

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109116.D
 Acq On : 19 Sep 2018 00:32
 Operator : JU/SJ
 Sample : J4967-03 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 04:06:14 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	114107	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	386010	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	159530	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	301408	20.00	ng	0.00
75) Chrysene-d12	13.85	240	345182	20.00	ng	0.00
86) Perylene-d12	15.26	264	280067	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	116977	17.03	ng	0.00
7) Phenol-d6	6.35	99	148011	16.71	ng	-0.01
23) Nitrobenzene-d5	7.28	82	87669	12.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	33435	19.31	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	155158	15.24	ng	0.00
78) Terphenyl-d14	12.81	244	168599	11.58	ng	0.00

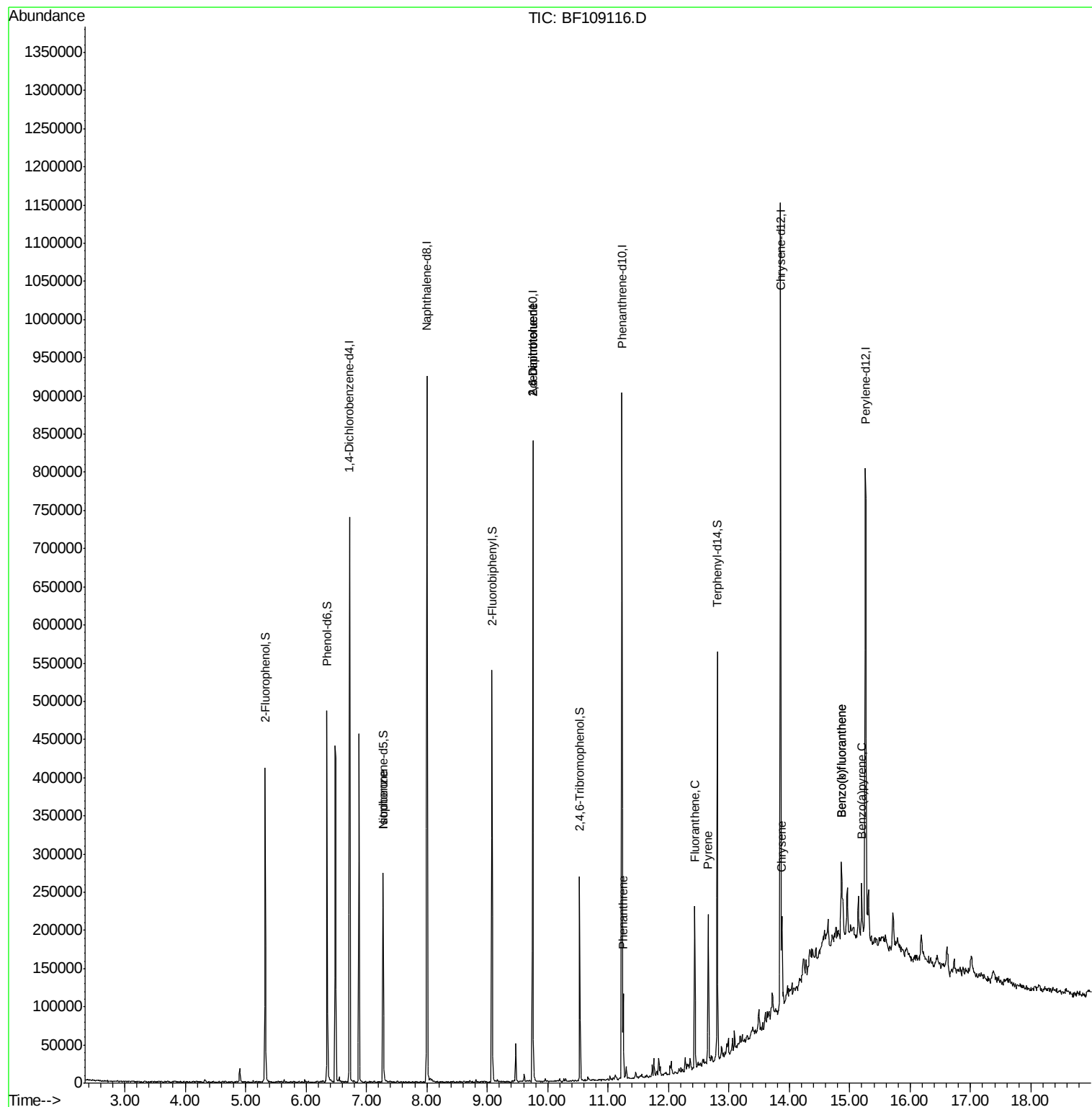
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.28	82	87668	7.410	ng	# 64
50) 2,6-Dinitrotoluene	9.75	165	19748	7.810	ng	# 25
56) 2,4-Dinitrotoluene	9.75	165	19748	5.972	ng	# 23
70) Phenanthrene	11.25	178	37711	2.552	ng	99
74) Fluoranthene	12.44	202	80279	5.147	ng	94
77) Pyrene	12.66	202	76351	2.978	ng	98
82) Chrysene	13.88	228	45268	2.165	ng	96
87) Benzo(b)fluoranthene	14.86	252	66746	4.308	ng	# 93
88) Benzo(k)fluoranthene	14.86	252	66740	4.612	ng	96
89) Benzo(a)pyrene	15.20	252	31412	2.283	ng	# 95

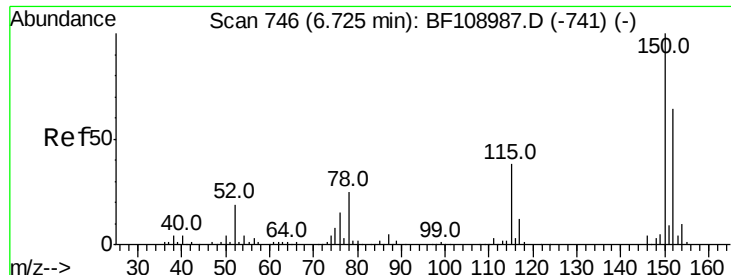
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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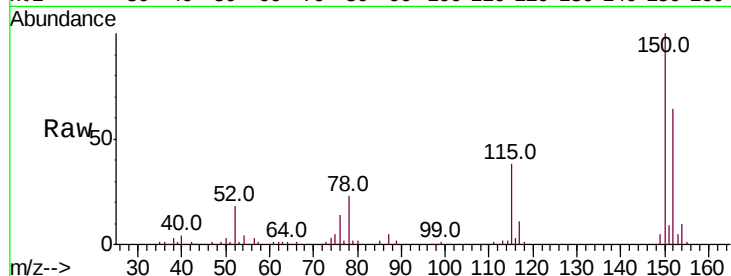


#1

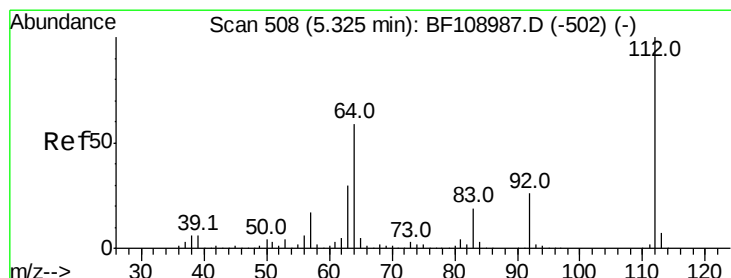
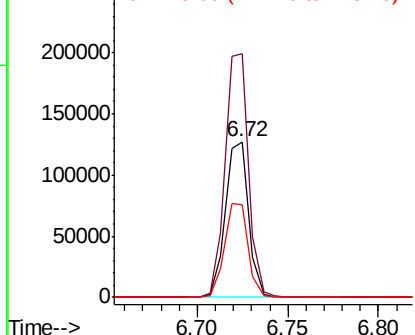
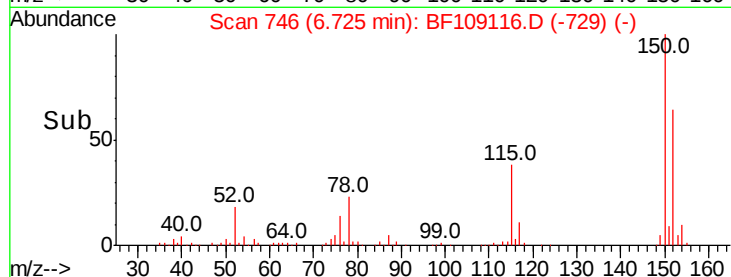
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 746
Delta R.T. -0.00 min
Lab File: BF109116.D
Acq: 19 Sep 2018 00:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	59.1	50.1	75.1



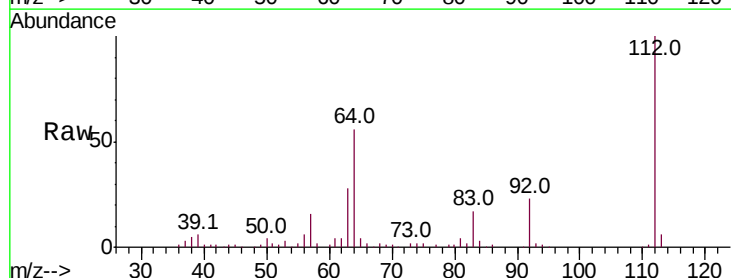
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



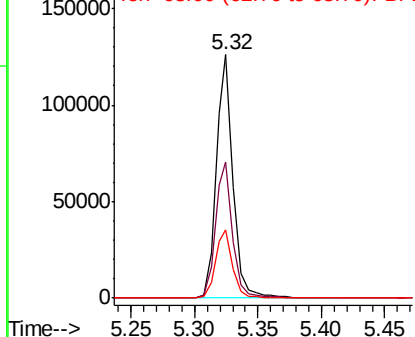
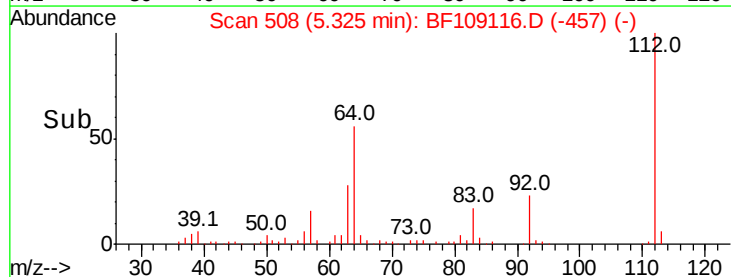
#5

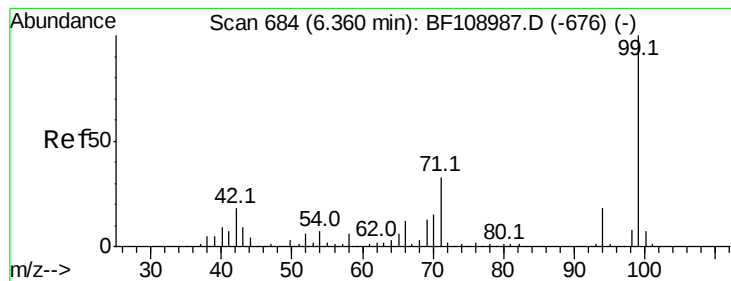
2-Fluorophenol
Concen: 17.027 ng
RT: 5.32 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF109116.D
Acq: 19 Sep 2018 00:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.9	71.9
63	28.0	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: 16.708 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109116.D

Acq: 19 Sep 2018 00:32

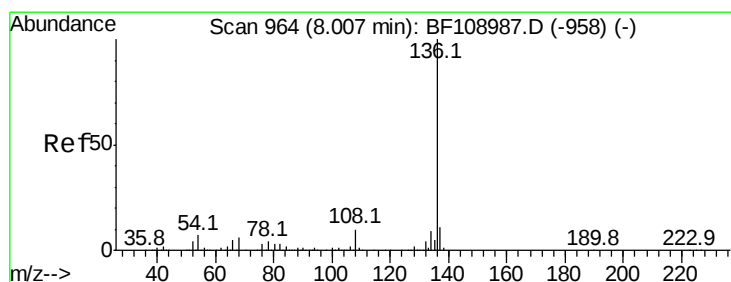
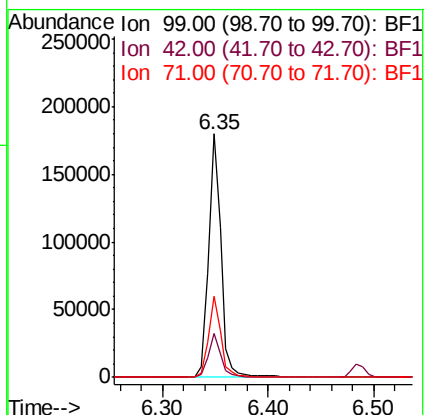
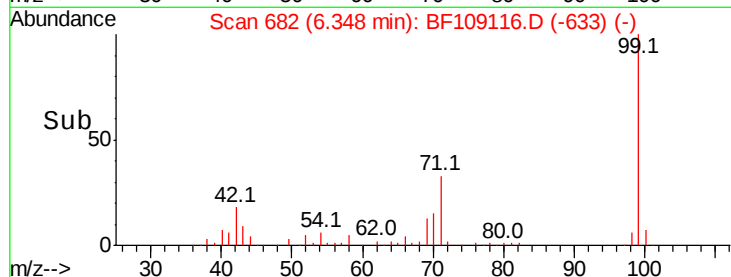
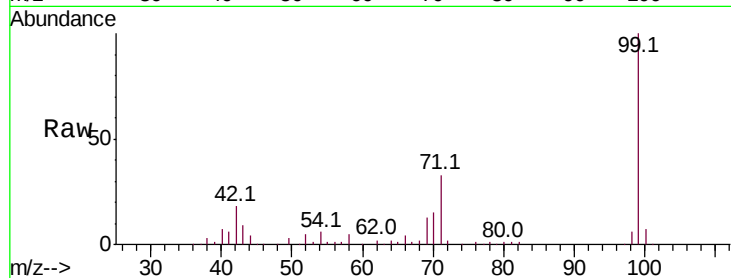
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 148011

Ion	Ratio	Lower	Upper
99	100		
42	17.9	14.5	21.7
71	33.4	25.4	38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 963

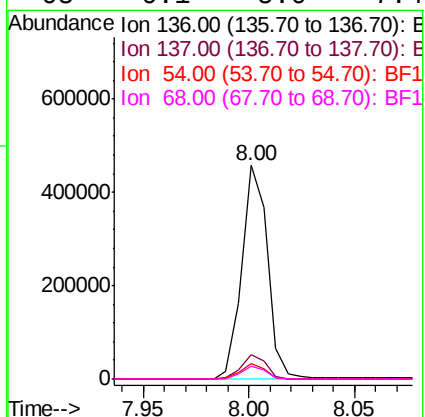
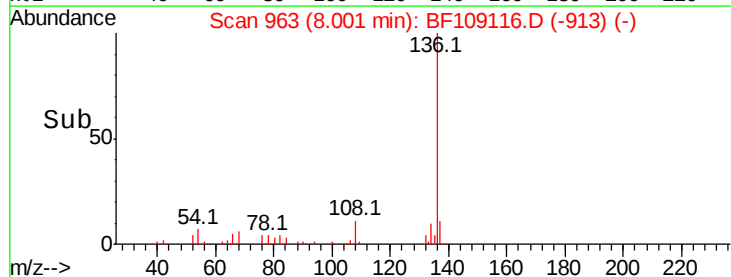
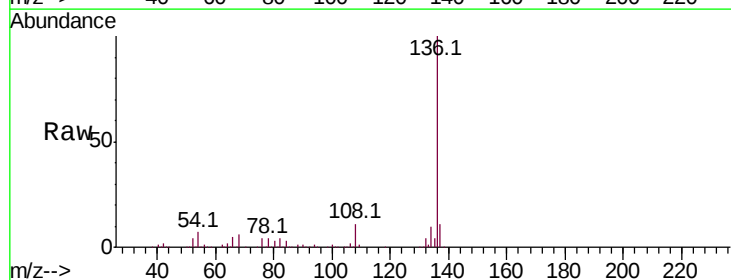
Delta R.T. -0.01 min

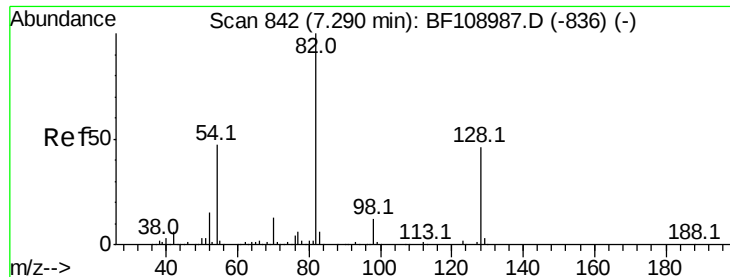
Lab File: BF109116.D

Acq: 19 Sep 2018 00:32

Tgt Ion: 136 Resp: 386010

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.5	6.6	9.8
68	6.1	5.0	7.4

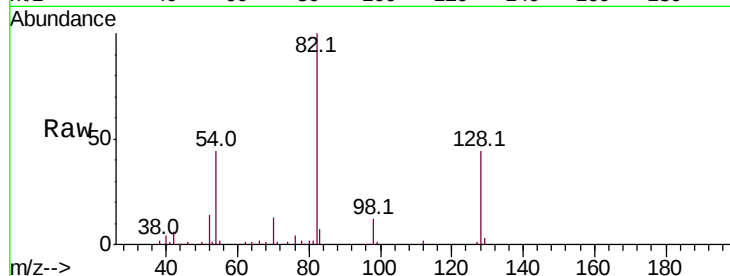




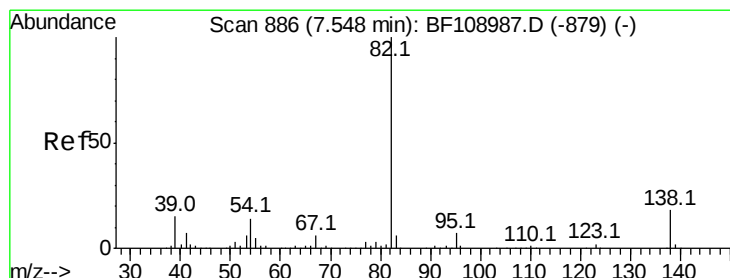
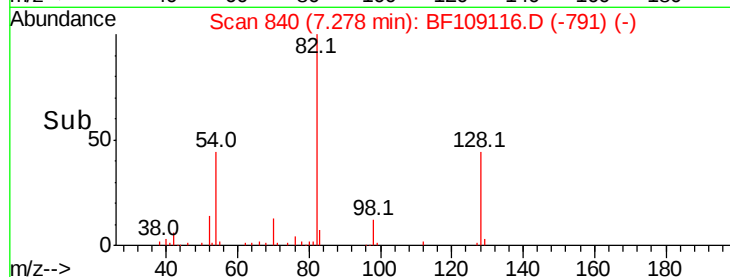
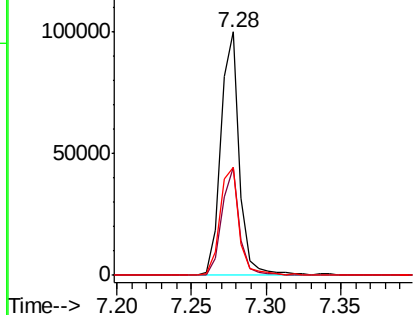
#23
Nitrobenzene-d5
Concen: 12.739 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF109116.D
Acq: 19 Sep 2018 00:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	87669
Ion Ratio	Lower	Upper	
82	100		
128	44.3	36.1	54.1
54	44.1	41.4	62.2

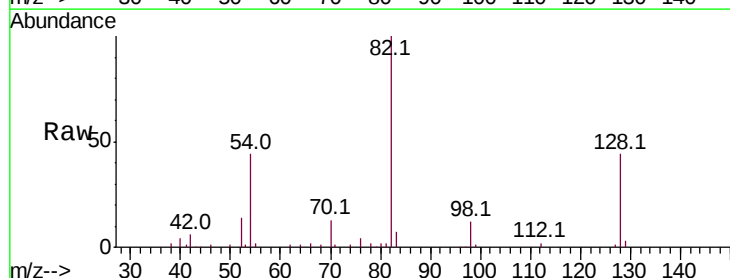


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

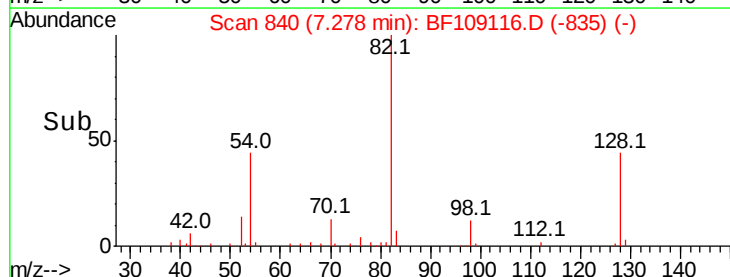
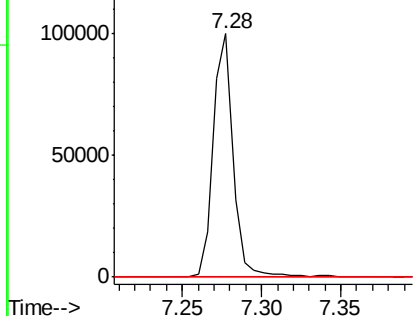


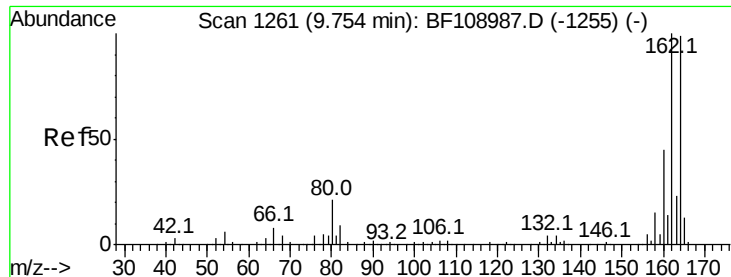
#25
Isophorone
Concen: 7.410 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.27 min
Lab File: BF109116.D
Acq: 19 Sep 2018 00:32

Tgt Ion	82	Resp	87668
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

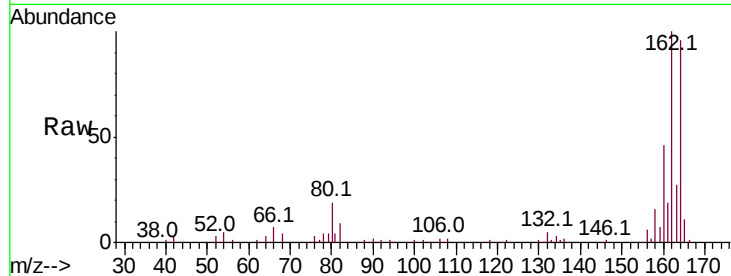




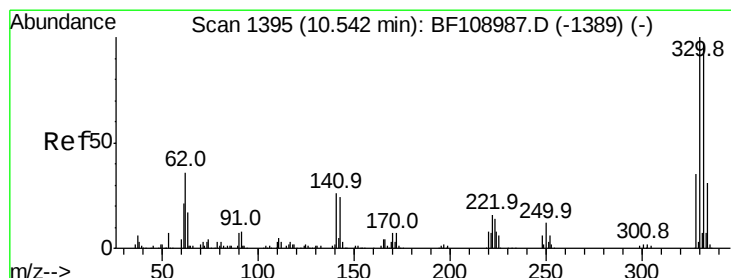
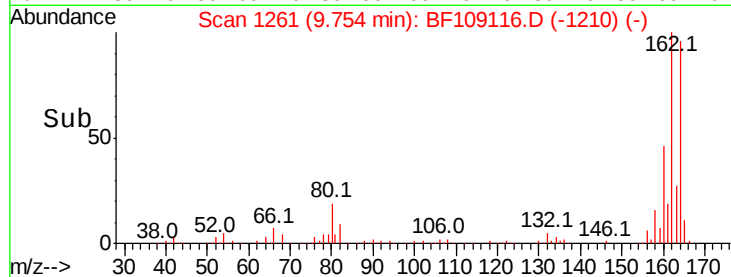
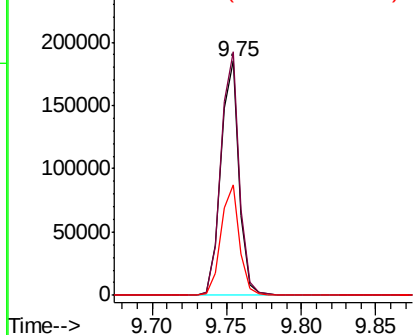
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: BF109116.D
 Acq: 19 Sep 2018 00:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 159530
 Ion Ratio Lower Upper
 164 100
 162 104.0 86.1 129.1
 160 47.4 38.3 57.5

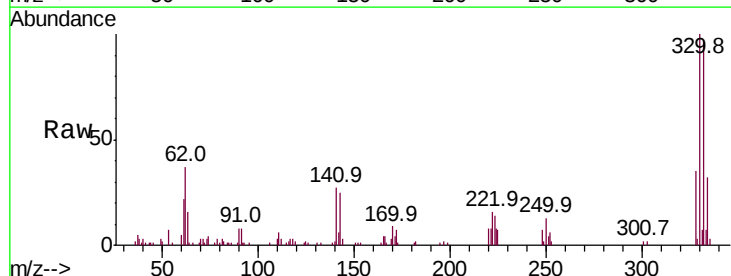


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

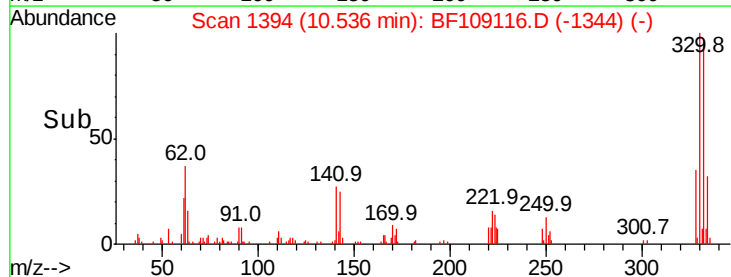
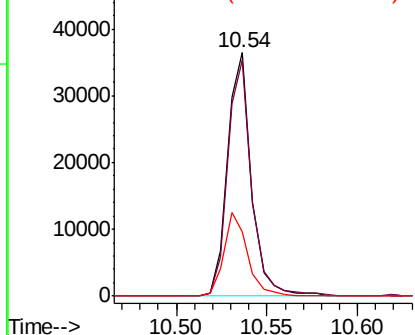


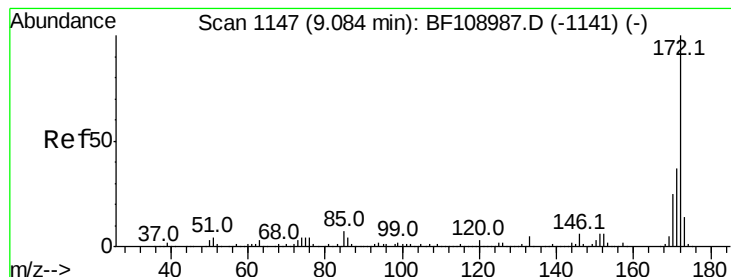
#41
 2,4,6-Tribromophenol
 Concen: 19.312 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109116.D
 Acq: 19 Sep 2018 00:32

Tgt Ion:330 Resp: 33435
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.0 115.6
 141 33.5 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: 15.238 ng

RT: 9.08 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF109116.D

Acq: 19 Sep 2018 00:32

Instrument :

BNA_F

ClientSampled :

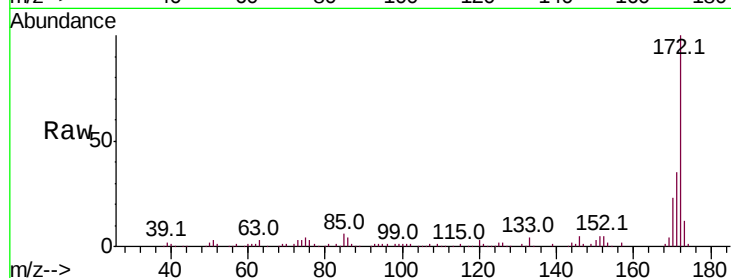
Tot Ion:172 Resp: 155158

Ion Ratio Lower Upper

172 100

171 34.5 29.7 44.5

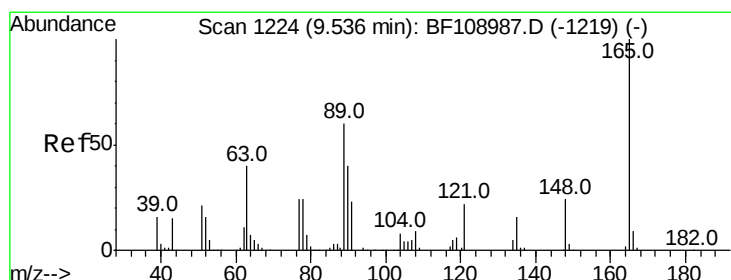
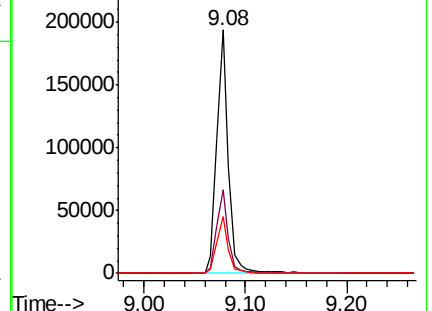
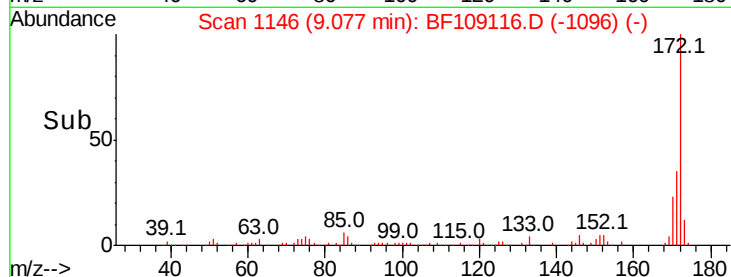
170 23.4 19.6 29.4



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: 7.810 ng

RT: 9.75 min Scan# 1261

Delta R.T. 0.22 min

Lab File: BF109116.D

Acq: 19 Sep 2018 00:32

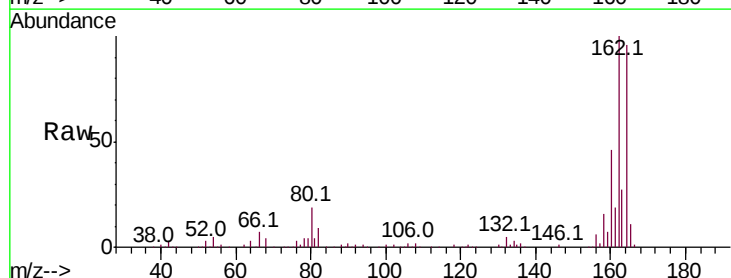
Tgt Ion:165 Resp: 19748

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

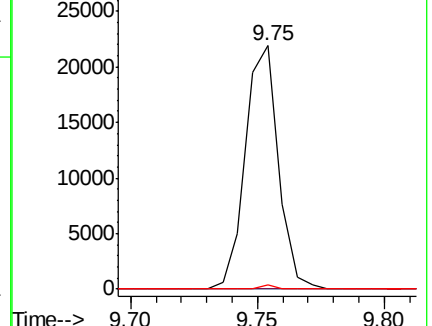
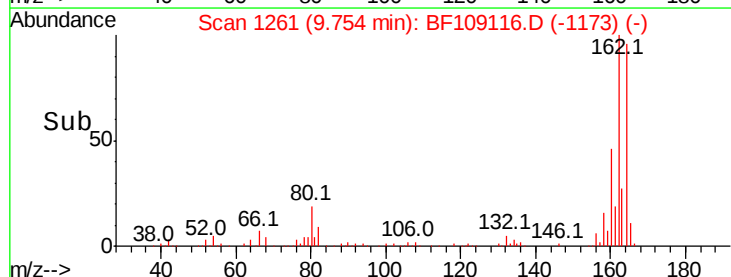
89 1.7 44.0 66.0#

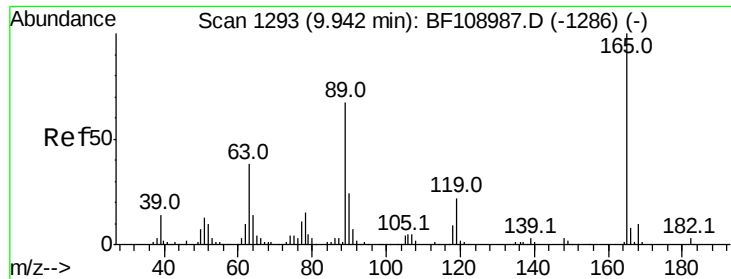


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

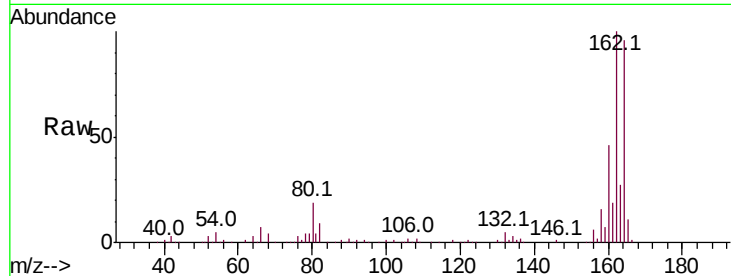




#56
 2,4-Dinitrotoluene
 Concen: 5.972 ng
 RT: 9.75 min Scan# 1261
 Delta R.T. -0.19 min
 Lab File: BF109116.D
 Acq: 19 Sep 2018 00:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	19748
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	1.7	57.8 86.6#
182	0.0	1.6 2.4#

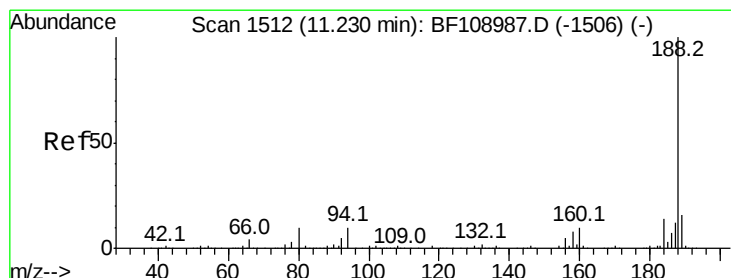
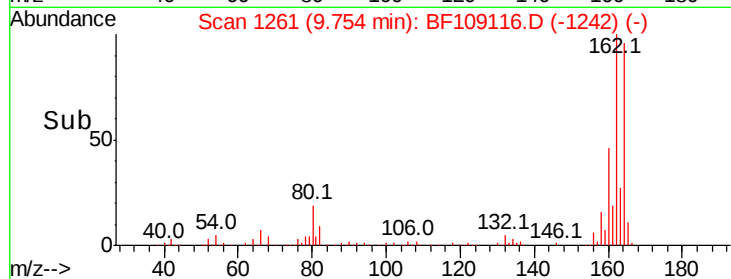
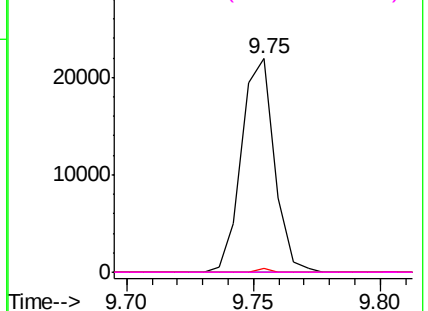


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

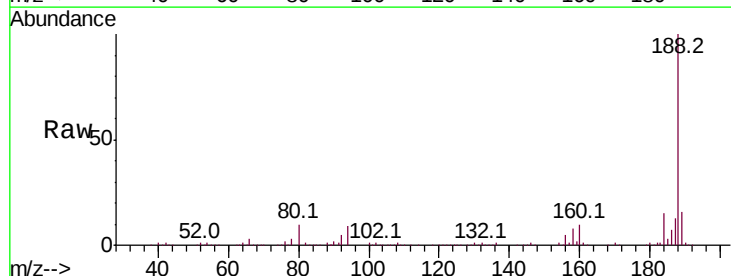
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: BF109116.D
 Acq: 19 Sep 2018 00:32

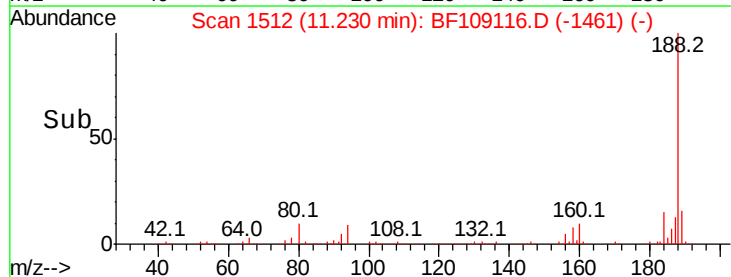
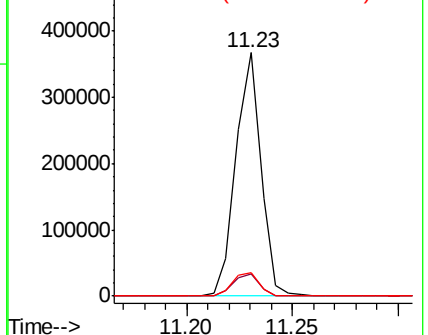
Tgt Ion:188	Resp:	301408
Ion Ratio	Lower	Upper
188	100	
94	9.4	8.5 12.7
80	9.6	9.2 13.8

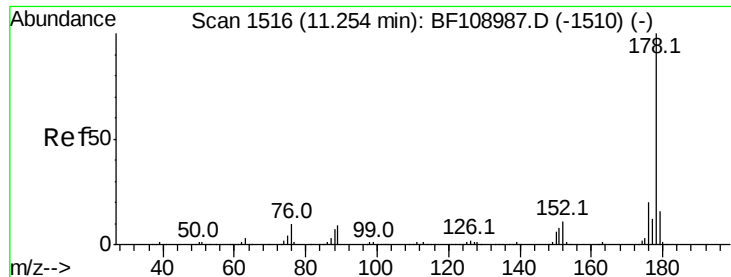


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

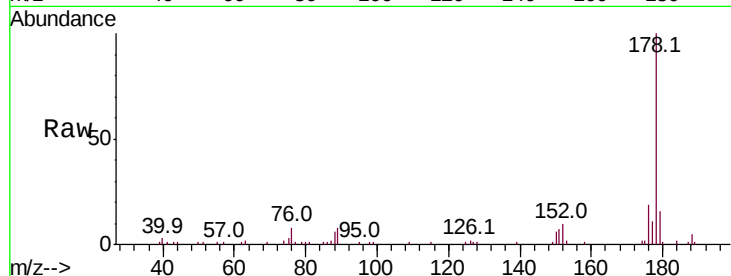




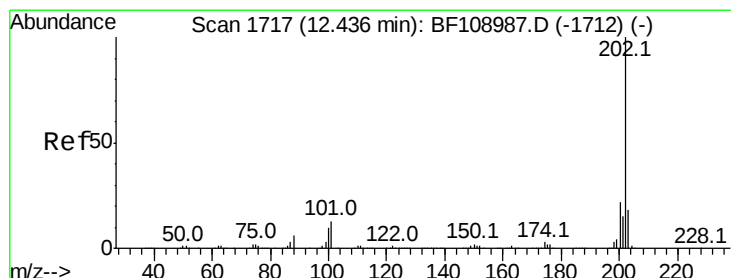
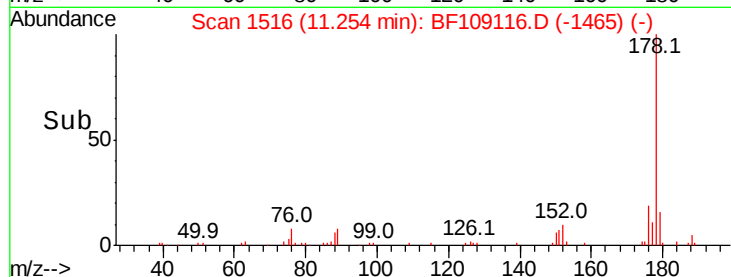
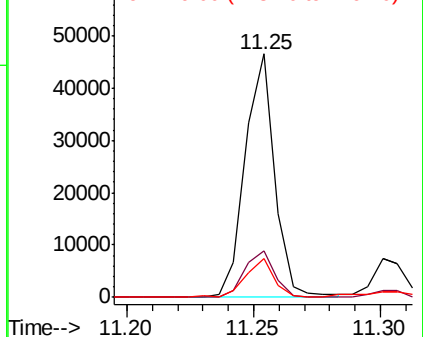
#70
Phenanthrene
Concen: 2.552 ng
RT: 11.25 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF109116.D
Acq: 19 Sep 2018 00:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 37711
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 16.1 13.0 19.6

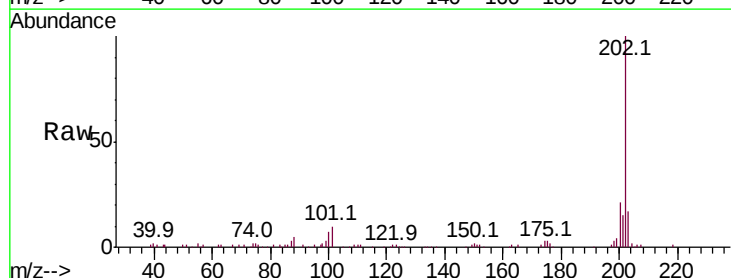


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

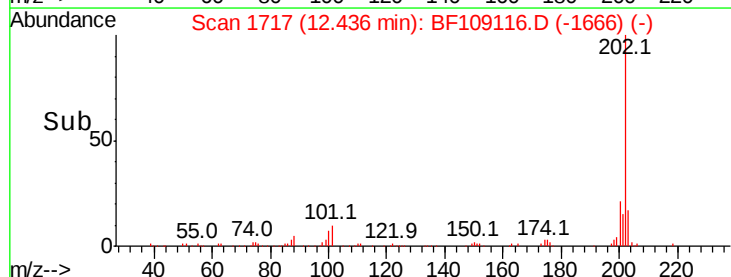
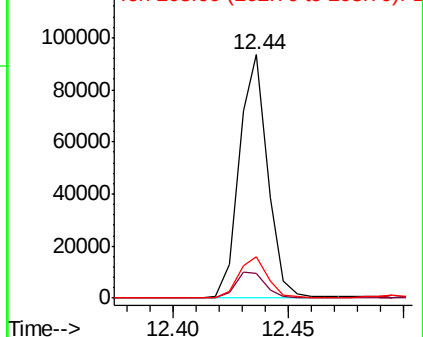


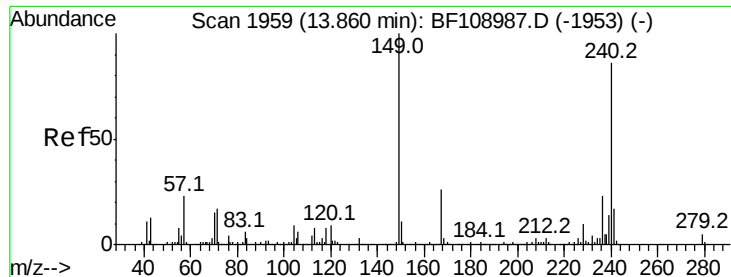
#74
Fluoranthene
Concen: 5.147 ng
RT: 12.44 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BF109116.D
Acq: 19 Sep 2018 00:32

Tgt Ion:202 Resp: 80279
Ion Ratio Lower Upper
202 100
101 10.4 0.0 34.1
203 16.8 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: BF109116.D

Acq: 19 Sep 2018 00:32

Instrument :

BNA_F

ClientSampled :

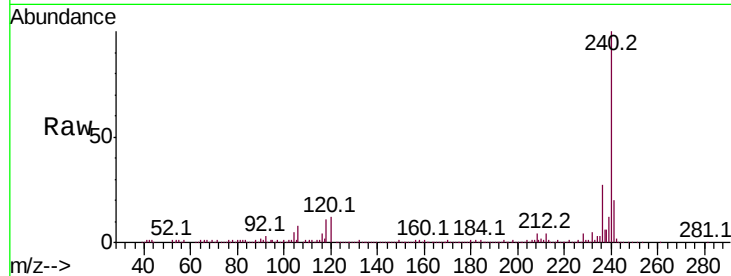
Tot Ion:240 Resp: 345182

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

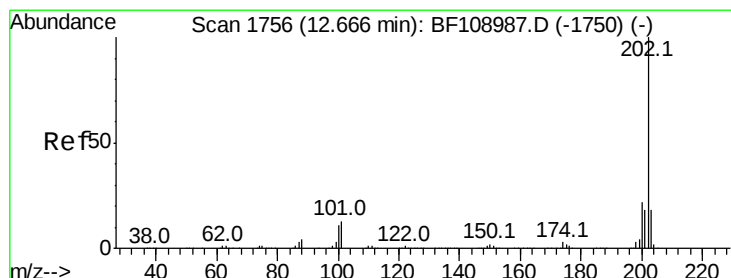
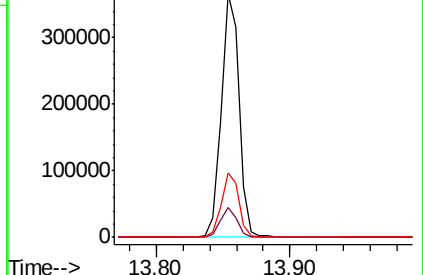
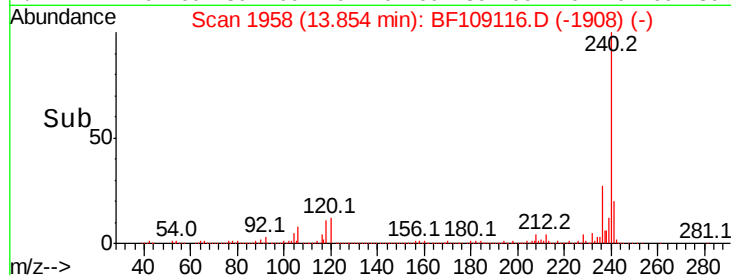
236 26.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.978 ng

RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF109116.D

Acq: 19 Sep 2018 00:32

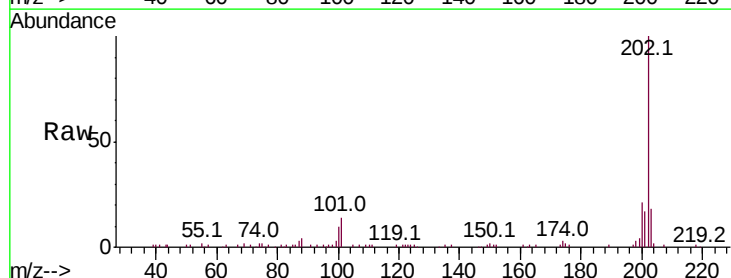
Tgt Ion:202 Resp: 76351

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

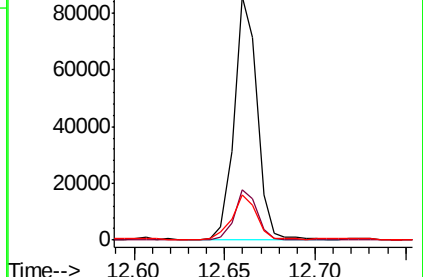
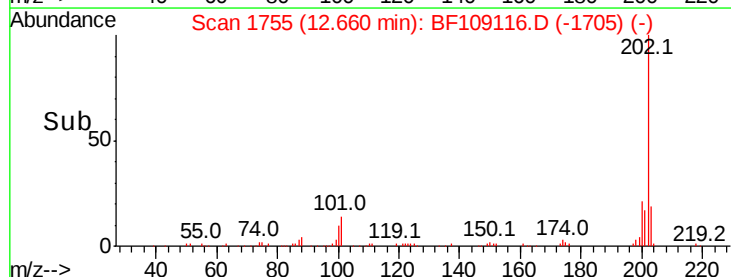
203 18.4 14.3 21.5

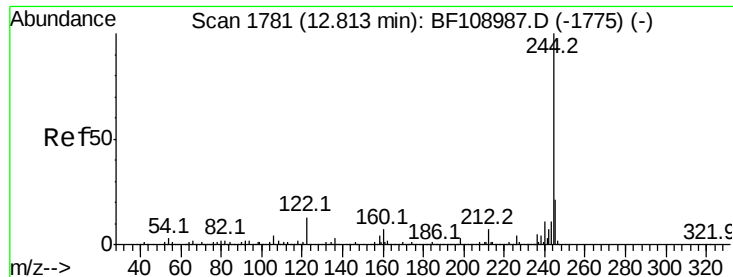


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.577 ng

RT: 12.81 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BF109116.D

Acq: 19 Sep 2018 00:32

Instrument :

BNA_F

ClientSampleId :

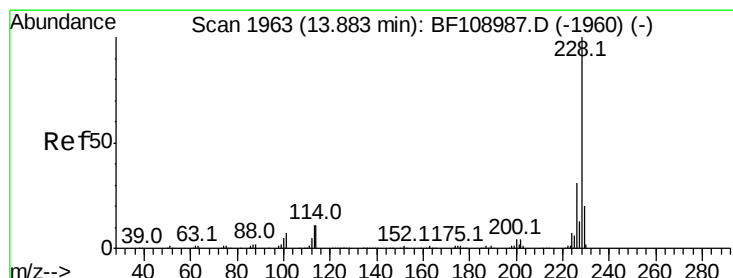
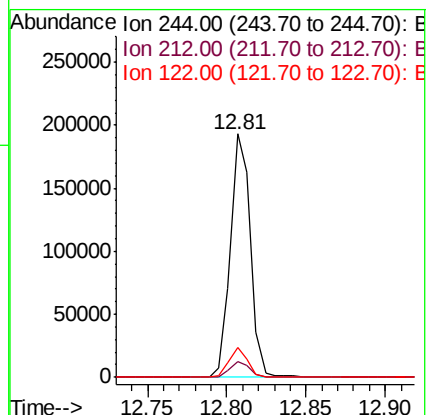
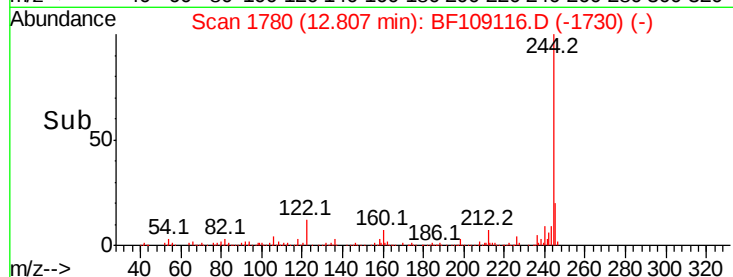
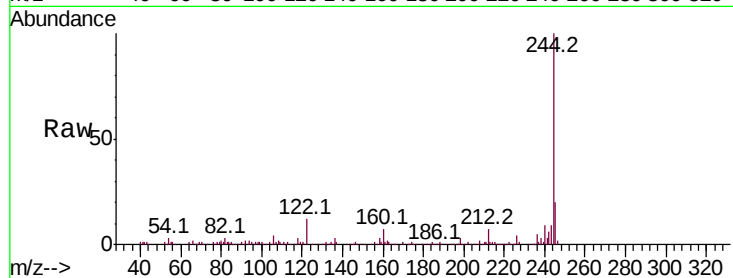
Tot Ion:244 Resp: 168599

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 12.5 11.0 16.4



#82

Chrysene

Concen: 2.165 ng

RT: 13.88 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BF109116.D

Acq: 19 Sep 2018 00:32

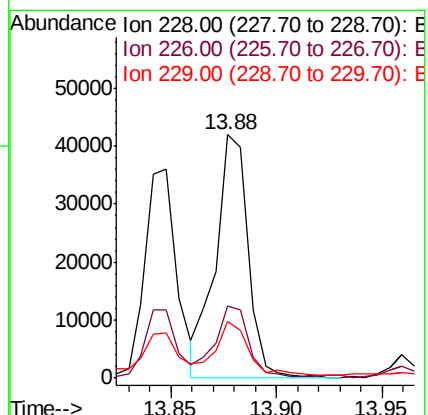
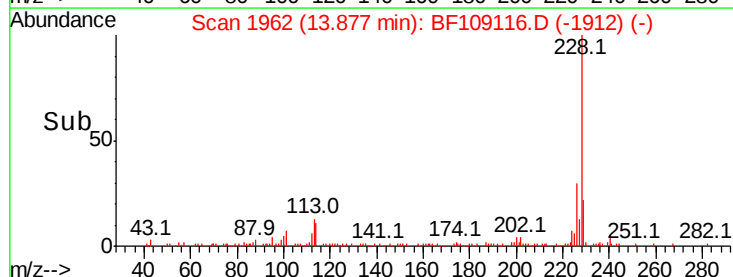
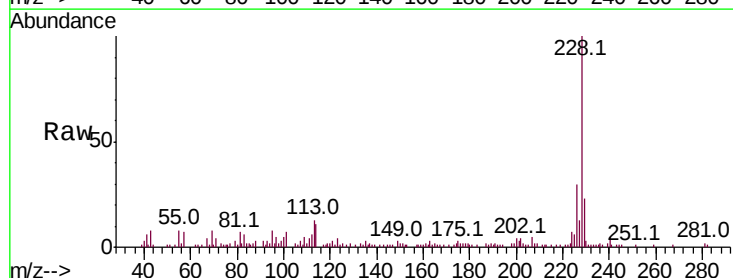
Tgt Ion:228 Resp: 45268

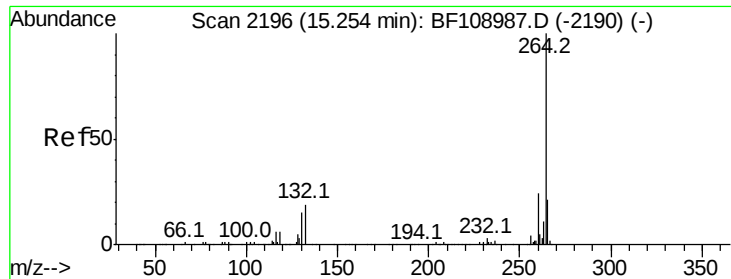
Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

229 23.1 16.2 24.4



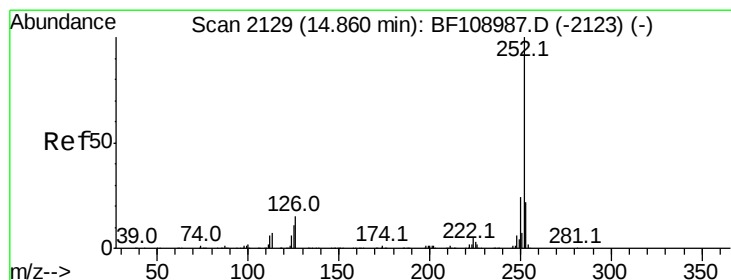
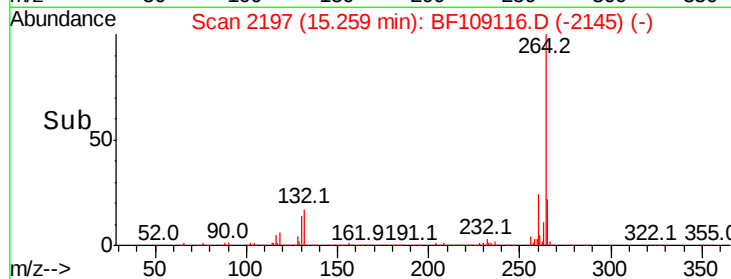
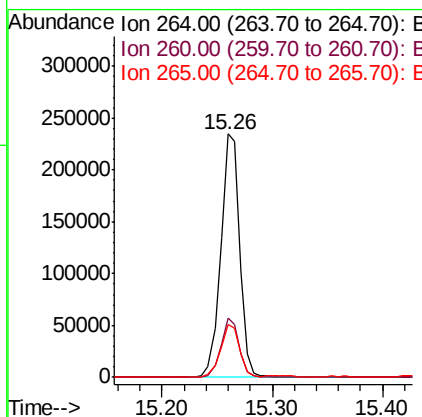
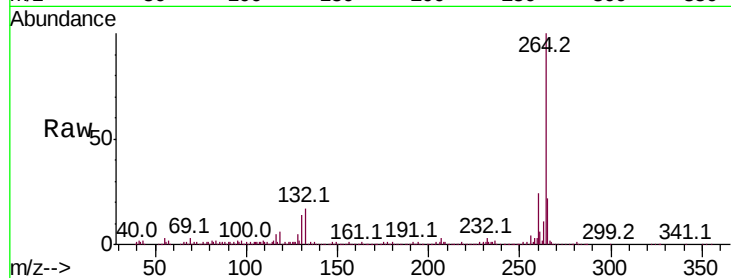


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF109116.D
Acq: 19 Sep 2018 00:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 280067

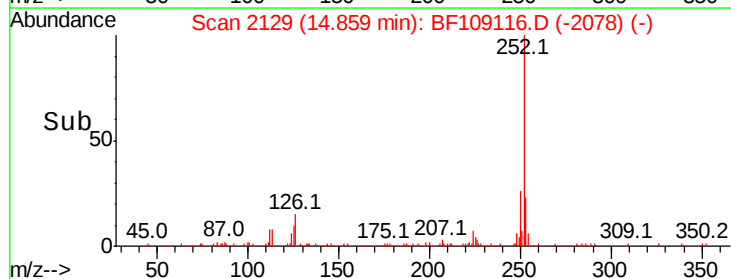
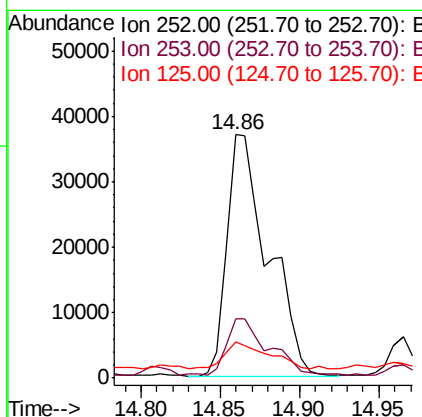
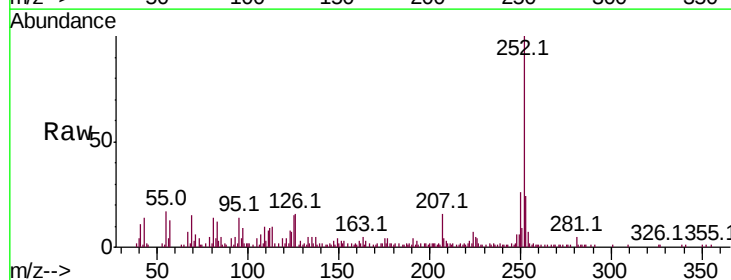
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.0	17.5	26.3

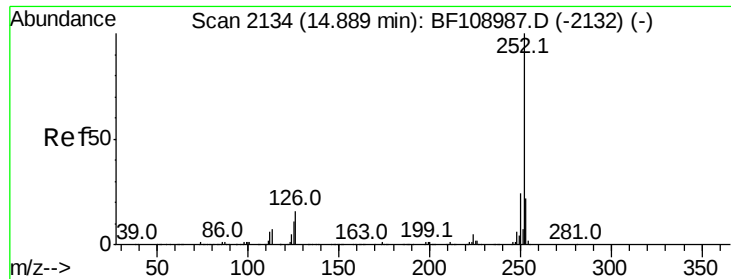


#87
Benzo(b)fluoranthene
Concen: 4.308 ng
RT: 14.86 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BF109116.D
Acq: 19 Sep 2018 00:32

Tgt Ion:252 Resp: 66746

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	14.8	9.0	13.6

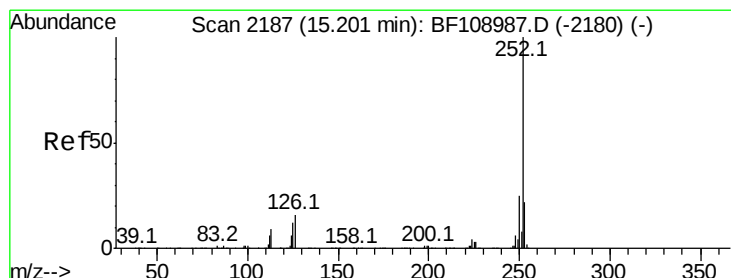
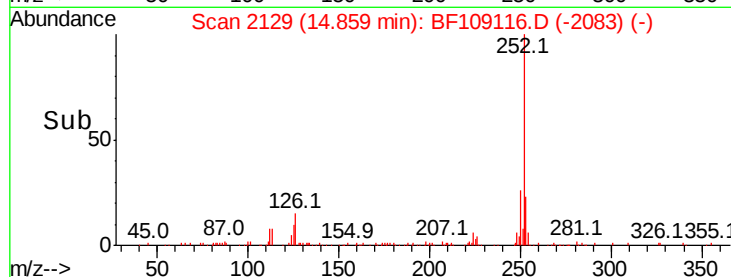
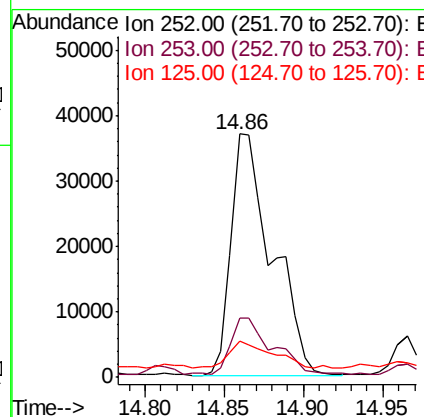
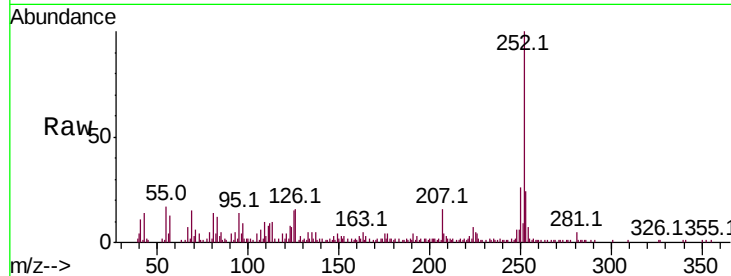




#88
Benzo(k)fluoranthene
Concen: 4.612 ng
RT: 14.86 min Scan# 2129
Delta R.T. -0.03 min
Lab File: BF109116.D
Acq: 19 Sep 2018 00:32

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	14.8	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.283 ng
RT: 15.20 min Scan# 2187
Delta R.T. -0.00 min
Lab File: BF109116.D
Acq: 19 Sep 2018 00:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	16.0	9.8	14.6

