

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100918\
 Data File : BF109711.D
 Acq On : 9 Oct 2018 22:47
 Operator : JU/SJ
 Sample : J5326-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FL-PIT-3

Quant Time: Oct 10 03:08:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	81494	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	308111	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	124361	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	201078	20.00	ng	0.00
75) Chrysene-d12	13.83	240	206934	20.00	ng	0.00
86) Perylene-d12	15.23	264	187317	20.00	ng	0.00

System Monitoring Compounds

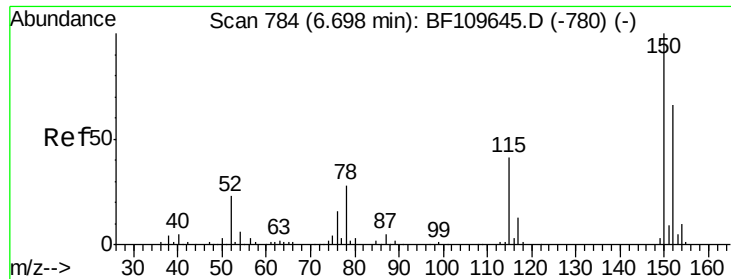
5) 2-Fluorophenol	5.32	112	671606	146.28	ng	0.00
7) Phenol-d6	6.35	99	924082	150.67	ng	0.00
23) Nitrobenzene-d5	7.26	82	594054	106.28	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	170022	125.47	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	958775	106.18	ng	0.00
78) Terphenyl-d14	12.78	244	749470	70.11	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.36	94	33754	4.799	ng	87
19) n-Nitroso-di-n-propylamine	7.26	70	76491	17.784	ng	# 76
25) Isophorone	7.26	82	594054	64.003	ng	# 67
49) Dimethylphthalate	9.45	163	93003	10.197	ng	100
56) 2,4-Dinitrotoluene	9.72	165	14955	6.061	ng	# 17
66) 4-Bromophenyl-phenylether	10.51	248	10202	4.416	ng	# 1
70) Phenanthrene	11.23	178	28308	2.813	ng	98
74) Fluoranthene	12.41	202	82083	7.808	ng	99
77) Pyrene	12.63	202	82674	5.453	ng	98
80) Benzo(a)anthracene	13.82	228	72469	6.346	ng	98
82) Chrysene	13.85	228	53033	4.421	ng	96
85) Indeno(1,2,3-cd)pyrene	16.57	276	23967	2.792	ng	94
87) Benzo(b)fluoranthene	14.83	252	115942	11.201	ng	98
88) Benzo(k)fluoranthene	14.83	252	115942	11.148	ng	# 97
89) Benzo(a)pyrene	15.17	252	50198	5.344	ng	99
91) Benzo(g,h,i)perylene	16.97	276	21679	2.814	ng	98

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

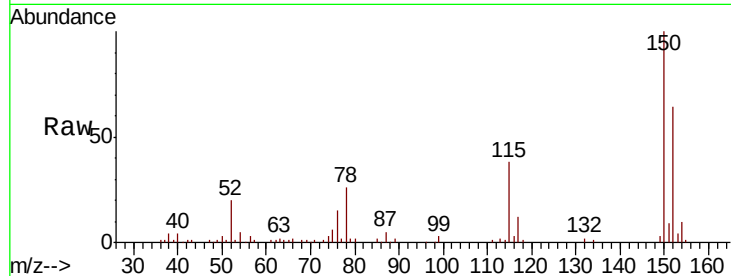
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100918\
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ALS Vial : 15 Sample Multiplier: 1



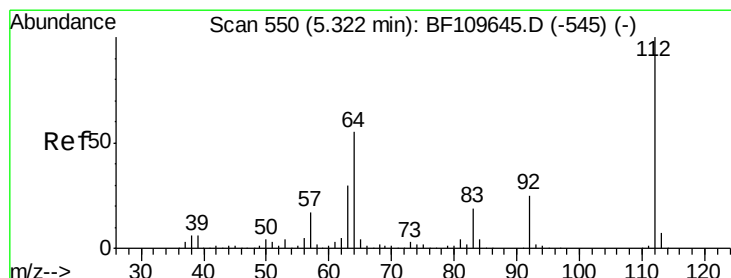
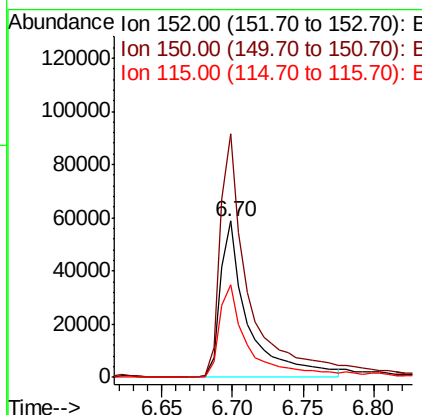
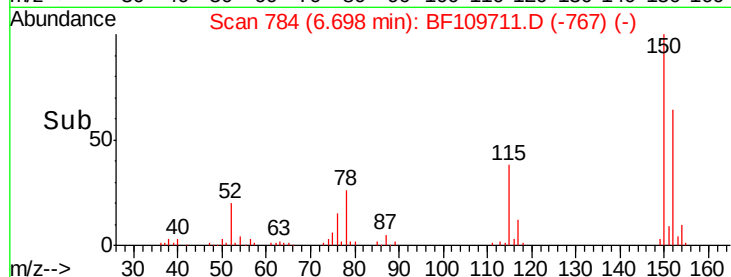
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: BF109711.D
 Acq: 9 Oct 2018 22:47

Instrument :
 BNA_F
 ClientSampleId :
 FL-PIT-3

Tgt Ion:152 Resp: 81494
 Ion Ratio Lower Upper
 152 100
 150 155.7 122.7 184.1
 115 59.3 49.1 73.7

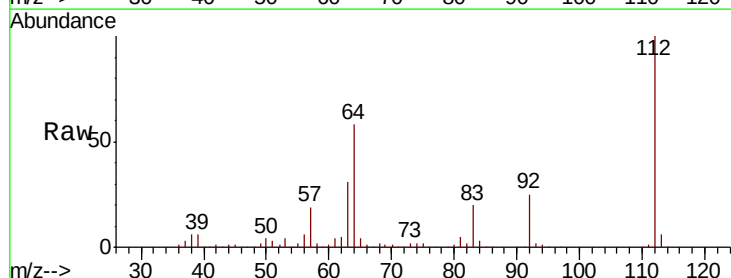


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

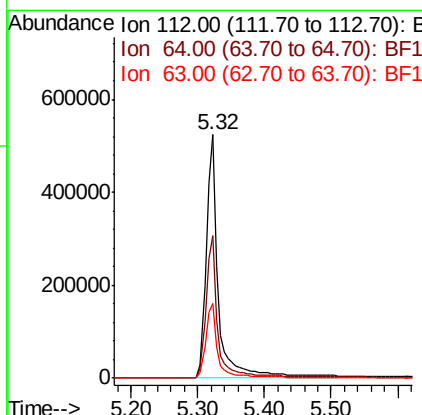
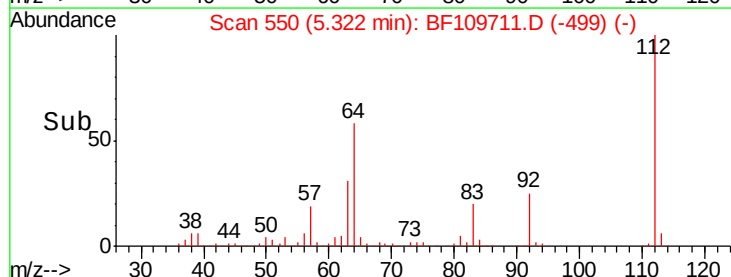


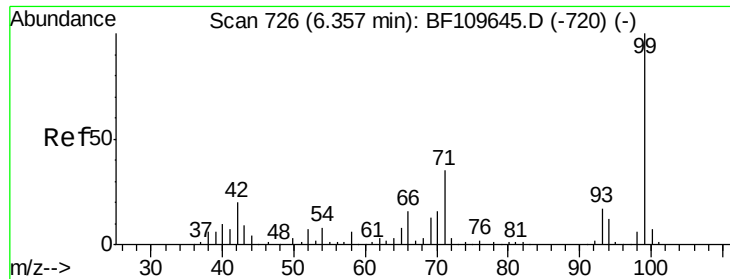
#5
 2-Fluorophenol
 Concen: 146.283 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.00 min
 Lab File: BF109711.D
 Acq: 9 Oct 2018 22:47

Tgt Ion:112 Resp: 671606
 Ion Ratio Lower Upper
 112 100
 64 58.4 44.1 66.1
 63 30.9 23.7 35.5



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





#7

Phenol-d6

Concen: 150.668 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109711.D

Acq: 9 Oct 2018 22:47

Instrument :

BNA_F

ClientSampleId :

FL-PIT-3

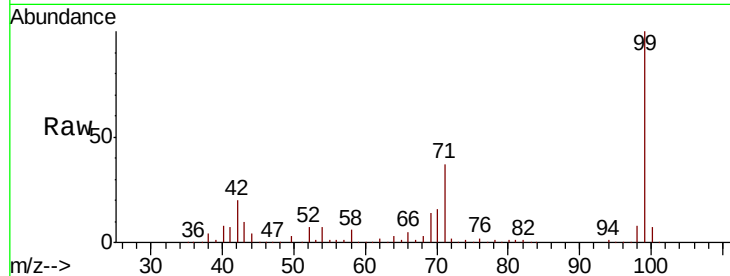
Tgt Ion: 99 Resp: 924082

Ion Ratio Lower Upper

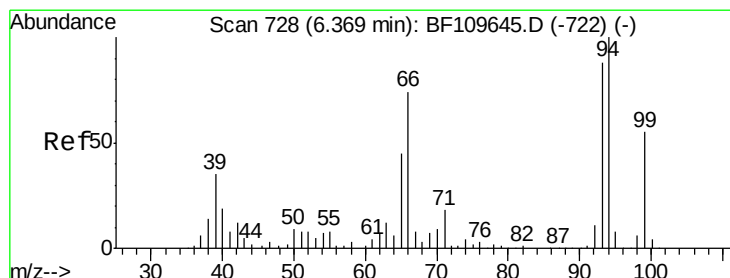
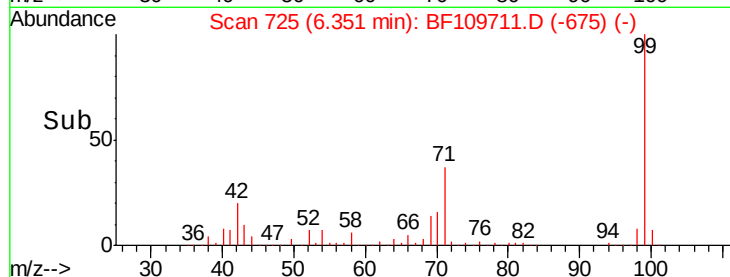
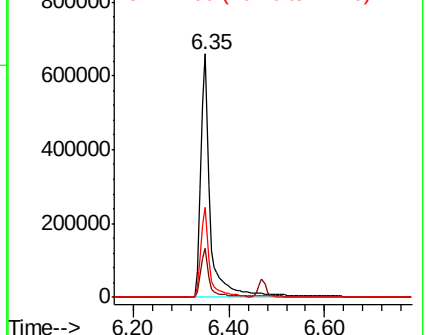
99 100

42 20.1 15.8 23.6

71 36.8 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.799 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF109711.D

Acq: 9 Oct 2018 22:47

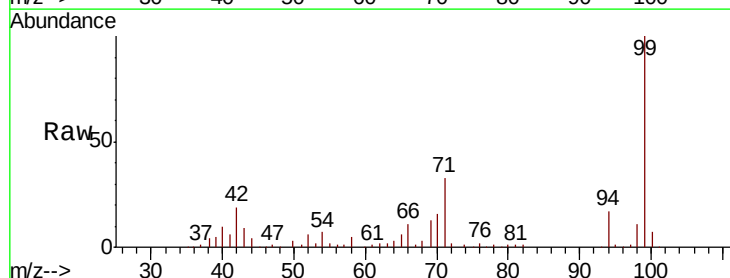
Tgt Ion: 94 Resp: 33754

Ion Ratio Lower Upper

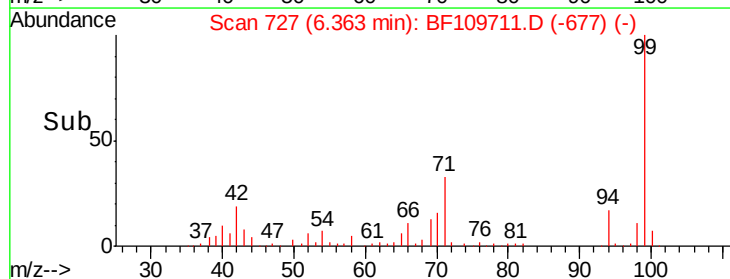
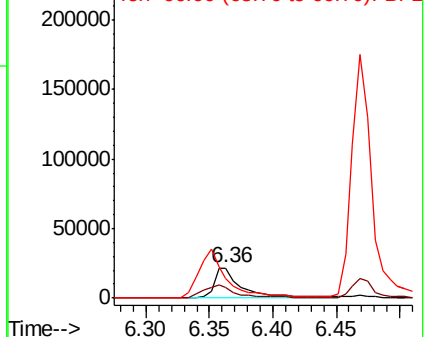
94 100

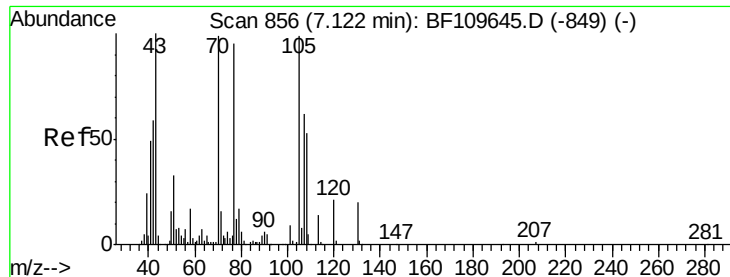
65 34.2 25.3 65.3

66 65.2 54.5 94.5



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

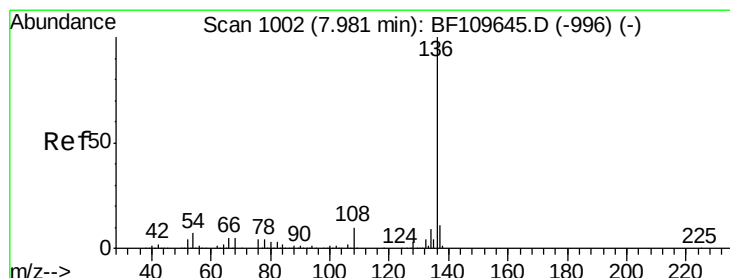
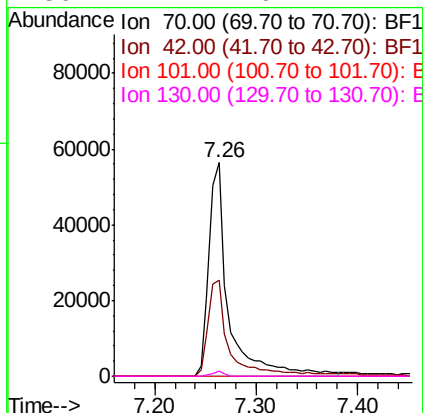
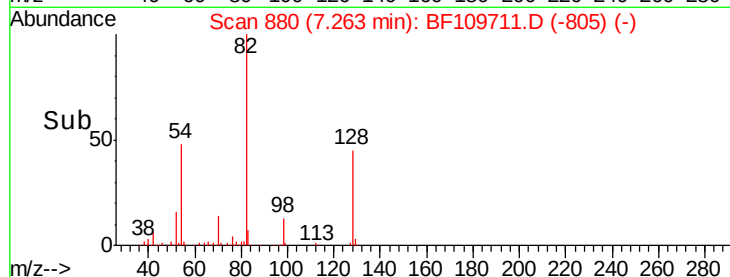
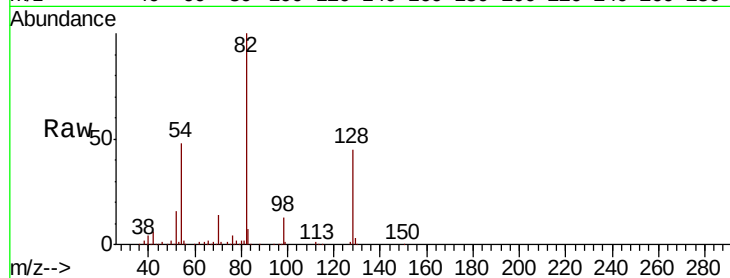




#19
n-Nitroso-di-n-propylamine
Concen: 17.784 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.14 min
Lab File: BF109711.D
Acq: 9 Oct 2018 22:47

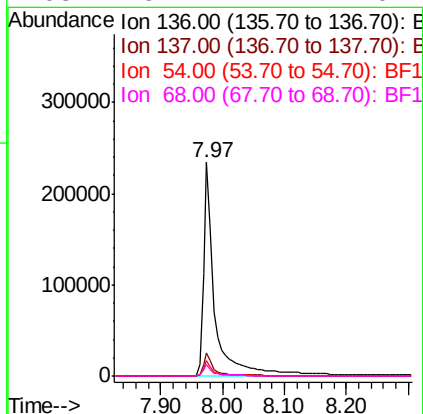
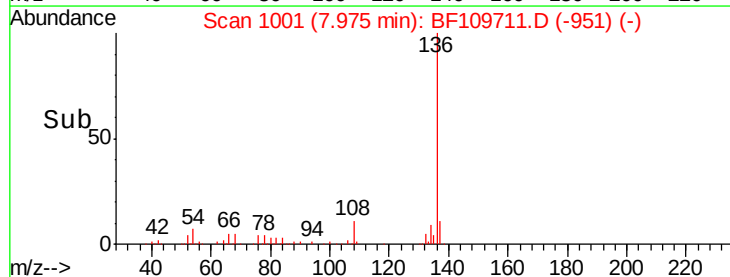
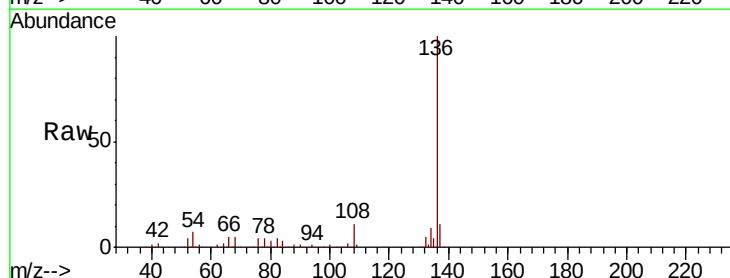
Instrument :
BNA_F
ClientSampleId :
FL-PIT-3

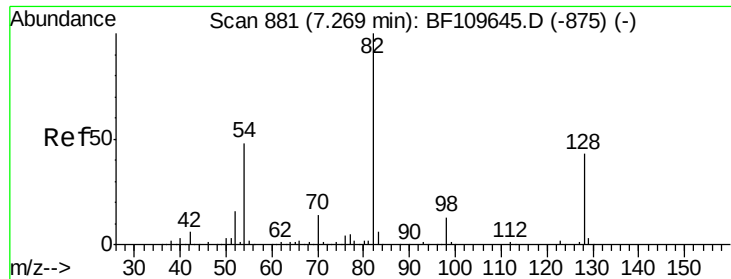
Tgt Ion: 70 Resp: 76491
Ion Ratio Lower Upper
70 100
42 44.9 47.4 71.2#
101 0.0 7.3 10.9#
130 2.4 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109711.D
Acq: 9 Oct 2018 22:47

Tgt Ion: 136 Resp: 308111
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.5 5.4 8.2
68 5.4 4.2 6.2

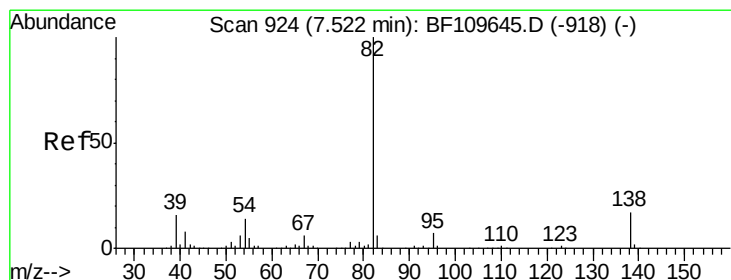
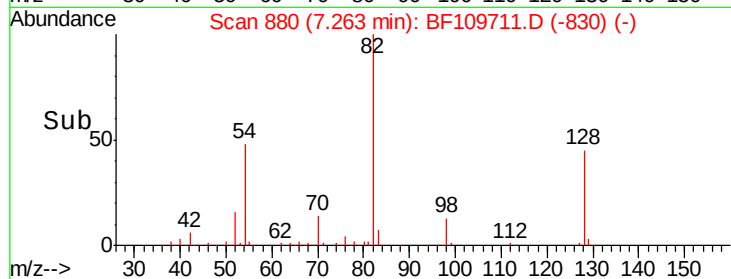
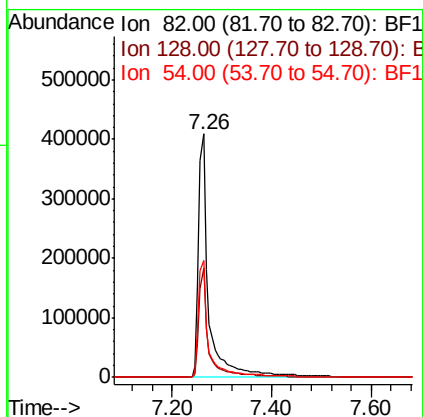
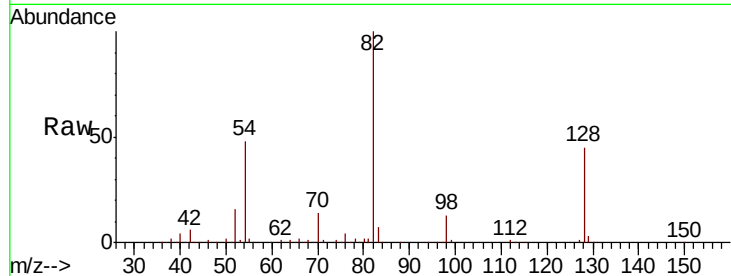




#23
 Nitrobenzene-d5
 Concen: 106.281 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: BF109711.D
 Acq: 9 Oct 2018 22:47

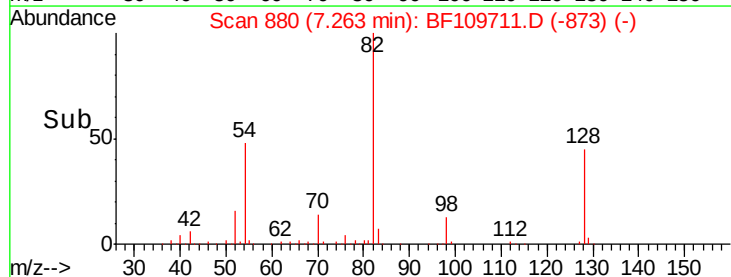
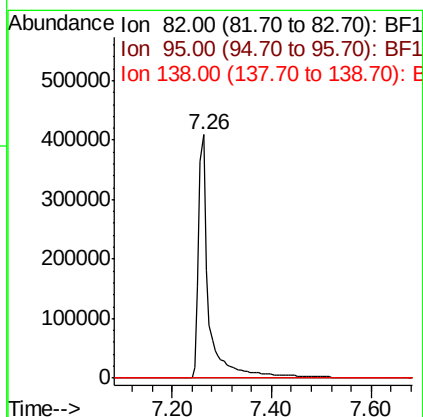
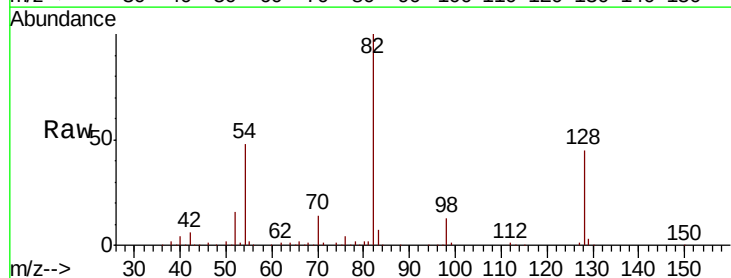
Instrument :
 BNA_F
 ClientSampled :
 FL-PIT-3

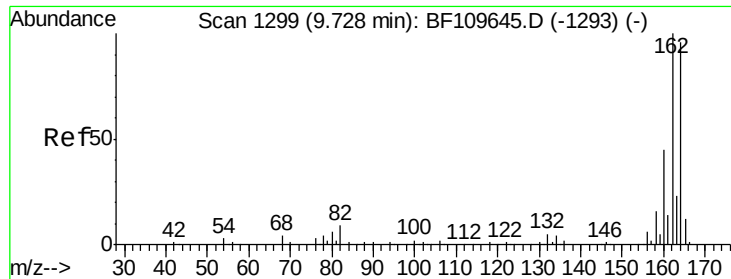
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.2	51.2
54	47.8	38.6	58.0



#25
 Isophorone
 Concen: 64.003 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.26 min
 Lab File: BF109711.D
 Acq: 9 Oct 2018 22:47

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109711.D

Acq: 9 Oct 2018 22:47

Instrument :

BNA_F

ClientSampleId :

FL-PIT-3

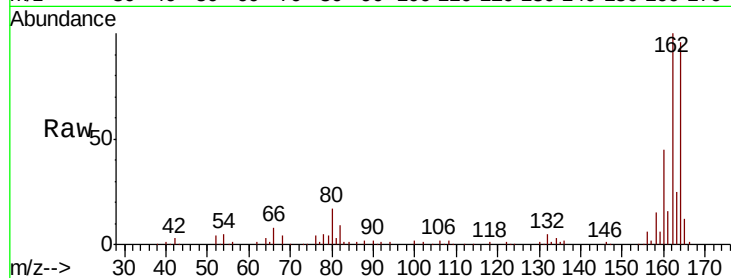
Tgt Ion:164 Resp: 124361

Ion Ratio Lower Upper

164 100

162 103.7 83.0 124.6

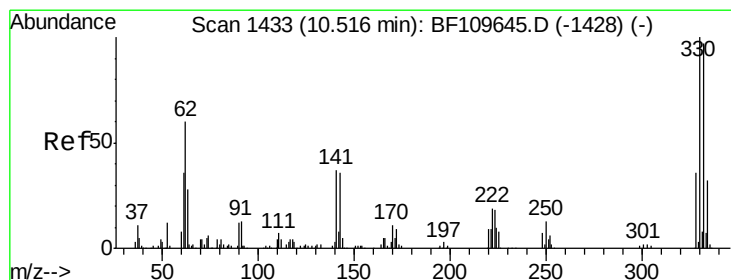
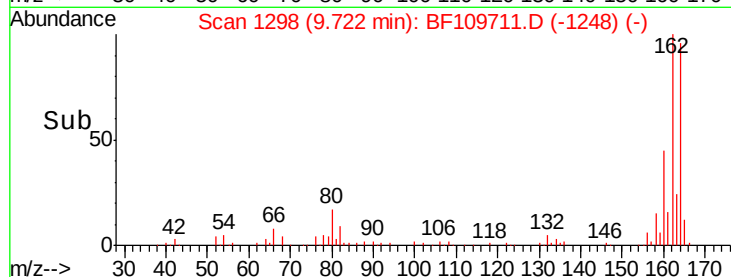
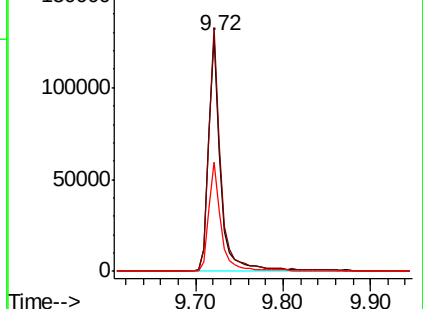
160 46.5 37.0 55.6



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: 125.473 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF109711.D

Acq: 9 Oct 2018 22:47

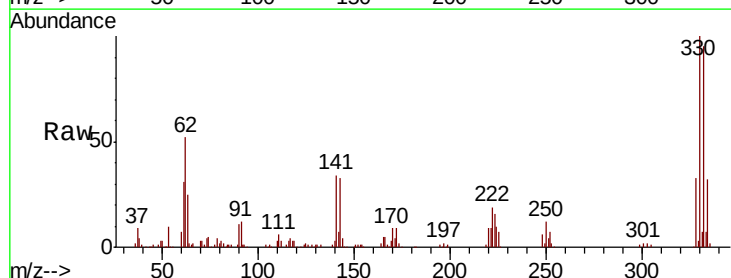
Tgt Ion:330 Resp: 170022

Ion Ratio Lower Upper

330 100

332 98.0 77.1 115.7

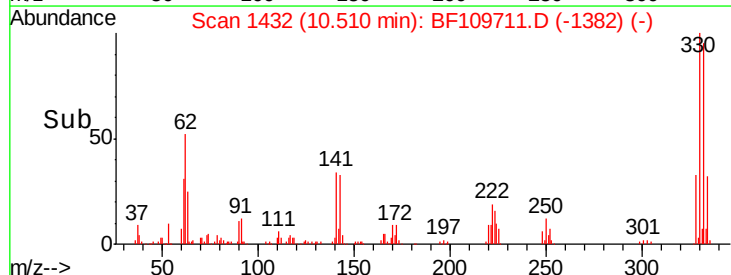
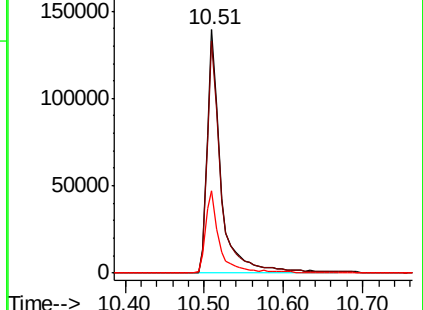
141 35.0 27.0 40.4

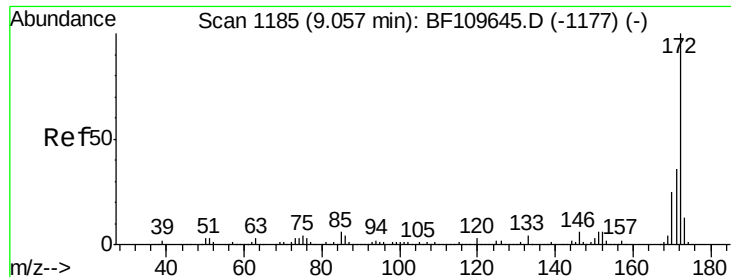


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

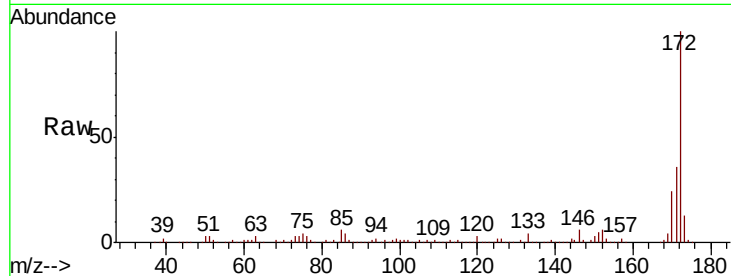




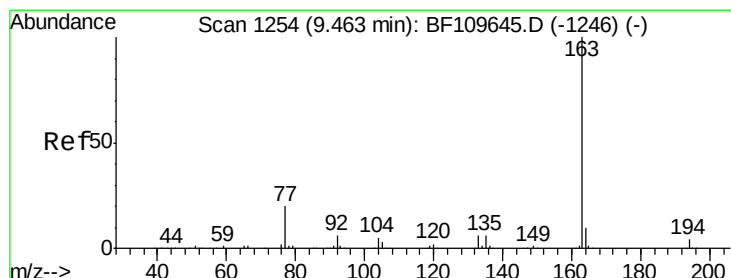
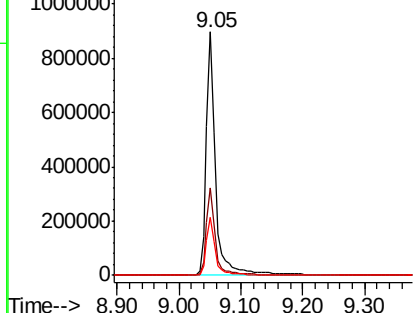
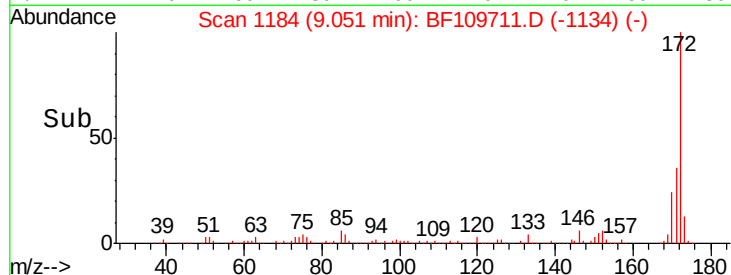
#44
 2-Fluorobiphenyl
 Concen: 106.181 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109711.D
 Acq: 9 Oct 2018 22:47

Instrument :
 BNA_F
 ClientSampleId :
 FL-PIT-3

Tgt Ion:172 Resp: 958775
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 23.9 19.7 29.5

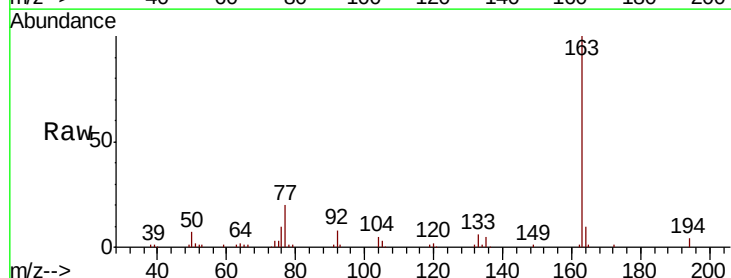


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

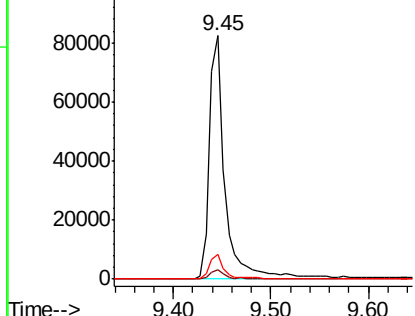
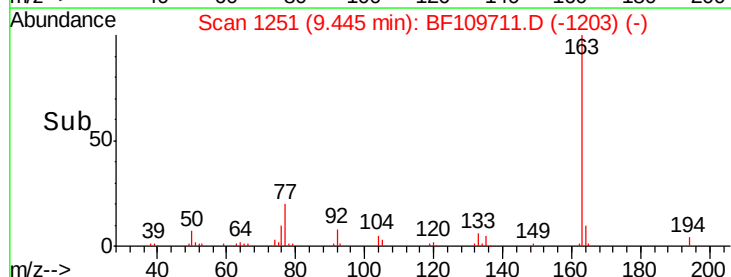


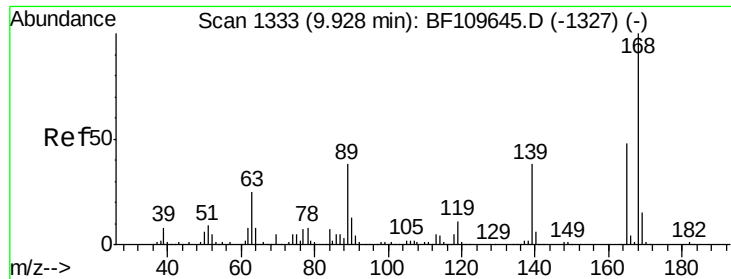
#49
 Dimethylphthalate
 Concen: 10.197 ng
 RT: 9.45 min Scan# 1251
 Delta R.T. -0.02 min
 Lab File: BF109711.D
 Acq: 9 Oct 2018 22:47

Tgt Ion:163 Resp: 93003
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.2 4.8
 164 10.0 8.1 12.1



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

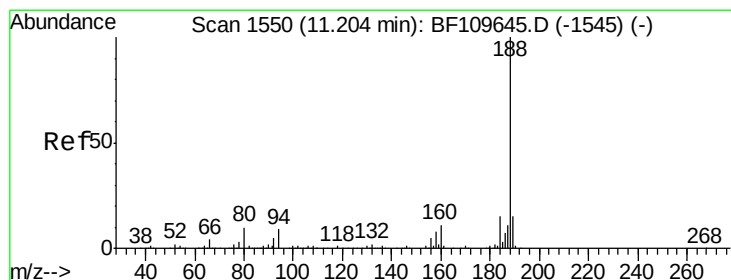
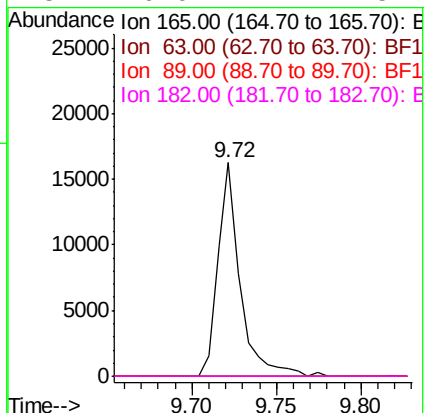
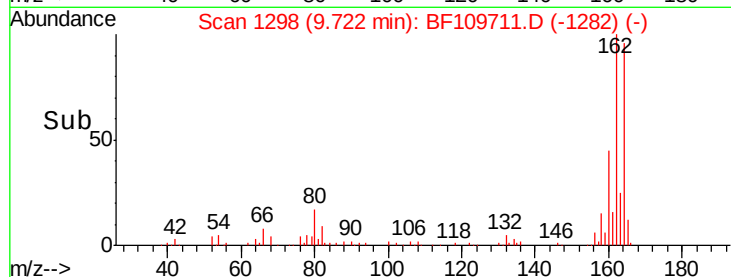
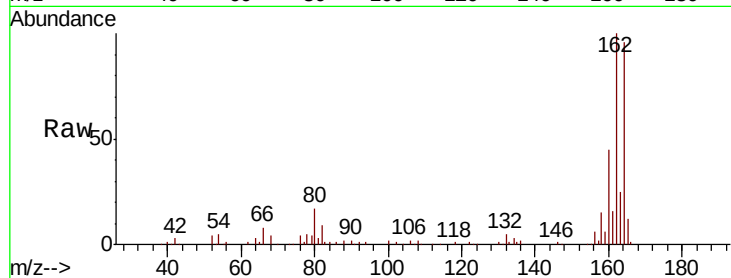




#56
 2,4-Dinitrotoluene
 Concen: 6.061 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF109711.D
 Acq: 9 Oct 2018 22:47

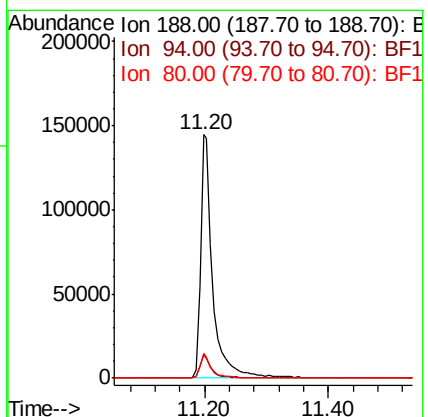
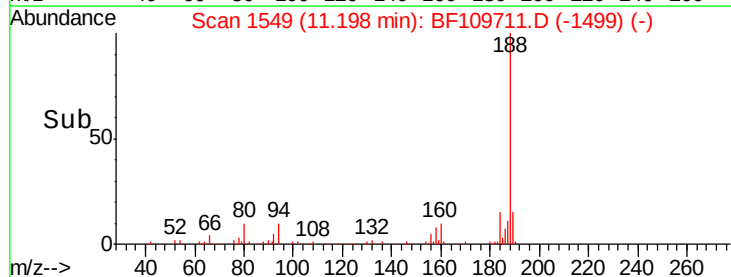
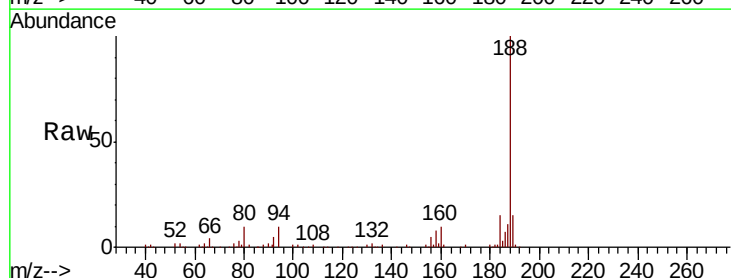
Instrument :
 BNA_F
 ClientSampleId :
 FL-PIT-3

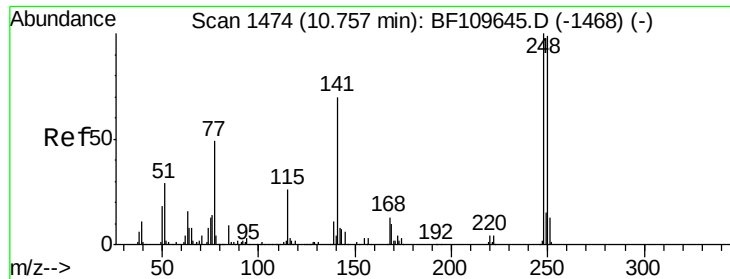
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF109711.D
 Acq: 9 Oct 2018 22:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.2	10.8
80	10.2	7.9	11.9

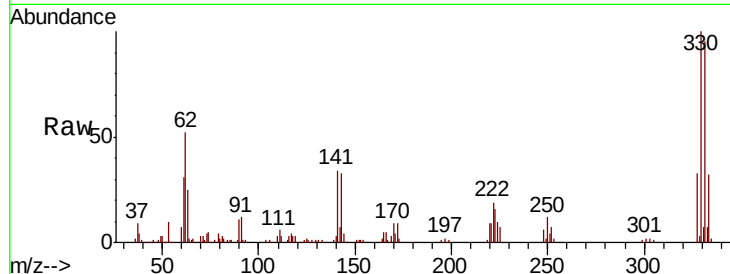




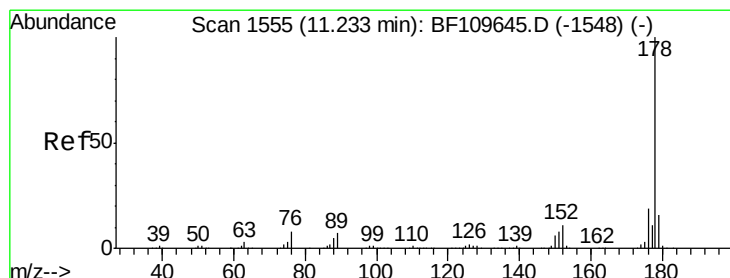
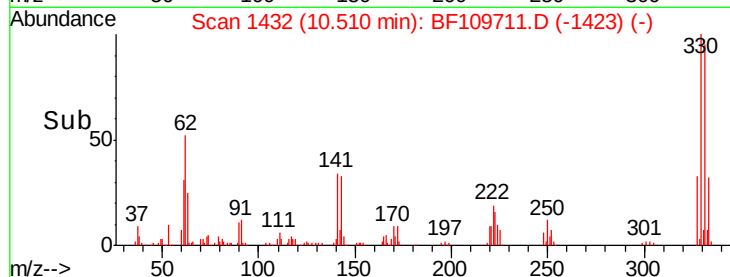
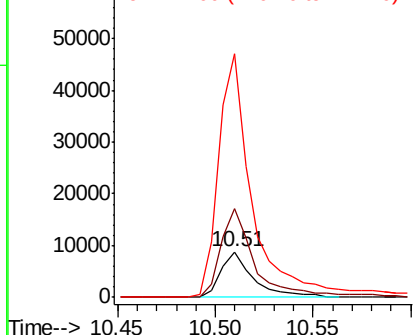
#66
 4-Bromophenyl-phenylether
 Concen: 4.416 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF109711.D
 Acq: 9 Oct 2018 22:47

Instrument :
 BNA_F
 ClientSampleId :
 FL-PIT-3

Tgt Ion:248 Resp: 10202
 Ion Ratio Lower Upper
 248 100
 250 196.8 79.4 119.2#
 141 538.6 55.9 83.9#

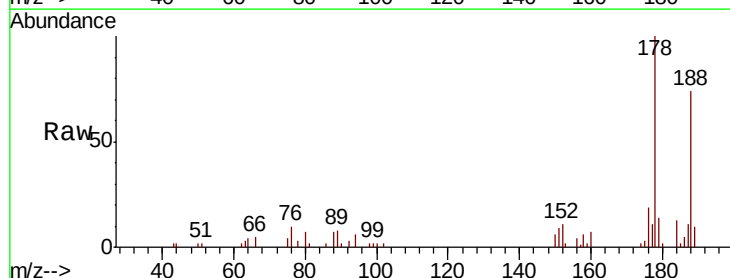


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

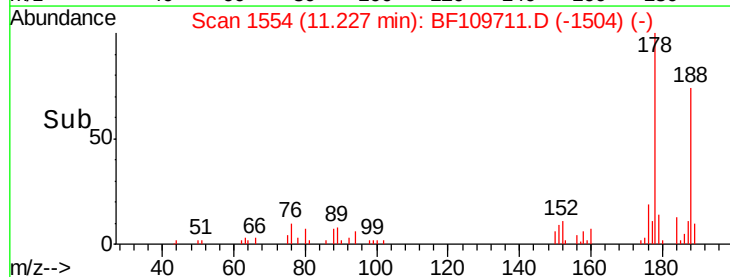
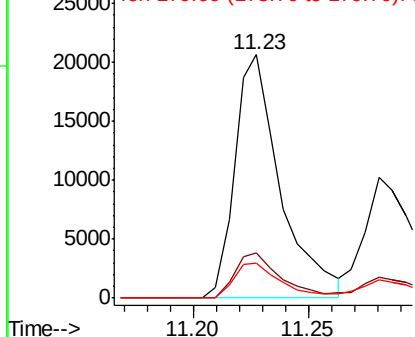


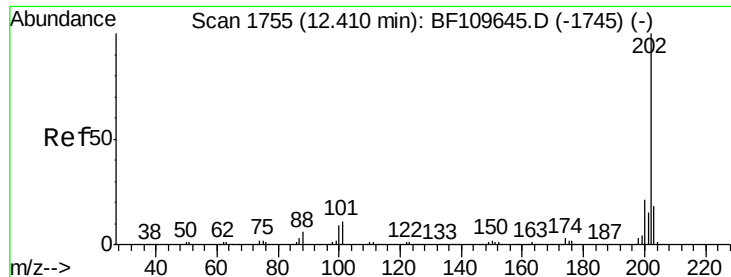
#70
 Phenanthrene
 Concen: 2.813 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF109711.D
 Acq: 9 Oct 2018 22:47

Tgt Ion:178 Resp: 28308
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.5 23.3
 179 14.3 12.5 18.7



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: 7.808 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.00 min

Lab File: BF109711.D

Acq: 9 Oct 2018 22:47

Instrument :

BNA_F

ClientSampleId :

FL-PIT-3

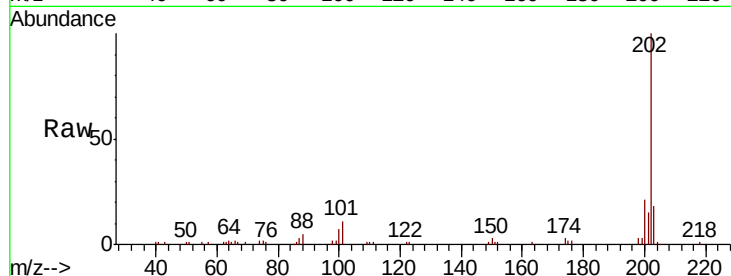
Tgt Ion: 202 Resp: 82083

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.4

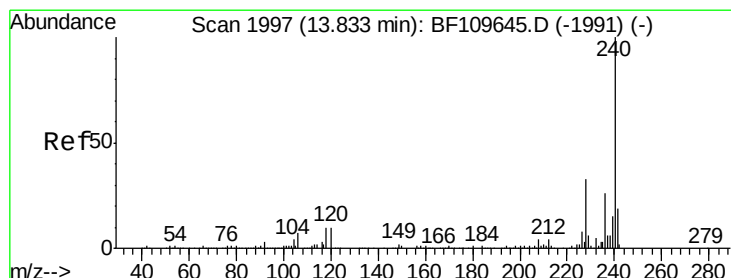
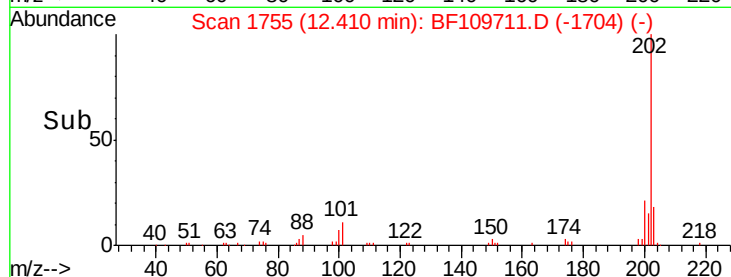
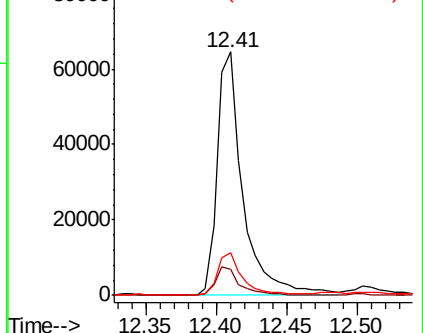
203 17.5 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109711.D

Acq: 9 Oct 2018 22:47

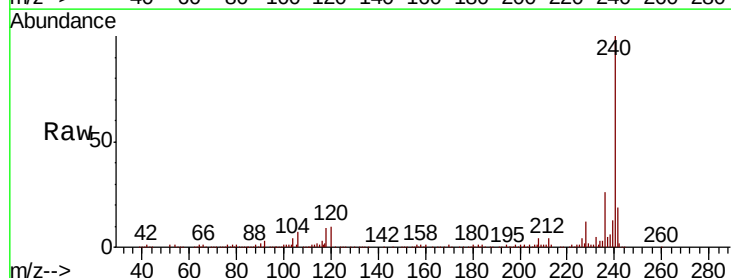
Tgt Ion: 240 Resp: 206934

Ion Ratio Lower Upper

240 100

120 10.2 8.3 12.5

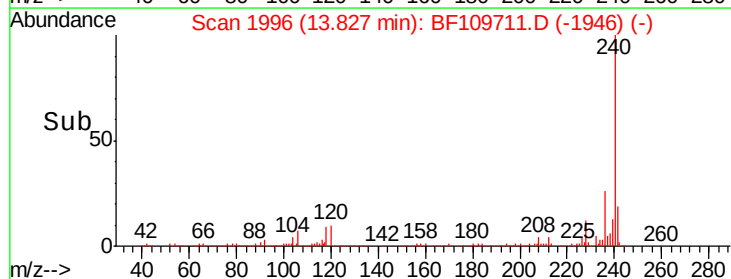
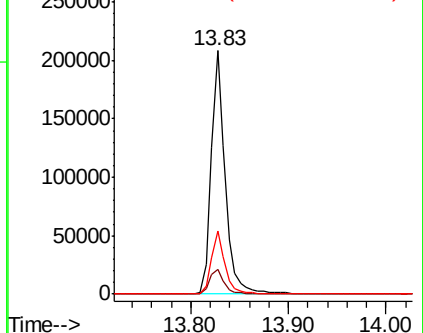
236 25.9 21.2 31.8

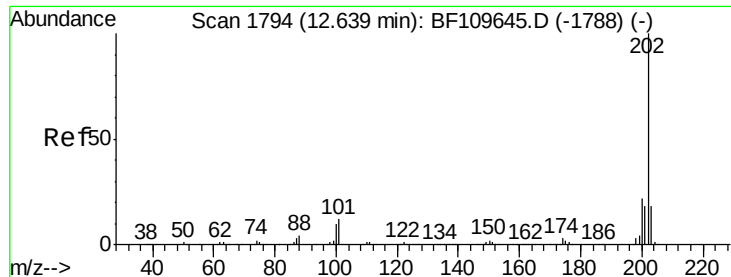


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

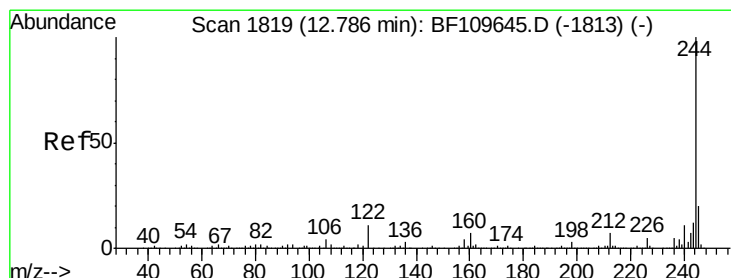
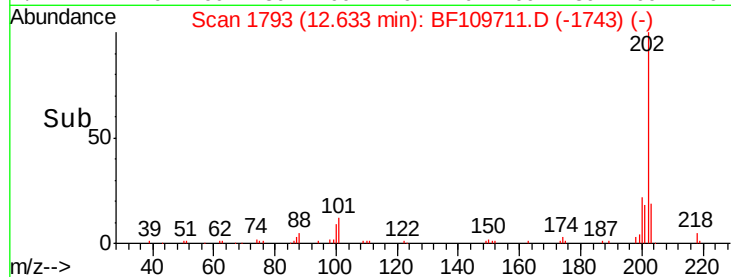
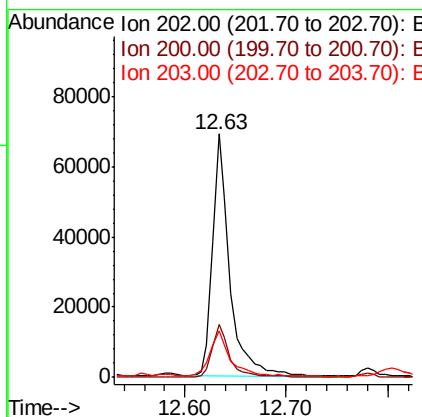
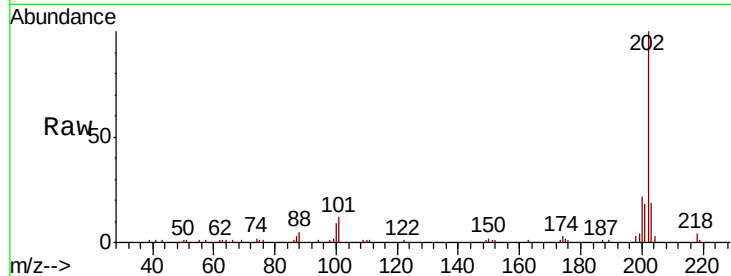




#77
 Pyrene
 Concen: 5.453 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. -0.01 min
 Lab File: BF109711.D
 Acq: 9 Oct 2018 22:47

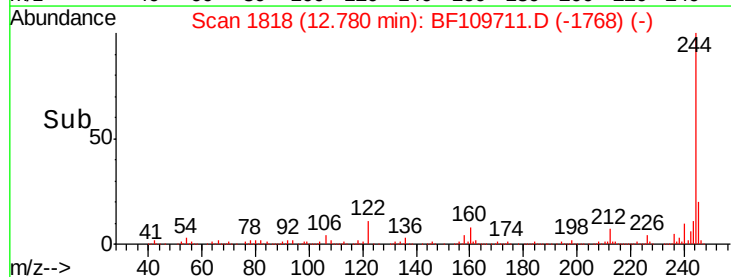
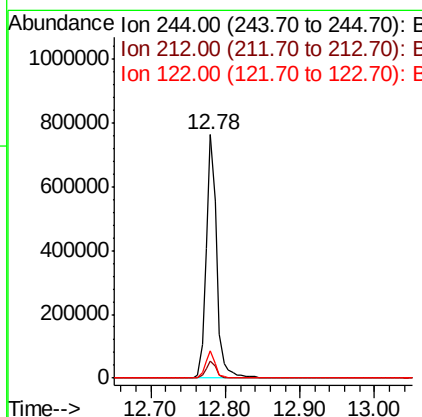
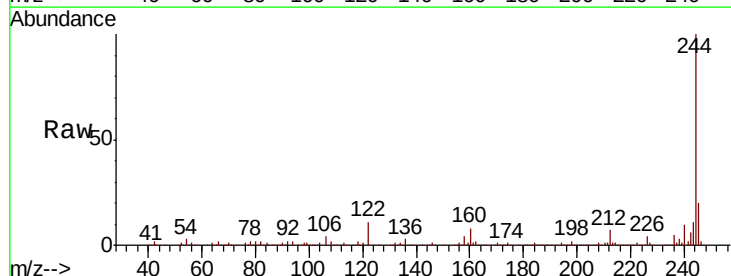
Instrument :
 BNA_F
 ClientSampleId :
 FL-PIT-3

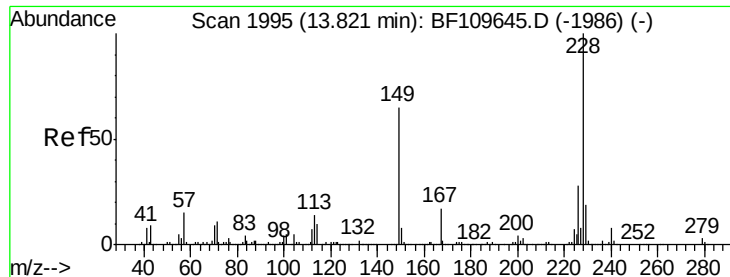
Tgt Ion: 202 Resp: 82674
 Ion Ratio Lower Upper
 202 100
 200 21.8 17.8 26.6
 203 19.2 14.2 21.4



#78
 Terphenyl-d14
 Concen: 70.112 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF109711.D
 Acq: 9 Oct 2018 22:47

Tgt Ion: 244 Resp: 749470
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 11.4 8.7 13.1

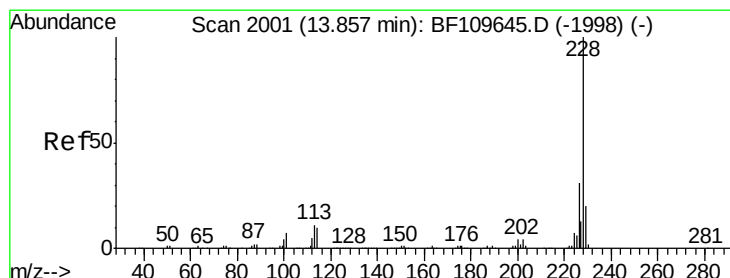
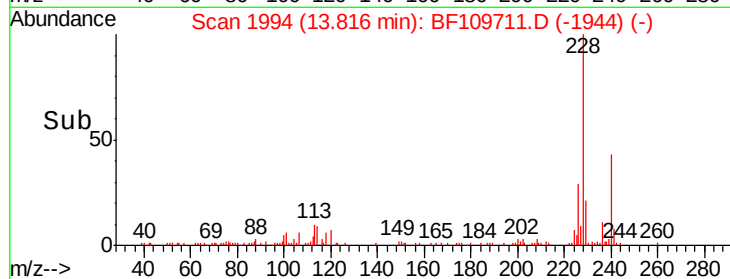
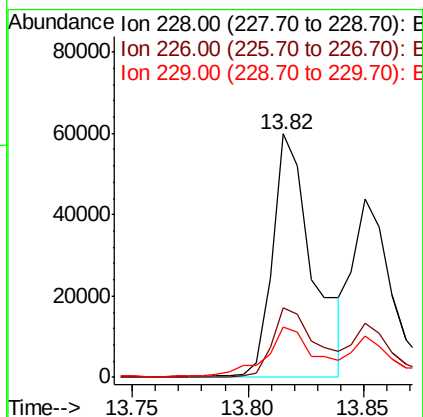
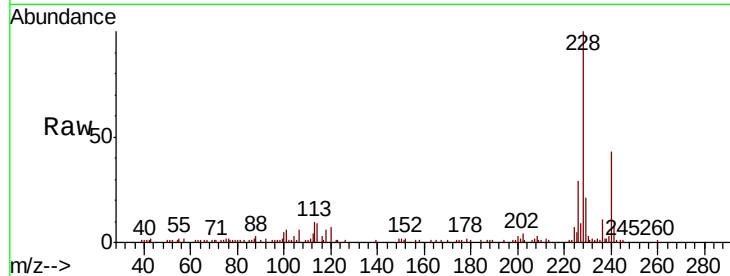




#80
Benzo(a)anthracene
Concen: 6.346 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF109711.D
Acq: 9 Oct 2018 22:47

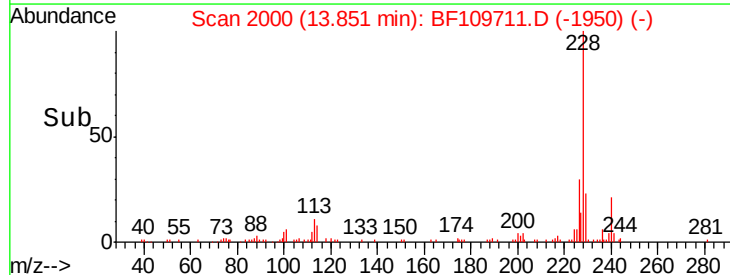
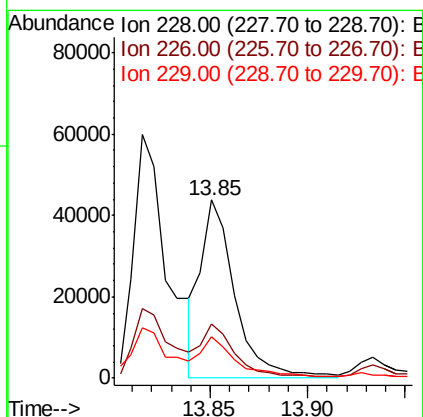
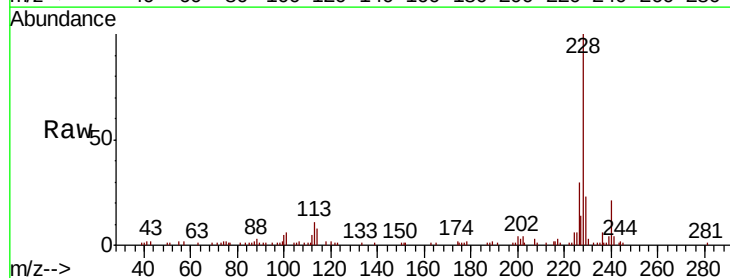
Instrument :
BNA_F
ClientSampleId :
FL-PIT-3

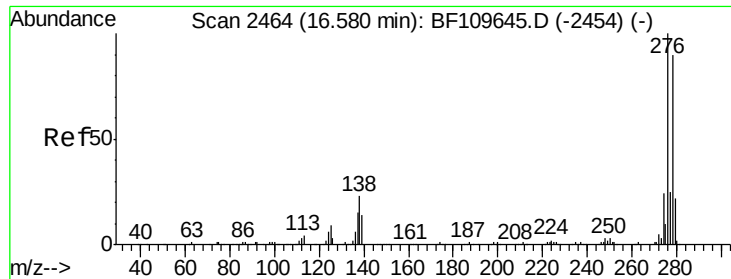
Tgt Ion:228 Resp: 72469
Ion Ratio Lower Upper
228 100
226 28.8 22.1 33.1
229 20.7 15.6 23.4



#82
Chrysene
Concen: 4.421 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF109711.D
Acq: 9 Oct 2018 22:47

Tgt Ion:228 Resp: 53033
Ion Ratio Lower Upper
228 100
226 30.3 24.7 37.1
229 23.5 15.9 23.9

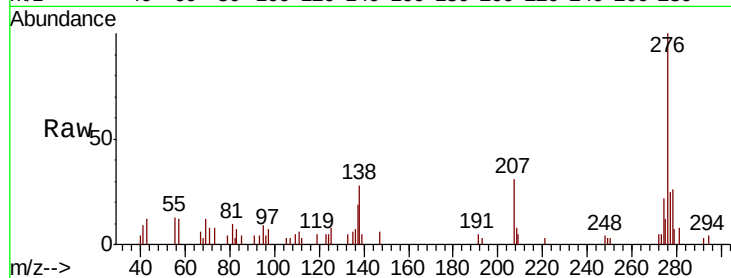




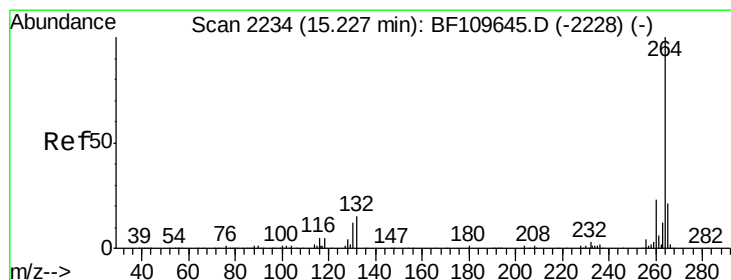
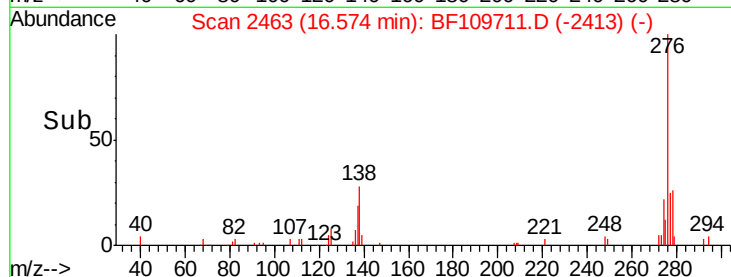
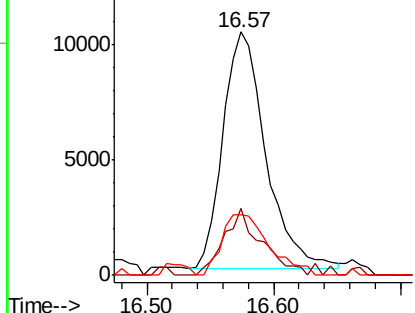
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.792 ng
 RT: 16.57 min Scan# 2463
 Delta R.T. -0.01 min
 Lab File: BF109711.D
 Acq: 9 Oct 2018 22:47

Instrument :
 BNA_F
 ClientSampleId :
 FL-PIT-3

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.9	18.5	27.7
277	28.6	20.0	30.0

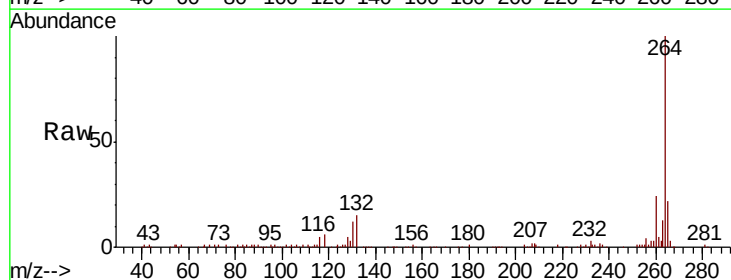


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

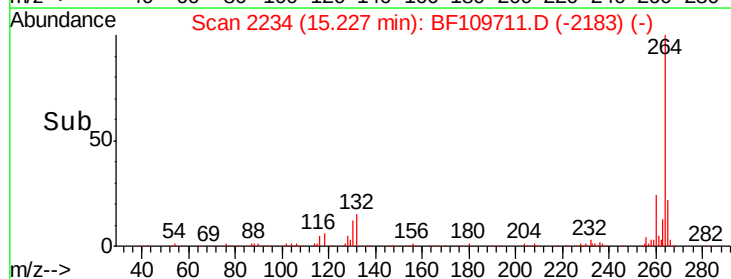
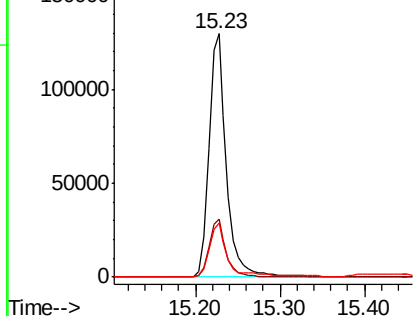


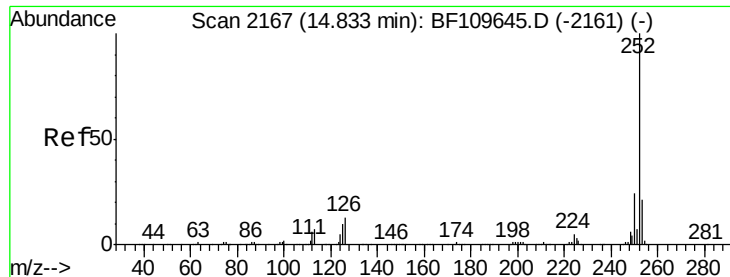
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2234
 Delta R.T. 0.00 min
 Lab File: BF109711.D
 Acq: 9 Oct 2018 22:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	22.1	16.7	25.1



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

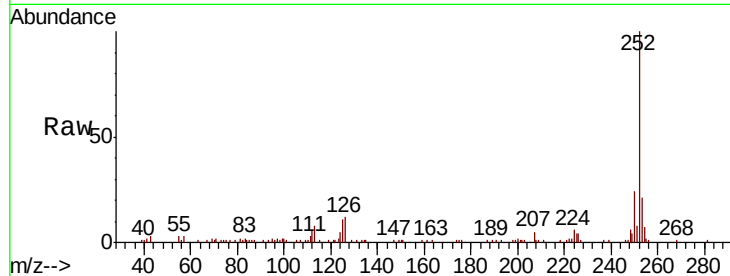




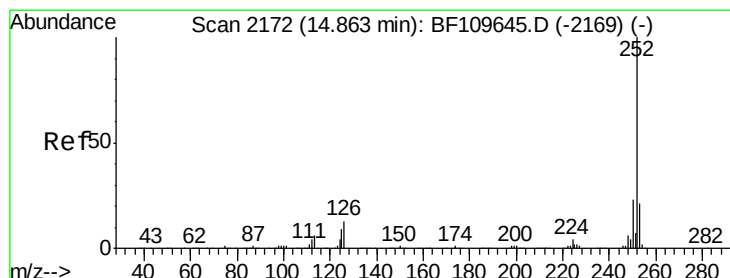
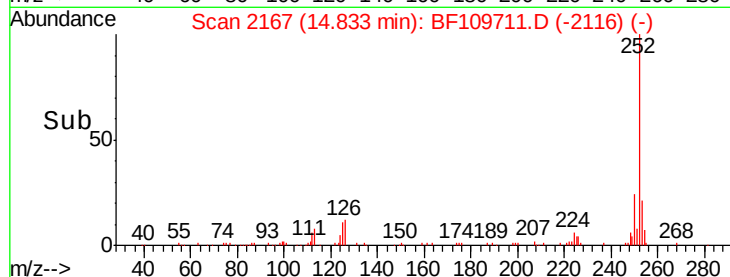
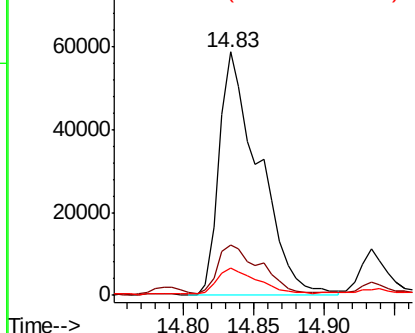
#87
Benzo(b)fluoranthene
Concen: 11.201 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BF109711.D
Acq: 9 Oct 2018 22:47

Instrument :
BNA_F
ClientSampleId :
FL-PIT-3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.2	25.8
125	11.1	8.2	12.4

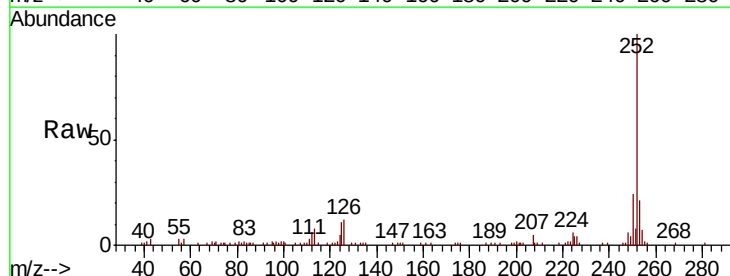


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

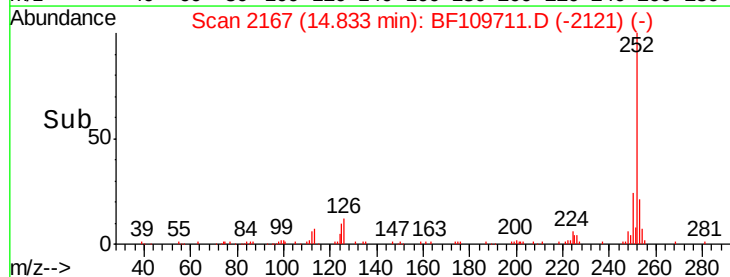
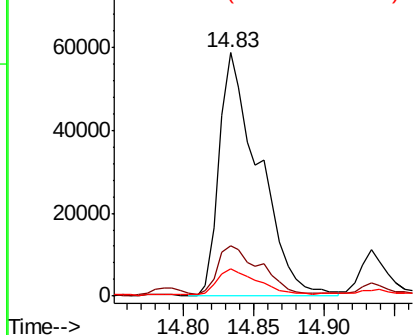


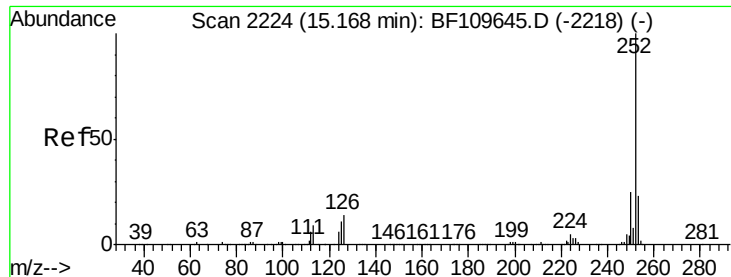
#88
Benzo(k)fluoranthene
Concen: 11.148 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.03 min
Lab File: BF109711.D
Acq: 9 Oct 2018 22:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.2	25.8
125	11.1	7.4	11.0#



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: 5.344 ng

RT: 15.17 min Scan# 2224

Delta R.T. -0.00 min

Lab File: BF109711.D

Acq: 9 Oct 2018 22:47

Instrument :

BNA_F

ClientSampleId :

FL-PIT-3

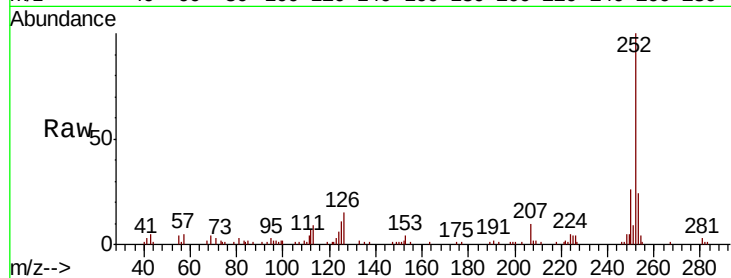
Tgt Ion:252 Resp: 50198

Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.4

125 11.4 9.0 13.6

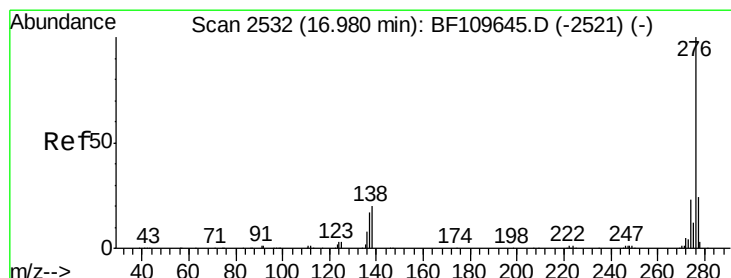
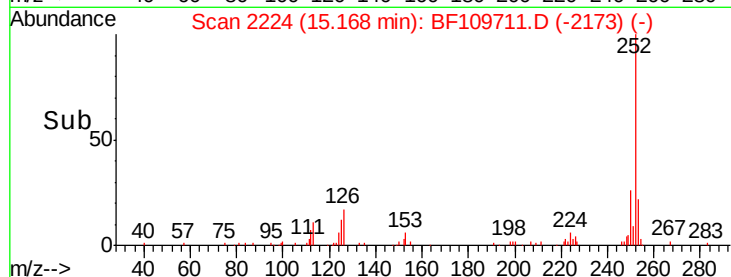
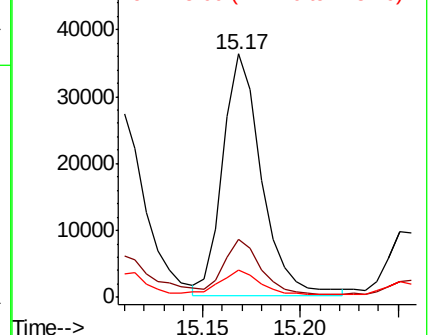


Abundance

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



#91

Benzo(g,h,i)perylene

Concen: 2.814 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.01 min

Lab File: BF109711.D

Acq: 9 Oct 2018 22:47

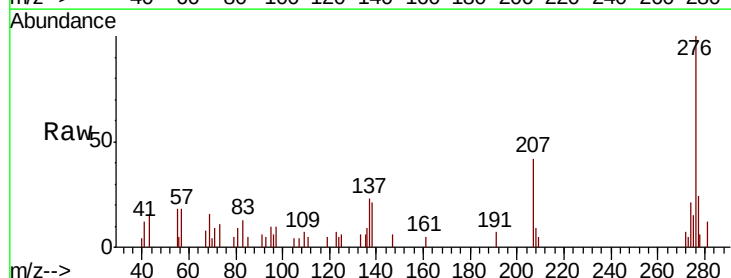
Tgt Ion:276 Resp: 21679

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 21.2 16.0 24.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

