

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
 Data File : BF091898.D
 Acq On : 22 Dec 2016 20:49
 Operator : UM/SJ
 Sample : H6068-05MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-5MSD

Manual Integrations
 APPROVED

SOHIL
 12/23/2016 5:54:13 PM

Quant Time: Dec 23 15:18:20 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 15:14:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	185512	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	693196	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	305003	20.00	ng	0.01
63) Phenanthrene-d10	11.29	188	424582	20.00	ng	0.02
75) Chrysene-d12	13.91	240	311446	20.00	ng	0.00
86) Perylene-d12	15.31	264	325904	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	2028602	182.59	ng	0.07
7) Phenol-d6	6.46	99	2217185	163.45	ng	0.06
23) Nitrobenzene-d5	7.33	82	1421453	114.02	ng	0.01
41) 2,4,6-Tribromophenol	10.60	330	328521	130.15	ng	0.02
44) 2-Fluorobiphenyl	9.13	172	1861090	132.18	ng	0.01
78) Terphenyl-d14	12.86	244	1353486	105.40	ng	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.37	88	243899	44.59	ng	94
3) Pyridine	3.06	79	548138	28.71	ng	97
4) n-Nitrosodimethylamine	3.02	42	376465	52.28	ng	96
6) Aniline	6.43	93	527381	29.93	ng	# 43
8) 2-Chlorophenol	6.57	128	624518	49.42	ng	85
9) Benzaldehyde	6.29	77	105359	10.64	ng	90
10) Phenol	6.48	94	904222	58.50	ng	# 68
11) bis(2-Chloroethyl)ether	6.50	93	654721	53.23	ng	100
12) 1,3-Dichlorobenzene	6.69	146	654515m	48.51	ng	
13) 1,4-Dichlorobenzene	6.77	146	665303	48.45	ng	98
14) 1,2-Dichlorobenzene	6.93	146	574112	48.18	ng	96
15) Benzyl Alcohol	6.92	79	533558	50.62	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.05	45	939780	51.31	ng	78
17) 2-Methylphenol	7.06	107	488660	48.08	ng	96
18) Hexachloroethane	7.26	117	246726	48.46	ng	93
19) n-Nitroso-di-n-propylamine	7.18	70	561551	62.23	ng	92
20) 3+4-Methylphenols	7.22	107	716779	59.13	ng	# 72
22) Acetophenone	7.17	105	917164	53.64	ng	# 93
24) Nitrobenzene	7.34	77	646181	48.67	ng	99
25) Isophorone	7.60	82	1356491	58.98	ng	# 94
26) 2-Nitrophenol	7.66	139	260150	39.73	ng	90
27) 2,4-Dimethylphenol	7.73	122	579840	53.39	ng	99
28) bis(2-Chloroethoxy)methane	7.80	93	807450	57.89	ng	95
29) 2,4-Dichlorophenol	7.93	162	475813	51.74	ng	88
30) 1,2,4-Trichlorobenzene	7.98	180	504292	50.04	ng	# 94
31) Naphthalene	8.06	128	1570158	49.49	ng	100
32) Benzoic acid	7.84	122	44973	5.58	ng	91
33) 4-Chloroaniline	8.13	127	450692	31.50	ng	94
34) Hexachlorobutadiene	8.19	225	297572	55.94	ng	98
35) Caprolactam	8.48	113	254862	84.34	ng	# 1
36) 4-Chloro-3-methylphenol	8.64	107	500602	47.31	ng	92
37) 2-Methylnaphthalene	8.76	142	1056291	65.87	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.93	216	435577	56.52	ng	98
40) Hexachlorocyclopentadiene	8.91	237	170891	51.30	ng	96

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Manual Integrations
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 12/23/2016 5:54:13 PM

Quant Time: Dec 23 15:18:20 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 15:14:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.06	196	256005	47.50	nq	97
43) 2,4,5-Trichlorophenol	9.10	196	224613	40.50	nq #	64
45) 1,1'-Biphenyl	9.23	154	1222744	58.55	nq	99
46) 2-Chloronaphthalene	9.25	162	870894	52.66	nq	99
47) 2-Nitroaniline	9.36	65	331043	56.22	nq	97
48) Acenaphthylene	9.66	152	1265138	49.74	nq	99
49) Dimethylphthalate	9.53	163	1111597	56.98	nq	98
50) 2,6-Dinitrotoluene	9.60	165	214212	50.17	nq #	86
51) Acenaphthene	9.84	154	786030	45.58	nq	99
52) 3-Nitroaniline	9.77	138	224188	42.43	nq #	99
53) 2,4-Dinitrophenol	9.87	184	5063	2.13	nq #	1
54) Dibenzofuran	10.01	168	1070739	45.98	nq	95
55) 4-Nitrophenol	9.97	139	313932m	87.50	nq	
56) 2,4-Dinitrotoluene	10.00	165	266361	49.70	nq #	96
57) Fluorene	10.35	166	860027	50.76	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.13	232	154709	35.27	nq #	83
59) Diethylphthalate	10.22	149	994536	52.50	nq	98
60) 4-Chlorophenyl-phenylether	10.34	204	372580	50.22	nq	91
61) 4-Nitroaniline	10.38	138	216182	39.48	nq	93
62) Azobenzene	10.50	77	995424	47.72	nq	98
64) 4,6-Dinitro-2-methylphenol	10.41	198	11826	4.61	nq #	1
65) n-Nitrosodiphenylamine	10.46	169	747899	59.36	nq	92
66) 4-Bromophenyl-phenylether	10.83	248	234271	53.04	nq	93
67) Hexachlorobenzene	10.90	284	223665	47.38	nq #	73
68) Atrazine	11.00	200	266240	65.51	nq	98
69) Pentachlorophenol	11.10	266	147751	63.78	nq	98
70) Phenanthrene	11.31	178	1204896	52.34	nq	98
71) Anthracene	11.36	178	1114446	63.34	nq	100
72) Carbazole	11.53	167	1010724	47.38	nq	99
73) Di-n-butylphthalate	11.85	149	1439956	68.11	nq	99
74) Fluoranthene	12.49	202	1025723	51.32	nq	96
76) Benzidine	12.61	184	209907	23.22	nq	96
77) Pyrene	12.72	202	1114083	48.75	nq	100
79) Butylbenzylphthalate	13.33	149	531659	51.16	nq	97
80) Benzo(a)anthracene	13.91	228	892980	50.79	nq	99
81) 3,3'-Dichlorobenzidine	13.87	252	286981	43.05	nq #	94
82) Chrysene	13.94	228	945178	53.60	nq	98
83) Bis(2-ethylhexyl)phthalate	13.89	149	733899	59.96	nq	99
84) Di-n-octyl phthalate	14.51	149	1348292	59.47	nq	98
85) Indeno(1,2,3-cd)pyrene	16.65	276	811001	53.09	nq	98
87) Benzo(b)fluoranthene	14.91	252	1203760m	59.33	nq	
88) Benzo(k)fluoranthene	14.95	252	661459m	38.23	nq	
89) Benzo(a)pyrene	15.25	252	878822	48.80	nq #	97
90) Dibenzo(a,h)anthracene	16.66	278	681863	46.06	nq	99
91) Benzo(g,h,i)perylene	17.05	276	658095	42.76	nq	97

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

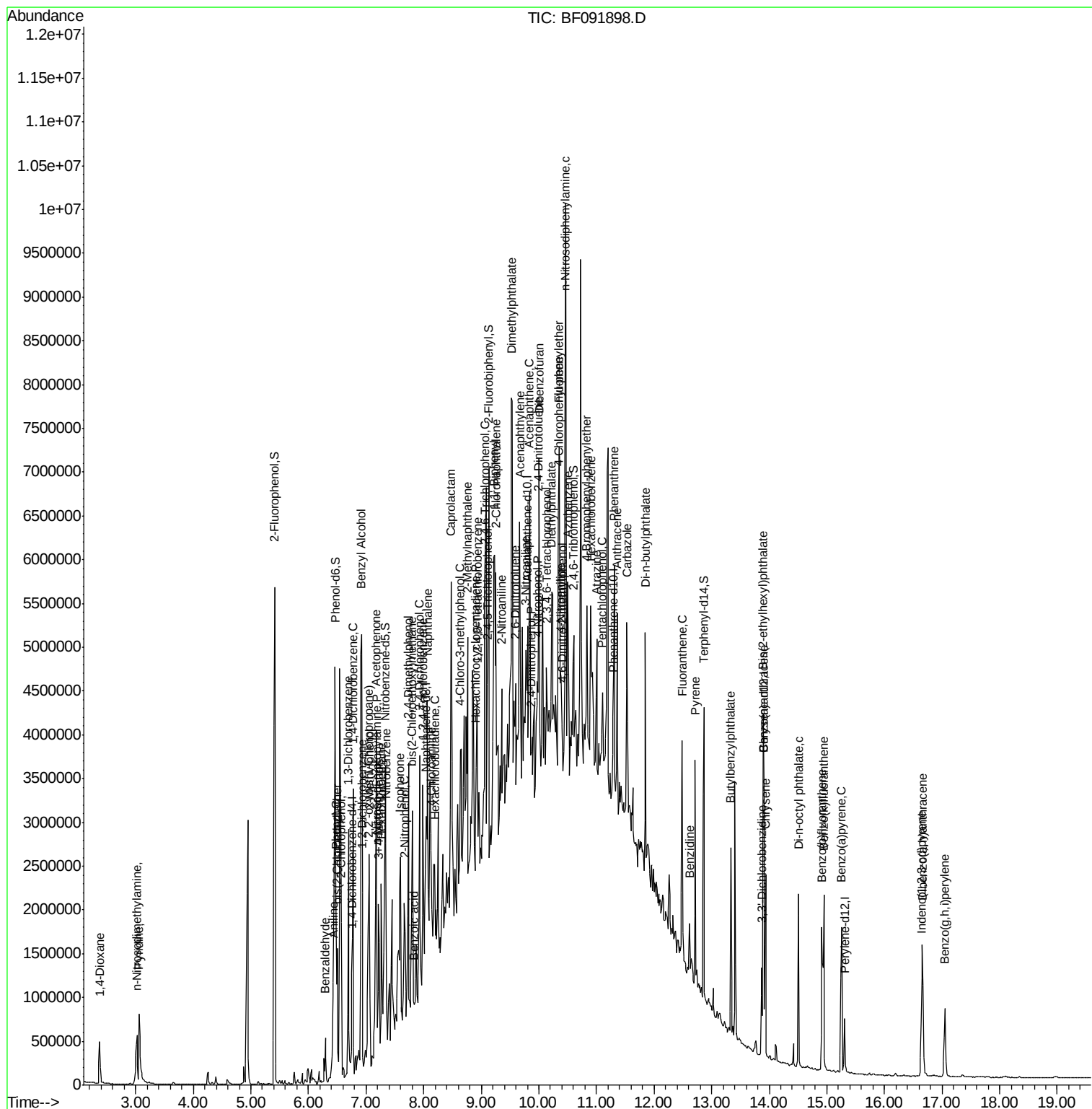
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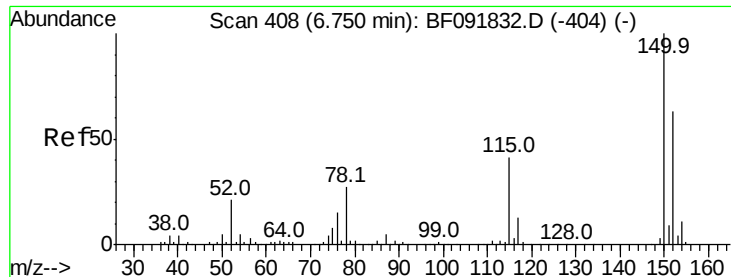
Instrument :
 BNA_F
 ClientSampled :
 B-5MSD

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

ClientSampled :

B-5MSD

Tot Ion:152 Resp: 185512

Ion Ratio Lower Upper

152 100

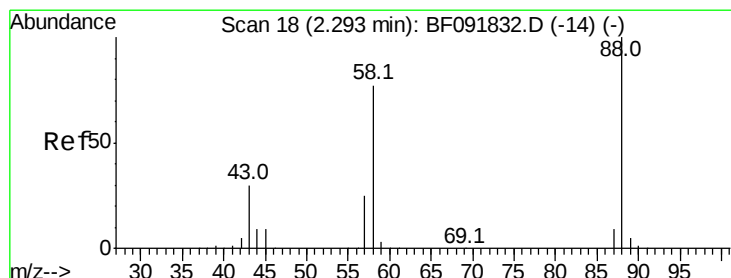
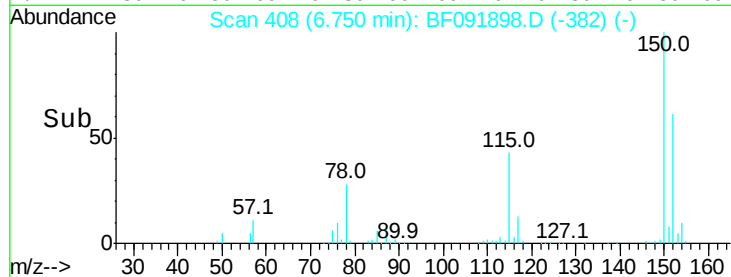
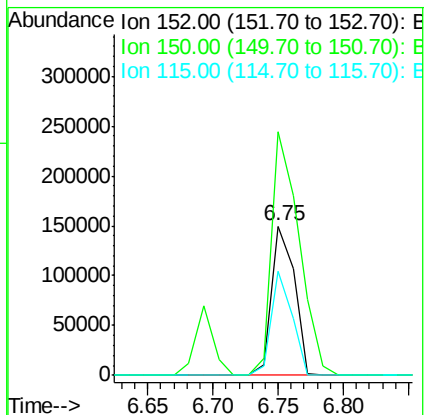
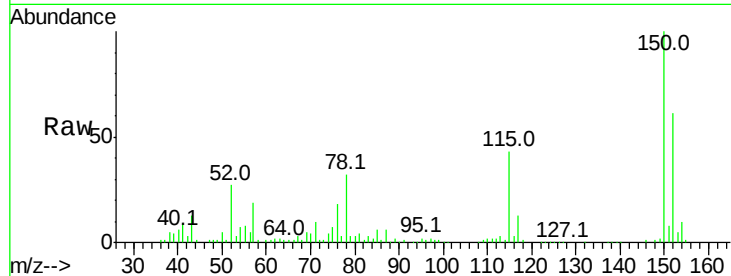
150 163.1 124.9 187.3

115 69.5 46.0 69.0

Manual Integrations
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#2

1,4-Dioxane

Concen: 44.59 ng

RT: 2.37 min Scan# 25

Delta R.T. 0.08 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

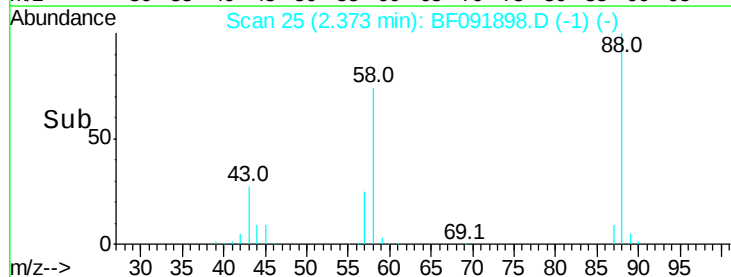
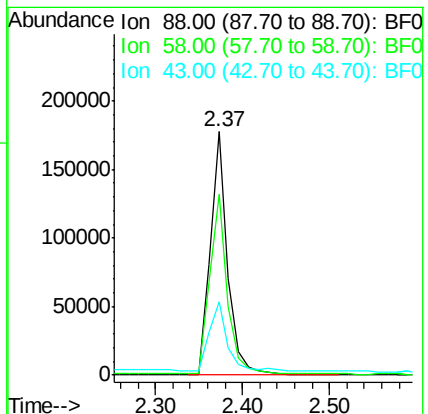
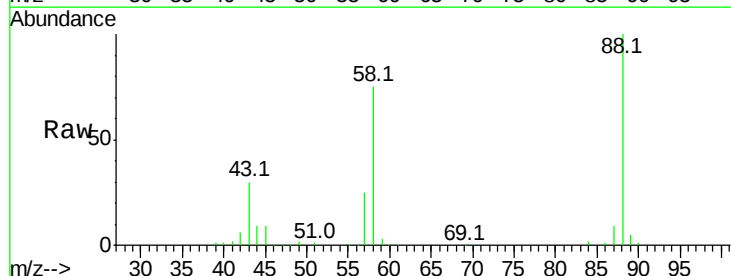
Tgt Ion: 88 Resp: 243899

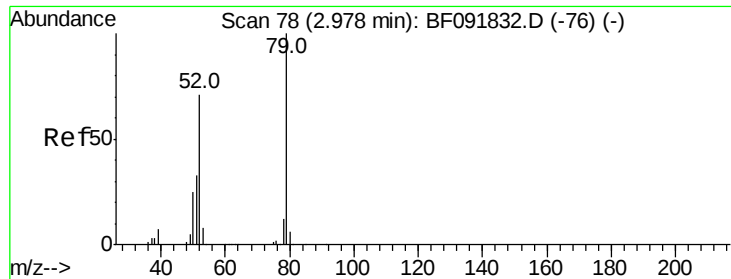
Ion Ratio Lower Upper

88 100

58 76.7 57.8 86.8

43 31.4 22.3 33.5





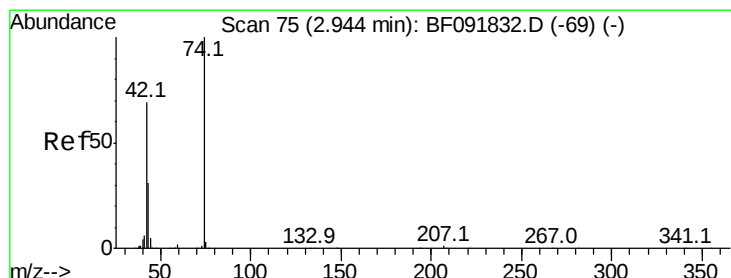
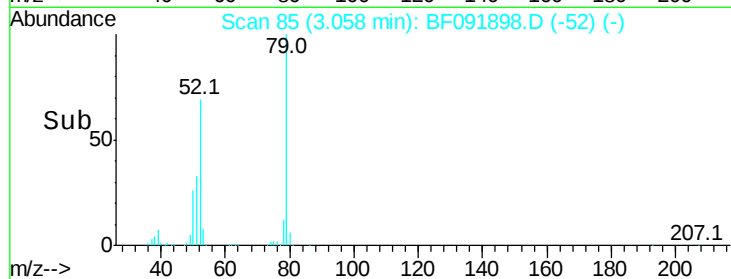
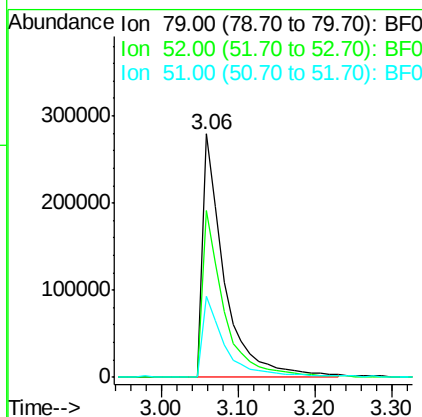
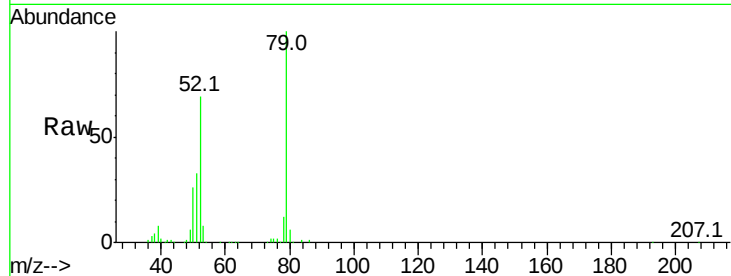
#3
 Pvridine
 Concen: 28.71 ng
 RT: 3.06 min Scan# 85
 Delta R.T. 0.08 min
 Lab File: BF091898.D
 Acq: 22 Dec 2016 20:49

Instrument :
 BNA_F
 ClientSampleId :
 B-5MSD

Tot Ion	Ion	Ratio	Lower	Upper
79	100			
52	68.7	57.1	85.7	
51	33.2	27.3	40.9	

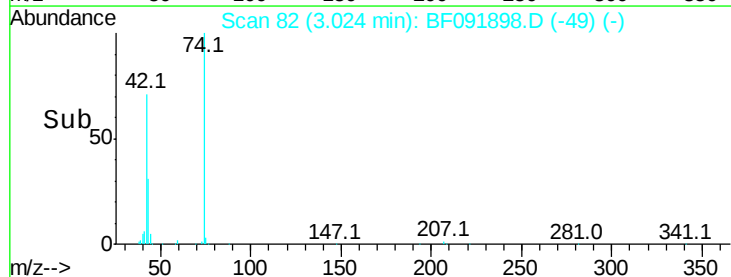
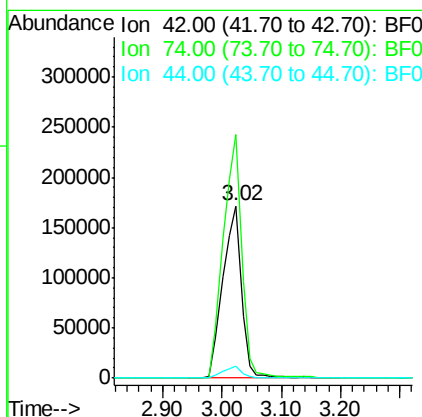
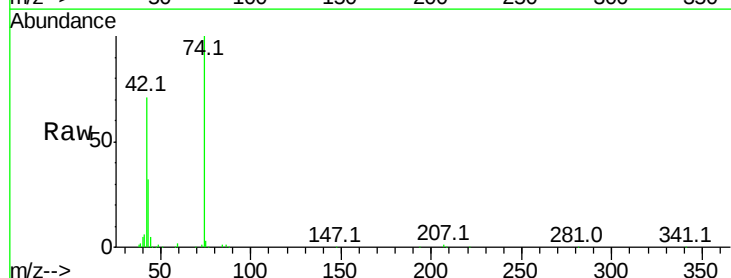
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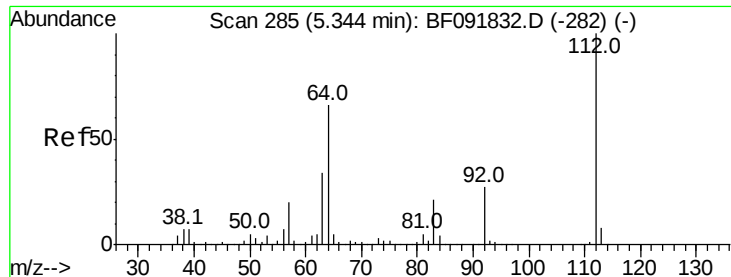
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#4
 n-Nitrosodimethylamine
 Concen: 52.28 ng
 RT: 3.02 min Scan# 82
 Delta R.T. 0.08 min
 Lab File: BF091898.D
 Acq: 22 Dec 2016 20:49

Tgt Ion	Ion	Ratio	Lower	Upper
42	100			
74	141.5	117.0	175.4	
44	6.9	5.5	8.3	





#5

2-Fluorophenol

Concen: 182.59 ng

RT: 5.41 min Scan# 291

Delta R.T. 0.07 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

ClientSampled :

B-5MSD

Tot Ion:112 Resp: 2028602

Ion Ratio Lower Upper

112 100

64 58.6 46.1 69.1

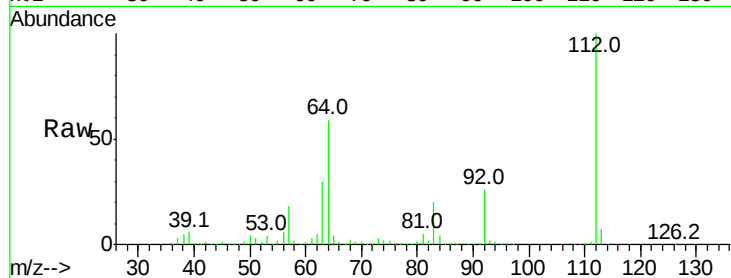
63 30.4 23.8 35.6

Manual Integrations

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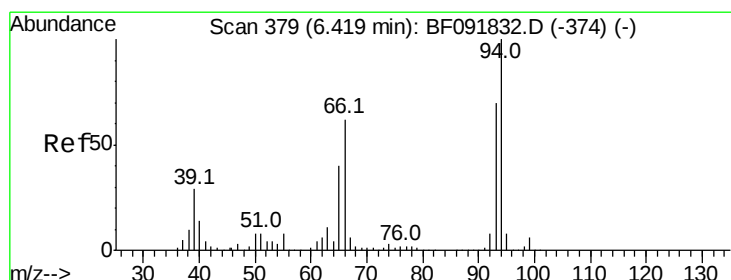
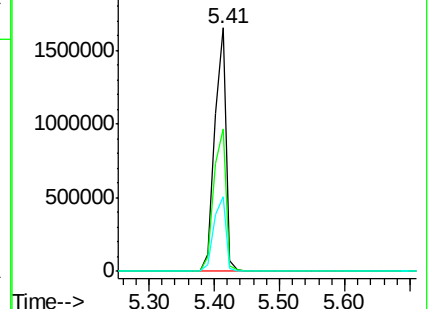
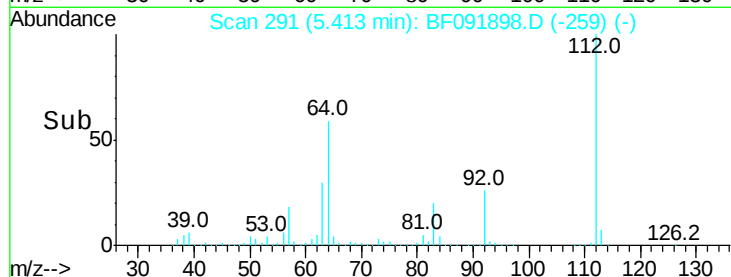
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 29.93 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.01 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

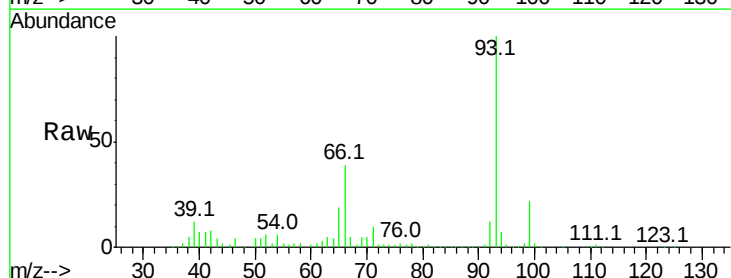
Tgt Ion: 93 Resp: 527381

Ion Ratio Lower Upper

93 100

66 39.2 76.2 114.2#

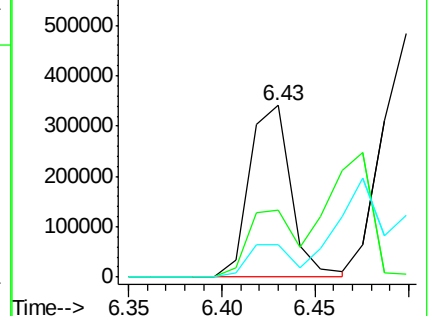
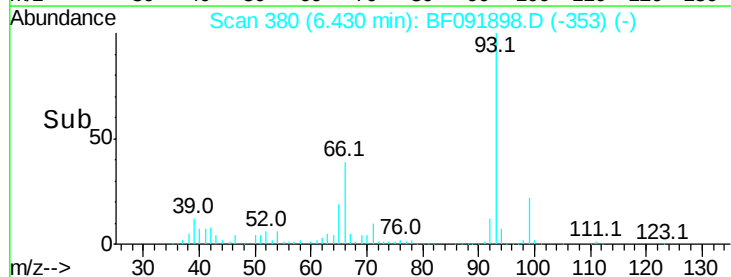
65 19.3 49.3 73.9#

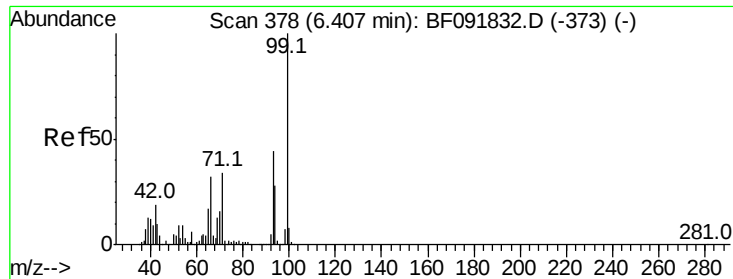


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 163.45 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.06 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

ClientSampleId :

B-5MSD

Tot Ion: 99 Resp: 2217185

Ion Ratio Lower Upper

99 100

42 18.1 15.6 23.4

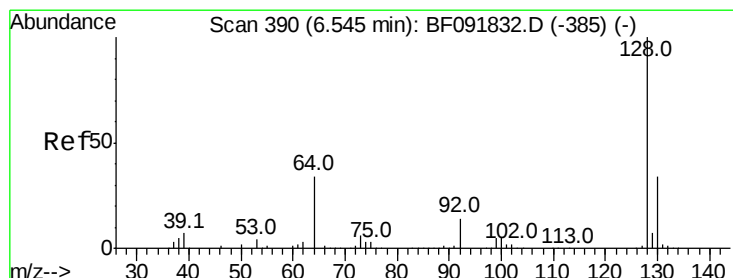
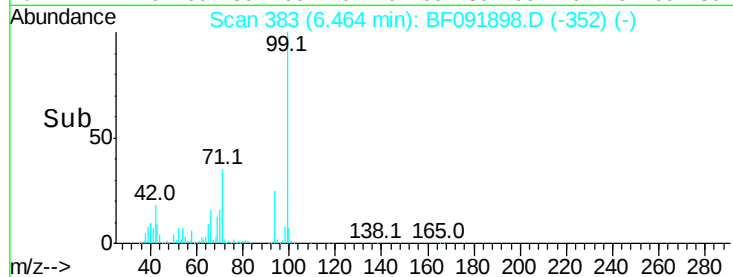
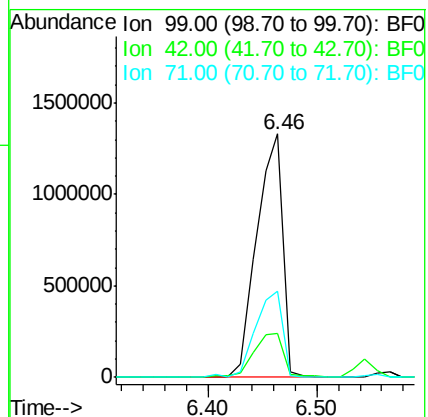
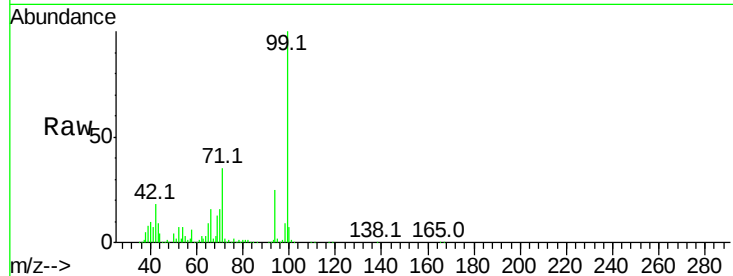
71 35.3 27.5 41.3

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#8

2-Chlorophenol

Concen: 49.42 ng

RT: 6.57 min Scan# 392

Delta R.T. 0.02 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

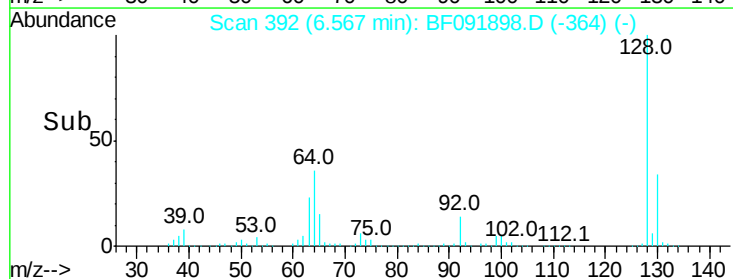
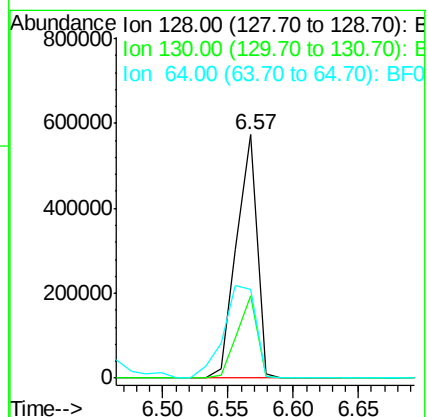
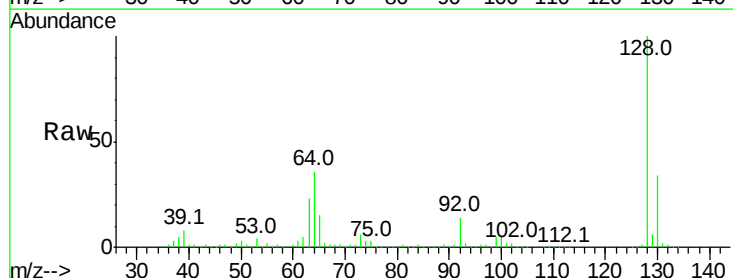
Tgt Ion: 128 Resp: 624518

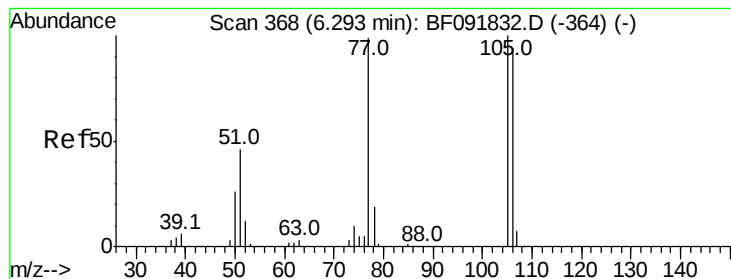
Ion Ratio Lower Upper

128 100

130 33.9 12.3 52.3

64 36.4 32.2 72.2





#9

Benzaldehyde

Concen: 10.64 ng

RT: 6.29 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

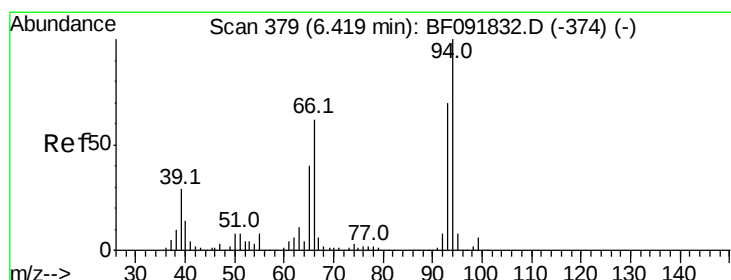
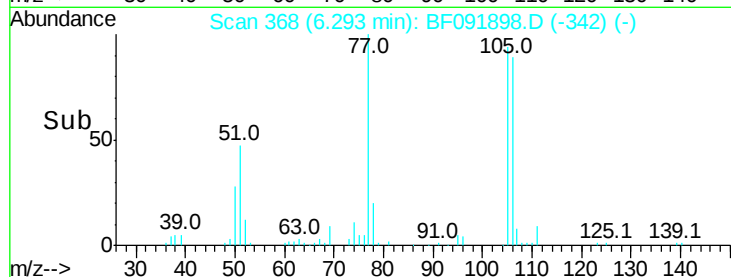
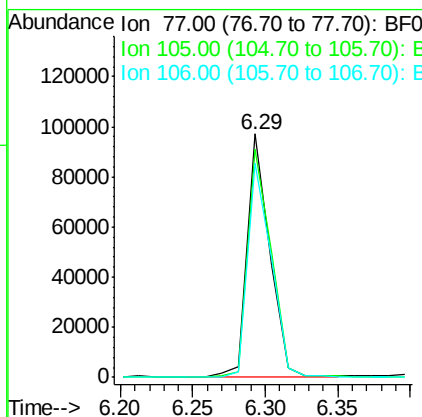
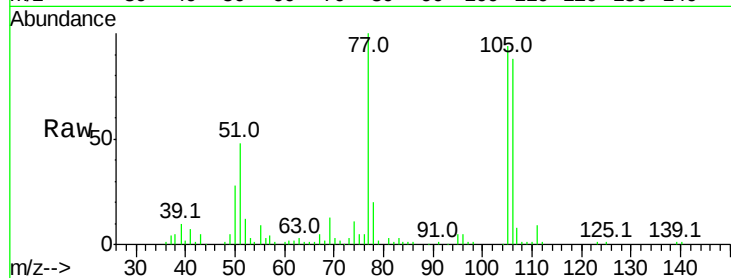
ClientSampleId :

B-5MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	93.7	83.9	123.9
106	88.2	77.6	117.6

Manual Integrations
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#10

Phenol

Concen: 58.50 ng

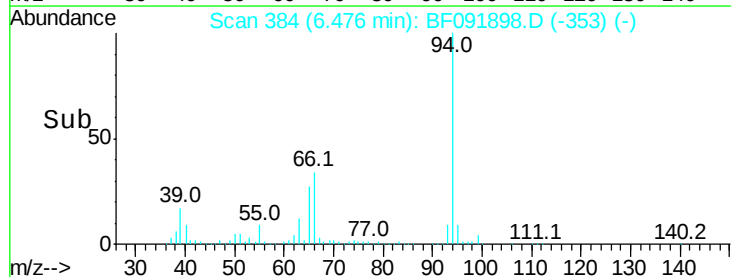
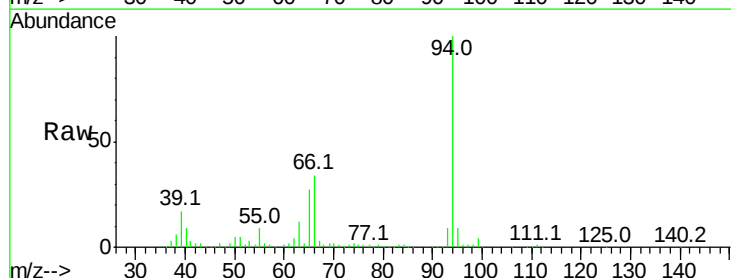
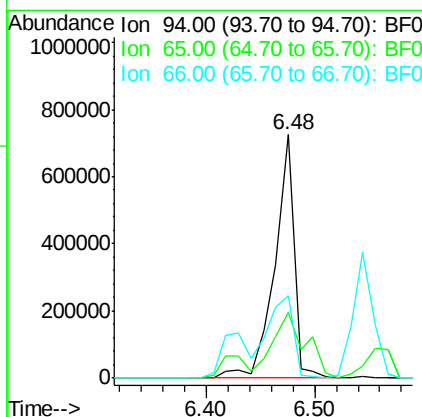
RT: 6.48 min Scan# 384

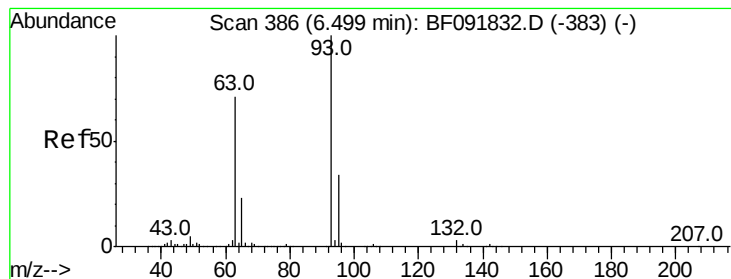
Delta R.T. 0.06 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Lower	Upper
94	100		
65	26.9	21.4	61.4
66	34.0	44.0	84.0#





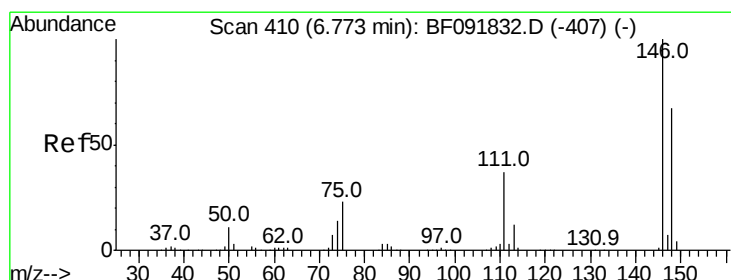
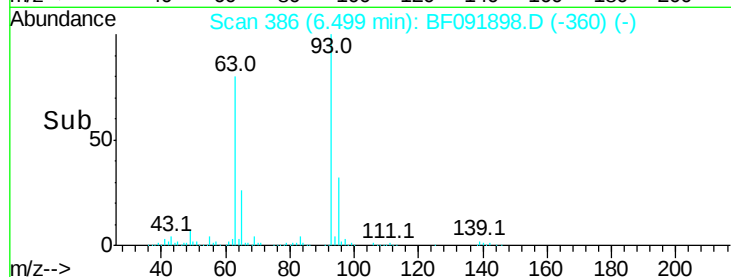
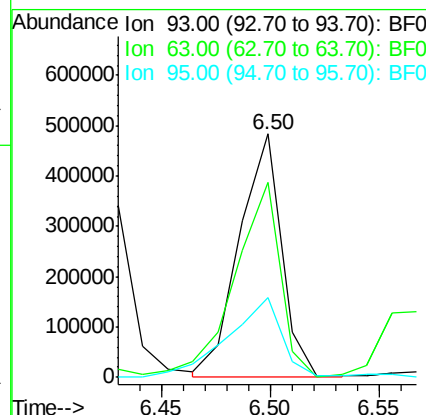
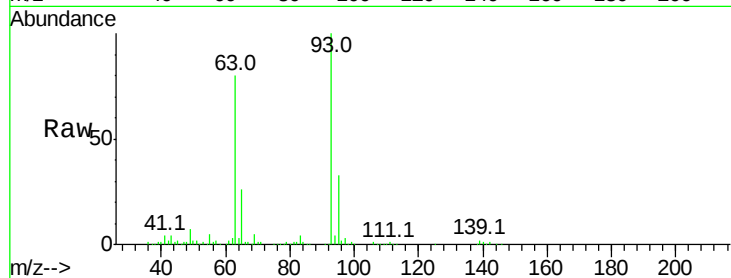
#11
bis(2-Chloroethyl)ether
Concen: 53.23 ng
RT: 6.50 min Scan# 386
Delta R.T. -0.00 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Instrument :
BNA_F
ClientSampleId :
B-5MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	80.1	60.4	100.4
95	32.6	12.8	52.8

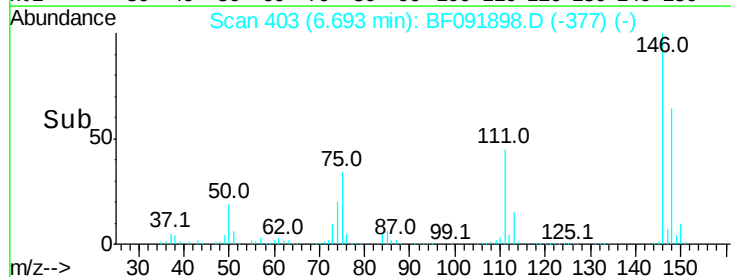
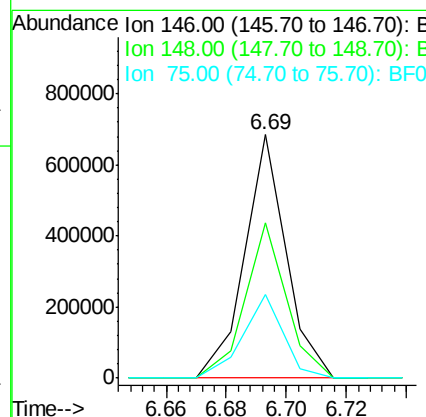
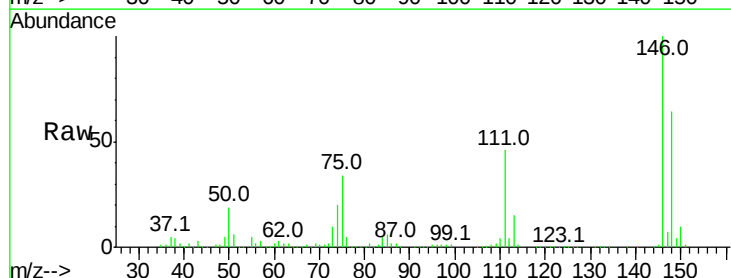
Manual Integrations
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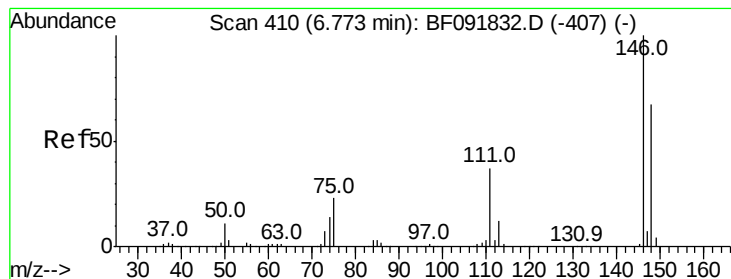
SOHIL
12/23/2016 5:54:13 PM



#12
1,3-Dichlorobenzene
Concen: 48.51 ng m
RT: 6.69 min Scan# 403
Delta R.T. -0.00 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	53.4	80.0
75	34.1	18.5	27.7





#13

1,4-Dichlorobenzene

Concen: 48.45 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.00 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

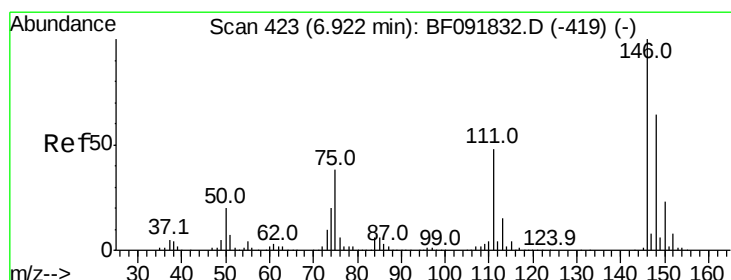
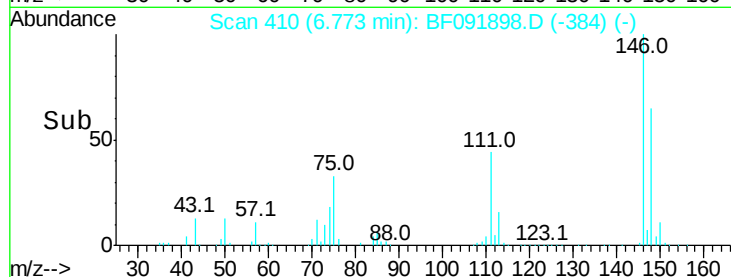
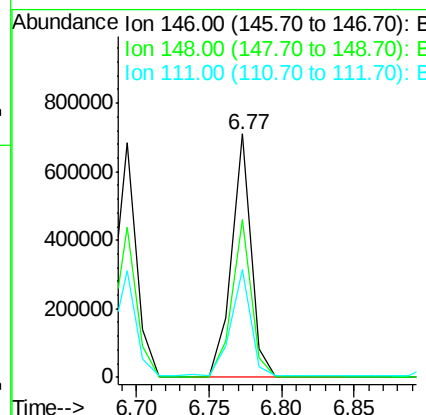
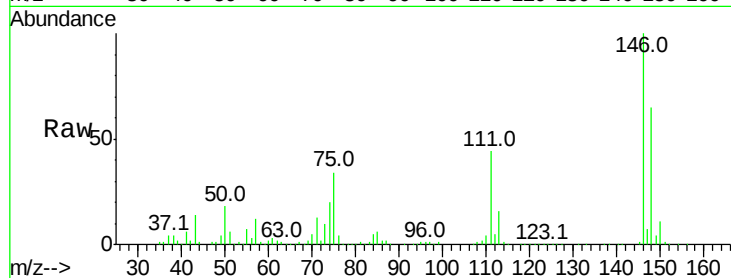
ClientSampleId :

B-5MSD

Tot Ion:	146	Resp:	665303
Ion Ratio	Lower	Upper	
146	100		
148	64.8	50.6	76.0
111	44.2	36.2	54.4

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 48.18 ng

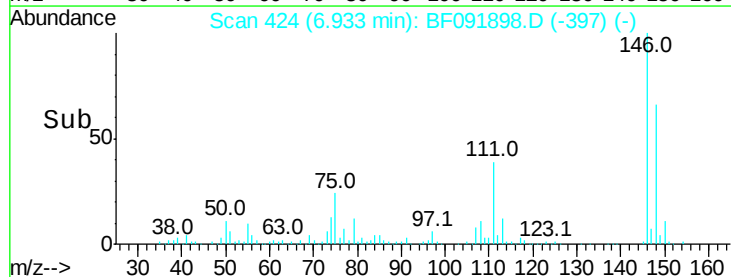
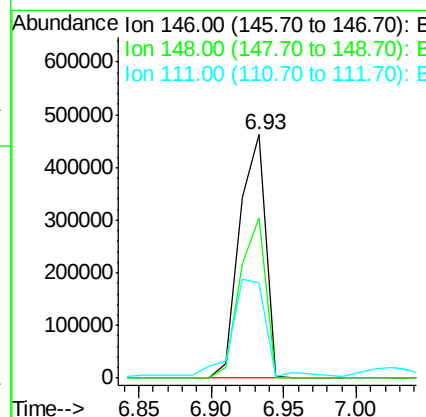
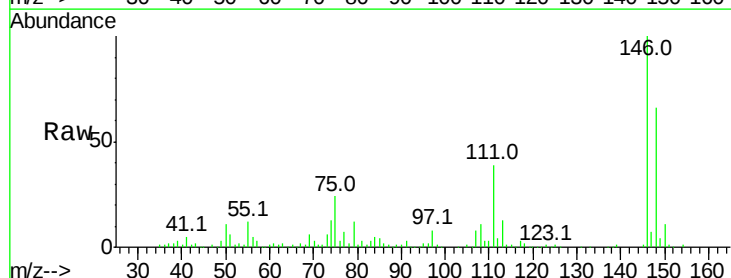
RT: 6.93 min Scan# 424

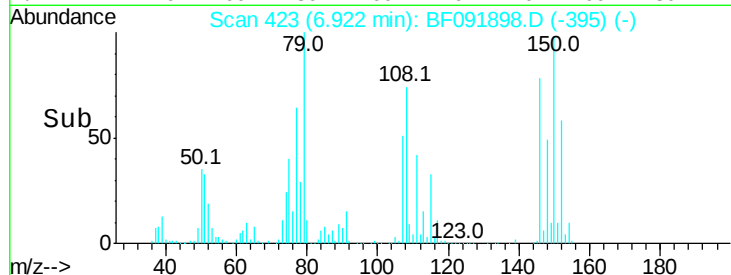
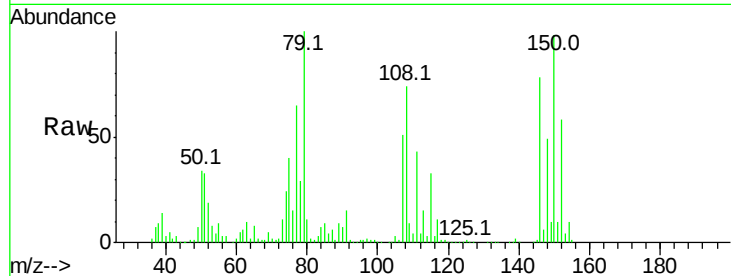
Delta R.T. 0.01 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Tgt Ion:	146	Resp:	574112
Ion Ratio	Lower	Upper	
146	100		
148	65.8	52.2	78.2
111	39.2	36.2	54.2





#15

Benzyl Alcohol

Concen: 50.62 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.02 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Tot Ion:	79	Resp:	533558
Ion Ratio	Lower	Upper	
79	100		
108	74.0	61.4	92.0
77	64.5	50.9	76.3

Instrument :

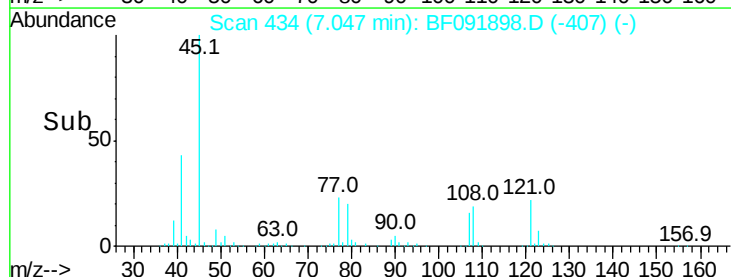
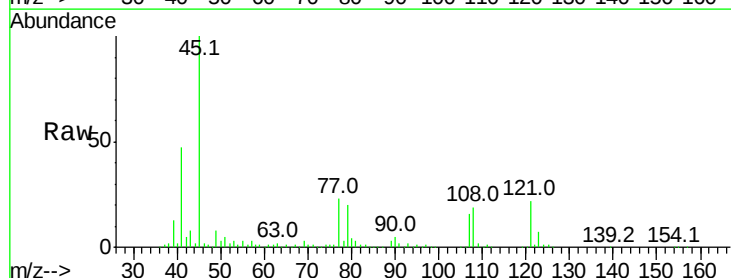
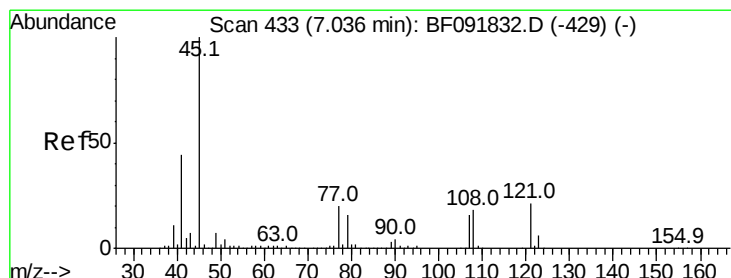
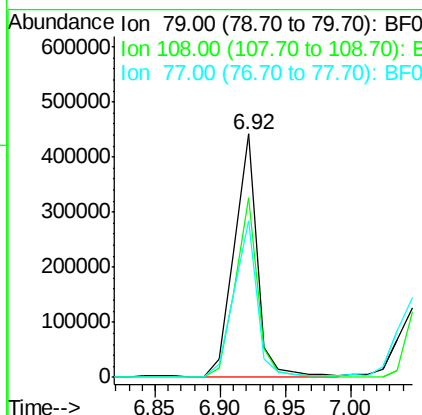
BNA_F

ClientSampled :

B-5MSD

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 51.31 ng

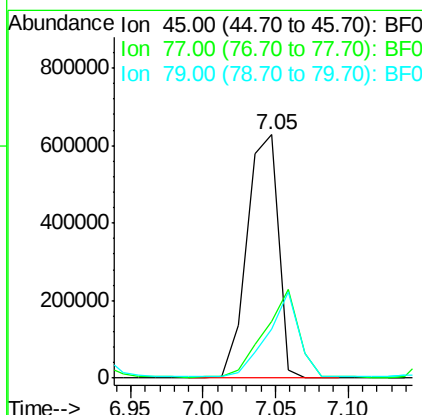
RT: 7.05 min Scan# 434

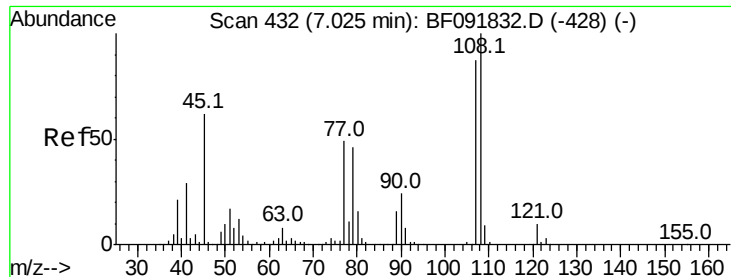
Delta R.T. 0.01 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Tgt Ion:	45	Resp:	939780
Ion Ratio	Lower	Upper	
45	100		
77	23.1	0.0	34.6
79	20.0	0.0	31.2





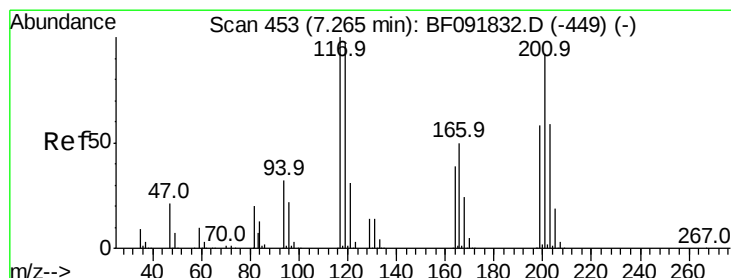
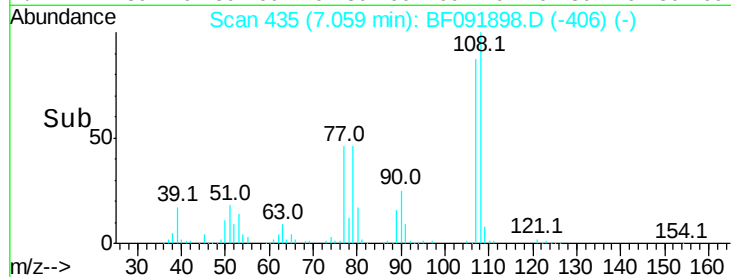
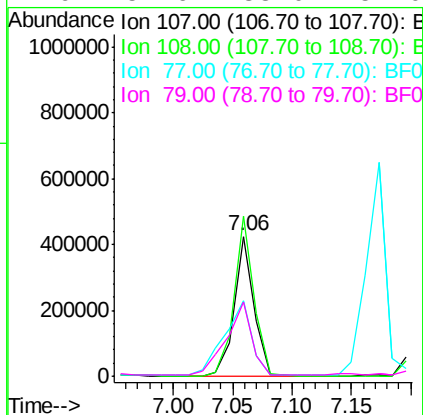
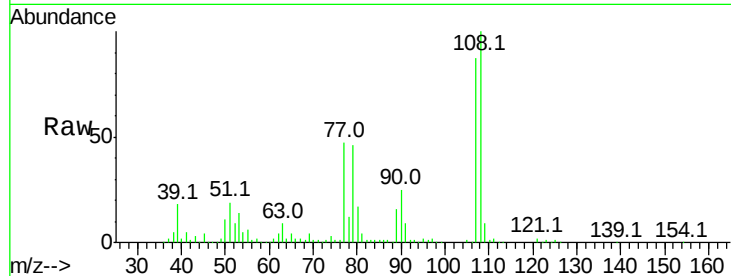
#17
2-Methylphenol
Concen: 48.08 ng
RT: 7.06 min Scan# 435
Delta R.T. 0.03 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Instrument :
BNA_F
ClientSampleId :
B-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	114.6	93.0	139.6	
77	53.5	39.8	59.8	
79	52.6	38.0	57.0	

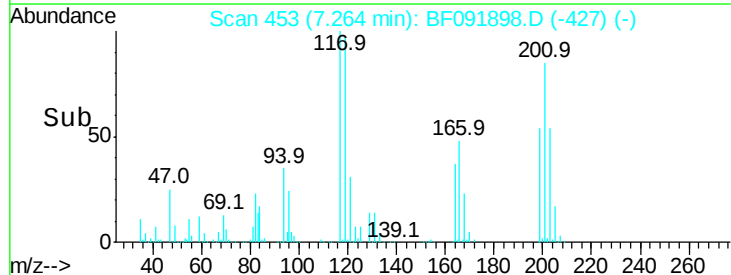
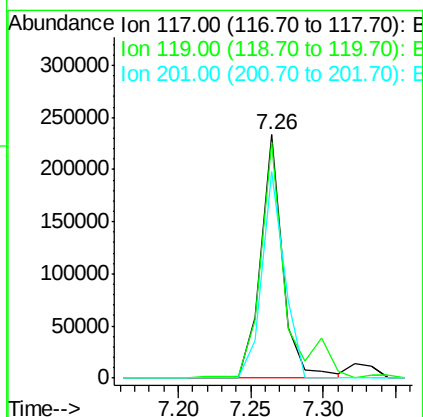
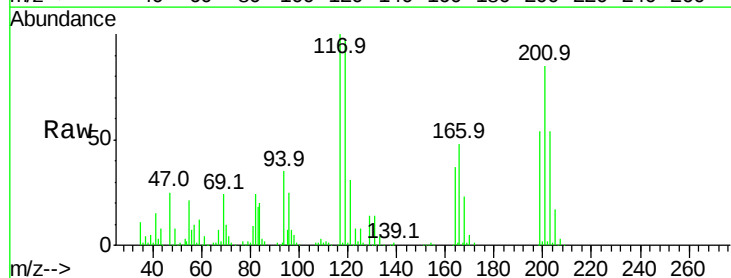
Manual Integrations
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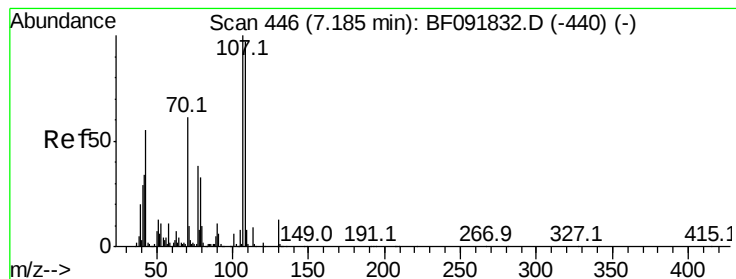
SOHIL
12/23/2016 5:54:13 PM



#18
Hexachloroethane
Concen: 48.46 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.00 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.7	78.1	117.1	
201	84.7	78.6	117.8	





#19

n-Nitroso-di-n-propylamine

Concen: 62.23 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.00 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

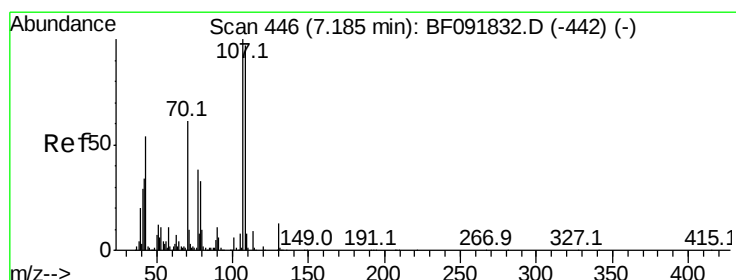
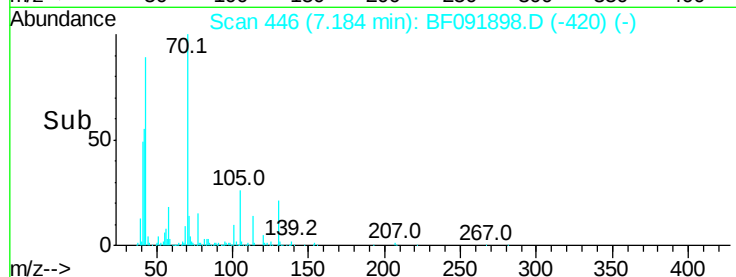
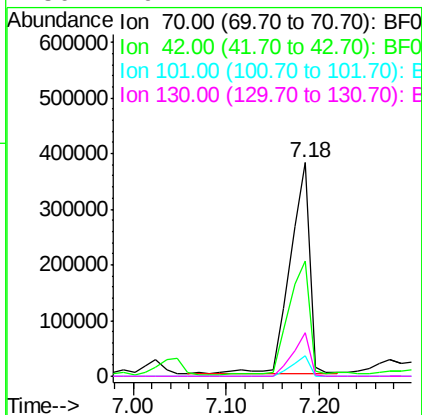
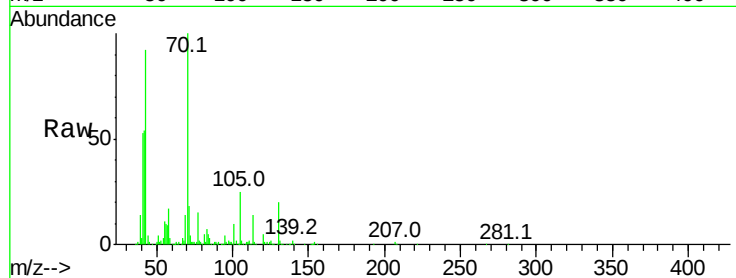
ClientSampleId :

B-5MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	54.2	49.4	74.0
101	9.5	7.4	11.2
130	20.4	14.2	21.4

Manual Integrations
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#20

3+4-Methylphenols

Concen: 59.13 ng

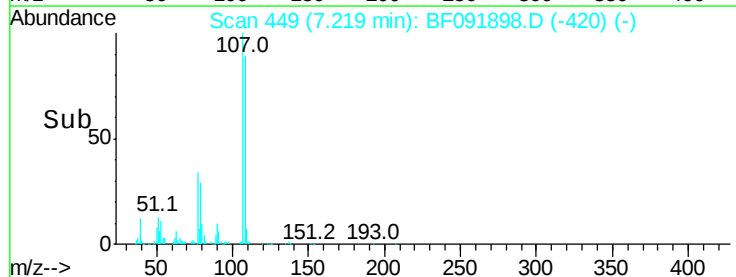
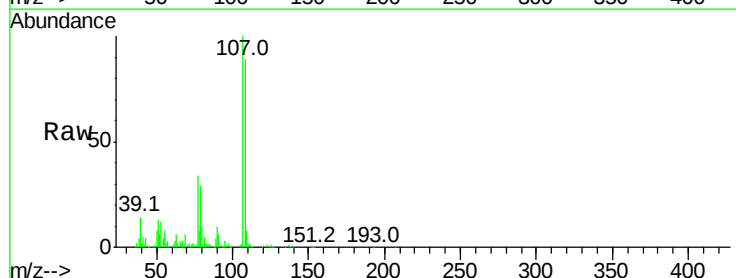
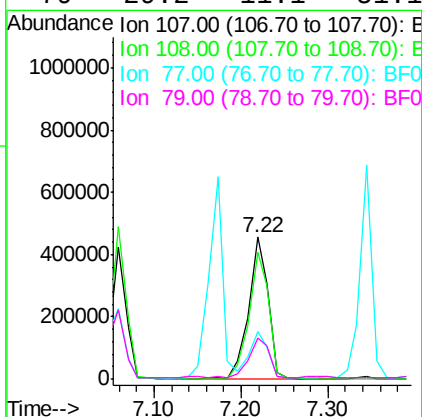
RT: 7.22 min Scan# 449

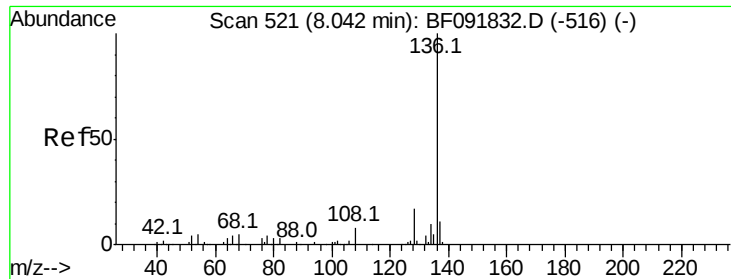
Delta R.T. 0.03 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.3	73.0	113.0
77	33.8	71.3	111.3#
79	29.2	11.1	51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

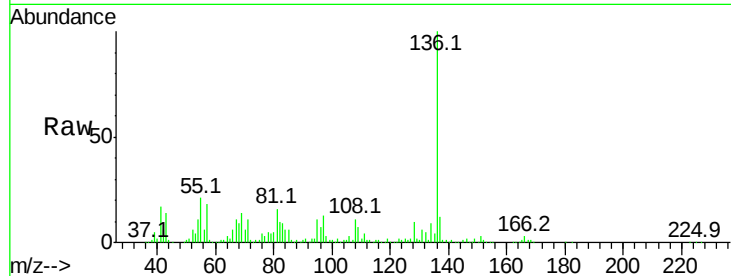
ClientSampleId :

B-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	693196		
137	12.2		8.4	12.6
54	10.8		4.5	6.7#
68	9.3		3.6	5.4#

Manual Integrations
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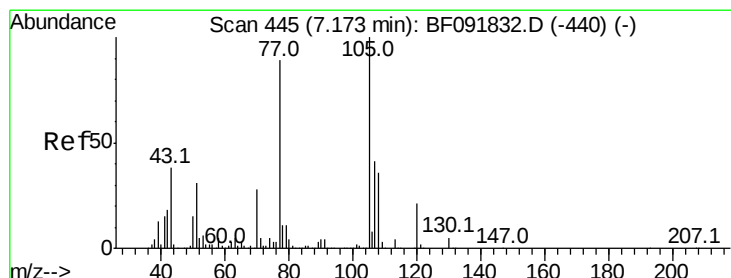
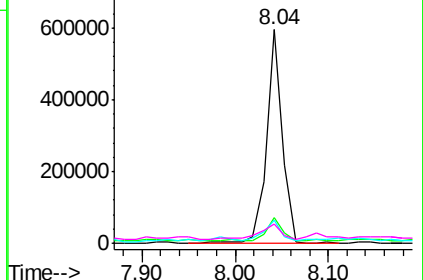
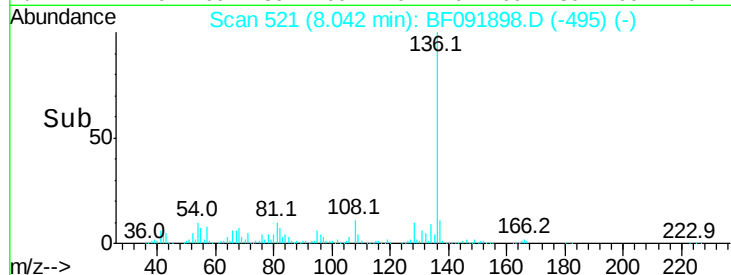


Abundance Ion 136.00 (135.70 to 136.70): E

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: 53.64 ng

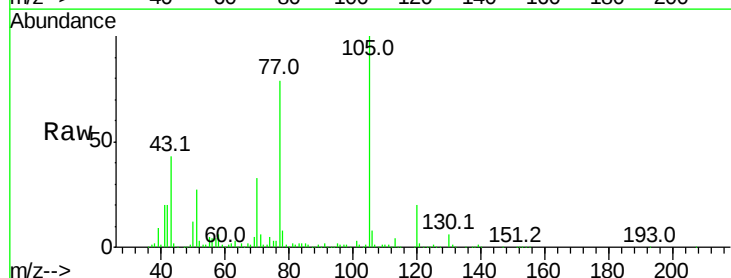
RT: 7.17 min Scan# 445

Delta R.T. -0.00 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	917164		
71	6.3		3.2	4.8#
51	26.9		26.2	39.4
120	20.5		16.6	24.8

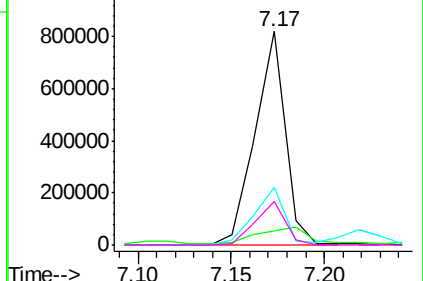
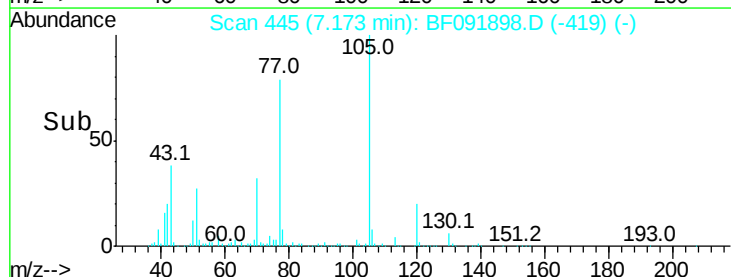


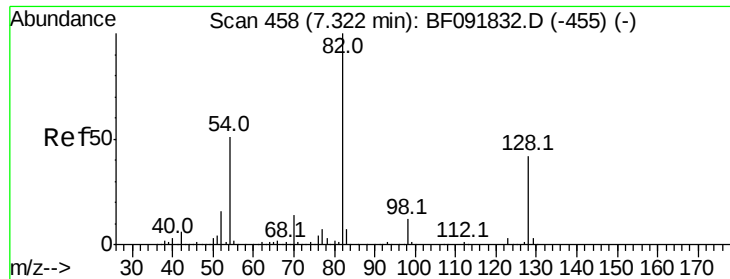
Abundance Ion 105.00 (104.70 to 105.70): E

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





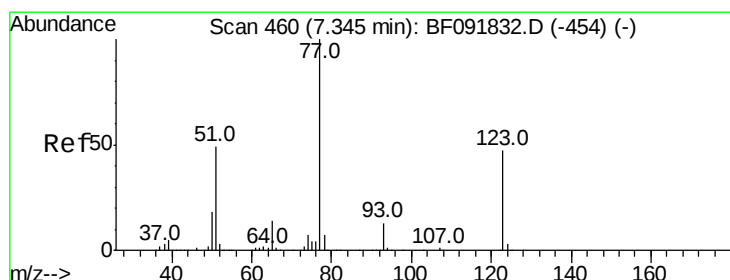
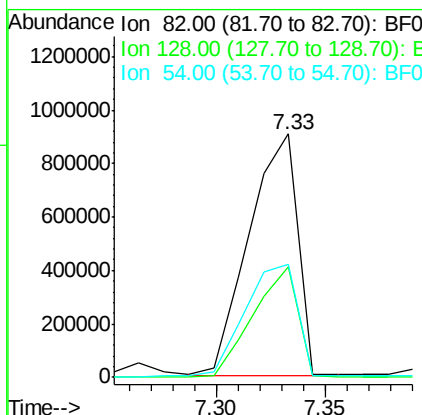
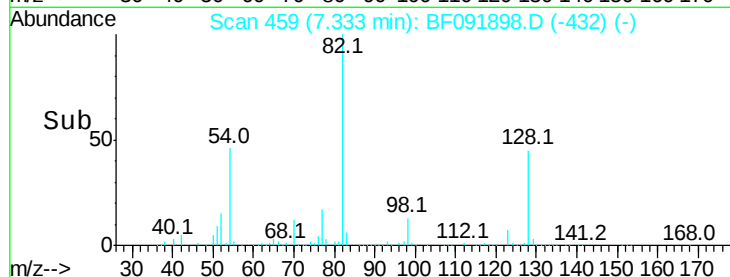
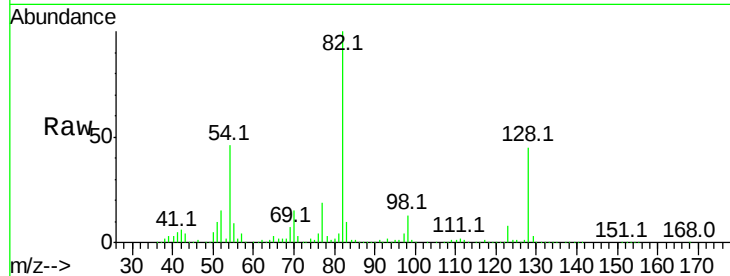
#23
Nitrobenzene-d5
Concen: 114.02 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Instrument :
BNA_F
ClientSampleId :
B-5MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.6	52.0
54	46.5	39.5	59.3

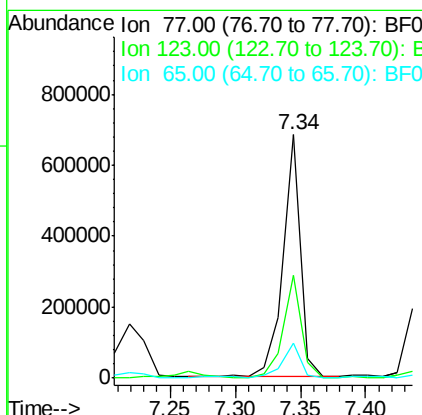
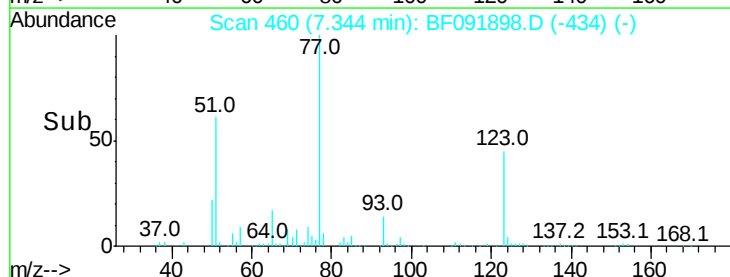
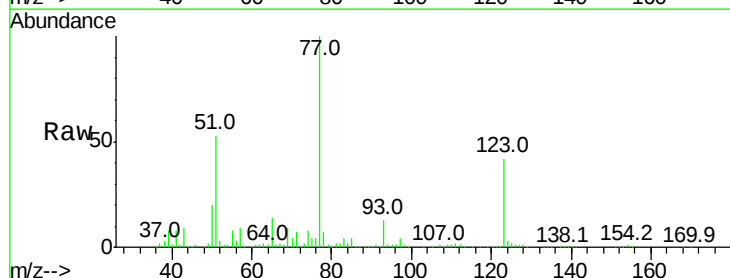
Manual Integrations
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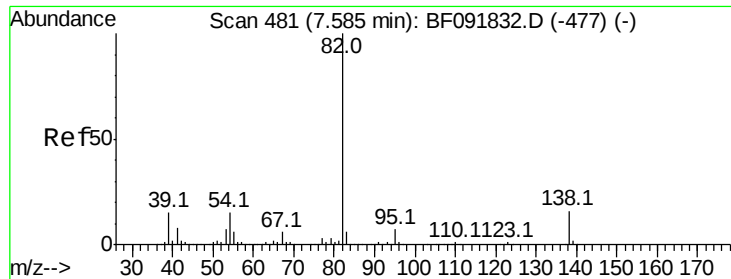
SOHIL
12/23/2016 5:54:13 PM



#24
Nitrobenzene
Concen: 48.67 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.00 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Lower	Upper
77	100		
123	42.2	33.0	49.4
65	14.2	11.2	16.8





#25

Isophorone

Concen: 58.98 ng

RT: 7.60 min Scan# 482

Delta R.T. 0.01 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

ClientSampled :

B-5MSD

Tot Ion: 82 Resp: 1356491

Ion Ratio Lower Upper

82 100

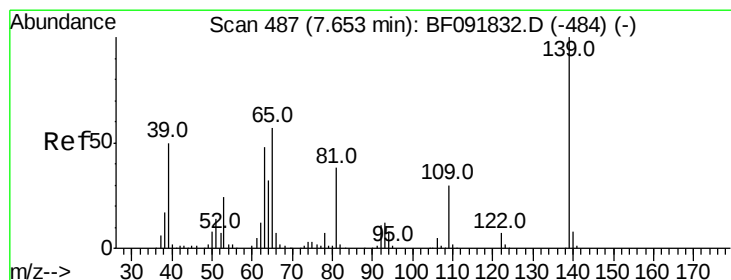
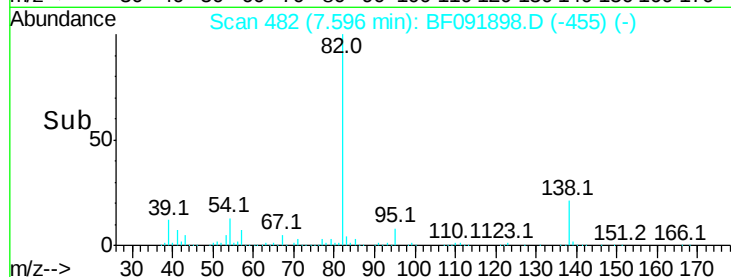
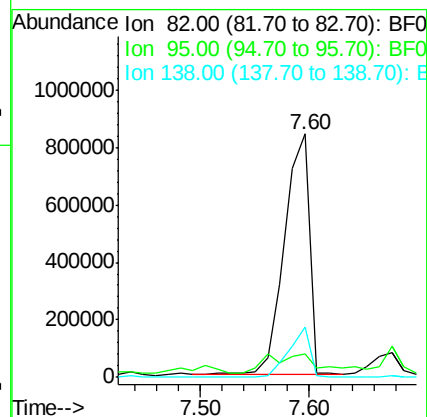
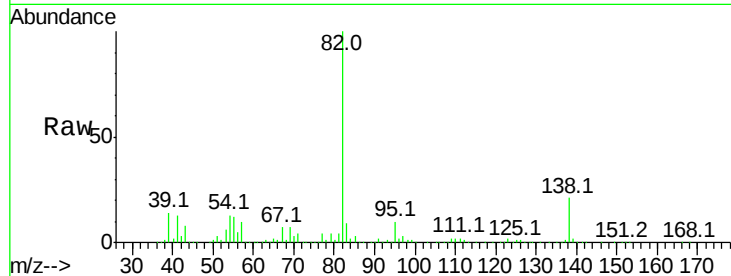
95 9.6 5.6 8.4#

138 20.5 14.6 22.0

Manual Integrations
APPROVED

SOHIL

12/23/2016 5:54:13 PM



#26

2-Nitrophenol

Concen: 39.73 ng

RT: 7.66 min Scan# 488

Delta R.T. 0.01 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

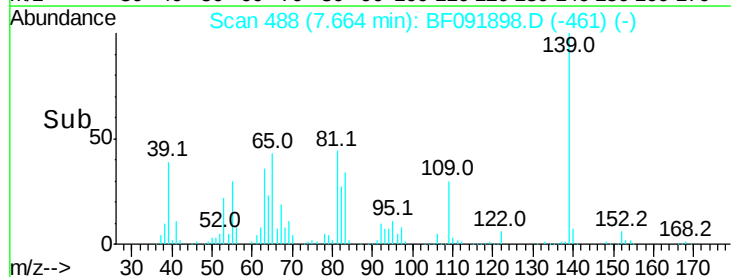
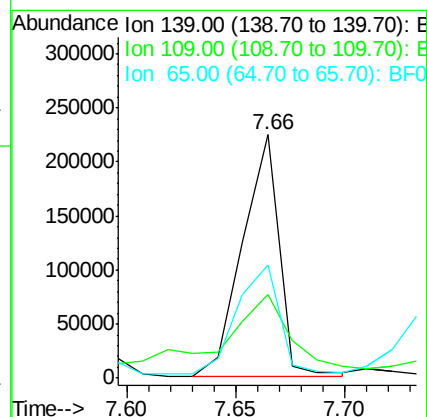
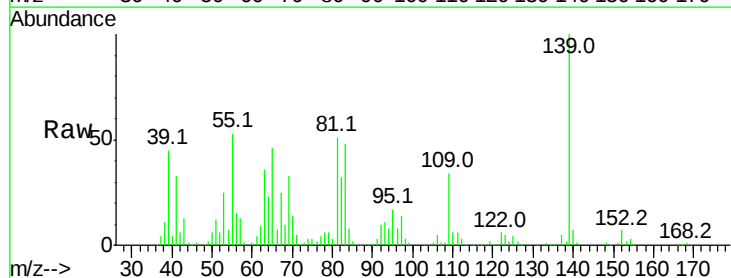
Tgt Ion:139 Resp: 260150

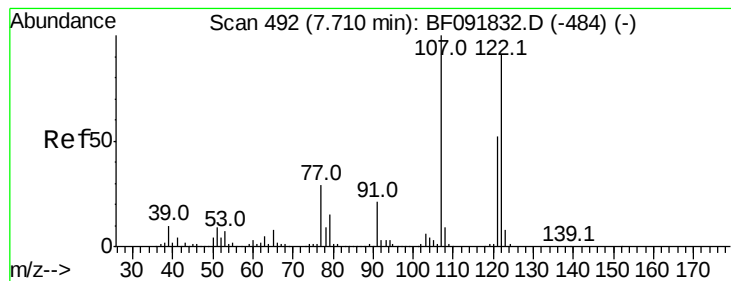
Ion Ratio Lower Upper

139 100

109 34.3 23.3 34.9

65 46.4 42.7 64.1





#27

2,4-Dimethylphenol

Concen: 53.39 ng

RT: 7.73 min Scan# 494

Delta R.T. 0.02 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

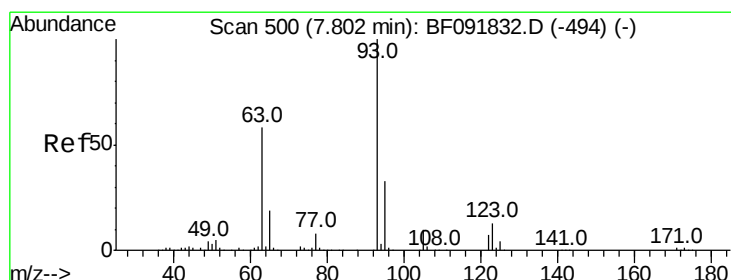
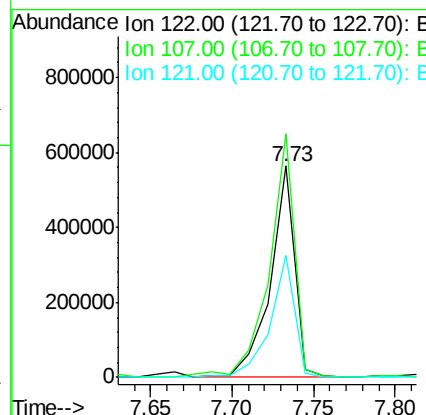
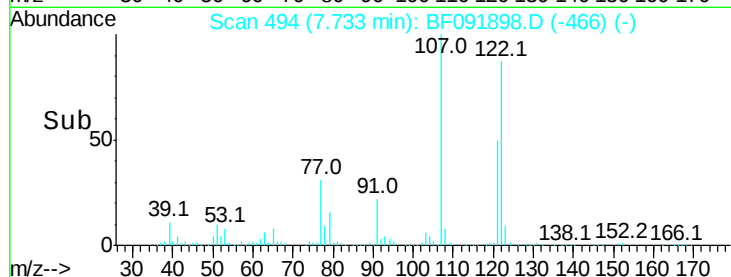
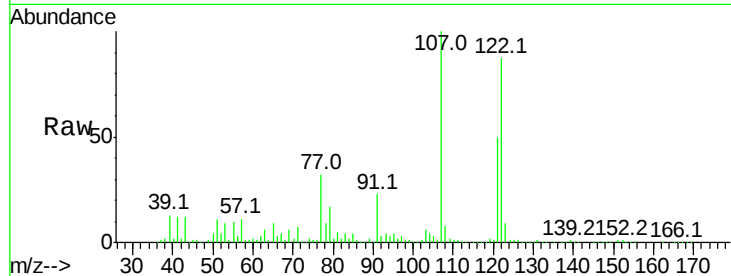
ClientSampleId :

B-5MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	115.4	94.1	141.1
121	57.7	46.0	69.0

Manual Integrations
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#28

bis(2-Chloroethoxy)methane

Concen: 57.89 ng

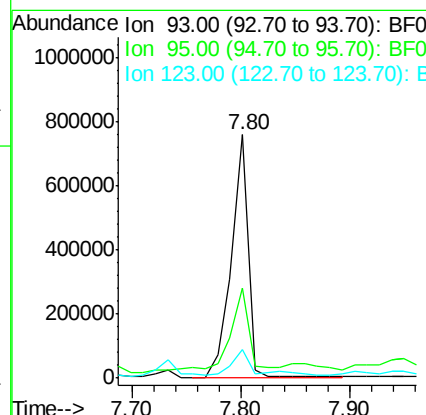
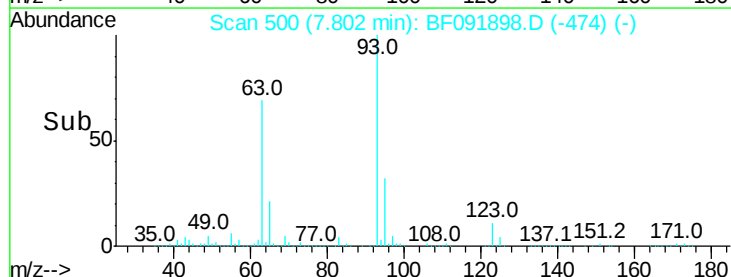
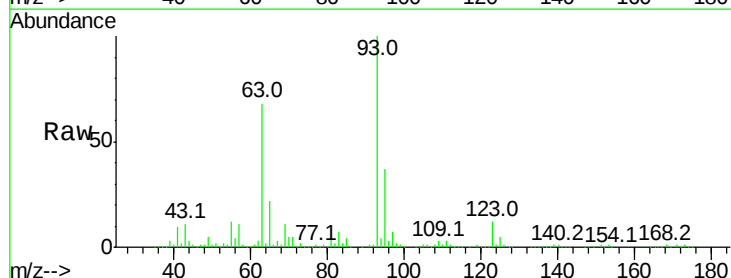
RT: 7.80 min Scan# 500

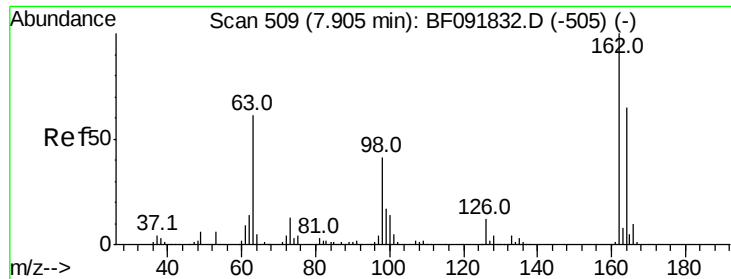
Delta R.T. -0.00 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	36.8	26.5	39.7
123	11.7	8.6	13.0





#29

2,4-Dichlorophenol

Concen: 51.74 ng

RT: 7.93 min Scan# 511

Delta R.T. 0.02 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

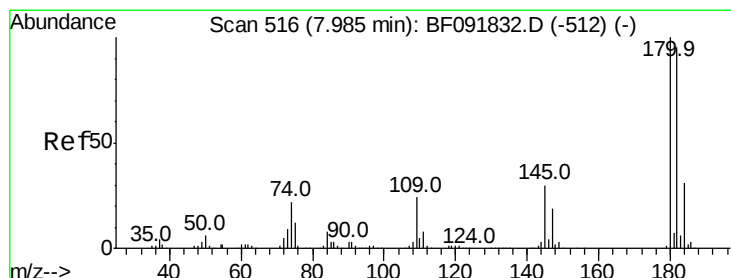
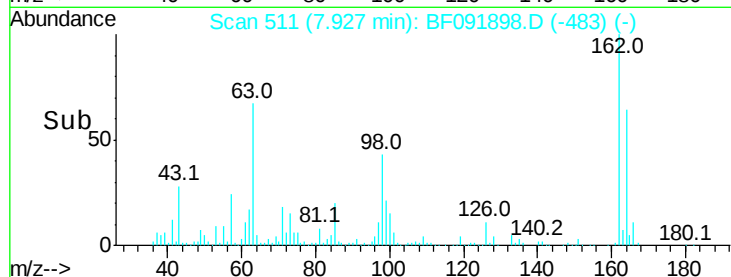
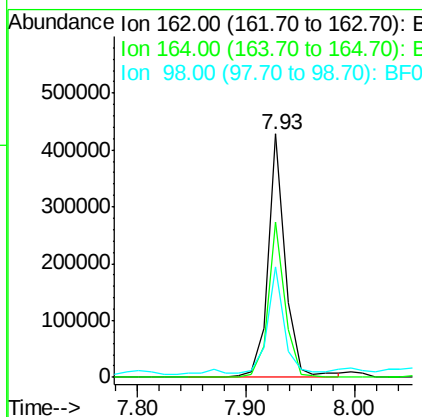
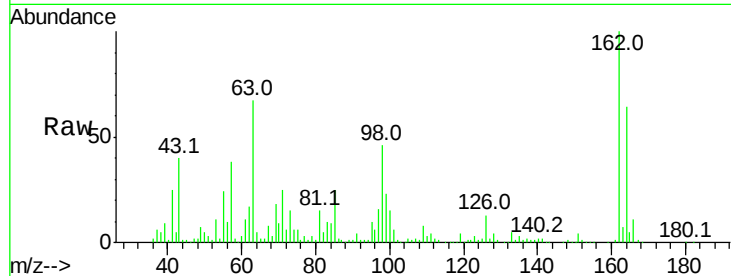
ClientSampled :

B-5MSD

Tot Ion:	162	Resp:	475813
Ion Ratio	Lower	Upper	
162	100		
164	63.5	46.8	86.8
98	45.5	9.1	49.1

Manual Integrations
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#30

1,2,4-Trichlorobenzene

Concen: 50.04 ng

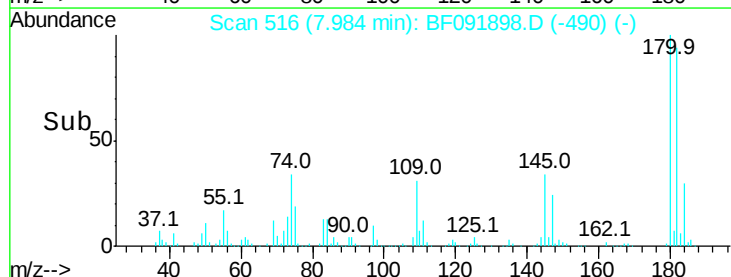
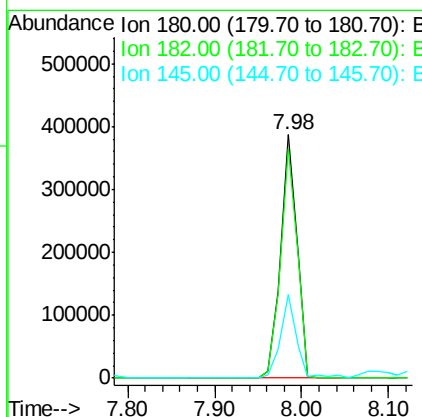
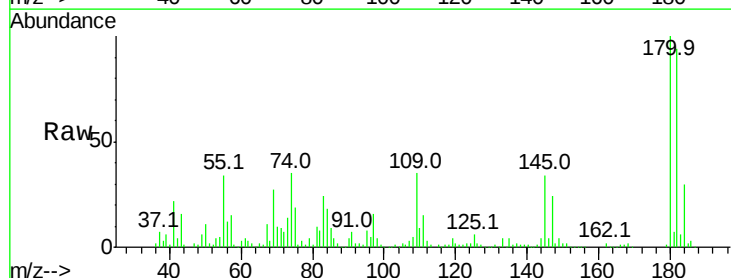
RT: 7.98 min Scan# 516

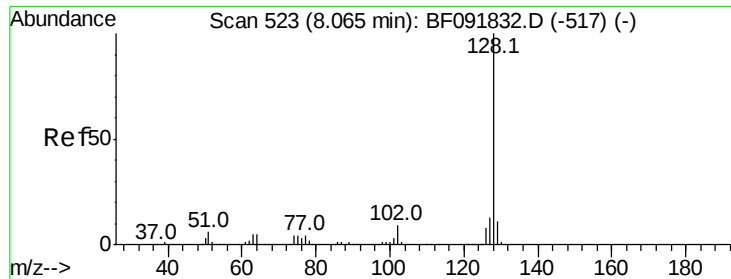
Delta R.T. -0.00 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Tgt Ion:	180	Resp:	504292
Ion Ratio	Lower	Upper	
180	100		
182	94.1	78.2	117.4
145	34.1	21.6	32.4#





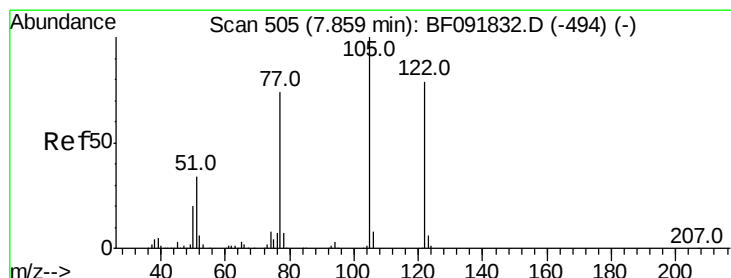
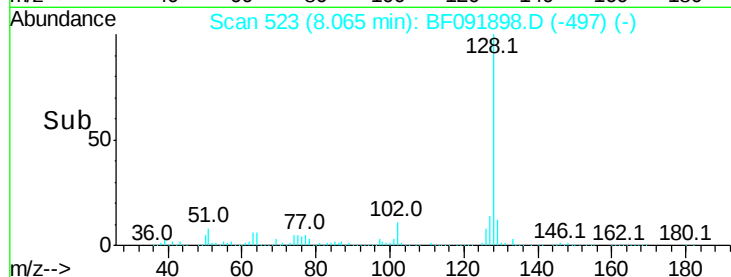
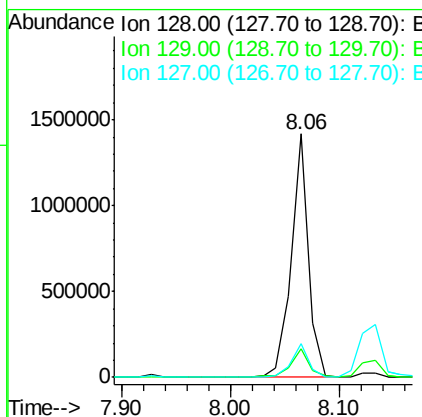
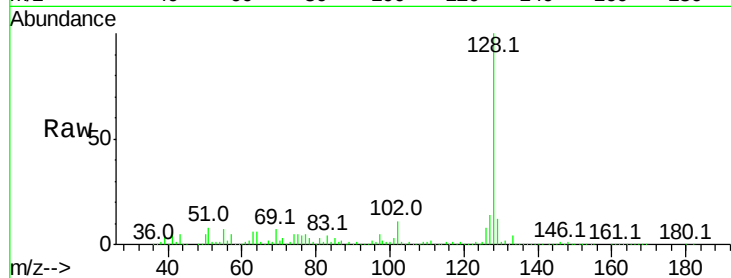
#31
Naphthalene
Concen: 49.49 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.00 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Instrument :
BNA_F
ClientSampleId :
B-5MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.5	14.3
127	13.8	10.8	16.2

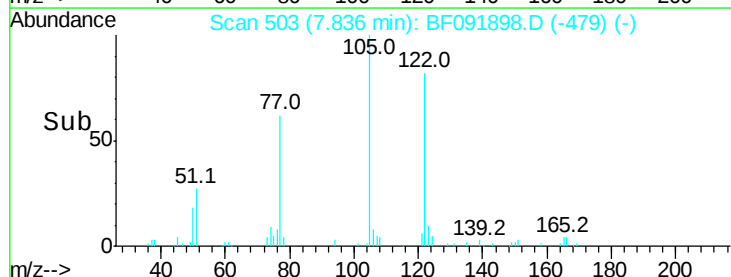
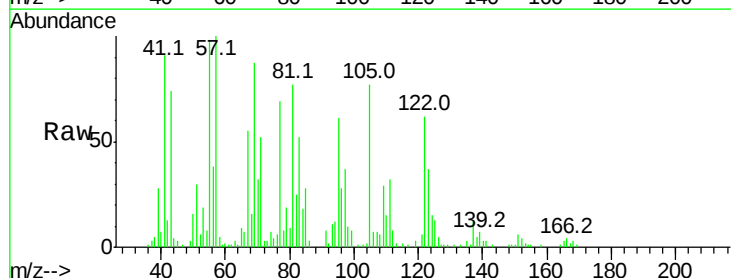
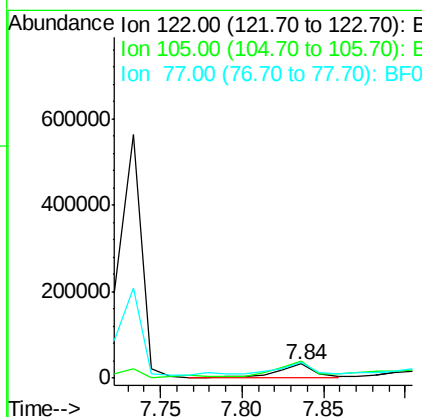
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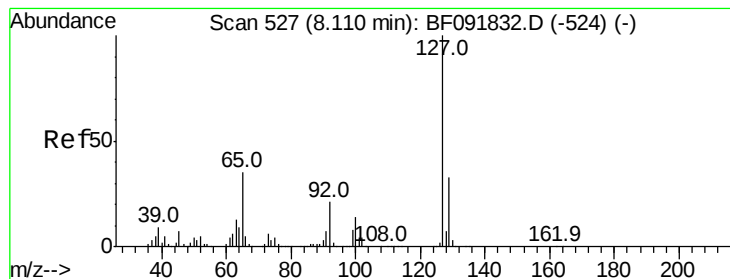
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#32
Benzoic acid
Concen: 5.58 ng
RT: 7.84 min Scan# 503
Delta R.T. -0.02 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Lower	Upper
122	100		
105	123.4	107.2	147.2
77	110.5	74.5	114.5





#33

4-Chloroaniline

Concen: 31.50 ng

RT: 8.13 min Scan# 529

Delta R.T. 0.02 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

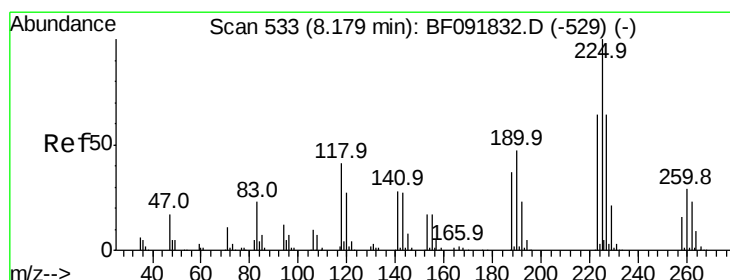
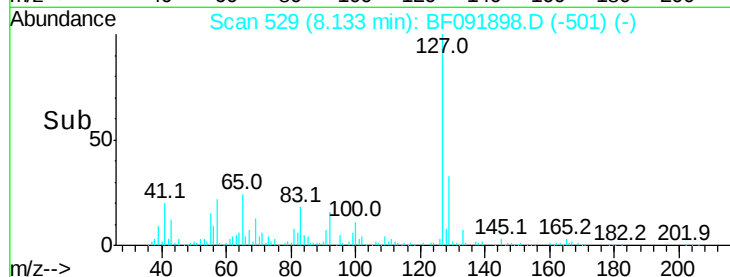
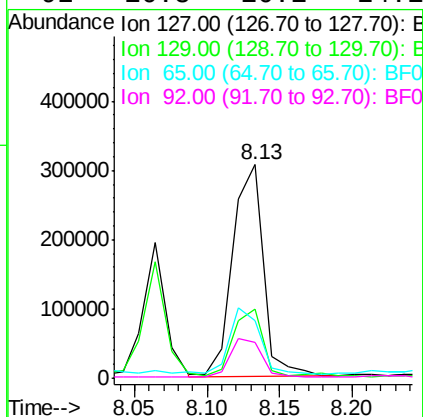
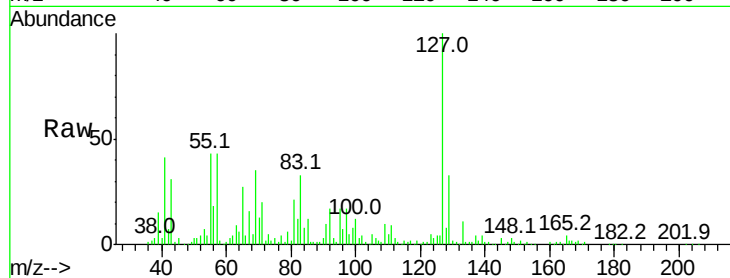
ClientSampleId :

B-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100	450692		
129	32.6	26.3	39.5	
65	27.0	25.8	38.8	
92	16.8	16.1	24.1	

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#34

Hexachlorobutadiene

Concen: 55.94 ng

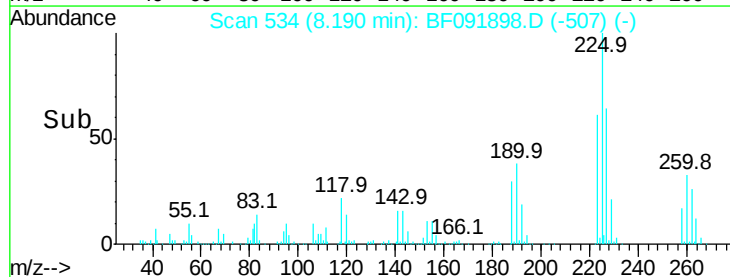
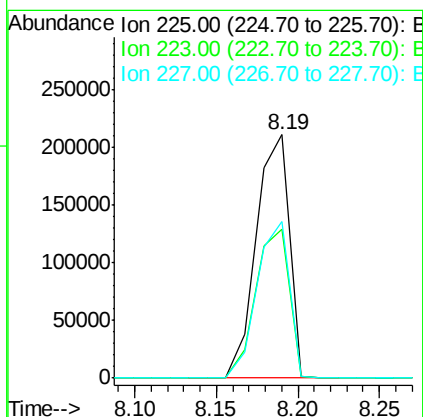
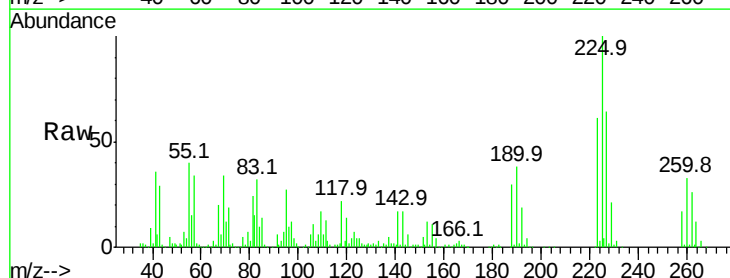
RT: 8.19 min Scan# 534

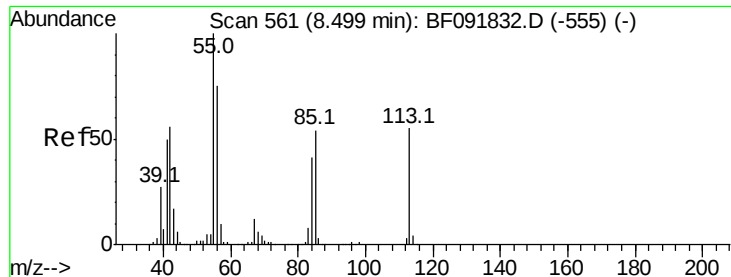
Delta R.T. 0.01 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	297572		
223	61.2	51.0	76.6	
227	64.1	50.6	76.0	





#35

Caprolactam

Concen: 84.34 ng

RT: 8.48 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

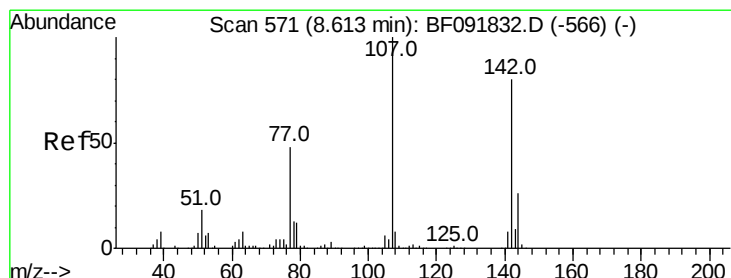
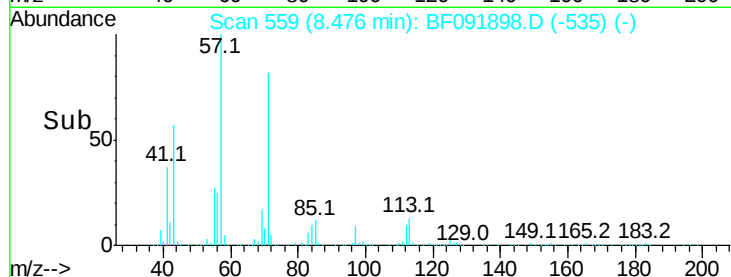
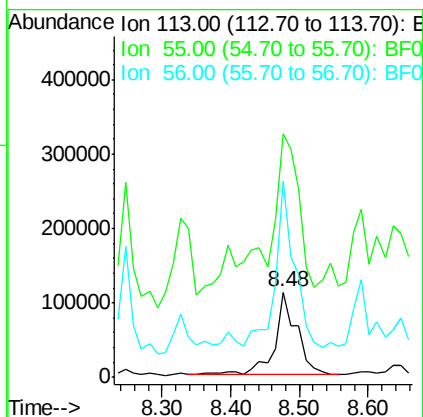
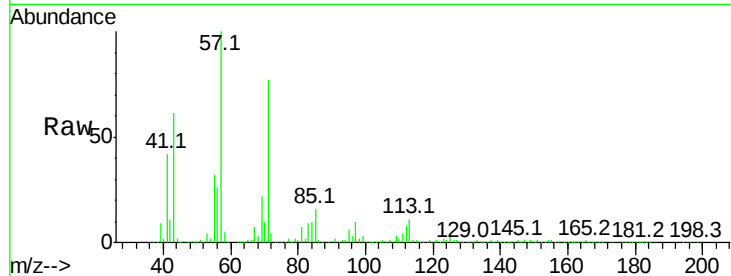
ClientSampleId :

B-5MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	285.2	119.2	159.2#
56	230.5	83.8	123.8#

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#36

4-Chloro-3-methylphenol

Concen: 47.31 ng

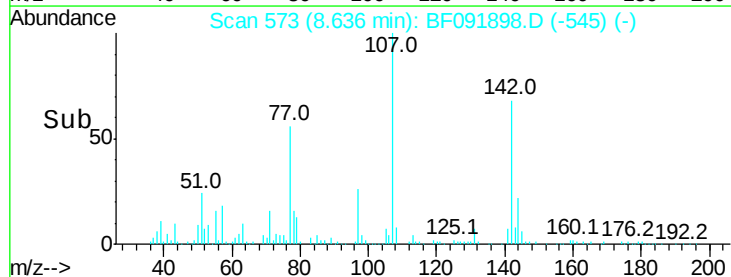
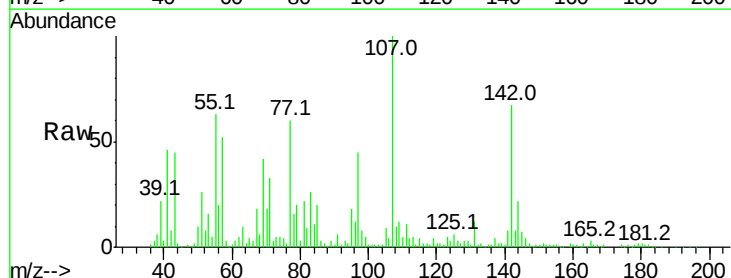
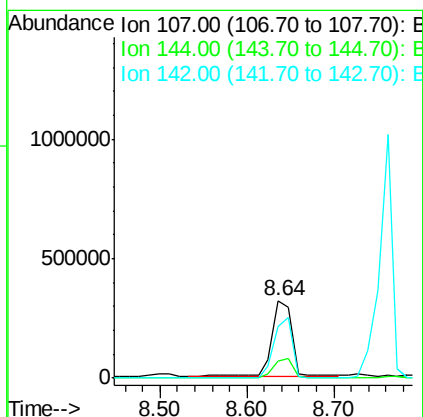
RT: 8.64 min Scan# 573

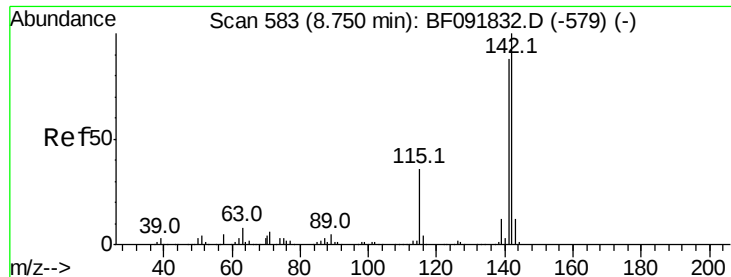
Delta R.T. 0.02 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Lower	Upper
107	100		
144	21.7	19.3	28.9
142	66.6	59.0	88.6





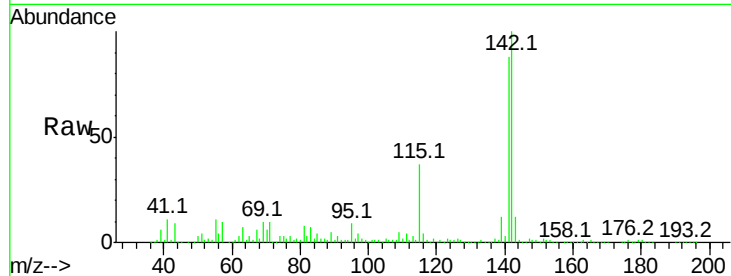
#37
2-Methylnaphthalene
Concen: 65.87 ng
RT: 8.76 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Instrument :
BNA_F
ClientSampled :
B-5MSD

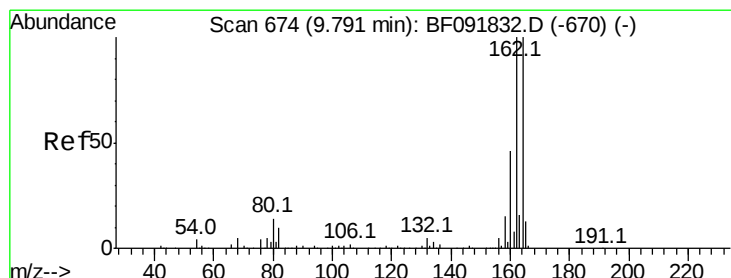
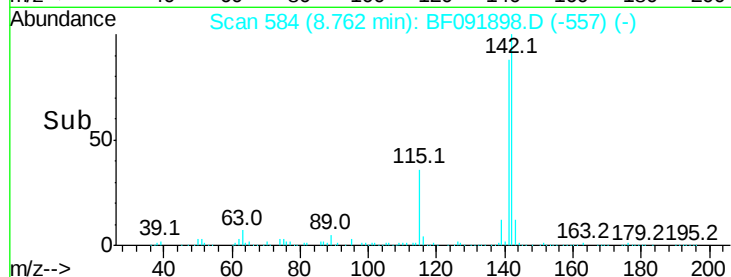
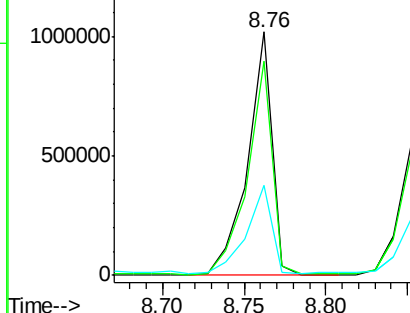
Tot Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.0	106.6
115	36.9	28.3	42.5

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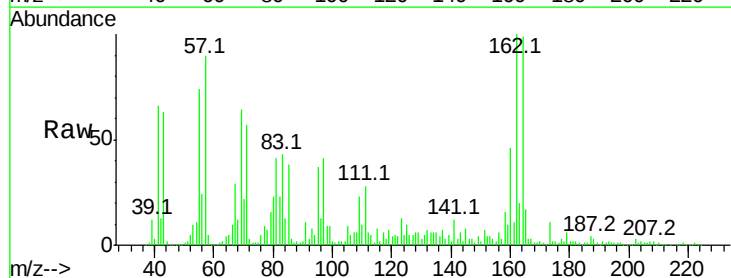


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

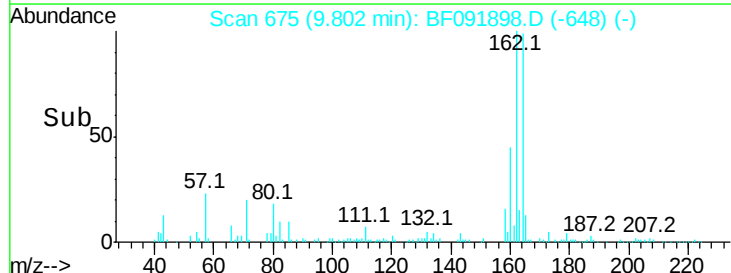
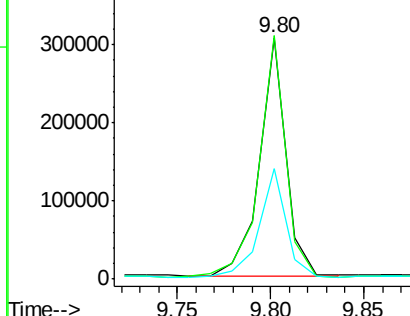


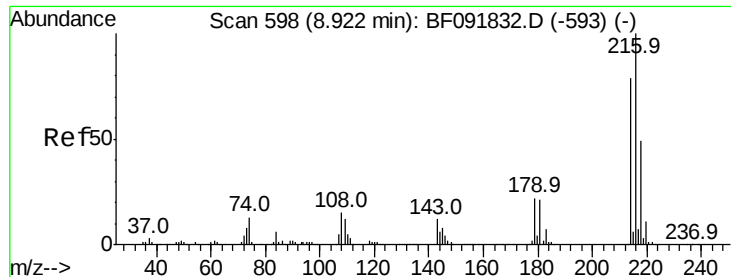
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.2	120.2
160	46.0	36.9	55.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 56.52 ng

RT: 8.93 min Scan# 599

Delta R.T. 0.01 min

Lab File: BF091898.D

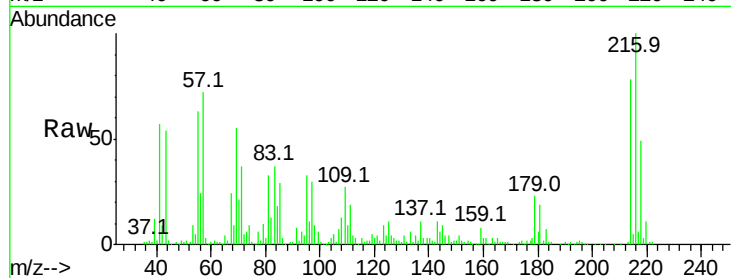
Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

ClientSampleId :

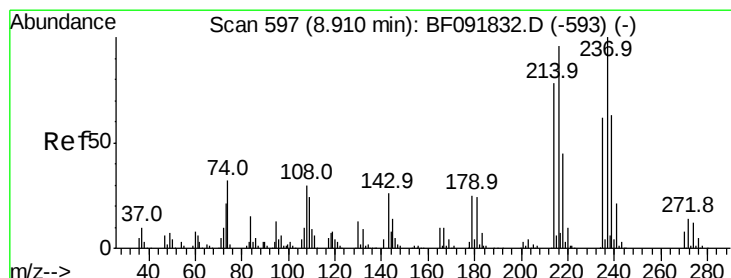
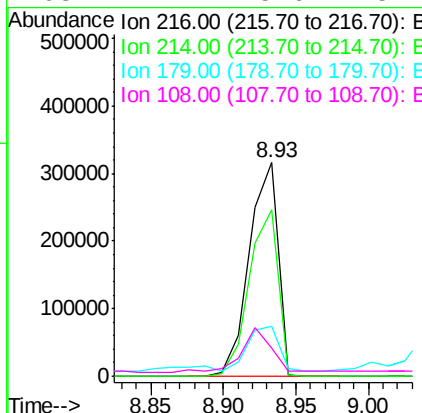
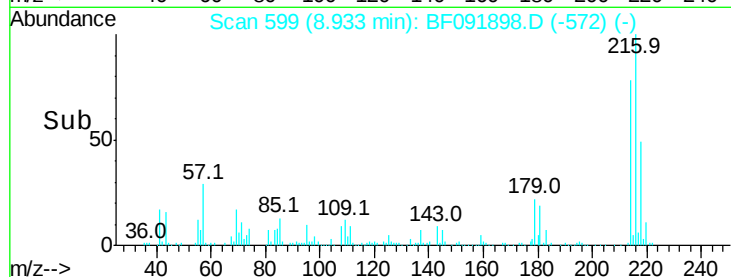
B-5MSD



Tot Ion	Ratio	Resp	Lower	Upper
216	100	435577		
214	78.2	63.4	95.0	
179	23.6	17.4	26.2	
108	22.1	15.6	23.4	

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#40

Hexachlorocyclopentadiene

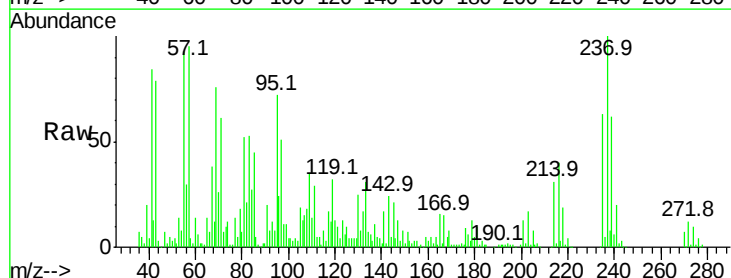
Concen: 51.30 ng

RT: 8.91 min Scan# 597

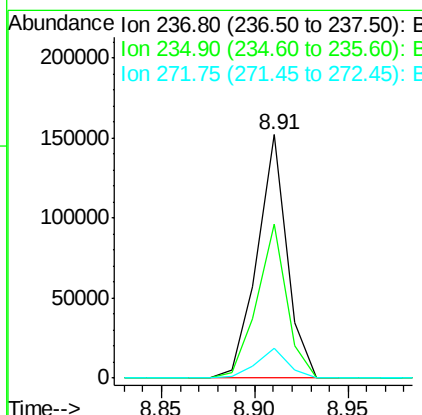
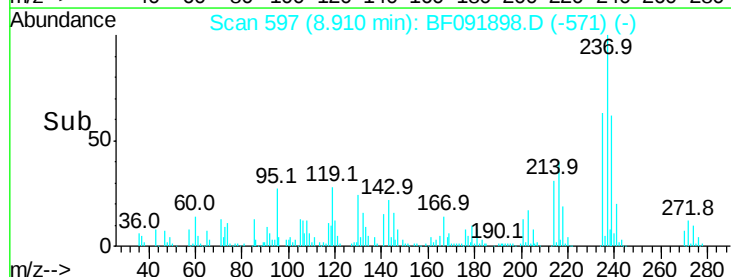
Delta R.T. 0.00 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49



Tgt Ion	Ratio	Resp	Lower	Upper
237	100	170891		
235	63.3	41.2	81.2	
272	12.2	0.0	35.4	





#41

2,4,6-Tribromophenol

Concen: 130.15 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.02 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

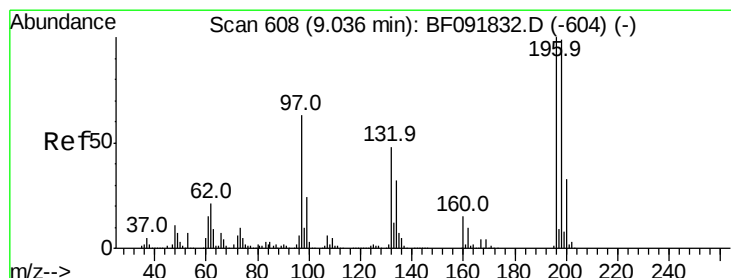
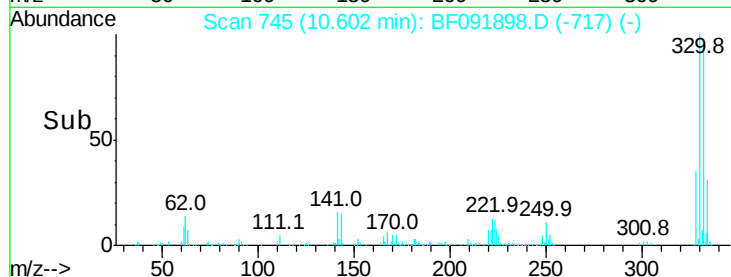
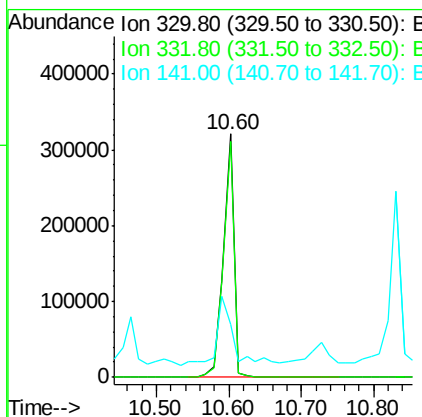
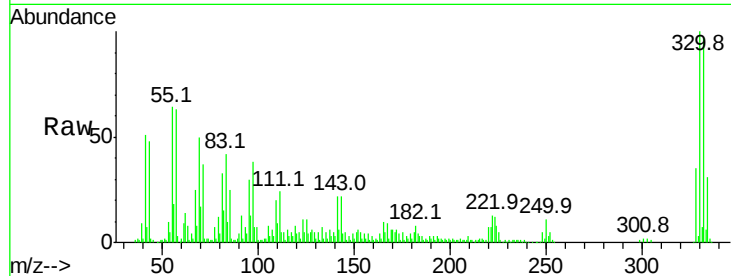
ClientSampleId :

B-5MSD

Tot Ion:	330	Resp:	328521
Ion Ratio	Lower	Upper	
330	100		
332	96.9	77.4	116.2
141	41.9	34.1	51.1

Manual Integrations
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#42

2,4,6-Trichlorophenol

Concen: 47.50 ng

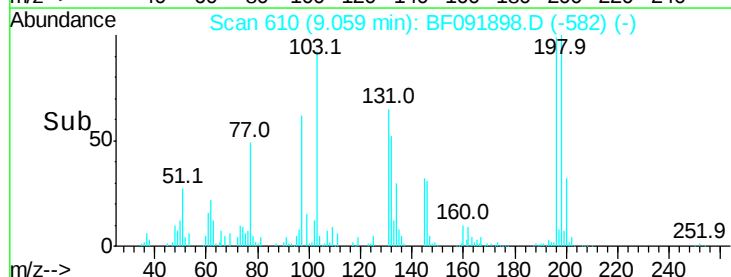
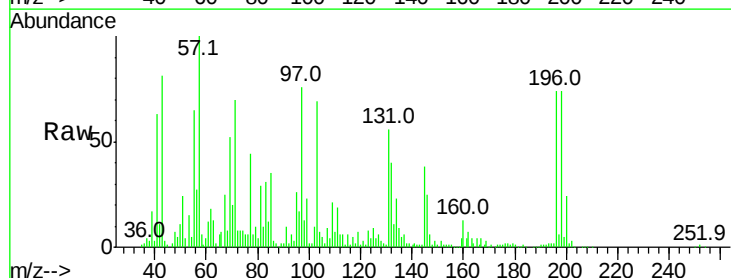
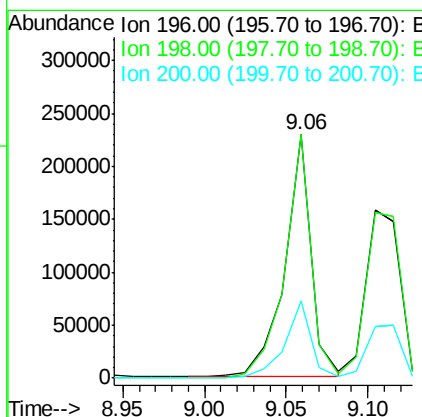
RT: 9.06 min Scan# 610

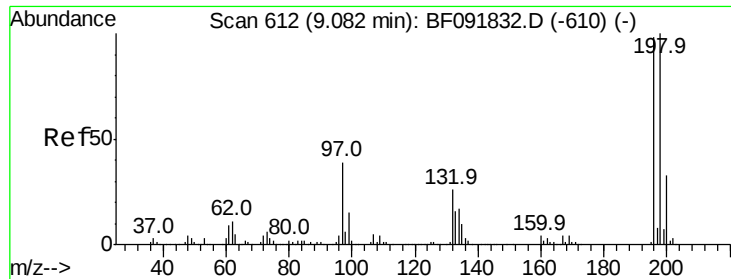
Delta R.T. 0.02 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Tgt Ion:	196	Resp:	256005
Ion Ratio	Lower	Upper	
196	100		
198	100.0	82.1	123.1
200	32.0	27.0	40.4





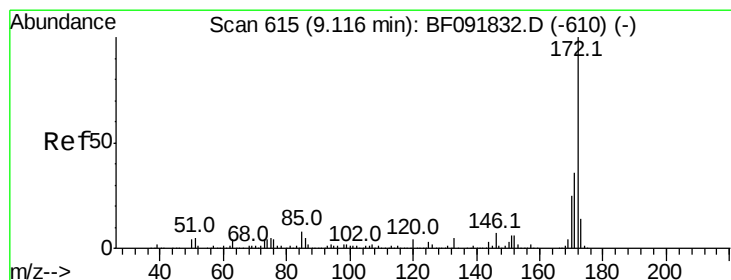
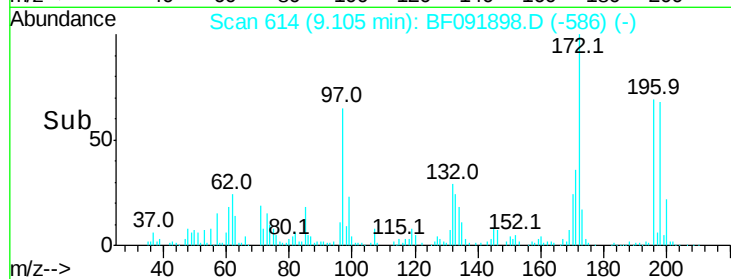
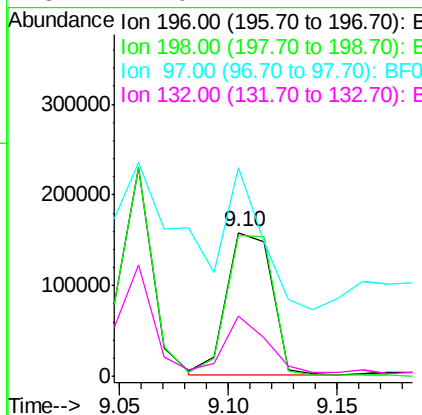
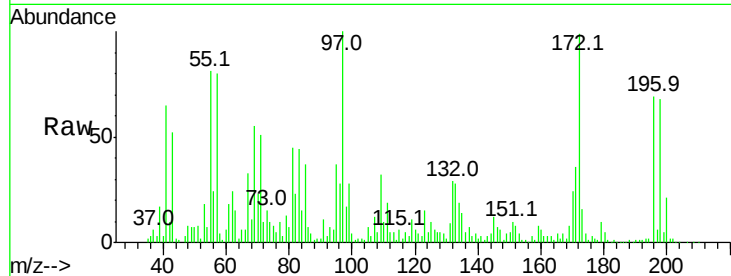
#43
2,4,5-Trichlorophenol
Concen: 40.50 ng
RT: 9.10 min Scan# 614
Delta R.T. 0.02 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Instrument :
BNA_F
ClientSampleId :
B-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	224613		
198	98.2	79.4	119.2	
97	145.4	51.5	77.3#	
132	42.0	27.4	41.2#	

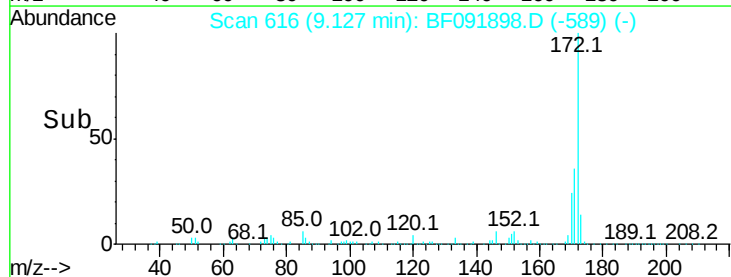
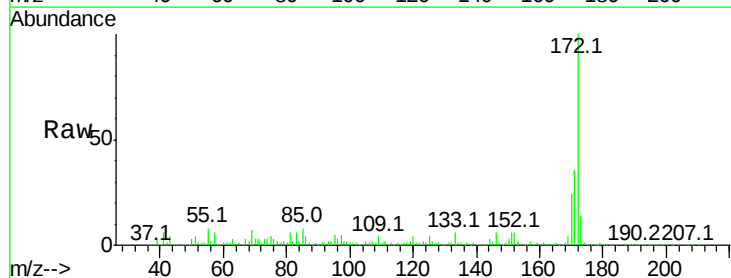
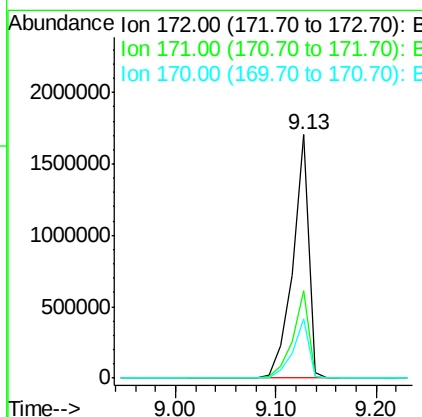
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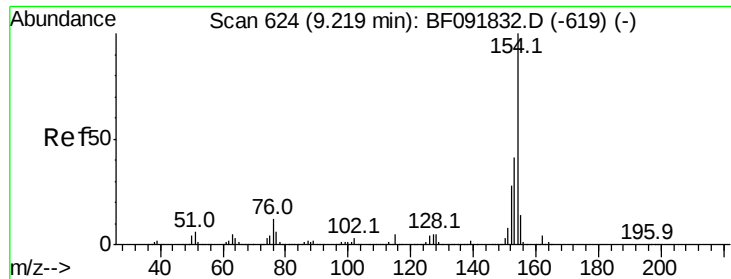
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#44
2-Fluorobiphenyl
Concen: 132.18 ng
RT: 9.13 min Scan# 616
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1861090		
171	36.1	29.4	44.0	
170	24.5	20.2	30.4	





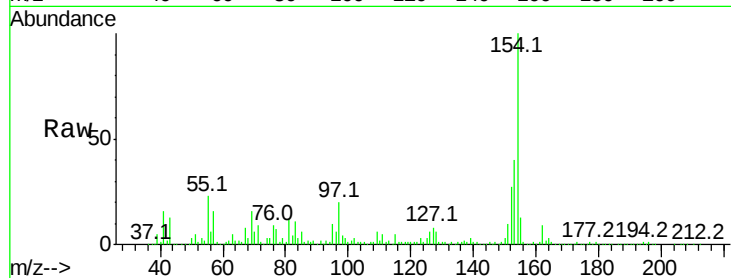
#45
1,1'-Biphenyl
Concen: 58.55 ng
RT: 9.23 min Scan# 625
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Instrument :
BNA_F
ClientSampled :
B-5MSD

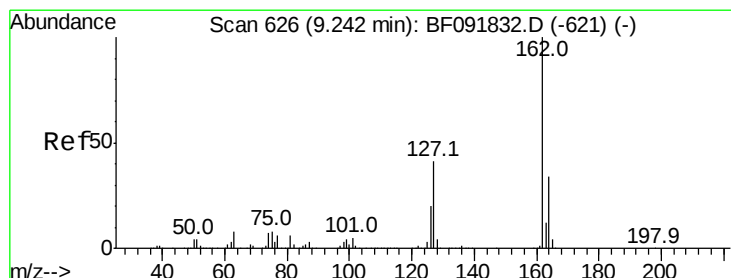
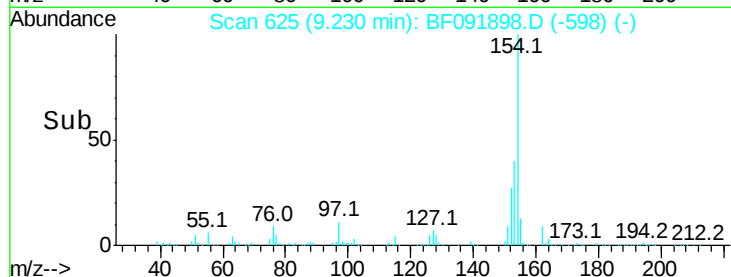
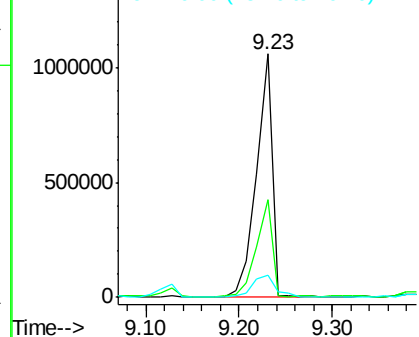
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.9	60.9
76	9.1	0.0	30.5

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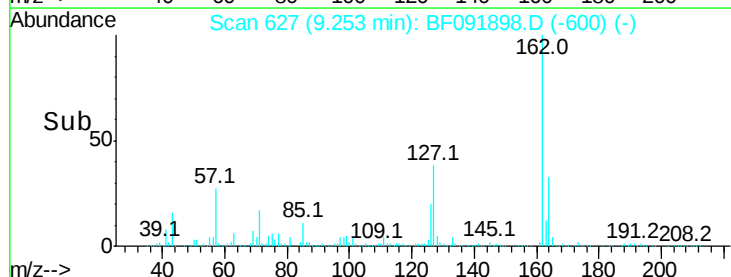
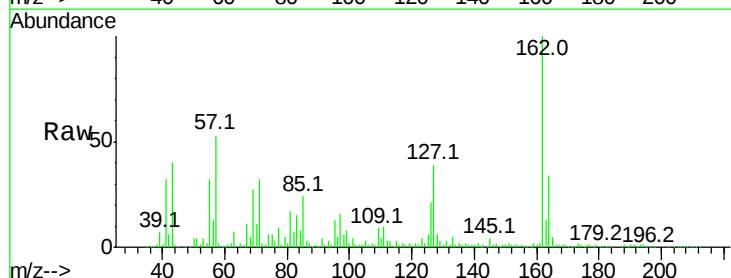
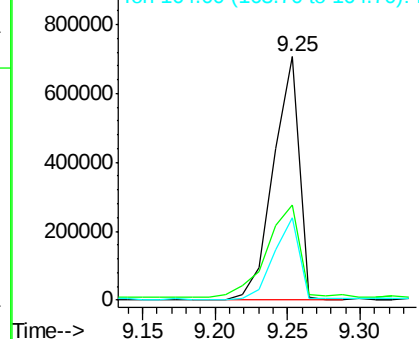
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

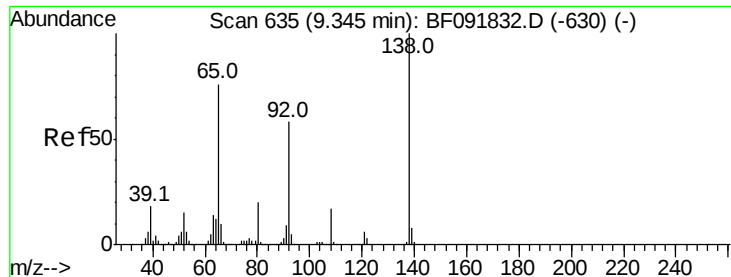


#46
2-Chloronaphthalene
Concen: 52.66 ng
RT: 9.25 min Scan# 627
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.3	30.7	46.1
164	33.7	27.6	41.4

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: 56.22 ng

RT: 9.36 min Scan# 636

Delta R.T. 0.01 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

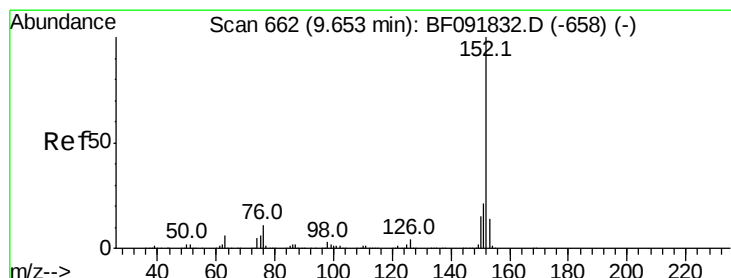
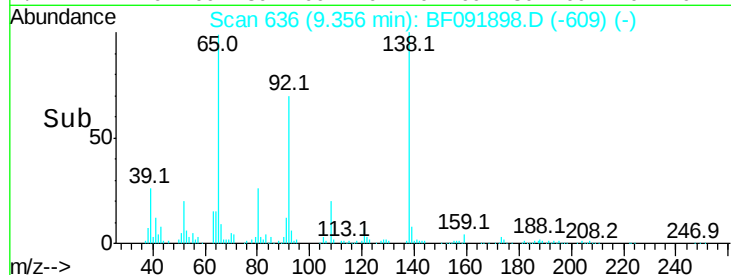
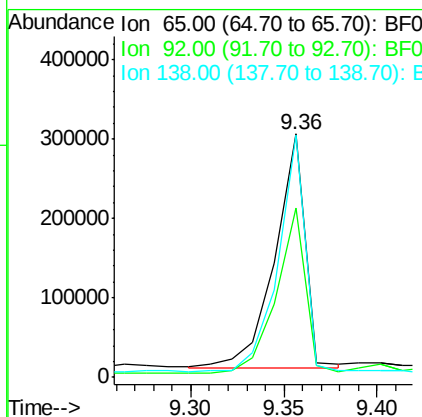
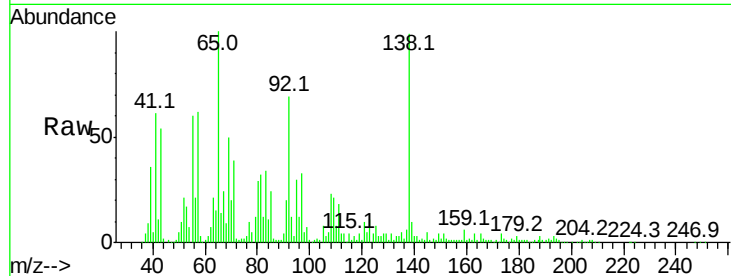
ClientSampleId :

B-5MSD

Tot Ion:	65	Resp:	331043
Ion Ratio	Lower	Upper	
65	100		
92	69.5	53.9	80.9
138	99.3	76.8	115.2

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#48

Acenaphthylene

Concen: 49.74 ng

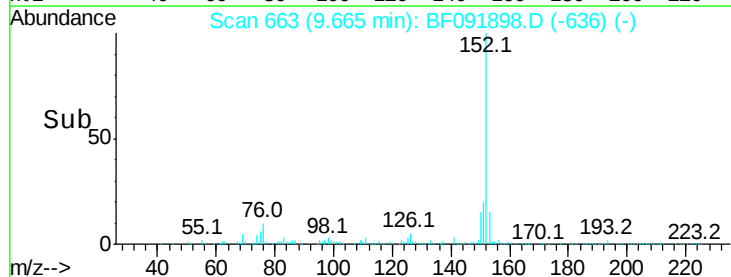
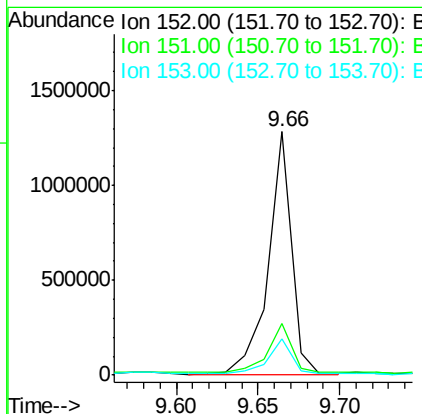
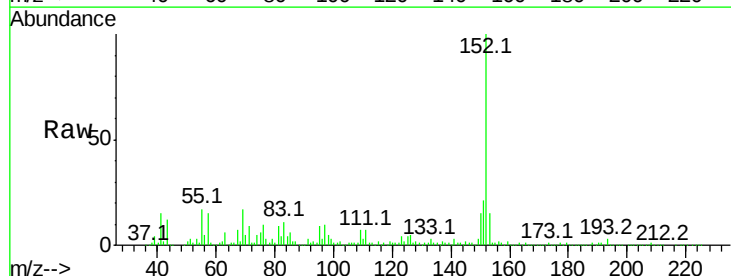
RT: 9.66 min Scan# 663

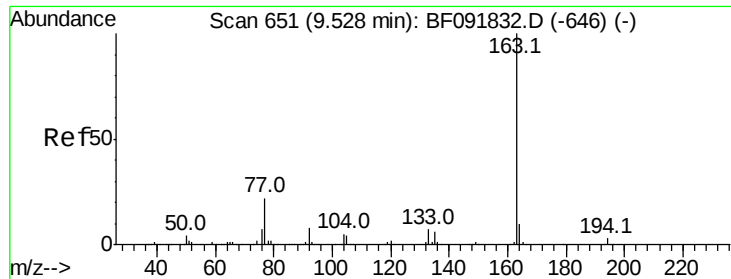
Delta R.T. 0.01 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Tgt Ion:	152	Resp:	1265138
Ion Ratio	Lower	Upper	
152	100		
151	21.4	16.9	25.3
153	15.0	11.4	17.2





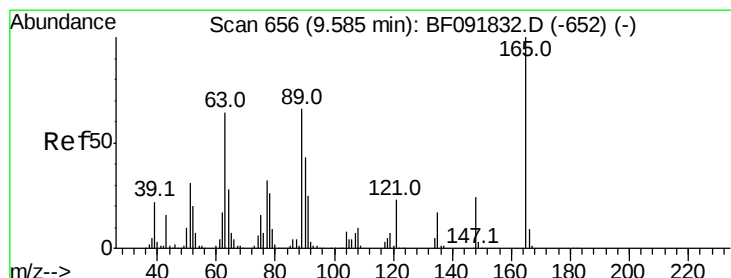
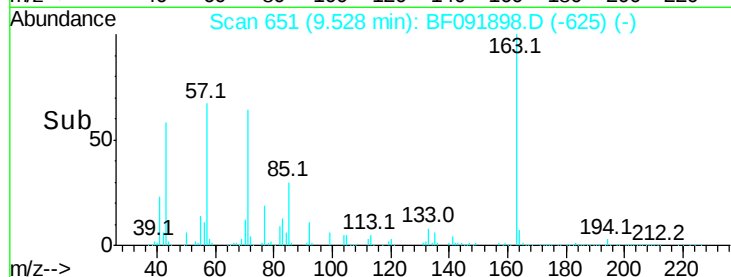
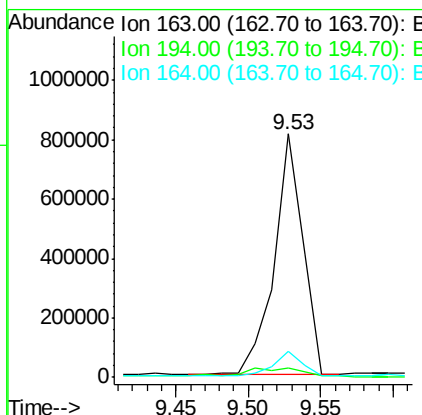
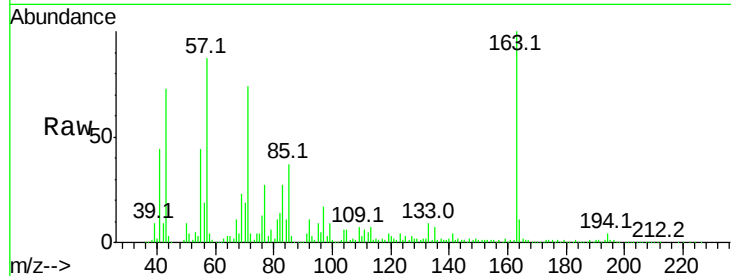
#49
Dimethylphthalate
Concen: 56.98 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.00 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Instrument :
BNA_F
ClientSampleId :
B-5MSD

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.4
164	10.9	8.0	12.0

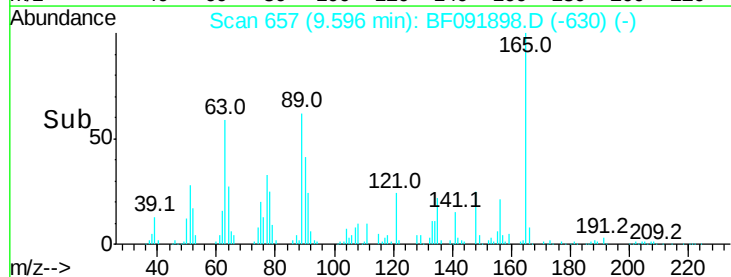
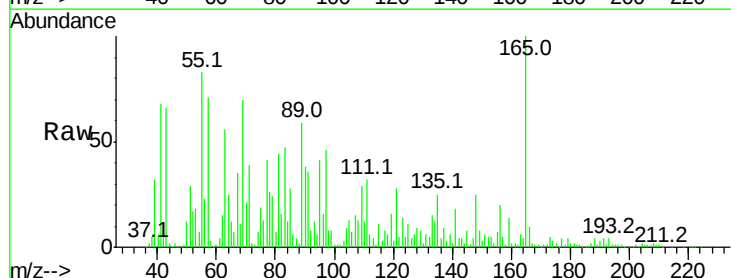
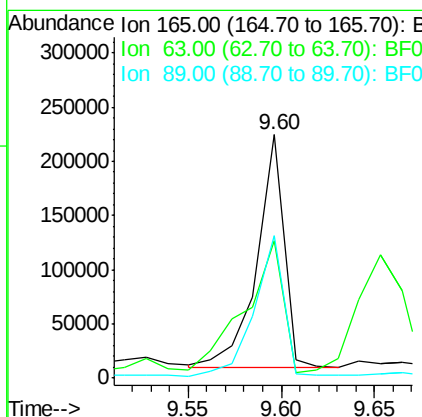
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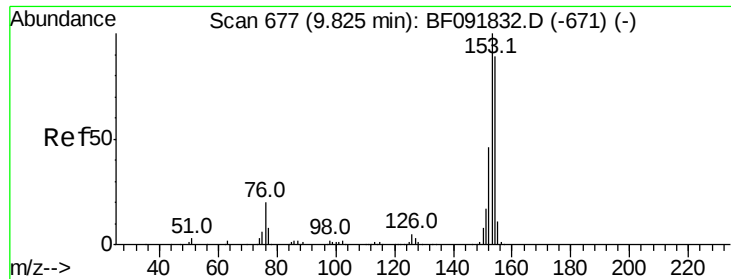
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#50
2,6-Dinitrotoluene
Concen: 50.17 ng
RT: 9.60 min Scan# 657
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	56.5	36.2	54.4#
89	58.7	40.2	60.4





#51

Acenaphthene

Concen: 45.58 ng

RT: 9.84 min Scan# 678

Delta R.T. 0.01 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

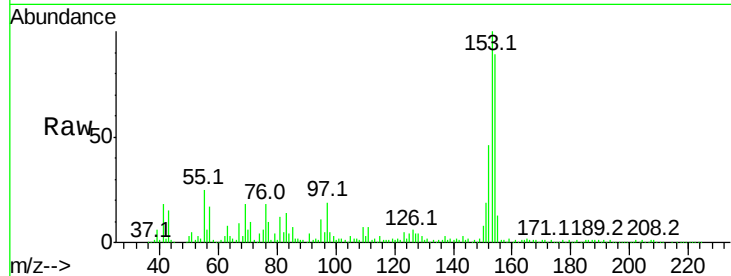
ClientSampleId :

B-5MSD

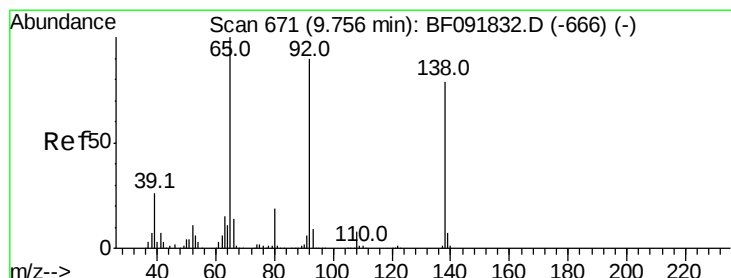
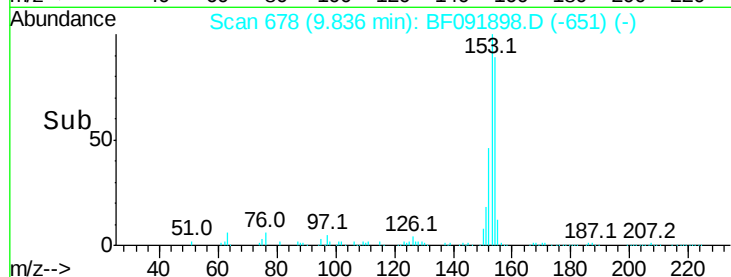
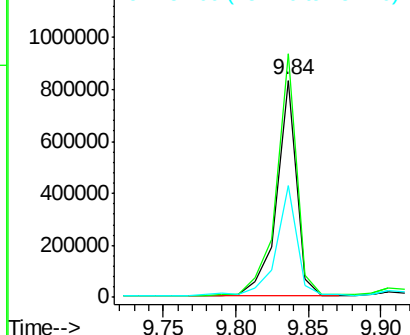
Tot Ion:	154	Resp:	786030
Ion Ratio	Lower	Upper	
154	100		
153	112.3	88.6	133.0
152	51.7	41.6	62.4

Manual Integrations
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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: 42.43 ng

RT: 9.77 min Scan# 672

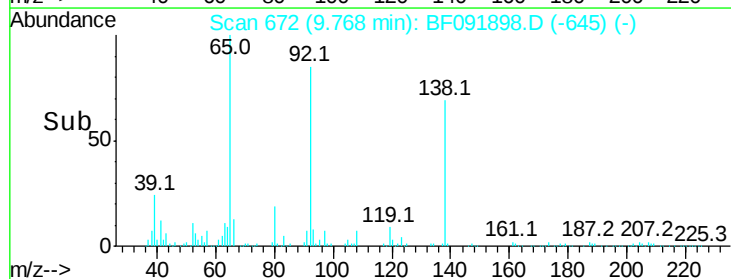
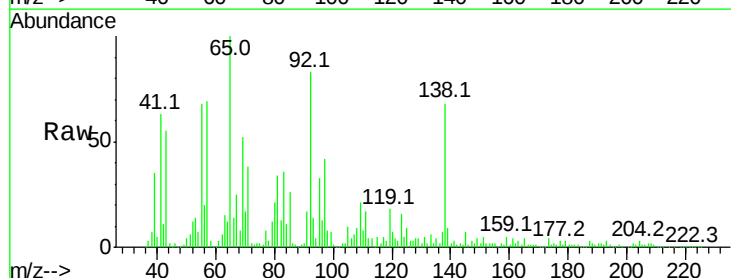
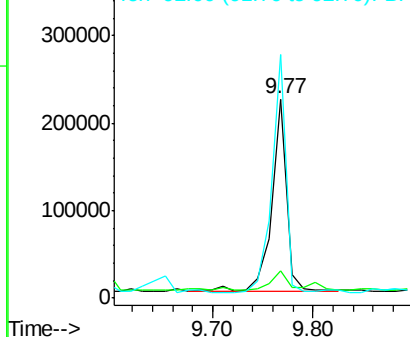
Delta R.T. 0.01 min

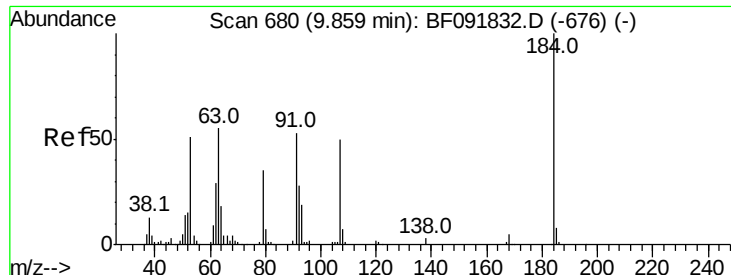
Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Tgt Ion:	138	Resp:	224188
Ion Ratio	Lower	Upper	
138	100		
108	13.9	8.5	12.7#
92	122.3	97.8	146.8

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





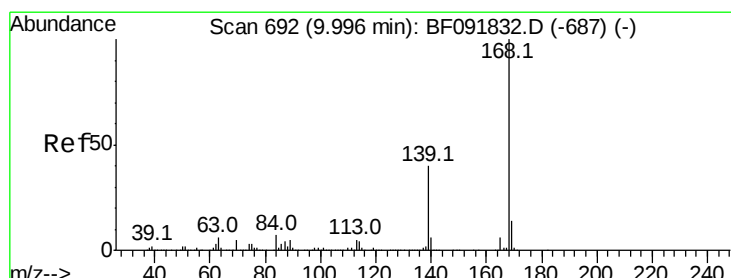
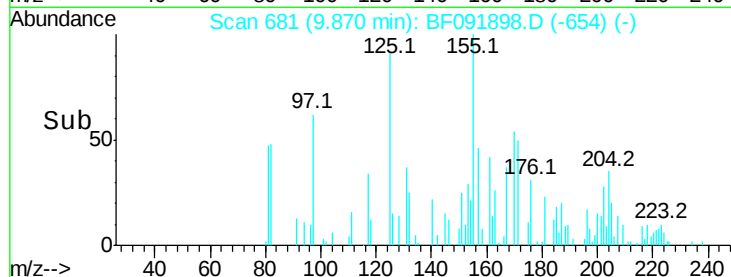
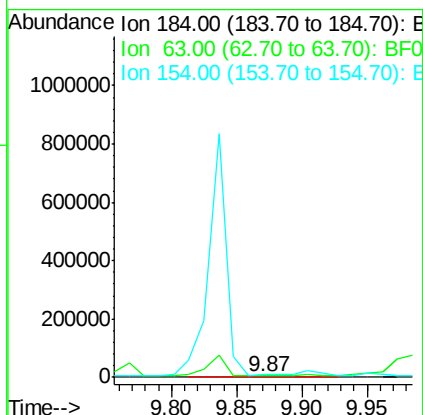
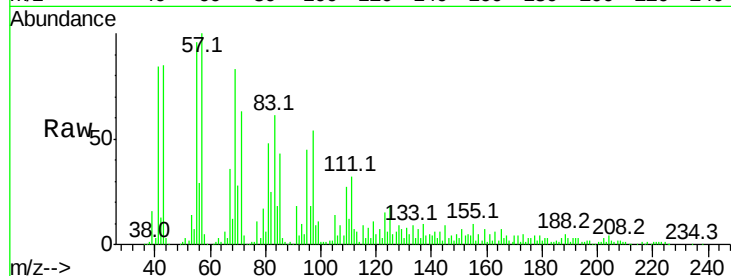
#53
2,4-Dinitrophenol
Concen: 2.13 na
RT: 9.87 min Scan# 681
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Instrument :
BNA_F
ClientSampleId :
B-5MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	212.0	28.4	42.6#
154	256.0	44.3	66.5#

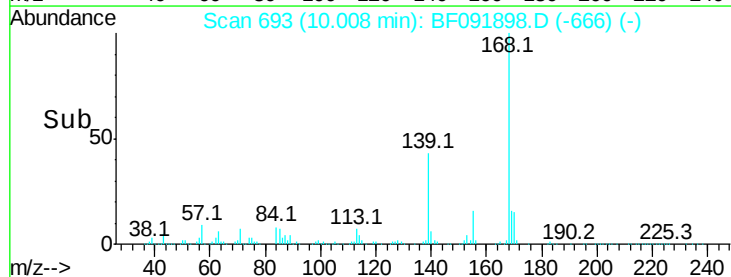
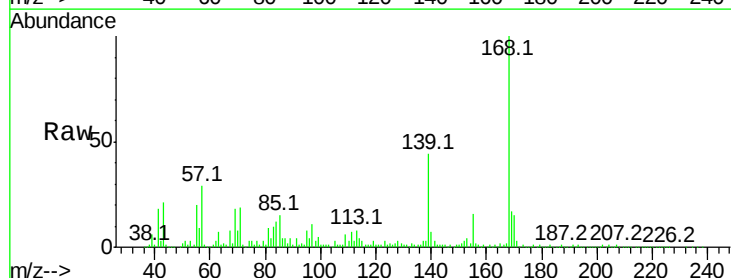
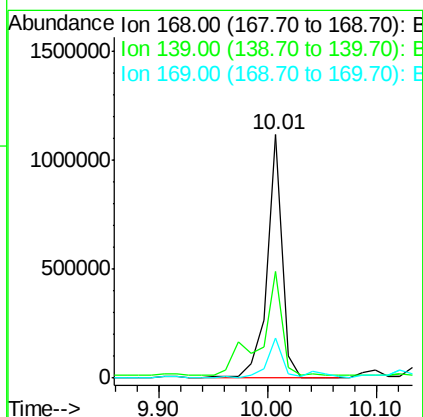
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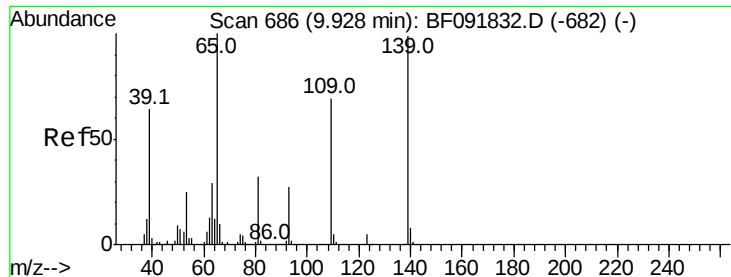
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#54
Dibenzofuran
Concen: 45.98 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Lower	Upper
168	100		
139	44.0	32.6	49.0
169	16.6	11.3	16.9





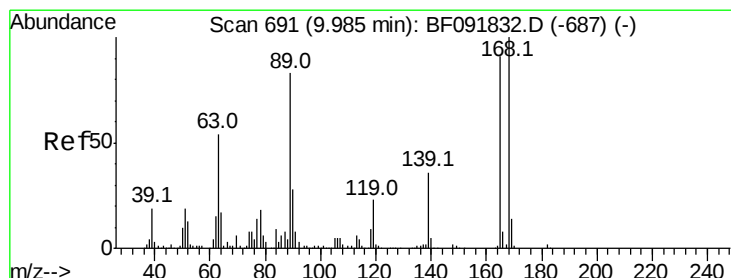
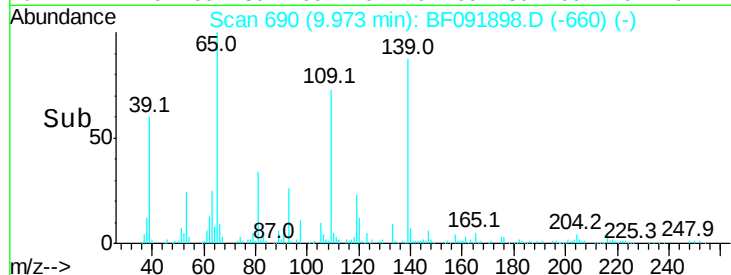
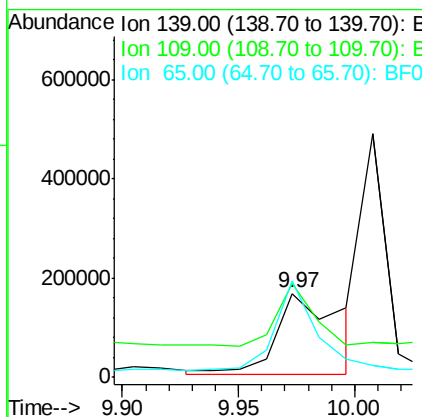
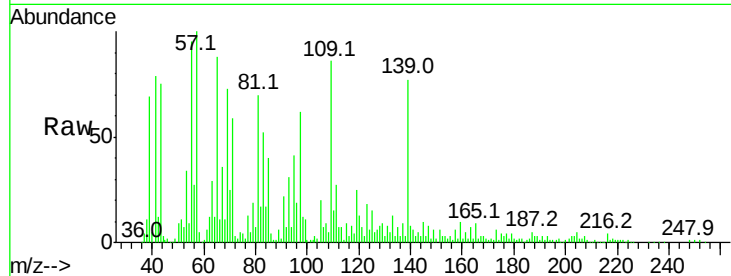
#55
4-Nitrophenol
Concen: 87.50 ng/ml
RT: 9.97 min Scan# 690
Delta R.T. 0.05 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Instrument :
BNA_F
ClientSampleId :
B-5MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	111.6	52.2	92.2#
65	114.2	85.8	125.8

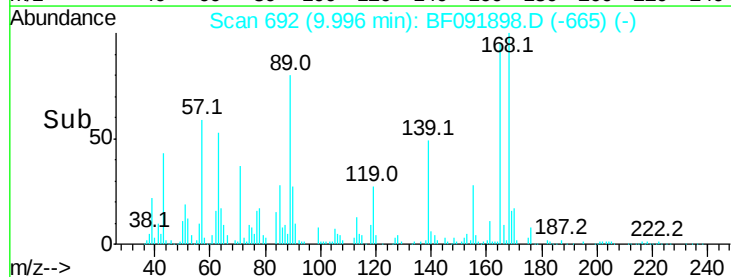
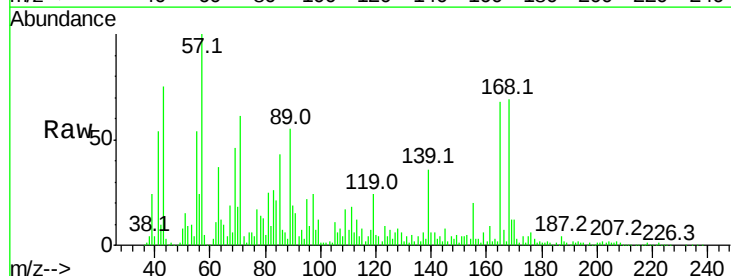
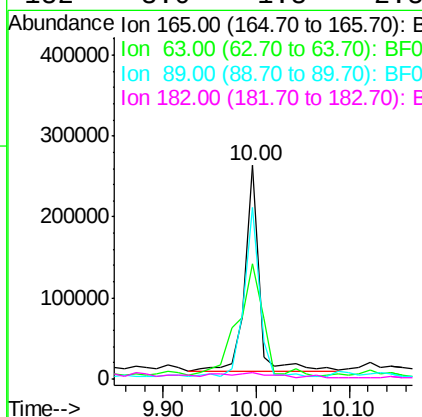
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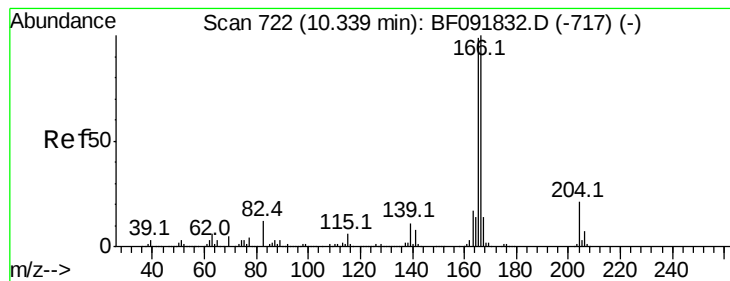
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#56
2,4-Dinitrotoluene
Concen: 49.70 ng
RT: 10.00 min Scan# 692
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	54.1	40.2	60.4
89	80.3	62.5	93.7
182	3.0	1.8	2.8#





#57

Fluorene

Concen: 50.76 ng

RT: 10.35 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

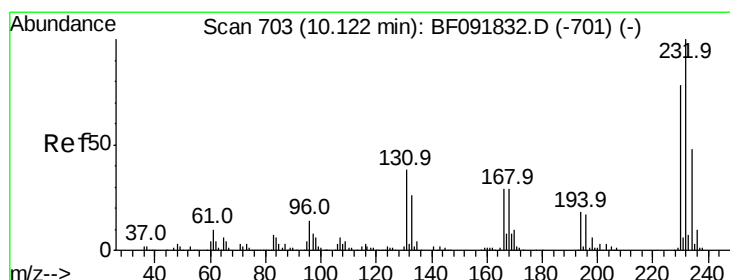
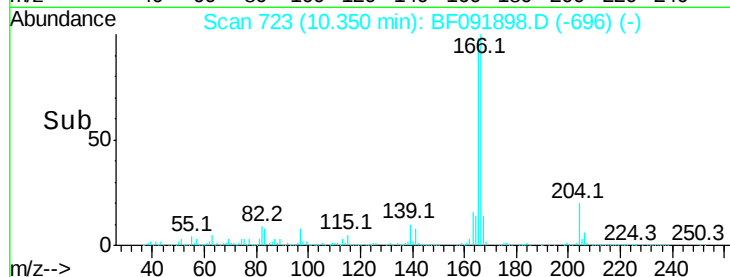
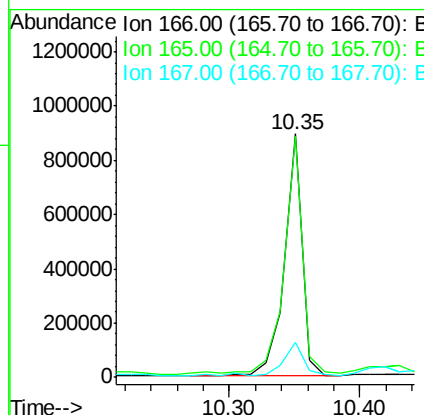
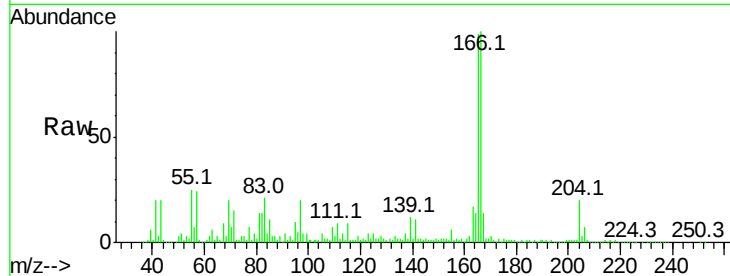
ClientSampleId :

B-5MSD

Tot Ion:	166	Resp:	860027
Ion Ratio	Lower	Upper	
166	100		
165	99.1	77.8	116.8
167	14.5	10.8	16.2

Manual Integrations
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#58

2,3,4,6-Tetrachlorophenol

Concen: 35.27 ng

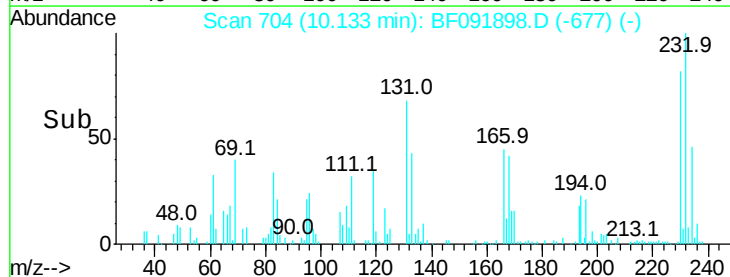
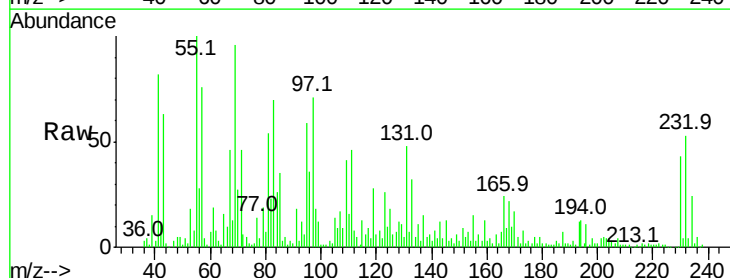
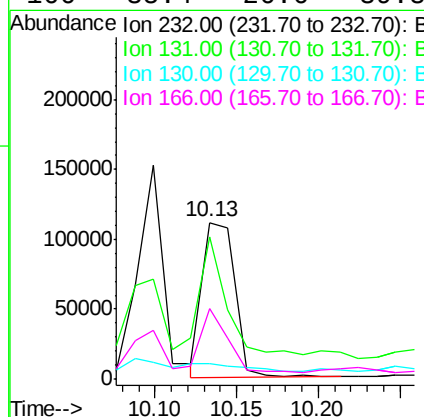
RT: 10.13 min Scan# 704

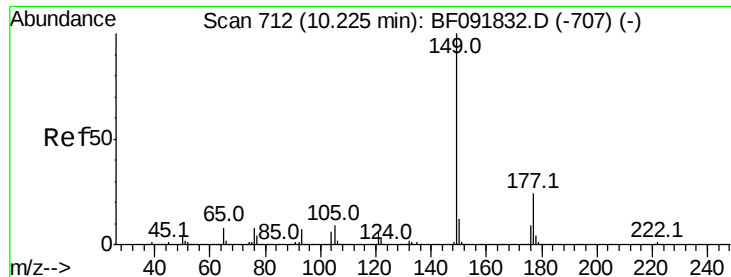
Delta R.T. 0.01 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Tgt Ion:	232	Resp:	154709
Ion Ratio	Lower	Upper	
232	100		
131	67.6	40.1	60.1#
130	0.0	1.8	2.8#
166	35.4	26.6	39.8





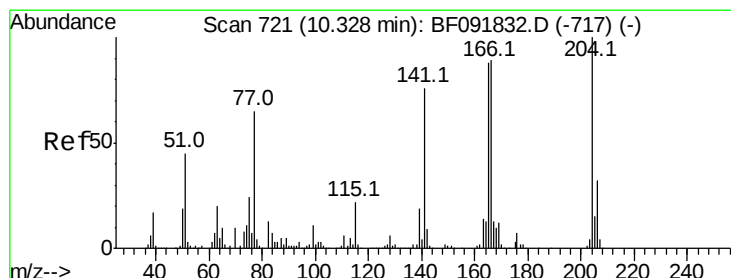
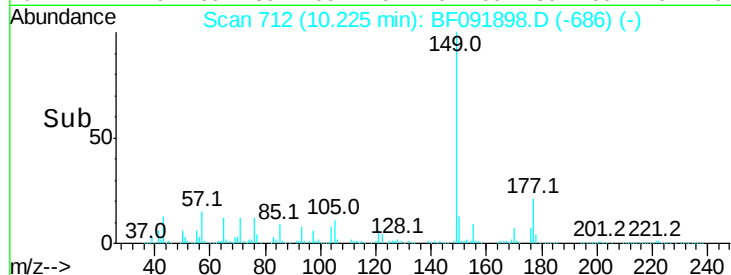
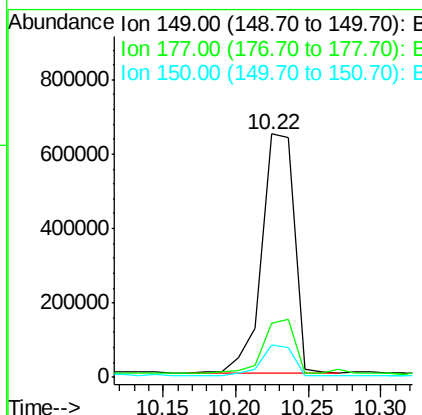
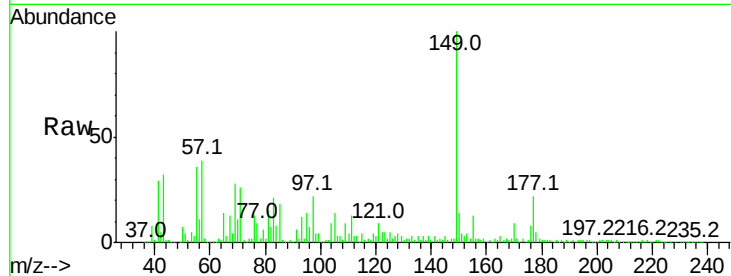
#59
Diethylphthalate
Concen: 52.50 ng
RT: 10.22 min Scan# 712
Delta R.T. -0.00 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Instrument :
BNA_F
ClientSampleId :
B-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	994536		
177	22.1	16.6	25.0	
150	13.5	10.4	15.6	

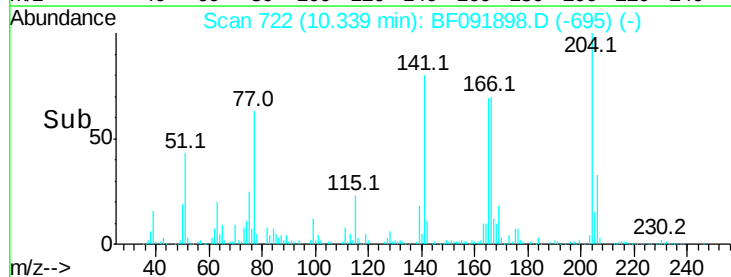
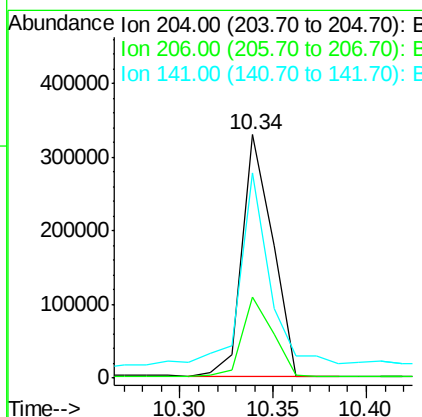
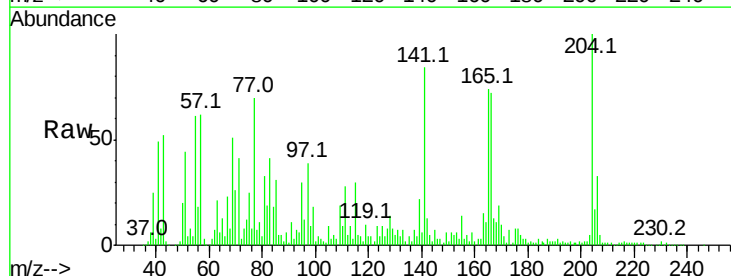
Manual Integrations
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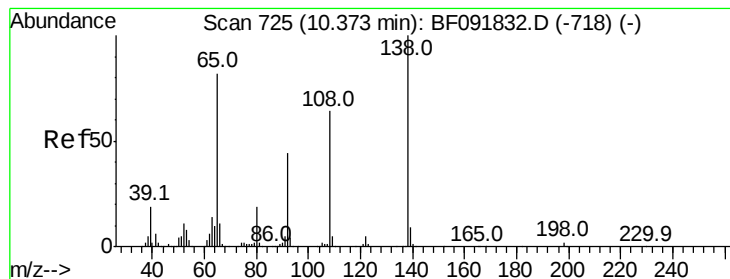
SOHIL
12/23/2016 5:54:13 PM



#60
4-Chlorophenyl-phenylether
Concen: 50.22 ng
RT: 10.34 min Scan# 722
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	372580		
206	33.4	25.8	38.6	
141	84.5	59.4	89.0	





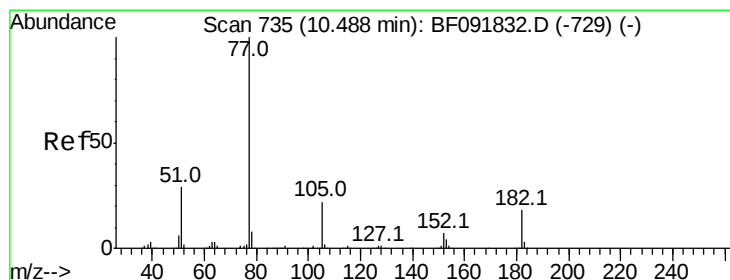
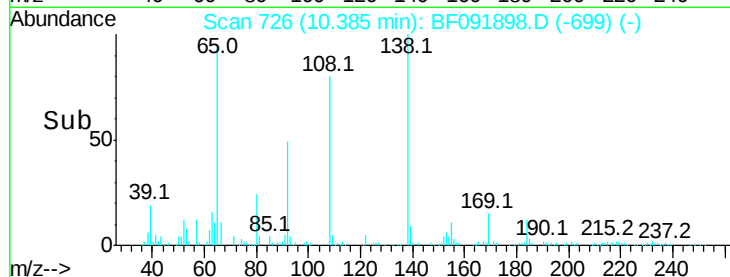
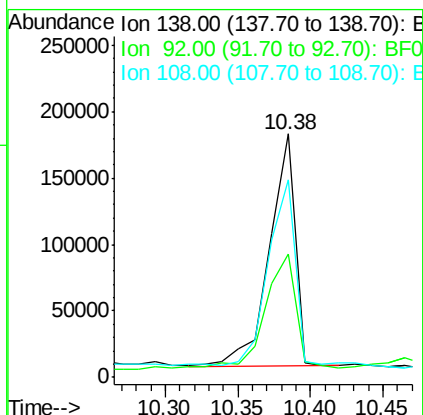
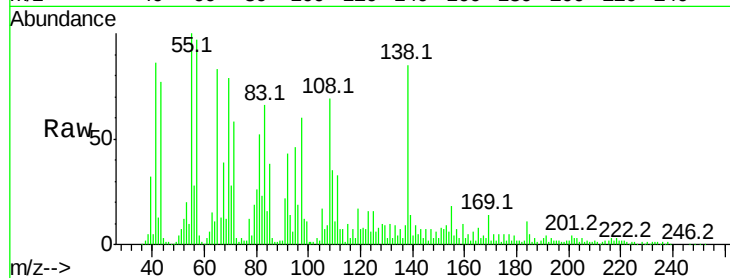
#61
4-Nitroaniline
Concen: 39.48 ng
RT: 10.38 min Scan# 726
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Instrument :
BNA_F
ClientSampled :
B-5MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	50.4	31.7	71.7
108	80.9	52.6	92.6

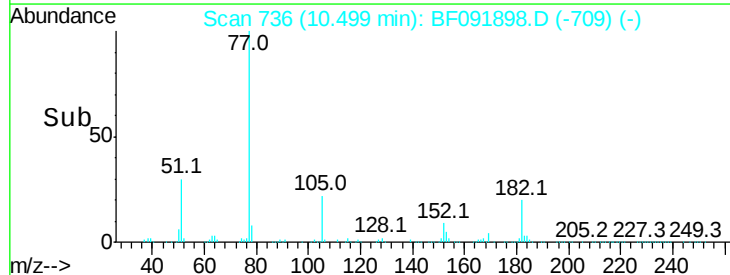
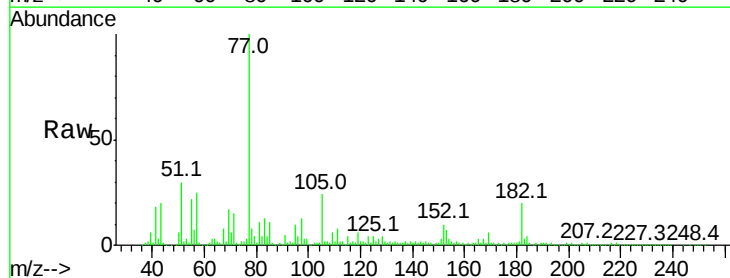
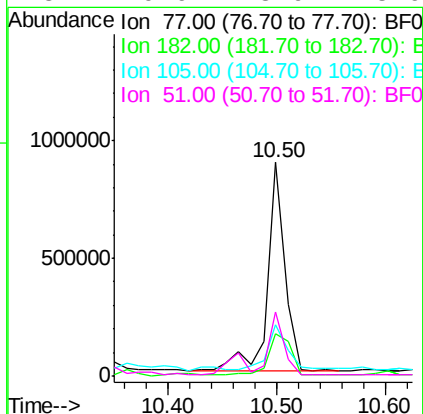
Manual Integrations
APPROVED

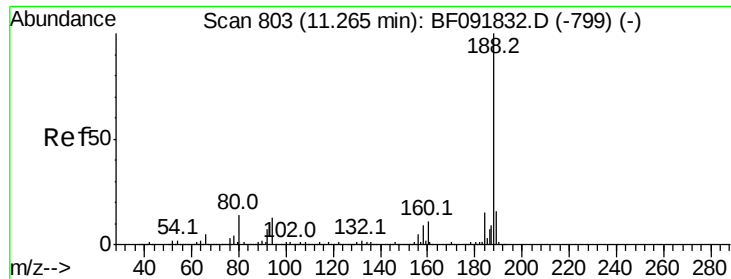
SOHIL
12/23/2016 5:54:13 PM



#62
Azobenzene
Concen: 47.72 ng
RT: 10.50 min Scan# 736
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Lower	Upper
77	100		
182	20.1	0.0	39.3
105	23.7	2.3	42.3
51	29.9	8.9	48.9





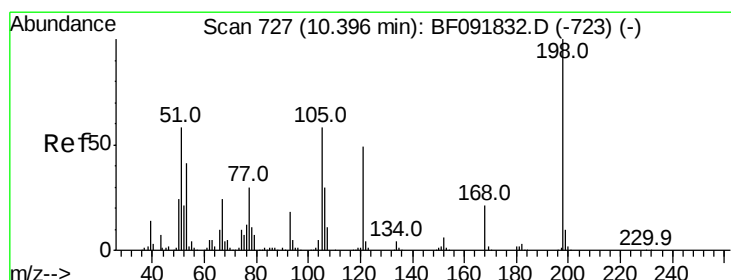
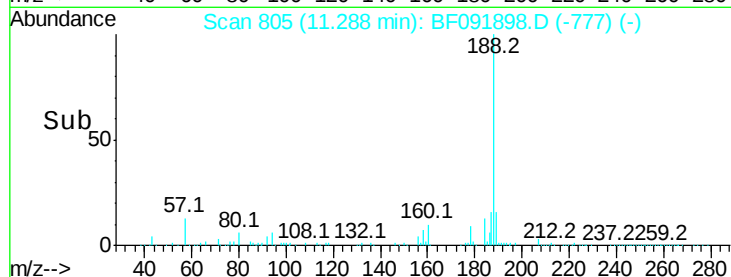
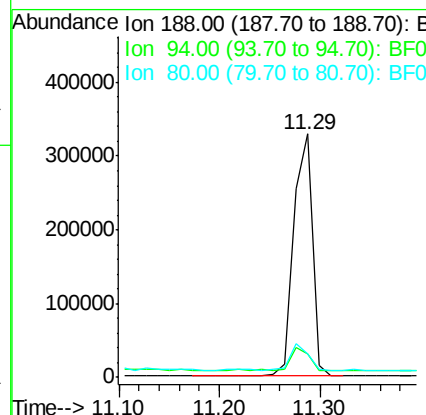
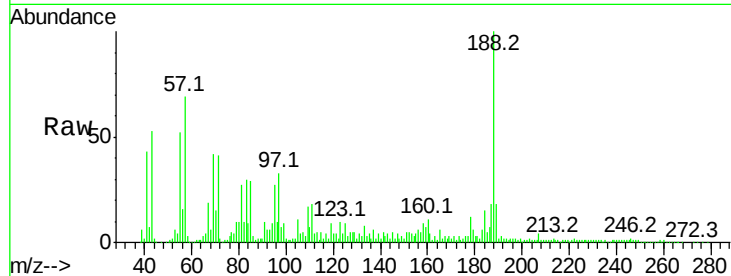
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. 0.02 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Instrument :
BNA_F
ClientSampleId :
B-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	424582		
94	9.4	10.0	15.0#	
80	9.9	11.2	16.8#	

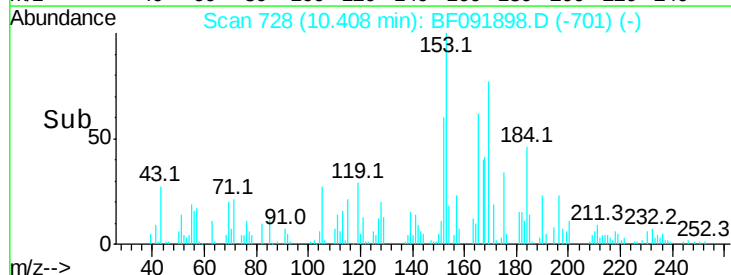
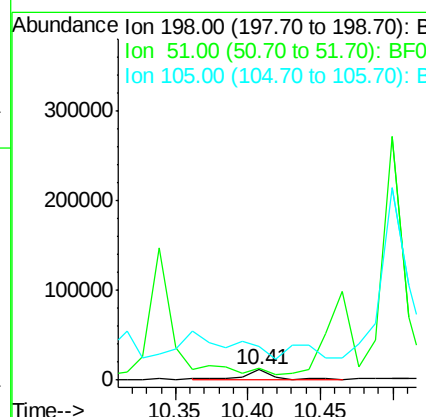
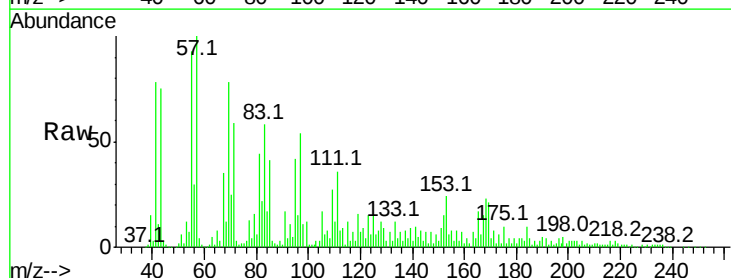
Manual Integrations
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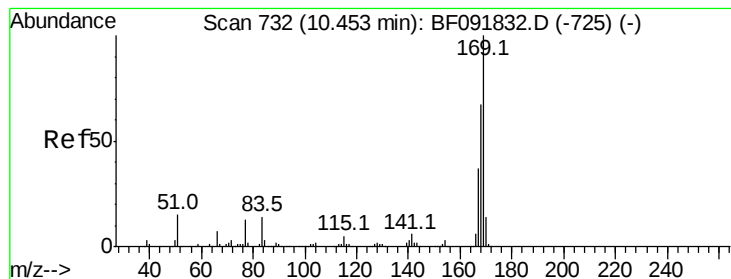
SOHIL
12/23/2016 5:54:13 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 4.61 ng
RT: 10.41 min Scan# 728
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	11826		
51	107.0	6.7	46.7#	
105	317.5	16.6	56.6#	





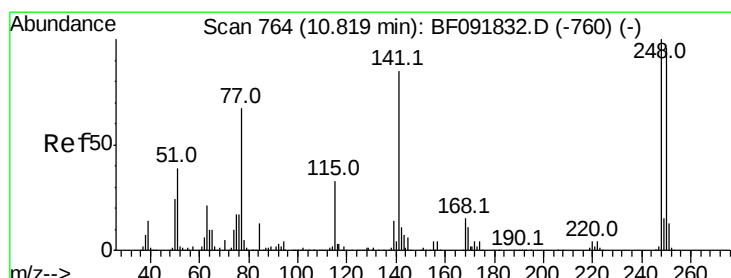
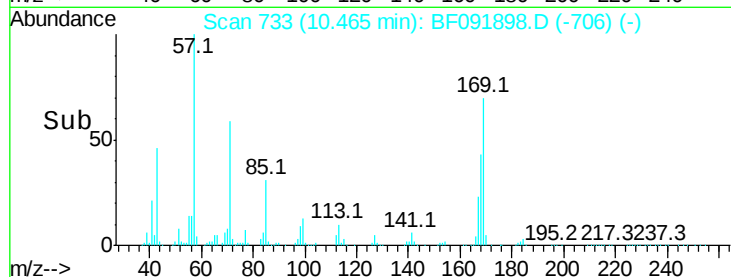
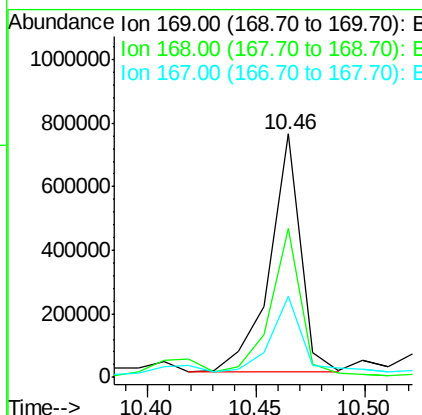
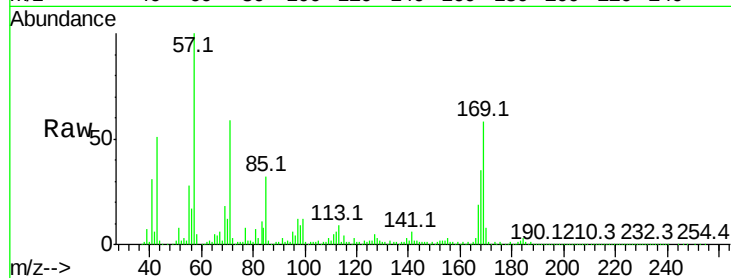
#65
n-Nitrosodiphenylamine
Concen: 59.36 ng
RT: 10.46 min Scan# 733
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Instrument :
BNA_F
ClientSampled :
B-5MSD

Tot Ion	Ratio	Lower	Upper
169	100		
168	61.1	54.2	81.2
167	33.5	30.2	45.4

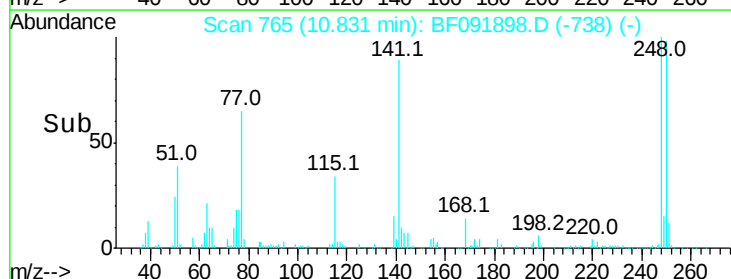
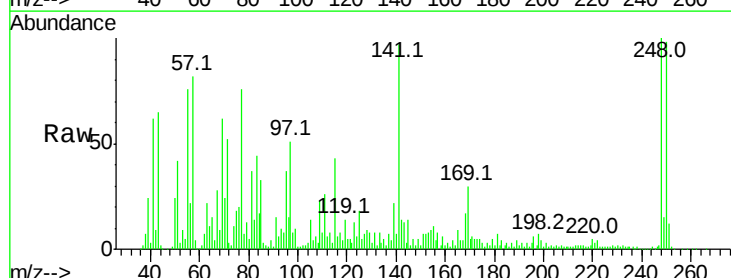
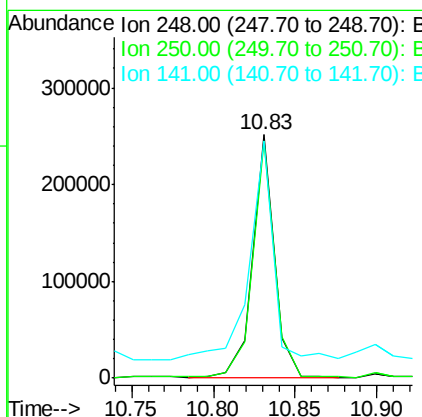
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#66
4-Bromophenyl-phenylether
Concen: 53.04 ng
RT: 10.83 min Scan# 765
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.5	76.9	115.3
141	97.4	68.2	102.4





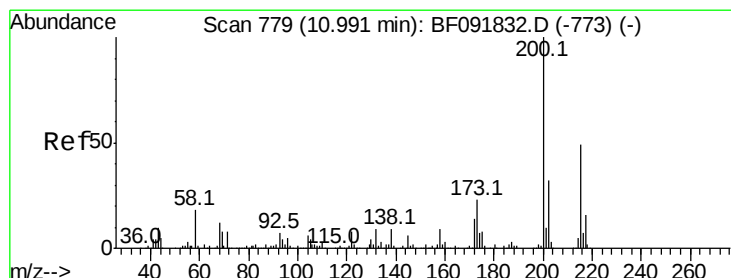
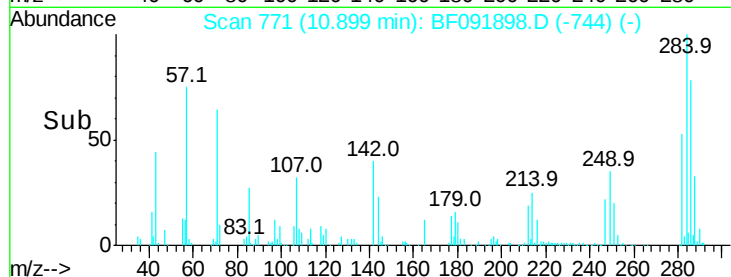
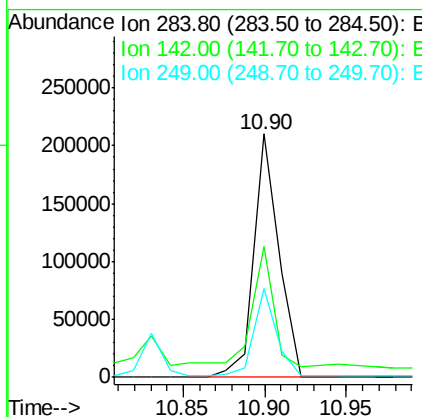
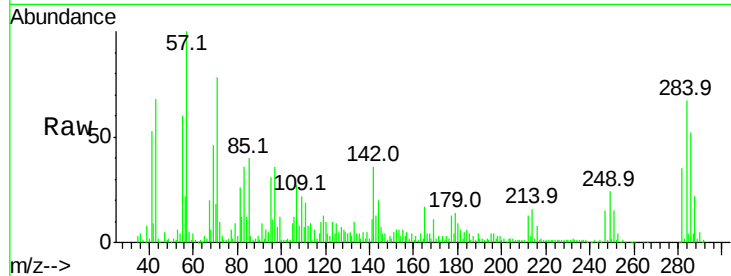
#67
Hexachlorobenzene
Concen: 47.38 ng
RT: 10.90 min Scan# 771
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Instrument :
BNA_F
ClientSampleId :
B-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	223665		
142	53.6	22.6	33.8#	
249	36.5	25.4	38.0	

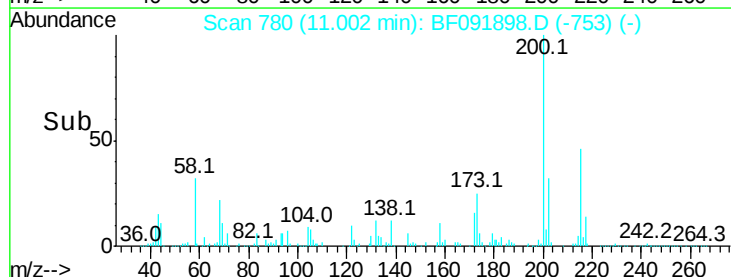
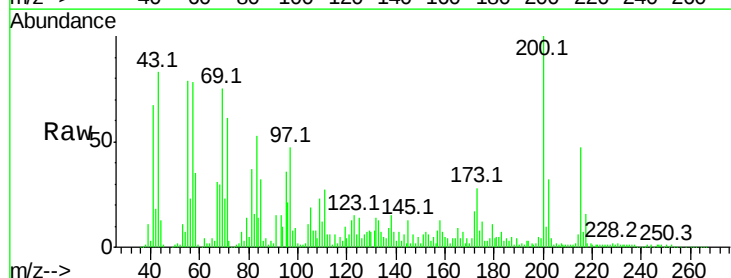
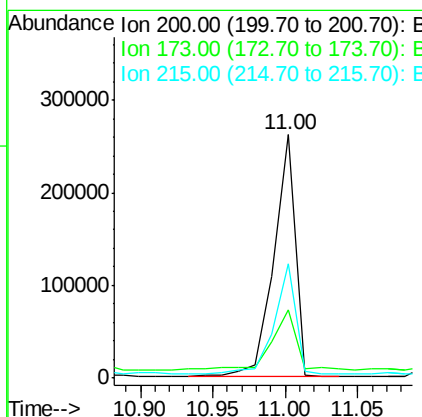
Manual Integrations
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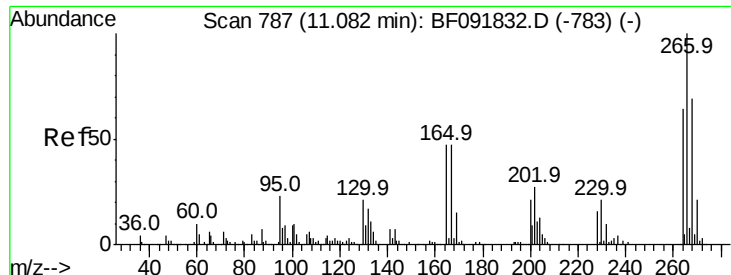
SOHIL
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#68
Atrazine
Concen: 65.51 ng
RT: 11.00 min Scan# 780
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	266240		
173	28.2	9.6	49.6	
215	46.8	25.7	65.7	





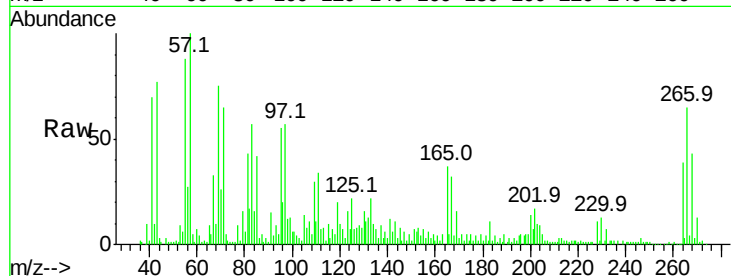
#69
 Pentachlorophenol
 Concen: 63.78 ng
 RT: 11.10 min Scan# 789
 Delta R.T. 0.02 min
 Lab File: BF091898.D
 Acq: 22 Dec 2016 20:49

Instrument :
 BNA_F
 ClientSampleId :
 B-5MSD

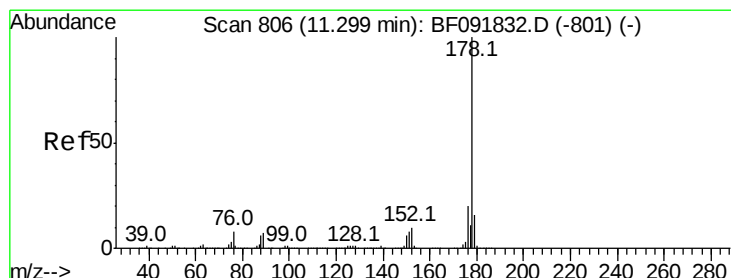
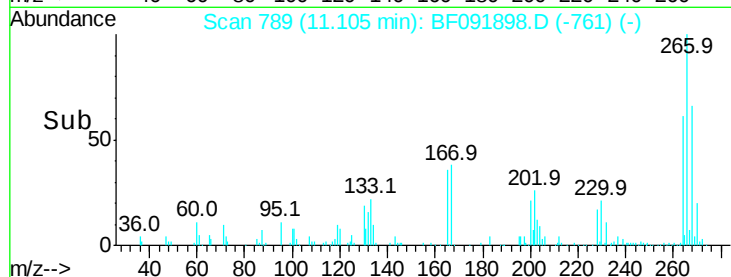
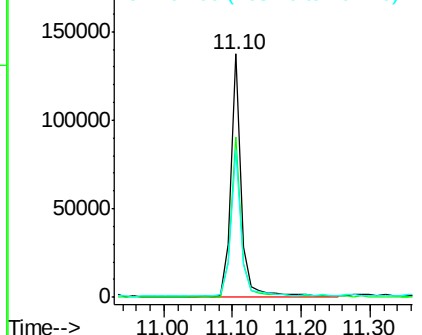
Tot Ion	Ratio	Lower	Upper
266	100		
268	65.7	53.3	79.9
264	60.7	50.3	75.5

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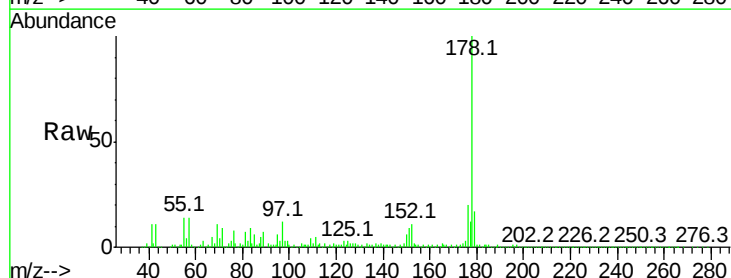


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

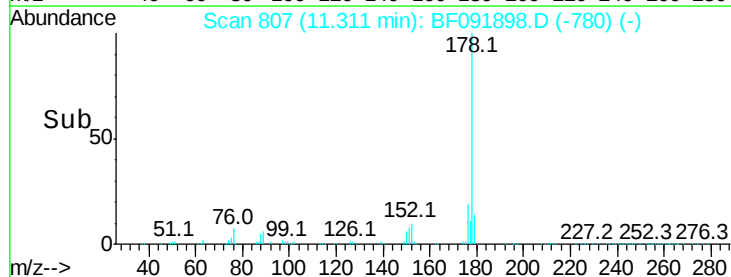
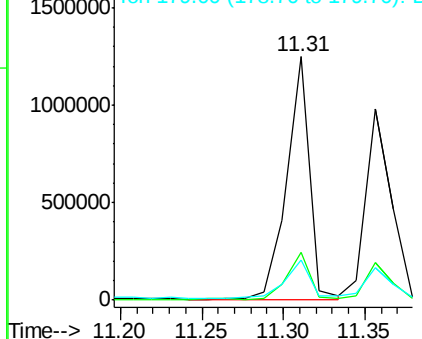


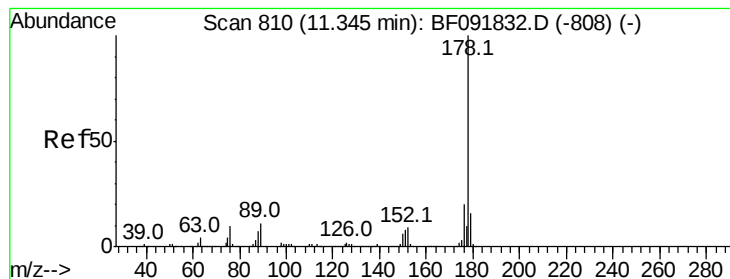
#70
 Phenanthrene
 Concen: 52.34 ng
 RT: 11.31 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: BF091898.D
 Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.6	25.0
179	16.5	12.8	19.2



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





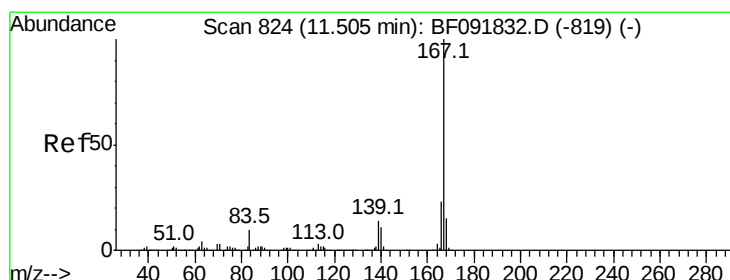
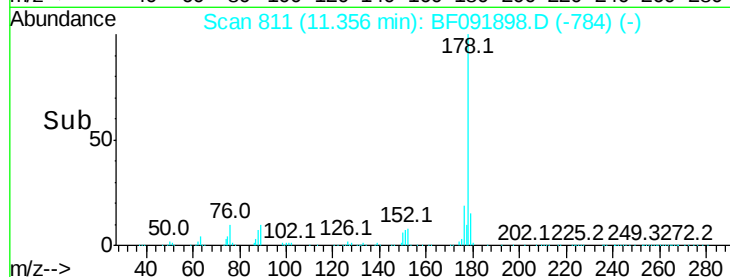
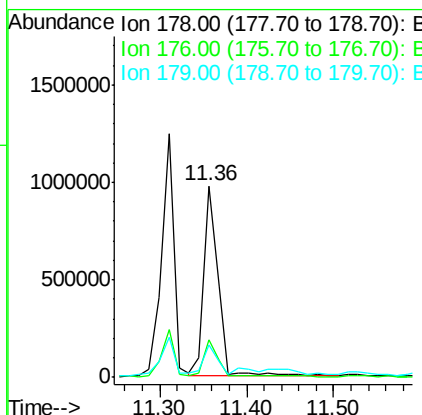
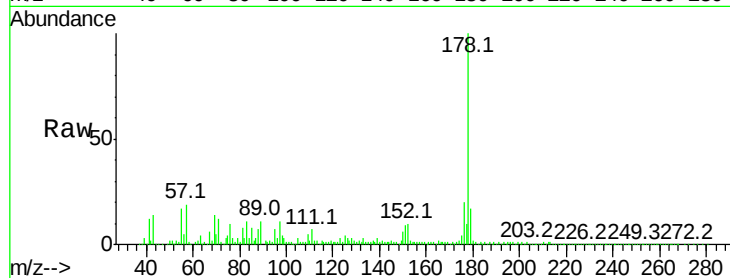
#71
 Anthracene
 Concen: 63.34 ng
 RT: 11.36 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: BF091898.D
 Acq: 22 Dec 2016 20:49

Instrument :
 BNA_F
 ClientSampleId :
 B-5MSD

Tot Ion:178 Resp: 1114446
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.9 23.9
 179 16.7 13.2 19.8

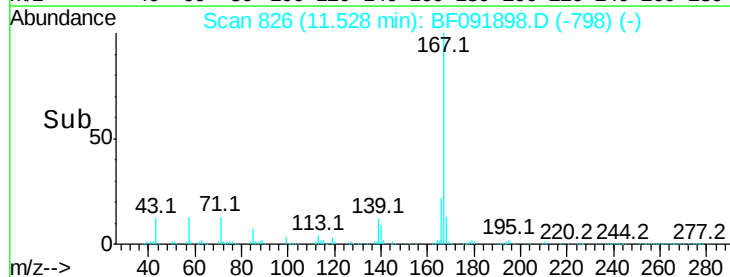
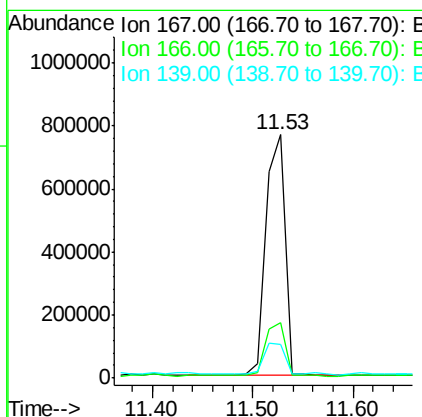
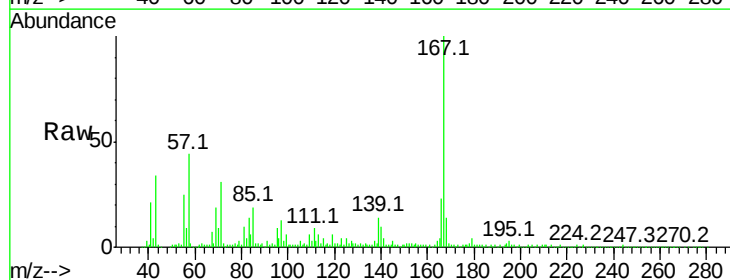
Manual Integrations
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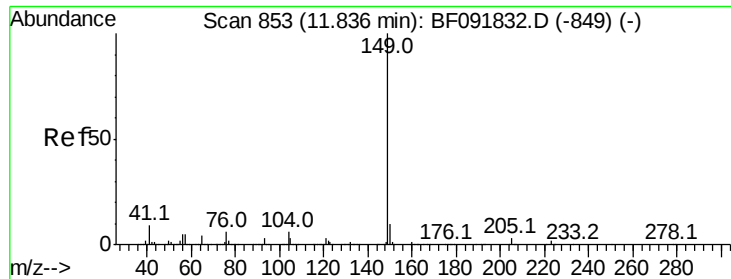
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#72
 Carbazole
 Concen: 47.38 ng
 RT: 11.53 min Scan# 826
 Delta R.T. 0.02 min
 Lab File: BF091898.D
 Acq: 22 Dec 2016 20:49

Tgt Ion:167 Resp: 1010724
 Ion Ratio Lower Upper
 167 100
 166 22.5 18.2 27.2
 139 13.9 11.4 17.2





#73

Di-n-butylphthalate

Concen: 68.11 ng

RT: 11.85 min Scan# 854

Delta R.T. 0.01 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

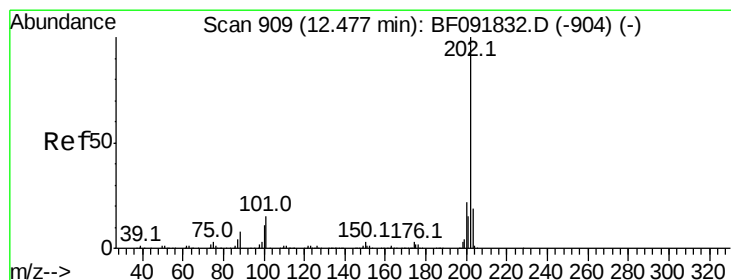
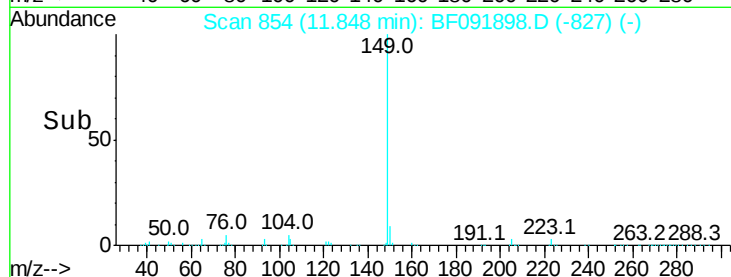
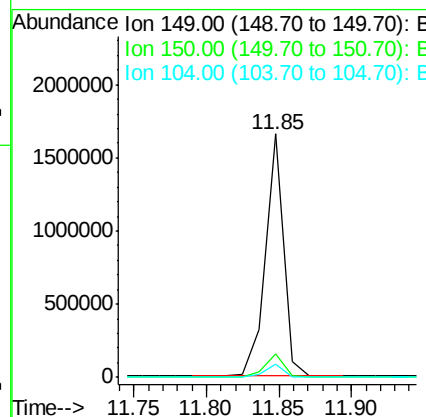
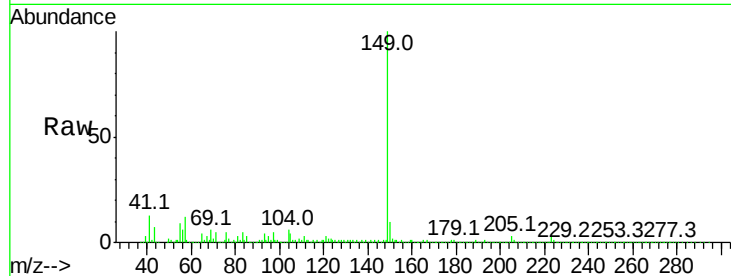
ClientSampleId :

B-5MSD

Tot Ion:	149	Resp:	1439956
Ion	Ratio	Lower	Upper
149	100		
150	9.7	8.1	12.1
104	5.6	4.6	7.0

Manual Integrations
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#74

Fluoranthene

Concen: 51.32 ng

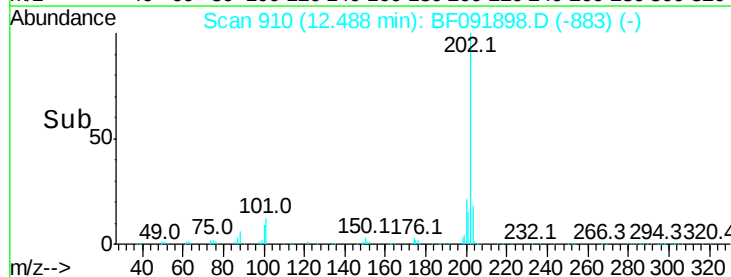
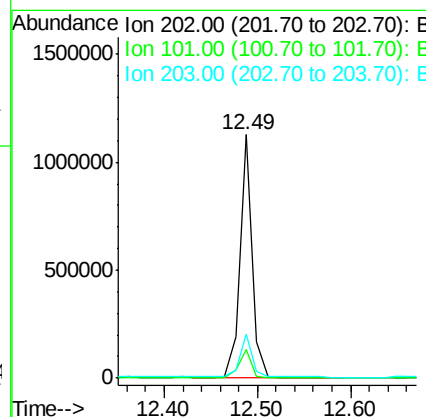
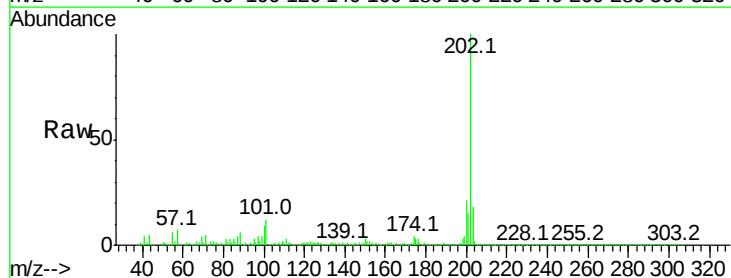
RT: 12.49 min Scan# 910

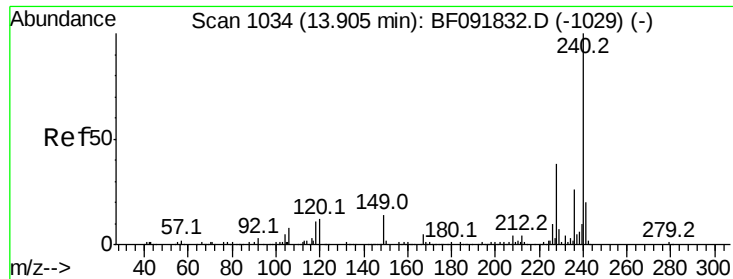
Delta R.T. 0.01 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Tgt Ion:	202	Resp:	1025723
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	34.6
203	18.1	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

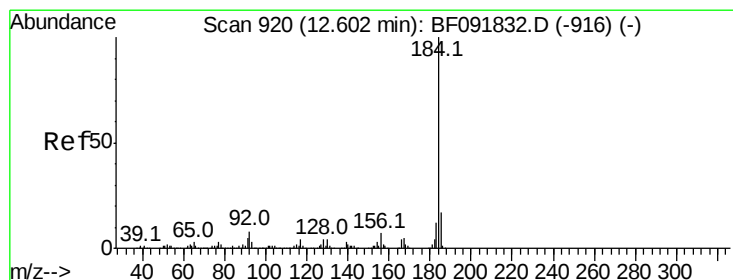
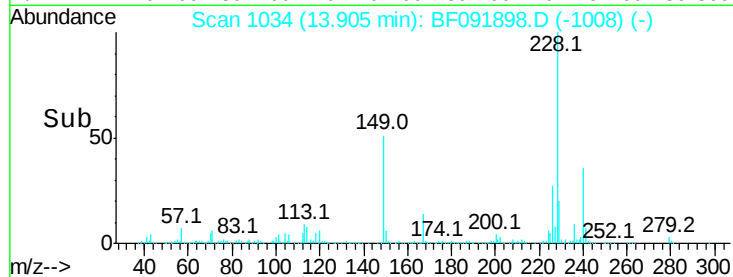
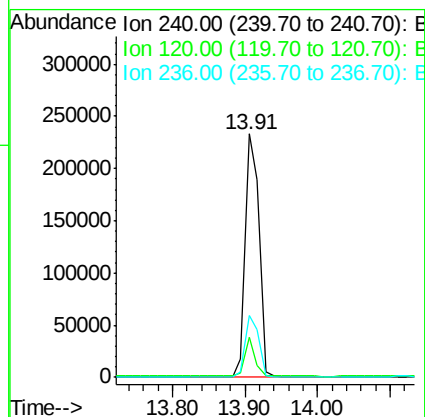
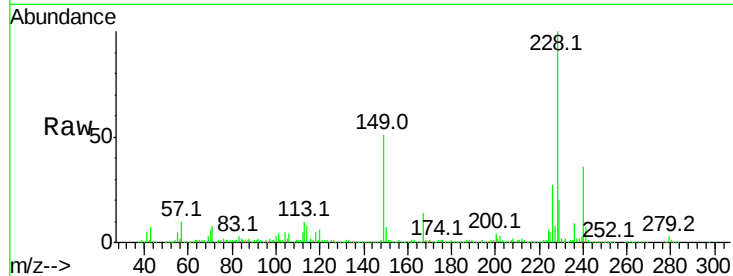
ClientSampleId :

B-5MSD

Tot Ion:	240	Resp:	311446
Ion Ratio	Lower	Upper	
240	100		
120	16.4	12.9	19.3
236	25.5	20.9	31.3

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#76

Benzidine

Concen: 23.22 ng

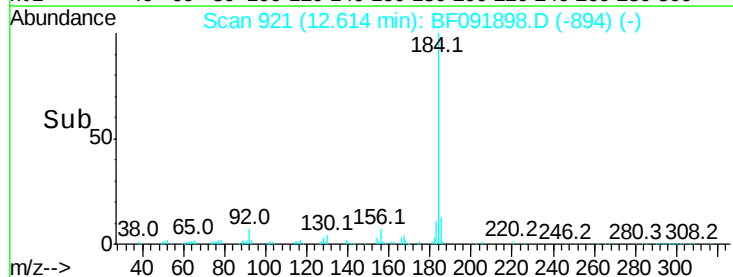
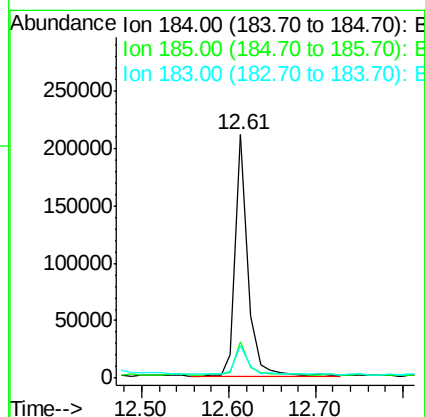
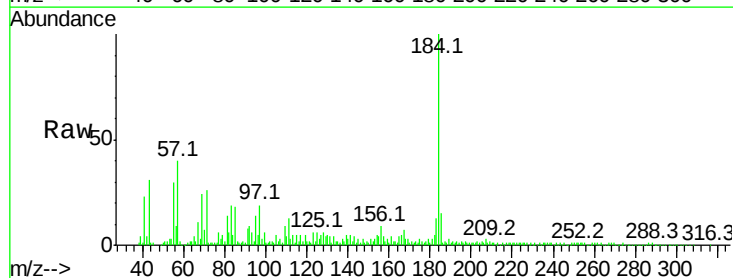
RT: 12.61 min Scan# 921

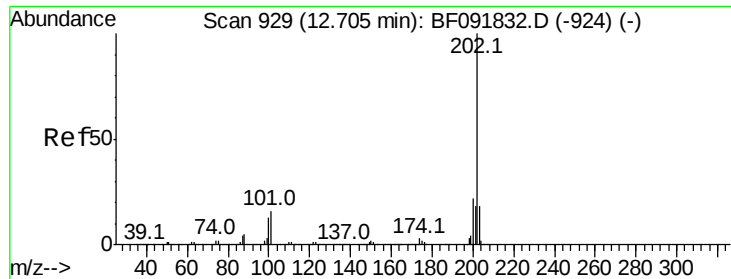
Delta R.T. 0.01 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Tgt Ion:	184	Resp:	209907
Ion Ratio	Lower	Upper	
184	100		
185	14.8	13.4	20.0
183	13.1	9.2	13.8





#77

Pvrene

Concen: 48.75 ng

RT: 12.72 min Scan# 930

Delta R.T. 0.01 min

Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Instrument :

BNA_F

ClientSampleId :

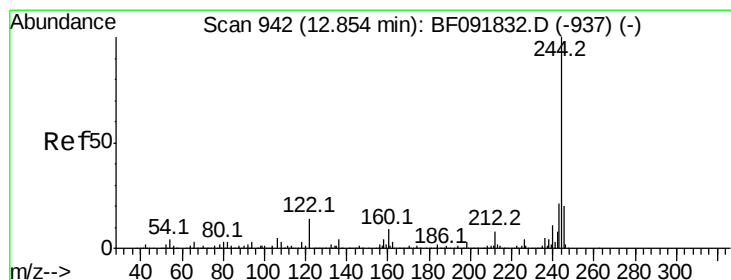
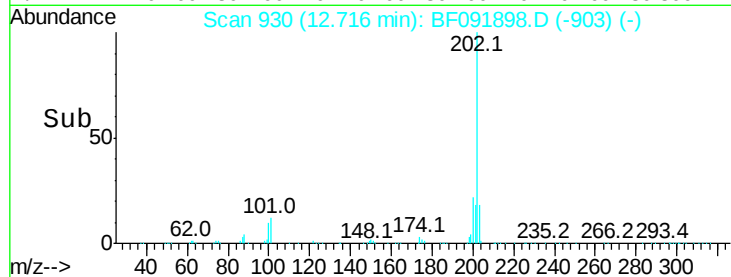
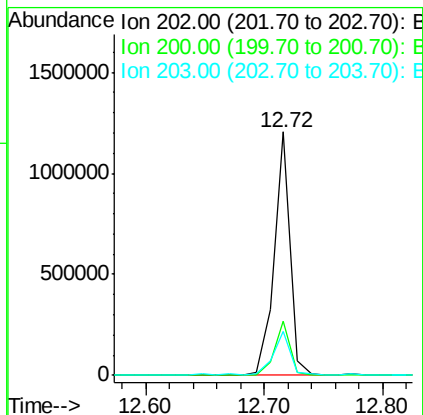
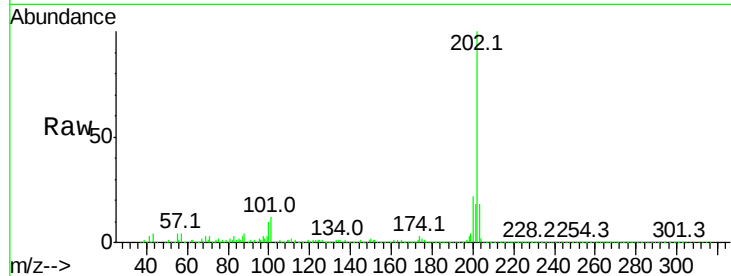
B-5MSD

Tot Ion:202 Resp: 1114083

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.7	26.5
203	18.2	14.7	22.1

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#78

Terphenyl-d14

Concen: 105.40 ng

RT: 12.86 min Scan# 943

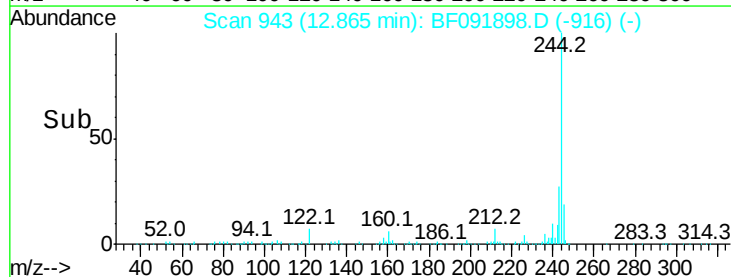
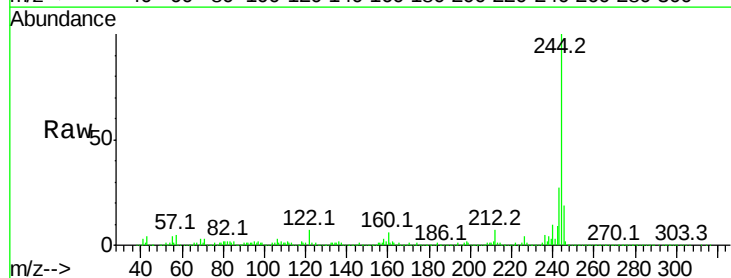
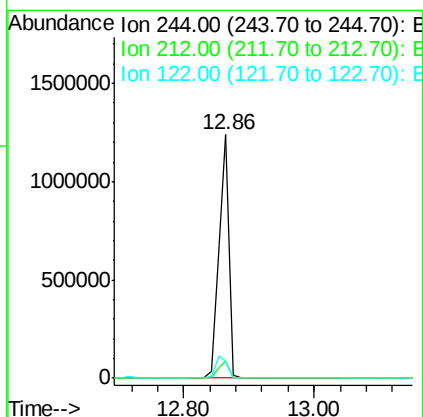
Delta R.T. 0.01 min

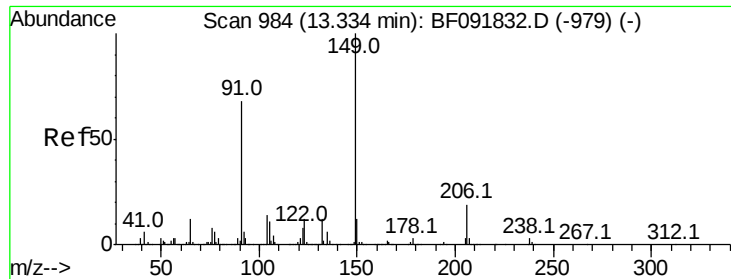
Lab File: BF091898.D

Acq: 22 Dec 2016 20:49

Tgt Ion:244 Resp: 1353486

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.2	9.2
122	7.2	11.4	17.2





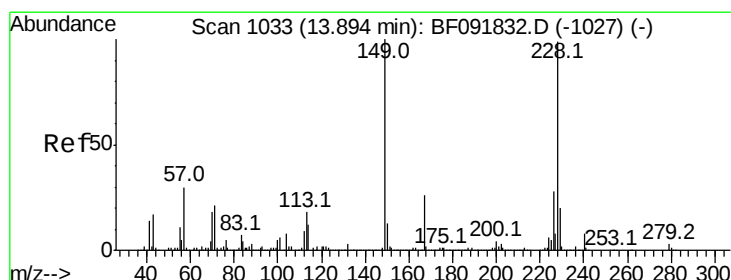
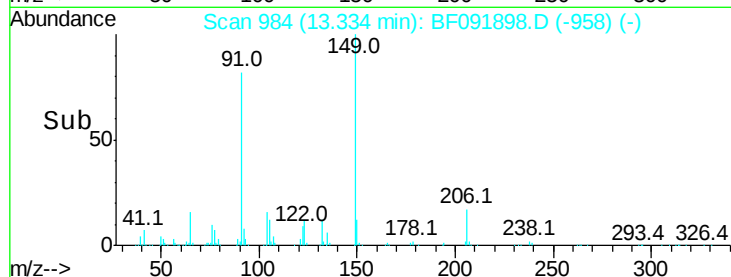
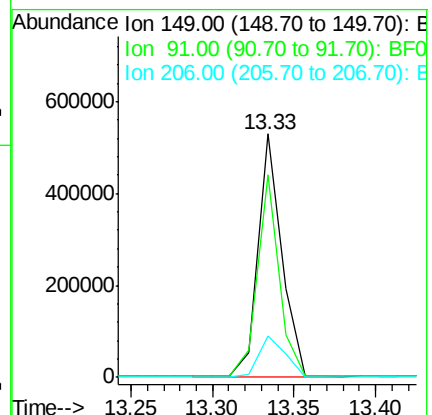
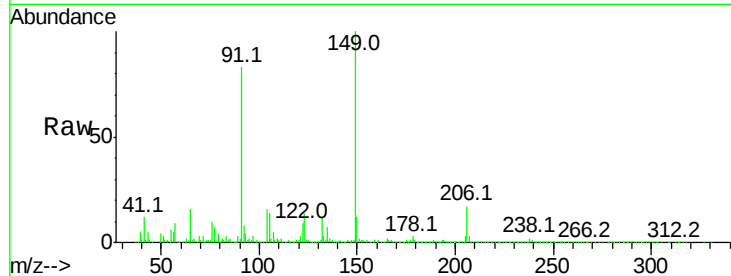
#79
Butylbenzylphthalate
Concen: 51.16 ng
RT: 13.33 min Scan# 984
Delta R.T. -0.00 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Instrument :
BNA_F
ClientSampleId :
B-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
91	83.0	63.9	95.9	
206	16.9	14.6	21.8	

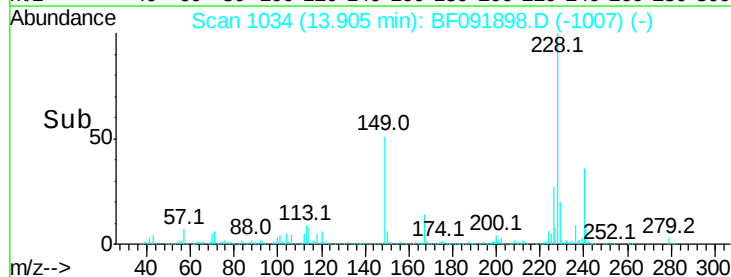
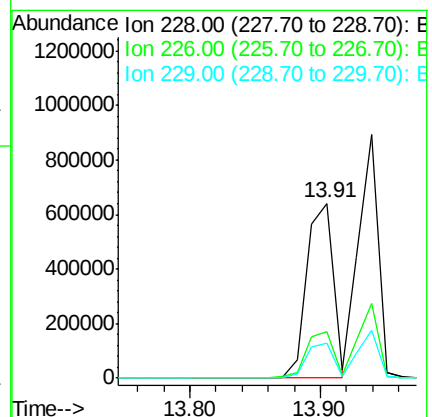
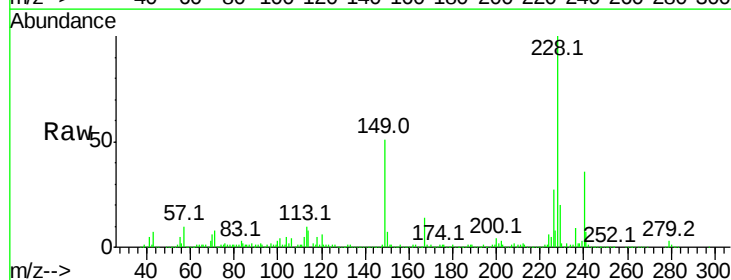
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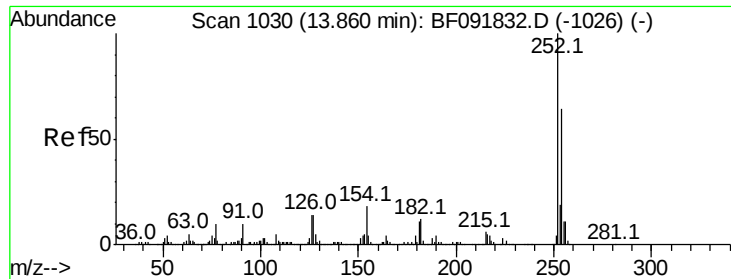
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#80
Benzo(a)anthracene
Concen: 50.79 ng
RT: 13.91 min Scan# 1034
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	26.9	22.4	33.6	
229	20.1	16.2	24.4	





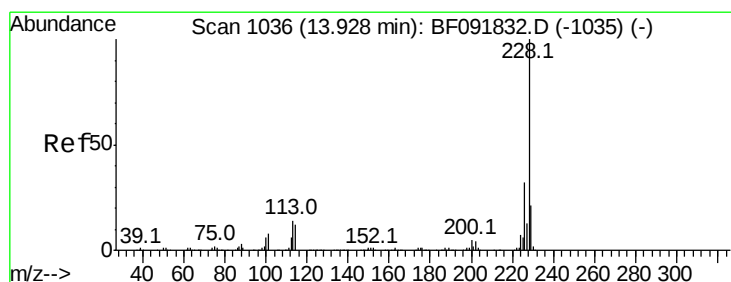
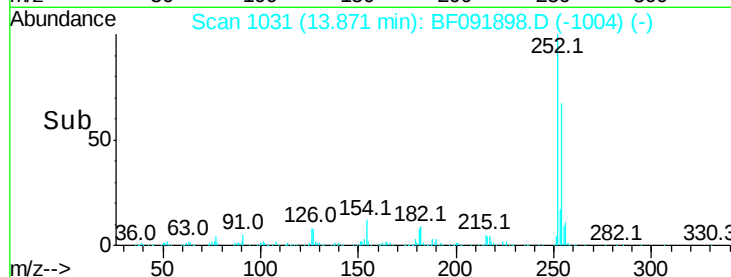
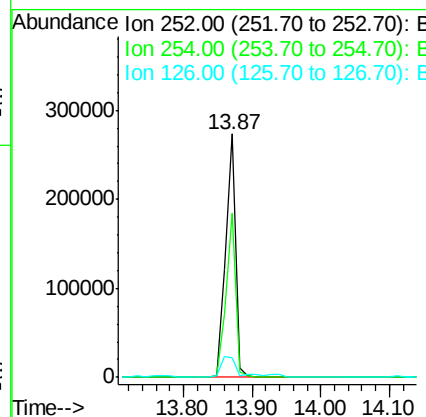
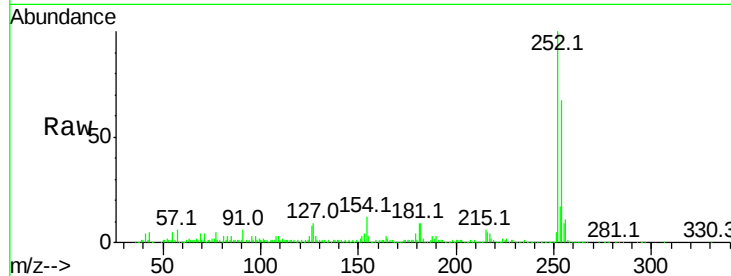
#81
 3,3'-Dichlorobenzidine
 Concen: 43.05 ng
 RT: 13.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: BF091898.D
 Acq: 22 Dec 2016 20:49

Instrument :
 BNA_F
 ClientSampleId :
 B-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	286981		
254	67.3		52.3	78.5
126	8.3		13.6	20.4

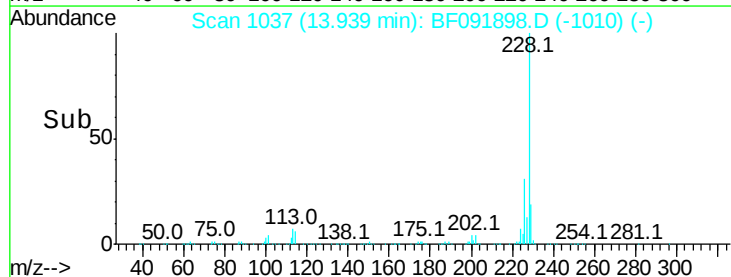
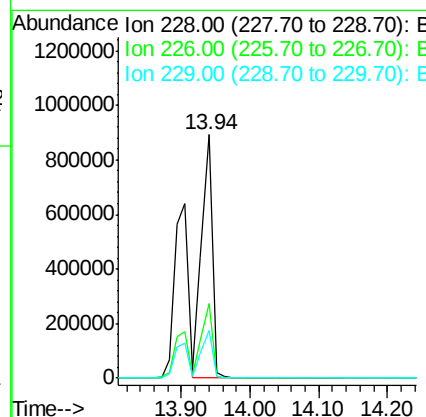
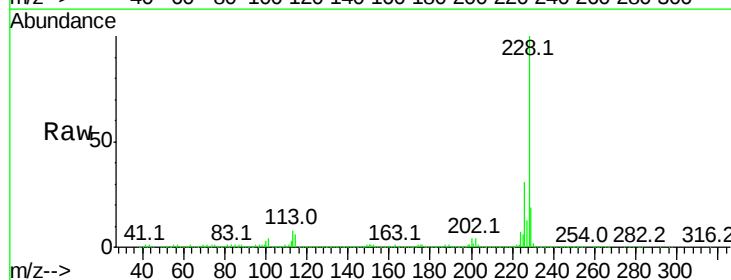
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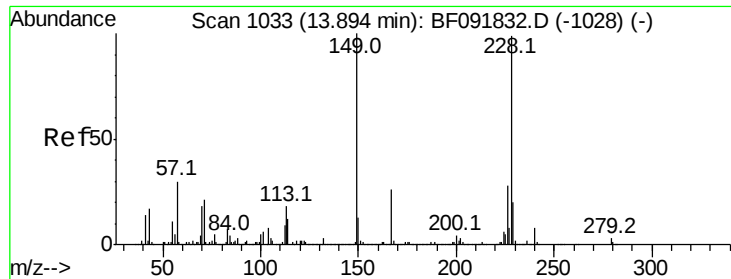
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#82
 Chrysene
 Concen: 53.60 ng
 RT: 13.94 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: BF091898.D
 Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	945178		
226	30.6		25.4	38.0
229	19.4		16.2	24.2





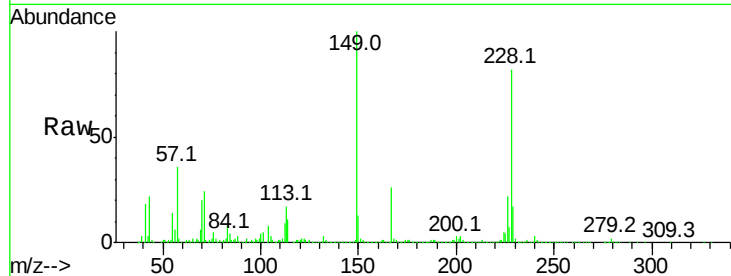
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 59.96 ng
 RT: 13.89 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BF091898.D
 Acq: 22 Dec 2016 20:49

Instrument :
 BNA_F
 ClientSampleId :
 B-5MSD

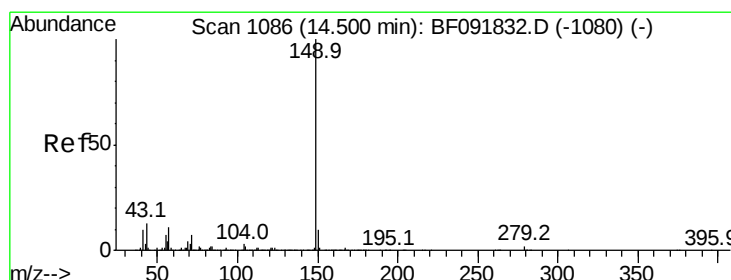
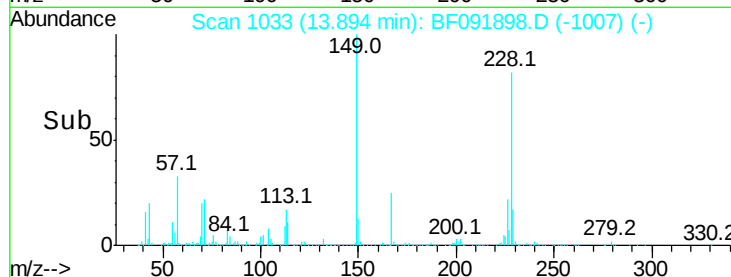
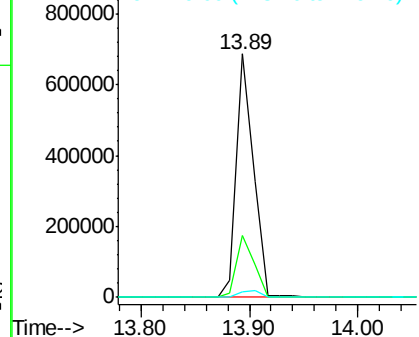
Tot Ion	Ratio	Resp	Lower	Upper
149	100	733899		
167	25.6		20.2	30.4
279	2.1		1.8	2.8

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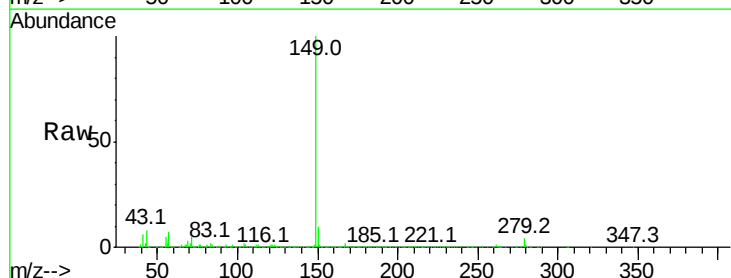


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

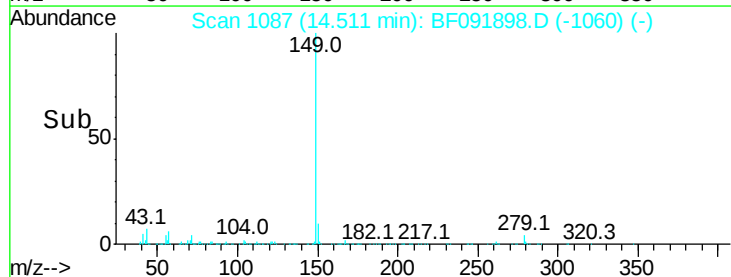
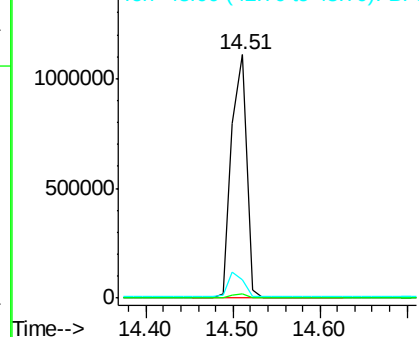


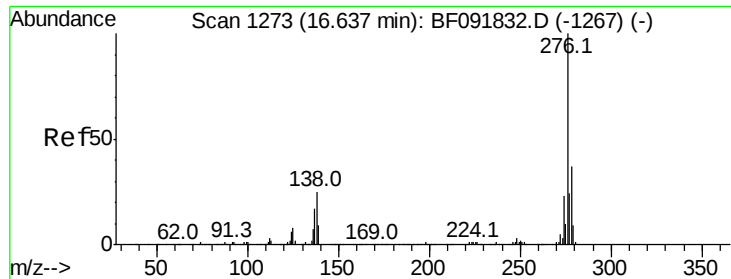
#84
 Di-n-octyl phthalate
 Concen: 59.47 ng
 RT: 14.51 min Scan# 1087
 Delta R.T. 0.01 min
 Lab File: BF091898.D
 Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1348292		
167	1.5		1.3	1.9
43	10.2		8.9	13.3



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF0





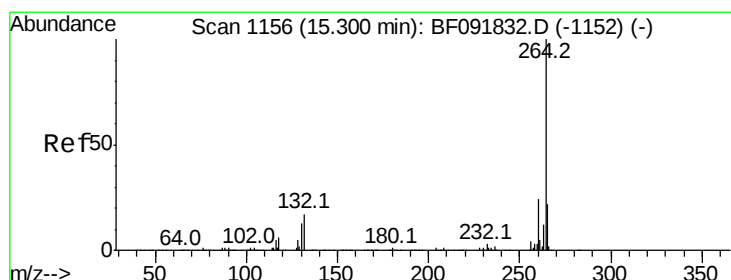
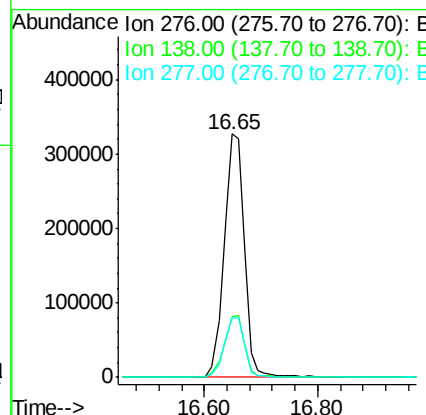
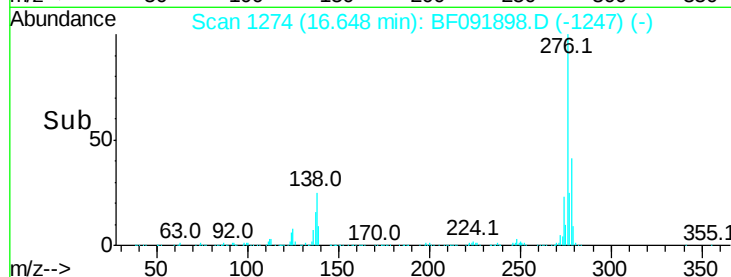
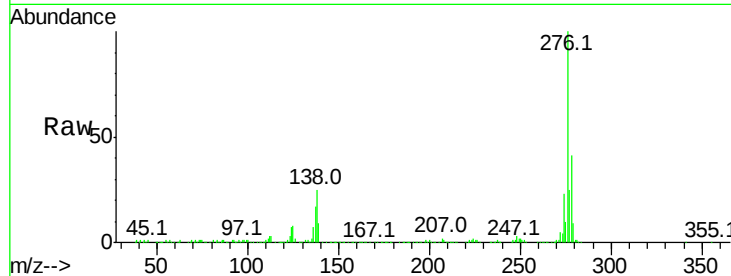
#85
Indeno(1,2,3-cd)pyrene
Concen: 53.09 ng
RT: 16.65 min Scan# 1274
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Instrument :
BNA_F
ClientSampleId :
B-5MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.5	21.8	32.6
277	25.1	20.2	30.4

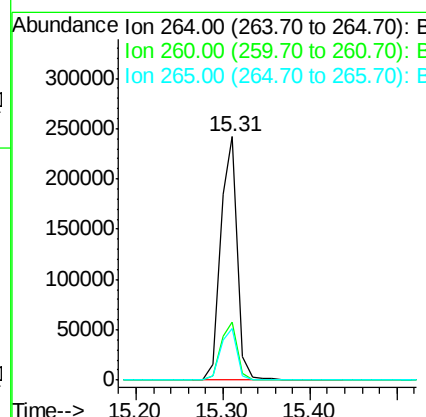
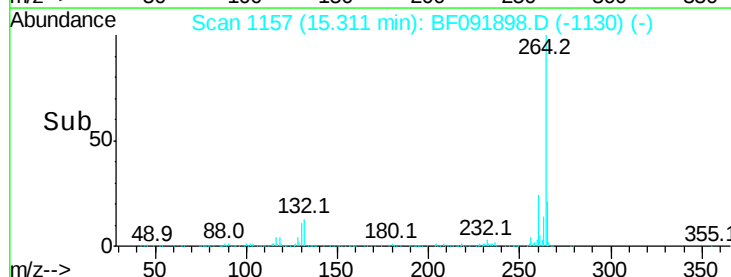
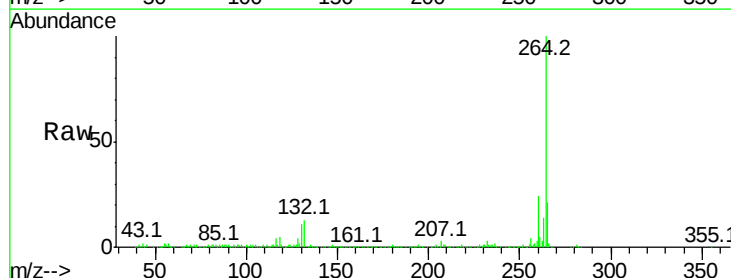
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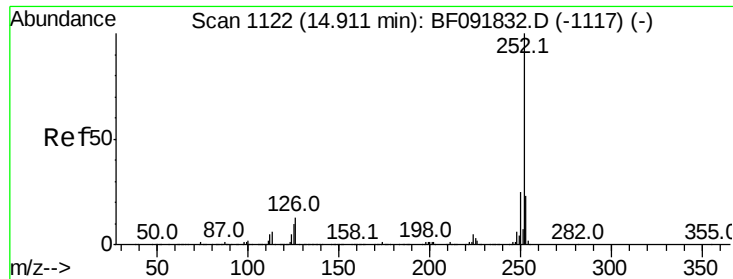
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1157
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.3	17.4	26.0





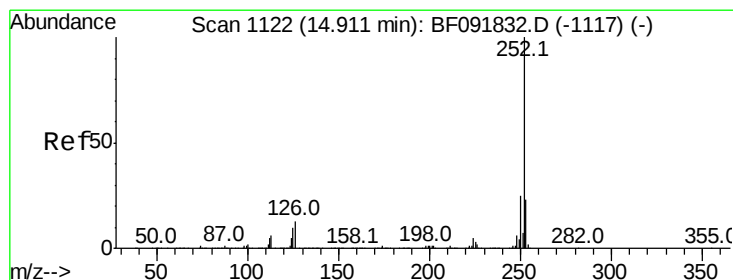
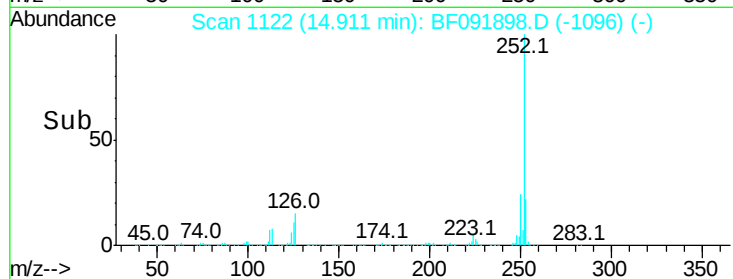
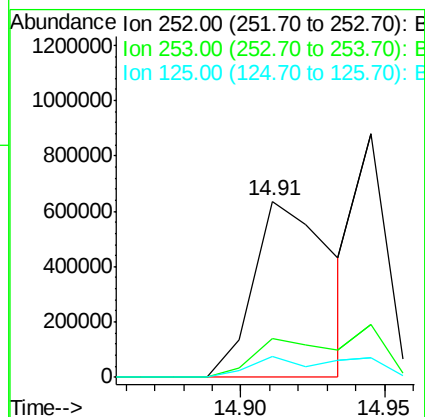
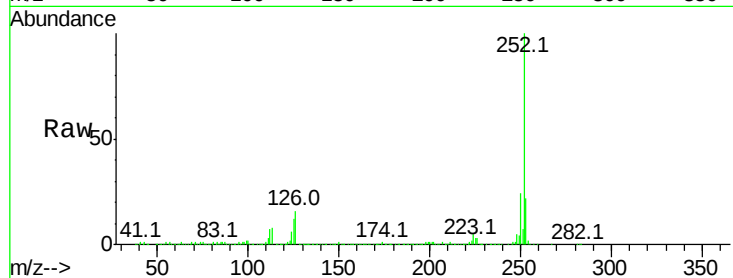
#87
Benzo(b)fluoranthene
Concen: 59.33 ng m
RT: 14.91 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Instrument :
BNA_F
ClientSampled :
B-5MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.4
125	11.7	9.8	14.6

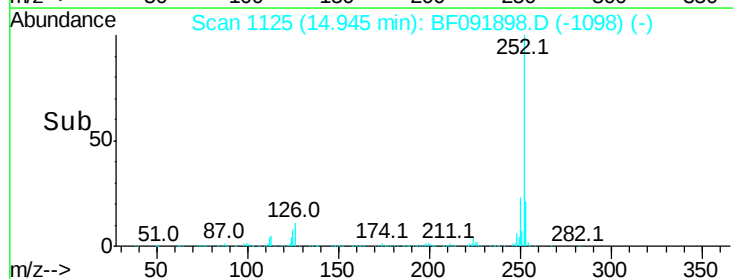
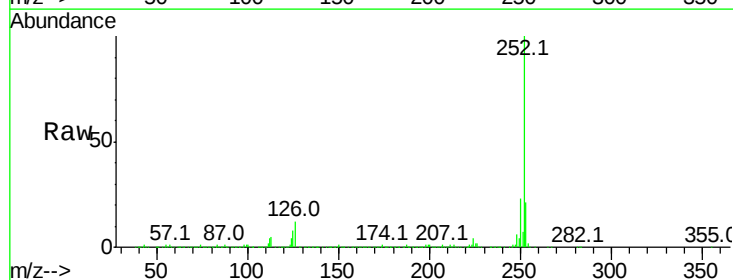
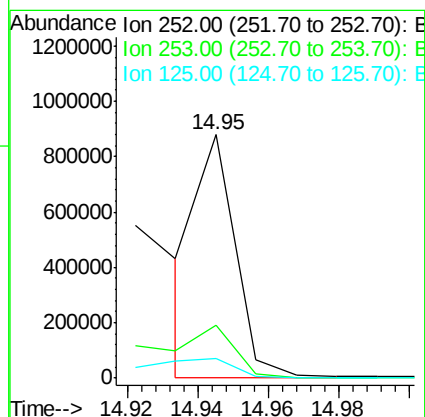
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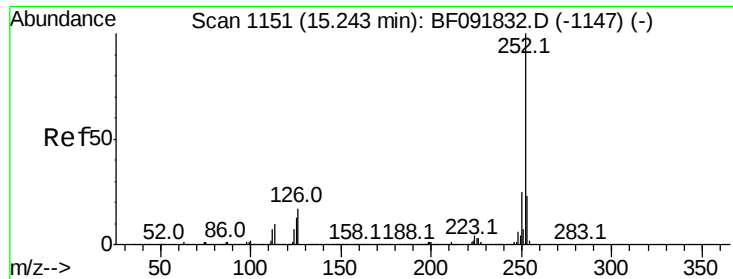
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#88
Benzo(k)fluoranthene
Concen: 38.23 ng m
RT: 14.95 min Scan# 1125
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.5	27.7
125	7.9	8.9	13.3#





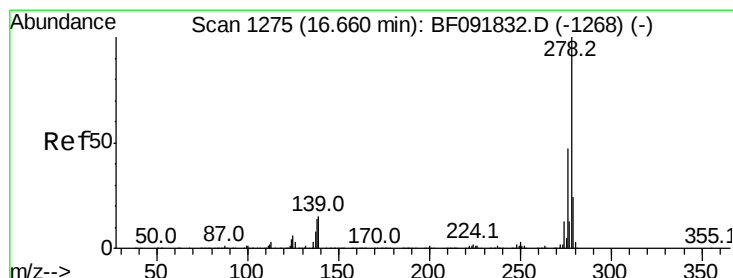
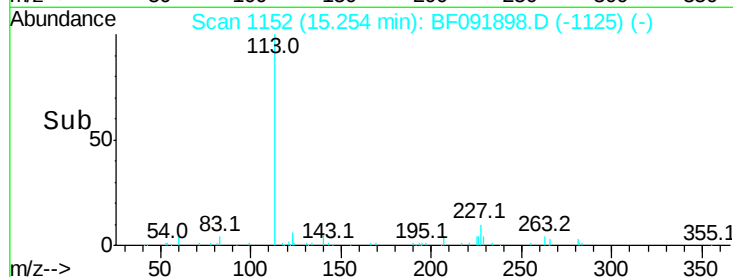
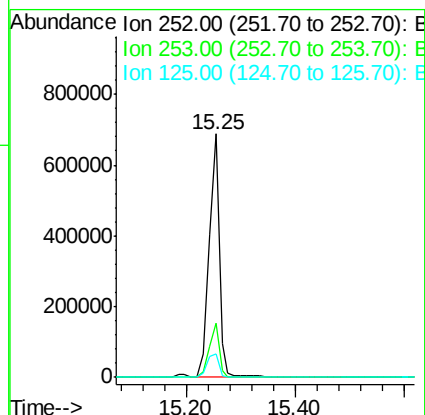
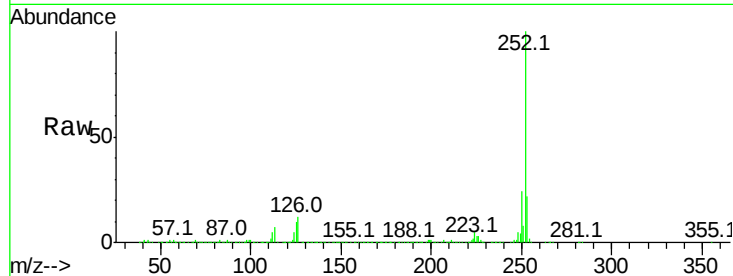
#89
Benzo(a)pyrene
Concen: 48.80 ng
RT: 15.25 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Instrument :
BNA_F
ClientSampleId :
B-5MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	9.7	10.0	15.0#

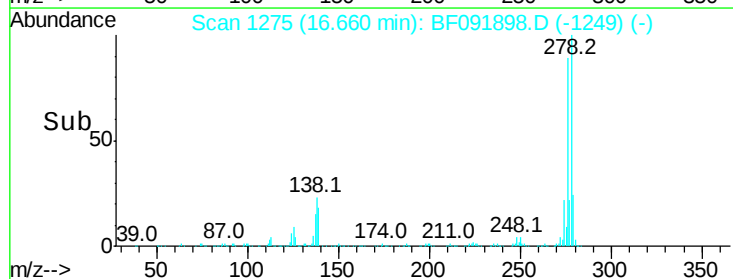
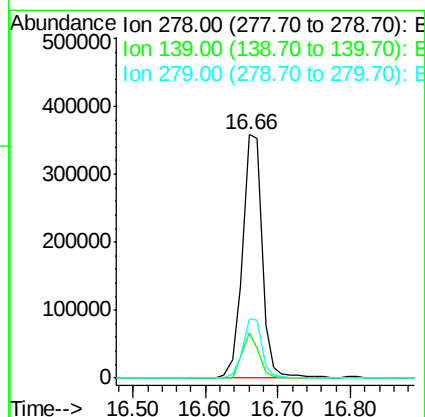
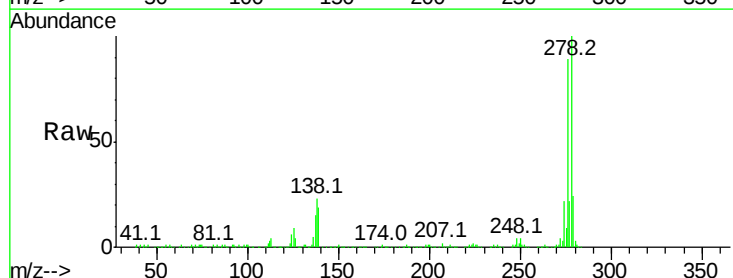
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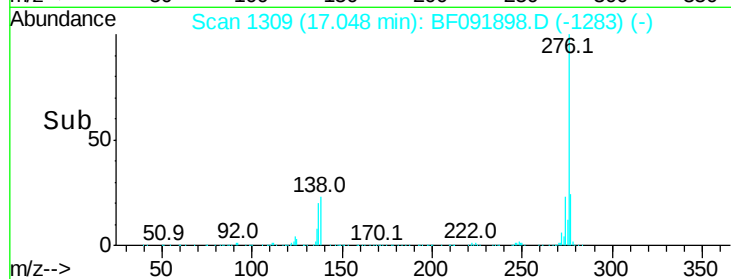
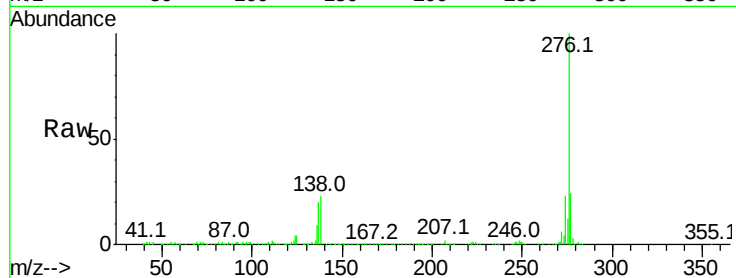
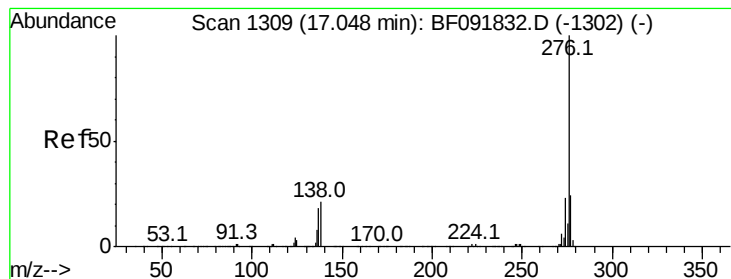
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#90
Dibenzo(a,h)anthracene
Concen: 46.06 ng
RT: 16.66 min Scan# 1275
Delta R.T. -0.00 min
Lab File: BF091898.D
Acq: 22 Dec 2016 20:49

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.6	14.8	22.2
279	24.2	19.8	29.6





#91
 Benzo(a,h,i)perylene
 Concen: 42.76 ng
 RT: 17.05 min Scan# 1309
 Delta R.T. -0.00 min
 Lab File: BF091898.D
 Acq: 22 Dec 2016 20:49

Instrument :
 BNA_F
 ClientSampleId :
 B-5MSD

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.0	19.2	28.8
138	22.9	16.0	24.0

Manual Integrations
 APPROVED

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 12/23/2016 5:54:13 PM

