

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022218\
 Data File : BF103174.D
 Acq On : 22 Feb 2018 20:35
 Operator : SJ/JU
 Sample : J1634-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-257928

Quant Time: Feb 23 02:13:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 22 14:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	167511	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	686155	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	246427	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	309876	20.00	ng	0.00
75) Chrysene-d12	14.04	240	290973	20.00	ng	0.00
86) Perylene-d12	15.54	264	261862	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	573354	51.77	ng	0.00
7) Phenol-d6	6.50	99	410273	30.27	ng	0.00
23) Nitrobenzene-d5	7.44	82	952795	79.30	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	199605	95.69	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1353996	98.16	ng	0.00
78) Terphenyl-d14	12.99	244	877125	72.46	ng	0.00

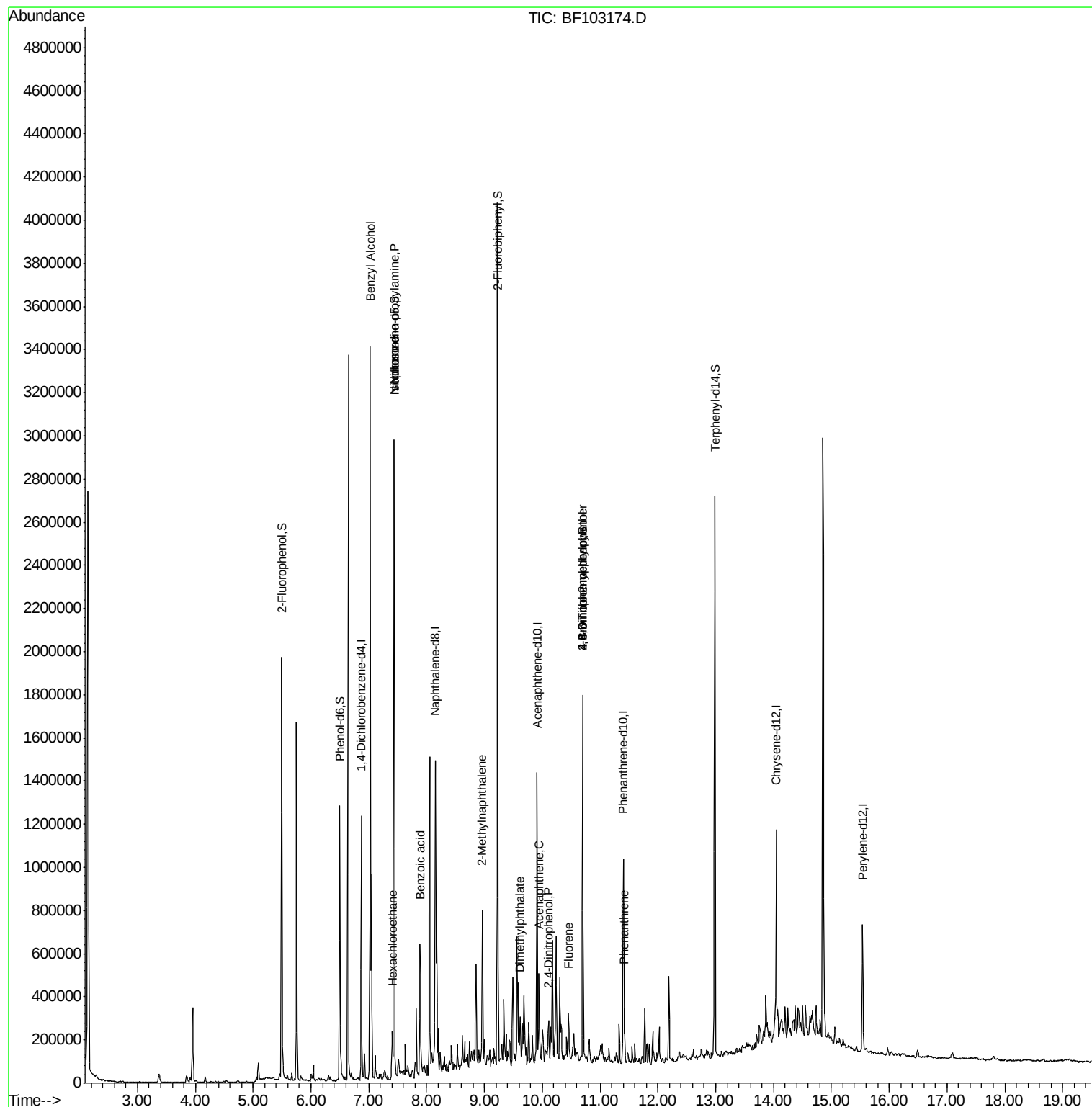
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.03	79	31217	3.057	ng	# 43
18) Hexachloroethane	7.40	117	12612	2.628	ng	# 1
19) n-Nitroso-di-n-propylamine	7.44	70	127347	15.098	ng	# 80
25) Isophorone	7.44	82	952795	40.264	ng	# 64
32) Benzoic acid	7.88	122	8116	7.897	ng	# 1
37) 2-Methylnaphthalene	8.96	142	186121	8.573	ng	96
49) Dimethylphthalate	9.62	163	50016	2.530	ng	98
51) Acenaphthene	9.94	154	75679	5.163	ng	98
53) 2,4-Dinitrophenol	10.10	184	115	9.689	ng	# 1
57) Fluorene	10.46	166	44883	2.619	ng	98
64) 4,6-Dinitro-2-methylphenol	10.70	198	476	5.172	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	12776	3.958	ng	# 1
70) Phenanthrene	11.42	178	73562	4.314	ng	99

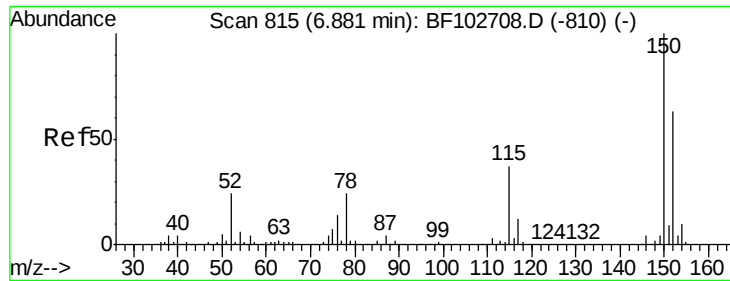
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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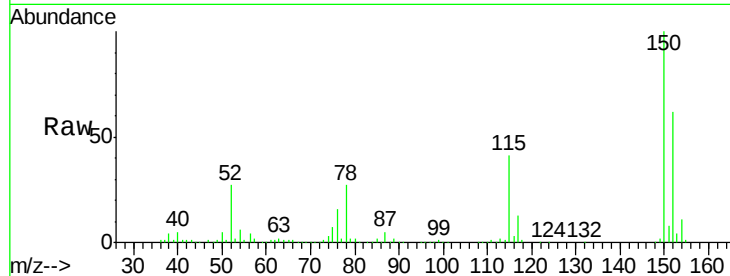


#1

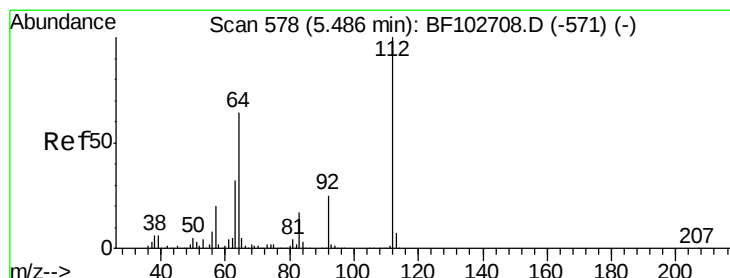
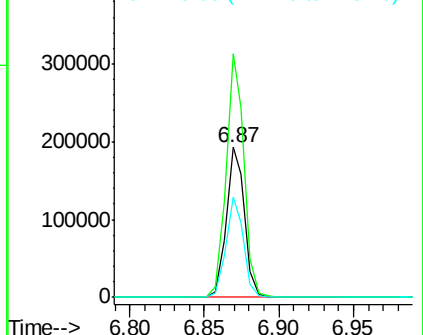
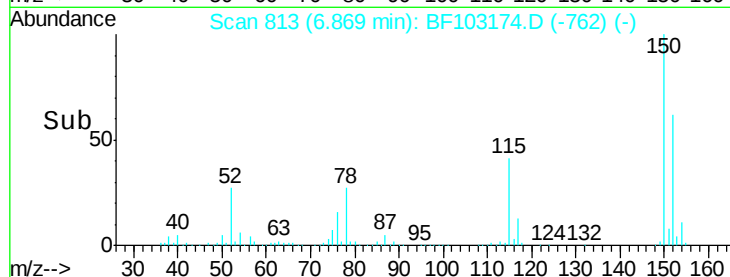
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103174.D
Acq: 22 Feb 2018 20:35

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-257928

Tot Ion:152 Resp: 167511
Ion Ratio Lower Upper
152 100
150 162.2 124.6 186.8
115 66.8 50.1 75.1



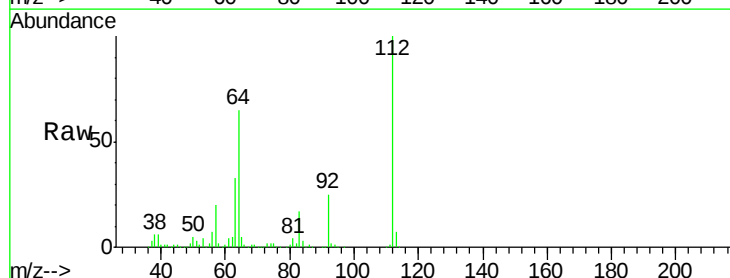
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



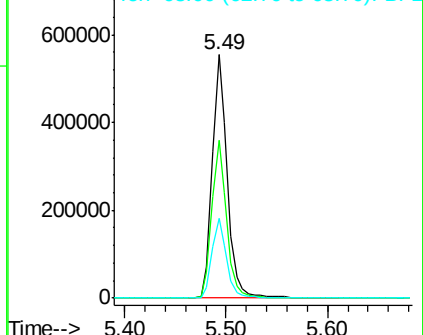
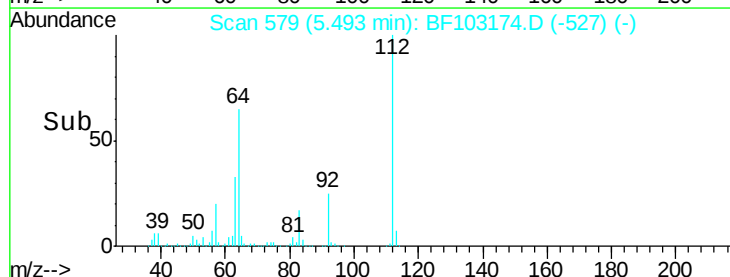
#5

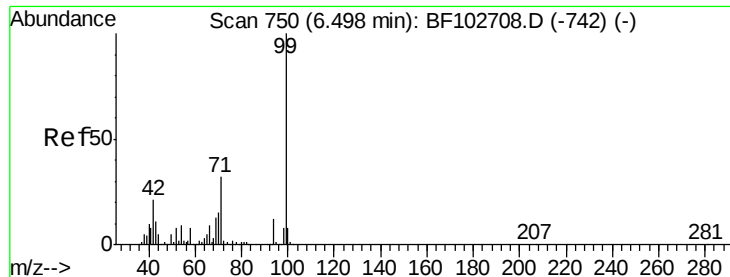
2-Fluorophenol
Concen: 51.767 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103174.D
Acq: 22 Feb 2018 20:35

Tgt Ion:112 Resp: 573354
Ion Ratio Lower Upper
112 100
64 64.7 47.9 71.9
63 32.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 30.272 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103174.D

Acq: 22 Feb 2018 20:35

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-257928

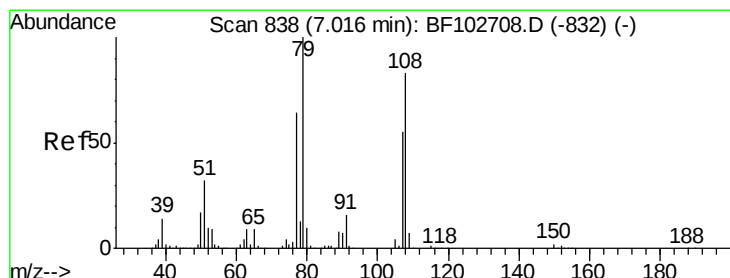
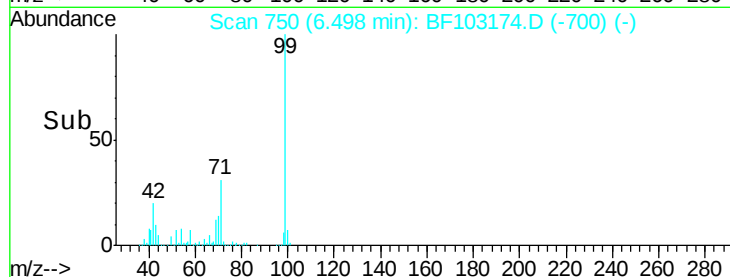
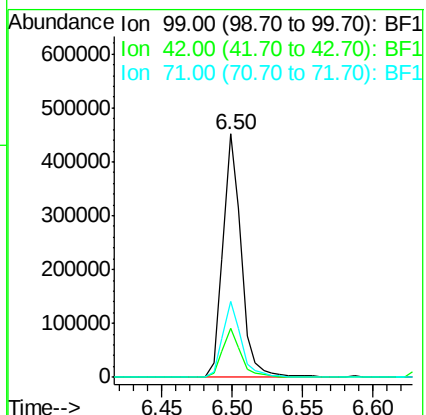
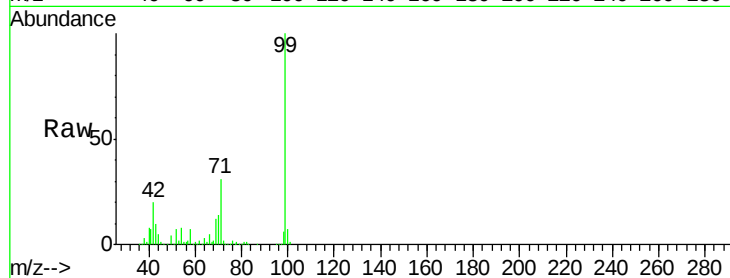
Tot Ion: 99 Resp: 410273

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

71 31.2 25.4 38.0



#15

Benzyl Alcohol

Concen: 3.057 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.01 min

Lab File: BF103174.D

Acq: 22 Feb 2018 20:35

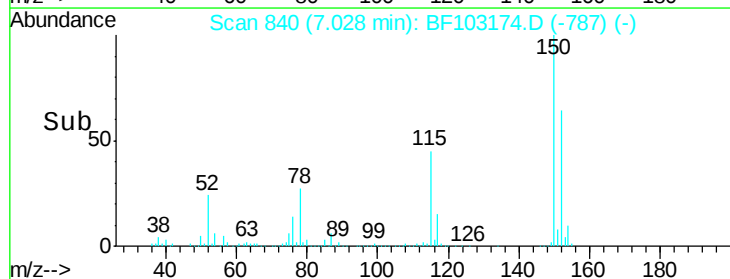
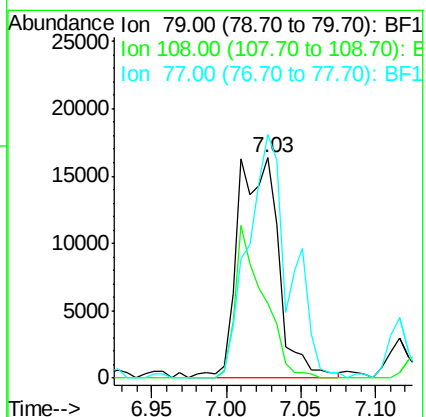
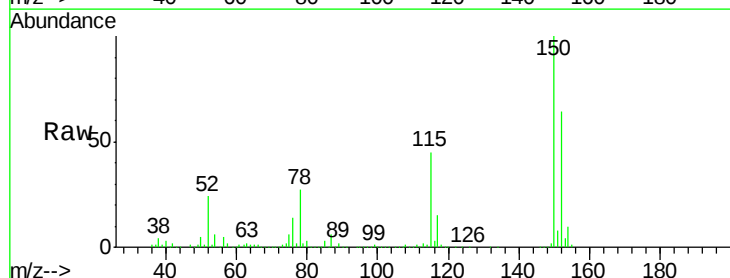
Tgt Ion: 79 Resp: 31217

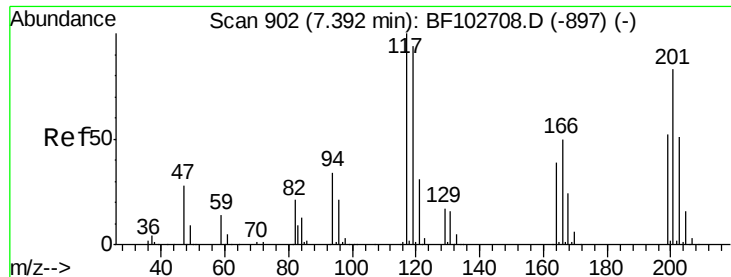
Ion Ratio Lower Upper

79 100

108 34.0 65.1 97.7#

77 110.7 50.6 75.8#

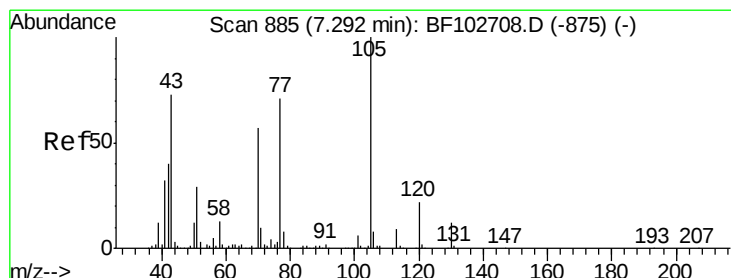
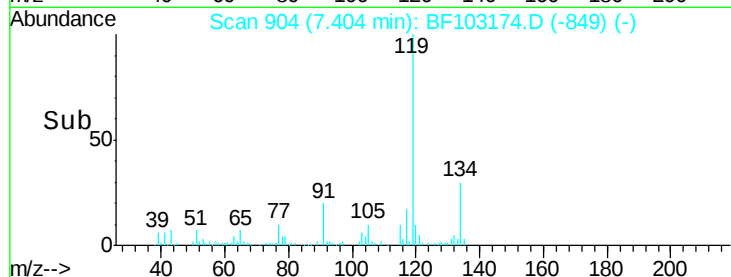
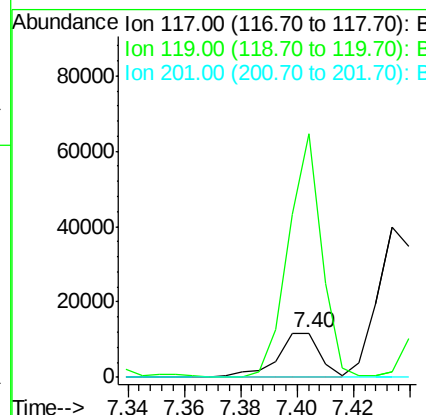
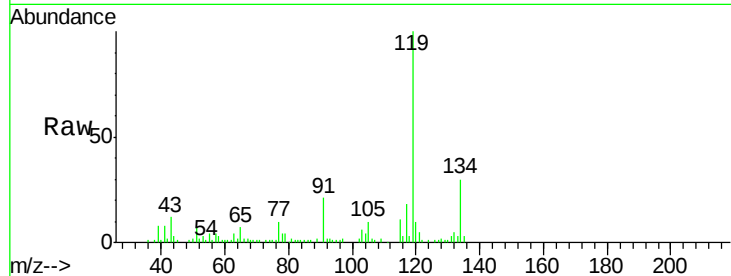




#18
Hexachloroethane
Concen: 2.628 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.02 min
Lab File: BF103174.D
Acq: 22 Feb 2018 20:35

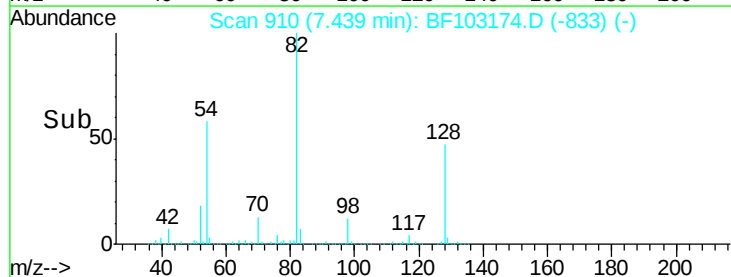
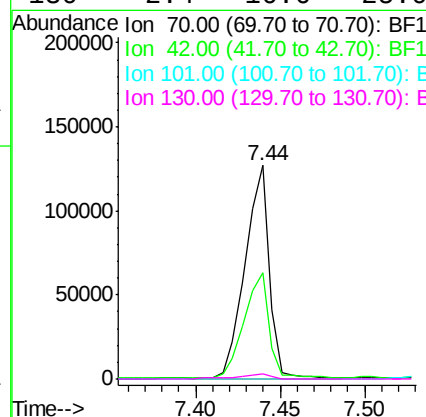
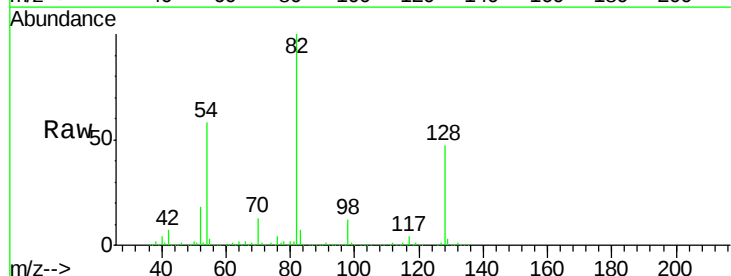
Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-257928

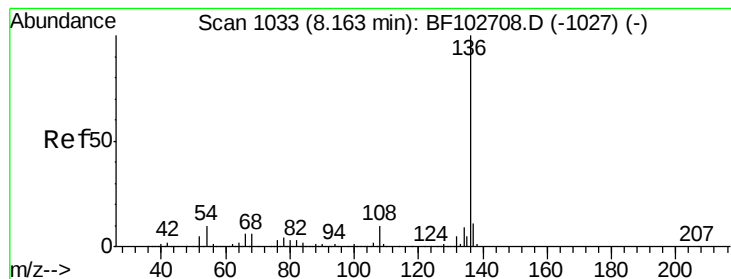
Tot Ion:117 Resp: 12612
Ion Ratio Lower Upper
117 100
119 547.8 75.8 113.8#
201 0.0 75.7 113.5#



#19
n-Nitroso-di-n-propylamine
Concen: 15.098 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF103174.D
Acq: 22 Feb 2018 20:35

Tgt Ion: 70 Resp: 127347
Ion Ratio Lower Upper
70 100
42 49.7 47.5 71.3
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF103174.D

Acq: 22 Feb 2018 20:35

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-257928

Tot Ion:136 Resp: 686155

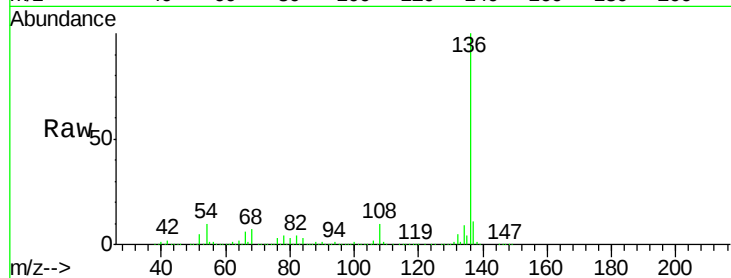
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 10.1 6.6 9.8#

68 6.9 5.0 7.4

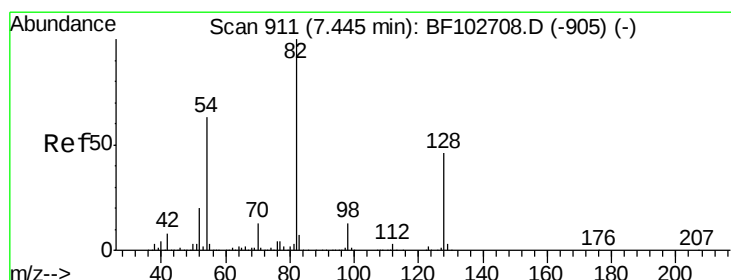
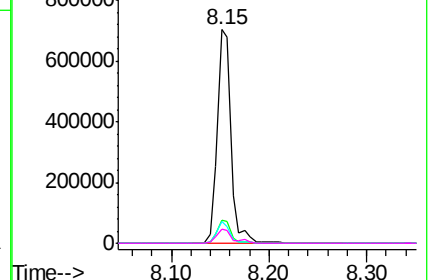
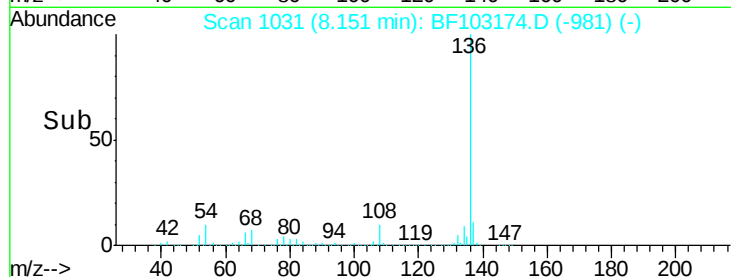


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 79.301 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: BF103174.D

Acq: 22 Feb 2018 20:35

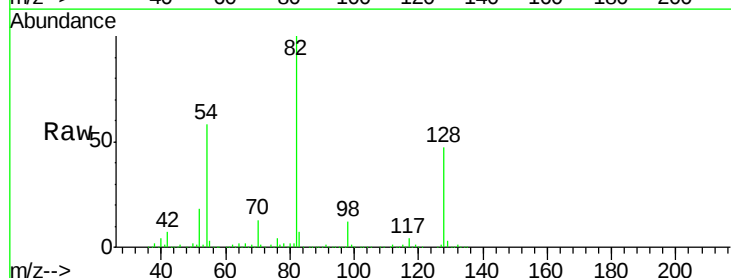
Tgt Ion: 82 Resp: 952795

Ion Ratio Lower Upper

82 100

128 46.6 36.1 54.1

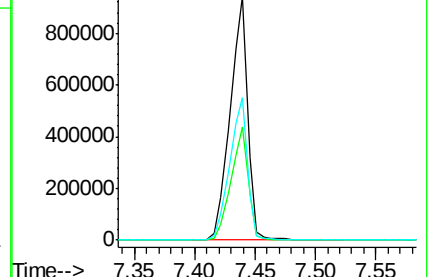
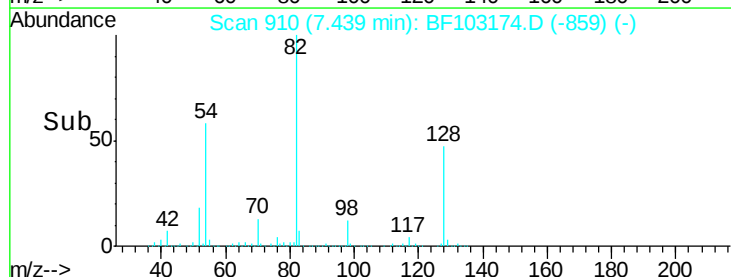
54 58.3 41.4 62.2

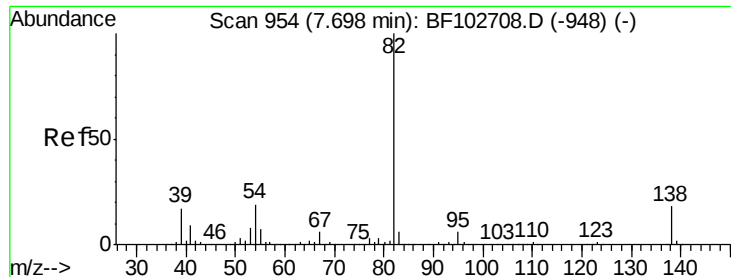


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.264 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103174.D

Acq: 22 Feb 2018 20:35

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-257928

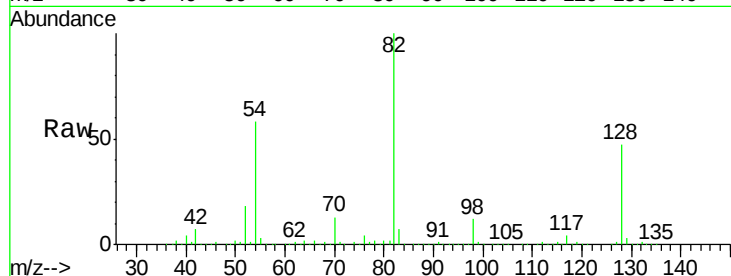
Tot Ion: 82 Resp: 952795

Ion Ratio Lower Upper

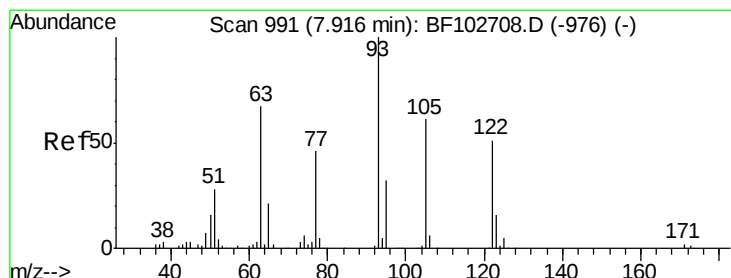
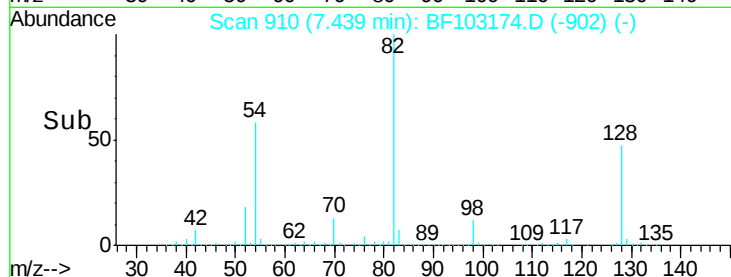
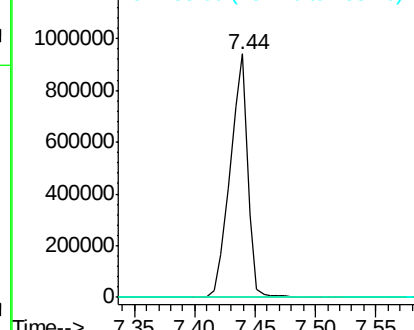
82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 7.897 ng

RT: 7.88 min Scan# 985

Delta R.T. -0.05 min

Lab File: BF103174.D

Acq: 22 Feb 2018 20:35

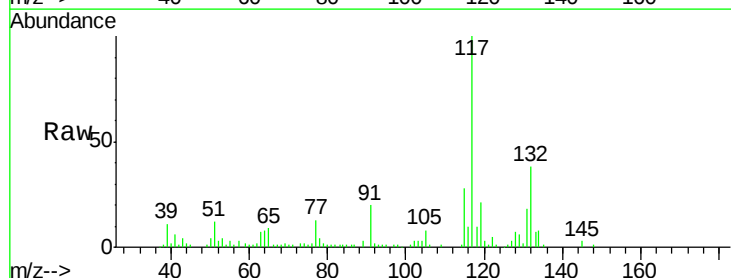
Tgt Ion:122 Resp: 8116

Ion Ratio Lower Upper

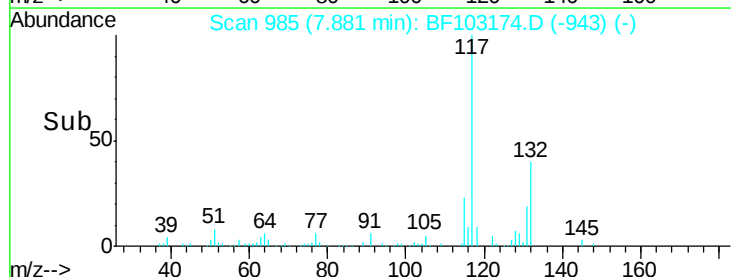
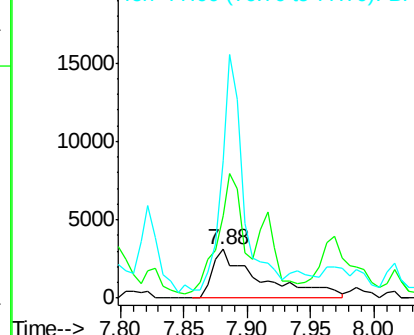
122 100

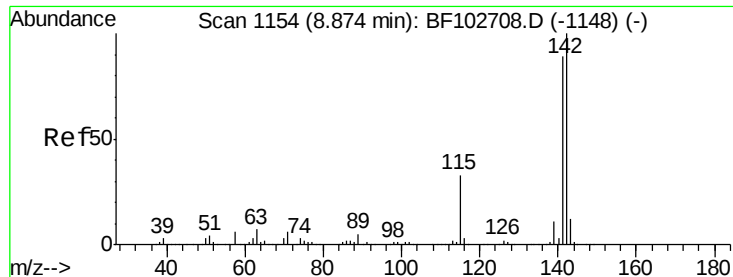
105 170.6 101.1 141.1#

77 284.2 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

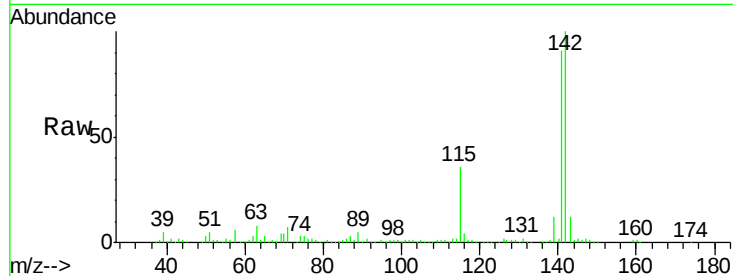




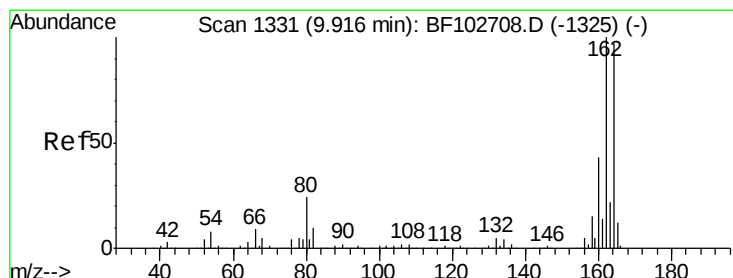
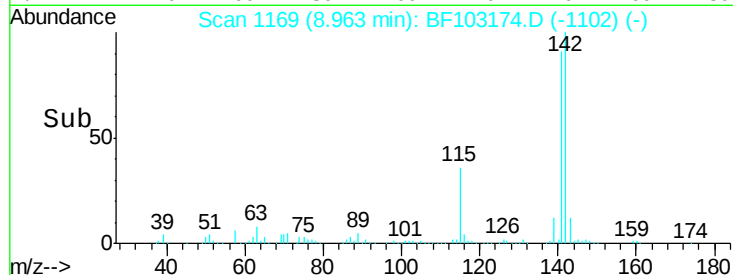
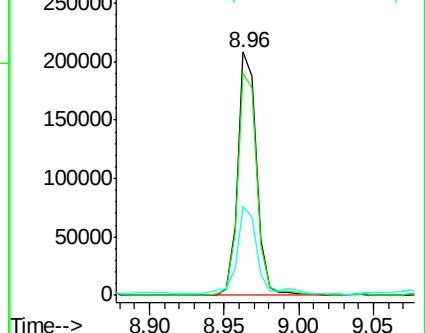
#37
2-Methylnaphthalene
Concen: 8.573 ng
RT: 8.96 min Scan# 1169
Delta R.T. 0.09 min
Lab File: BF103174.D
Acq: 22 Feb 2018 20:35

Instrument :
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FRAC-TANK-257928

Tot Ion:142 Resp: 186121
Ion Ratio Lower Upper
142 100
141 91.0 70.8 106.2
115 36.2 26.1 39.1

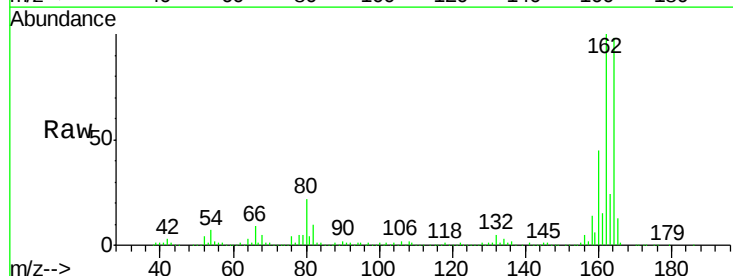


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

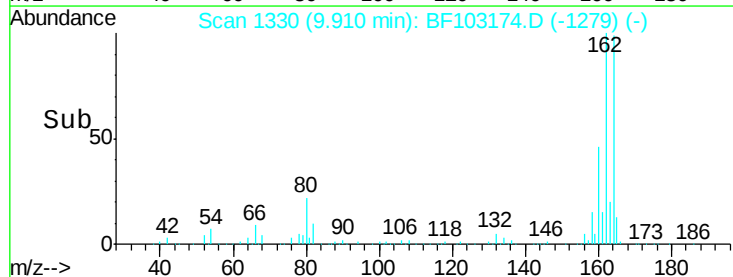
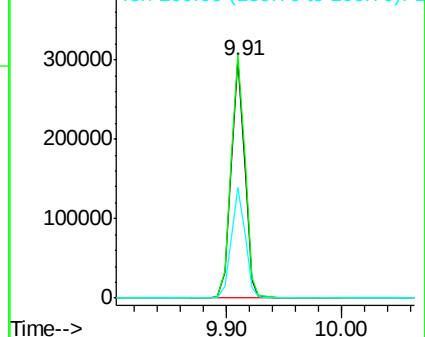


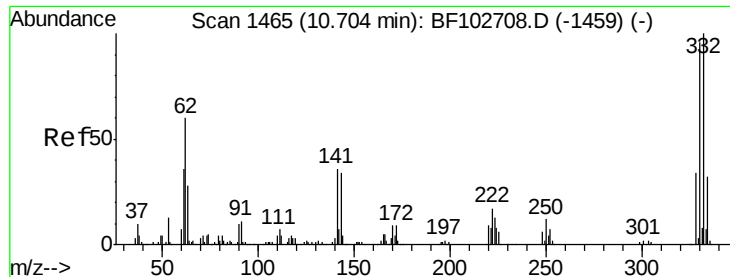
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BF103174.D
Acq: 22 Feb 2018 20:35

Tgt Ion:164 Resp: 246427
Ion Ratio Lower Upper
164 100
162 102.2 86.1 129.1
160 46.4 38.3 57.5



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

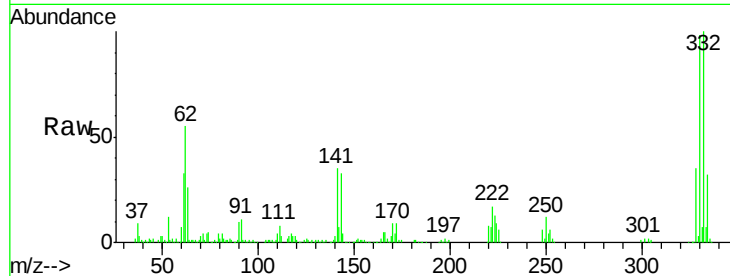




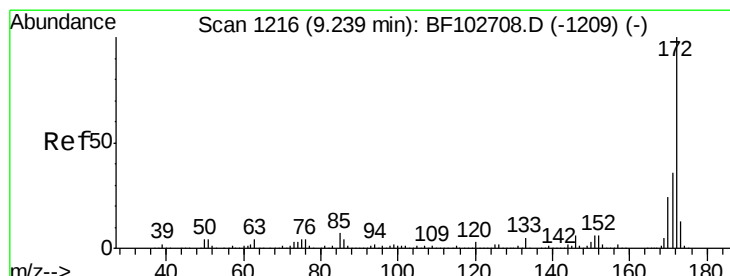
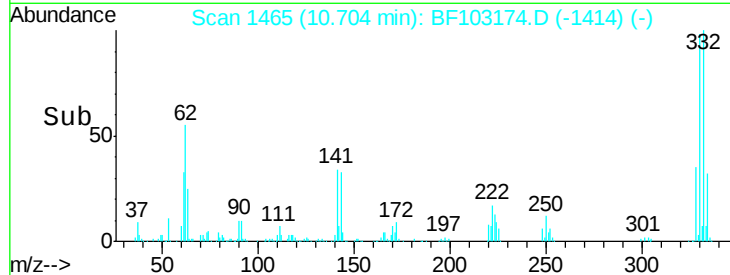
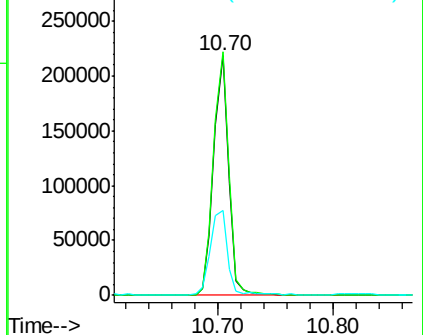
#41
 2,4,6-Tribromophenol
 Concen: 95.694 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103174.D
 Acq: 22 Feb 2018 20:35

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-257928

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.1	77.0	115.6
141	39.9	29.9	44.9

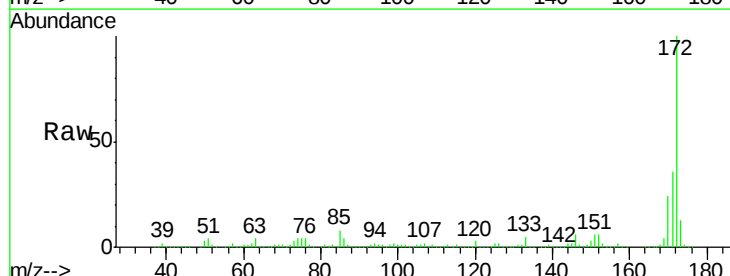


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

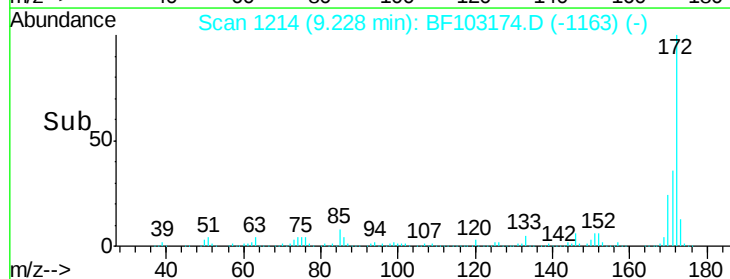
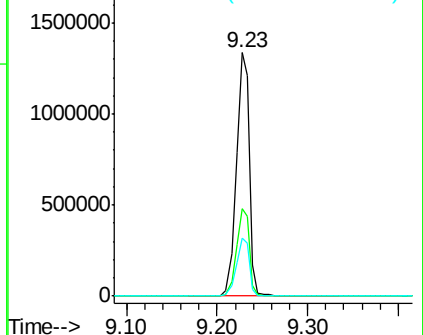


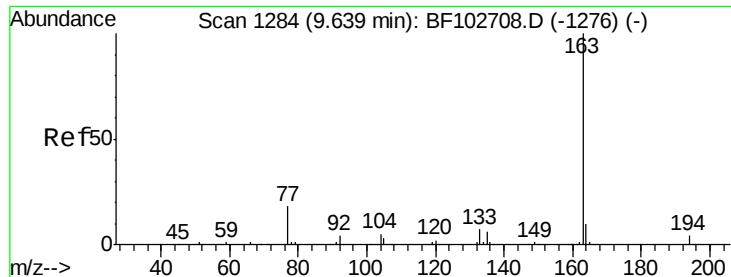
#44
 2-Fluorobiphenyl
 Concen: 98.163 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103174.D
 Acq: 22 Feb 2018 20:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.8	19.6	29.4



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

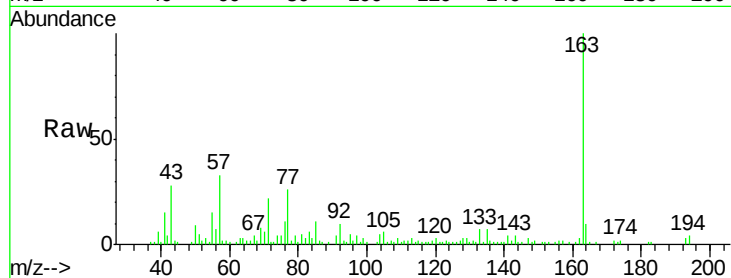




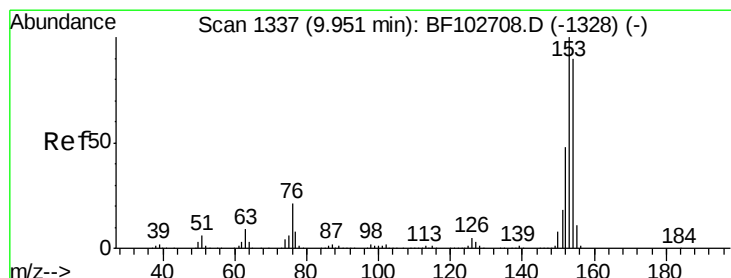
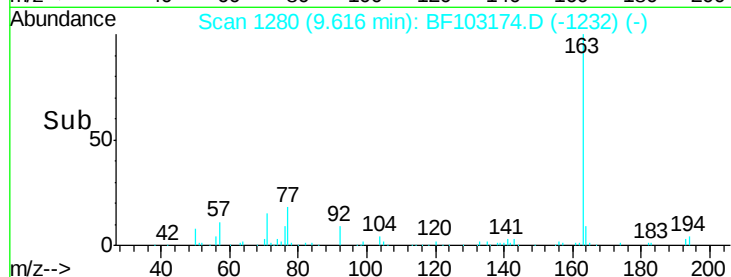
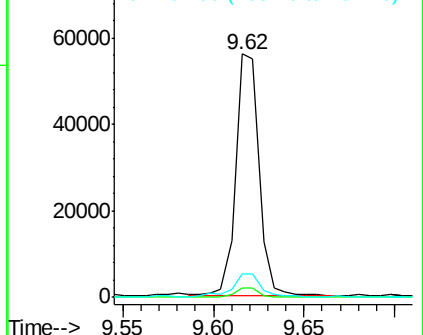
#49
Dimethylphthalate
Concen: 2.530 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF103174.D
Acq: 22 Feb 2018 20:35

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-257928

Tot Ion:163 Resp: 50016
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 9.6 8.2 12.2

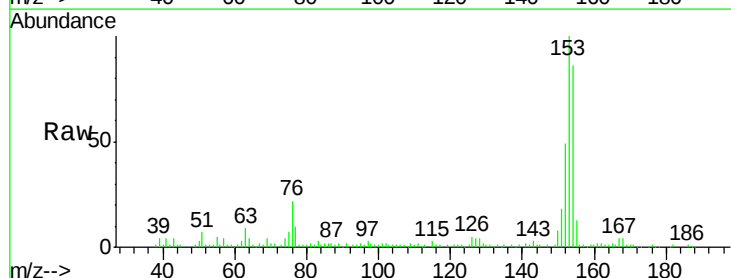


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

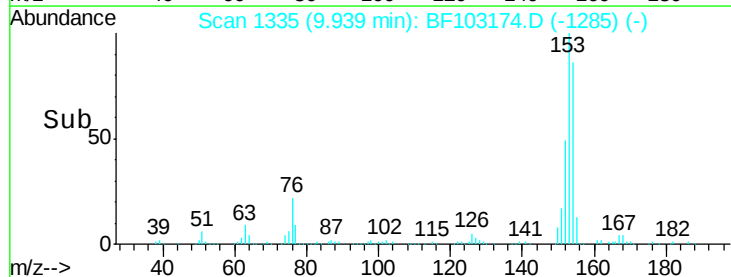
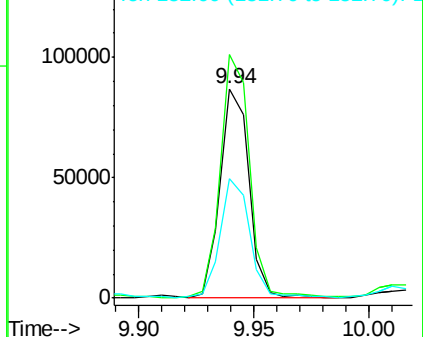


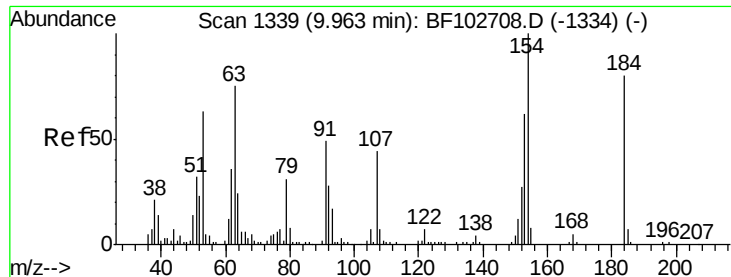
#51
Acenaphthene
Concen: 5.163 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF103174.D
Acq: 22 Feb 2018 20:35

Tgt Ion:154 Resp: 75679
Ion Ratio Lower Upper
154 100
153 116.2 91.2 136.8
152 57.1 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

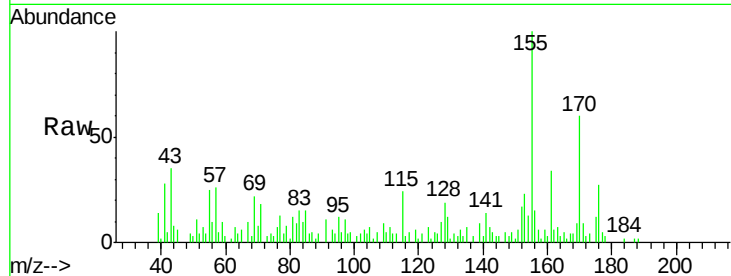




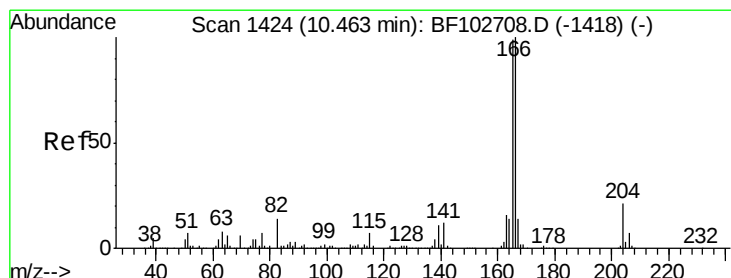
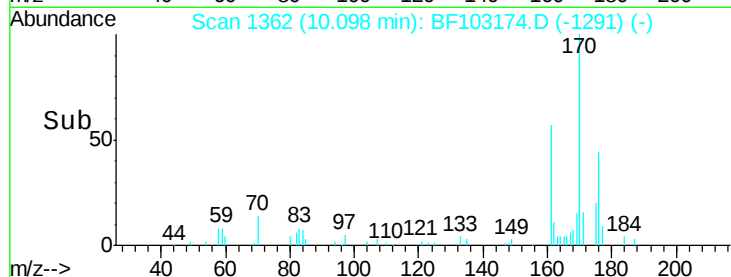
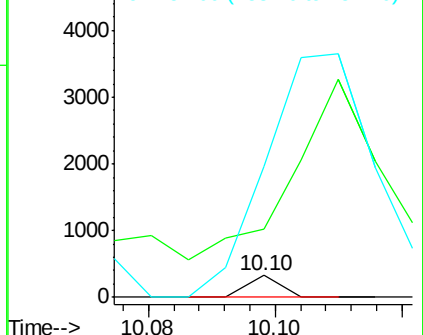
#53
2,4-Dinitrophenol
Concen: 9.689 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.12 min
Lab File: BF103174.D
Acq: 22 Feb 2018 20:35

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-257928

Tot Ion:184 Resp: 115
Ion Ratio Lower Upper
184 100
63 312.6 54.2 81.2#
154 603.1 184.0 276.0#

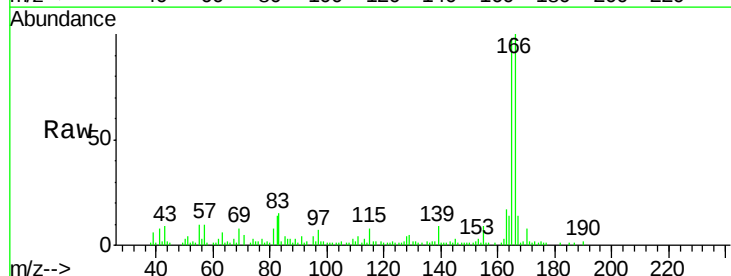


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

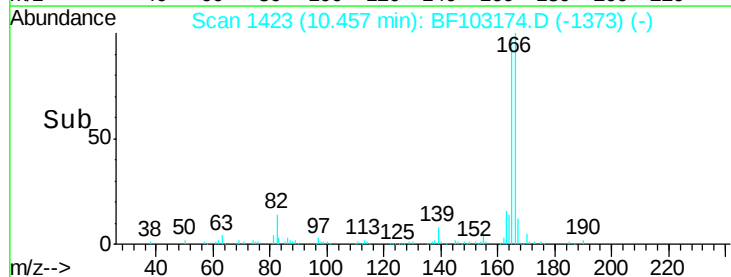
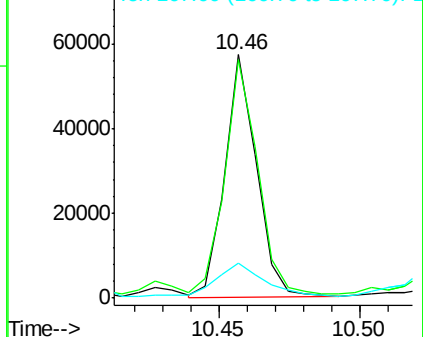


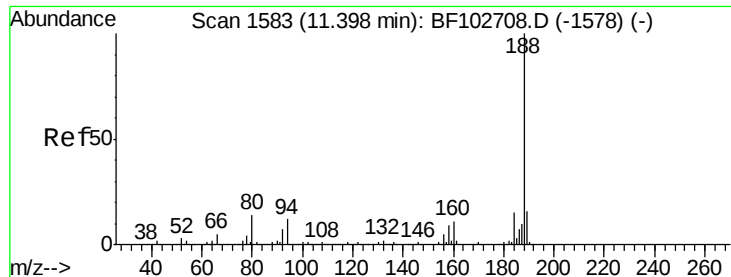
#57
Fluorene
Concen: 2.619 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BF103174.D
Acq: 22 Feb 2018 20:35

Tgt Ion:166 Resp: 44883
Ion Ratio Lower Upper
166 100
165 98.0 79.8 119.8
167 14.3 10.6 16.0



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

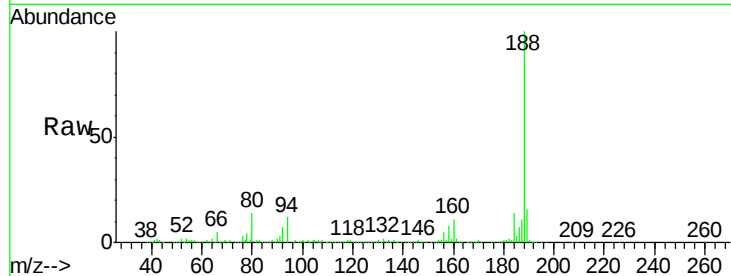




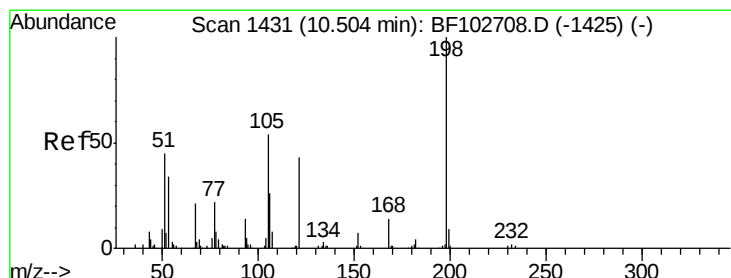
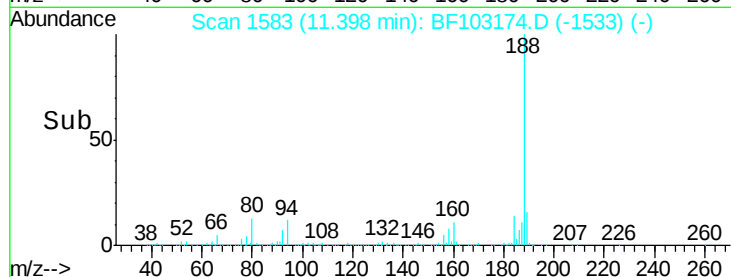
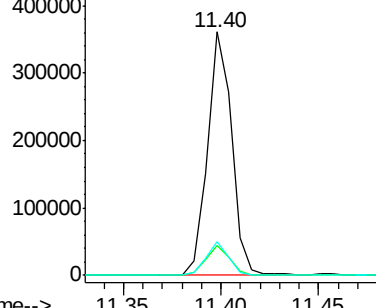
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103174.D
Acq: 22 Feb 2018 20:35

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-257928

Tot Ion:188 Resp: 309876
Ion Ratio Lower Upper
188 100
94 12.3 8.5 12.7
80 13.6 9.2 13.8

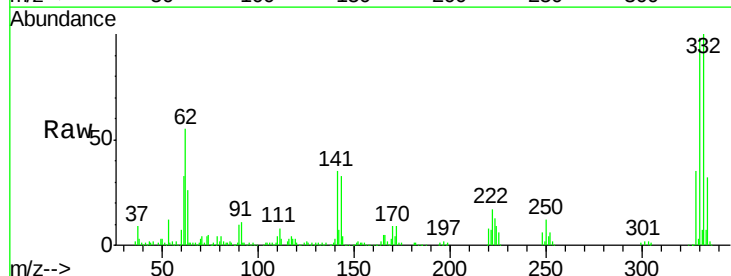


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

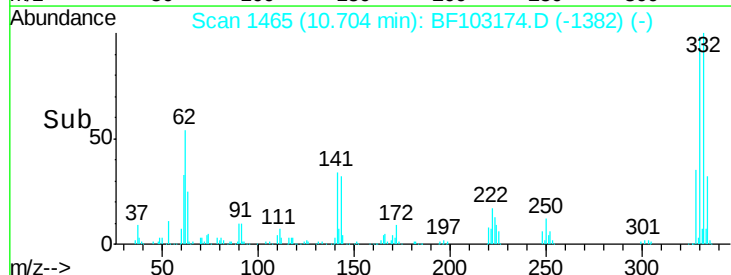
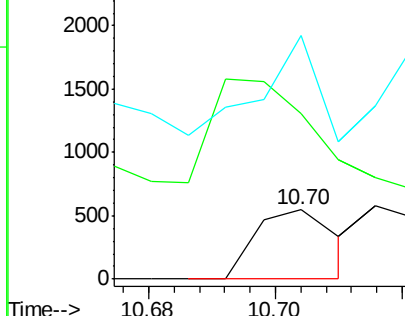


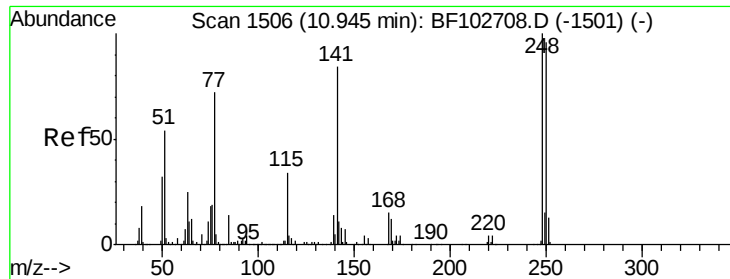
#64
4,6-Dinitro-2-methylphenol
Concen: 5.172 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.19 min
Lab File: BF103174.D
Acq: 22 Feb 2018 20:35

Tgt Ion:198 Resp: 476
Ion Ratio Lower Upper
198 100
51 238.6 37.7 77.7#
105 351.4 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

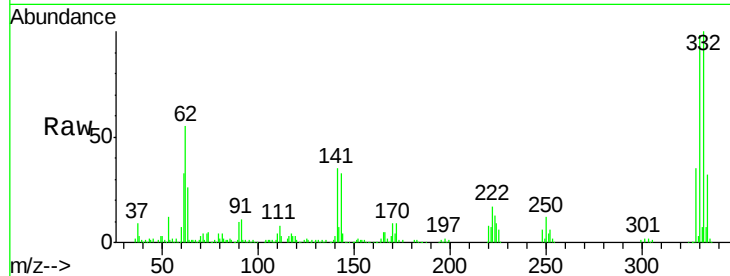




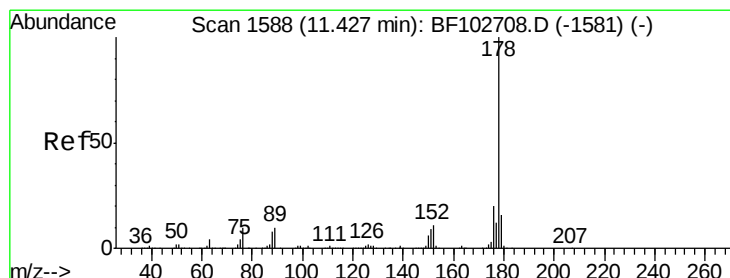
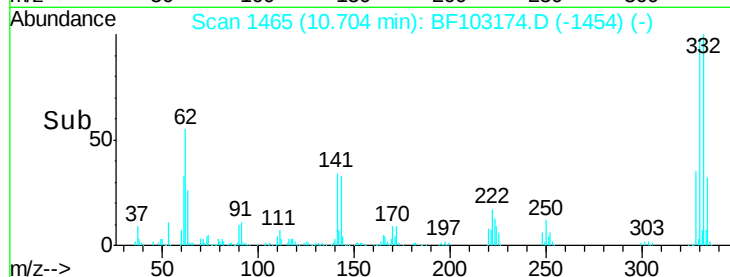
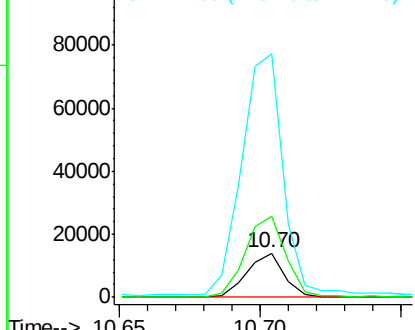
#66
 4-Bromophenyl-phenylether
 Concen: 3.958 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.24 min
 Lab File: BF103174.D
 Acq: 22 Feb 2018 20:35

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-257928

Tot Ion:248 Resp: 12776
 Ion Ratio Lower Upper
 248 100
 250 184.3 76.9 115.3#
 141 550.9 74.4 111.6#

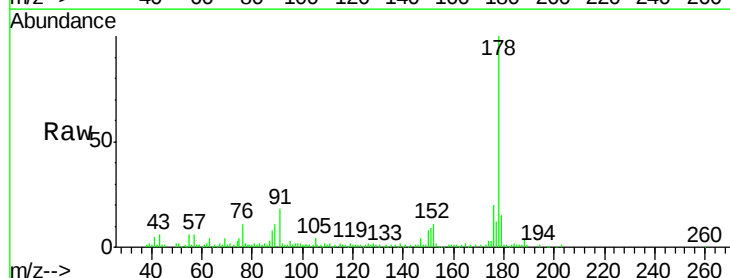


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

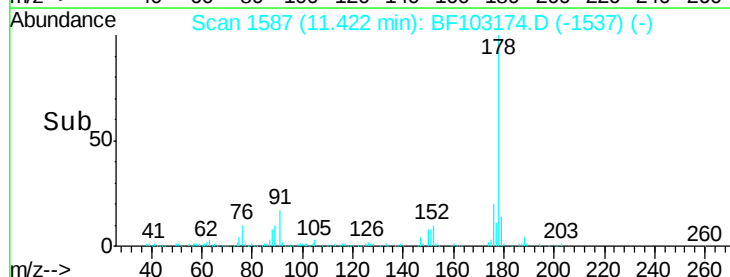
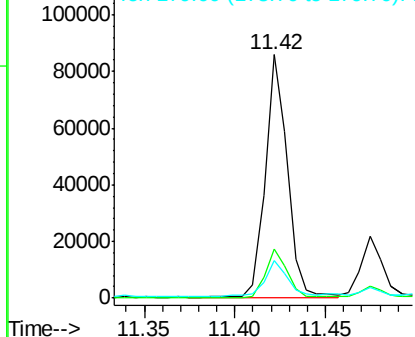


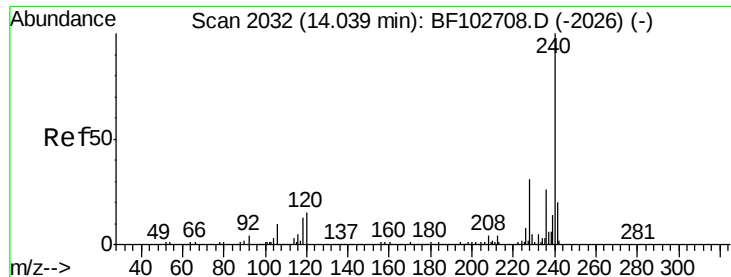
#70
 Phenanthrene
 Concen: 4.314 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF103174.D
 Acq: 22 Feb 2018 20:35

Tgt Ion:178 Resp: 73562
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.8 23.8
 179 15.3 13.0 19.6



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103174.D

Acq: 22 Feb 2018 20:35

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-257928

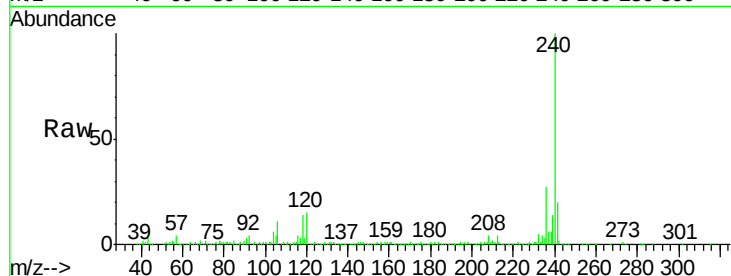
Tot Ion:240 Resp: 290973

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

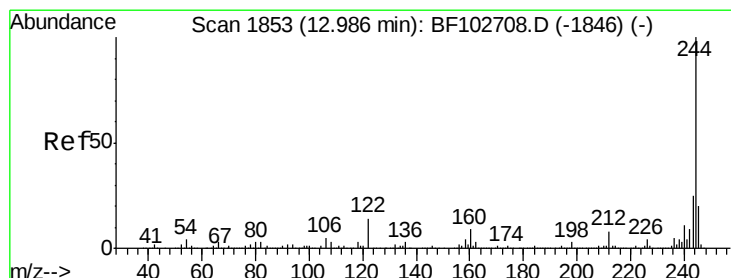
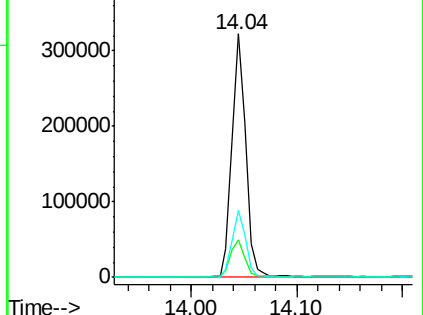
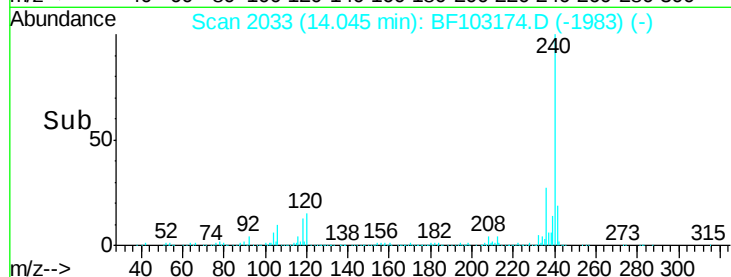
236 27.5 20.7 31.1



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



#78

Terphenyl-d14

Concen: 72.463 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF103174.D

Acq: 22 Feb 2018 20:35

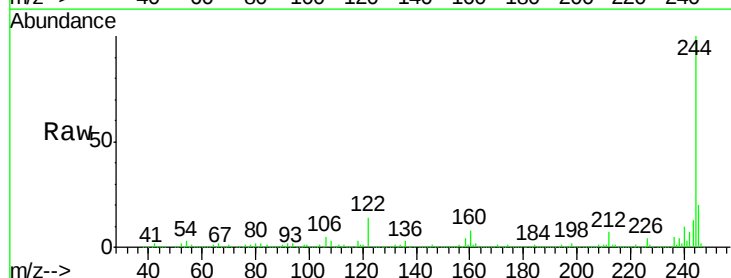
Tgt Ion:244 Resp: 877125

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

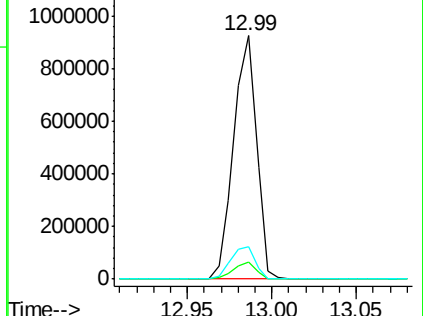
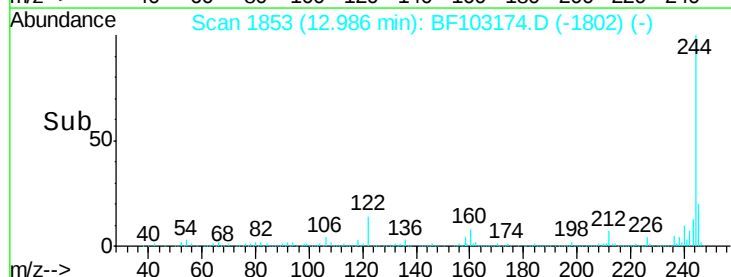
122 13.6 11.0 16.4

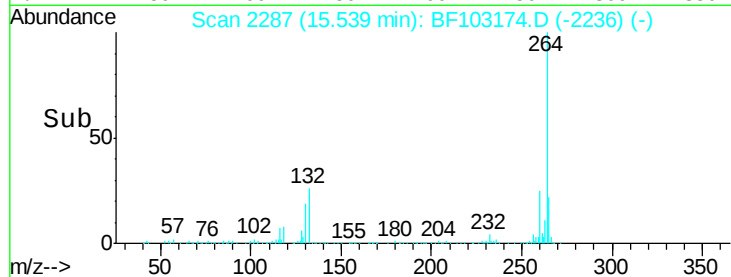
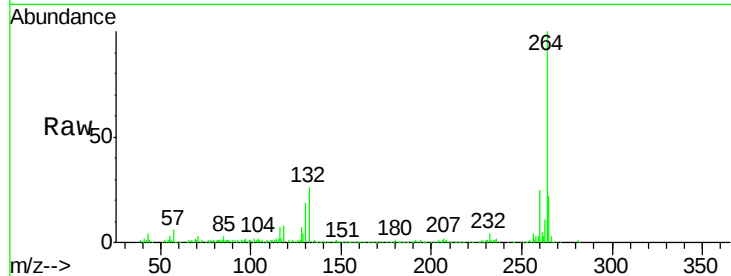
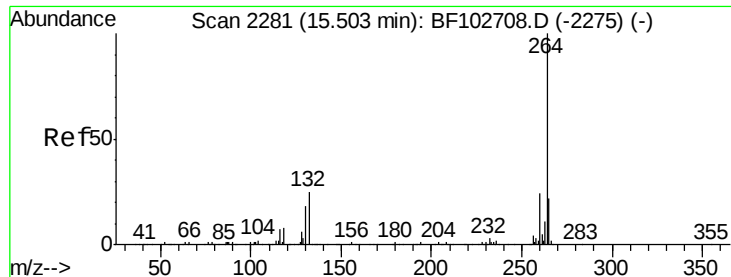


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.00 min

Lab File: BF103174.D

Acq: 22 Feb 2018 20:35

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-257928

Tot Ion:264 Resp: 261862

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

265 21.7 17.5 26.3

