

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121516\
 Data File : BF091630.D
 Acq On : 15 Dec 2016 16:05
 Operator : UM/SJ
 Sample : PB95365BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB95365BS

Manual Integrations
 APPROVED

UMANGI
 12/16/2016 6:23:32 PM

Quant Time: Dec 16 00:35:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	305965	20.00	ng	-0.03
21) Naphthalene-d8	8.08	136	1269849	20.00	ng	-0.02
38) Acenaphthene-d10	9.82	164	635851	20.00	ng	-0.03
63) Phenanthrene-d10	11.31	188	1052556	20.00	ng	-0.02
75) Chrysene-d12	13.94	240	659881	20.00	ng	-0.02
86) Perylene-d12	15.35	264	625117	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	2425555	133.56	ng	-0.01
7) Phenol-d6	6.43	99	2979566	131.60	ng	-0.02
23) Nitrobenzene-d5	7.36	82	2037223	89.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	724071	137.10	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	2989527	81.24	ng	-0.03
78) Terphenyl-d14	12.90	244	2806890	96.52	ng	-0.02

Target Compounds						Qvalue
2) 1,4-Dioxane	2.42	88	330610	34.49	ng	# 84
3) Pyridine	3.10	79	907212	35.52	ng	# 80
4) n-Nitrosodimethylamine	3.06	42	458405	41.78	ng	# 58
6) Aniline	6.45	93	680959	22.94	ng	95
8) 2-Chlorophenol	6.58	128	916300	44.70	ng	95
9) Benzaldehyde	6.33	77	147291	9.45	ng	81
10) Phenol	6.45	94	969695	36.63	ng	95
11) bis(2-Chloroethyl)ether	6.52	93	880244	44.26	ng	92
12) 1,3-Dichlorobenzene	6.73	146	925631	41.64	ng	99
13) 1,4-Dichlorobenzene	6.81	146	935658	42.67	ng	96
14) 1,2-Dichlorobenzene	6.96	146	855661	43.31	ng	98
15) Benzyl Alcohol	6.93	79	729509	40.81	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.07	45	1265538	41.07	ng	80
17) 2-Methylphenol	7.06	107	792107	46.70	ng	# 76
18) Hexachloroethane	7.30	117	353301	41.29	ng	87
19) n-Nitroso-di-n-propylamine	7.21	70	611737	43.21	ng	# 81
20) 3+4-Methylphenols	7.21	107	870937	47.74	ng	# 83
22) Acetophenone	7.20	105	1235251	40.60	ng	# 96
24) Nitrobenzene	7.37	77	895669	37.26	ng	92
25) Isophorone	7.62	82	1832794	45.32	ng	96
26) 2-Nitrophenol	7.69	139	471893	44.48	ng	87
27) 2,4-Dimethylphenol	7.73	122	804771	43.19	ng	98
28) bis(2-Chloroethoxy)methane	7.82	93	1074602	45.30	ng	100
29) 2,4-Dichlorophenol	7.94	162	783300	48.31	ng	94
30) 1,2,4-Trichlorobenzene	8.02	180	793948	43.09	ng	96
31) Naphthalene	8.10	128	2557849	43.29	ng	99
32) Benzoic acid	7.87	122	595497	44.89	ng	93
33) 4-Chloroaniline	8.14	127	266722	10.48	ng	96
34) Hexachlorobutadiene	8.21	225	409496	38.77	ng	97
35) Caprolactam	8.52	113	257793m	54.45	ng	
36) 4-Chloro-3-methylphenol	8.64	107	851744	46.84	ng	99
37) 2-Methylnaphthalene	8.78	142	1573566	41.15	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.96	216	710477	40.74	ng	98
40) Hexachlorocyclopentadiene	8.94	237	744241	95.72	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.07	196	534876	47.73	nq	96
43) 2,4,5-Trichlorophenol	9.12	196	496447	43.11	nq #	89
45) 1,1'-Biphenyl	9.25	154	1966597	42.70	nq	98
46) 2-Chloronaphthalene	9.28	162	1511295	42.38	nq	99
47) 2-Nitroaniline	9.37	65	507907	42.35	nq #	86
48) Acenaphthylene	9.69	152	2231801	41.05	nq	99
49) Dimethylphthalate	9.56	163	1856218	46.10	nq	99
50) 2,6-Dinitrotoluene	9.62	165	430787	48.75	nq #	84
51) Acenaphthene	9.86	154	1658857	43.93	nq	97
52) 3-Nitroaniline	9.78	138	183161	17.64	nq	96
53) 2,4-Dinitrophenol	9.89	184	468823	86.75	nq	96
54) Dibenzofuran	10.03	168	1946332	41.66	nq	98
55) 4-Nitrophenol	9.96	139	703312	91.07	nq #	86
56) 2,4-Dinitrotoluene	10.02	165	479165	43.26	nq #	57
57) Fluorene	10.37	166	1396347	41.44	nq	97
58) 2,3,4,6-Tetrachlorophenol	10.16	232	442371	49.07	nq	96
59) Diethylphthalate	10.26	149	1728540	44.59	nq	96
60) 4-Chlorophenyl-phenylether	10.37	204	721972	42.98	nq	95
61) 4-Nitroaniline	10.40	138	426096	41.30	nq	93
62) Azobenzene	10.53	77	2074235	47.21	nq	93
64) 4,6-Dinitro-2-methylphenol	10.43	198	327574	51.05	nq #	51
65) n-Nitrosodiphenylamine	10.49	169	1358527	43.29	nq	100
66) 4-Bromophenyl-phenylether	10.85	248	458083	42.45	nq	92
67) Hexachlorobenzene	10.92	284	476425	42.46	nq #	82
68) Atrazine	11.02	200	482153	47.79	nq	95
69) Pentachlorophenol	11.12	266	518766	82.15	nq	95
70) Phenanthrene	11.33	178	2284350	43.83	nq	98
71) Anthracene	11.39	178	2479010	44.09	nq	99
72) Carbazole	11.54	167	1985015	40.28	nq	100
73) Di-n-butylphthalate	11.88	149	2784692	48.50	nq	99
74) Fluoranthene	12.52	202	2546296	46.65	nq	98
76) Benzidine	12.64	184	382068	18.73	nq	98
77) Pyrene	12.74	202	2500015	47.75	nq	98
79) Butylbenzylphthalate	13.37	149	1054456	51.67	nq	90
80) Benzo(a)anthracene	13.93	228	1820858	47.51	nq	100
81) 3,3'-Dichlorobenzidine	13.89	252	460373	33.45	nq #	97
82) Chrysene	13.97	228	1877115	46.82	nq	99
83) Bis(2-ethylhexyl)phthalate	13.93	149	1261946	48.20	nq	98
84) Di-n-octyl phthalate	14.55	149	2323876	52.29	nq #	92
85) Indeno(1,2,3-cd)pyrene	16.71	276	1666751	46.20	nq	98
87) Benzo(b)fluoranthene	14.95	252	2081642m	55.86	nq	
88) Benzo(k)fluoranthene	14.98	252	1171746m	35.76	nq	
89) Benzo(a)pyrene	15.29	252	1534619	45.71	nq	99
90) Dibenzo(a,h)anthracene	16.73	278	1352120	44.96	nq #	95
91) Benzo(g,h,i)perylene	17.12	276	1432636	46.81	nq #	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

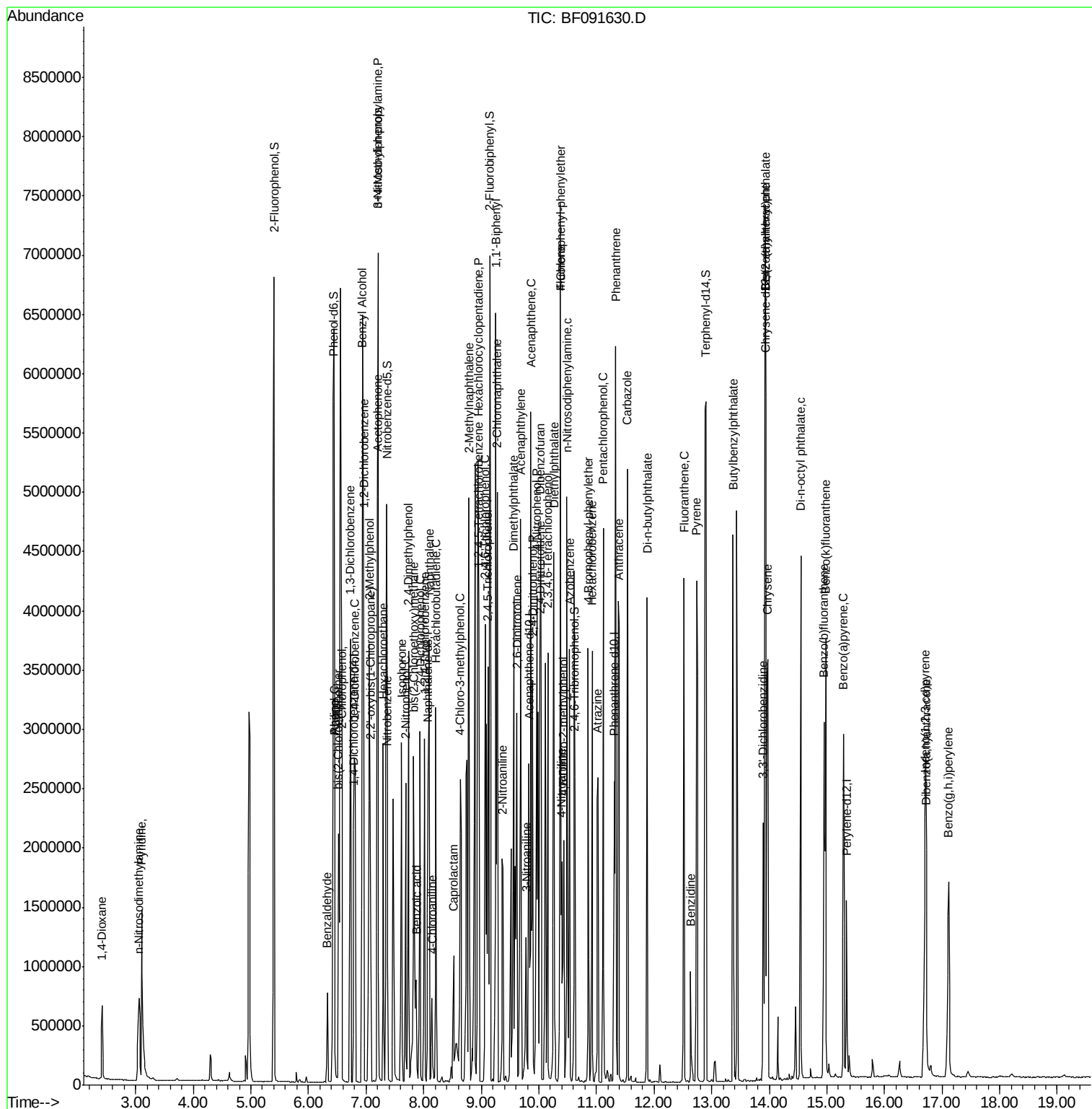
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Acq On    : 15 Dec 2016   16:05  
Operator  : UM/SJ  
Sample    : PB95365BS  
Misc      :  
ALS Vial  : 4      Sample Multiplier: 1
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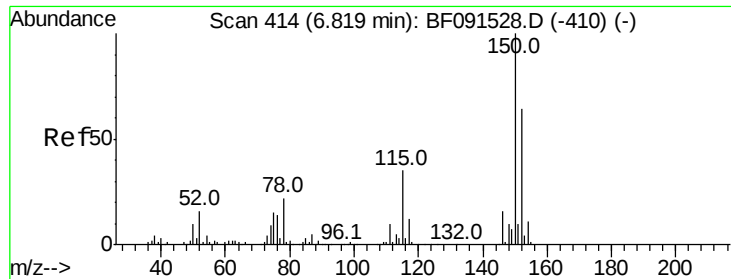
Instrument :
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ClientSampleId :
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#1

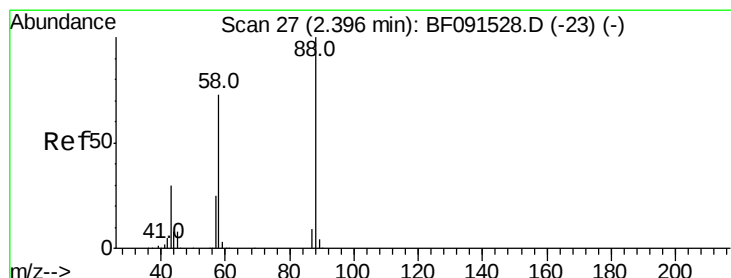
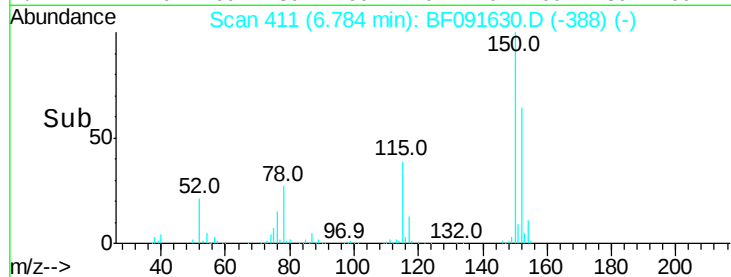
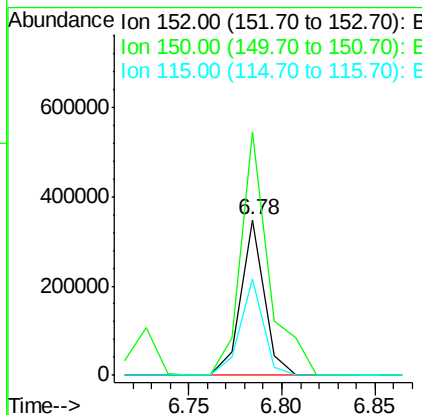
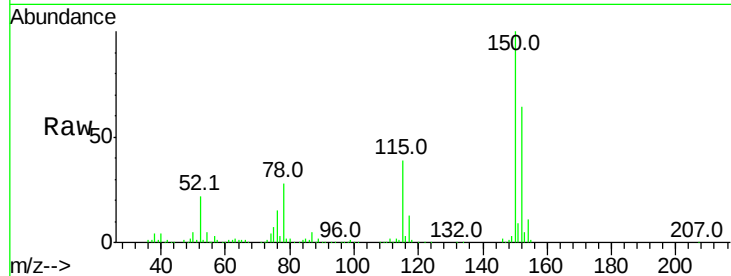
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 411
Delta R.T. -0.03 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Instrument :
BNA_F
ClientSampleId :
PB95365BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	122.5	183.7
115	61.6	51.8	77.8

Manual Integrations
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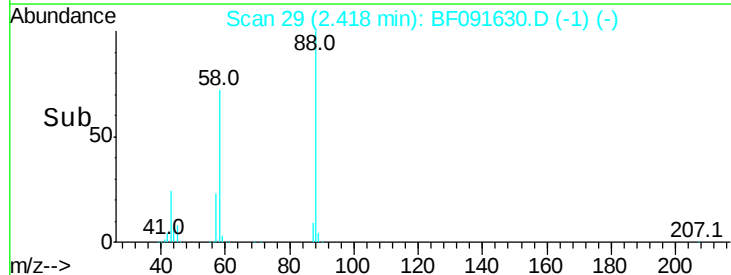
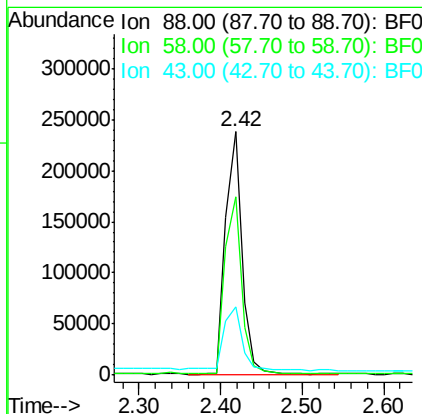
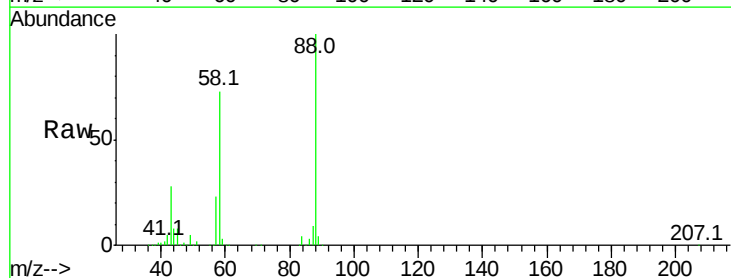
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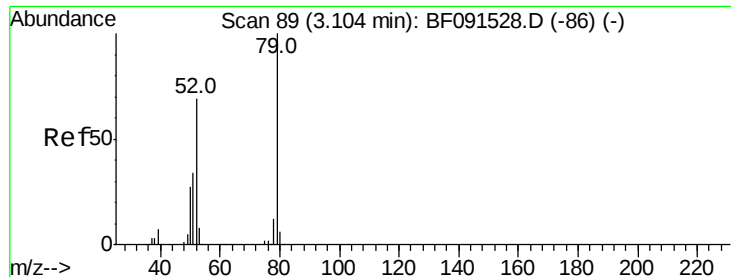


#2

1,4-Dioxane
Concen: 34.49 ng
RT: 2.42 min Scan# 29
Delta R.T. 0.02 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Lower	Upper
88	100		
58	74.2	70.3	105.5
43	28.5	31.3	46.9#





#3

Pvridine

Concen: 35.52 ng

RT: 3.10 min Scan# 89

Delta R.T. -0.00 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Instrument :

BNA_F

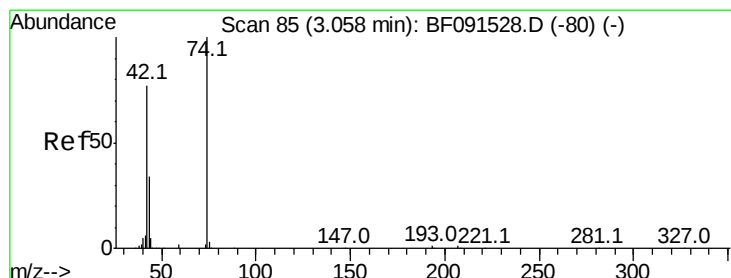
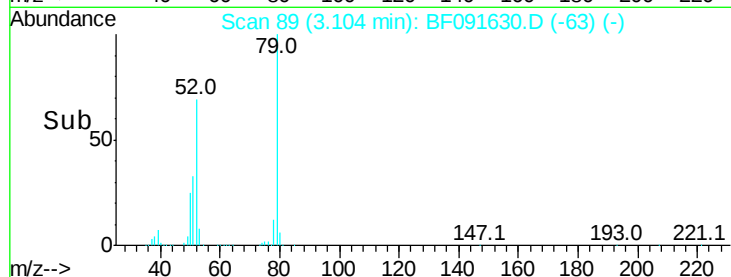
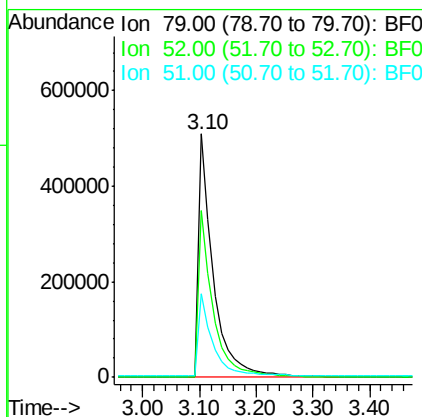
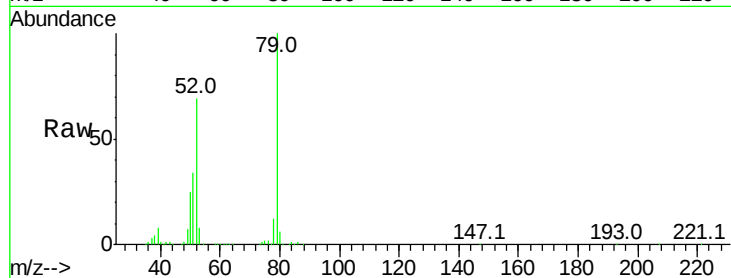
ClientSampleId :

PB95365BS

Tot Ion:	79	Resp:	907212
Ion Ratio	Lower	Upper	
79	100		
52	68.8	71.0	106.4#
51	34.1	37.0	55.4#

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 41.78 ng

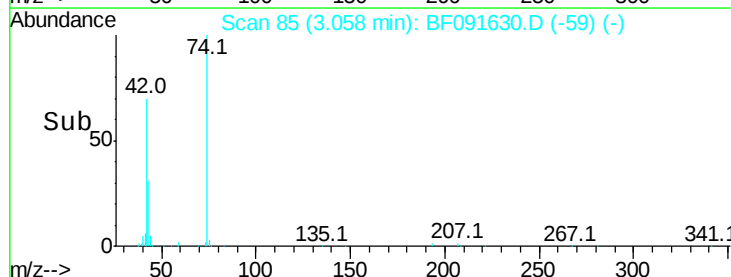
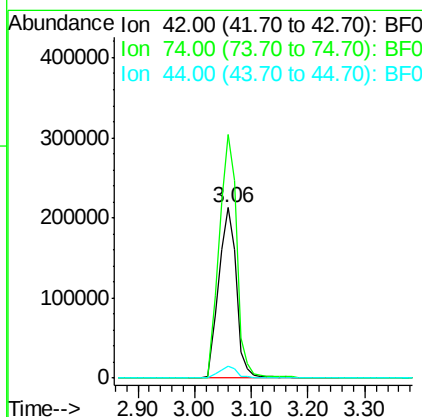
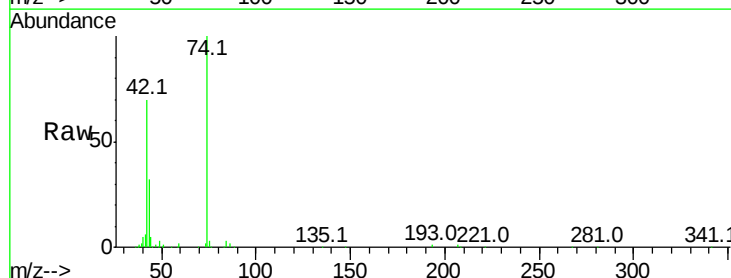
RT: 3.06 min Scan# 85

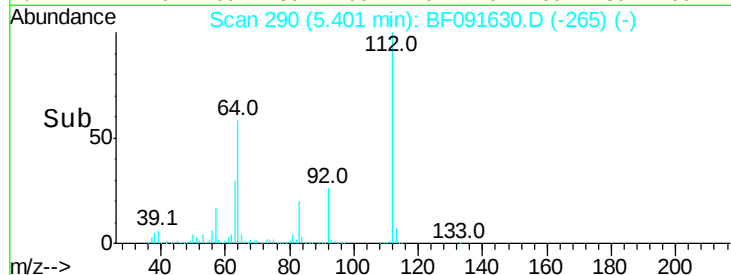
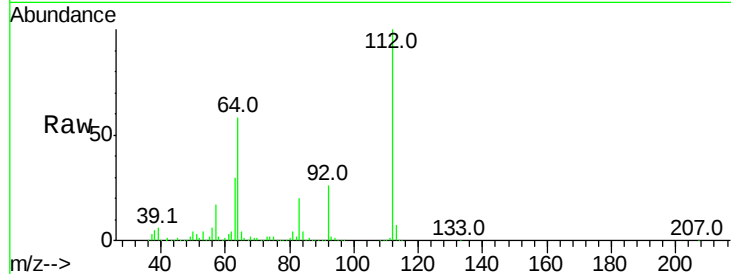
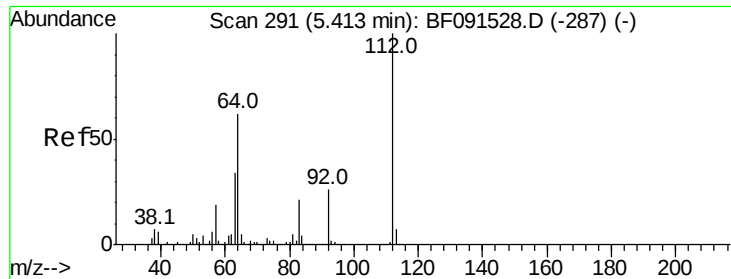
Delta R.T. -0.00 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Tgt Ion:	42	Resp:	458405
Ion Ratio	Lower	Upper	
42	100		
74	143.2	78.9	118.3#
44	7.1	5.8	8.6





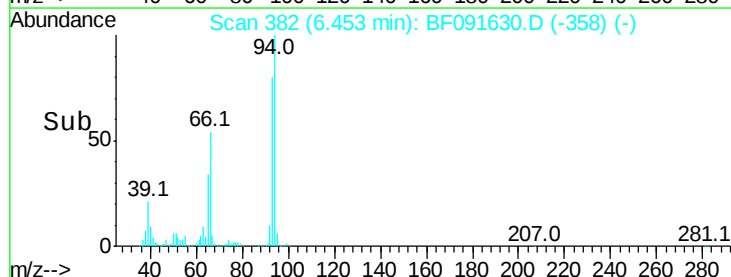
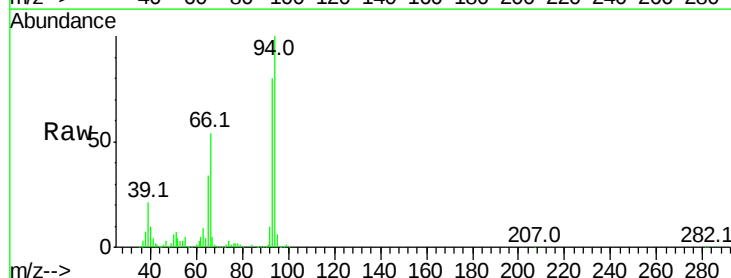
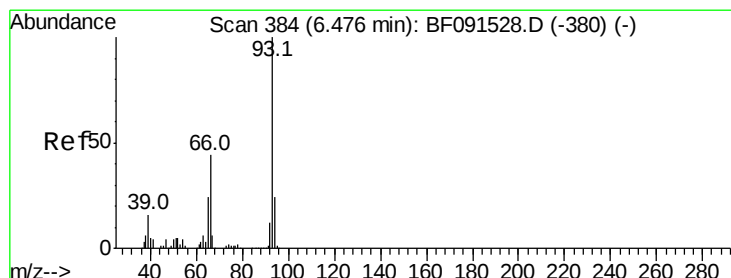
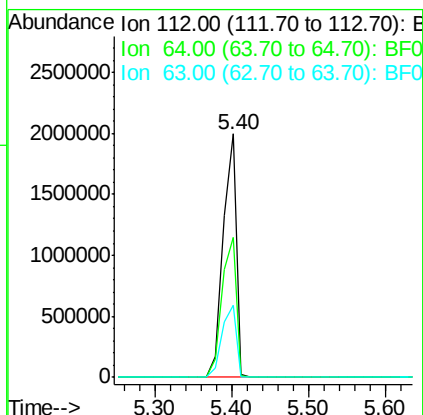
#5
2-Fluorophenol
Concen: 133.56 ng
RT: 5.40 min Scan# 290
Delta R.T. -0.01 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tot Ion	Ratio	Resp	Lower	Upper
112	100	242555		
64	57.7	61.5	92.3#	
63	29.7	33.3	49.9#	

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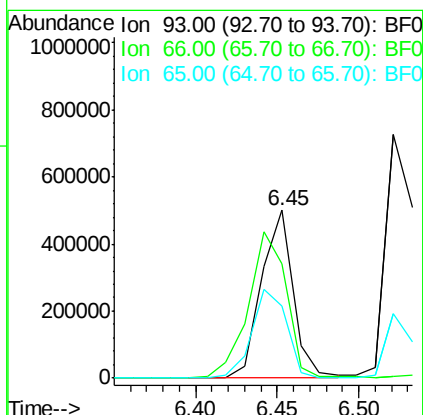
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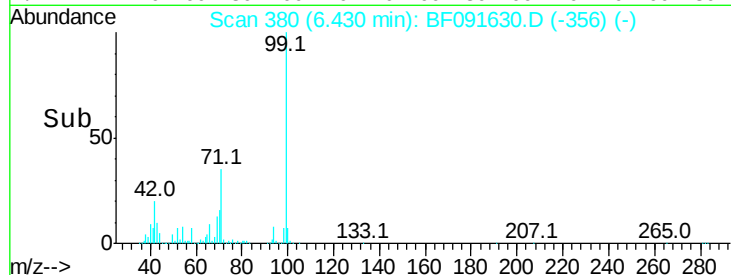
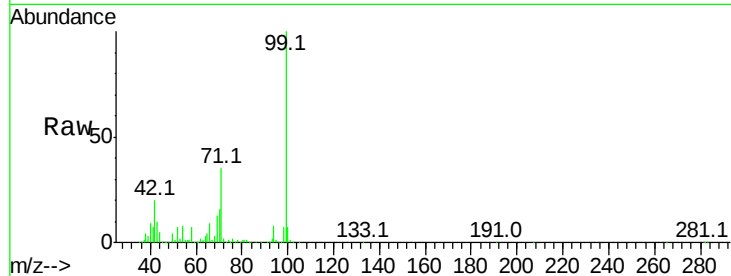
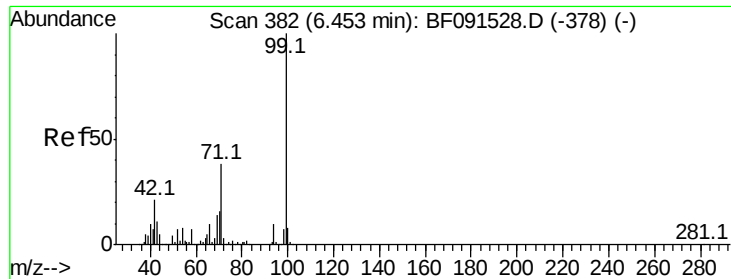
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#6
Aniline
Concen: 22.94 ng
RT: 6.45 min Scan# 382
Delta R.T. -0.02 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	680959		
66	67.8	55.8	83.6	
65	42.9	29.9	44.9	





#7

Phenol-d6

Concen: 131.60 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Tot Ion:	99	Resp:	2979566
Ion	Ratio	Lower	Upper
99	100		
42	19.8	20.6	31.0#
71	34.6	29.9	44.9

Instrument :

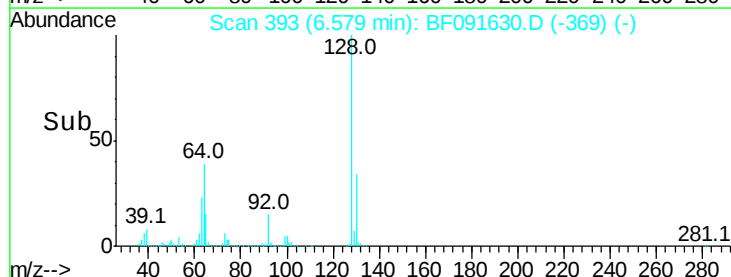
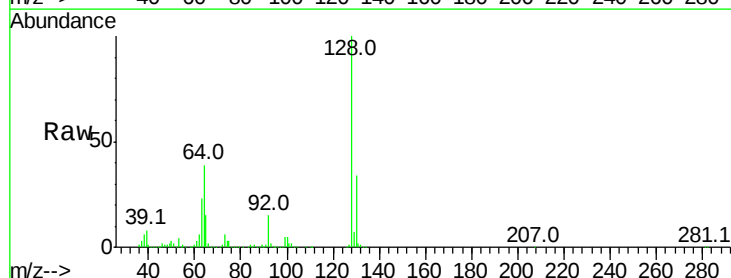
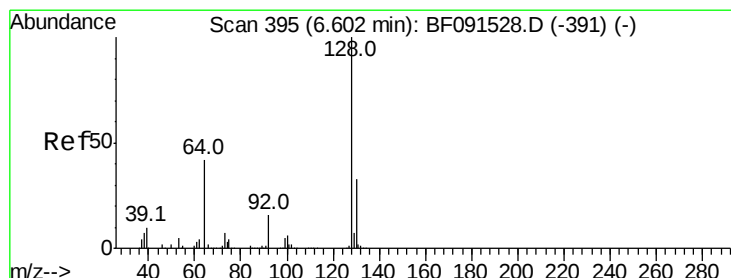
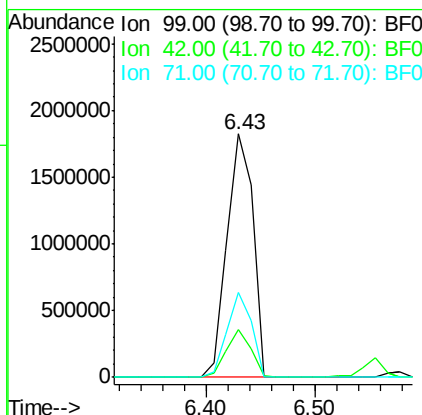
BNA_F

ClientSampleId :

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#8

2-Chlorophenol

Concen: 44.70 ng

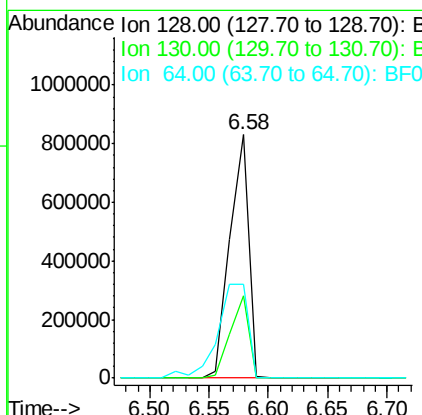
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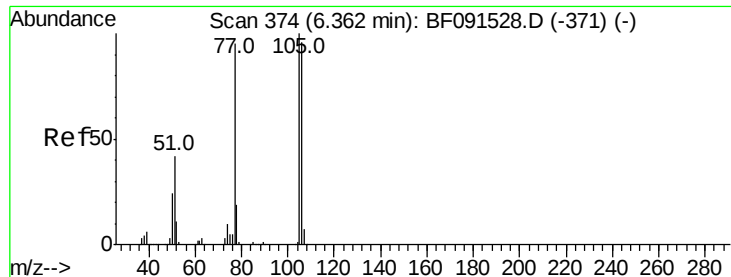
Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Tgt Ion:	128	Resp:	916300
Ion	Ratio	Lower	Upper
128	100		
130	33.7	13.1	53.1
64	38.7	24.1	64.1





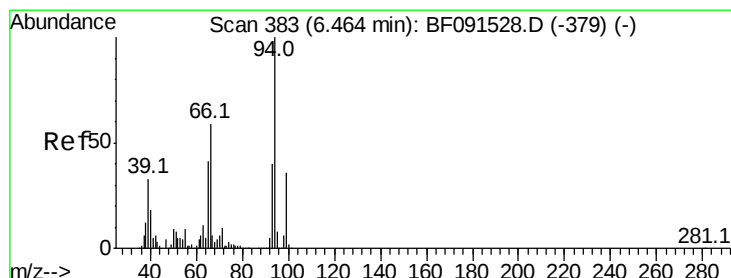
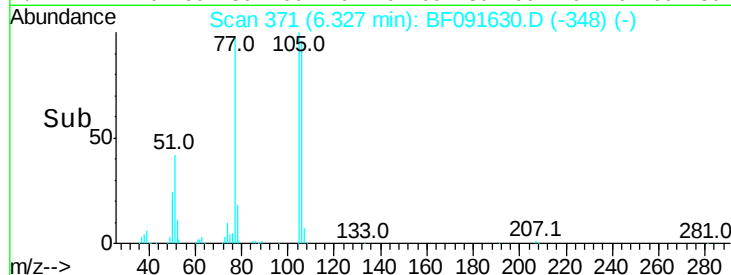
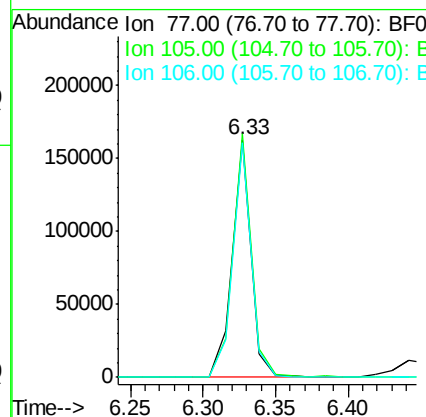
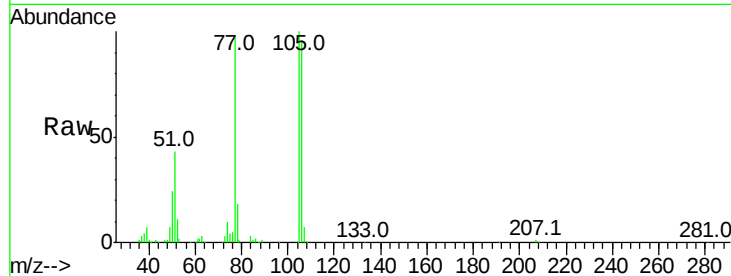
#9
Benzaldehyde
Concen: 9.45 ng
RT: 6.33 min Scan# 371
Delta R.T. -0.03 min
Lab File: BF091630.D
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ClientSampleId :
PB95365BS

Tot Ion	Ratio	Lower	Upper
77	100		
105	102.6	66.4	106.4
106	98.7	60.9	100.9

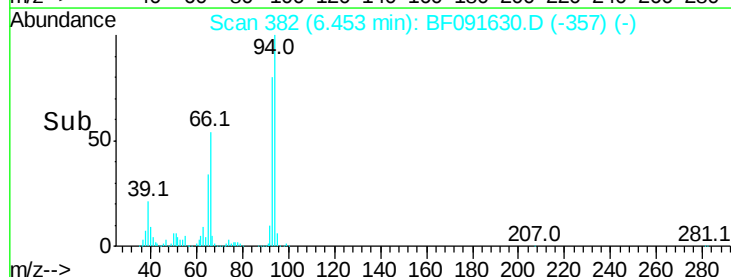
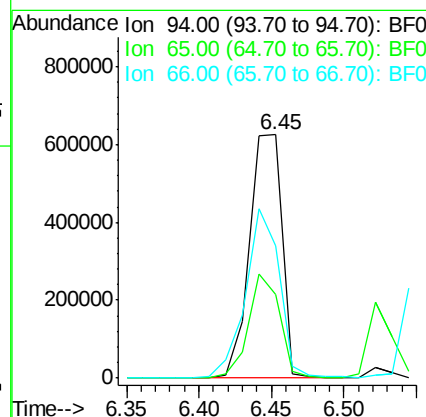
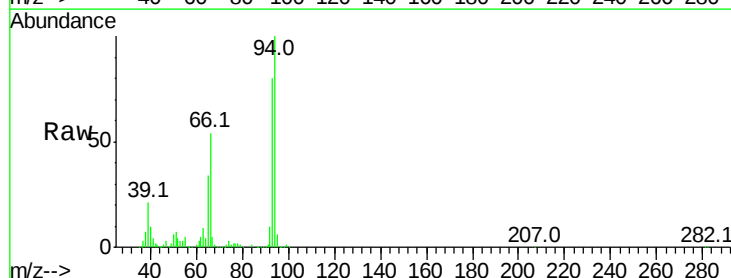
Manual Integrations
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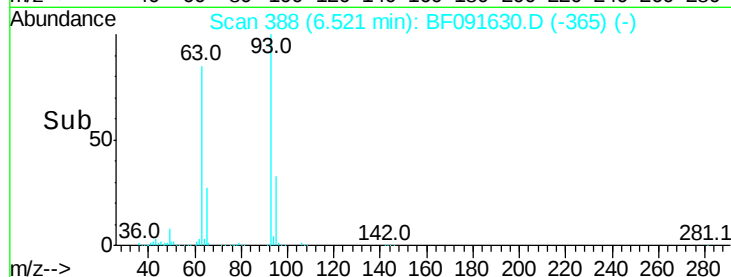
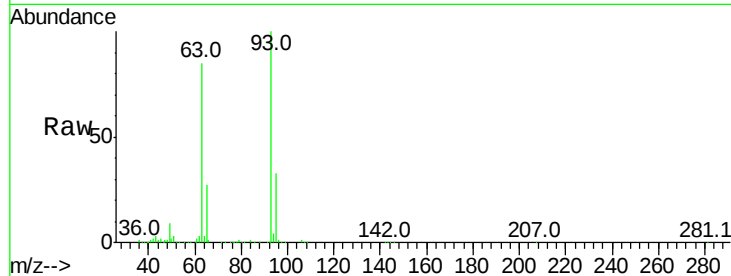
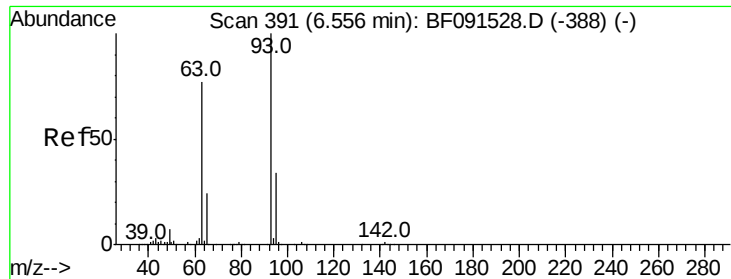
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#10
Phenol
Concen: 36.63 ng
RT: 6.45 min Scan# 382
Delta R.T. -0.01 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Lower	Upper
94	100		
65	34.4	16.9	56.9
66	54.3	30.6	70.6





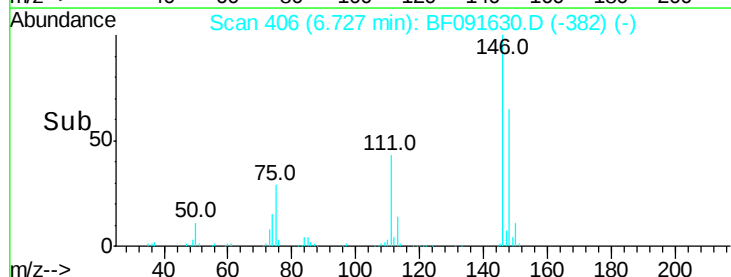
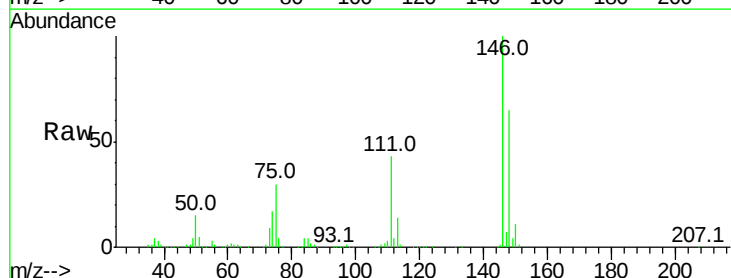
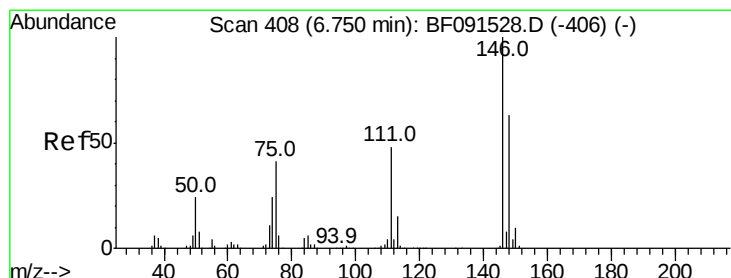
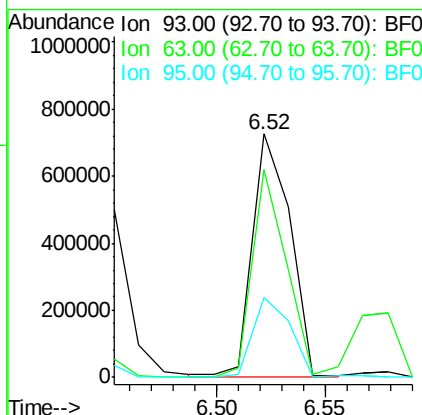
#11
bis(2-Chloroethyl)ether
Concen: 44.26 ng
RT: 6.52 min Scan# 388
Delta R.T. -0.03 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tot Ion	Ratio	Lower	Upper
93	100		
63	85.2	74.8	114.8
95	32.6	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
PB95365BS

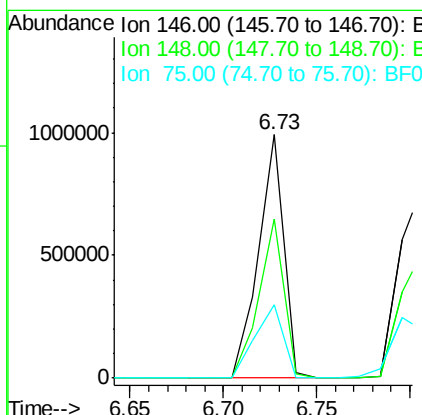
Manual Integrations
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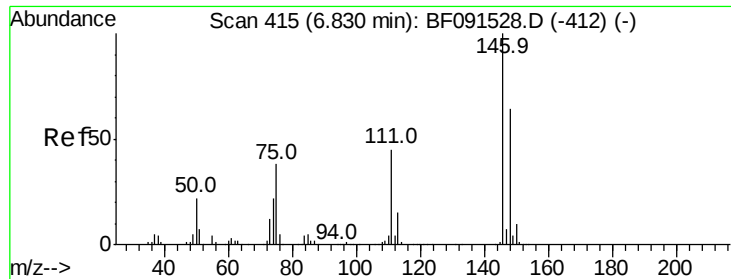
UMANGI
12/16/2016 6:23:32 PM



#12
1,3-Dichlorobenzene
Concen: 41.64 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.02 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.4	77.0
75	30.2	23.6	35.4





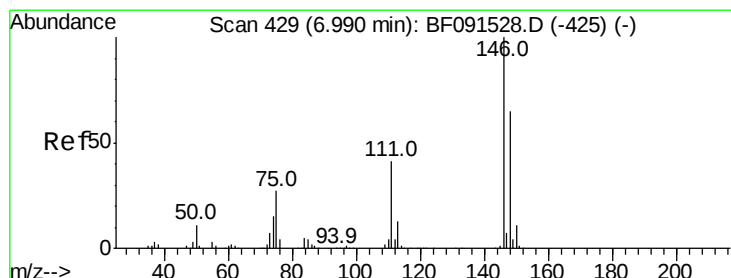
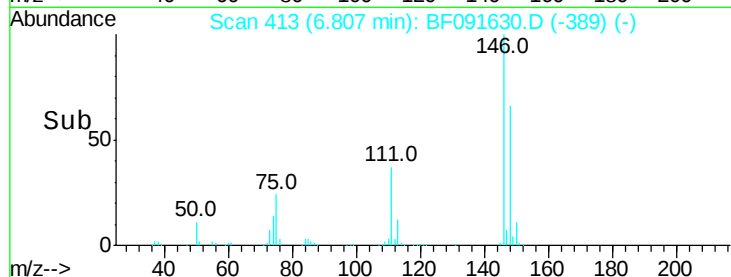
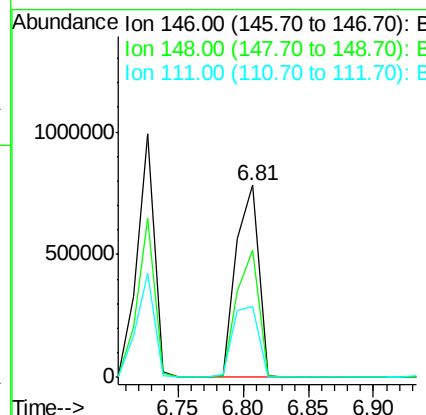
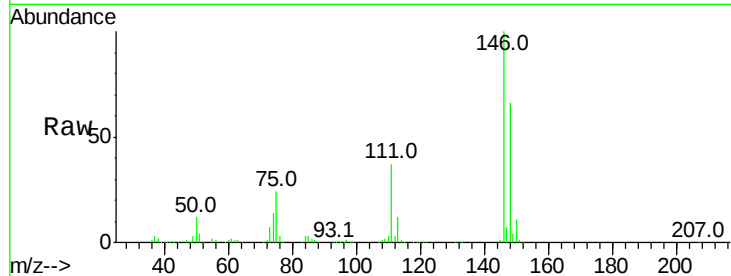
#13
1,4-Dichlorobenzene
Concen: 42.67 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.02 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Instrument :
BNA_F
ClientSampleId :
PB95365BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.3	51.4	77.0
111	37.0	32.2	48.2

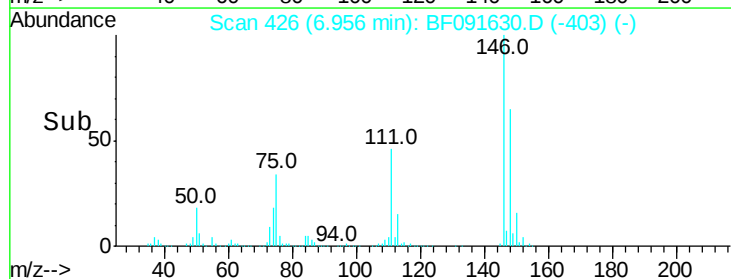
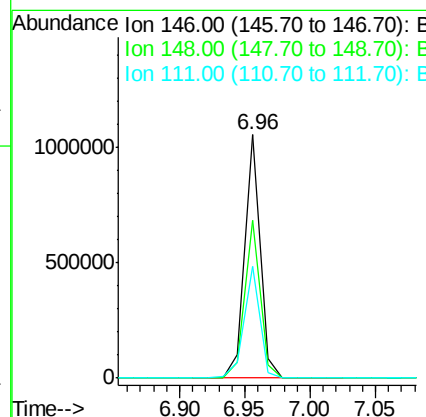
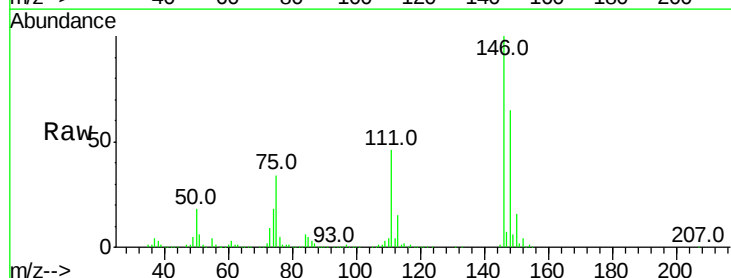
Manual Integrations
APPROVED

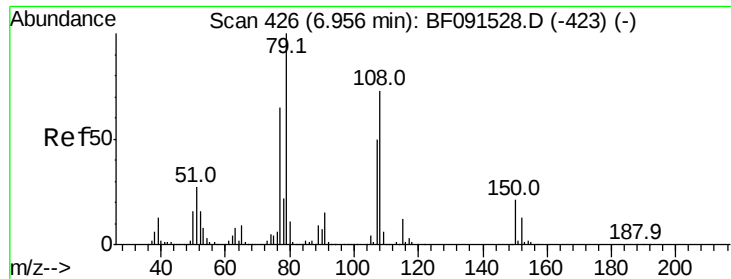
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#14
1,2-Dichlorobenzene
Concen: 43.31 ng
RT: 6.96 min Scan# 426
Delta R.T. -0.03 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.0	76.6
111	45.9	38.9	58.3





#15

Benzyl Alcohol

Concen: 40.81 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Instrument :

BNA_F

ClientSampleId :

PB95365BS

Tot Ion: 79 Resp: 729509

Ion Ratio Lower Upper

79 100

108 75.3 62.7 94.1

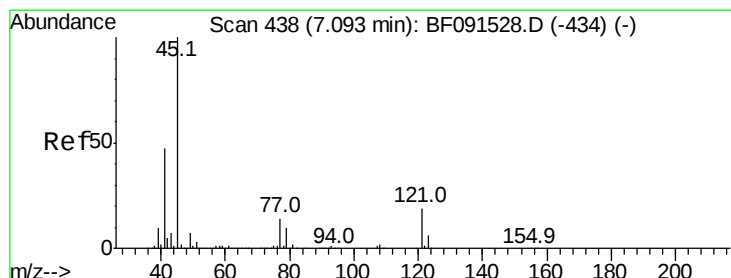
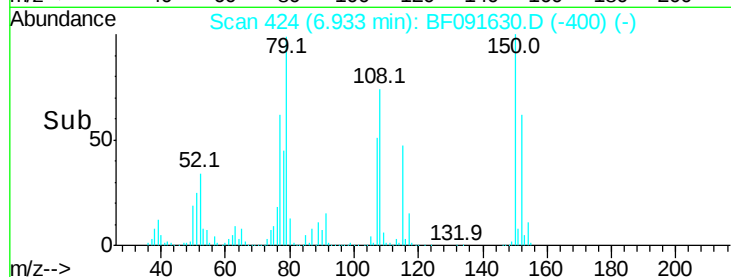
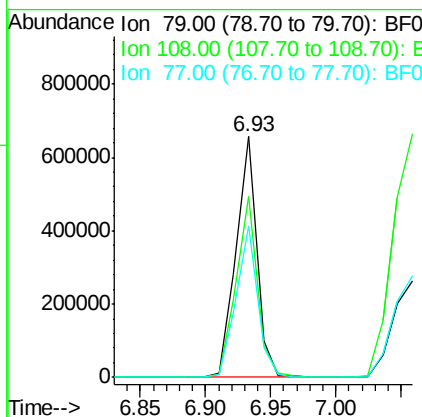
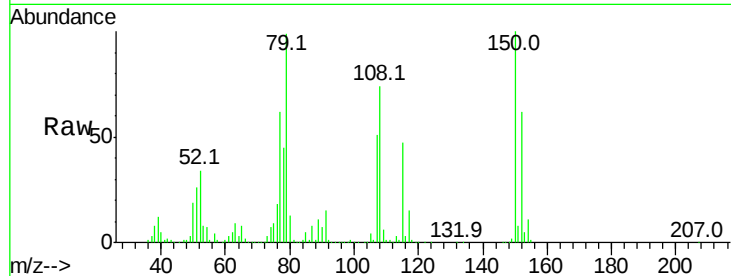
77 63.0 51.7 77.5

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12/16/2016 6:23:32 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.07 ng

RT: 7.07 min Scan# 436

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

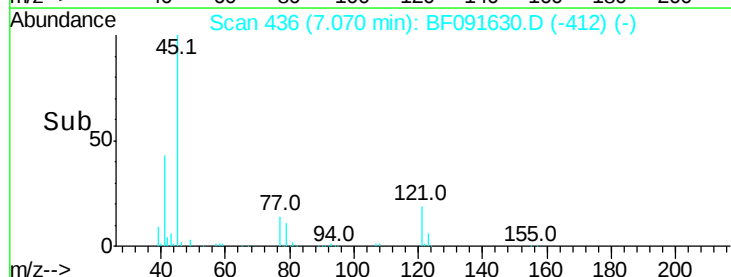
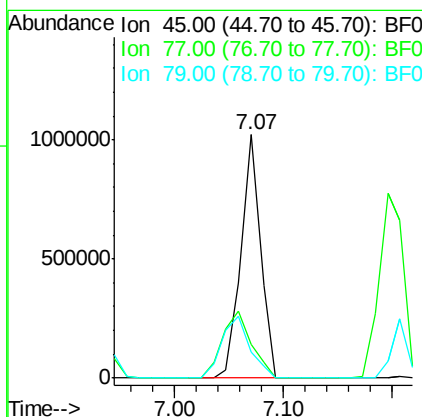
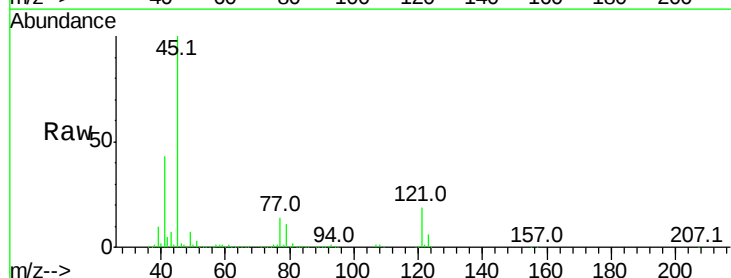
Tgt Ion: 45 Resp: 1265538

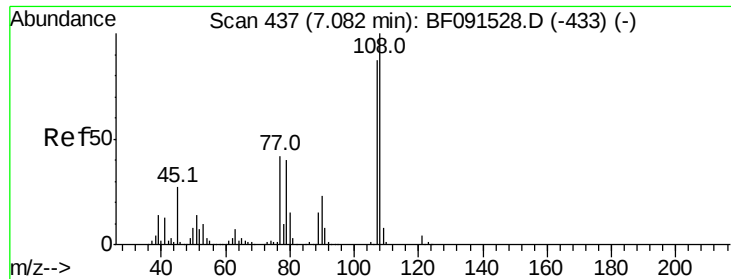
Ion Ratio Lower Upper

45 100

77 14.0 3.8 43.8

79 10.8 0.2 40.2





#17

2-Methylphenol

Concen: 46.70 ng

RT: 7.06 min Scan# 435

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Instrument :

BNA_F

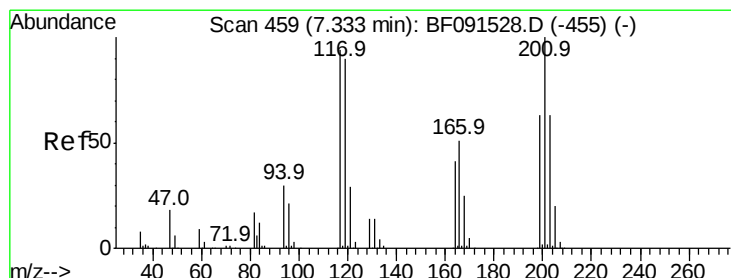
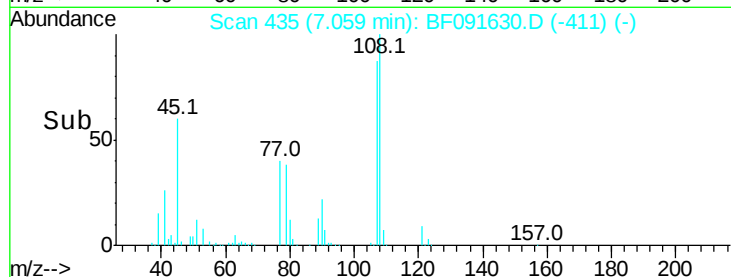
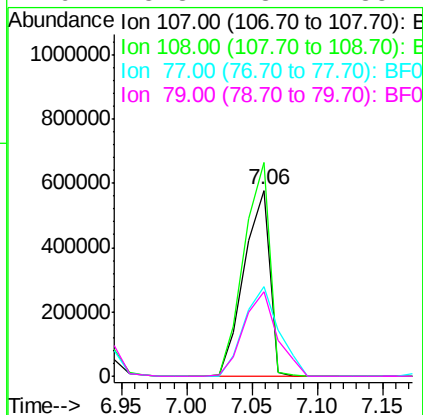
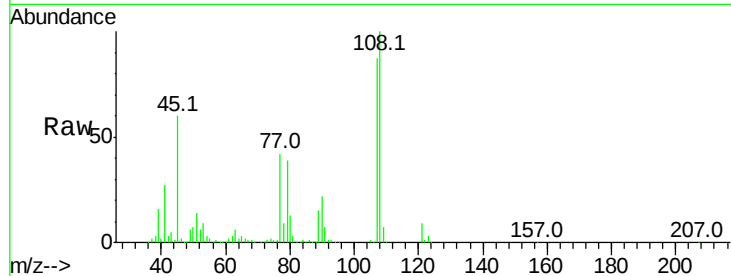
ClientSampleId :

PB95365BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100		792107		
108	114.7	67.7	101.5#		
77	48.1	40.7	61.1		
79	45.3	23.4	35.2#		

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#18

Hexachloroethane

Concen: 41.29 ng

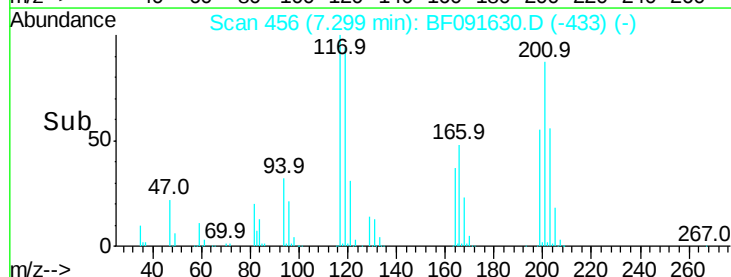
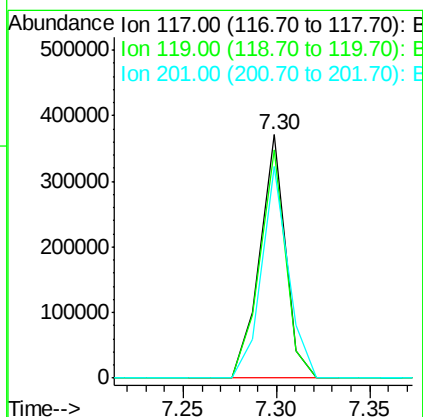
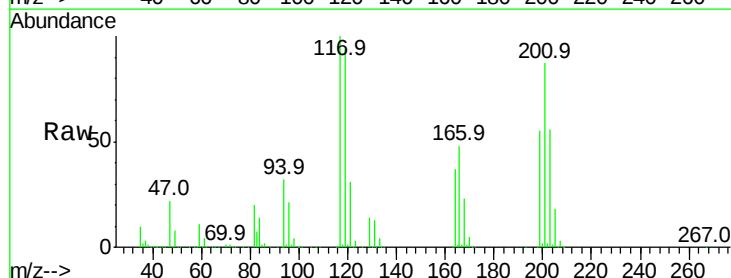
RT: 7.30 min Scan# 456

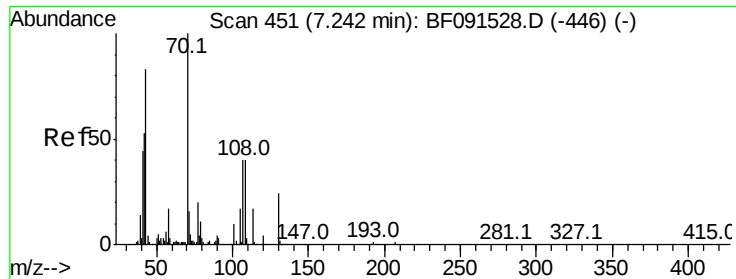
Delta R.T. -0.03 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		353301		
119	93.8	78.6	118.0		
201	86.9	86.7	130.1		





#19

n-Nitroso-di-n-propylamine

Concen: 43.21 ng

RT: 7.21 min Scan# 448

Delta R.T. -0.03 min

Lab File: BF091630.D

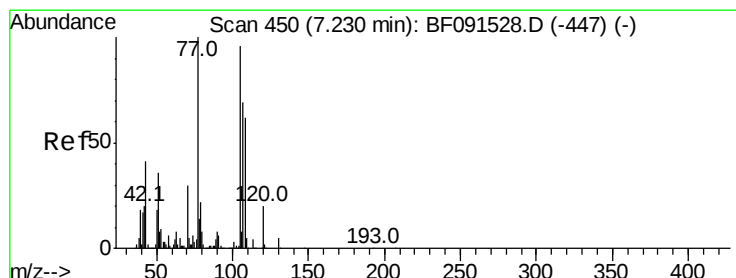
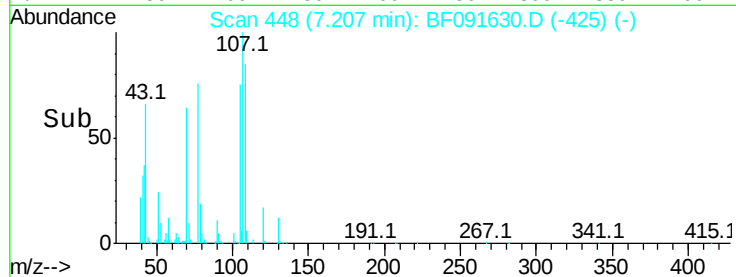
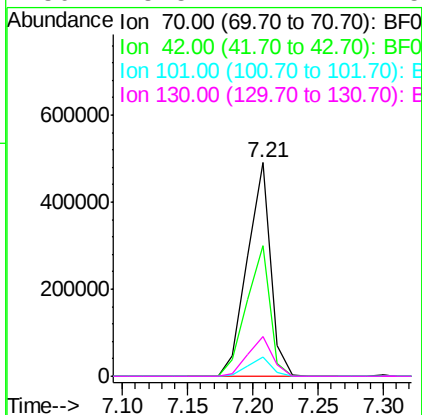
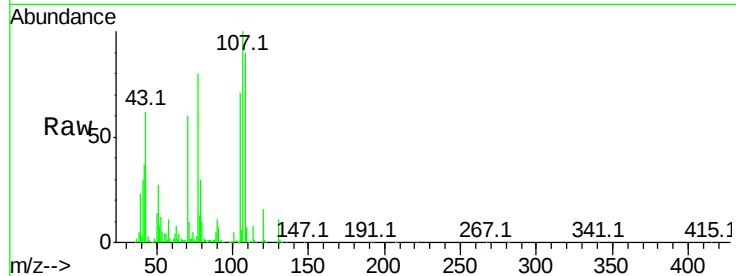
Acq: 15 Dec 2016 16:05

Instrument :
BNA_F
ClientSampleId :
PB95365BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	61.2	64.8	97.2#
101	9.0	6.2	9.4
130	18.5	11.7	17.5#

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#20

3+4-Methylphenols

Concen: 47.74 ng

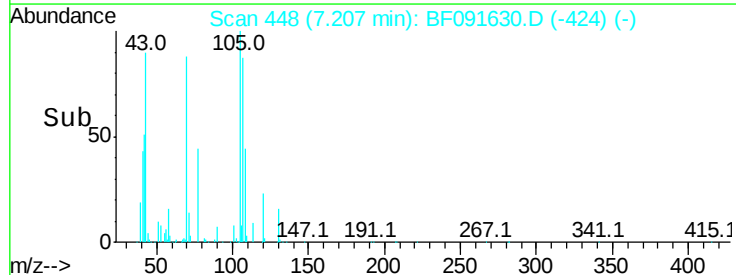
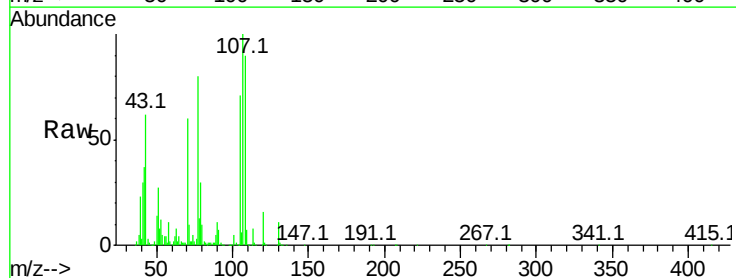
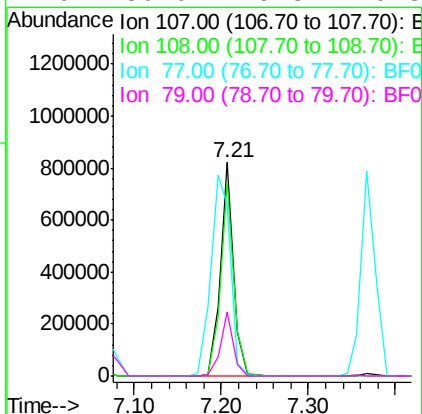
RT: 7.21 min Scan# 448

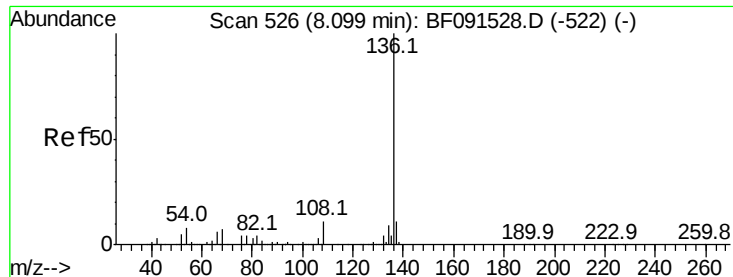
Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.3	64.6	104.6
77	80.4	30.9	70.9#
79	30.0	9.3	49.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Instrument :

BNA_F

ClientSampleId :

PB95365BS

Tot Ion:136 Resp: 1269849

Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

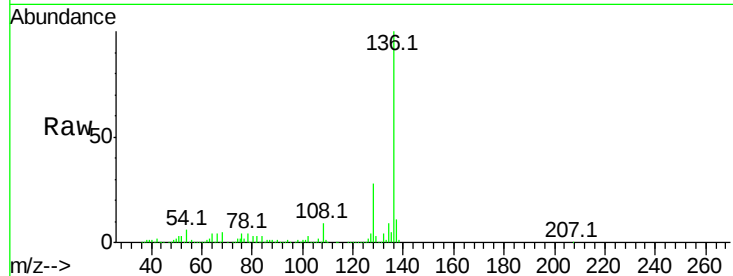
54 6.2 9.1 13.7#

68 5.0 5.9 8.9#

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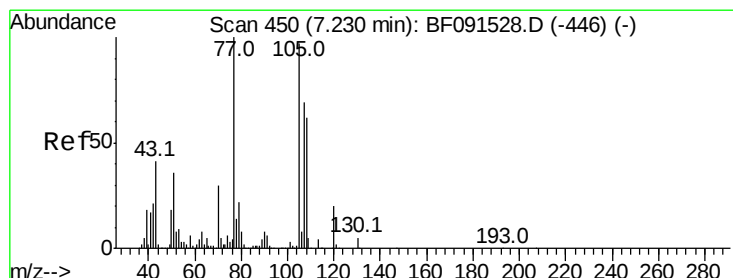
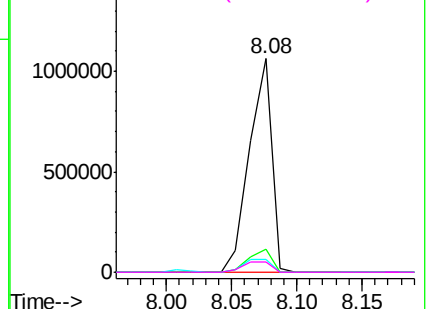
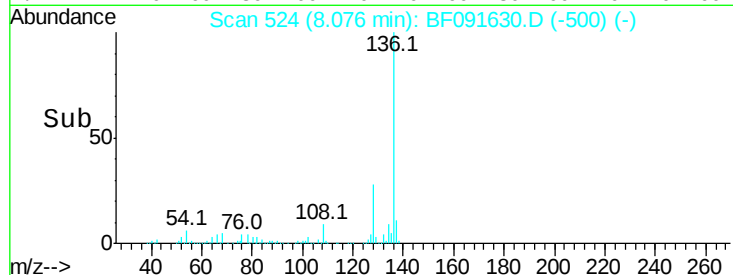


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 40.60 ng

RT: 7.20 min Scan# 447

Delta R.T. -0.03 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Tgt Ion:105 Resp: 1235251

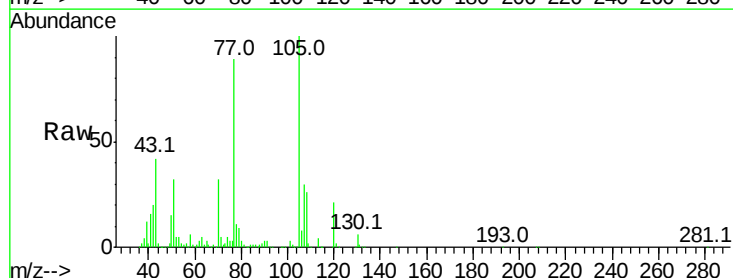
Ion Ratio Lower Upper

105 100

71 5.1 7.9 11.9#

51 32.4 24.5 36.7

120 21.2 16.6 24.8

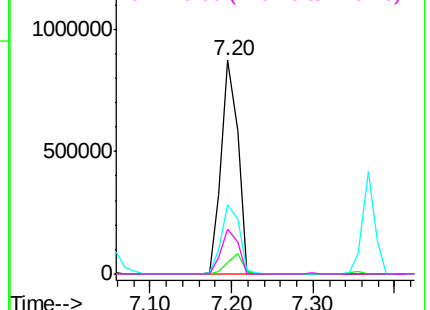
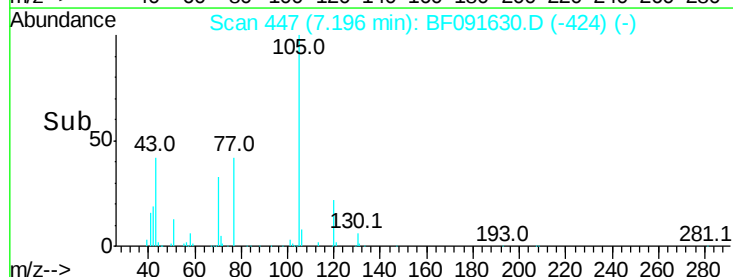


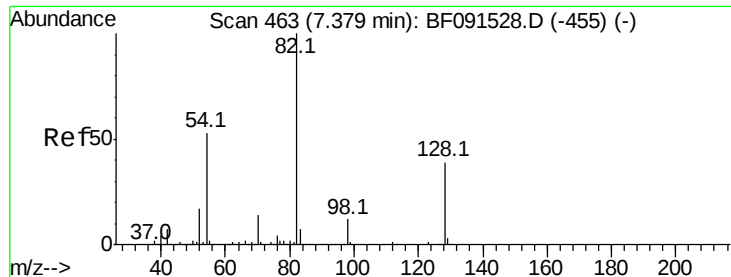
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





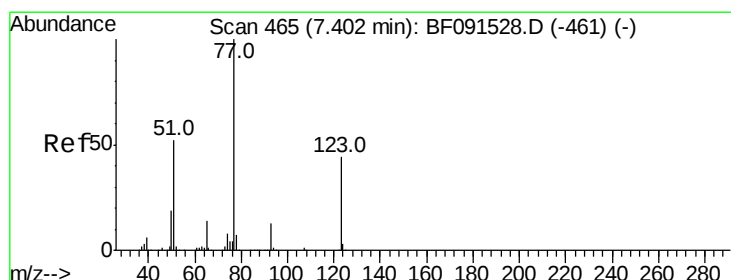
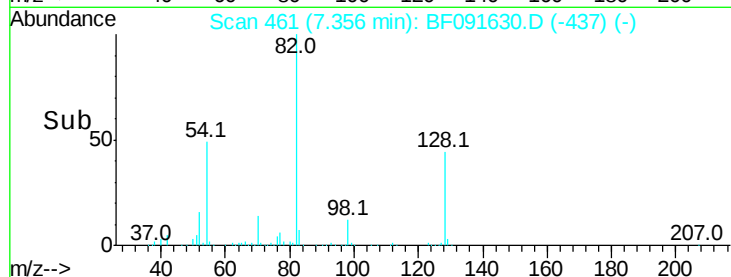
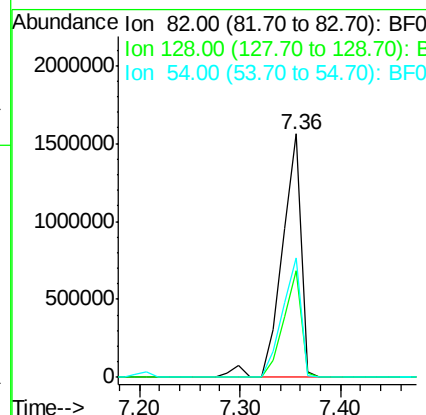
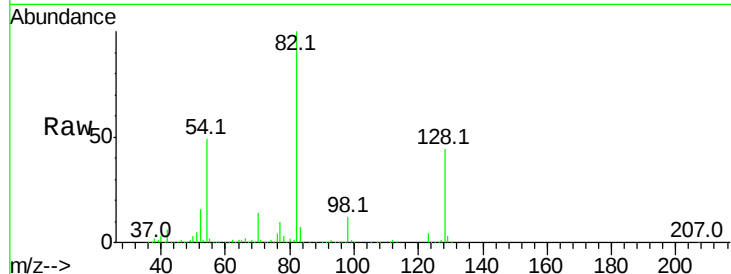
#23
Nitrobenzene-d5
Concen: 89.54 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.02 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Instrument :
BNA_F
ClientSampleId :
PB95365BS

Tot Ion: 82 Resp: 2037223
Ion Ratio Lower Upper
82 100
128 44.0 31.8 47.6
54 49.1 49.1 73.7#

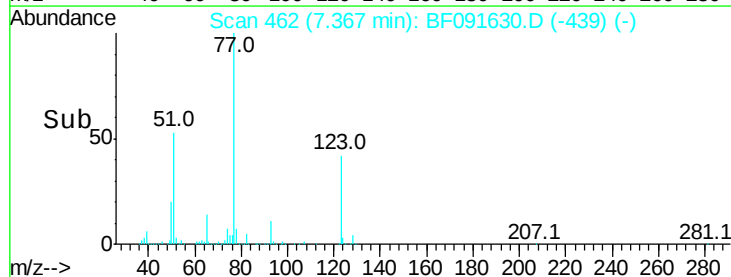
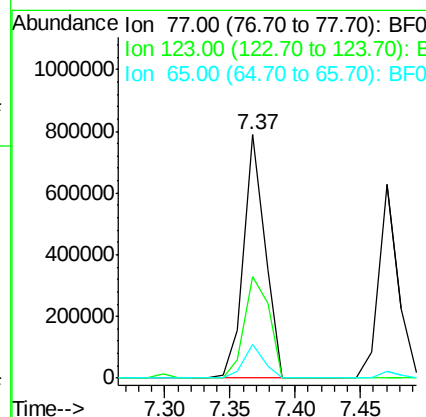
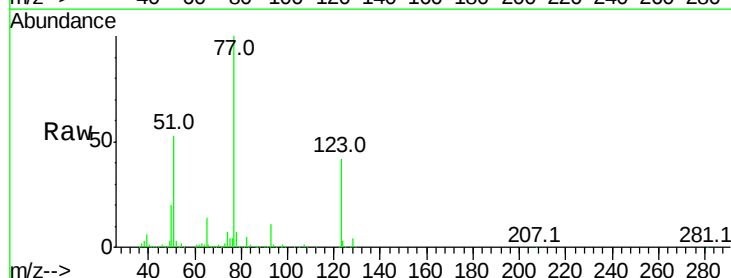
Manual Integrations
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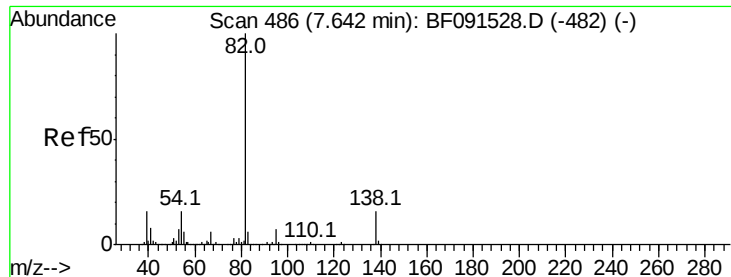
UMANGI
12/16/2016 6:23:32 PM



#24
Nitrobenzene
Concen: 37.26 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.03 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tgt Ion: 77 Resp: 895669
Ion Ratio Lower Upper
77 100
123 41.7 28.5 42.7
65 14.0 12.5 18.7





#25

Isophorone

Concen: 45.32 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Instrument :

BNA_F

ClientSampleId :

PB95365BS

Tot Ion: 82 Resp: 1832794

Ion Ratio Lower Upper

82 100

95 7.0 5.7 8.5

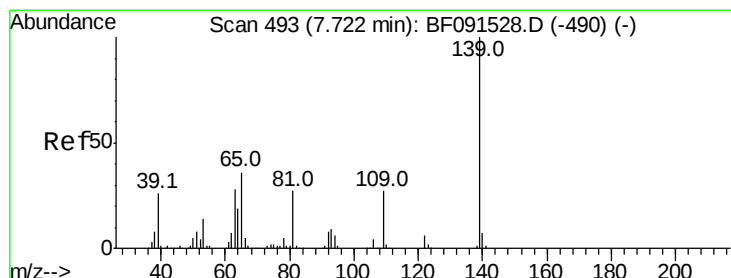
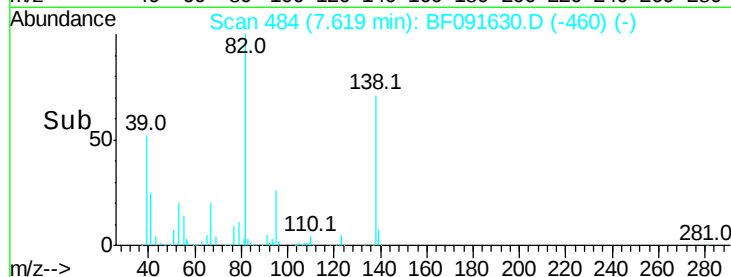
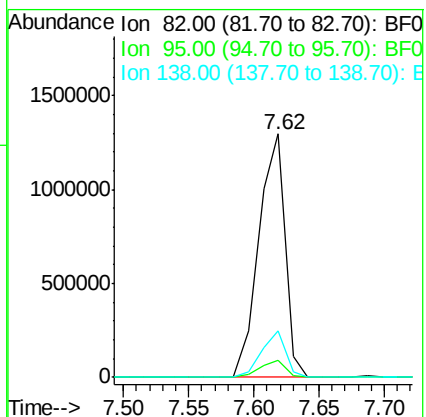
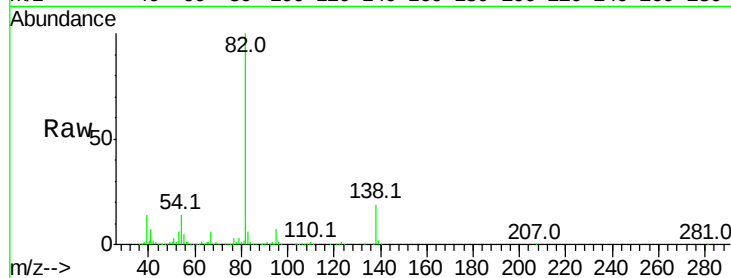
138 19.0 13.4 20.0

Manual Integrations

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12/16/2016 6:23:32 PM



#26

2-Nitrophenol

Concen: 44.48 ng

RT: 7.69 min Scan# 490

Delta R.T. -0.03 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

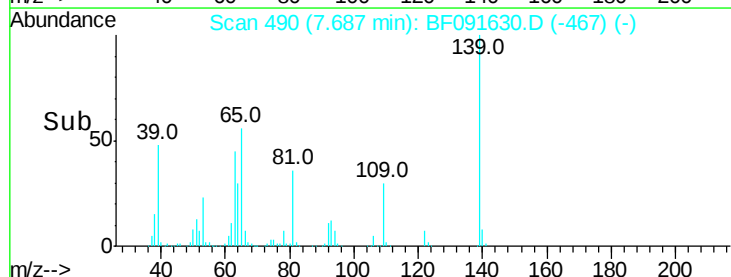
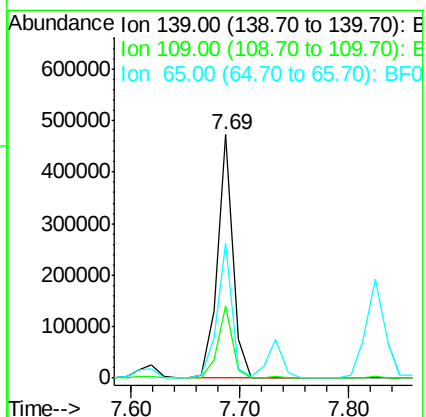
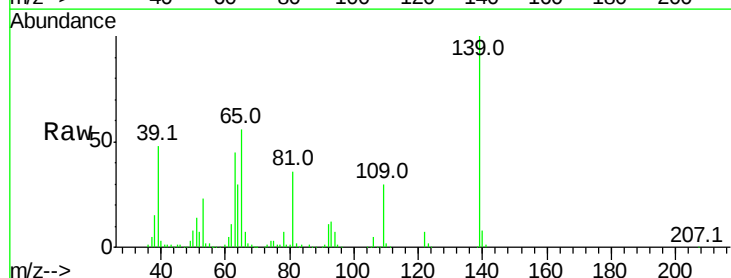
Tgt Ion:139 Resp: 471893

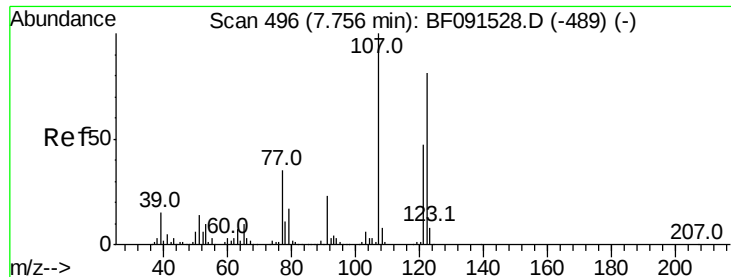
Ion Ratio Lower Upper

139 100

109 29.5 25.3 37.9

65 55.6 55.4 83.2





#27

2,4-Dimethylphenol

Concen: 43.19 ng

RT: 7.73 min Scan# 494

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Instrument :

BNA_F

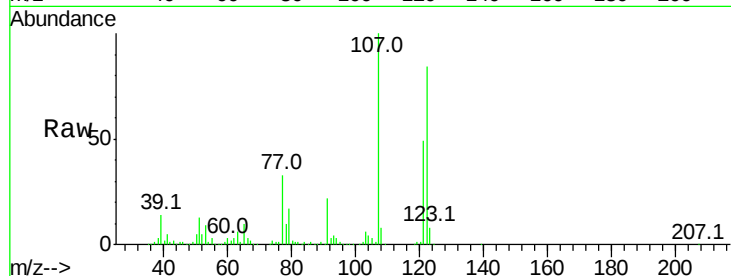
ClientSampled :

PB95365BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	804771		
107	118.7	96.8	145.2	
121	58.4	47.7	71.5	

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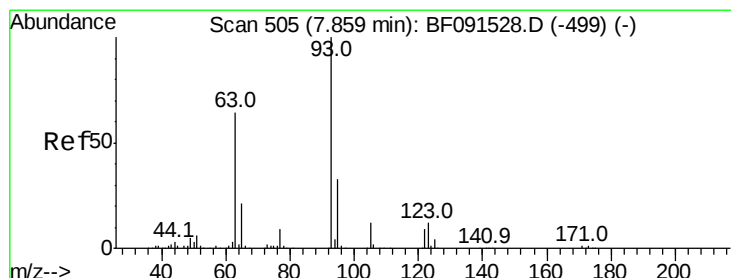
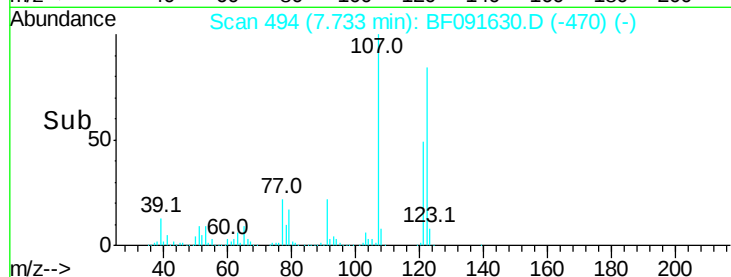
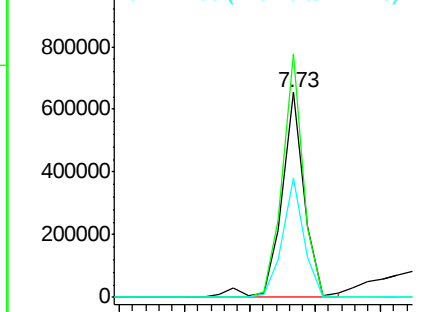


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 45.30 ng

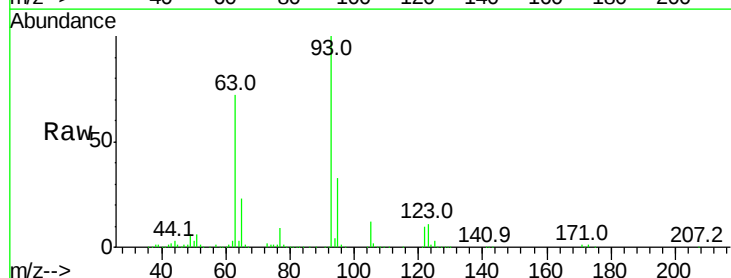
RT: 7.82 min Scan# 502

Delta R.T. -0.03 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	1074602		
95	32.7	26.0	39.0	
123	10.8	8.6	12.8	

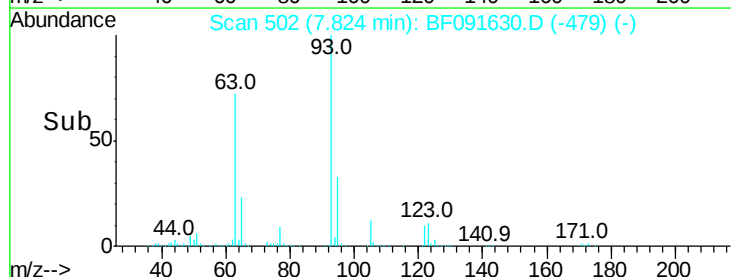
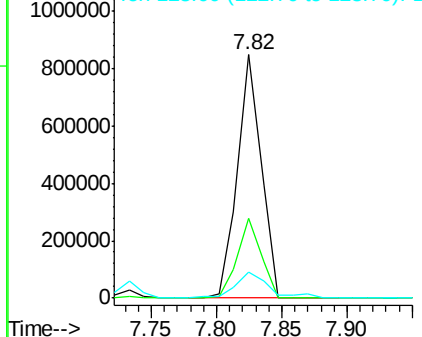


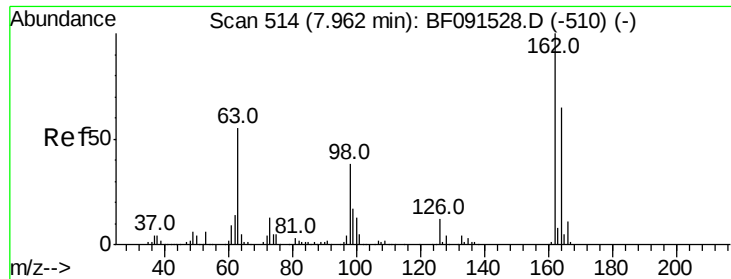
Abundance

Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





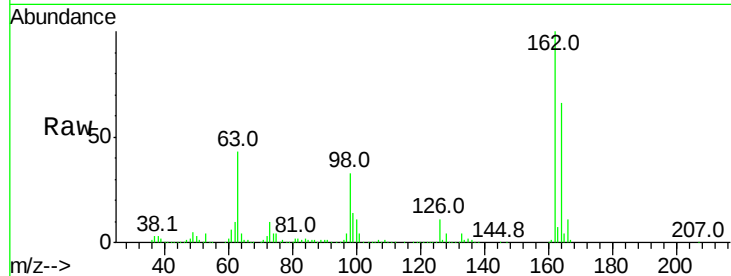
#29
 2,4-Dichlorophenol
 Concen: 48.31 ng
 RT: 7.94 min Scan# 512
 Delta R.T. -0.02 min
 Lab File: BF091630.D
 Acq: 15 Dec 2016 16:05

Instrument :
 BNA_F
 ClientSampleId :
 PB95365BS

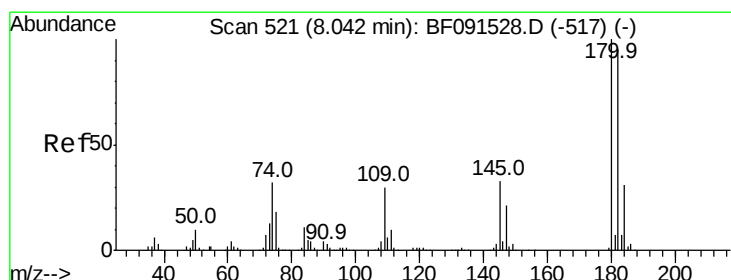
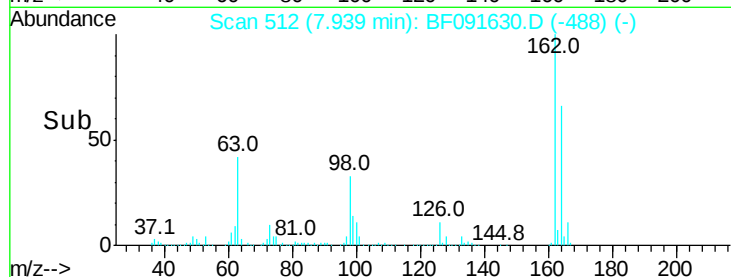
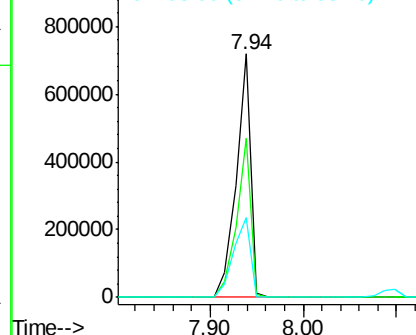
Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	65.5	45.0	85.0
98	32.5	21.3	61.3

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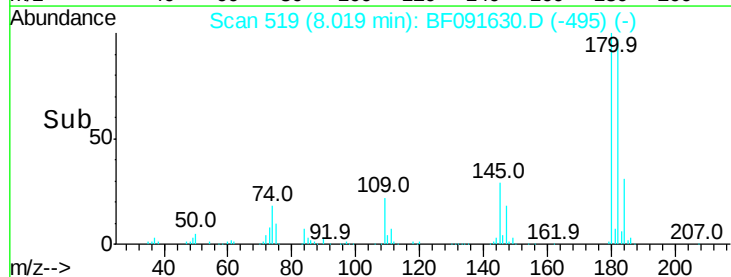
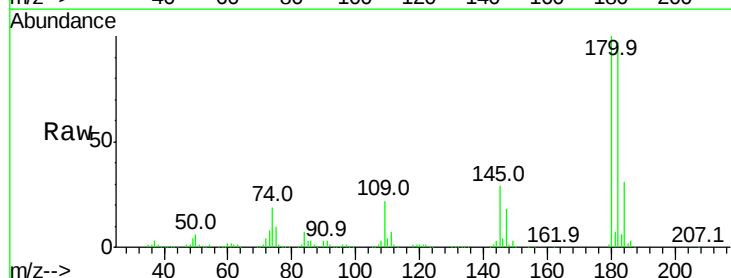
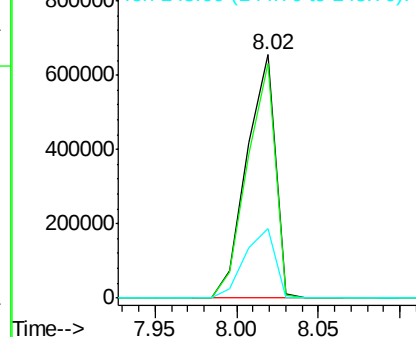
Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

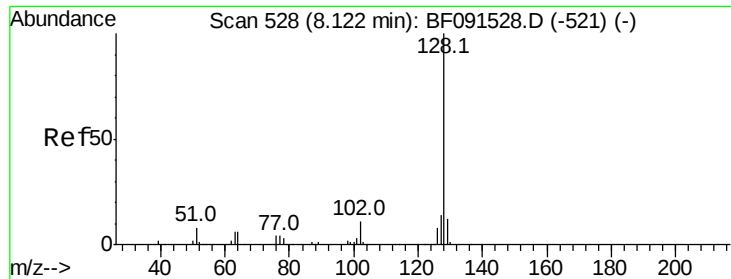


#30
 1,2,4-Trichlorobenzene
 Concen: 43.09 ng
 RT: 8.02 min Scan# 519
 Delta R.T. -0.02 min
 Lab File: BF091630.D
 Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.6	75.8	113.8
145	28.5	27.0	40.4

Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





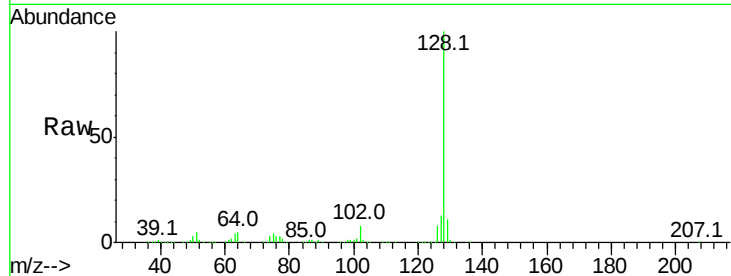
#31
Naphthalene
Concen: 43.29 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.02 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Instrument :
BNA_F
ClientSampleId :
PB95365BS

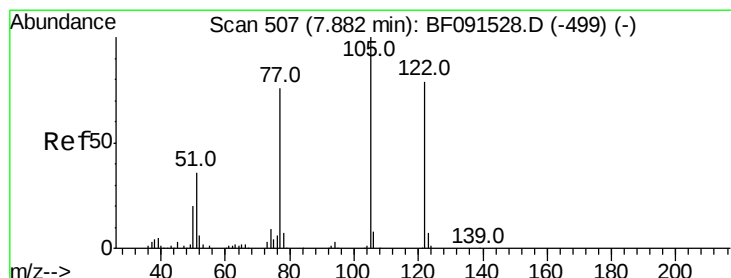
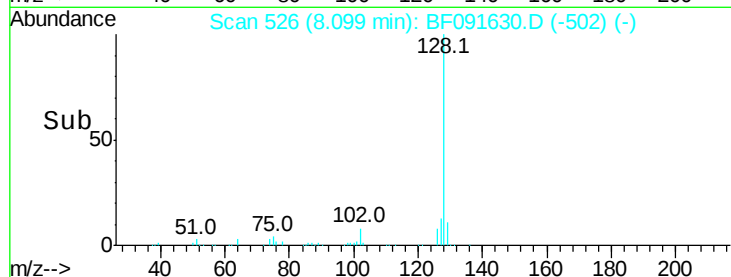
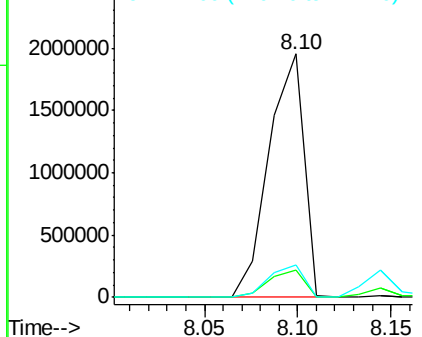
Tot Ion:128 Resp: 2557849
Ion Ratio Lower Upper
128 100
129 11.2 9.1 13.7
127 13.5 11.0 16.4

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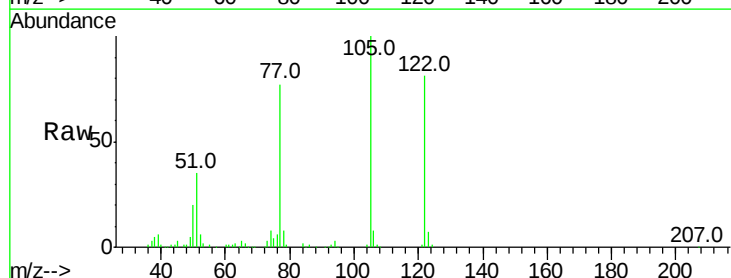


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

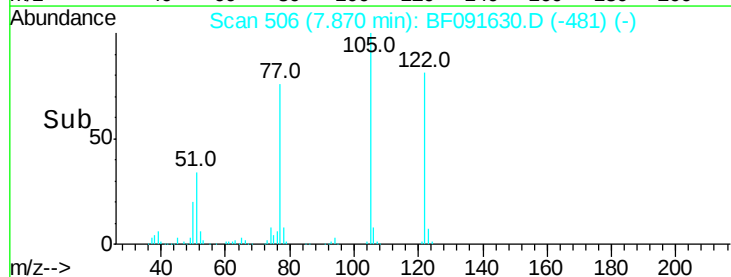
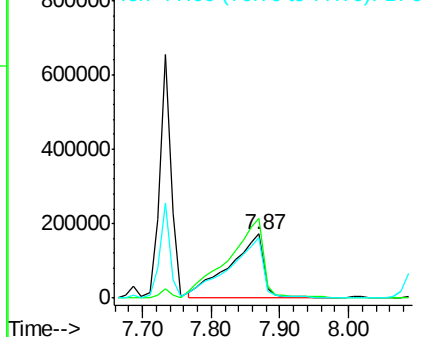


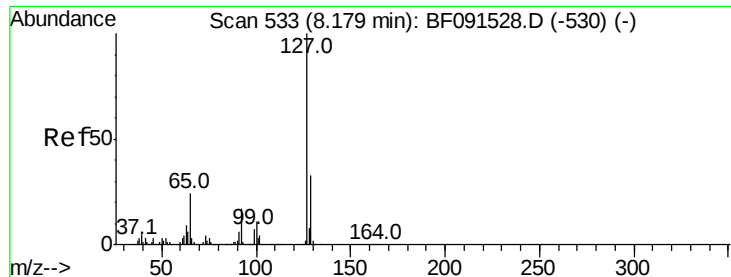
#32
Benzoic acid
Concen: 44.89 ng
RT: 7.87 min Scan# 506
Delta R.T. -0.01 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tgt Ion:122 Resp: 595497
Ion Ratio Lower Upper
122 100
105 123.9 113.0 153.0
77 95.2 82.0 122.0



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





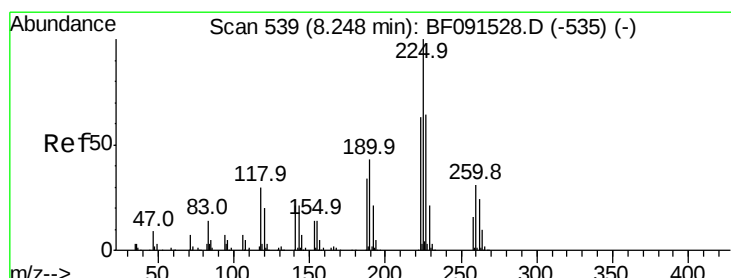
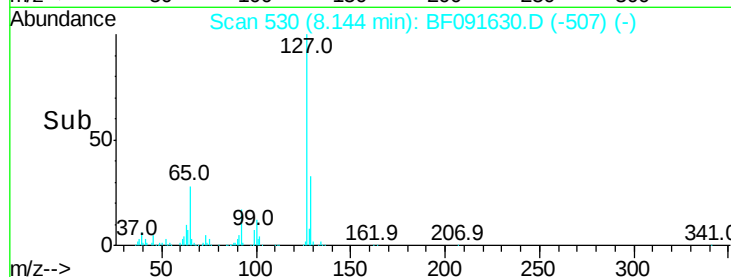
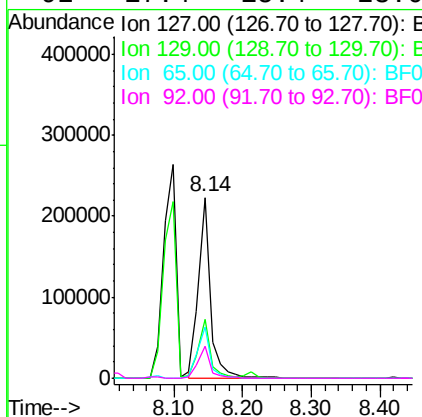
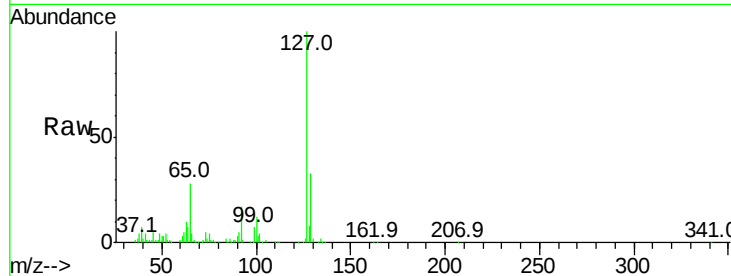
#33
4-Chloroaniline
Concen: 10.48 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.03 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Instrument :
BNA_F
ClientSampleId :
PB95365BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.7	26.2	39.4	
65	28.3	26.6	39.8	
92	17.4	15.4	23.0	

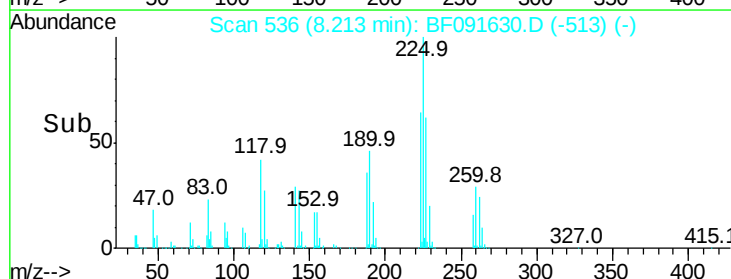
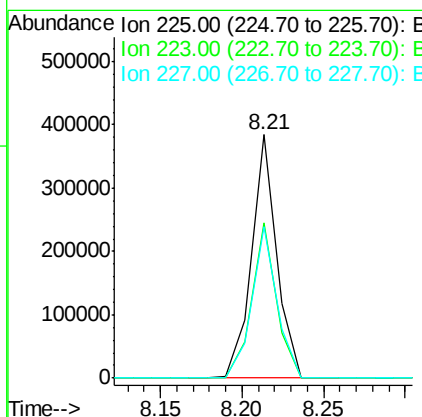
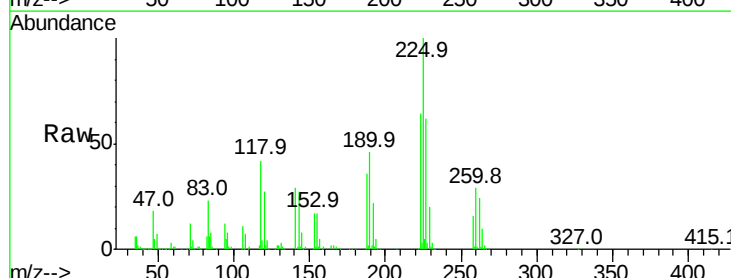
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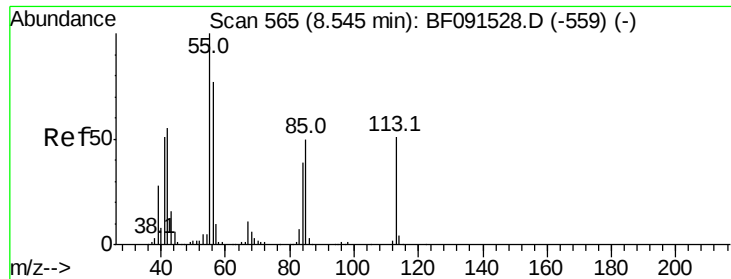
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#34
Hexachlorobutadiene
Concen: 38.77 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.03 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.7	49.8	74.6	
227	62.3	52.6	79.0	





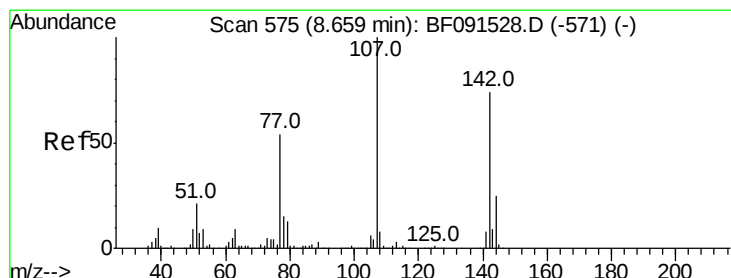
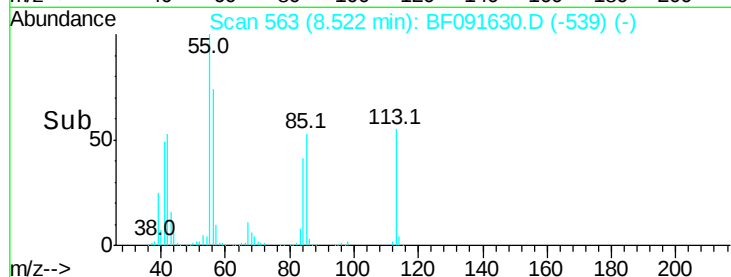
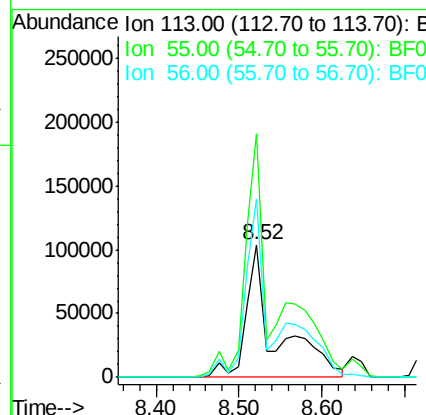
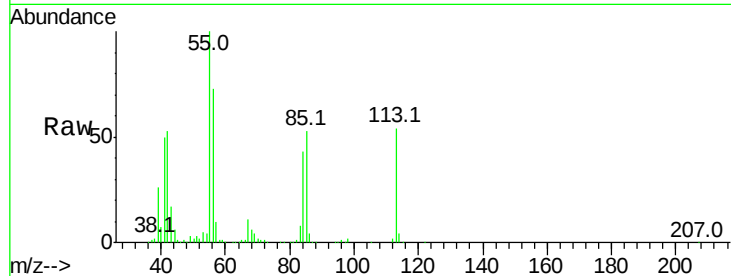
#35
 Caprolactam
 Concen: 54.45 ng/ml
 RT: 8.52 min Scan# 563
 Delta R.T. -0.02 min
 Lab File: BF091630.D
 Acq: 15 Dec 2016 16:05

Instrument :
 BNA_F
 ClientSampleID :
 PB95365BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	183.7	239.8	279.8#
56	135.0	165.6	205.6#

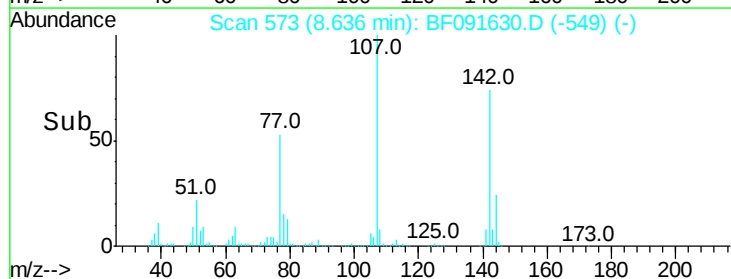
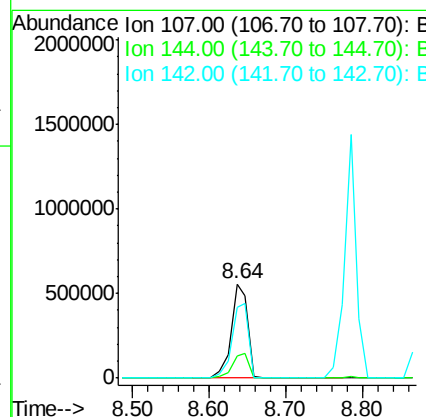
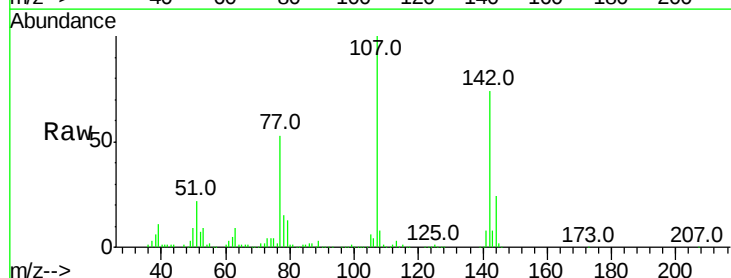
Manual Integrations
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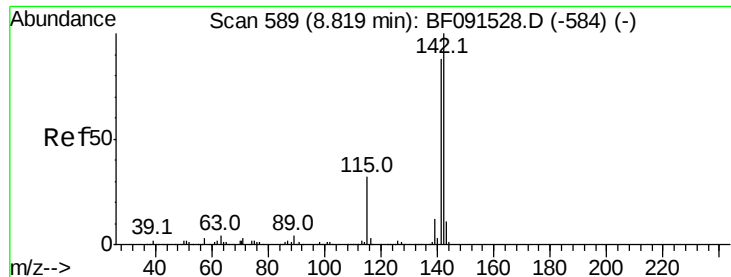
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#36
 4-Chloro-3-methylphenol
 Concen: 46.84 ng/ml
 RT: 8.64 min Scan# 573
 Delta R.T. -0.02 min
 Lab File: BF091630.D
 Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.8	18.9	28.3
142	74.4	58.5	87.7





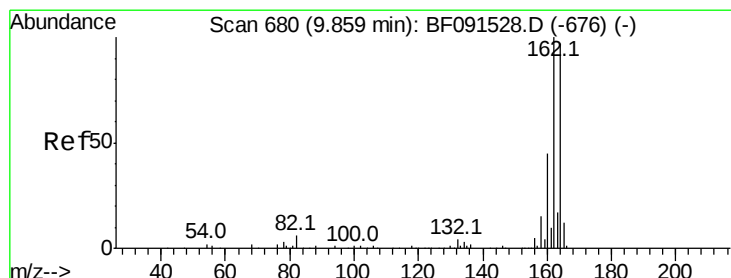
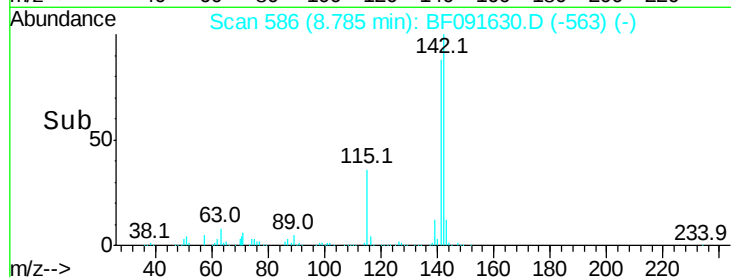
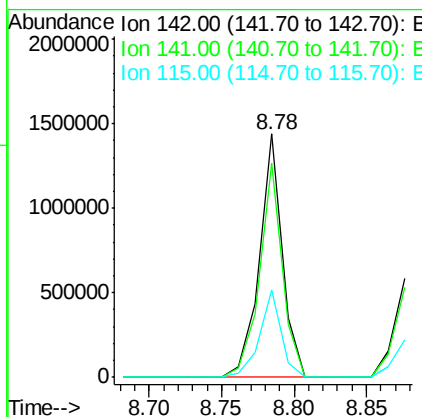
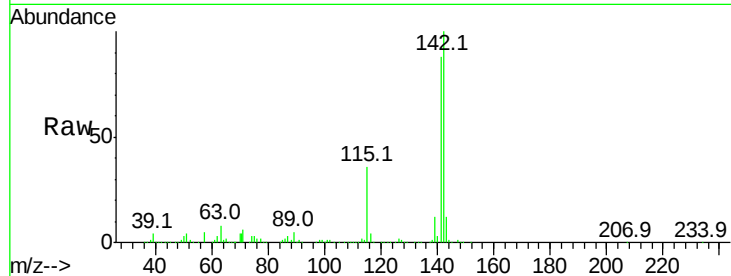
#37
2-Methylnaphthalene
Concen: 41.15 ng
RT: 8.78 min Scan# 586
Delta R.T. -0.03 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Instrument :
BNA_F
ClientSampleId :
PB95365BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.7	107.5
115	36.0	25.0	37.6

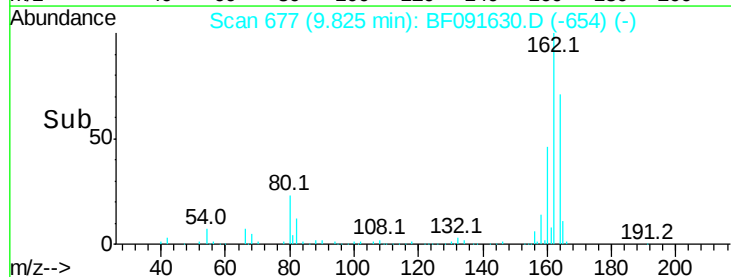
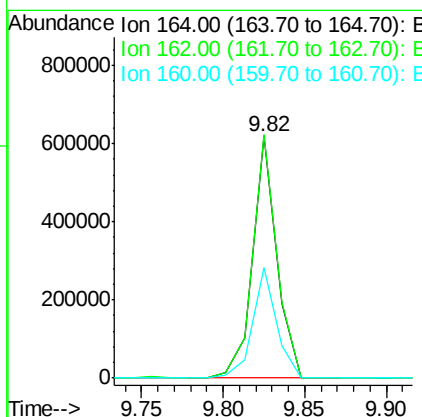
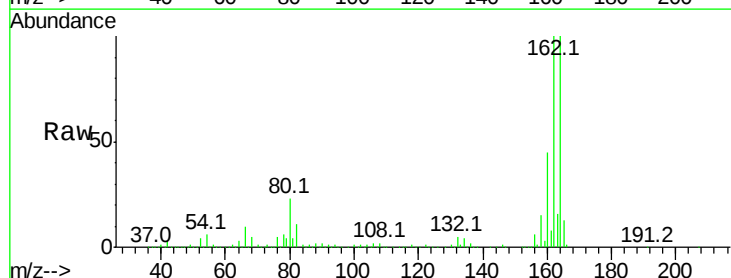
Manual Integrations
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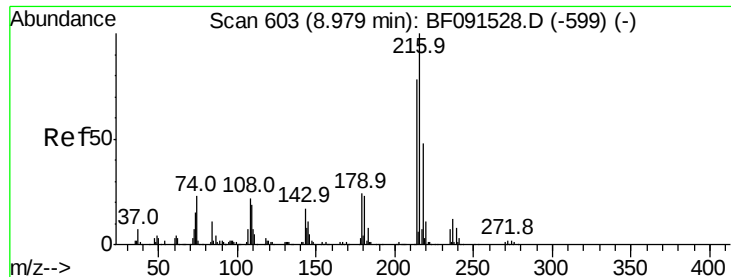
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.03 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.5	82.6	124.0
160	45.5	36.7	55.1





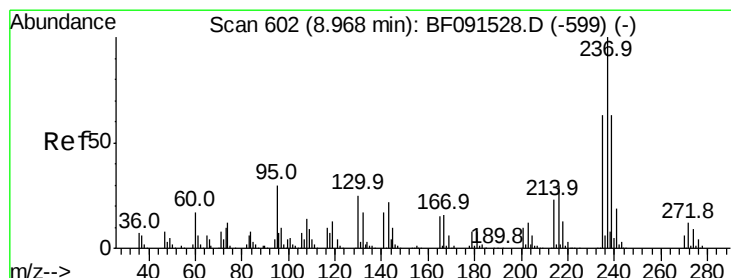
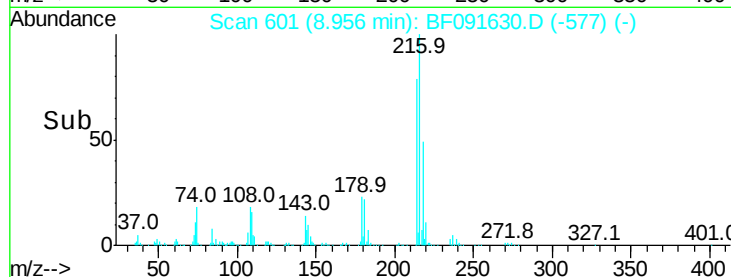
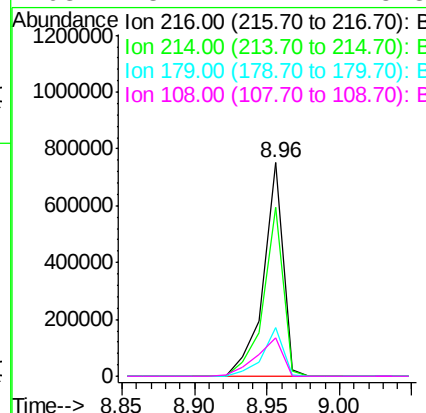
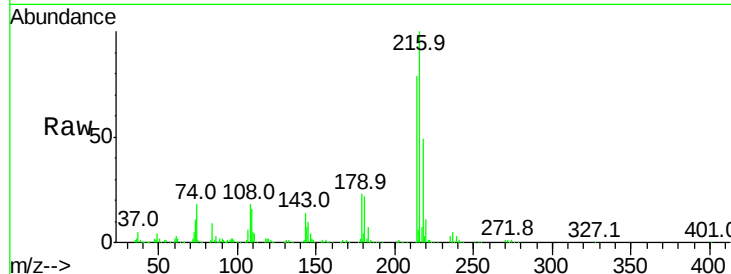
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 40.74 ng
 RT: 8.96 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: BF091630.D
 Acq: 15 Dec 2016 16:05

Instrument :
 BNA_F
 ClientSampleId :
 PB95365BS

Tot Ion	Ratio	Resp	Lower	Upper
216	100	710477		
214	78.8	63.8	95.8	
179	23.0	18.2	27.2	
108	23.7	17.2	25.8	

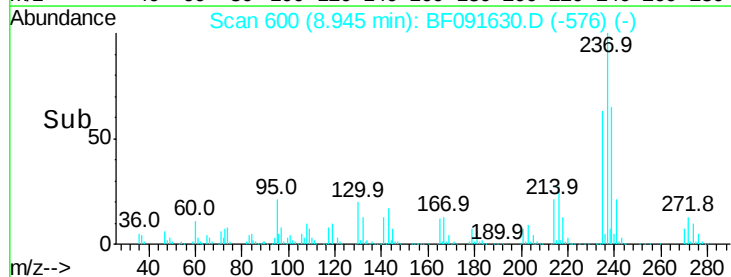
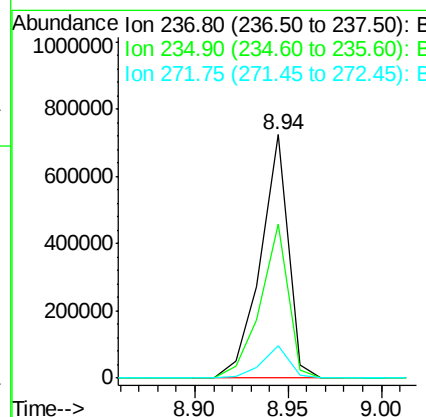
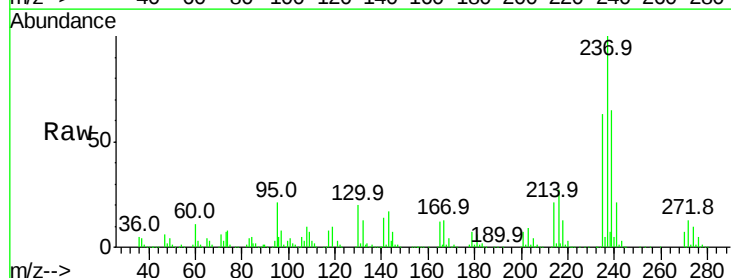
Manual Integrations
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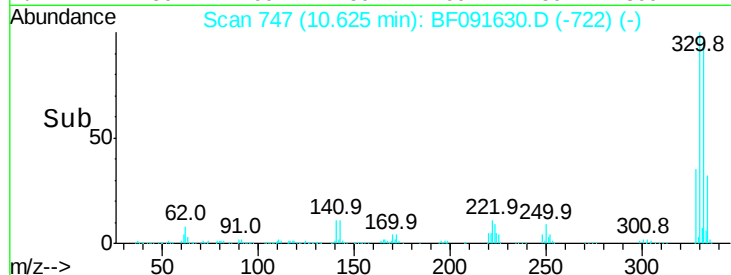
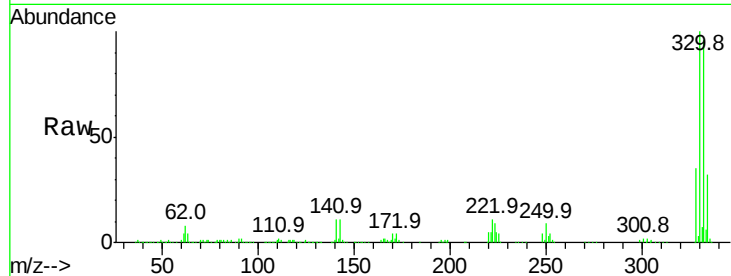
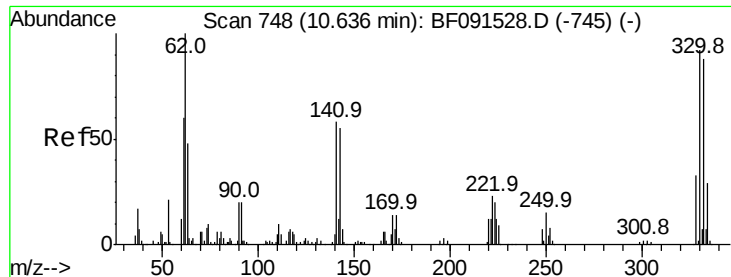
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#40
 Hexachlorocyclopentadiene
 Concen: 95.72 ng
 RT: 8.94 min Scan# 600
 Delta R.T. -0.02 min
 Lab File: BF091630.D
 Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	744241		
235	63.2	43.9	83.9	
272	13.4	0.0	33.1	





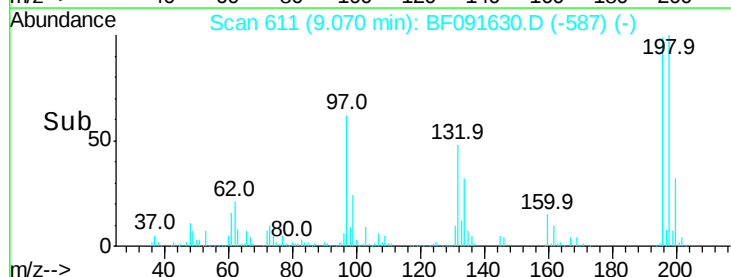
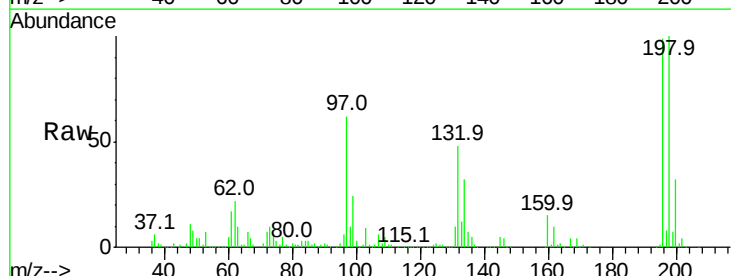
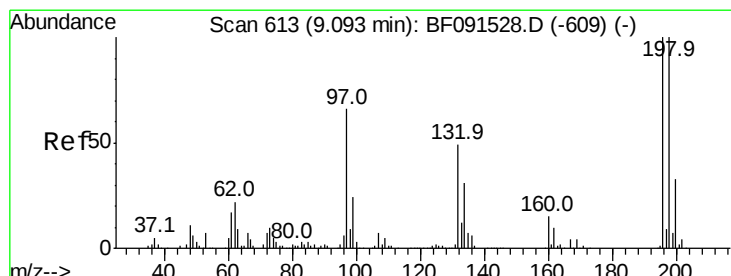
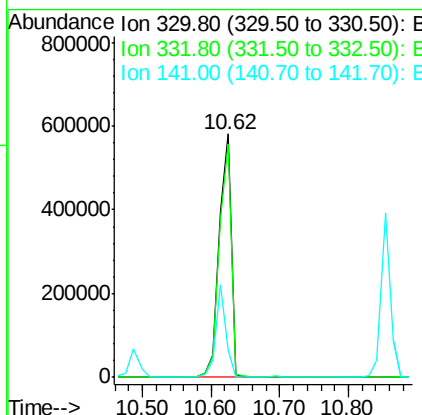
#41
 2,4,6-Tribromophenol
 Concen: 137.10 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF091630.D
 Acq: 15 Dec 2016 16:05

Tot Ion	Ratio	Resp	Lower	Upper
330	100	724071		
332	96.0		76.2	114.4
141	31.8		33.6	50.4

Instrument :
 BNA_F
 ClientSampleId :
 PB95365BS

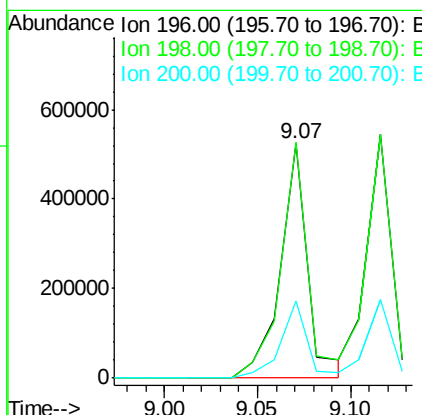
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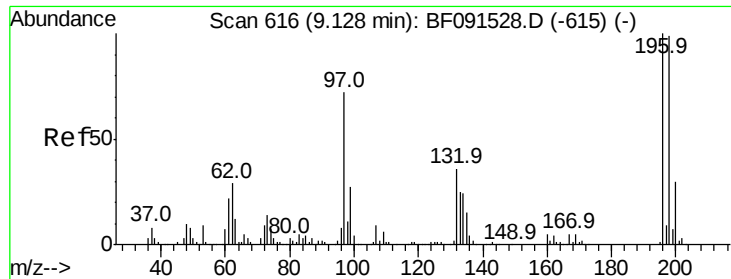
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#42
 2,4,6-Trichlorophenol
 Concen: 47.73 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF091630.D
 Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	534876		
198	100.7		77.4	116.0
200	32.7		25.2	37.8





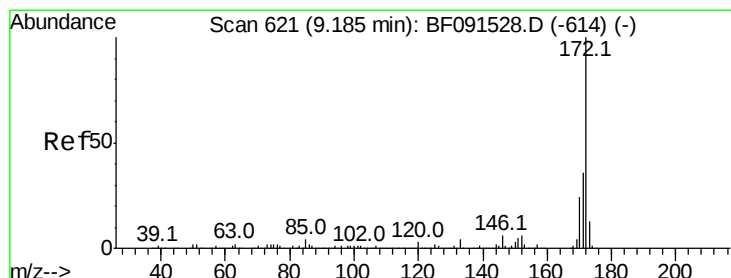
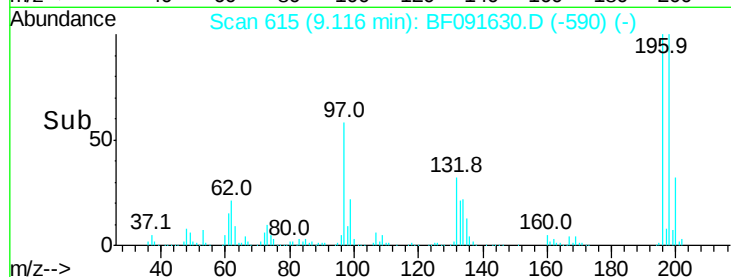
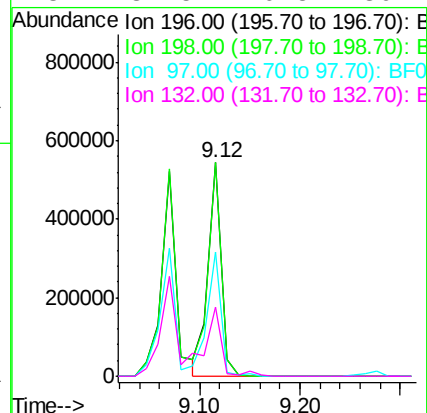
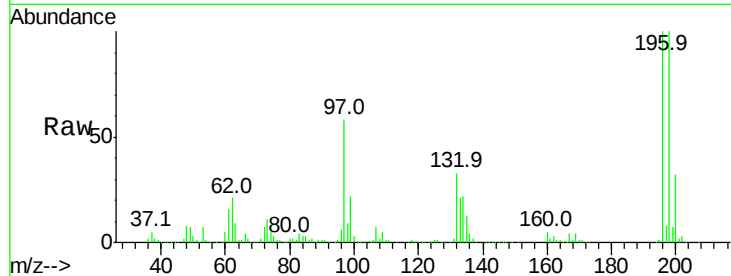
#43
 2,4,5-Trichlorophenol
 Concen: 43.11 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF091630.D
 Acq: 15 Dec 2016 16:05

Instrument :
 BNA_F
 ClientSampleId :
 PB95365BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	496447		
198	100.0	77.0	115.6	
97	58.3	33.5	50.3#	
132	32.5	20.5	30.7#	

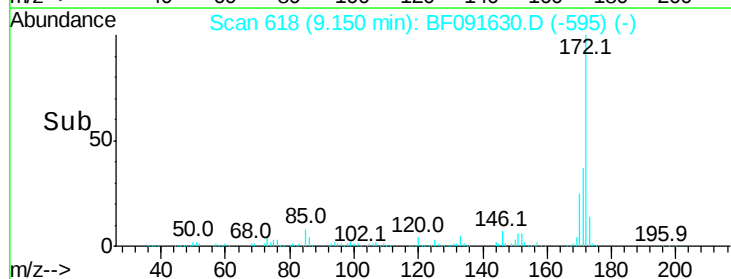
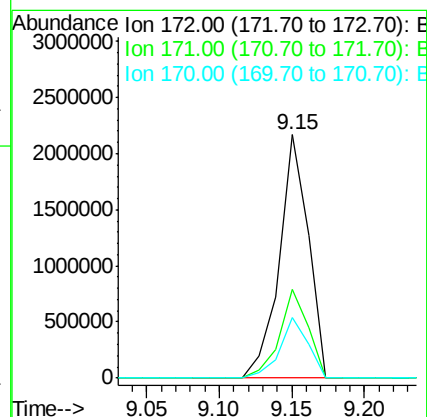
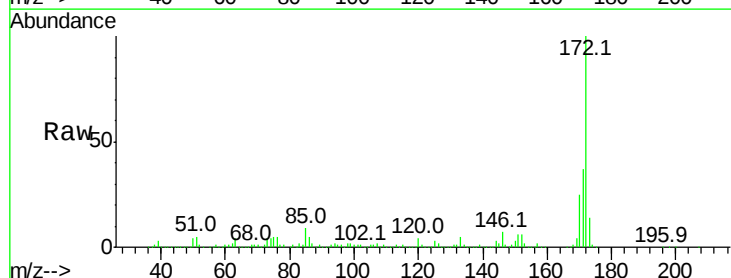
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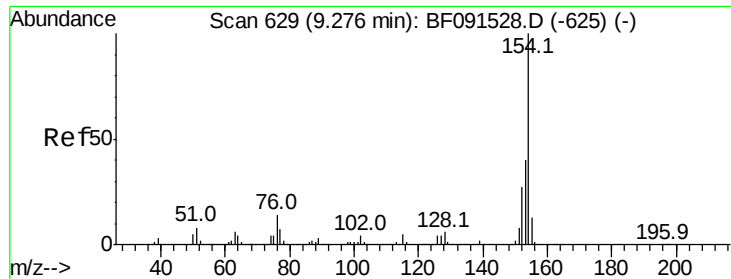
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#44
 2-Fluorobiphenyl
 Concen: 81.24 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.03 min
 Lab File: BF091630.D
 Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2989527		
171	36.6	29.4	44.0	
170	25.1	19.7	29.5	





#45

1,1'-Biphenyl

Concen: 42.70 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Instrument :

BNA_F

ClientSampled :

PB95365BS

Tot Ion:154 Resp: 1966597

Ion Ratio Lower Upper

154 100

153 40.8 20.6 60.6

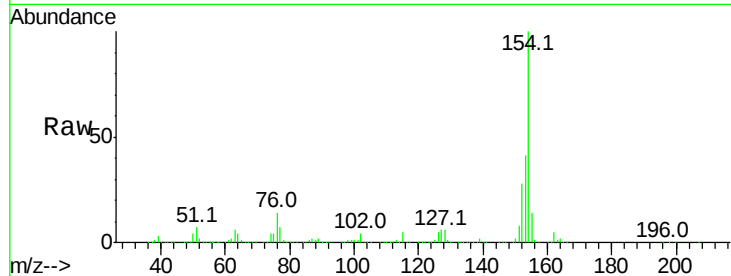
76 13.9 0.0 36.6

Manual Integrations

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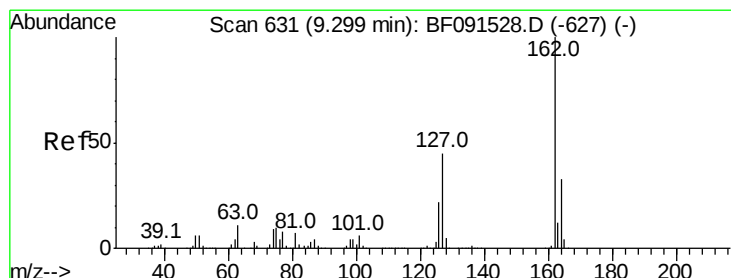
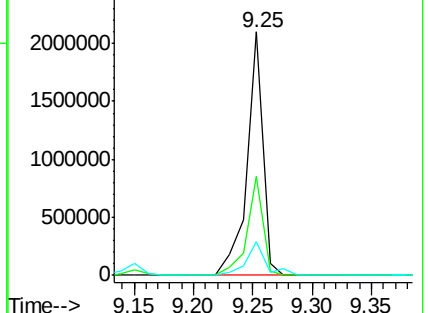
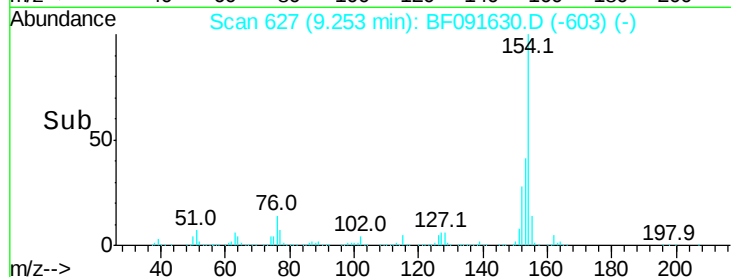
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): E



#46

2-Chloronaphthalene

Concen: 42.38 ng

RT: 9.28 min Scan# 629

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

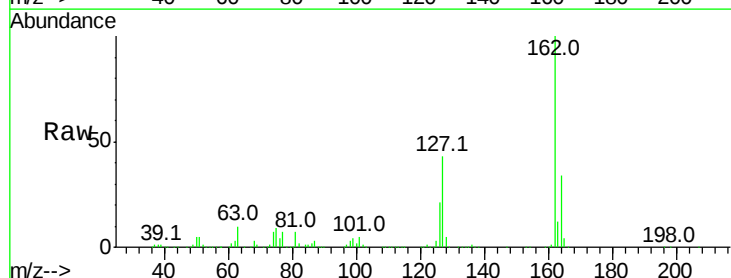
Tgt Ion:162 Resp: 1511295

Ion Ratio Lower Upper

162 100

127 42.6 34.3 51.5

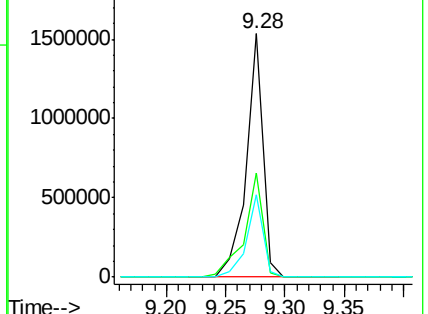
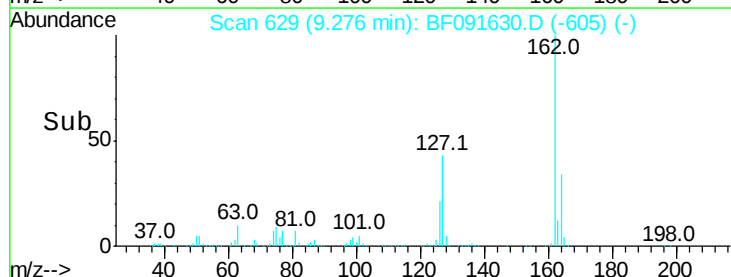
164 33.9 26.6 40.0

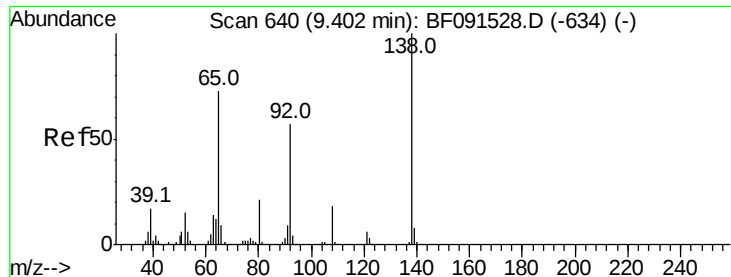


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 42.35 ng

RT: 9.37 min Scan# 637

Delta R.T. -0.03 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Instrument :

BNA_F

ClientSampleId :

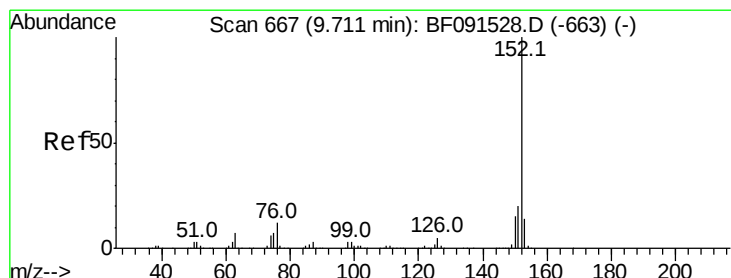
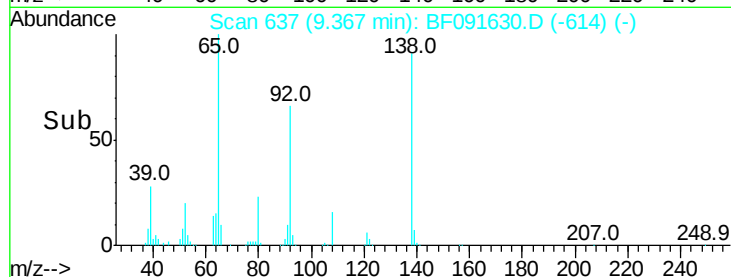
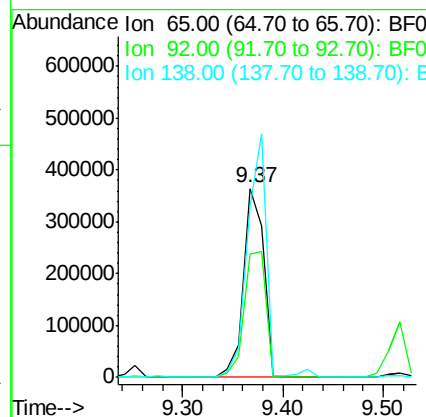
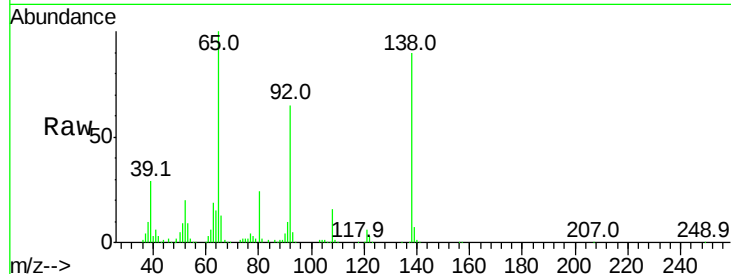
PB95365BS

Tot Ion: 65 Resp: 507907
Ion Ratio Lower Upper

65	100		
92	65.3	53.6	80.4
138	90.4	91.0	136.6

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#48

Acenaphthylene

Concen: 41.05 ng

RT: 9.69 min Scan# 665

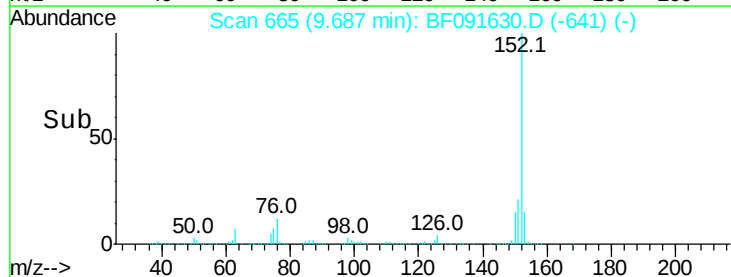
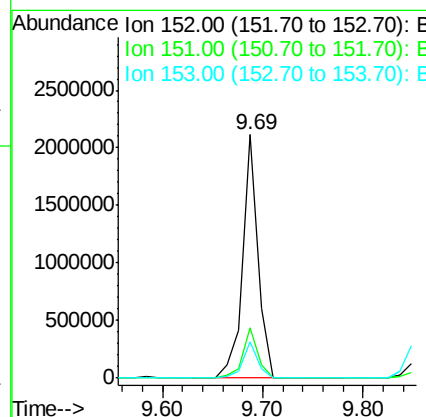
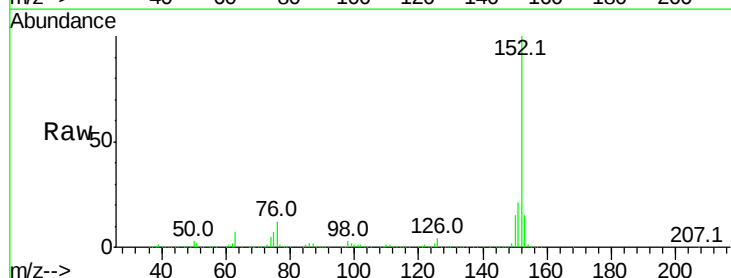
Delta R.T. -0.02 min

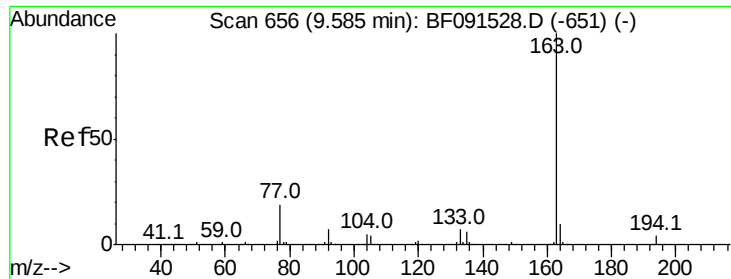
Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Tgt Ion: 152 Resp: 2231801
Ion Ratio Lower Upper

152	100		
151	20.7	16.6	24.8
153	14.9	10.7	16.1





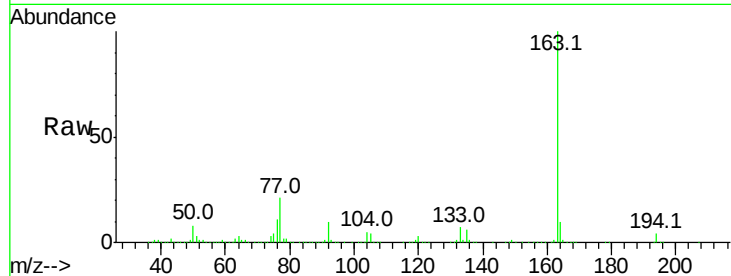
#49
Dimethylphthalate
Concen: 46.10 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.02 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Instrument :
BNA_F
ClientSampleId :
PB95365BS

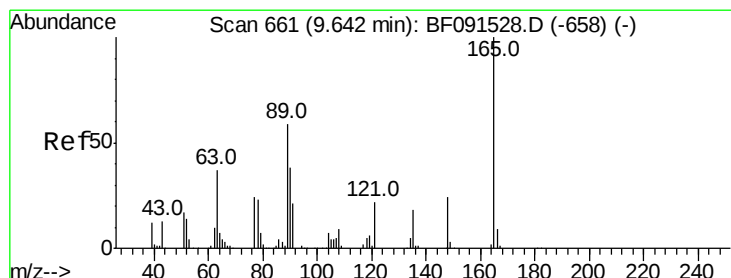
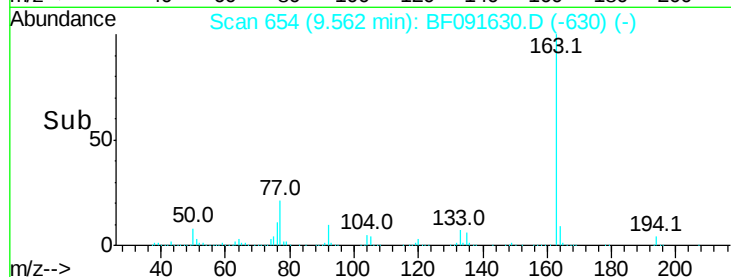
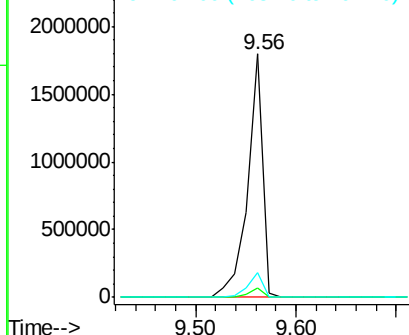
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	10.4	7.8	11.8

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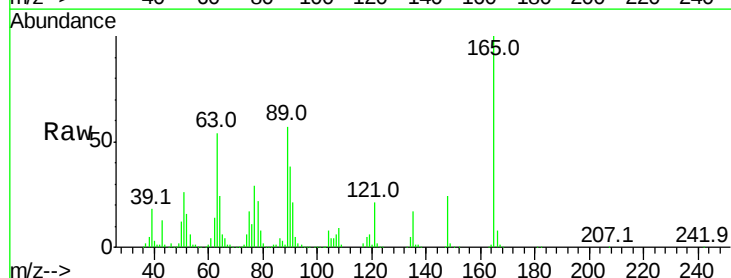


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

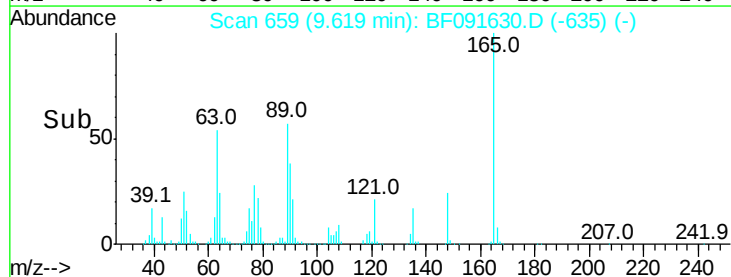
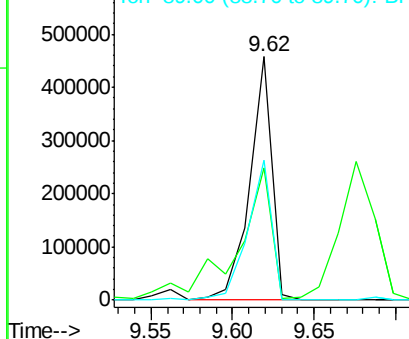


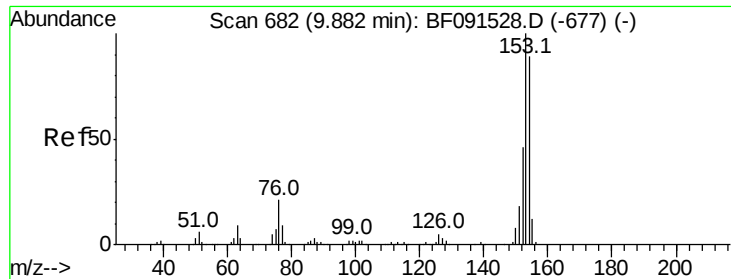
#50
2,6-Dinitrotoluene
Concen: 48.75 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.02 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	54.4	59.4	89.0#
89	57.4	50.8	76.2



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 43.93 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Instrument :

BNA_F

ClientSampleId :

PB95365BS

Tot Ion:154 Resp: 1658857

Ion Ratio Lower Upper

154 100

153 111.5 91.0 136.6

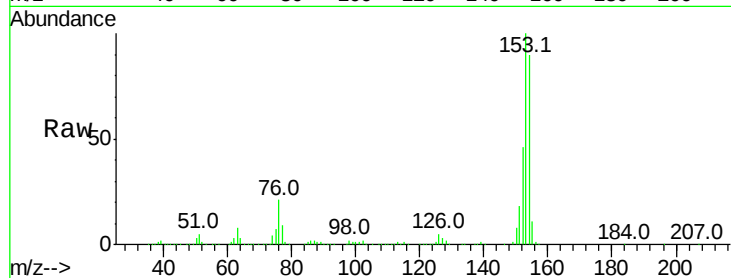
152 51.6 44.2 66.2

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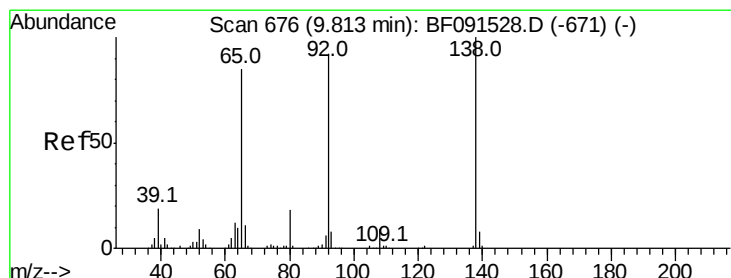
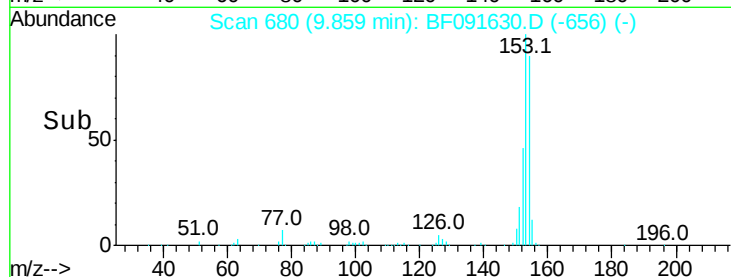
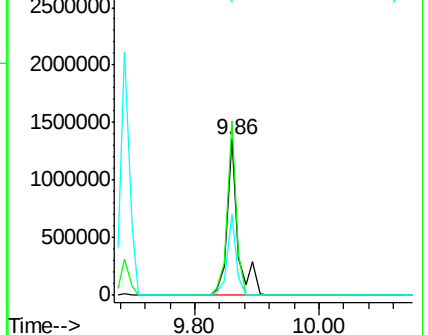
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 17.64 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.03 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

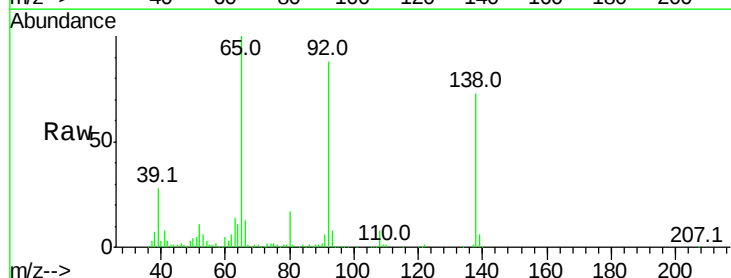
Tgt Ion:138 Resp: 183161

Ion Ratio Lower Upper

138 100

108 10.8 8.1 12.1

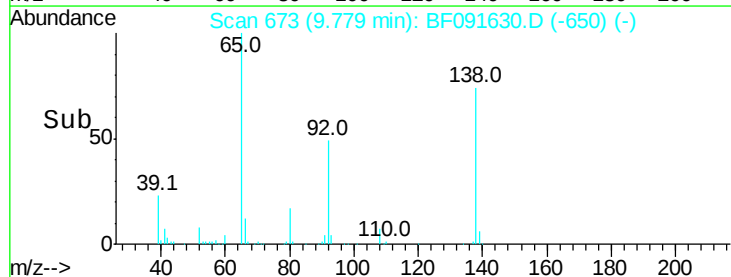
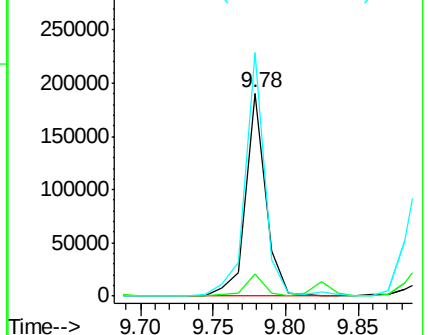
92 120.1 92.5 138.7

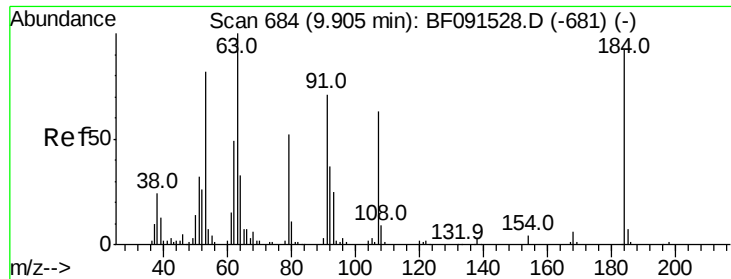


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





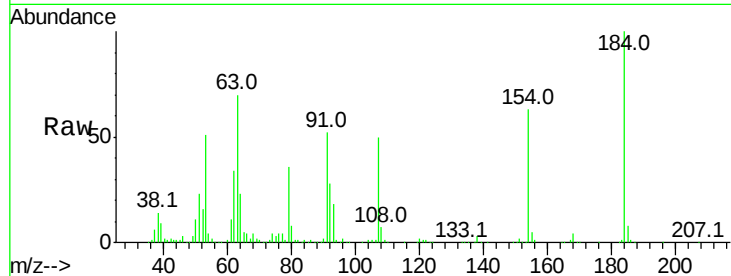
#53
2,4-Dinitrophenol
Concen: 86.75 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Instrument :
BNA_F
ClientSampleId :
PB95365BS

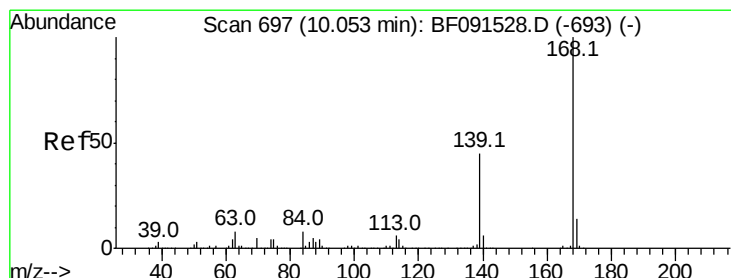
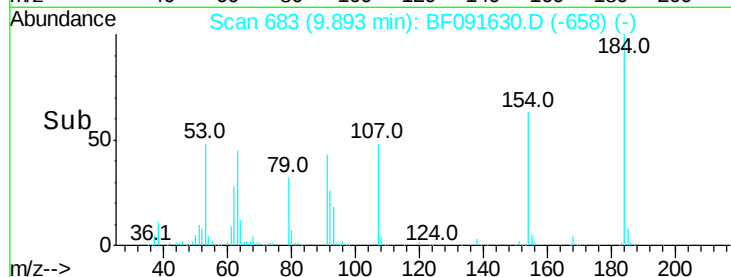
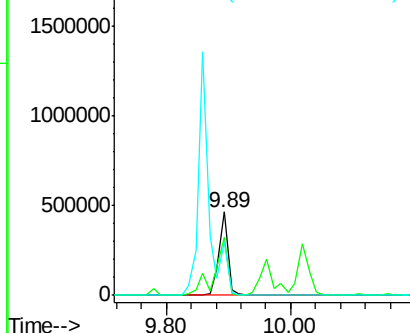
Tot Ion	Ratio	Lower	Upper
184	100		
63	69.7	58.3	87.5
154	63.5	48.6	73.0

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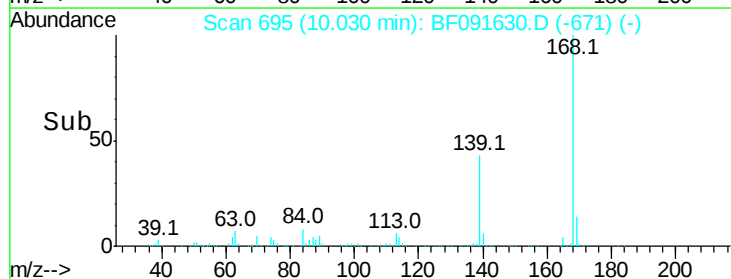
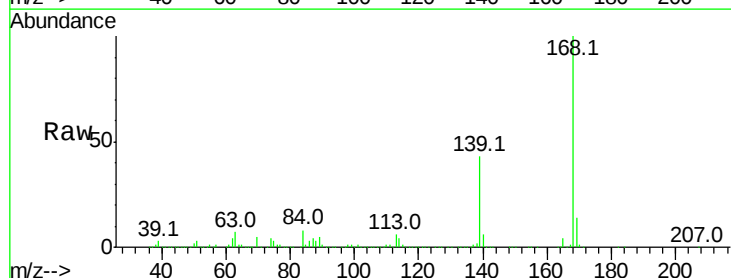
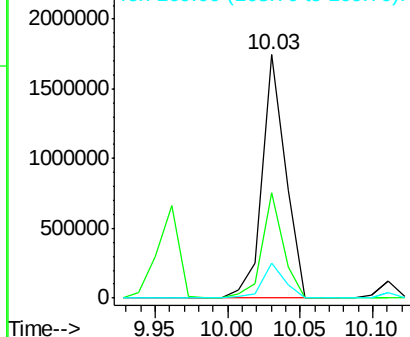
Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

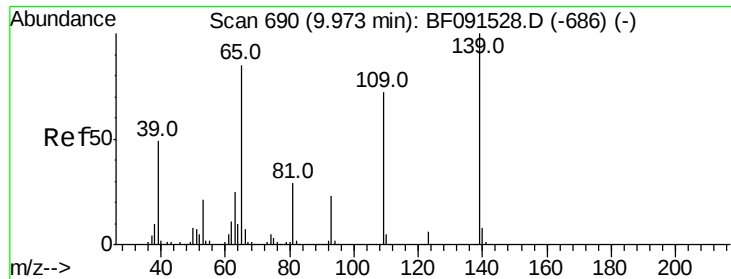


#54
Dibenzofuran
Concen: 41.66 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.02 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Lower	Upper
168	100		
139	43.3	33.4	50.2
169	14.4	11.1	16.7

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 91.07 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Instrument :

BNA_F

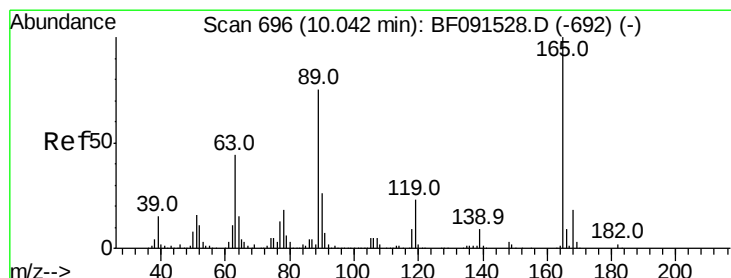
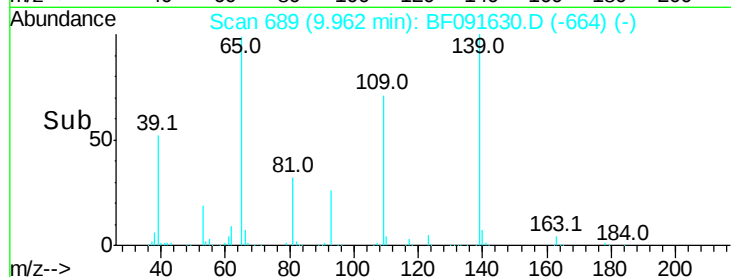
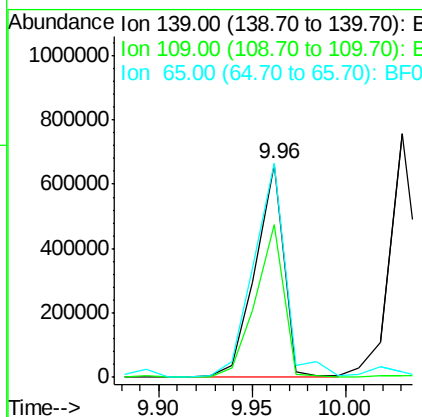
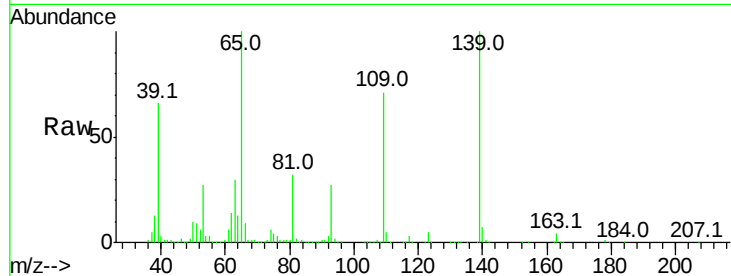
ClientSampleId :

PB95365BS

Tot Ion	Ratio	Lower	Upper
139	100		
109	71.5	54.9	94.9
65	100.5	102.2	142.2#

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#56

2,4-Dinitrotoluene

Concen: 43.26 ng

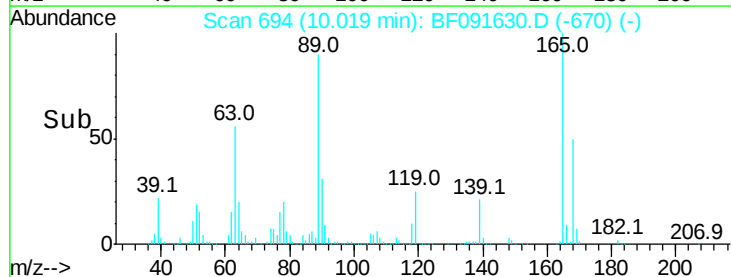
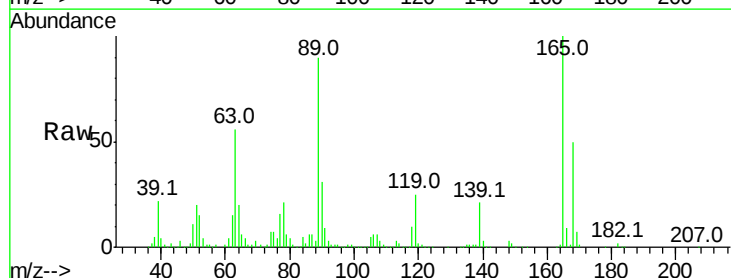
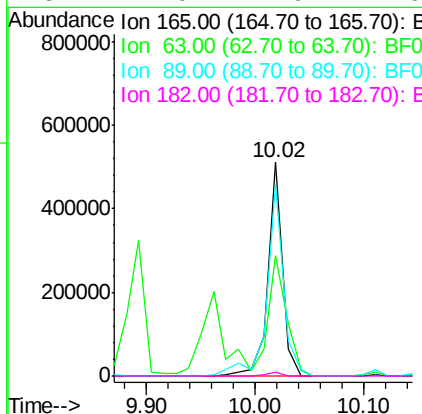
RT: 10.02 min Scan# 694

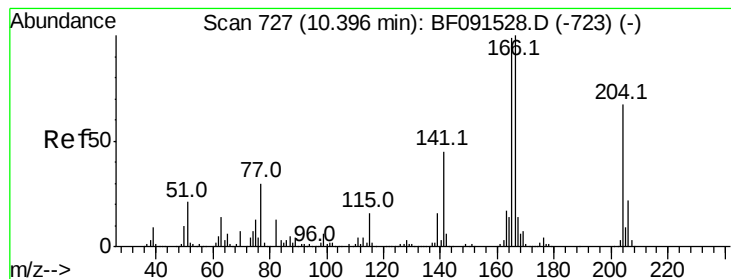
Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	56.4	29.0	43.4#
89	89.9	43.1	64.7#
182	2.0	1.9	2.9





#57

Fluorene

Concen: 41.44 ng

RT: 10.37 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Instrument :

BNA_F

ClientSampleId :

PB95365BS

Tot Ion:166 Resp: 1396347

Ion Ratio Lower Upper

166 100

165 97.0 80.0 120.0

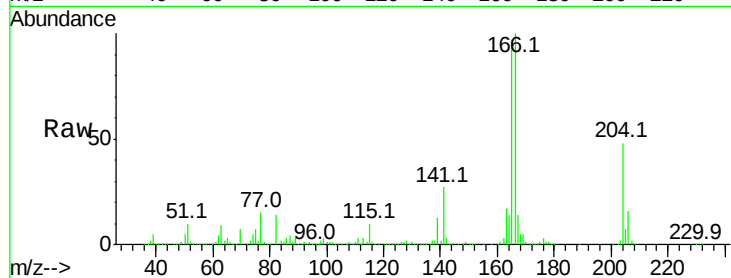
167 13.8 10.8 16.2

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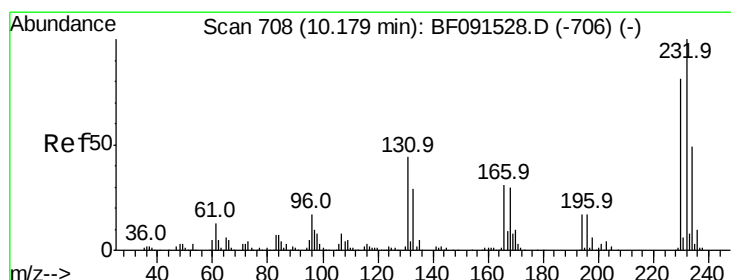
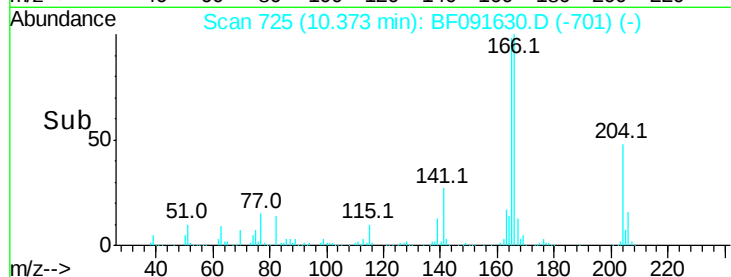
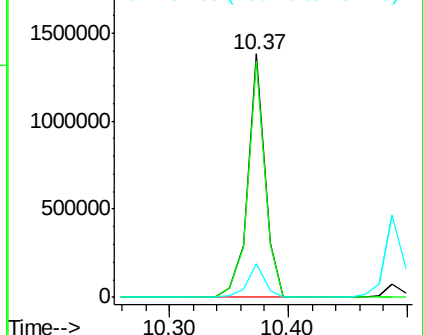
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 49.07 ng

RT: 10.16 min Scan# 706

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Tgt Ion:232 Resp: 442371

Ion Ratio Lower Upper

232 100

131 50.9 38.4 57.6

130 2.3 1.8 2.8

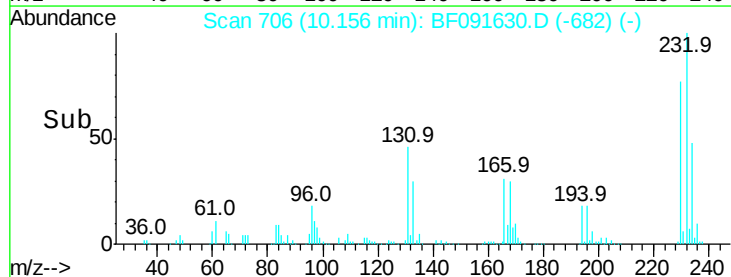
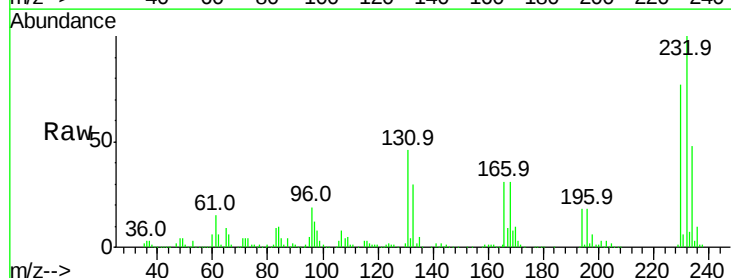
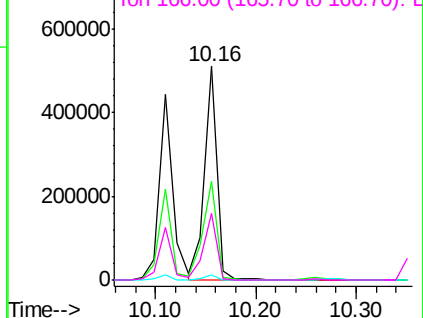
166 32.4 23.9 35.9

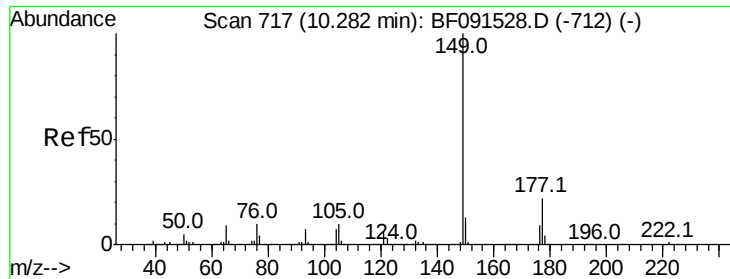
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





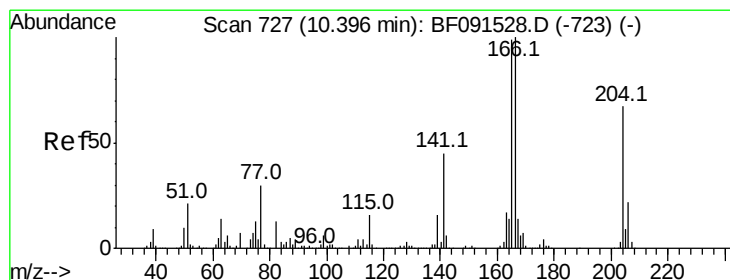
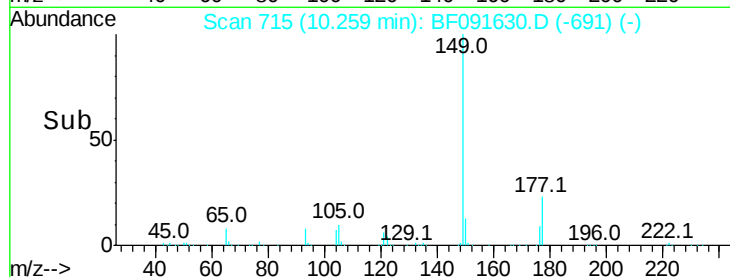
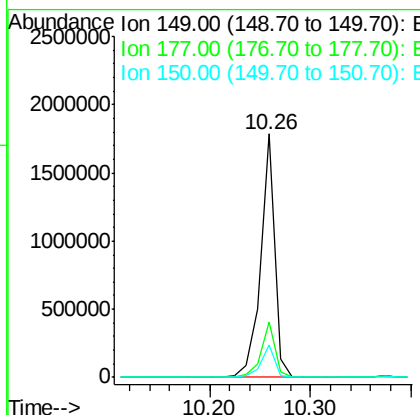
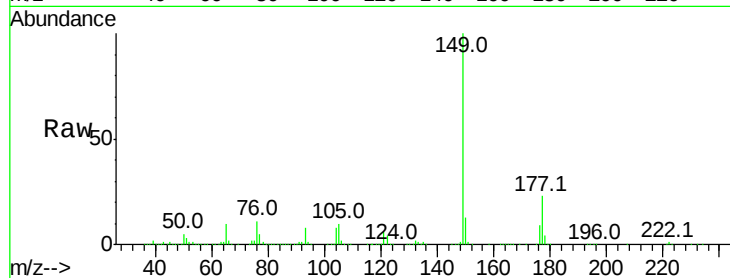
#59
Diethylphthalate
Concen: 44.59 ng
RT: 10.26 min Scan# 715
Delta R.T. -0.02 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Instrument :
BNA_F
ClientSampleId :
PB95365BS

Tot Ion:149 Resp: 1728540
Ion Ratio Lower Upper
149 100
177 22.6 15.7 23.5
150 13.1 10.2 15.2

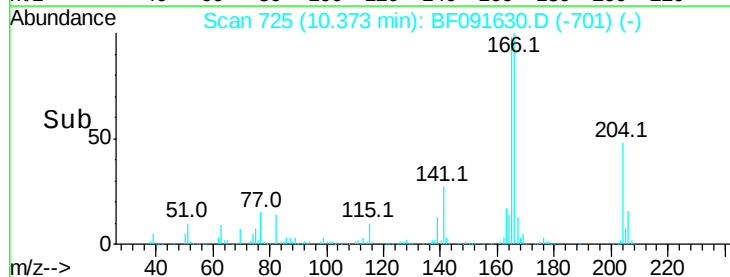
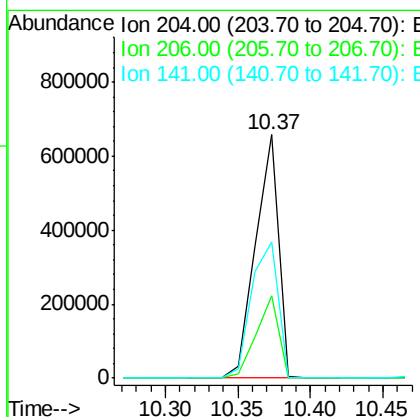
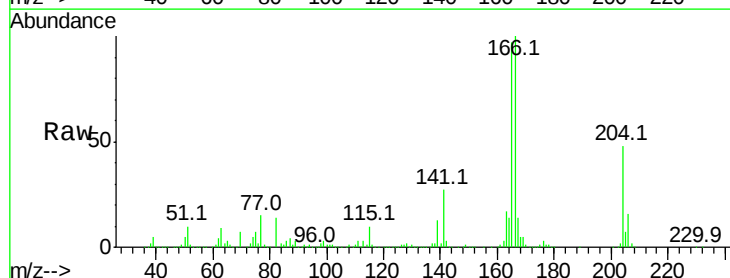
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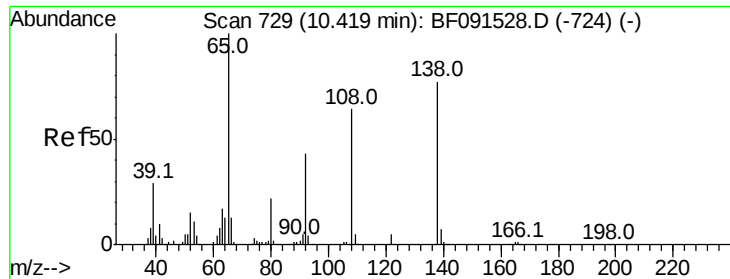
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#60
4-Chlorophenyl-phenylether
Concen: 42.98 ng
RT: 10.37 min Scan# 725
Delta R.T. -0.02 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tgt Ion:204 Resp: 721972
Ion Ratio Lower Upper
204 100
206 33.7 26.1 39.1
141 55.9 40.6 61.0





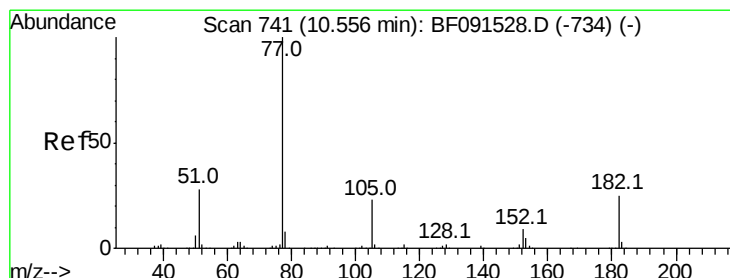
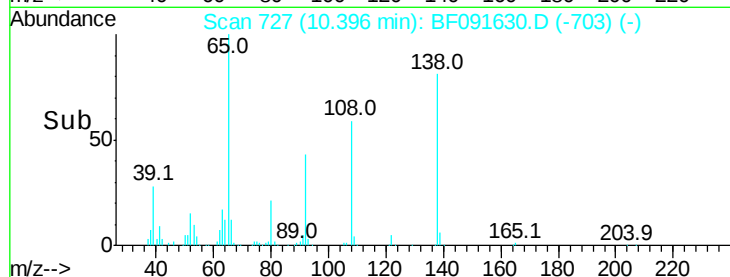
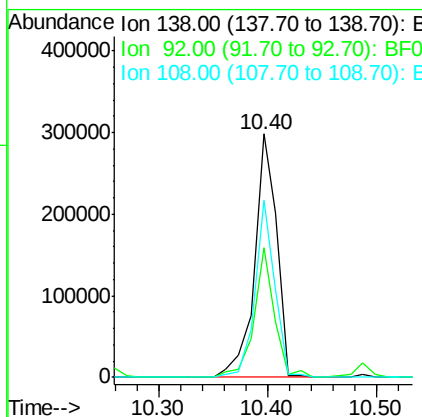
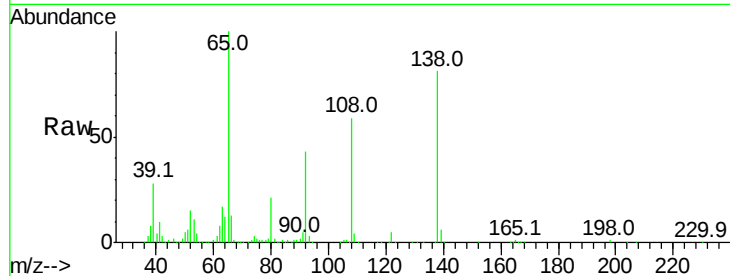
#61
4-Nitroaniline
Concen: 41.30 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.02 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Instrument :
BNA_F
ClientSampleId :
PB95365BS

Tot Ion	Ratio	Lower	Upper
138	100		
92	53.2	26.9	66.9
108	72.9	49.1	89.1

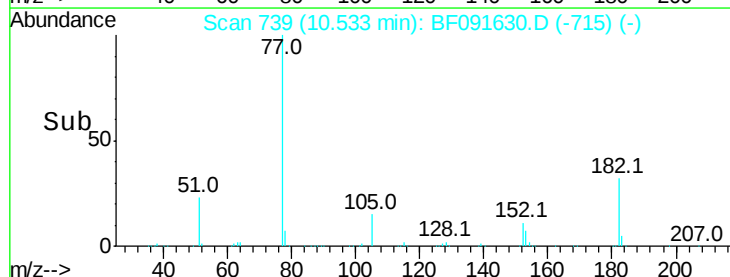
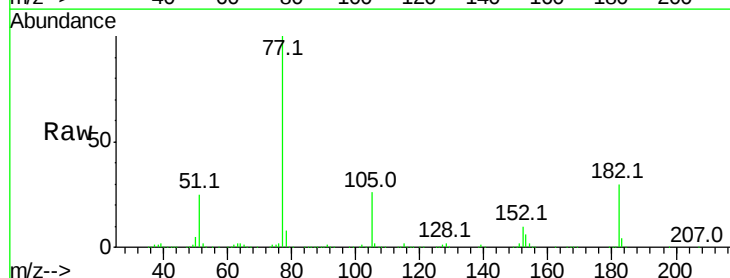
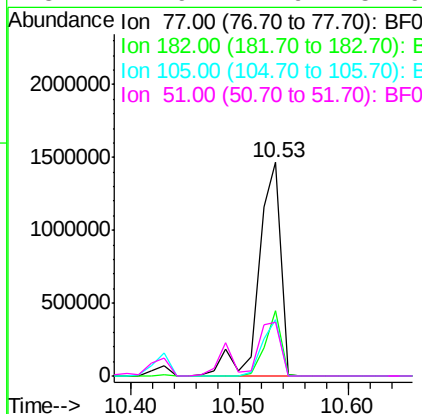
Manual Integrations
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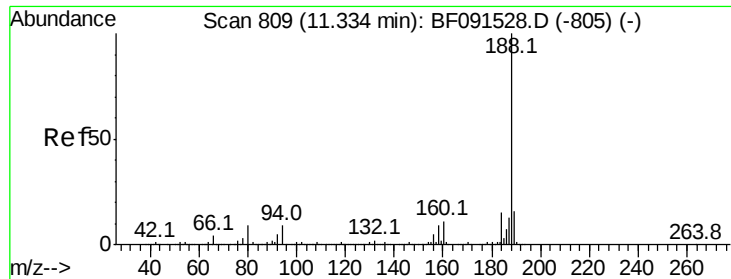
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#62
Azobenzene
Concen: 47.21 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.02 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Lower	Upper
77	100		
182	30.4	12.5	52.5
105	26.2	3.7	43.7
51	24.9	11.9	51.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Instrument :

BNA_F

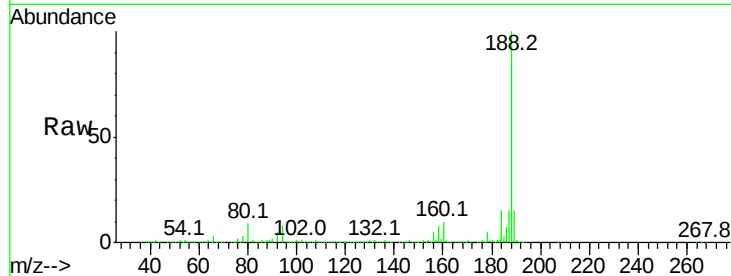
ClientSampleId :

PB95365BS

Tot Ion:	188	Resp:	1052556
Ion Ratio	Lower	Upper	
188	100		
94	8.4	9.2	13.8#
80	8.7	10.5	15.7#

Manual Integrations
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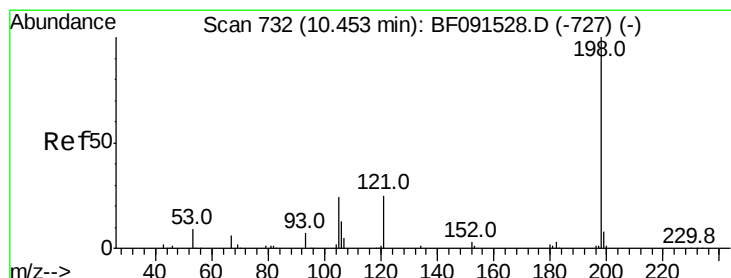
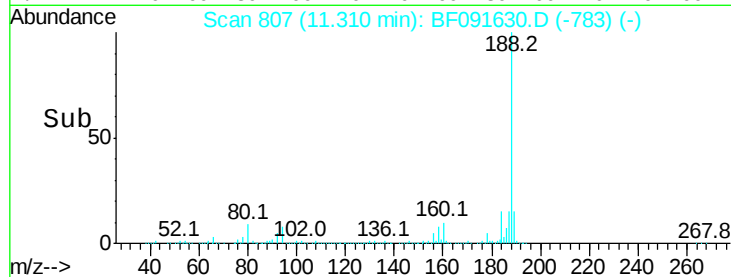
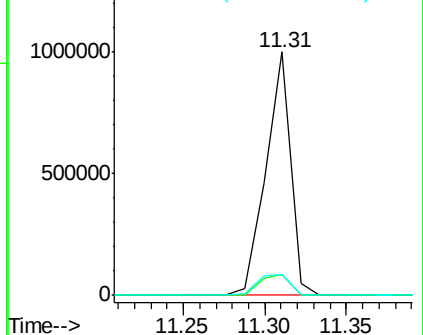
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 51.05 ng

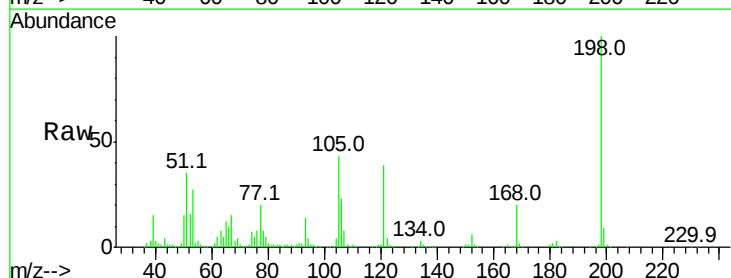
RT: 10.43 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

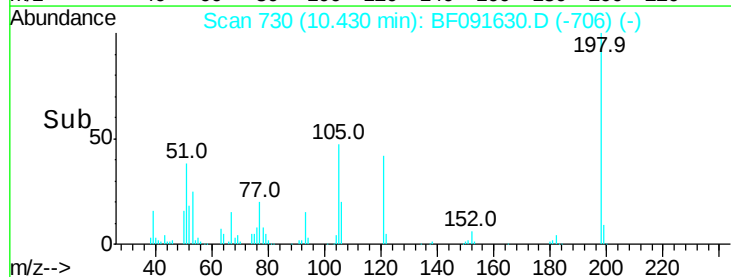
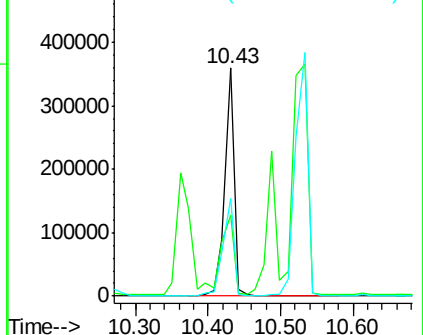
Tgt Ion:	198	Resp:	327574
Ion Ratio	Lower	Upper	
198	100		
51	35.4	77.1	117.1#
105	42.9	44.8	84.8#

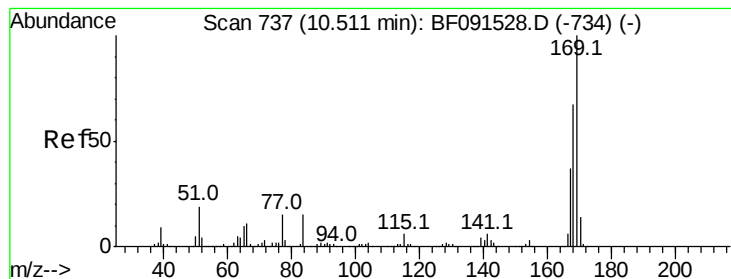


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





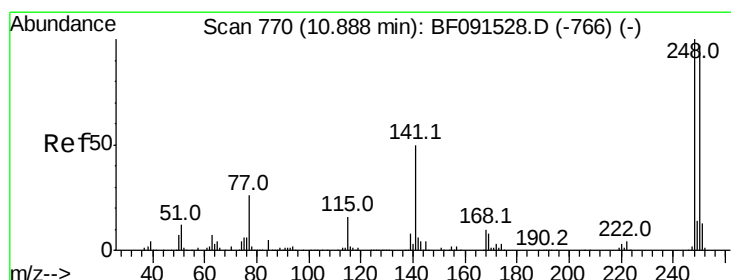
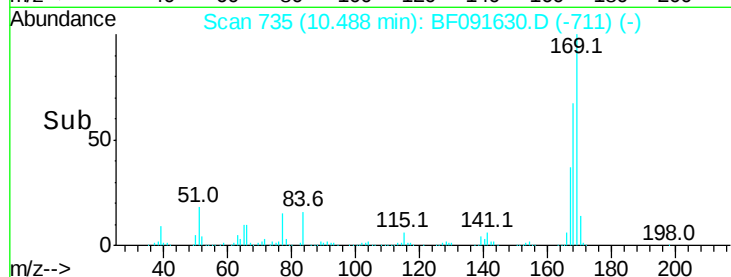
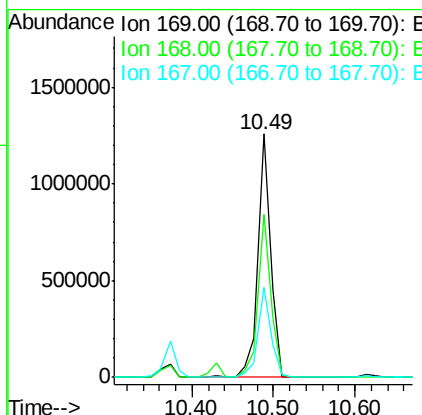
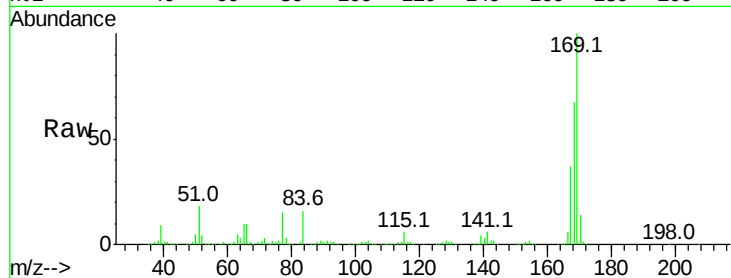
#65
n-Nitrosodiphenylamine
Concen: 43.29 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.02 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Instrument :
BNA_F
ClientSampleId :
PB95365BS

Tot Ion:169 Resp: 1358527
Ion Ratio Lower Upper
169 100
168 67.1 53.8 80.8
167 37.1 29.8 44.8

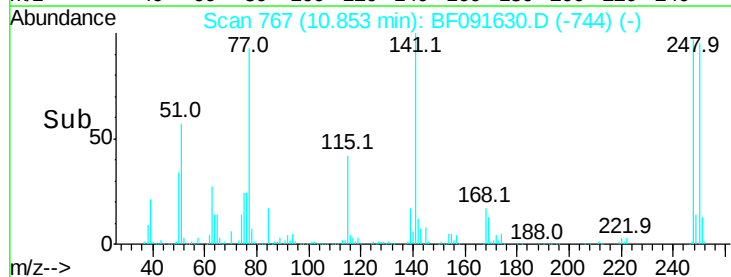
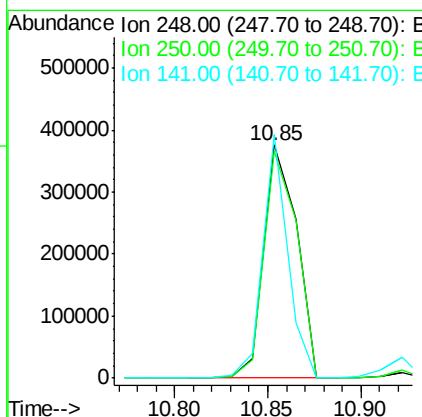
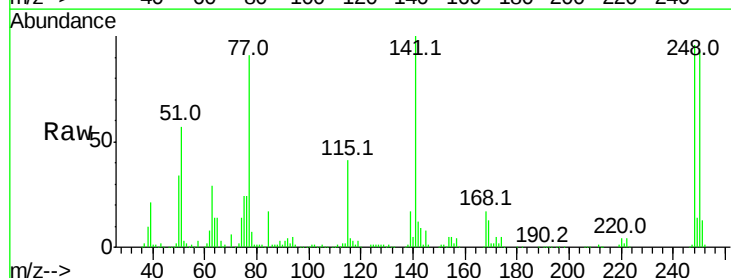
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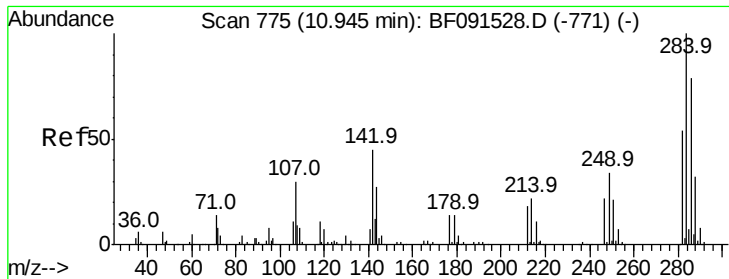
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#66
4-Bromophenyl-phenylether
Concen: 42.45 ng
RT: 10.85 min Scan# 767
Delta R.T. -0.03 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tgt Ion:248 Resp: 458083
Ion Ratio Lower Upper
248 100
250 97.4 78.2 117.4
141 104.5 71.9 107.9





#67

Hexachlorobenzene

Concen: 42.46 ng

RT: 10.92 min Scan# 773

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Instrument :

BNA_F

ClientSampleId :

PB95365BS

Tot Ion:284 Resp: 476425
Ion Ratio Lower Upper

284 100

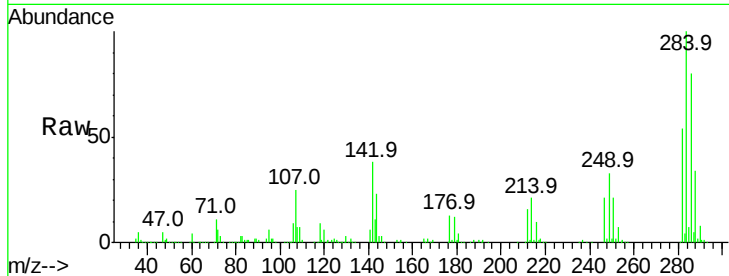
142 38.3 17.9 26.9#

249 33.4 23.6 35.4

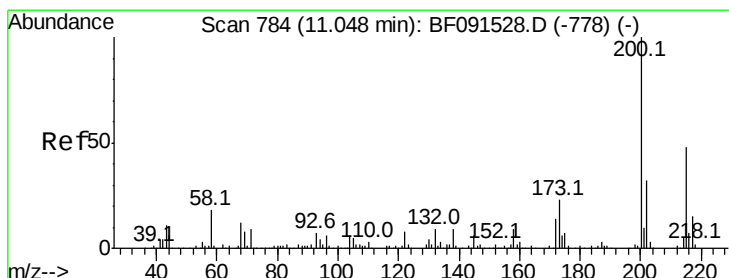
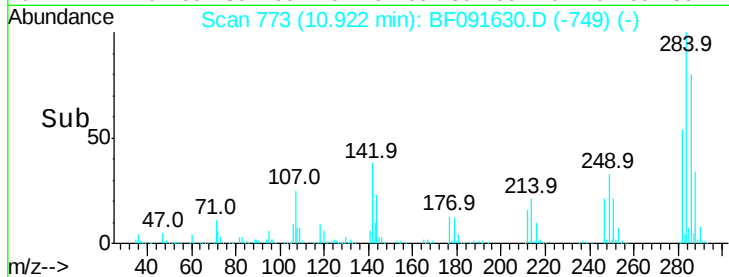
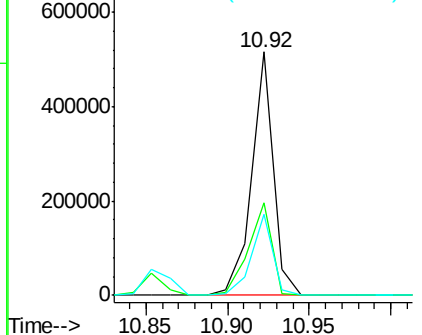
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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 47.79 ng

RT: 11.02 min Scan# 782

Delta R.T. -0.02 min

Lab File: BF091630.D

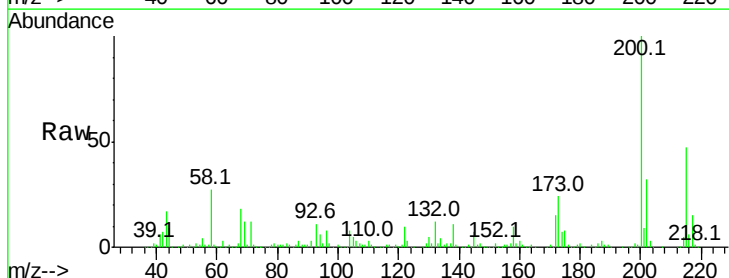
Acq: 15 Dec 2016 16:05

Tgt Ion:200 Resp: 482153
Ion Ratio Lower Upper

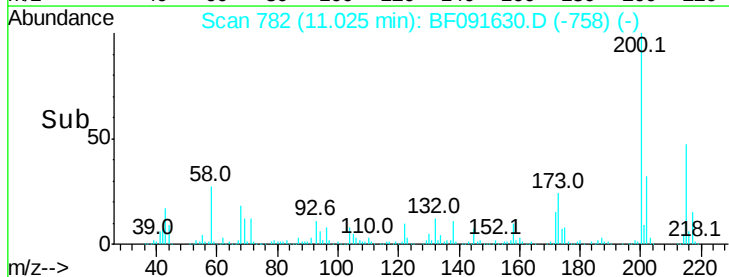
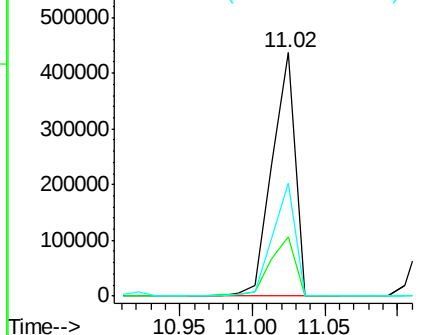
200 100

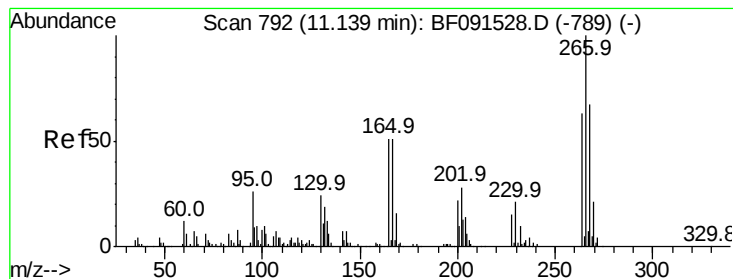
173 24.5 7.8 47.8

215 46.5 24.3 64.3



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 82.15 ng

RT: 11.12 min Scan# 790

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Instrument :

BNA_F

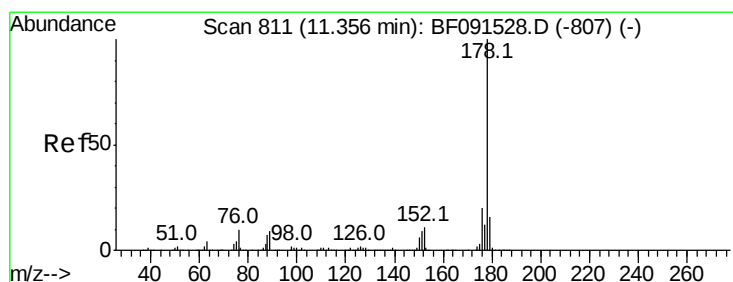
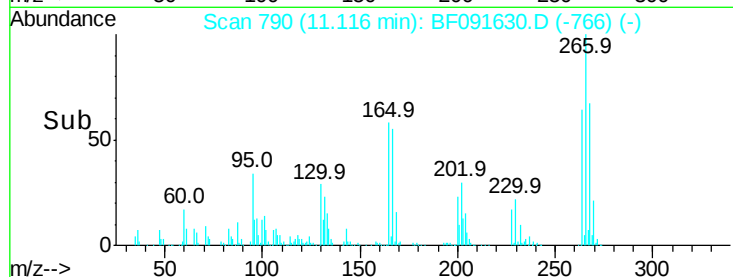
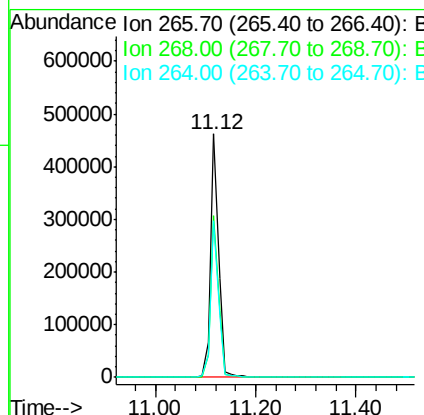
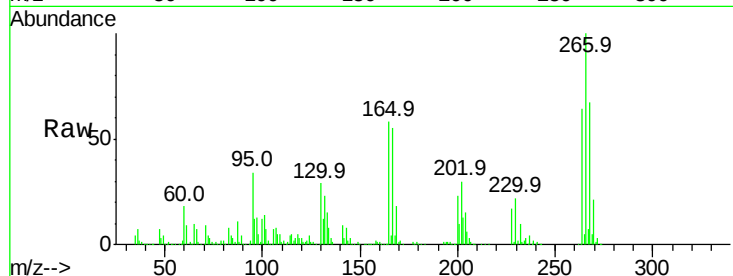
ClientSampleId :

PB95365BS

Tot Ion:	266	Resp:	518766
Ion Ratio	Lower	Upper	
266	100		
268	66.6	50.3	75.5
264	64.2	48.2	72.2

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#70

Phenanthrene

Concen: 43.83 ng

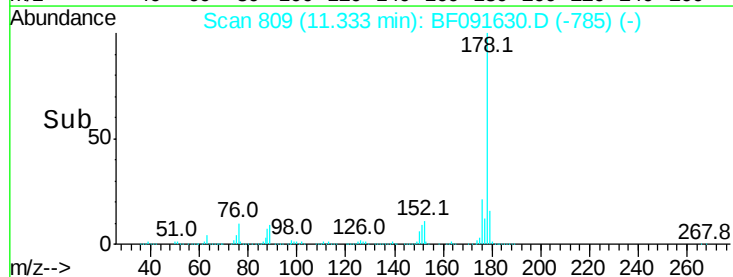
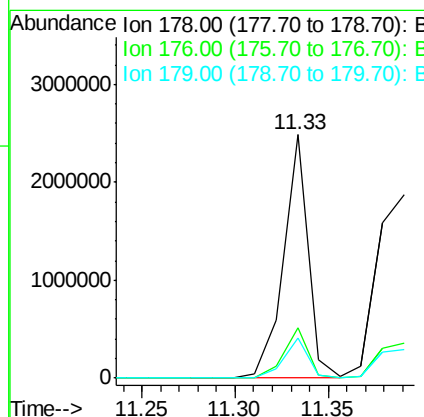
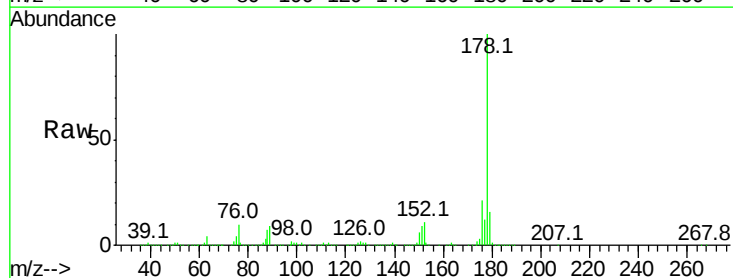
RT: 11.33 min Scan# 809

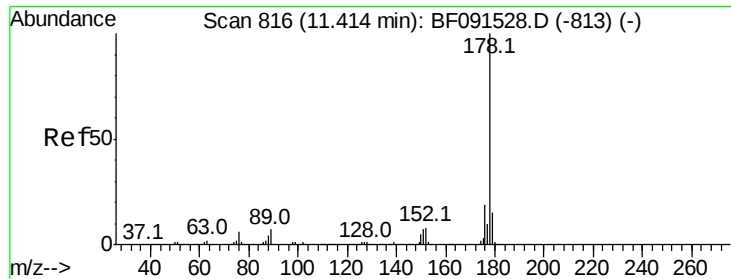
Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Tgt Ion:	178	Resp:	2284350
Ion Ratio	Lower	Upper	
178	100		
176	20.8	15.9	23.9
179	16.5	12.6	18.8





#71

Anthracene

Concen: 44.09 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Instrument :

BNA_F

ClientSampleId :

PB95365BS

Tot Ion:178 Resp: 2479010

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.6

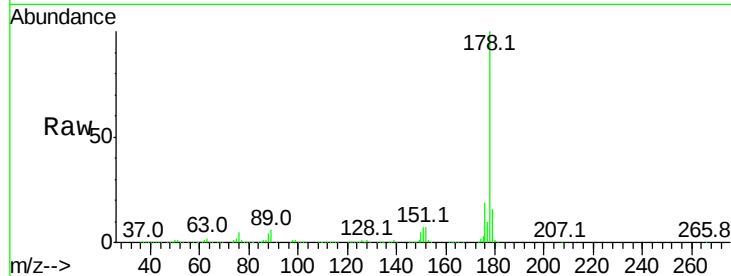
179 15.7 12.7 19.1

Manual Integrations

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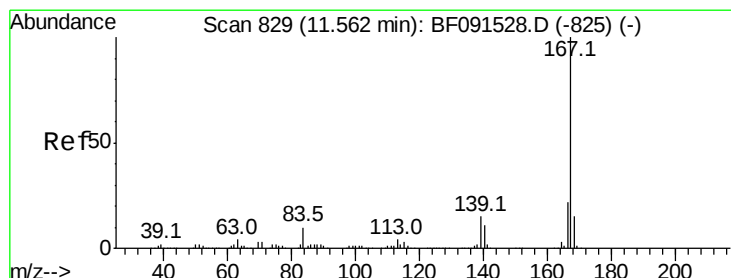
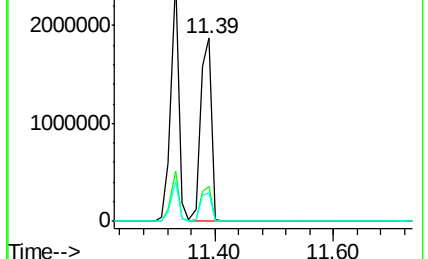
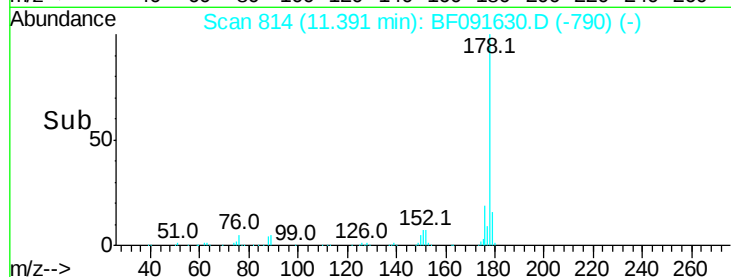
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 40.28 ng

RT: 11.54 min Scan# 827

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

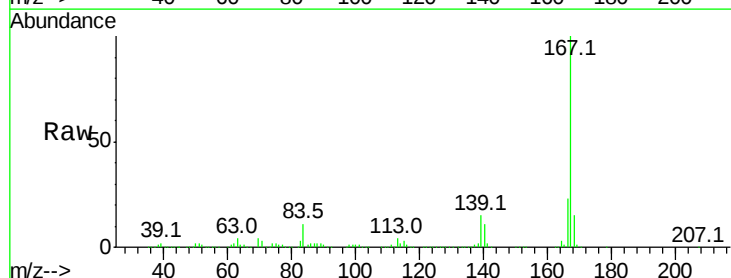
Tgt Ion:167 Resp: 1985015

Ion Ratio Lower Upper

167 100

166 22.5 18.1 27.1

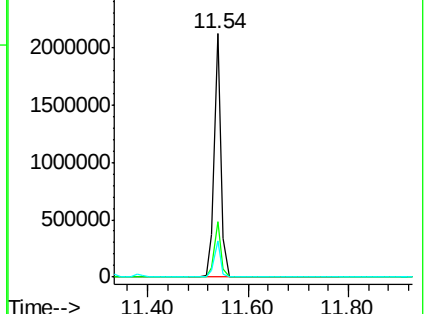
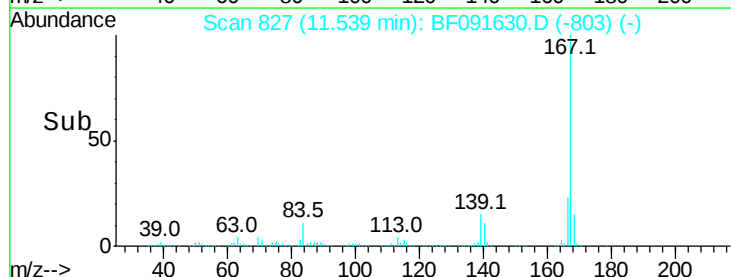
139 14.7 11.5 17.3

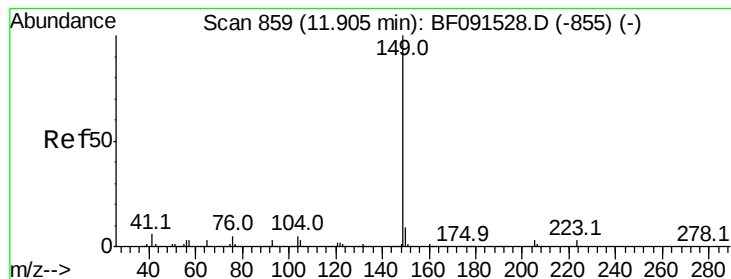


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





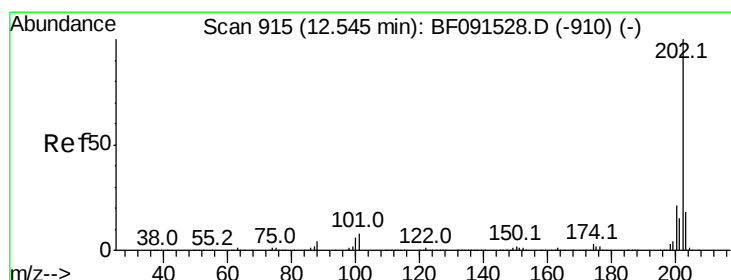
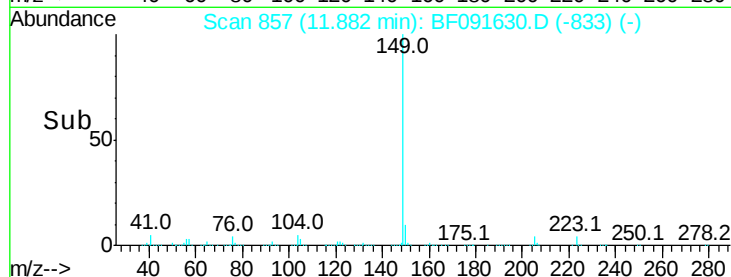
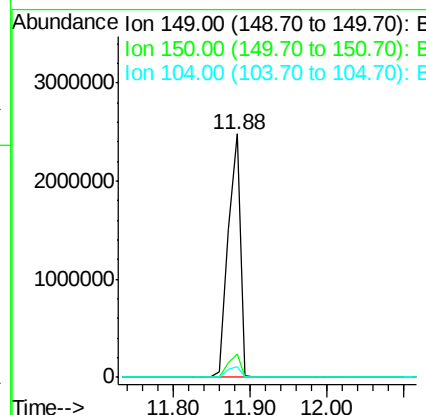
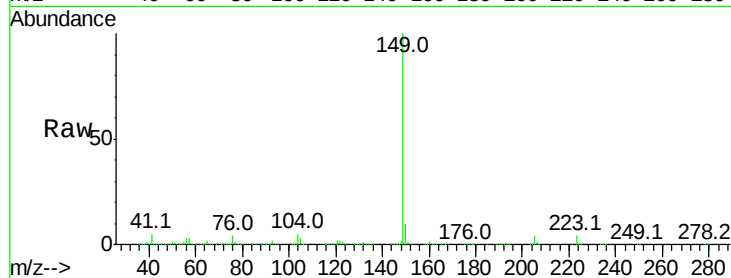
#73
Di-n-butylphthalate
Concen: 48.50 ng
RT: 11.88 min Scan# 857
Delta R.T. -0.02 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Instrument :
BNA_F
ClientSampleId :
PB95365BS

Tot Ion:149 Resp: 2784692
Ion Ratio Lower Upper
149 100
150 9.7 7.5 11.3
104 4.5 4.0 6.0

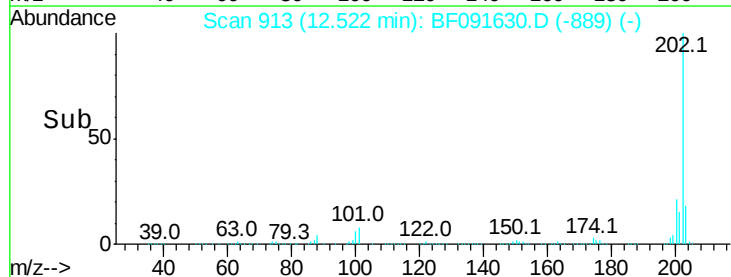
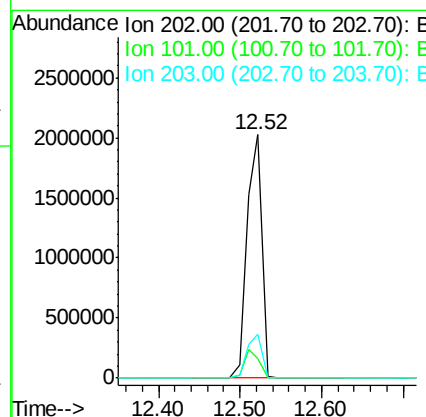
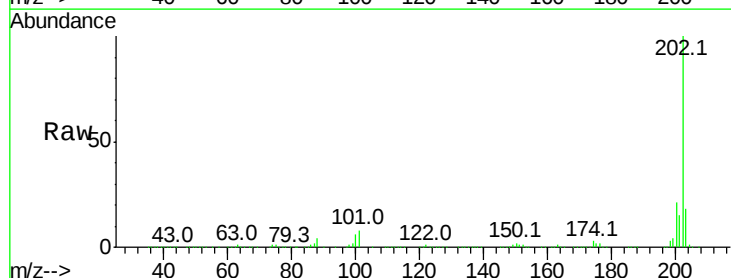
Manual Integrations
APPROVED

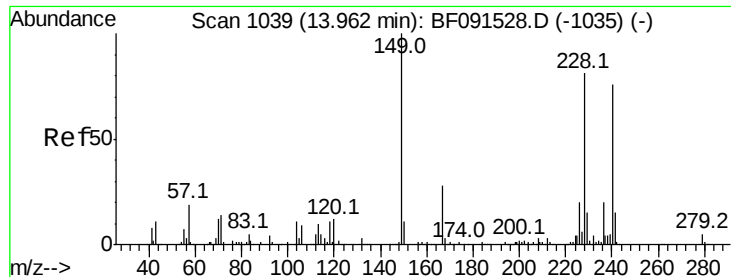
UMANGI
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#74
Fluoranthene
Concen: 46.65 ng
RT: 12.52 min Scan# 913
Delta R.T. -0.02 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tgt Ion:202 Resp: 2546296
Ion Ratio Lower Upper
202 100
101 8.3 0.0 29.5
203 18.1 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Instrument :

BNA_F

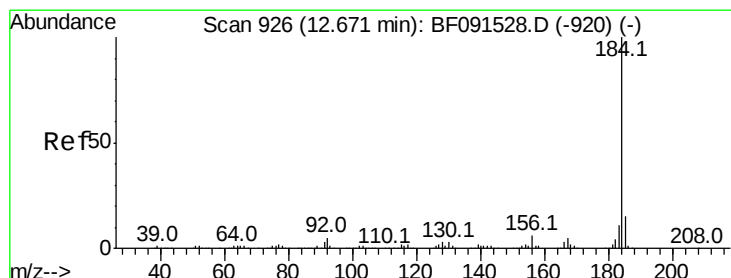
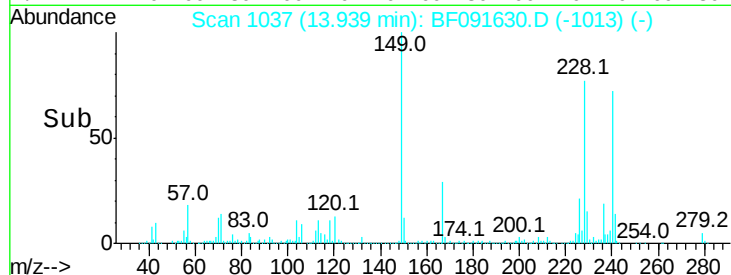
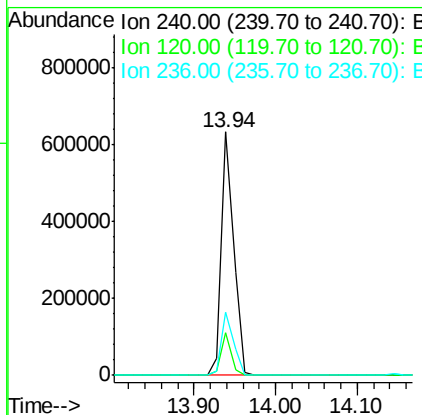
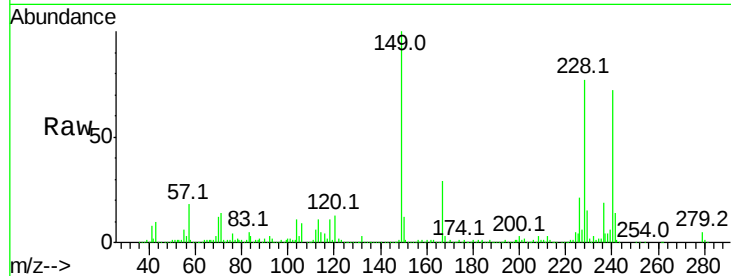
ClientSampleId :

PB95365BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	17.7	12.1	18.1
236	26.1	21.0	31.6

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#76

Benzidine

Concen: 18.73 ng

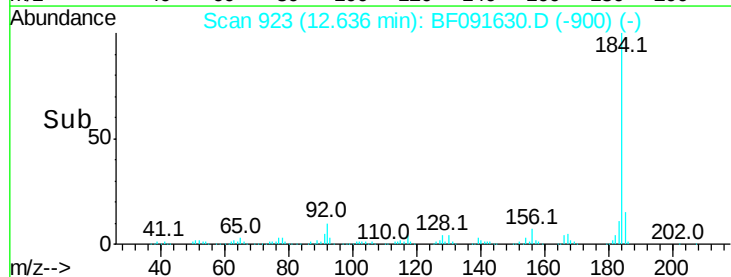
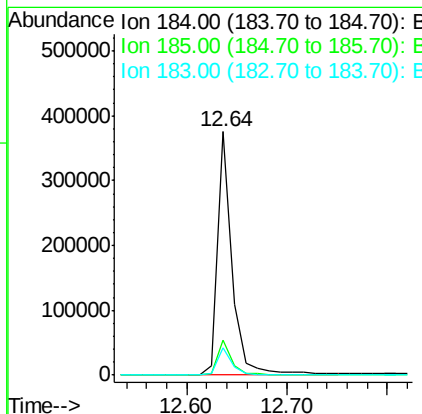
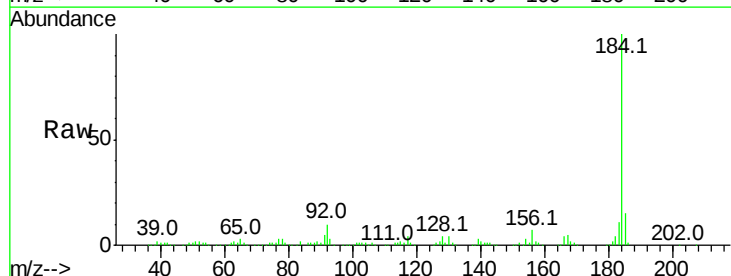
RT: 12.64 min Scan# 923

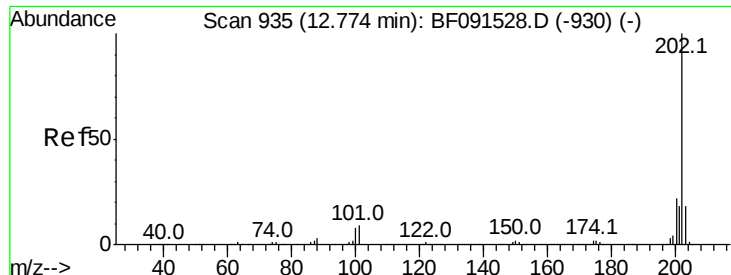
Delta R.T. -0.03 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.6	13.1	19.7
183	11.1	8.9	13.3





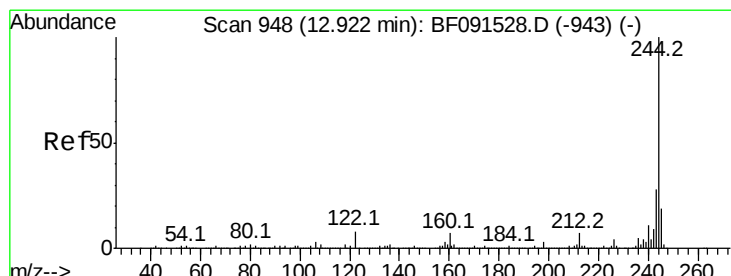
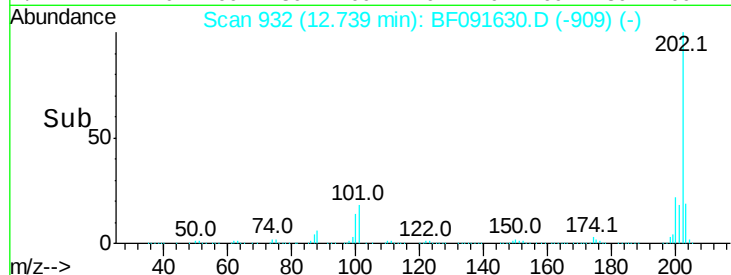
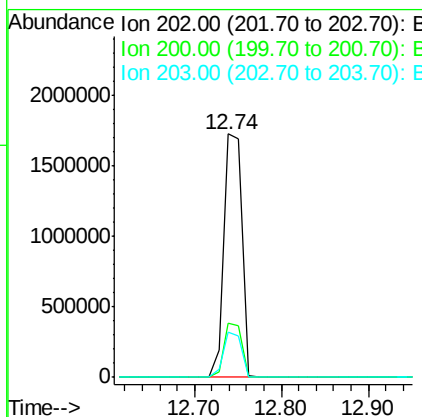
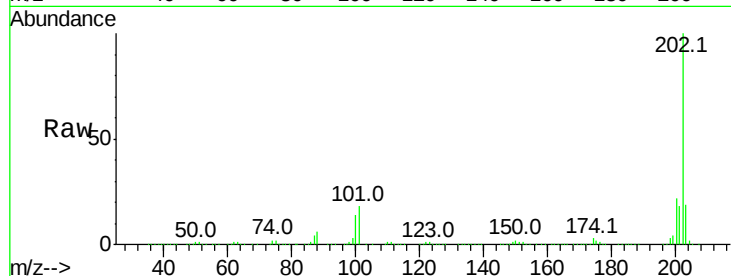
#77
Pvrene
Concen: 47.75 ng
RT: 12.74 min Scan# 932
Delta R.T. -0.03 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Instrument :
BNA_F
ClientSampleId :
PB95365BS

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.6	26.4
203	18.8	14.0	21.0

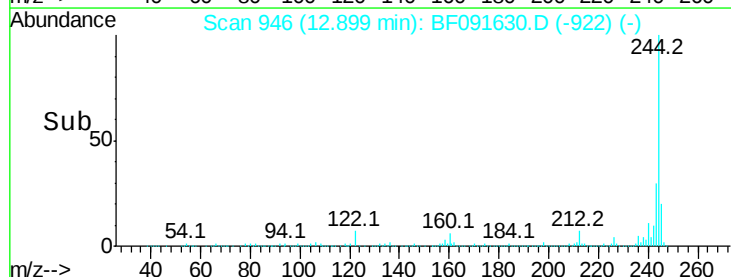
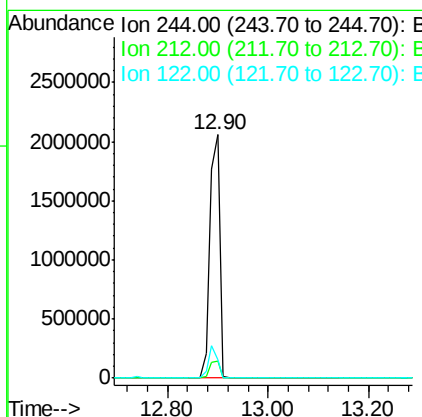
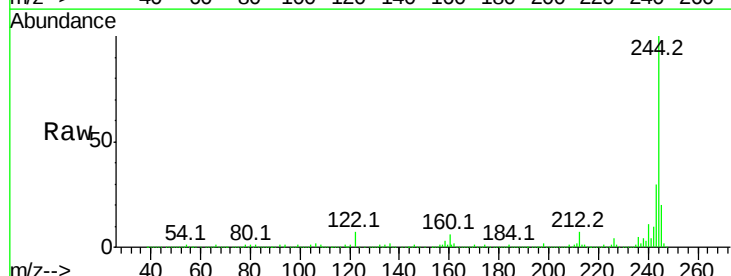
Manual Integrations
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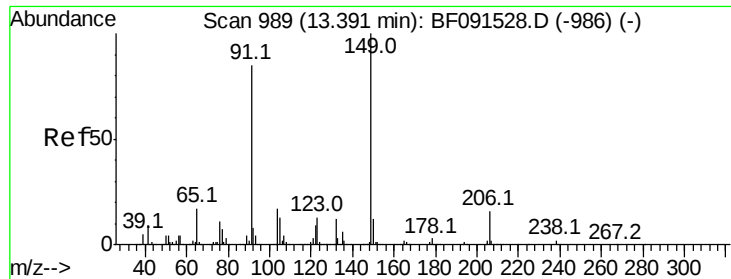
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#78
Terphenyl-d14
Concen: 96.52 ng
RT: 12.90 min Scan# 946
Delta R.T. -0.02 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.5	9.7
122	7.4	9.5	14.3#





#79

Butylbenzylphthalate

Concen: 51.67 ng

RT: 13.37 min Scan# 987

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Instrument :

BNA_F

ClientSampled :

PB95365BS

Tot Ion:149 Resp: 1054456

Ion Ratio Lower Upper

149 100

91 80.8 57.4 86.2

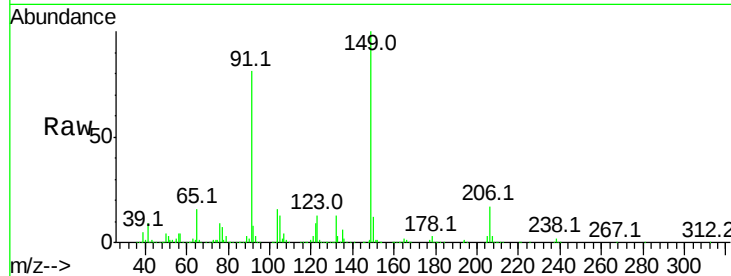
206 17.1 15.4 23.2

Manual Integrations

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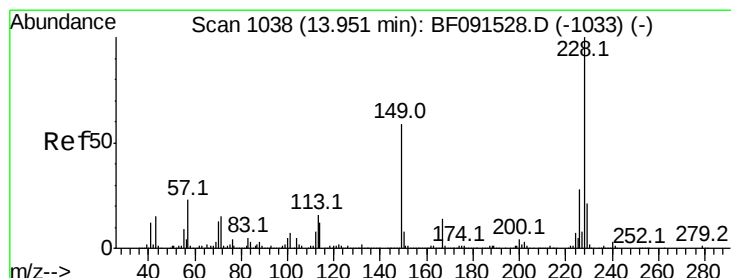
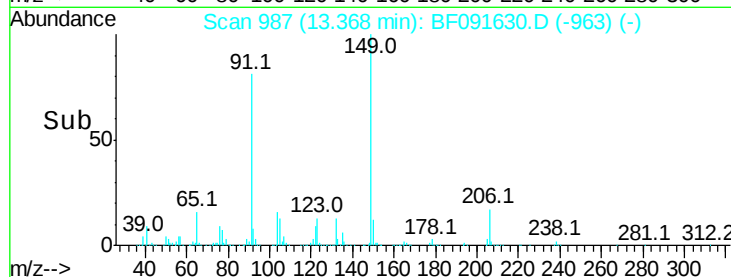
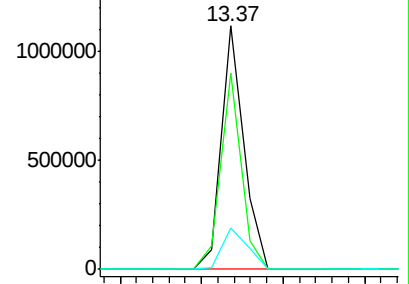
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 47.51 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

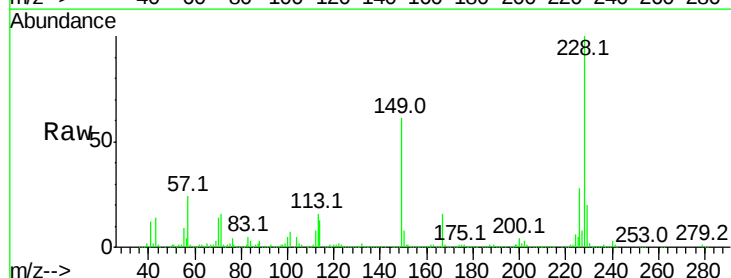
Tgt Ion:228 Resp: 1820858

Ion Ratio Lower Upper

228 100

226 28.1 22.5 33.7

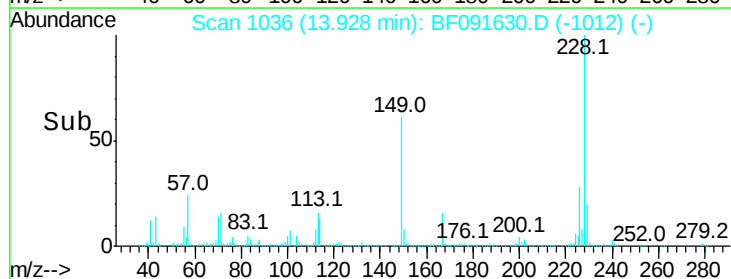
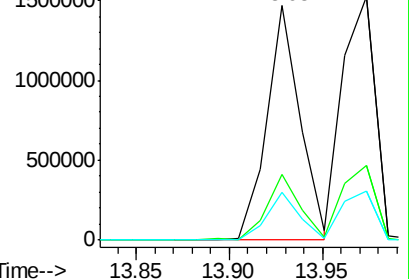
229 20.5 16.4 24.6

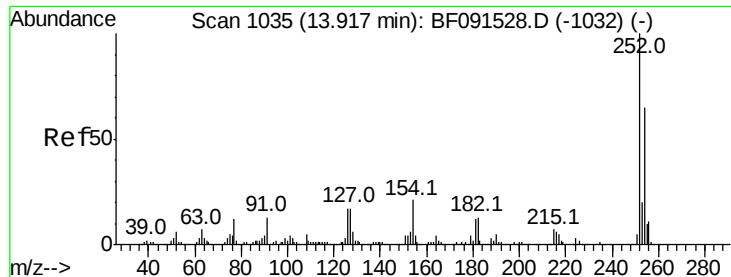


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





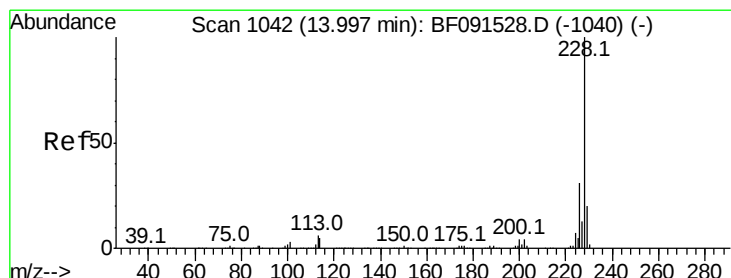
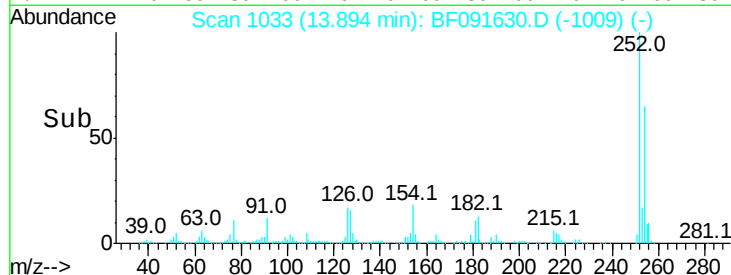
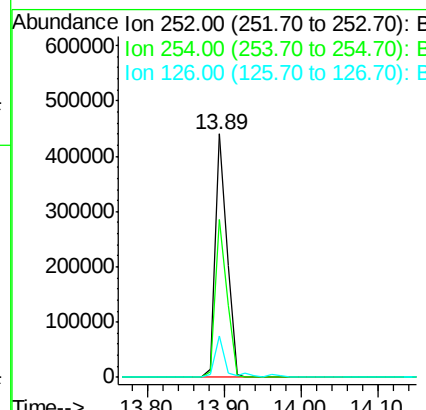
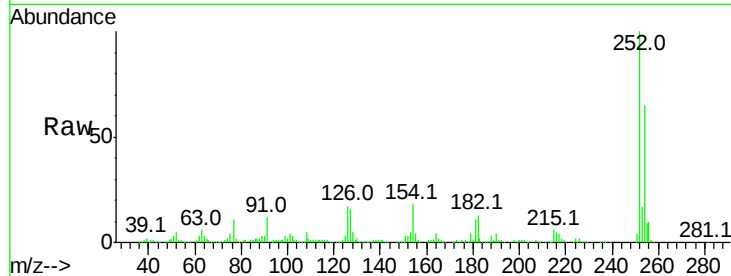
#81
 3,3'-Dichlorobenzidine
 Concen: 33.45 ng
 RT: 13.89 min Scan# 1033
 Delta R.T. -0.02 min
 Lab File: BF091630.D
 Acq: 15 Dec 2016 16:05

Instrument :
 BNA_F
 ClientSampleId :
 PB95365BS

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.7	52.1	78.1
126	16.9	7.5	11.3

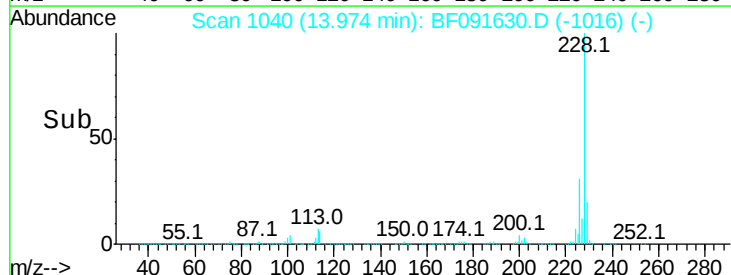
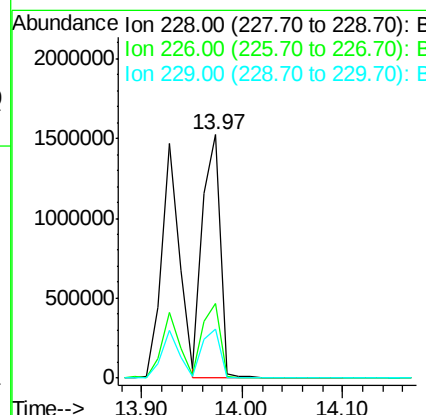
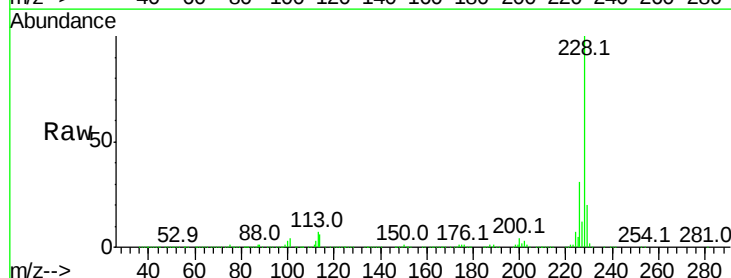
Manual Integrations
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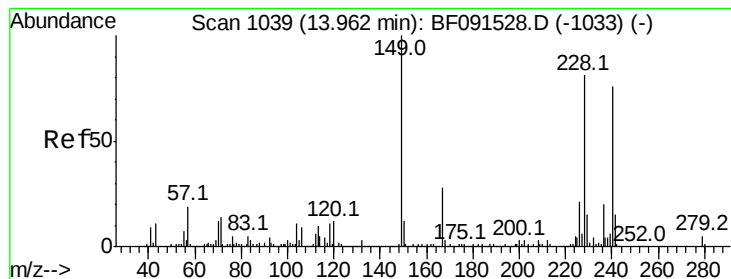
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#82
 Chrysene
 Concen: 46.82 ng
 RT: 13.97 min Scan# 1040
 Delta R.T. -0.02 min
 Lab File: BF091630.D
 Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.4
229	20.0	16.0	24.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 48.20 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

Instrument :

BNA_F

ClientSampleId :

PB95365BS

Tot Ion:149 Resp: 1261946

Ion Ratio Lower Upper

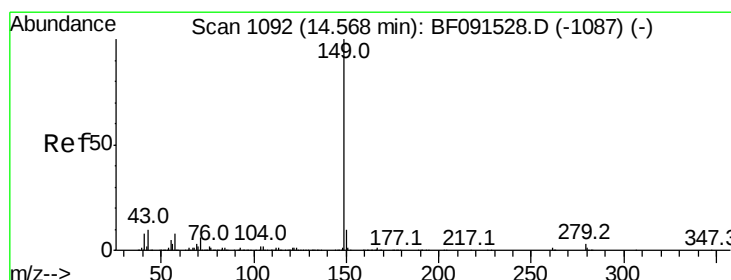
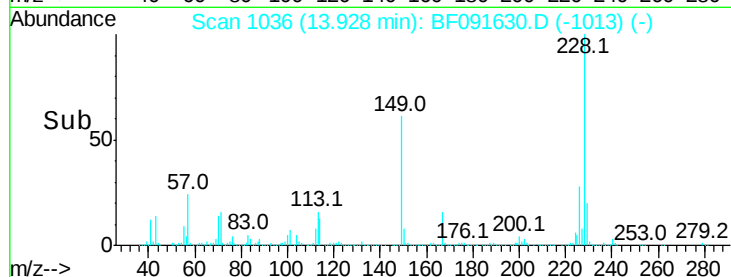
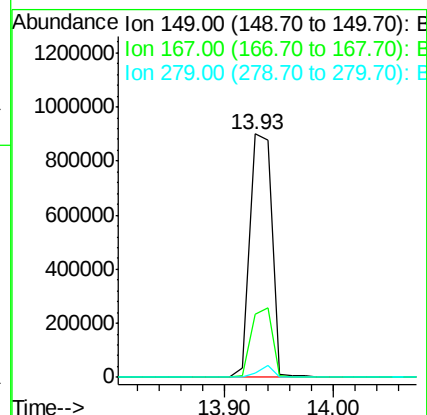
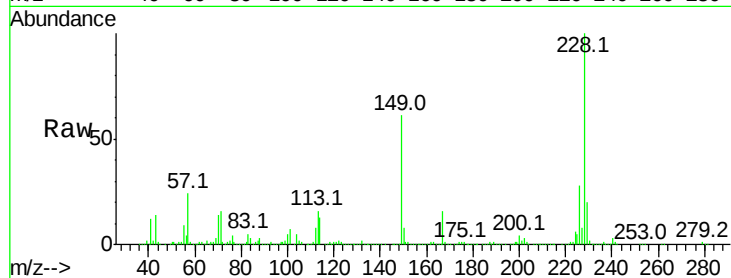
149 100

167 25.7 19.6 29.4

279 2.0 1.9 2.9

Manual Integrations
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#84

Di-n-octyl phthalate

Concen: 52.29 ng

RT: 14.55 min Scan# 1090

Delta R.T. -0.02 min

Lab File: BF091630.D

Acq: 15 Dec 2016 16:05

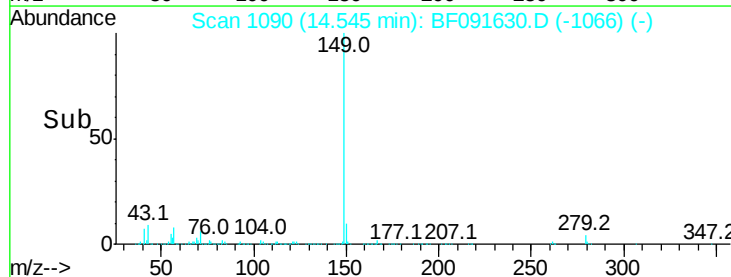
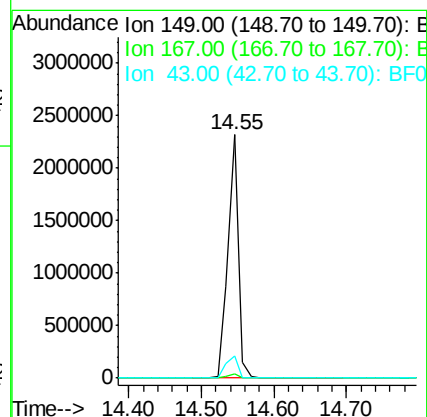
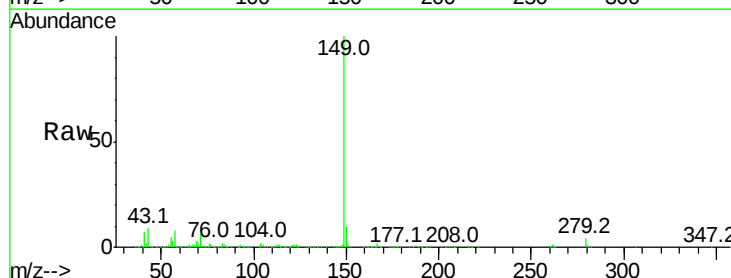
Tgt Ion:149 Resp: 2323876

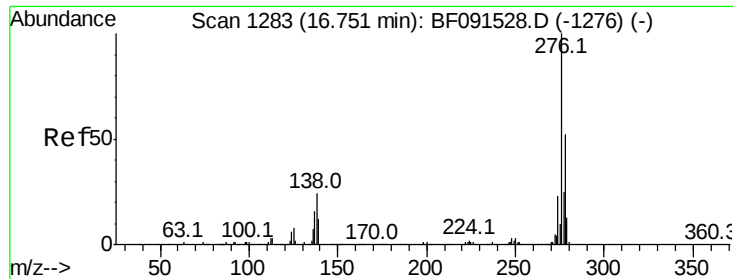
Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 11.0 11.9 17.9#





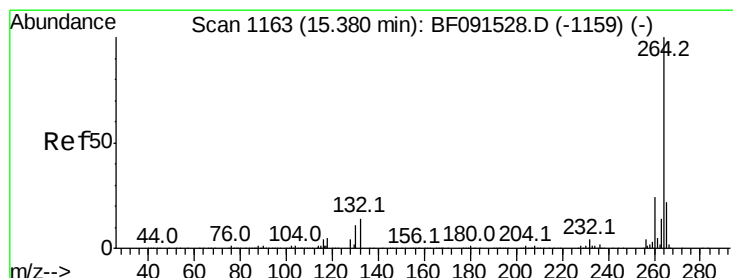
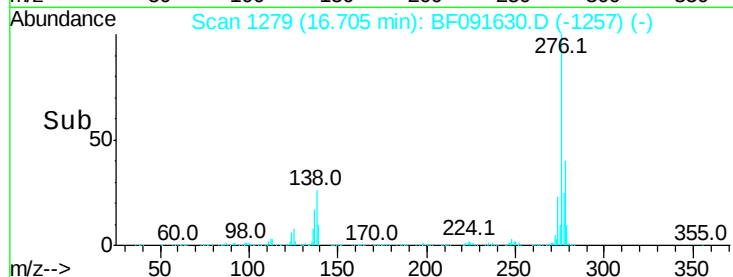
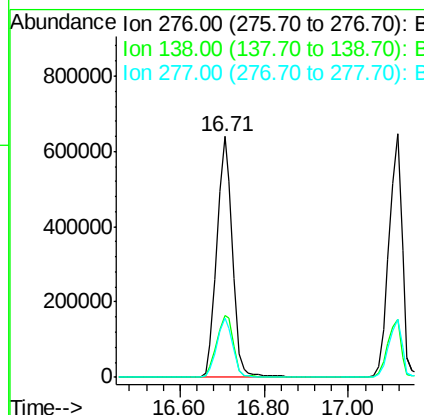
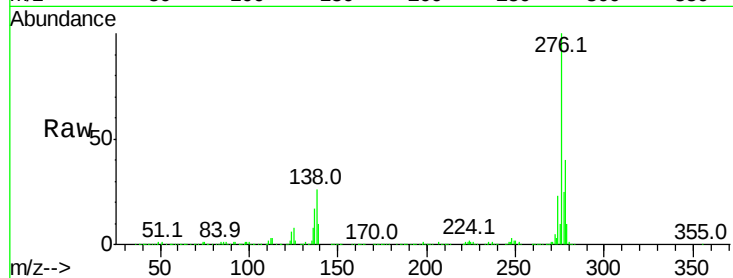
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 46.20 ng
 RT: 16.71 min Scan# 1279
 Delta R.T. -0.05 min
 Lab File: BF091630.D
 Acq: 15 Dec 2016 16:05

Instrument :
 BNA_F
 ClientSampleId :
 PB95365BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	21.0	31.4
277	24.9	20.2	30.2

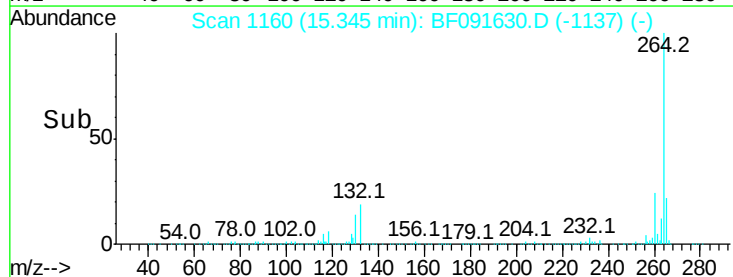
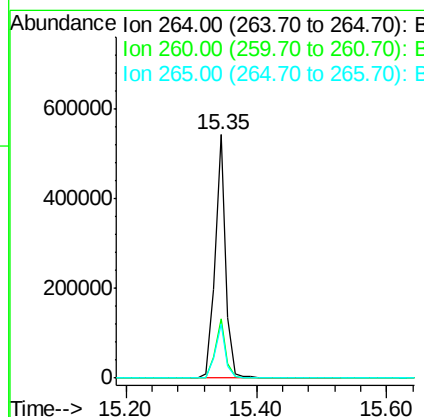
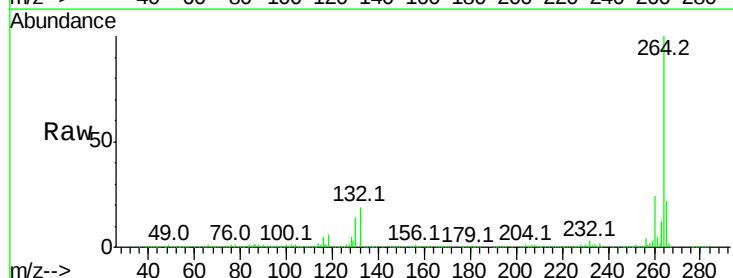
Manual Integrations
 APPROVED

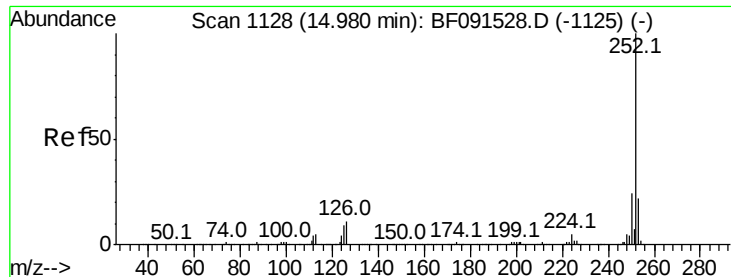
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 1160
 Delta R.T. -0.03 min
 Lab File: BF091630.D
 Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	22.1	17.0	25.6





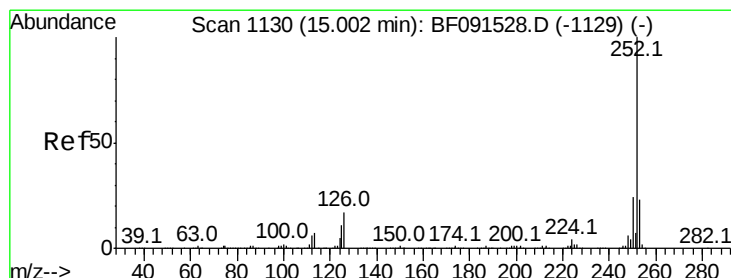
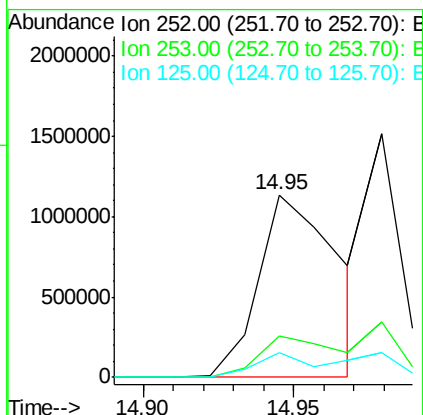
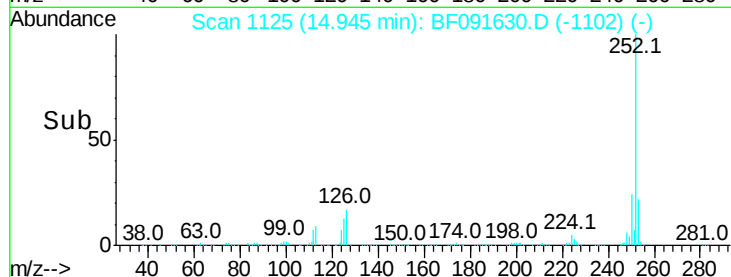
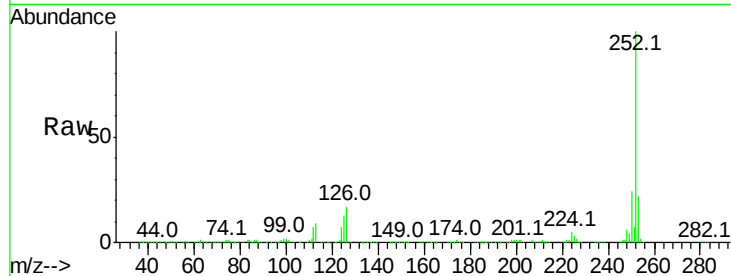
#87
Benzo(b)fluoranthene
Concen: 55.86 ng m
RT: 14.95 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Instrument :
BNA_F
ClientSampleId :
PB95365BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	13.2	8.6	13.0

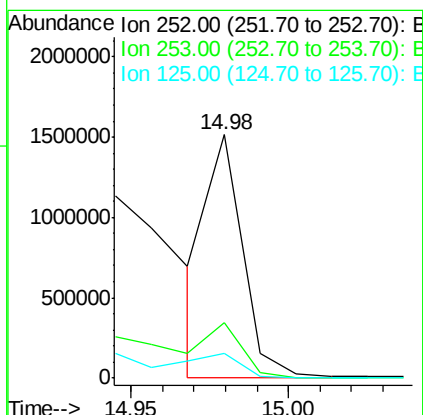
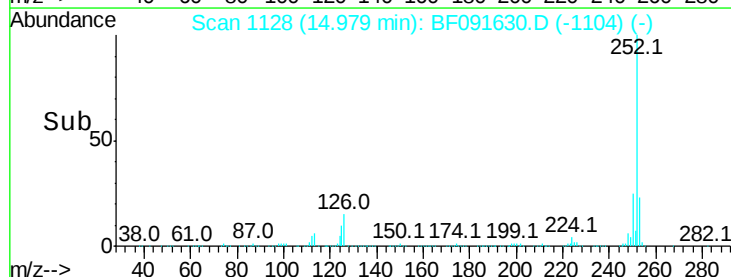
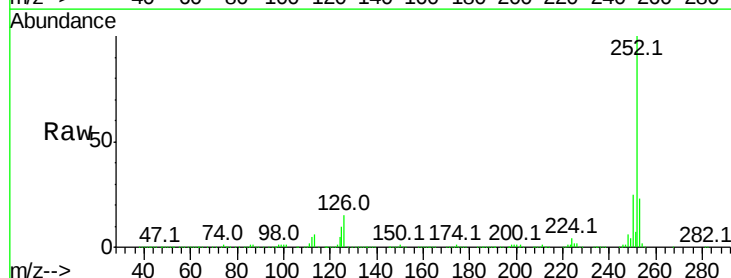
Manual Integrations
APPROVED

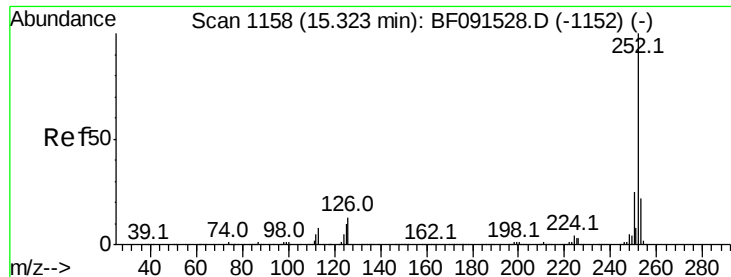
UMANGI
12/16/2016 6:23:32 PM



#88
Benzo(k)fluoranthene
Concen: 35.76 ng m
RT: 14.98 min Scan# 1128
Delta R.T. -0.02 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	10.0	9.6	14.4





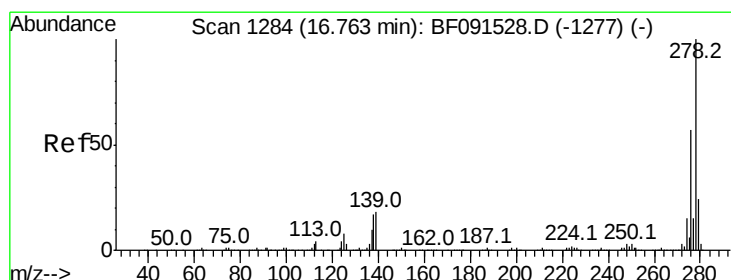
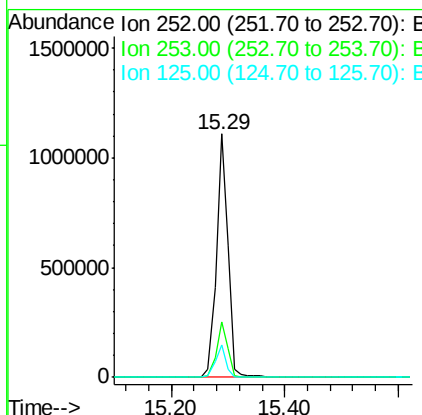
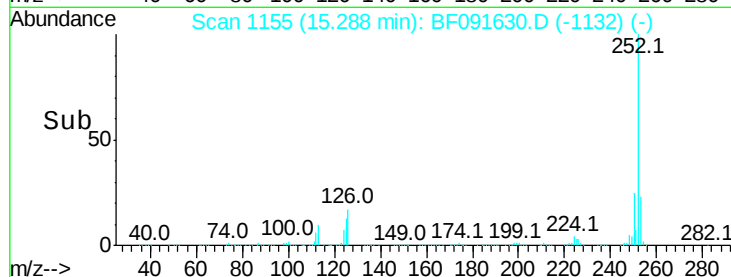
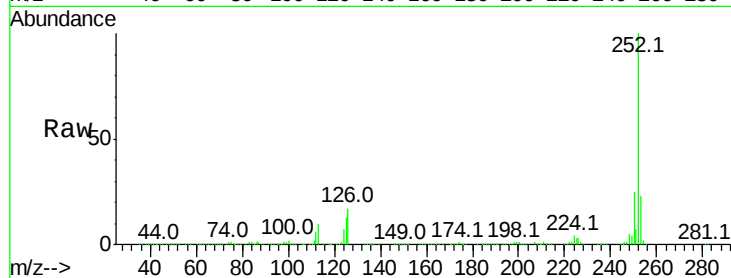
#89
Benzo(a)pyrene
Concen: 45.71 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.03 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Instrument :
BNA_F
ClientSampleId :
PB95365BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	13.3	10.4	15.6

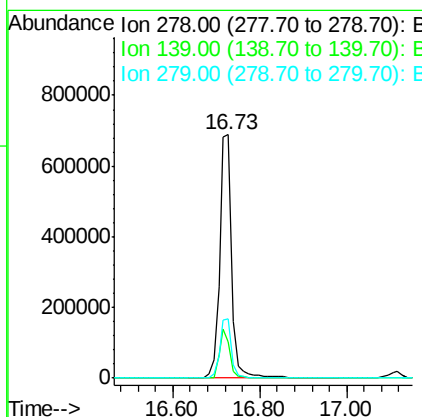
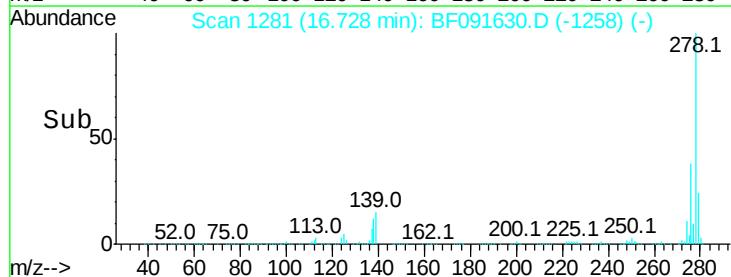
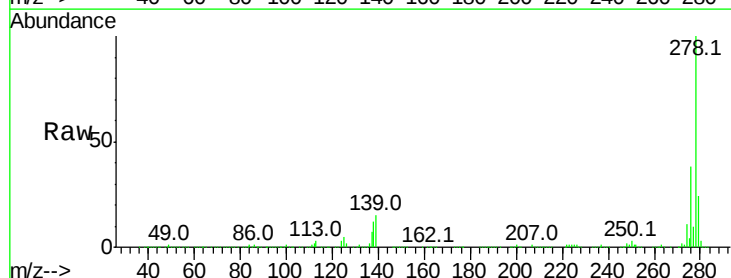
Manual Integrations
APPROVED

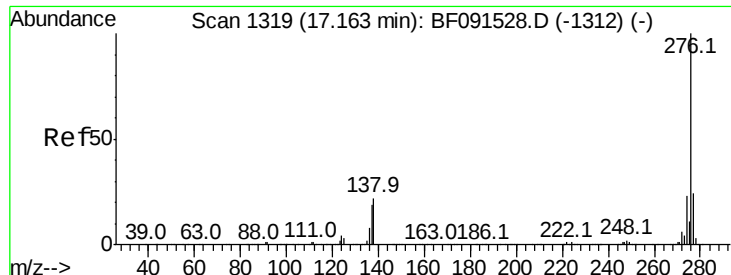
UMANGI
12/16/2016 6:23:32 PM



#90
Dibenzo(a,h)anthracene
Concen: 44.96 ng
RT: 16.73 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF091630.D
Acq: 15 Dec 2016 16:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.8	15.1	22.7#
279	24.4	19.0	28.6





#91
 Benzo(a,h,i)perylene
 Concen: 46.81 ng
 RT: 17.12 min Scan# 1315
 Delta R.T. -0.05 min
 Lab File: BF091630.D
 Acq: 15 Dec 2016 16:05

Instrument :
 BNA_F
 ClientSampleId :
 PB95365BS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	23.7	15.4	23.0

Manual Integrations
 APPROVED

UMANGI
 12/16/2016 6:23:32 PM

