

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
 Data File : BF091615.D
 Acq On : 15 Dec 2016 7:36
 Operator : UM/SJ
 Sample : PB95264BSD
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB95264BSD

Manual Integrations
 APPROVED

sohil
 12/15/2016 5:41:55 PM

Quant Time: Dec 15 11:43:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	280629	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	1105096	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	520992	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	704567	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	507298	20.00	ng	-0.01
86) Perylene-d12	15.36	264	437156	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1391730	83.55	ng	-0.01
7) Phenol-d6	6.44	99	1763337	84.91	ng	-0.01
23) Nitrobenzene-d5	7.37	82	2006337	101.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	272921	63.07	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	2592694	85.99	ng	-0.02
78) Terphenyl-d14	12.90	244	1905944	85.25	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.41	88	304691	34.66	ng	# 86
3) Pyridine	3.10	79	943341	40.27	ng	# 81
4) n-Nitrosodimethylamine	3.07	42	457328	45.44	ng	# 56
6) Aniline	6.45	93	798772	29.34	ng	# 57
8) 2-Chlorophenol	6.58	128	840079	44.68	ng	91
9) Benzaldehyde	6.34	77	174825m	12.23	ng	
10) Phenol	6.45	94	1161566	47.84	ng	96
11) bis(2-Chloroethyl)ether	6.53	93	888911	48.74	ng	87
12) 1,3-Dichlorobenzene	6.74	146	940365	46.12	ng	96
13) 1,4-Dichlorobenzene	6.81	146	893463	44.43	ng	95
14) 1,2-Dichlorobenzene	6.97	146	874623	48.26	ng	97
15) Benzyl Alcohol	6.94	79	777536	47.42	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.08	45	1283875	45.42	ng	80
17) 2-Methylphenol	7.06	107	711062m	45.71	ng	
18) Hexachloroethane	7.31	117	298175	37.99	ng	92
19) n-Nitroso-di-n-propylamine	7.22	70	621785	47.88	ng	# 78
20) 3+4-Methylphenols	7.22	107	853654	51.25	ng	93
22) Acetophenone	7.21	105	1211421	45.75	ng	# 96
24) Nitrobenzene	7.38	77	847968	40.53	ng	91
25) Isophorone	7.62	82	1716591	48.77	ng	98
26) 2-Nitrophenol	7.70	139	315586	34.18	ng	# 77
27) 2,4-Dimethylphenol	7.74	122	748719	46.17	ng	98
28) bis(2-Chloroethoxy)methane	7.84	93	1067044	51.68	ng	99
29) 2,4-Dichlorophenol	7.95	162	637220	45.16	ng	91
30) 1,2,4-Trichlorobenzene	8.03	180	758348	47.29	ng	# 96
31) Naphthalene	8.11	128	2341675	45.54	ng	99
32) Benzoic acid	7.84	122	261879m	25.10	ng	
33) 4-Chloroaniline	8.16	127	469045	21.17	ng	95
34) Hexachlorobutadiene	8.22	225	394560	42.92	ng	98
35) Caprolactam	8.53	113	217117	52.69	ng	# 57
36) 4-Chloro-3-methylphenol	8.65	107	674434	42.62	ng	97
37) 2-Methylnaphthalene	8.80	142	1479770	44.47	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.97	216	703834	49.25	ng	98
40) Hexachlorocyclopentadiene	8.96	237	207056	32.50	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.08	196	422085	45.97	nq	97
43) 2,4,5-Trichlorophenol	9.13	196	384055	40.71	nq	95
45) 1,1'-Biphenyl	9.26	154	1926634	51.06	nq	96
46) 2-Chloronaphthalene	9.29	162	1435153	49.11	nq	97
47) 2-Nitroaniline	9.38	65	439907	44.77	nq	89
48) Acenaphthylene	9.70	152	2026200	45.49	nq	99
49) Dimethylphthalate	9.56	163	1607905	48.74	nq	98
50) 2,6-Dinitrotoluene	9.63	165	319703	44.15	nq #	56
51) Acenaphthene	9.87	154	1245660	40.26	nq	98
52) 3-Nitroaniline	9.79	138	361892	42.55	nq	95
53) 2,4-Dinitrophenol	9.89	184	23401	10.52	nq #	85
54) Dibenzofuran	10.04	168	1798054	46.97	nq	98
55) 4-Nitrophenol	9.96	139	378816	59.86	nq #	84
56) 2,4-Dinitrotoluene	10.03	165	385446	42.47	nq	98
57) Fluorene	10.38	166	1294370	47.61	nq	97
58) 2,3,4,6-Tetrachlorophenol	10.17	232	275080	37.24	nq	98
59) Diethylphthalate	10.26	149	1611935	50.74	nq	99
60) 4-Chlorophenyl-phenylether	10.37	204	596638	43.35	nq #	73
61) 4-Nitroaniline	10.41	138	439800	52.03	nq	94
62) Azobenzene	10.53	77	1648212	45.79	nq	87
64) 4,6-Dinitro-2-methylphenol	10.43	198	24663	8.36	nq #	66
65) n-Nitrosodiphenylamine	10.50	169	1271880	60.55	nq	99
66) 4-Bromophenyl-phenylether	10.86	248	383255	53.06	nq	98
67) Hexachlorobenzene	10.93	284	400144	53.27	nq #	91
68) Atrazine	11.02	200	304770	45.12	nq	99
69) Pentachlorophenol	11.13	266	274905	65.03	nq	96
70) Phenanthrene	11.35	178	1867009	53.51	nq	99
71) Anthracene	11.39	178	1717784	45.65	nq	99
72) Carbazole	11.55	167	1656636	50.22	nq	99
73) Di-n-butylphthalate	11.88	149	2116529	55.07	nq	98
74) Fluoranthene	12.52	202	1605762	43.95	nq	94
76) Benzidine	12.65	184	620473	39.56	nq	97
77) Pyrene	12.75	202	1619432	40.24	nq	99
79) Butylbenzylphthalate	13.38	149	819837	52.26	nq	95
80) Benzo(a)anthracene	13.94	228	1390548	47.20	nq	99
81) 3,3'-Dichlorobenzidine	13.91	252	471664	44.58	nq #	96
82) Chrysene	13.97	228	1305341	42.35	nq	99
83) Bis(2-ethylhexyl)phthalate	13.94	149	1009164	50.14	nq	98
84) Di-n-octyl phthalate	14.56	149	1933219	56.58	nq #	92
85) Indeno(1,2,3-cd)pyrene	16.73	276	1134051	40.89	nq	98
87) Benzo(b)fluoranthene	14.96	252	1580983m	60.67	nq	
88) Benzo(k)fluoranthene	14.99	252	965660m	42.14	nq	
89) Benzo(a)pyrene	15.30	252	1194426	50.88	nq	98
90) Dibenzo(a,h)anthracene	16.74	278	945401	44.95	nq	98
91) Benzo(g,h,i)perylene	17.14	276	924932	43.21	nq	98

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

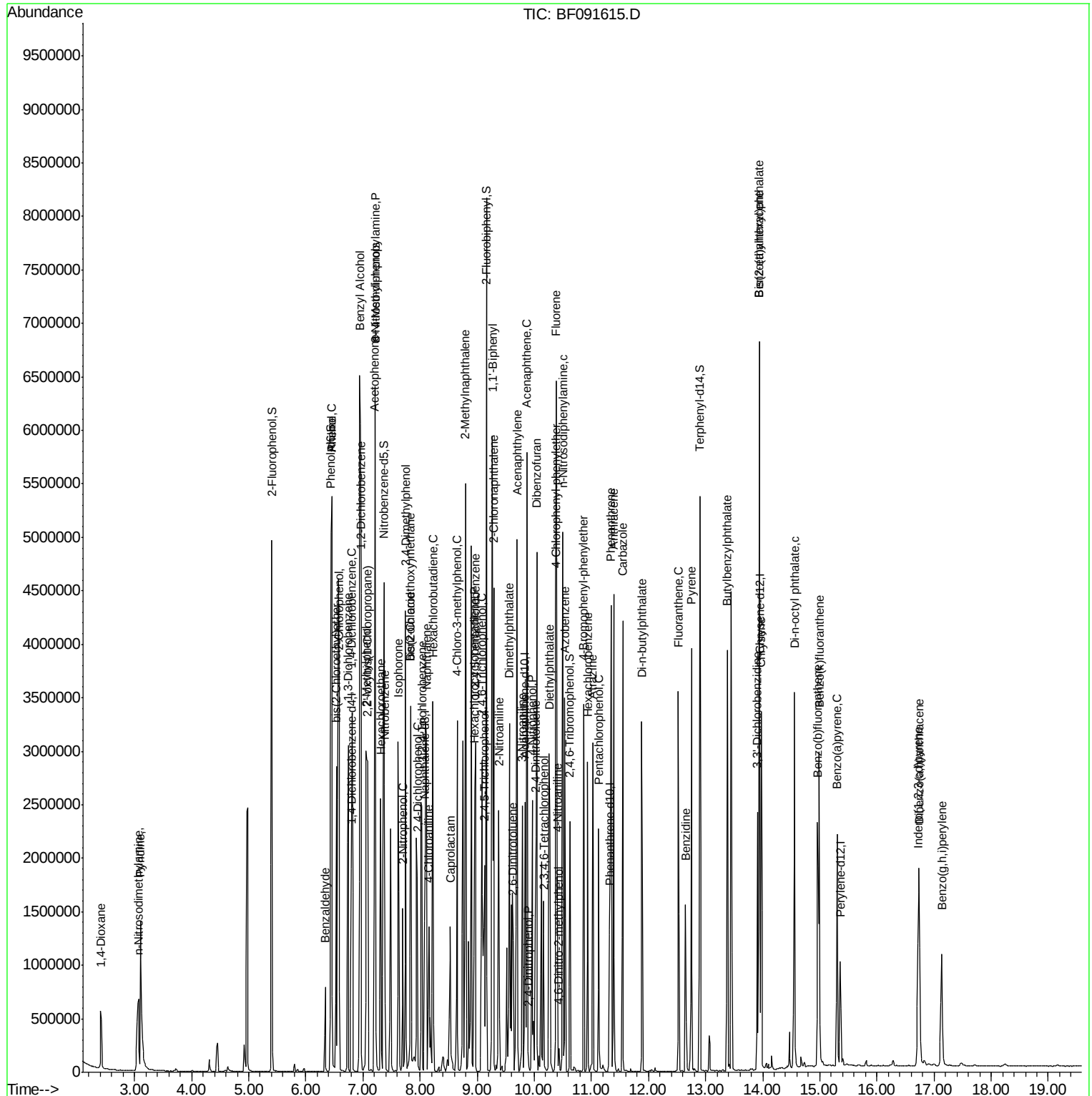
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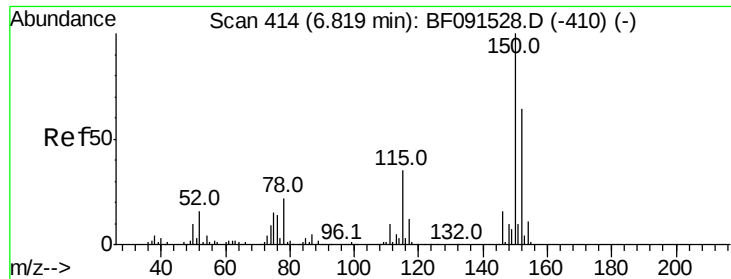
Instrument :
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ClientSampleId :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.02 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

ClientSampleId :

PB95264BSD

Tot Ion:152 Resp: 280629

Ion Ratio Lower Upper

152 100

150 155.5 122.5 183.7

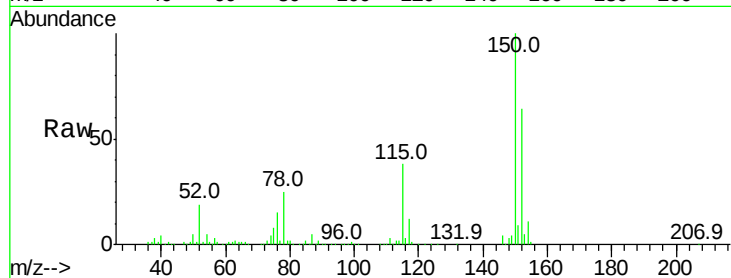
115 59.2 51.8 77.8

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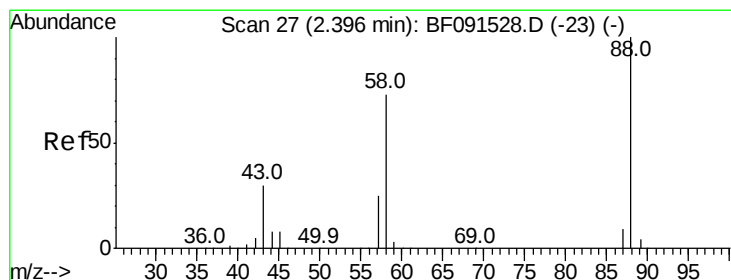
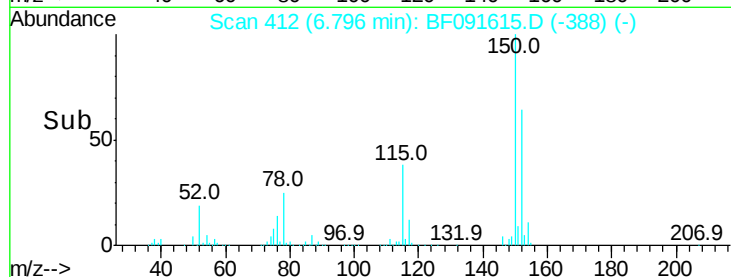
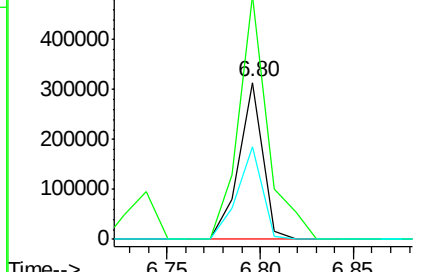
12/15/2016 5:41:55 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 34.66 ng

RT: 2.41 min Scan# 28

Delta R.T. 0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

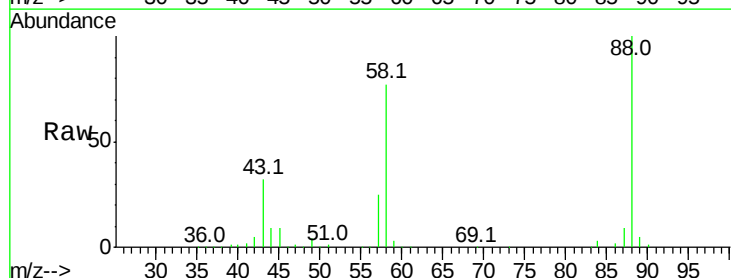
Tgt Ion: 88 Resp: 304691

Ion Ratio Lower Upper

88 100

58 74.4 70.3 105.5

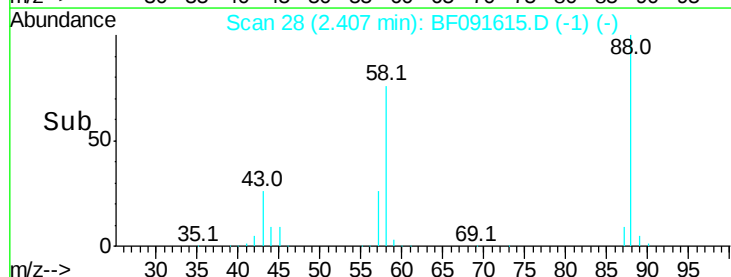
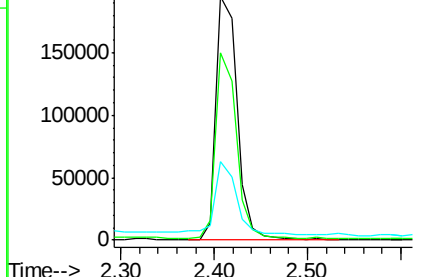
43 30.6 31.3 46.9#

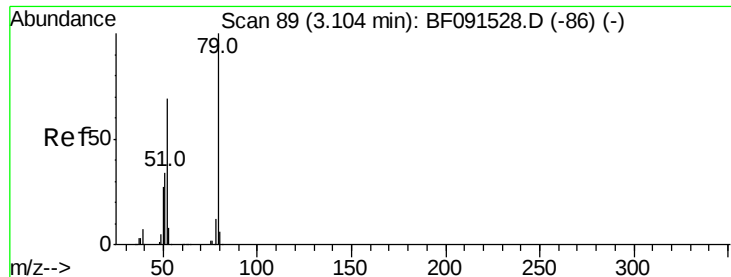


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 40.27 ng

RT: 3.10 min Scan# 89

Delta R.T. 0.00 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

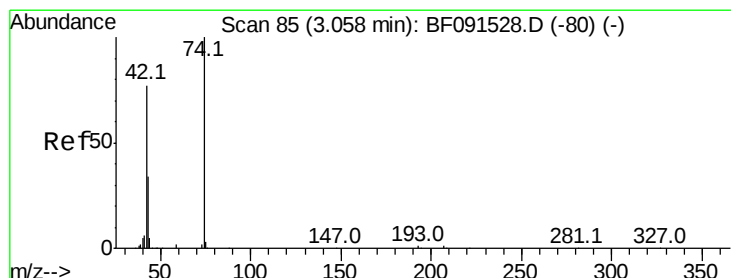
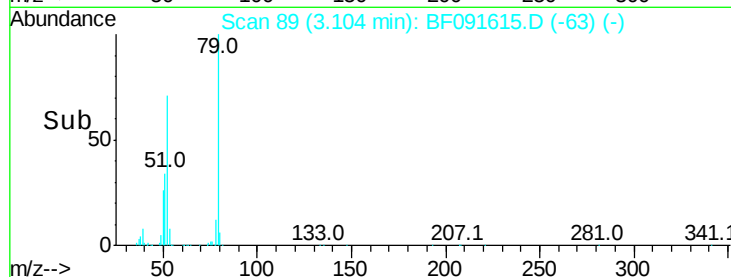
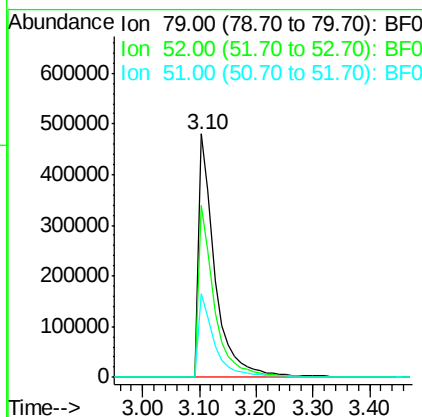
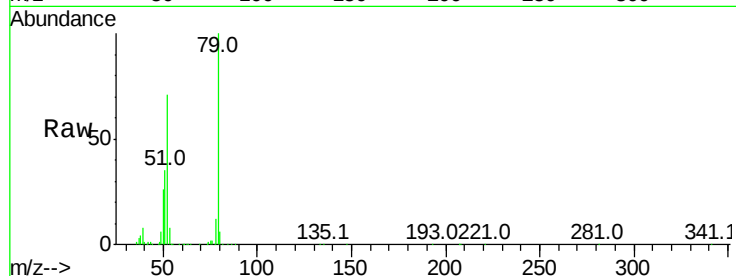
ClientSampleId :

PB95264BSD

Tot Ion:	79	Resp:	943341
Ion Ratio	Lower	Upper	
79	100		
52	70.7	71.0	106.4#
51	34.5	37.0	55.4#

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#4

n-Nitrosodimethylamine

Concen: 45.44 ng

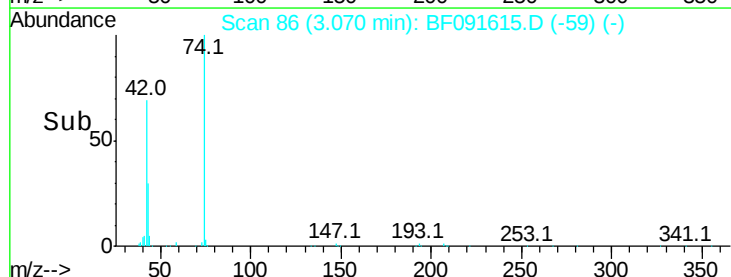
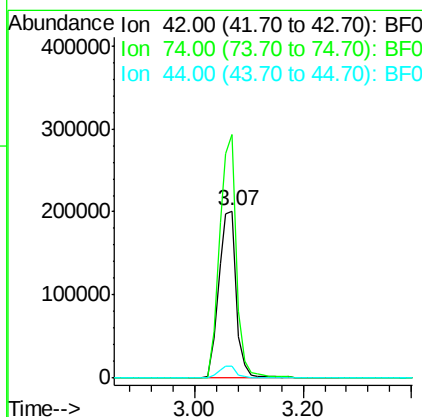
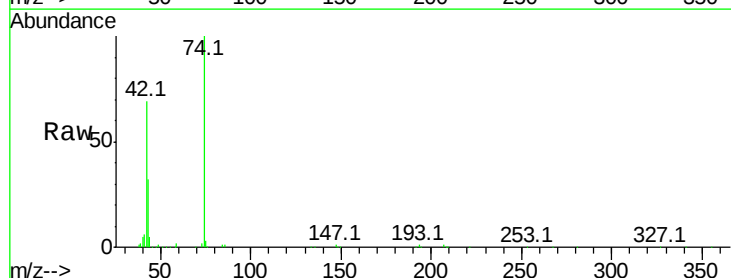
RT: 3.07 min Scan# 86

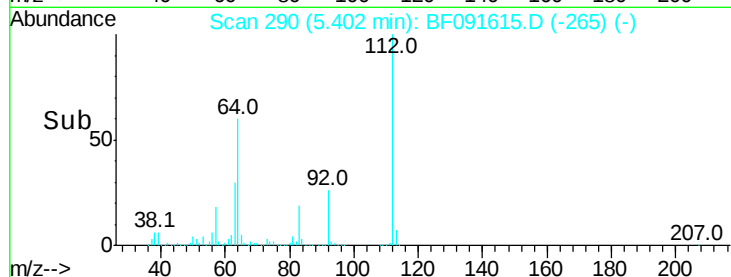
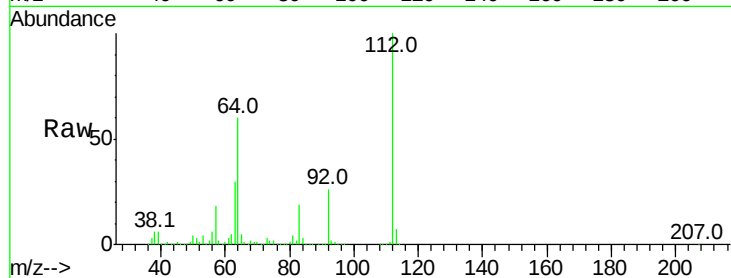
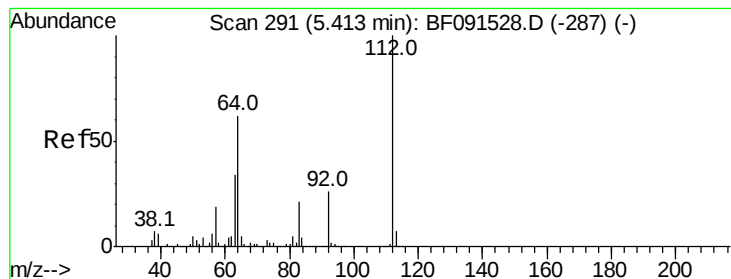
Delta R.T. 0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Tgt Ion:	42	Resp:	457328
Ion Ratio	Lower	Upper	
42	100		
74	145.6	78.9	118.3#
44	6.9	5.8	8.6





#5

2-Fluorophenol

Concen: 83.55 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

ClientSampleId :

PB95264BSD

Tot Ion: 112 Resp: 1391730

Ion Ratio Lower Upper

112 100

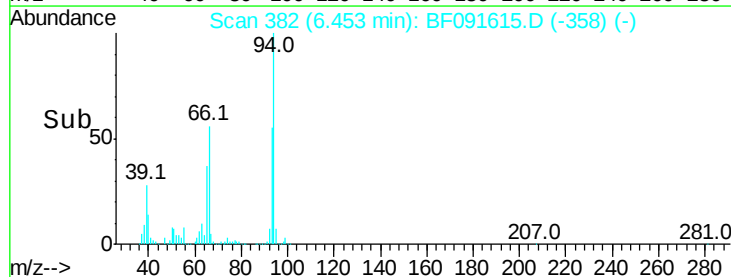
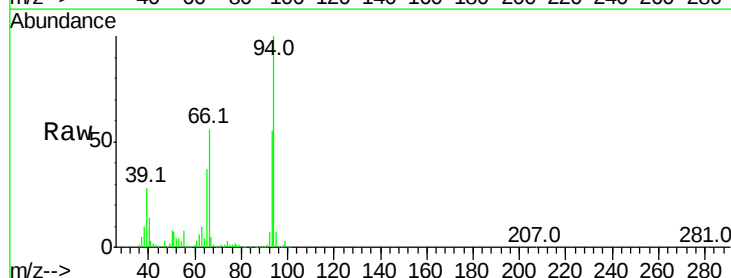
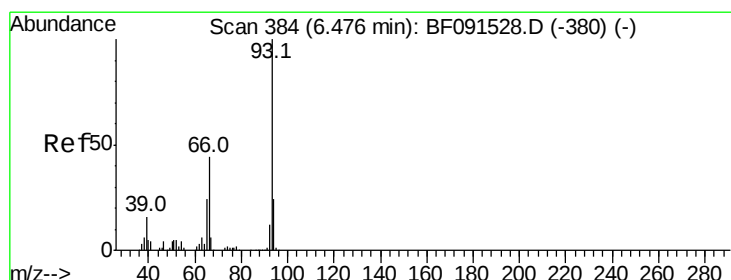
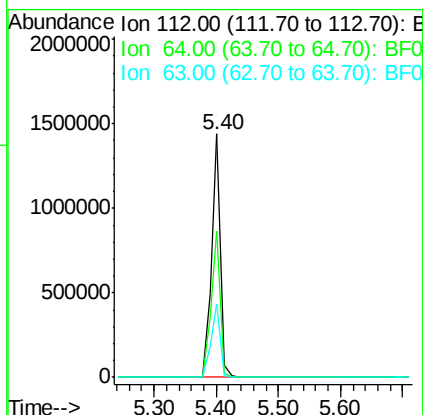
64 60.1 61.5 92.3#

63 30.4 33.3 49.9#

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#6

Aniline

Concen: 29.34 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.02 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

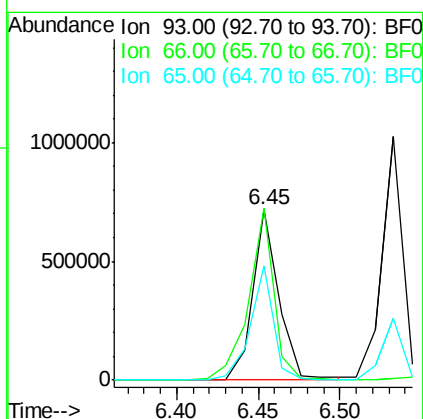
Tgt Ion: 93 Resp: 798772

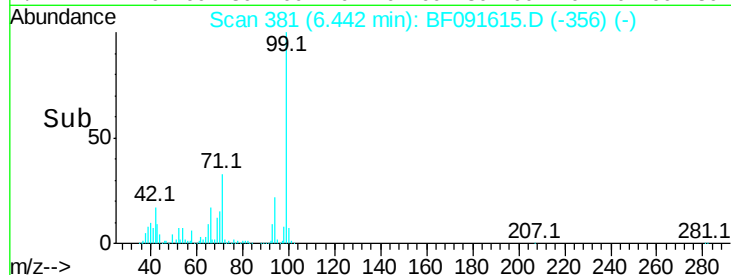
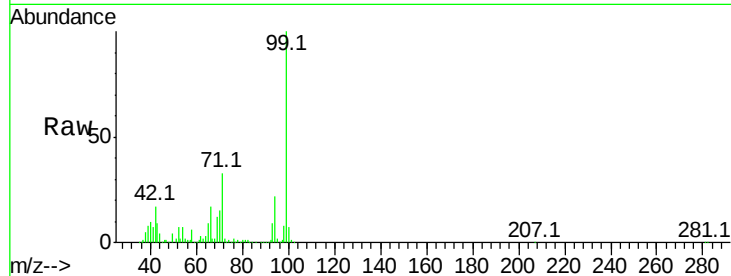
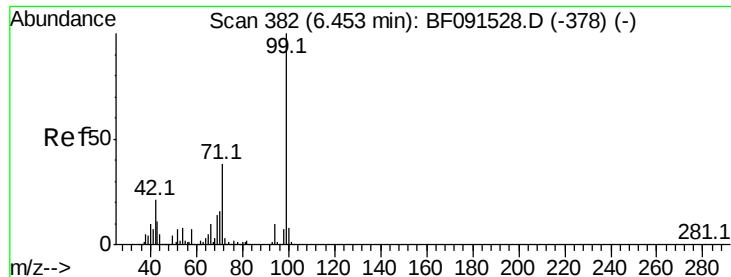
Ion Ratio Lower Upper

93 100

66 101.2 55.8 83.6#

65 67.3 29.9 44.9#





#7

Phenol-d6

Concen: 84.91 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Tot Ion: 99 Resp: 1763337

Ion	Ratio	Lower	Upper
99	100		
42	17.5	20.6	31.0#
71	32.6	29.9	44.9

Instrument :

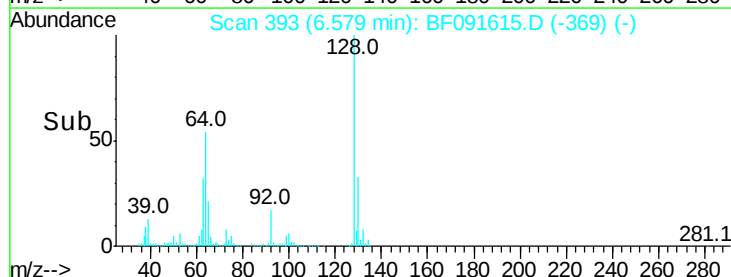
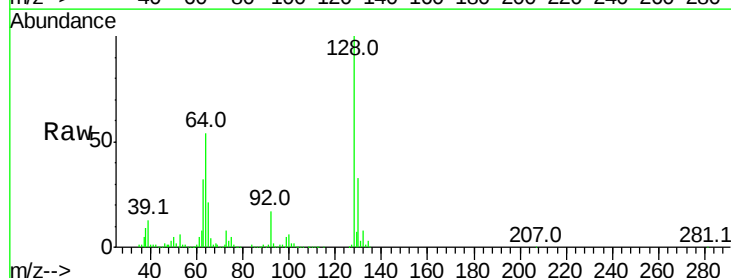
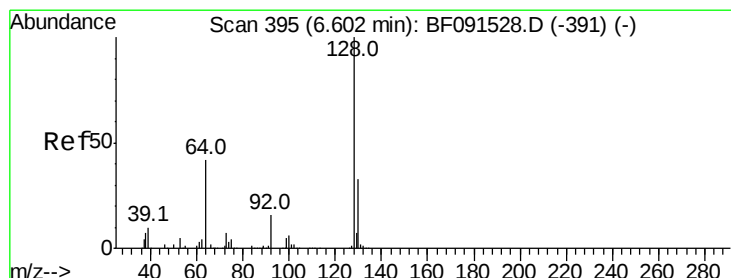
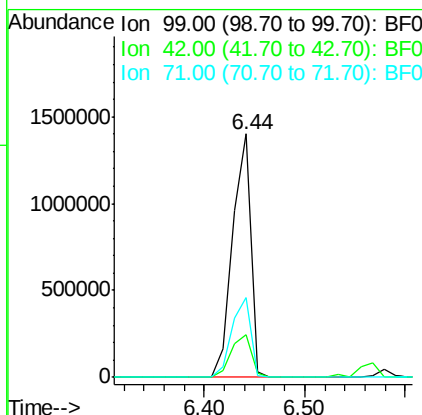
BNA_F

ClientSampleId :

PB95264BSD

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#8

2-Chlorophenol

Concen: 44.68 ng

RT: 6.58 min Scan# 393

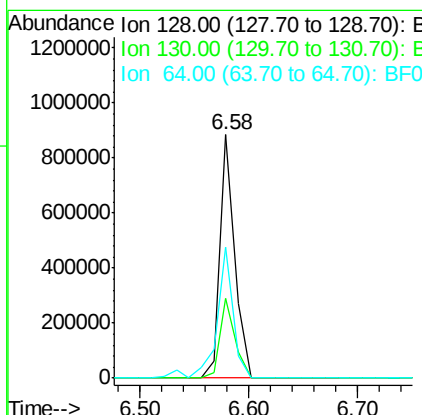
Delta R.T. -0.02 min

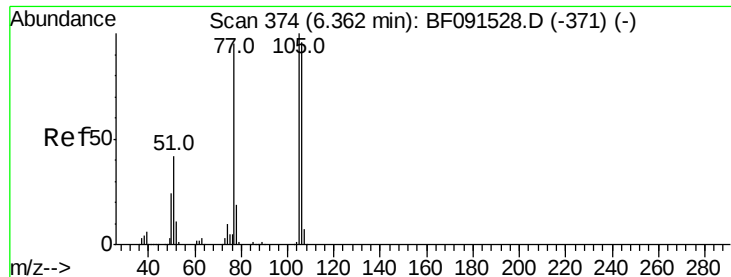
Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Tgt Ion: 128 Resp: 840079

Ion	Ratio	Lower	Upper
128	100		
130	32.7	13.1	53.1
64	53.9	24.1	64.1





#9

Benzaldehyde

Concen: 12.23 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.02 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

ClientSampleID :

PB95264BSD

Tot Ion: 77 Resp: 174825

Ion Ratio Lower Upper

77 100

105 108.6 66.4 106.4#

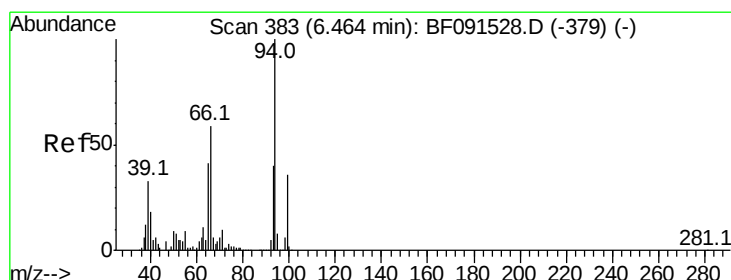
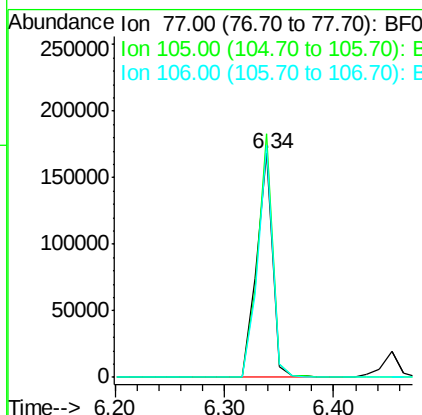
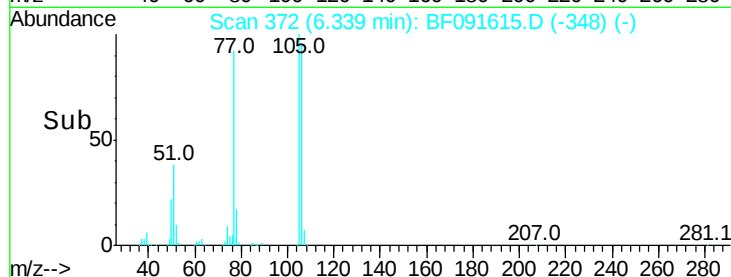
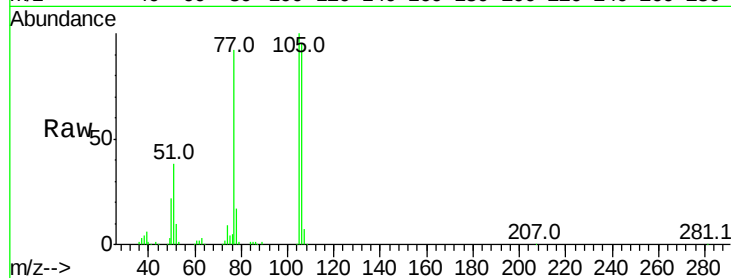
106 103.7 60.9 100.9#

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12/15/2016 5:41:55 PM



#10

Phenol

Concen: 47.84 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

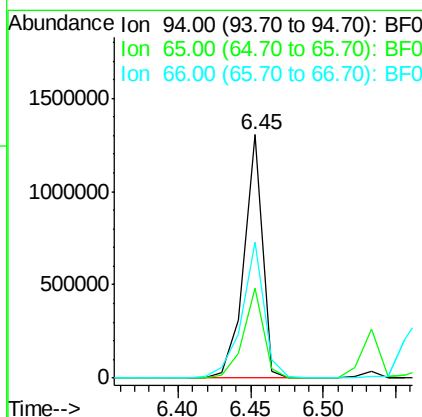
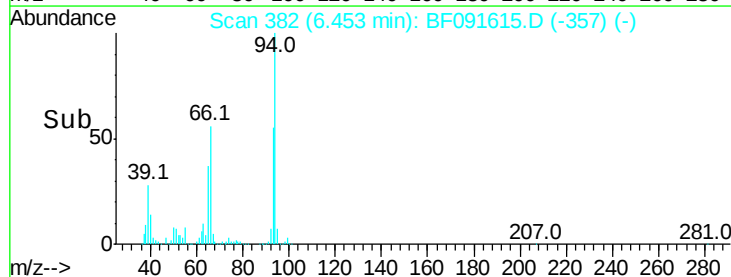
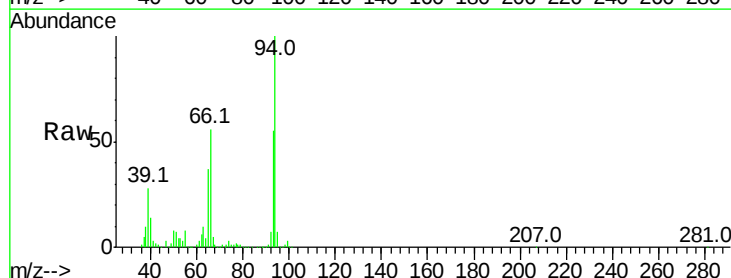
Tgt Ion: 94 Resp: 1161566

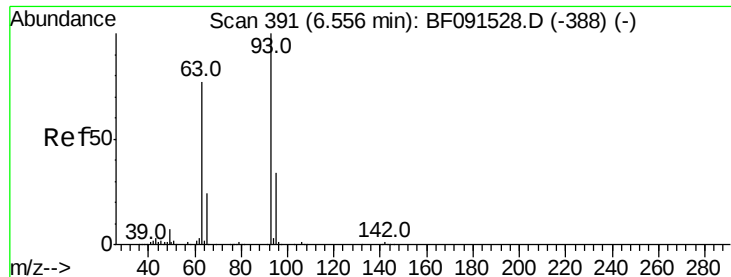
Ion Ratio Lower Upper

94 100

65 37.0 16.9 56.9

66 55.7 30.6 70.6





#11

bis(2-Chloroethyl)ether

Concen: 48.74 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.02 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

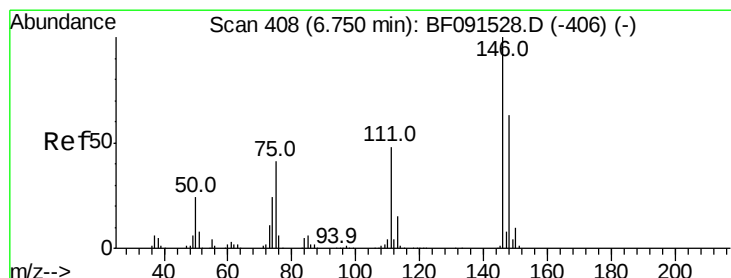
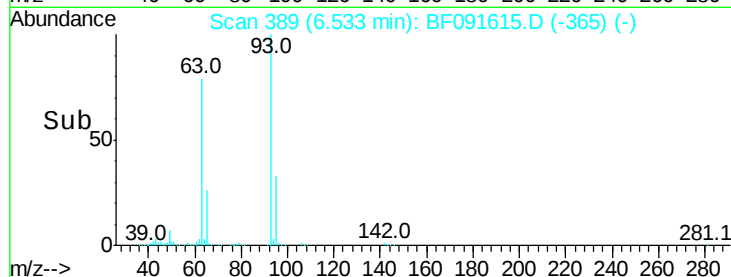
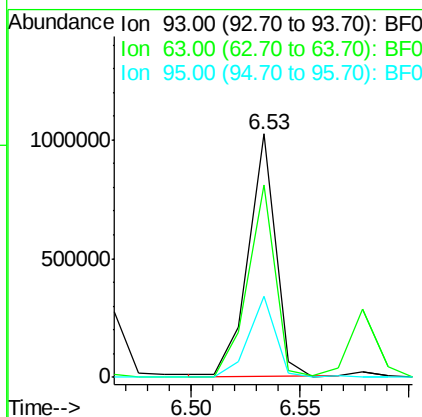
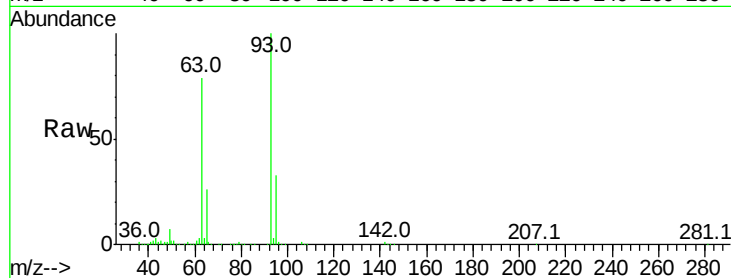
ClientSampleId :

PB95264BSD

Tot Ion:	93	Resp:	888911
Ion Ratio	Lower	Upper	
93	100		
63	78.9	74.8	114.8
95	33.3	12.4	52.4

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#12

1,3-Dichlorobenzene

Concen: 46.12 ng

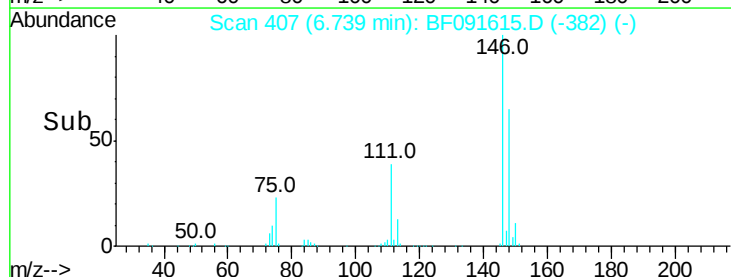
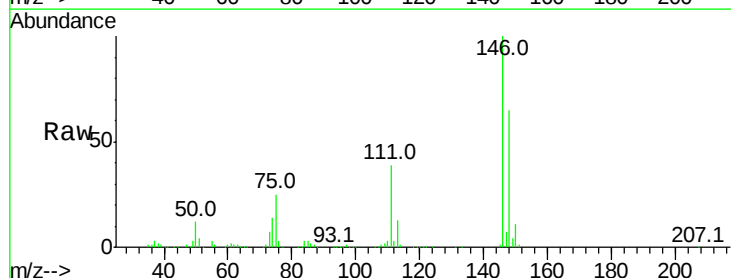
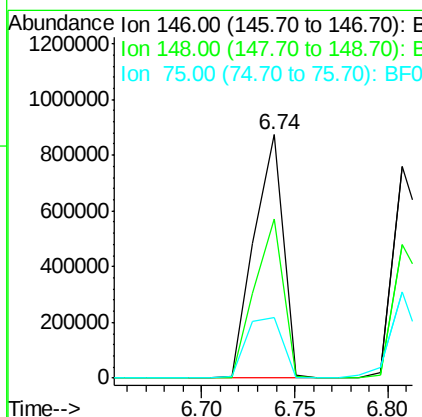
RT: 6.74 min Scan# 407

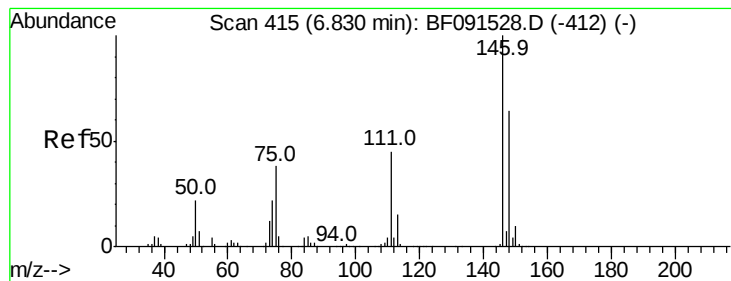
Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Tgt Ion:	146	Resp:	940365
Ion Ratio	Lower	Upper	
146	100		
148	65.3	51.4	77.0
75	24.6	23.6	35.4





#13

1,4-Dichlorobenzene

Concen: 44.43 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

ClientSampled :

PB95264BSD

Tot Ion:146 Resp: 893463

Ion Ratio Lower Upper

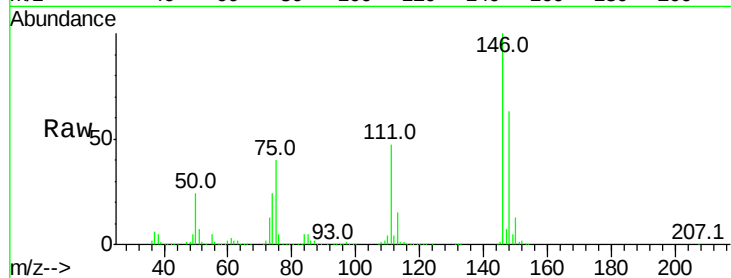
146 100

148 62.7 51.4 77.0

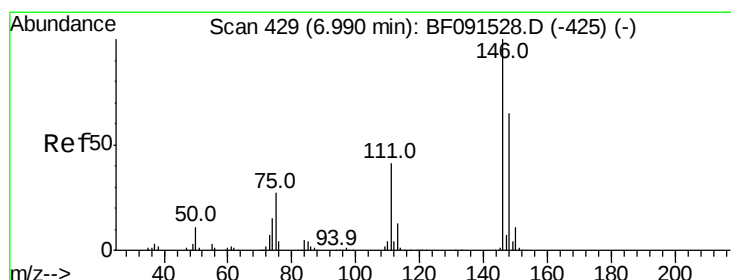
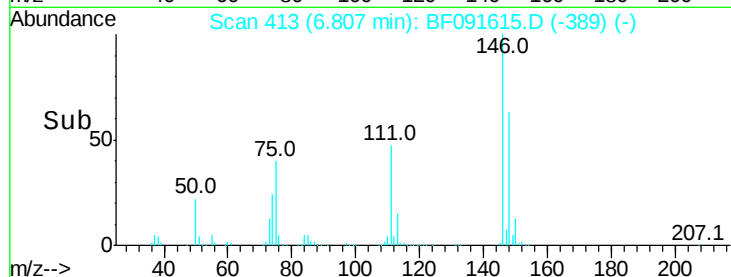
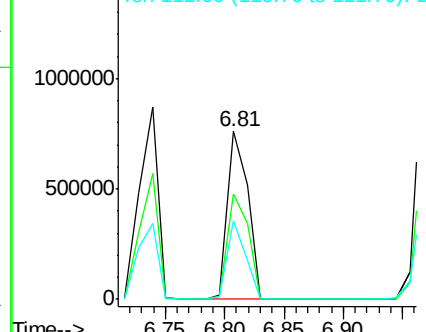
111 47.0 32.2 48.2

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Abundance Ion 146.00 (145.70 to 146.70): E
1500000 Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 48.26 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

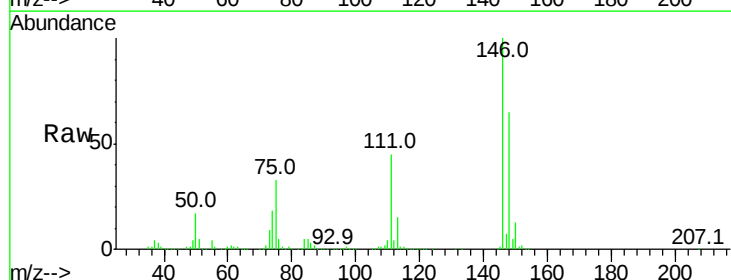
Tgt Ion:146 Resp: 874623

Ion Ratio Lower Upper

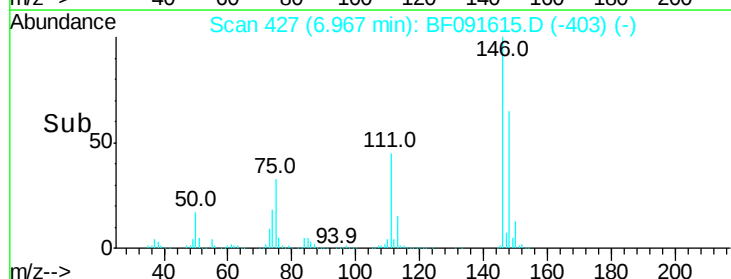
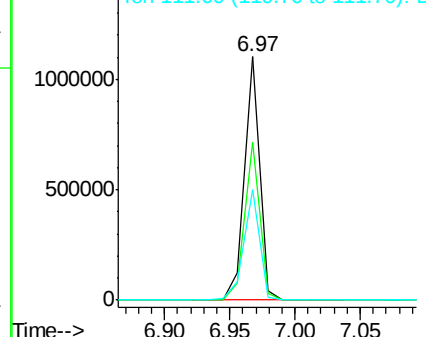
146 100

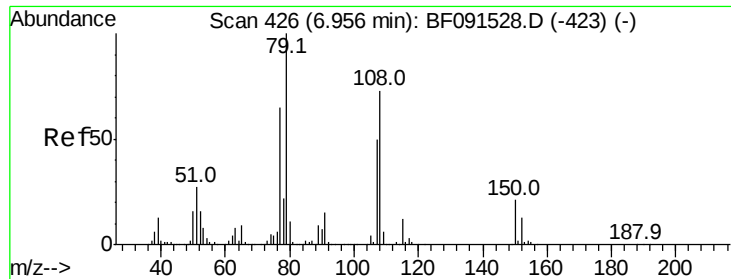
148 64.8 51.0 76.6

111 45.3 38.9 58.3



Abundance Ion 146.00 (145.70 to 146.70): E
1500000 Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 47.42 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

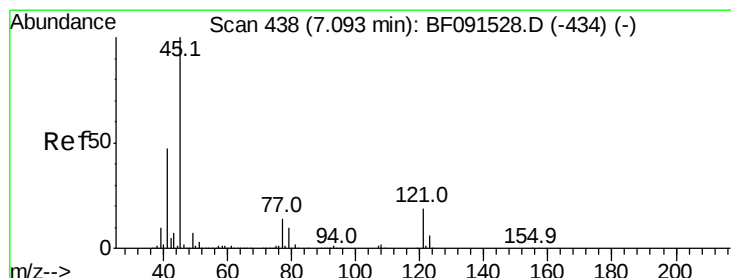
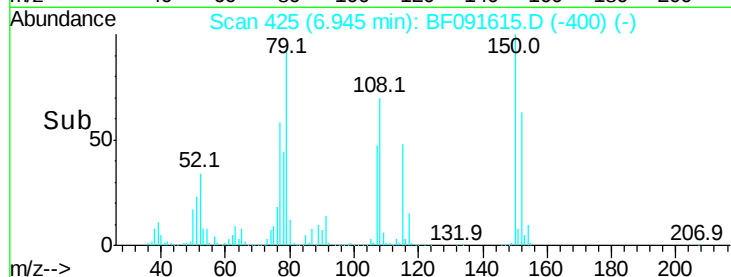
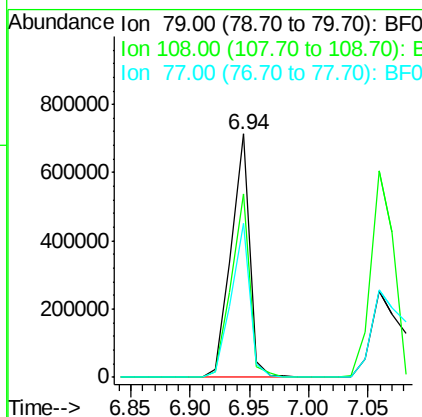
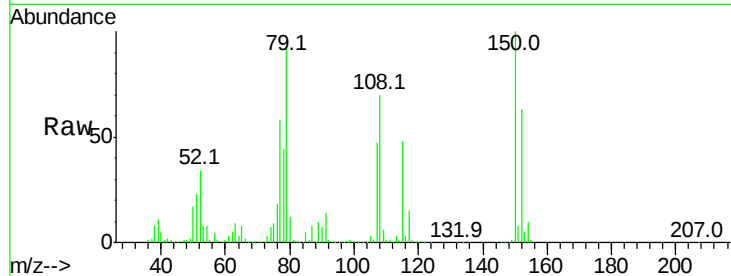
ClientSampleId :

PB95264BSD

Tot Ion:	79	Resp:	777536
Ion Ratio	Lower	Upper	
79	100		
108	75.5	62.7	94.1
77	63.1	51.7	77.5

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#16

2,2'-oxybis(1-chloropropane)

Concen: 45.42 ng

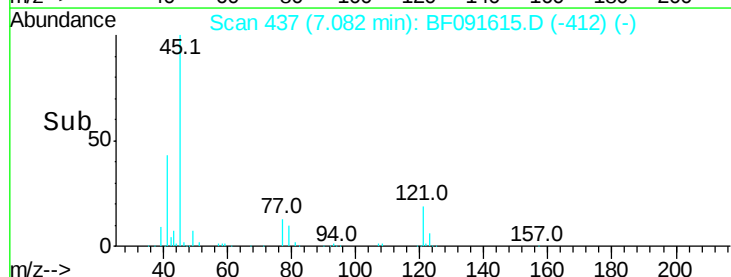
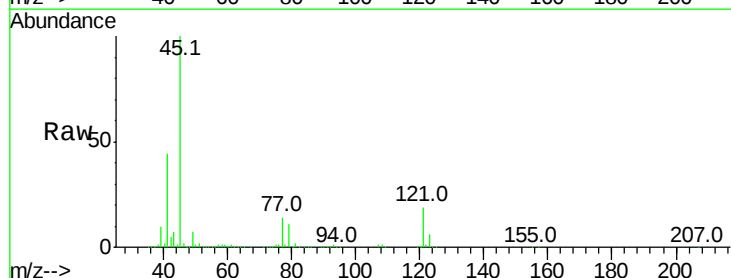
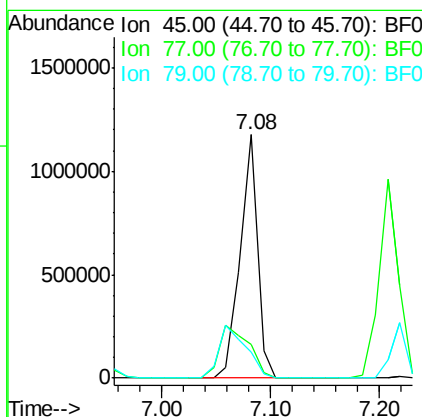
RT: 7.08 min Scan# 437

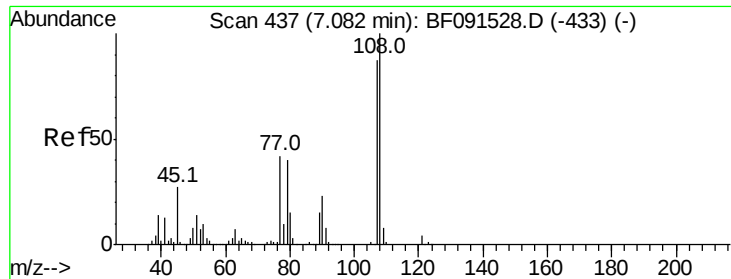
Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Tgt Ion:	45	Resp:	1283875
Ion Ratio	Lower	Upper	
45	100		
77	13.7	3.8	43.8
79	10.9	0.2	40.2





#17

2-Methylphenol

Concen: 45.71 ng/ml

RT: 7.06 min Scan# 435

Delta R.T. -0.02 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

ClientSampleId :

PB95264BSD

Tot Ion:107 Resp: 711062

Ion Ratio Lower Upper

107 100

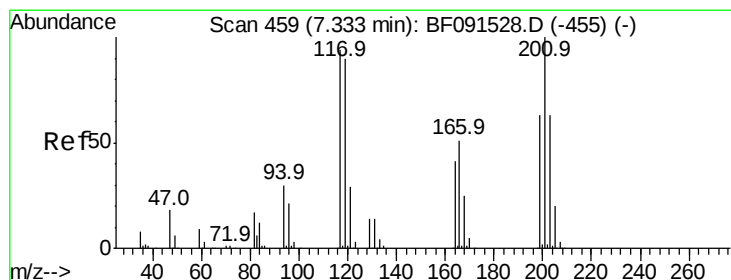
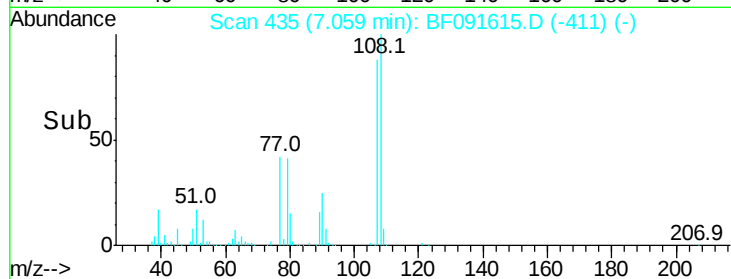
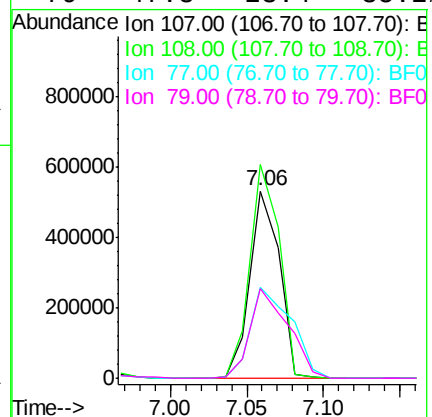
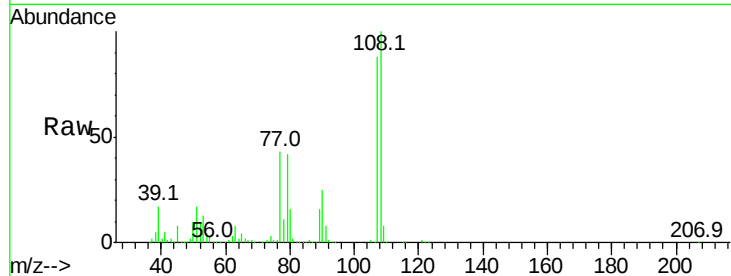
108 114.0 67.7 101.5#

77 48.5 40.7 61.1

79 47.8 23.4 35.2#

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#18

Hexachloroethane

Concen: 37.99 ng/ml

RT: 7.31 min Scan# 457

Delta R.T. -0.02 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

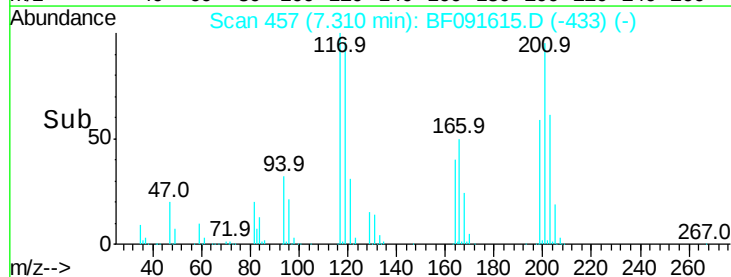
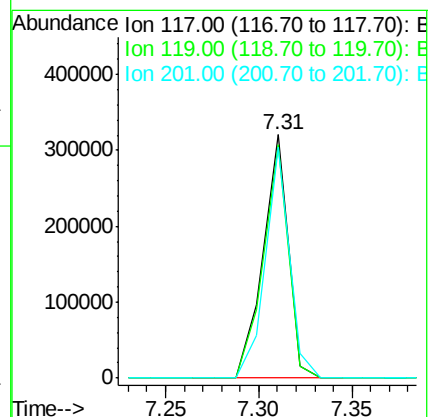
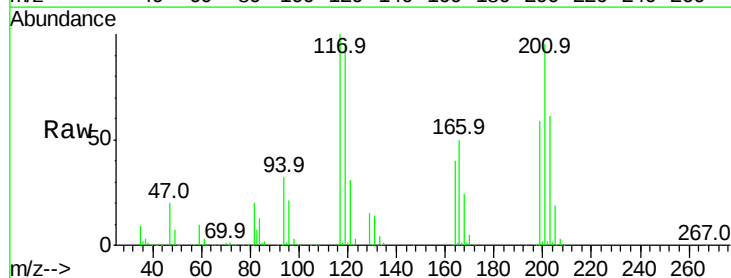
Tgt Ion:117 Resp: 298175

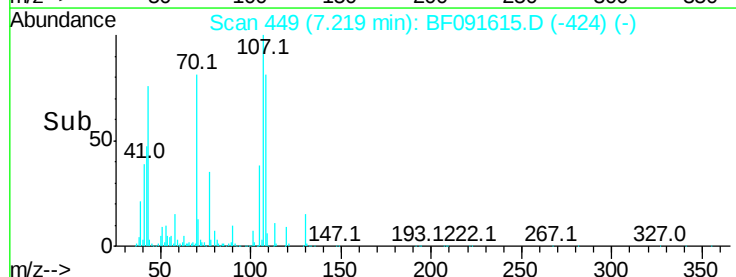
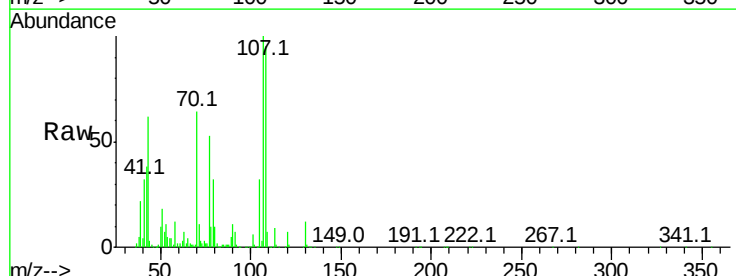
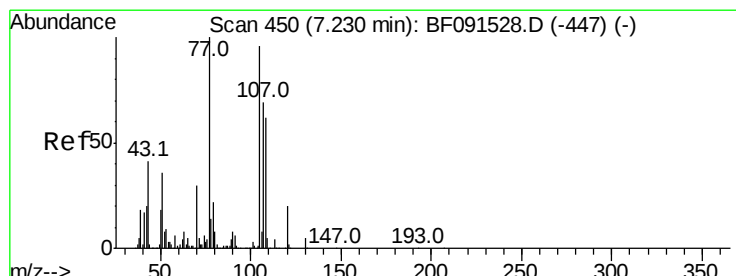
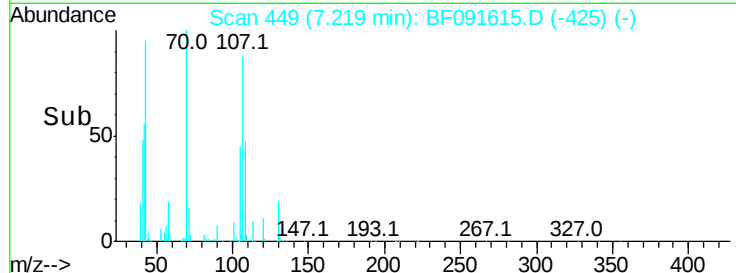
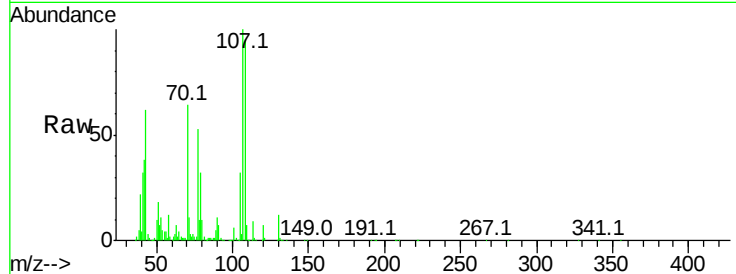
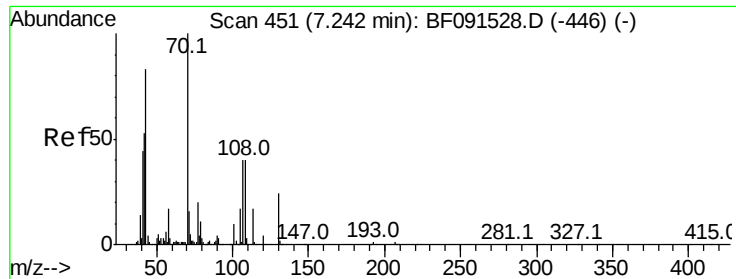
Ion Ratio Lower Upper

117 100

119 95.8 78.6 118.0

201 94.7 86.7 130.1





#19

n-Nitroso-di-n-propylamine

Concen: 47.88 ng

RT: 7.22 min Scan# 449

Delta R.T. -0.02 min

Lab File: BF091615.D

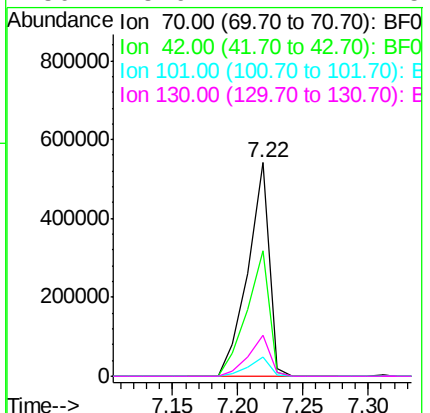
Acq: 15 Dec 2016 7:36

Instrument :
BNA_F
ClientSampleId :
PB95264BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	58.5	64.8	97.2#		
101	9.1	6.2	9.4		
130	18.9	11.7	17.5#		

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#20

3+4-Methylphenols

Concen: 51.25 ng

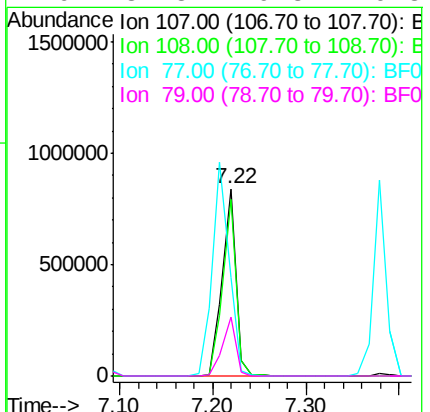
RT: 7.22 min Scan# 449

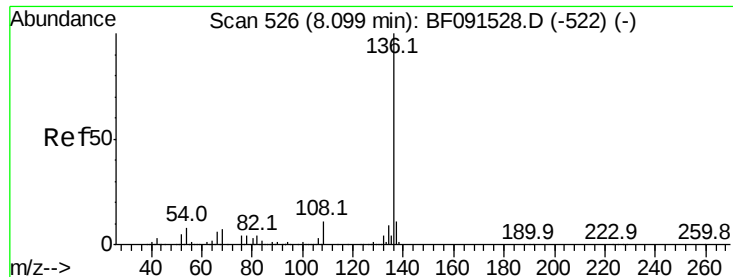
Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	94.6	64.6	104.6		
77	53.0	30.9	70.9		
79	31.8	9.3	49.3		





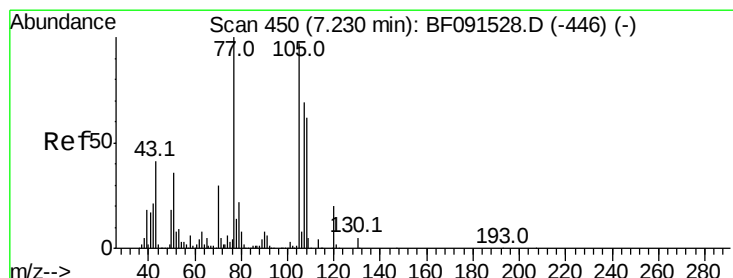
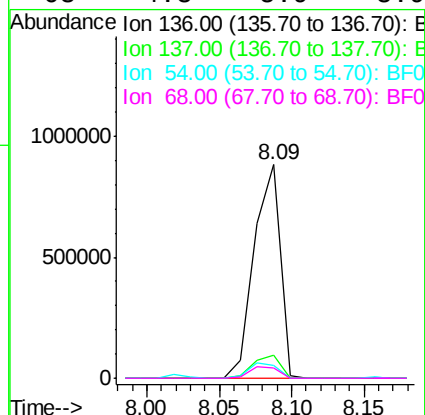
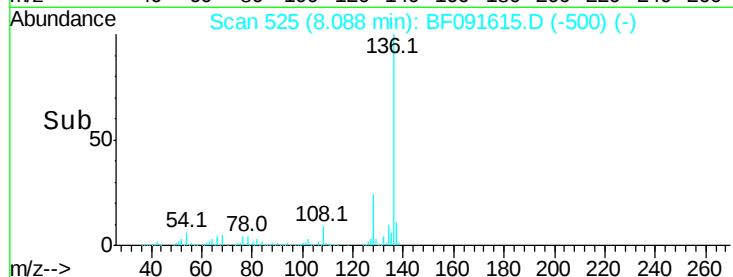
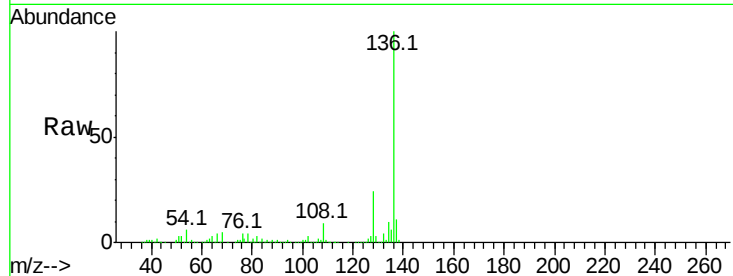
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.01 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Instrument :
BNA_F
ClientSampleId :
PB95264BSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.9	9.1	13.7#
68	4.8	5.9	8.9#

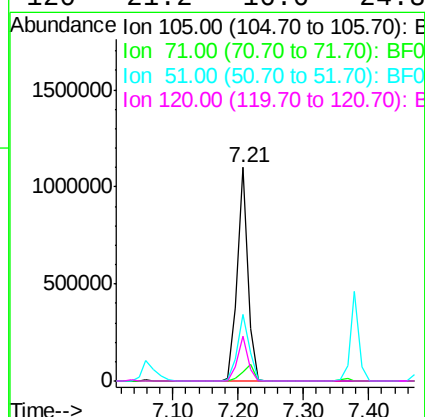
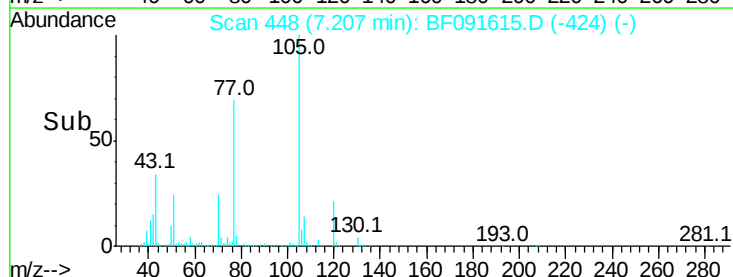
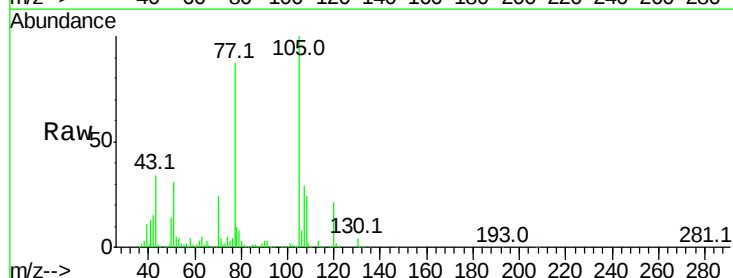
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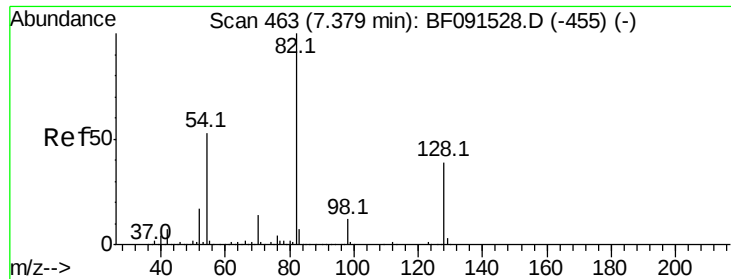
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#22
Acetophenone
Concen: 45.75 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.02 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Tgt Ion	Ratio	Lower	Upper
105	100		
71	4.1	7.9	11.9#
51	31.3	24.5	36.7
120	21.2	16.6	24.8





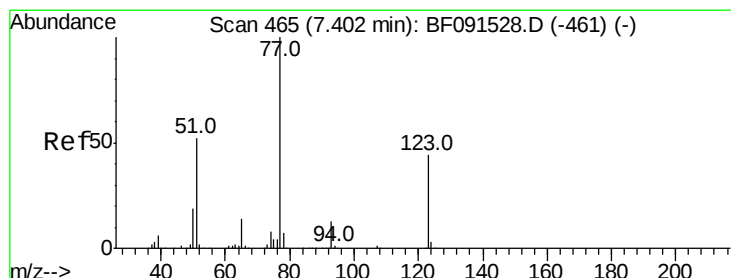
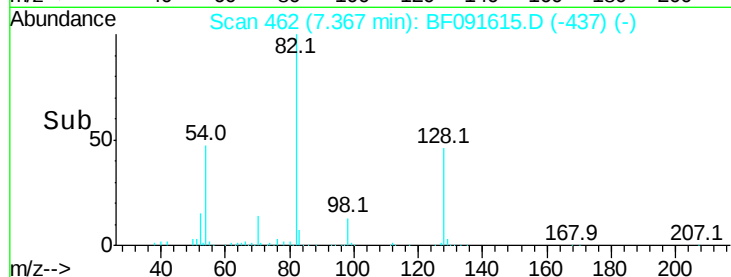
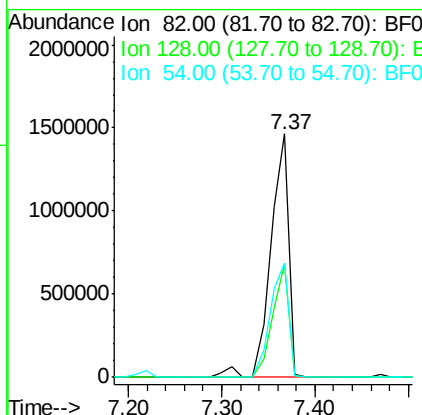
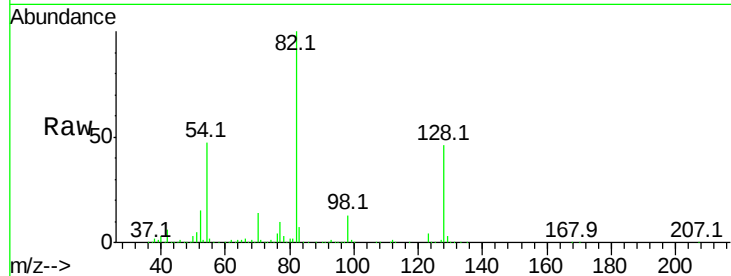
#23
 Nitrobenzene-d5
 Concen: 101.33 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.01 min
 Lab File: BF091615.D
 Acq: 15 Dec 2016 7:36

Instrument :
 BNA_F
 ClientSampleId :
 PB95264BSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	31.8	47.6
54	47.2	49.1	73.7#

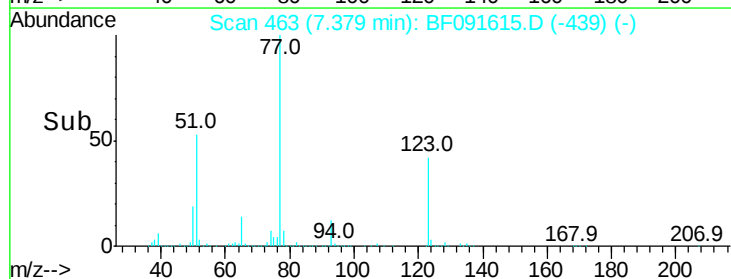
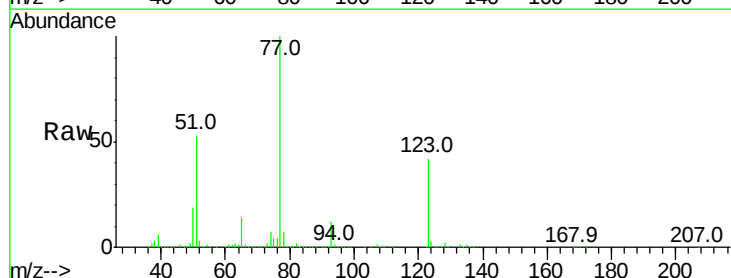
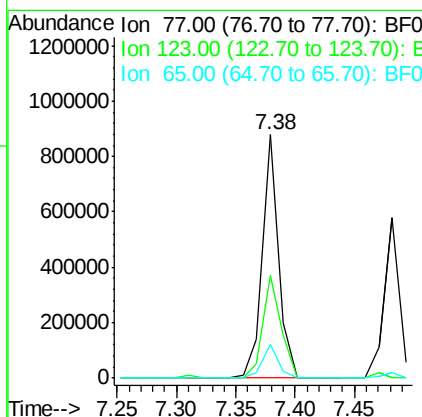
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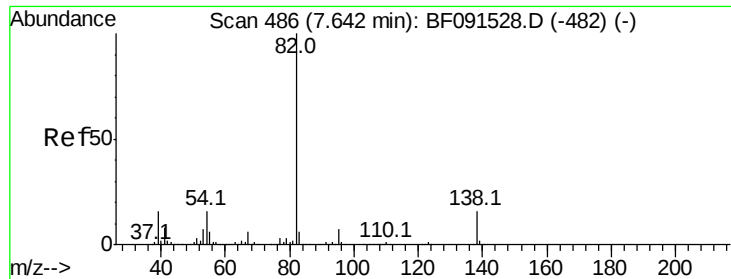
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#24
 Nitrobenzene
 Concen: 40.53 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.02 min
 Lab File: BF091615.D
 Acq: 15 Dec 2016 7:36

Tgt Ion	Ratio	Lower	Upper
77	100		
123	42.3	28.5	42.7
65	13.8	12.5	18.7





#25

Isophorone

Concen: 48.77 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.02 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

ClientSampleId :

PB95264BSD

Tot Ion: 82 Resp: 1716591

Ion Ratio Lower Upper

82 100

95 6.8 5.7 8.5

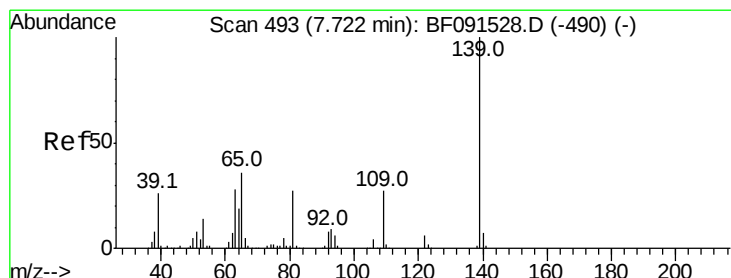
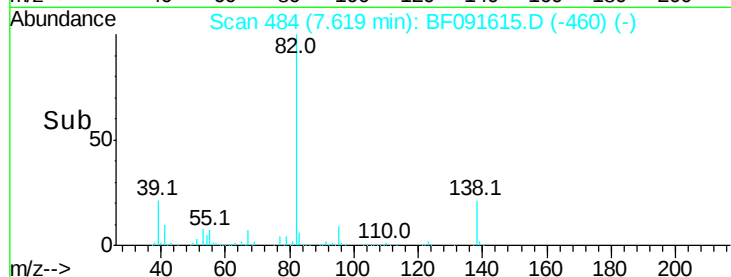
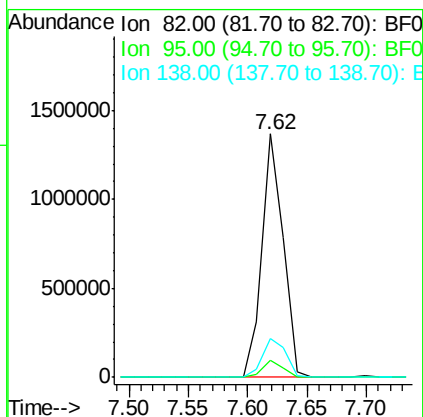
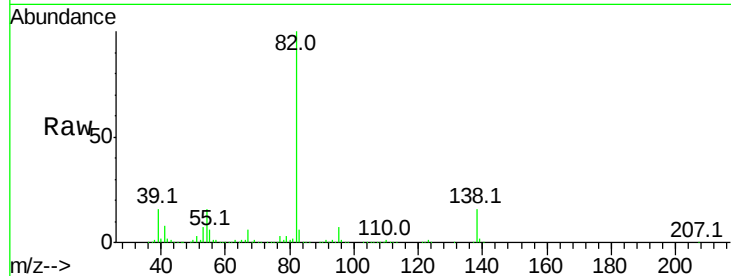
138 15.9 13.4 20.0

Manual Integrations

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#26

2-Nitrophenol

Concen: 34.18 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.02 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

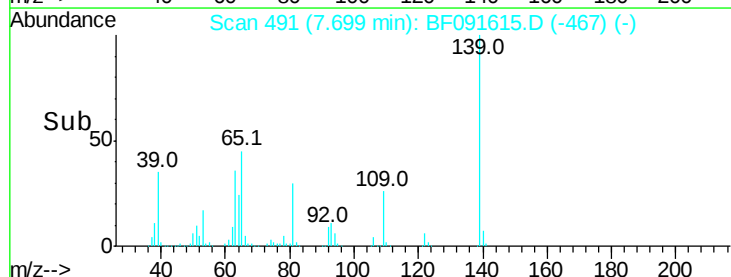
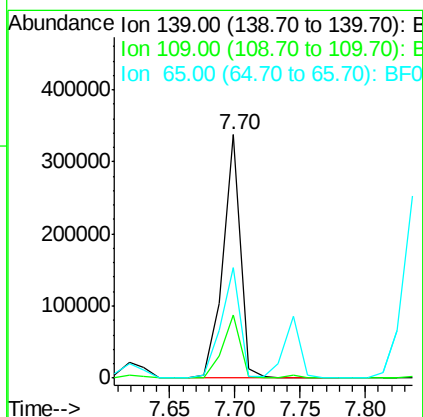
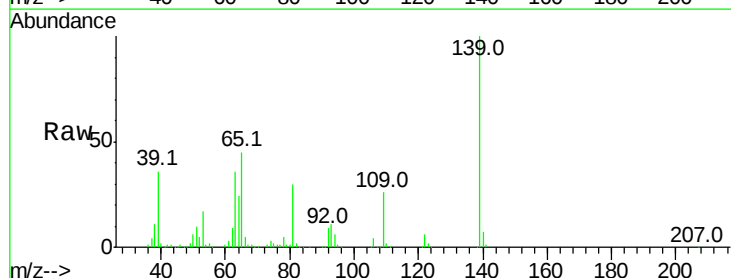
Tgt Ion: 139 Resp: 315586

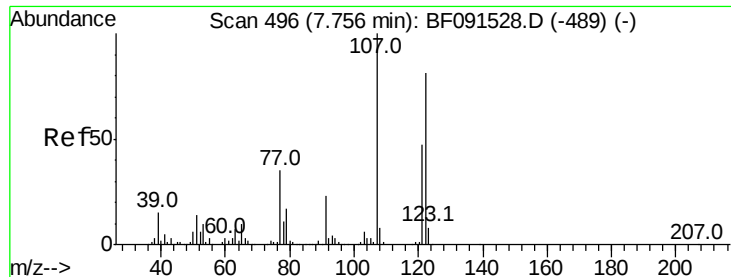
Ion Ratio Lower Upper

139 100

109 26.2 25.3 37.9

65 45.2 55.4 83.2#





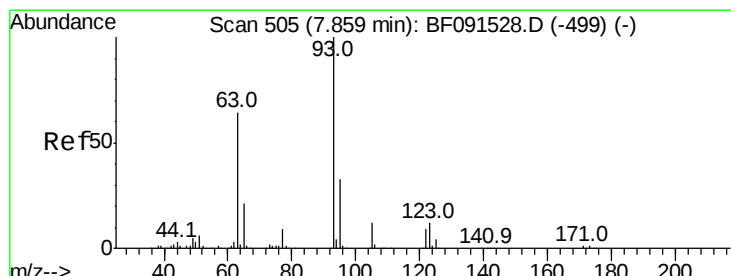
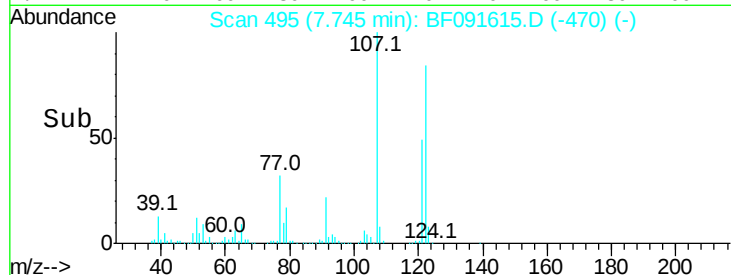
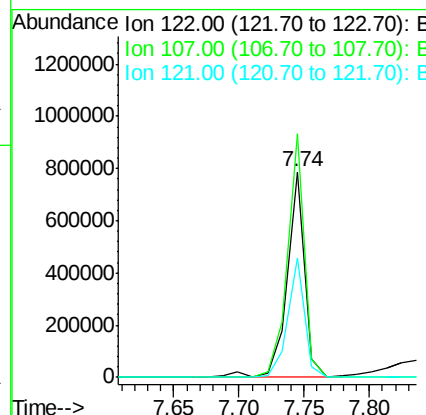
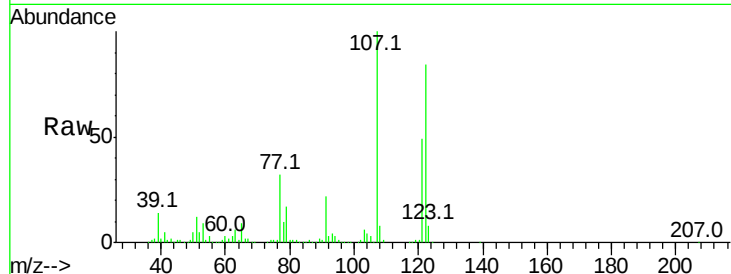
#27
2,4-Dimethylphenol
Concen: 46.17 ng
RT: 7.74 min Scan# 495
Delta R.T. -0.01 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Instrument :
BNA_F
ClientSampleId :
PB95264BSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	748719		
107	118.4	96.8	145.2	
121	57.9	47.7	71.5	

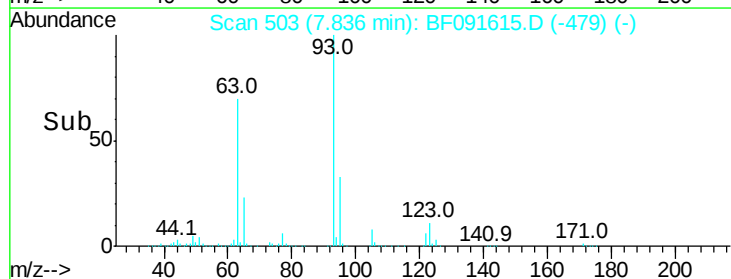
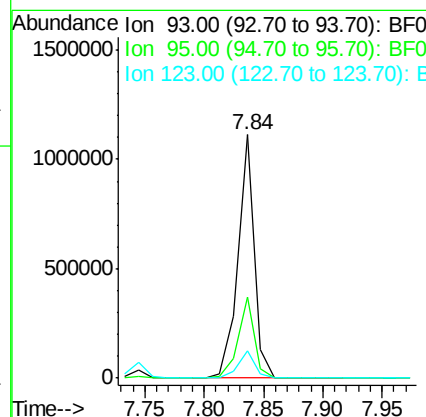
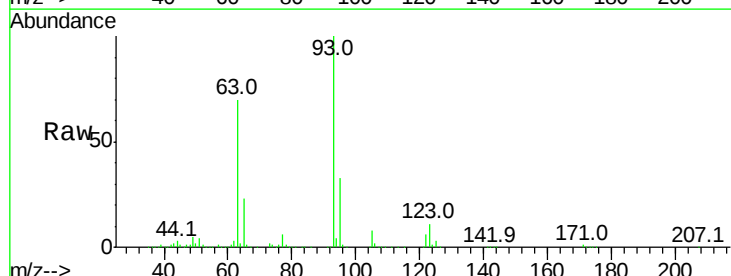
Manual Integrations
APPROVED

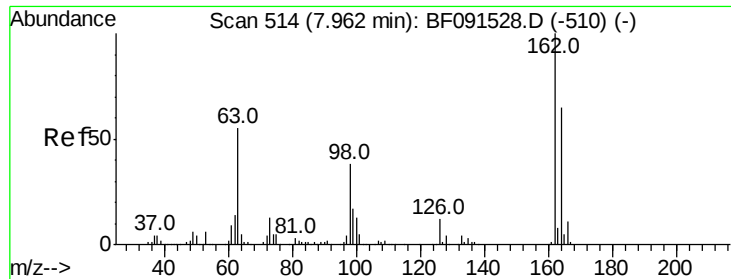
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#28
bis(2-Chloroethoxy)methane
Concen: 51.68 ng
RT: 7.84 min Scan# 503
Delta R.T. -0.02 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	1067044		
95	33.2	26.0	39.0	
123	11.0	8.6	12.8	





#29

2,4-Dichlorophenol

Concen: 45.16 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

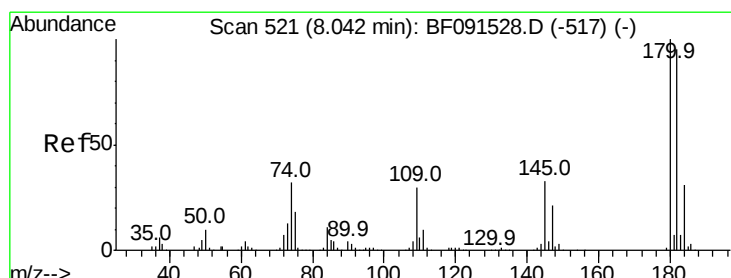
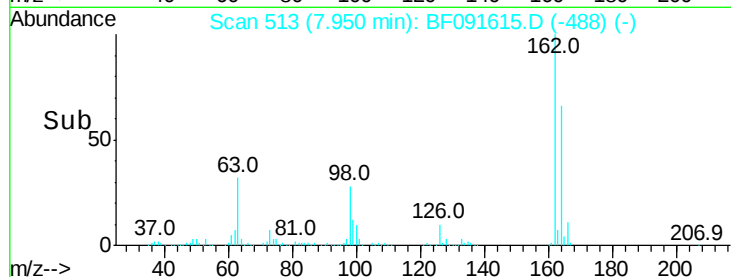
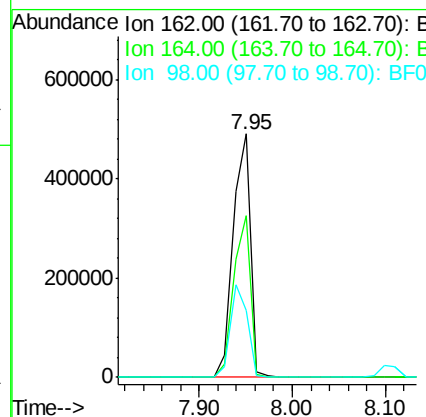
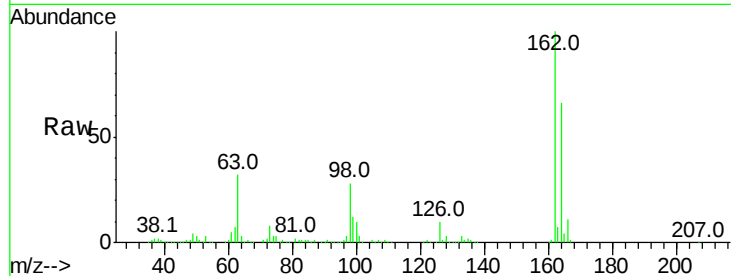
ClientSampleId :

PB95264BSD

Tot Ion:	162	Resp:	637220
Ion Ratio	Lower	Upper	
162	100		
164	66.2	45.0	85.0
98	27.5	21.3	61.3

Manual Integrations
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#30

1,2,4-Trichlorobenzene

Concen: 47.29 ng

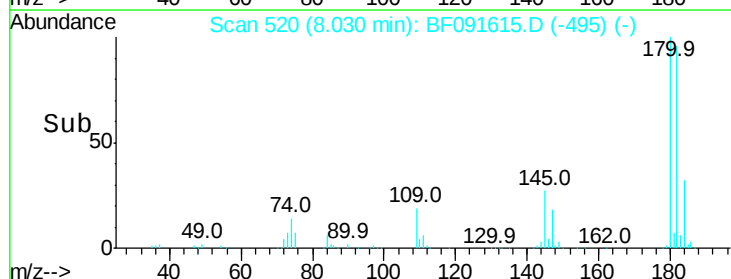
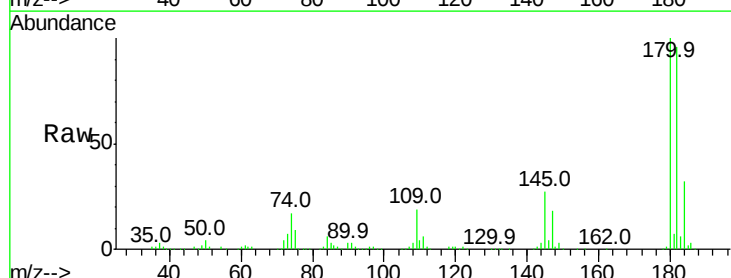
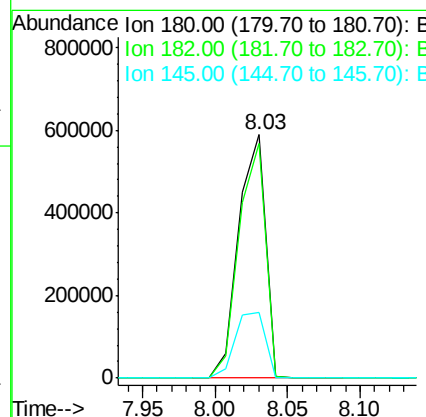
RT: 8.03 min Scan# 520

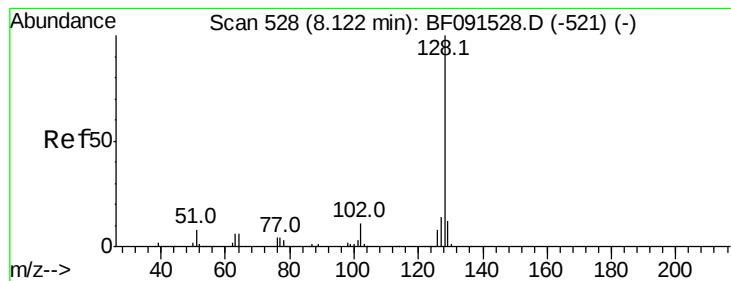
Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Tgt Ion:	180	Resp:	758348
Ion Ratio	Lower	Upper	
180	100		
182	96.2	75.8	113.8
145	26.7	27.0	40.4#





#31

Naphthalene

Concen: 45.54 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

ClientSampleId :

PB95264BSD

Tot Ion:128 Resp: 2341675

Ion Ratio Lower Upper

128 100

129 10.9 9.1 13.7

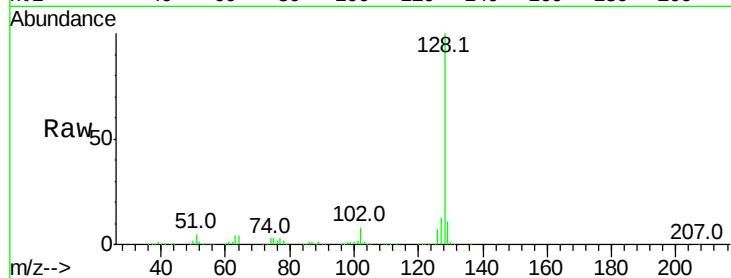
127 13.3 11.0 16.4

Manual Integrations

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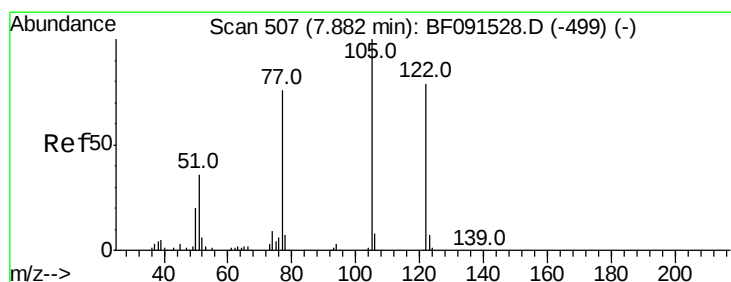
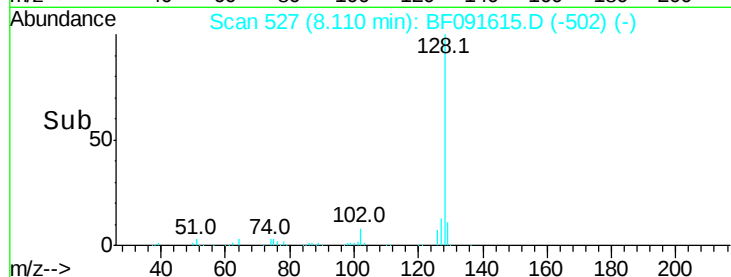
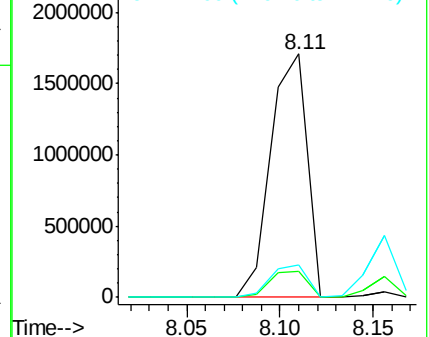
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 25.10 ng m

RT: 7.84 min Scan# 503

Delta R.T. -0.04 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

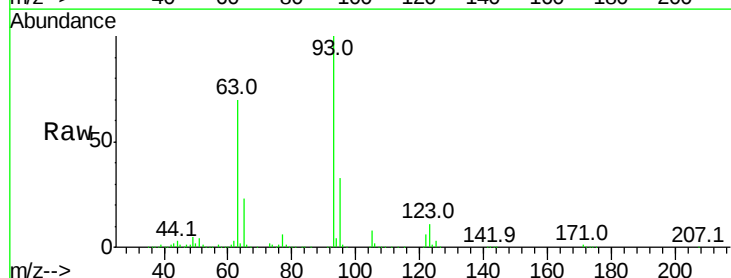
Tgt Ion:122 Resp: 261879

Ion Ratio Lower Upper

122 100

105 127.4 113.0 153.0

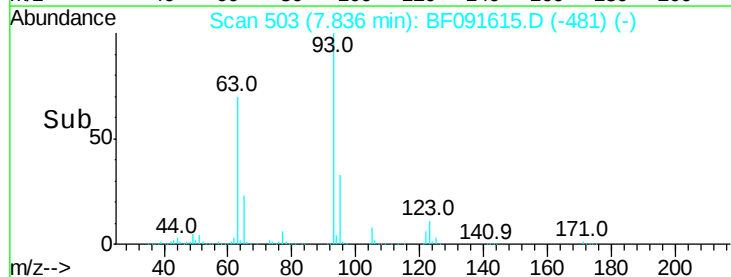
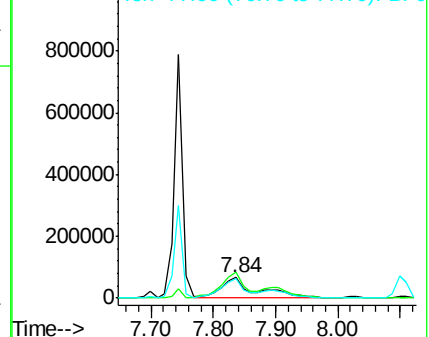
77 95.6 82.0 122.0

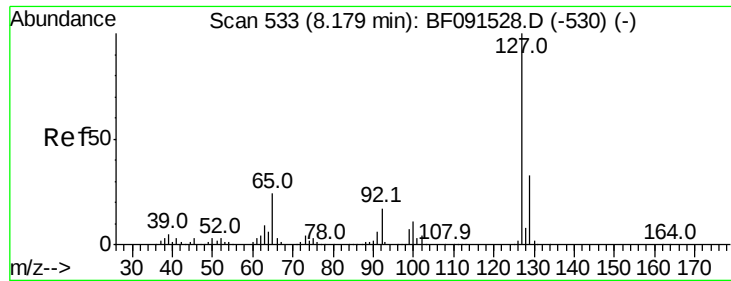


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





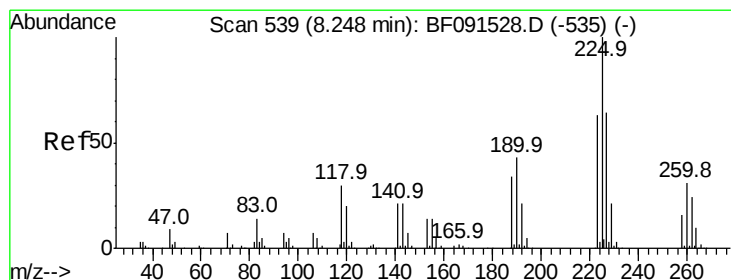
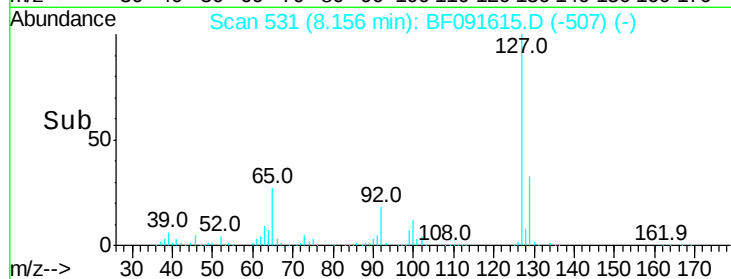
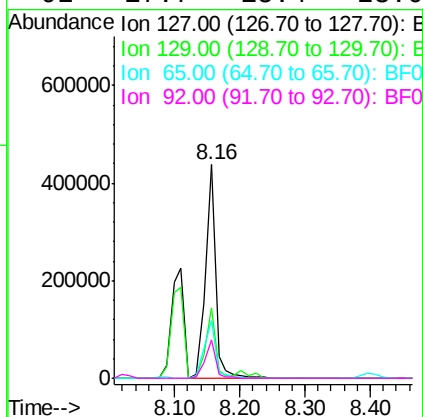
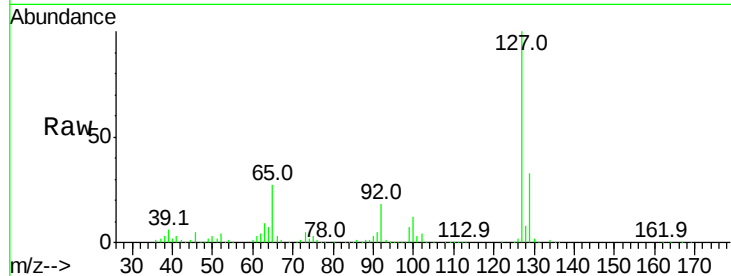
#33
4-Chloroaniline
Concen: 21.17 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.02 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Instrument :
BNA_F
ClientSampleId :
PB95264BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	33.0	26.2	39.4		
65	26.8	26.6	39.8		
92	17.7	15.4	23.0		

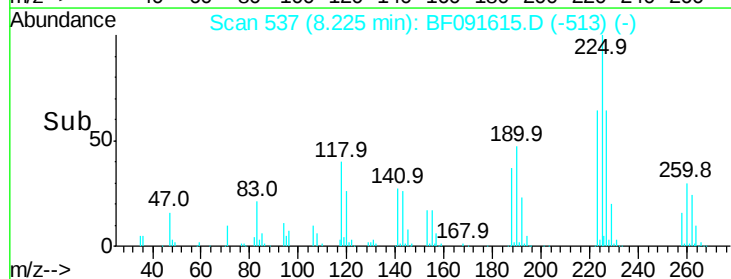
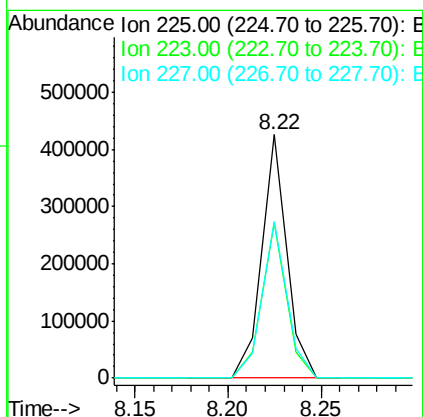
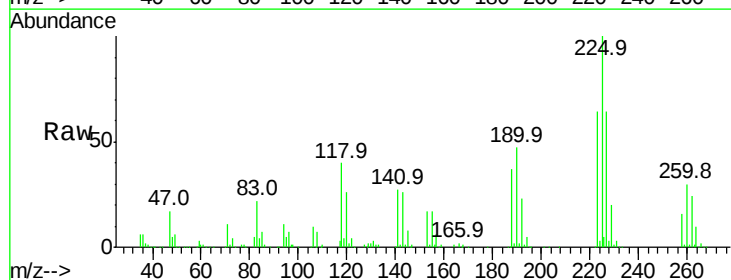
Manual Integrations
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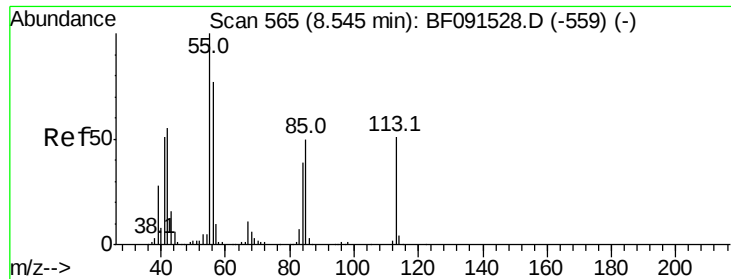
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#34
Hexachlorobutadiene
Concen: 42.92 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.02 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.8	49.8	74.6		
227	64.5	52.6	79.0		





#35

Caprolactam

Concen: 52.69 ng

RT: 8.53 min Scan# 564

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

ClientSampleId :

PB95264BSD

Tot Ion:113 Resp: 217117
Ion Ratio Lower Upper

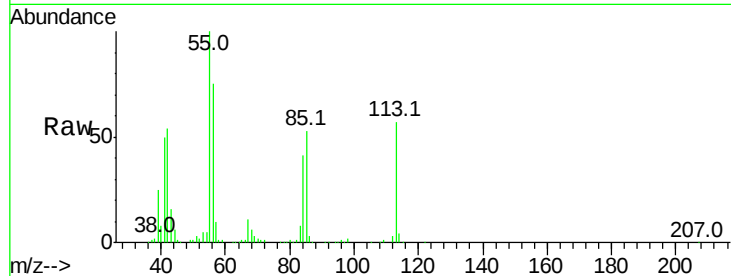
113 100

55 175.8 239.8 279.8#

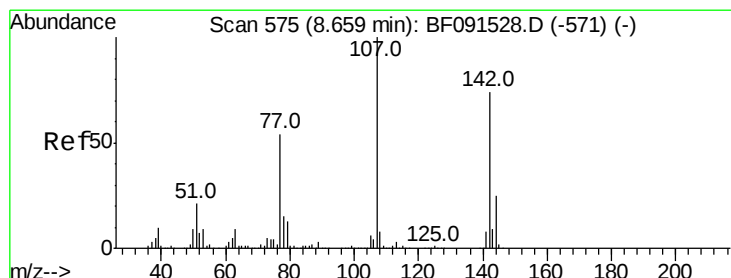
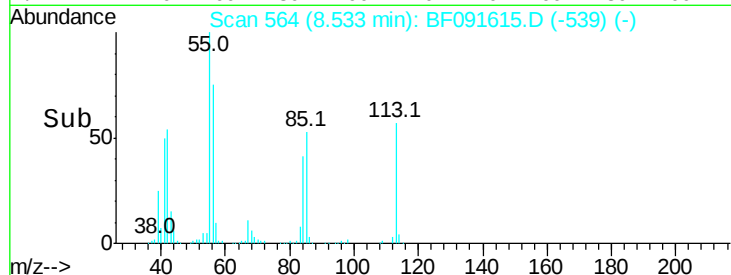
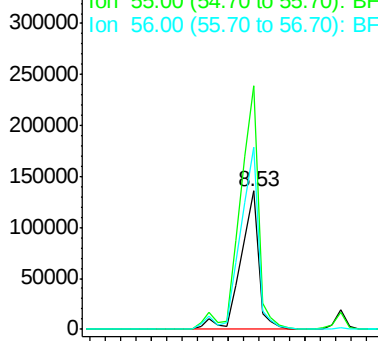
56 131.1 165.6 205.6#

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Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 42.62 ng

RT: 8.65 min Scan# 574

Delta R.T. -0.01 min

Lab File: BF091615.D

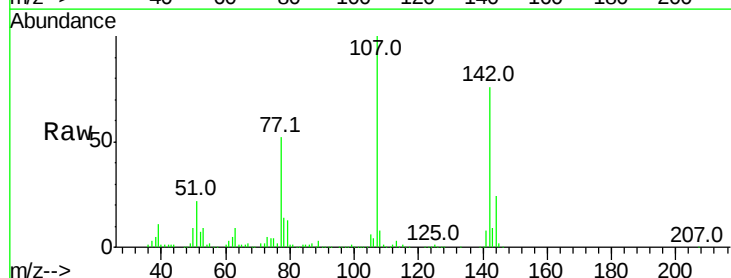
Acq: 15 Dec 2016 7:36

Tgt Ion:107 Resp: 674434
Ion Ratio Lower Upper

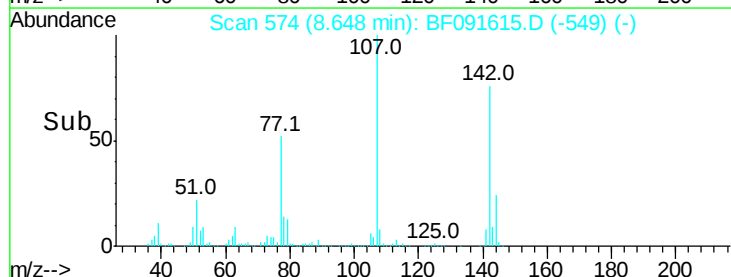
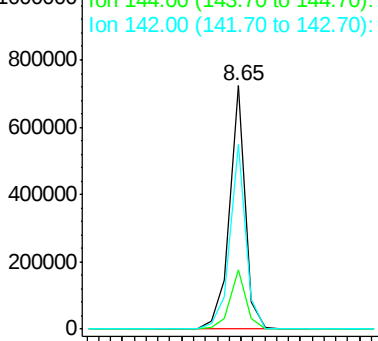
107 100

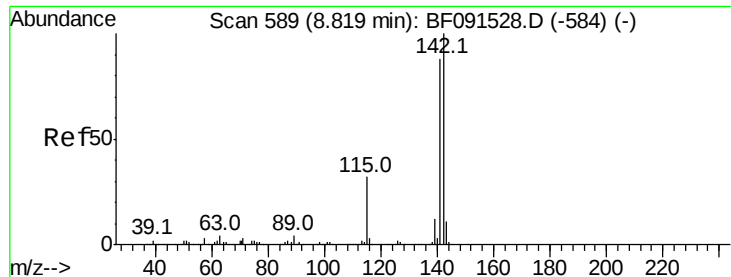
144 24.2 18.9 28.3

142 76.1 58.5 87.7



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





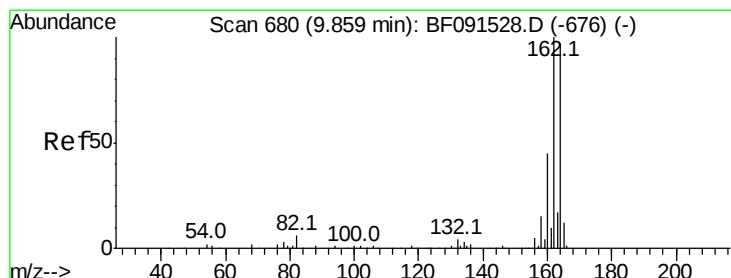
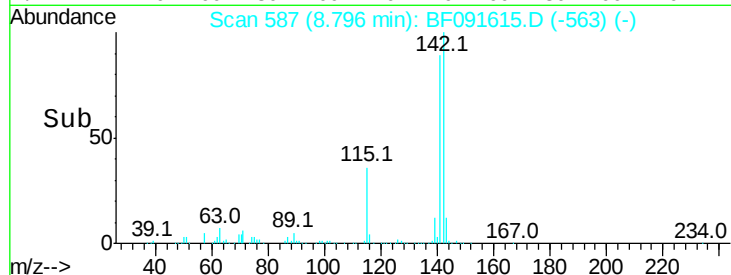
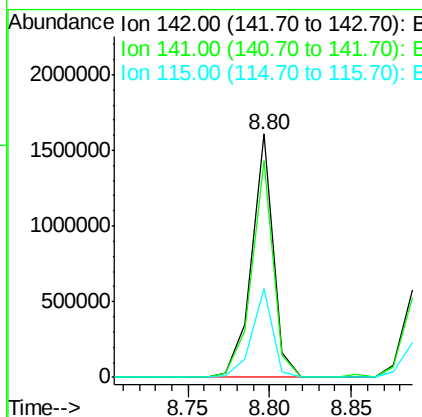
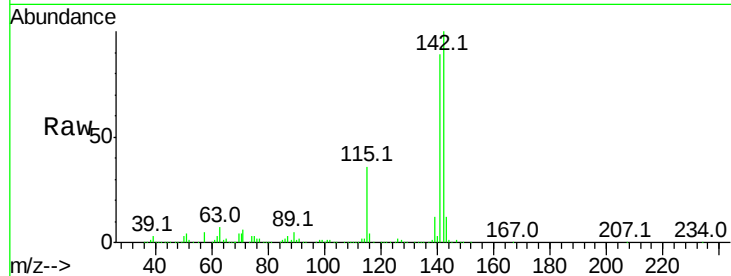
#37
2-Methylnaphthalene
Concen: 44.47 ng
RT: 8.80 min Scan# 587
Delta R.T. -0.02 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Instrument :
BNA_F
ClientSampleId :
PB95264BSD

Tot Ion:142 Resp: 1479770
Ion Ratio Lower Upper
142 100
141 88.8 71.7 107.5
115 36.3 25.0 37.6

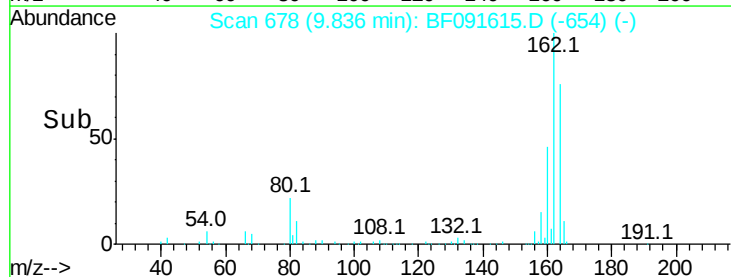
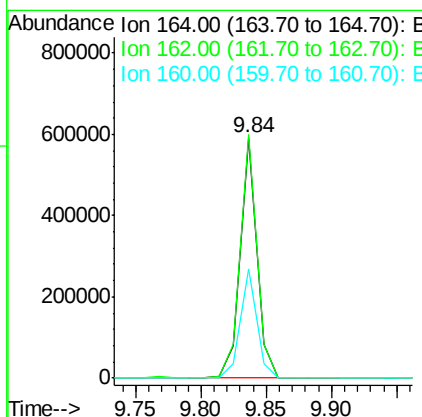
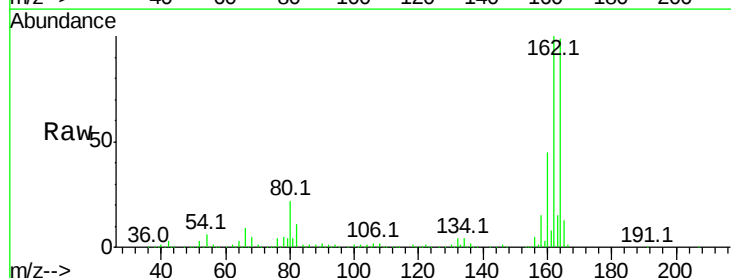
Manual Integrations
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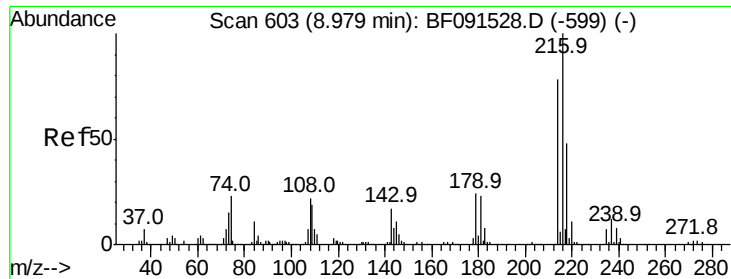
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.02 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Tgt Ion:164 Resp: 520992
Ion Ratio Lower Upper
164 100
162 101.4 82.6 124.0
160 45.5 36.7 55.1





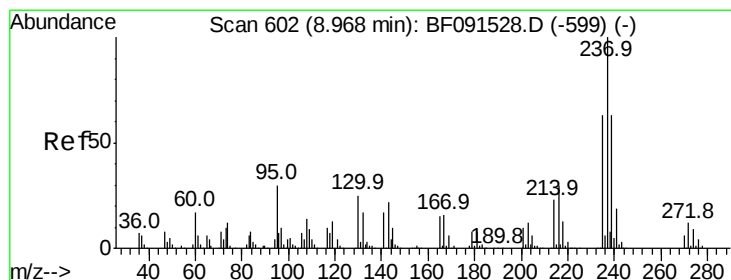
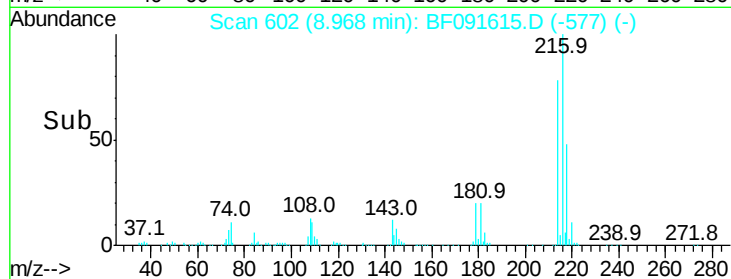
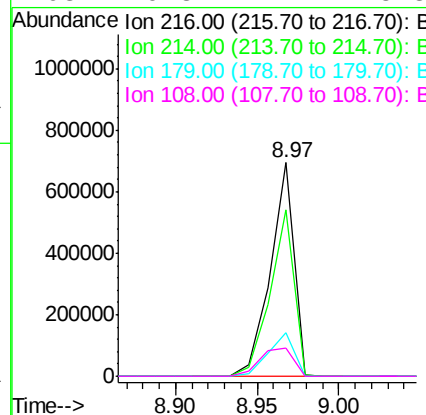
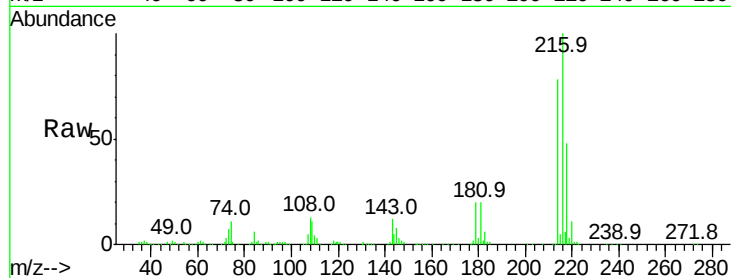
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 49.25 ng
 RT: 8.97 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF091615.D
 Acq: 15 Dec 2016 7:36

Instrument :
 BNA_F
 ClientSampleId :
 PB95264BSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	703834		
214	78.9	63.8	95.8	
179	21.9	18.2	27.2	
108	19.3	17.2	25.8	

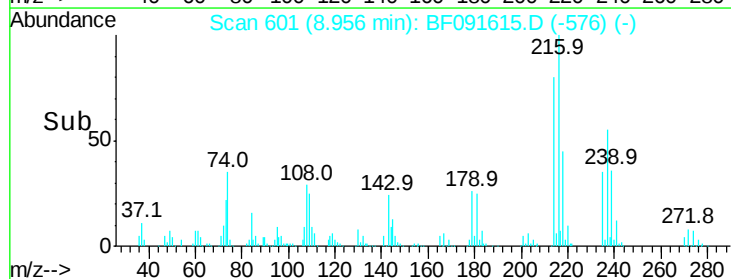
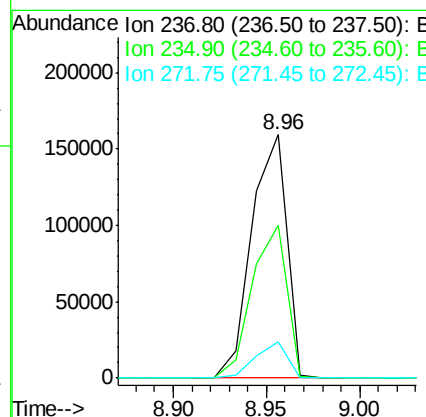
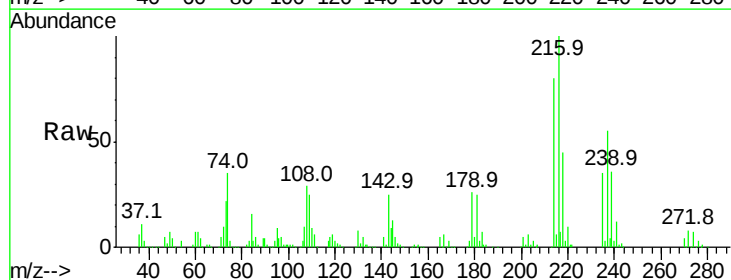
Manual Integrations
 APPROVED

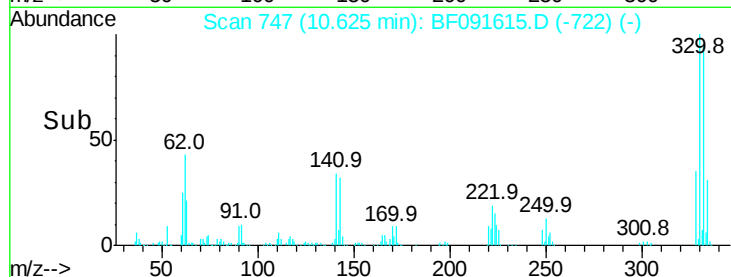
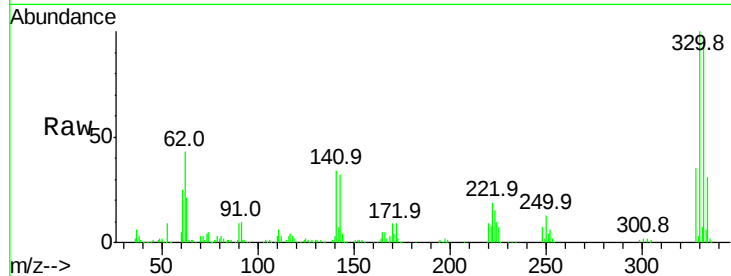
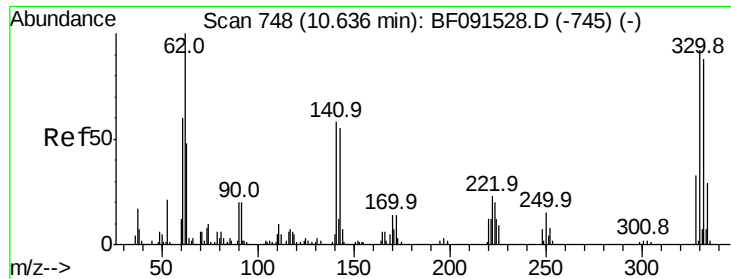
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#40
 Hexachlorocyclopentadiene
 Concen: 32.50 ng
 RT: 8.96 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: BF091615.D
 Acq: 15 Dec 2016 7:36

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	207056		
235	62.9	43.9	83.9	
272	14.7	0.0	33.1	





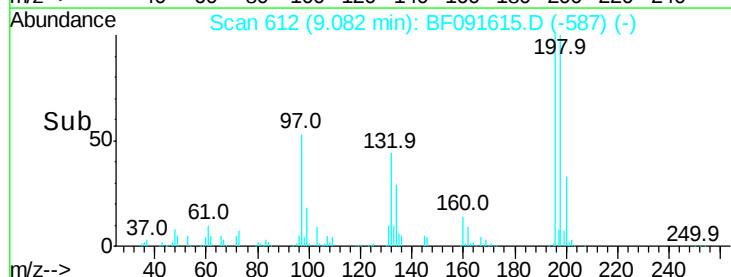
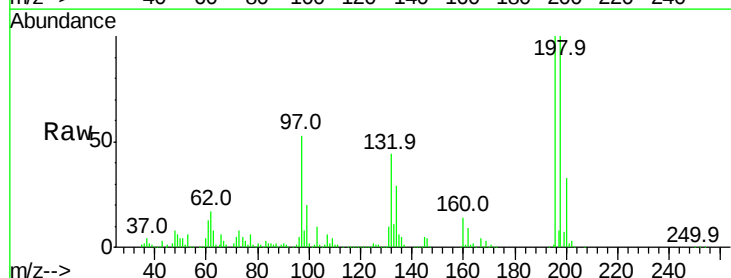
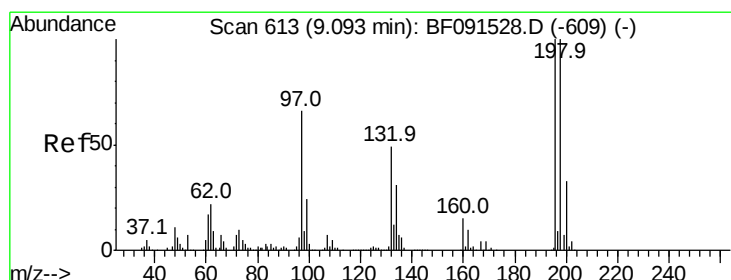
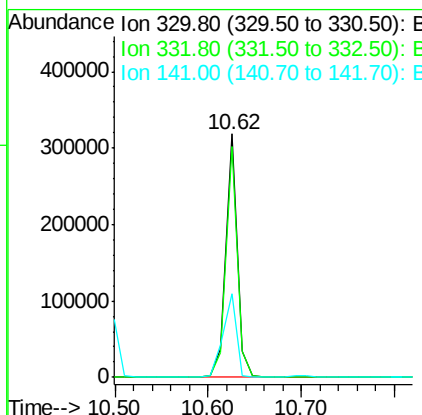
#41
 2,4,6-Tribromophenol
 Concen: 63.07 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF091615.D
 Acq: 15 Dec 2016 7:36

Tot Ion	Ratio	Resp	Lower	Upper
330	100	272921		
332	94.2	76.2	114.4	
141	39.3	33.6	50.4	

Instrument :
 BNA_F
 ClientSampleId :
 PB95264BSD

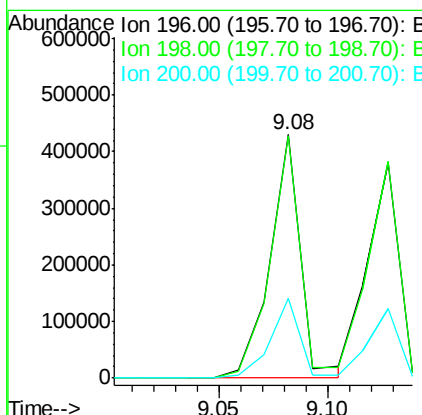
Manual Integrations
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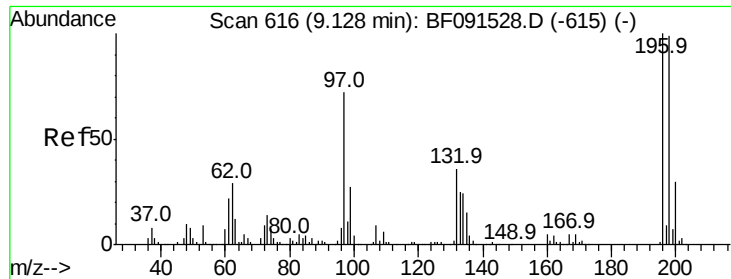
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 12/15/2016 5:41:55 PM



#42
 2,4,6-Trichlorophenol
 Concen: 45.97 ng
 RT: 9.08 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: BF091615.D
 Acq: 15 Dec 2016 7:36

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	422085		
198	99.5	77.4	116.0	
200	32.8	25.2	37.8	





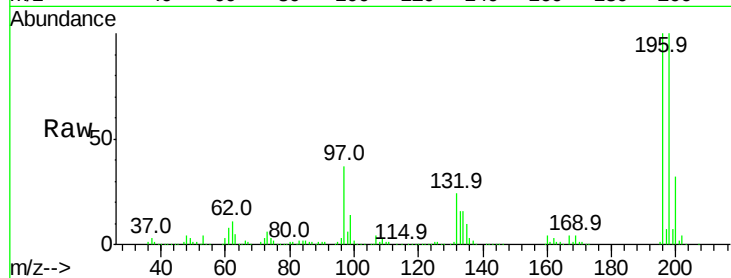
#43
 2,4,5-Trichlorophenol
 Concen: 40.71 ng
 RT: 9.13 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: BF091615.D
 Acq: 15 Dec 2016 7:36

Instrument :
 BNA_F
 ClientSampleId :
 PB95264BSD

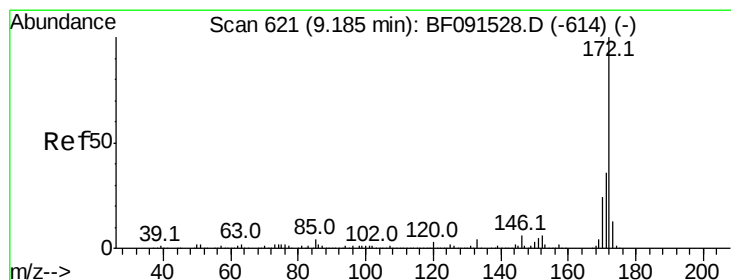
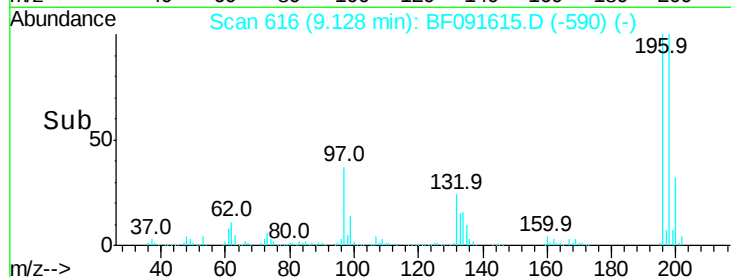
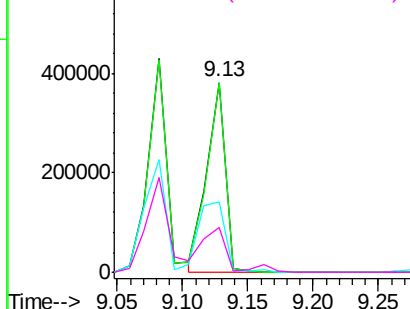
Tot Ion	Ratio	Resp	Lower	Upper
196	100			
198	100.1	77.0	115.6	
97	36.8	33.5	50.3	
132	23.7	20.5	30.7	

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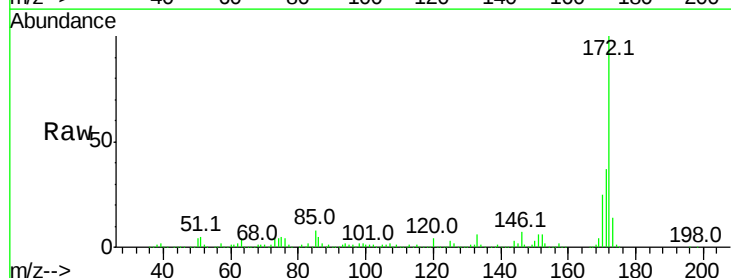


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

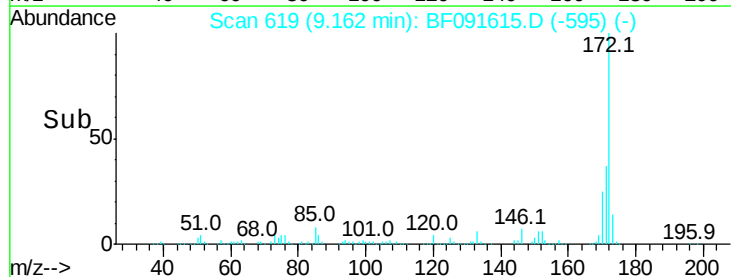
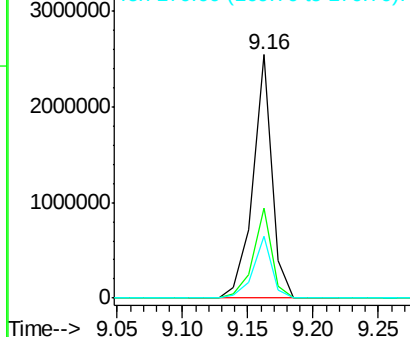


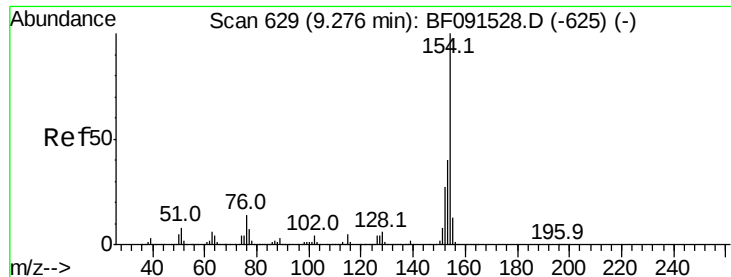
#44
 2-Fluorobiphenyl
 Concen: 85.99 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.02 min
 Lab File: BF091615.D
 Acq: 15 Dec 2016 7:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.1	29.4	44.0	
170	25.4	19.7	29.5	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 51.06 ng

RT: 9.26 min Scan# 628

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

ClientSampleId :

PB95264BSD

Tot Ion:154 Resp: 1926634

Ion Ratio Lower Upper

154 100

153 41.3 20.6 60.6

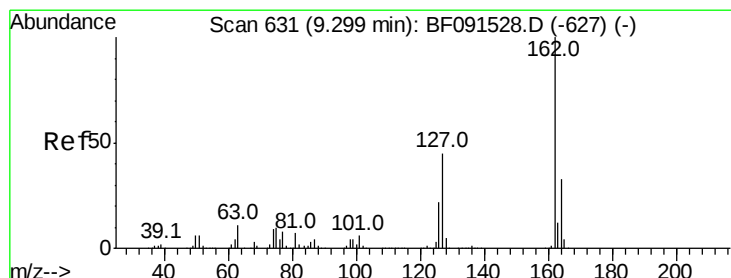
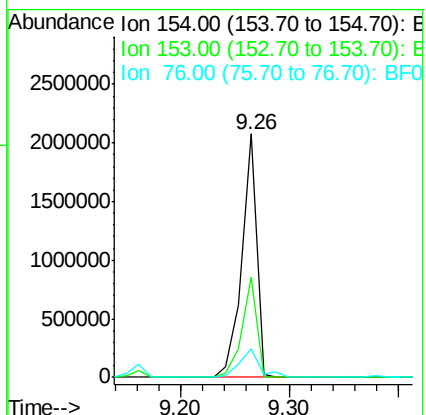
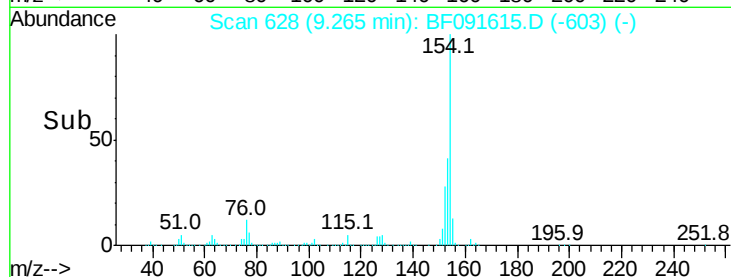
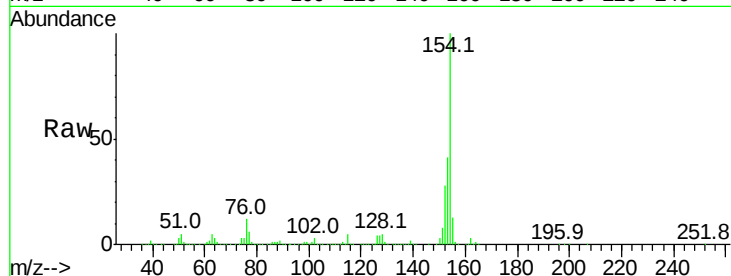
76 11.6 0.0 36.6

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12/15/2016 5:41:55 PM



#46

2-Chloronaphthalene

Concen: 49.11 ng

RT: 9.29 min Scan# 630

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

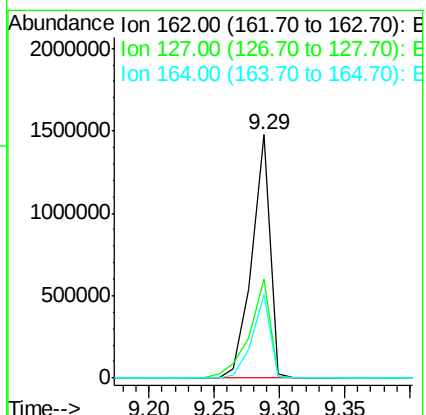
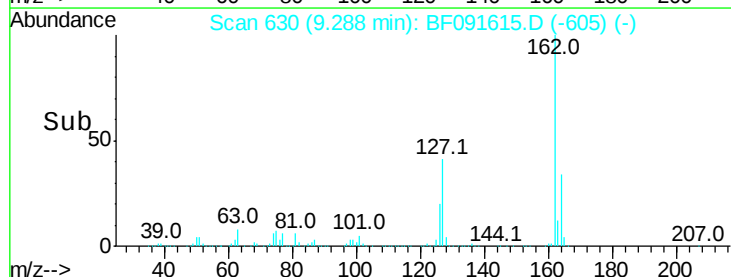
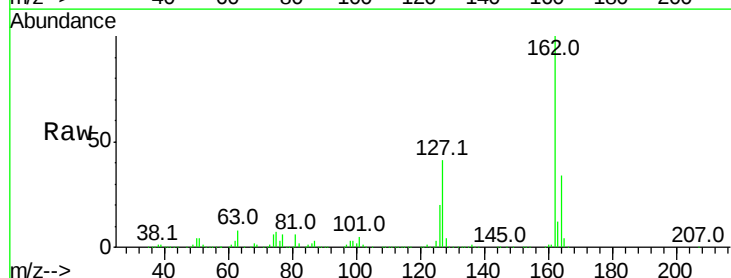
Tgt Ion:162 Resp: 1435153

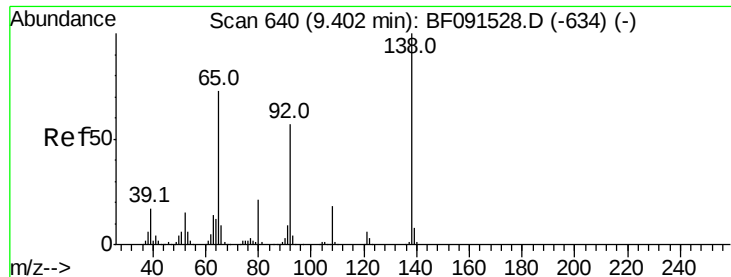
Ion Ratio Lower Upper

162 100

127 40.7 34.3 51.5

164 34.2 26.6 40.0





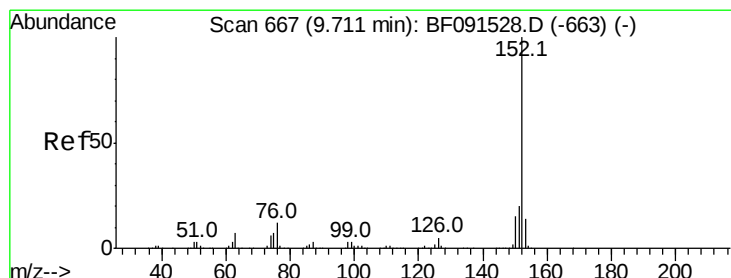
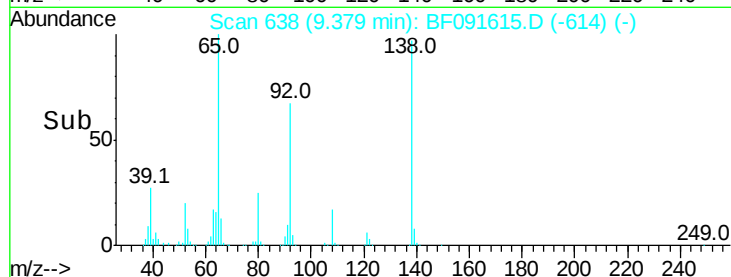
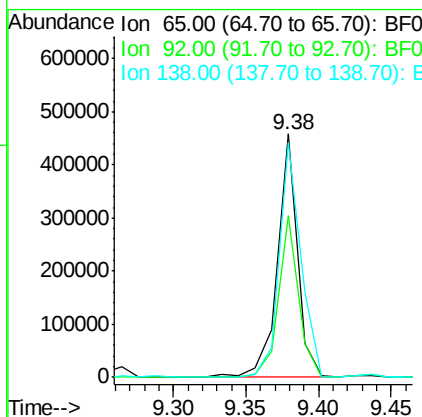
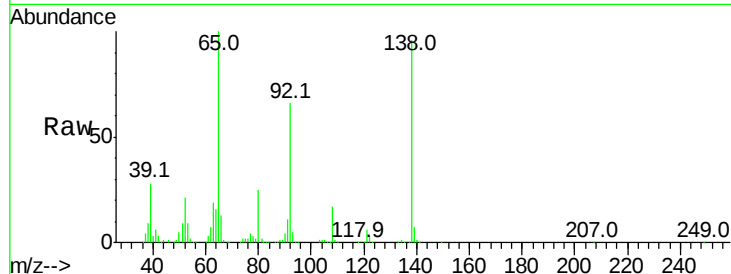
#47
2-Nitroaniline
Concen: 44.77 ng
RT: 9.38 min Scan# 638
Delta R.T. -0.02 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Instrument :
BNA_F
ClientSampleId :
PB95264BSD

Tot Ion: 65 Resp: 439907
Ion Ratio Lower Upper
65 100
92 66.5 53.6 80.4
138 96.1 91.0 136.6

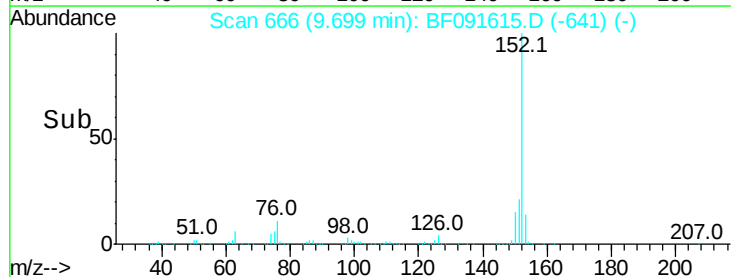
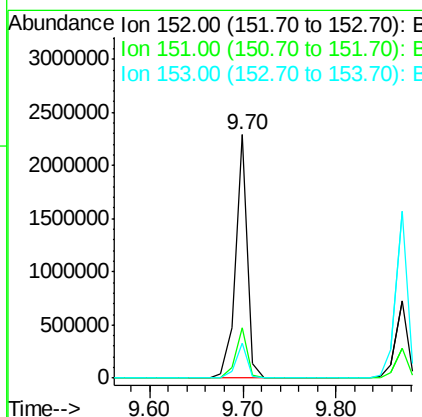
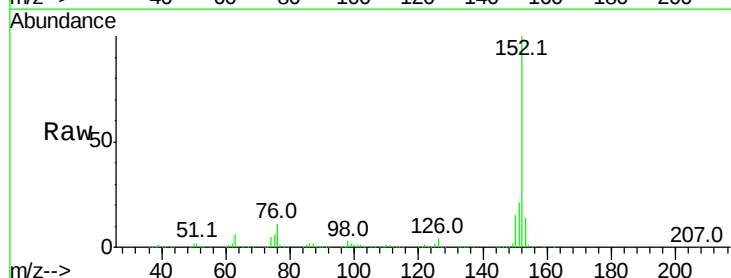
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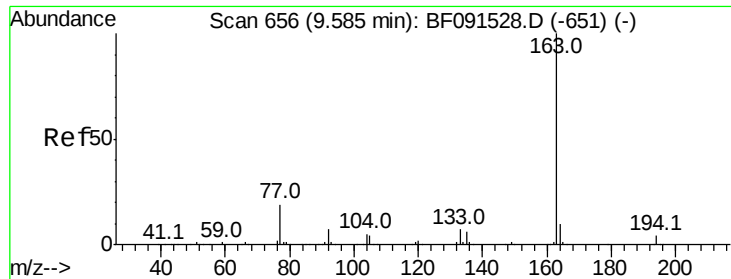
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#48
Acenaphthylene
Concen: 45.49 ng
RT: 9.70 min Scan# 666
Delta R.T. -0.01 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Tgt Ion: 152 Resp: 2026200
Ion Ratio Lower Upper
152 100
151 20.8 16.6 24.8
153 14.5 10.7 16.1





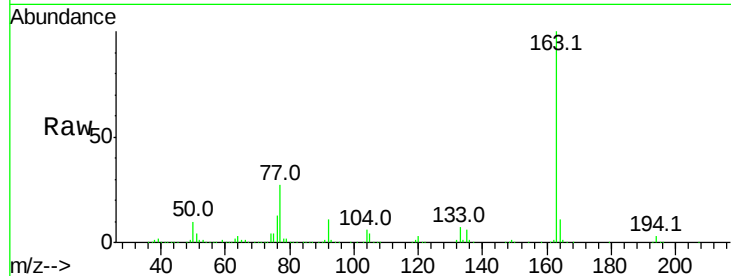
#49
Dimethylphthalate
Concen: 48.74 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.02 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Instrument :
BNA_F
ClientSampleId :
PB95264BSD

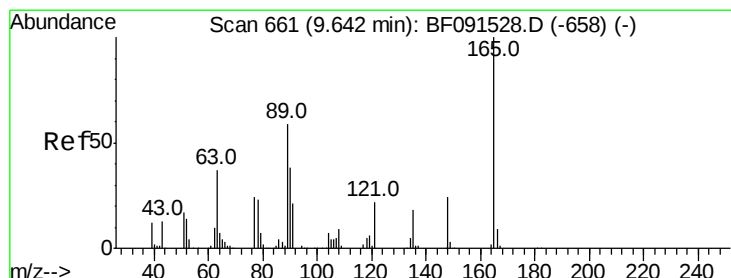
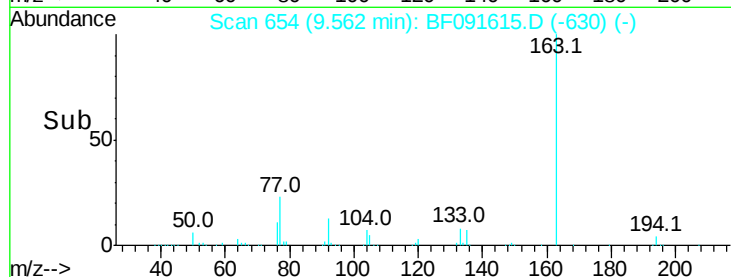
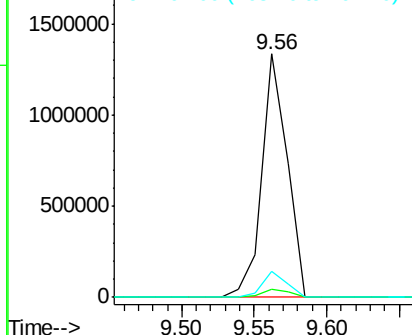
Tot Ion:163 Resp: 1607905
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 10.8 7.8 11.8

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12/15/2016 5:41:55 PM

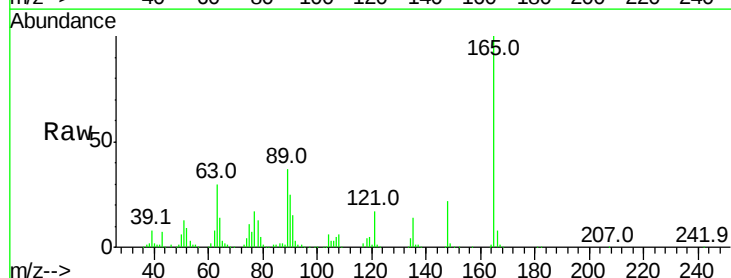


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

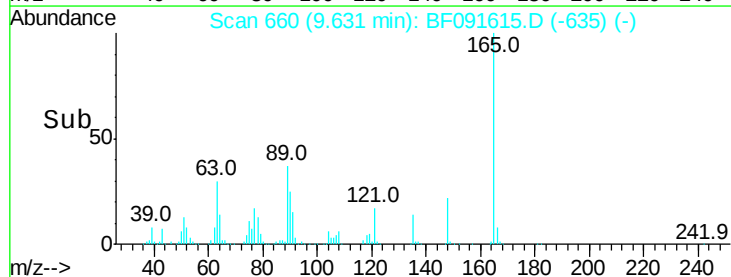
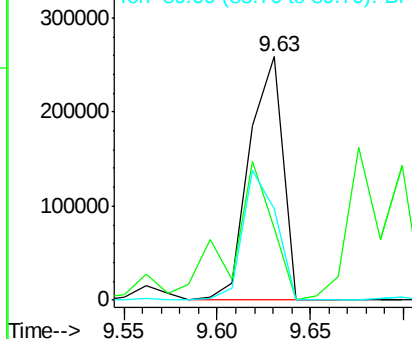


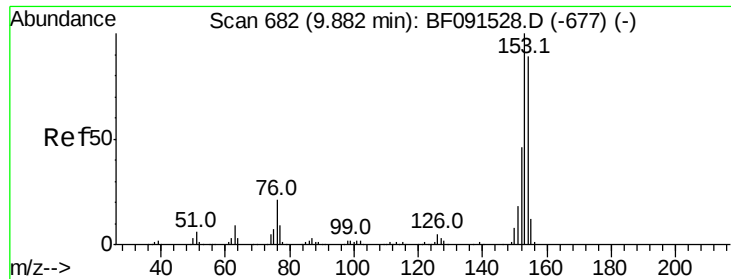
#50
2,6-Dinitrotoluene
Concen: 44.15 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.01 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Tgt Ion:165 Resp: 319703
Ion Ratio Lower Upper
165 100
63 29.8 59.4 89.0#
89 37.5 50.8 76.2#



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





#51

Acenaphthene

Concen: 40.26 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

ClientSampleId :

PB95264BSD

Tot Ion:154 Resp: 1245660

Ion Ratio Lower Upper

154 100

153 112.2 91.0 136.6

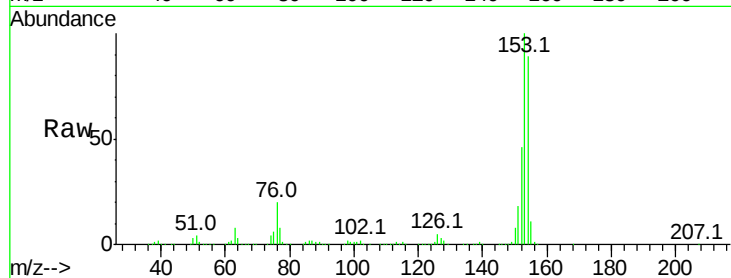
152 52.1 44.2 66.2

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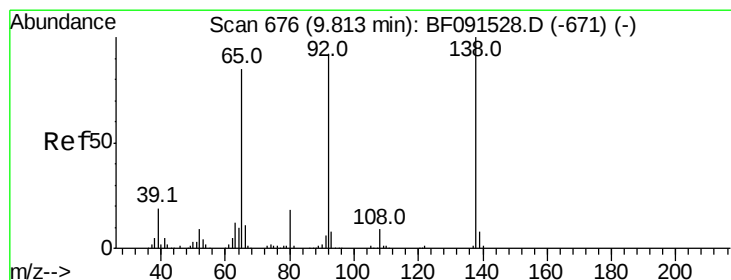
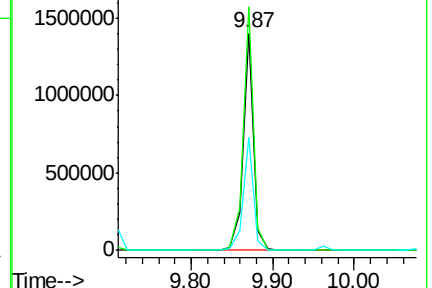
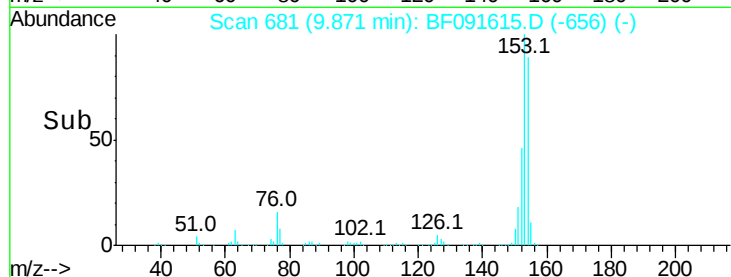
12/15/2016 5:41:55 PM



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: 42.55 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.02 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

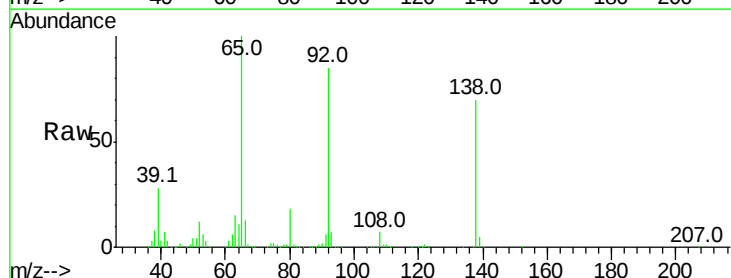
Tgt Ion:138 Resp: 361892

Ion Ratio Lower Upper

138 100

108 10.7 8.1 12.1

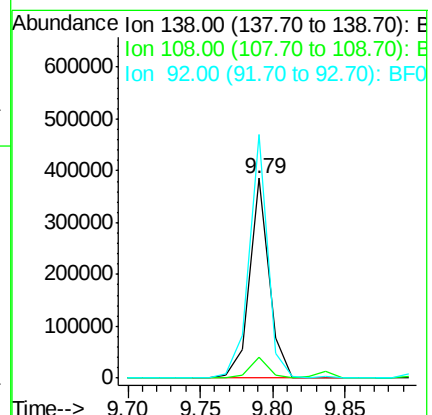
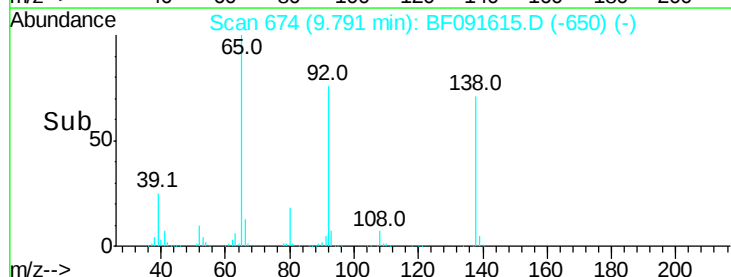
92 121.8 92.5 138.7

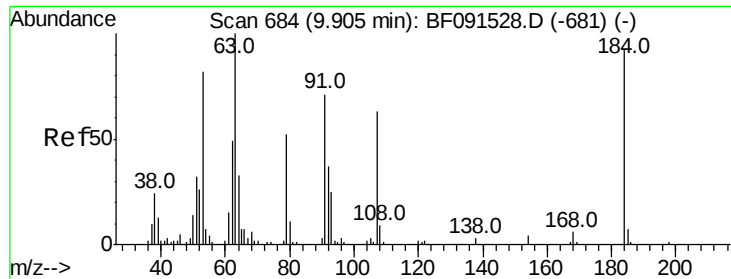


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 10.52 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

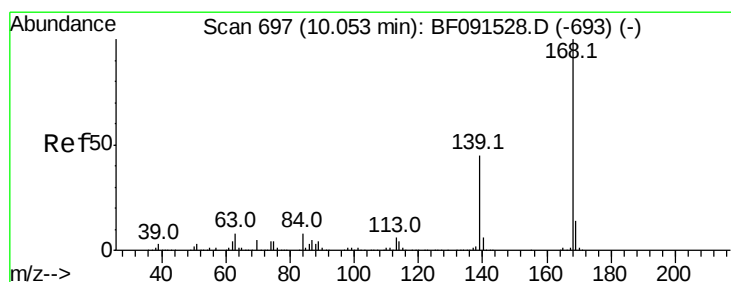
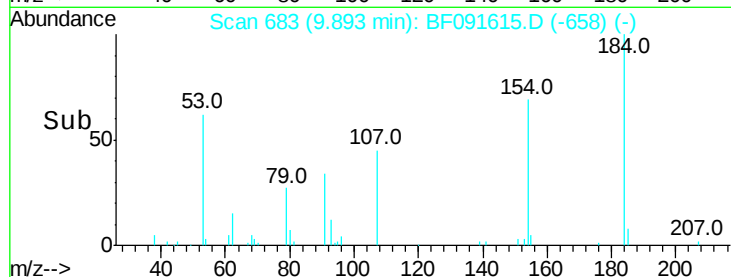
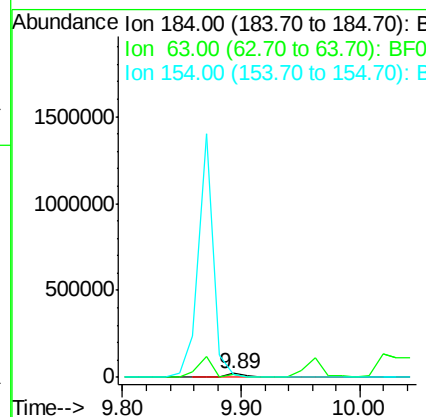
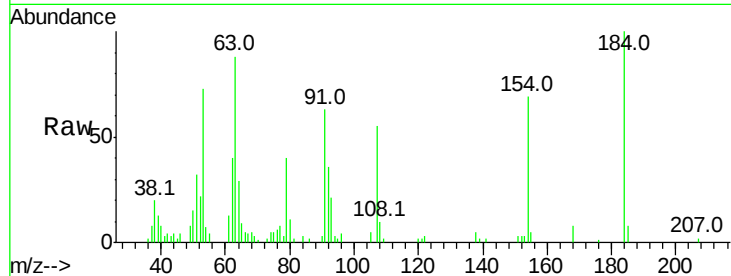
ClientSampleId :

PB95264BSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	87.6	58.3	87.5#
154	69.2	48.6	73.0

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#54

Dibenzofuran

Concen: 46.97 ng

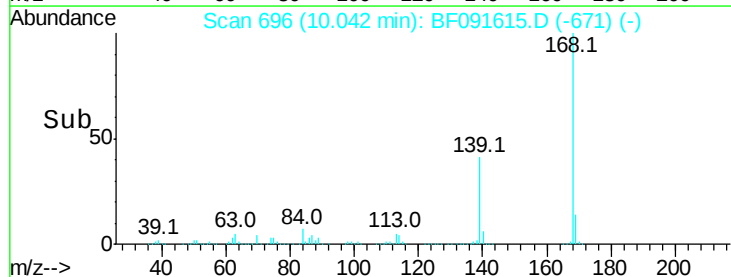
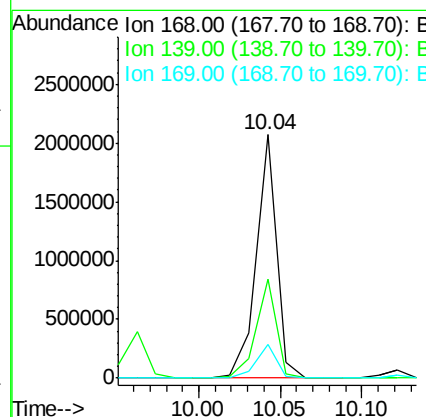
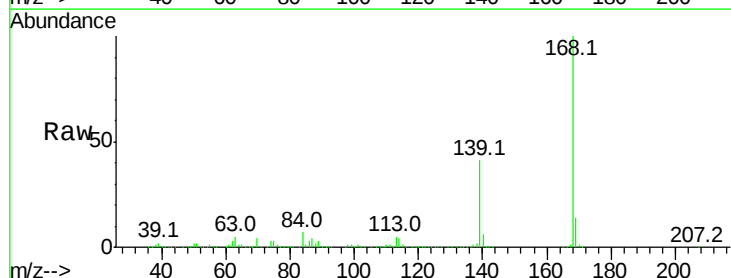
RT: 10.04 min Scan# 696

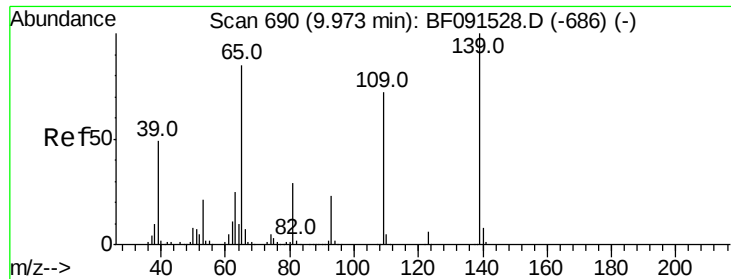
Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.5	33.4	50.2
169	14.0	11.1	16.7





#55

4-Nitrophenol

Concen: 59.86 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

ClientSampleId :

PB95264BSD

Tot Ion:139 Resp: 378816

Ion Ratio Lower Upper

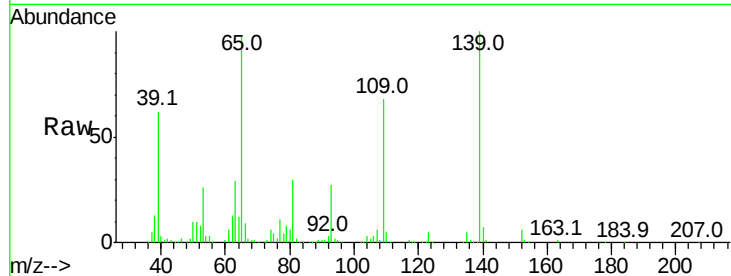
139 100

109 68.5 54.9 94.9

65 97.7 102.2 142.2#

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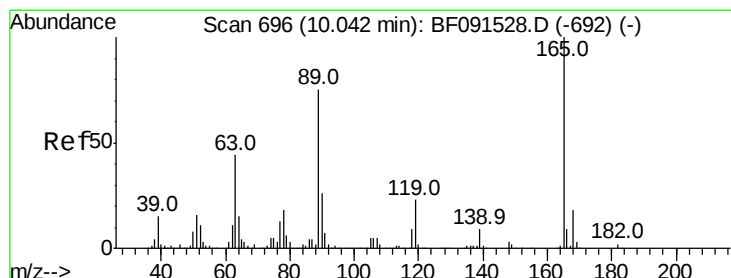
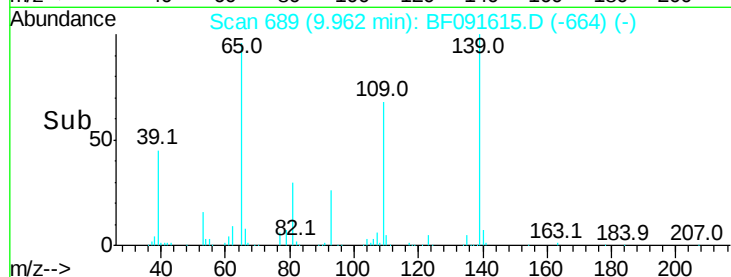
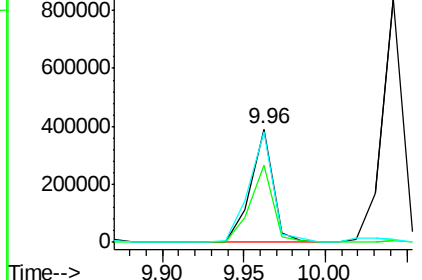
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Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 42.47 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Tgt Ion:165 Resp: 385446

Ion Ratio Lower Upper

165 100

63 35.6 29.0 43.4

89 56.4 43.1 64.7

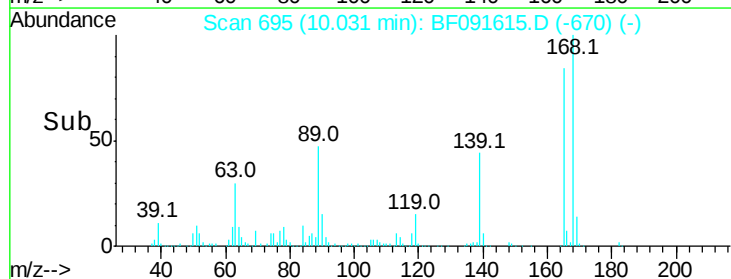
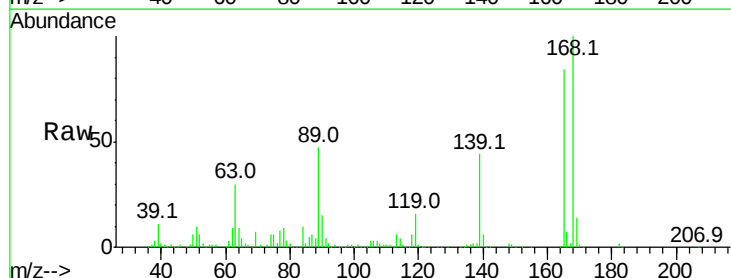
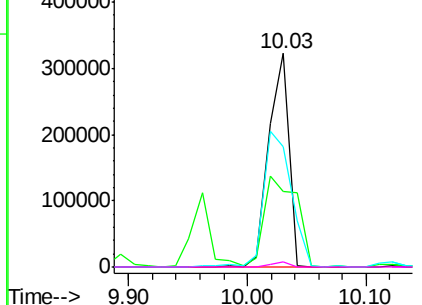
182 2.4 1.9 2.9

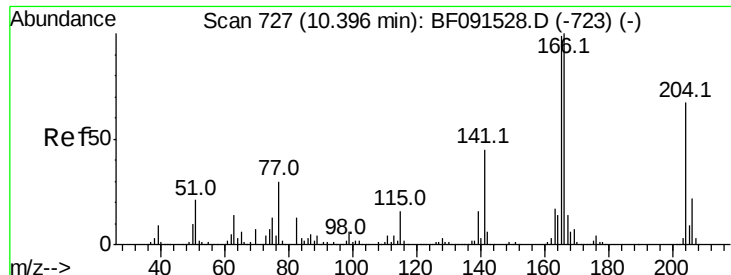
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 47.61 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

ClientSampleId :

PB95264BSD

Tot Ion:166 Resp: 1294370

Ion Ratio Lower Upper

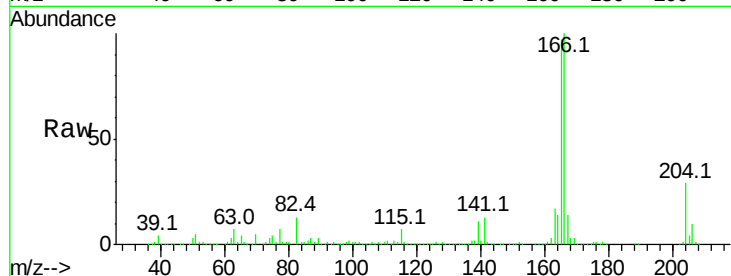
166 100

165 96.9 80.0 120.0

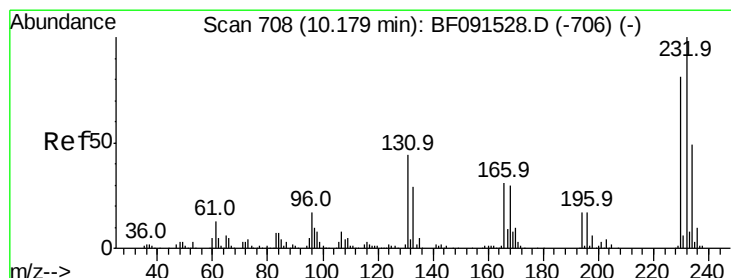
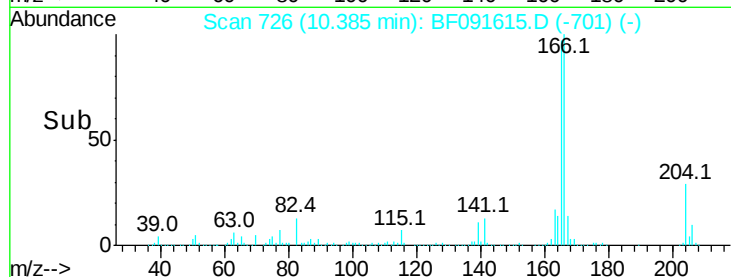
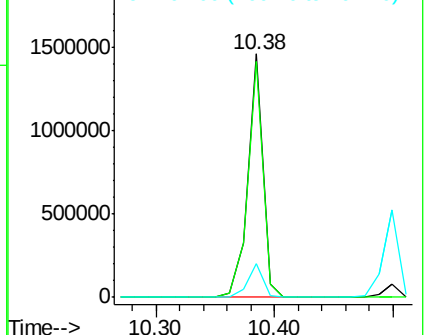
167 13.7 10.8 16.2

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Abundance Ion 166.00 (165.70 to 166.70): E
2000000
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 37.24 ng

RT: 10.17 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Tgt Ion:232 Resp: 275080

Ion Ratio Lower Upper

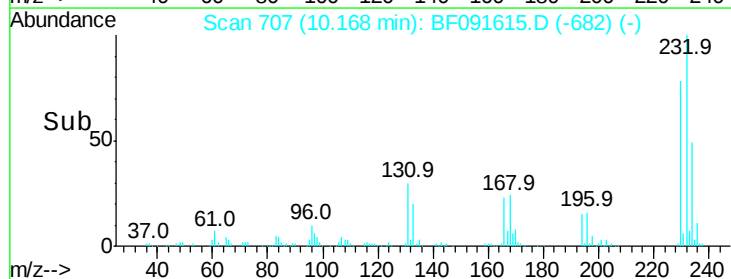
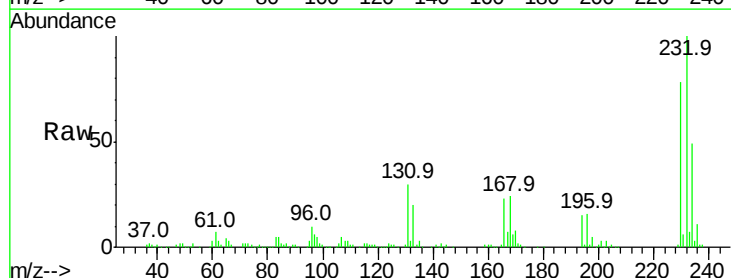
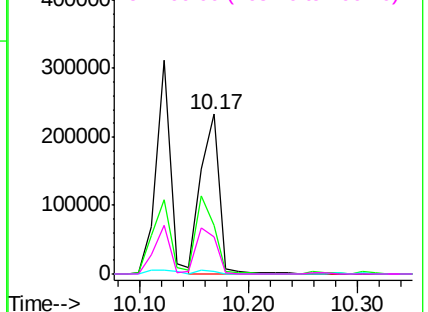
232 100

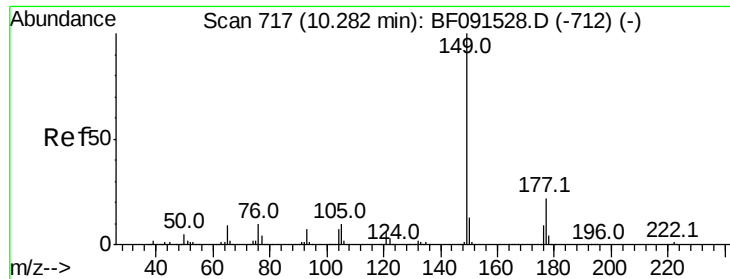
131 46.7 38.4 57.6

130 2.1 1.8 2.8

166 31.7 23.9 35.9

Abundance Ion 232.00 (231.70 to 232.70): E
400000
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





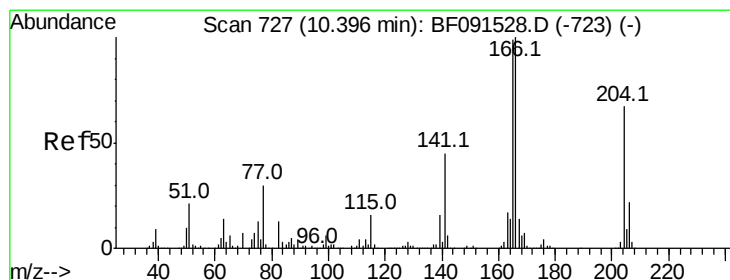
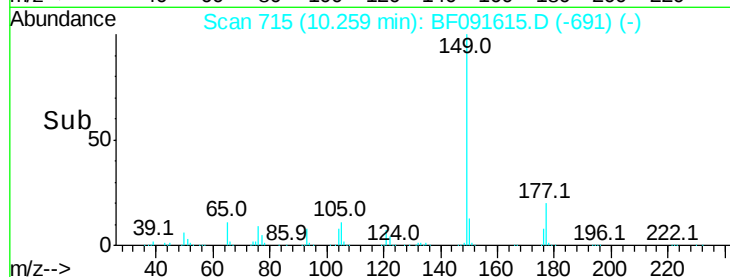
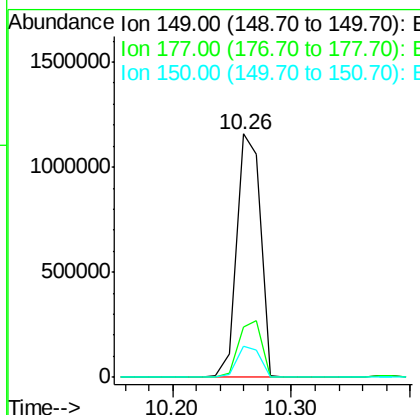
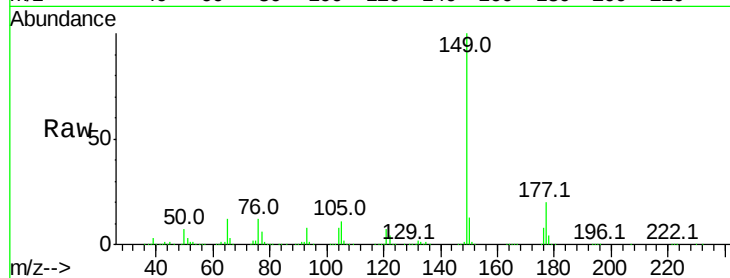
#59
Diethylphthalate
Concen: 50.74 ng
RT: 10.26 min Scan# 715
Delta R.T. -0.02 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Instrument :
BNA_F
ClientSampleId :
PB95264BSD

Tot Ion:149 Resp: 1611935
Ion Ratio Lower Upper
149 100
177 20.5 15.7 23.5
150 12.8 10.2 15.2

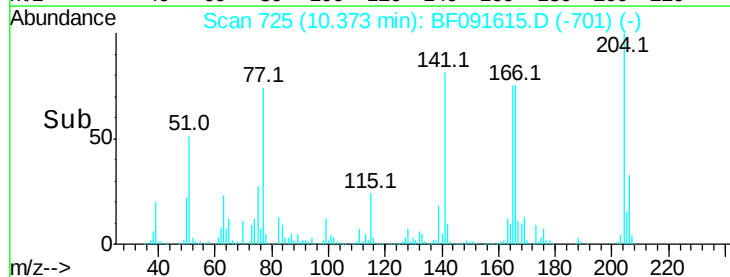
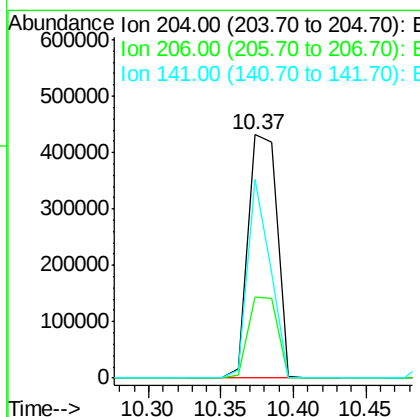
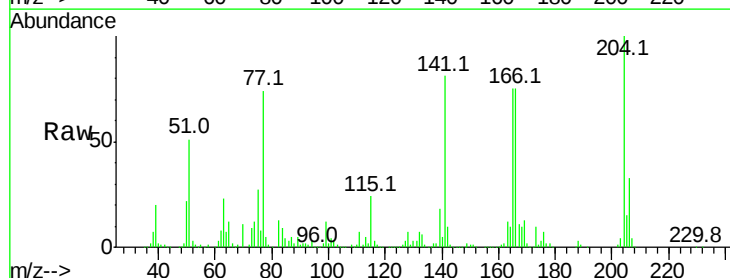
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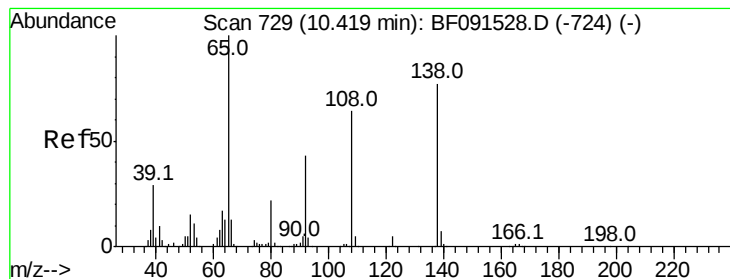
sohil
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#60
4-Chlorophenyl-phenylether
Concen: 43.35 ng
RT: 10.37 min Scan# 725
Delta R.T. -0.02 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Tgt Ion:204 Resp: 596638
Ion Ratio Lower Upper
204 100
206 33.4 26.1 39.1
141 81.5 40.6 61.0#





#61

4-Nitroaniline

Concen: 52.03 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

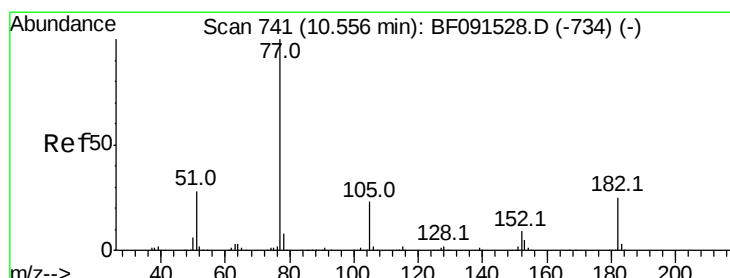
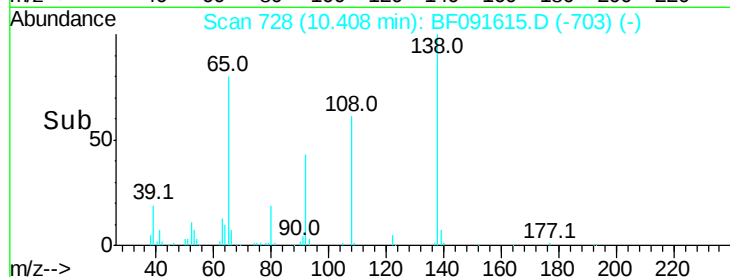
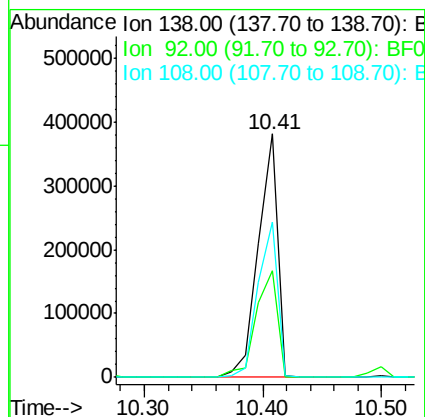
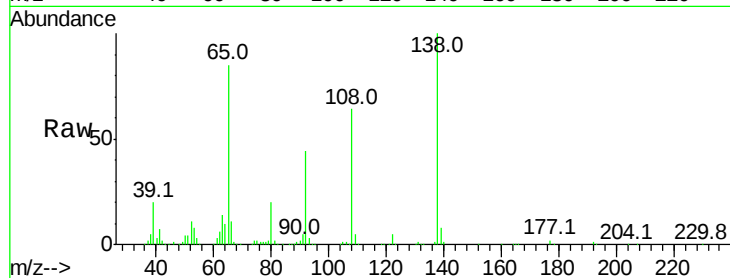
ClientSampleId :

PB95264BSD

Tot Ion:	138	Resp:	439800
Ion Ratio	Lower	Upper	
138	100		
92	43.6	26.9	66.9
108	63.9	49.1	89.1

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#62

Azobenzene

Concen: 45.79 ng

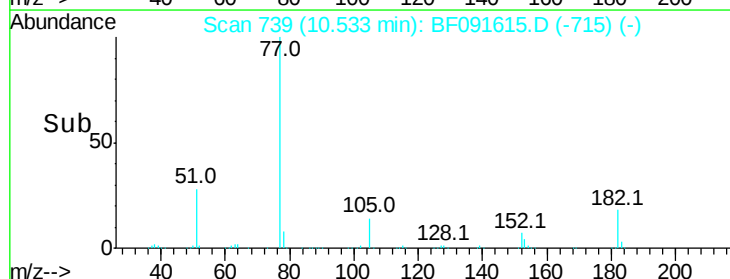
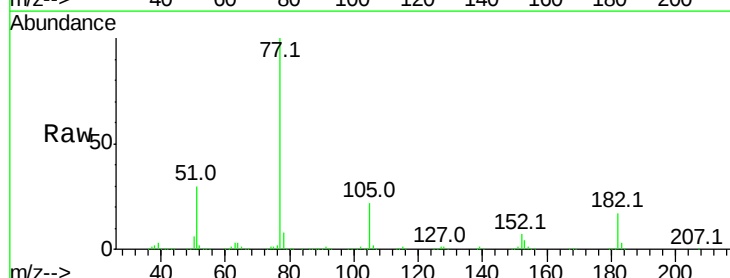
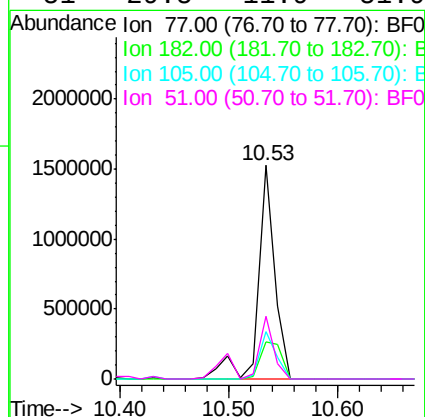
RT: 10.53 min Scan# 739

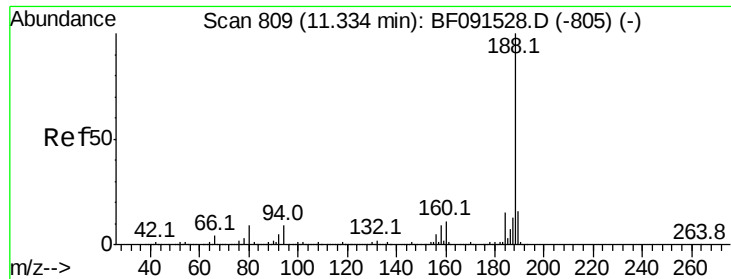
Delta R.T. -0.02 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Tgt Ion:	77	Resp:	1648212
Ion Ratio	Lower	Upper	
77	100		
182	17.2	12.5	52.5
105	22.1	3.7	43.7
51	29.5	11.9	51.9





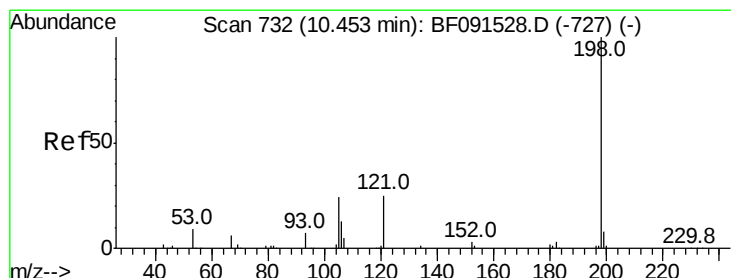
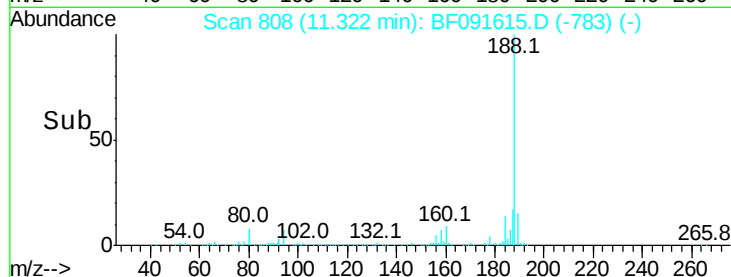
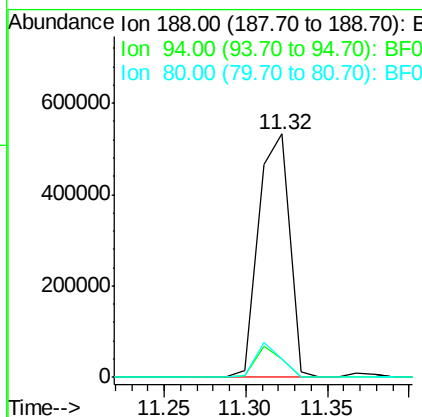
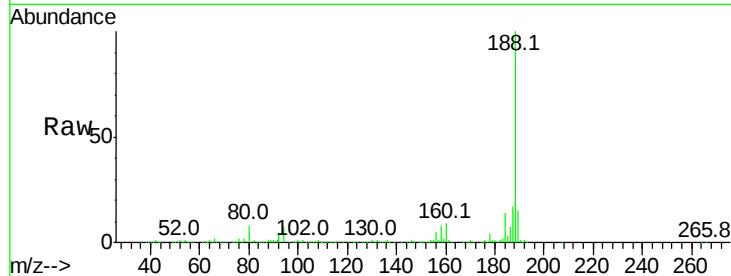
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Instrument :
BNA_F
ClientSampleId :
PB95264BSD

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.3	9.2	13.8#
80	7.8	10.5	15.7#

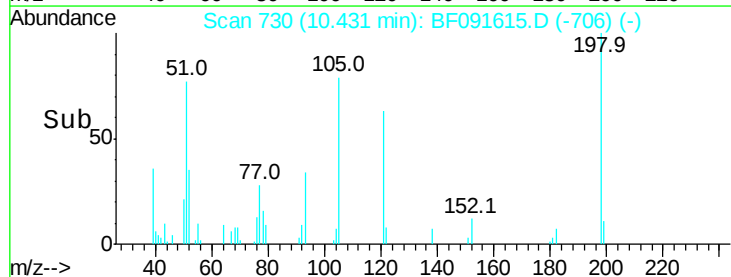
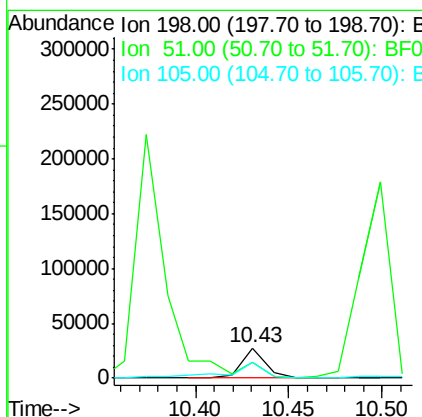
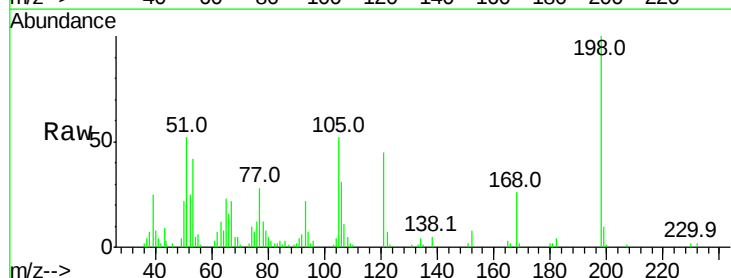
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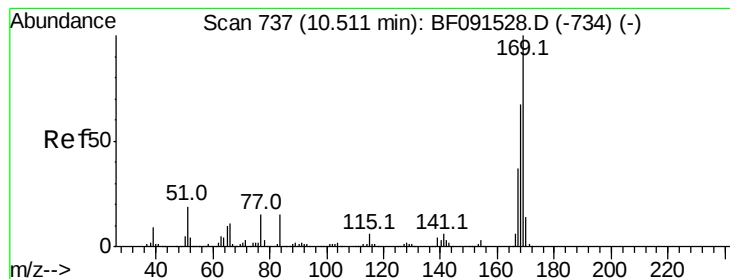
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#64
4,6-Dinitro-2-methylphenol
Concen: 8.36 ng
RT: 10.43 min Scan# 730
Delta R.T. -0.02 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	51.8	77.1	117.1#
105	52.1	44.8	84.8





#65

n-Nitrosodiphenylamine

Concen: 60.55 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

ClientSampleId :

PB95264BSD

Tot Ion:169 Resp: 1271880

Ion Ratio Lower Upper

169 100

168 66.4 53.8 80.8

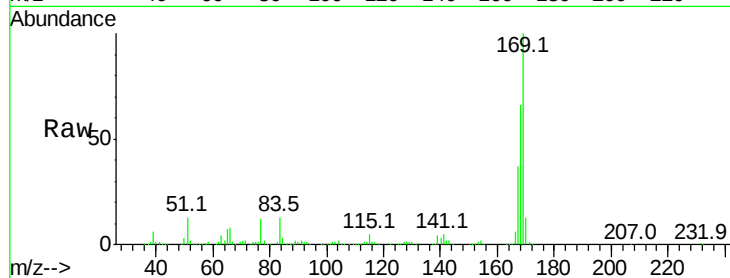
167 37.2 29.8 44.8

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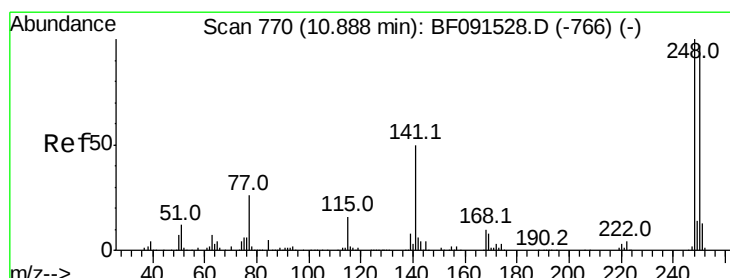
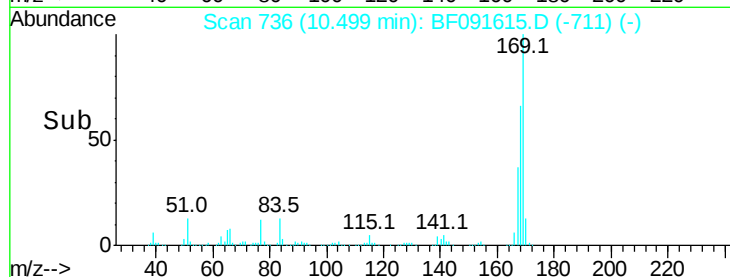
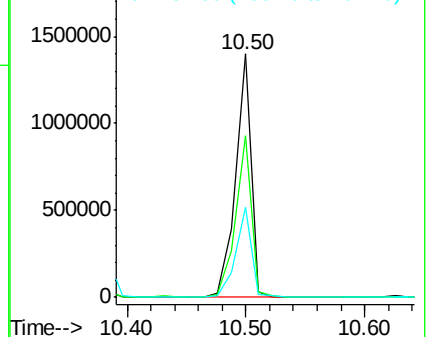
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Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 53.06 ng

RT: 10.86 min Scan# 768

Delta R.T. -0.02 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

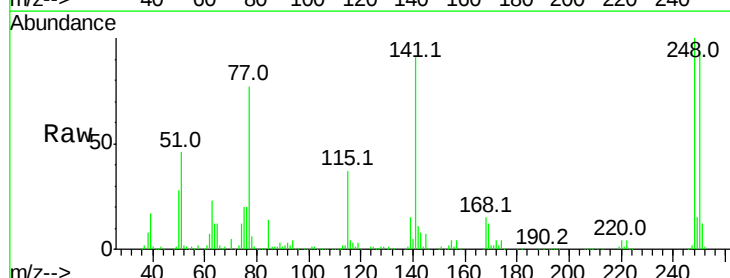
Tgt Ion:248 Resp: 383255

Ion Ratio Lower Upper

248 100

250 94.3 78.2 117.4

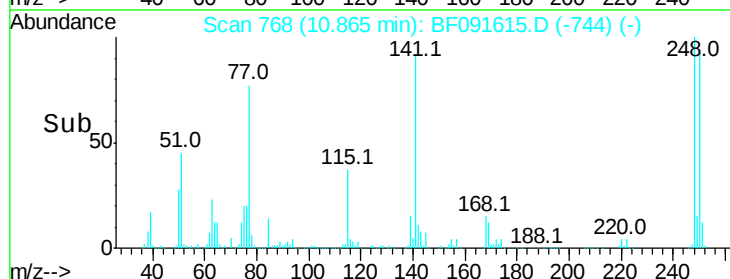
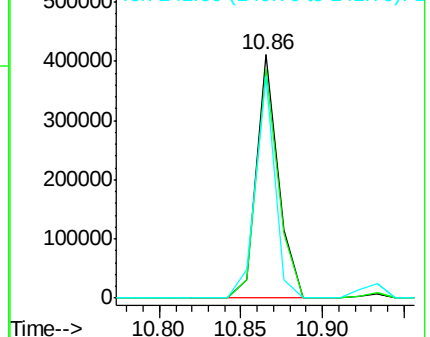
141 91.1 71.9 107.9

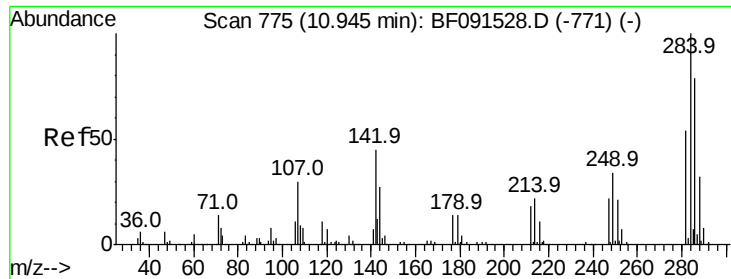


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 53.27 ng

RT: 10.93 min Scan# 774

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

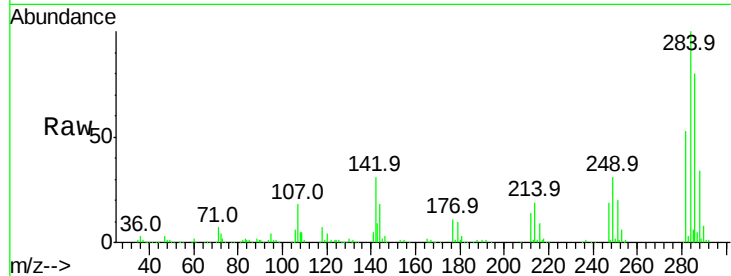
ClientSampleId :

PB95264BSD

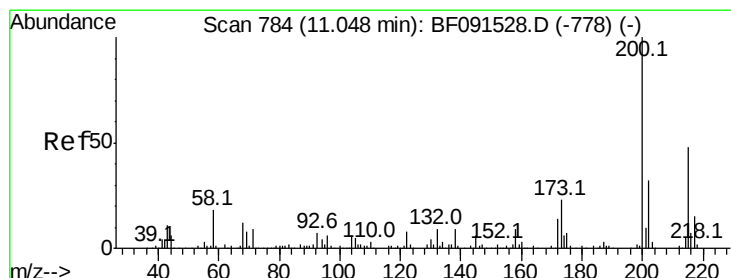
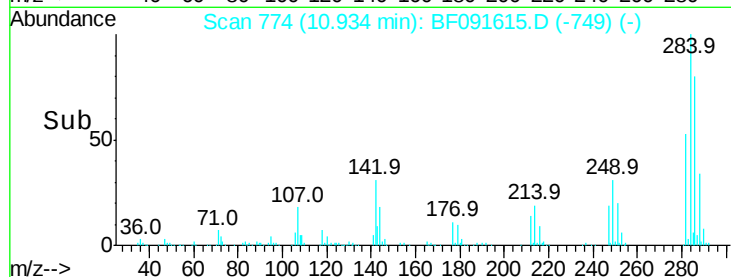
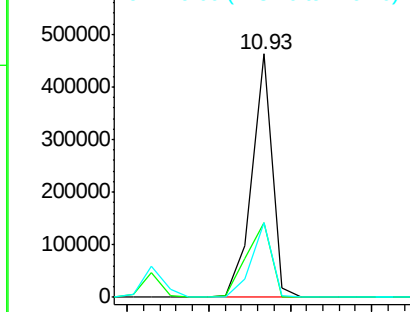
Tot Ion:	284	Resp:	400144
Ion Ratio		Lower	Upper
284	100		
142	30.9	17.9	26.9#
249	30.9	23.6	35.4

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



#68

Atrazine

Concen: 45.12 ng

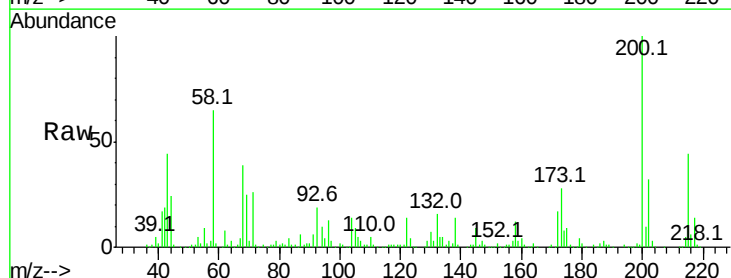
RT: 11.02 min Scan# 782

Delta R.T. -0.02 min

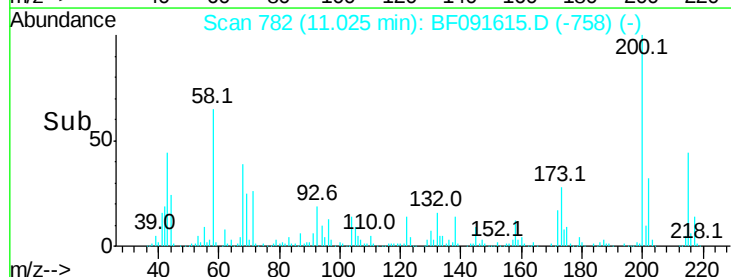
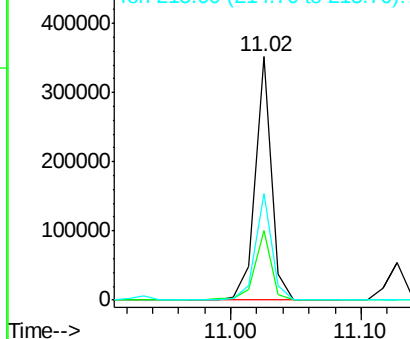
Lab File: BF091615.D

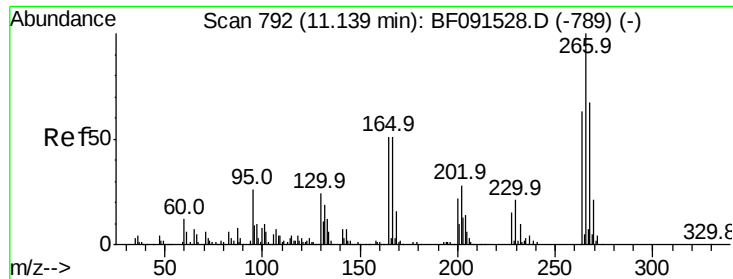
Acq: 15 Dec 2016 7:36

Tgt Ion:	200	Resp:	304770
Ion Ratio		Lower	Upper
200	100		
173	28.4	7.8	47.8
215	43.6	24.3	64.3



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





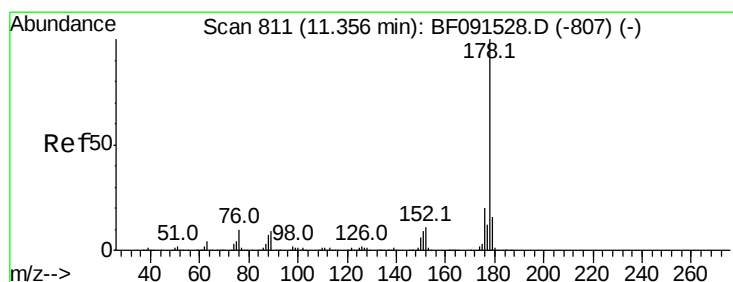
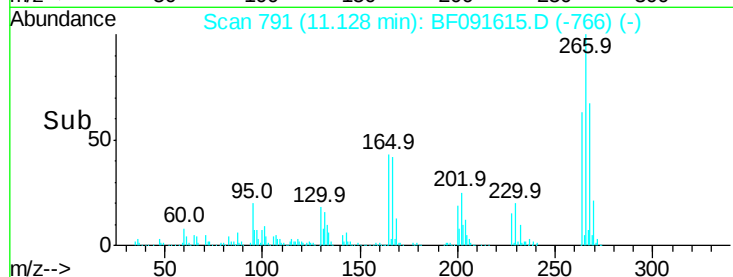
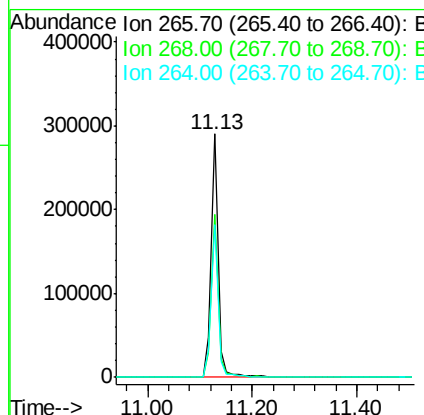
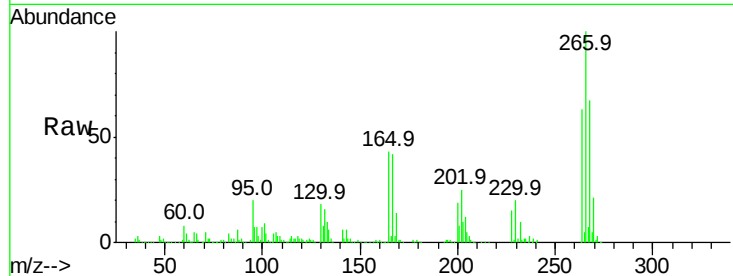
#69
 Pentachlorophenol
 Concen: 65.03 ng
 RT: 11.13 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF091615.D
 Acq: 15 Dec 2016 7:36

Instrument :
 BNA_F
 ClientSampleId :
 PB95264BSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	274905		
268	66.9	50.3	75.5	
264	62.9	48.2	72.2	

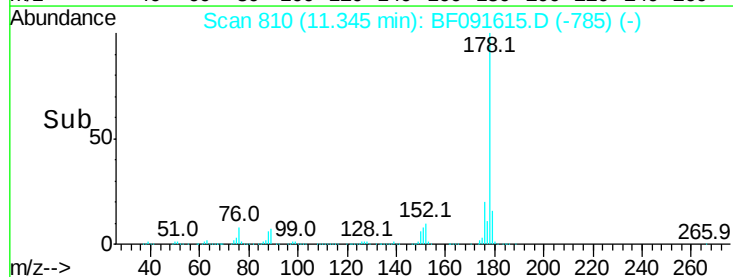
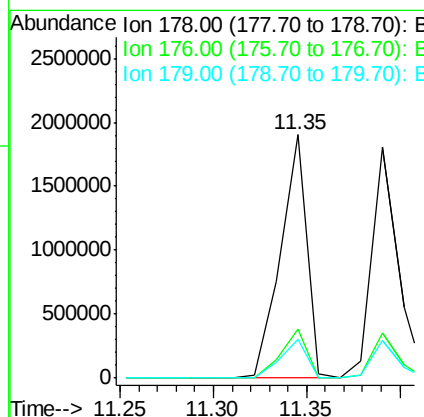
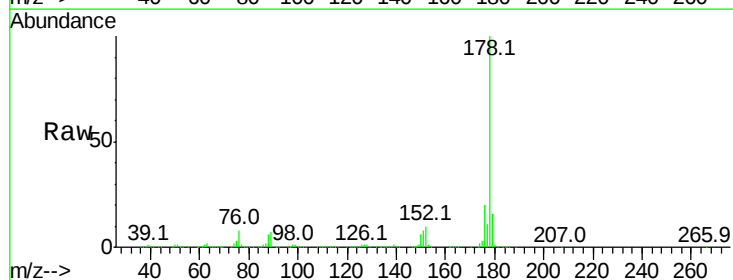
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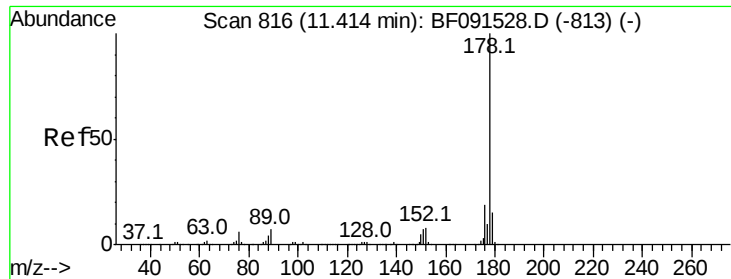
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#70
 Phenanthrene
 Concen: 53.51 ng
 RT: 11.35 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF091615.D
 Acq: 15 Dec 2016 7:36

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1867009		
176	20.2	15.9	23.9	
179	16.0	12.6	18.8	





#71
 Anthracene
 Concen: 45.65 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.02 min
 Lab File: BF091615.D
 Acq: 15 Dec 2016 7:36

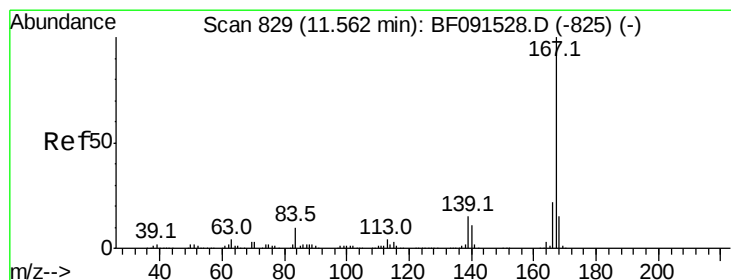
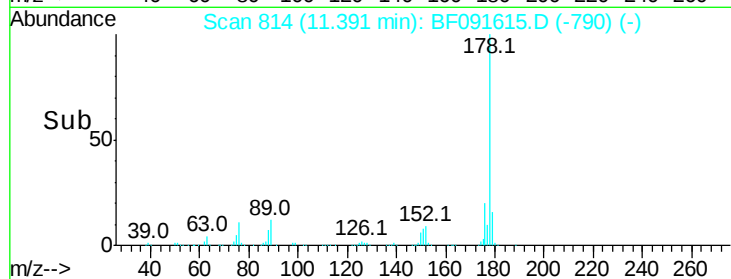
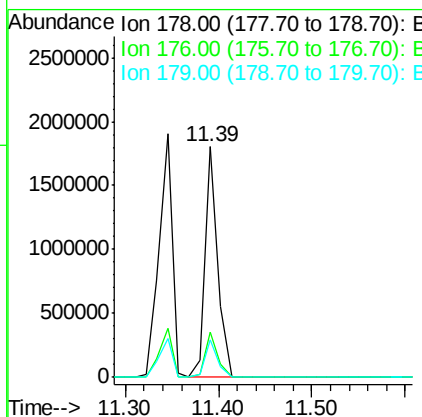
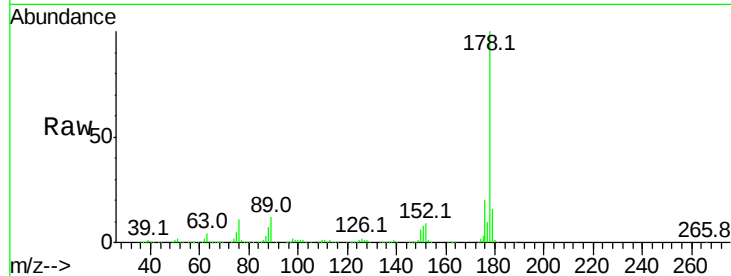
Instrument :
 BNA_F
 ClientSampleId :
 PB95264BSD

Tot Ion:178 Resp: 1717784

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.6
179	16.4	12.7	19.1

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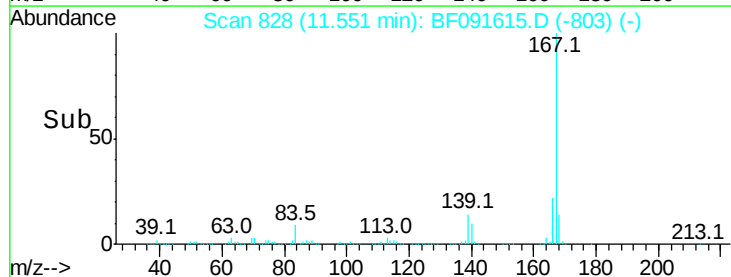
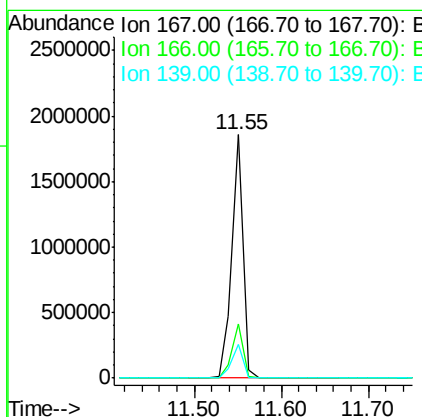
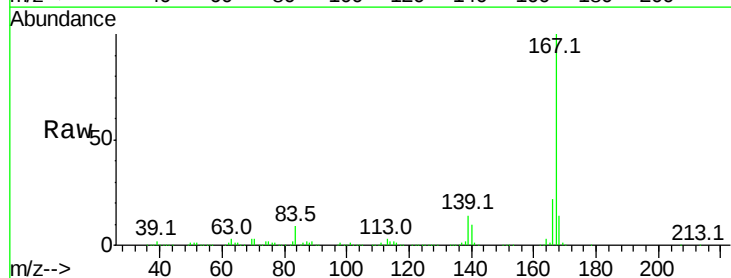
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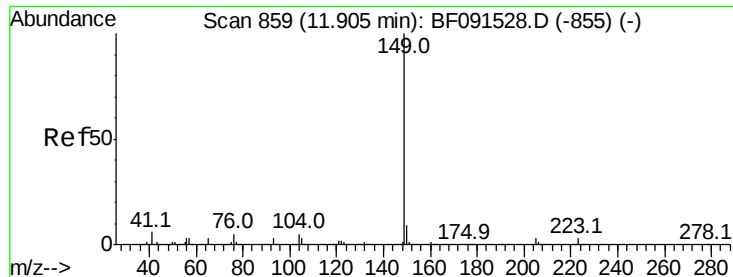


#72
 Carbazole
 Concen: 50.22 ng
 RT: 11.55 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF091615.D
 Acq: 15 Dec 2016 7:36

Tgt Ion:167 Resp: 1656636

Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.1	27.1
139	13.8	11.5	17.3





#73

Di-n-butylphthalate

Concen: 55.07 ng

RT: 11.88 min Scan# 857

Delta R.T. -0.02 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

ClientSampleId :

PB95264BSD

Tot Ion:149 Resp: 2116529

Ion Ratio Lower Upper

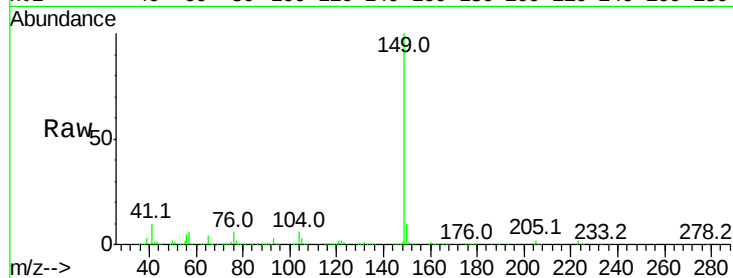
149 100

150 9.9 7.5 11.3

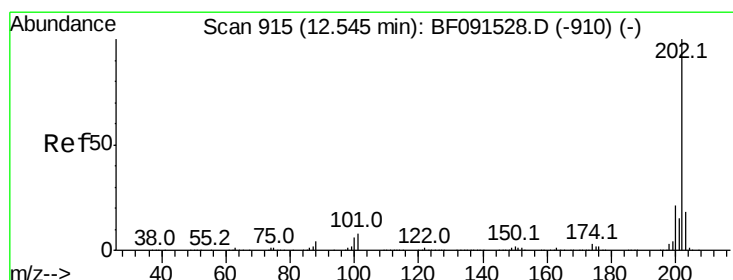
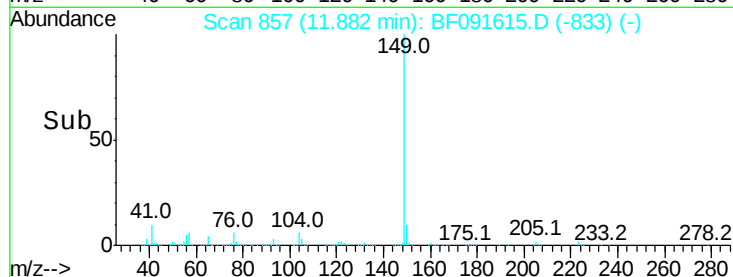
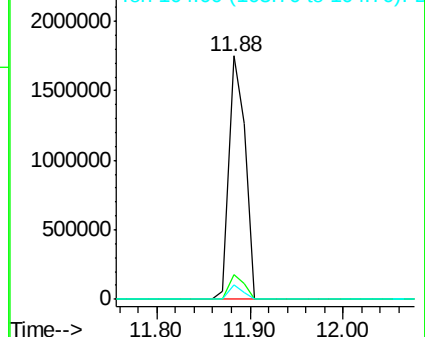
104 5.7 4.0 6.0

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 43.95 ng

RT: 12.52 min Scan# 913

Delta R.T. -0.02 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

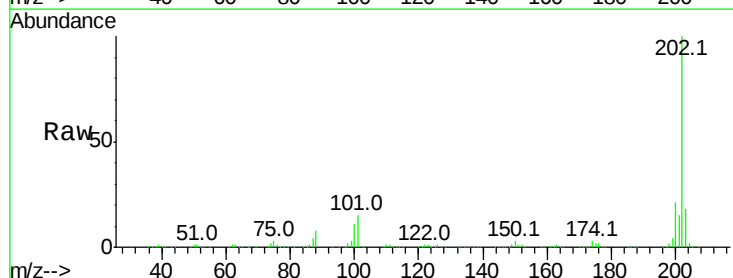
Tgt Ion:202 Resp: 1605762

Ion Ratio Lower Upper

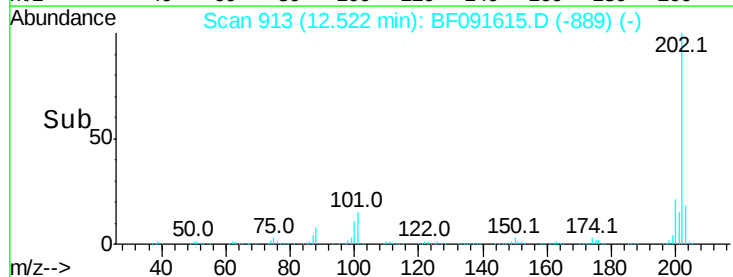
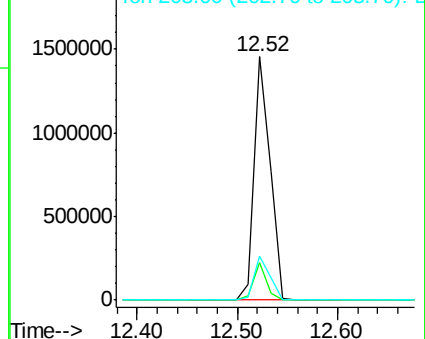
202 100

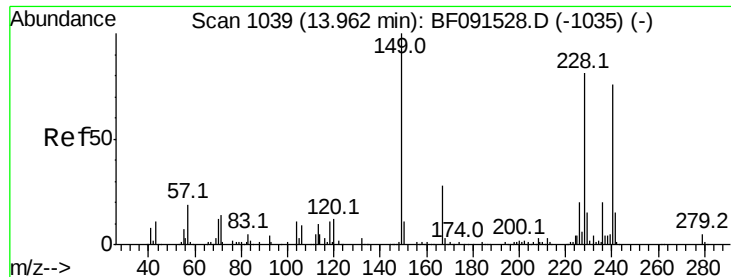
101 15.2 0.0 29.5

203 18.1 0.0 37.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

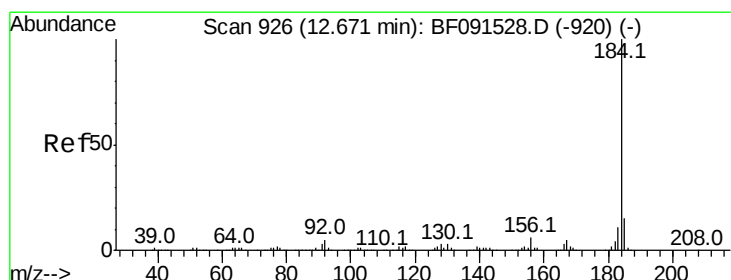
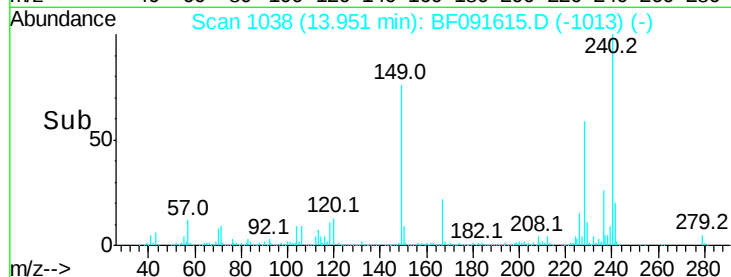
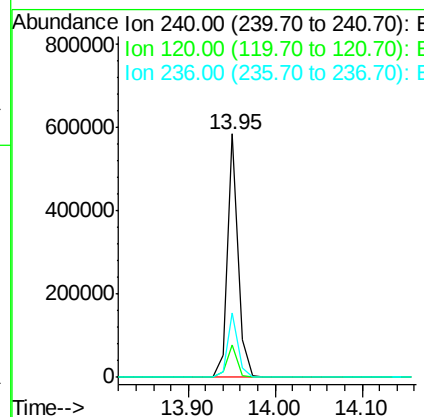
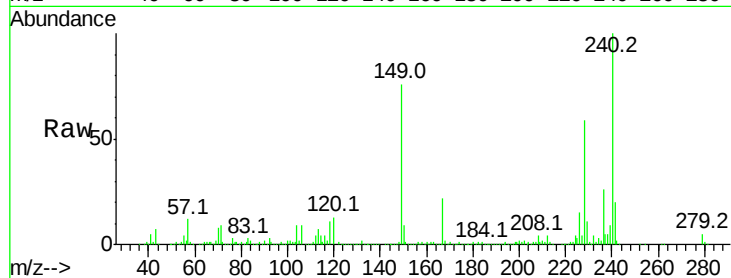
ClientSampleId :

PB95264BSD

Tot Ion	Ratio	Resp	Lower	Upper
240	100	507298		
120	13.1		12.1	18.1
236	26.3		21.0	31.6

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#76

Benzidine

Concen: 39.56 ng

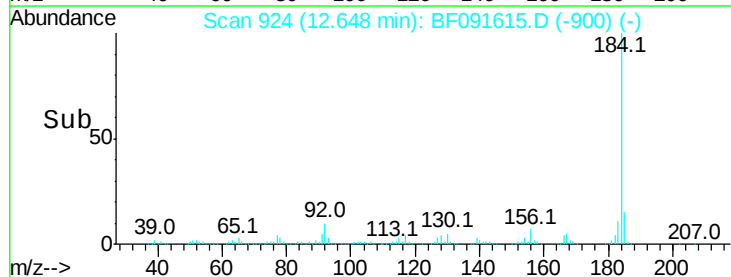
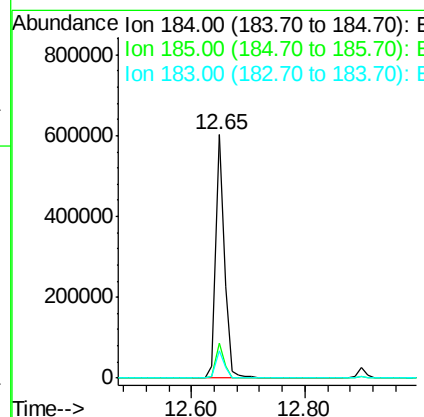
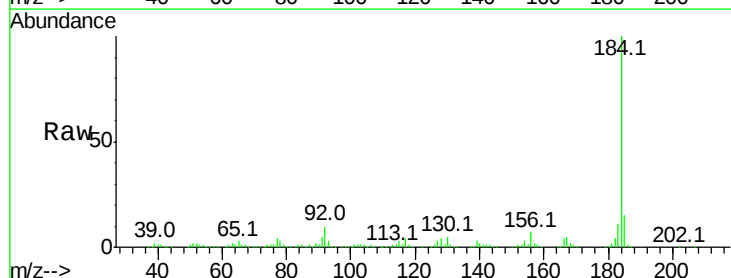
RT: 12.65 min Scan# 924

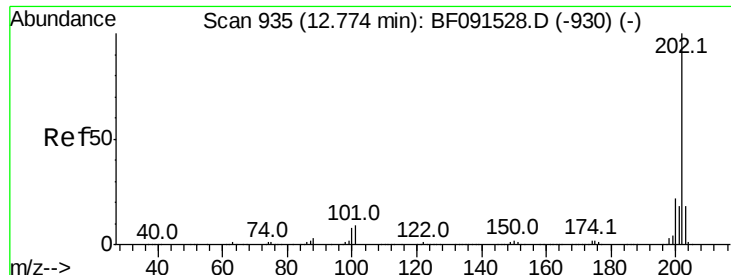
Delta R.T. -0.02 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	620473		
185	14.6		13.1	19.7
183	11.0		8.9	13.3





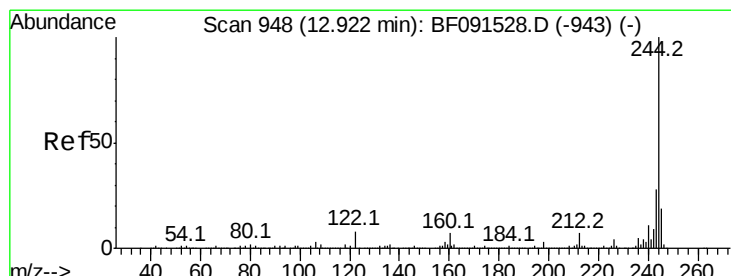
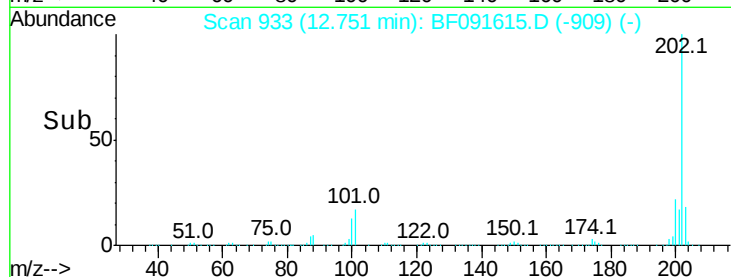
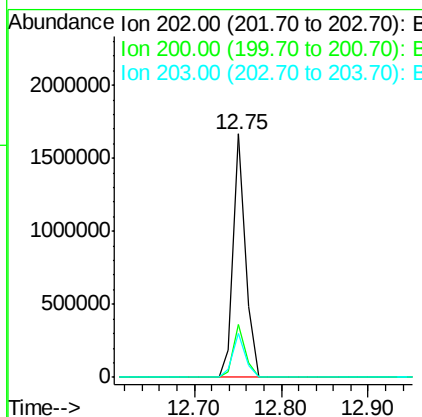
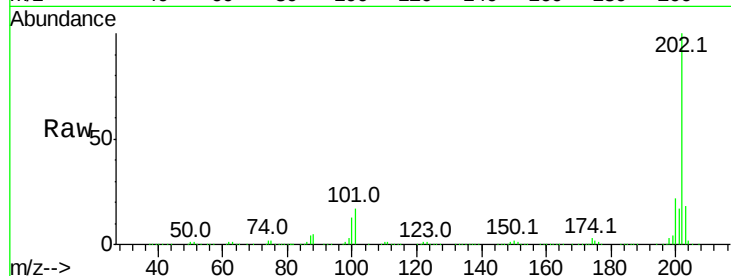
#77
 Pvrene
 Concen: 40.24 ng
 RT: 12.75 min Scan# 933
 Delta R.T. -0.02 min
 Lab File: BF091615.D
 Acq: 15 Dec 2016 7:36

Instrument :
 BNA_F
 ClientSampleId :
 PB95264BSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.6	26.4
203	18.3	14.0	21.0

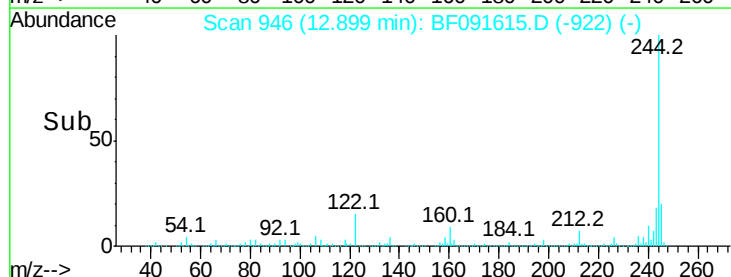
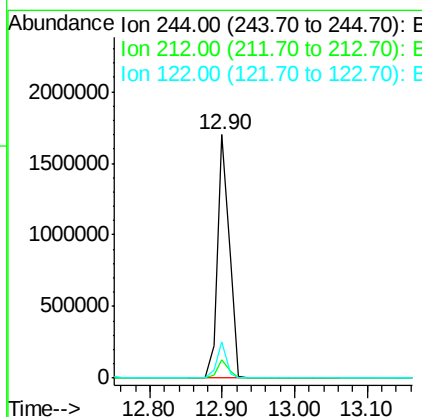
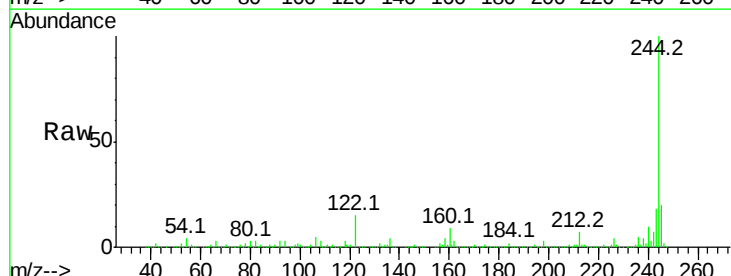
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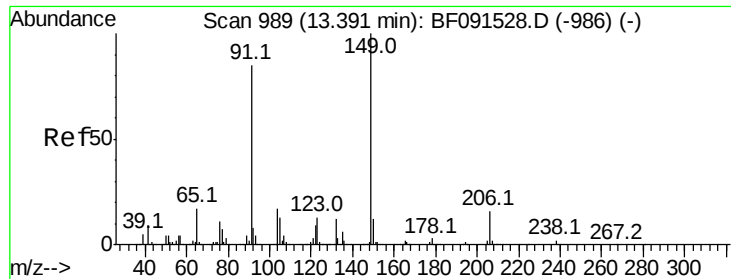
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#78
 Terphenyl-d14
 Concen: 85.25 ng
 RT: 12.90 min Scan# 946
 Delta R.T. -0.02 min
 Lab File: BF091615.D
 Acq: 15 Dec 2016 7:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.5	9.7
122	15.1	9.5	14.3#





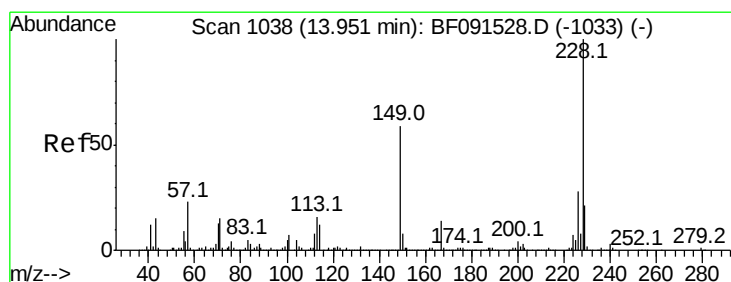
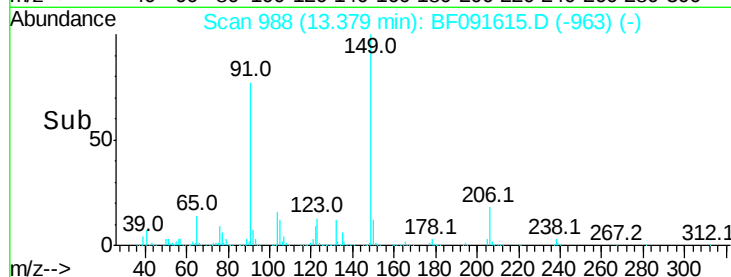
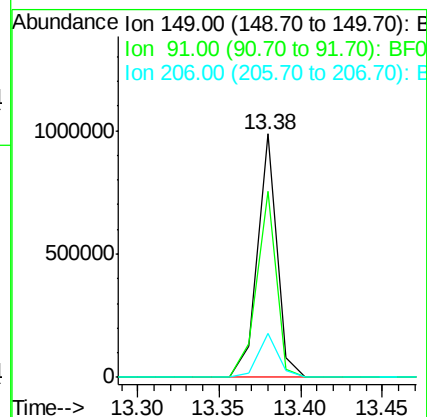
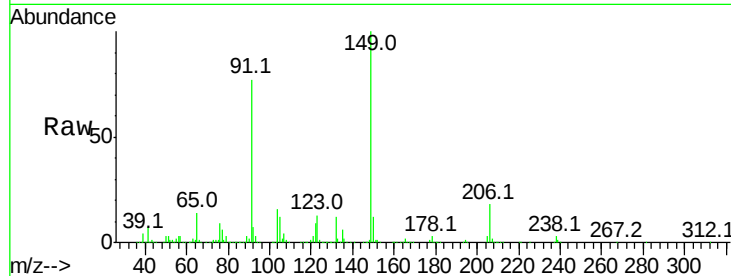
#79
Butylbenzylphthalate
Concen: 52.26 ng
RT: 13.38 min Scan# 988
Delta R.T. -0.01 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Instrument :
BNA_F
ClientSampleId :
PB95264BSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	819837		
91	76.6	57.4	86.2	
206	18.2	15.4	23.2	

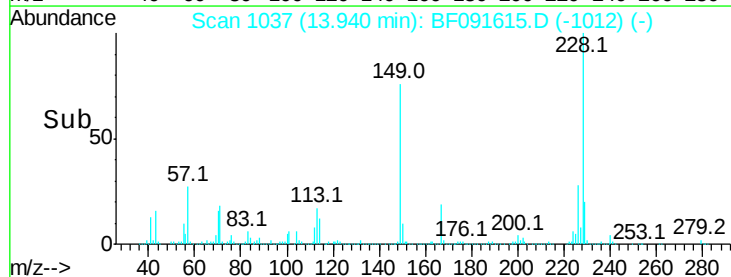
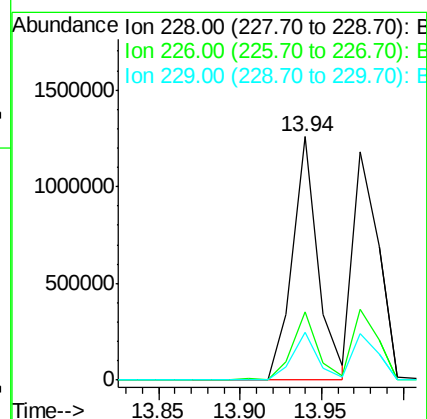
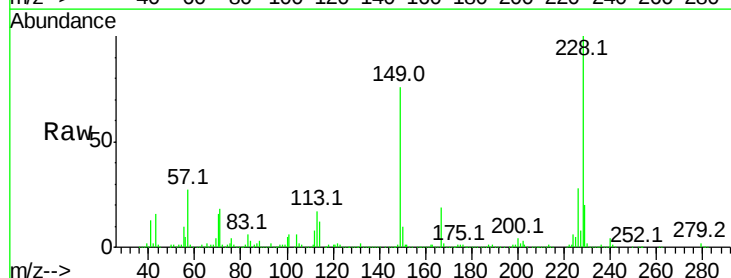
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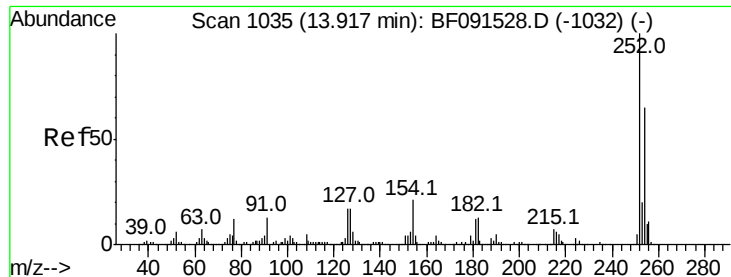
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#80
Benzo(a)anthracene
Concen: 47.20 ng
RT: 13.94 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1390548		
226	27.8	22.5	33.7	
229	19.8	16.4	24.6	





#81

3,3'-Dichlorobenzidine

Concen: 44.58 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Instrument :

BNA_F

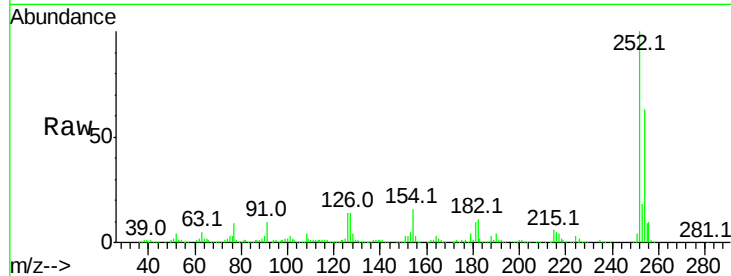
ClientSampleId :

PB95264BSD

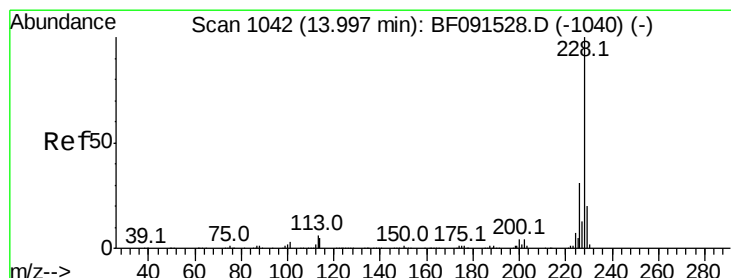
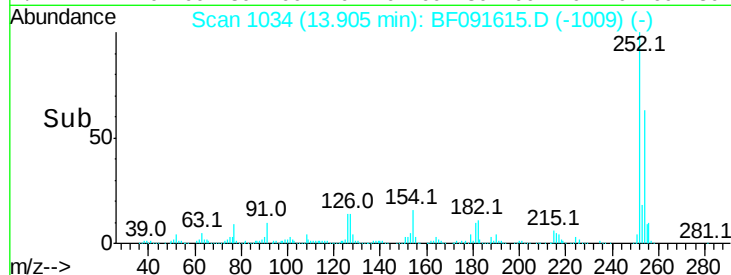
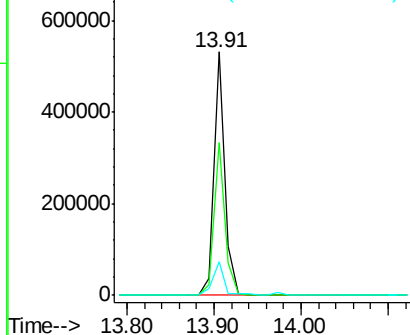
Tot Ion	Ratio	Lower	Upper
252	100		
254	62.7	52.1	78.1
126	13.9	7.5	11.3

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 42.35 ng

RT: 13.97 min Scan# 1040

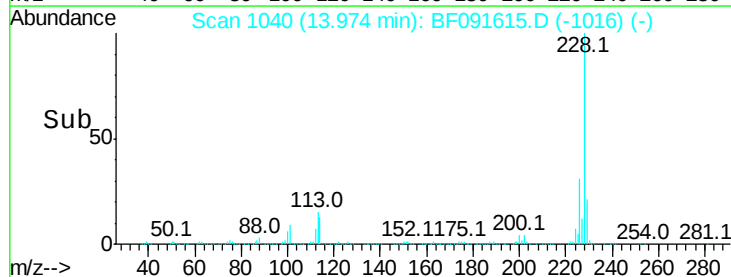
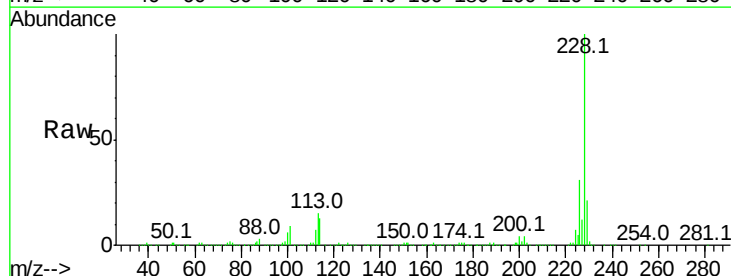
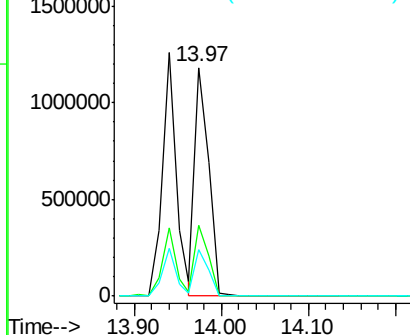
Delta R.T. -0.02 min

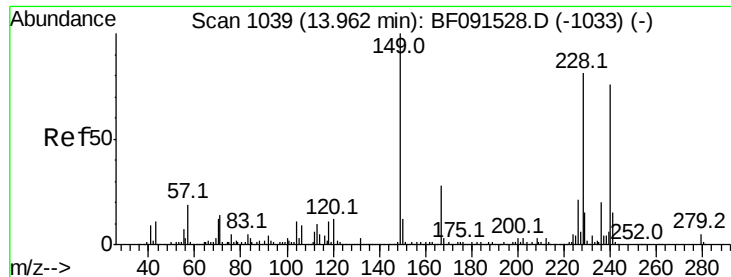
Lab File: BF091615.D

Acq: 15 Dec 2016 7:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.4
229	20.6	16.0	24.0

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





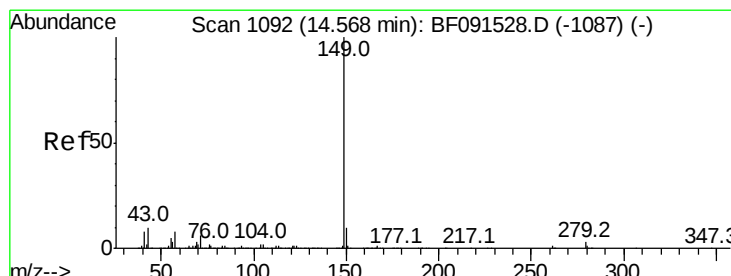
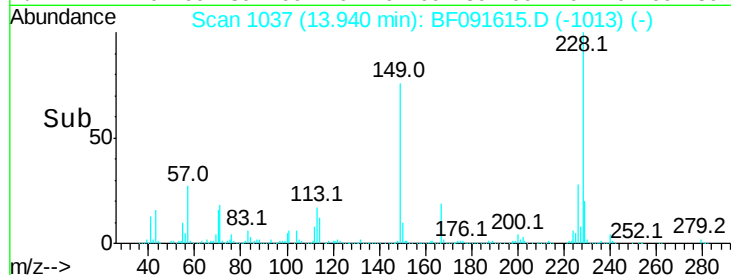
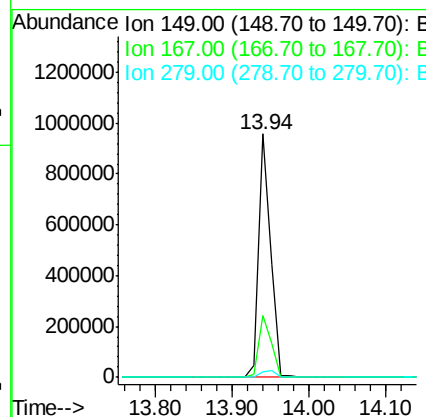
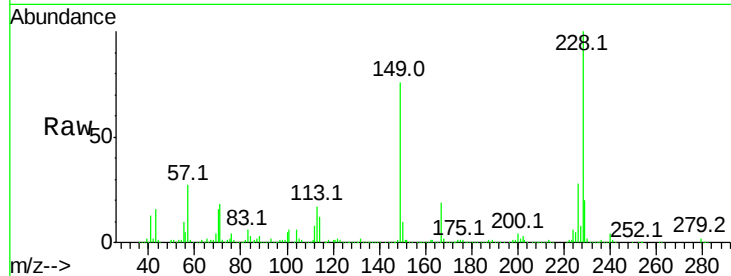
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 50.14 ng
 RT: 13.94 min Scan# 1037
 Delta R.T. -0.02 min
 Lab File: BF091615.D
 Acq: 15 Dec 2016 7:36

Instrument :
 BNA_F
 ClientSampleId :
 PB95264BSD

Tot Ion:149 Resp: 1009164
 Ion Ratio Lower Upper
 149 100
 167 25.4 19.6 29.4
 279 2.0 1.9 2.9

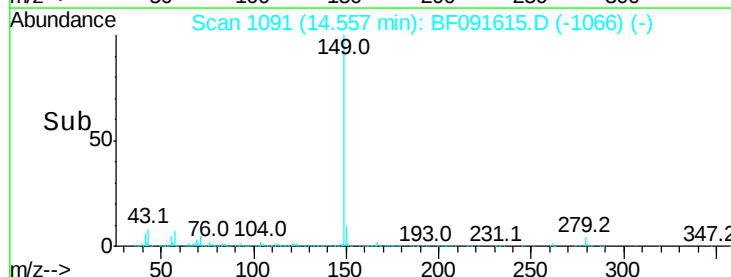
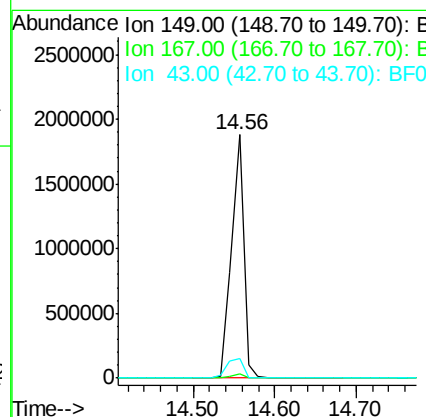
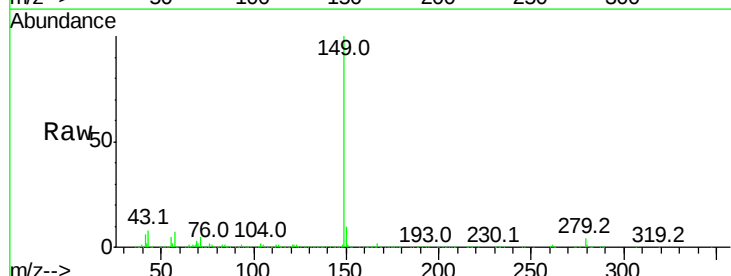
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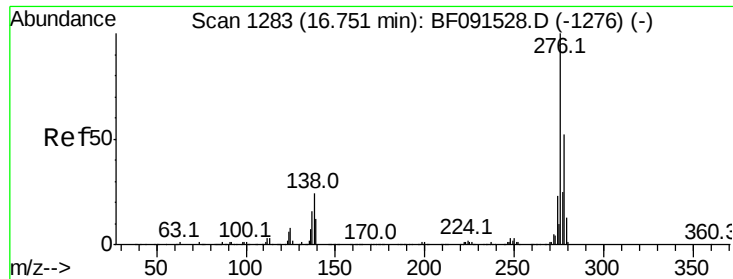
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#84
 Di-n-octyl phthalate
 Concen: 56.58 ng
 RT: 14.56 min Scan# 1091
 Delta R.T. -0.01 min
 Lab File: BF091615.D
 Acq: 15 Dec 2016 7:36

Tgt Ion:149 Resp: 1933219
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 11.4 11.9 17.9#





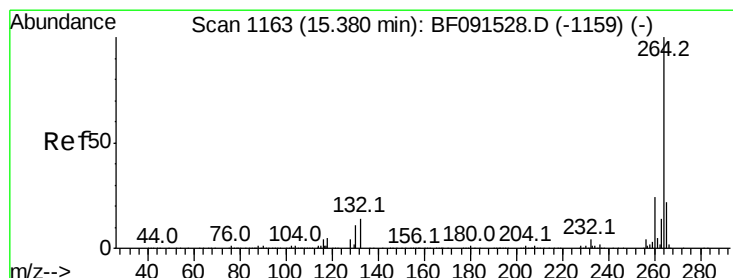
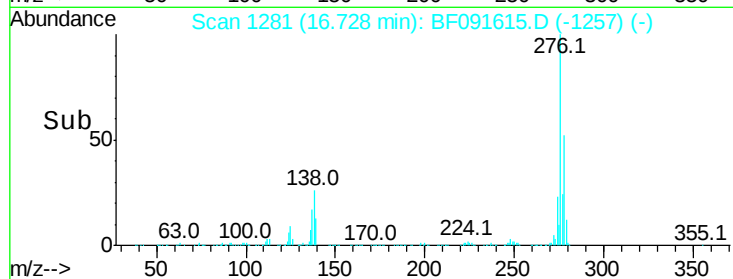
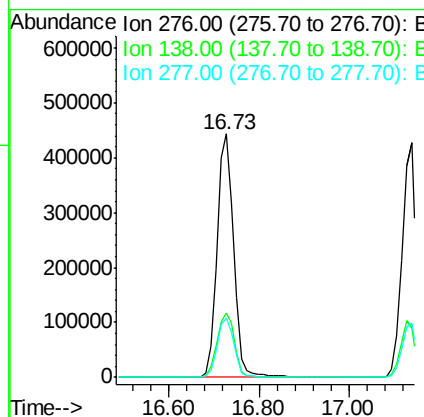
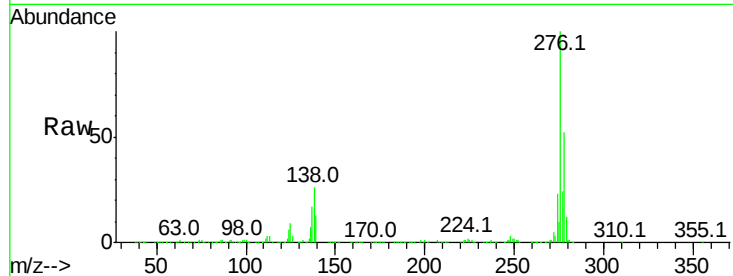
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 40.89 ng
 RT: 16.73 min Scan# 1281
 Delta R.T. -0.02 min
 Lab File: BF091615.D
 Acq: 15 Dec 2016 7:36

Instrument :
 BNA_F
 ClientSampleId :
 PB95264BSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	21.0	31.4
277	24.8	20.2	30.2

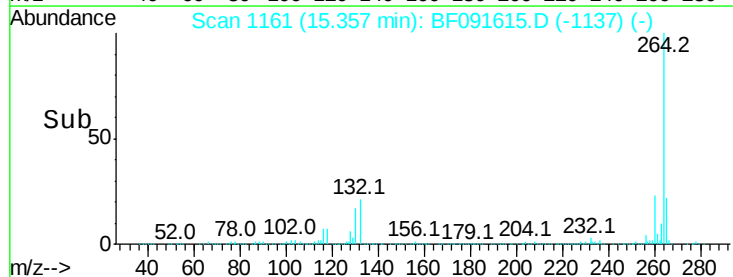
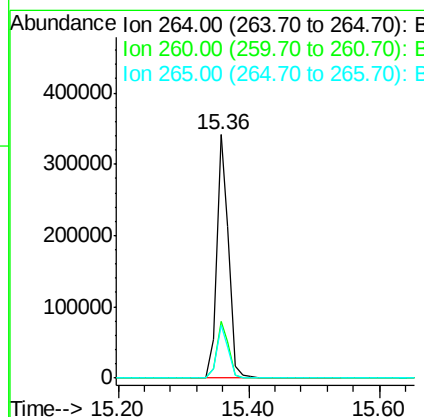
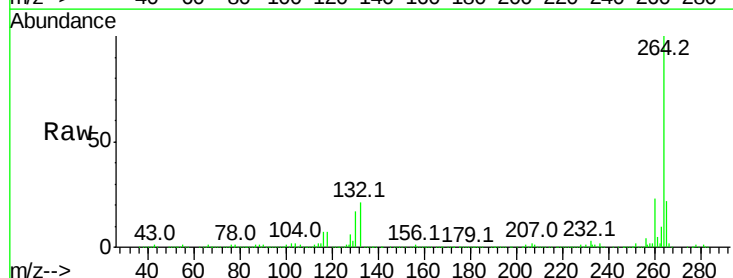
Manual Integrations
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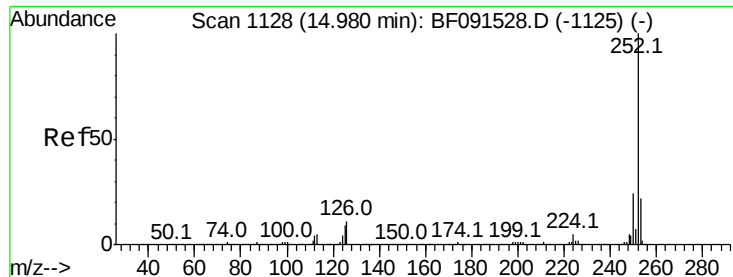
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1161
 Delta R.T. -0.02 min
 Lab File: BF091615.D
 Acq: 15 Dec 2016 7:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.8	28.2
265	21.6	17.0	25.6





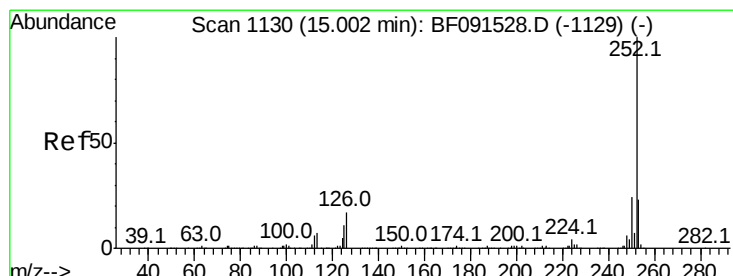
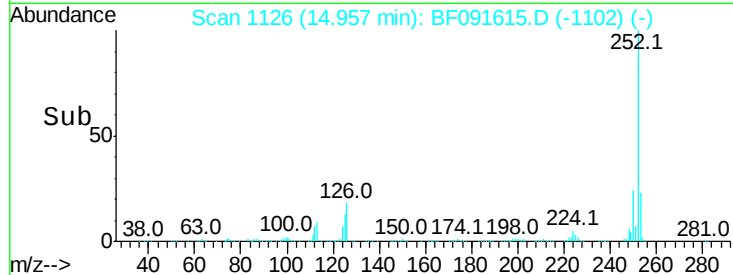
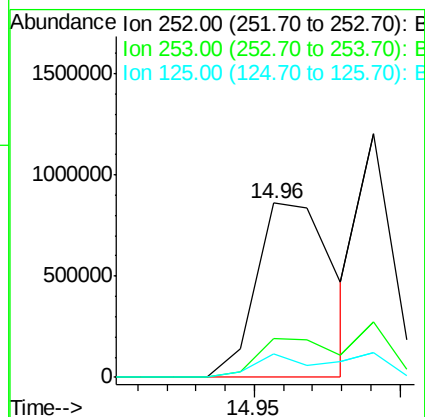
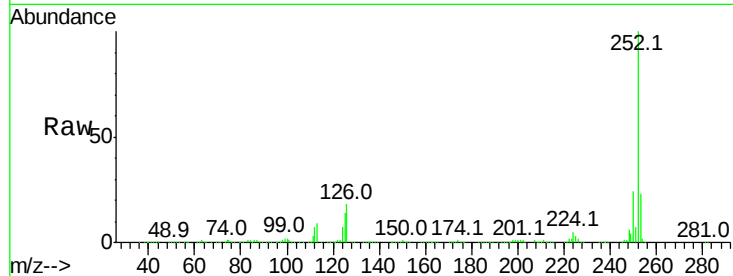
#87
Benzo(b)fluoranthene
Concen: 60.67 ng m
RT: 14.96 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Instrument :
BNA_F
ClientSampleId :
PB95264BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	13.5	8.6	13.0

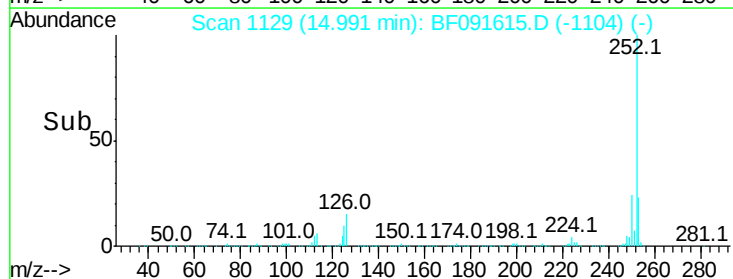
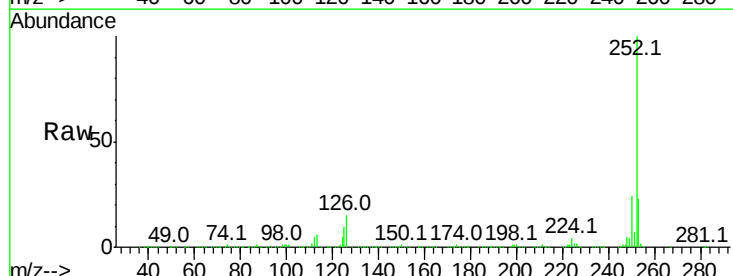
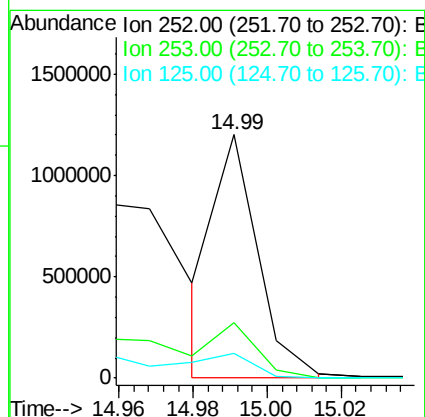
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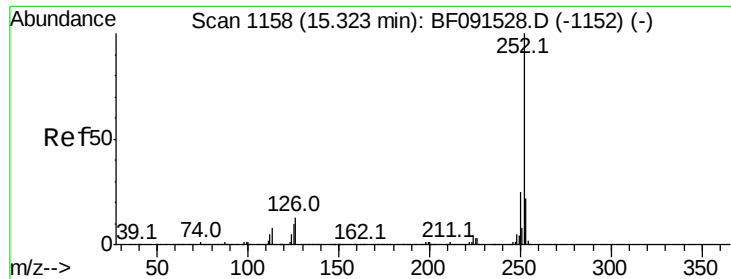
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#88
Benzo(k)fluoranthene
Concen: 42.14 ng m
RT: 14.99 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	10.4	9.6	14.4





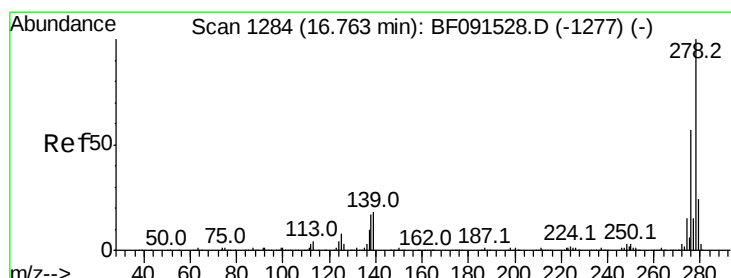
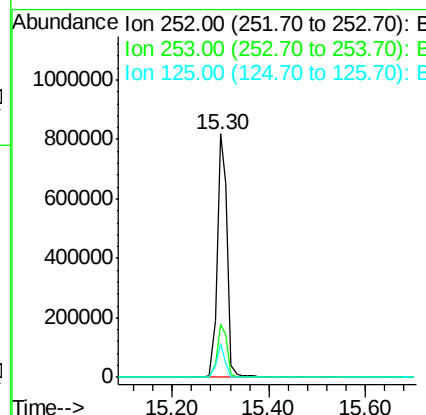
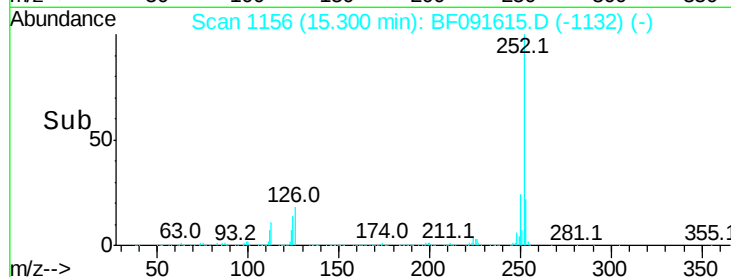
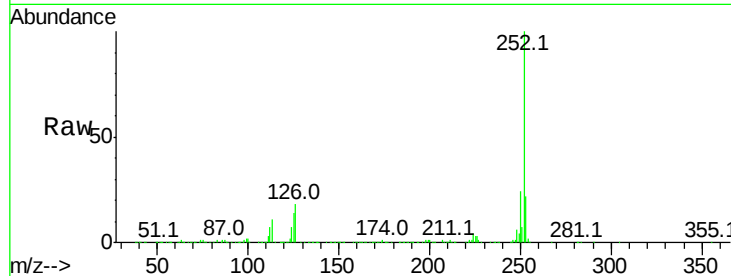
#89
Benzo(a)pyrene
Concen: 50.88 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.02 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Instrument :
BNA_F
ClientSampleId :
PB95264BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.4
125	14.0	10.4	15.6

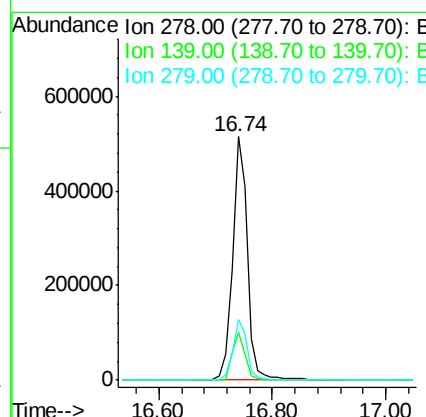
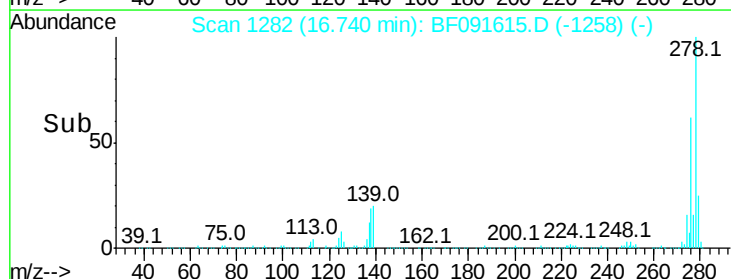
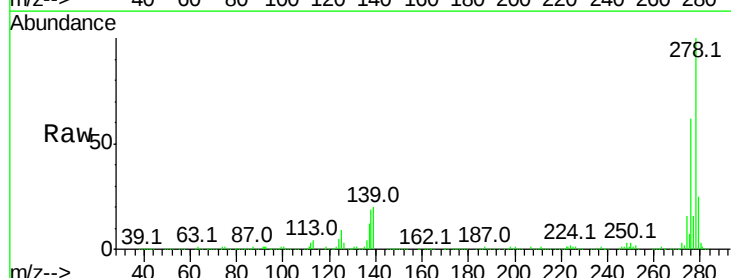
Manual Integrations
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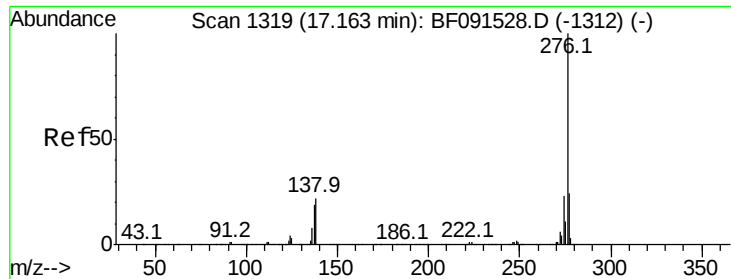
sohil
12/15/2016 5:41:55 PM



#90
Dibenzo(a,h)anthracene
Concen: 44.95 ng
RT: 16.74 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF091615.D
Acq: 15 Dec 2016 7:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.8	15.1	22.7
279	24.6	19.0	28.6





#91
 Benzo(a,h,i)perylene
 Concen: 43.21 ng
 RT: 17.14 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BF091615.D
 Acq: 15 Dec 2016 7:36

Instrument :
 BNA_F
 ClientSampleId :
 PB95264BSD

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
277	23.4	19.0	28.4	
138	20.7	15.4	23.0	

Manual Integrations
 APPROVED

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