

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
 Data File : BF109290.D
 Acq On : 25 Sep 2018 17:18
 Operator : JU/SJ
 Sample : J4775-09 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 02:25:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	117815	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	458869	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	198899	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	321189	20.00	ng	0.00
75) Chrysene-d12	13.85	240	285212	20.00	ng	0.00
86) Perylene-d12	15.25	264	210568	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	106208	14.85	ng	0.00
7) Phenol-d6	6.34	99	139847	15.32	ng	-0.02
23) Nitrobenzene-d5	7.26	82	79735	10.26	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	24839	12.67	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	161161	12.22	ng	-0.01
78) Terphenyl-d14	12.80	244	131492	11.31	ng	0.00

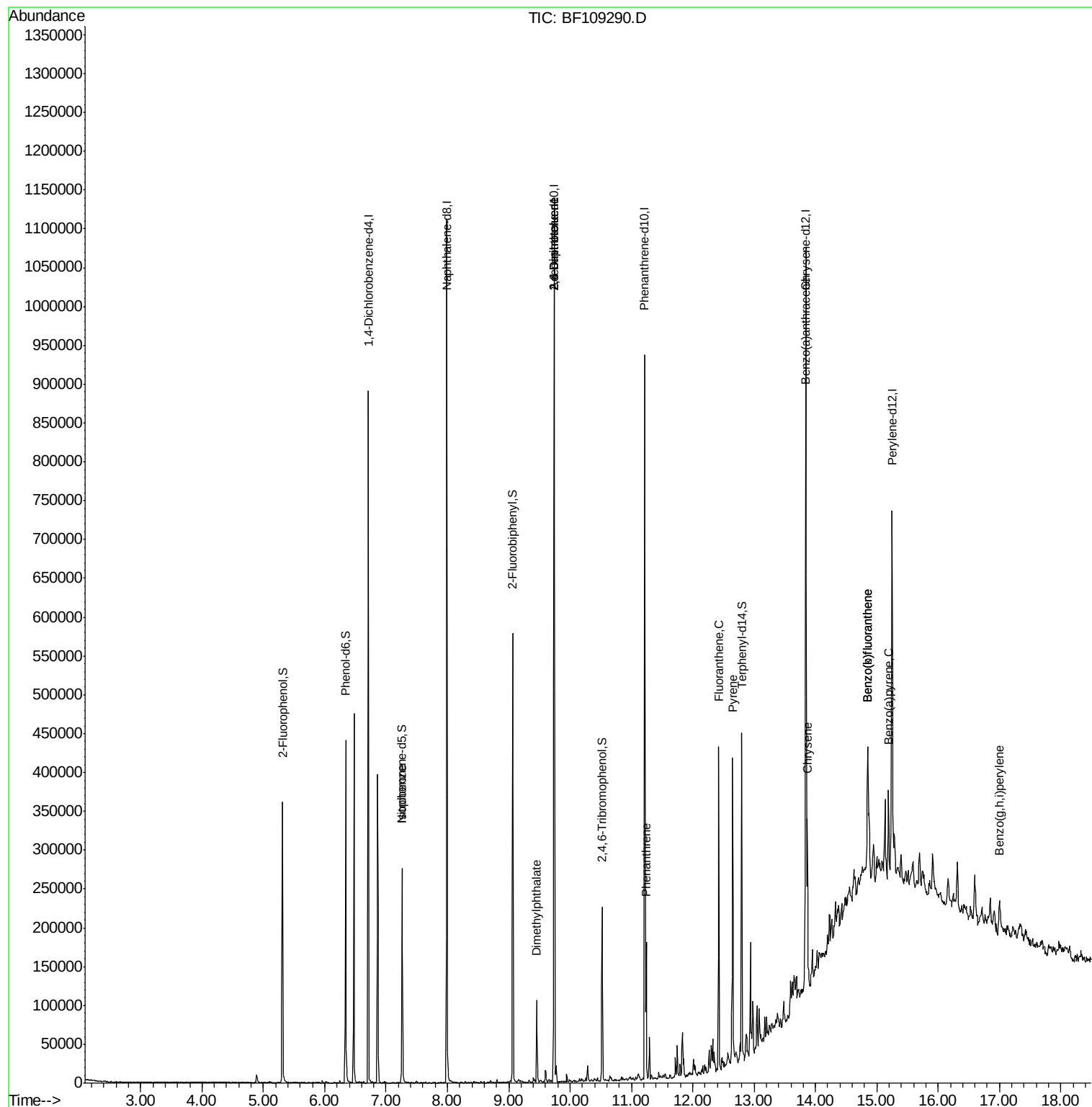
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.26	82	63975	4.570	ng	# 64
49) Dimethylphthalate	9.46	163	39427	2.725	ng	# 98
50) 2,6-Dinitrotoluene	9.74	165	25681	8.963	ng	# 26
56) 2,4-Dinitrotoluene	9.74	165	25681	7.084	ng	# 23
70) Phenanthrene	11.24	178	58522	3.649	ng	97
74) Fluoranthene	12.42	202	155087	9.049	ng	97
77) Pyrene	12.65	202	148628	7.271	ng	99
80) Benzo(a)anthracene	13.83	228	86924	5.060	ng	99
82) Chrysene	13.87	228	76344	4.484	ng	96
87) Benzo(b)fluoranthene	14.85	252	110202	9.524	ng	95
88) Benzo(k)fluoranthene	14.85	252	110202	10.037	ng	98
89) Benzo(a)pyrene	15.19	252	55884	5.360	ng	98
91) Benzo(a,h,i)perylene	17.00	276	29704	3.533	ng	# 90

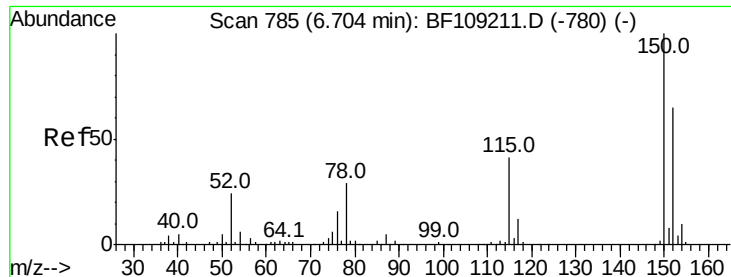
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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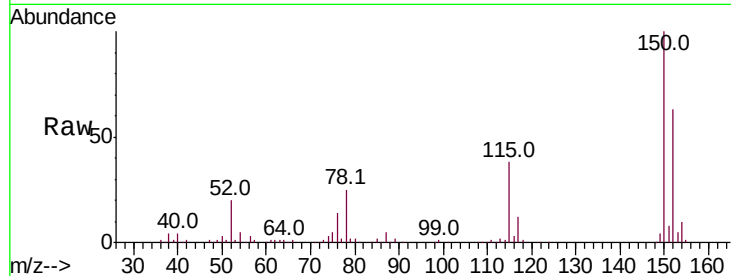


#1

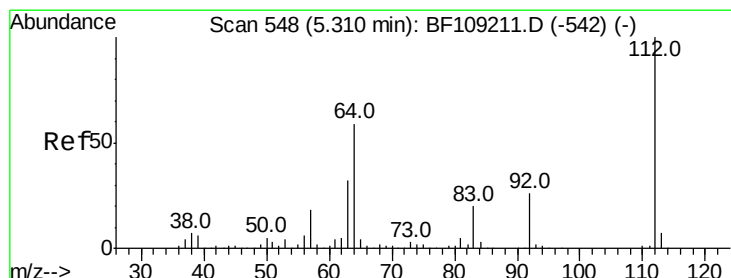
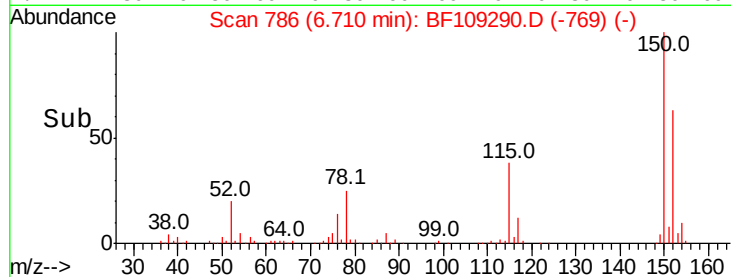
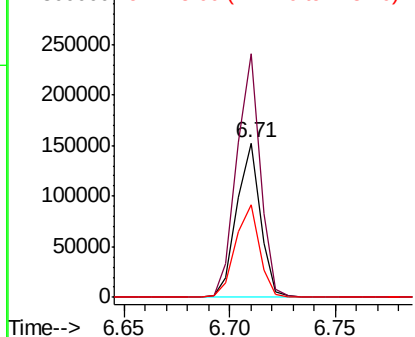
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109290.D
Acq: 25 Sep 2018 17:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117815
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 59.9 50.1 75.1



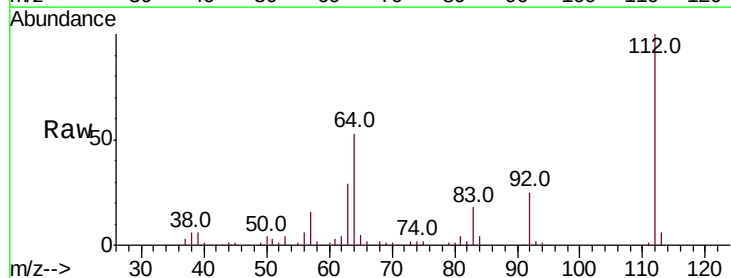
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



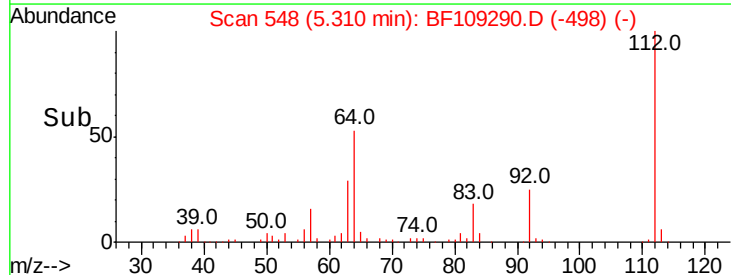
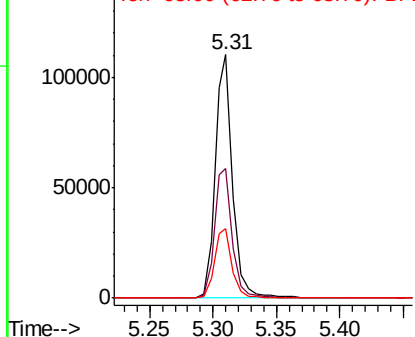
#5

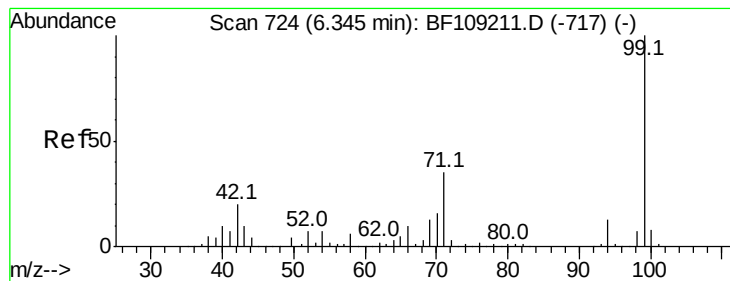
2-Fluorophenol
Concen: 14.848 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109290.D
Acq: 25 Sep 2018 17:18

Tgt Ion:112 Resp: 106208
Ion Ratio Lower Upper
112 100
64 53.2 47.9 71.9
63 28.6 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: 15.322 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109290.D

Acq: 25 Sep 2018 17:18

Instrument :

BNA_F

ClientSampleId :

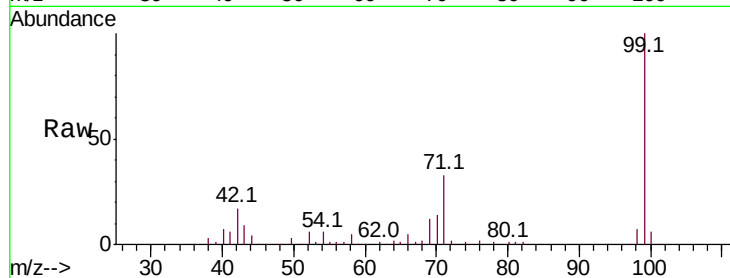
Tot Ion: 99 Resp: 139847

Ion Ratio Lower Upper

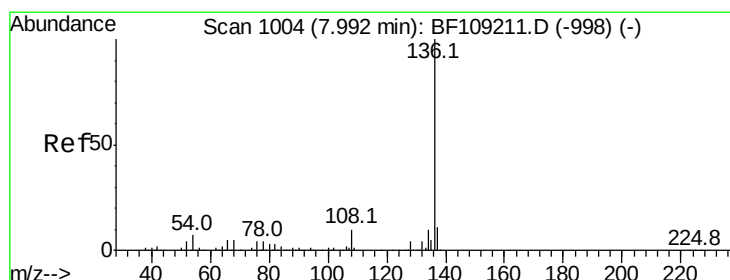
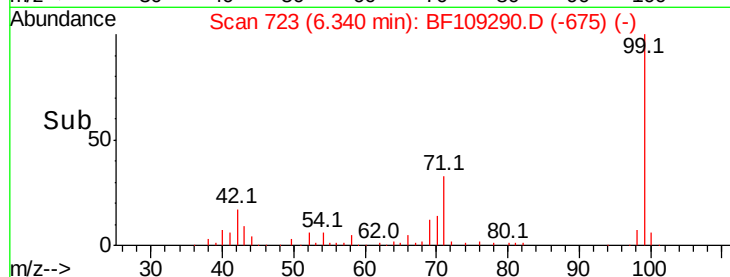
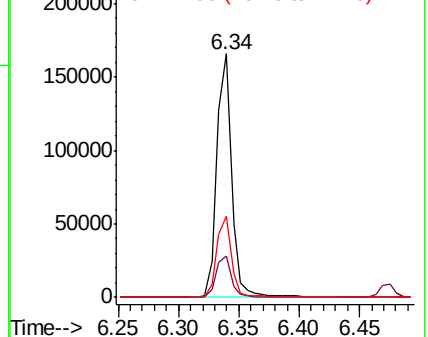
99 100

42 16.8 14.5 21.7

71 33.5 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BF109290.D

Acq: 25 Sep 2018 17:18

Tgt Ion: 136 Resp: 458869

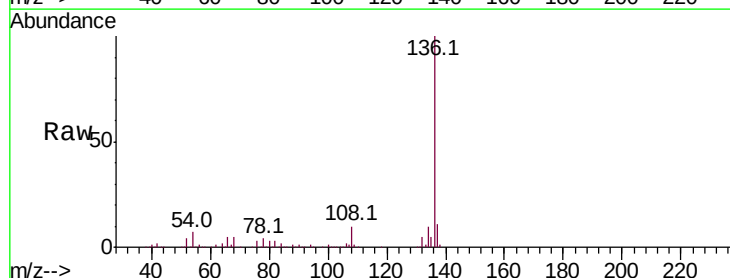
Ion Ratio Lower Upper

136 100

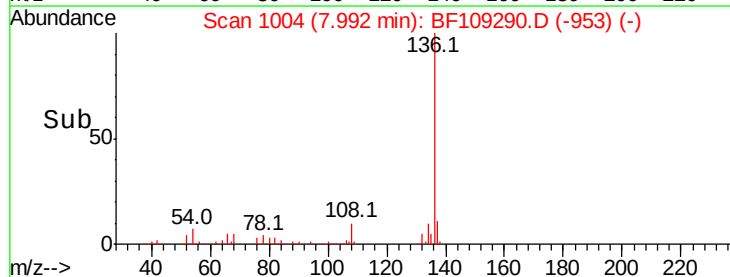
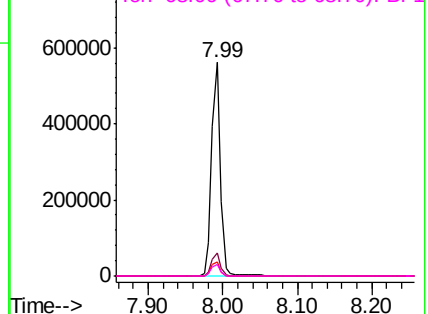
137 11.0 8.9 13.3

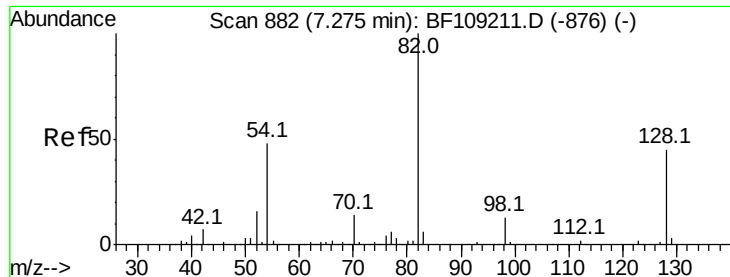
54 6.8 6.6 9.8

68 5.4 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): BF1
Ion 68.00 (67.70 to 68.70): BF1

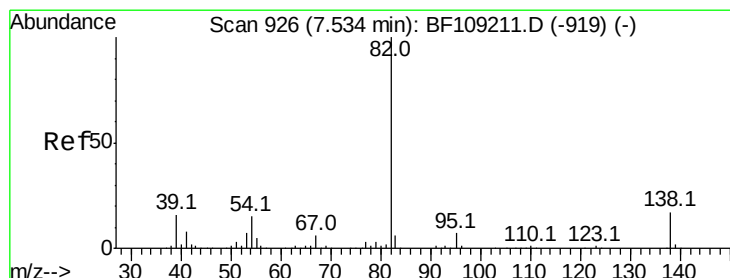
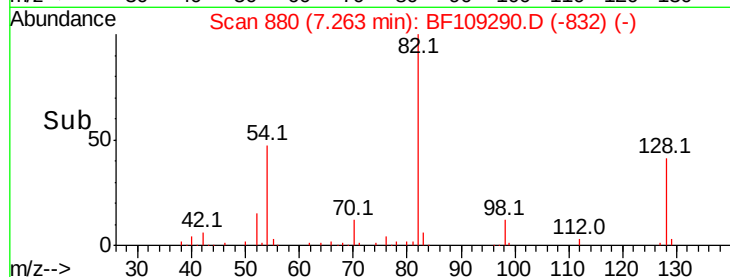
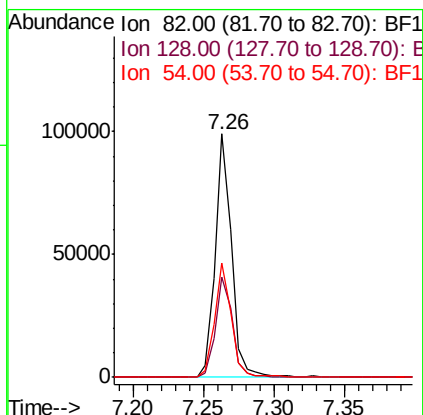
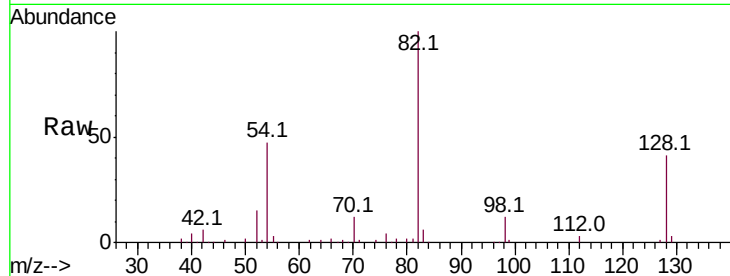




#23
 Nitrobenzene-d5
 Concen: 10.258 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF109290.D
 Acq: 25 Sep 2018 17:18

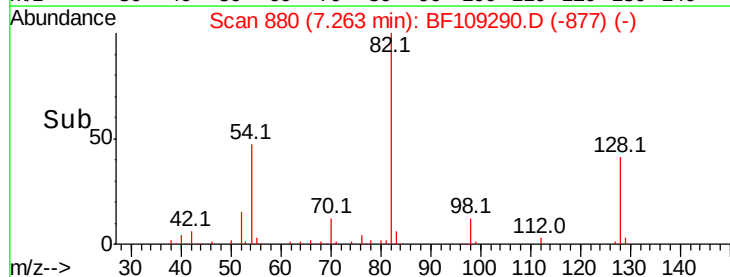
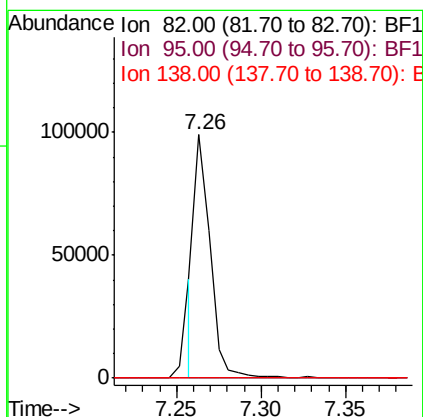
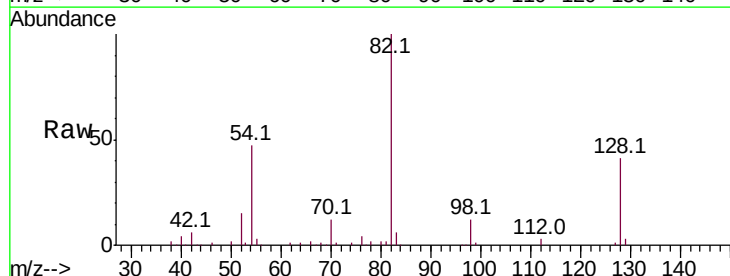
Instrument :
 BNA_F
 ClientSampled :

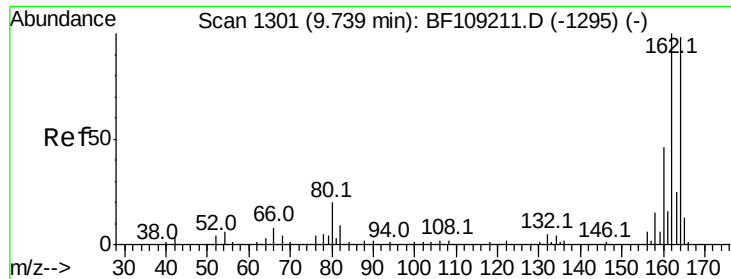
Tot Ion	82	Resp	79735
Ion Ratio	Lower	Upper	
82	100		
128	41.1	36.1	54.1
54	47.0	41.4	62.2



#25
 Isophorone
 Concen: 4.570 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.28 min
 Lab File: BF109290.D
 Acq: 25 Sep 2018 17:18

Tgt Ion	82	Resp	63975
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

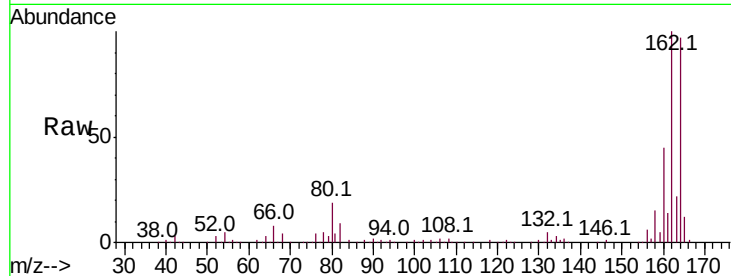




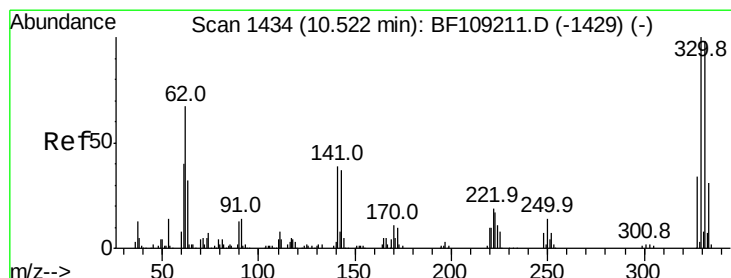
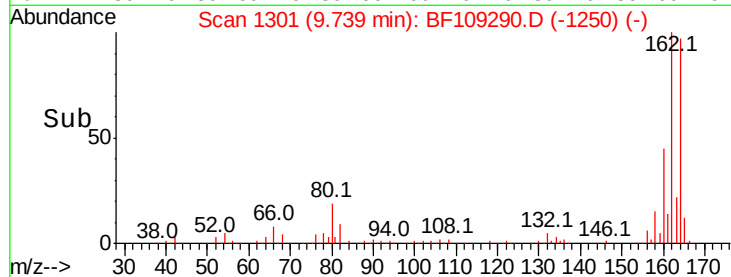
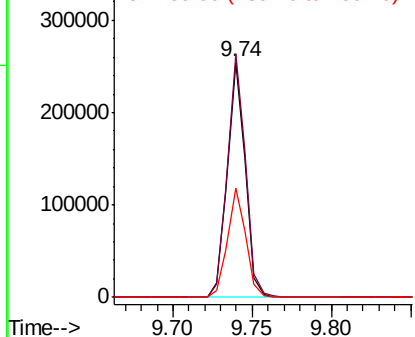
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109290.D
Acq: 25 Sep 2018 17:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	46.2	38.3	57.5

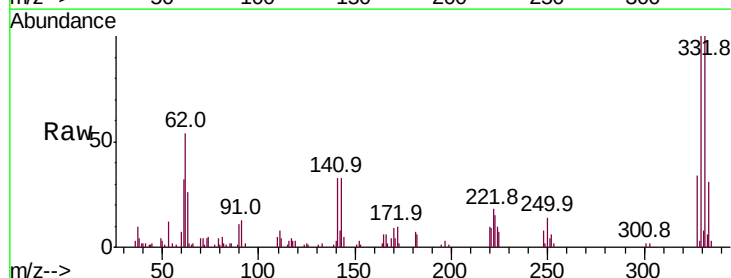


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

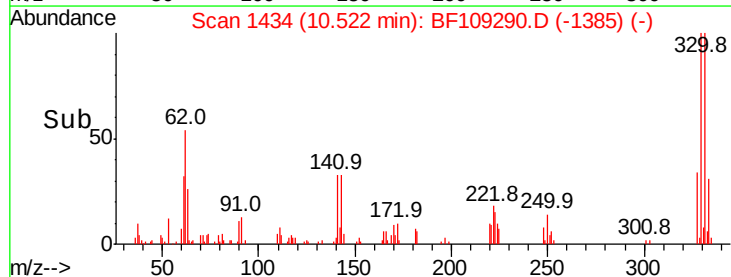
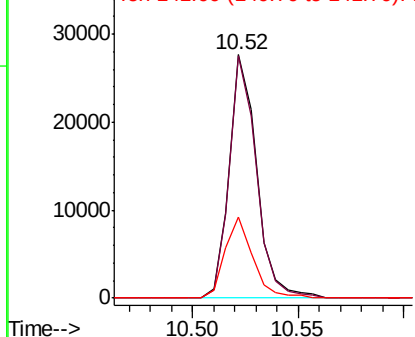


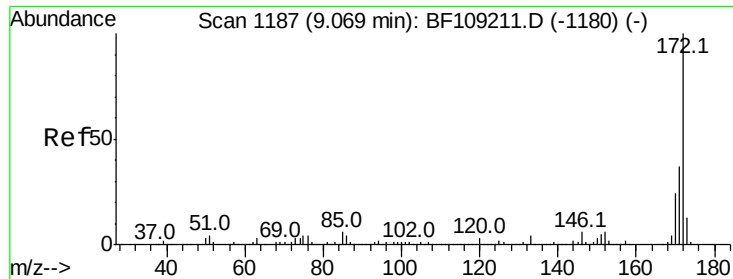
#41
2,4,6-Tribromophenol
Concen: 12.668 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF109290.D
Acq: 25 Sep 2018 17:18

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	33.7	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

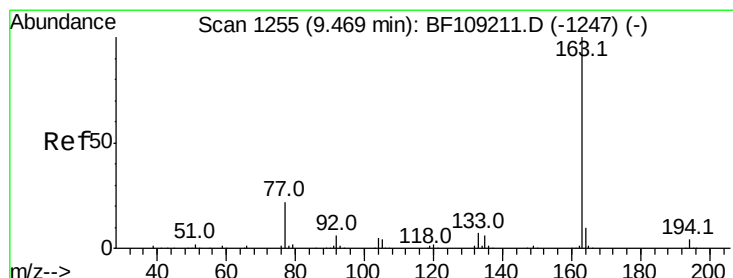
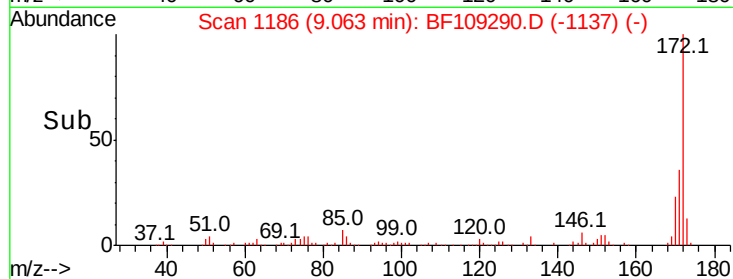
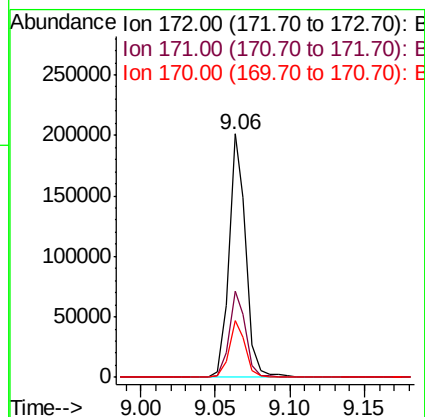
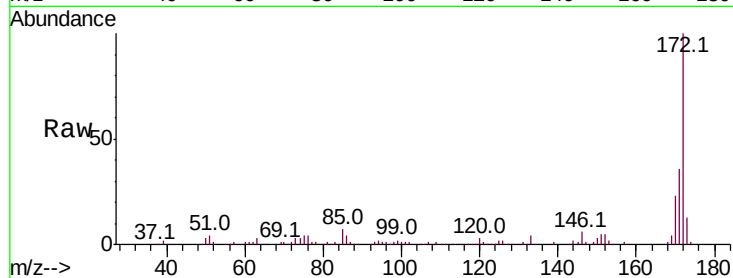




#44
 2-Fluorobiphenyl
 Concen: 12.220 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109290.D
 Acq: 25 Sep 2018 17:18

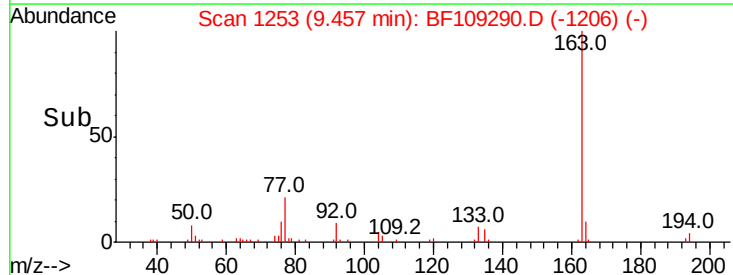
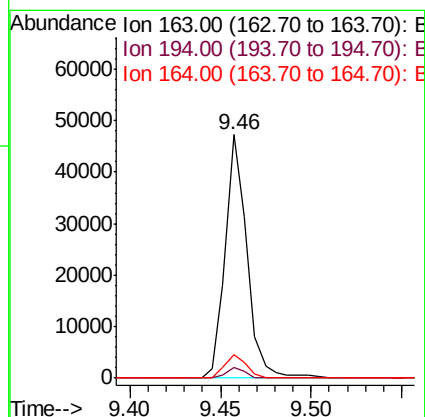
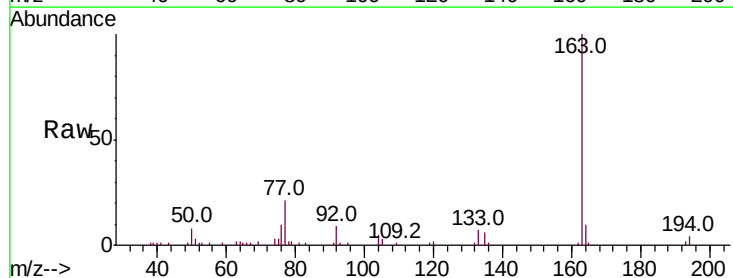
Instrument :
 BNA_F
 ClientSampled :

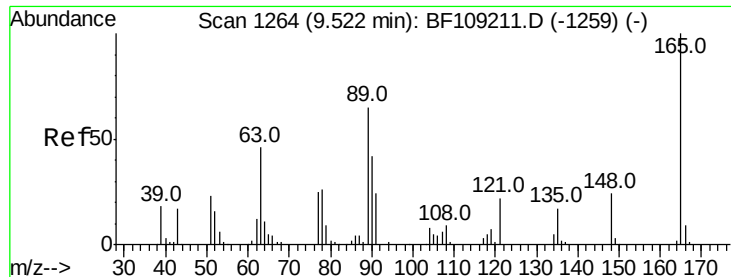
Tot Ion:172 Resp: 161161
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 23.3 19.6 29.4



#49
 Dimethylphthalate
 Concen: 2.725 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF109290.D
 Acq: 25 Sep 2018 17:18

Tgt Ion:163 Resp: 39427
 Ion Ratio Lower Upper
 163 100
 194 4.1 2.7 4.1#
 164 9.6 8.2 12.2

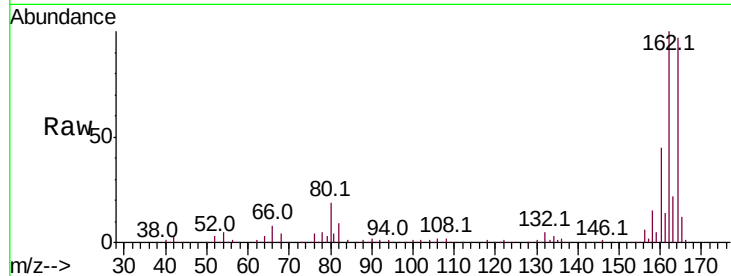




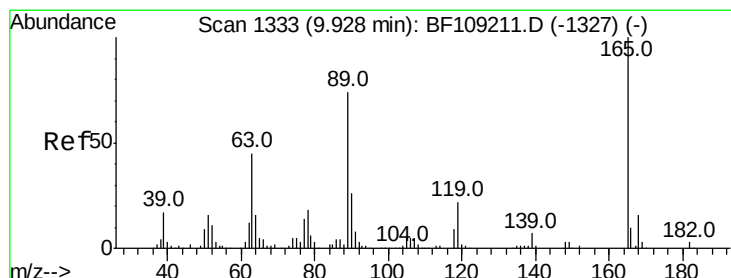
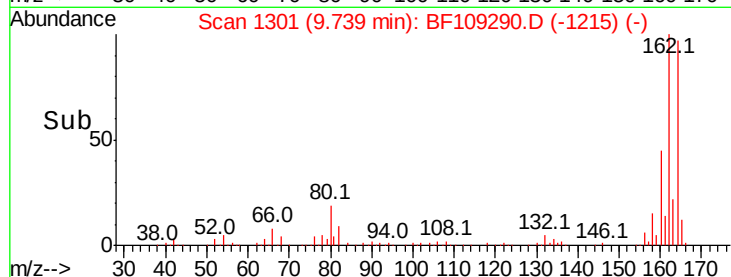
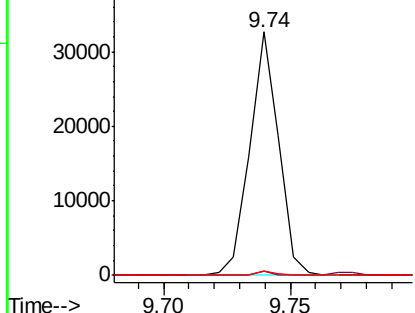
#50
 2,6-Dinitrotoluene
 Concen: 8.963 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.21 min
 Lab File: BF109290.D
 Acq: 25 Sep 2018 17:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.5	44.0	66.0#



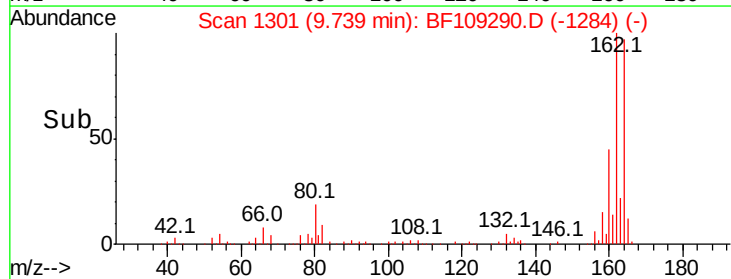
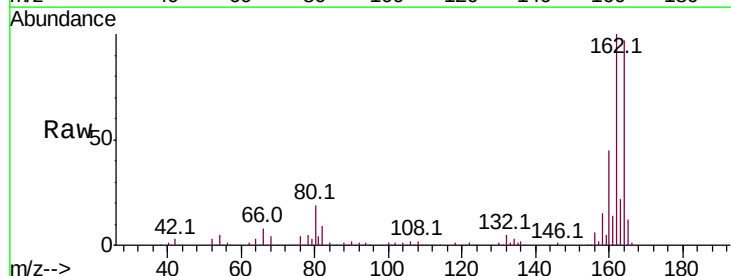
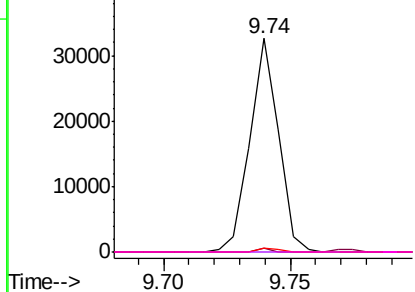
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

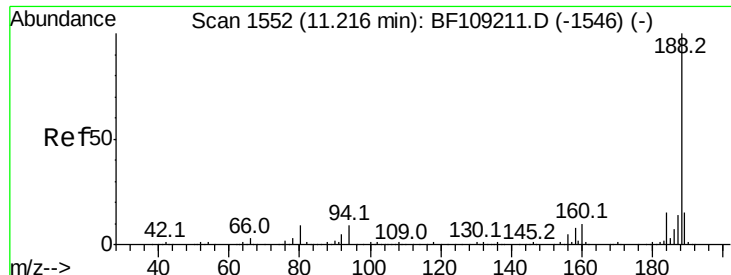


#56
 2,4-Dinitrotoluene
 Concen: 7.084 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.20 min
 Lab File: BF109290.D
 Acq: 25 Sep 2018 17:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.5	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): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

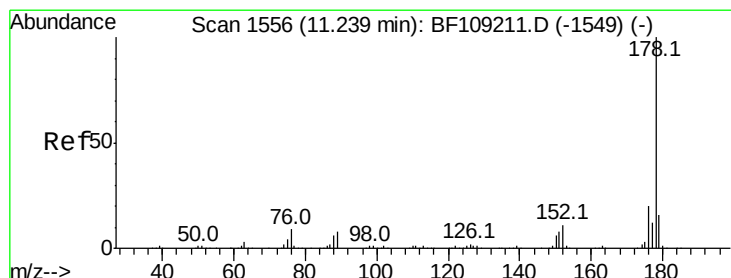
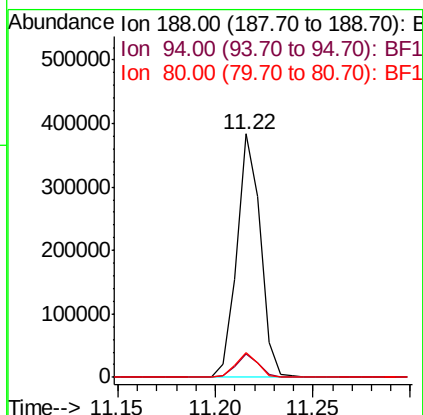
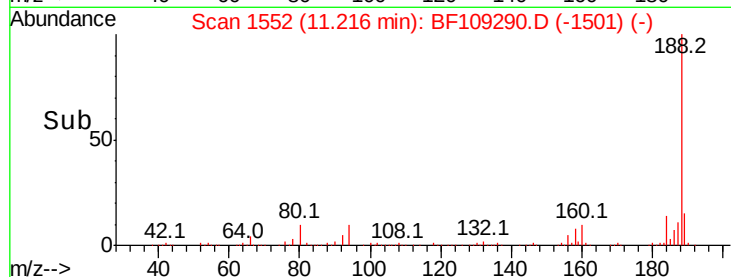
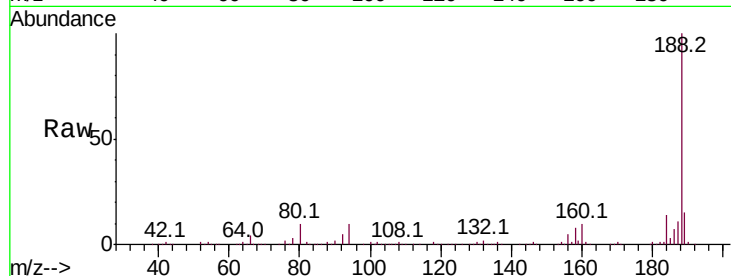




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109290.D
Acq: 25 Sep 2018 17:18

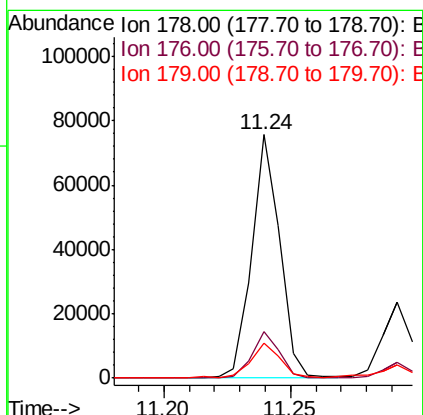
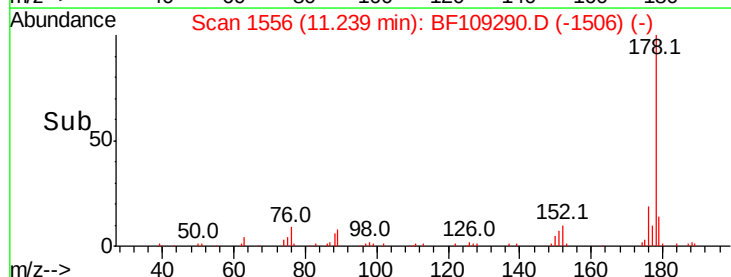
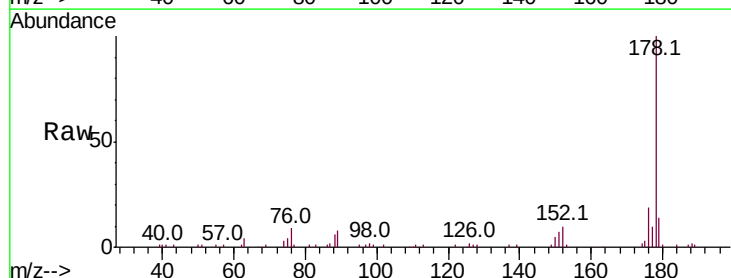
Instrument :
BNA_F
ClientSampled :

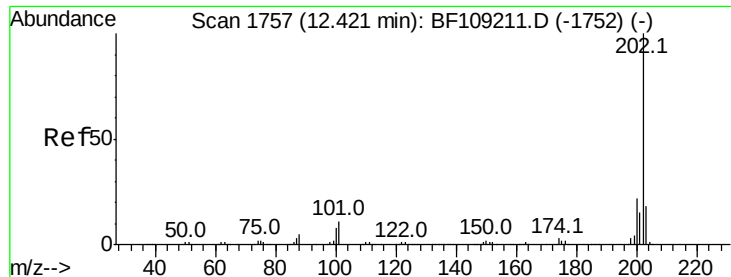
Tot Ion:188 Resp: 321189
Ion Ratio Lower Upper
188 100
94 9.8 8.5 12.7
80 10.3 9.2 13.8



#70
Phenanthrene
Concen: 3.649 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109290.D
Acq: 25 Sep 2018 17:18

Tgt Ion:178 Resp: 58522
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 14.1 13.0 19.6





#74

Fluoranthene

Concen: 9.049 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109290.D

Acq: 25 Sep 2018 17:18

Instrument :

BNA_F

ClientSampled :

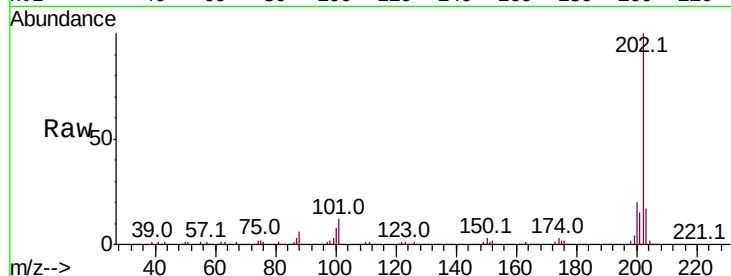
Tot Ion:202 Resp: 155087

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

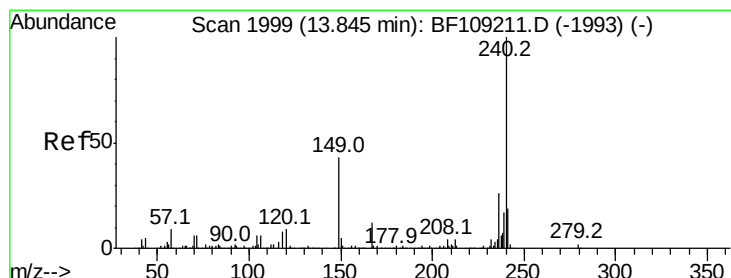
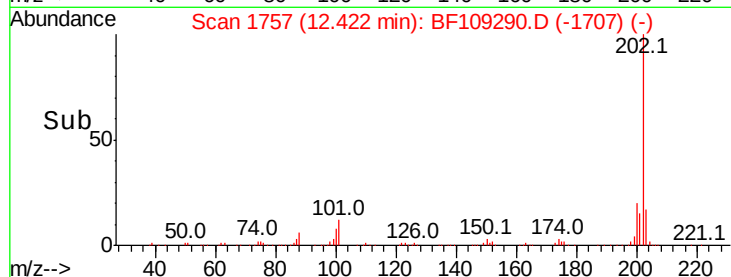
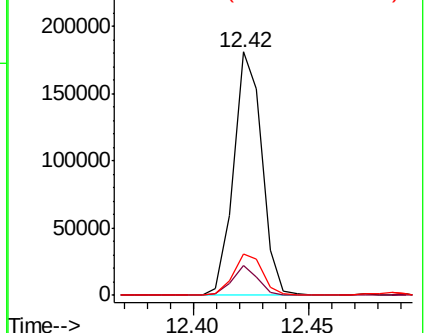
203 17.1 0.0 38.1



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# 1999

Delta R.T. 0.00 min

Lab File: BF109290.D

Acq: 25 Sep 2018 17:18

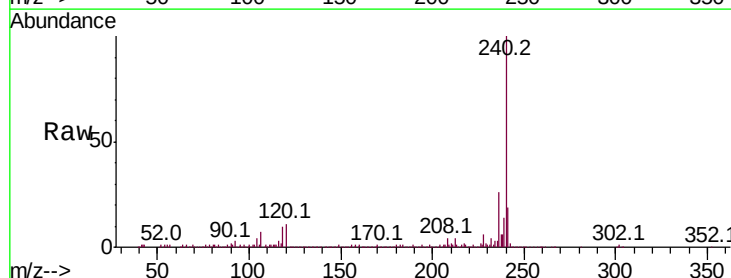
Tgt Ion:240 Resp: 285212

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

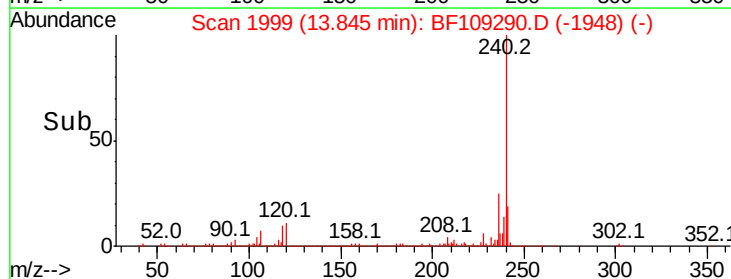
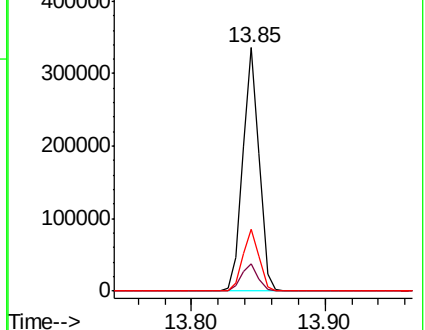
236 25.6 20.7 31.1

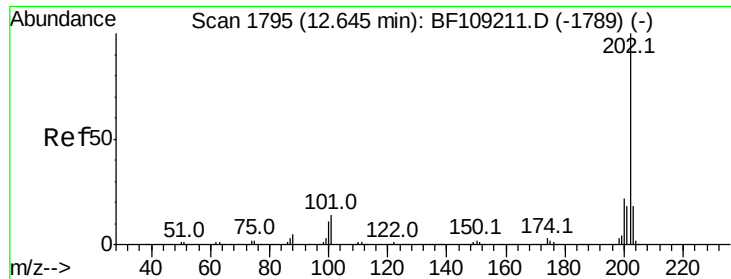


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

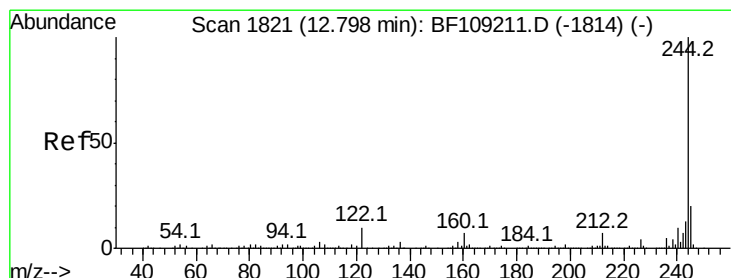
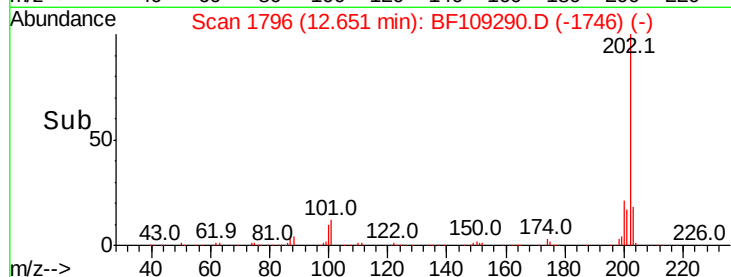
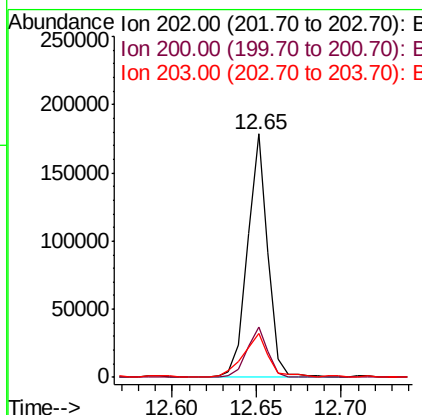
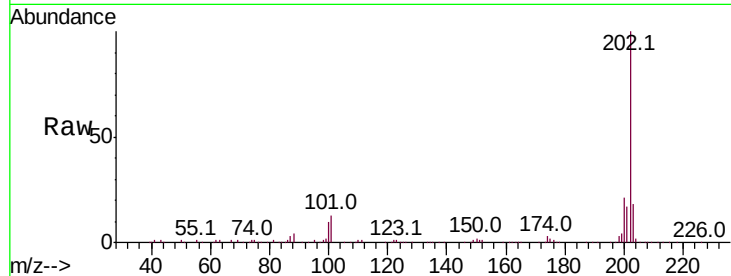




#77
Pvrene
Concen: 7.271 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.01 min
Lab File: BF109290.D
Acq: 25 Sep 2018 17:18

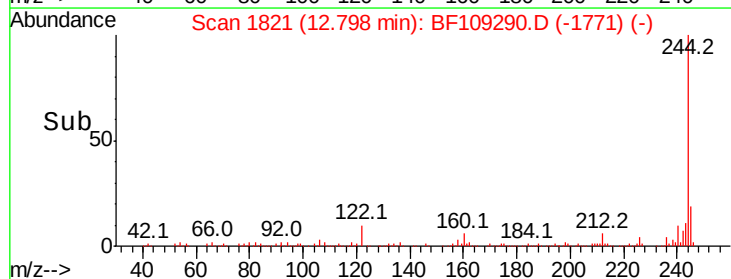
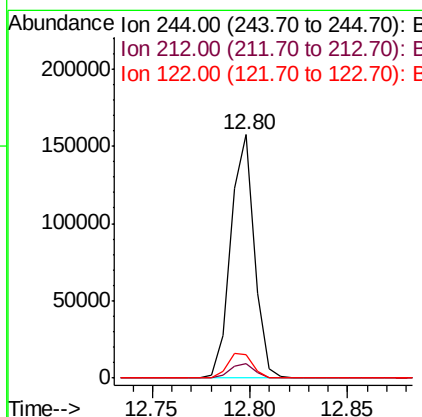
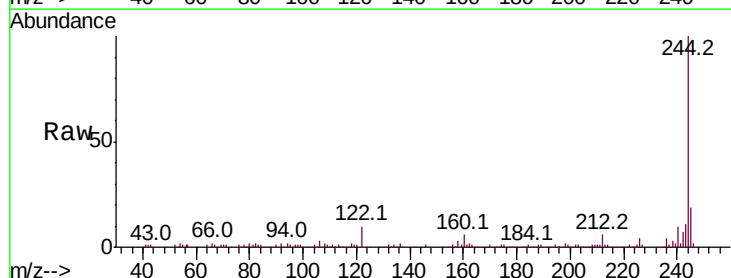
Instrument :
BNA_F
ClientSampleId :

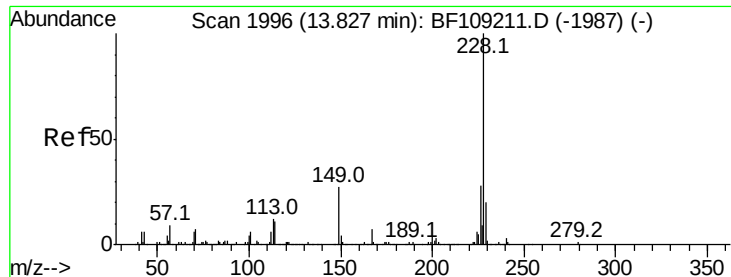
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	18.0	14.3	21.5



#78
Terphenyl-d14
Concen: 11.314 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF109290.D
Acq: 25 Sep 2018 17:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.4	8.0
122	9.6	11.0	16.4#





#80

Benzo(a)anthracene

Concen: 5.060 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF109290.D

Acq: 25 Sep 2018 17:18

Instrument :

BNA_F

ClientSampleId :

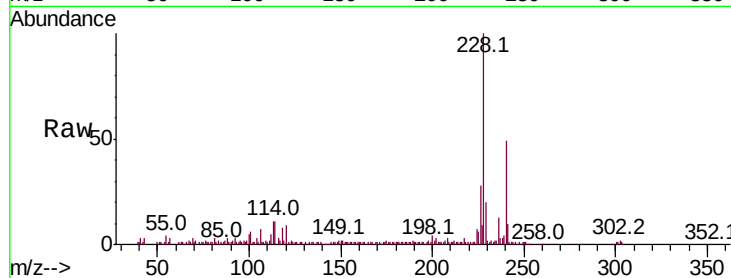
Tot Ion:228 Resp: 86924

Ion Ratio Lower Upper

228 100

226 28.2 22.6 33.8

229 20.4 15.8 23.6

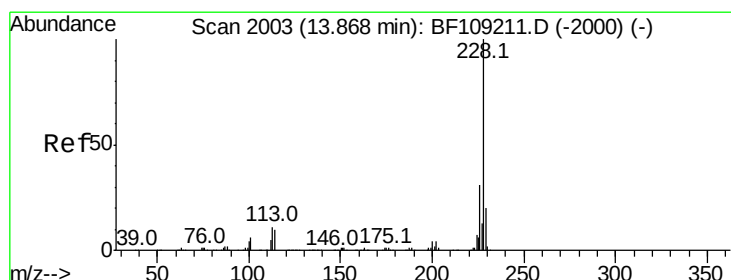
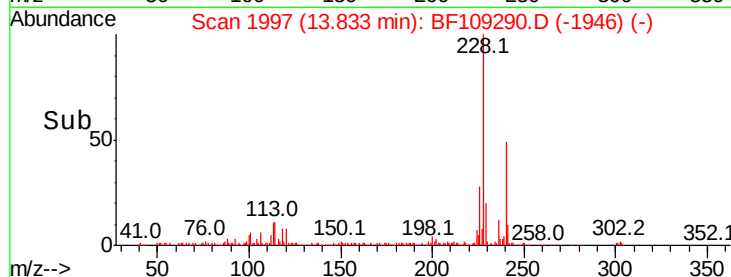
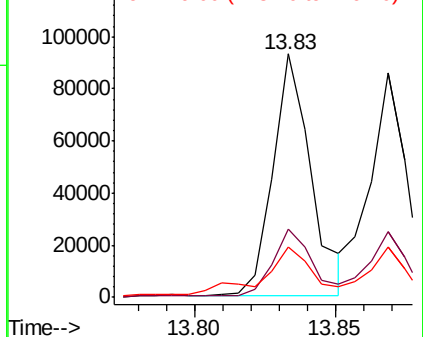


Abundance

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: 4.484 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF109290.D

Acq: 25 Sep 2018 17:18

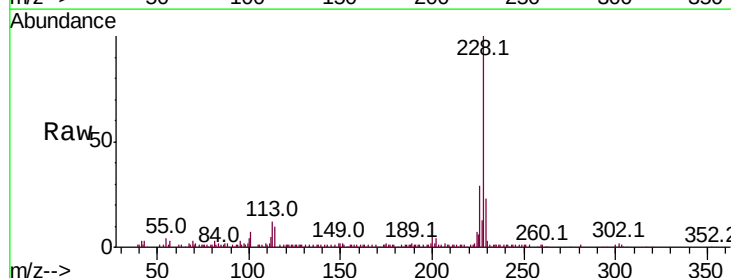
Tgt Ion:228 Resp: 76344

Ion Ratio Lower Upper

228 100

226 29.5 25.0 37.6

229 22.5 16.2 24.4

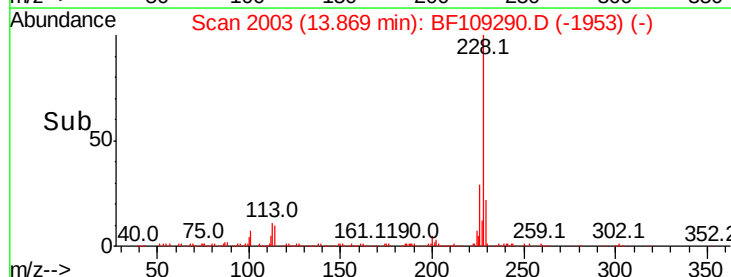
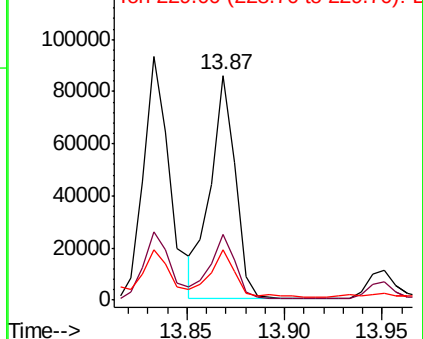


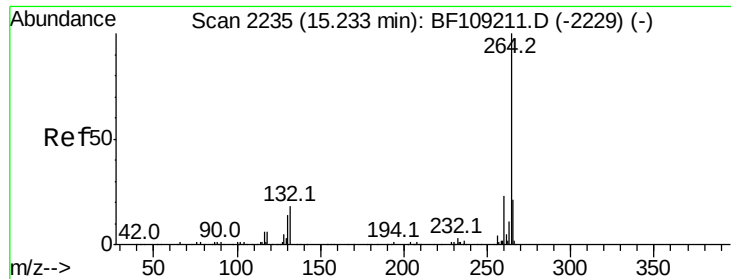
Abundance

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

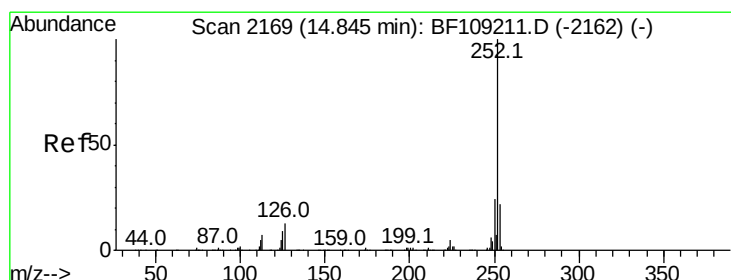
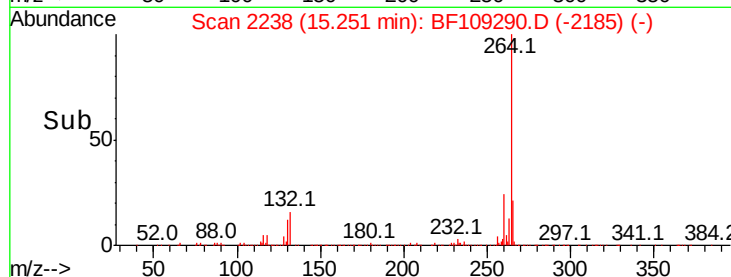
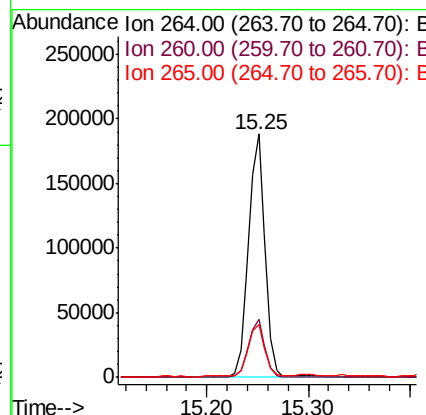
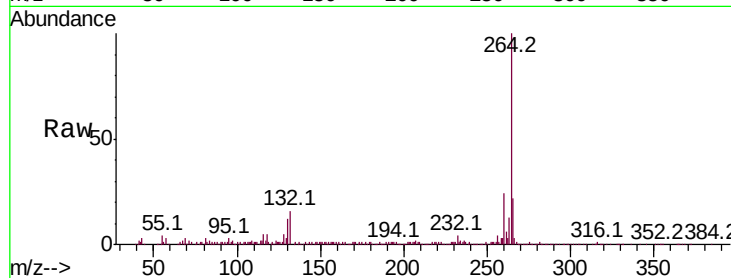




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF109290.D
Acq: 25 Sep 2018 17:18

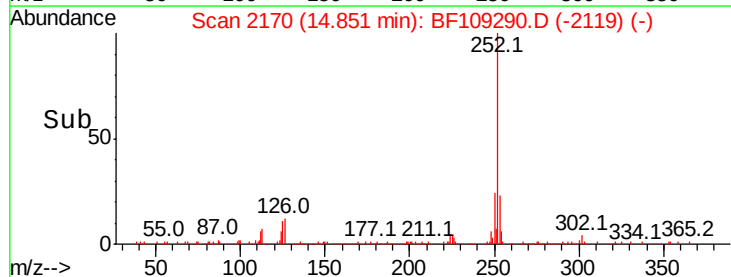
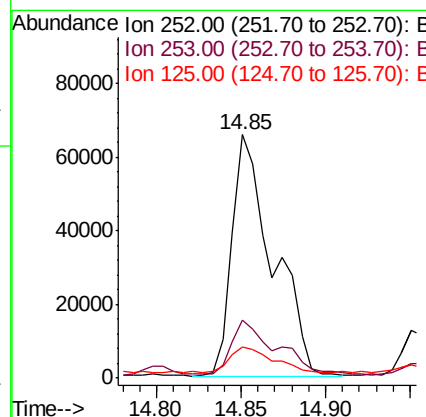
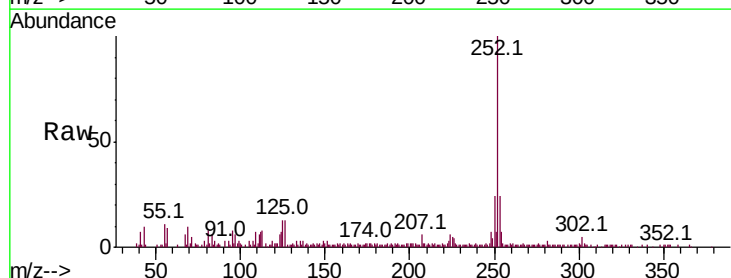
Instrument :
BNA_F
ClientSampleId :

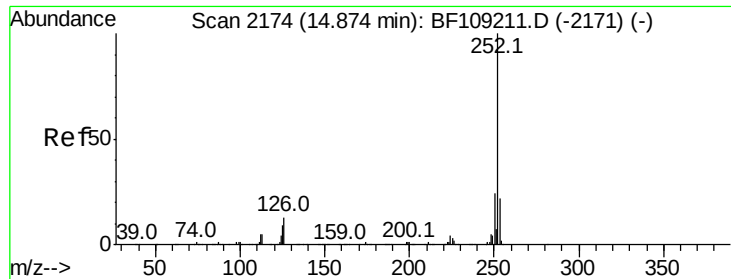
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.7	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 9.524 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109290.D
Acq: 25 Sep 2018 17:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.6
125	12.8	9.0	13.6

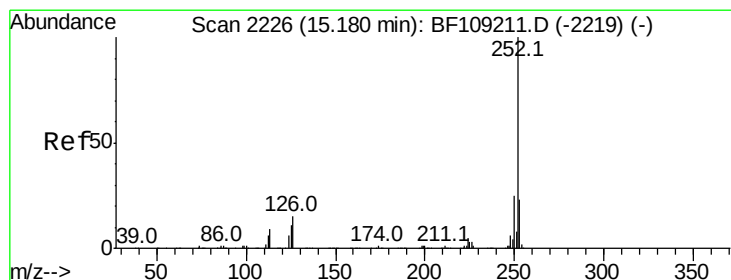
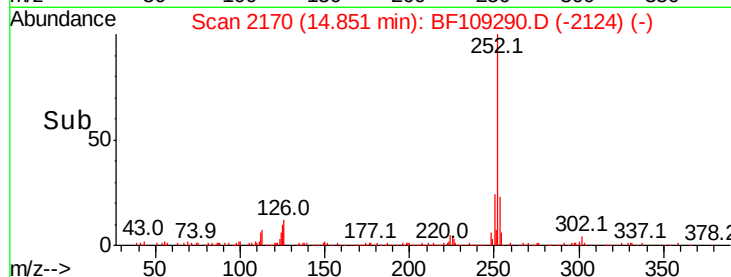
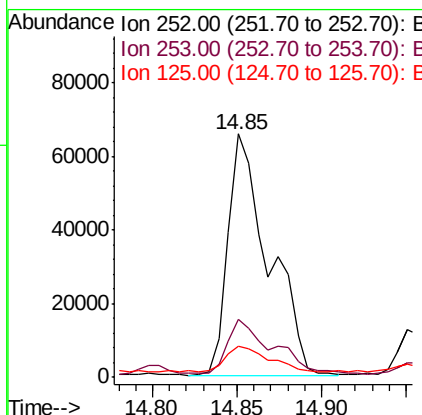
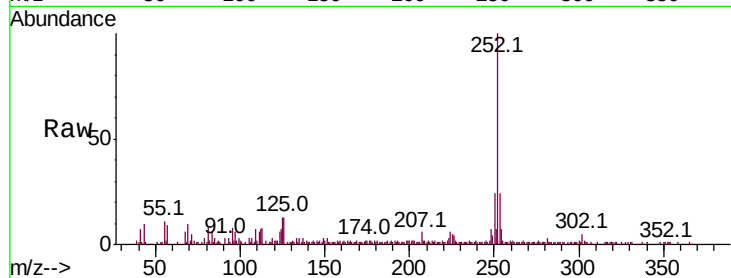




#88
Benzo(k)fluoranthene
Concen: 10.037 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF109290.D
Acq: 25 Sep 2018 17:18

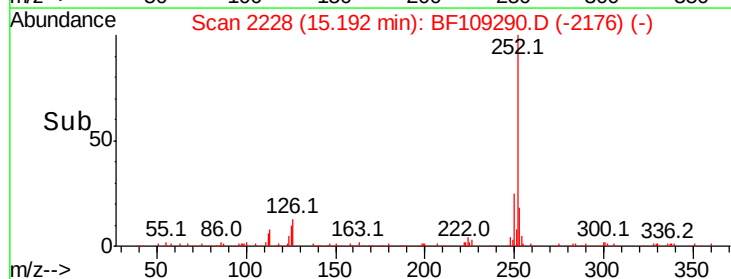
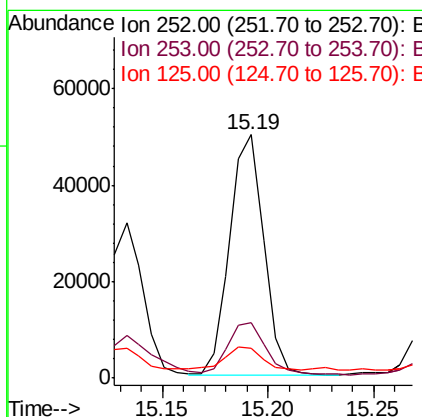
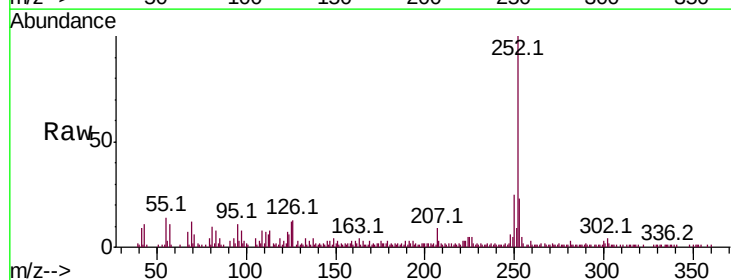
Instrument :
BNA_F
ClientSampleId :

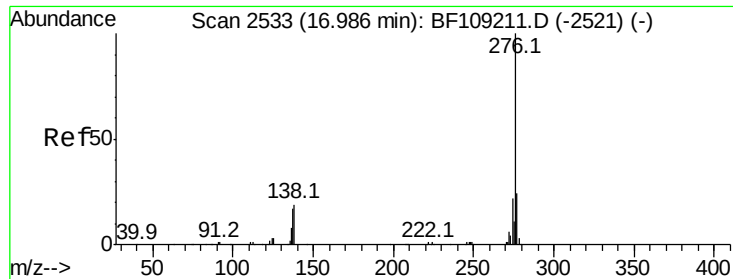
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	12.8	10.2	15.2



#89
Benzo(a)pyrene
Concen: 5.360 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF109290.D
Acq: 25 Sep 2018 17:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	12.2	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.533 ng
 RT: 17.00 min Scan# 2536
 Delta R.T. 0.01 min
 Lab File: BF109290.D
 Acq: 25 Sep 2018 17:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.1	17.9	26.9
138	22.0	21.8	32.8

