

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099613.D
 Acq On : 18 Oct 2017 13:17
 Operator : SJ/JU
 Sample : I5890-16
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 18 15:21:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 15:18:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	90296	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	412513	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	196594	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	337302	20.00	ng	0.00
75) Chrysene-d12	13.99	240	190602	20.00	ng	0.00
86) Perylene-d12	15.46	264	185409	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	826400	145.69	ng	0.01
7) Phenol-d6	6.47	99	946826	135.31	ng	0.00
23) Nitrobenzene-d5	7.40	82	533522	82.94	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	193228	120.12	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	791767	67.23	ng	0.00
78) Terphenyl-d14	12.93	244	535088	63.84	ng	0.00

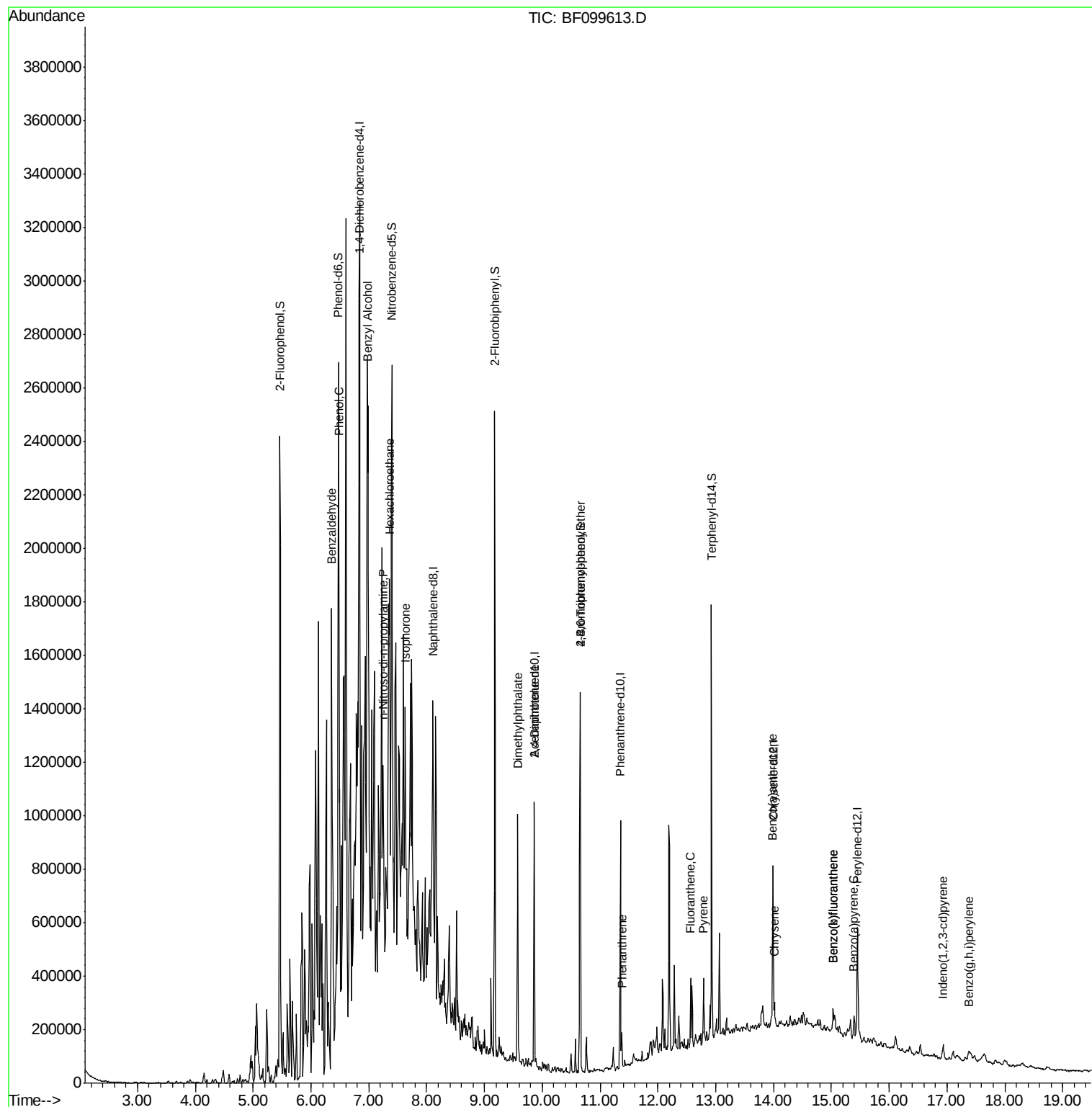
Target Compounds				Qvalue		
9) Benzaldehyde	6.36	77	10992	2.708	ng	# 28
10) Phenol	6.49	94	62157	7.943	ng	# 99
15) Benzyl Alcohol	6.99	79	20343	3.963	ng	# 43
18) Hexachloroethane	7.36	117	20876	8.485	ng	# 1
19) n-Nitroso-di-n-propylamine	7.25	70	41924	9.384	ng	# 60
25) Isophorone	7.63	82	60095	4.519	ng	# 1
49) Dimethylphthalate	9.57	163	312927	21.090	ng	100
56) 2,4-Dinitrotoluene	9.86	165	26429	6.304	ng	# 24
66) 4-Bromophenyl-phenylether	10.66	248	12652	3.832	ng	# 1
70) Phenanthrene	11.37	178	49809	2.759	ng	97
74) Fluoranthene	12.56	202	89771	4.910	ng	98
77) Pyrene	12.79	202	87736	6.037	ng	99
80) Benzo(a)anthracene	13.98	228	39567	3.428	ng	98
82) Chrysene	14.02	228	35312	3.214	ng	97
85) Indeno(1,2,3-cd)pyrene	16.93	276	27615	3.142	ng	93
87) Benzo(b)fluoranthene	15.03	252	60632	5.319	ng	# 90
88) Benzo(k)fluoranthene	15.03	252	60632	5.385	ng	# 93
89) Benzo(a)pyrene	15.40	252	36113	3.451	ng	# 91
91) Benzo(a,h,i)perylene	17.38	276	28202	3.407	ng	# 92

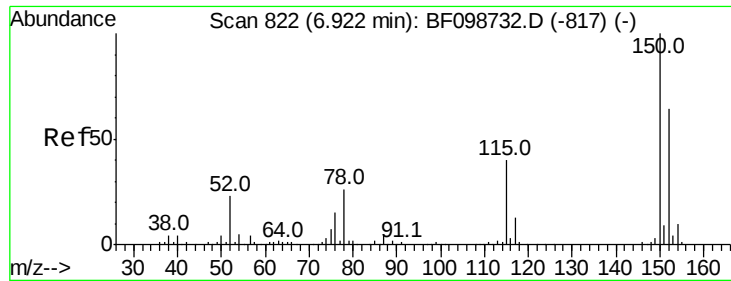
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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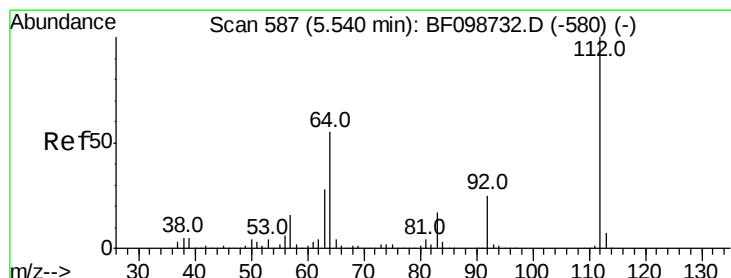
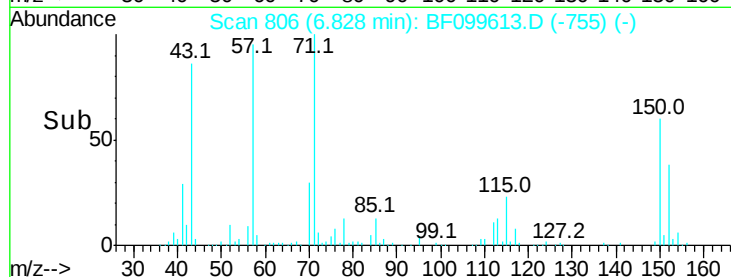
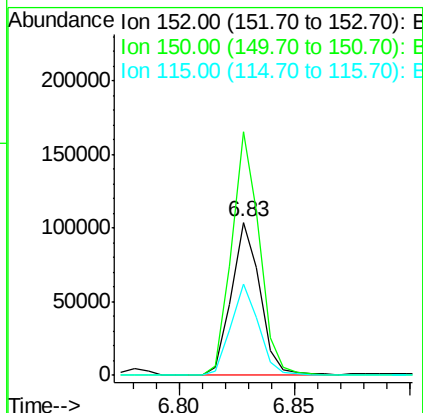
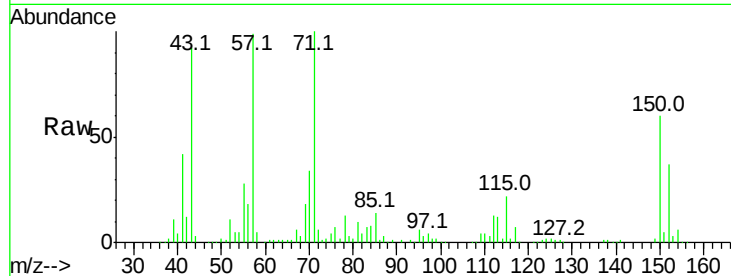


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BF099613.D
 Acq: 18 Oct 2017 13:17

Instrument :
 BNA_F
 ClientSampleId :

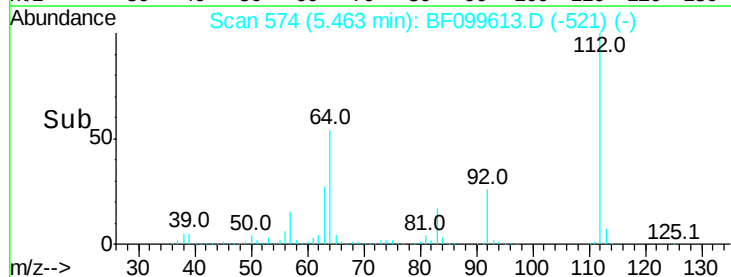
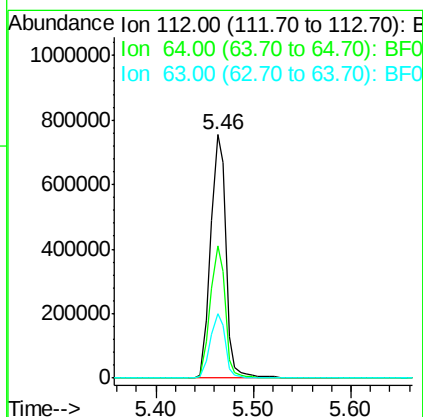
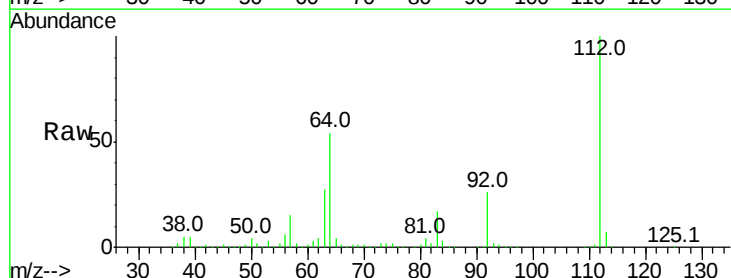
Tot Ion:152 Resp: 90296
 Ion Ratio Lower Upper
 152 100
 150 159.4 124.6 186.8
 115 59.9 50.1 75.1

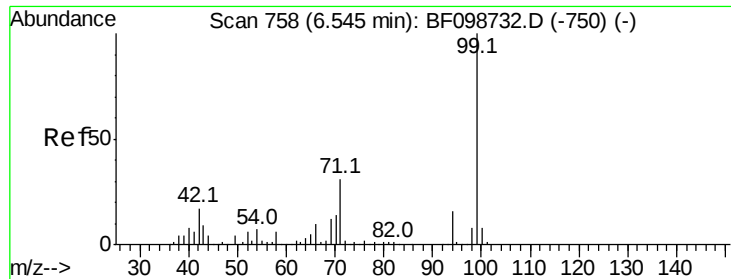


#5

2-Fluorophenol
 Concen: 145.693 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.01 min
 Lab File: BF099613.D
 Acq: 18 Oct 2017 13:17

Tgt Ion:112 Resp: 826400
 Ion Ratio Lower Upper
 112 100
 64 54.2 47.9 71.9
 63 26.5 23.7 35.5





#7

Phenol-d6

Concen: 135.313 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099613.D

Acq: 18 Oct 2017 13:17

Instrument :

BNA_F

ClientSampled :

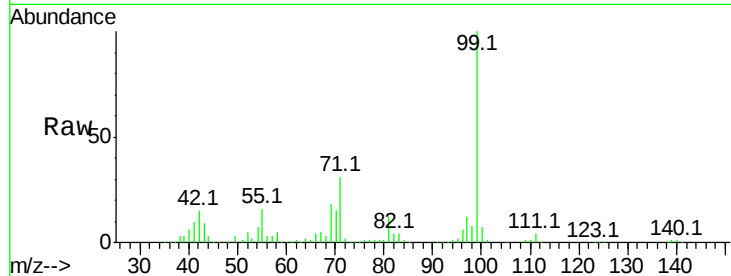
Tot Ion: 99 Resp: 946826

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

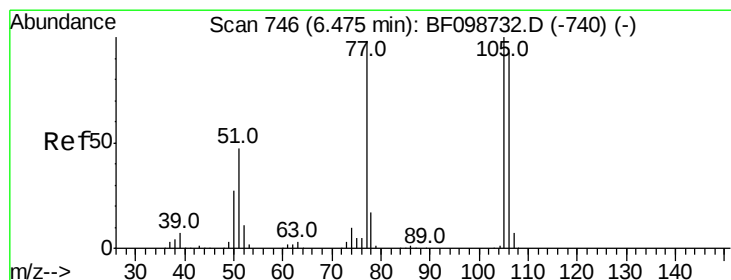
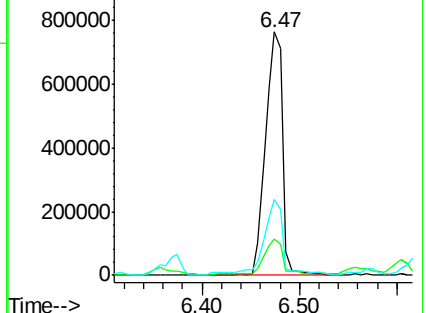
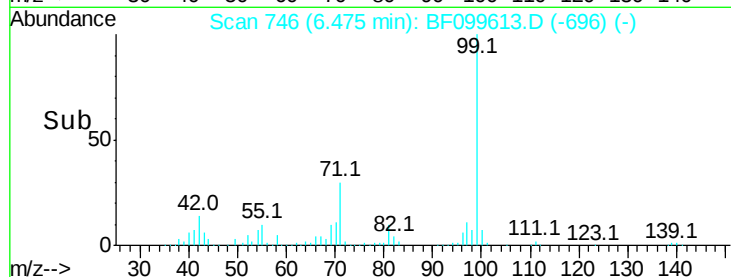
71 31.3 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.708 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF099613.D

Acq: 18 Oct 2017 13:17

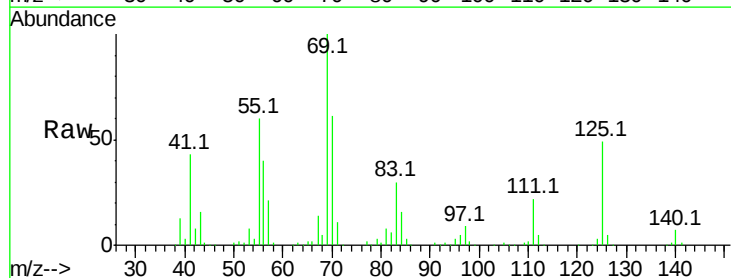
Tgt Ion: 77 Resp: 10992

Ion Ratio Lower Upper

77 100

105 48.3 81.1 121.1#

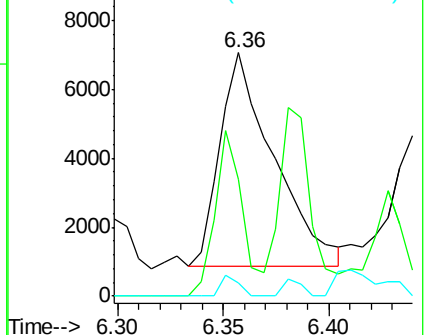
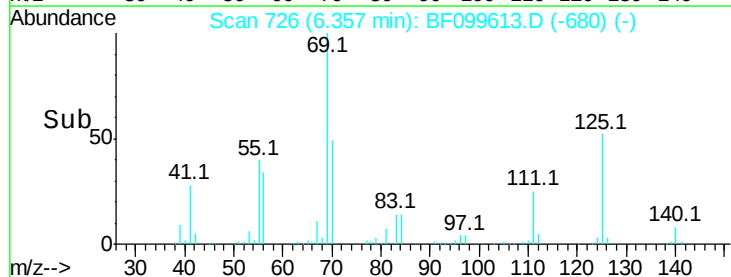
106 5.4 74.5 114.5#

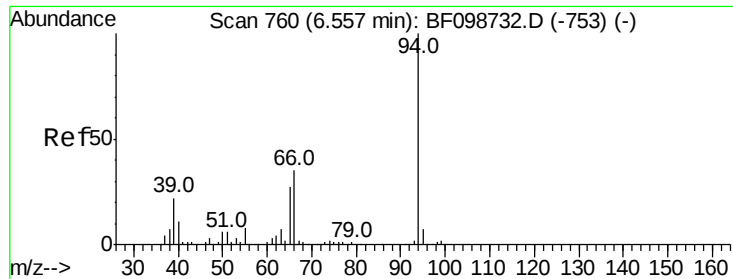


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 7.943 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF099613.D

Acq: 18 Oct 2017 13:17

Instrument :

BNA_F

ClientSampleId :

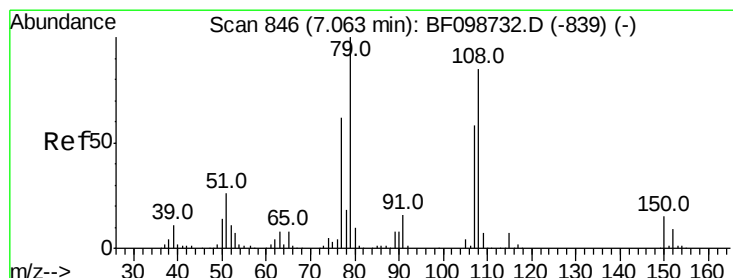
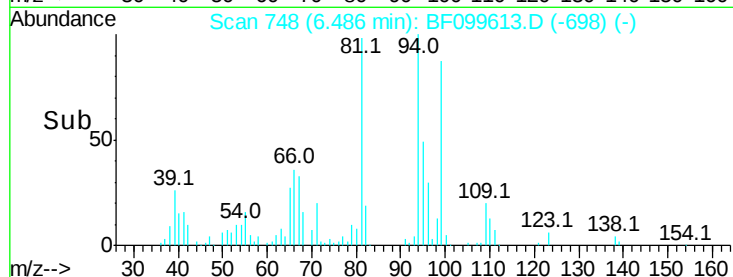
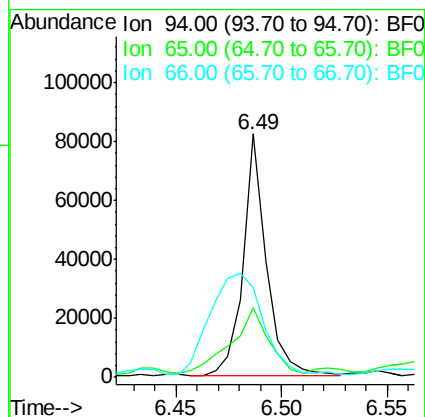
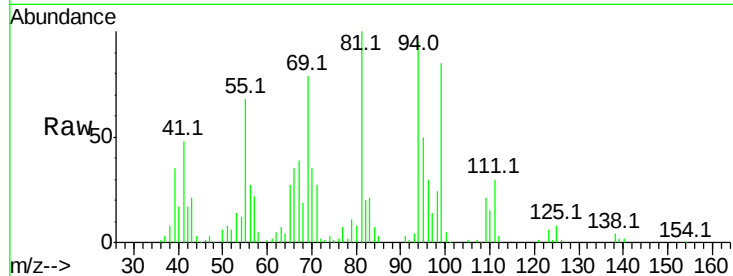
Tot Ion: 94 Resp: 62157

Ion Ratio Lower Upper

94 100

65 28.8 7.9 47.9

66 37.0 16.2 56.2



#15

Benzyl Alcohol

Concen: 3.963 ng

RT: 6.99 min Scan# 833

Delta R.T. 0.01 min

Lab File: BF099613.D

Acq: 18 Oct 2017 13:17

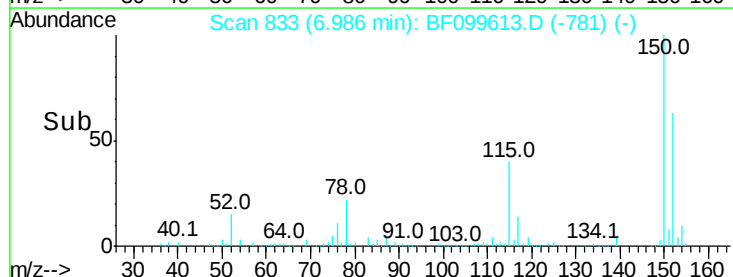
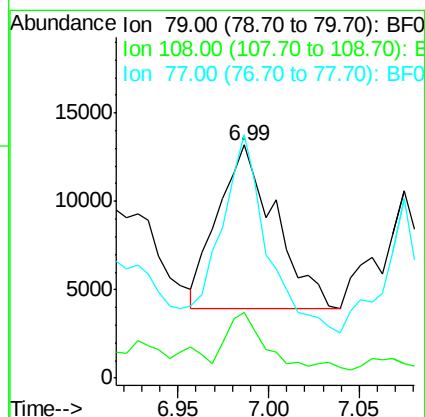
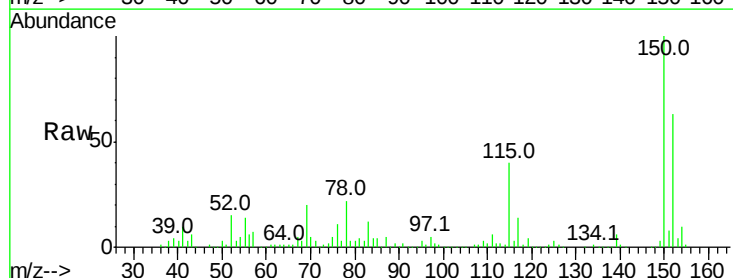
Tgt Ion: 79 Resp: 20343

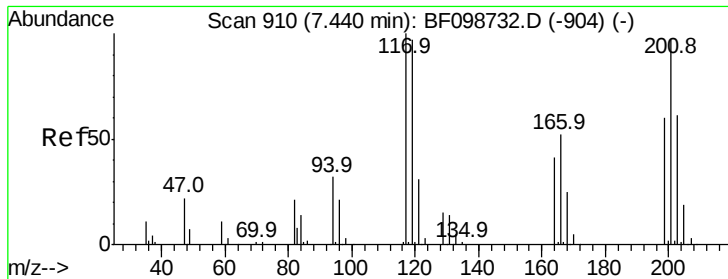
Ion Ratio Lower Upper

79 100

108 28.1 65.1 97.7#

77 104.4 50.6 75.8#

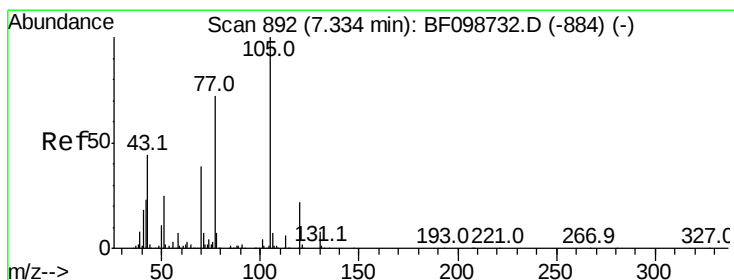
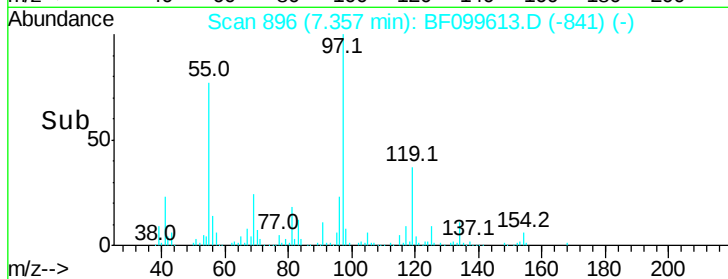
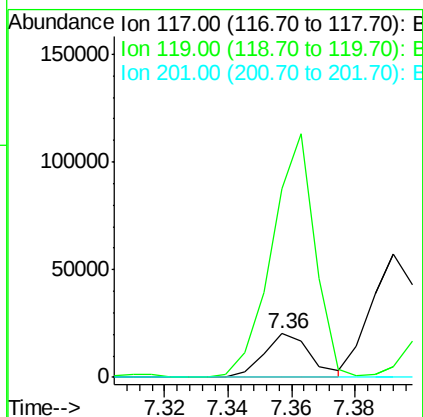
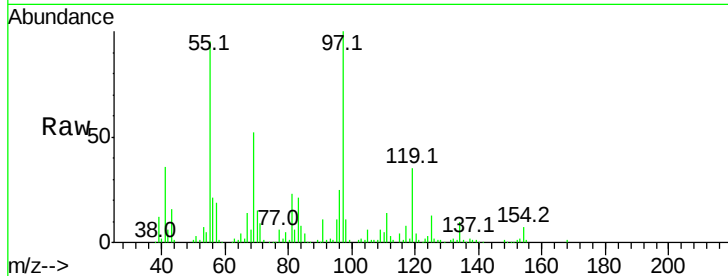




#18
Hexachloroethane
Concen: 8.485 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.02 min
Lab File: BF099613.D
Acq: 18 Oct 2017 13:17

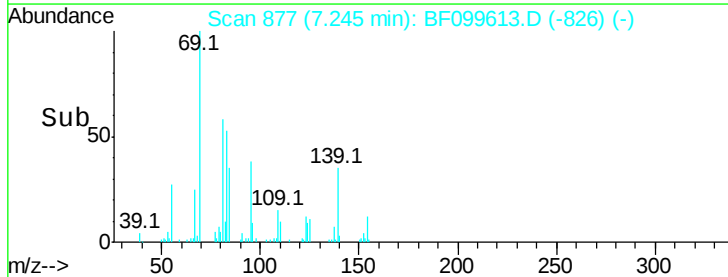
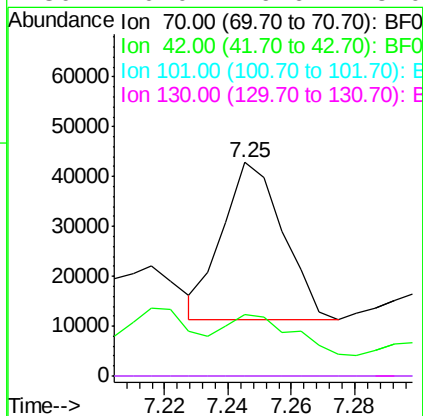
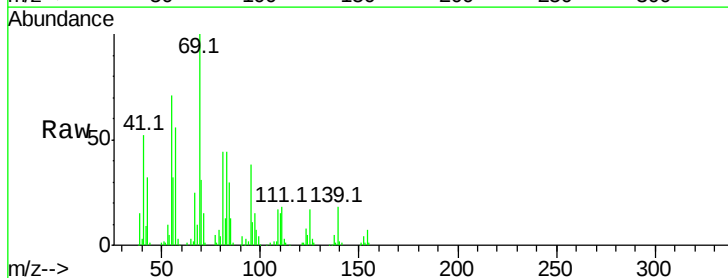
Instrument :
BNA_F
ClientSampleId :

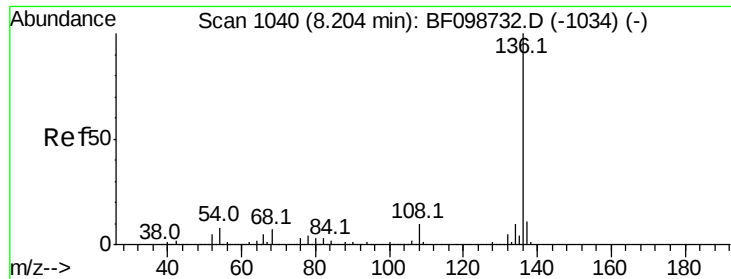
Tot Ion:117 Resp: 20876
Ion Ratio Lower Upper
117 100
119 433.0 75.8 113.8#
201 0.0 75.7 113.5#



#19
n-Nitroso-di-n-propylamine
Concen: 9.384 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: BF099613.D
Acq: 18 Oct 2017 13:17

Tgt Ion: 70 Resp: 41924
Ion Ratio Lower Upper
70 100
42 28.9 47.5 71.3#
101 0.0 7.4 11.2#
130 0.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF099613.D

Acq: 18 Oct 2017 13:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 412513

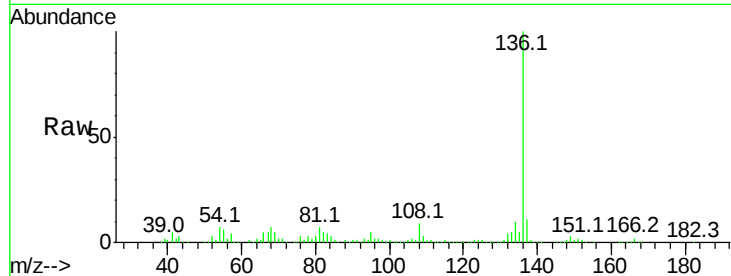
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.3 6.6 9.8

68 6.8 5.0 7.4

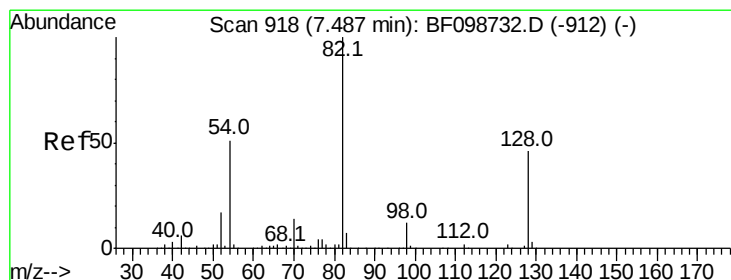
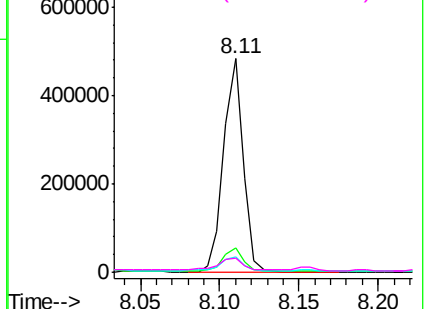
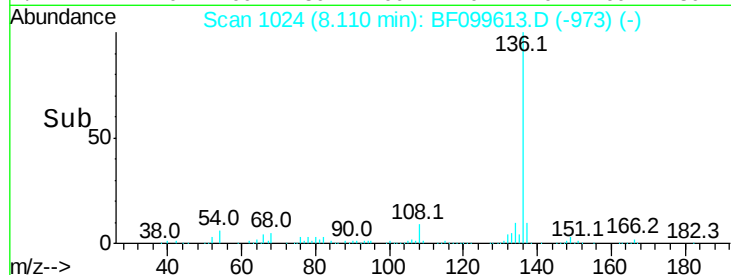


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 82.942 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.00 min

Lab File: BF099613.D

Acq: 18 Oct 2017 13:17

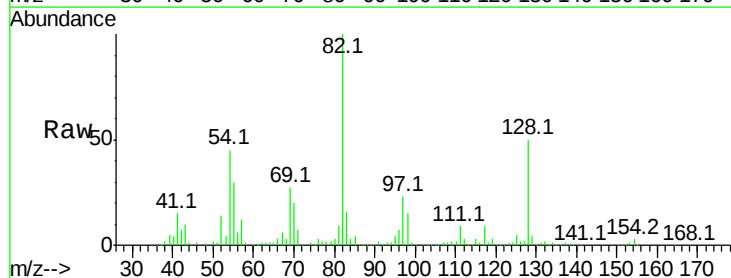
Tgt Ion: 82 Resp: 533522

Ion Ratio Lower Upper

82 100

128 49.9 36.1 54.1

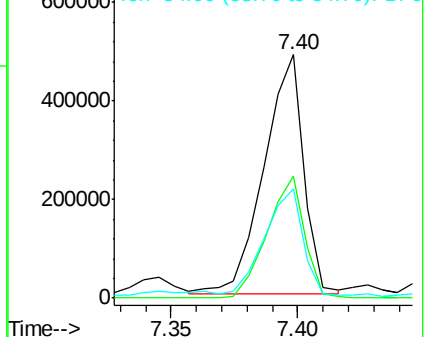
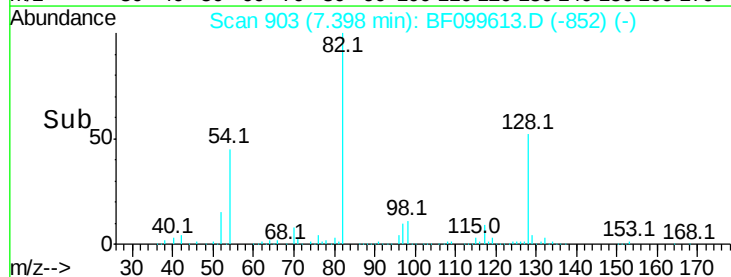
54 44.8 41.4 62.2

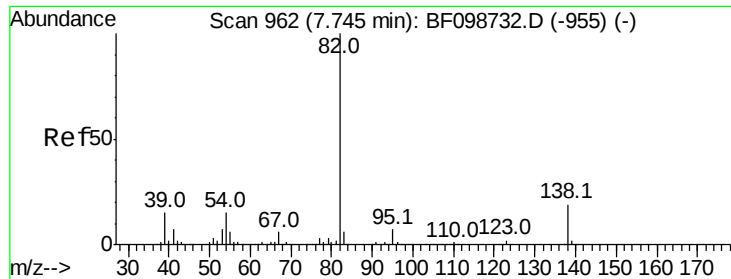


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 4.519 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF099613.D

Acq: 18 Oct 2017 13:17

Instrument :

BNA_F

ClientSampleId :

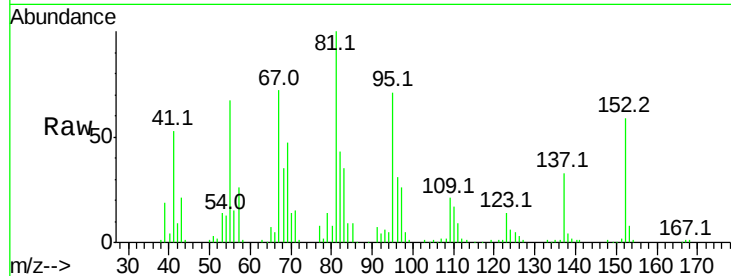
Tot Ion: 82 Resp: 60095

Ion Ratio Lower Upper

82 100

95 165.2 5.2 7.8#

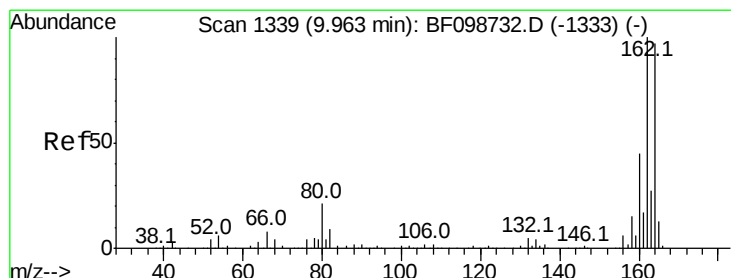
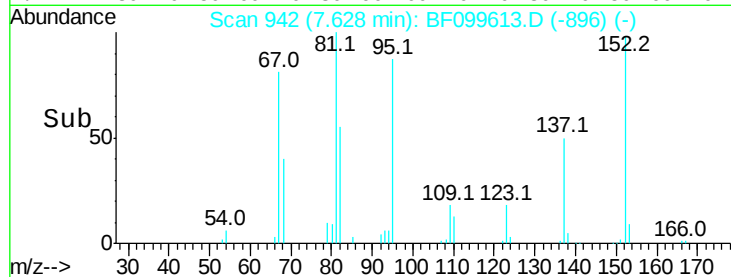
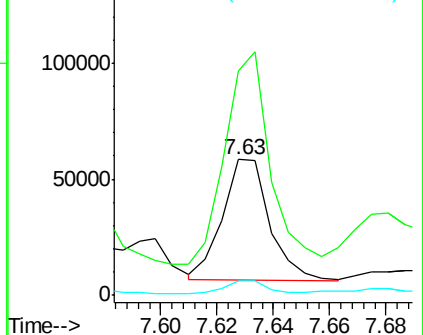
138 10.3 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF099613.D

Acq: 18 Oct 2017 13:17

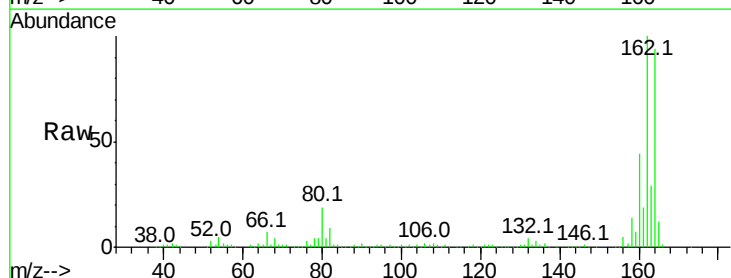
Tgt Ion:164 Resp: 196594

Ion Ratio Lower Upper

164 100

162 106.9 86.1 129.1

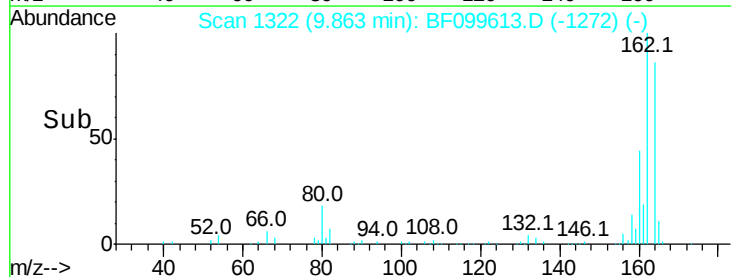
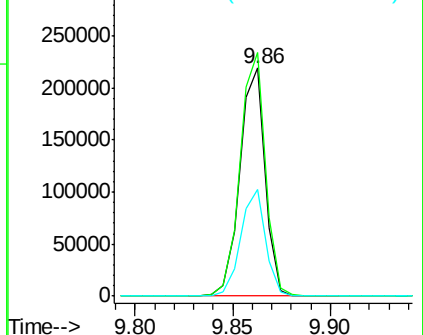
160 47.1 38.3 57.5

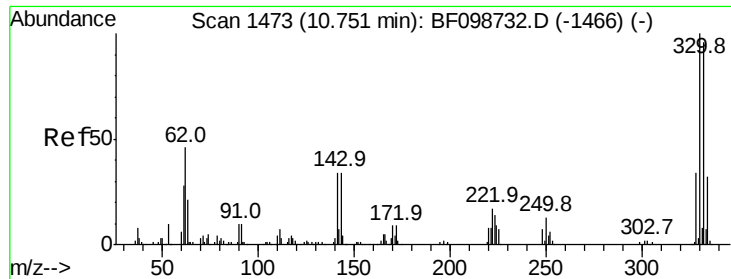


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

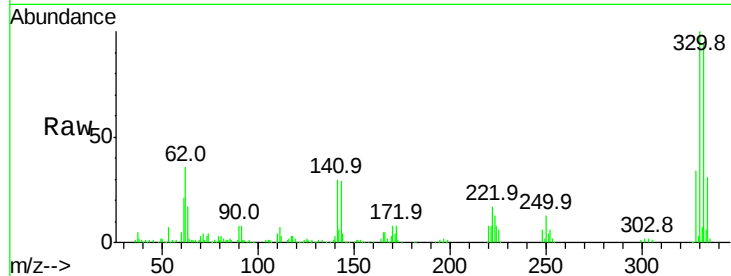




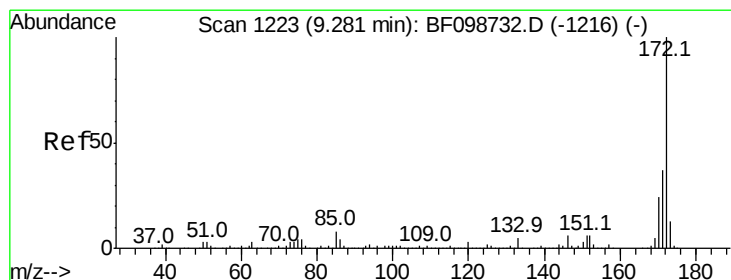
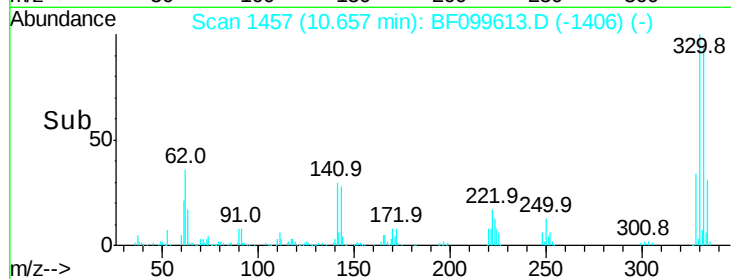
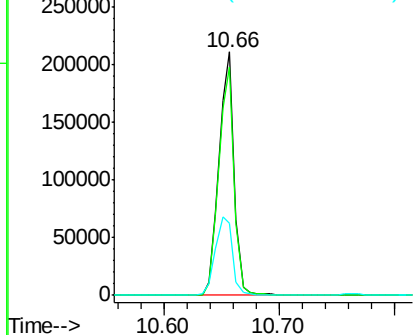
#41
 2,4,6-Tribromophenol
 Concen: 120.116 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BF099613.D
 Acq: 18 Oct 2017 13:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	37.0	29.9	44.9

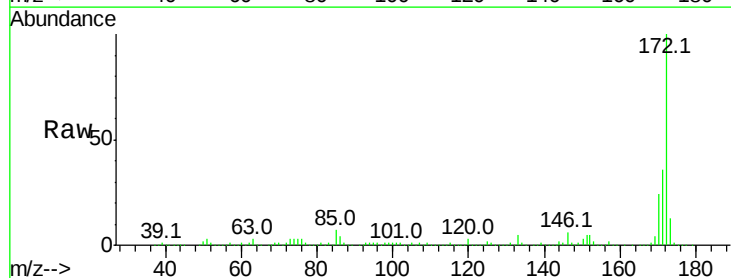


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

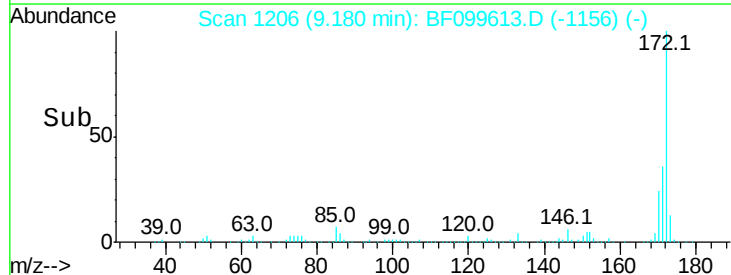
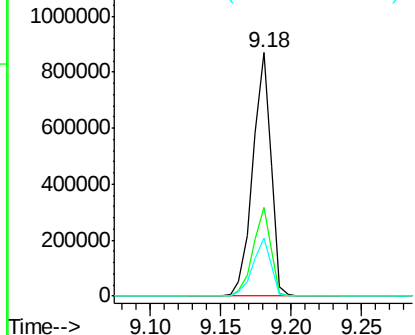


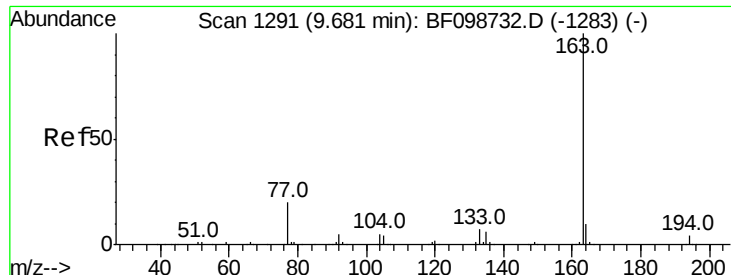
#44
 2-Fluorobiphenyl
 Concen: 67.234 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099613.D
 Acq: 18 Oct 2017 13:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.7	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

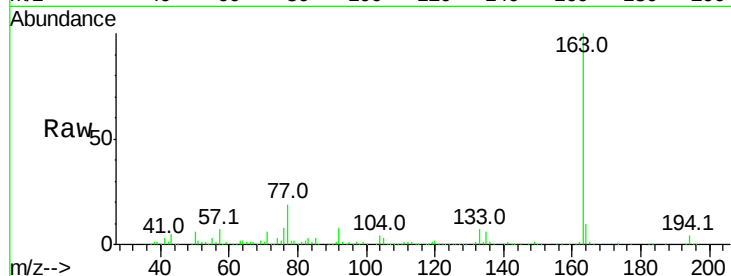




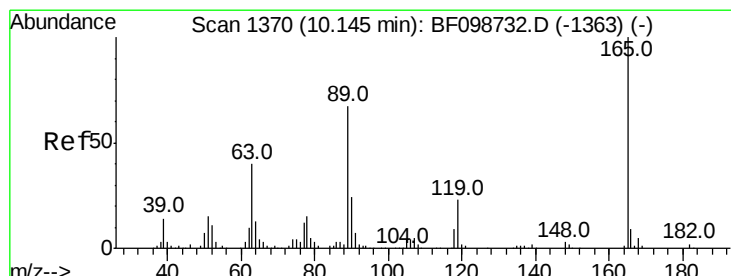
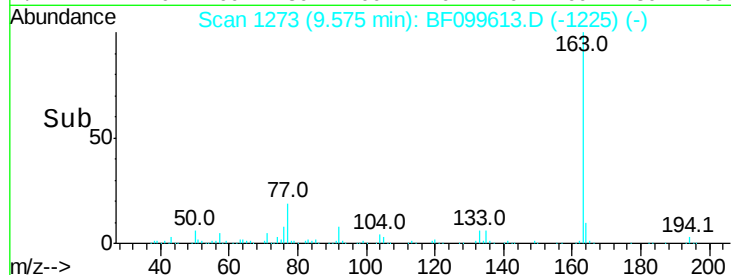
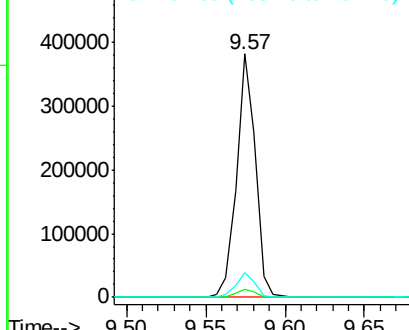
#49
Dimethylphthalate
Concen: 21.090 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BF099613.D
Acq: 18 Oct 2017 13:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 312927
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.4 8.2 12.2



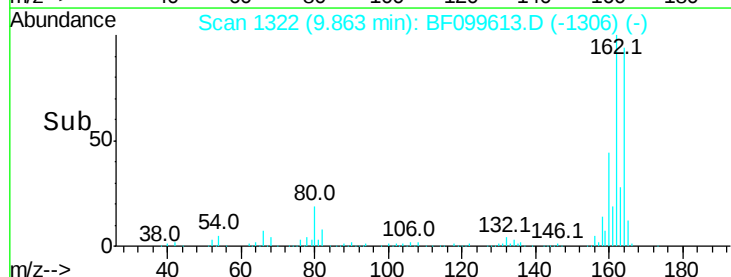
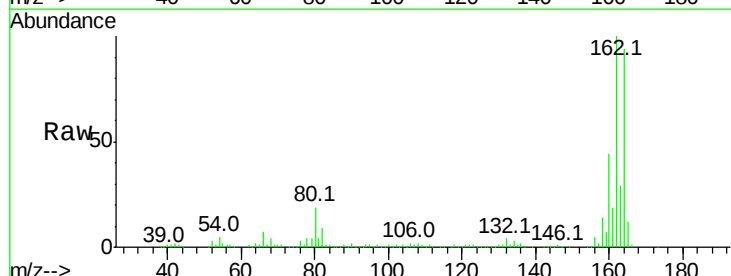
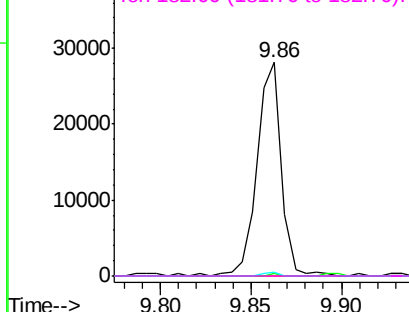
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

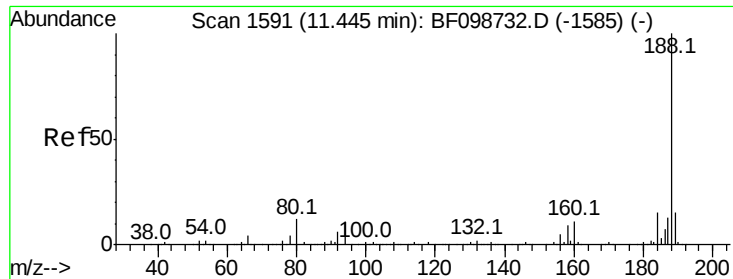


#56
2,4-Dinitrotoluene
Concen: 6.304 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.21 min
Lab File: BF099613.D
Acq: 18 Oct 2017 13:17

Tgt Ion:165 Resp: 26429
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.7 57.8 86.6#
182 0.0 1.6 2.4#

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

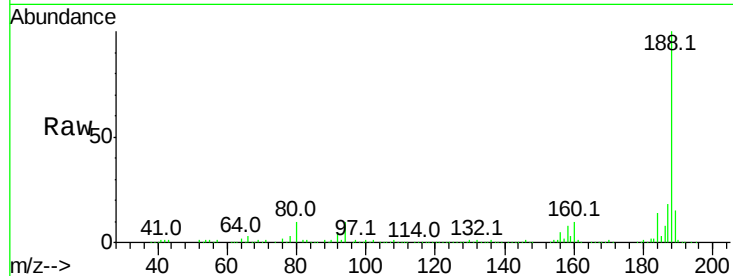




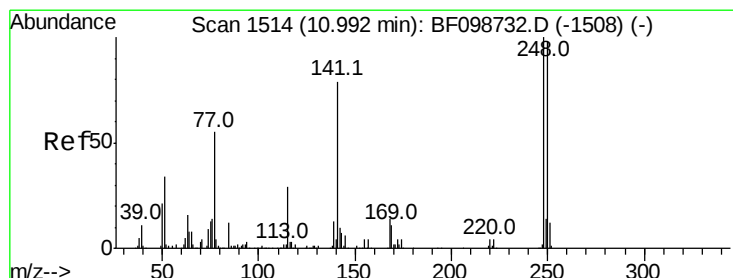
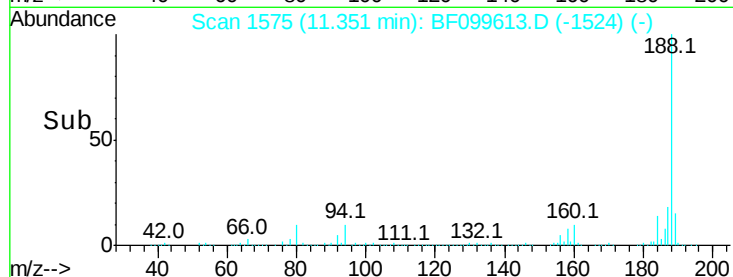
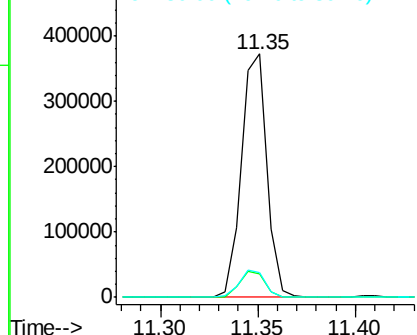
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: BF099613.D
 Acq: 18 Oct 2017 13:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 337302
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.5 12.7
 80 10.0 9.2 13.8

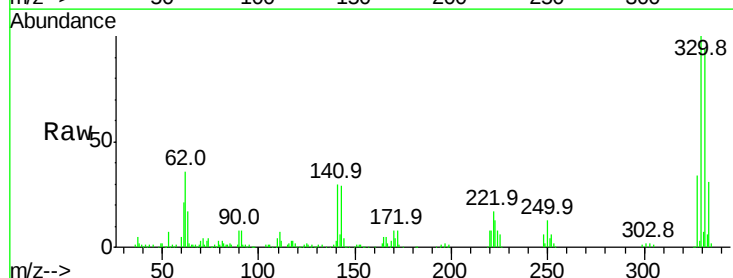


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

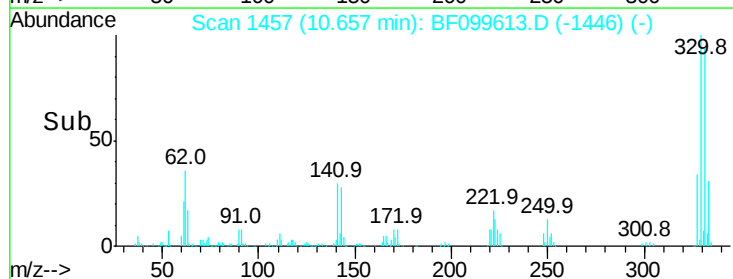
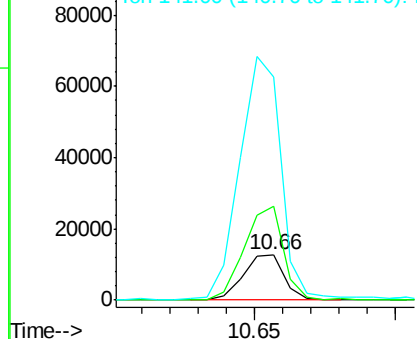


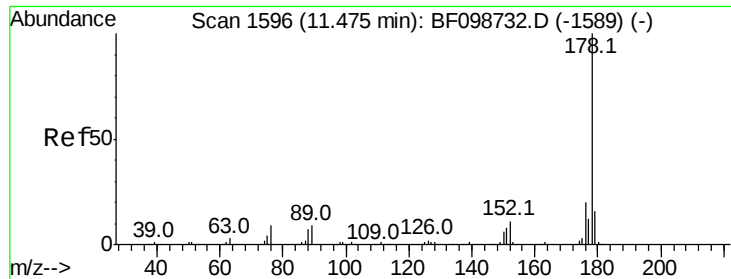
#66
 4-Bromophenyl-phenylether
 Concen: 3.832 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.23 min
 Lab File: BF099613.D
 Acq: 18 Oct 2017 13:17

Tgt Ion:248 Resp: 12652
 Ion Ratio Lower Upper
 248 100
 250 207.4 76.9 115.3#
 141 490.4 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: 2.759 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF099613.D

Acq: 18 Oct 2017 13:17

Instrument :

BNA_F

ClientSampleId :

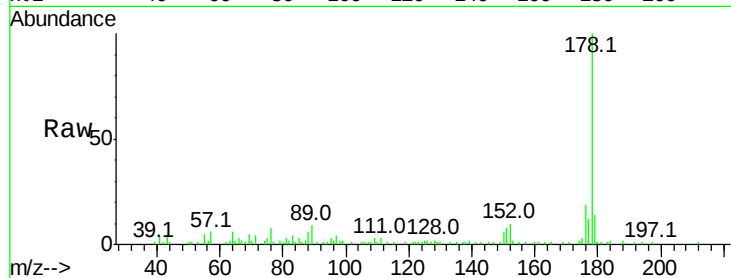
Tot Ion:178 Resp: 49809

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

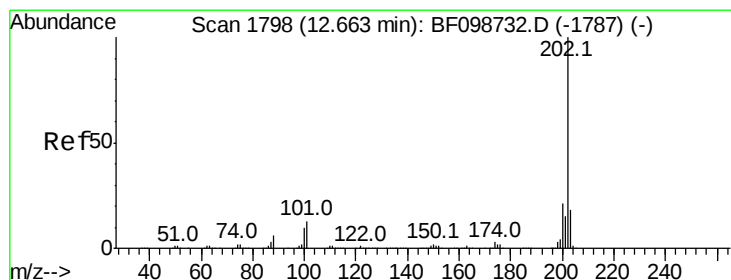
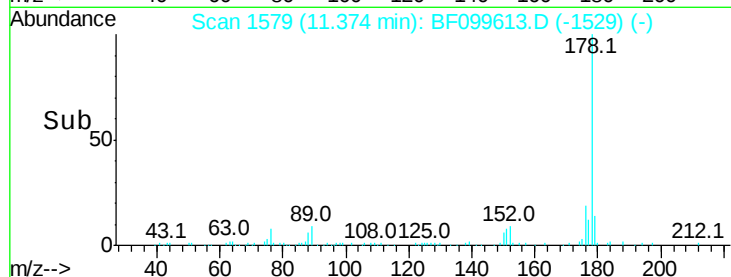
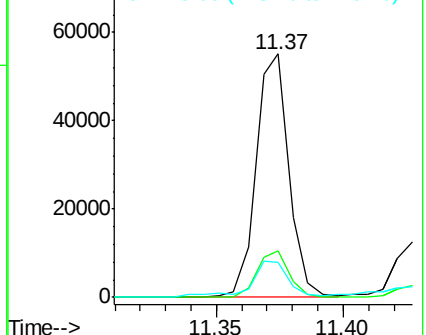
179 14.3 13.0 19.6



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



#74

Fluoranthene

Concen: 4.910 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF099613.D

Acq: 18 Oct 2017 13:17

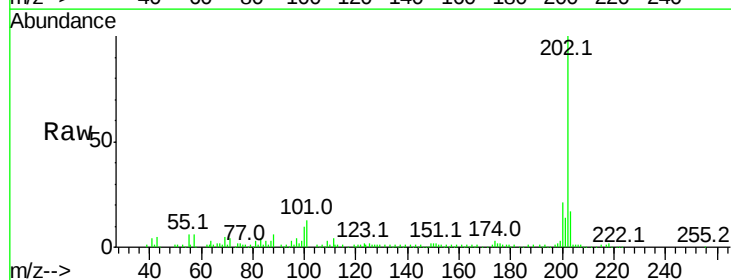
Tgt Ion:202 Resp: 89771

Ion Ratio Lower Upper

202 100

101 13.3 0.0 34.1

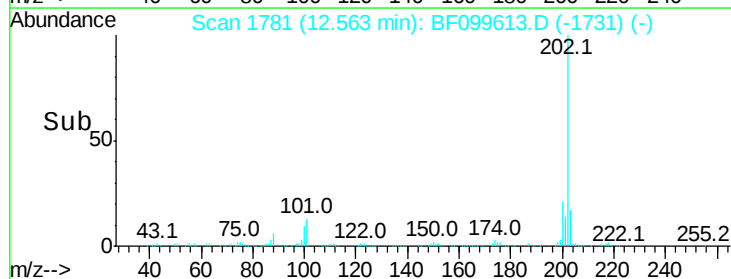
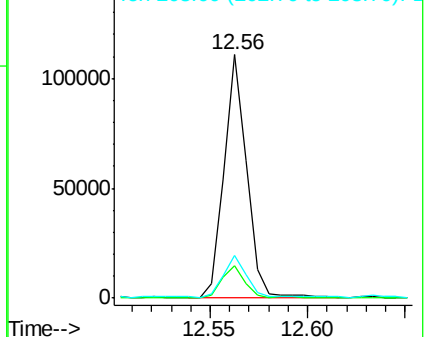
203 17.4 0.0 38.1

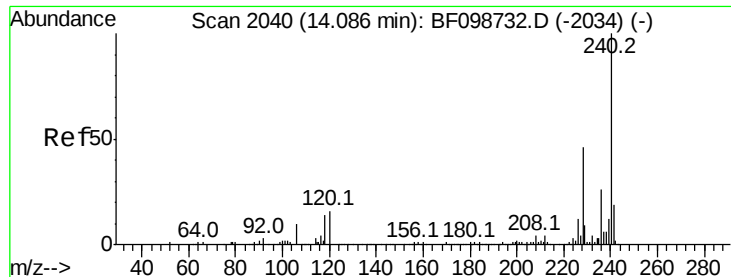


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF099613.D

Acq: 18 Oct 2017 13:17

Instrument :

BNA_F

ClientSampled :

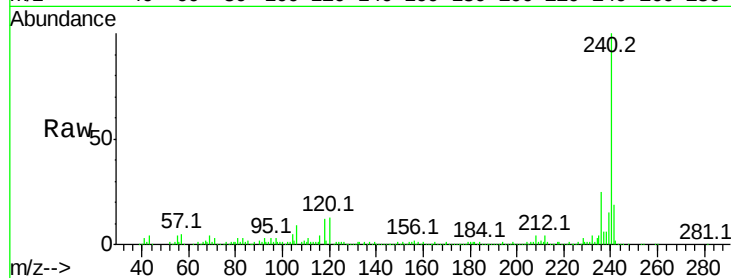
Tot Ion:240 Resp: 190602

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

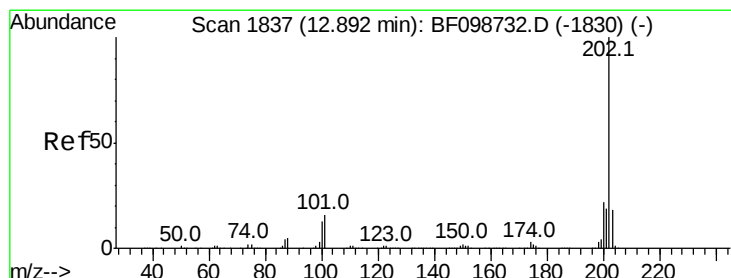
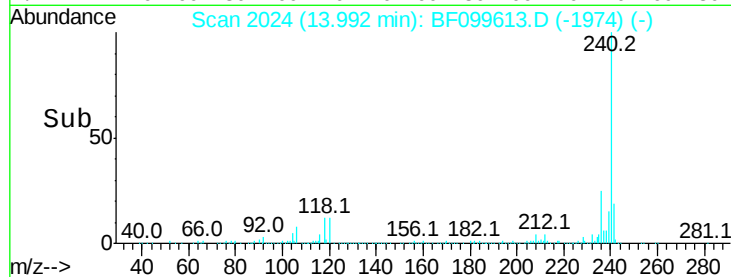
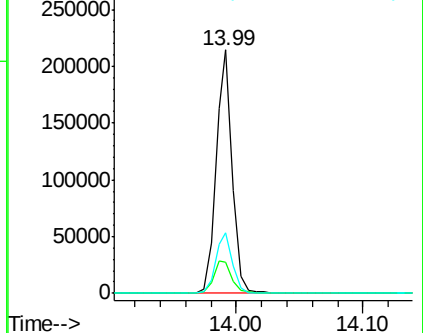
236 25.1 20.7 31.1



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



#77

Pyrene

Concen: 6.037 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF099613.D

Acq: 18 Oct 2017 13:17

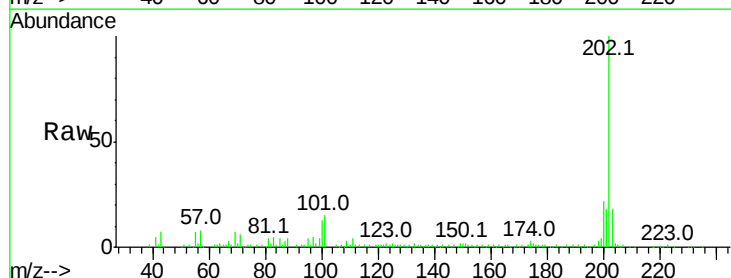
Tgt Ion:202 Resp: 87736

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

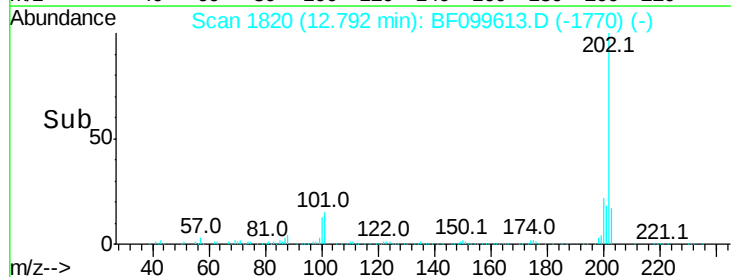
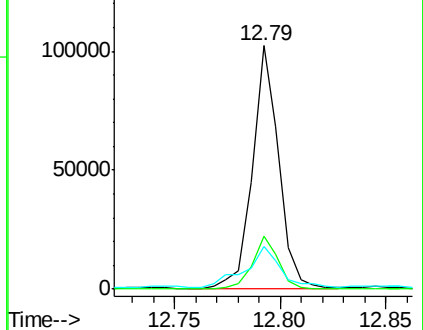
203 17.6 14.3 21.5

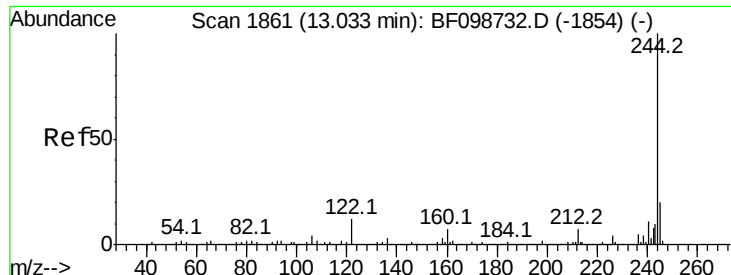


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

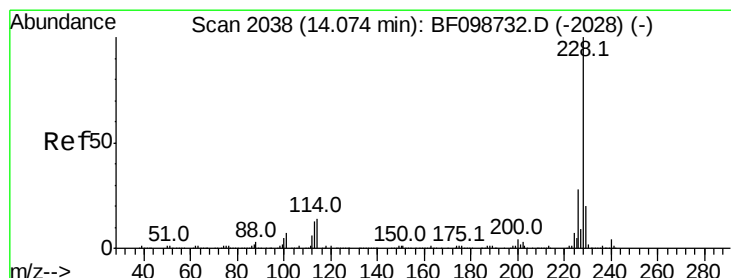
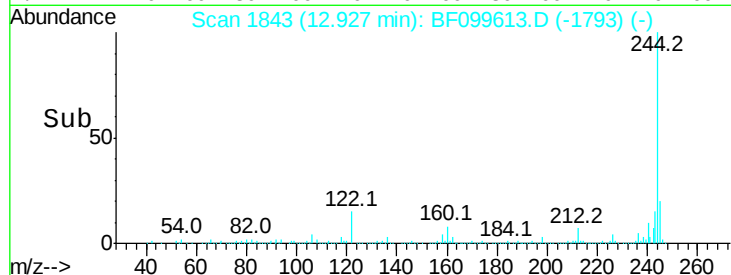
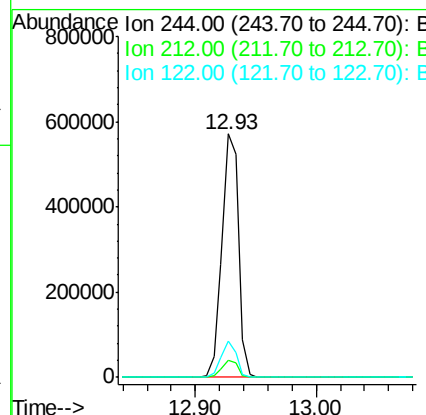
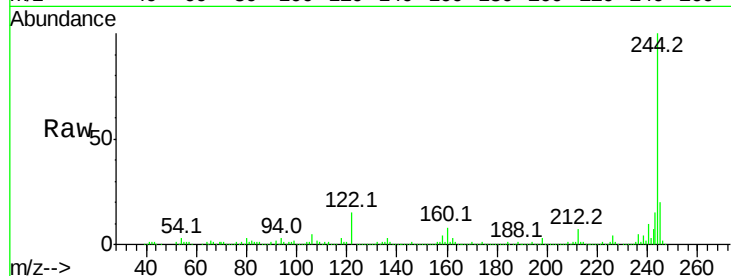




#78
 Terphenyl-d14
 Concen: 63.845 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF099613.D
 Acq: 18 Oct 2017 13:17

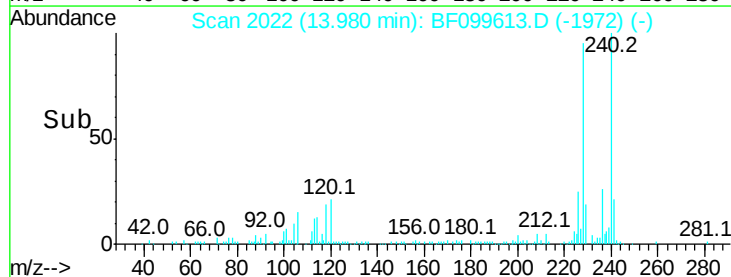
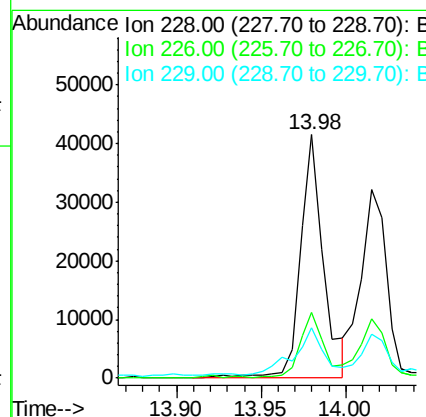
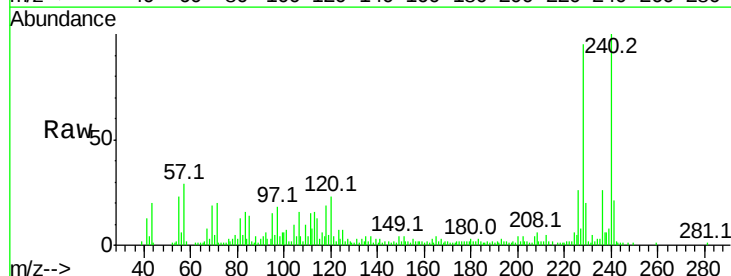
Instrument :
 BNA_F
 ClientSampleId :

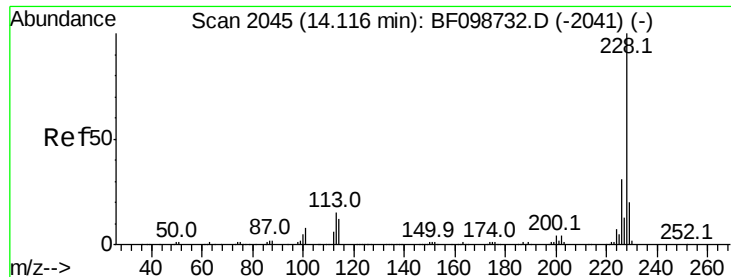
Tot Ion:244 Resp: 535088
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 14.7 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 3.428 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF099613.D
 Acq: 18 Oct 2017 13:17

Tgt Ion:228 Resp: 39567
 Ion Ratio Lower Upper
 228 100
 226 26.9 22.6 33.8
 229 20.9 15.8 23.6





#82

Chrysene

Concen: 3.214 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF099613.D

Acq: 18 Oct 2017 13:17

Instrument :

BNA_F

ClientSampled :

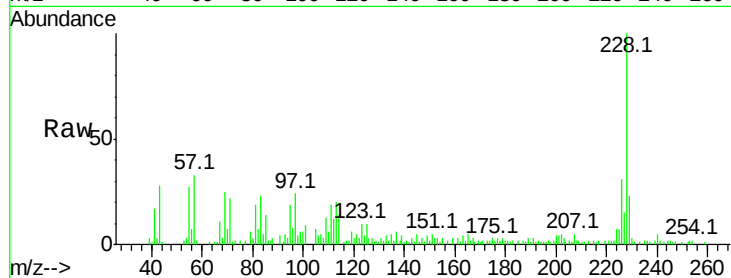
Tot Ion:228 Resp: 35312

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

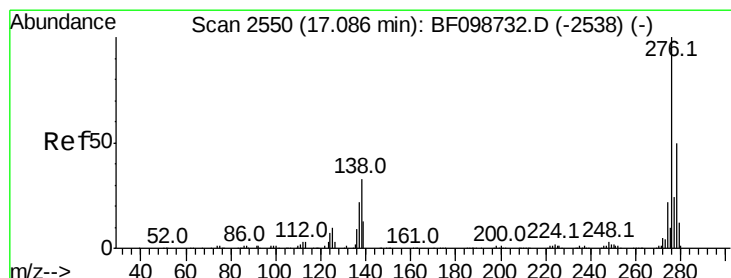
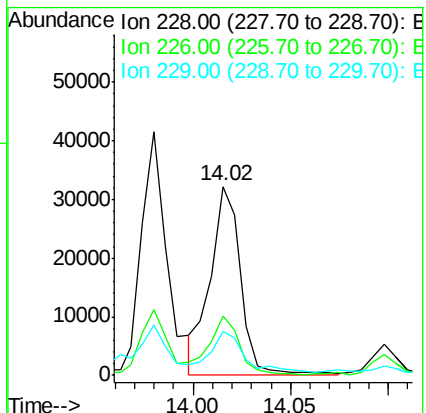
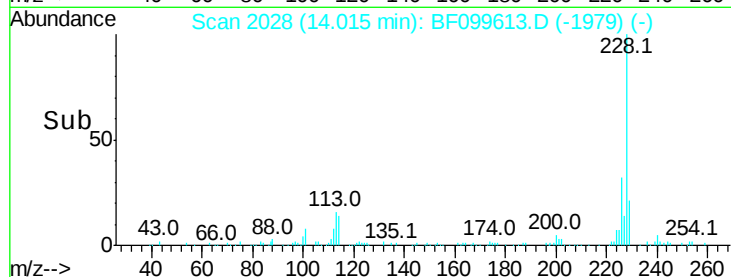
229 23.4 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.142 ng

RT: 16.93 min Scan# 2524

Delta R.T. -0.01 min

Lab File: BF099613.D

Acq: 18 Oct 2017 13:17

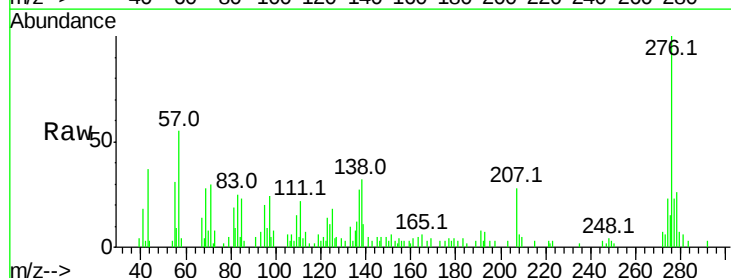
Tgt Ion:276 Resp: 27615

Ion Ratio Lower Upper

276 100

138 26.0 25.0 37.6

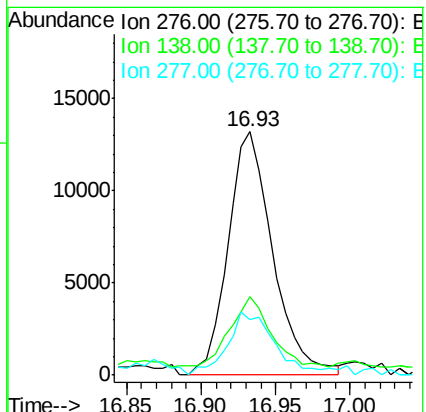
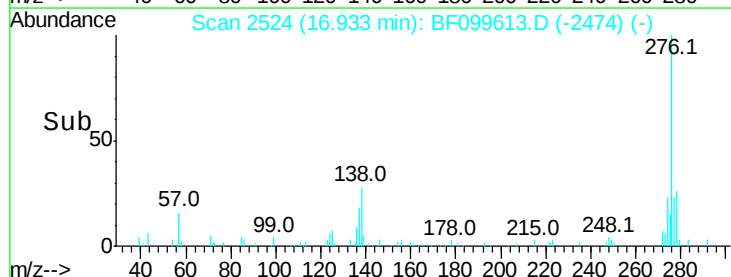
277 27.0 20.1 30.1

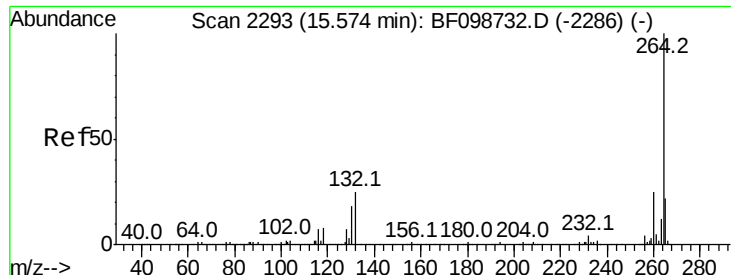


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

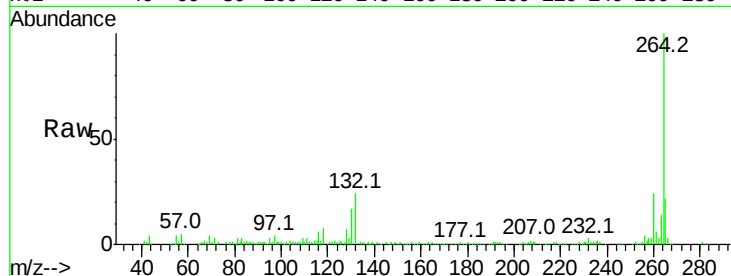




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF099613.D
Acq: 18 Oct 2017 13:17

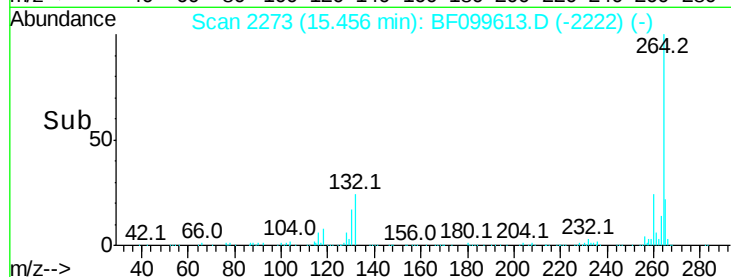
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 185409
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.8 17.5 26.3

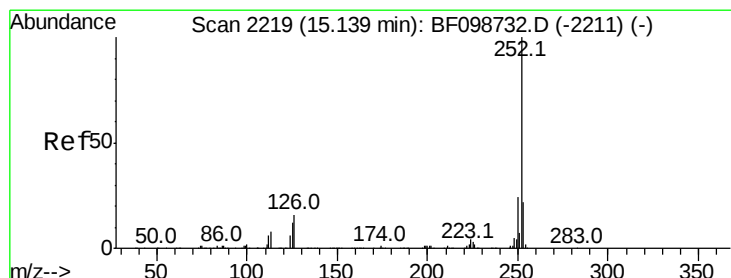


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

15.46

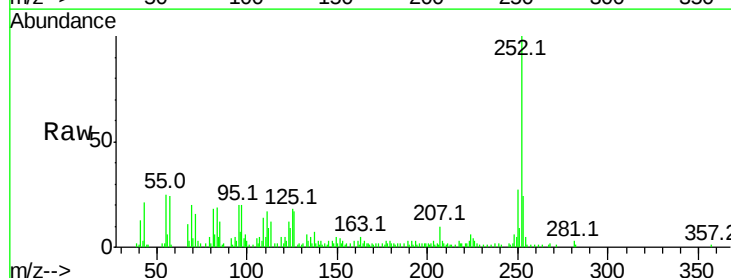


Time-->



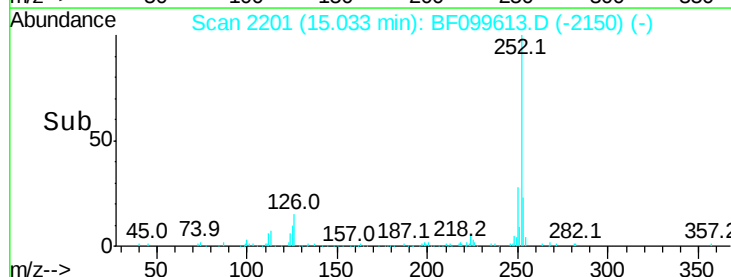
#87
Benzo(b)fluoranthene
Concen: 5.319 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF099613.D
Acq: 18 Oct 2017 13:17

Tgt Ion:252 Resp: 60632
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.6
125 18.0 9.0 13.6#

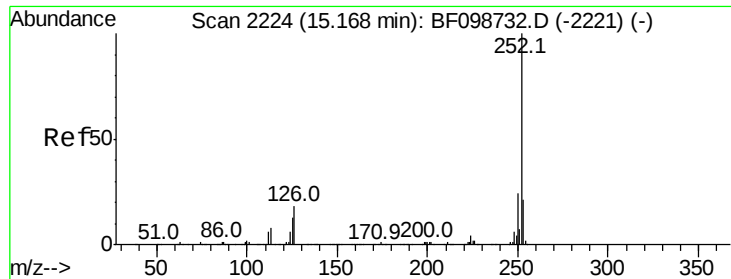


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

15.03



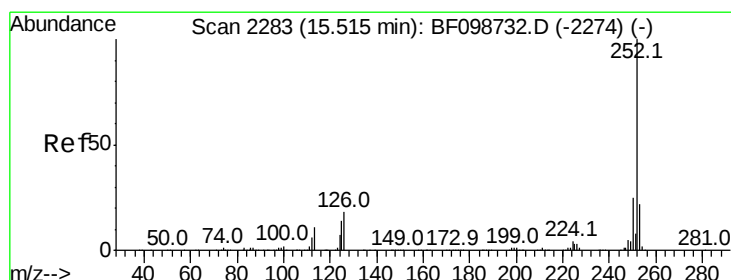
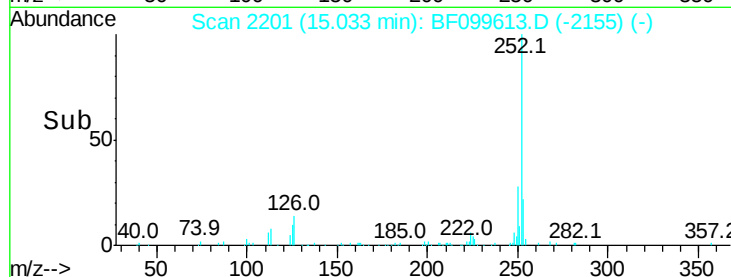
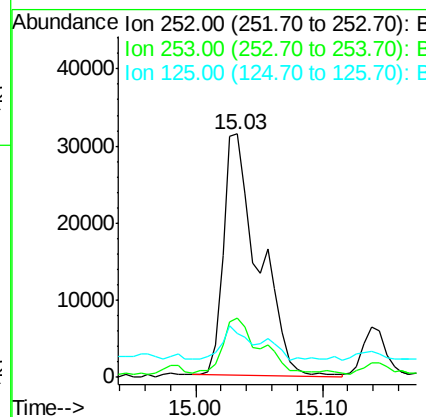
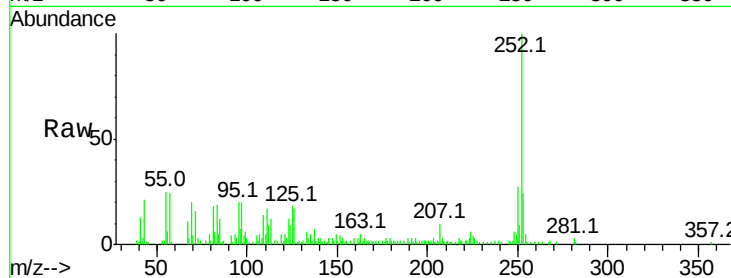
Time-->



#88
Benzo(k)fluoranthene
Concen: 5.385 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.03 min
Lab File: BF099613.D
Acq: 18 Oct 2017 13:17

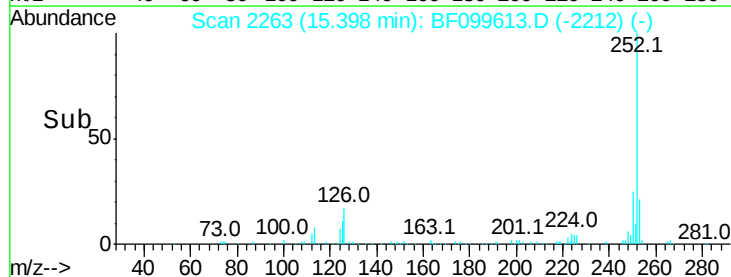
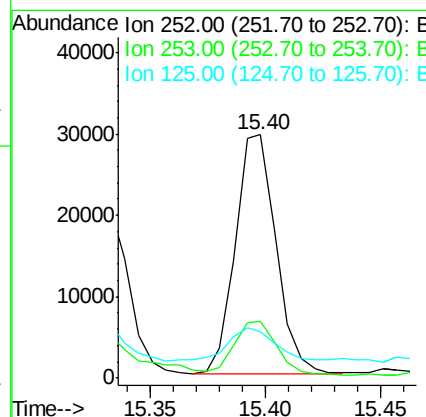
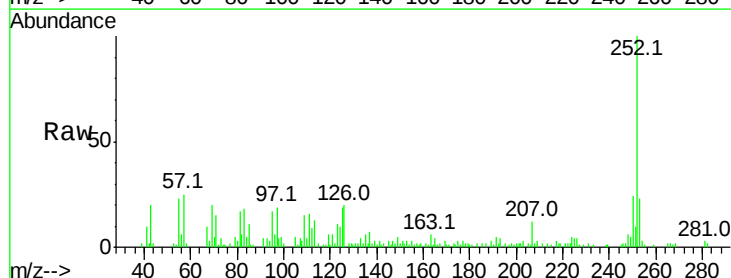
Instrument :
BNA_F
ClientSampleId :

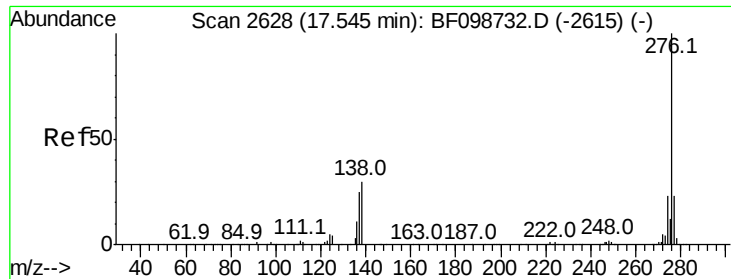
Tot Ion:252 Resp: 60632
Ion Ratio Lower Upper
252 100
253 24.3 17.9 26.9
125 18.0 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 3.451 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BF099613.D
Acq: 18 Oct 2017 13:17

Tgt Ion:252 Resp: 36113
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 19.0 9.8 14.6#

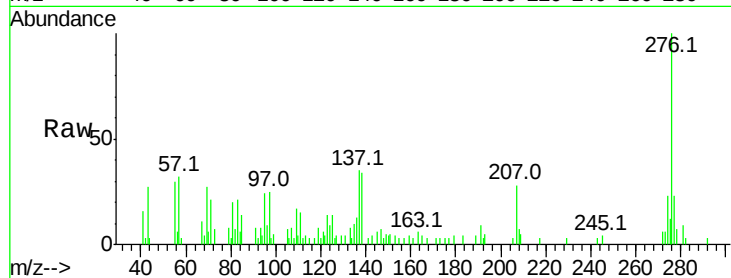




#91
 Benzo(a,h,i)perylene
 Concen: 3.407 ng
 RT: 17.38 min Scan# 2600
 Delta R.T. 0.01 min
 Lab File: BF099613.D
 Acq: 18 Oct 2017 13:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	17.9	26.9
138	34.1	21.8	32.8



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

