

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
 Data File : BF099814.D
 Acq On : 25 Oct 2017 15:38
 Operator : SJ/JU
 Sample : I6069-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 16:57:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 23:39:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	97176	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	402118	20.00	ng	-0.01
38) Acenaphthene-d10	9.83	164	182845	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	312349	20.00	ng	0.00
75) Chrysene-d12	13.98	240	198215	20.00	ng	0.00
86) Perylene-d12	15.46	264	196427	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	317905	51.36	ng	-0.01
7) Phenol-d6	6.43	99	385072	52.47	ng	-0.02
23) Nitrobenzene-d5	7.36	82	217130	34.76	ng	-0.02
41) 2,4,6-Tribromophenol	10.63	330	84618	50.78	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	426797	36.01	ng	-0.01
78) Terphenyl-d14	12.92	244	311872	34.38	ng	0.00

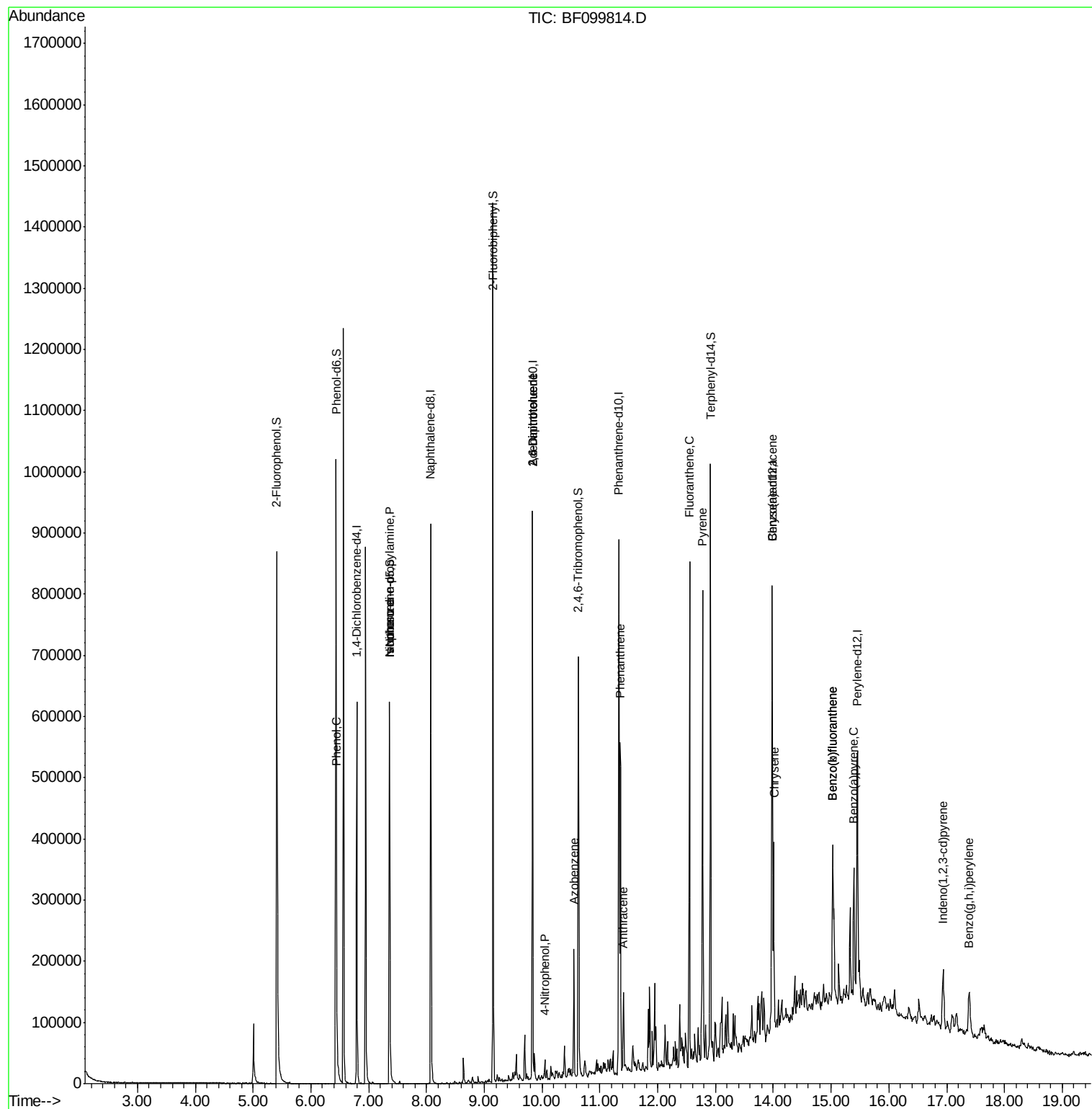
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	19308	2.396	ng	87
19) n-Nitroso-di-n-propylamine	7.36	70	26510	6.164	ng	# 71
25) Isophorone	7.36	82	217128	19.158	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	23848	7.834	ng	# 25
55) 4-Nitrophenol	10.05	139	3962	2.114	ng	# 14
56) 2,4-Dinitrotoluene	9.83	165	23848	6.505	ng	# 23
62) Azobenzene	10.55	77	30076	2.537	ng	# 1
70) Phenanthrene	11.35	178	212189	12.037	ng	98
71) Anthracene	11.41	178	57114	3.192	ng	98
74) Fluoranthene	12.55	202	342001	18.669	ng	97
77) Pyrene	12.78	202	298358	19.795	ng	99
80) Benzo(a)anthracene	13.97	228	124135	9.879	ng	97
82) Chrysene	14.01	228	114650	9.705	ng	98
85) Indeno(1,2,3-cd)pyrene	16.94	276	55764	5.142	ng	100
87) Benzo(b)fluoranthene	15.03	252	186134	15.007	ng	# 95
88) Benzo(k)fluoranthene	15.03	252	186134	15.914	ng	98
89) Benzo(a)pyrene	15.39	252	100172	8.991	ng	# 96
91) Benzo(a,h,i)perylene	17.39	276	53511	5.525	ng	93

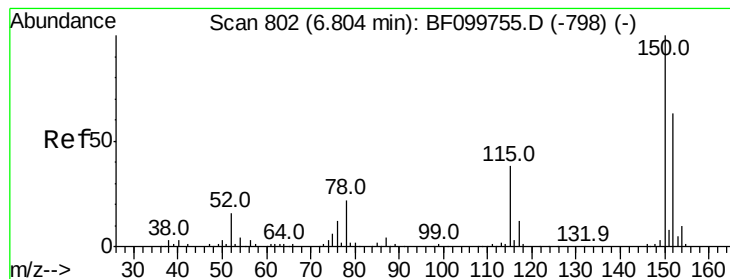
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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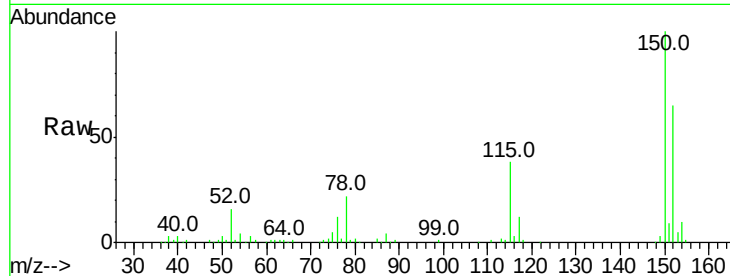


#1

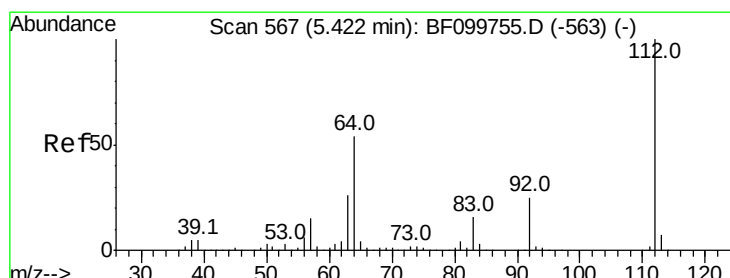
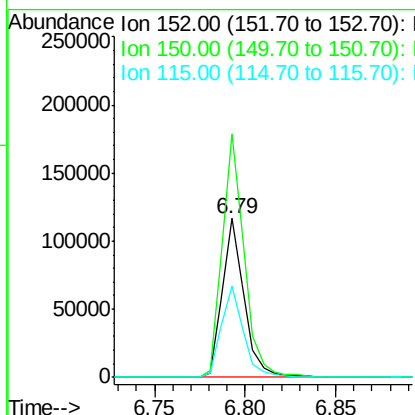
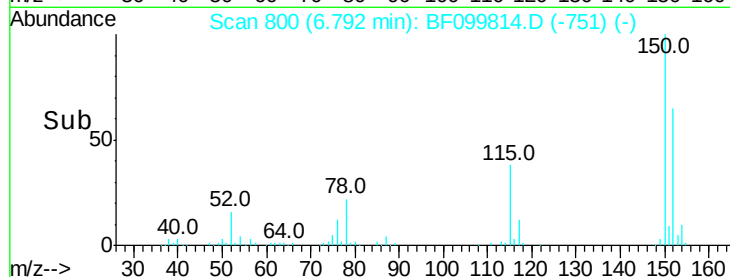
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 97176
Ion Ratio Lower Upper
152 100
150 153.3 124.6 186.8
115 57.9 50.1 75.1



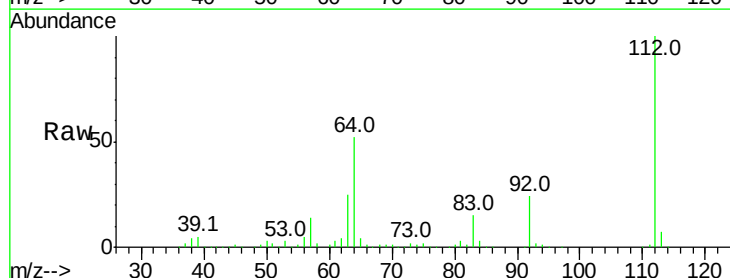
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



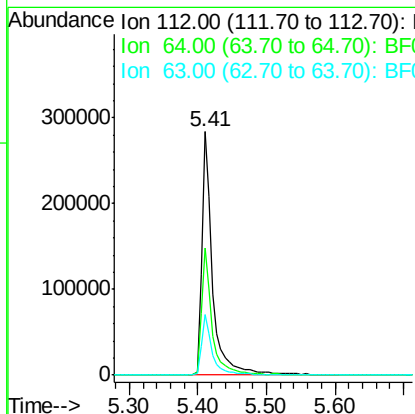
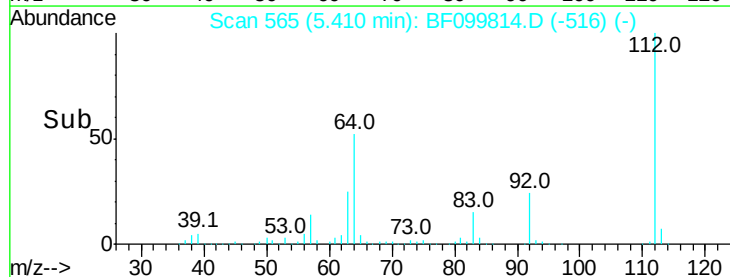
#5

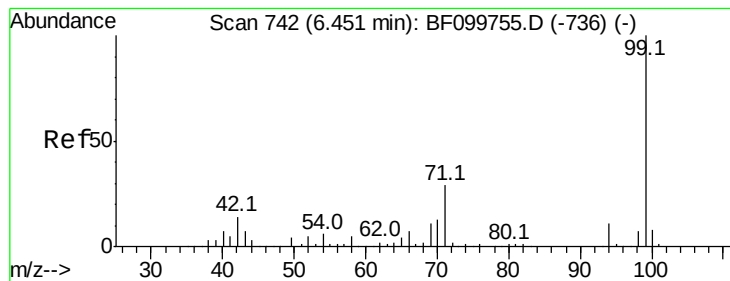
2-Fluorophenol
Concen: 51.360 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Tgt Ion:112 Resp: 317905
Ion Ratio Lower Upper
112 100
64 52.5 47.9 71.9
63 25.1 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: 52.468 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF099814.D

Acq: 25 Oct 2017 15:38

Instrument :

BNA_F

ClientSampled :

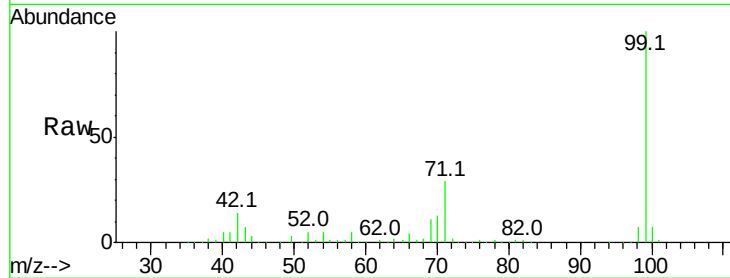
Tot Ion: 99 Resp: 385072

Ion Ratio Lower Upper

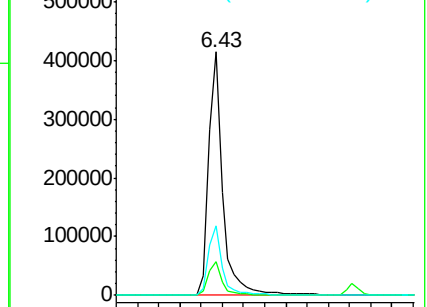
99 100

42 13.7 14.5 21.7#

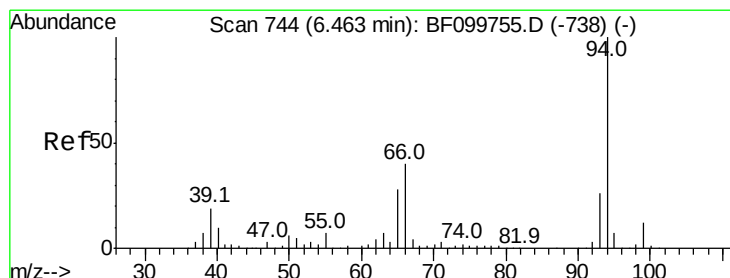
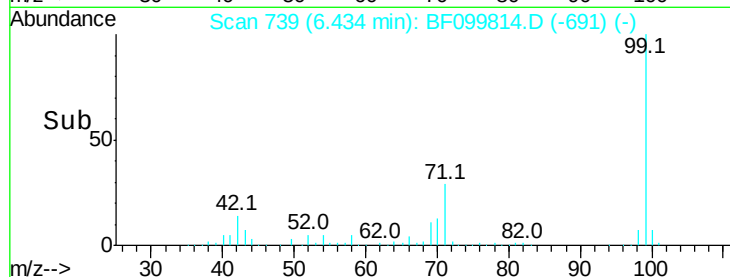
71 28.8 25.4 38.0



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



Time-->



#10

Phenol

Concen: 2.396 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF099814.D

Acq: 25 Oct 2017 15:38

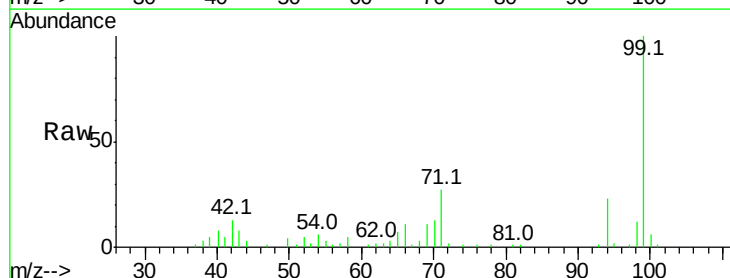
Tgt Ion: 94 Resp: 19308

Ion Ratio Lower Upper

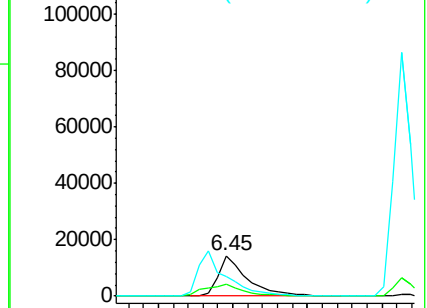
94 100

65 28.5 7.9 47.9

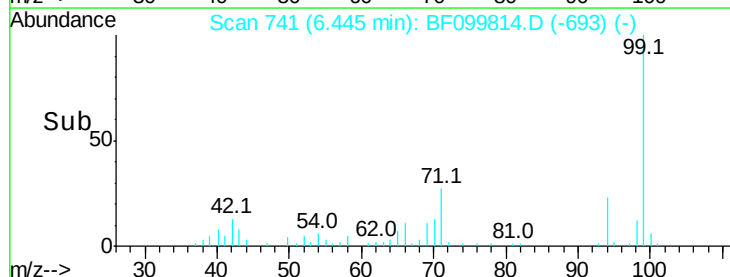
66 48.9 16.2 56.2

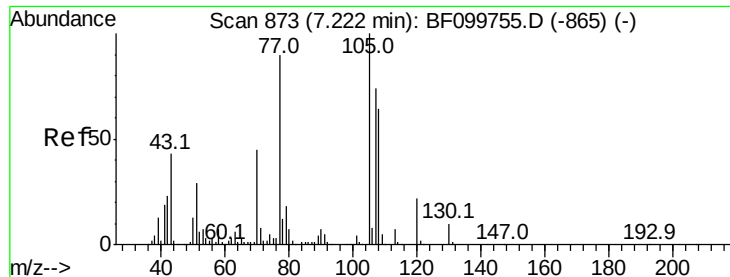


Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0



Time-->

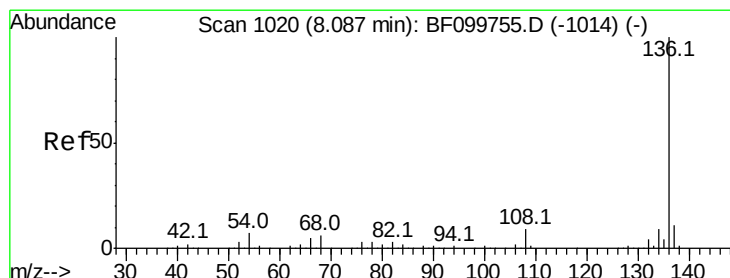
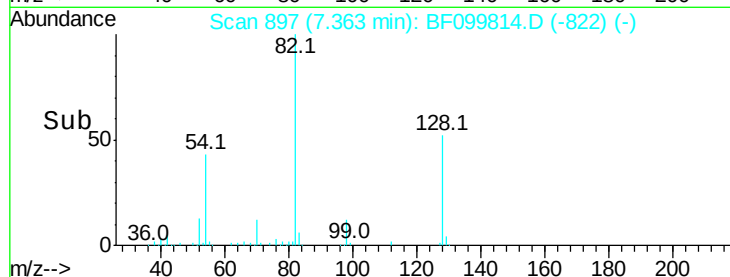
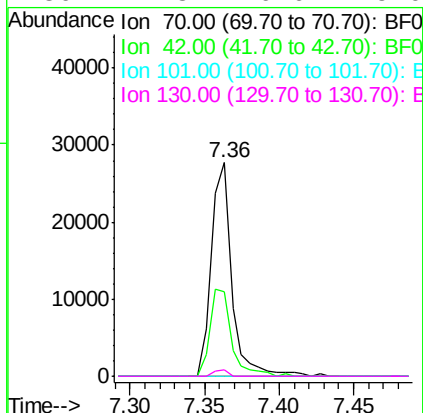
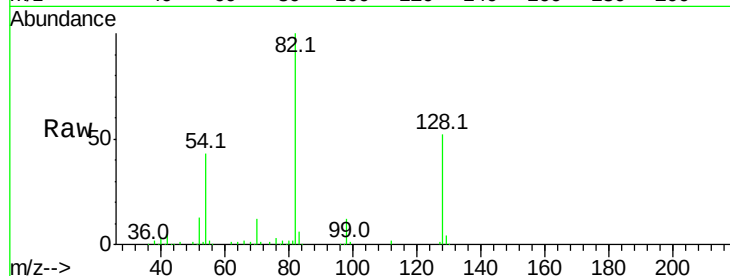




#19
n-Nitroso-di-n-propylamine
Concen: 6.164 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.14 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

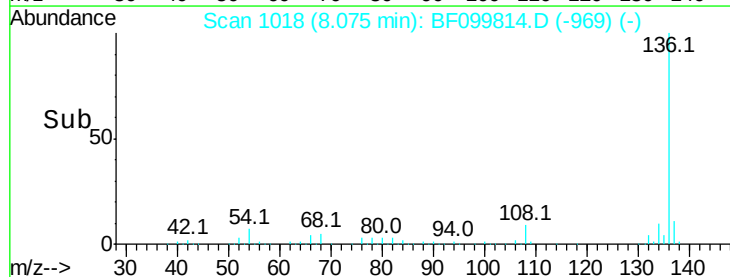
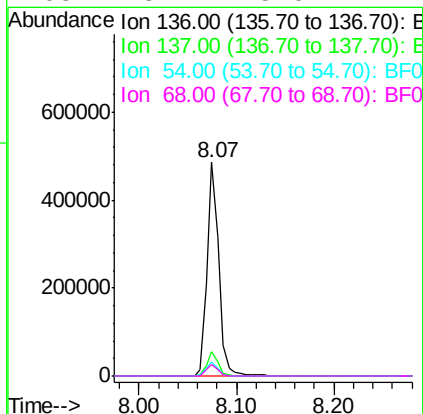
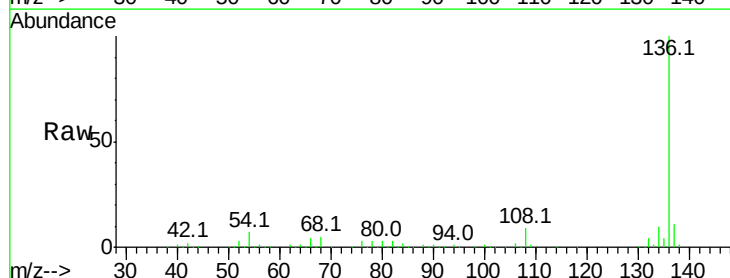
Instrument :
BNA_F
ClientSampleId :

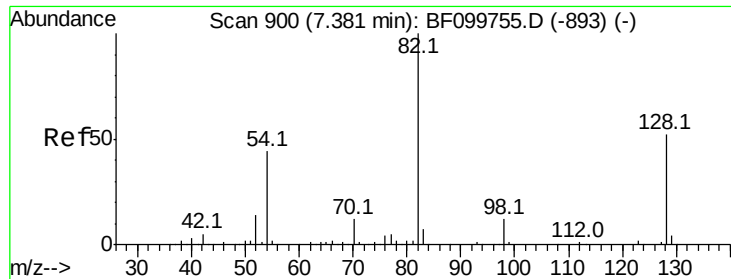
Tot Ion: 70 Resp: 26510
Ion Ratio Lower Upper
70 100
42 39.7 47.5 71.3#
101 0.0 7.4 11.2#
130 2.8 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Tgt Ion: 136 Resp: 402118
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 6.9 6.6 9.8
68 5.4 5.0 7.4

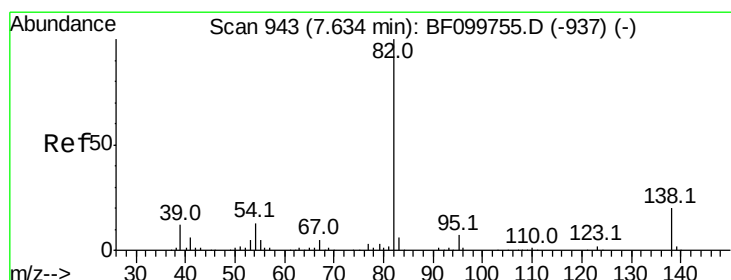
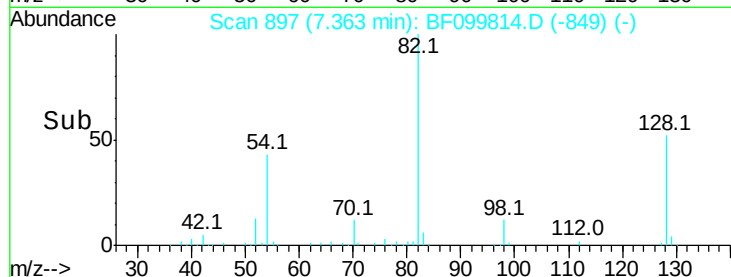
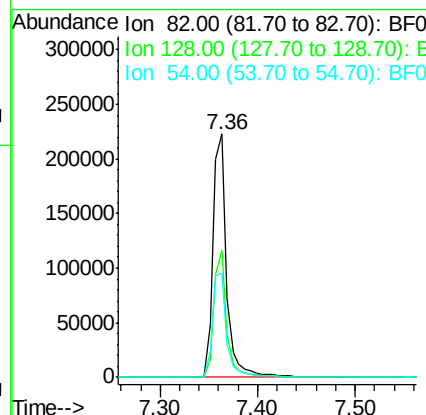
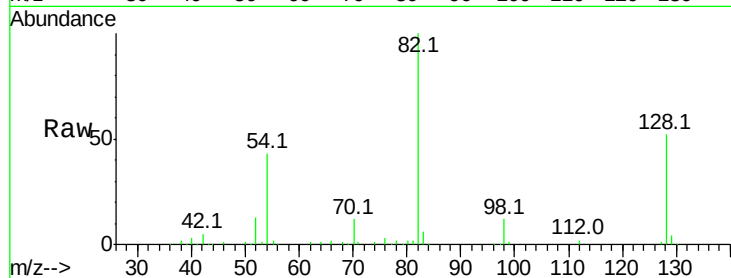




#23
Nitrobenzene-d5
Concen: 34.763 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.02 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

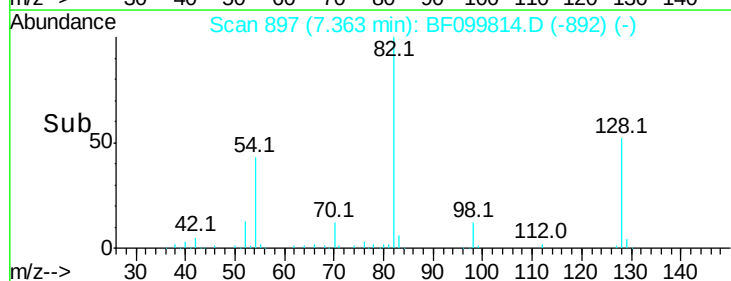
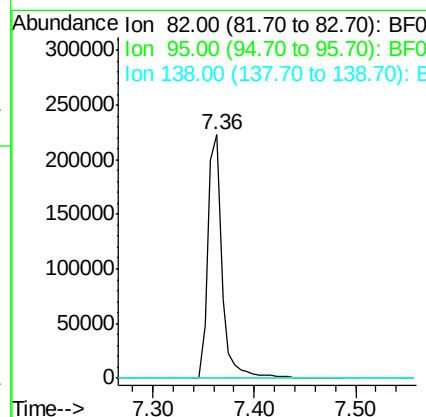
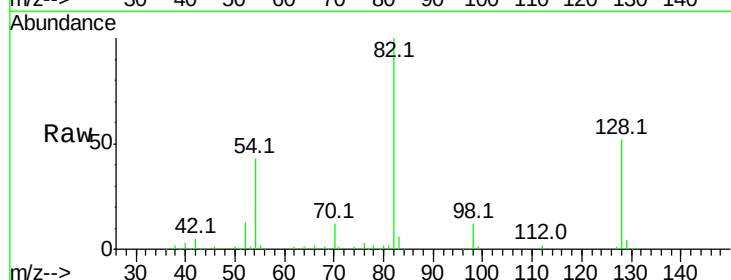
Instrument :
BNA_F
ClientSampled :

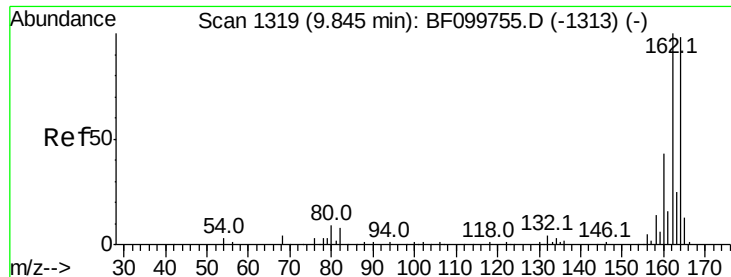
Tot Ion: 82 Resp: 217130
Ion Ratio Lower Upper
82 100
128 52.4 36.1 54.1
54 42.9 41.4 62.2



#25
Isophorone
Concen: 19.158 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.27 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Tgt Ion: 82 Resp: 217128
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

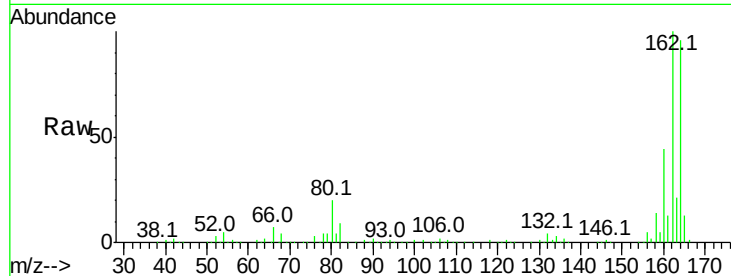




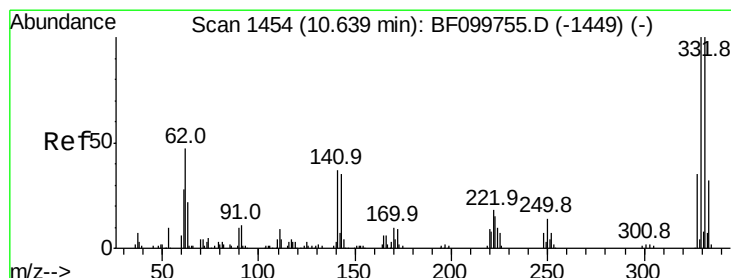
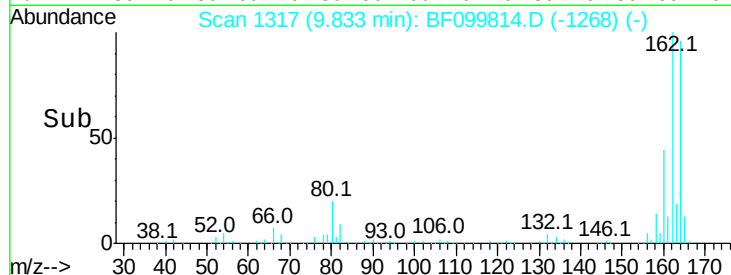
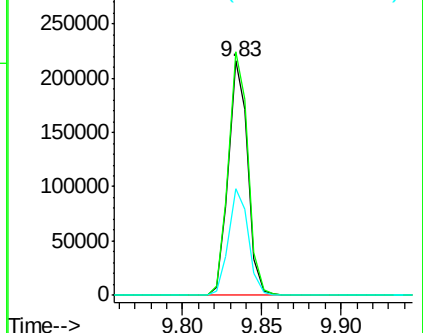
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 182845
Ion Ratio Lower Upper
164 100
162 103.9 86.1 129.1
160 45.5 38.3 57.5

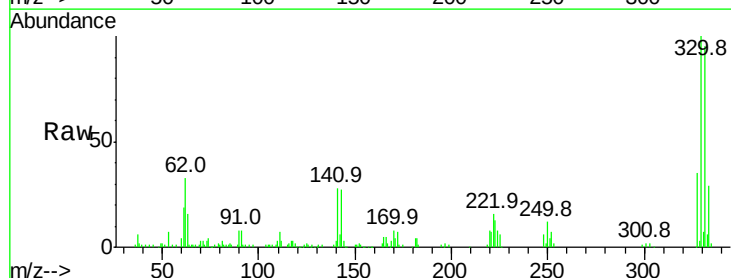


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

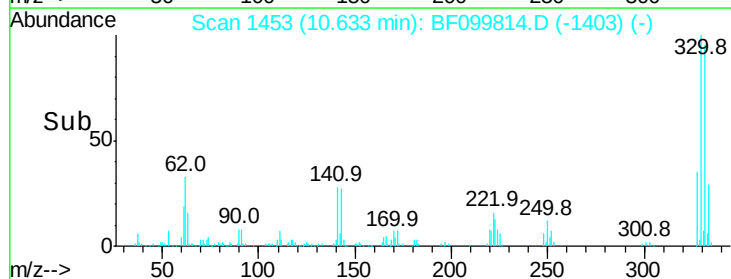
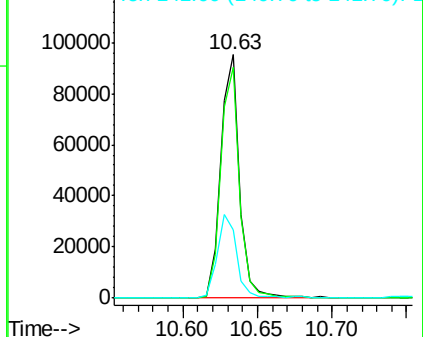


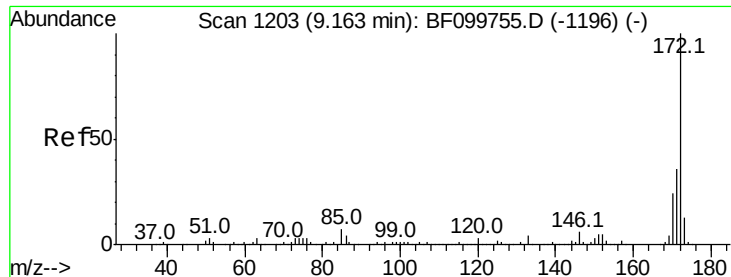
#41
2,4,6-Tribromophenol
Concen: 50.782 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Tgt Ion:330 Resp: 84618
Ion Ratio Lower Upper
330 100
332 95.0 77.0 115.6
141 35.5 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

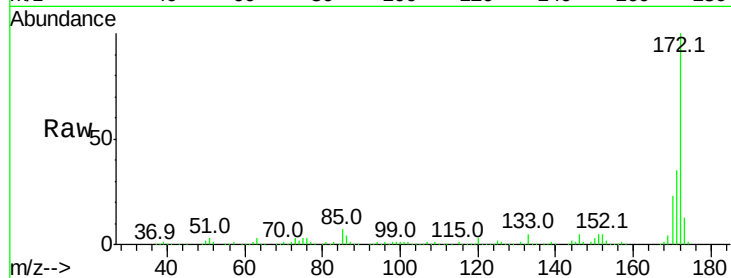




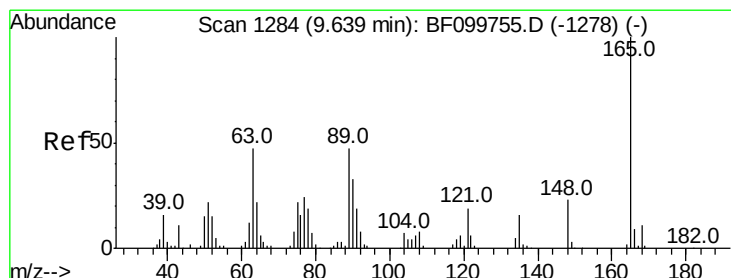
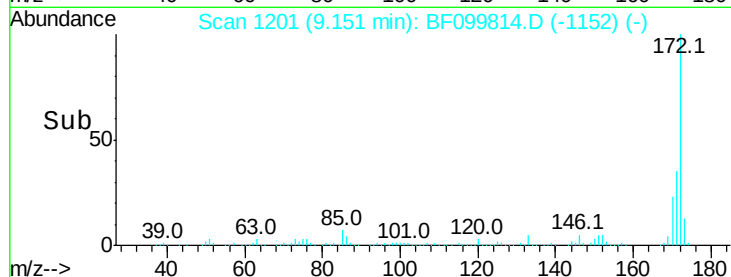
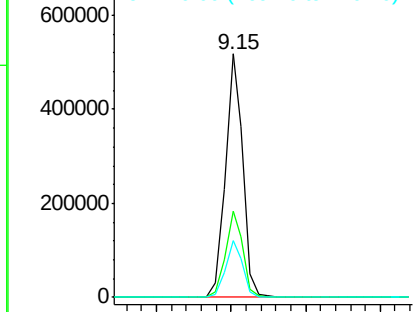
#44
2-Fluorobiphenyl
Concen: 36.013 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.2	19.6	29.4

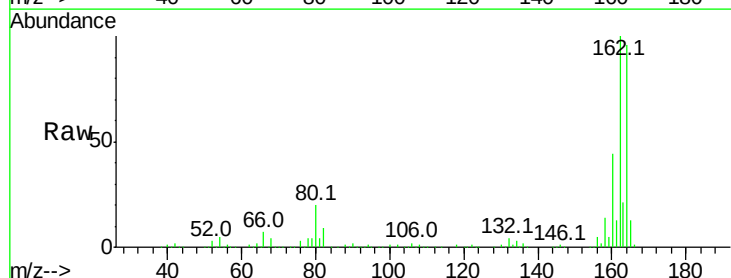


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

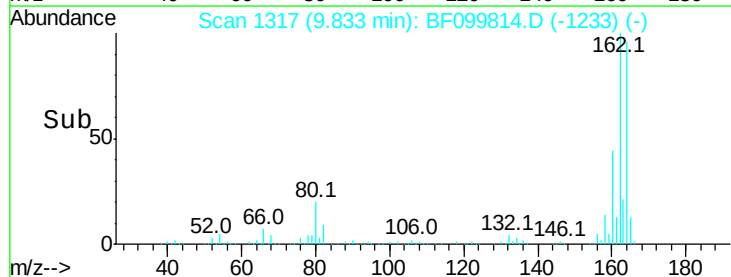
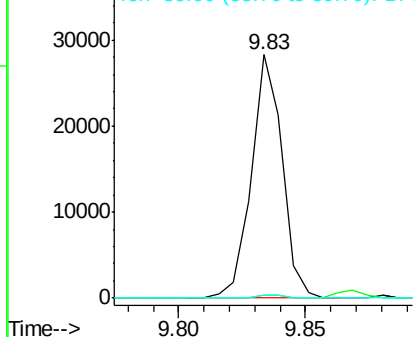


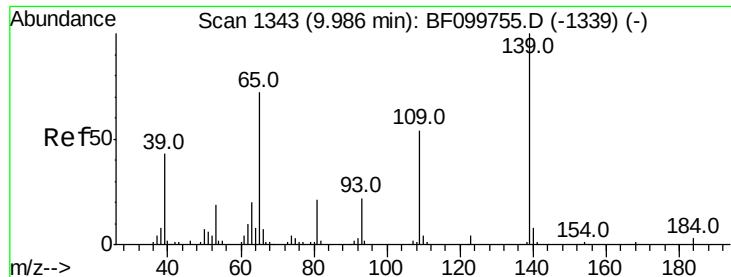
#50
2,6-Dinitrotoluene
Concen: 7.834 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.19 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.2	44.0	66.0#



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





#55

4-Nitrophenol

Concen: 2.114 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.06 min

Lab File: BF099814.D

Acq: 25 Oct 2017 15:38

Instrument :

BNA_F

ClientSampleId :

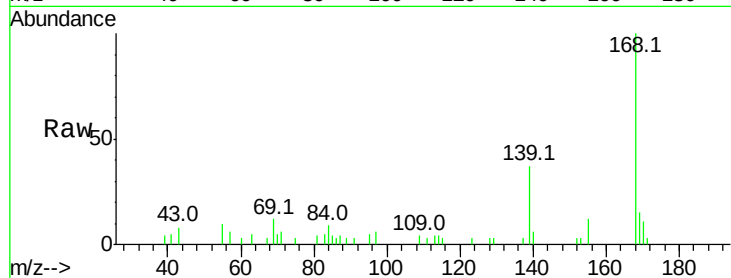
Tot Ion:139 Resp: 3962

Ion Ratio Lower Upper

139 100

109 10.0 48.4 88.4#

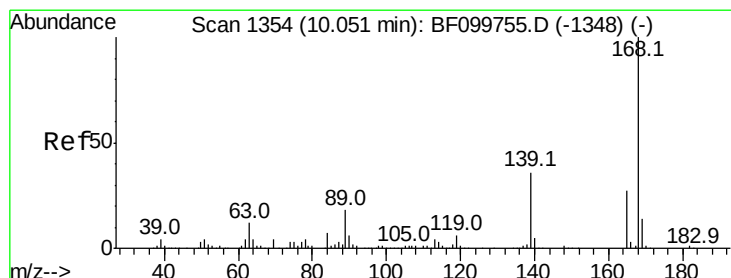
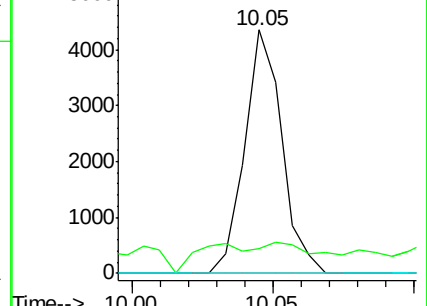
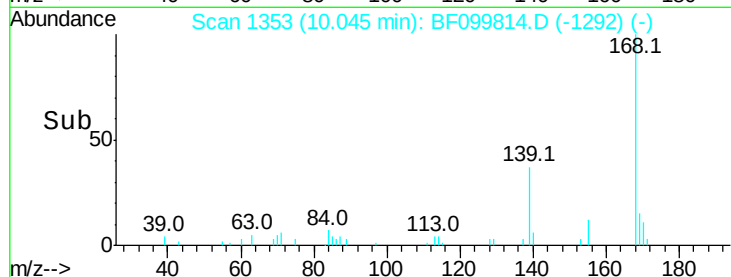
65 0.0 72.6 112.6#



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: 6.505 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.22 min

Lab File: BF099814.D

Acq: 25 Oct 2017 15:38

Tgt Ion:165 Resp: 23848

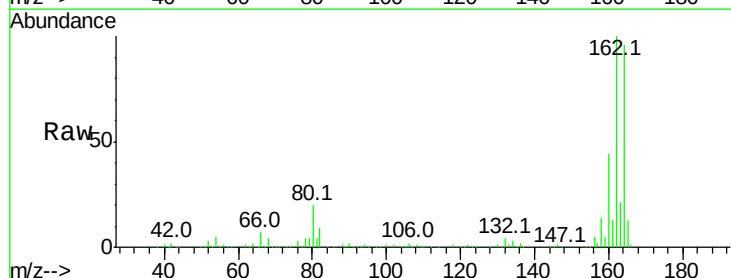
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#

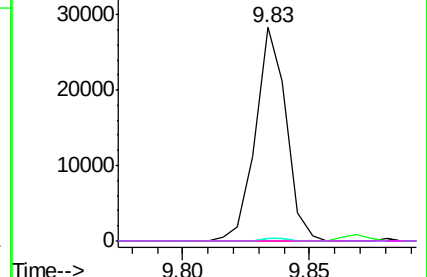
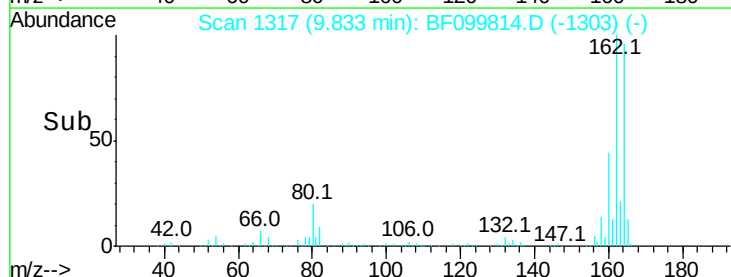


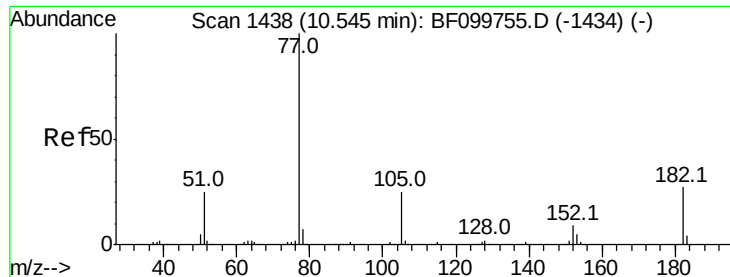
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

Azobenzene

Concen: 2.537 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BF099814.D

Acq: 25 Oct 2017 15:38

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 30076

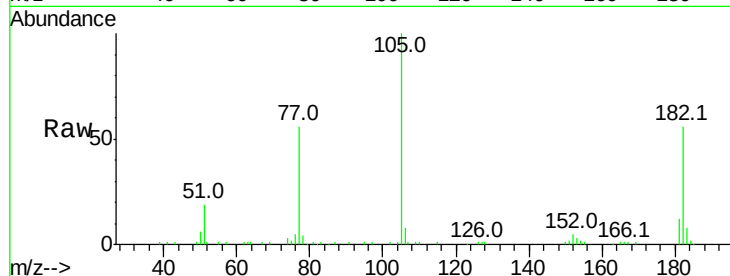
Ion Ratio Lower Upper

77 100

182 100.2 1.7 41.7#

105 179.6 3.0 43.0#

51 33.8 9.9 49.9

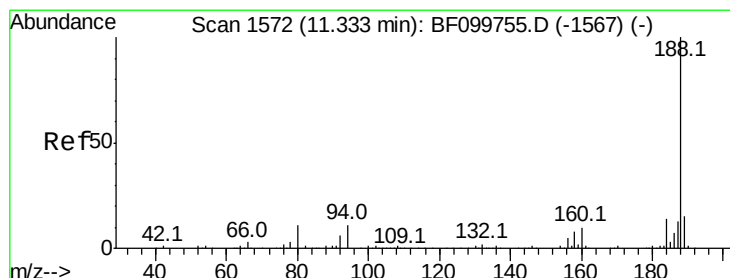
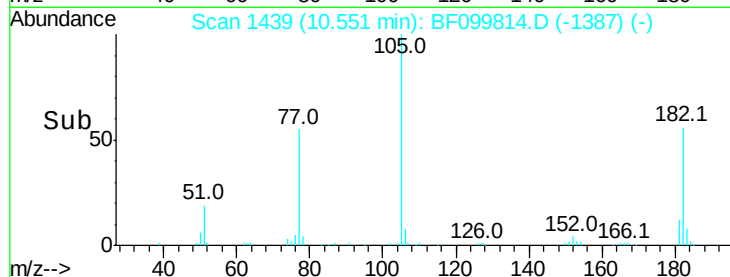
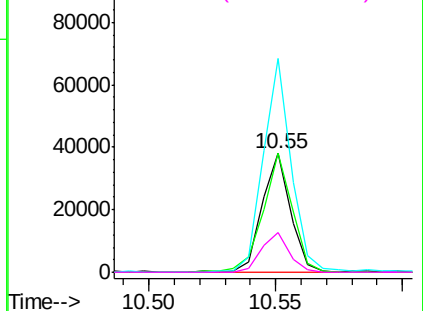


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF099814.D

Acq: 25 Oct 2017 15:38

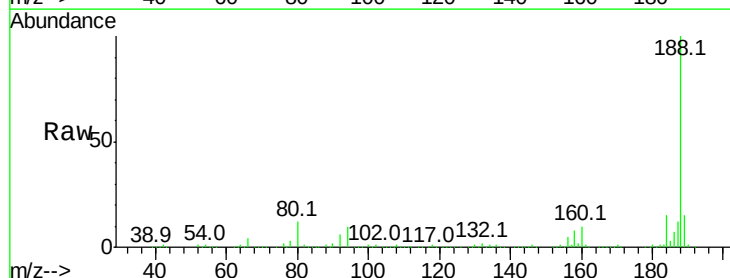
Tgt Ion: 188 Resp: 312349

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

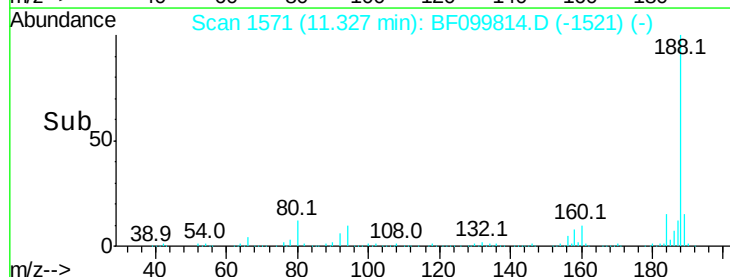
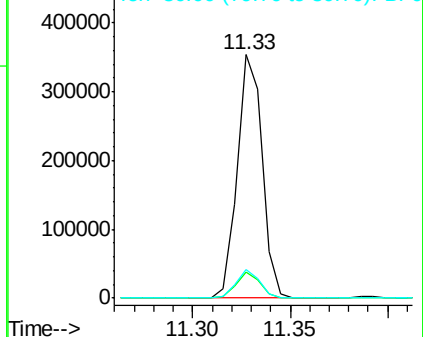
80 11.8 9.2 13.8

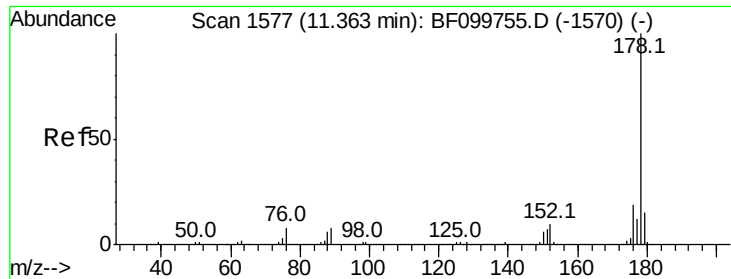


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

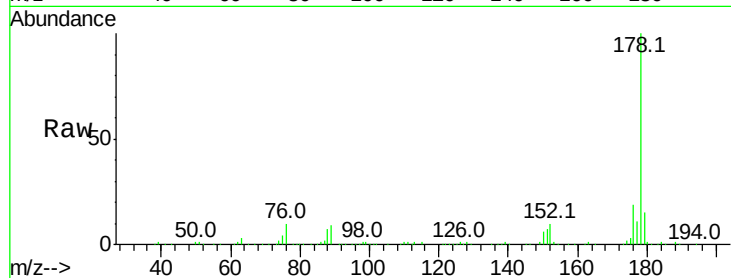




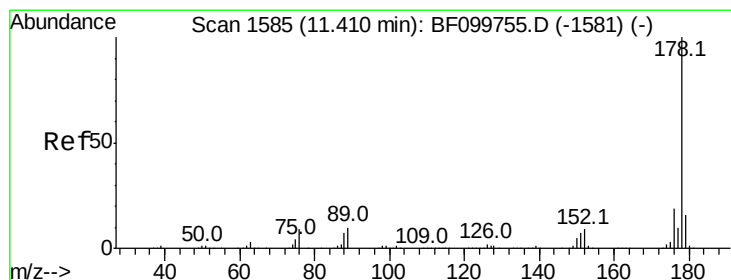
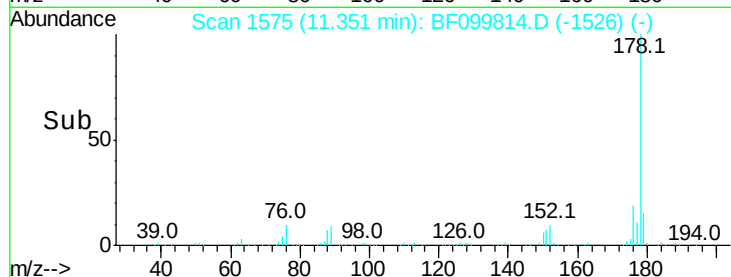
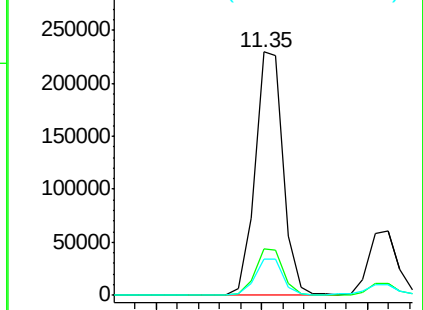
#70
Phenanthrene
Concen: 12.037 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 212189
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 14.9 13.0 19.6

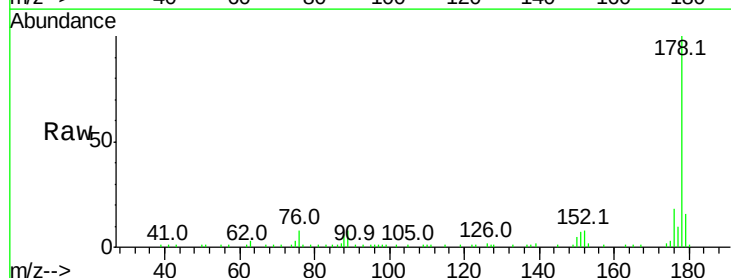


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

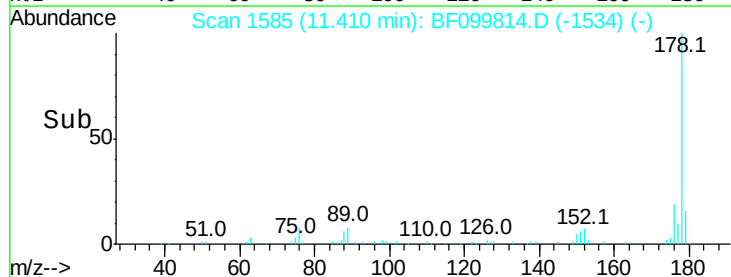
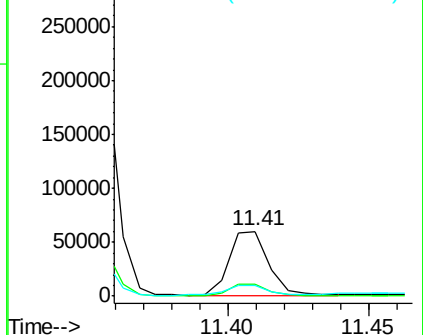


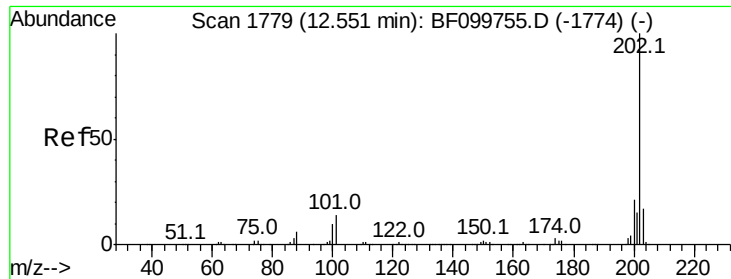
#71
Anthracene
Concen: 3.192 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Tgt Ion:178 Resp: 57114
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 16.4 12.6 19.0



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

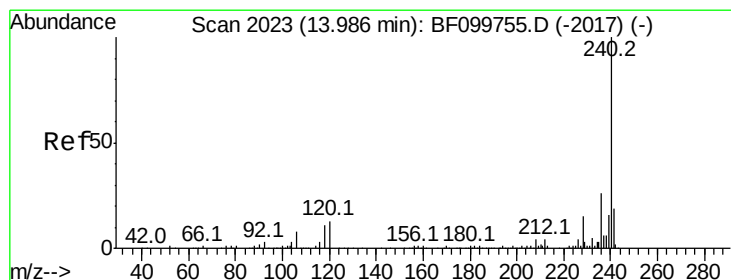
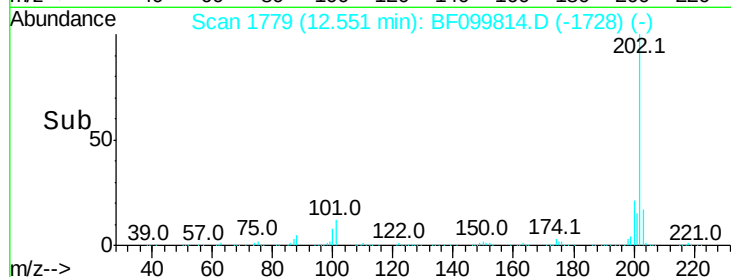
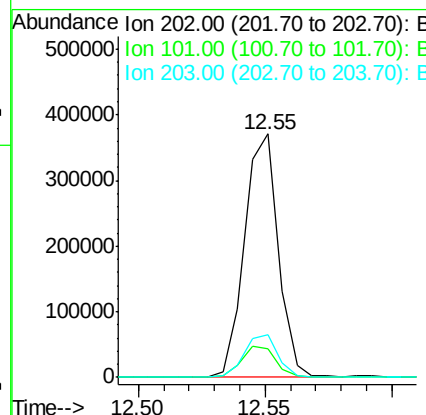
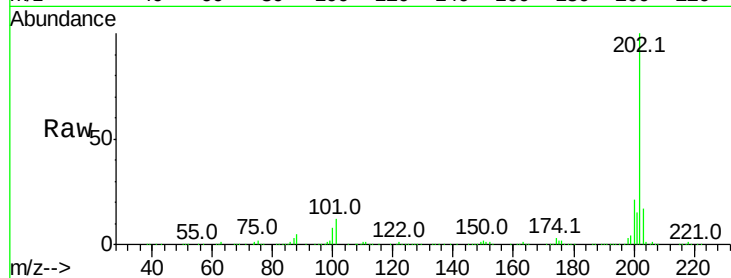




#74
 Fluoranthene
 Concen: 18.669 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: BF099814.D
 Acq: 25 Oct 2017 15:38

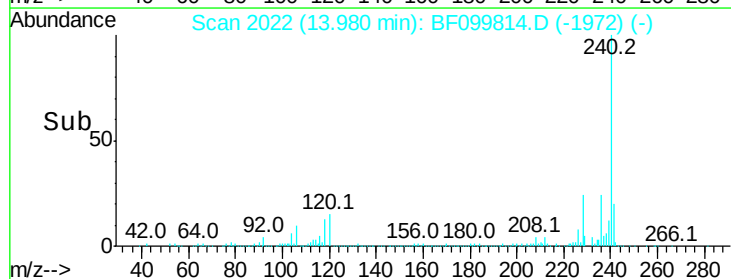
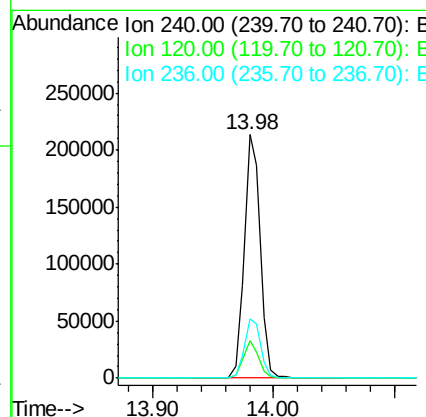
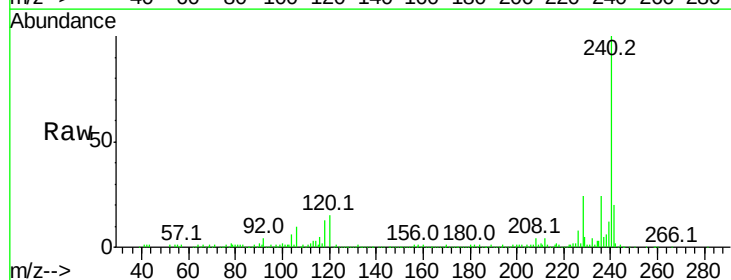
Instrument :
 BNA_F
 ClientSampled :

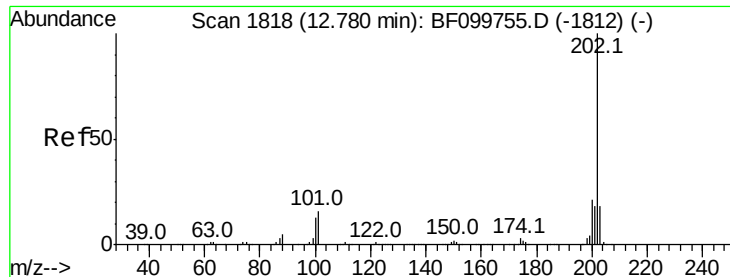
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	34.1
203	17.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF099814.D
 Acq: 25 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.2	9.5	14.3#
236	24.4	20.7	31.1

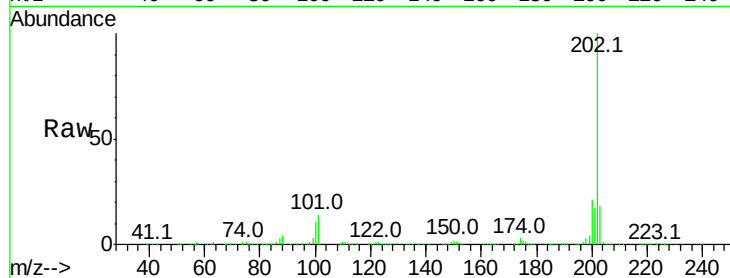




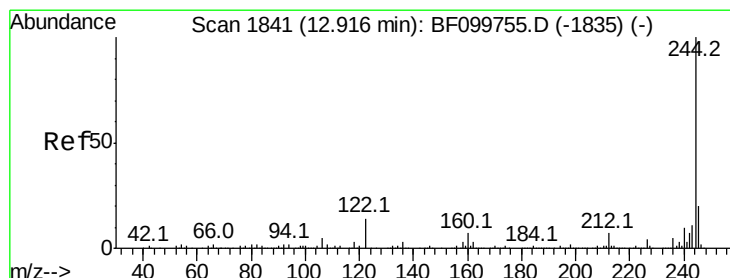
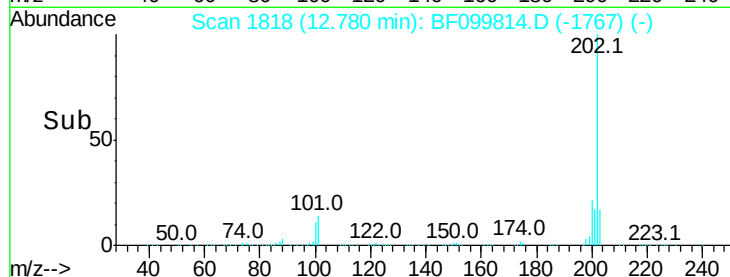
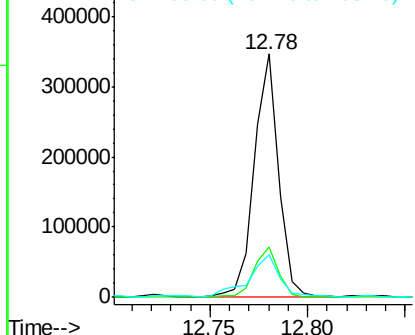
#77
Pvrene
Concen: 19.795 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.6	14.3	21.5

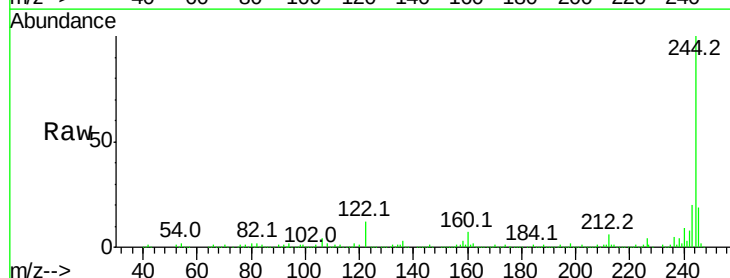


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

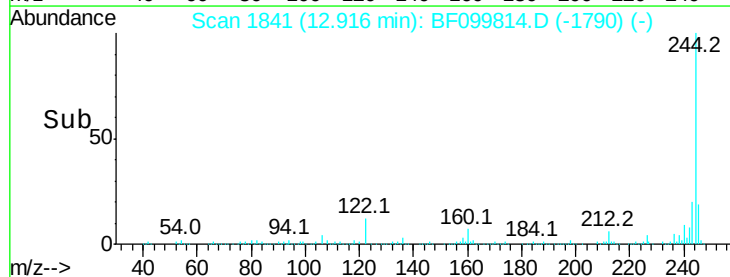
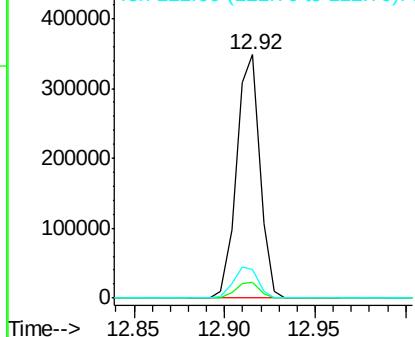


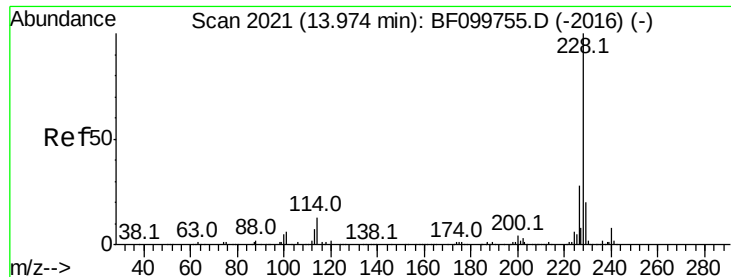
#78
Terphenyl-d14
Concen: 34.385 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.00 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	11.8	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: 9.879 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BF099814.D

Acq: 25 Oct 2017 15:38

Instrument :

BNA_F

ClientSampleId :

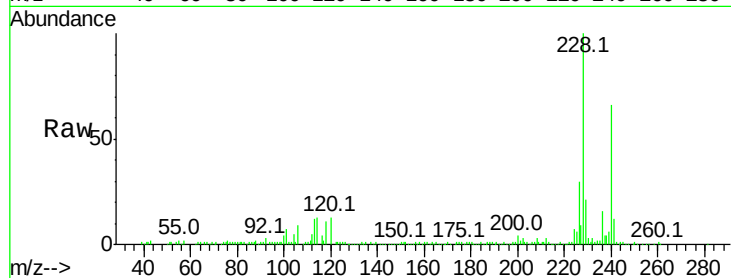
Tot Ion:228 Resp: 124135

Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

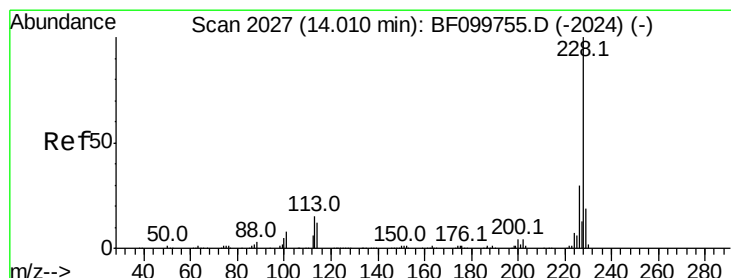
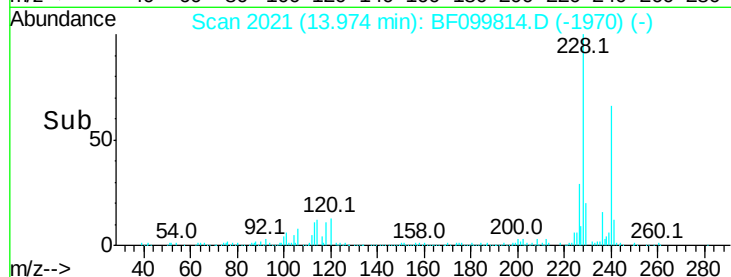
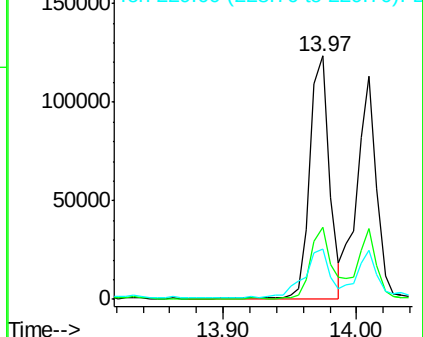
229 20.9 15.8 23.6



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: 9.705 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BF099814.D

Acq: 25 Oct 2017 15:38

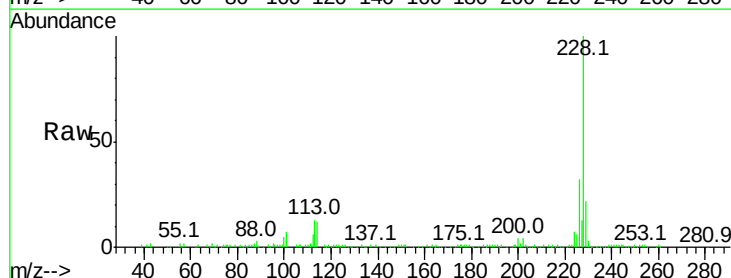
Tgt Ion:228 Resp: 114650

Ion Ratio Lower Upper

228 100

226 31.9 25.0 37.6

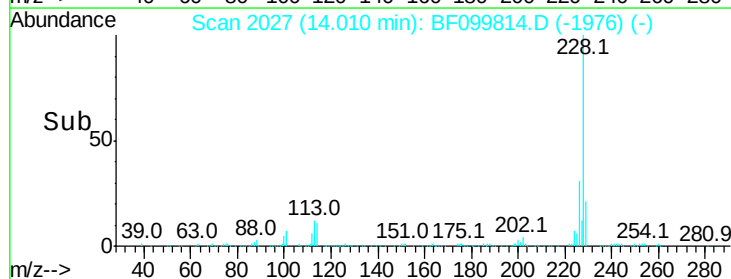
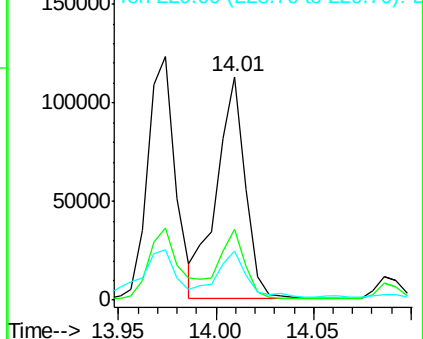
229 22.0 16.2 24.4

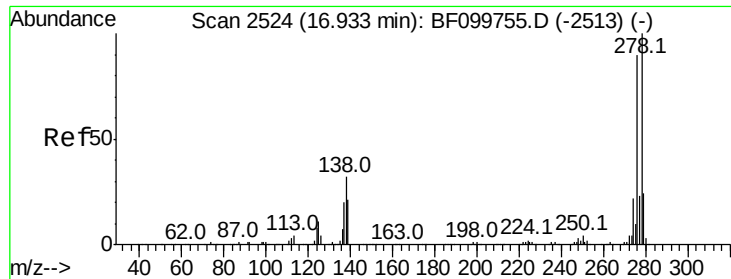


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

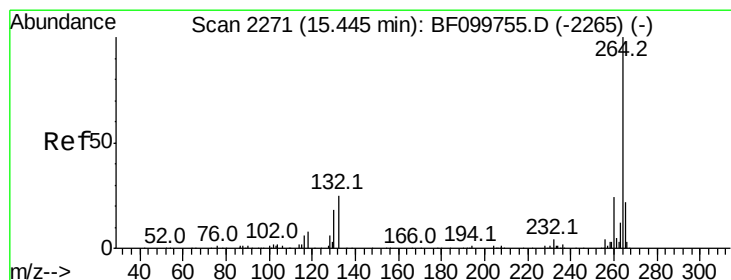
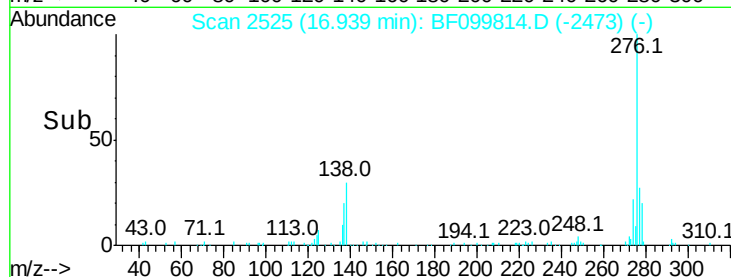
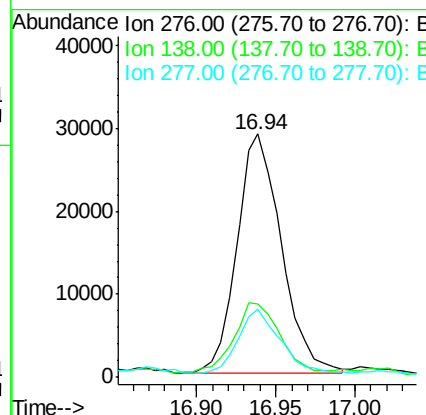
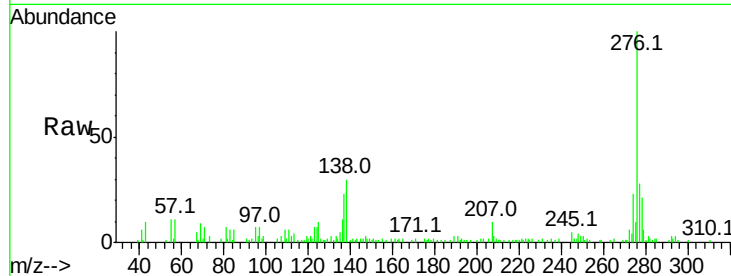




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.142 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

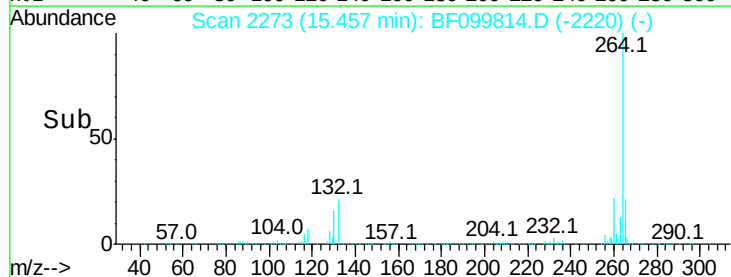
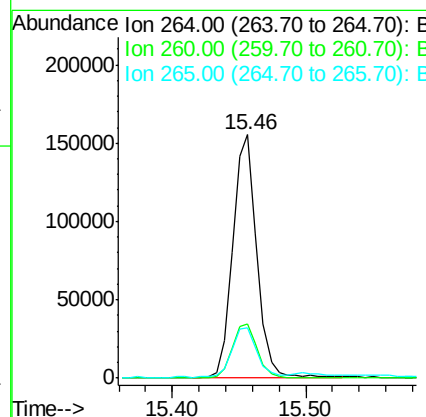
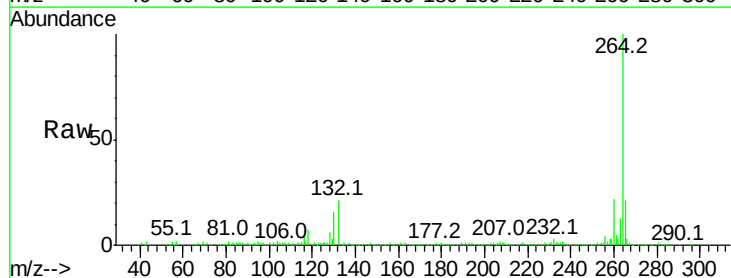
Instrument :
BNA_F
ClientSampleId :

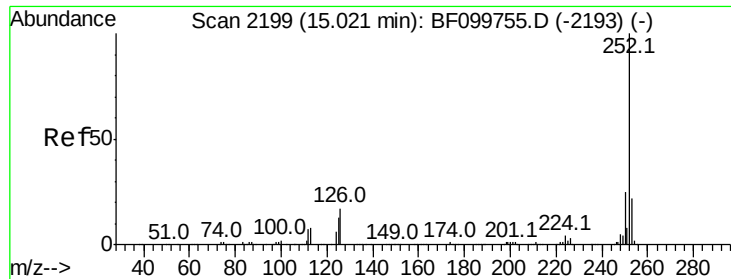
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.7	25.0	37.6
277	25.1	20.1	30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.2	28.8
265	20.9	17.5	26.3

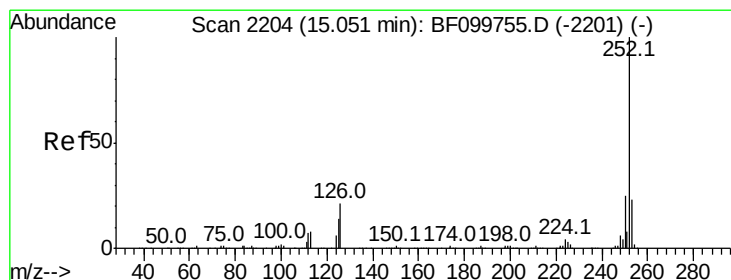
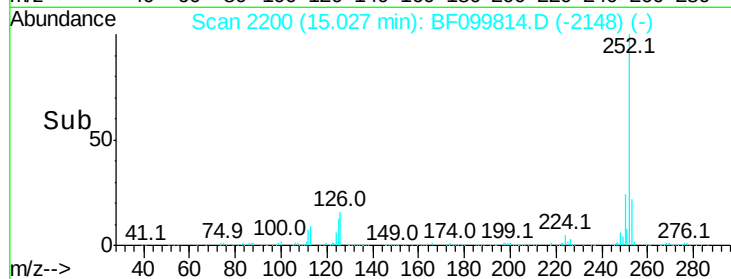
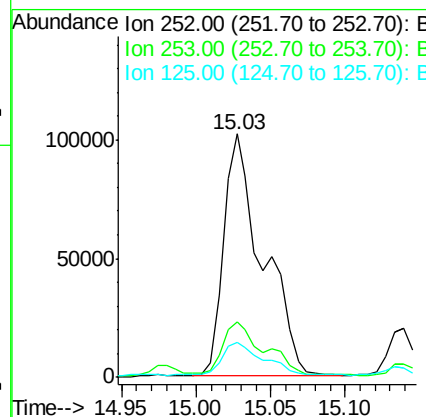
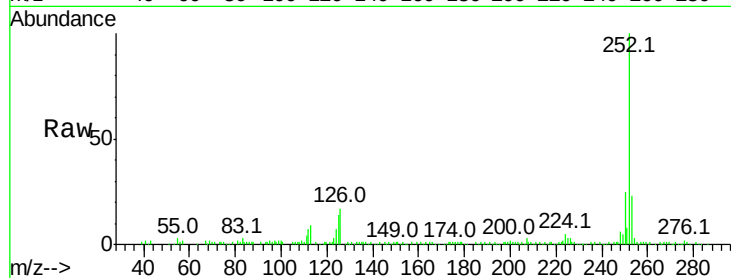




#87
Benzo(b)fluoranthene
Concen: 15.007 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

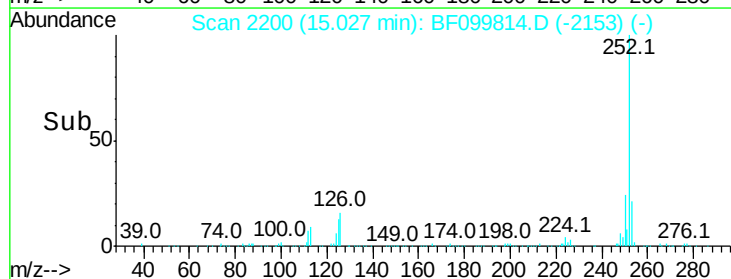
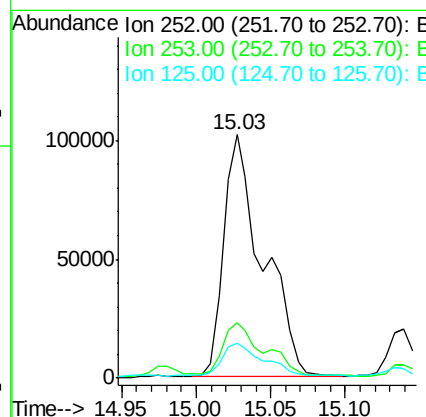
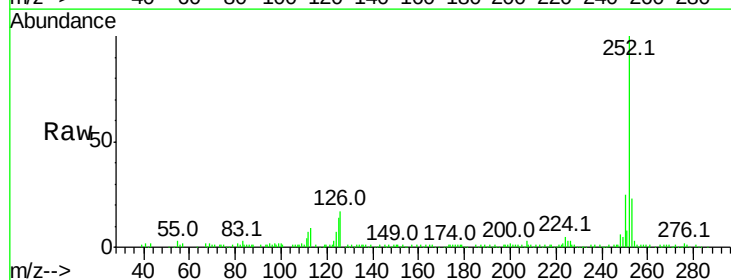
Instrument :
BNA_F
ClientSampled :

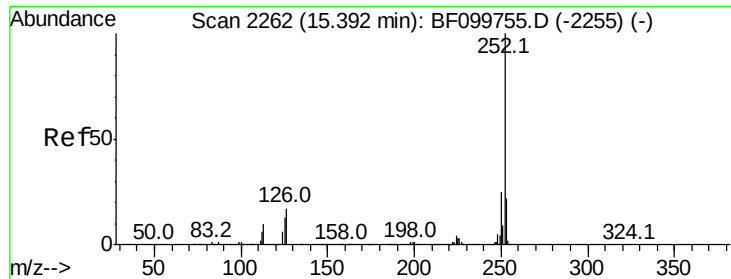
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	14.1	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 15.914 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	14.1	10.2	15.2

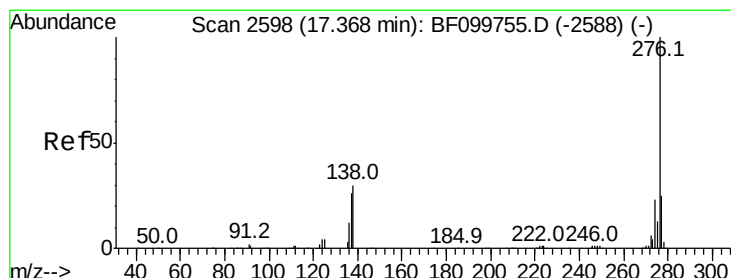
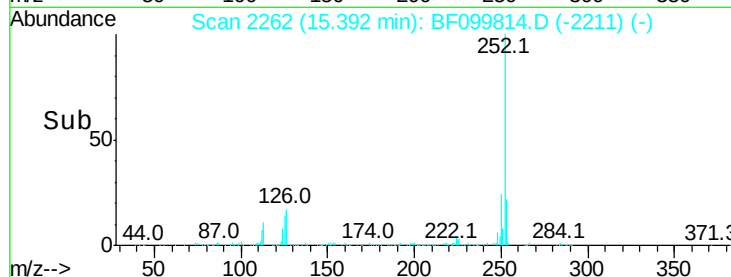
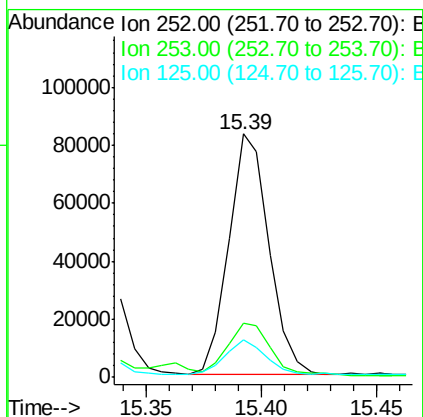
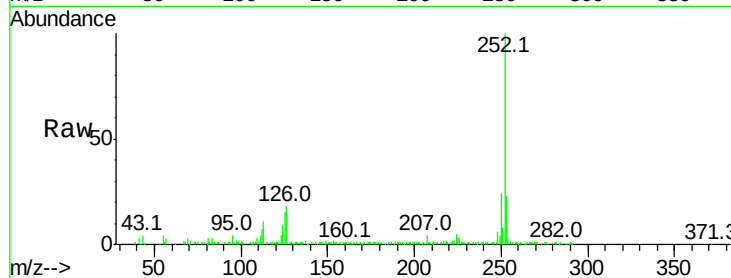




#89
Benzo(a)pyrene
Concen: 8.991 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	15.2	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 5.525 ng
RT: 17.39 min Scan# 2601
Delta R.T. 0.02 min
Lab File: BF099814.D
Acq: 25 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	31.5	21.8	32.8

