

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
 Data File : BF091939.D
 Acq On : 23 Dec 2016 22:16
 Operator : UM/SJ
 Sample : H6226-07MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-01-122116MSD

Quant Time: Dec 23 23:17:19 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	198816	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	837163	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	405799	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	581787	20.00	ng	0.00
75) Chrysene-d12	13.89	240	371943	20.00	ng	-0.01
86) Perylene-d12	15.29	264	374915	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1646427	138.27	ng	0.05
7) Phenol-d6	6.44	99	2075851	142.79	ng	0.03
23) Nitrobenzene-d5	7.32	82	1567951	104.15	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	486284	144.80	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	2343285	124.28	ng	-0.01
78) Terphenyl-d14	12.84	244	1458782	95.12	ng	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.35	88	251274	42.86	ng	96
3) Pyridine	3.02	79	1057108	51.67	ng	98
4) n-Nitrosodimethylamine	3.00	42	436247	56.53	ng	98
6) Aniline	6.42	93	207531	10.99	ng	# 53
8) 2-Chlorophenol	6.54	128	657306	48.53	ng	96
10) Phenol	6.45	94	878112	53.01	ng	# 69
11) bis(2-Chloroethyl)ether	6.49	93	734913	55.76	ng	99
12) 1,3-Dichlorobenzene	6.68	146	735252	50.85	ng	# 93
13) 1,4-Dichlorobenzene	6.76	146	767957	52.18	ng	96
14) 1,2-Dichlorobenzene	6.91	146	595667	46.65	ng	96
15) Benzyl Alcohol	6.91	79	625234	55.35	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.02	45	1023054	52.12	ng	94
17) 2-Methylphenol	7.05	107	583970	53.61	ng	99
18) Hexachloroethane	7.25	117	278478	51.04	ng	96
19) n-Nitroso-di-n-propylamine	7.17	70	539146	55.75	ng	98
20) 3+4-Methylphenols	7.21	107	799565	61.54	ng	# 73
22) Acetophenone	7.16	105	1079566	52.28	ng	# 92
24) Nitrobenzene	7.33	77	755497	47.12	ng	98
25) Isophorone	7.58	82	1432485	51.57	ng	94
26) 2-Nitrophenol	7.65	139	425911	53.86	ng	# 88
27) 2,4-Dimethylphenol	7.71	122	590824	45.05	ng	98
28) bis(2-Chloroethoxy)methane	7.79	93	941474	55.90	ng	99
29) 2,4-Dichlorophenol	7.92	162	582056	52.41	ng	97
30) 1,2,4-Trichlorobenzene	7.97	180	597908	49.13	ng	# 95
31) Naphthalene	8.05	128	2017636	52.66	ng	99
32) Benzoic acid	7.88	122	440069	45.24	ng	90
33) 4-Chloroaniline	8.13	127	109401	6.33	ng	98
34) Hexachlorobutadiene	8.17	225	330301	51.42	ng	100
35) Caprolactam	8.50	113	170273	46.66	ng	96
36) 4-Chloro-3-methylphenol	8.62	107	580053	45.39	ng	98
37) 2-Methylnaphthalene	8.74	142	1235443	60.95	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.91	216	556723	54.30	ng	98
40) Hexachlorocyclopentadiene	8.90	237	309790	68.45	ng	98
42) 2,4,6-Trichlorophenol	9.04	196	368613	51.41	ng	97

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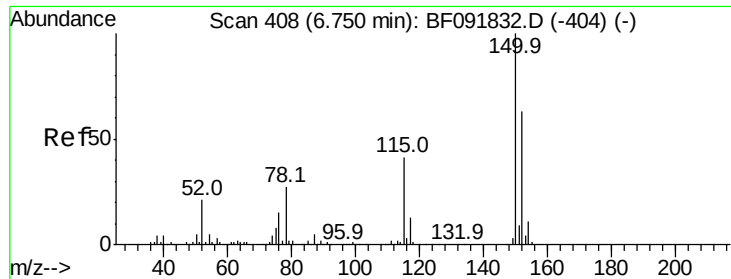
Instrument :
 BNA_F
 ClientSampleId :
 IDW-01-122116MSD

Quant Time: Dec 23 23:17:19 2016
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) 2,4,5-Trichlorophenol	9.09	196	355617	48.19	nq	# 84
45) 1,1'-Biphenyl	9.21	154	1446231	52.05	nq	98
46) 2-Chloronaphthalene	9.23	162	1098092	49.90	nq	94
47) 2-Nitroaniline	9.33	65	325697	41.57	nq	95
48) Acenaphthylene	9.64	152	1559517	46.08	nq	99
49) Dimethylphthalate	9.52	163	1361182	52.45	nq	99
50) 2,6-Dinitrotoluene	9.58	165	304350	53.58	nq	# 71
51) Acenaphthene	9.81	154	1031511	44.96	nq	99
52) 3-Nitroaniline	9.74	138	95126	13.53	nq	98
53) 2,4-Dinitrophenol	9.86	184	223619	70.75	nq	# 81
54) Dibenzofuran	9.98	168	1364381	44.04	nq	96
55) 4-Nitrophenol	9.95	139	400297m	83.86	nq	
56) 2,4-Dinitrotoluene	9.98	165	405257	56.84	nq	95
57) Fluorene	10.33	166	1074565	47.67	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.12	232	290530	49.78	nq	99
59) Diethylphthalate	10.21	149	1351311	53.61	nq	98
60) 4-Chlorophenyl-phenylether	10.33	204	529669	53.66	nq	# 78
61) 4-Nitroaniline	10.36	138	198853	27.30	nq	97
62) Azobenzene	10.48	77	1394901	50.26	nq	97
64) 4,6-Dinitro-2-methylphenol	10.38	198	148846	42.31	nq	# 33
65) n-Nitrosodiphenylamine	10.44	169	978384	56.67	nq	100
66) 4-Bromophenyl-phenylether	10.81	248	335271	55.40	nq	95
67) Hexachlorobenzene	10.88	284	353060	54.58	nq	95
68) Atrazine	10.98	200	194924	35.00	nq	95
69) Pentachlorophenol	11.08	266	331533	104.45	nq	100
70) Phenanthrene	11.29	178	1683587	53.37	nq	99
71) Anthracene	11.33	178	1486187	59.82	nq	100
72) Carbazole	11.50	167	1447180	Below	Cal	97
73) Di-n-butylphthalate	11.82	149	1804555	61.91	nq	99
74) Fluoranthene	12.47	202	1324414	48.12	nq	98
76) Benzidine	12.59	184	114136	8.61	nq	97
77) Pyrene	12.69	202	1305891	47.85	nq	100
79) Butylbenzylphthalate	13.32	149	696680	56.13	nq	87
80) Benzo(a)anthracene	13.88	228	1025430	48.84	nq	100
81) 3,3'-Dichlorobenzidine	13.85	252	192036	24.12	nq	# 96
82) Chrysene	13.92	228	1014322	48.16	nq	99
83) Bis(2-ethylhexyl)phthalate	13.88	149	837221	57.28	nq	# 99
84) Di-n-octyl phthalate	14.49	149	1440581	53.20	nq	99
85) Indeno(1,2,3-cd)pyrene	16.63	276	1053089	57.72	nq	98
87) Benzo(b)fluoranthene	14.90	252	1247511m	53.44	nq	
88) Benzo(k)fluoranthene	14.92	252	953713m	47.91	nq	
89) Benzo(a)pyrene	15.23	252	1048783	50.62	nq	99
90) Dibenzo(a,h)anthracene	16.64	278	879783	51.67	nq	98
91) Benzo(g,h,i)perylene	17.03	276	852449	48.14	nq	98

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

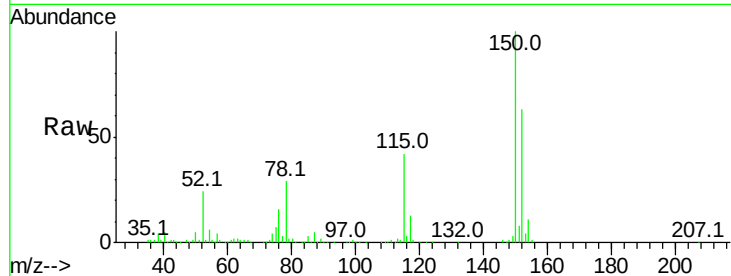


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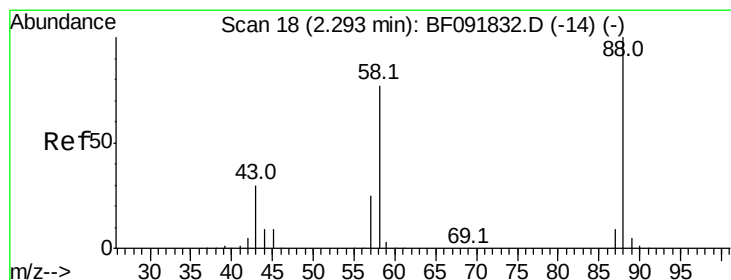
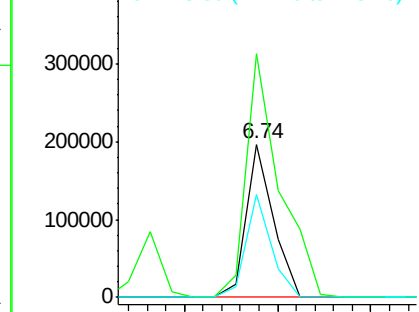
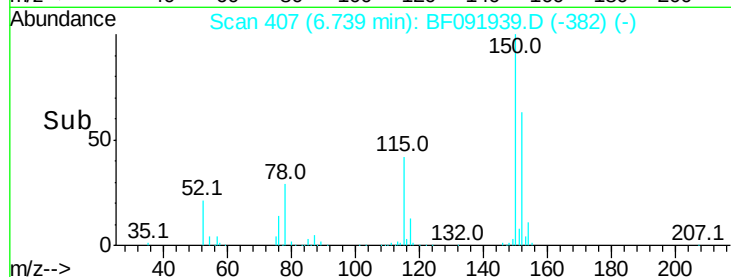
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.01 min
Lab File: BF091939.D
Acq: 23 Dec 2016 22:16

Instrument :
BNA_F
ClientSampleId :
IDW-01-122116MSD

Tot Ion:152 Resp: 198816
Ion Ratio Lower Upper
152 100
150 159.1 124.9 187.3
115 67.5 46.0 69.0



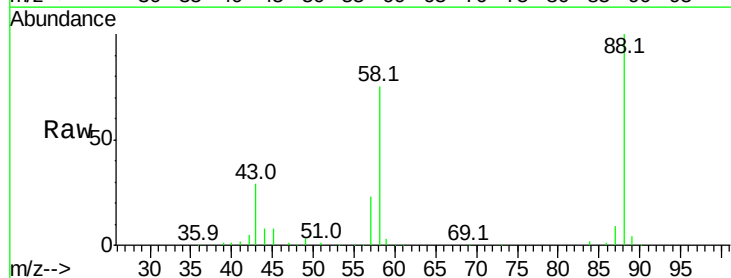
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



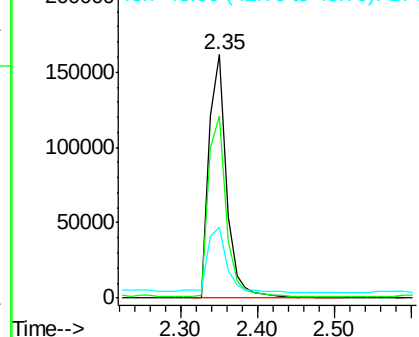
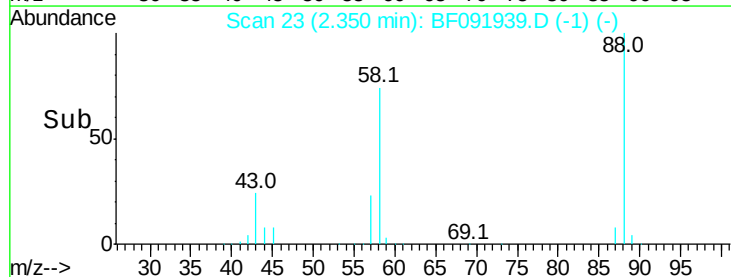
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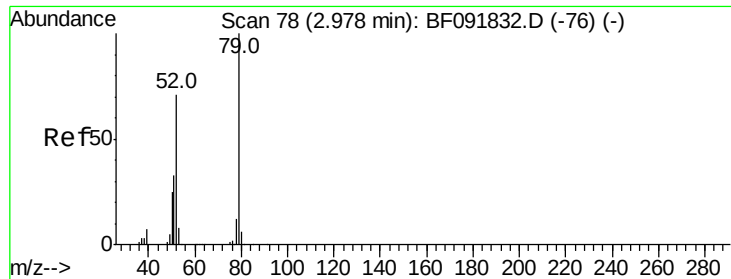
1,4-Dioxane
Concen: 42.86 ng
RT: 2.35 min Scan# 23
Delta R.T. 0.06 min
Lab File: BF091939.D
Acq: 23 Dec 2016 22:16

Tgt Ion: 88 Resp: 251274
Ion Ratio Lower Upper
88 100
58 75.6 57.8 86.8
43 30.0 22.3 33.5



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: 51.67 ng

RT: 3.02 min Scan# 82

Delta R.T. 0.05 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

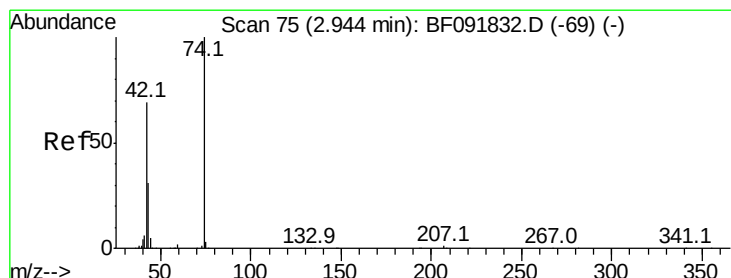
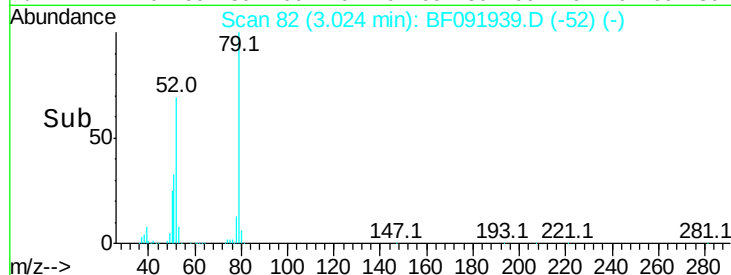
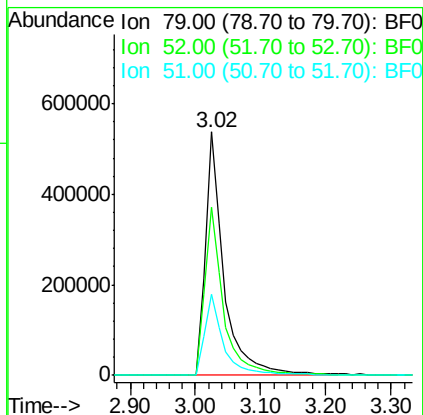
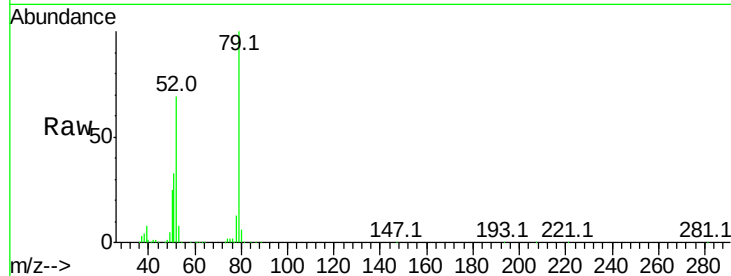
Tot Ion: 79 Resp: 1057108

Ion Ratio Lower Upper

79 100

52 69.1 57.1 85.7

51 33.3 27.3 40.9



#4

n-Nitrosodimethylamine

Concen: 56.53 ng

RT: 3.00 min Scan# 80

Delta R.T. 0.06 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

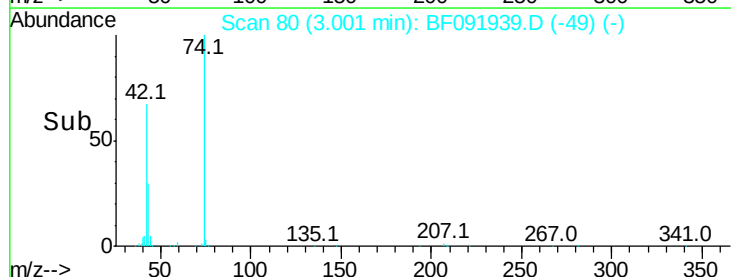
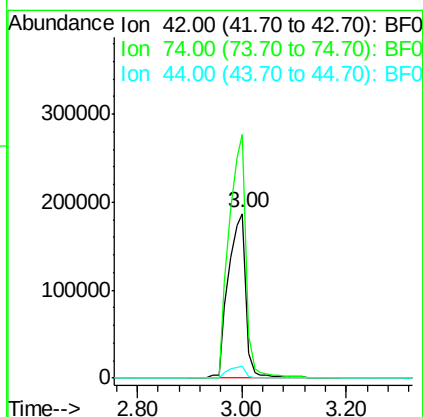
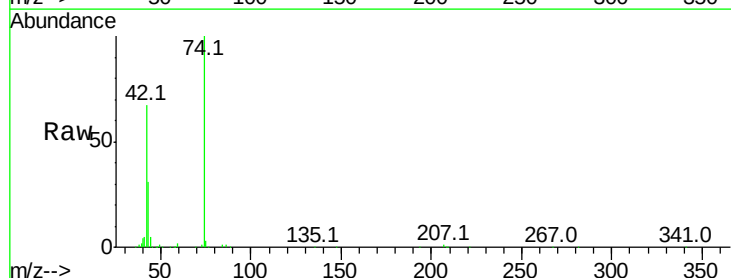
Tgt Ion: 42 Resp: 436247

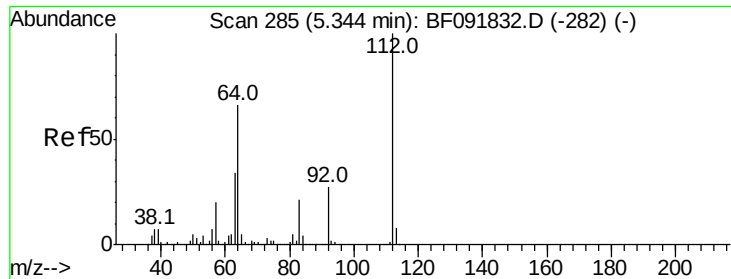
Ion Ratio Lower Upper

42 100

74 148.2 117.0 175.4

44 7.0 5.5 8.3





#5

2-Fluorophenol

Concen: 138.27 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.05 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

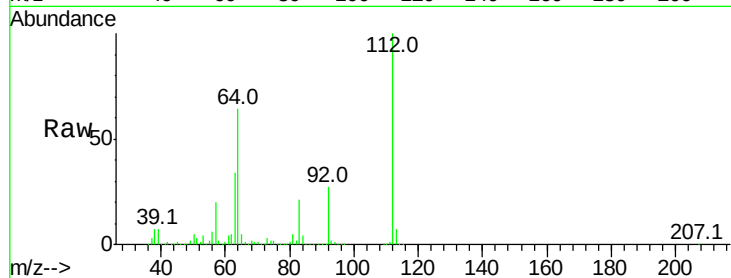
Tot Ion:112 Resp: 1646427

Ion Ratio Lower Upper

112 100

64 64.0 46.1 69.1

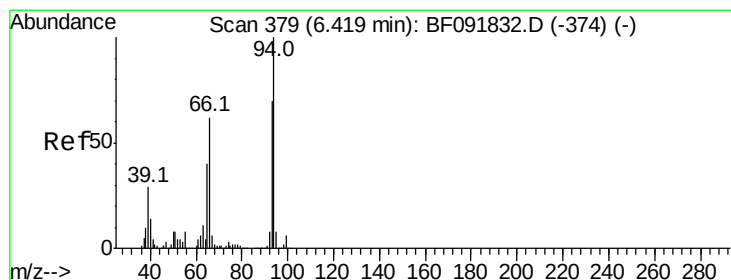
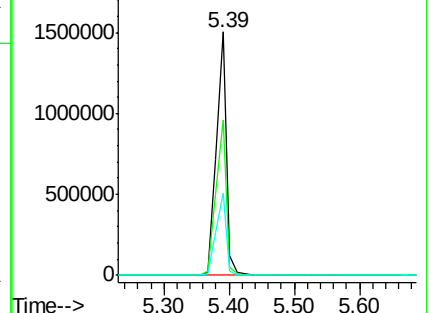
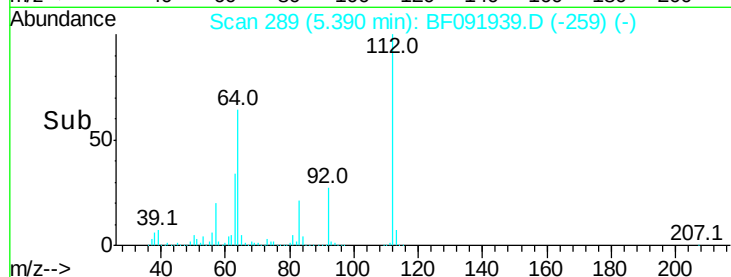
63 33.9 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 10.99 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.00 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

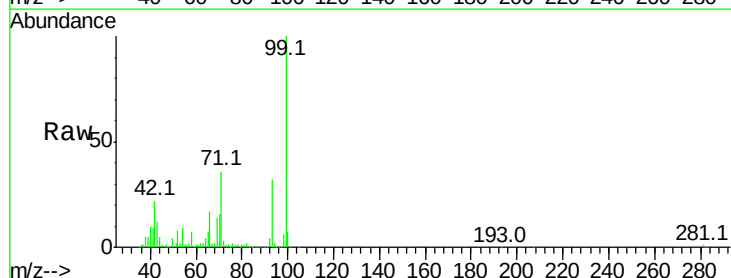
Tgt Ion: 93 Resp: 207531

Ion Ratio Lower Upper

93 100

66 52.2 76.2 114.2#

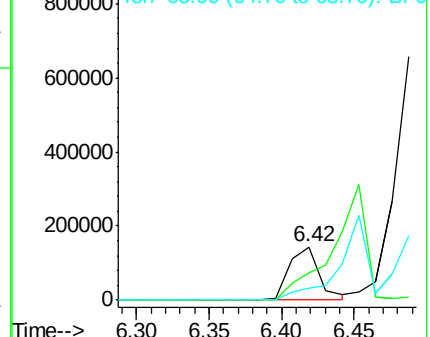
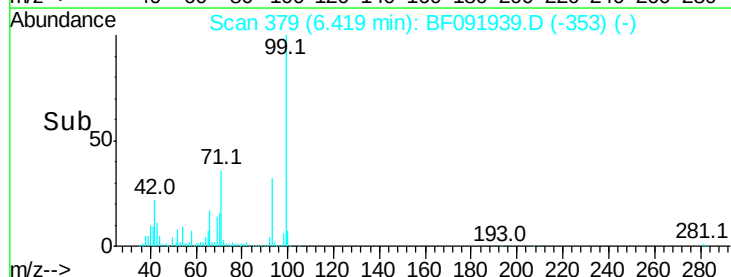
65 21.8 49.3 73.9#

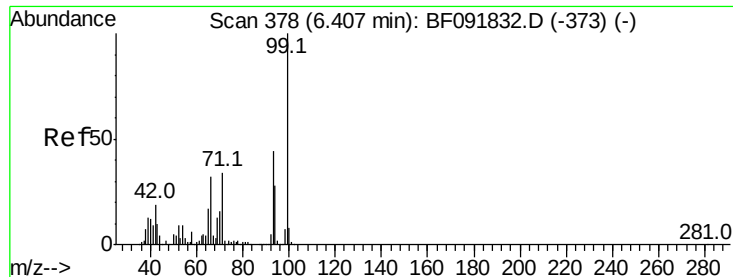


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 142.79 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.03 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

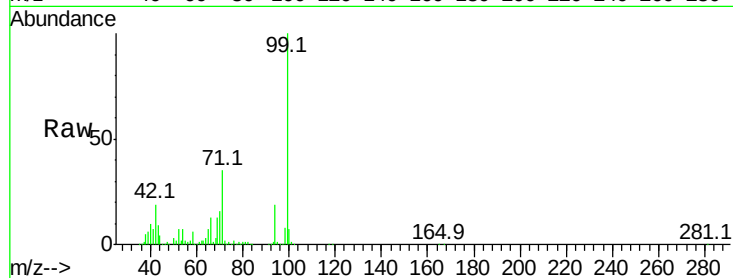
BNA_F

ClientSampleId :

IDW-01-122116MSD

Tot Ion: 99 Resp: 2075851

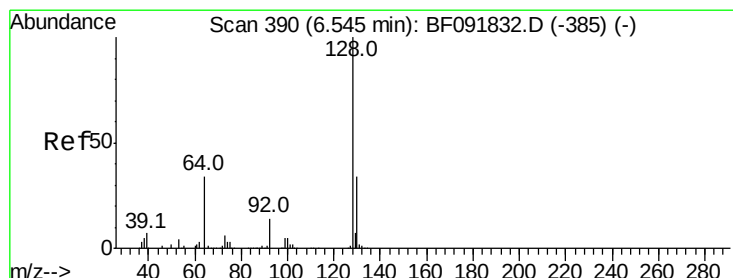
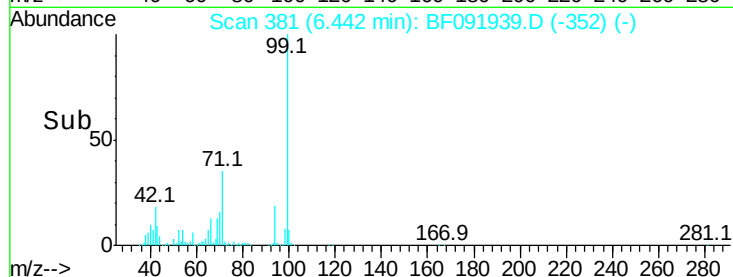
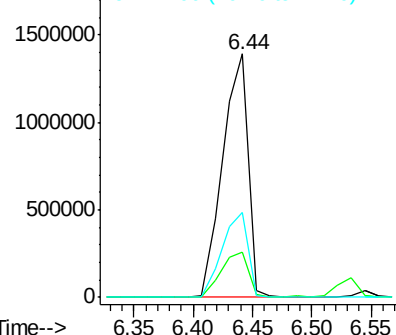
Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.6	23.4
71	34.8	27.5	41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 48.53 ng

RT: 6.54 min Scan# 390

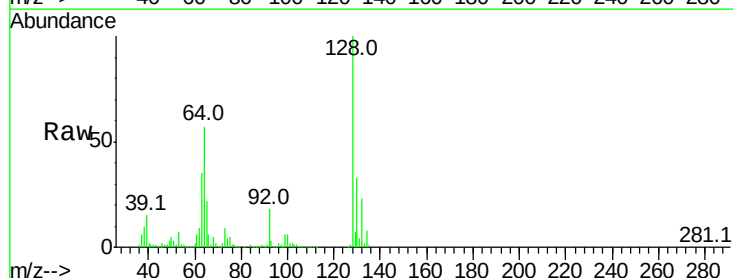
Delta R.T. -0.00 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Tgt Ion: 128 Resp: 657306

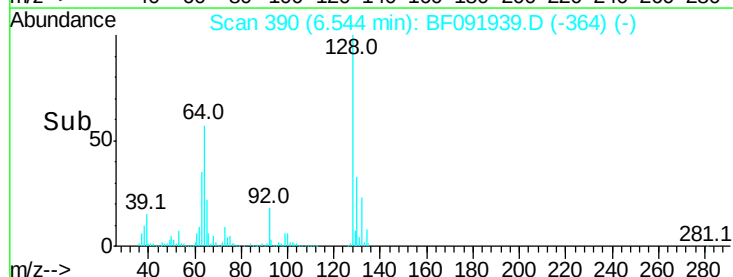
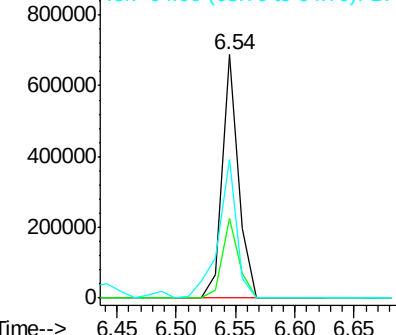
Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.3	52.3
64	56.7	32.2	72.2

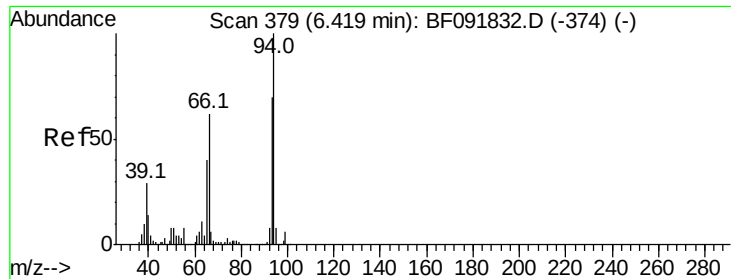


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#10

Phenol

Concen: 53.01 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.03 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

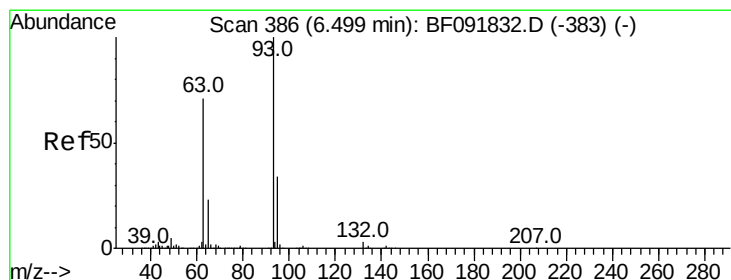
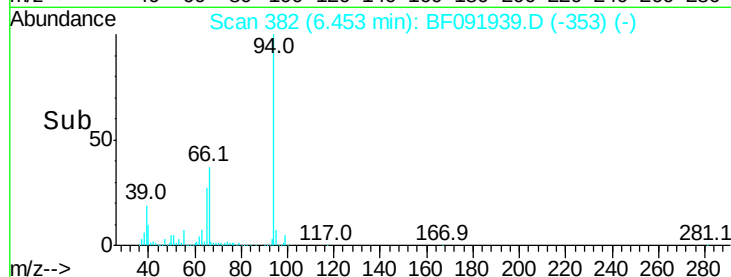
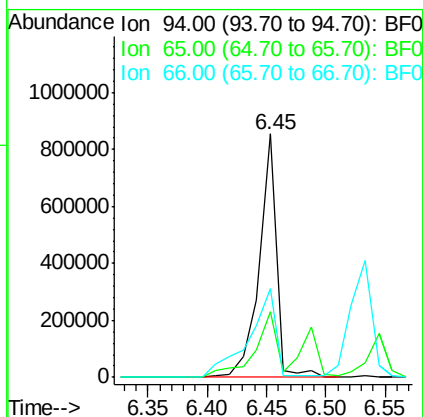
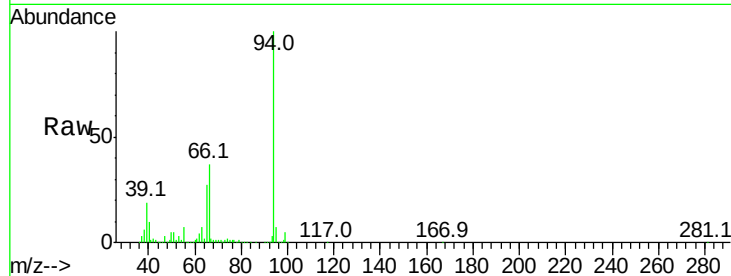
BNA_F

ClientSampleId :

IDW-01-122116MSD

Tot Ion: 94 Resp: 878112

Ion	Ratio	Lower	Upper
94	100		
65	26.7	21.4	61.4
66	36.5	44.0	84.0#



#11

bis(2-Chloroethyl)ether

Concen: 55.76 ng

RT: 6.49 min Scan# 385

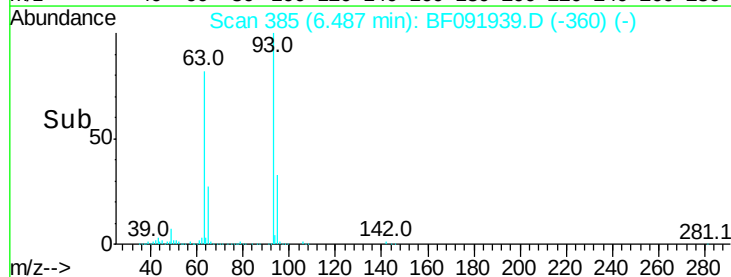
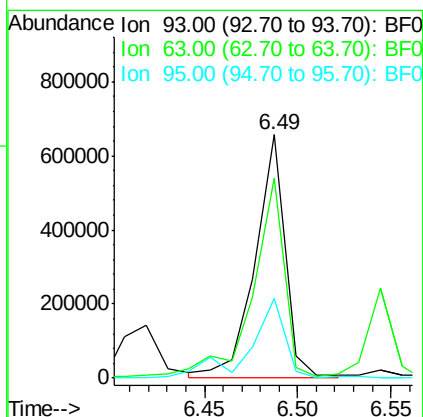
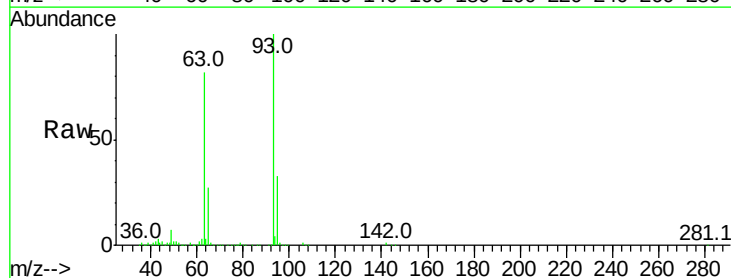
Delta R.T. -0.01 min

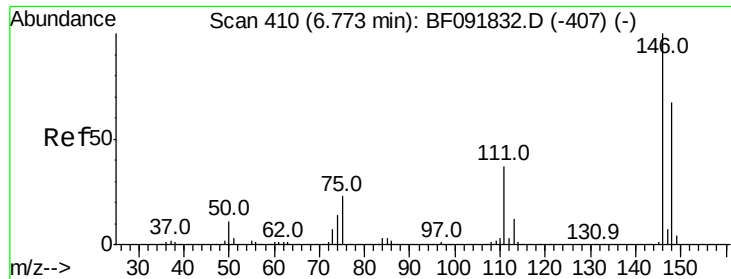
Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Tgt Ion: 93 Resp: 734913

Ion	Ratio	Lower	Upper
93	100		
63	82.0	60.4	100.4
95	32.8	12.8	52.8

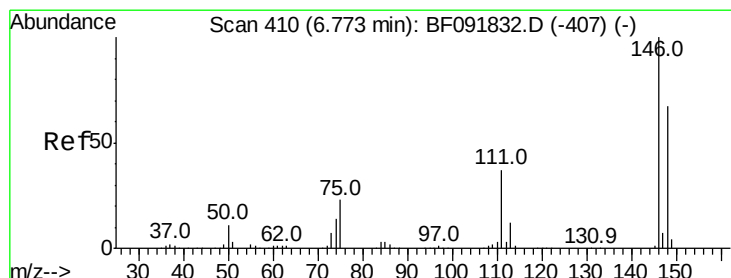
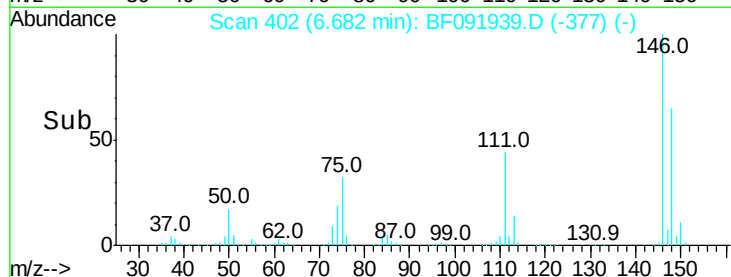
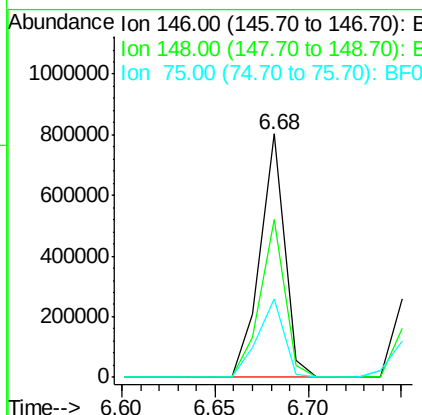
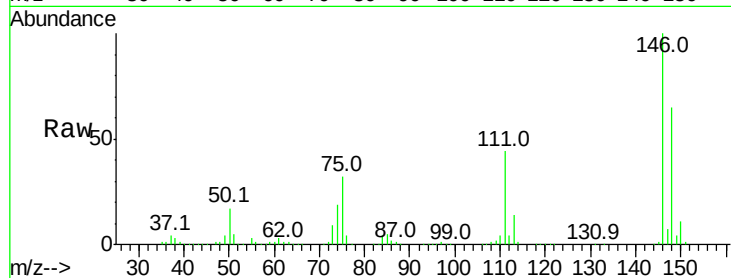




#12
 1,3-Dichlorobenzene
 Concen: 50.85 ng
 RT: 6.68 min Scan# 402
 Delta R.T. -0.01 min
 Lab File: BF091939.D
 Acq: 23 Dec 2016 22:16

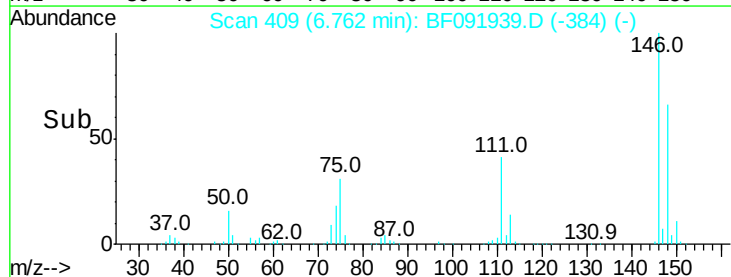
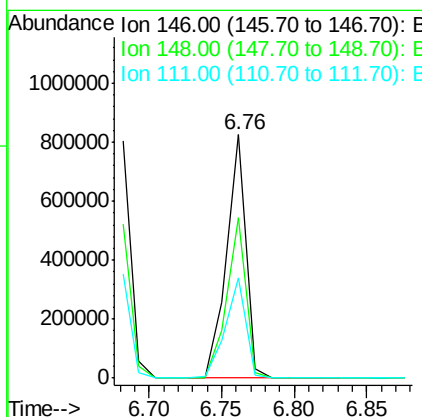
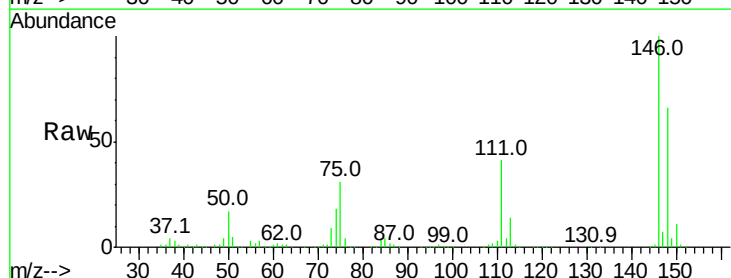
Instrument :
 BNA_F
 ClientSampleId :
 IDW-01-122116MSD

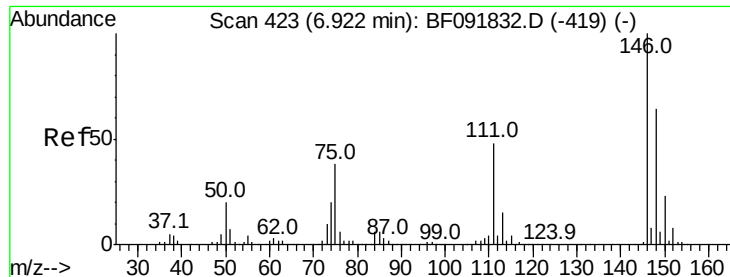
Tot Ion	Ratio	Lower	Upper
146	100		
148	64.9	53.4	80.0
75	32.2	18.5	27.7#



#13
 1,4-Dichlorobenzene
 Concen: 52.18 ng
 RT: 6.76 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: BF091939.D
 Acq: 23 Dec 2016 22:16

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.7	50.6	76.0
111	41.3	36.2	54.4





#14

1,2-Dichlorobenzene

Concen: 46.65 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

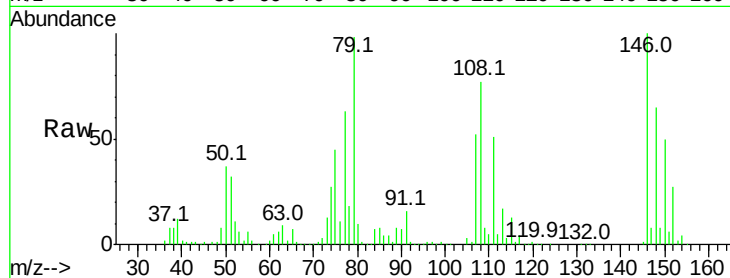
Tot Ion:146 Resp: 595667

Ion Ratio Lower Upper

146 100

148 64.8 52.2 78.2

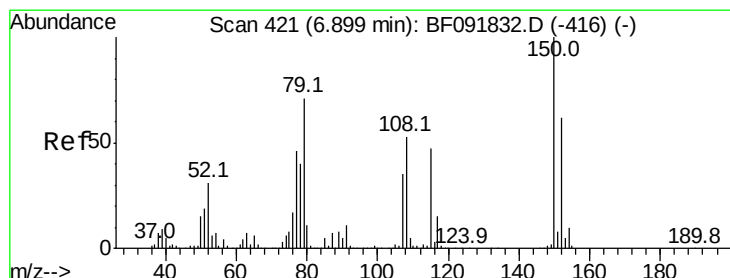
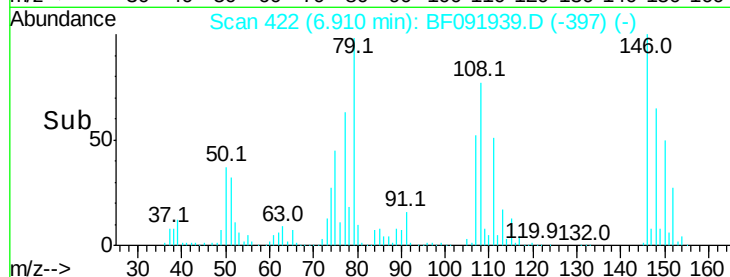
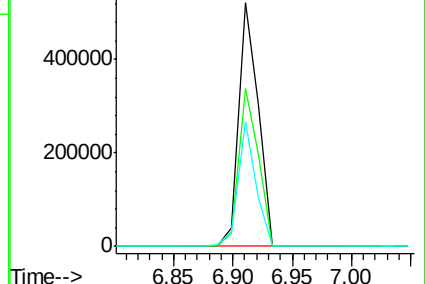
111 51.3 36.2 54.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 55.35 ng

RT: 6.91 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

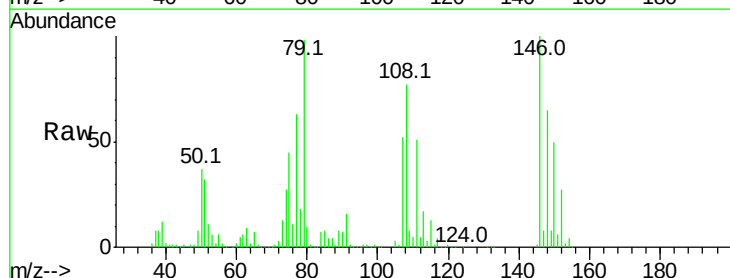
Tgt Ion: 79 Resp: 625234

Ion Ratio Lower Upper

79 100

108 78.0 61.4 92.0

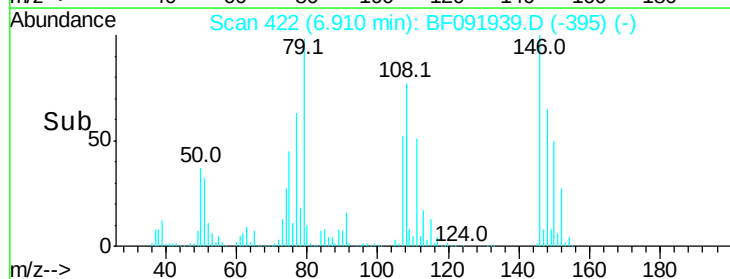
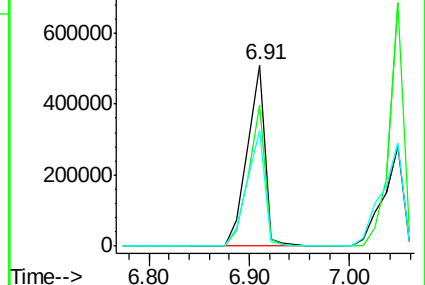
77 64.0 50.9 76.3

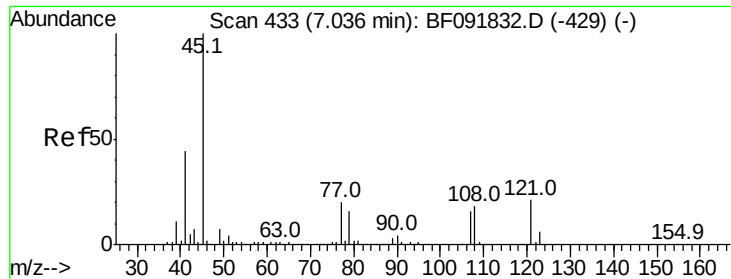


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

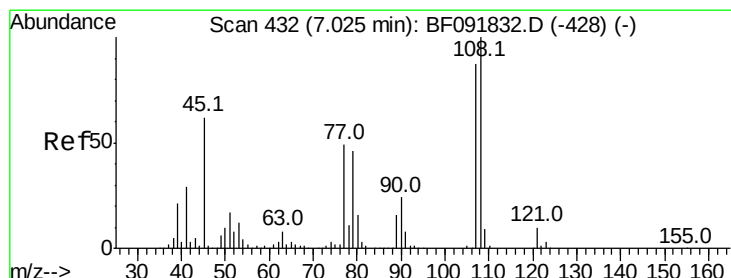
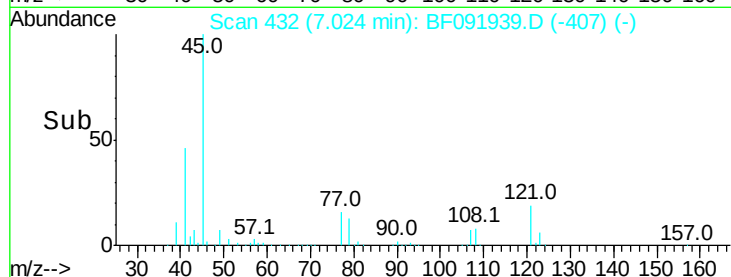
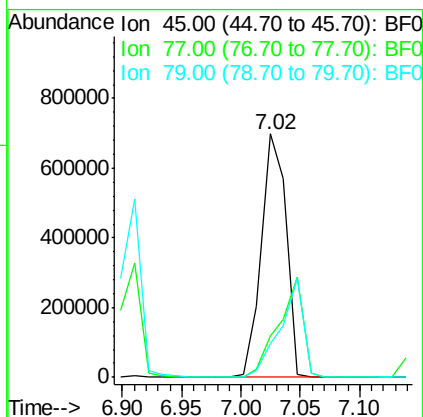
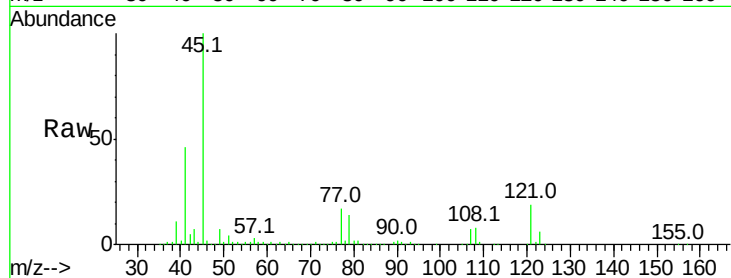




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 52.12 ng
RT: 7.02 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF091939.D
Acq: 23 Dec 2016 22:16

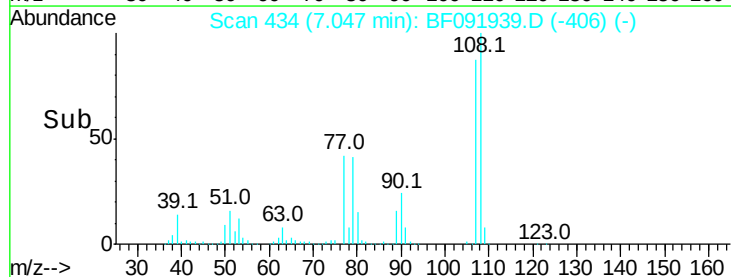
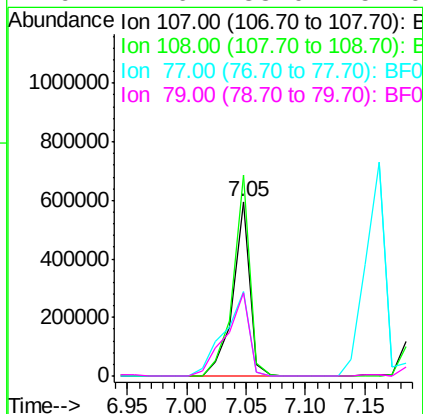
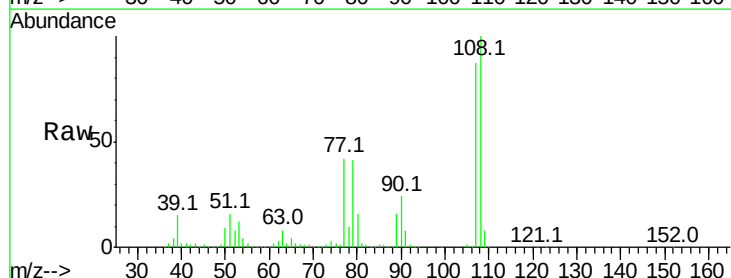
Instrument :
BNA_F
ClientSampleId :
IDW-01-122116MSD

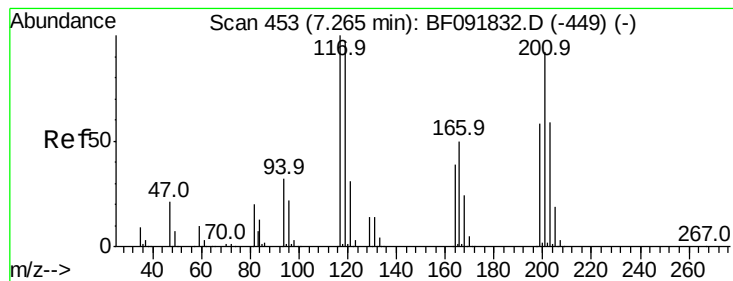
Tot Ion: 45 Resp: 1023054
Ion Ratio Lower Upper
45 100
77 17.0 0.0 34.6
79 13.8 0.0 31.2



#17
2-Methylphenol
Concen: 53.61 ng
RT: 7.05 min Scan# 434
Delta R.T. 0.02 min
Lab File: BF091939.D
Acq: 23 Dec 2016 22:16

Tgt Ion:107 Resp: 583970
Ion Ratio Lower Upper
107 100
108 115.2 93.0 139.6
77 48.6 39.8 59.8
79 47.6 38.0 57.0





#18

Hexachloroethane

Concen: 51.04 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

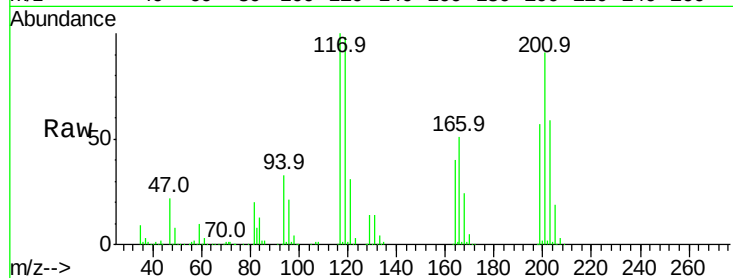
Tot Ion:117 Resp: 278478

Ion Ratio Lower Upper

117 100

119 97.6 78.1 117.1

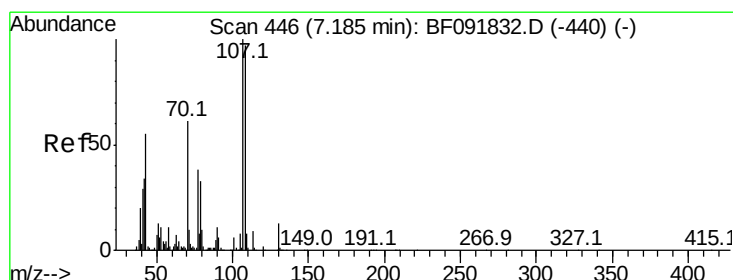
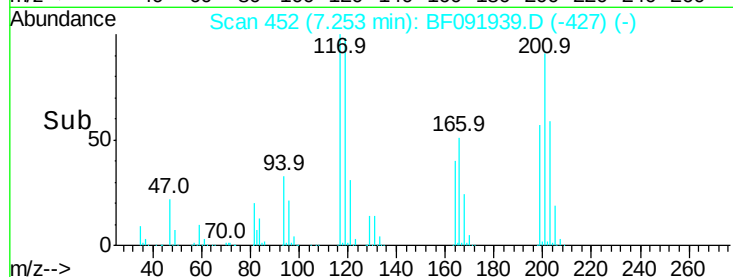
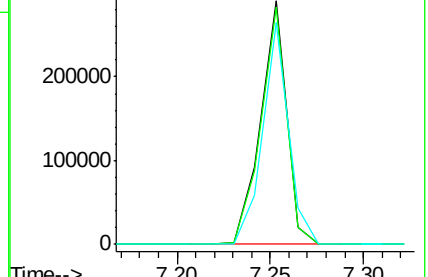
201 91.1 78.6 117.8



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 55.75 ng

RT: 7.17 min Scan# 445

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Tgt Ion: 70 Resp: 539146

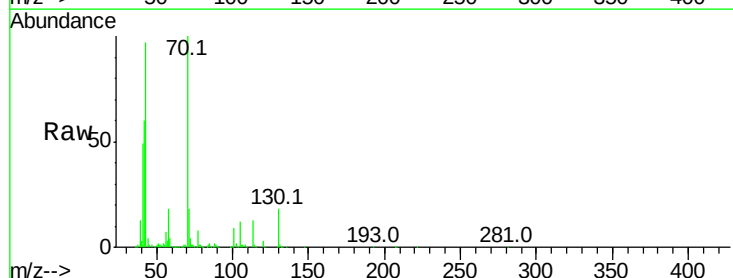
Ion Ratio Lower Upper

70 100

42 59.8 49.4 74.0

101 9.0 7.4 11.2

130 17.9 14.2 21.4

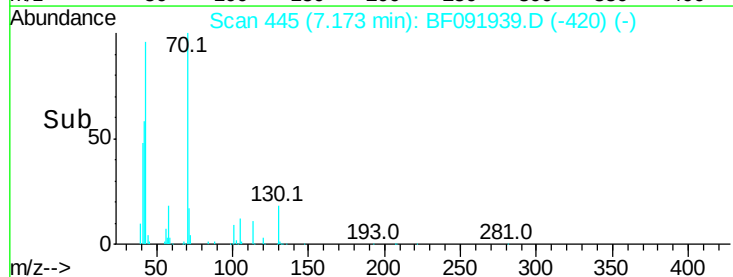
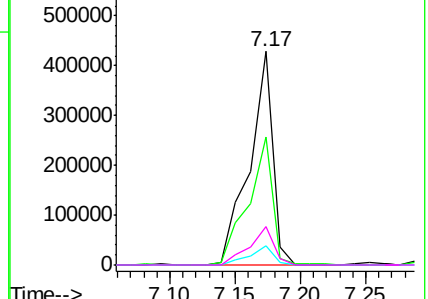


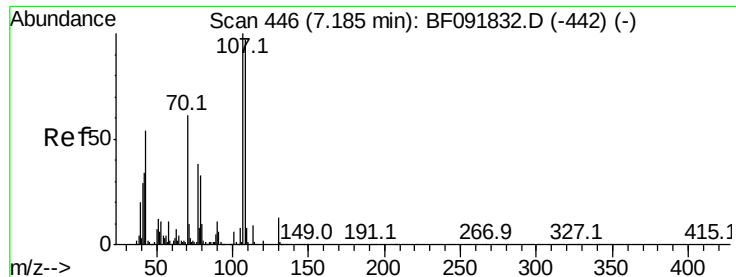
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 61.54 ng

RT: 7.21 min Scan# 448

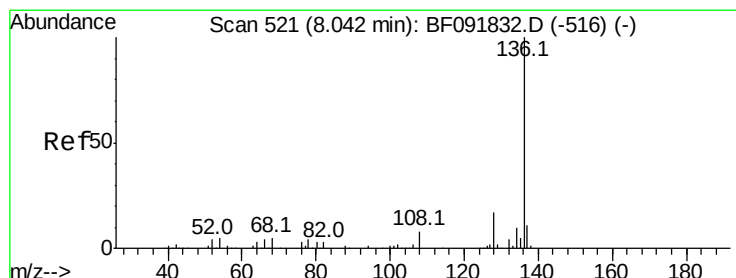
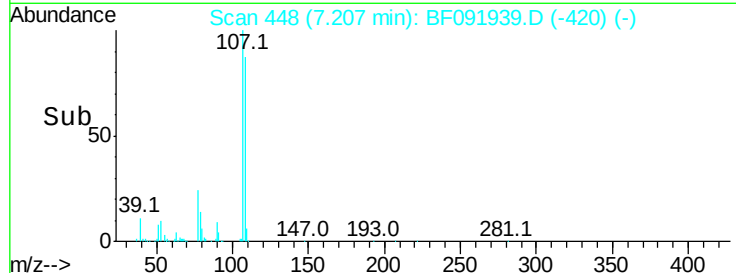
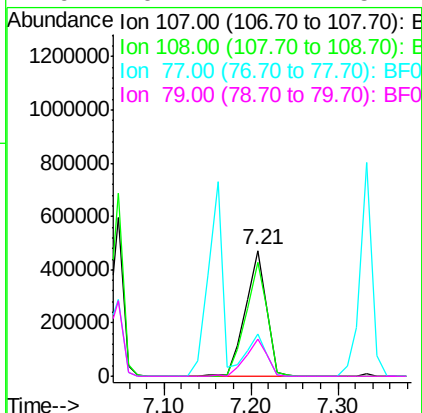
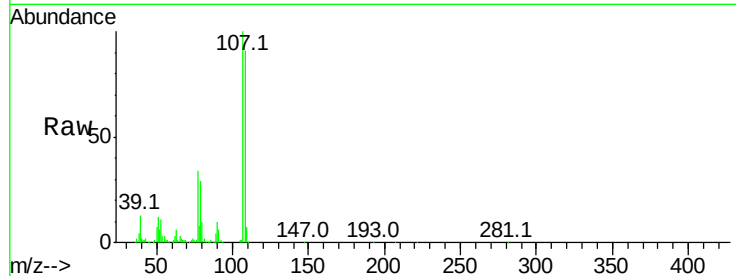
Delta R.T. 0.02 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :
BNA_F
ClientSampleId :
IDW-01-122116MSD

Tot Ion:	107	Resp:	799565
Ion	Ratio	Lower	Upper
107	100		
108	90.9	73.0	113.0
77	33.7	71.3	111.3#
79	29.2	11.1	51.1



#21

Naphthalene-d8

Concen: 20.00 ng

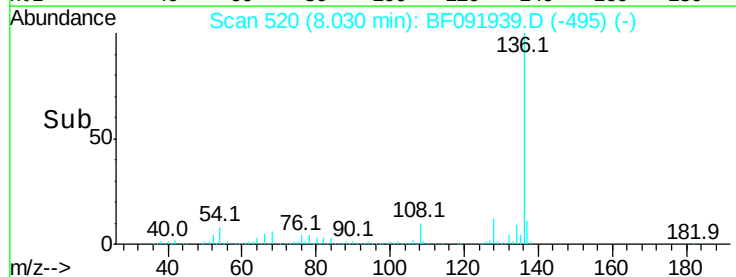
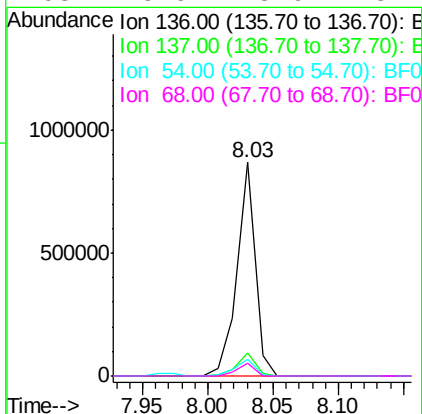
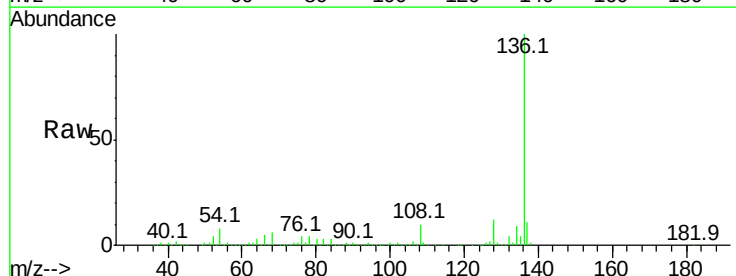
RT: 8.03 min Scan# 520

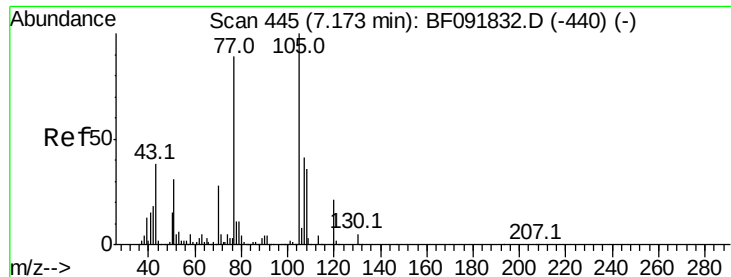
Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Tgt Ion:	136	Resp:	837163
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	7.5	4.5	6.7#
68	5.9	3.6	5.4#





#22

Acetophenone

Concen: 52.28 ng

RT: 7.16 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

Tot Ion:105 Resp: 1079566

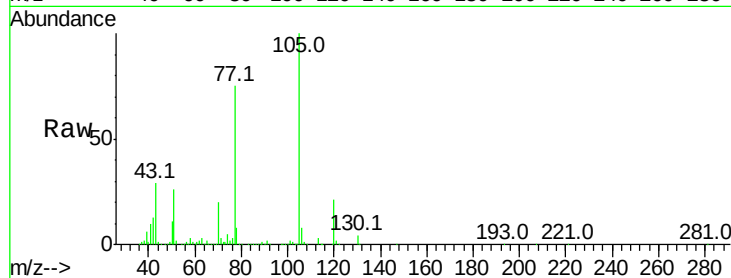
Ion Ratio Lower Upper

105 100

71 3.2 3.2 4.8#

51 25.6 26.2 39.4#

120 21.0 16.6 24.8



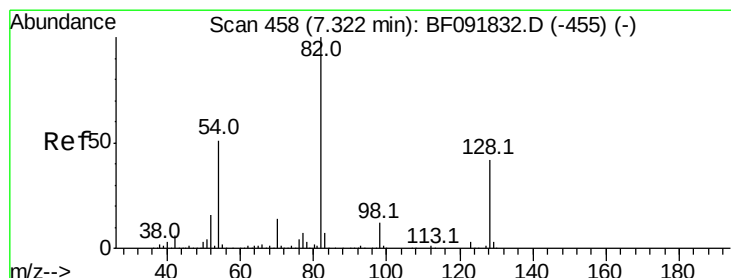
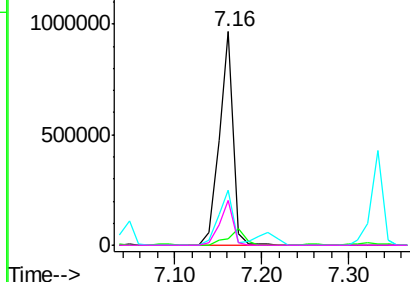
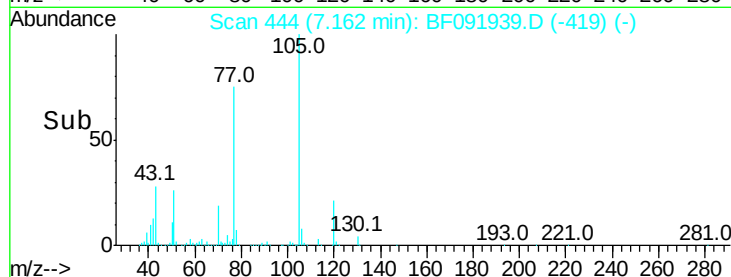
Abundance Ion 105.00 (104.70 to 105.70): E

1500000

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 104.15 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.00 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

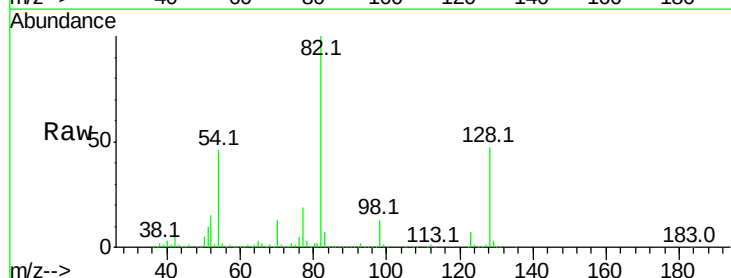
Tgt Ion: 82 Resp: 1567951

Ion Ratio Lower Upper

82 100

128 46.8 34.6 52.0

54 46.4 39.5 59.3

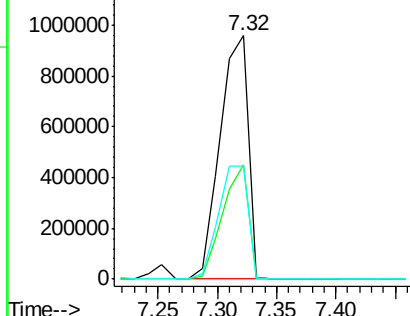
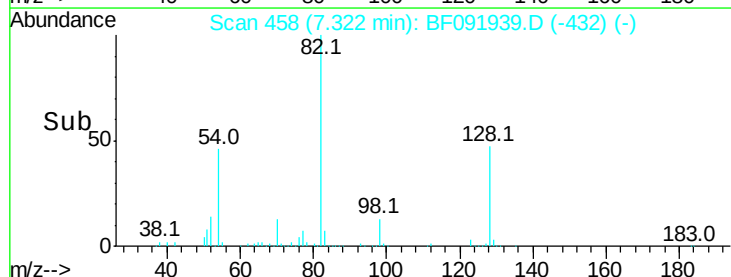


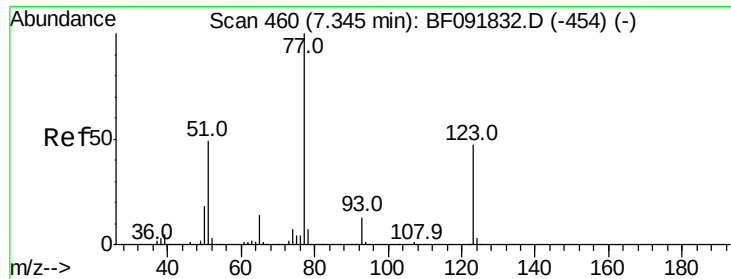
Abundance Ion 82.00 (81.70 to 82.70): BF0

1200000

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 47.12 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

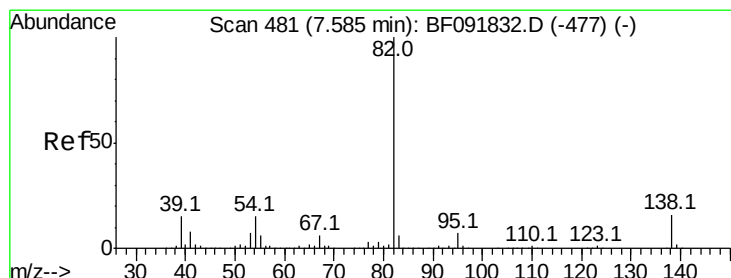
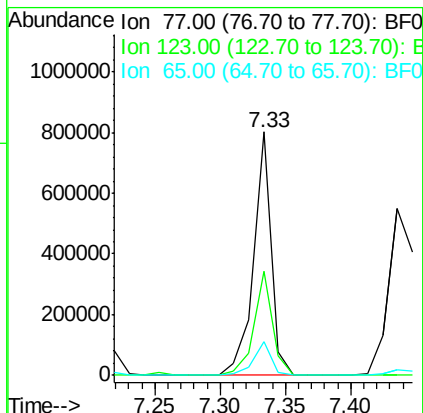
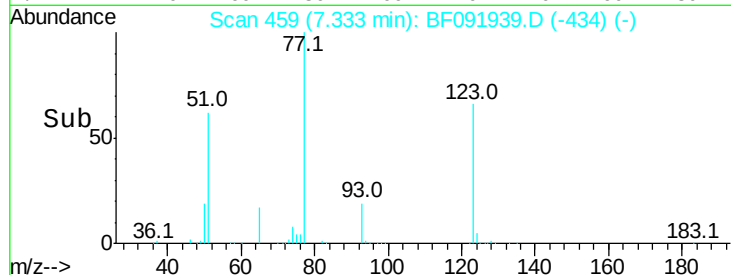
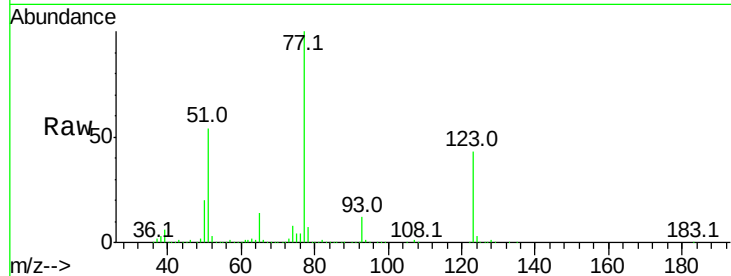
BNA_F

ClientSampleId :

IDW-01-122116MSD

Tot Ion: 77 Resp: 755497

Ion	Ratio	Lower	Upper
77	100		
123	42.5	33.0	49.4
65	14.0	11.2	16.8



#25

Isophorone

Concen: 51.57 ng

RT: 7.58 min Scan# 481

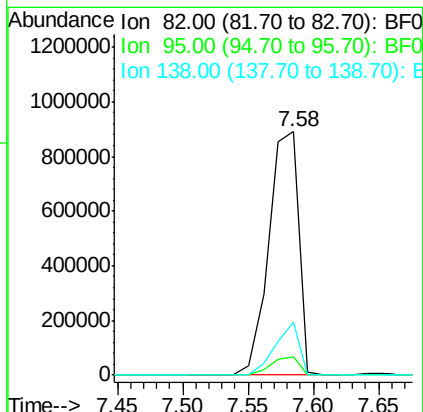
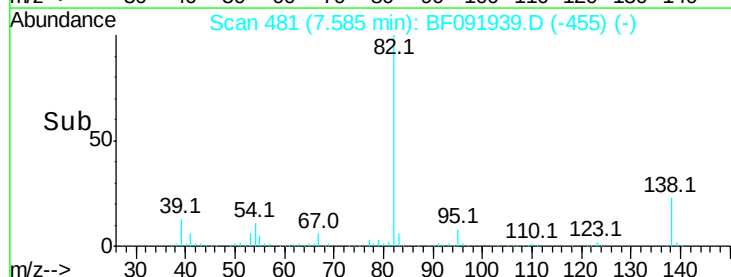
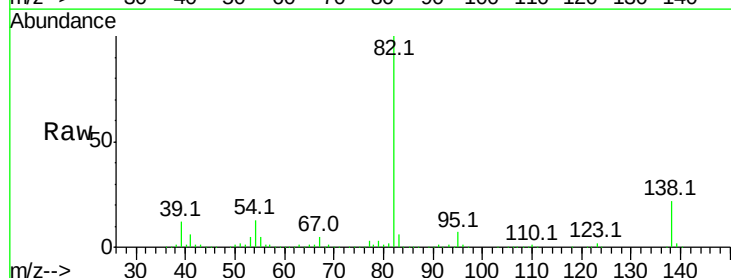
Delta R.T. -0.00 min

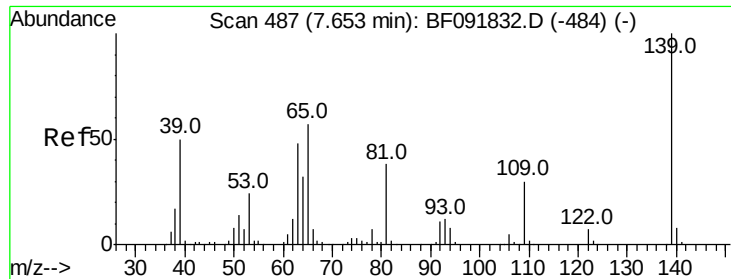
Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Tgt Ion: 82 Resp: 1432485

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.6	8.4
138	21.8	14.6	22.0

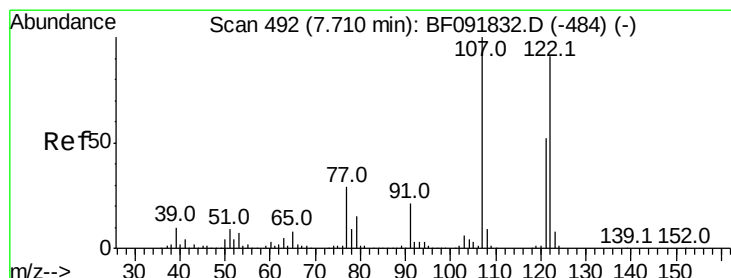
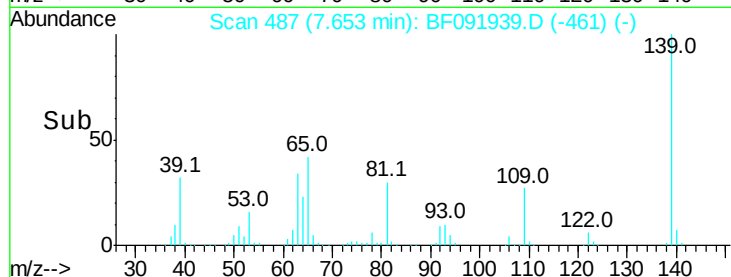
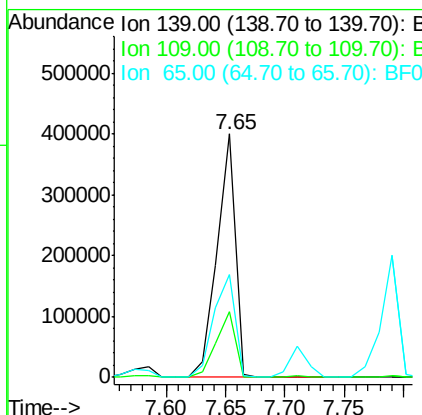
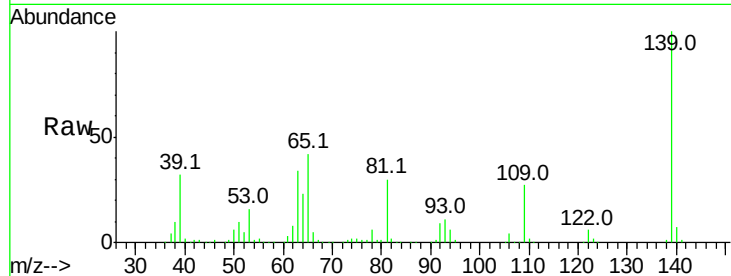




#26
 2-Nitrophenol
 Concen: 53.86 ng
 RT: 7.65 min Scan# 487
 Delta R.T. -0.00 min
 Lab File: BF091939.D
 Acq: 23 Dec 2016 22:16

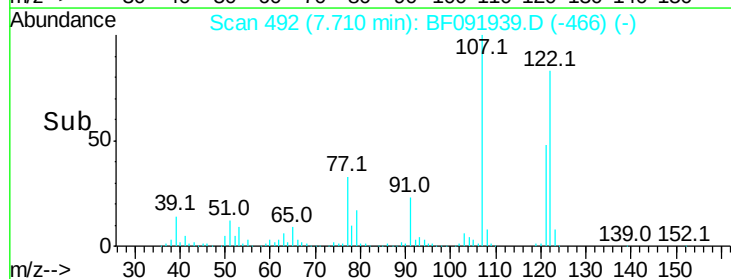
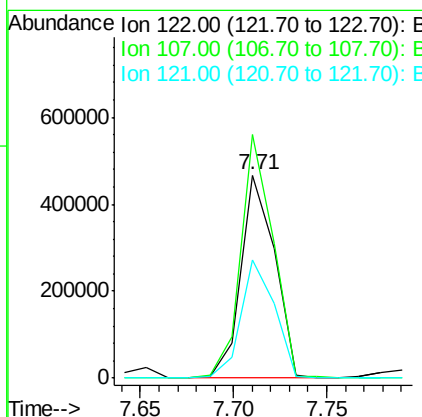
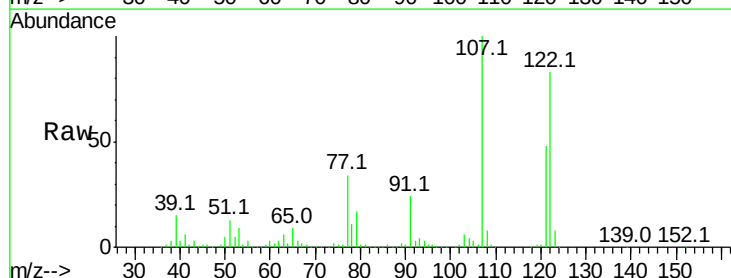
Instrument :
 BNA_F
 ClientSampleId :
 IDW-01-122116MSD

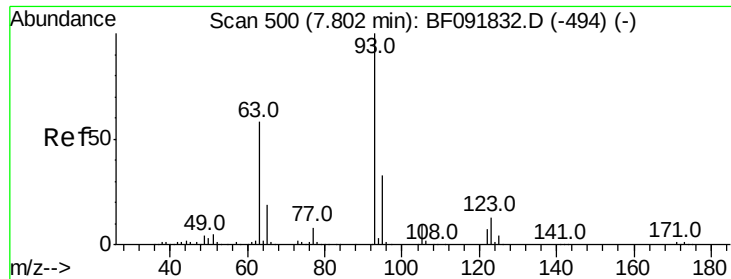
Tot Ion	Ratio	Lower	Upper
139	100		
109	27.0	23.3	34.9
65	42.0	42.7	64.1#



#27
 2,4-Dimethylphenol
 Concen: 45.05 ng
 RT: 7.71 min Scan# 492
 Delta R.T. -0.00 min
 Lab File: BF091939.D
 Acq: 23 Dec 2016 22:16

Tgt Ion	Ratio	Lower	Upper
122	100		
107	120.1	94.1	141.1
121	58.2	46.0	69.0

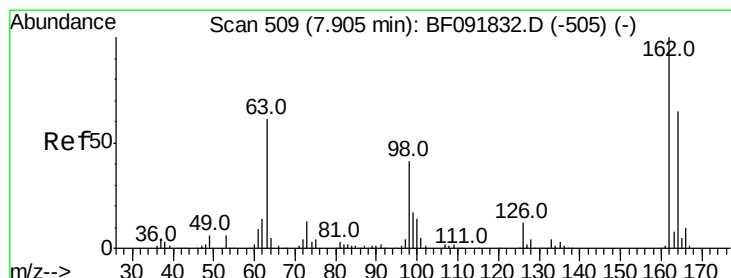
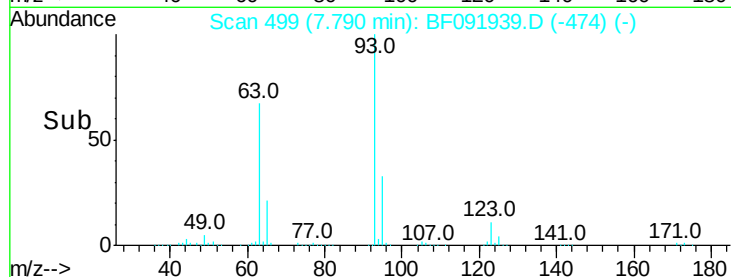
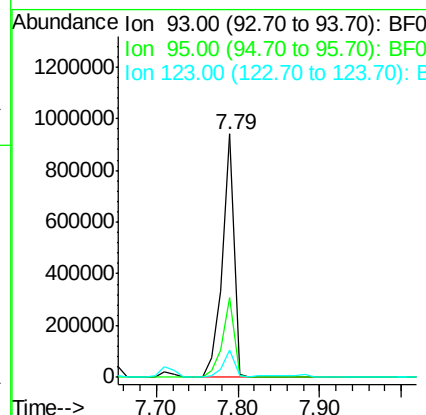
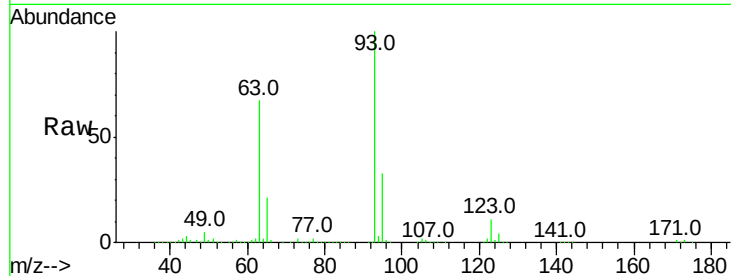




#28
 bis(2-Chloroethoxy)methane
 Concen: 55.90 ng
 RT: 7.79 min Scan# 499
 Delta R.T. -0.01 min
 Lab File: BF091939.D
 Acq: 23 Dec 2016 22:16

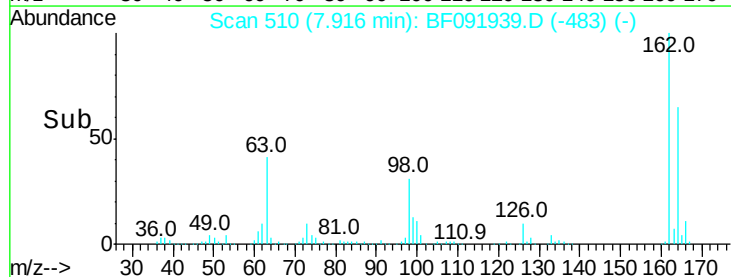
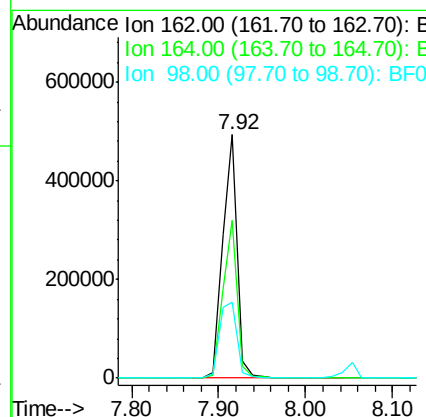
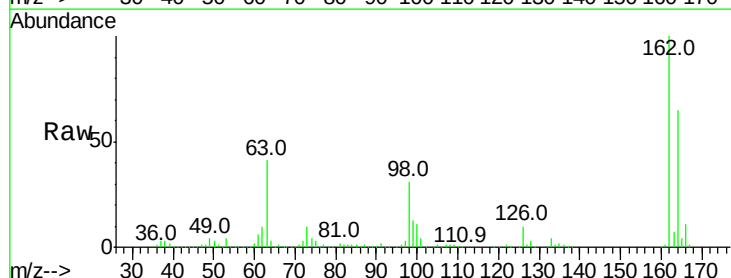
Instrument :
 BNA_F
 ClientSampleId :
 IDW-01-122116MSD

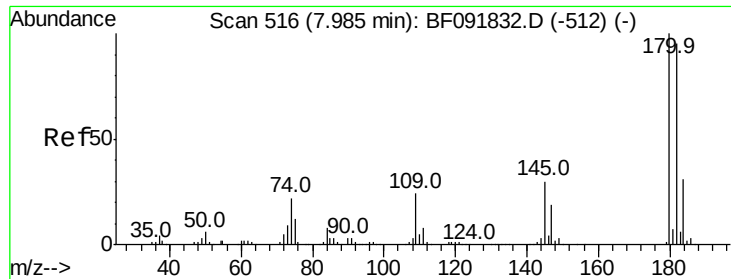
Tot Ion: 93 Resp: 941474
 Ion Ratio Lower Upper
 93 100
 95 32.8 26.5 39.7
 123 11.1 8.6 13.0



#29
 2,4-Dichlorophenol
 Concen: 52.41 ng
 RT: 7.92 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: BF091939.D
 Acq: 23 Dec 2016 22:16

Tgt Ion: 162 Resp: 582056
 Ion Ratio Lower Upper
 162 100
 164 65.0 46.8 86.8
 98 31.2 9.1 49.1

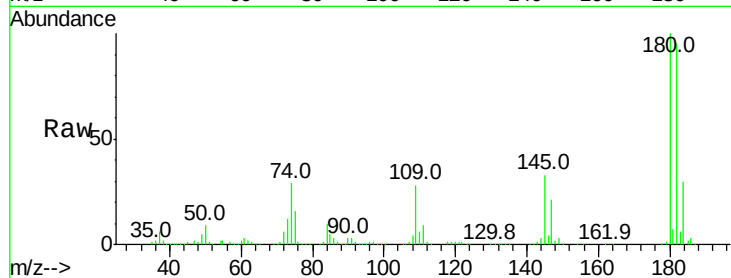




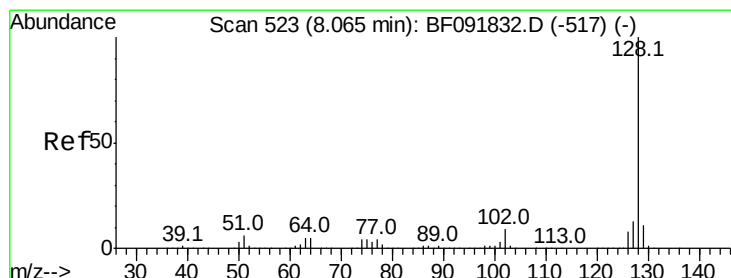
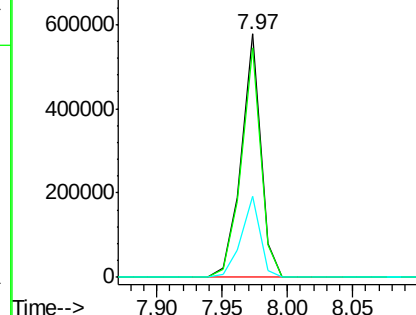
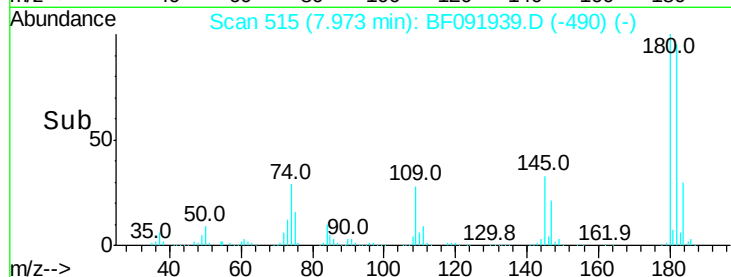
#30
 1,2,4-Trichlorobenzene
 Concen: 49.13 ng
 RT: 7.97 min Scan# 515
 Delta R.T. -0.01 min
 Lab File: BF091939.D
 Acq: 23 Dec 2016 22:16

Instrument :
 BNA_F
 ClientSampleId :
 IDW-01-122116MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	78.2	117.4
145	33.4	21.6	32.4#

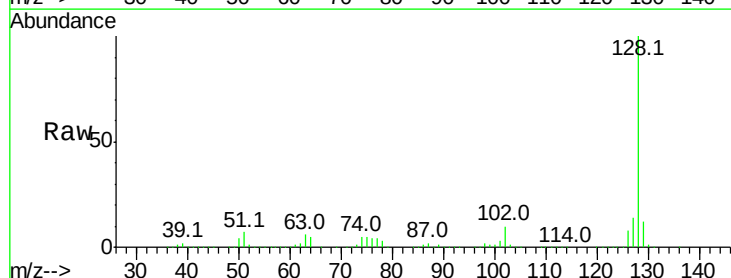


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

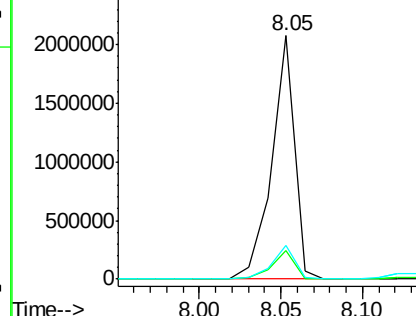
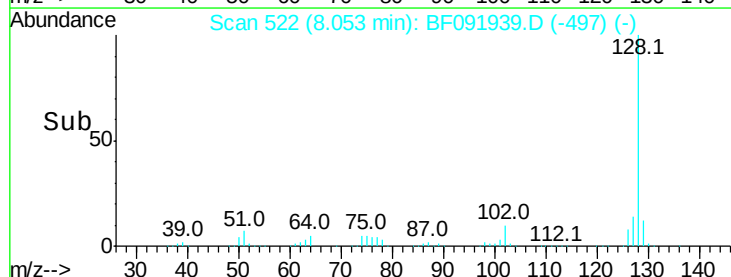


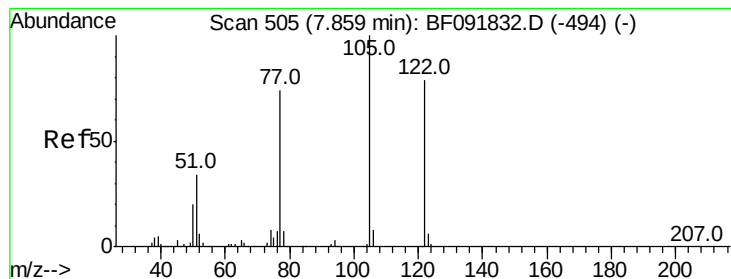
#31
 Naphthalene
 Concen: 52.66 ng
 RT: 8.05 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: BF091939.D
 Acq: 23 Dec 2016 22:16

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.5	14.3
127	13.7	10.8	16.2



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: 45.24 ng

RT: 7.88 min Scan# 507

Delta R.T. 0.02 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

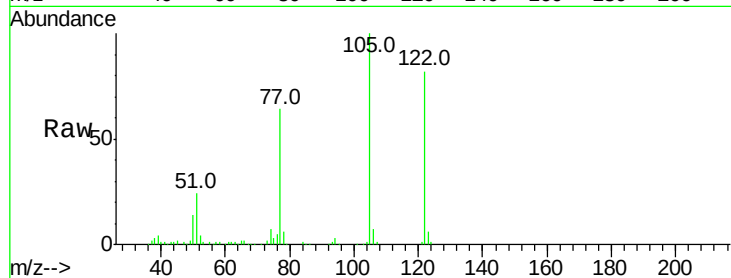
Tot Ion:122 Resp: 440069

Ion Ratio Lower Upper

122 100

105 122.3 107.2 147.2

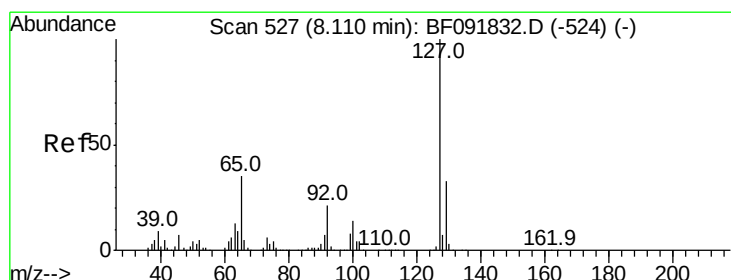
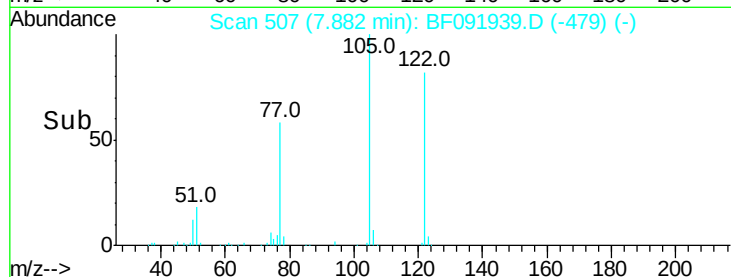
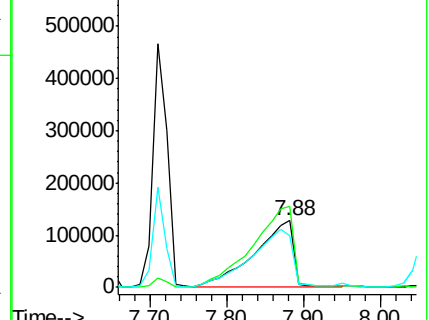
77 78.1 74.5 114.5



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: 6.33 ng

RT: 8.13 min Scan# 529

Delta R.T. 0.02 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Tgt Ion:127 Resp: 109401

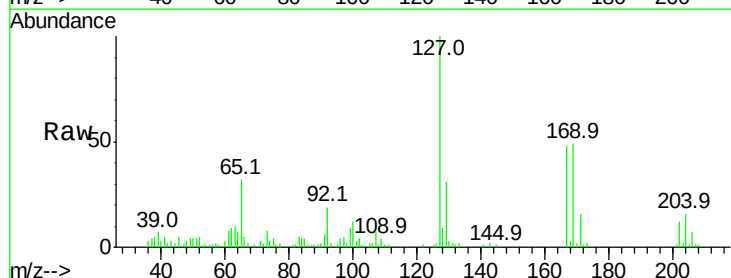
Ion Ratio Lower Upper

127 100

129 30.8 26.3 39.5

65 31.5 25.8 38.8

92 19.1 16.1 24.1

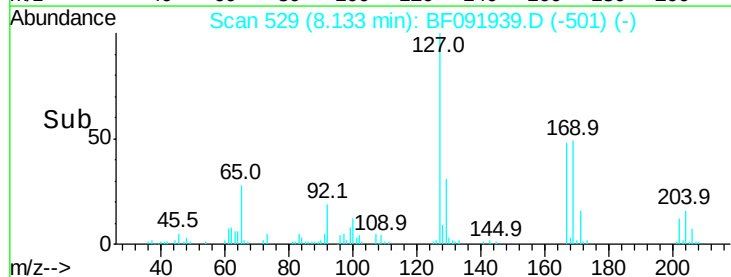
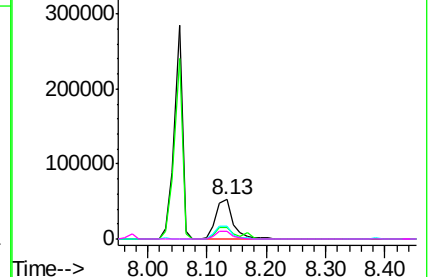


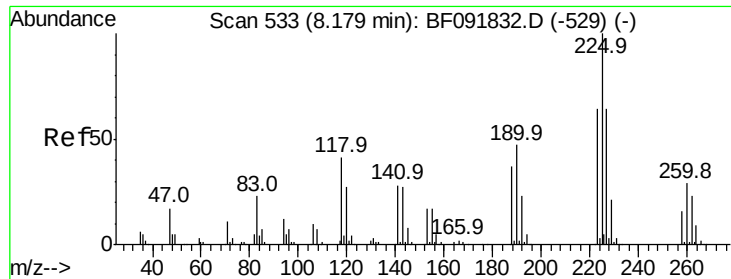
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#34

Hexachlorobutadiene

Concen: 51.42 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

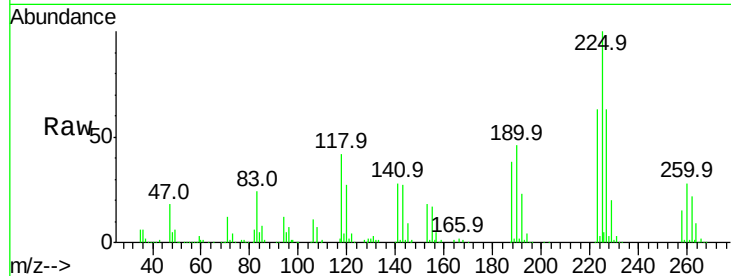
Tot Ion:225 Resp: 330301

Ion Ratio Lower Upper

225 100

223 63.5 51.0 76.6

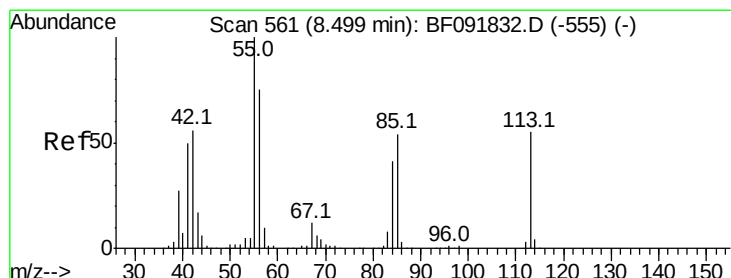
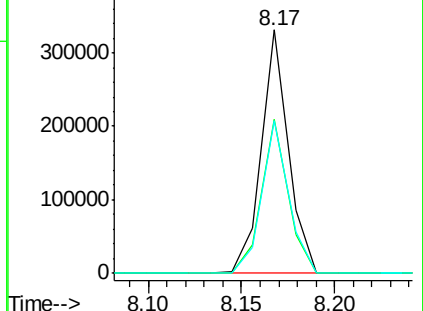
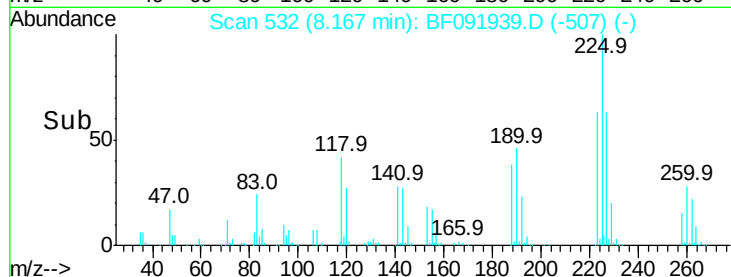
227 62.9 50.6 76.0



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 46.66 ng

RT: 8.50 min Scan# 561

Delta R.T. -0.00 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

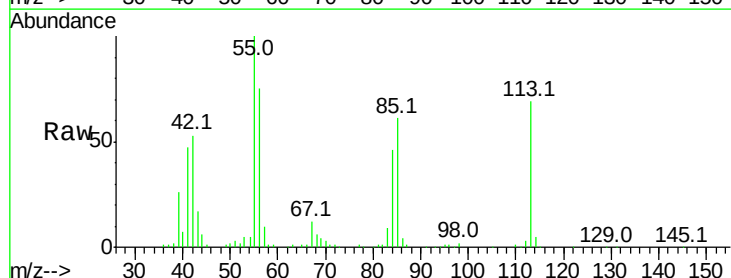
Tgt Ion:113 Resp: 170273

Ion Ratio Lower Upper

113 100

55 144.1 119.2 159.2

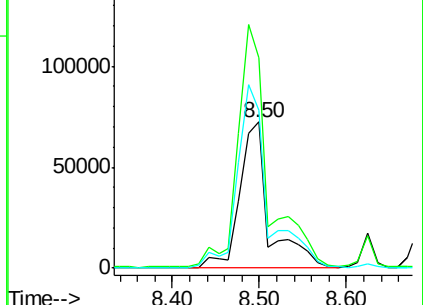
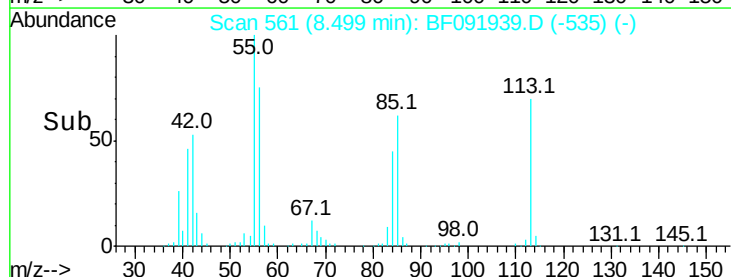
56 108.4 83.8 123.8

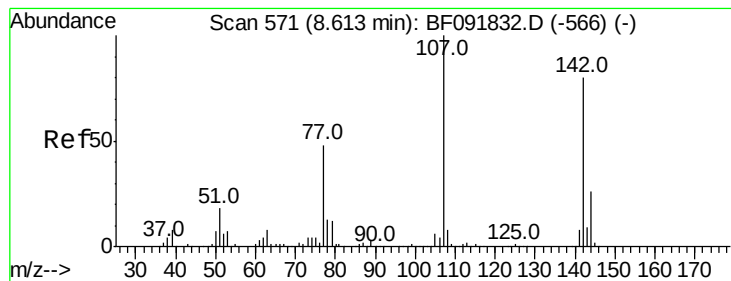


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#36

4-Chloro-3-methylphenol

Concen: 45.39 ng

RT: 8.62 min Scan# 572

Delta R.T. 0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

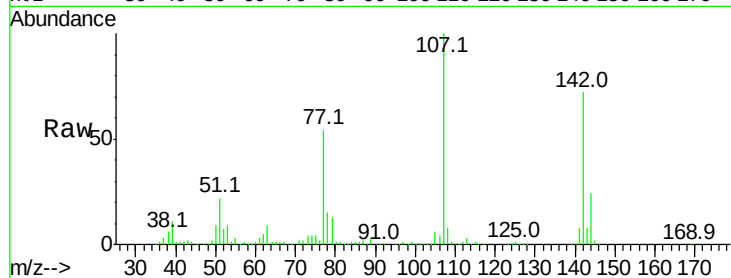
Tot Ion:107 Resp: 580053

Ion Ratio Lower Upper

107 100

144 23.5 19.3 28.9

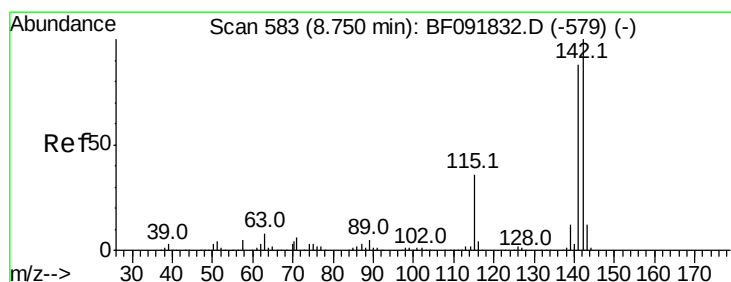
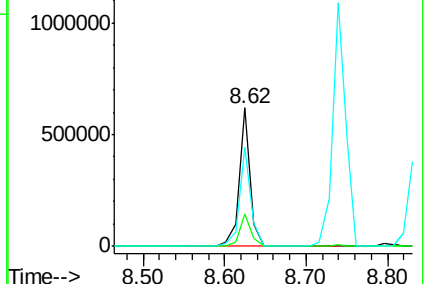
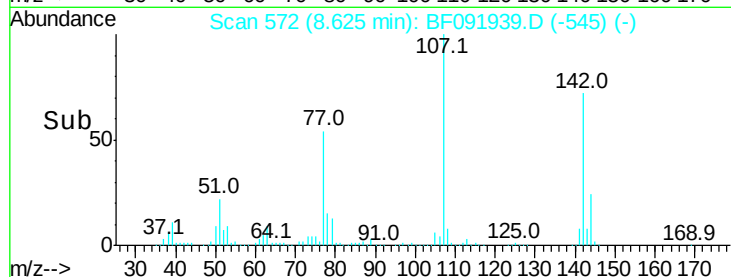
142 71.8 59.0 88.6



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: 60.95 ng

RT: 8.74 min Scan# 582

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

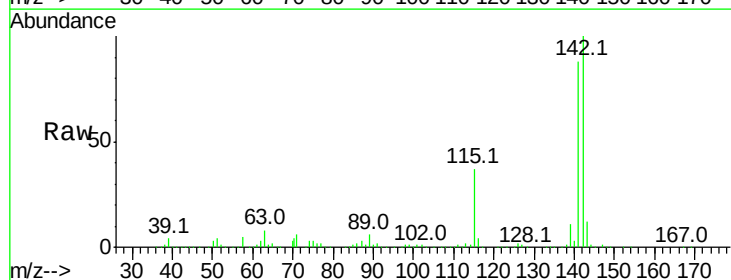
Tgt Ion:142 Resp: 1235443

Ion Ratio Lower Upper

142 100

141 87.5 71.0 106.6

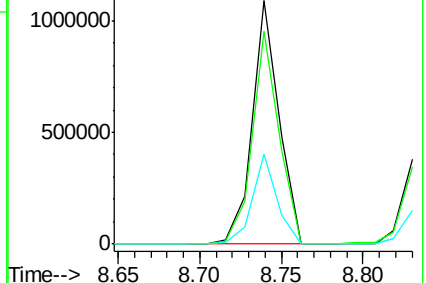
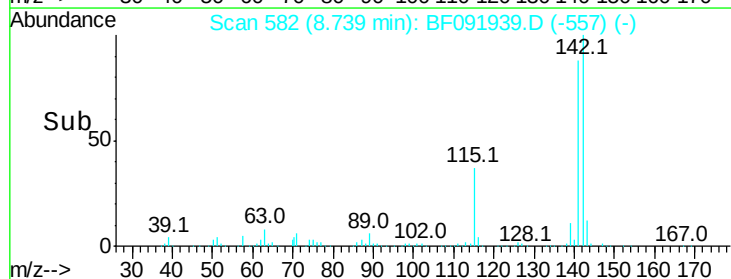
115 37.1 28.3 42.5

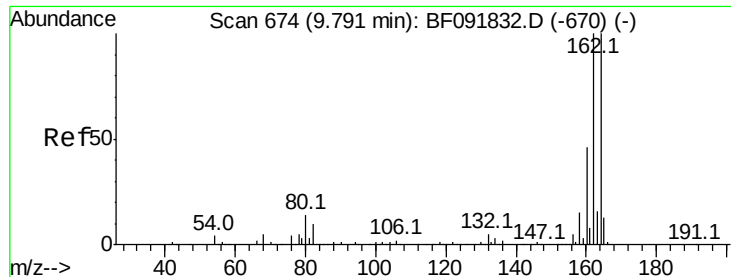


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

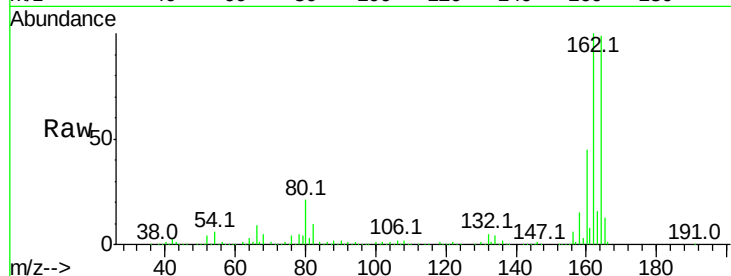
Tot Ion:164 Resp: 405799

Ion Ratio Lower Upper

164 100

162 100.5 80.2 120.2

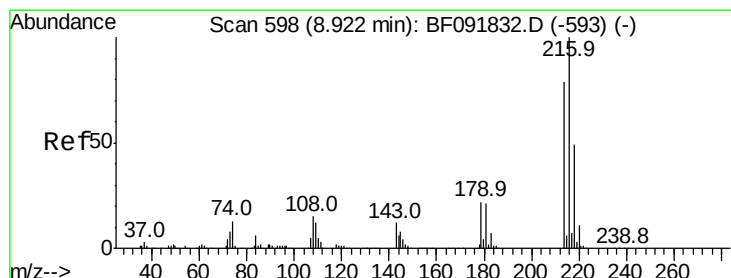
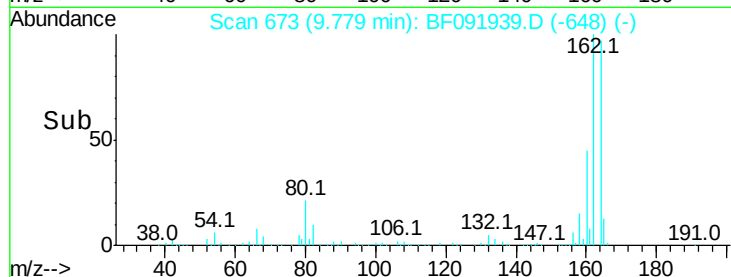
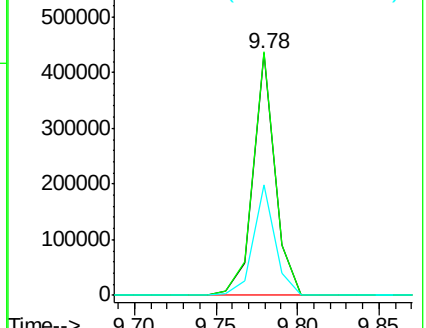
160 45.5 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 54.30 ng

RT: 8.91 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Tgt Ion:216 Resp: 556723

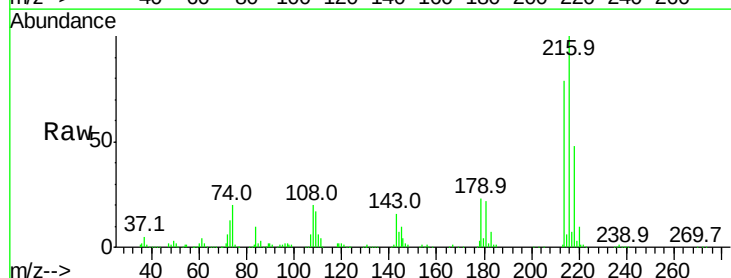
Ion Ratio Lower Upper

216 100

214 79.2 63.4 95.0

179 23.6 17.4 26.2

108 23.1 15.6 23.4

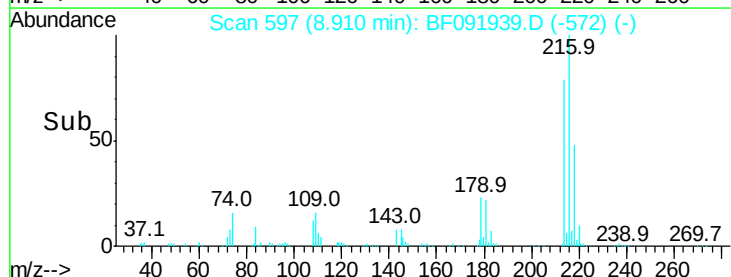
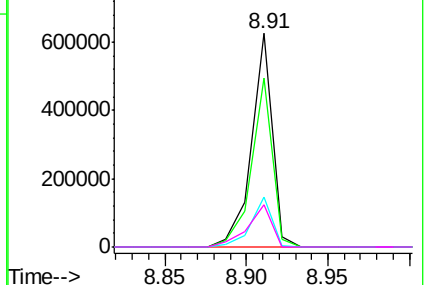


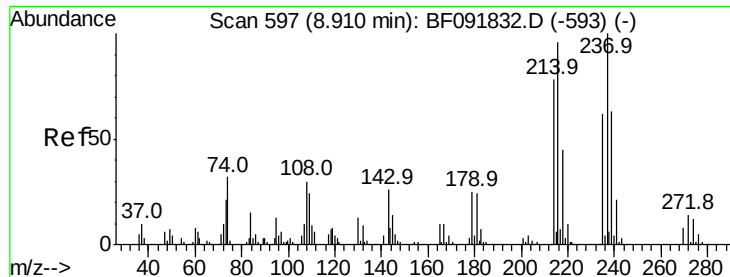
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

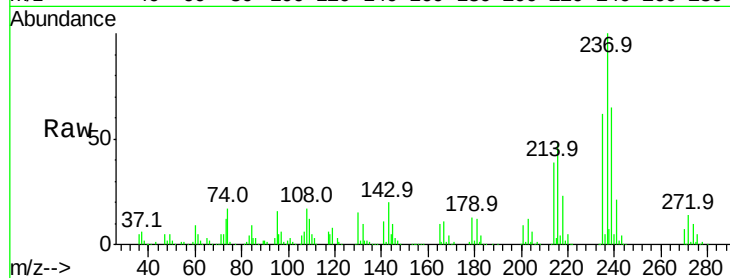




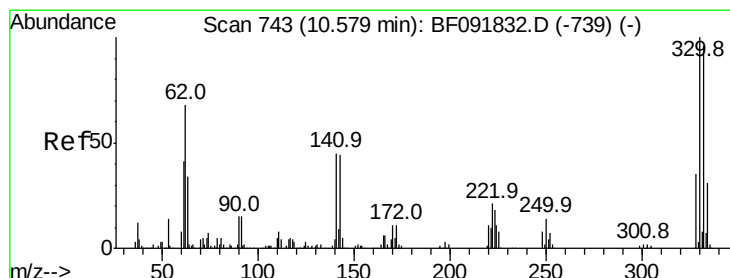
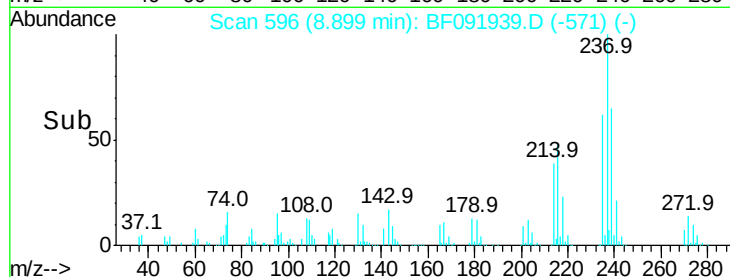
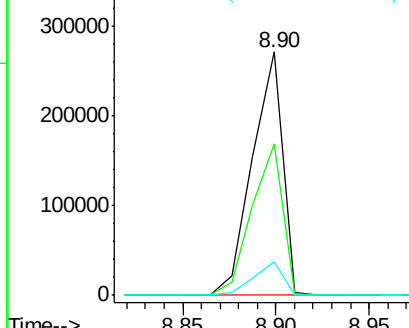
#40
Hexachlorocyclopentadiene
Concen: 68.45 ng
RT: 8.90 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF091939.D
Acq: 23 Dec 2016 22:16

Instrument :
BNA_F
ClientSampleId :
IDW-01-122116MSD

Tot Ion:237 Resp: 309790
Ion Ratio Lower Upper
237 100
235 62.1 41.2 81.2
272 13.9 0.0 35.4

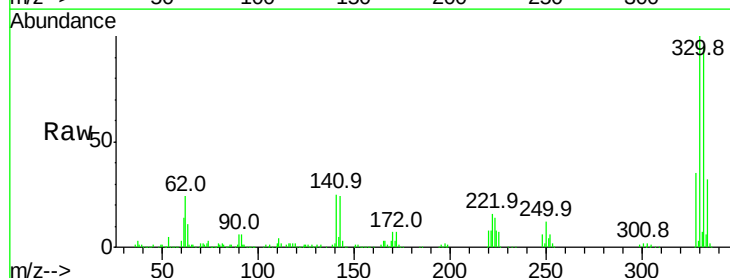


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

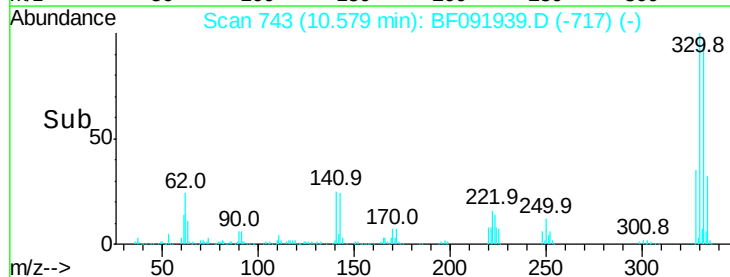
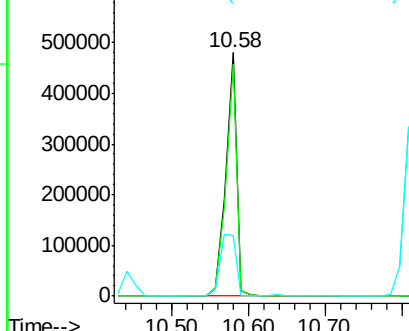


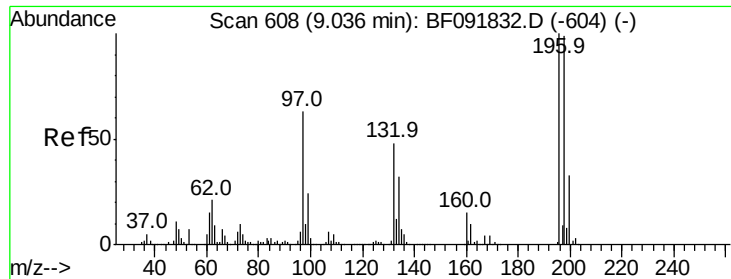
#41
2,4,6-Tribromophenol
Concen: 144.80 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.00 min
Lab File: BF091939.D
Acq: 23 Dec 2016 22:16

Tgt Ion:330 Resp: 486284
Ion Ratio Lower Upper
330 100
332 95.0 77.4 116.2
141 36.8 34.1 51.1



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 51.41 ng

RT: 9.04 min Scan# 608

Delta R.T. -0.00 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

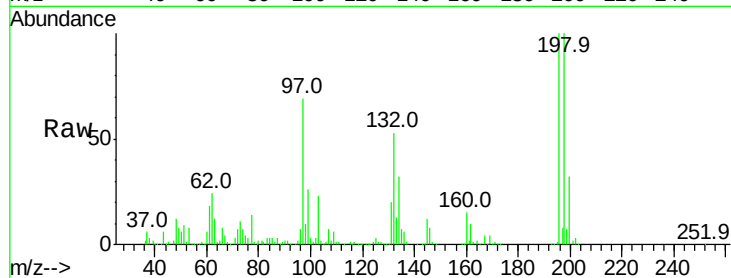
Tot Ion:196 Resp: 368613

Ion Ratio Lower Upper

196 100

198 100.1 82.1 123.1

200 32.0 27.0 40.4

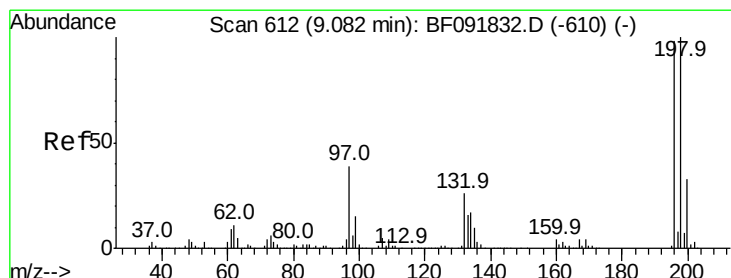
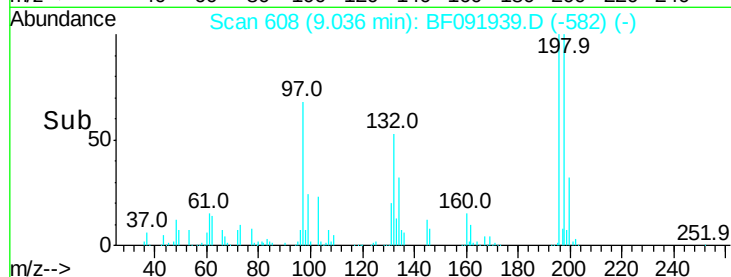
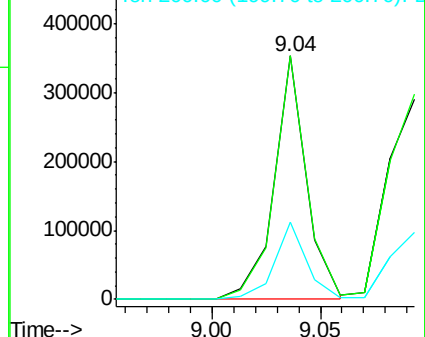


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 48.19 ng

RT: 9.09 min Scan# 613

Delta R.T. 0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Tgt Ion:196 Resp: 355617

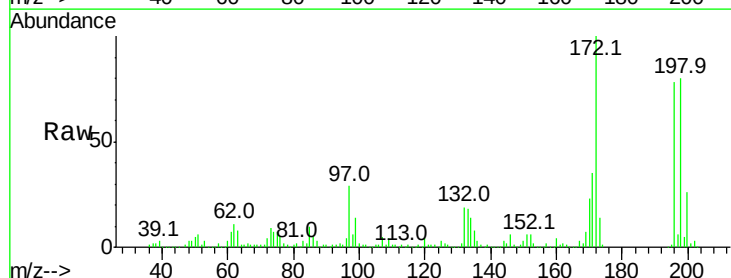
Ion Ratio Lower Upper

196 100

198 102.8 79.4 119.2

97 37.5 51.5 77.3#

132 24.9 27.4 41.2#



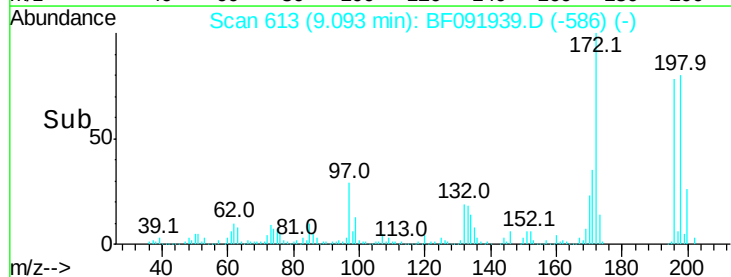
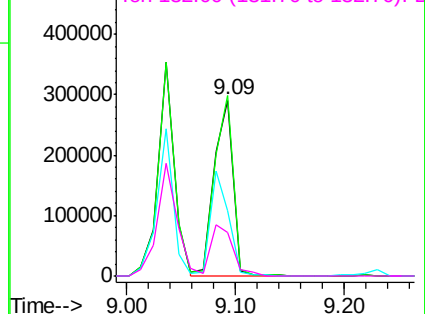
Abundance

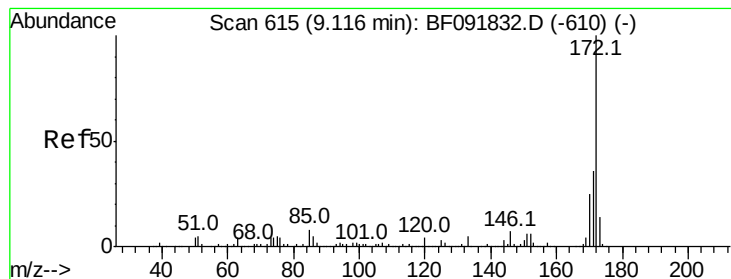
Ion 196.00 (195.70 to 196.70): E

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: 124.28 ng

RT: 9.10 min Scan# 614

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

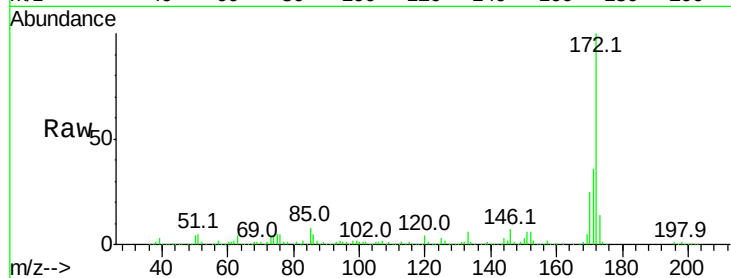
Tot Ion:172 Resp: 2343285

Ion Ratio Lower Upper

172 100

171 36.0 29.4 44.0

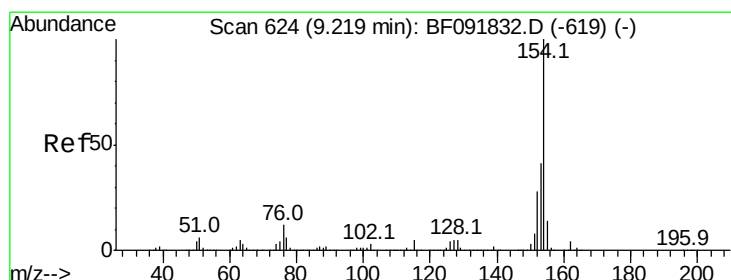
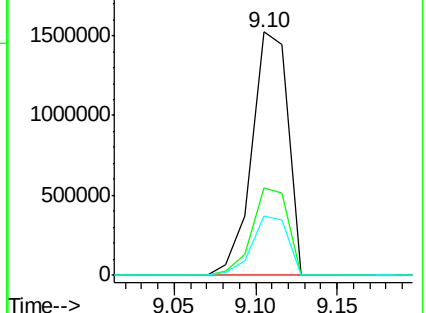
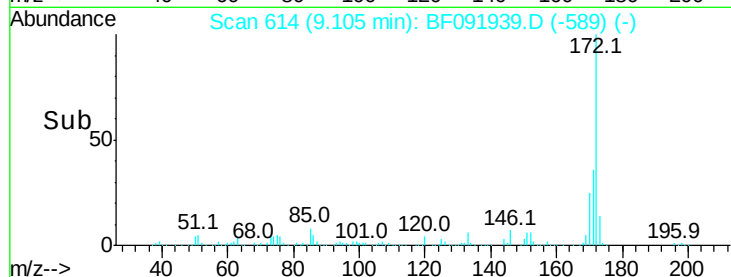
170 24.5 20.2 30.4



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: 52.05 ng

RT: 9.21 min Scan# 623

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

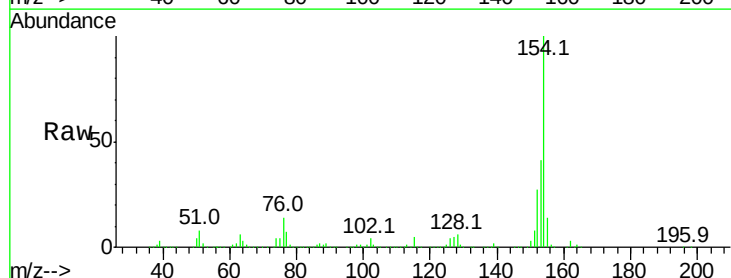
Tgt Ion:154 Resp: 1446231

Ion Ratio Lower Upper

154 100

153 40.6 20.9 60.9

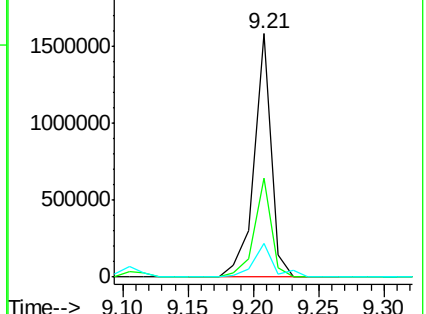
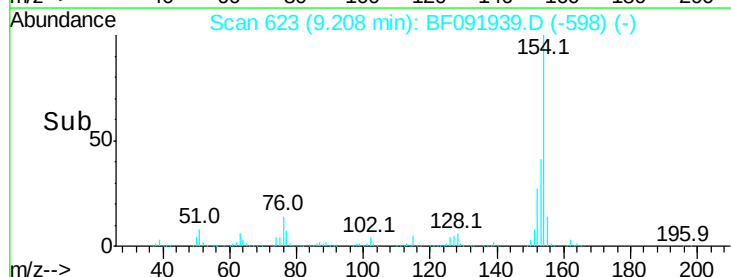
76 14.0 0.0 30.5

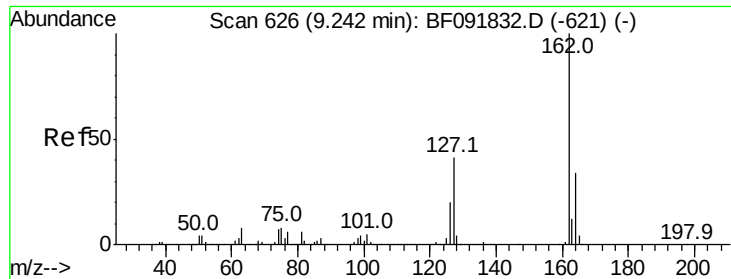


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

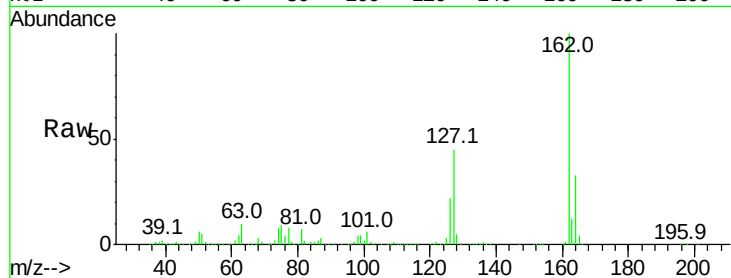




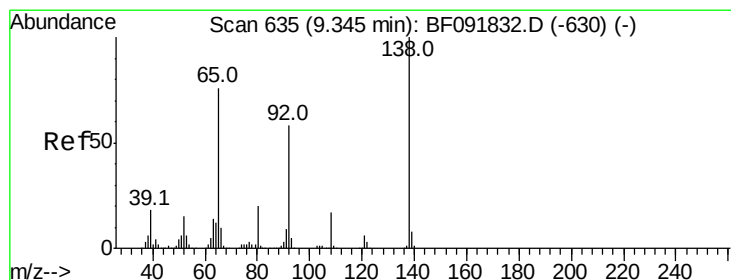
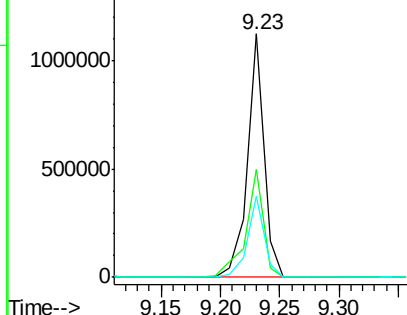
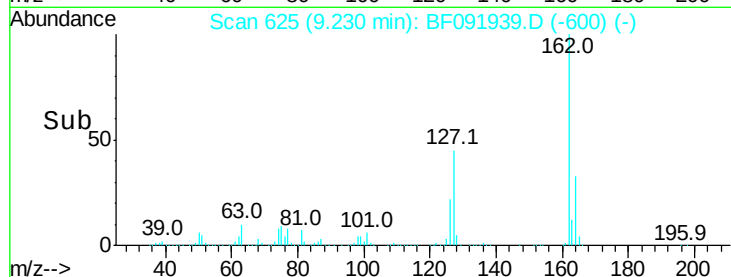
#46
2-Chloronaphthalene
Concen: 49.90 ng
RT: 9.23 min Scan# 625
Delta R.T. -0.01 min
Lab File: BF091939.D
Acq: 23 Dec 2016 22:16

Instrument :
BNA_F
ClientSampleId :
IDW-01-122116MSD

Tot Ion:162 Resp: 1098092
Ion Ratio Lower Upper
162 100
127 44.6 30.7 46.1
164 33.2 27.6 41.4

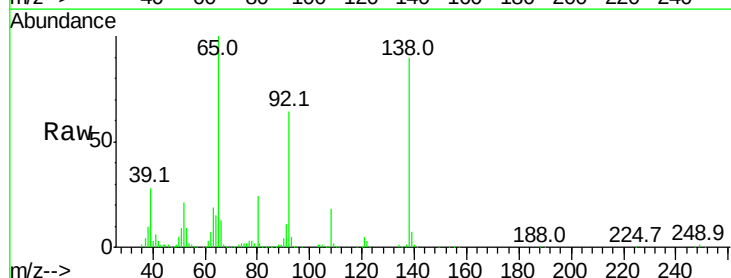


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

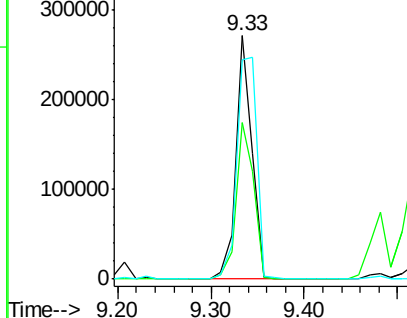
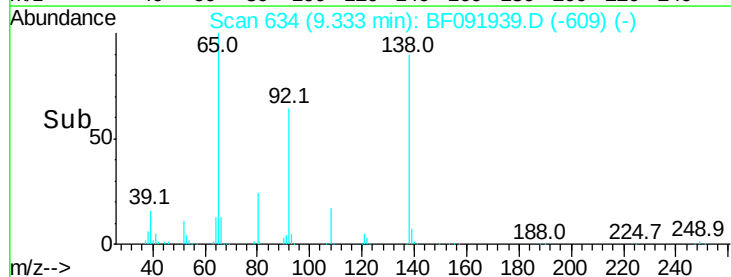


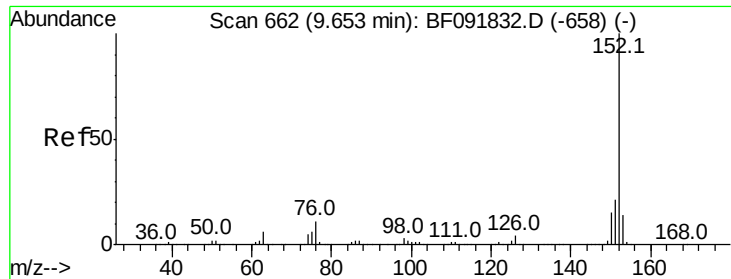
#47
2-Nitroaniline
Concen: 41.57 ng
RT: 9.33 min Scan# 634
Delta R.T. -0.01 min
Lab File: BF091939.D
Acq: 23 Dec 2016 22:16

Tgt Ion: 65 Resp: 325697
Ion Ratio Lower Upper
65 100
92 64.3 53.9 80.9
138 90.2 76.8 115.2



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 46.08 ng

RT: 9.64 min Scan# 661

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

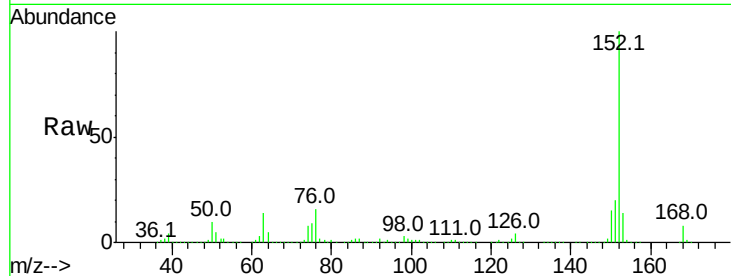
Tot Ion:152 Resp: 1559517

Ion Ratio Lower Upper

152 100

151 20.5 16.9 25.3

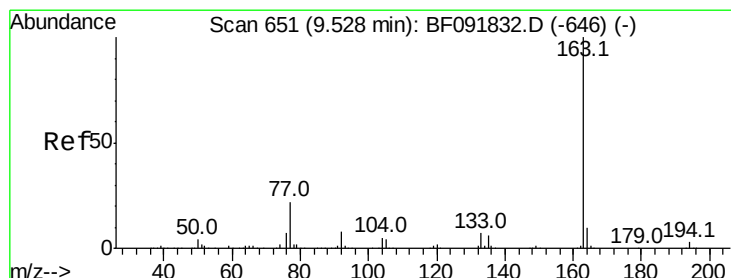
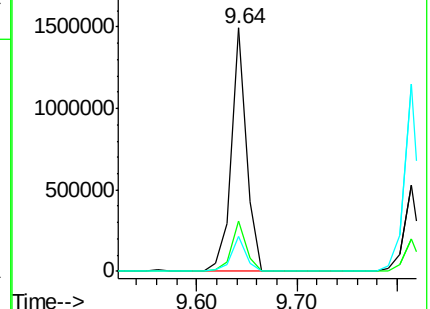
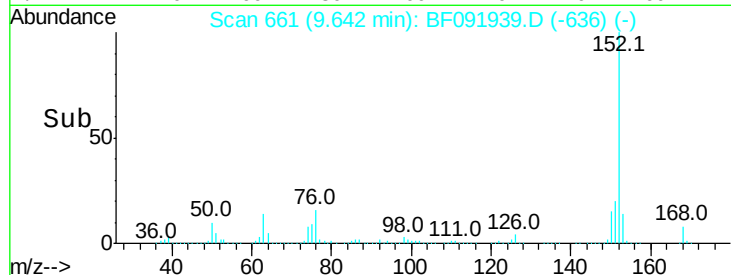
153 14.4 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 52.45 ng

RT: 9.52 min Scan# 650

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

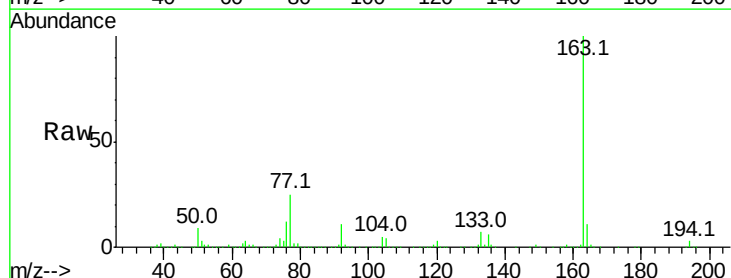
Tgt Ion:163 Resp: 1361182

Ion Ratio Lower Upper

163 100

194 3.3 3.0 4.4

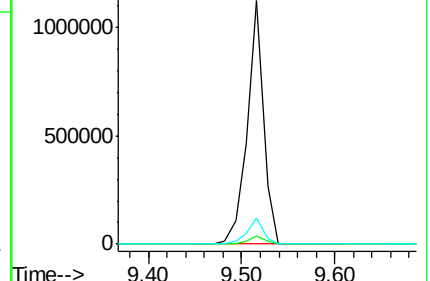
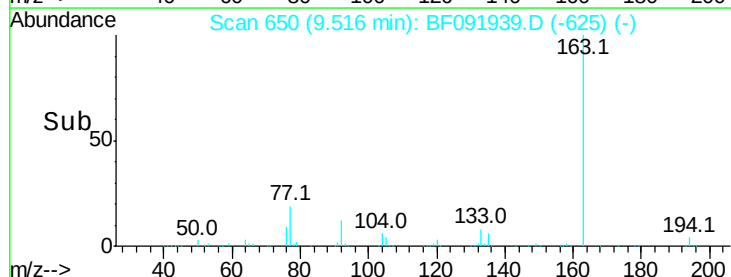
164 10.5 8.0 12.0

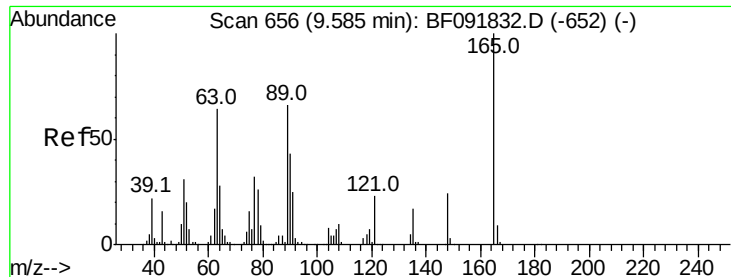


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

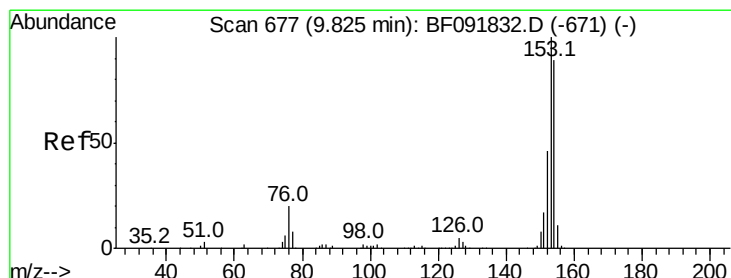
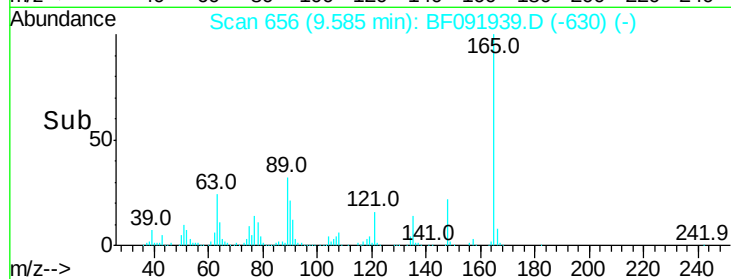
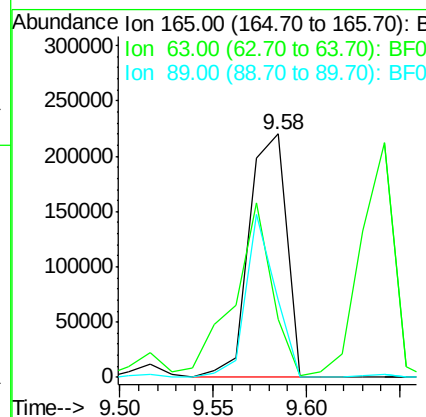
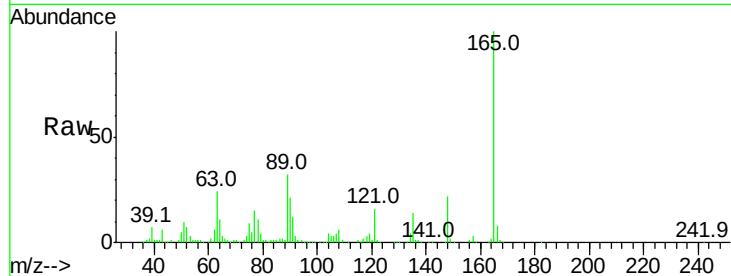




#50
 2,6-Dinitrotoluene
 Concen: 53.58 ng
 RT: 9.58 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: BF091939.D
 Acq: 23 Dec 2016 22:16

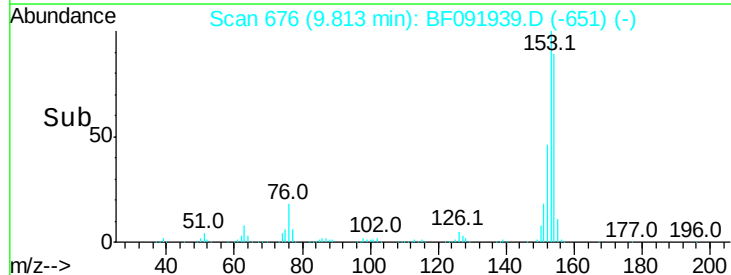
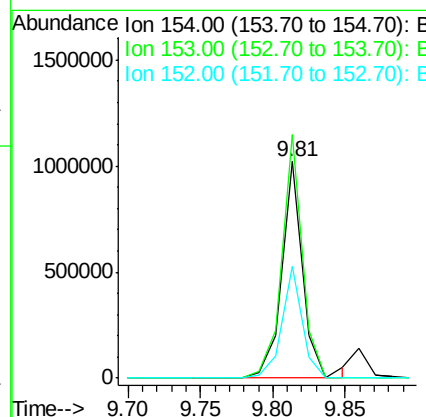
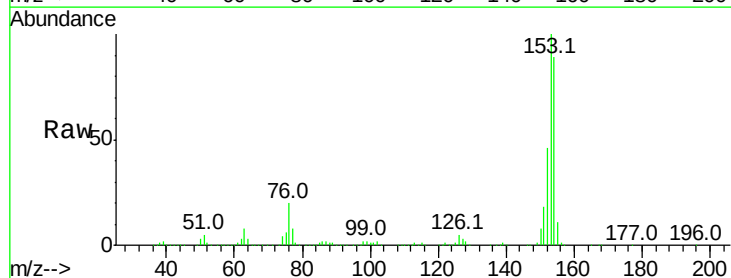
Instrument :
 BNA_F
 ClientSampleId :
 IDW-01-122116MSD

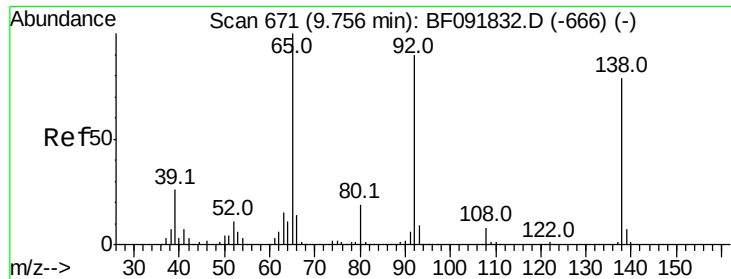
Tot Ion:165 Resp: 304350
 Ion Ratio Lower Upper
 165 100
 63 24.0 36.2 54.4#
 89 31.9 40.2 60.4#



#51
 Acenaphthene
 Concen: 44.96 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF091939.D
 Acq: 23 Dec 2016 22:16

Tgt Ion:154 Resp: 1031511
 Ion Ratio Lower Upper
 154 100
 153 112.6 88.6 133.0
 152 51.9 41.6 62.4





#52

3-Nitroaniline

Concen: 13.53 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

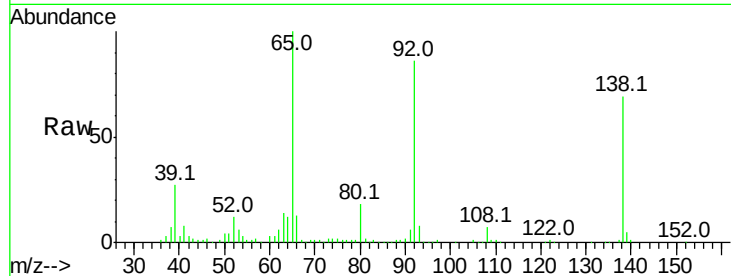
Tot Ion:138 Resp: 95126

Ion Ratio Lower Upper

138 100

108 10.7 8.5 12.7

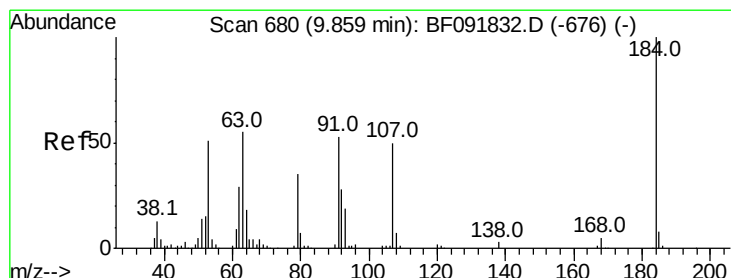
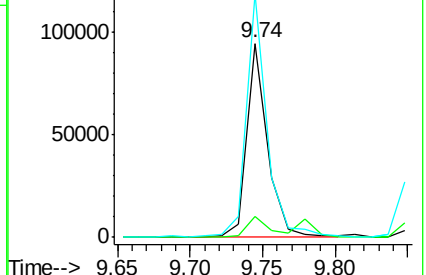
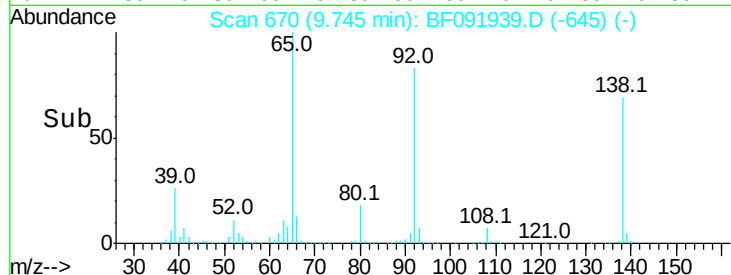
92 125.3 97.8 146.8



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): E



#53

2,4-Dinitrophenol

Concen: 70.75 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.00 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

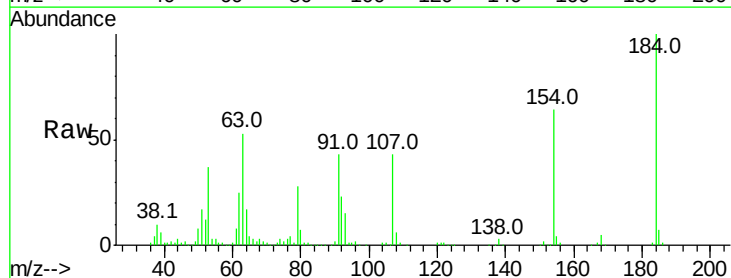
Tgt Ion:184 Resp: 223619

Ion Ratio Lower Upper

184 100

63 52.6 28.4 42.6#

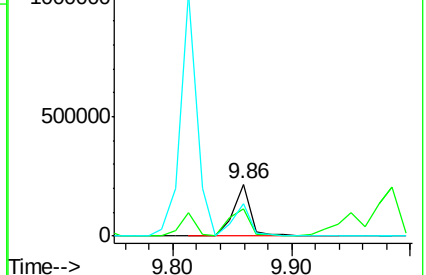
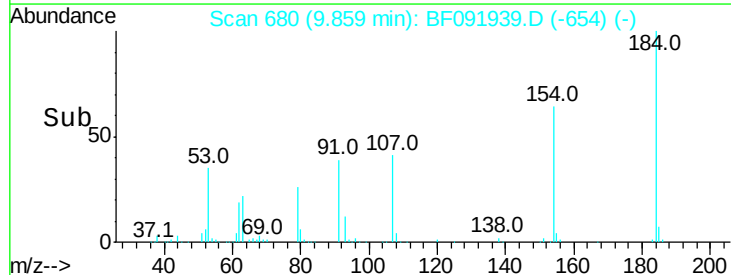
154 63.9 44.3 66.5

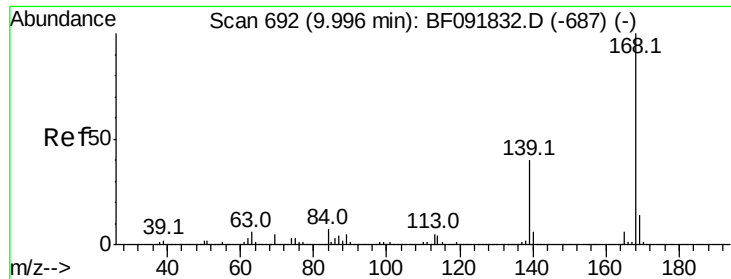


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

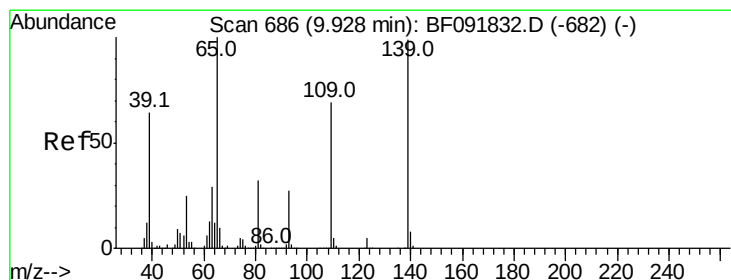
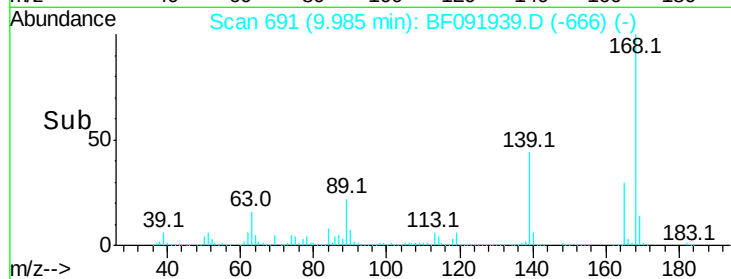
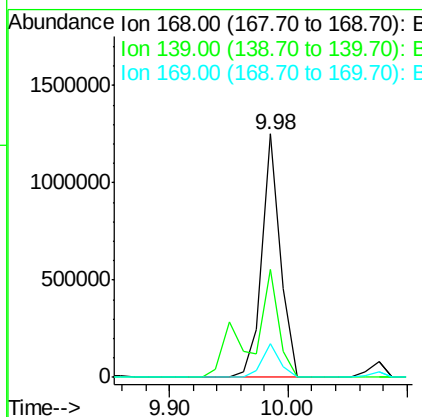
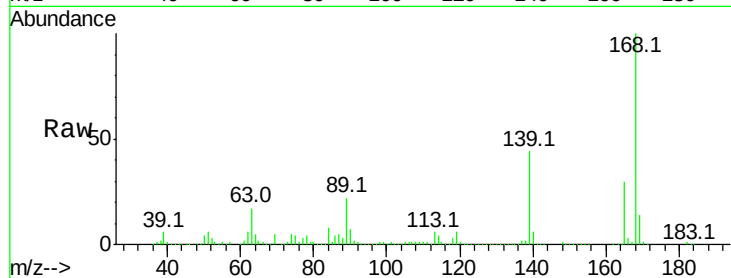




#54
Dibenzofuran
Concen: 44.04 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF091939.D
Acq: 23 Dec 2016 22:16

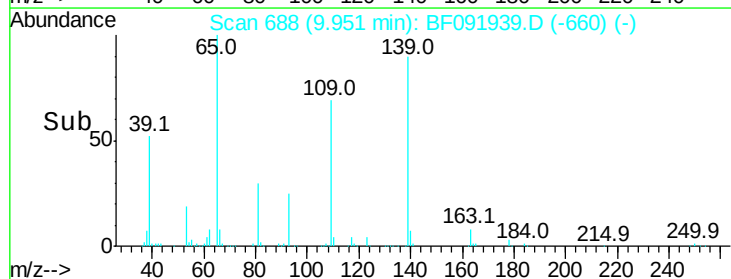
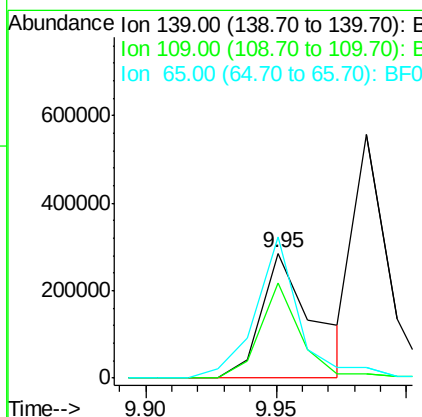
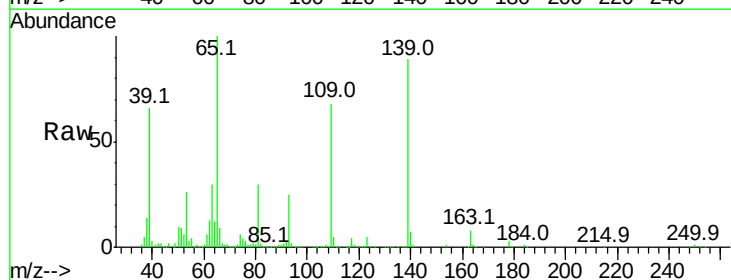
Instrument :
BNA_F
ClientSampleId :
IDW-01-122116MSD

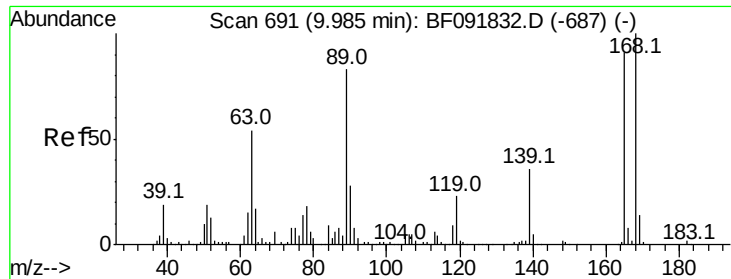
Tot Ion:168 Resp: 1364381
Ion Ratio Lower Upper
168 100
139 44.5 32.6 49.0
169 14.1 11.3 16.9



#55
4-Nitrophenol
Concen: 83.86 ng m
RT: 9.95 min Scan# 688
Delta R.T. 0.02 min
Lab File: BF091939.D
Acq: 23 Dec 2016 22:16

Tgt Ion:139 Resp: 400297
Ion Ratio Lower Upper
139 100
109 76.3 52.2 92.2
65 112.8 85.8 125.8

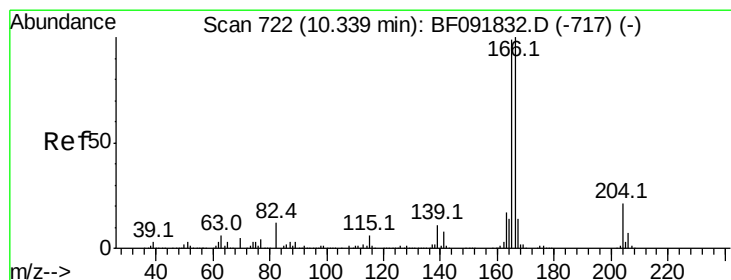
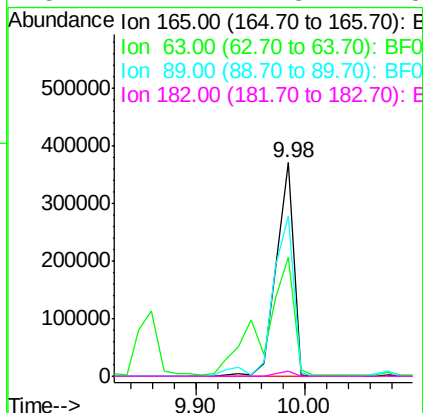
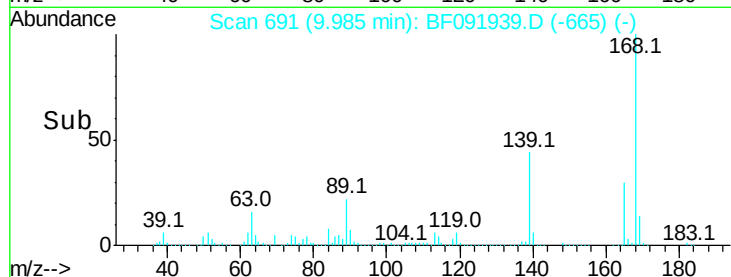
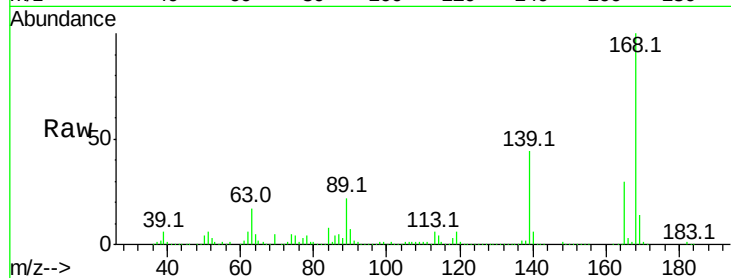




#56
2,4-Dinitrotoluene
Concen: 56.84 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.00 min
Lab File: BF091939.D
Acq: 23 Dec 2016 22:16

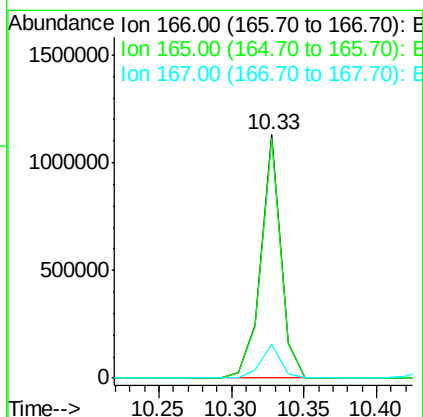
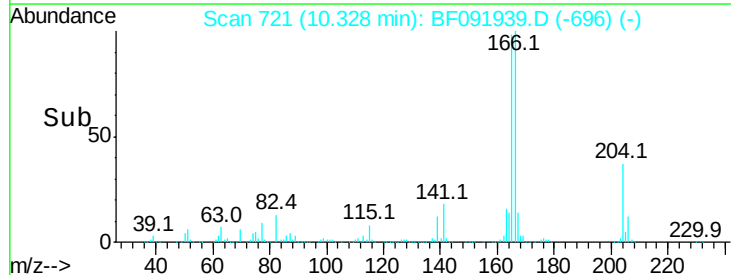
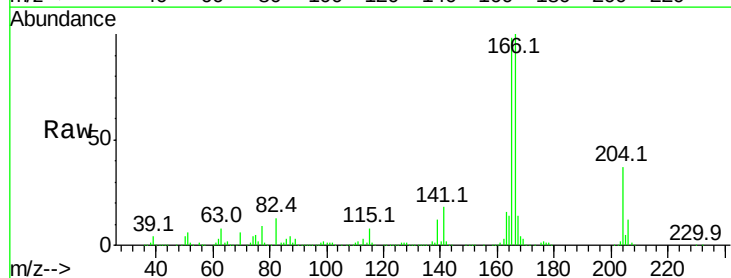
Instrument :
BNA_F
ClientSampleId :
IDW-01-122116MSD

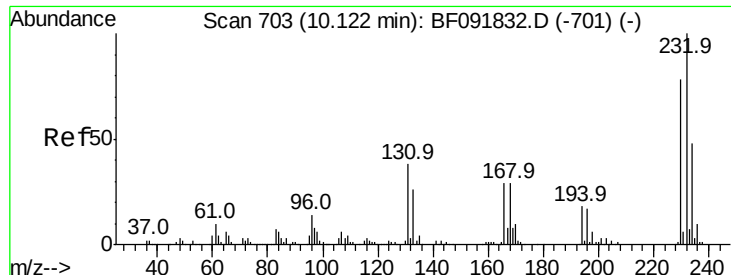
Tot Ion:165 Resp: 405257
Ion Ratio Lower Upper
165 100
63 55.8 40.2 60.4
89 74.7 62.5 93.7
182 2.1 1.8 2.8



#57
Fluorene
Concen: 47.67 ng
RT: 10.33 min Scan# 721
Delta R.T. -0.01 min
Lab File: BF091939.D
Acq: 23 Dec 2016 22:16

Tgt Ion:166 Resp: 1074565
Ion Ratio Lower Upper
166 100
165 98.3 77.8 116.8
167 13.8 10.8 16.2

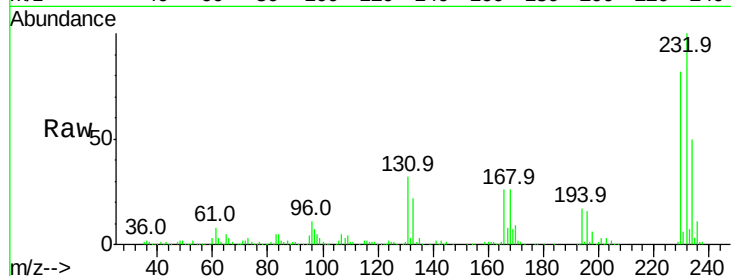




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 49.78 ng
 RT: 10.12 min Scan# 703
 Delta R.T. -0.00 min
 Lab File: BF091939.D
 Acq: 23 Dec 2016 22:16

Instrument :
 BNA_F
 ClientSampleId :
 IDW-01-122116MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	49.5	40.1	60.1
130	2.3	1.8	2.8
166	32.7	26.6	39.8

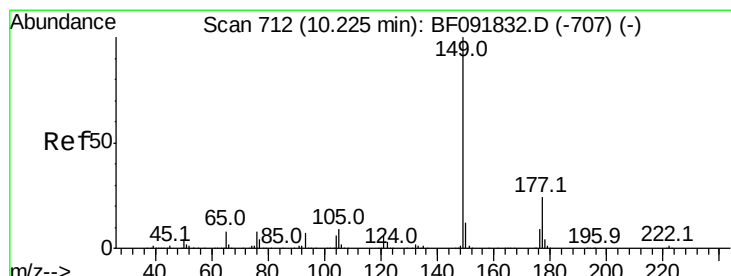
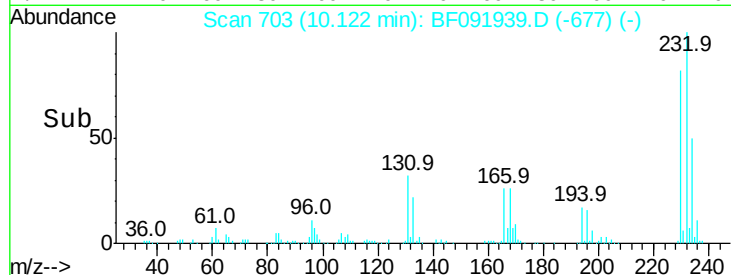
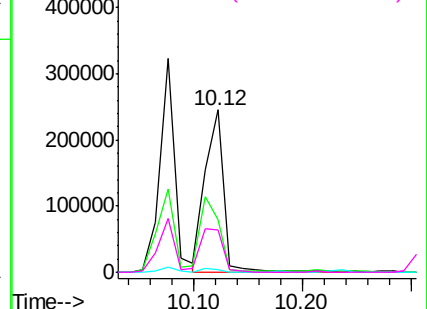


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

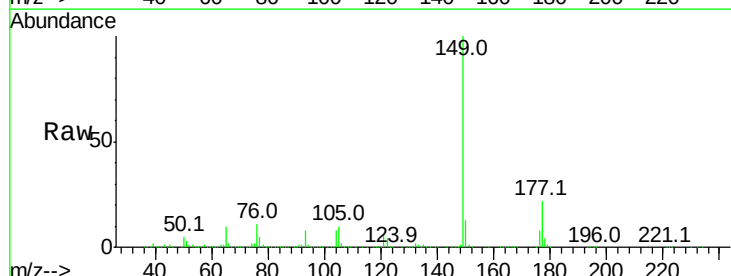
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#59
 Diethylphthalate
 Concen: 53.61 ng
 RT: 10.21 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: BF091939.D
 Acq: 23 Dec 2016 22:16

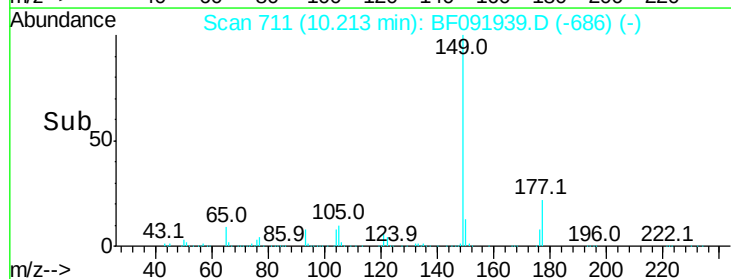
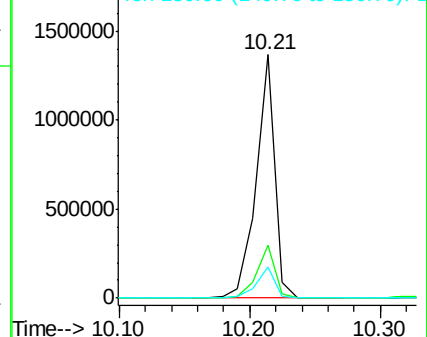
Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.9	16.6	25.0
150	12.8	10.4	15.6

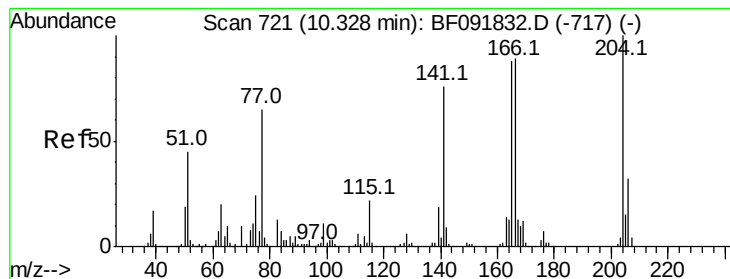


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#60

4-Chlorophenyl-phenylether

Concen: 53.66 ng

RT: 10.33 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

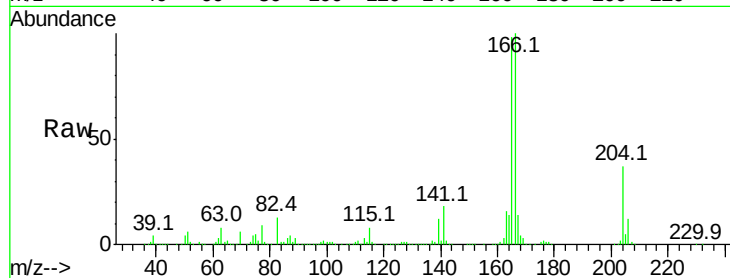
Tot Ion:204 Resp: 529669

Ion Ratio Lower Upper

204 100

206 33.4 25.8 38.6

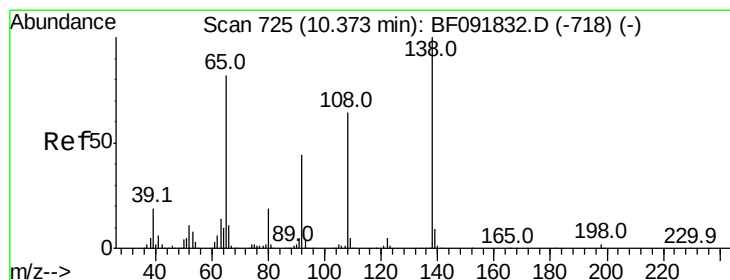
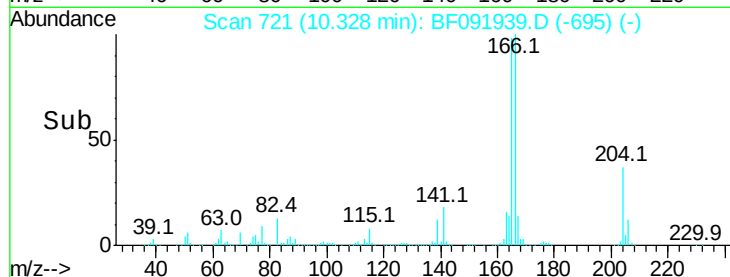
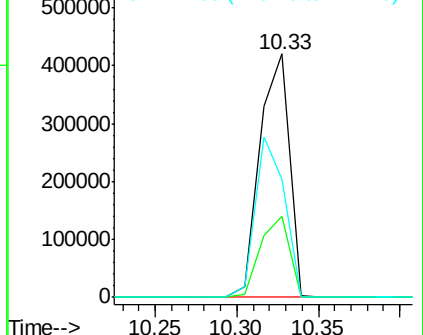
141 48.4 59.4 89.0#



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#61

4-Nitroaniline

Concen: 27.30 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

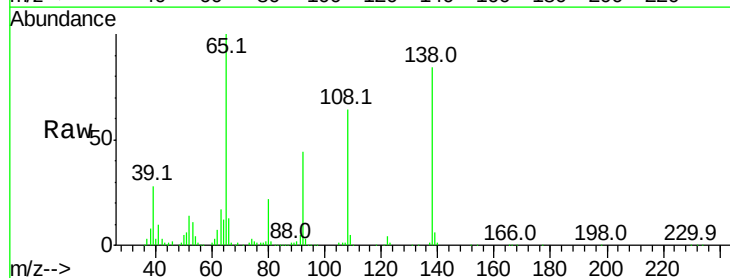
Tgt Ion:138 Resp: 198853

Ion Ratio Lower Upper

138 100

92 52.6 31.7 71.7

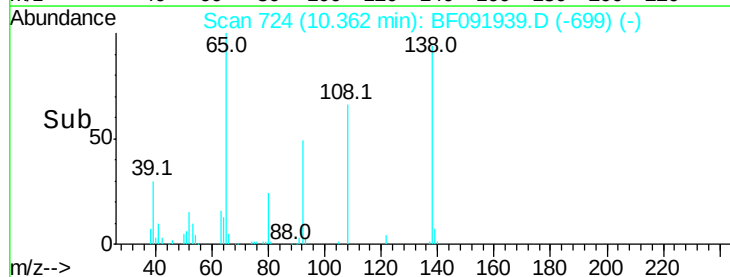
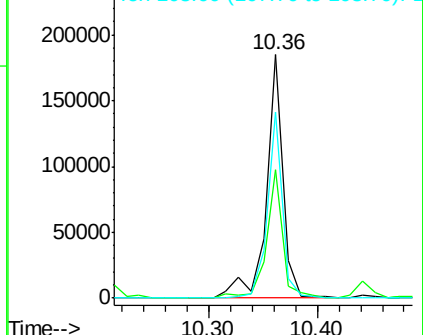
108 76.4 52.6 92.6

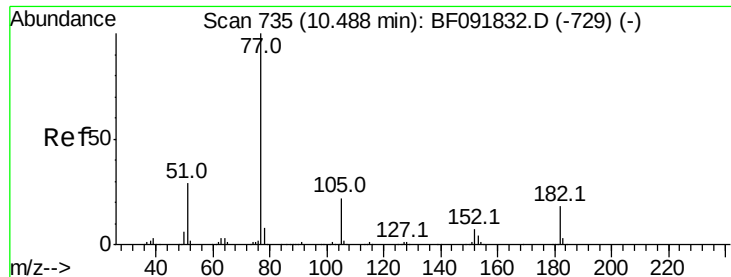


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 50.26 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

Tot Ion: 77 Resp: 1394901

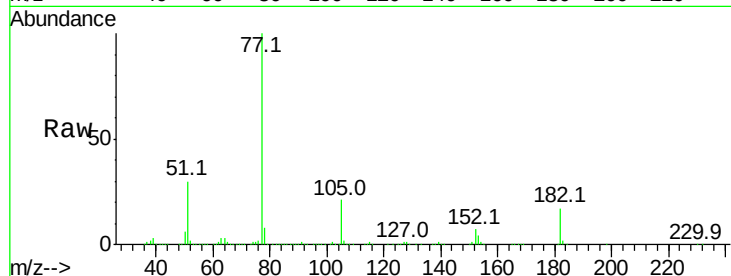
Ion Ratio Lower Upper

77 100

182 16.9 0.0 39.3

105 21.4 2.3 42.3

51 29.9 8.9 48.9

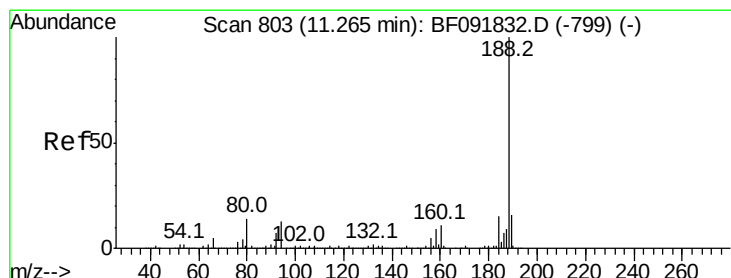
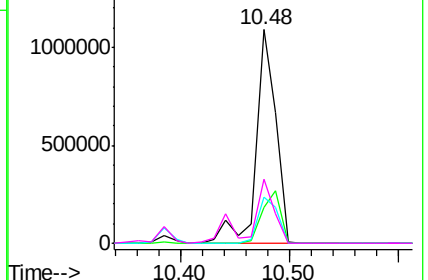
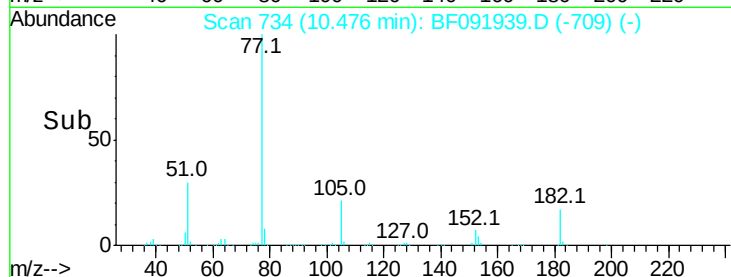


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

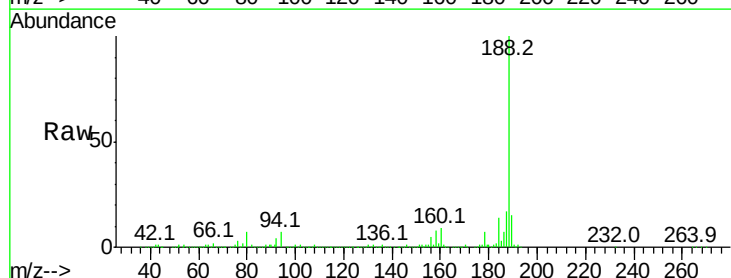
Tgt Ion: 188 Resp: 581787

Ion Ratio Lower Upper

188 100

94 6.8 10.0 15.0#

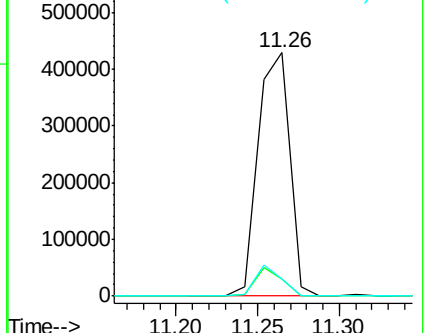
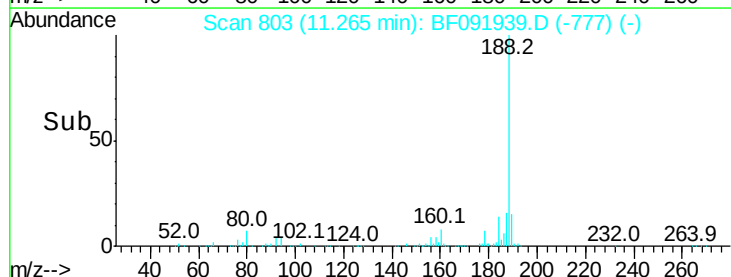
80 7.2 11.2 16.8#

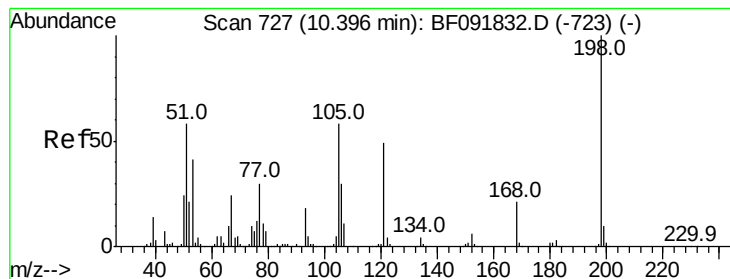


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 42.31 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

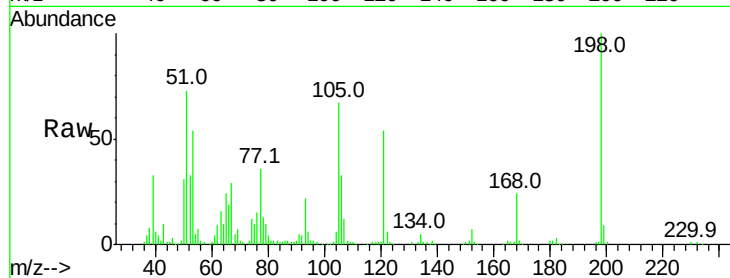
Tot Ion:198 Resp: 148846

Ion Ratio Lower Upper

198 100

51 72.7 6.7 46.7#

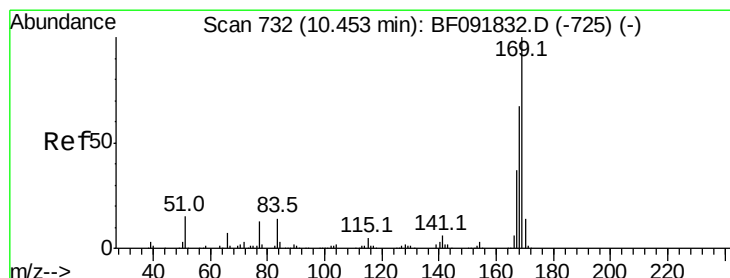
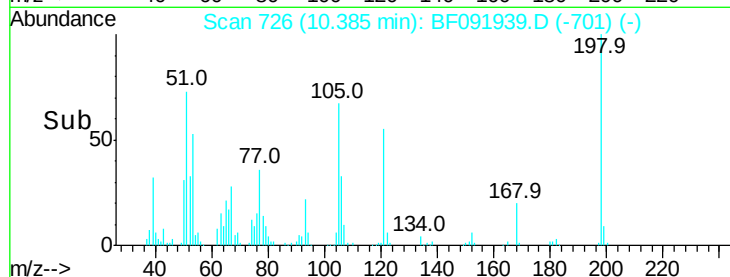
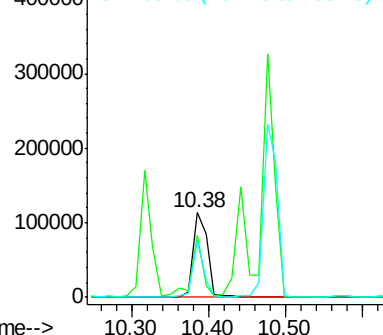
105 66.9 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 56.67 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

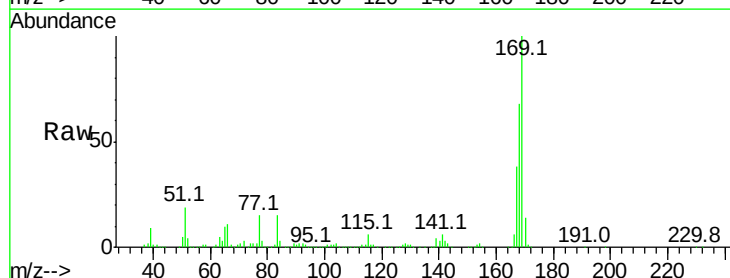
Tgt Ion:169 Resp: 978384

Ion Ratio Lower Upper

169 100

168 68.0 54.2 81.2

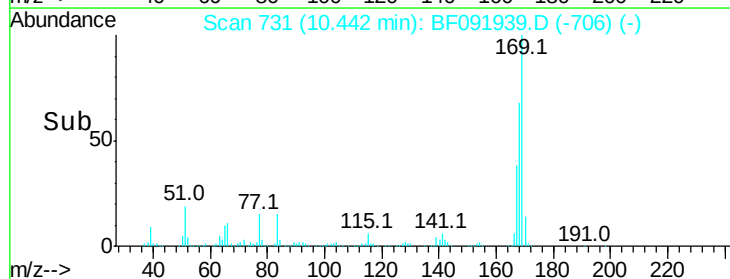
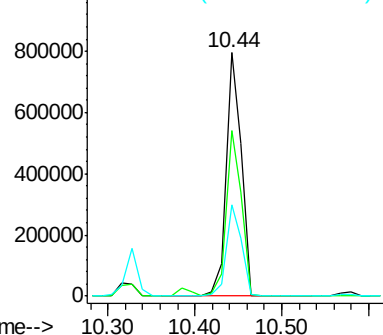
167 37.7 30.2 45.4

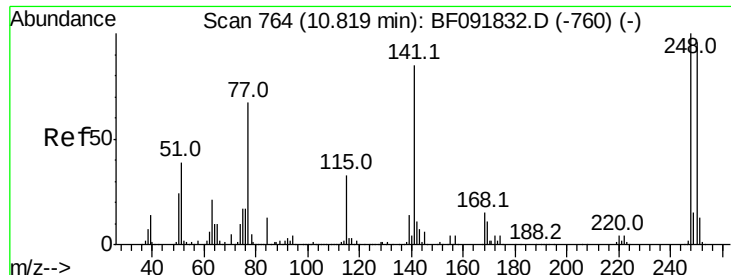


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

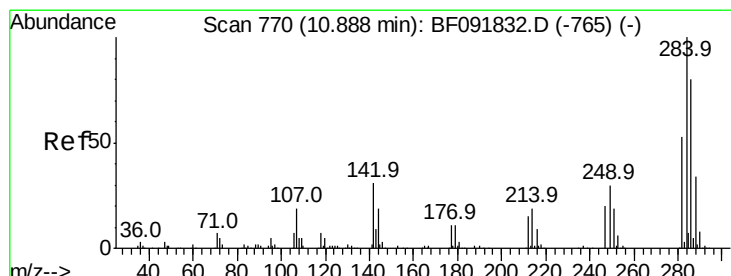
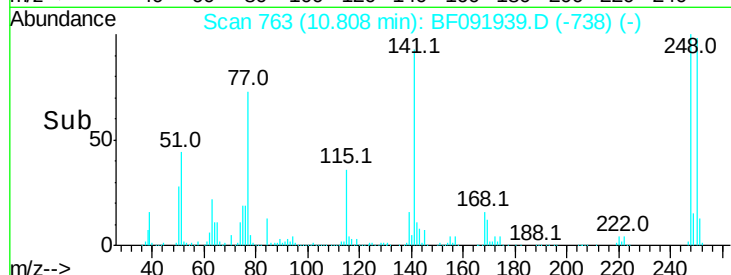
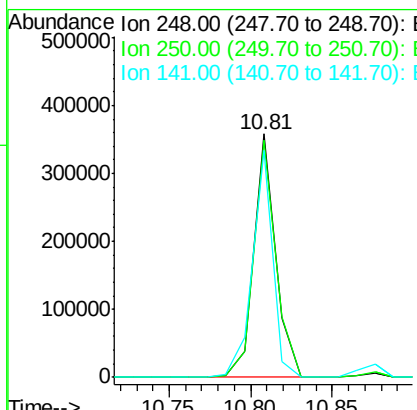
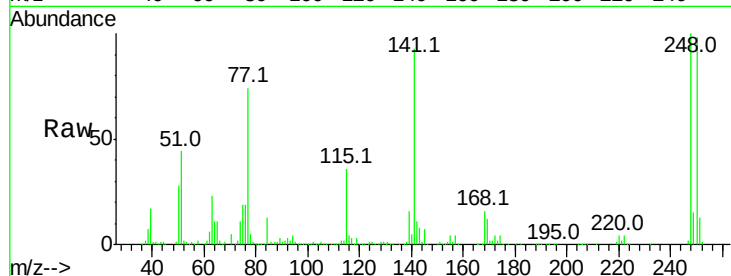




#66
 4-Bromophenyl-phenylether
 Concen: 55.40 ng
 RT: 10.81 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BF091939.D
 Acq: 23 Dec 2016 22:16

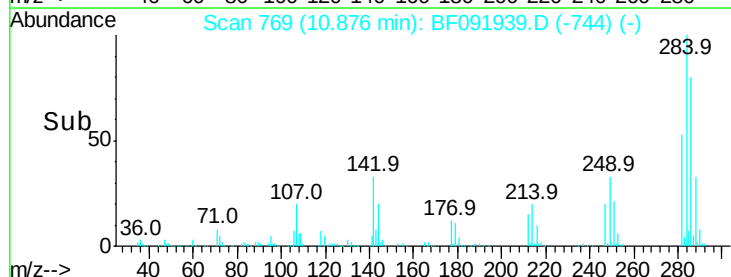
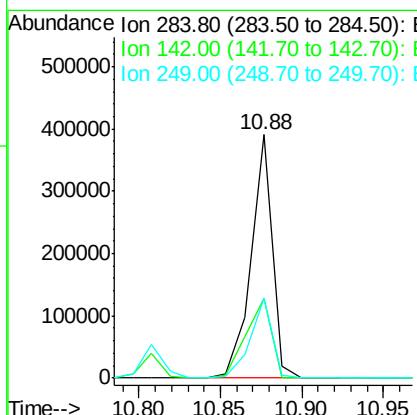
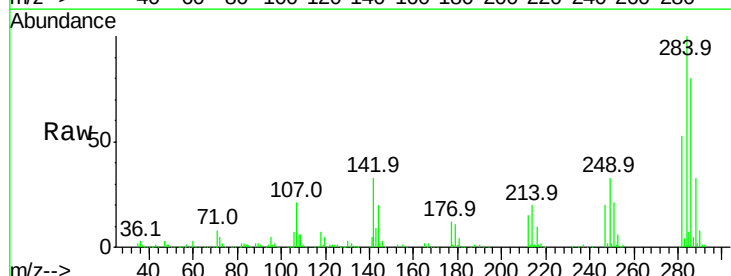
Instrument :
 BNA_F
 ClientSampleId :
 IDW-01-122116MSD

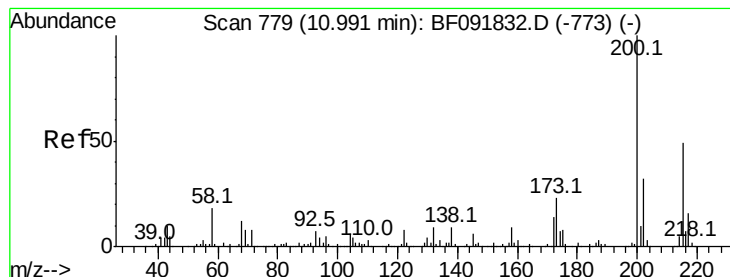
Tot Ion	Ratio	Lower	Upper
248	100		
250	97.5	76.9	115.3
141	93.0	68.2	102.4



#67
 Hexachlorobenzene
 Concen: 54.58 ng
 RT: 10.88 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: BF091939.D
 Acq: 23 Dec 2016 22:16

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.0	22.6	33.8
249	32.6	25.4	38.0





#68

Atrazine

Concen: 35.00 ng

RT: 10.98 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

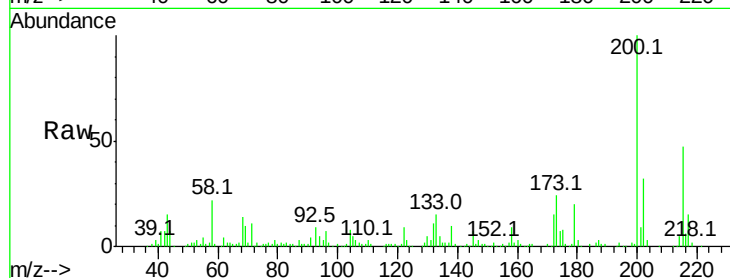
Tot Ion:200 Resp: 194924

Ion Ratio Lower Upper

200 100

173 23.9 9.6 49.6

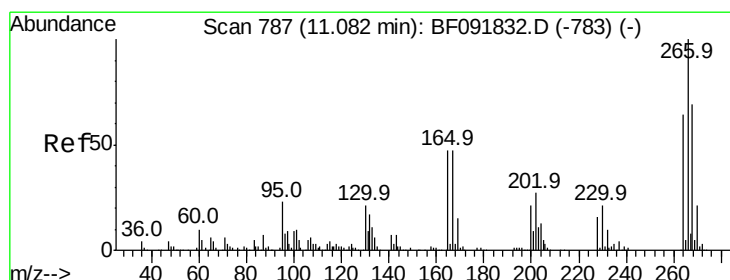
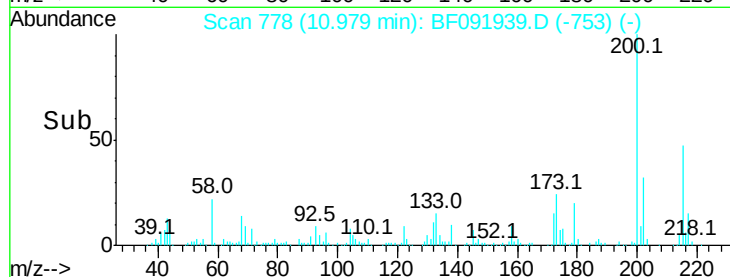
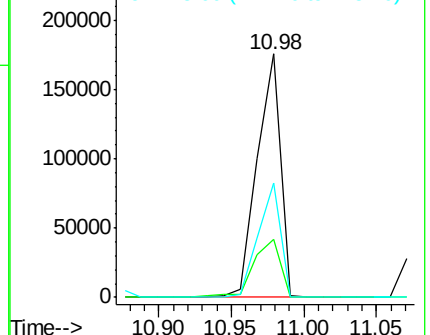
215 47.1 25.7 65.7



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: 104.45 ng

RT: 11.08 min Scan# 787

Delta R.T. -0.00 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

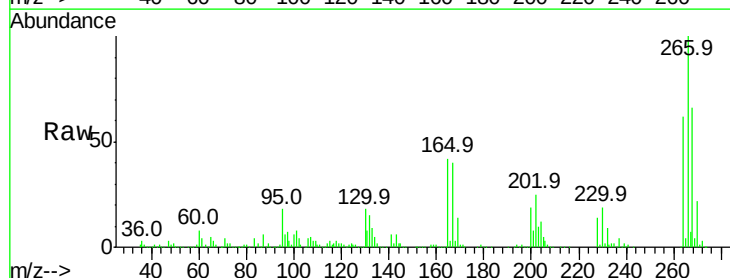
Tgt Ion:266 Resp: 331533

Ion Ratio Lower Upper

266 100

268 66.5 53.3 79.9

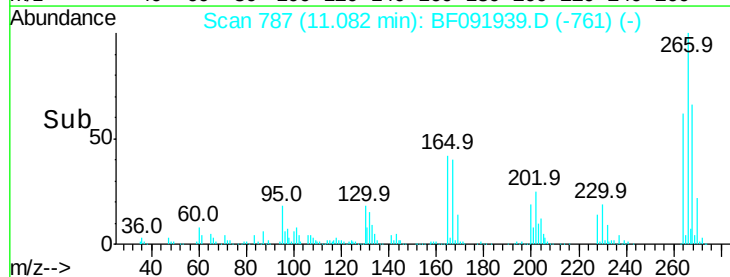
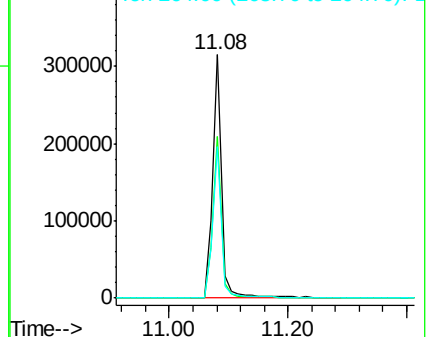
264 62.4 50.3 75.5

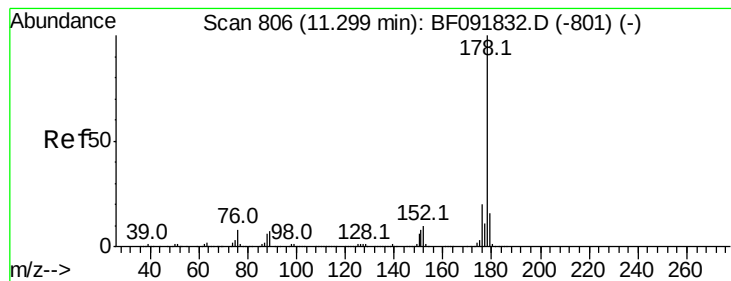


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 53.37 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

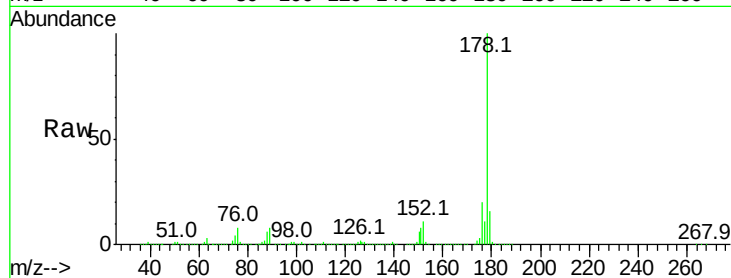
BNA_F

ClientSampleId :

IDW-01-122116MSD

Tot Ion:178 Resp: 1683587

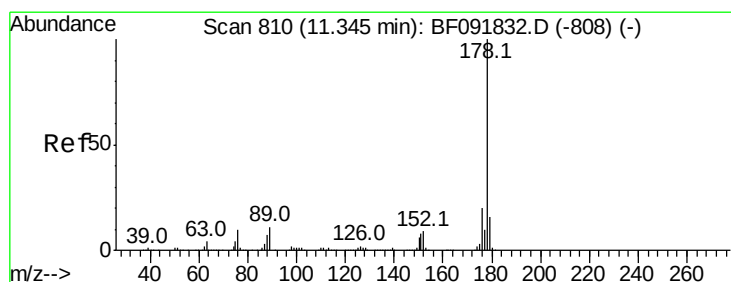
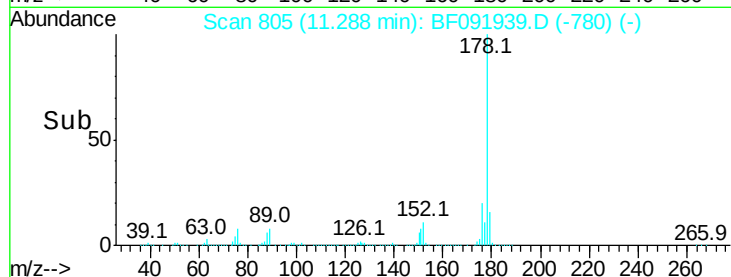
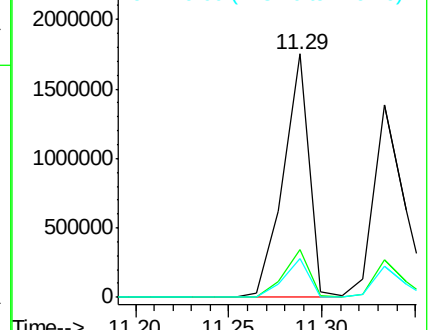
Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.6	25.0
179	16.1	12.8	19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 59.82 ng

RT: 11.33 min Scan# 809

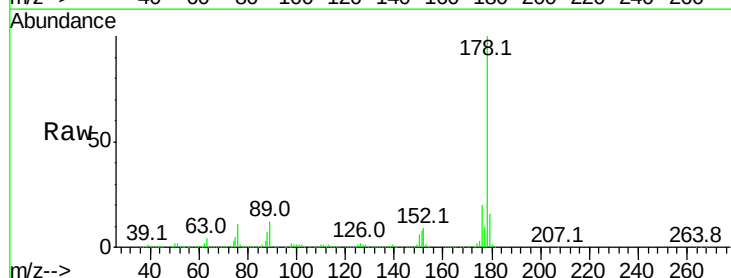
Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Tgt Ion:178 Resp: 1486187

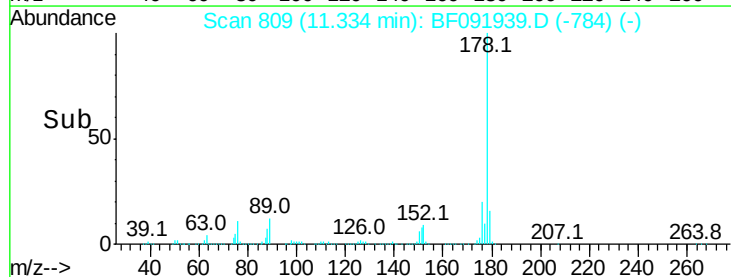
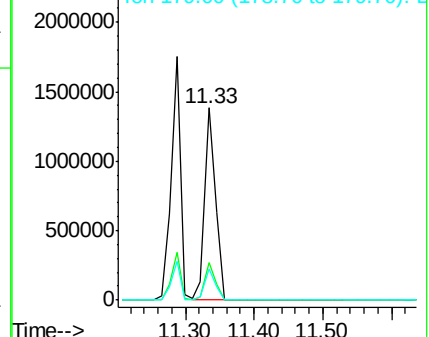
Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	16.3	13.2	19.8

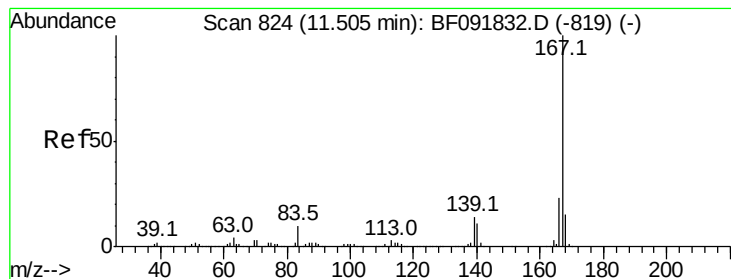


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: Below Cal

RT: 11.50 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

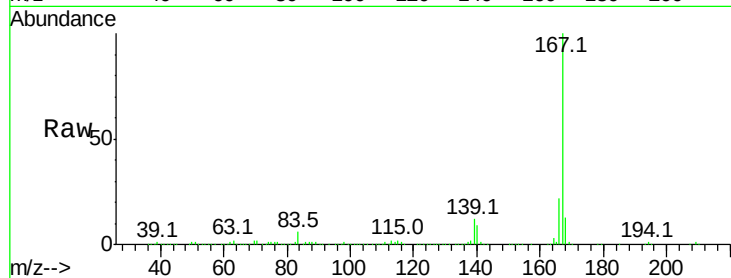
Tot Ion:167 Resp: 1447180

Ion Ratio Lower Upper

167 100

166 21.9 18.2 27.2

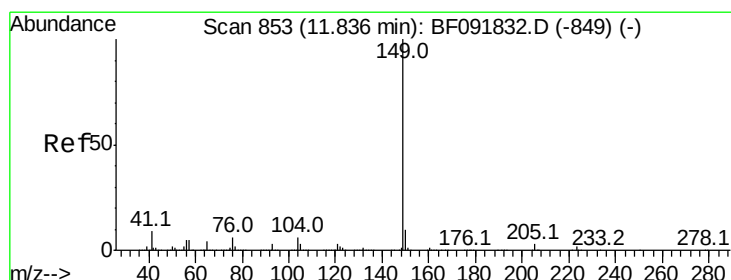
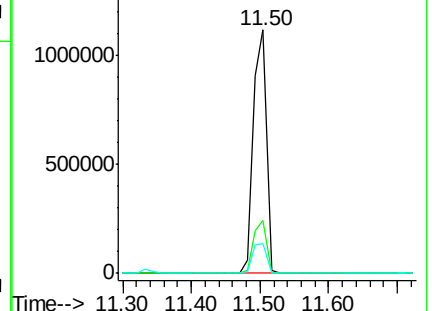
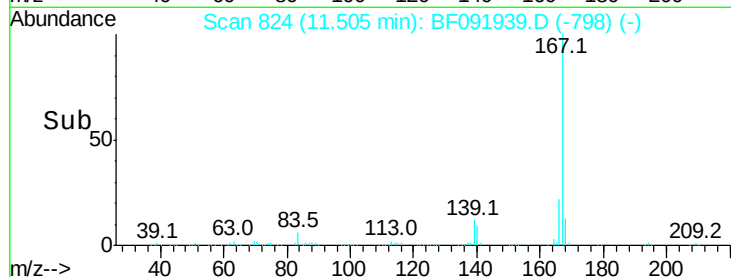
139 12.0 11.4 17.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 61.91 ng

RT: 11.82 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

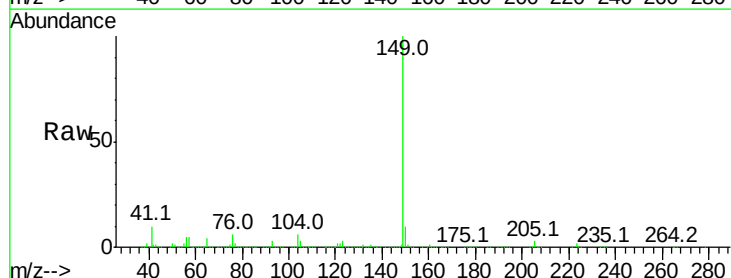
Tgt Ion:149 Resp: 1804555

Ion Ratio Lower Upper

149 100

150 9.6 8.1 12.1

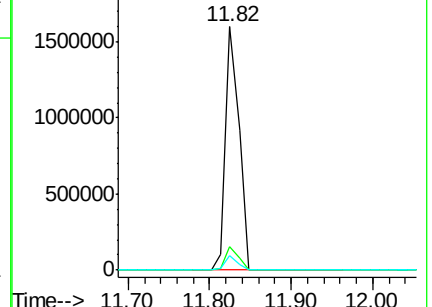
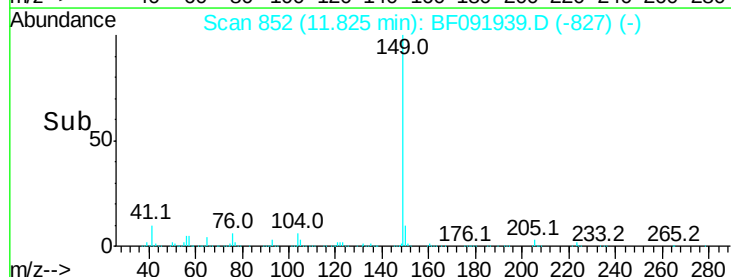
104 6.0 4.6 7.0

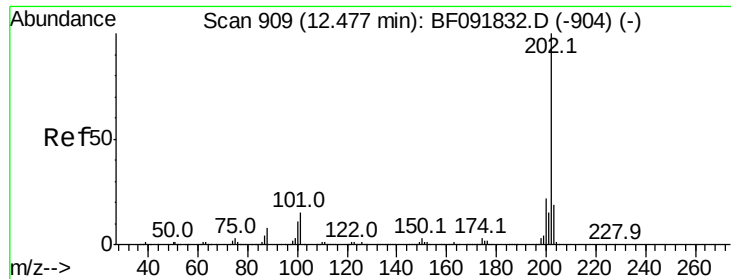


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 48.12 ng

RT: 12.47 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

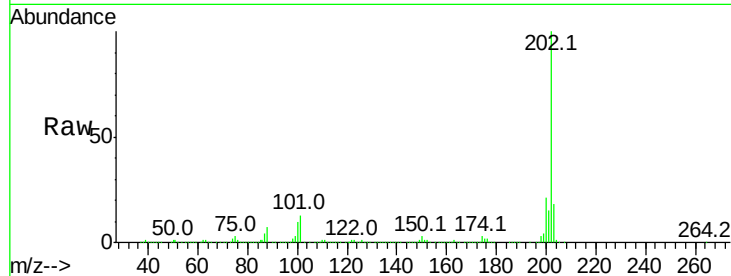
Tot Ion:202 Resp: 1324414

Ion Ratio Lower Upper

202 100

101 13.5 0.0 34.6

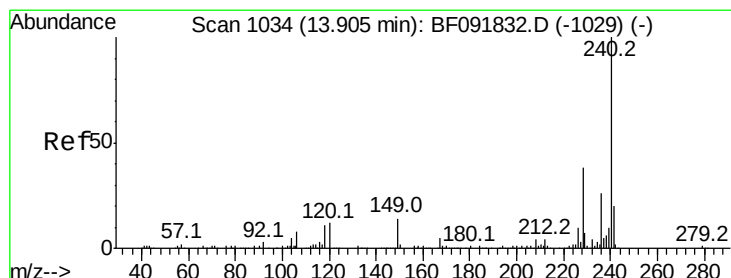
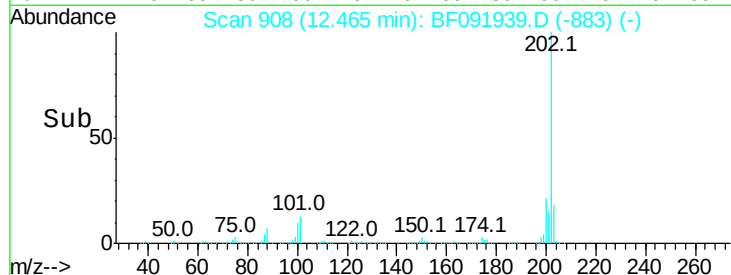
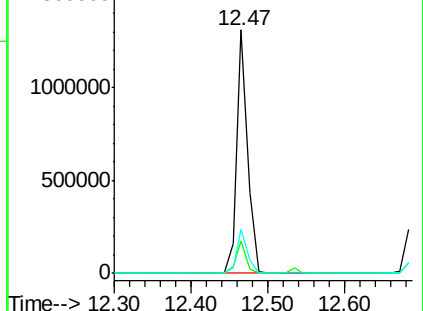
203 18.1 0.0 38.7



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: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

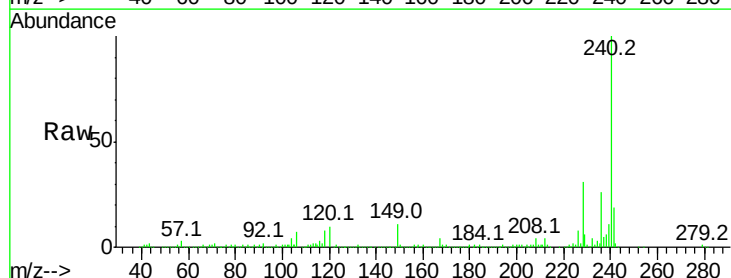
Tgt Ion:240 Resp: 371943

Ion Ratio Lower Upper

240 100

120 9.9 12.9 19.3#

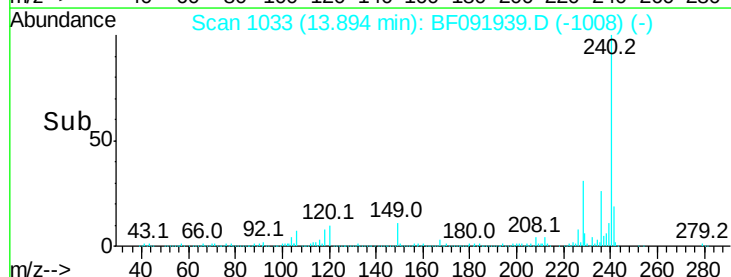
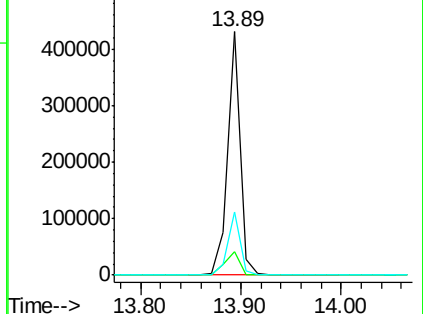
236 26.1 20.9 31.3

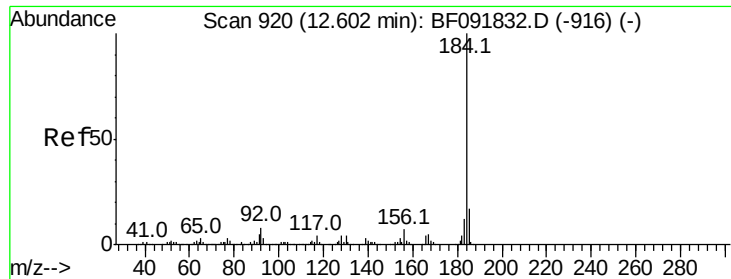


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 8.61 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

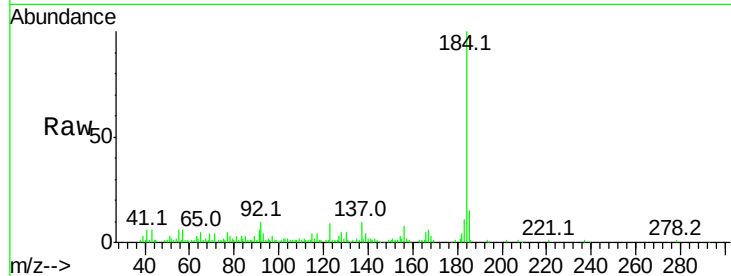
Tot Ion:184 Resp: 114136

Ion Ratio Lower Upper

184 100

185 14.7 13.4 20.0

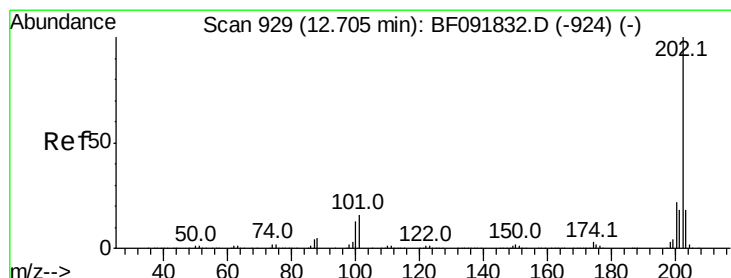
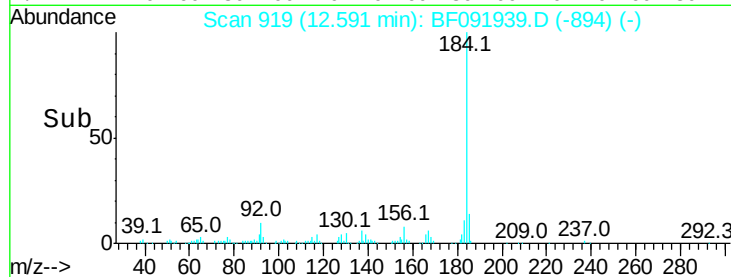
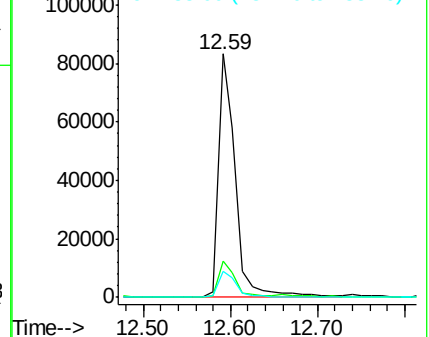
183 10.9 9.2 13.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 47.85 ng

RT: 12.69 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

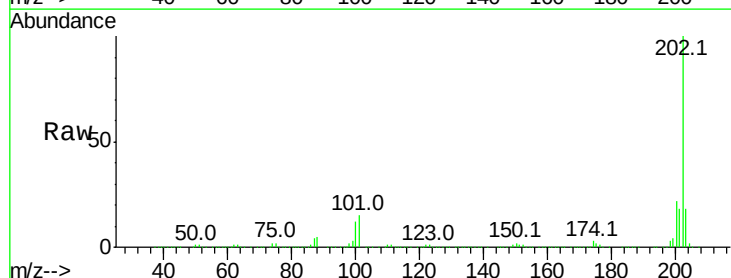
Tgt Ion:202 Resp: 1305891

Ion Ratio Lower Upper

202 100

200 21.9 17.7 26.5

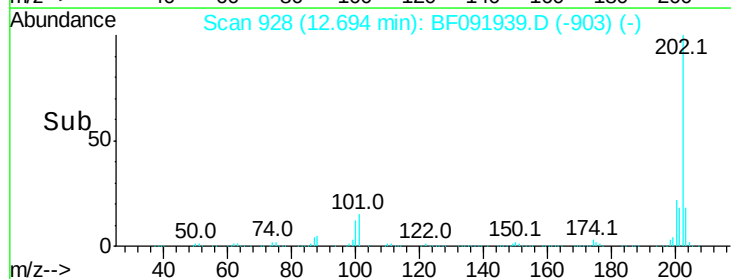
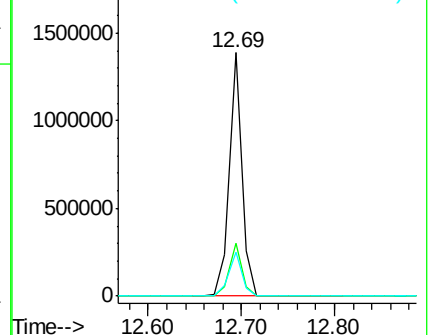
203 18.3 14.7 22.1

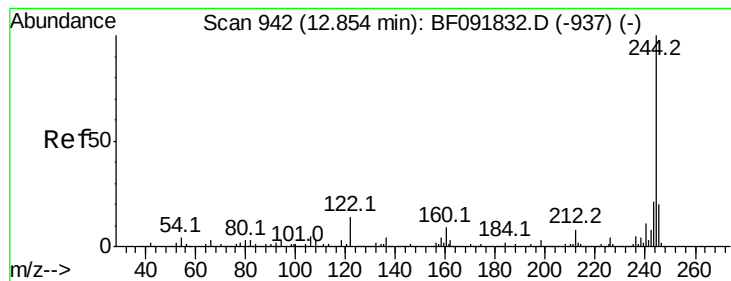


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 95.12 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

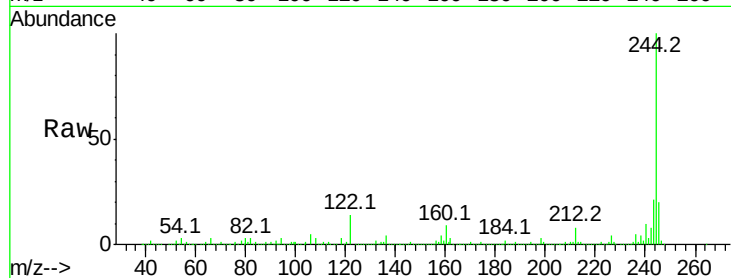
Tot Ion:244 Resp: 1458782

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

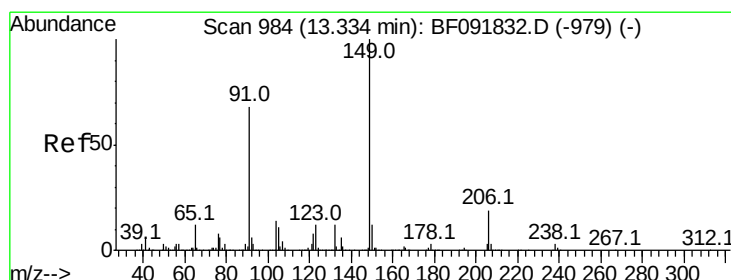
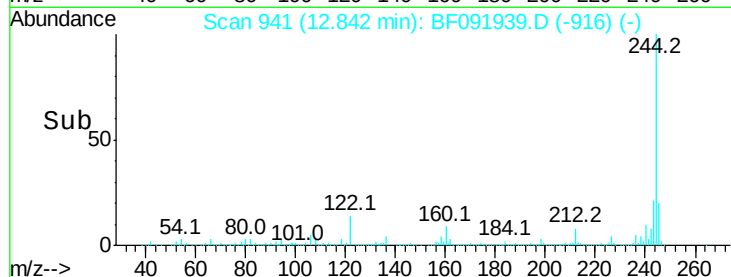
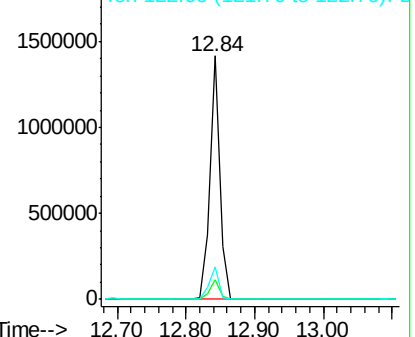
122 13.5 11.4 17.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 56.13 ng

RT: 13.32 min Scan# 983

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

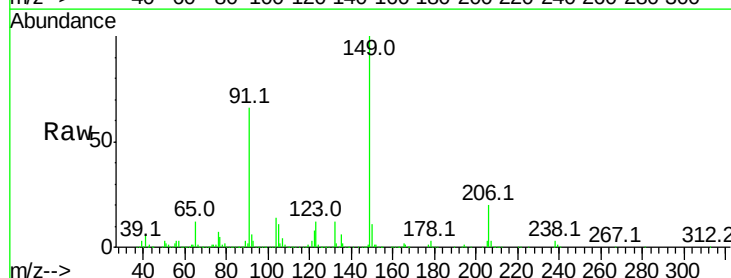
Tgt Ion:149 Resp: 696680

Ion Ratio Lower Upper

149 100

91 66.5 63.9 95.9

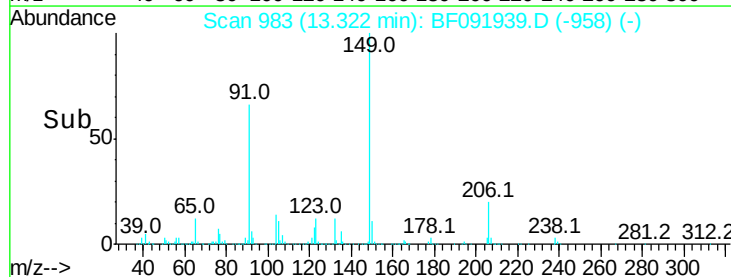
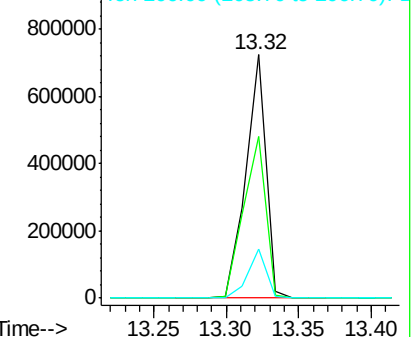
206 19.9 14.6 21.8

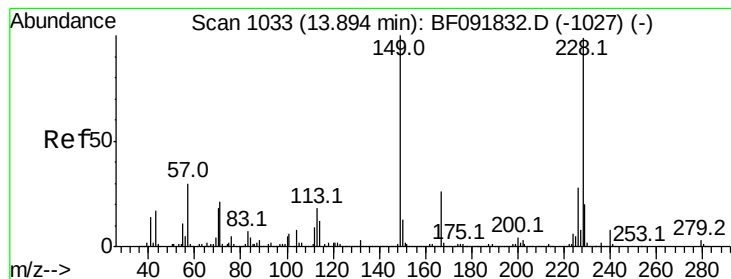


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 48.84 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

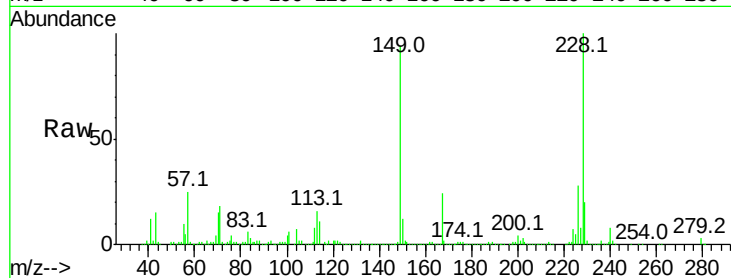
Tot Ion:228 Resp: 1025430

Ion Ratio Lower Upper

228 100

226 28.1 22.4 33.6

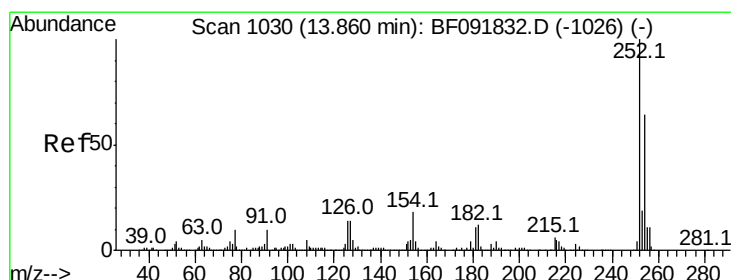
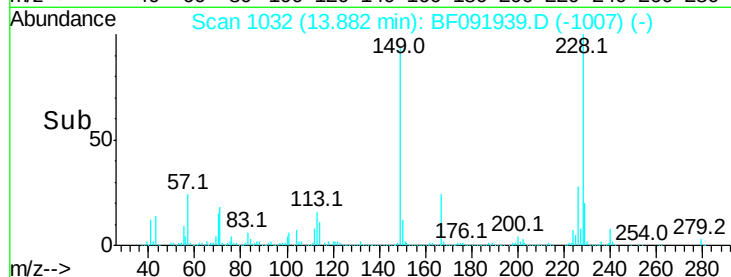
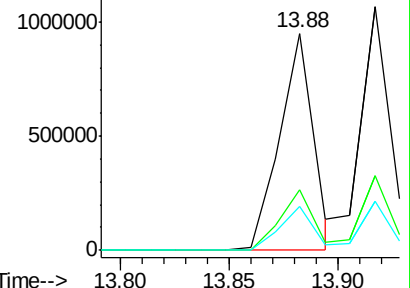
229 20.1 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 24.12 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

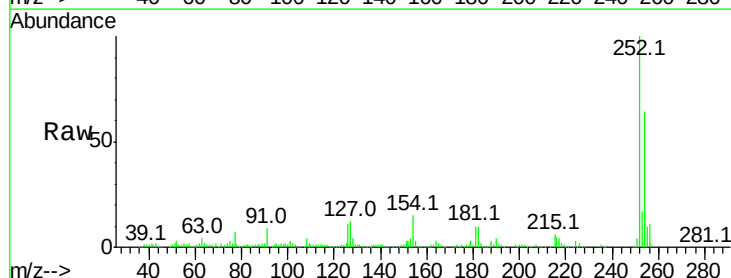
Tgt Ion:252 Resp: 192036

Ion Ratio Lower Upper

252 100

254 64.5 52.3 78.5

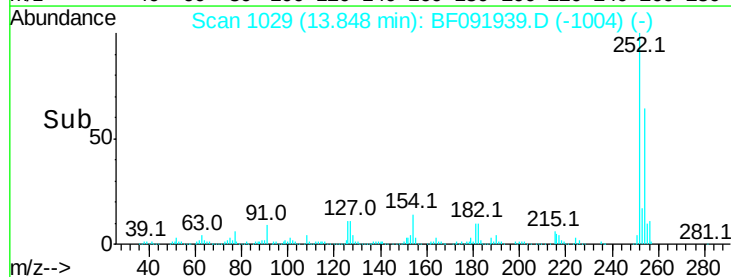
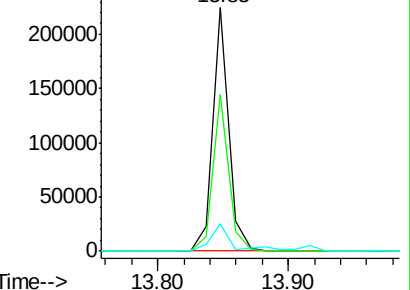
126 11.5 13.6 20.4#

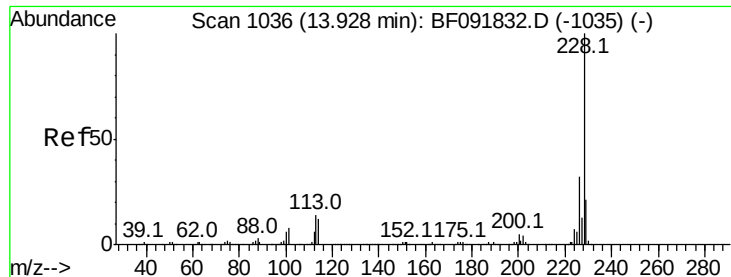


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 48.16 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

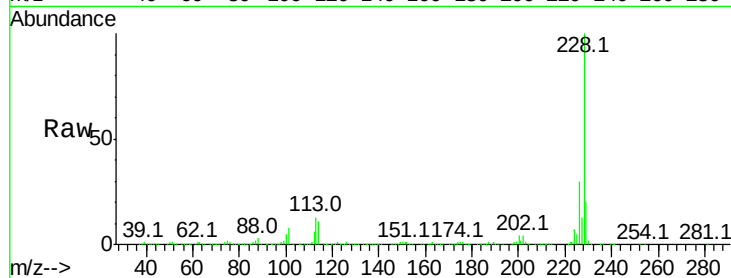
Tot Ion:228 Resp: 1014322

Ion Ratio Lower Upper

228 100

226 30.5 25.4 38.0

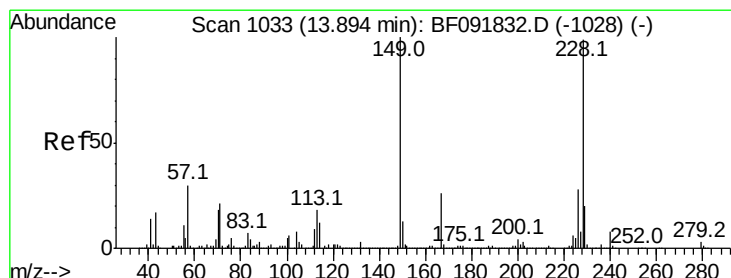
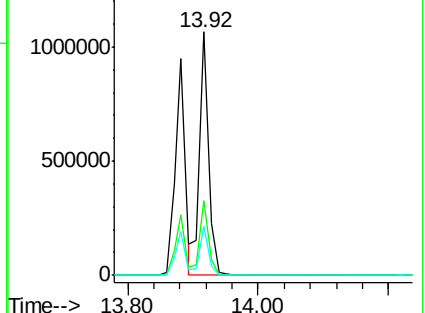
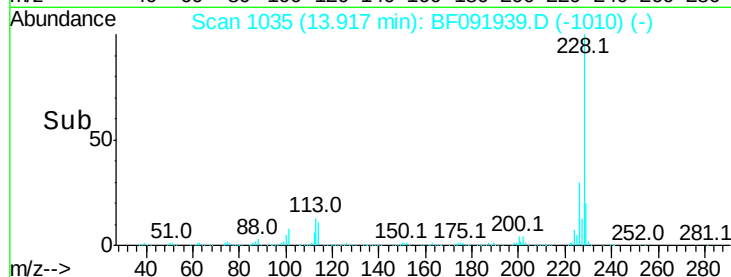
229 20.1 16.2 24.2



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: 57.28 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

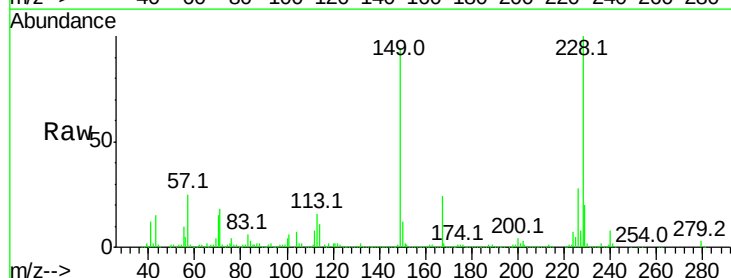
Tgt Ion:149 Resp: 837221

Ion Ratio Lower Upper

149 100

167 26.0 20.2 30.4

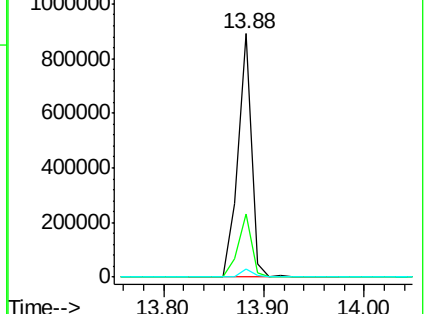
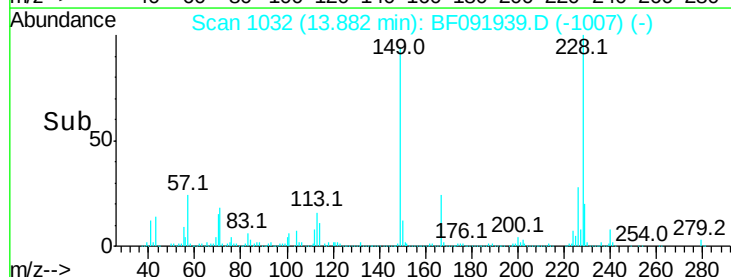
279 3.1 1.8 2.8#

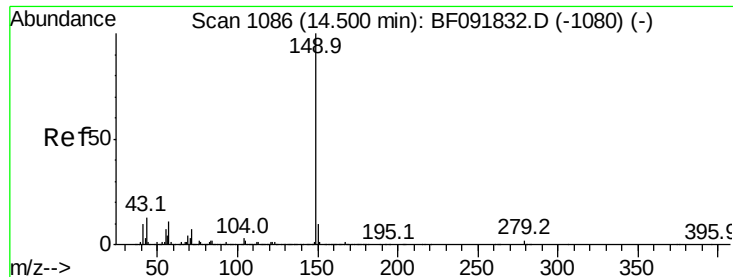


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 53.20 ng

RT: 14.49 min Scan# 1085

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116MSD

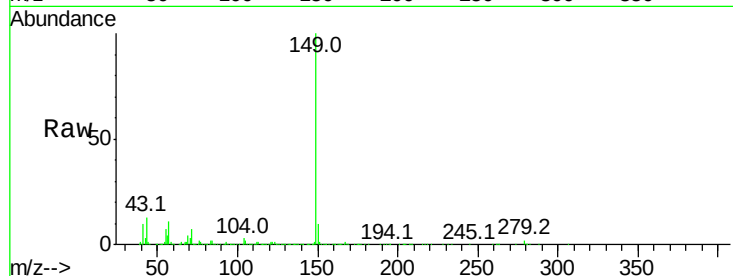
Tot Ion:149 Resp: 1440581

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

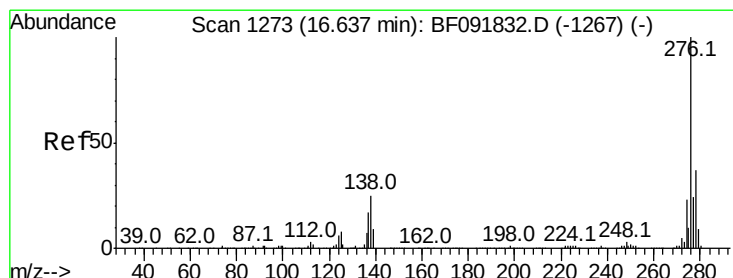
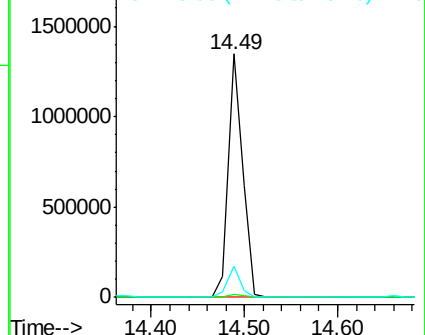
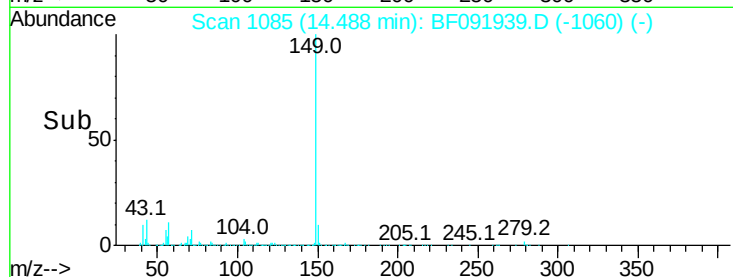
43 10.9 8.9 13.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 57.72 ng

RT: 16.63 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

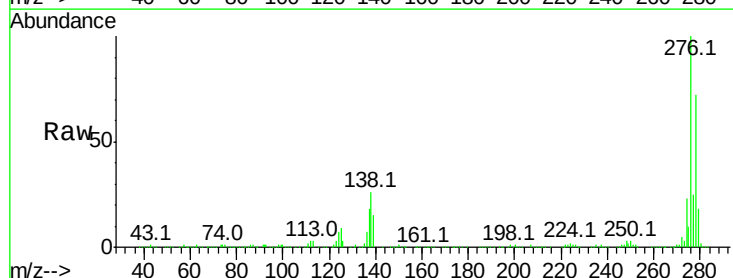
Tgt Ion:276 Resp: 1053089

Ion Ratio Lower Upper

276 100

138 26.0 21.8 32.6

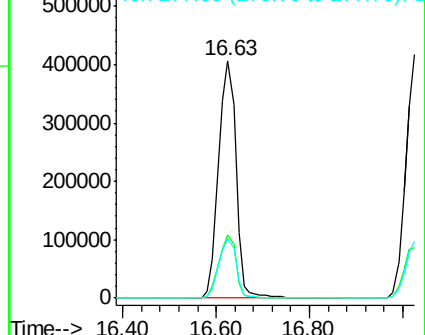
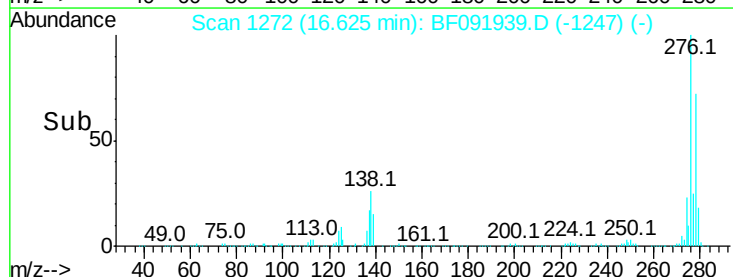
277 24.9 20.2 30.4

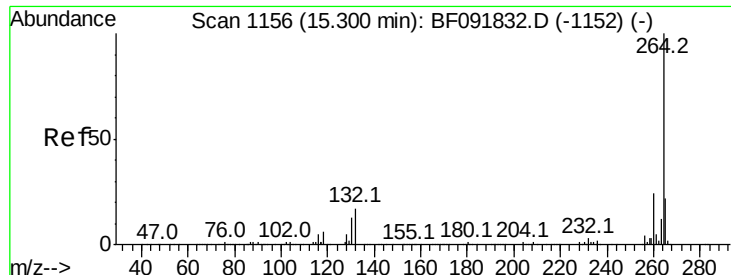


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

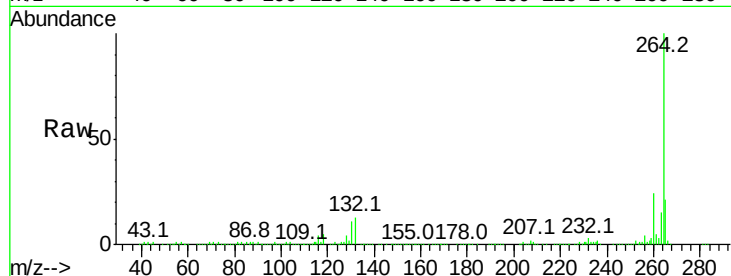




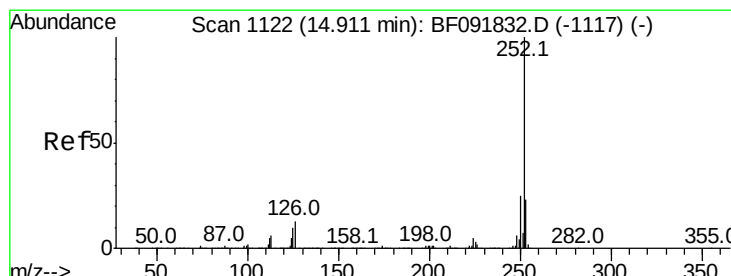
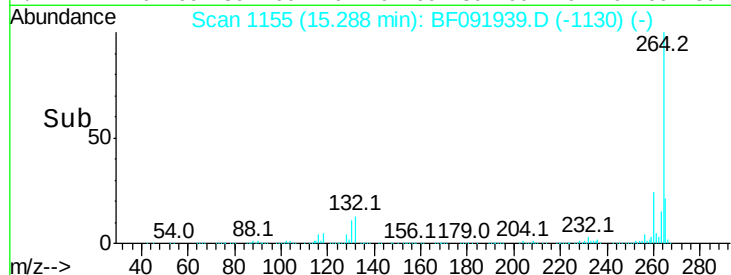
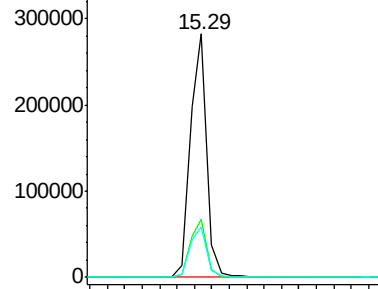
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF091939.D
Acq: 23 Dec 2016 22:16

Instrument :
BNA_F
ClientSampleId :
IDW-01-122116MSD

Tot Ion:264 Resp: 374915
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 20.8 17.4 26.0

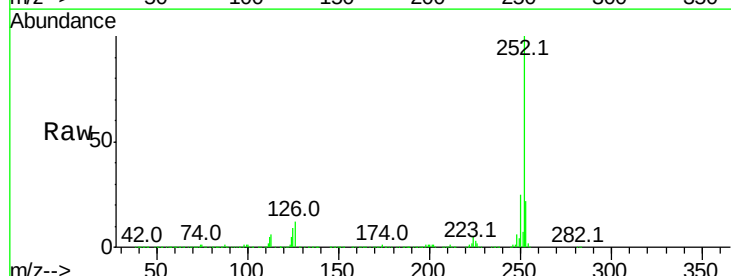


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

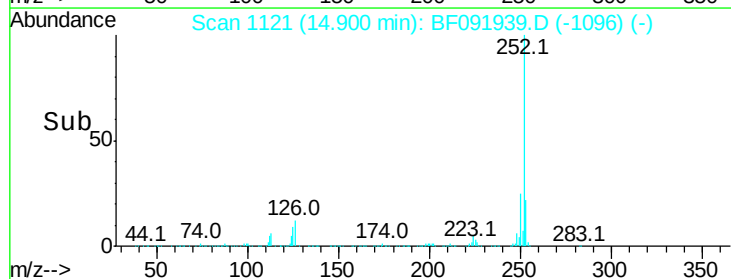
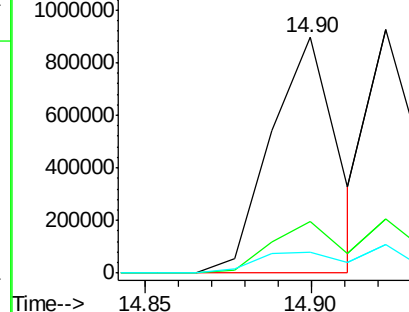


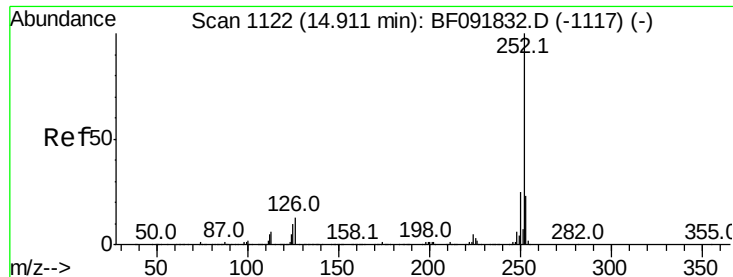
#87
Benzo(b)fluoranthene
Concen: 53.44 ng m
RT: 14.90 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF091939.D
Acq: 23 Dec 2016 22:16

Tgt Ion:252 Resp: 1247511
Ion Ratio Lower Upper
252 100
253 21.9 18.2 27.4
125 8.8 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

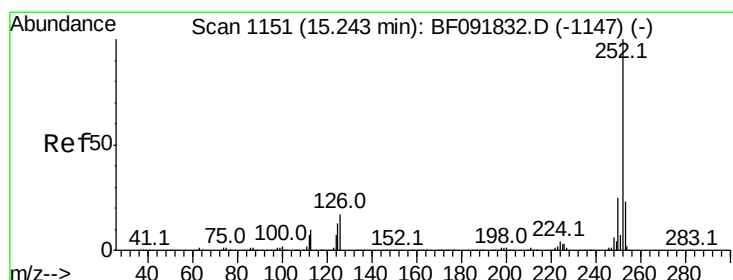
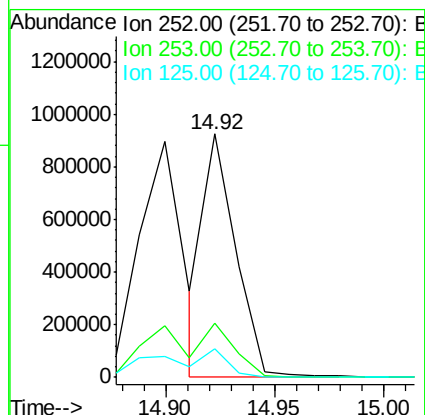
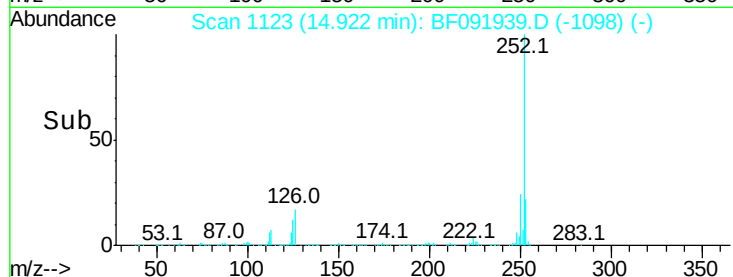
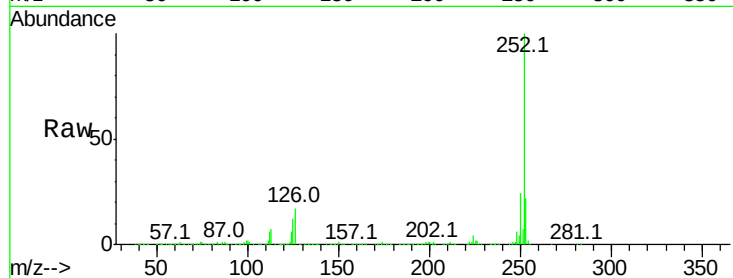




#88
Benzo(k)fluoranthene
Concen: 47.91 ng m
RT: 14.92 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF091939.D
Acq: 23 Dec 2016 22:16

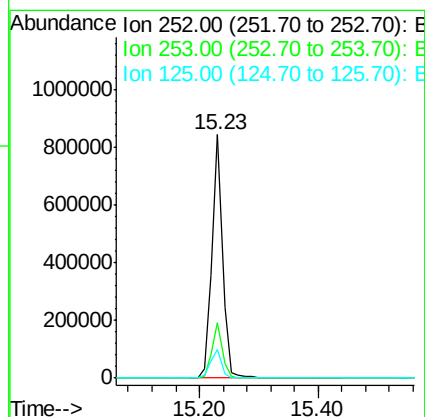
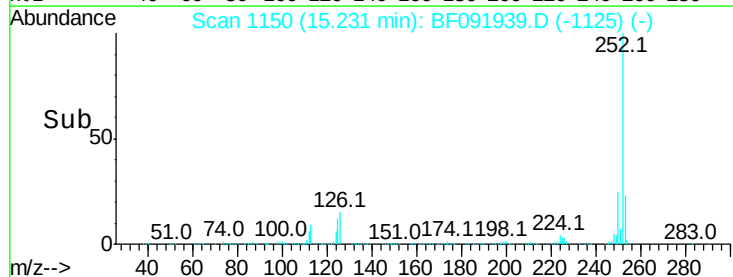
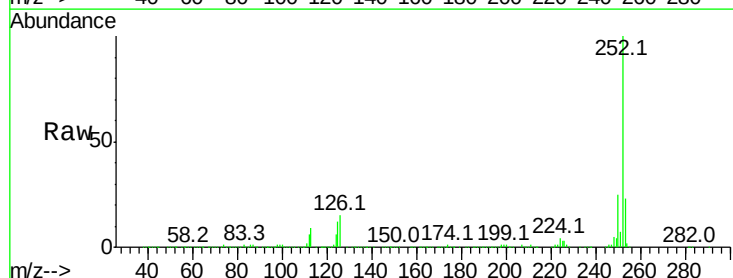
Instrument :
BNA_F
ClientSampleId :
IDW-01-122116MSD

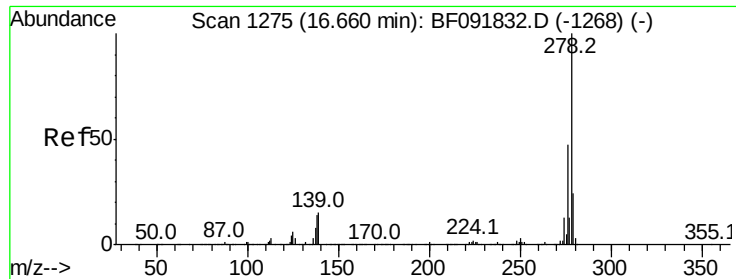
Tot Ion:252 Resp: 953713
Ion Ratio Lower Upper
252 100
253 22.4 18.5 27.7
125 11.6 8.9 13.3



#89
Benzo(a)pyrene
Concen: 50.62 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF091939.D
Acq: 23 Dec 2016 22:16

Tgt Ion:252 Resp: 1048783
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 11.7 10.0 15.0





#90

Dibenzo(a,h)anthracene

Concen: 51.67 ng

RT: 16.64 min Scan# 1273

Delta R.T. -0.02 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Instrument :

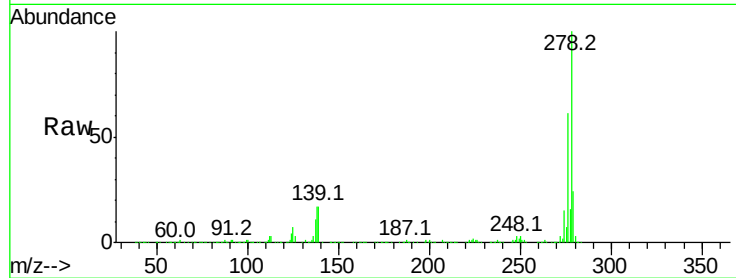
BNA_F

ClientSampleId :

IDW-01-122116MSD

Tot Ion:278 Resp: 879783

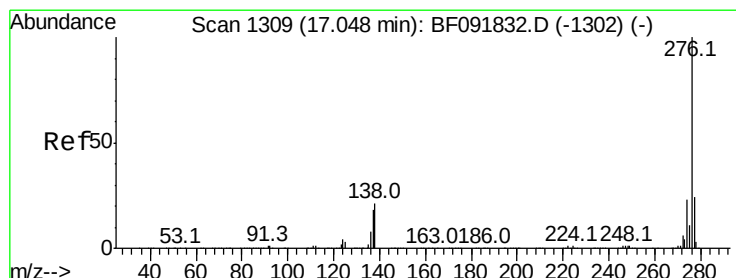
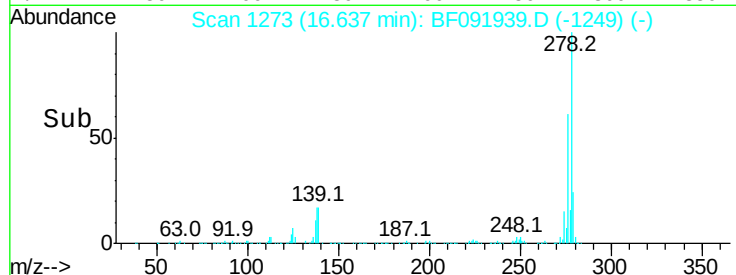
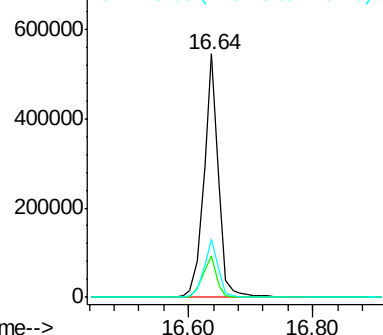
Ion	Ratio	Lower	Upper
278	100		
139	16.8	14.8	22.2
279	24.0	19.8	29.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 48.14 ng

RT: 17.03 min Scan# 1307

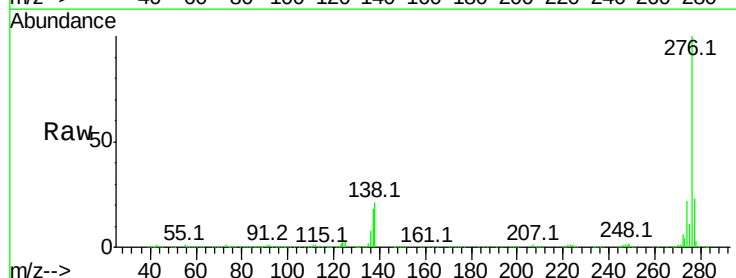
Delta R.T. -0.02 min

Lab File: BF091939.D

Acq: 23 Dec 2016 22:16

Tgt Ion:276 Resp: 852449

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.2	28.8
138	20.8	16.0	24.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

