

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101317\
 Data File : BF099442.D
 Acq On : 13 Oct 2017 16:30
 Operator : SJ/JU
 Sample : I5780-05 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 13 17:37:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	97146	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	379356	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	149495	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	216872	20.00	ng	0.00
75) Chrysene-d12	14.02	240	182862	20.00	ng	0.00
86) Perylene-d12	15.49	264	215291	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	67678	11.09	ng	0.00
7) Phenol-d6	6.48	99	79813	10.60	ng	0.00
23) Nitrobenzene-d5	7.42	82	44923	7.59	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	10235	8.37	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	77367	8.64	ng	0.00
78) Terphenyl-d14	12.95	244	43845	5.45	ng	0.00

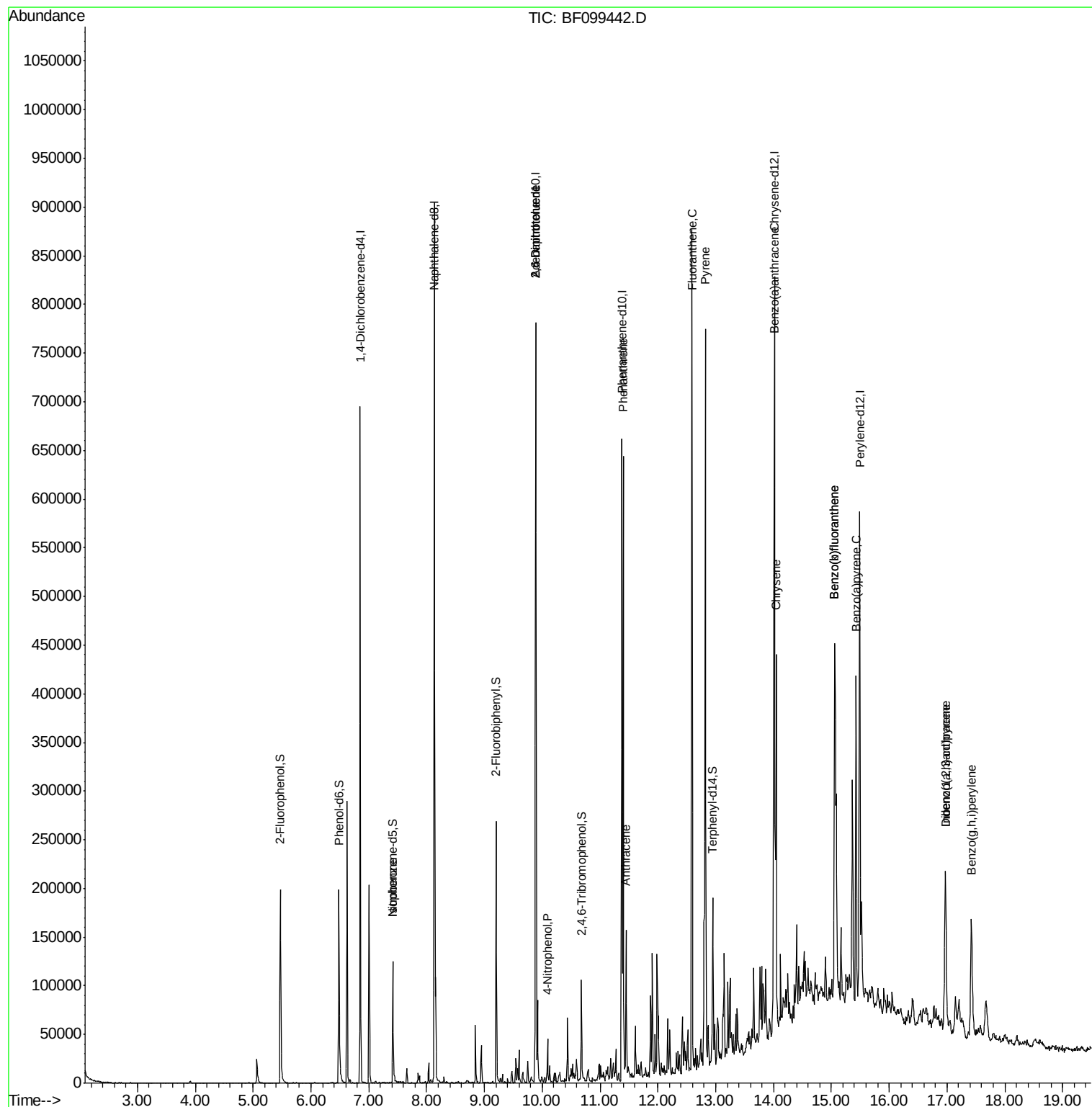
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.42	82	44923	3.673	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	19276	7.847	ng	# 25
55) 4-Nitrophenol	10.09	139	5829	2.407	ng	# 9
56) 2,4-Dinitrotoluene	9.89	165	19276	6.047	ng	# 22
70) Phenanthrene	11.40	178	217688	18.752	ng	98
71) Anthracene	11.45	178	53324	4.489	ng	99
74) Fluoranthene	12.59	202	326039	27.736	ng	97
77) Pyrene	12.82	202	300846	21.575	ng	99
80) Benzo(a)anthracene	14.00	228	161031	14.543	ng	99
82) Chrysene	14.04	228	149372	14.170	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	94339	11.187	ng	99
87) Benzo(b)fluoranthene	15.06	252	270352	20.424	ng	# 97
88) Benzo(k)fluoranthene	15.06	252	270352	20.678	ng	97
89) Benzo(a)pyrene	15.43	252	149886	12.336	ng	97
90) Dibenzo(a,h)anthracene	16.97	278	25154	2.587	ng	# 86
91) Benzo(g,h,i)perylene	17.42	276	92221	9.594	ng	96

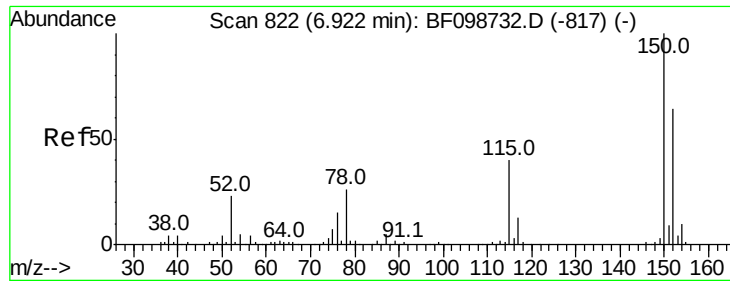
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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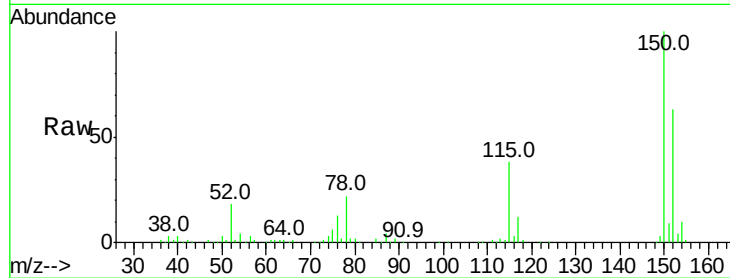


#1

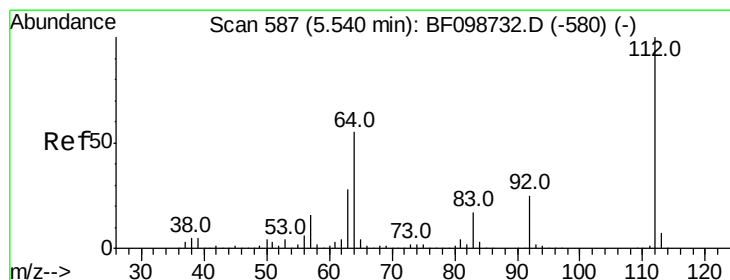
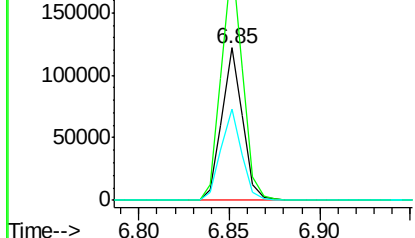
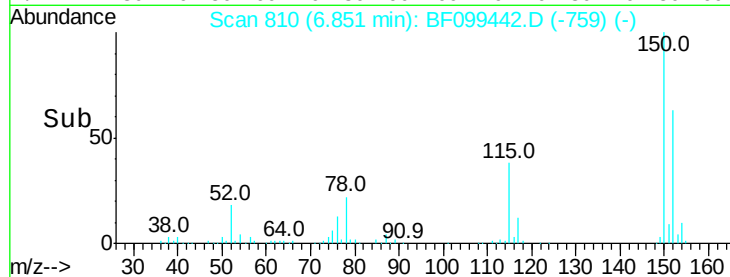
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 97146
Ion Ratio Lower Upper
152 100
150 159.7 124.6 186.8
115 60.1 50.1 75.1



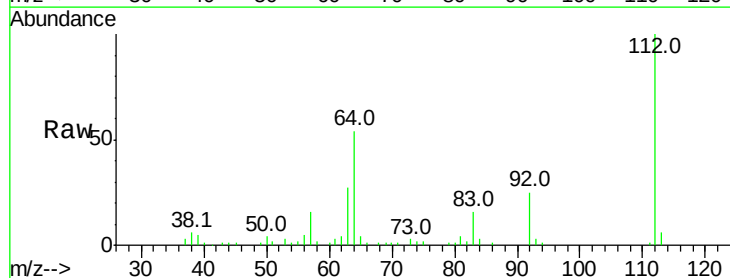
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



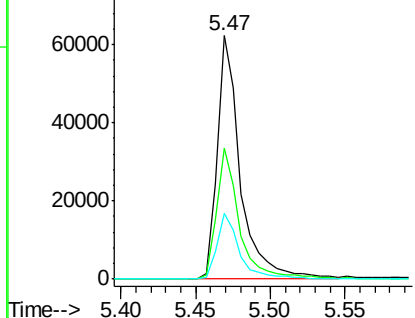
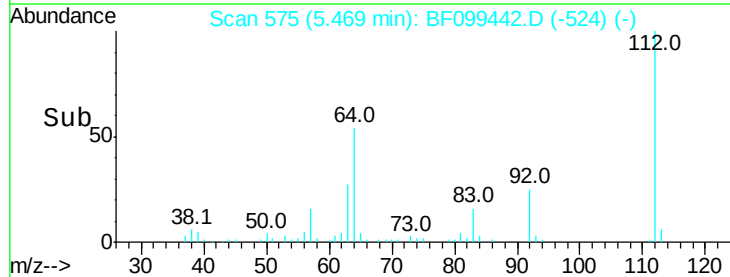
#5

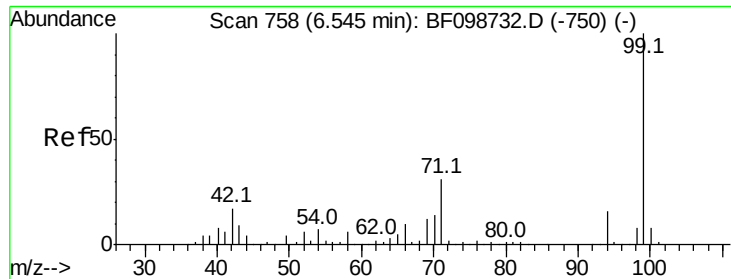
2-Fluorophenol
Concen: 11.090 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.00 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

Tgt Ion:112 Resp: 67678
Ion Ratio Lower Upper
112 100
64 53.9 47.9 71.9
63 26.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 10.602 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099442.D

Acq: 13 Oct 2017 16:30

Instrument :

BNA_F

ClientSampleId :

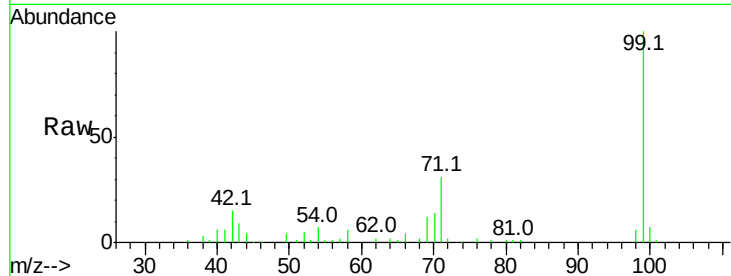
Tot Ion: 99 Resp: 79813

Ion Ratio Lower Upper

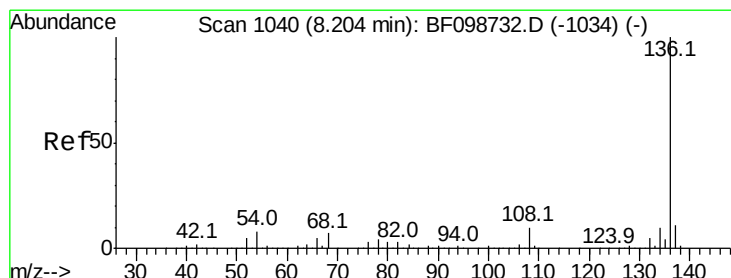
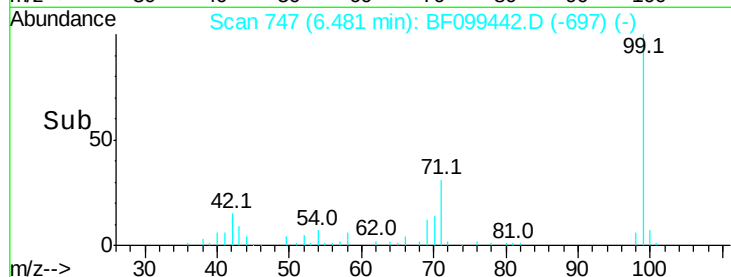
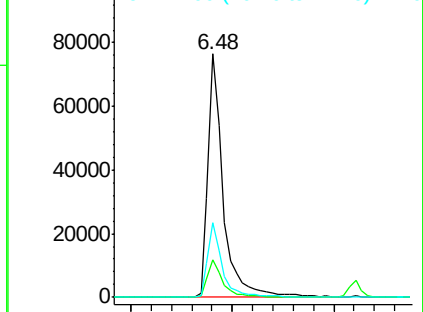
99 100

42 15.3 14.5 21.7

71 30.7 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF099442.D

Acq: 13 Oct 2017 16:30

Tgt Ion: 136 Resp: 379356

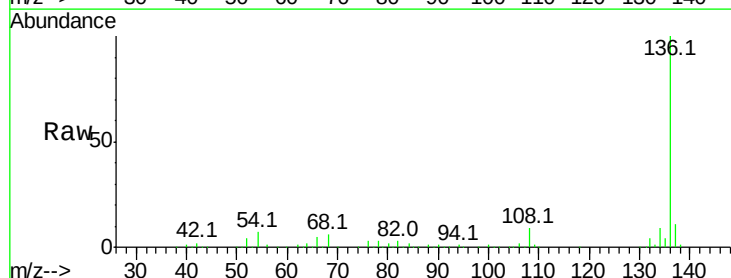
Ion Ratio Lower Upper

136 100

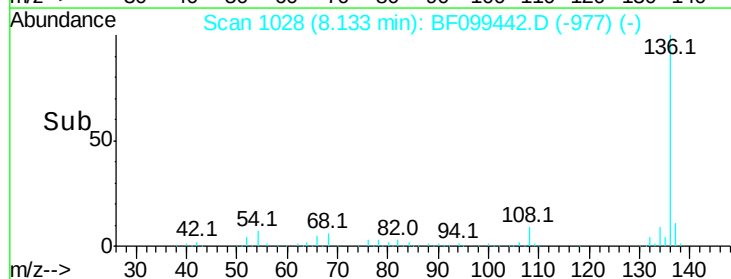
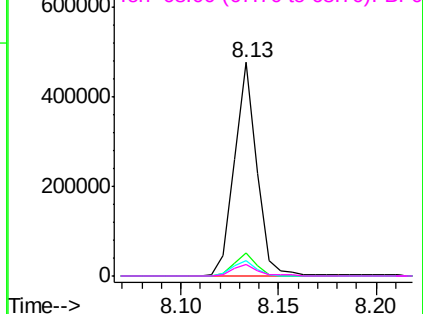
137 10.9 8.9 13.3

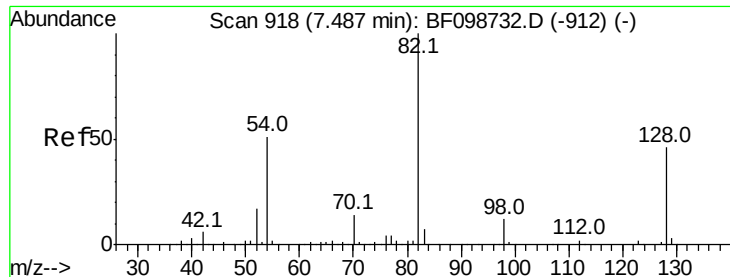
54 6.9 6.6 9.8

68 5.5 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: 7.594 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF099442.D

Acq: 13 Oct 2017 16:30

Instrument :

BNA_F

ClientSampleId :

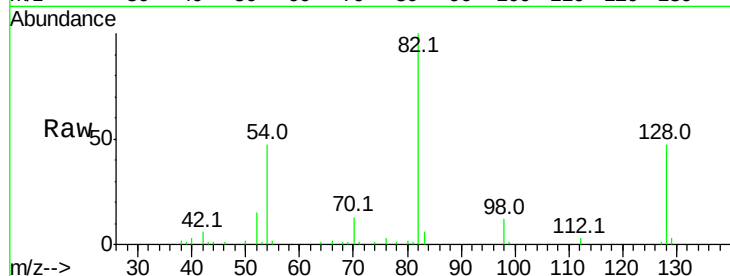
Tot Ion: 82 Resp: 44923

Ion Ratio Lower Upper

82 100

128 46.6 36.1 54.1

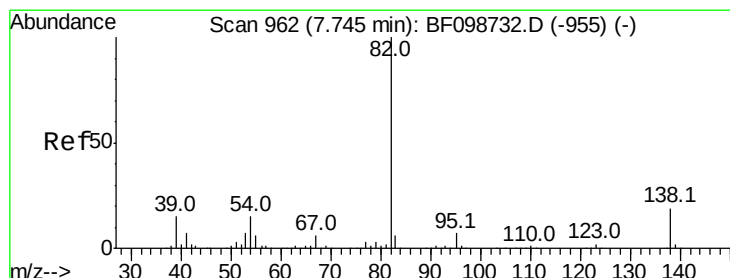
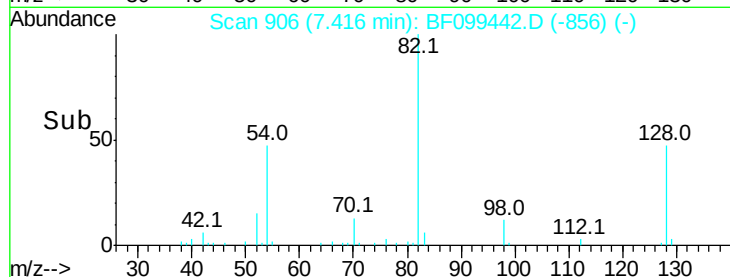
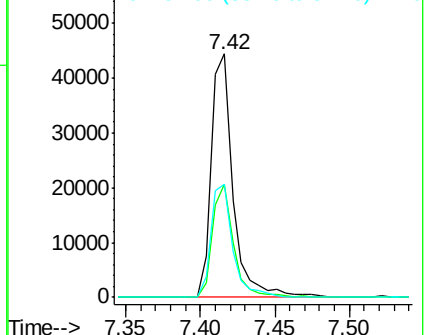
54 46.6 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 3.673 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF099442.D

Acq: 13 Oct 2017 16:30

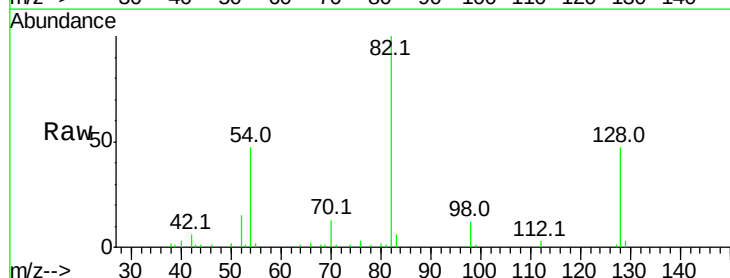
Tgt Ion: 82 Resp: 44923

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

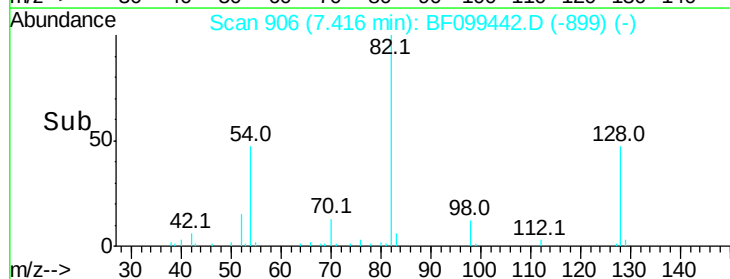
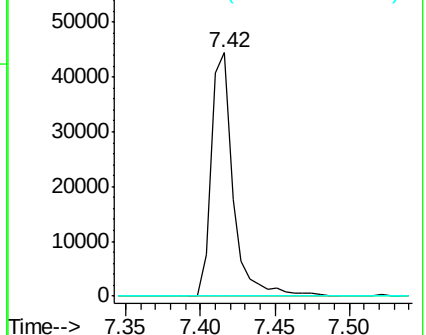
138 0.0 14.9 22.3#

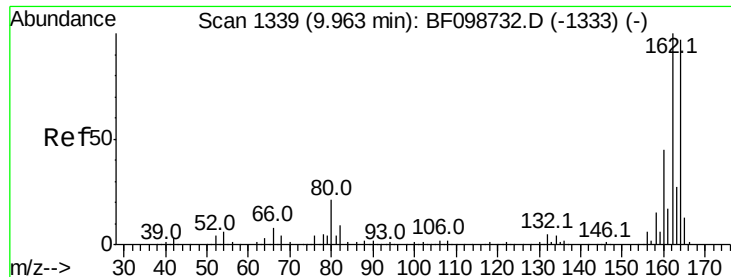


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

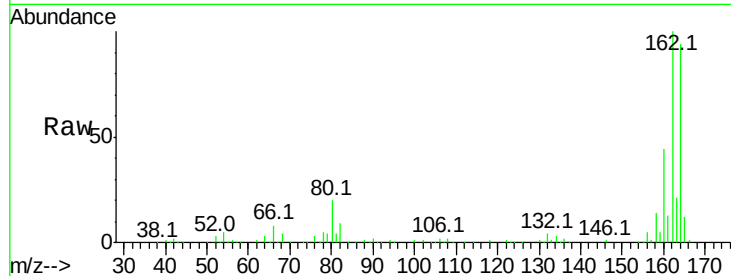




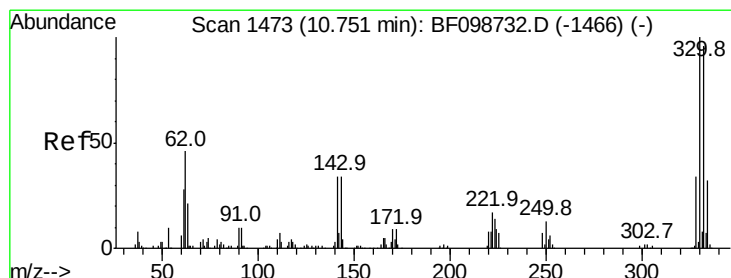
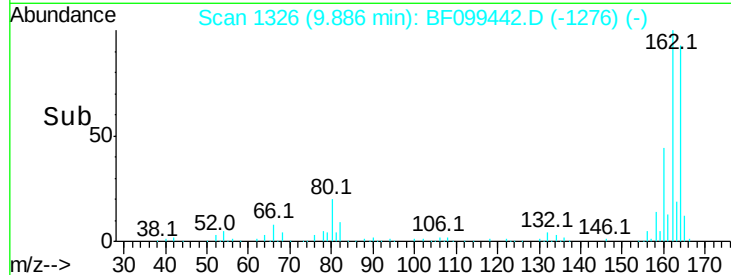
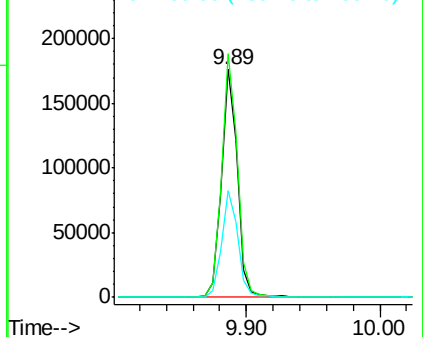
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 149495
Ion Ratio Lower Upper
164 100
162 106.9 86.1 129.1
160 46.6 38.3 57.5

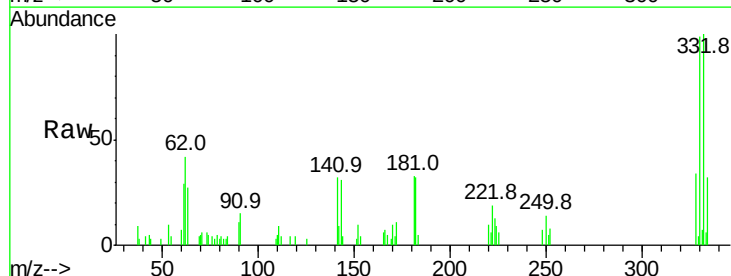


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

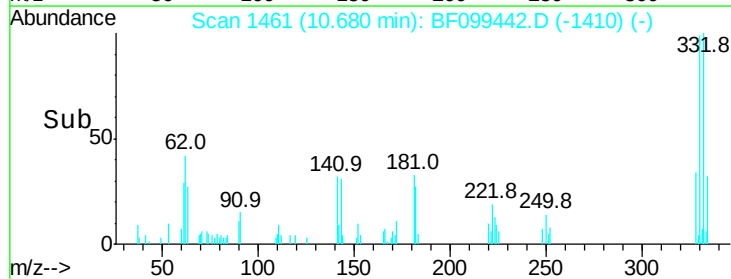
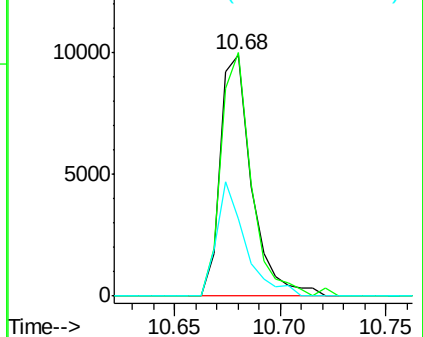


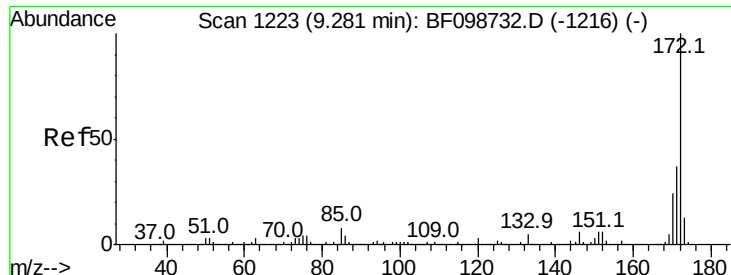
#41
2,4,6-Tribromophenol
Concen: 8.367 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.00 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

Tgt Ion:330 Resp: 10235
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 43.7 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

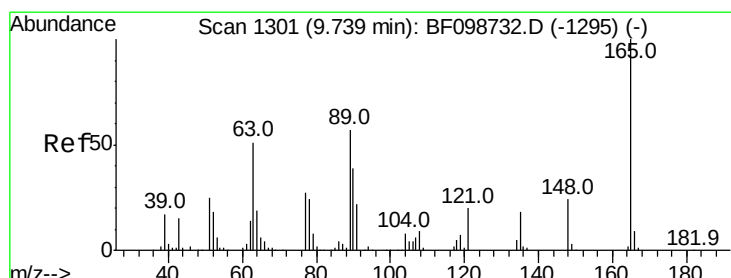
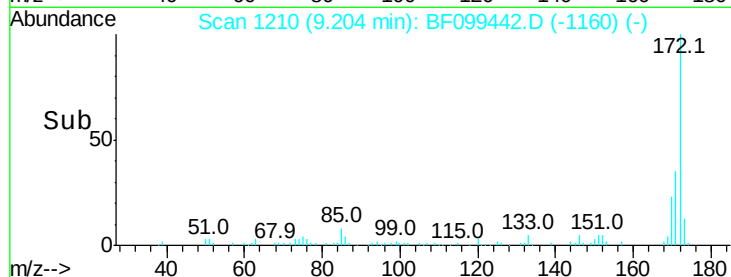
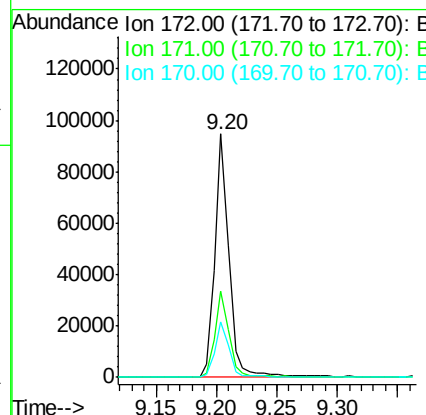
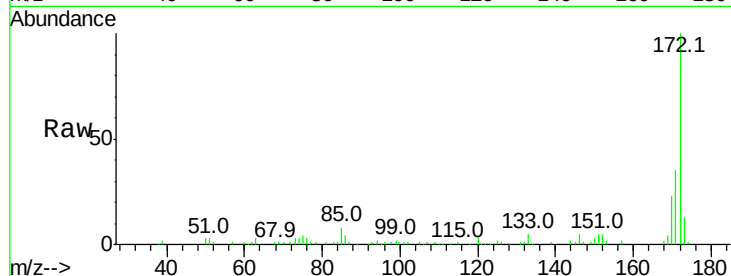




#44
 2-Fluorobiphenyl
 Concen: 8.640 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF099442.D
 Acq: 13 Oct 2017 16:30

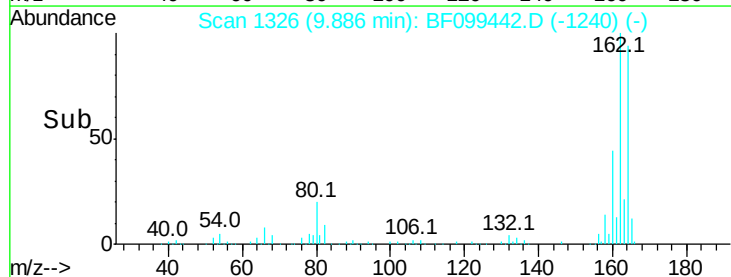
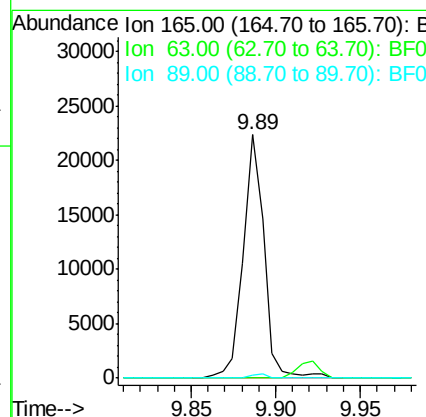
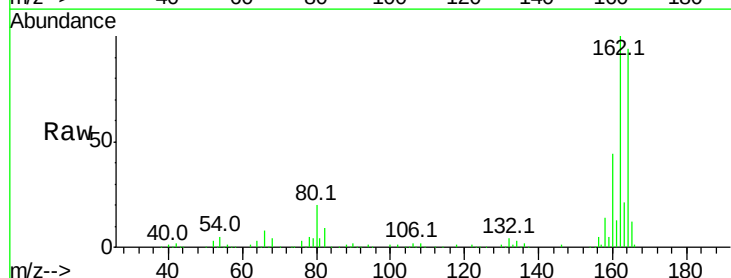
Instrument :
 BNA_F
 ClientSampleId :

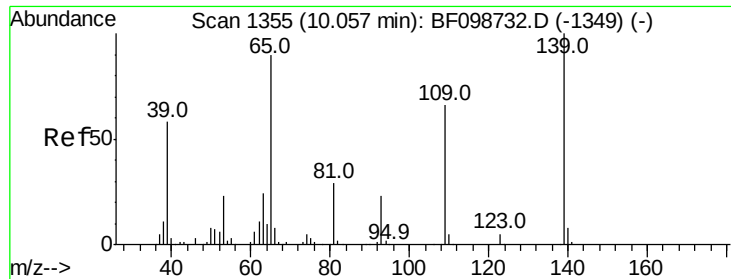
Tot Ion:172 Resp: 77367
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.7 44.5
 170 22.7 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.847 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF099442.D
 Acq: 13 Oct 2017 16:30

Tgt Ion:165 Resp: 19276
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 1.4 44.0 66.0#

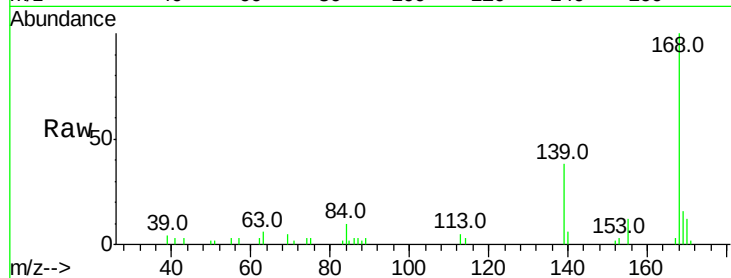




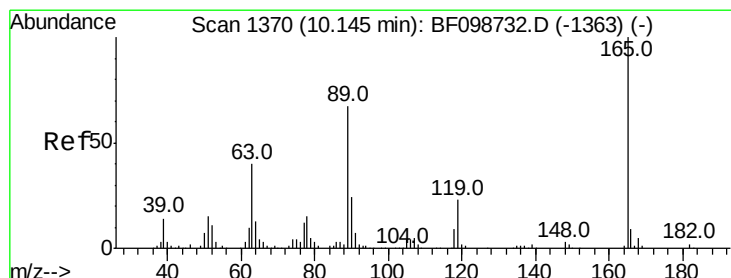
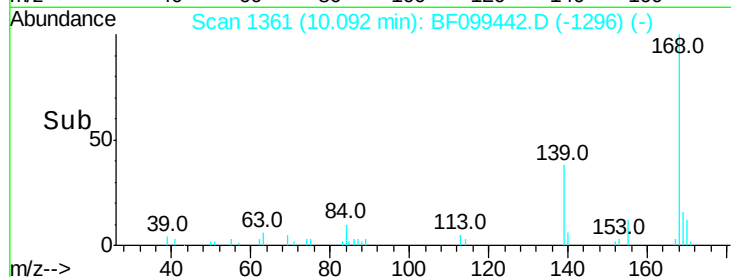
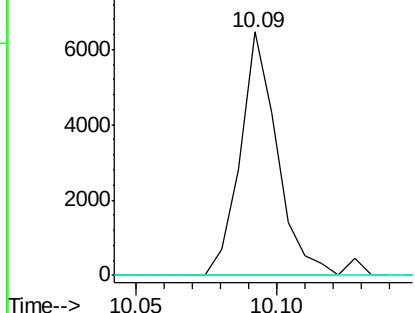
#55
4-Nitrophenol
Concen: 2.407 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.08 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#

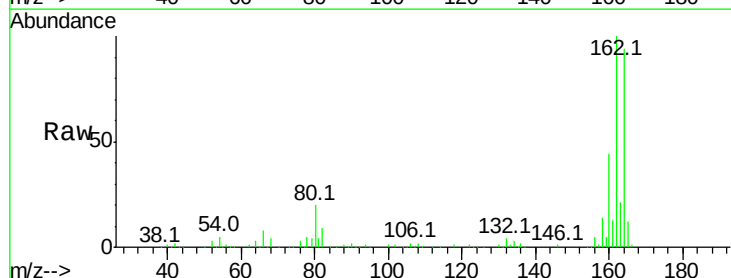


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

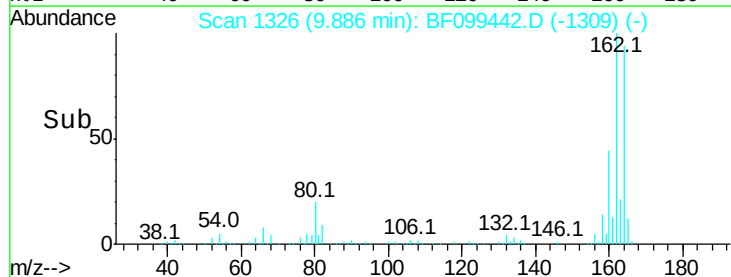
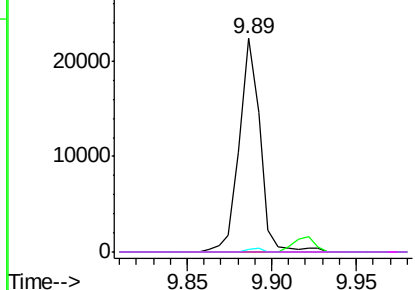


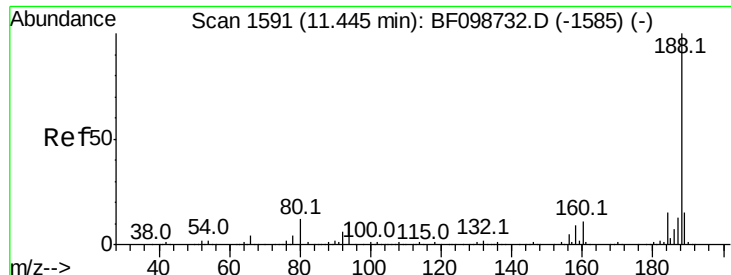
#56
2,4-Dinitrotoluene
Concen: 6.047 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.20 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.4	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

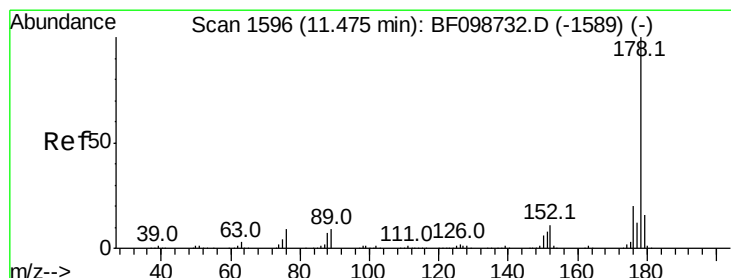
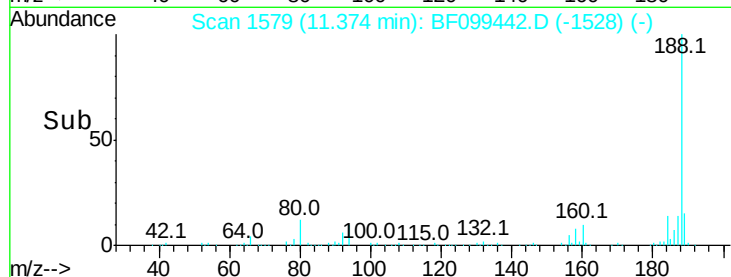
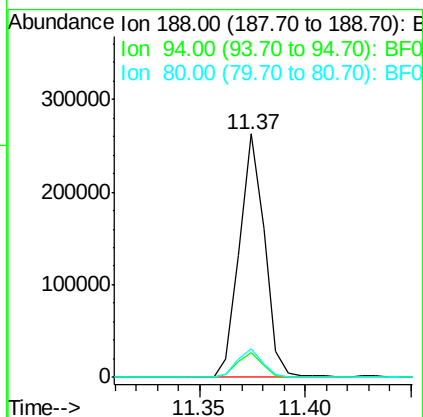
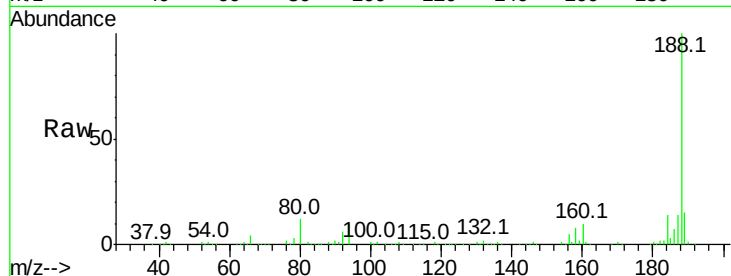




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

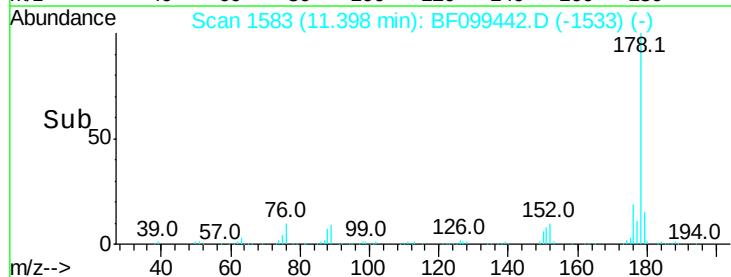
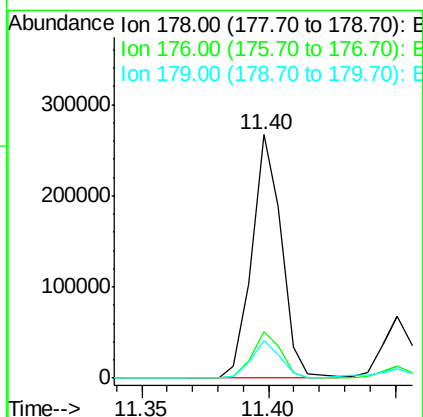
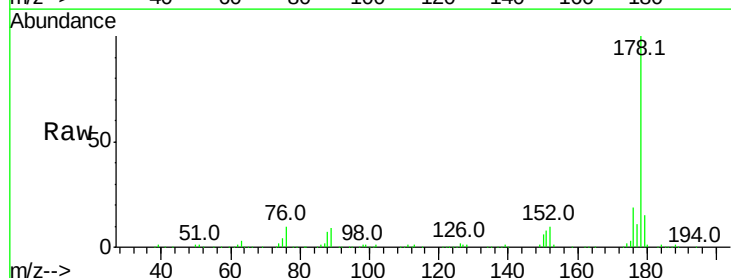
Instrument :
BNA_F
ClientSampleId :

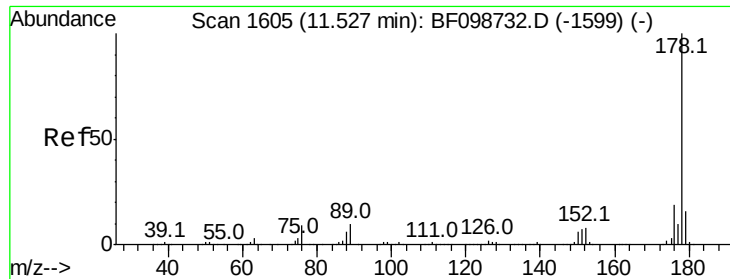
Tot Ion:188 Resp: 216872
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 11.6 9.2 13.8



#70
Phenanthrene
Concen: 18.752 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

Tgt Ion:178 Resp: 217688
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.2 13.0 19.6

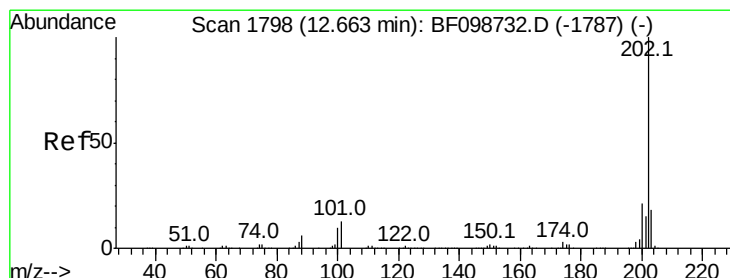
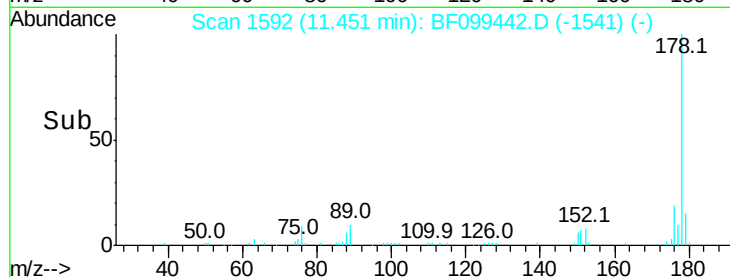
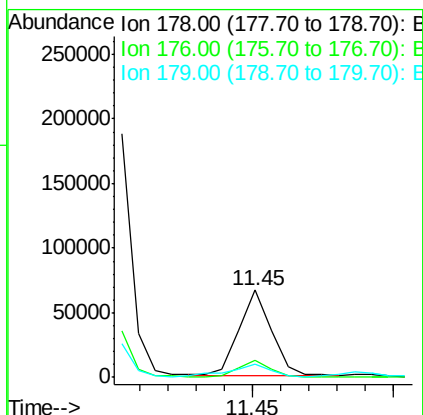
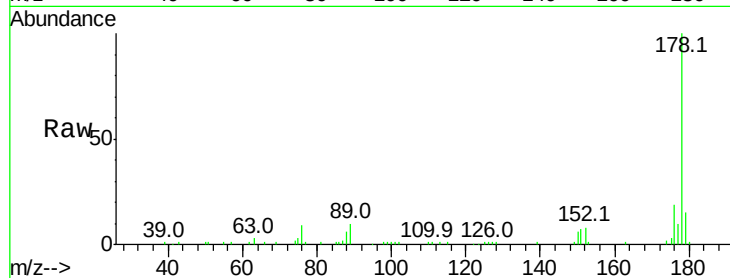




#71
 Anthracene
 Concen: 4.489 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: BF099442.D
 Acq: 13 Oct 2017 16:30

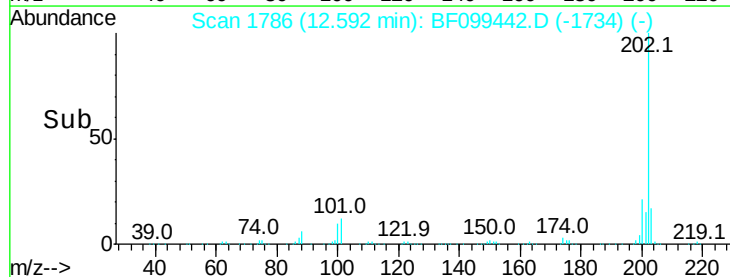
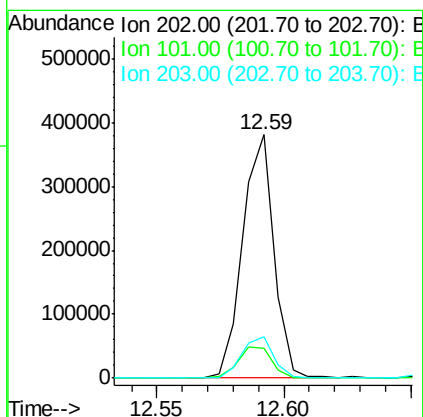
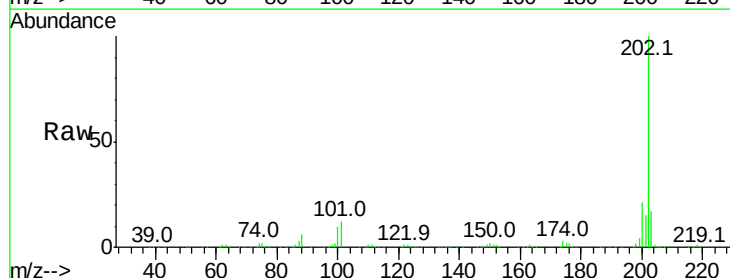
Instrument :
 BNA_F
 ClientSampleId :

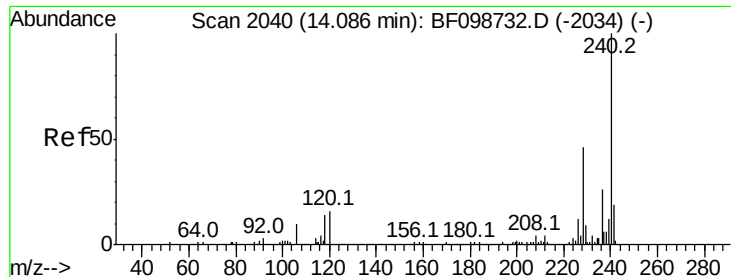
Tot Ion:178 Resp: 53324
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.2
 179 15.3 12.6 19.0



#74
 Fluoranthene
 Concen: 27.736 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. 0.01 min
 Lab File: BF099442.D
 Acq: 13 Oct 2017 16:30

Tgt Ion:202 Resp: 326039
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 34.1
 203 17.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF099442.D

Acq: 13 Oct 2017 16:30

Instrument :

BNA_F

ClientSampleId :

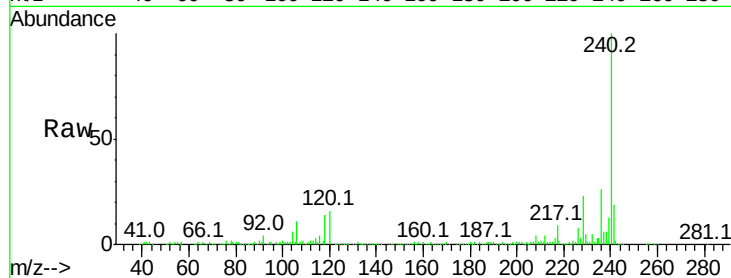
Tot Ion:240 Resp: 182862

Ion Ratio Lower Upper

240 100

120 15.7 9.5 14.3#

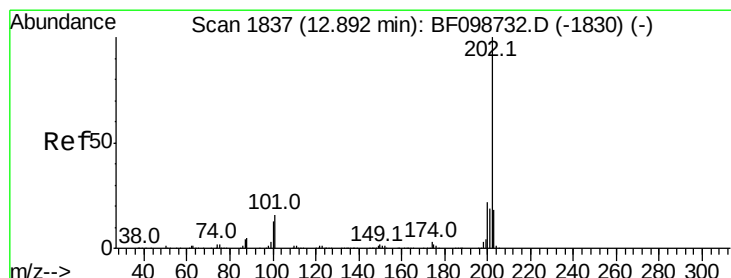
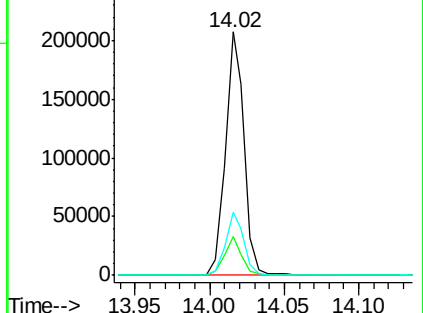
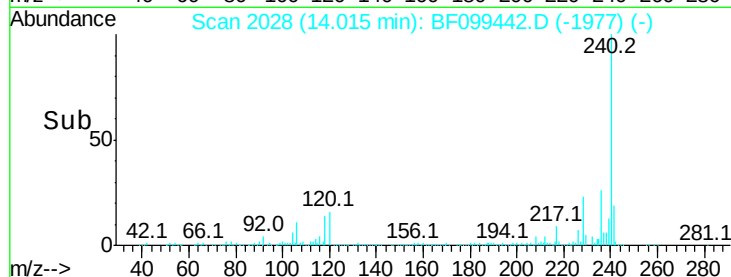
236 26.0 20.7 31.1



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: 21.575 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF099442.D

Acq: 13 Oct 2017 16:30

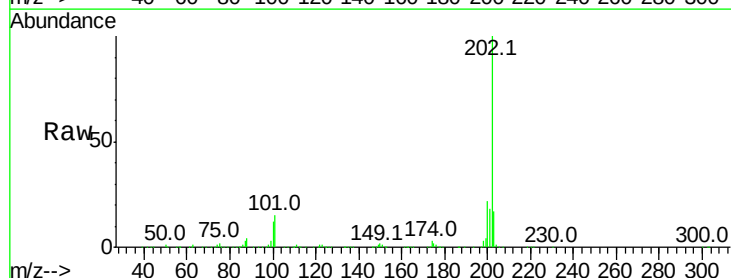
Tgt Ion:202 Resp: 300846

Ion Ratio Lower Upper

202 100

200 22.2 17.4 26.2

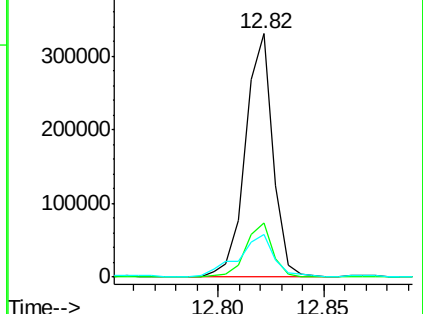
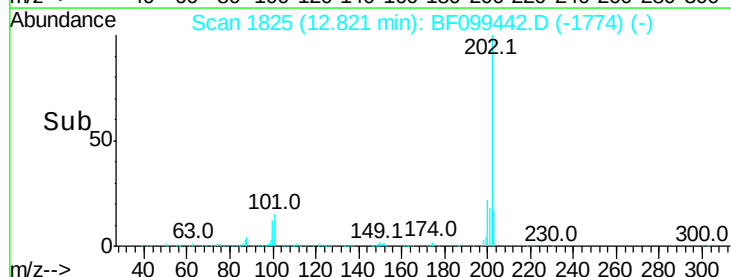
203 17.3 14.3 21.5

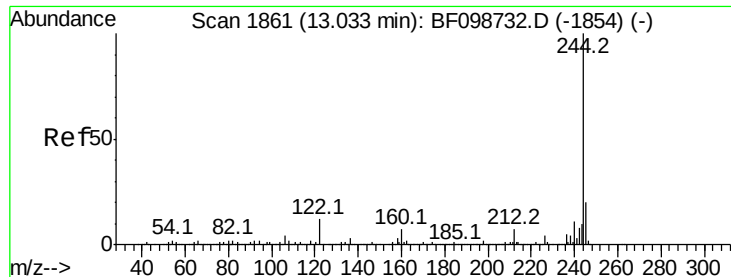


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 5.453 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF099442.D

Acq: 13 Oct 2017 16:30

Instrument :

BNA_F

ClientSampleId :

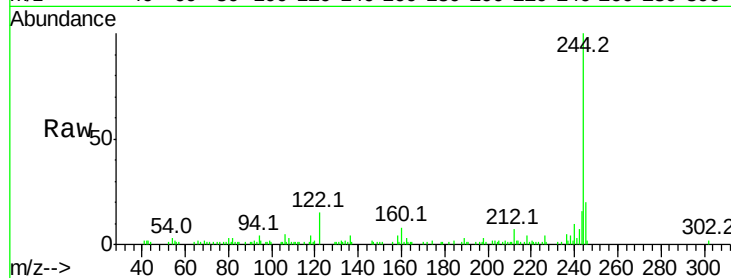
Tot Ion:244 Resp: 43845

Ion Ratio Lower Upper

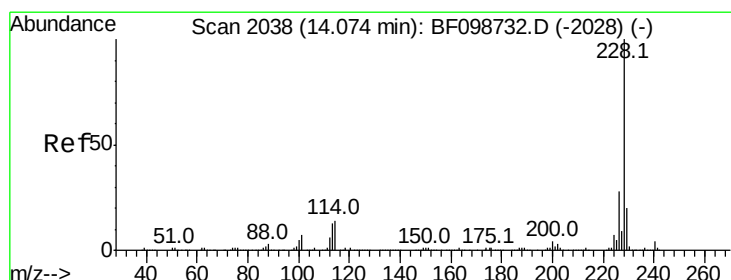
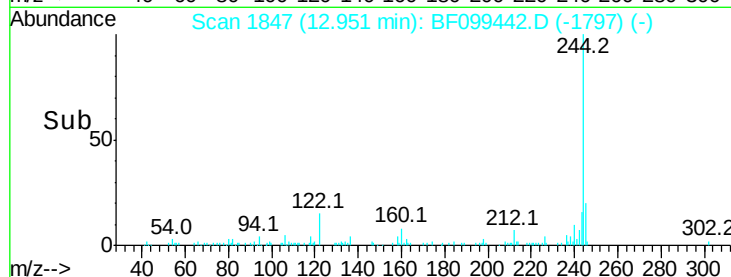
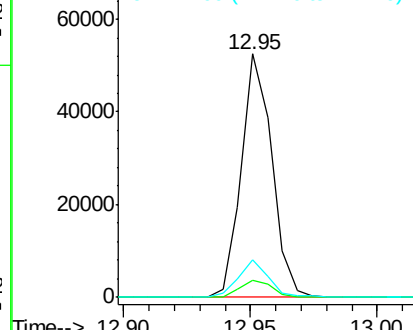
244 100

212 7.3 5.4 8.0

122 15.2 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



#80

Benzo(a)anthracene

Concen: 14.543 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.00 min

Lab File: BF099442.D

Acq: 13 Oct 2017 16:30

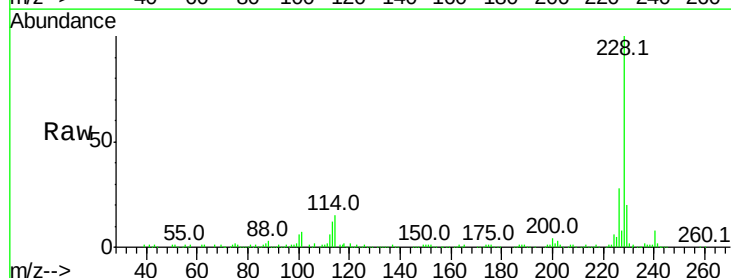
Tgt Ion:228 Resp: 161031

Ion Ratio Lower Upper

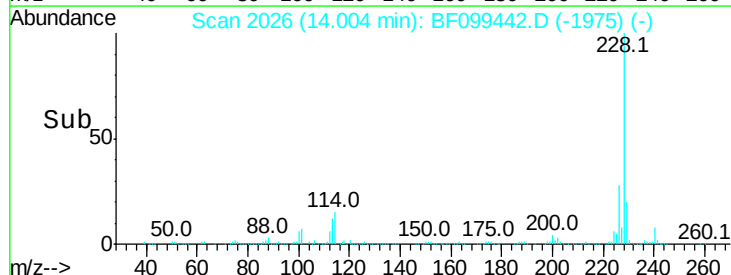
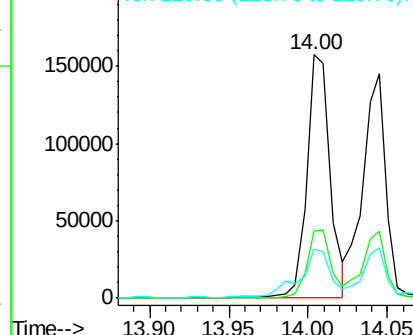
228 100

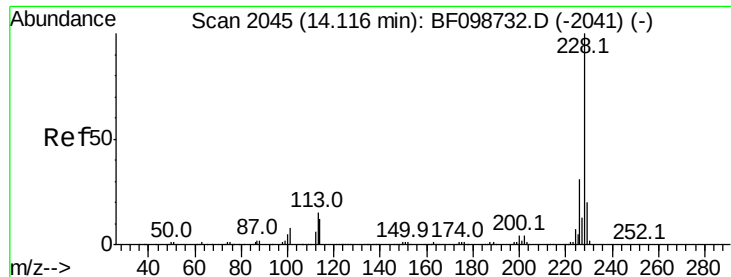
226 27.7 22.6 33.8

229 20.2 15.8 23.6



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





#82

Chrysene

Concen: 14.170 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF099442.D

Acq: 13 Oct 2017 16:30

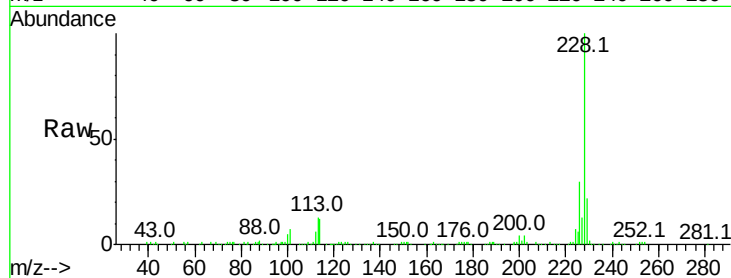
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 149372

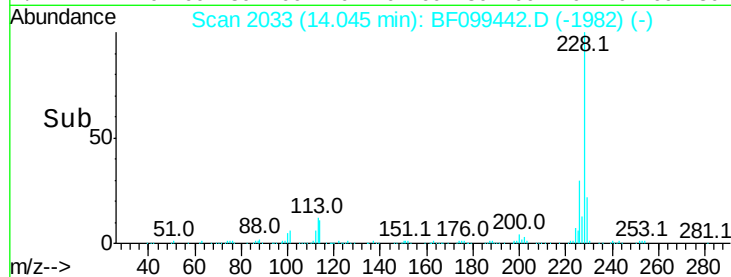
Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	22.3	16.2	24.4



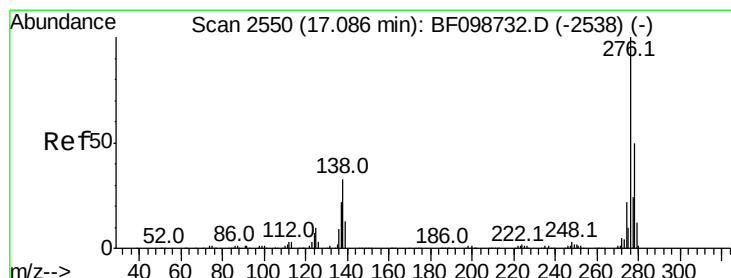
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 11.187 ng

RT: 16.97 min Scan# 2530

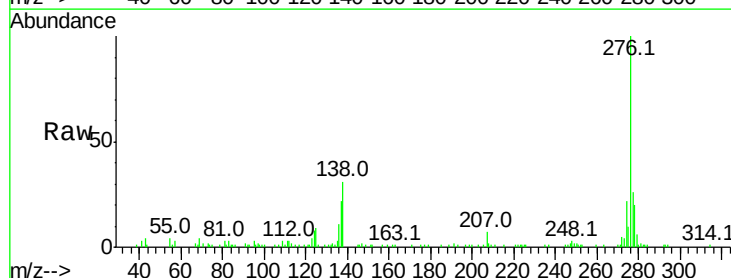
Delta R.T. 0.01 min

Lab File: BF099442.D

Acq: 13 Oct 2017 16:30

Tgt Ion:276 Resp: 94339

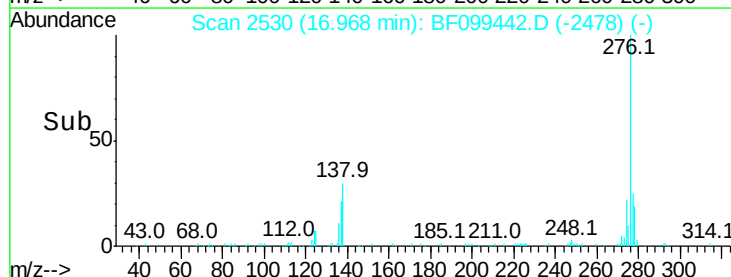
Ion	Ratio	Lower	Upper
276	100		
138	30.7	25.0	37.6
277	25.8	20.1	30.1



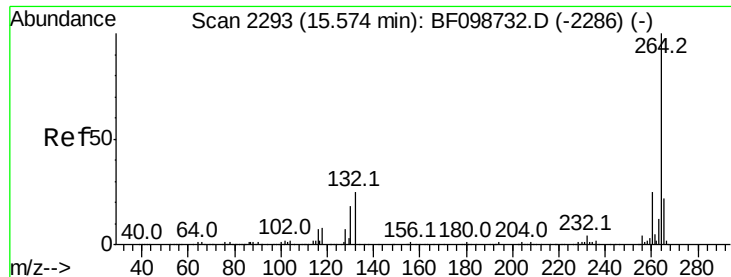
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->

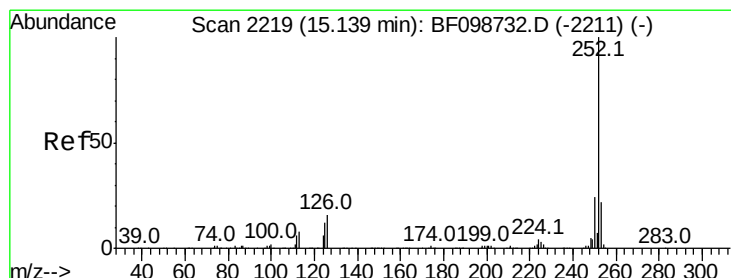
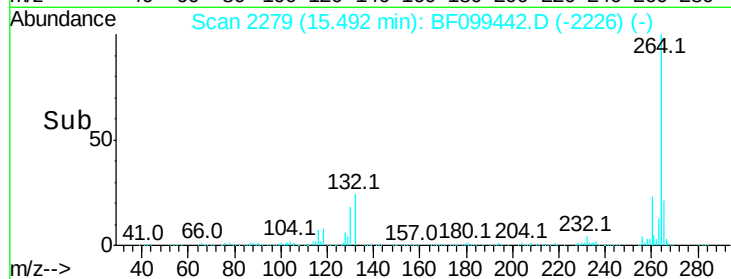
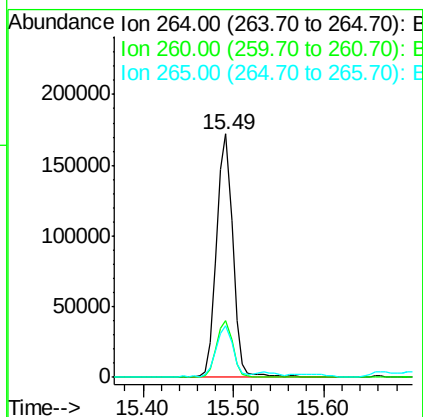
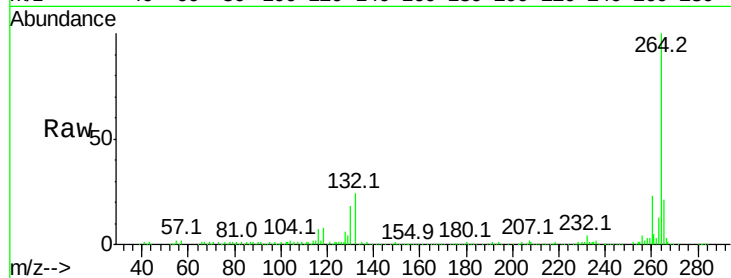


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.01 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 215291

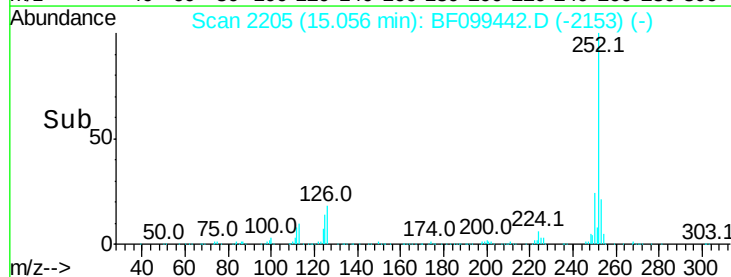
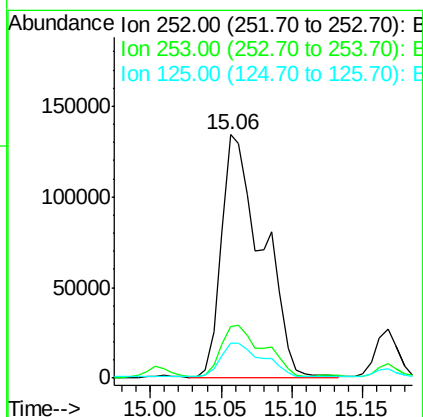
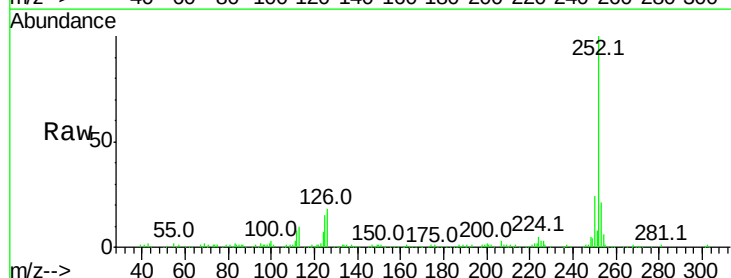
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.2	17.5	26.3

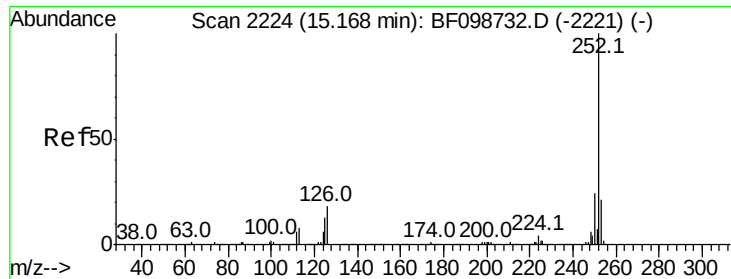


#87
Benzo(b)fluoranthene
Concen: 20.424 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

Tgt Ion:252 Resp: 270352

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.6
125	14.6	9.0	13.6

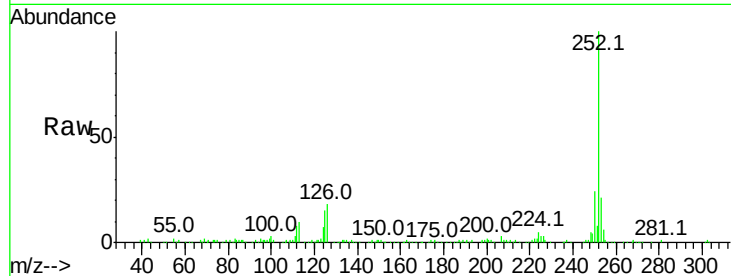




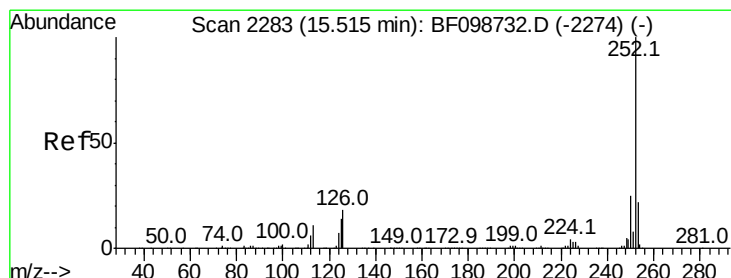
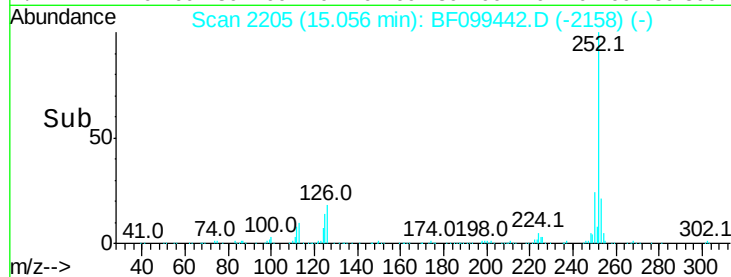
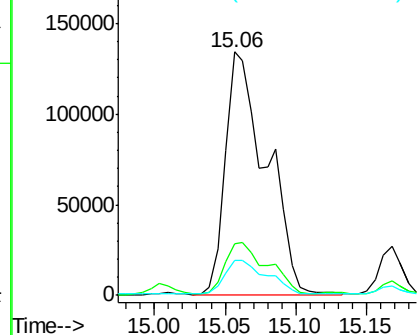
#88
Benzo(k)fluoranthene
Concen: 20.678 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.9	26.9
125	14.6	10.2	15.2

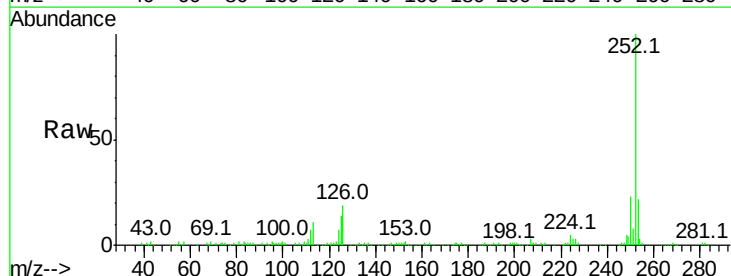


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

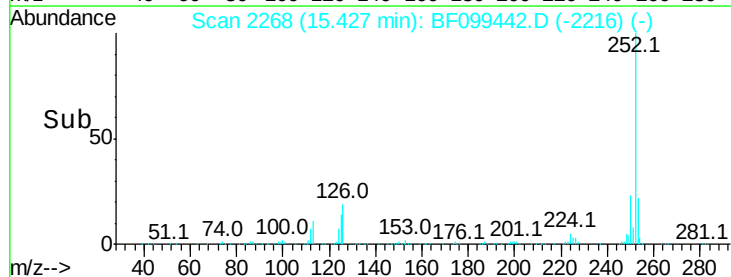
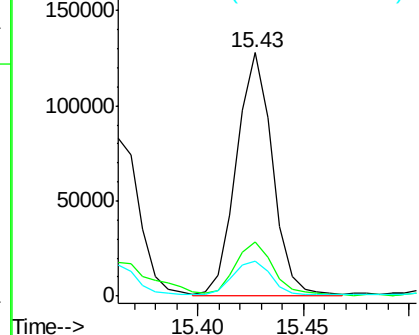


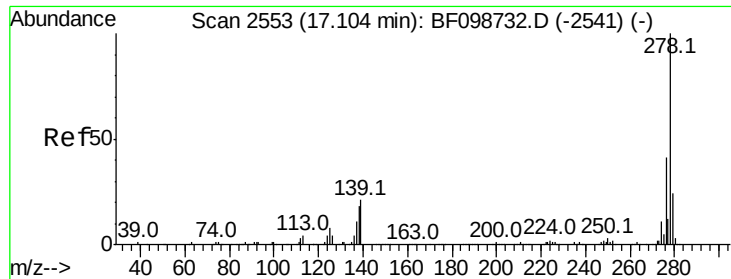
#89
Benzo(a)pyrene
Concen: 12.336 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	14.1	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





#90

Dibenzo(a,h)anthracene

Concen: 2.587 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.00 min

Lab File: BF099442.D

Acq: 13 Oct 2017 16:30

Instrument :

BNA_F

ClientSampleId :

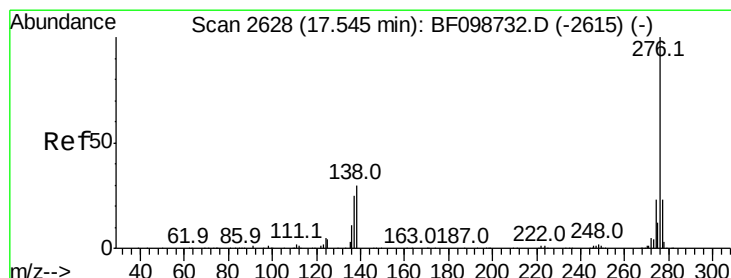
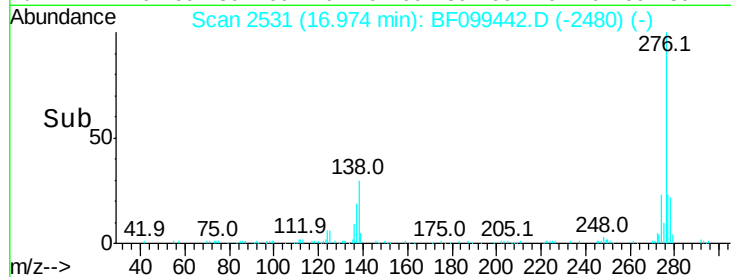
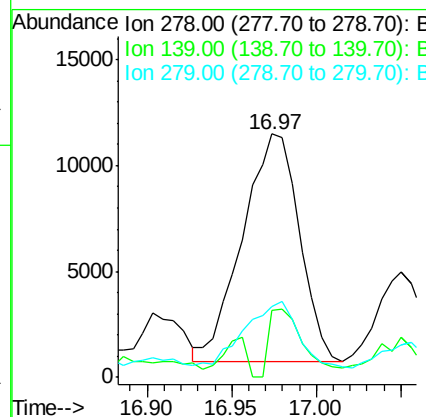
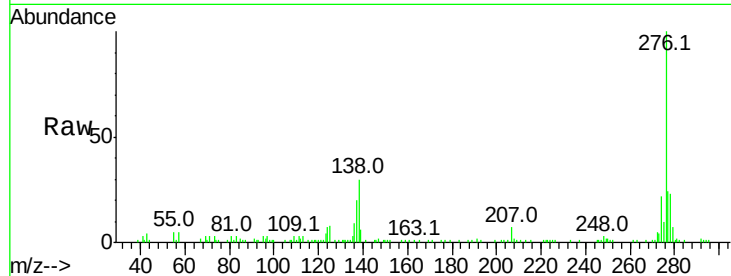
Tot Ion:278 Resp: 25154

Ion Ratio Lower Upper

278 100

139 27.6 15.9 23.9#

279 29.0 19.0 28.4#



#91

Benzo(g,h,i)perylene

Concen: 9.594 ng

RT: 17.42 min Scan# 2607

Delta R.T. 0.01 min

Lab File: BF099442.D

Acq: 13 Oct 2017 16:30

Tgt Ion:276 Resp: 92221

Ion Ratio Lower Upper

276 100

277 23.1 17.9 26.9

138 30.3 21.8 32.8

