

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
 Data File : BF109045.D
 Acq On : 17 Sep 2018 13:51
 Operator : JU/SJ
 Sample : J4773-01 4X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-A

Quant Time: Sep 17 14:29:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	125433	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	430434	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	187458	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	375351	20.00	ng	0.00
75) Chrysene-d12	13.85	240	392713	20.00	ng	0.00
86) Perylene-d12	15.26	264	352867	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	132393	17.53	ng	0.00
7) Phenol-d6	6.34	99	162012	16.64	ng	-0.02
23) Nitrobenzene-d5	7.27	82	93524	12.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	32821	16.13	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	157968	13.20	ng	0.00
78) Terphenyl-d14	12.81	244	179722	10.85	ng	0.00

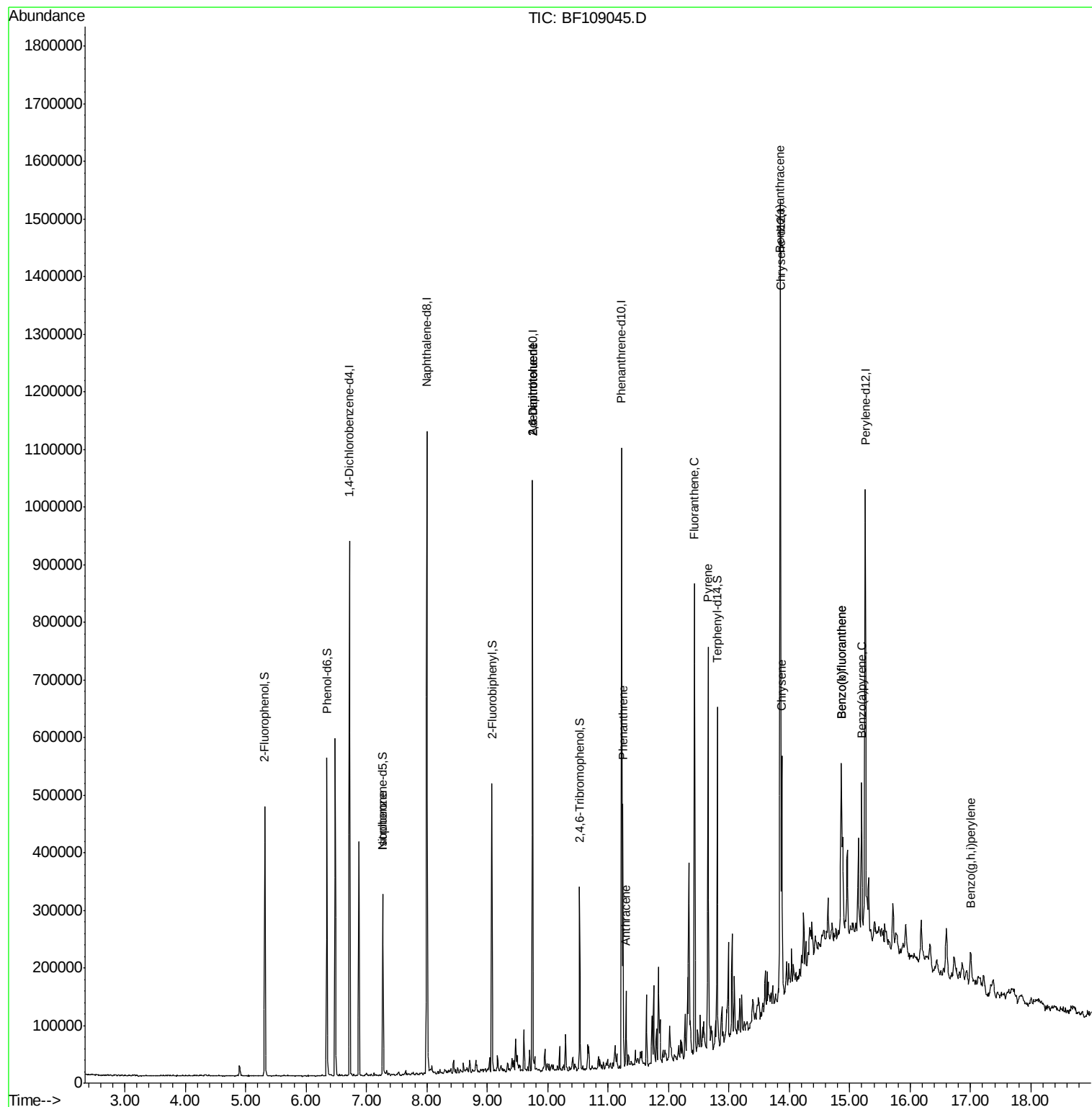
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.27	82	93523	7.090	ng	# 64
50) 2,6-Dinitrotoluene	9.75	165	24227	8.154	ng	# 26
56) 2,4-Dinitrotoluene	9.75	165	24227	6.235	ng	# 23
70) Phenanthrene	11.25	178	150167	8.161	ng	99
71) Anthracene	11.30	178	45994	2.466	ng	97
74) Fluoranthene	12.43	202	304784	15.691	ng	99
77) Pyrene	12.66	202	271116	9.294	ng	99
80) Benzo(a)anthracene	13.84	228	181036	7.614	ng	95
82) Chrysene	13.88	228	146390	6.154	ng	98
87) Benzo(b)fluoranthene	14.86	252	217489	11.141	ng	96
88) Benzo(k)fluoranthene	14.86	252	217489	11.928	ng	99
89) Benzo(a)pyrene	15.19	252	106943	6.169	ng	99
91) Benzo(a,h,i)perylene	17.01	276	41888	2.877	ng	# 90

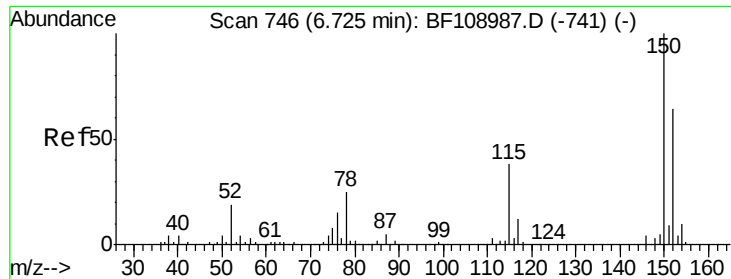
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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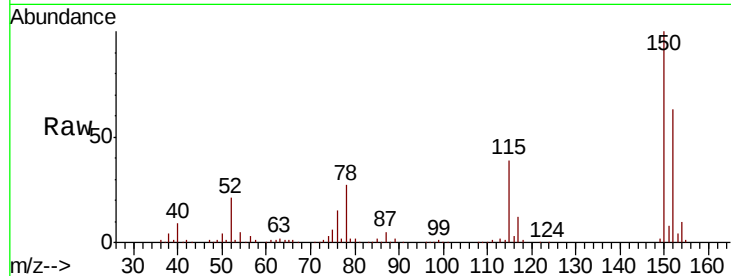


#1

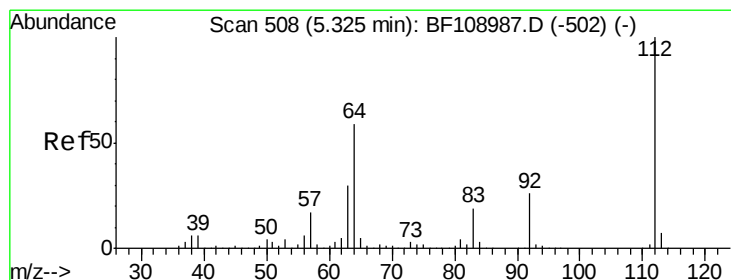
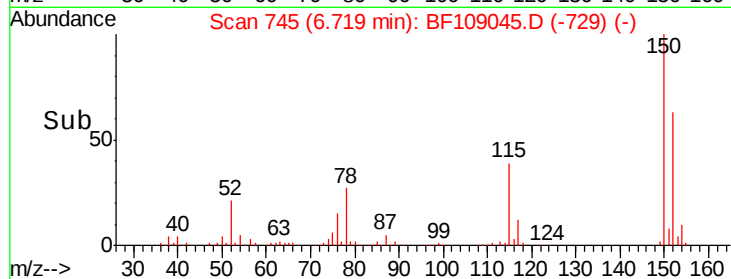
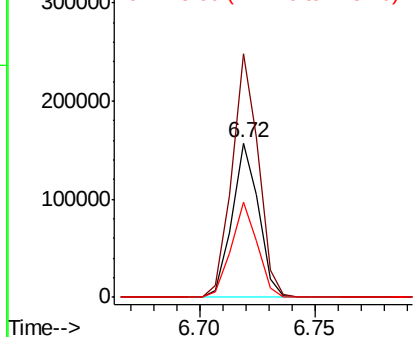
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-A

Tot Ion:152 Resp: 125433
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 61.6 50.1 75.1



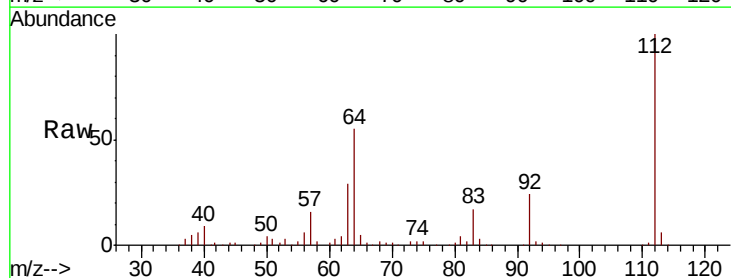
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



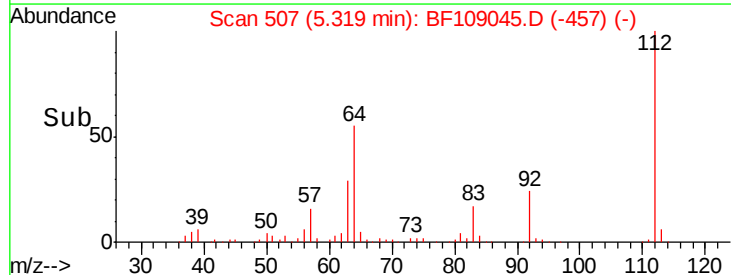
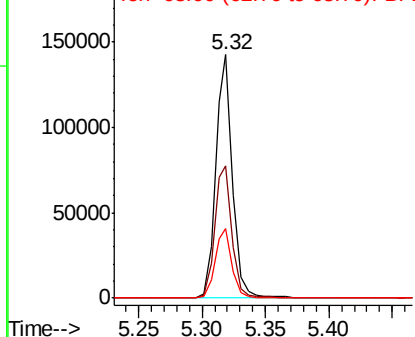
#5

2-Fluorophenol
Concen: 17.530 ng
RT: 5.32 min Scan# 507
Delta R.T. -0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Tgt Ion:112 Resp: 132393
Ion Ratio Lower Upper
112 100
64 54.5 47.9 71.9
63 28.7 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: 16.637 ng

RT: 6.34 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF109045.D

Acq: 17 Sep 2018 13:51

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-A

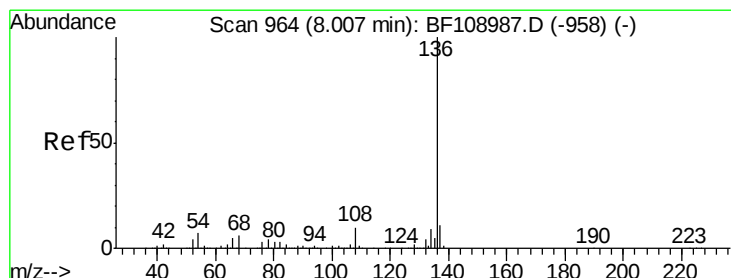
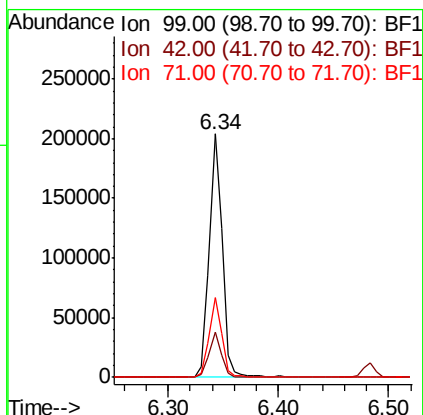
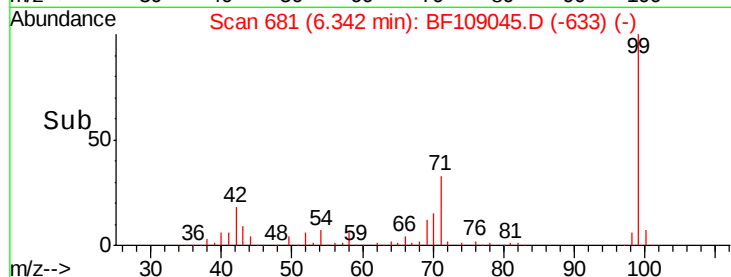
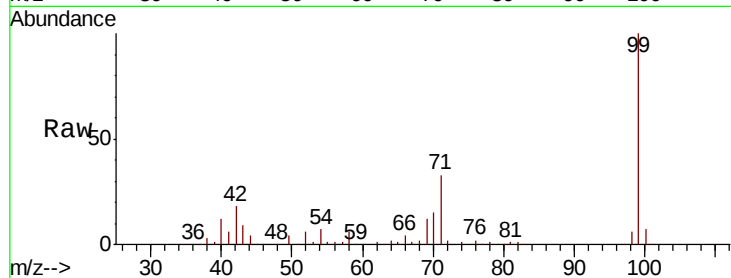
Tot Ion: 99 Resp: 162012

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

71 32.8 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF109045.D

Acq: 17 Sep 2018 13:51

Tgt Ion: 136 Resp: 430434

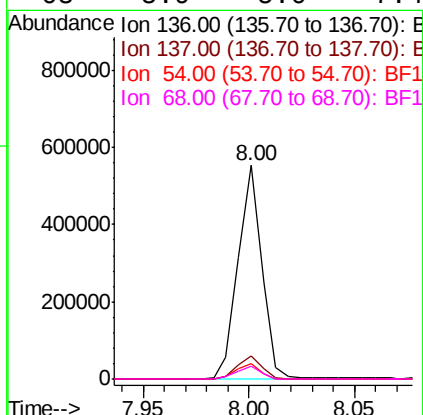
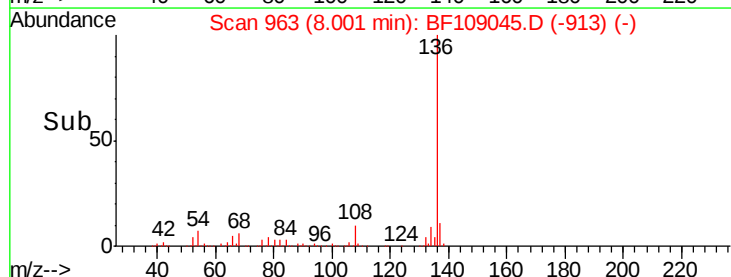
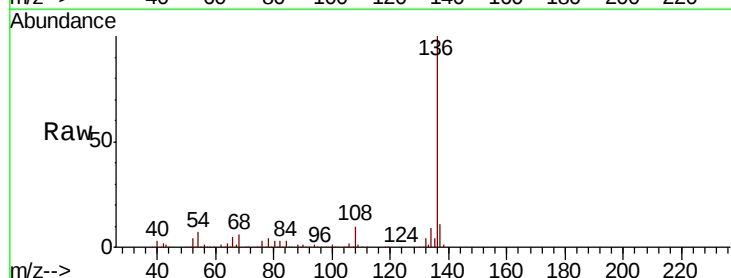
Ion Ratio Lower Upper

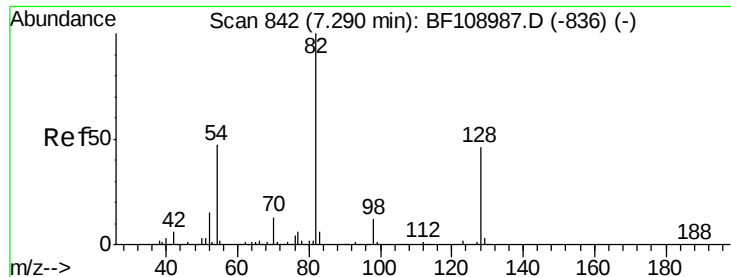
136 100

137 11.1 8.9 13.3

54 7.2 6.6 9.8

68 5.9 5.0 7.4

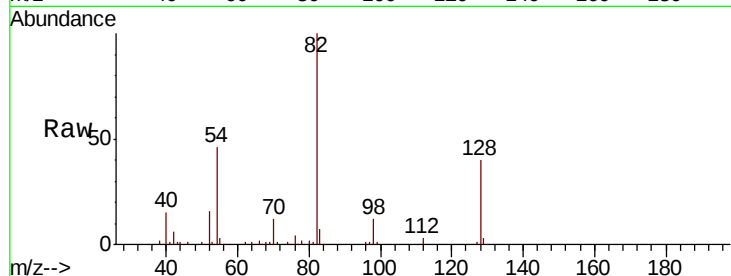




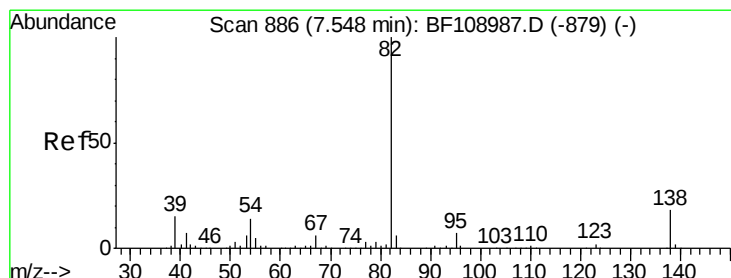
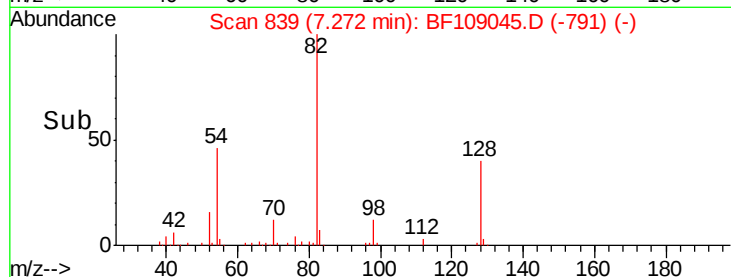
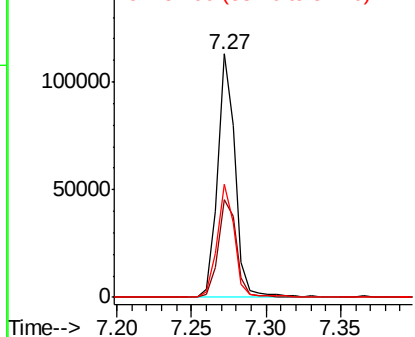
#23
Nitrobenzene-d5
Concen: 12.187 ng
RT: 7.27 min Scan# 839
Delta R.T. -0.02 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-A

Tot Ion	82	Resp	93524
Ion Ratio	Lower	Upper	
82	100		
128	40.1	36.1	54.1
54	46.4	41.4	62.2

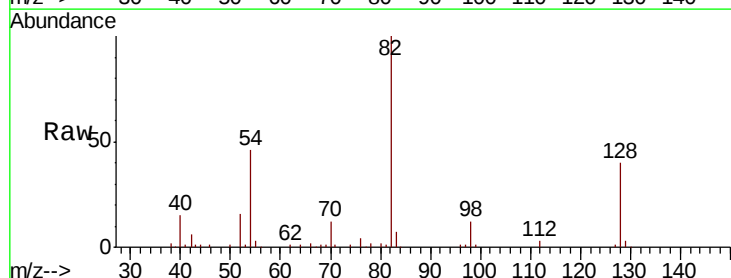


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

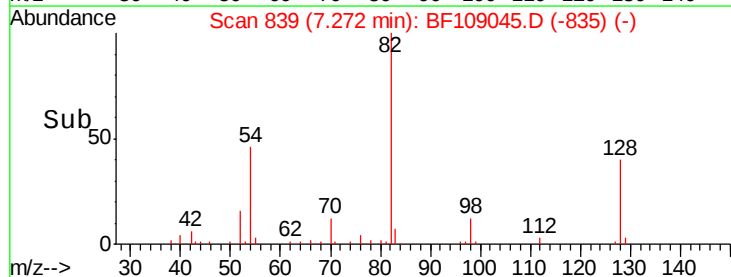
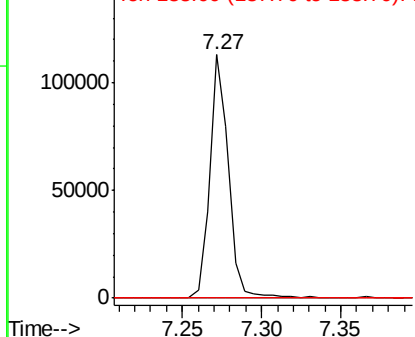


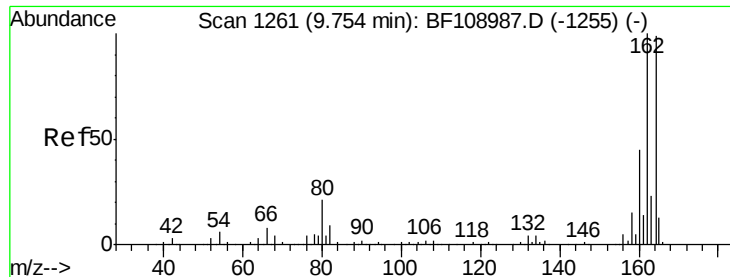
#25
Isophorone
Concen: 7.090 ng
RT: 7.27 min Scan# 839
Delta R.T. -0.28 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Tgt Ion	82	Resp	93523
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): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

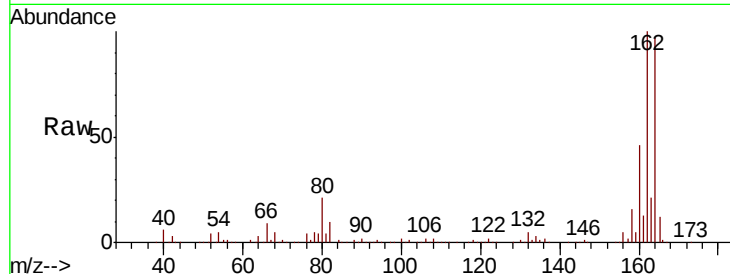




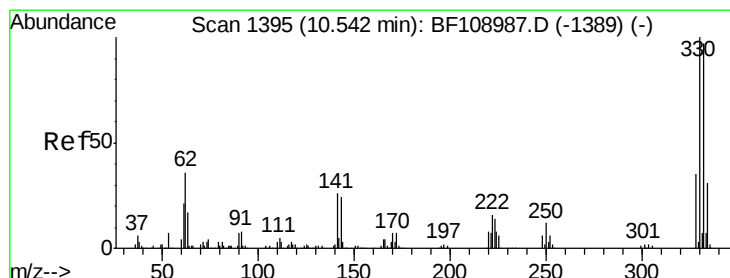
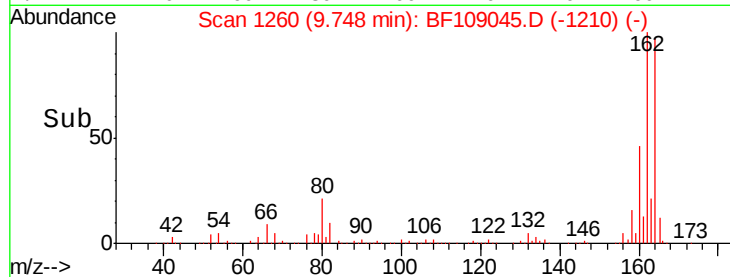
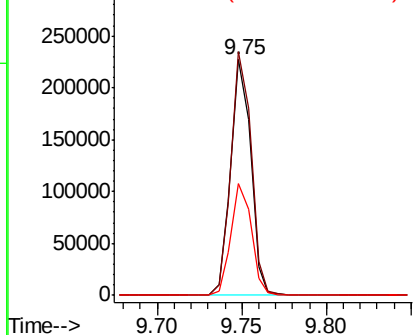
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BF109045.D
 Acq: 17 Sep 2018 13:51

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-A

Tot Ion:164 Resp: 187458
 Ion Ratio Lower Upper
 164 100
 162 103.3 86.1 129.1
 160 47.6 38.3 57.5

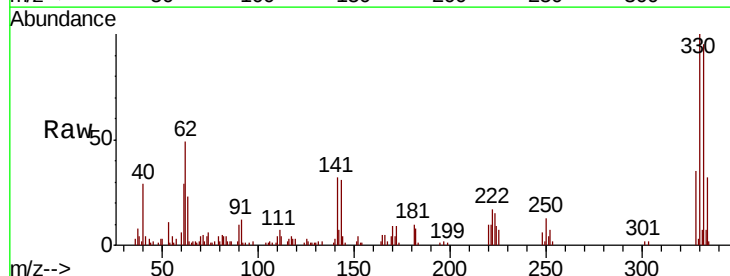


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

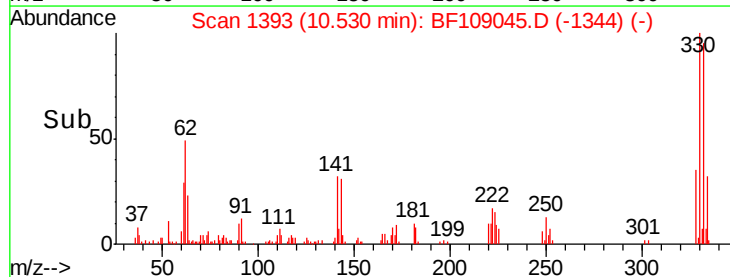
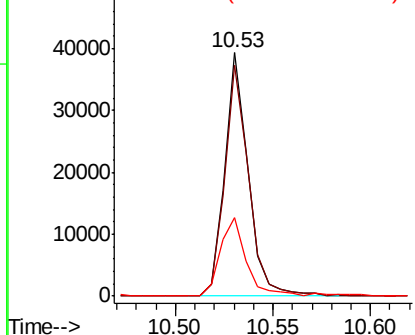


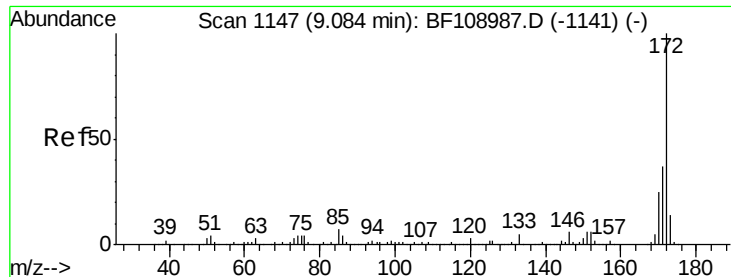
#41
 2,4,6-Tribromophenol
 Concen: 16.133 ng
 RT: 10.53 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF109045.D
 Acq: 17 Sep 2018 13:51

Tgt Ion:330 Resp: 32821
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 35.3 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

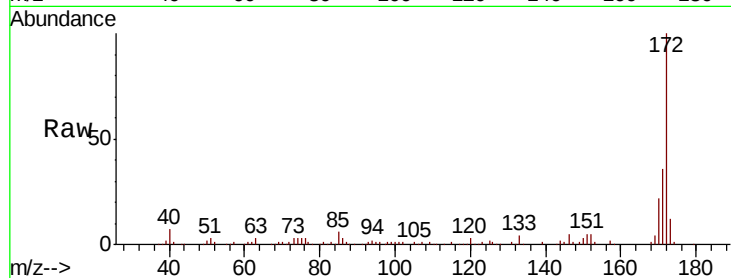




#44
2-Fluorobiphenyl
Concen: 13.203 ng
RT: 9.08 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	22.4	19.6	29.4

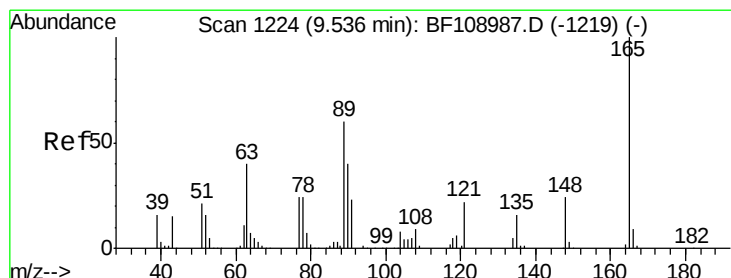
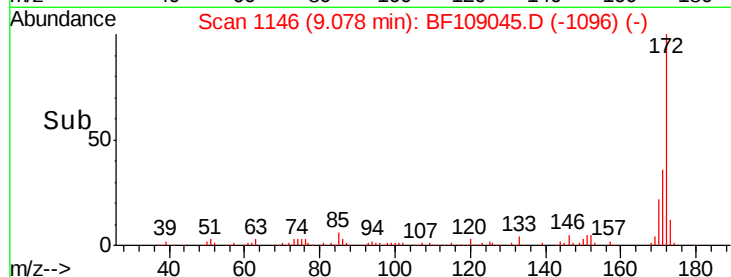
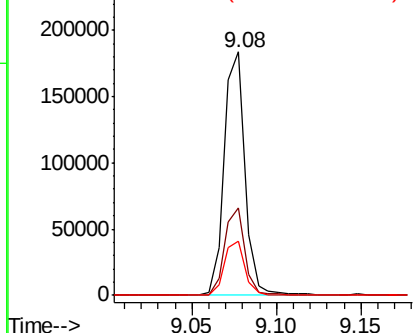


Abundance

Ion 172.00 (171.70 to 172.70): E

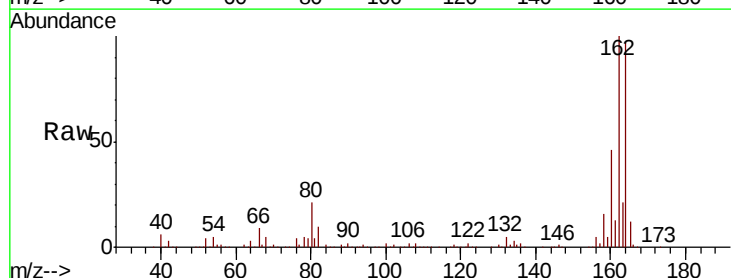
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
2,6-Dinitrotoluene
Concen: 8.154 ng
RT: 9.75 min Scan# 1260
Delta R.T. 0.21 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.7	44.0	66.0#

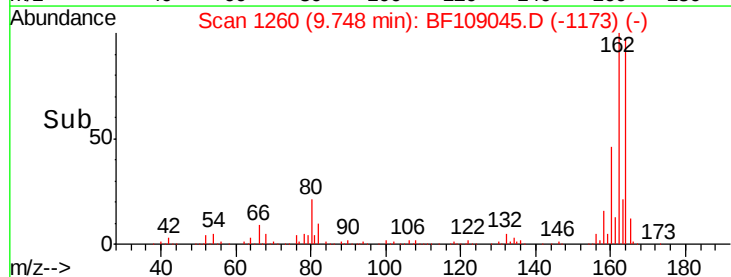
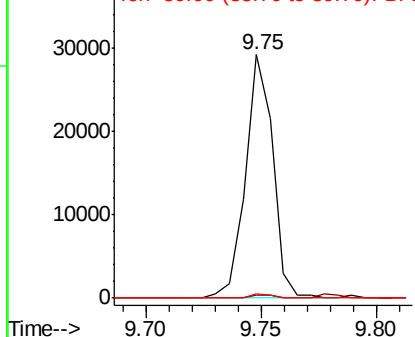


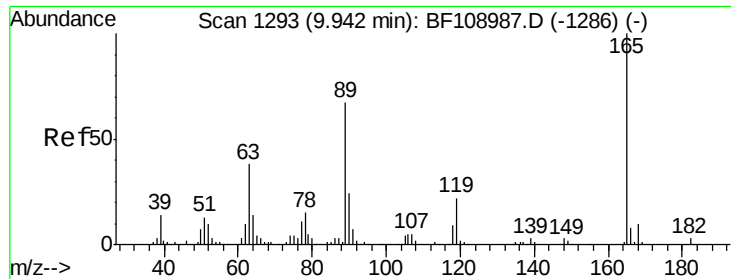
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

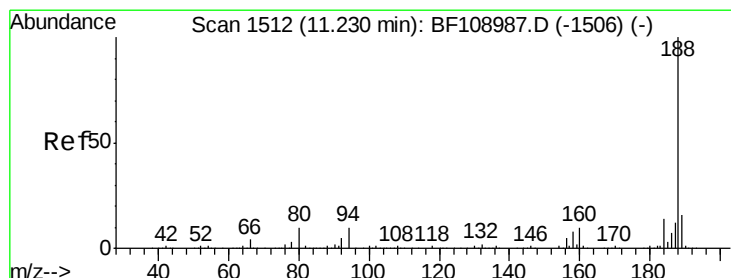
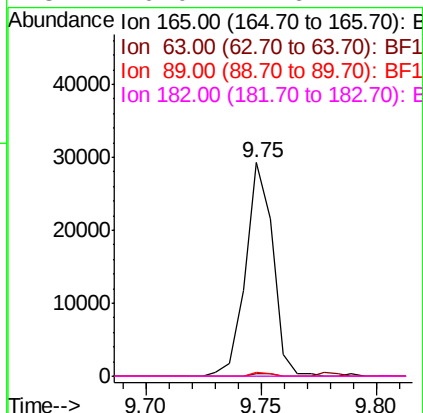
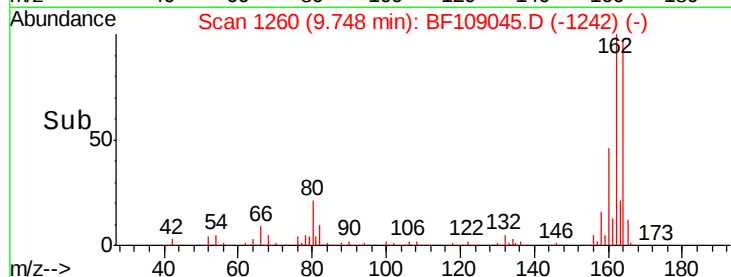
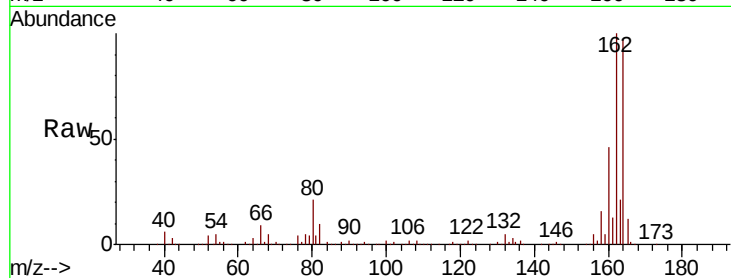




#56
 2,4-Dinitrotoluene
 Concen: 6.235 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. -0.19 min
 Lab File: BF109045.D
 Acq: 17 Sep 2018 13:51

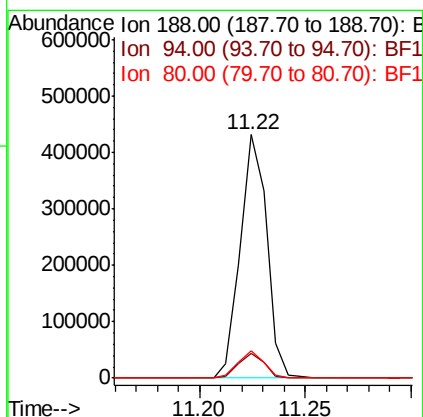
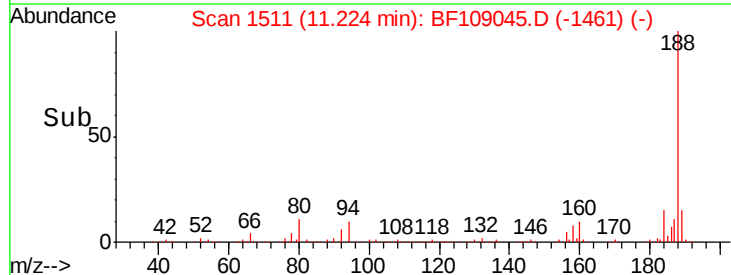
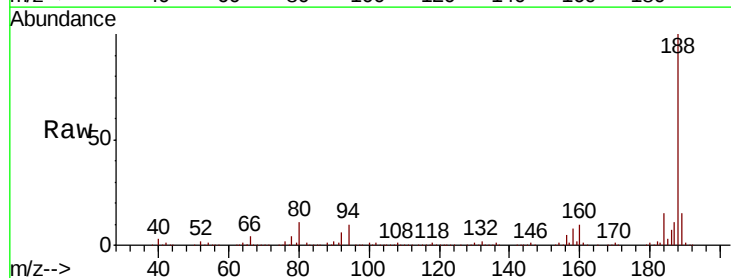
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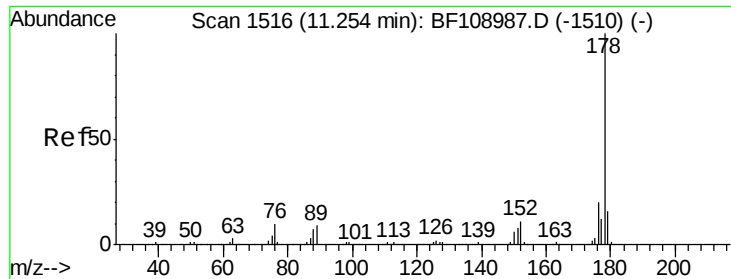
Tot Ion:	165	Resp:	24227
Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BF109045.D
 Acq: 17 Sep 2018 13:51

Tgt Ion:	188	Resp:	375351
Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	11.1	9.2	13.8

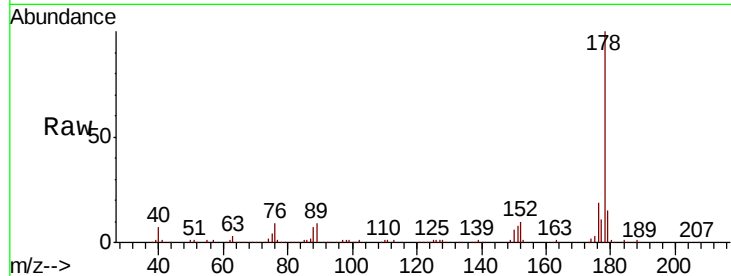




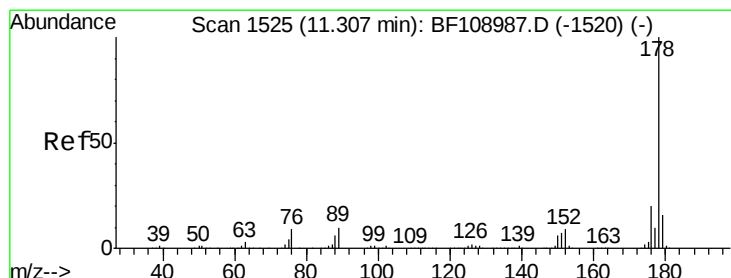
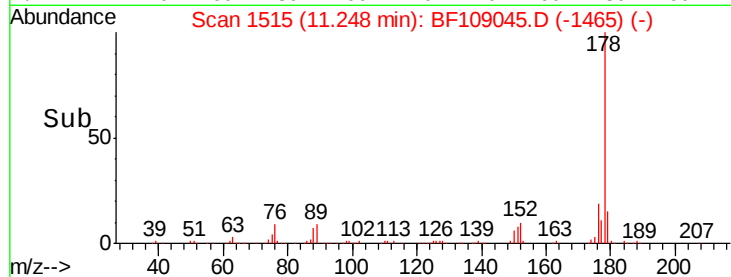
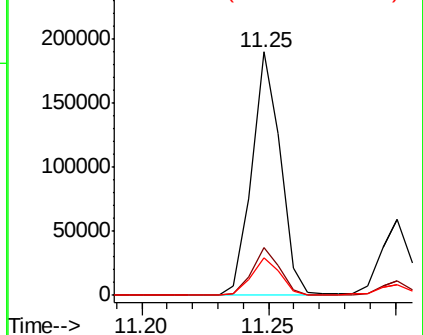
#70
Phenanthrene
Concen: 8.161 ng
RT: 11.25 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-A

Tot Ion:178 Resp: 150167
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.4 13.0 19.6

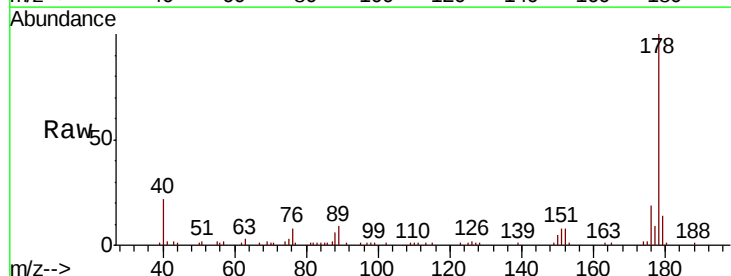


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

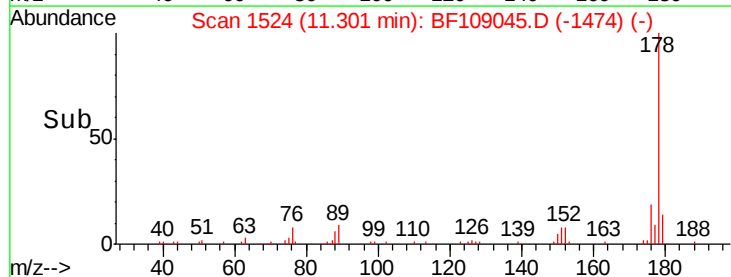
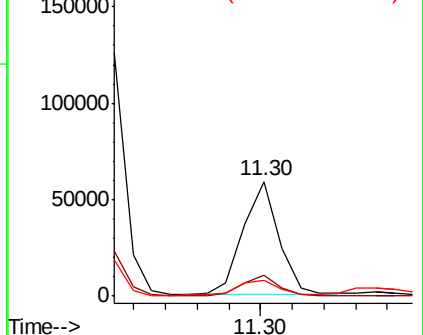


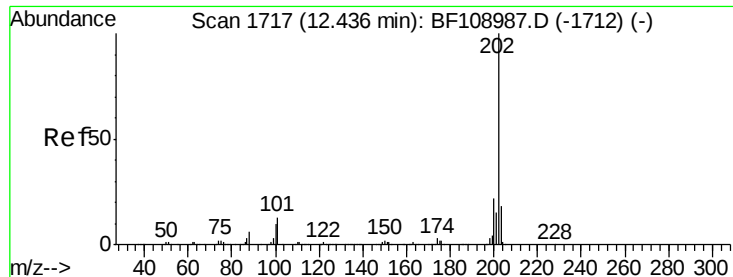
#71
Anthracene
Concen: 2.466 ng
RT: 11.30 min Scan# 1524
Delta R.T. -0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Tgt Ion:178 Resp: 45994
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 13.6 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: 15.691 ng

RT: 12.43 min Scan# 1716

Delta R.T. -0.01 min

Lab File: BF109045.D

Acq: 17 Sep 2018 13:51

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-A

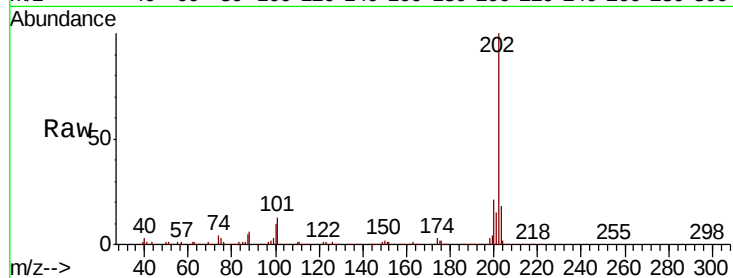
Tot Ion:202 Resp: 304784

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.1

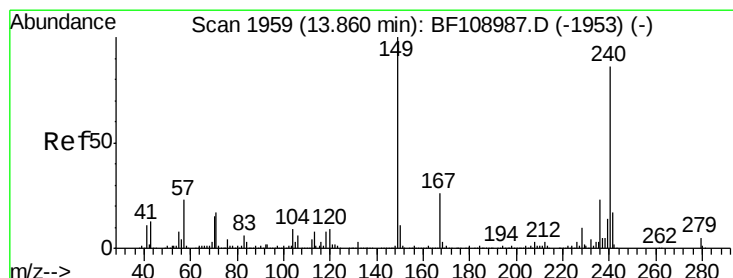
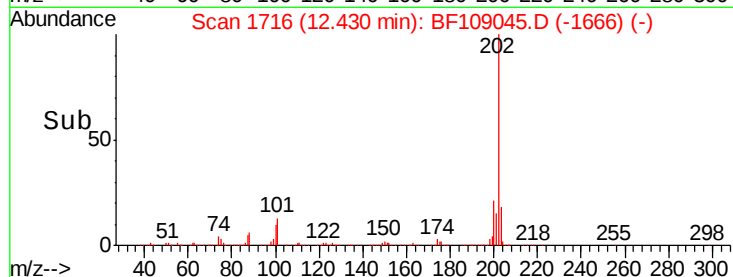
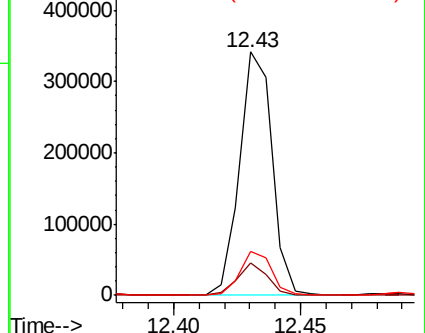
203 17.9 0.0 38.1



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: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109045.D

Acq: 17 Sep 2018 13:51

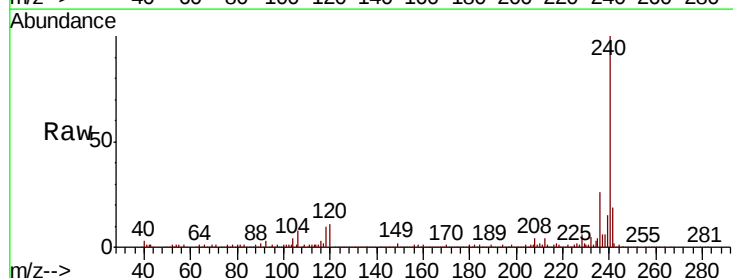
Tgt Ion:240 Resp: 392713

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

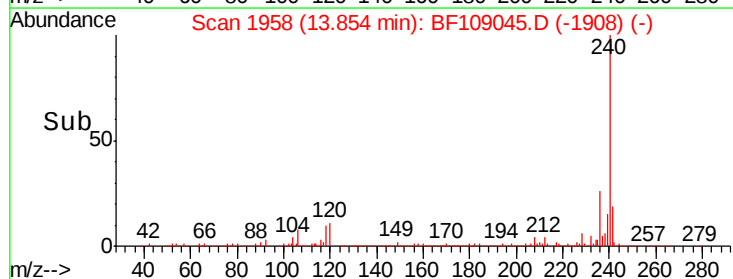
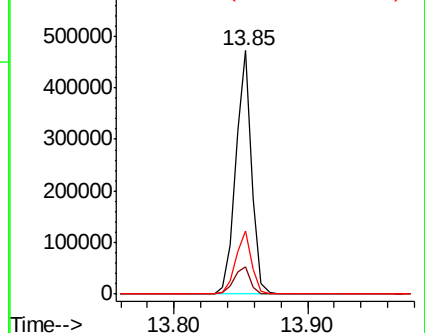
236 26.2 20.7 31.1

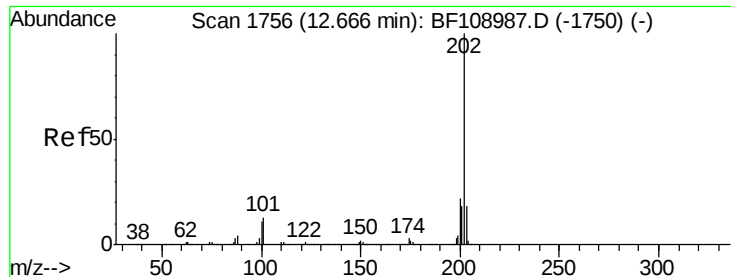


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

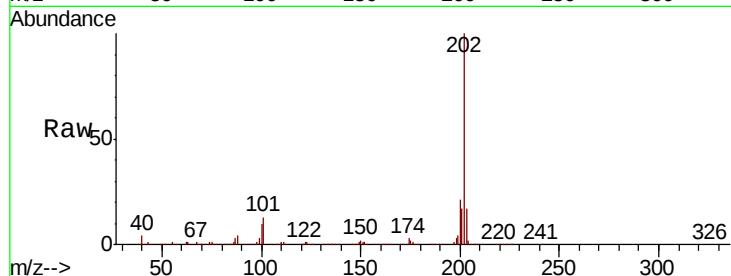




#77
Pvrene
Concen: 9.294 ng
RT: 12.66 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-A

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

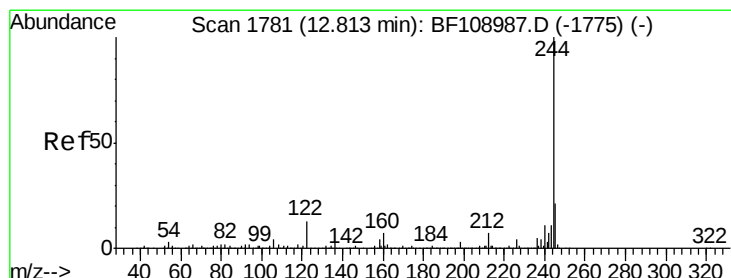
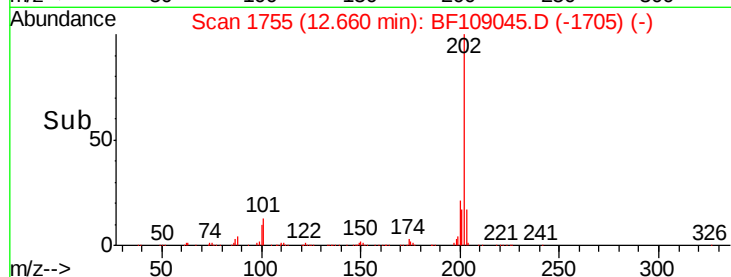
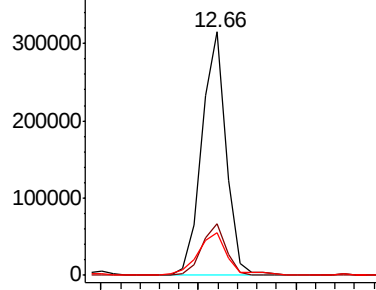


Abundance

Ion 202.00 (201.70 to 202.70): E

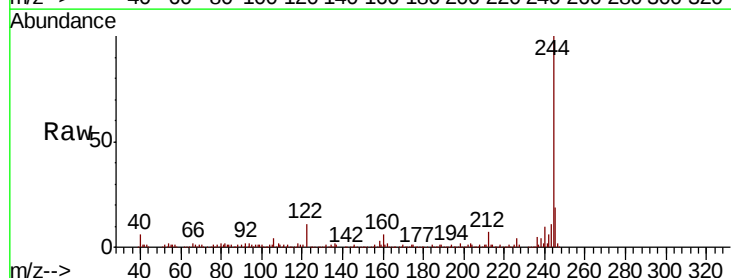
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 10.847 ng
RT: 12.81 min Scan# 1780
Delta R.T. -0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.8	11.0	16.4#

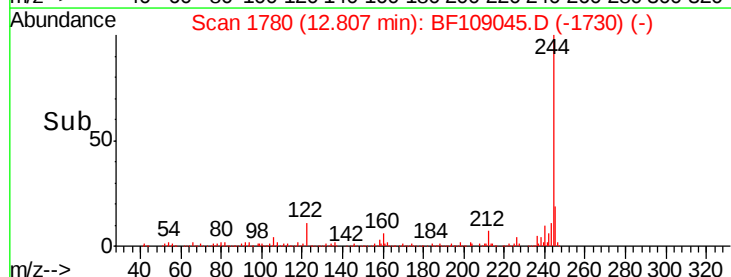
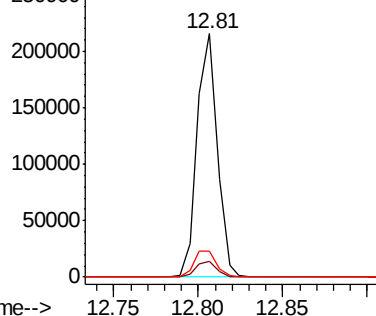


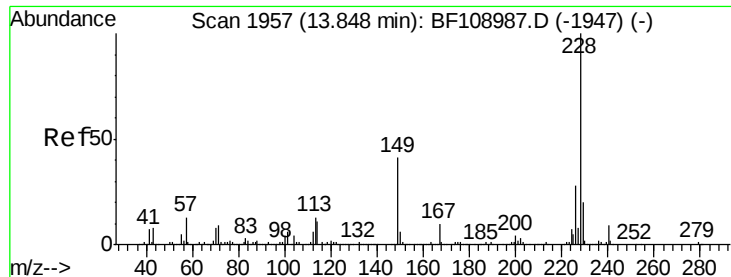
Abundance

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

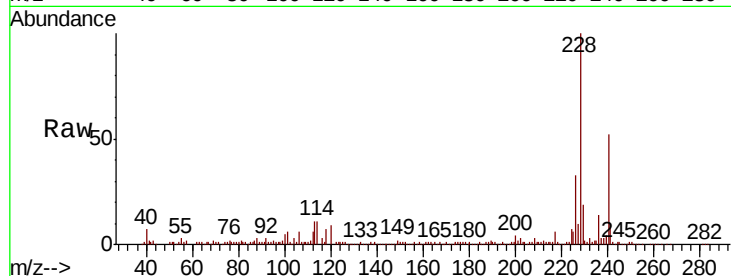




#80
Benzo(a)anthracene
Concen: 7.614 ng
RT: 13.84 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.8	22.6	33.8
229	19.5	15.8	23.6

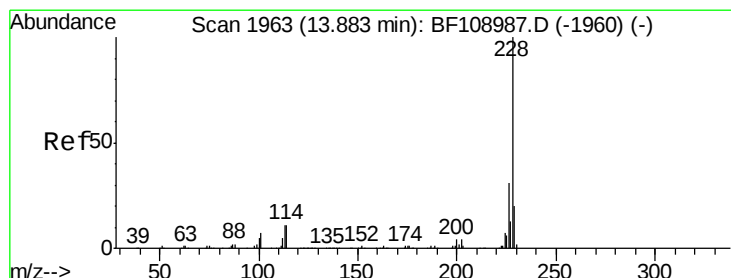
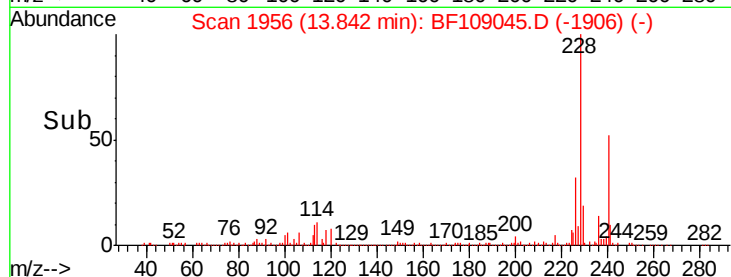
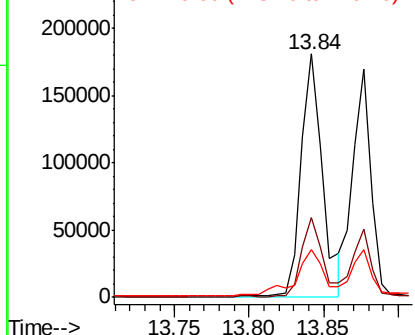


Abundance

Ion 228.00 (227.70 to 228.70): E

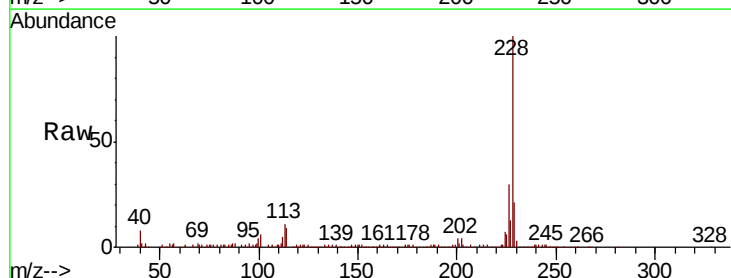
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
Chrysene
Concen: 6.154 ng
RT: 13.88 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	20.9	16.2	24.4

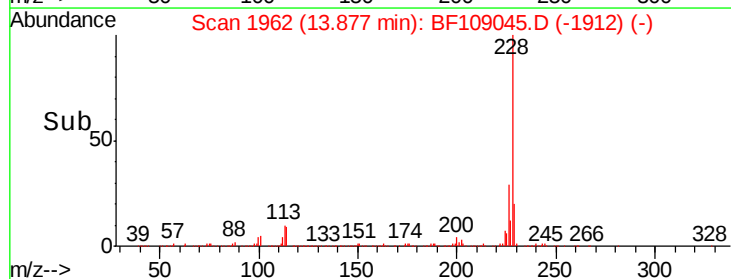
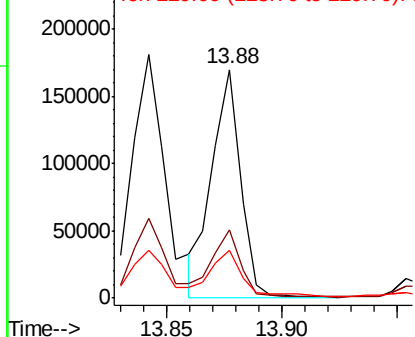


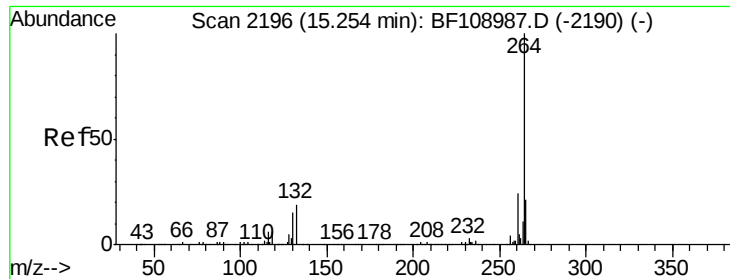
Abundance

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

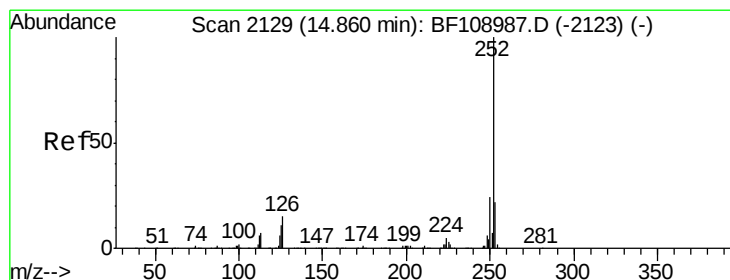
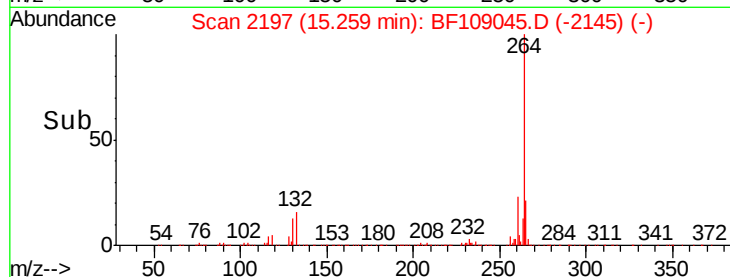
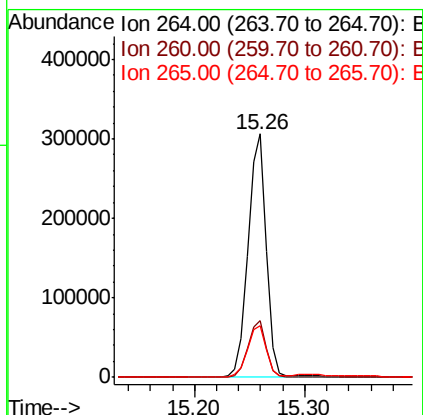
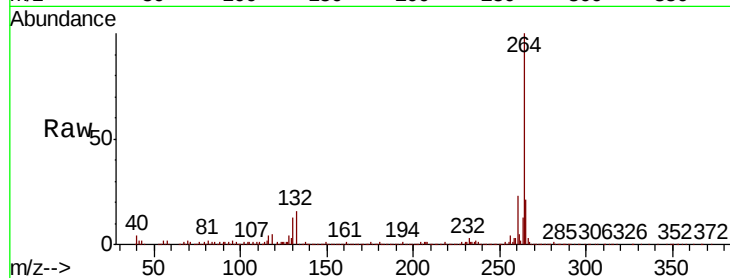




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

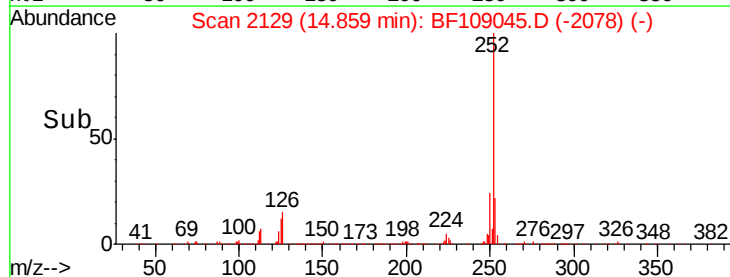
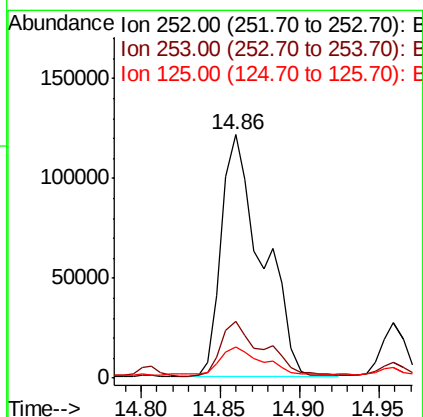
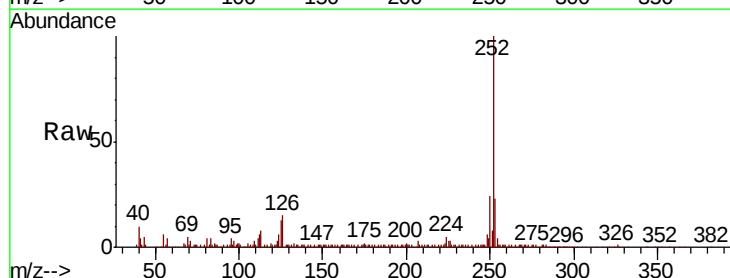
Instrument :
BNA_F
ClientSampleId :
CL-01-091418-A

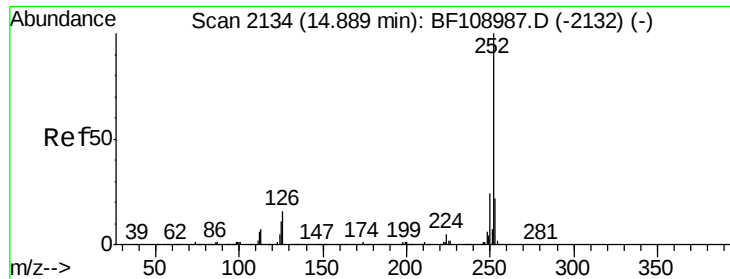
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.4	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 11.141 ng
RT: 14.86 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	12.6	9.0	13.6

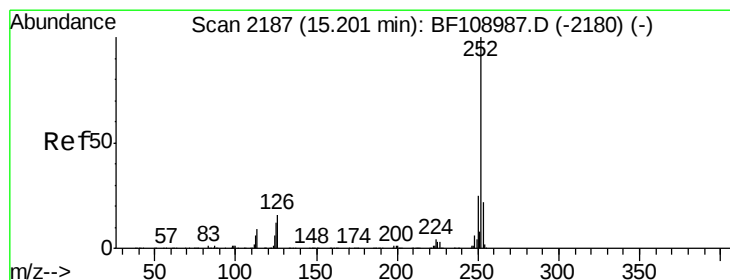
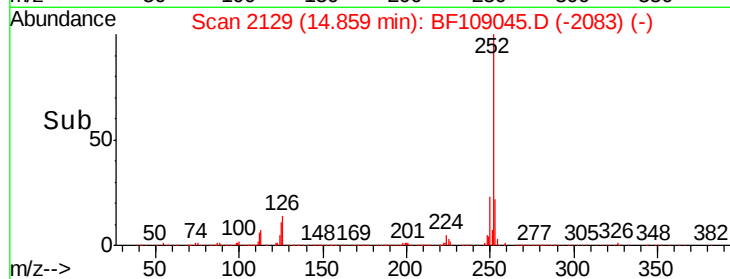
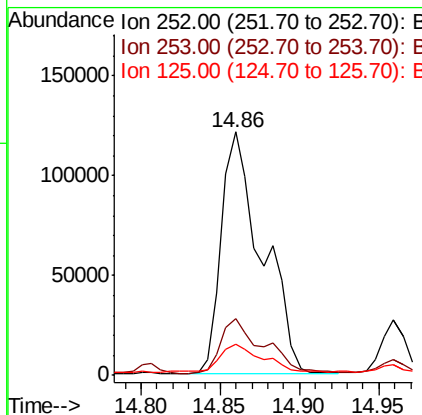
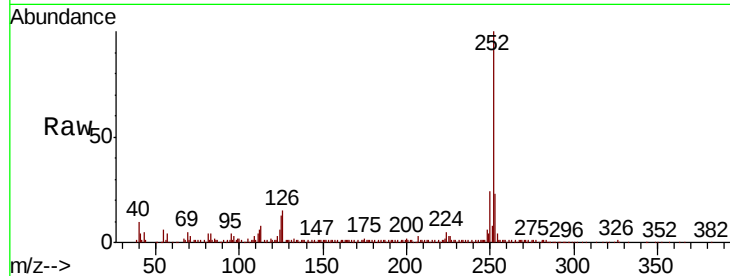




#88
Benzo(k)fluoranthene
Concen: 11.928 ng
RT: 14.86 min Scan# 2129
Delta R.T. -0.03 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

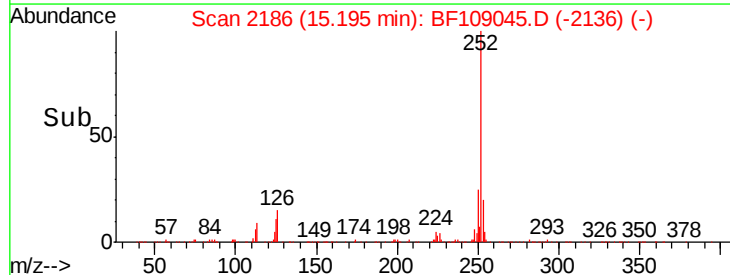
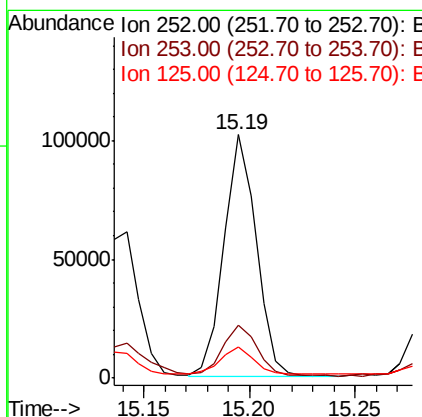
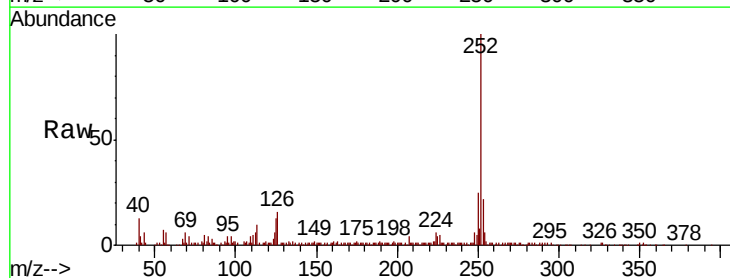
Instrument :
BNA_F
ClientSampleId :
CL-01-091418-A

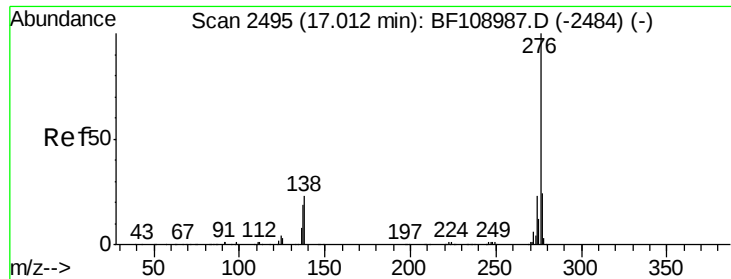
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	12.6	10.2	15.2



#89
Benzo(a)pyrene
Concen: 6.169 ng
RT: 15.19 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF109045.D
Acq: 17 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	12.9	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.877 ng
 RT: 17.01 min Scan# 2494
 Delta R.T. -0.01 min
 Lab File: BF109045.D
 Acq: 17 Sep 2018 13:51

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-A

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.8	17.9	26.9	
138	20.6	21.8	32.8	

