

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091918\
 Data File : BF109145.D
 Acq On : 19 Sep 2018 16:02
 Operator : JU/SJ
 Sample : J4772-01RE 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 16:39:25 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	128931	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	444686	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	183686	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	328472	20.00	ng	0.00
75) Chrysene-d12	13.86	240	353494	20.00	ng	0.00
86) Perylene-d12	15.27	264	307953	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	170509	21.96	ng	0.00
7) Phenol-d6	6.35	99	218315	21.81	ng	0.00
23) Nitrobenzene-d5	7.28	82	114292	14.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	46154	23.15	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	233451	19.91	ng	0.00
78) Terphenyl-d14	12.81	244	228435	15.32	ng	0.00

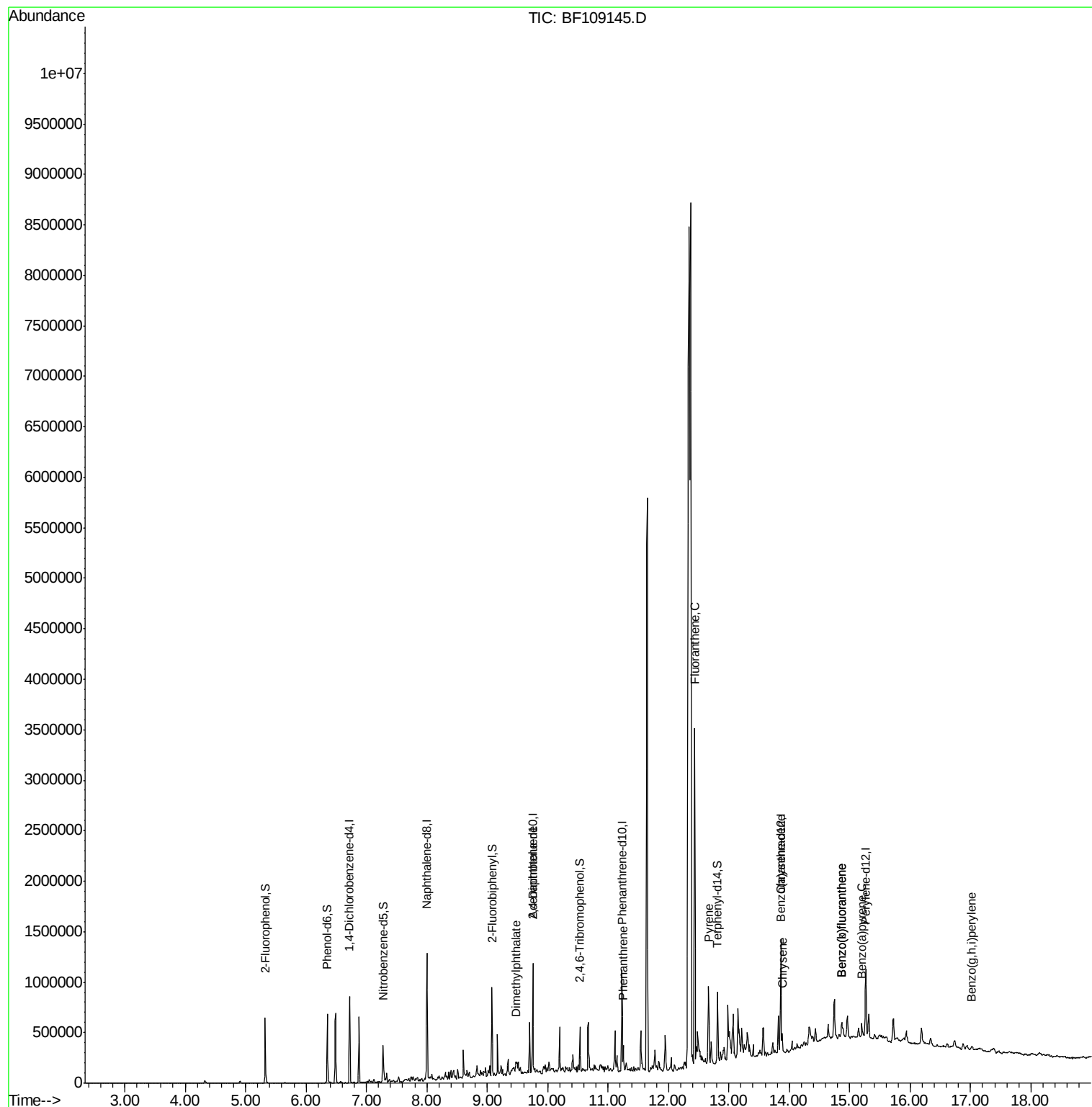
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.47	163	33012	2.514	ng	# 97
56) 2,4-Dinitrotoluene	9.75	165	24978	6.560	ng	# 24
70) Phenanthrene	11.25	178	81082	5.036	ng	99
74) Fluoranthene	12.44	202	146645	8.627	ng	97
77) Pyrene	12.67	202	151495	5.770	ng	99
80) Benzo(a)anthracene	13.85	228	82019	3.832	ng	97
82) Chrysene	13.88	228	68183	3.184	ng	98
87) Benzo(b)fluoranthene	14.87	252	106545	6.254	ng	# 92
88) Benzo(k)fluoranthene	14.87	252	106545	6.696	ng	# 95
89) Benzo(a)pyrene	15.21	252	52734	3.485	ng	# 93
91) Benzo(g,h,i)perylene	17.02	276	25477	2.005	ng	95

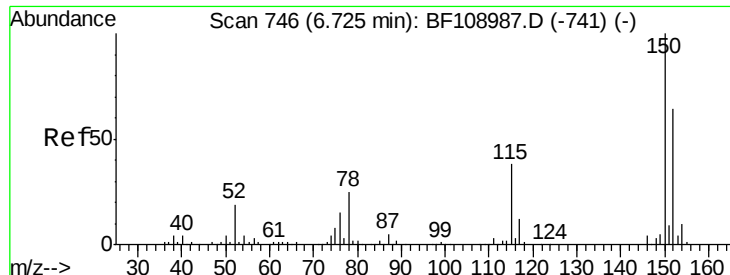
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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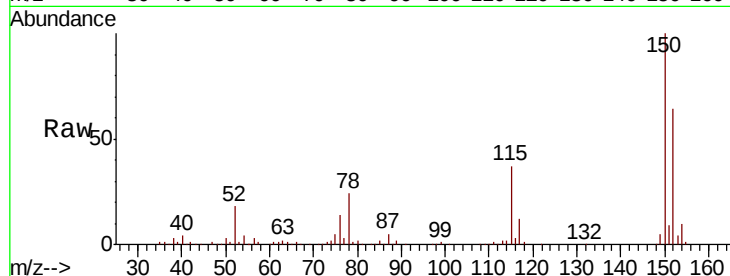


#1

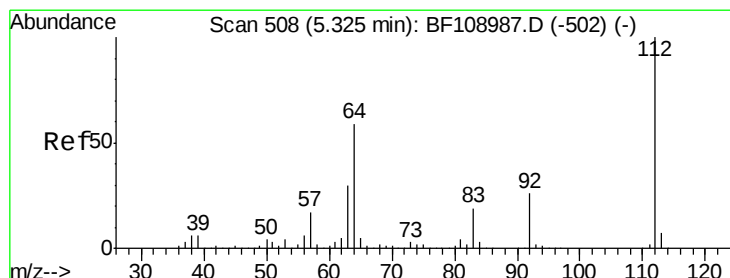
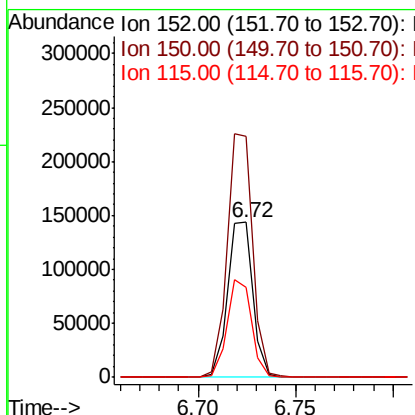
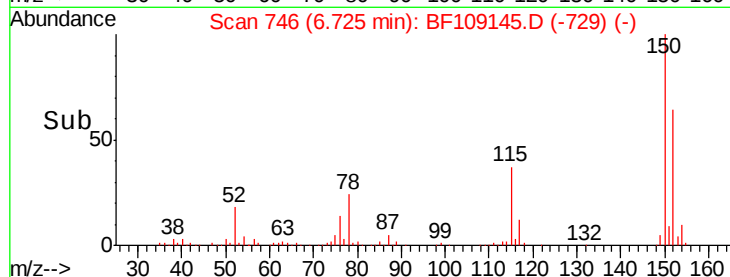
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 746
Delta R.T. -0.00 min
Lab File: BF109145.D
Acq: 19 Sep 2018 16:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 128931
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 57.8 50.1 75.1



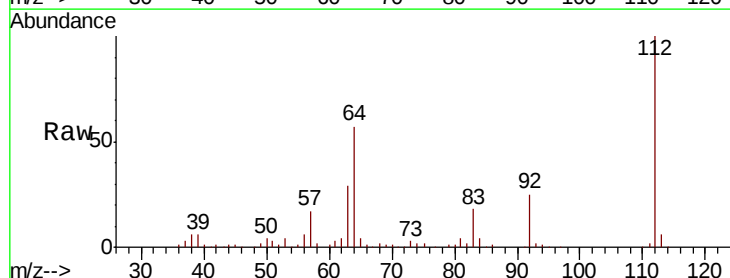
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



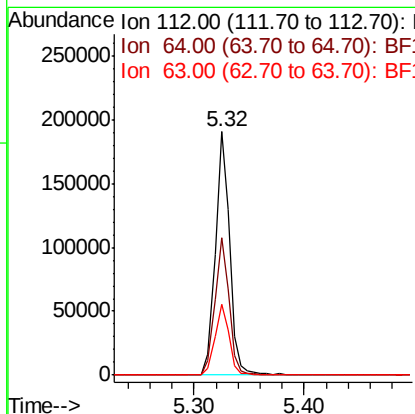
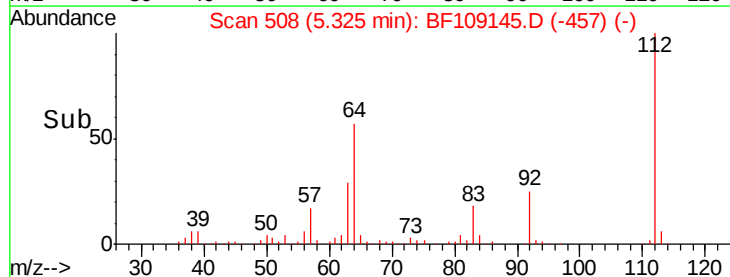
#5

2-Fluorophenol
Concen: 21.965 ng
RT: 5.32 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF109145.D
Acq: 19 Sep 2018 16:02

Tgt Ion:112 Resp: 170509
Ion Ratio Lower Upper
112 100
64 56.5 47.9 71.9
63 29.2 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: 21.810 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109145.D

Acq: 19 Sep 2018 16:02

Instrument :

BNA_F

ClientSampleId :

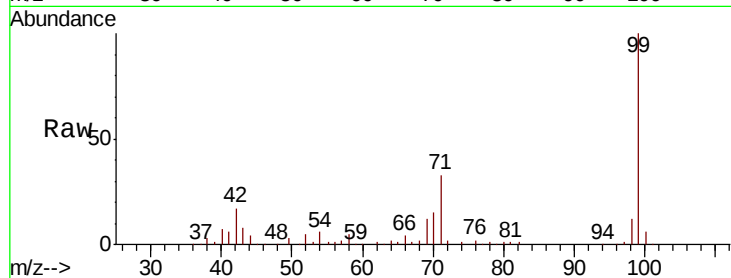
Tot Ion: 99 Resp: 218315

Ion Ratio Lower Upper

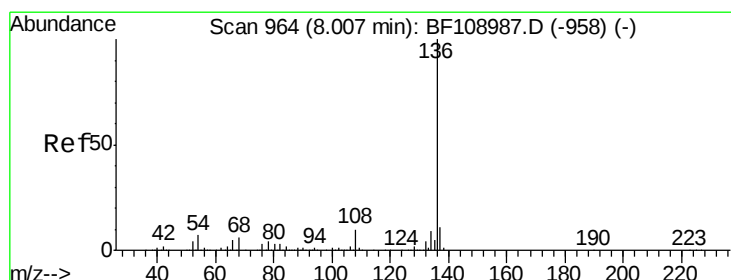
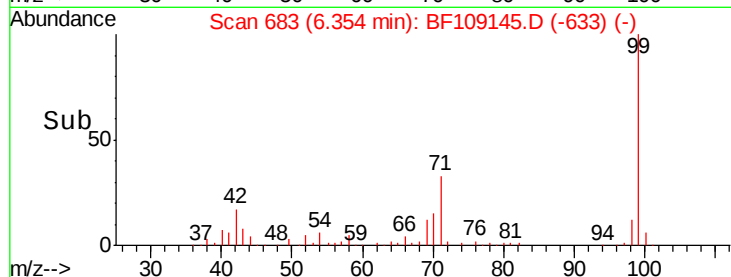
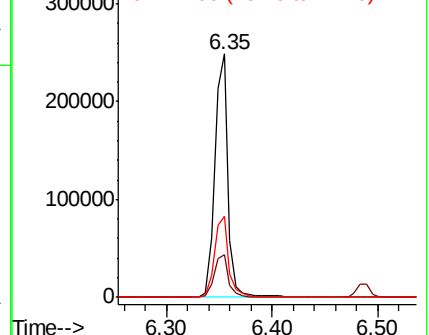
99 100

42 17.4 14.5 21.7

71 33.1 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: 8.00 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF109145.D

Acq: 19 Sep 2018 16:02

Tgt Ion: 136 Resp: 444686

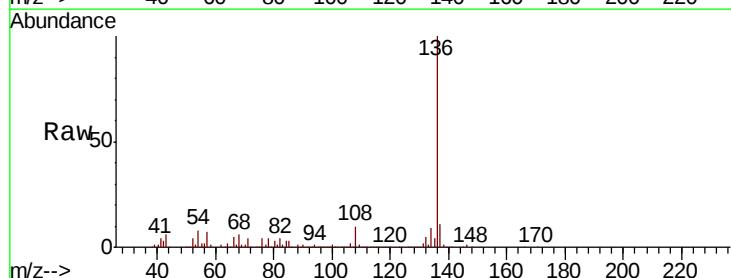
Ion Ratio Lower Upper

136 100

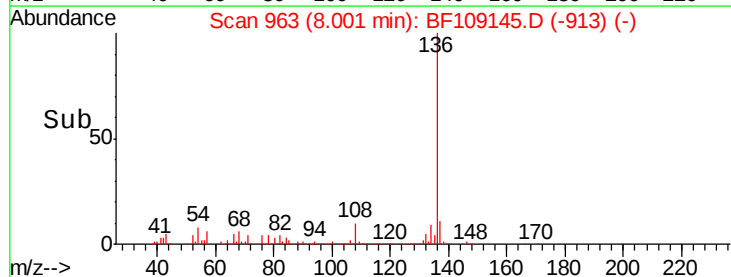
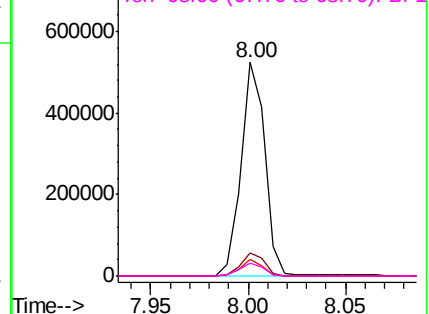
137 11.1 8.9 13.3

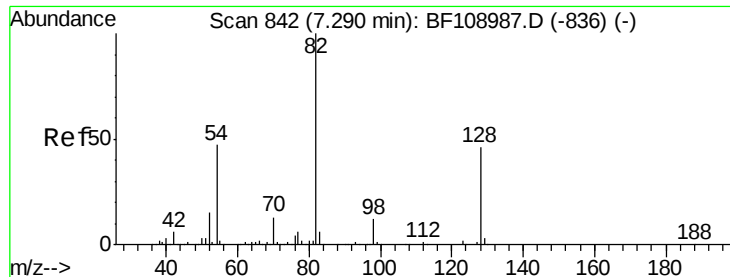
54 7.8 6.6 9.8

68 5.9 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

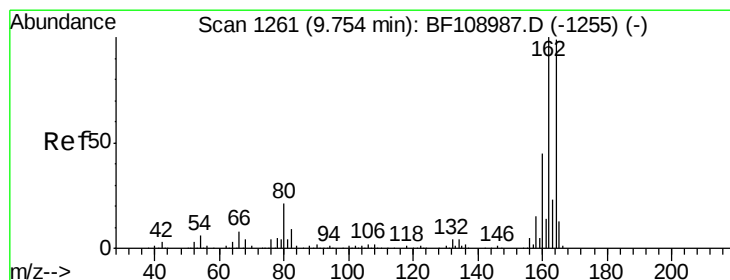
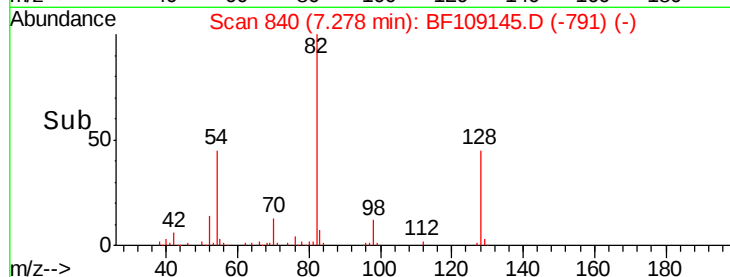
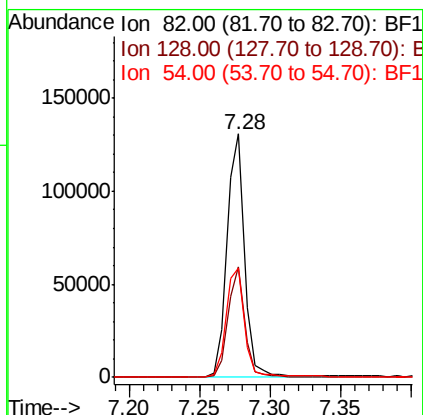
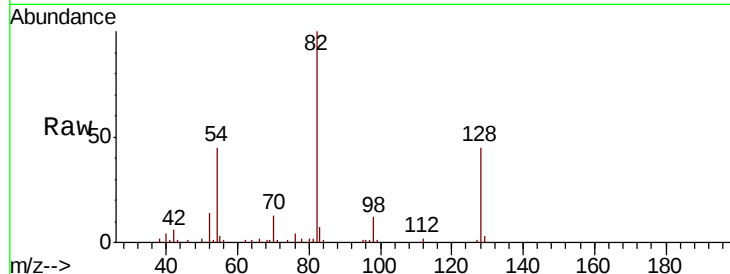




#23
Nitrobenzene-d5
Concen: 14.416 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF109145.D
Acq: 19 Sep 2018 16:02

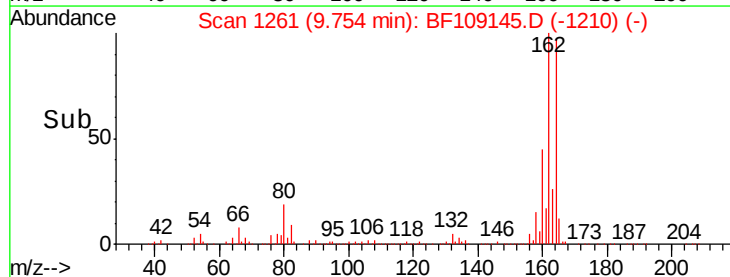
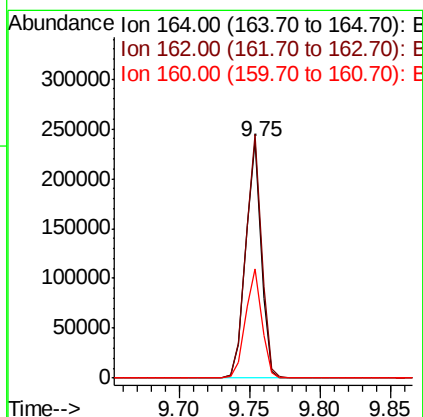
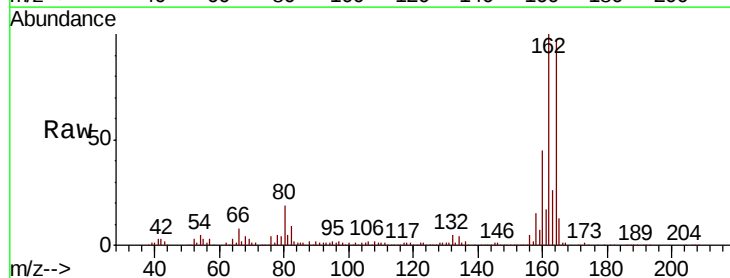
Instrument :
BNA_F
ClientSampleId :

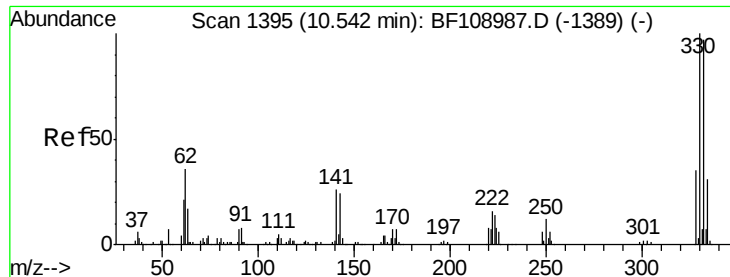
Tot Ion	82	Resp	114292
Ion Ratio	Lower	Upper	
82	100		
128	45.3	36.1	54.1
54	45.1	41.4	62.2



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BF109145.D
Acq: 19 Sep 2018 16:02

Tgt Ion	164	Resp	183686
Ion Ratio	Lower	Upper	
164	100		
162	102.7	86.1	129.1
160	46.2	38.3	57.5

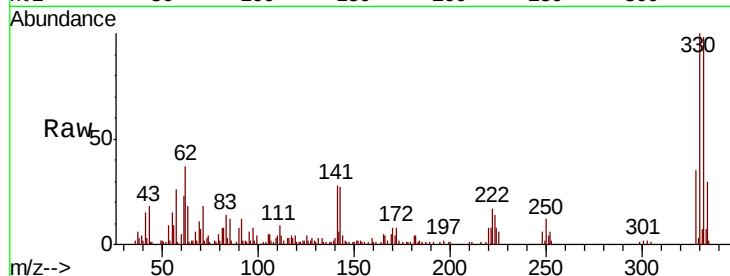




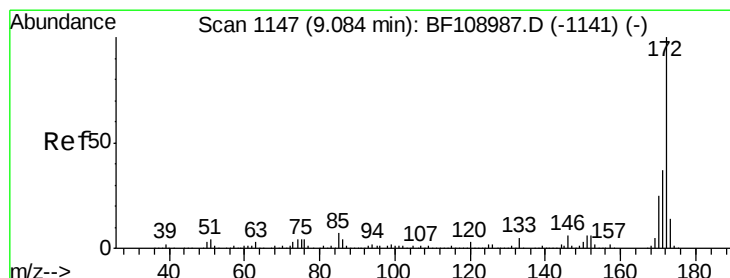
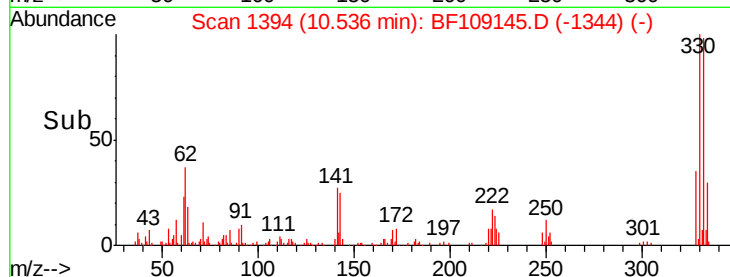
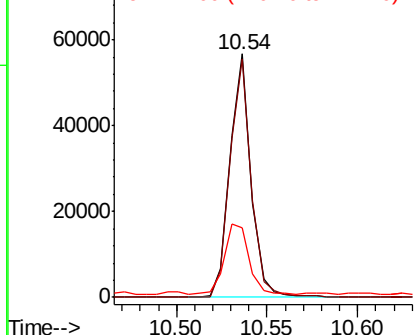
#41
 2,4,6-Tribromophenol
 Concen: 23.152 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109145.D
 Acq: 19 Sep 2018 16:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.0	115.6
141	33.9	29.9	44.9

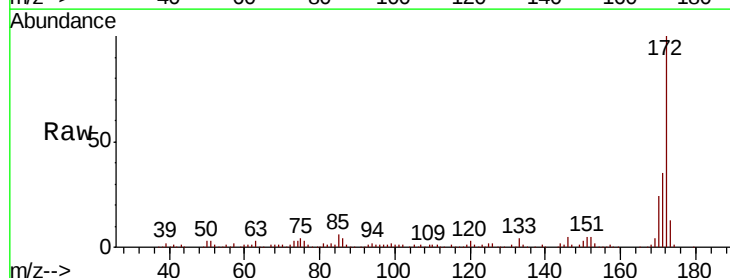


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

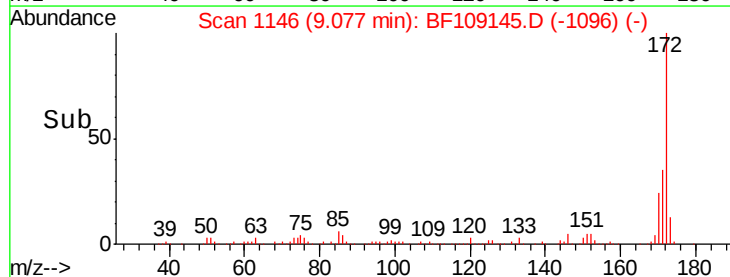
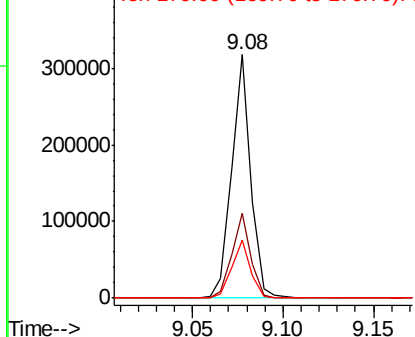


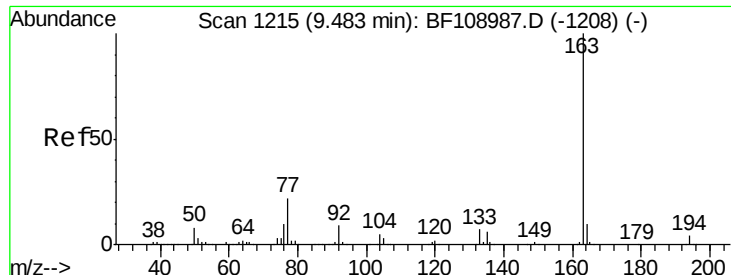
#44
 2-Fluorobiphenyl
 Concen: 19.912 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109145.D
 Acq: 19 Sep 2018 16:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	23.6	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

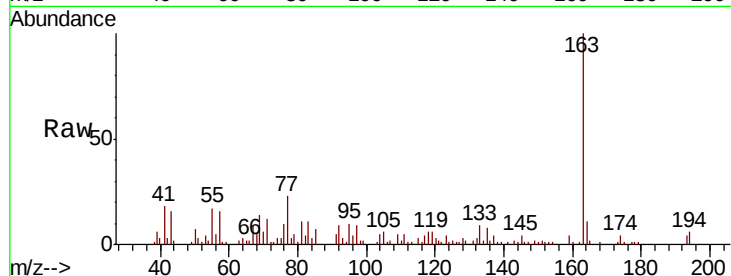




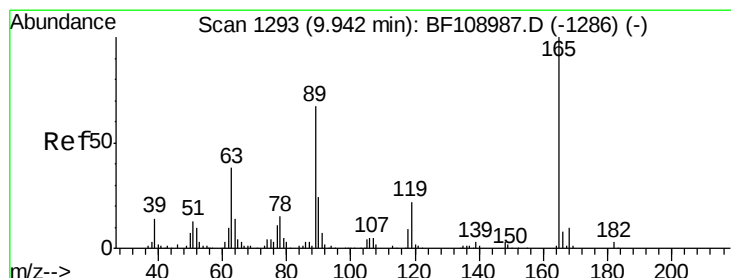
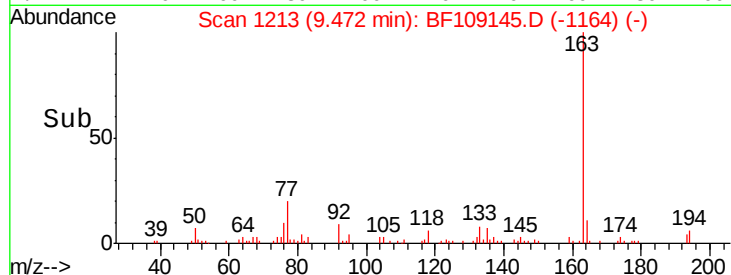
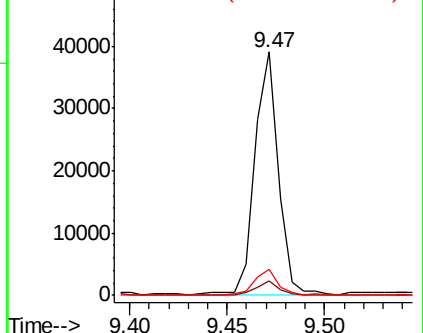
#49
Dimethylphthalate
Concen: 2.514 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF109145.D
Acq: 19 Sep 2018 16:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 33012
Ion Ratio Lower Upper
163 100
194 6.0 2.7 4.1#
164 10.7 8.2 12.2

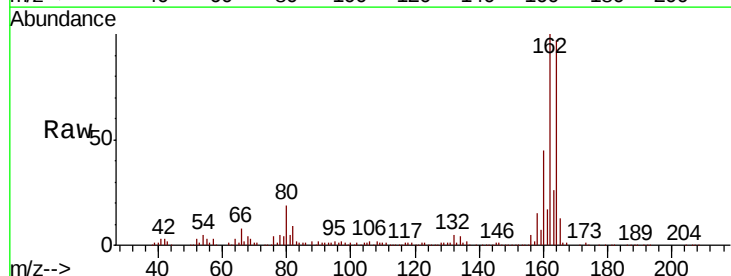


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

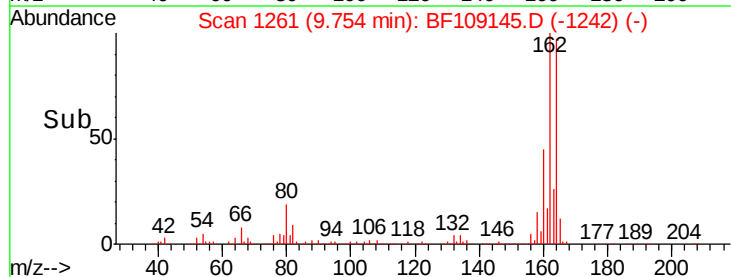
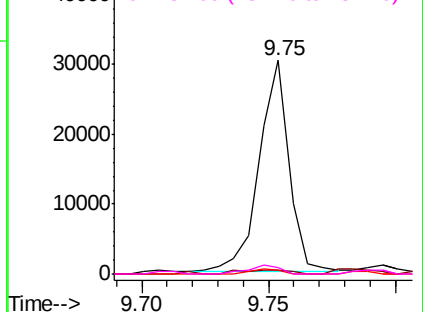


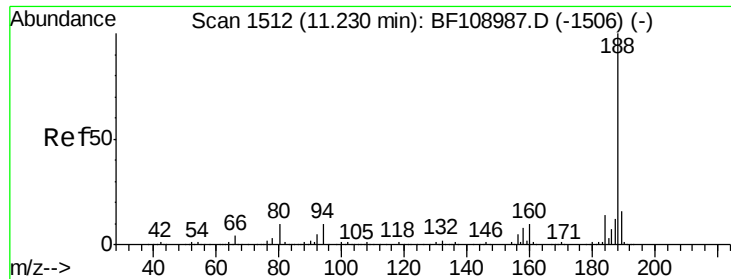
#56
2,4-Dinitrotoluene
Concen: 6.560 ng
RT: 9.75 min Scan# 1261
Delta R.T. -0.19 min
Lab File: BF109145.D
Acq: 19 Sep 2018 16:02

Tgt Ion:165 Resp: 24978
Ion Ratio Lower Upper
165 100
63 2.0 36.4 54.6#
89 2.0 57.8 86.6#
182 2.7 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

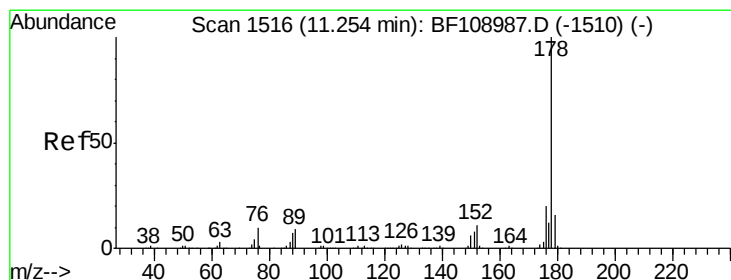
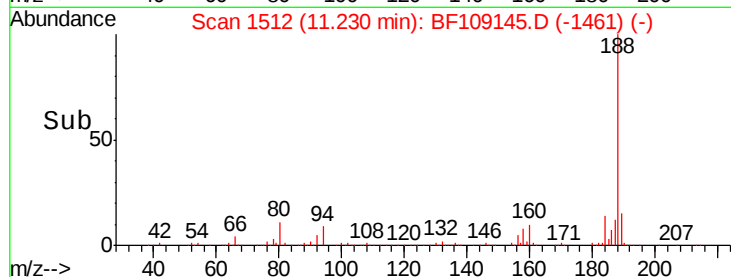
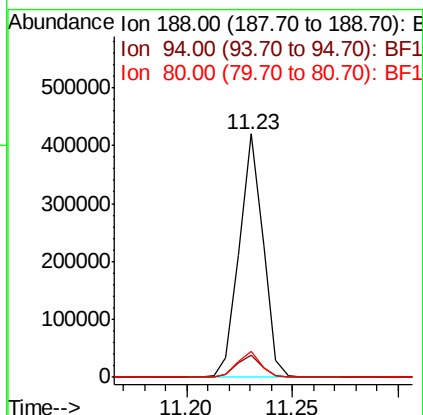
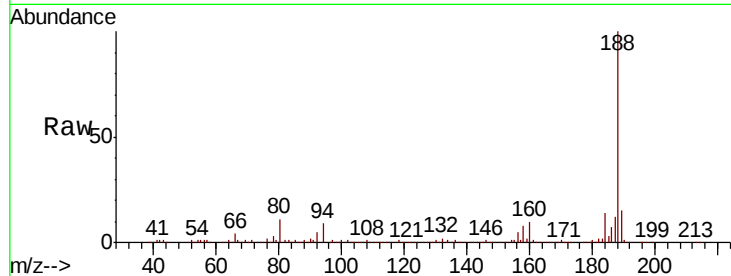




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BF109145.D
Acq: 19 Sep 2018 16:02

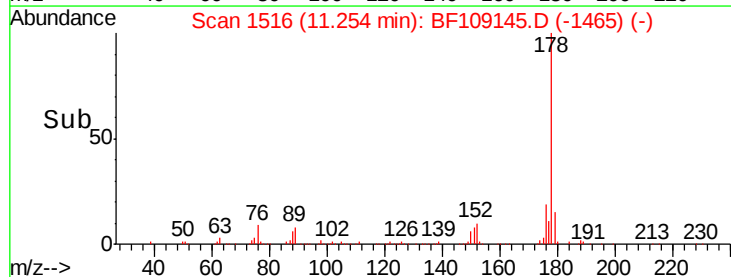
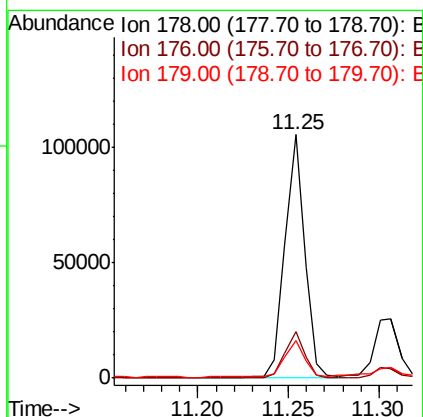
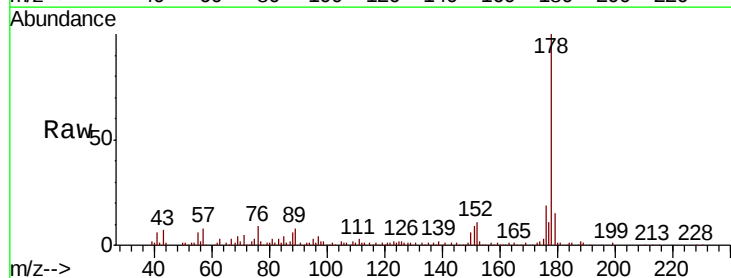
Instrument :
BNA_F
ClientSampled :

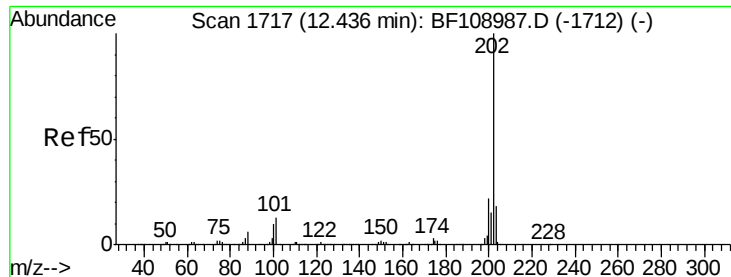
Tot Ion:188 Resp: 328472
Ion Ratio Lower Upper
188 100
94 9.2 8.5 12.7
80 10.7 9.2 13.8



#70
Phenanthrene
Concen: 5.036 ng
RT: 11.25 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF109145.D
Acq: 19 Sep 2018 16:02

Tgt Ion:178 Resp: 81082
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.5 13.0 19.6





#74

Fluoranthene

Concen: 8.627 ng

RT: 12.44 min Scan# 1718

Delta R.T. 0.01 min

Lab File: BF109145.D

Acq: 19 Sep 2018 16:02

Instrument :

BNA_F

ClientSampleId :

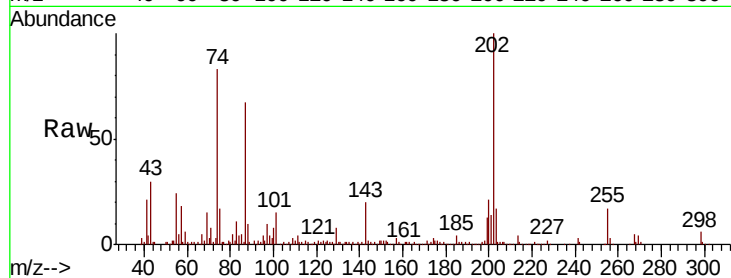
Tot Ion:202 Resp: 146645

Ion Ratio Lower Upper

202 100

101 15.4 0.0 34.1

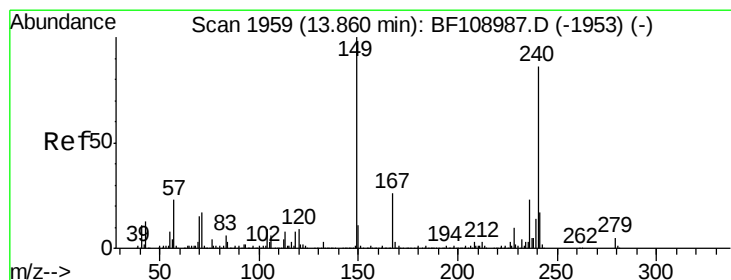
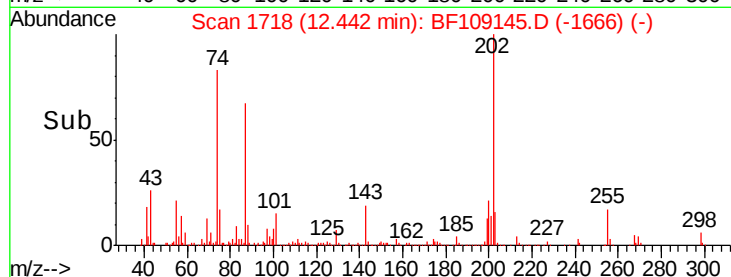
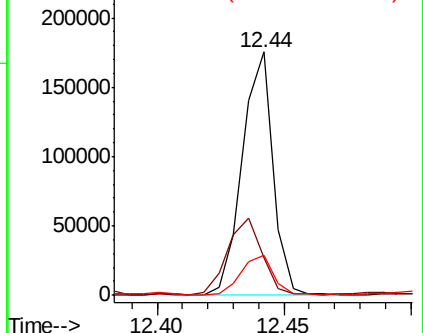
203 16.6 0.0 38.1



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: 13.86 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BF109145.D

Acq: 19 Sep 2018 16:02

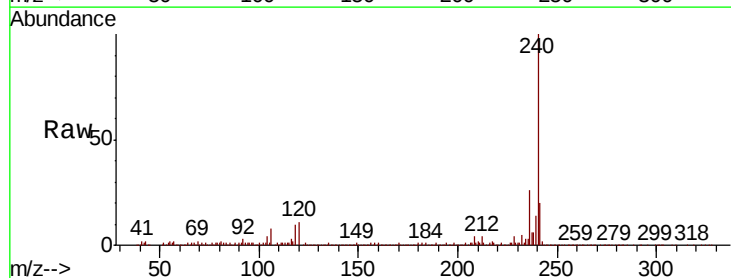
Tgt Ion:240 Resp: 353494

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

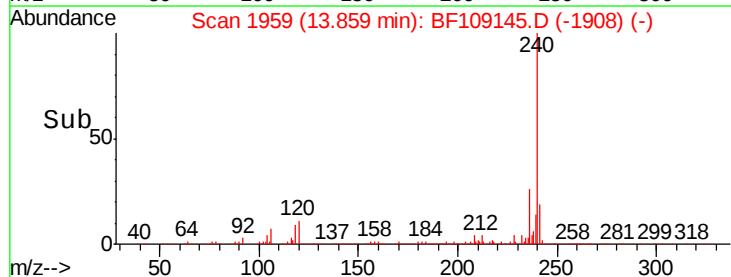
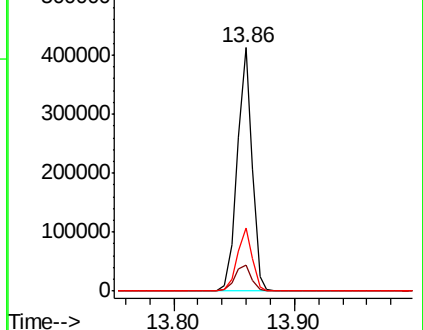
236 26.0 20.7 31.1

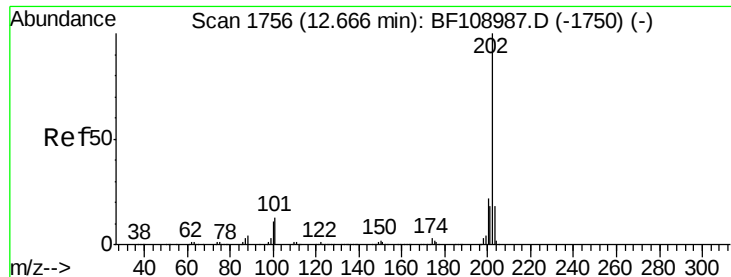


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.770 ng

RT: 12.67 min Scan# 1756

Delta R.T. -0.00 min

Lab File: BF109145.D

Acq: 19 Sep 2018 16:02

Instrument :

BNA_F

ClientSampleId :

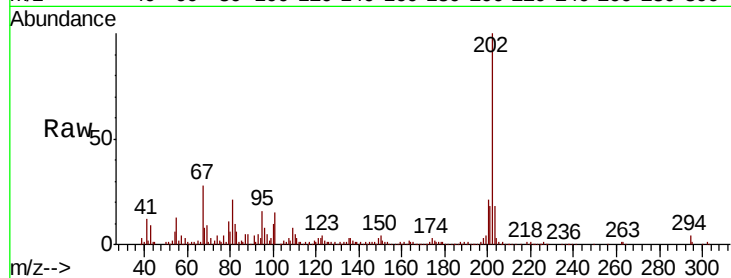
Tot Ion:202 Resp: 151495

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

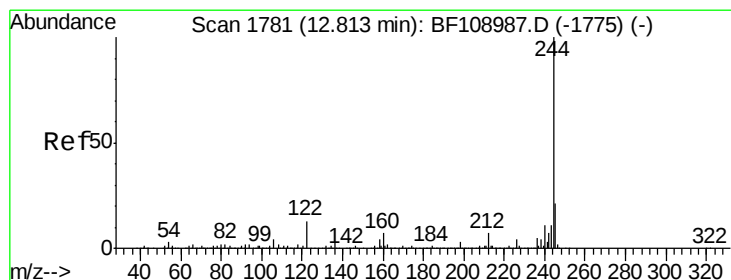
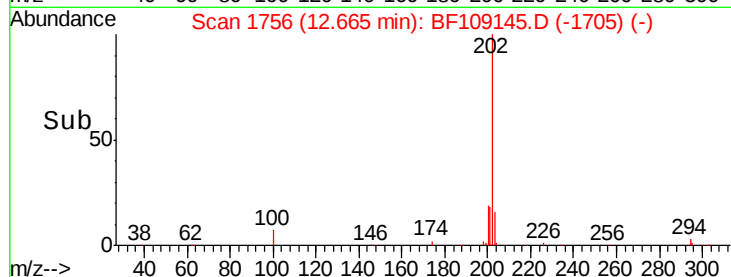
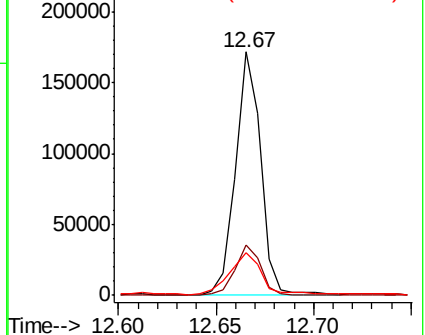
203 17.6 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 15.317 ng

RT: 12.81 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BF109145.D

Acq: 19 Sep 2018 16:02

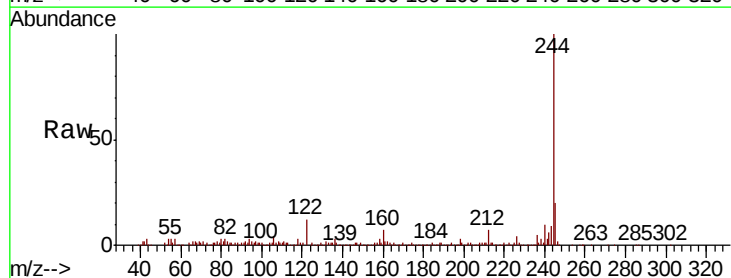
Tgt Ion:244 Resp: 228435

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

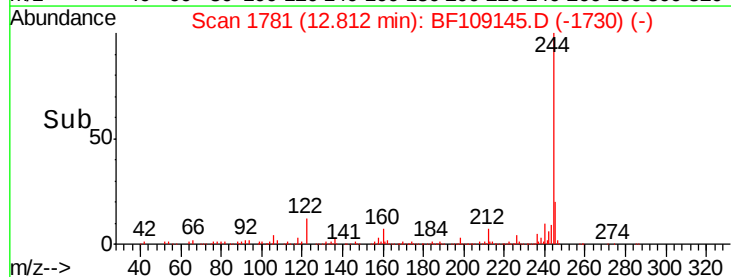
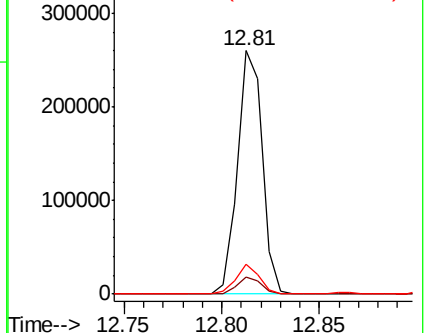
122 12.3 11.0 16.4

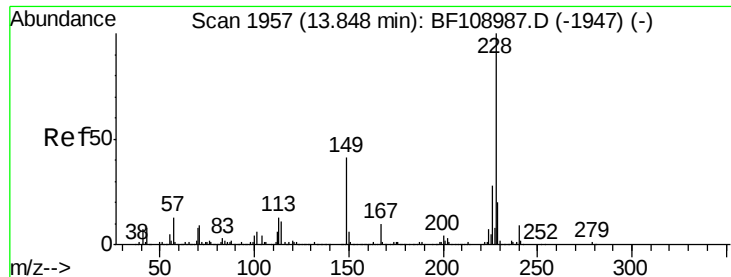


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.832 ng

RT: 13.85 min Scan# 1957

Delta R.T. -0.00 min

Lab File: BF109145.D

Acq: 19 Sep 2018 16:02

Instrument :

BNA_F

ClientSampled :

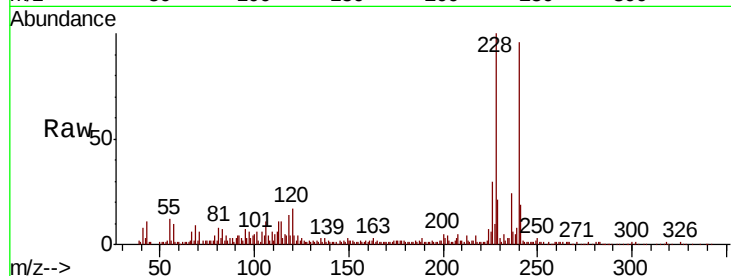
Tot Ion:228 Resp: 82019

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

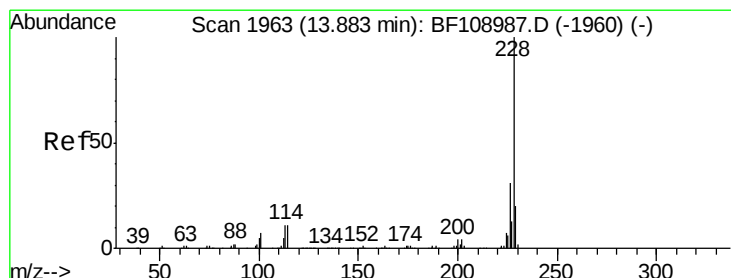
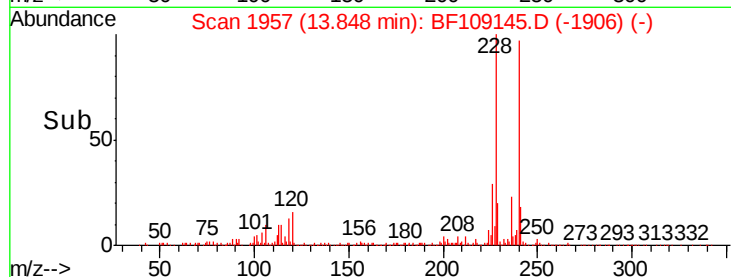
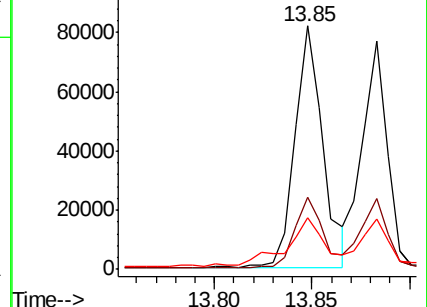
229 21.0 15.8 23.6



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: 3.184 ng

RT: 13.88 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BF109145.D

Acq: 19 Sep 2018 16:02

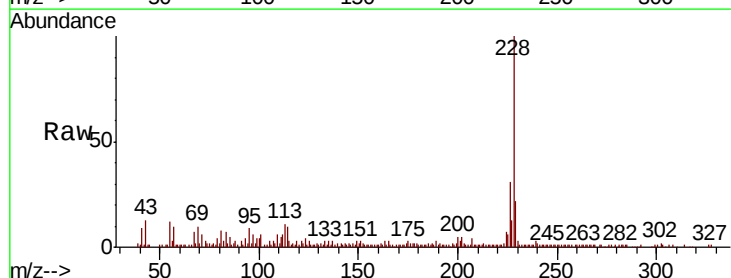
Tgt Ion:228 Resp: 68183

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

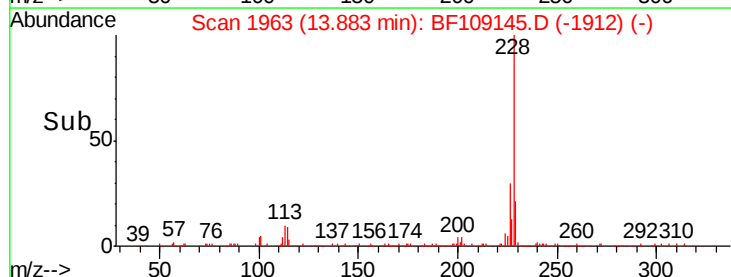
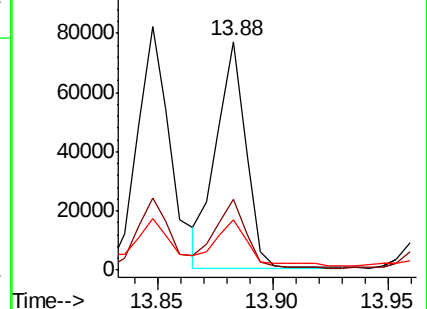
229 22.2 16.2 24.4

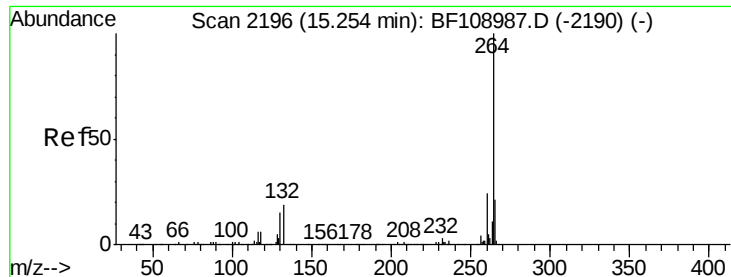


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

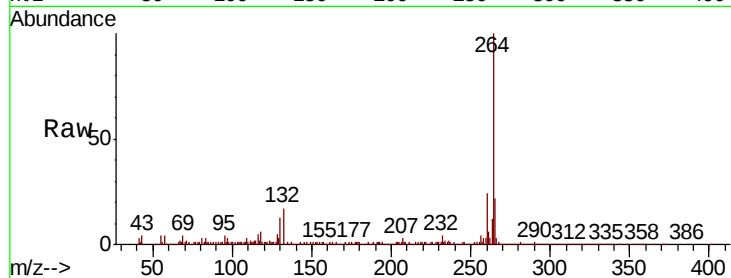




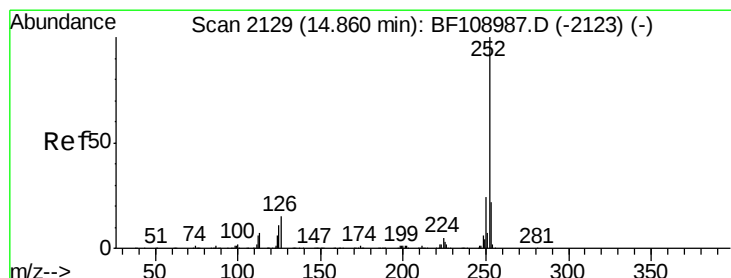
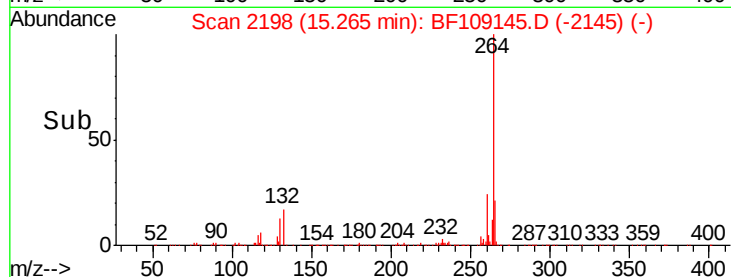
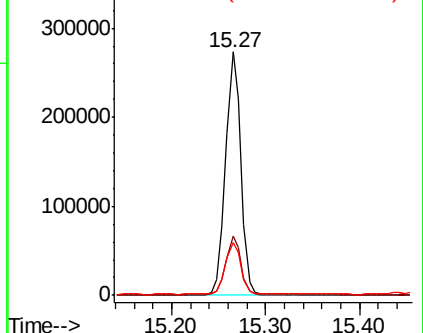
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF109145.D
Acq: 19 Sep 2018 16:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 307953
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.6 17.5 26.3

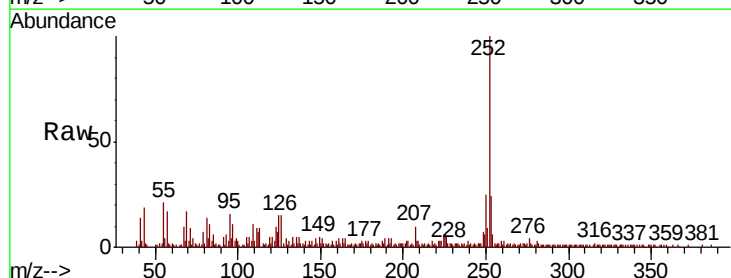


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

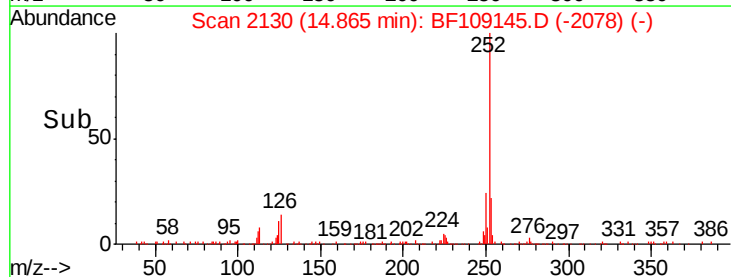
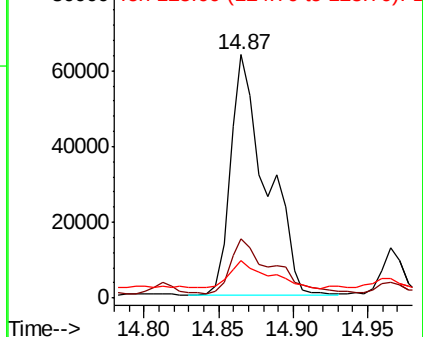


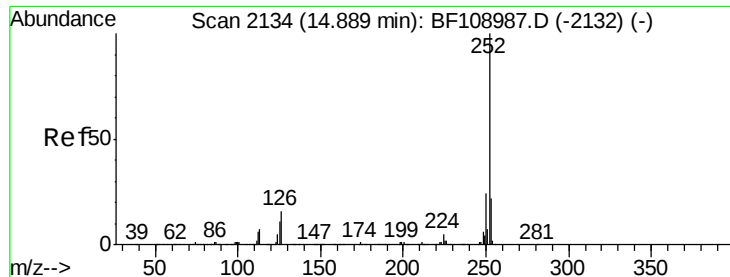
#87
Benzo(b)fluoranthene
Concen: 6.254 ng
RT: 14.87 min Scan# 2130
Delta R.T. 0.01 min
Lab File: BF109145.D
Acq: 19 Sep 2018 16:02

Tgt Ion:252 Resp: 106545
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.6
125 15.4 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

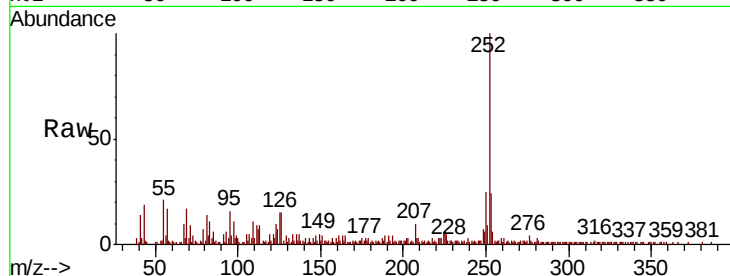




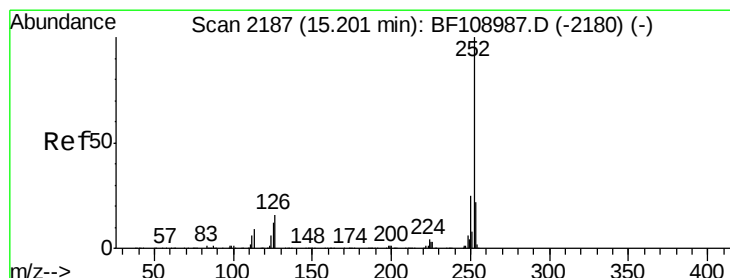
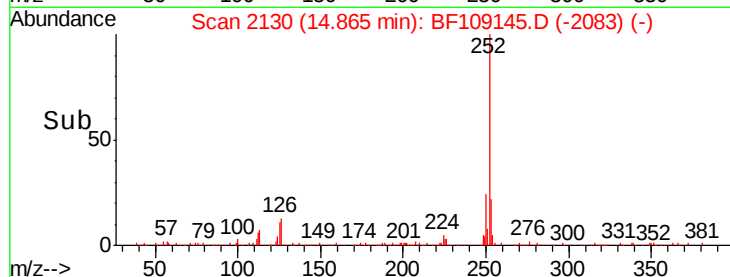
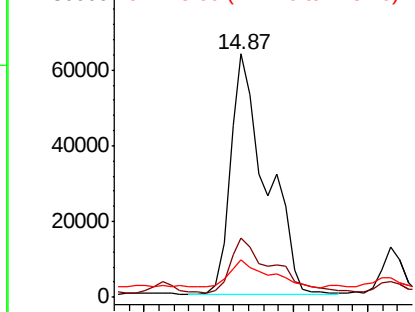
#88
Benzo(k)fluoranthene
Concen: 6.696 ng
RT: 14.87 min Scan# 2130
Delta R.T. -0.02 min
Lab File: BF109145.D
Acq: 19 Sep 2018 16:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	15.4	10.2	15.2

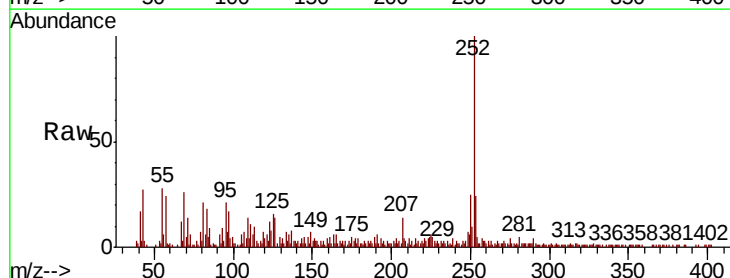


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

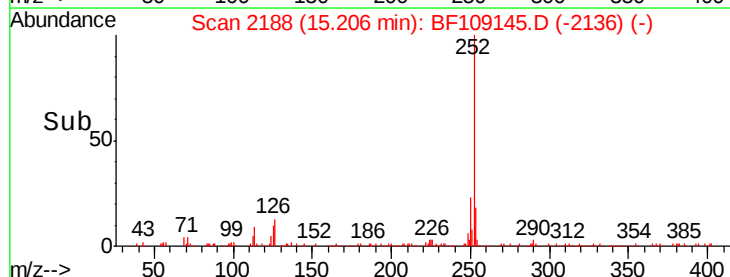
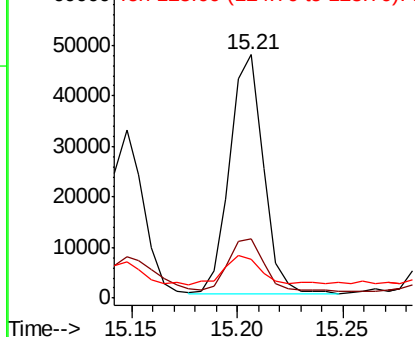


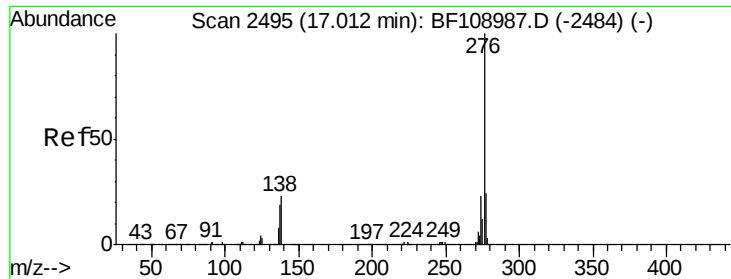
#89
Benzo(a)pyrene
Concen: 3.485 ng
RT: 15.21 min Scan# 2188
Delta R.T. 0.01 min
Lab File: BF109145.D
Acq: 19 Sep 2018 16:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	16.1	9.8	14.6



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

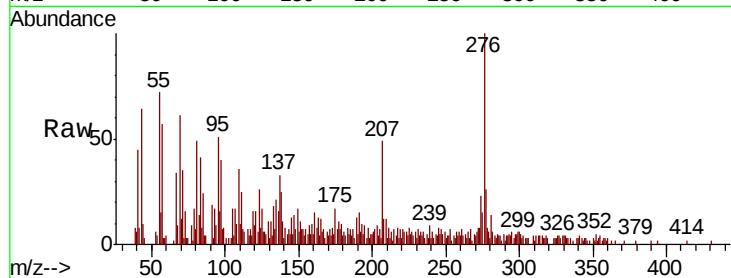




#91
 Benzo(a,h,i)perylene
 Concen: 2.005 ng
 RT: 17.02 min Scan# 2497
 Delta R.T. 0.01 min
 Lab File: BF109145.D
 Acq: 19 Sep 2018 16:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 25477
 Ion Ratio Lower Upper
 276 100
 277 25.5 17.9 26.9
 138 25.3 21.8 32.8



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

