

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
 Data File : BF111907.D
 Acq On : 8 Jan 2019 15:20
 Operator : JU/SJ
 Sample : K1012-03RE 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 08 17:55:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

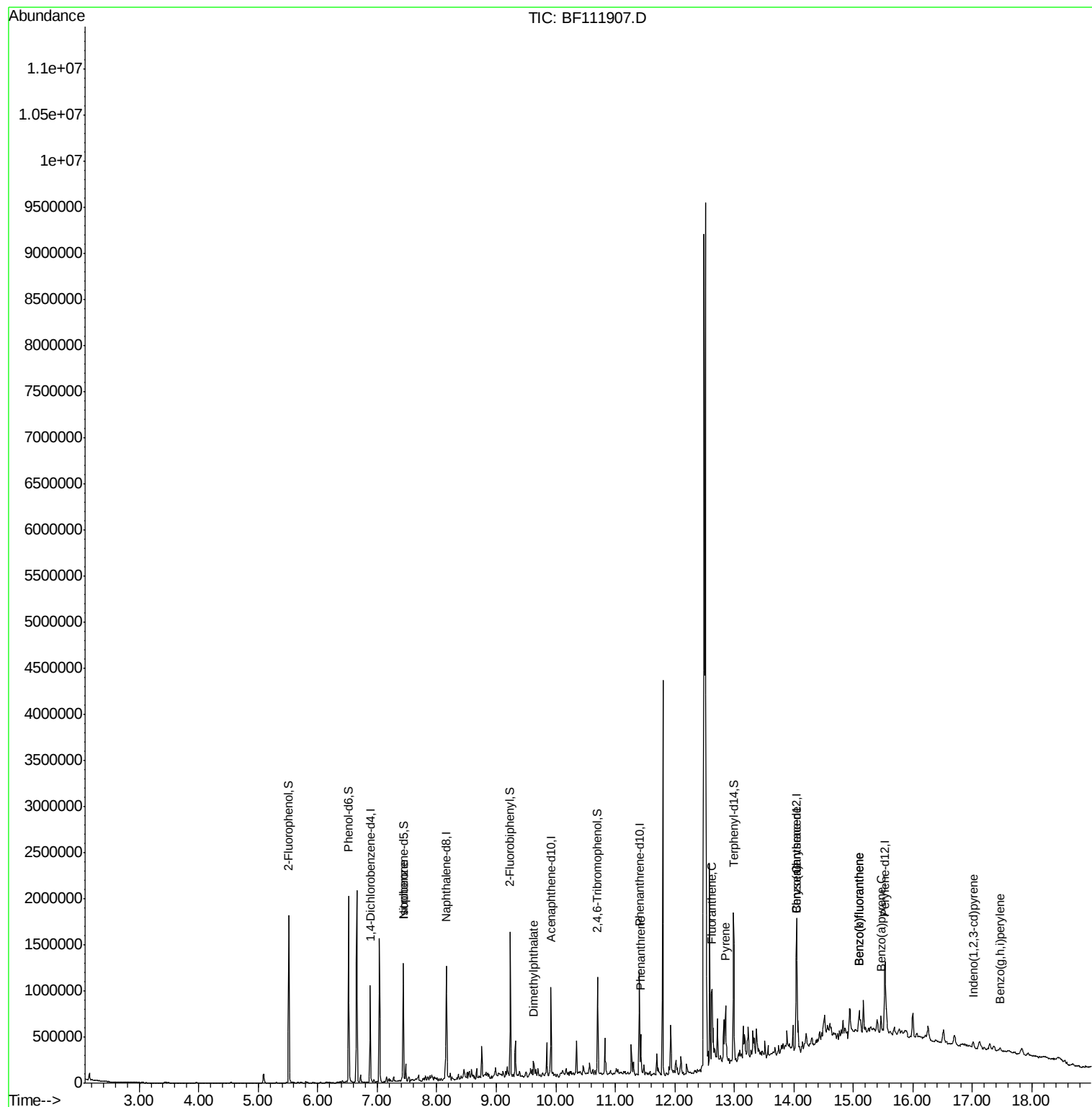
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	148544	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	517444	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	197220	20.00	ng	-0.02
64) Phenanthrene-d10	11.40	188	374181	20.00	ng	-0.01
76) Chrysene-d12	14.04	240	430124	20.00	ng	-0.01
87) Perylene-d12	15.53	264	374265	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	479238	55.19	ng	0.00
7) Phenol-d6	6.52	99	570464	50.98	ng	-0.01
23) Nitrobenzene-d5	7.44	82	379316	39.18	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	122825	47.88	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	491741	36.36	ng	-0.02
79) Terphenyl-d14	12.99	244	534381	23.58	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.52	77	1273	Below Cal		Qvalue # 1
25) Isophorone	7.44	82	373720	23.837	ng	# 65
50) Dimethylphthalate	9.63	163	35970	2.428	ng	# 97
71) Phenanthrene	11.43	178	148845	7.440	ng	99
75) Fluoranthene	12.62	202	268972	13.097	ng	98
78) Pyrene	12.85	202	272877	9.220	ng	98
81) Benzo(a)anthracene	14.03	228	145597	5.882	ng	98
83) Chrysene	14.03	228	145597	6.169	ng	98
86) Indeno(1,2,3-cd)pyrene	17.02	276	39710	2.308	ng	96
88) Benzo(b)fluoranthene	15.09	252	177429	7.925	ng	# 90
89) Benzo(k)fluoranthene	15.09	252	177429	8.431	ng	# 92
90) Benzo(a)pyrene	15.46	252	92769	4.713	ng	# 90
92) Benzo(a,h,i)perylene	17.46	276	33289	2.150	ng	# 91

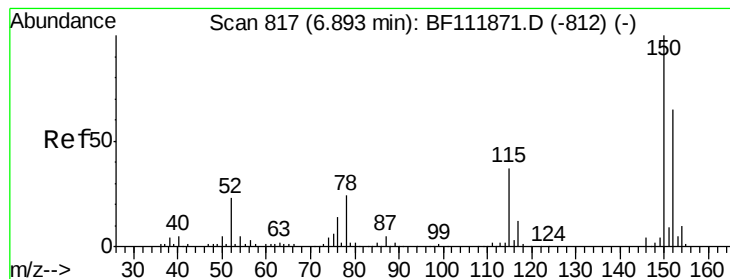
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111907.D
Acq On : 8 Jan 2019 15:20
Operator : JU/SJ
Sample : K1012-03RE 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 08 17:55:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 07 14:33:51 2019
Response via : Initial Calibration



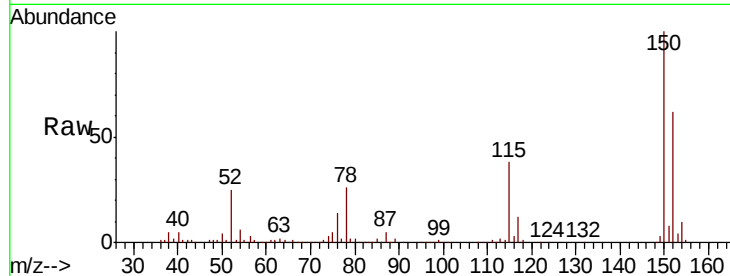


#1

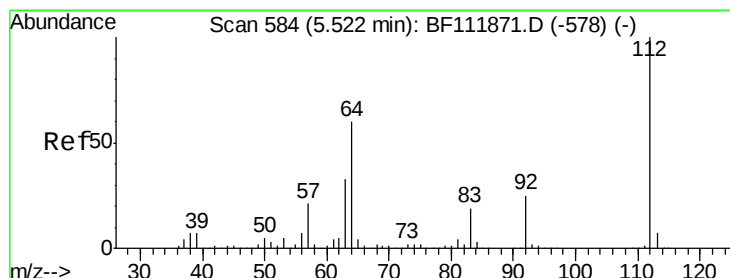
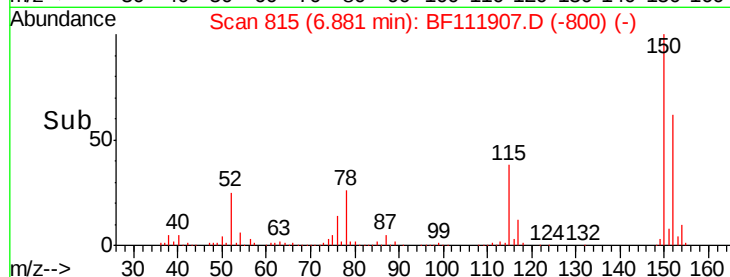
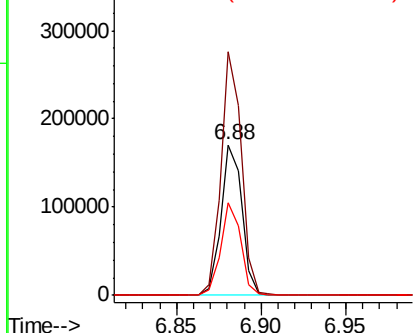
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 148544
Ion Ratio Lower Upper
152 100
150 161.6 122.7 184.1
115 61.4 45.2 67.8



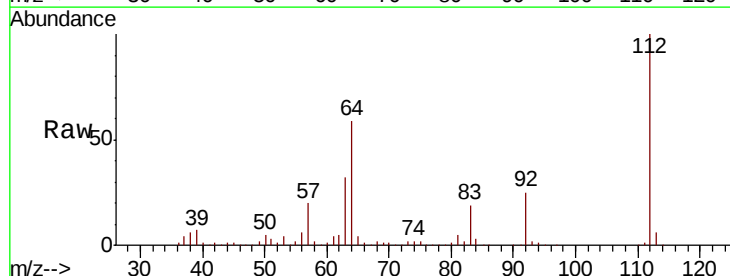
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



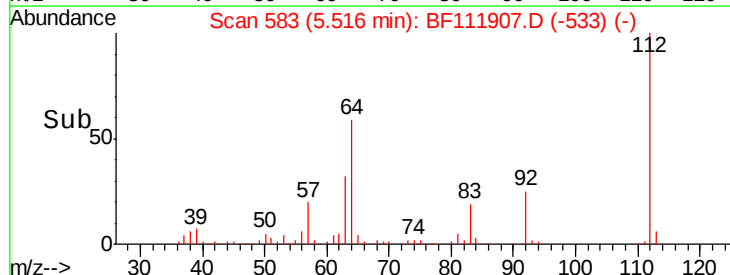
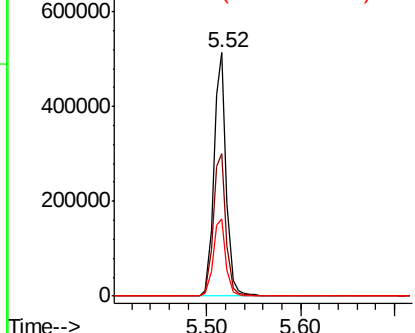
#5

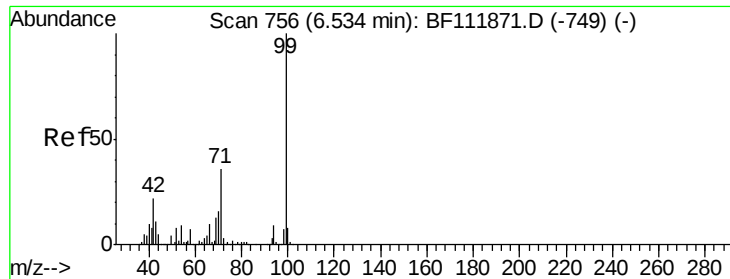
2-Fluorophenol
Concen: 55.195 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Tgt Ion:112 Resp: 479238
Ion Ratio Lower Upper
112 100
64 58.7 48.3 72.5
63 31.9 26.1 39.1



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: 50.976 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111907.D

Acq: 8 Jan 2019 15:20

Instrument :

BNA_F

ClientSampleId :

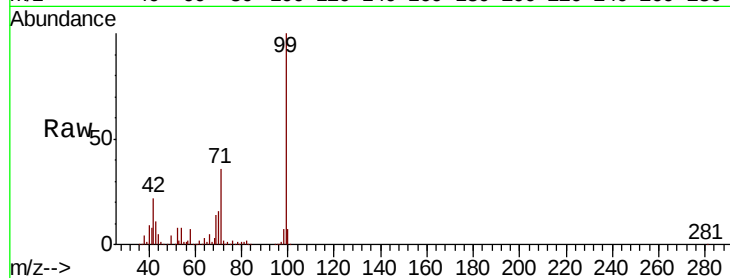
Tot Ion: 99 Resp: 570464

Ion Ratio Lower Upper

99 100

42 21.9 17.9 26.9

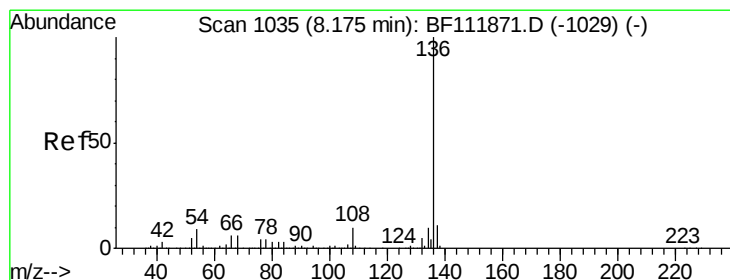
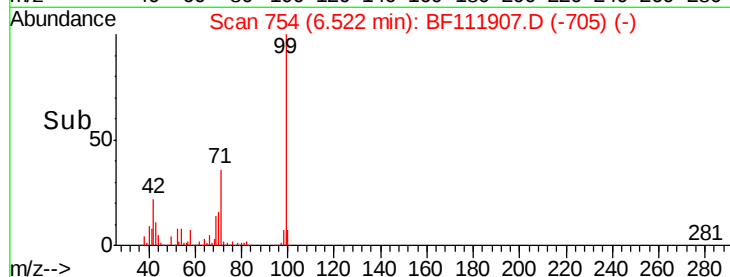
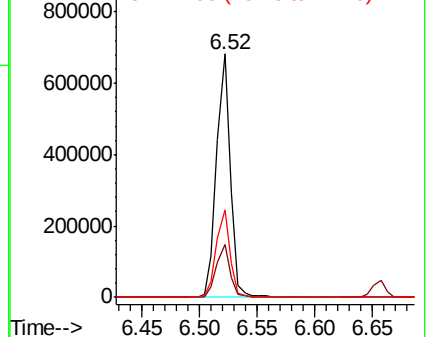
71 36.0 28.7 43.1



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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF111907.D

Acq: 8 Jan 2019 15:20

Tgt Ion: 136 Resp: 517444

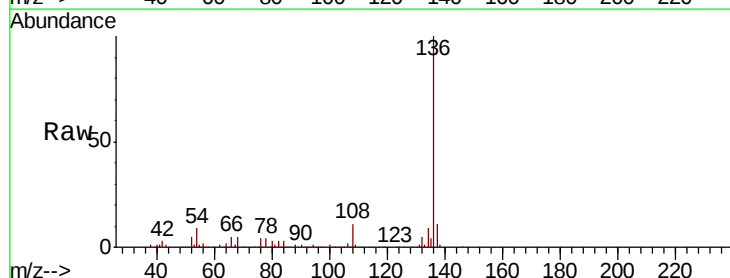
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 9.0 7.2 10.8

68 4.8 4.4 6.6

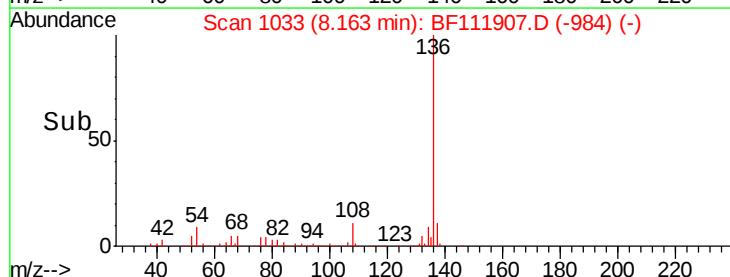
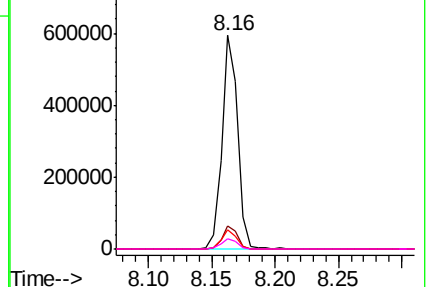


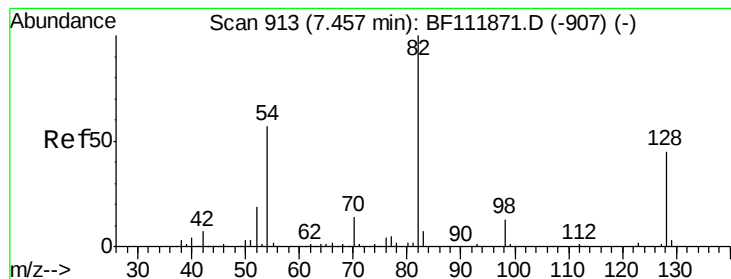
Abundance Ion 136.00 (135.70 to 136.70): E

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: 39.178 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF111907.D

Acq: 8 Jan 2019 15:20

Instrument :

BNA_F

ClientSampled :

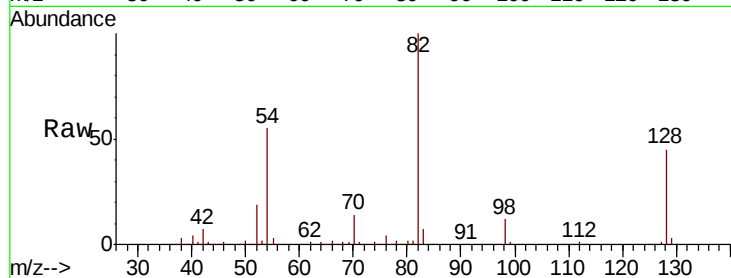
Tot Ion: 82 Resp: 379316

Ion Ratio Lower Upper

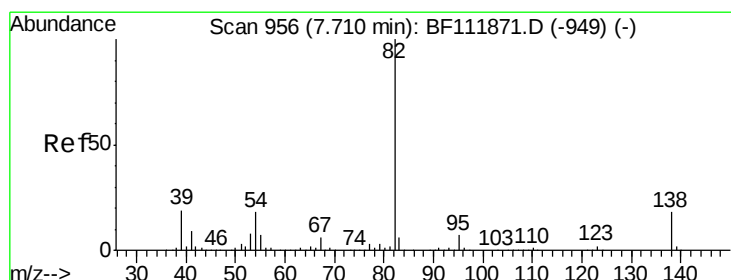
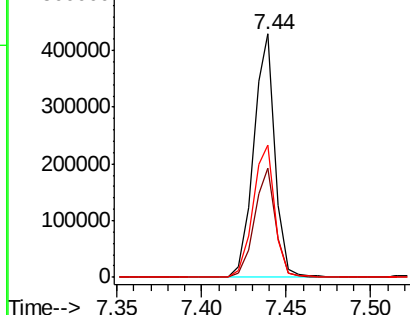
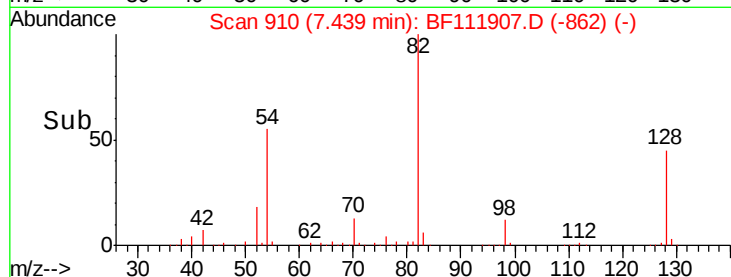
82 100

128 44.7 35.7 53.5

54 54.5 45.8 68.8



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: 23.837 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF111907.D

Acq: 8 Jan 2019 15:20

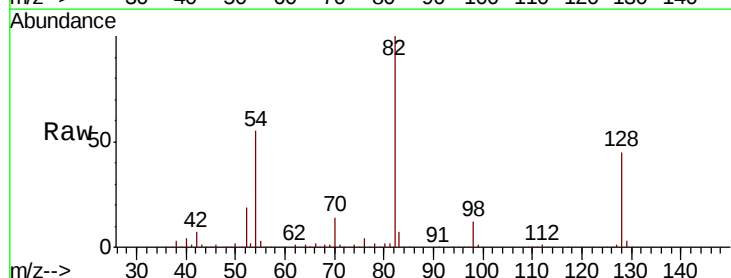
Tgt Ion: 82 Resp: 373720

Ion Ratio Lower Upper

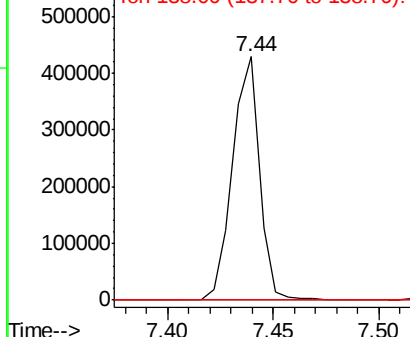
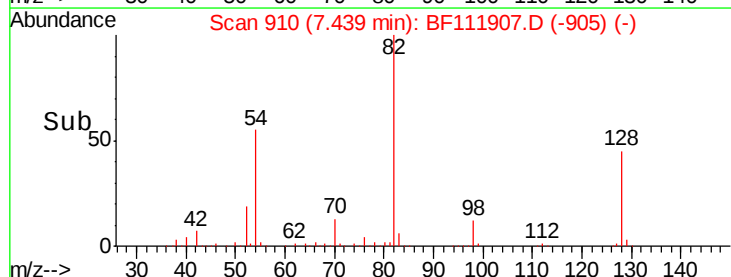
82 100

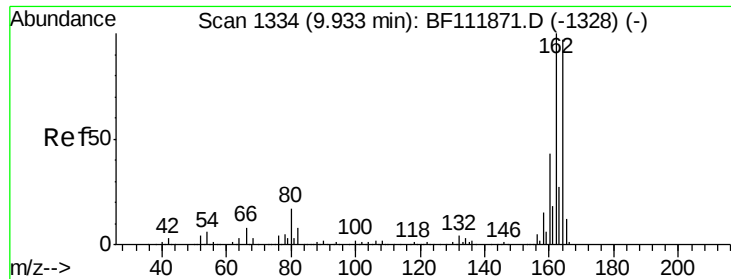
95 0.3 5.8 8.6#

138 0.0 14.4 21.6#



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

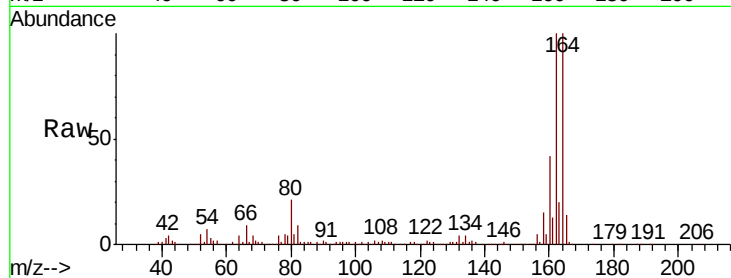




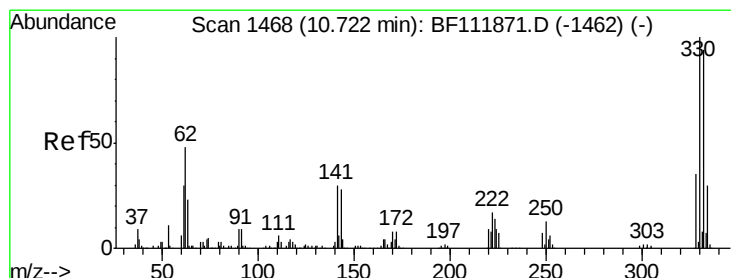
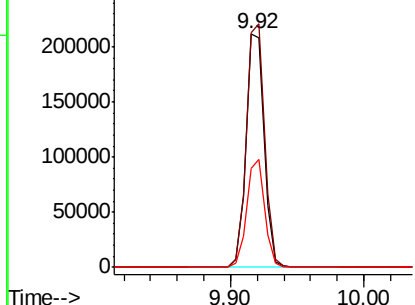
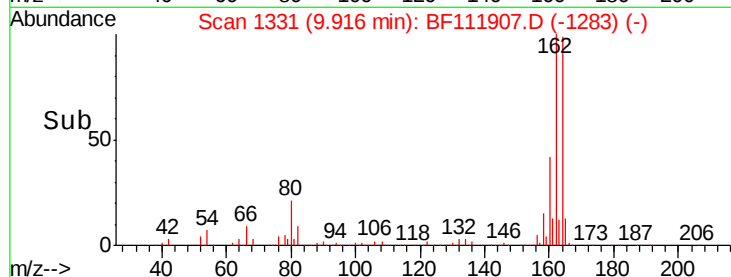
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 197220
Ion Ratio Lower Upper
164 100
162 100.3 82.2 123.2
160 42.5 35.5 53.3

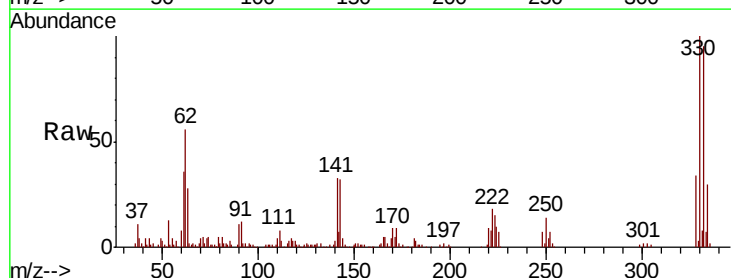


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

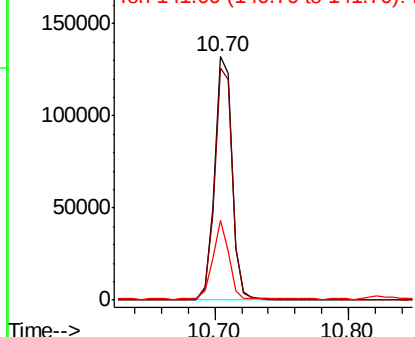
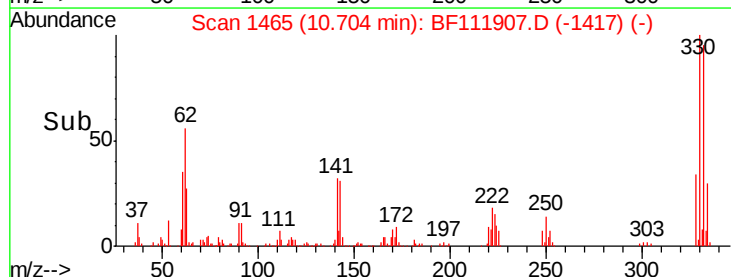


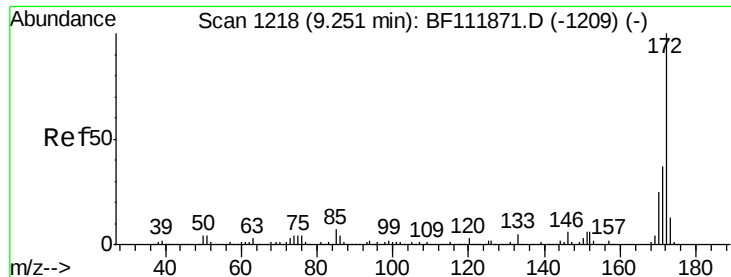
#42
2,4,6-Tribromophenol
Concen: 47.881 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Tgt Ion:330 Resp: 122825
Ion Ratio Lower Upper
330 100
332 96.3 76.9 115.3
141 29.4 23.7 35.5



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

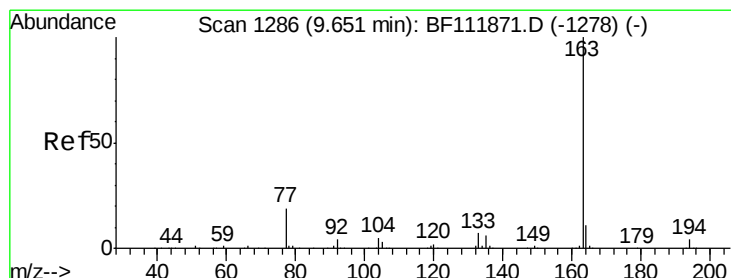
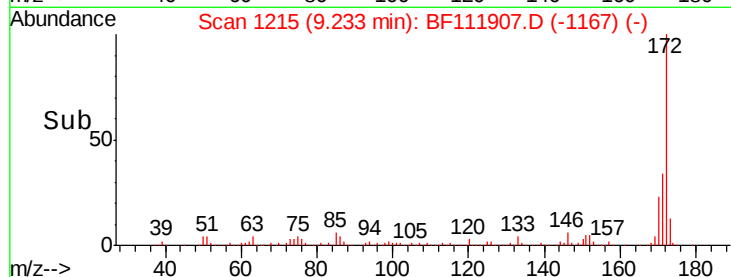
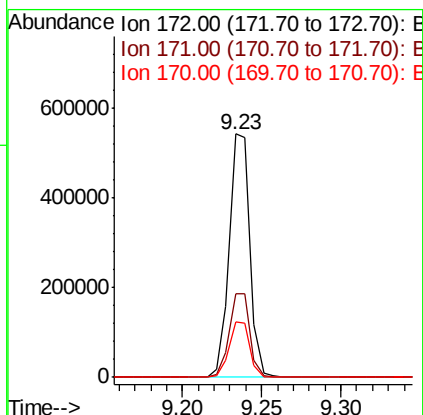
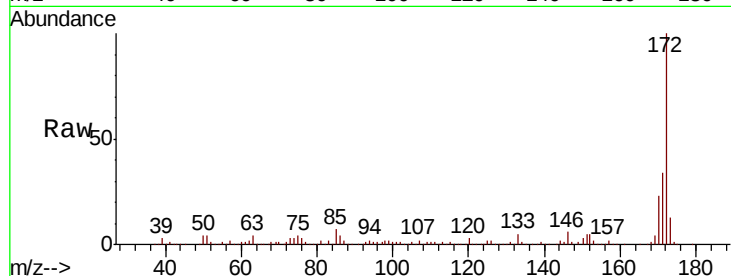




#45
2-Fluorobiphenyl
Concen: 36.358 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.02 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

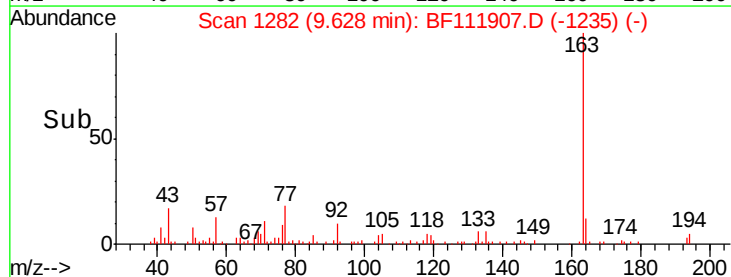
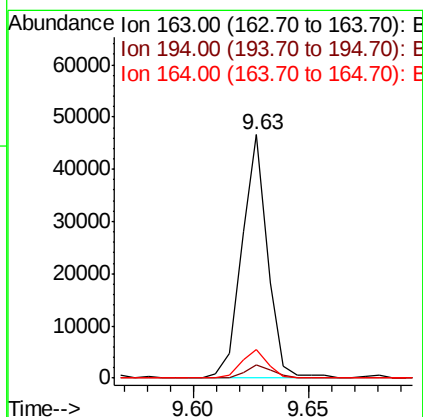
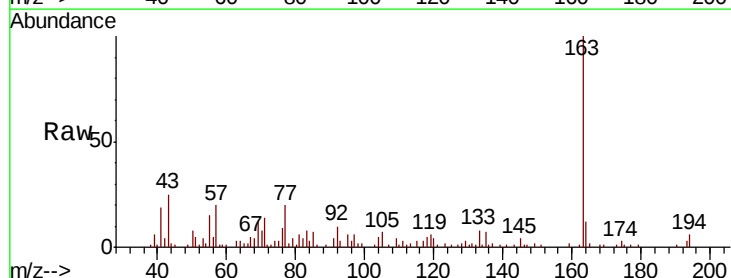
Instrument :
BNA_F
ClientSampleId :

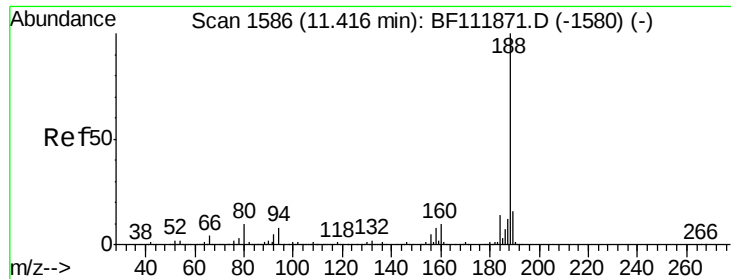
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.6	44.4
170	23.0	19.8	29.8



#50
Dimethylphthalate
Concen: 2.428 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.6	3.4	5.2#
164	11.6	8.5	12.7

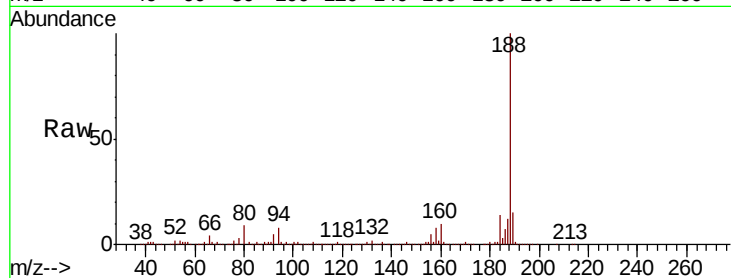




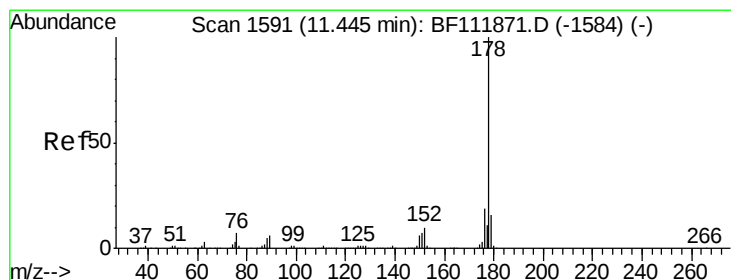
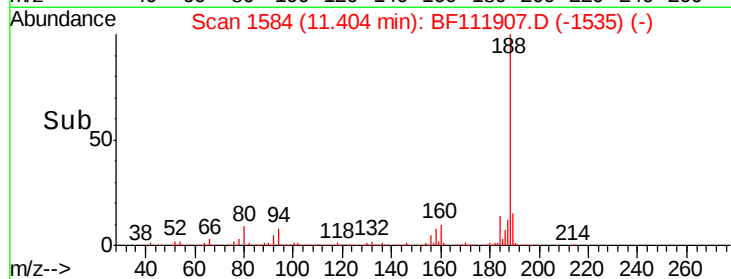
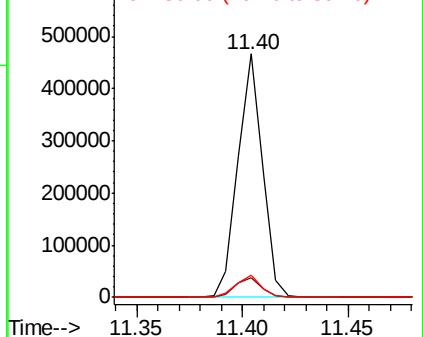
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 374181
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 9.0 7.7 11.5

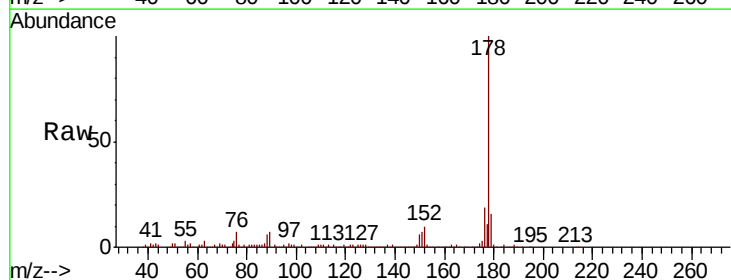


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

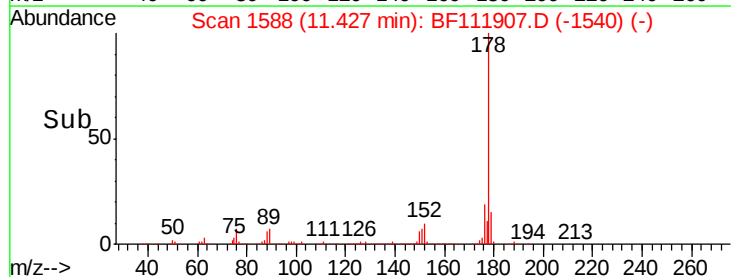
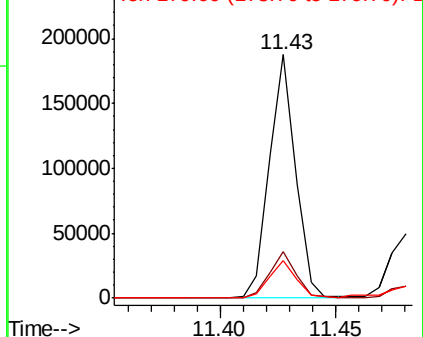


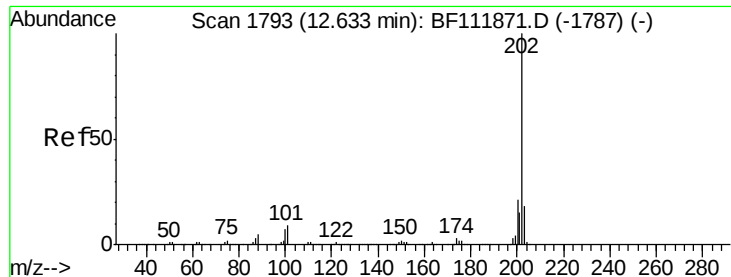
#71
Phenanthrene
Concen: 7.440 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Tgt Ion:178 Resp: 148845
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 15.7 12.6 18.8



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





#75

Fluoranthene

Concen: 13.097 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF111907.D

Acq: 8 Jan 2019 15:20

Instrument :

BNA_F

ClientSampleId :

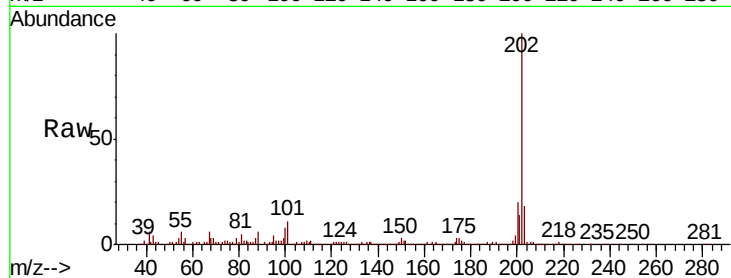
Tot Ion:202 Resp: 268972

Ion Ratio Lower Upper

202 100

101 11.2 0.0 29.3

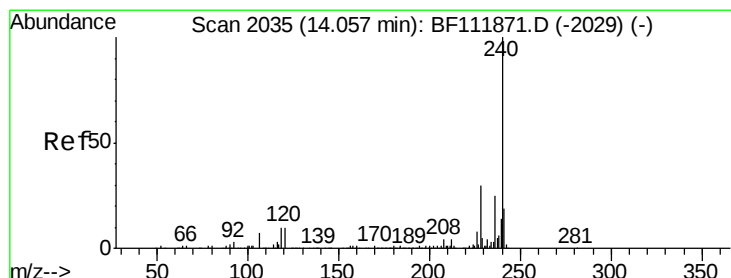
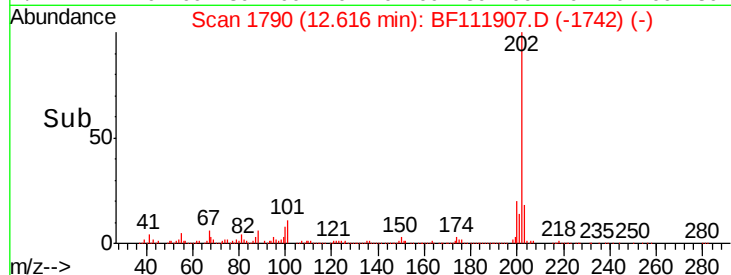
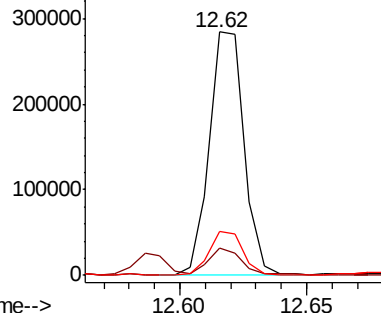
203 17.9 0.0 37.6



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF111907.D

Acq: 8 Jan 2019 15:20

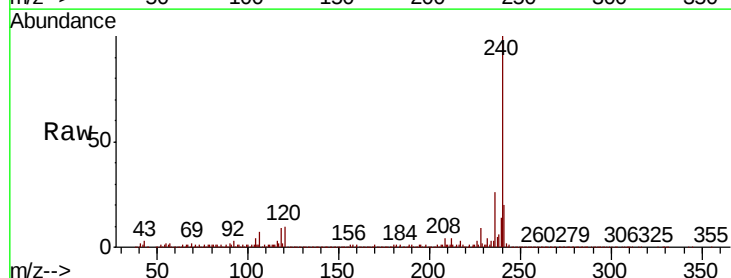
Tgt Ion:240 Resp: 430124

Ion Ratio Lower Upper

240 100

120 10.1 8.2 12.2

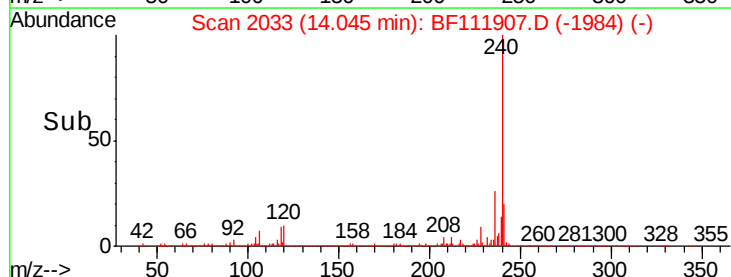
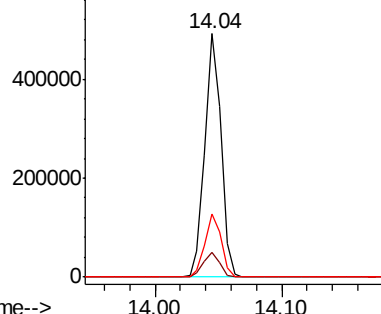
236 26.0 20.2 30.4

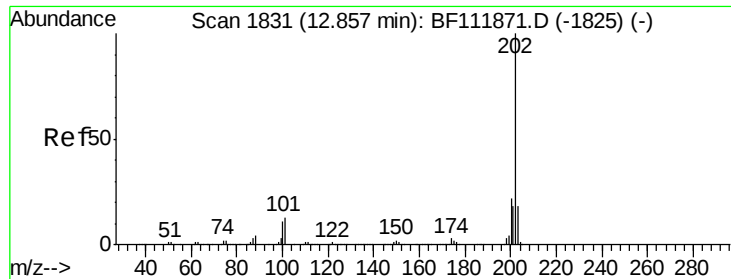


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

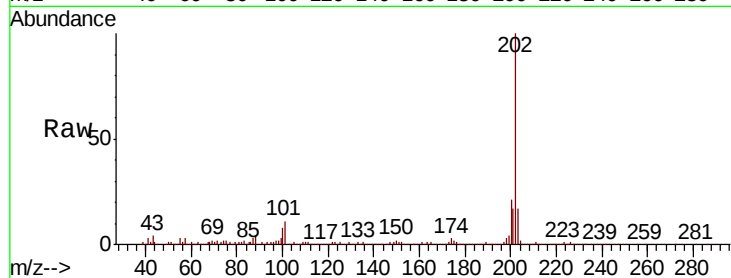




#78
Pvrene
Concen: 9.220 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.3	14.6	21.8

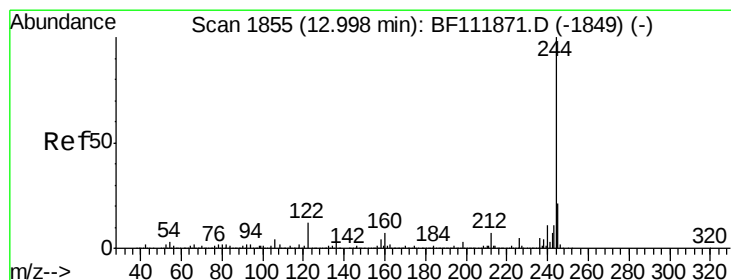
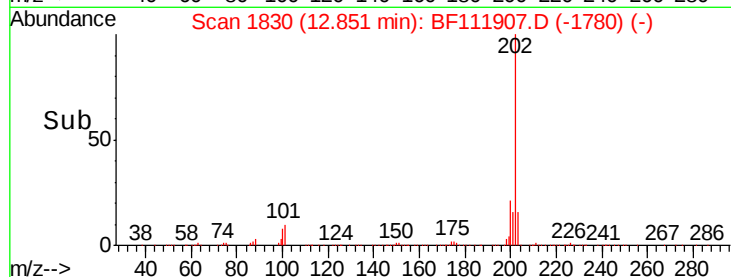
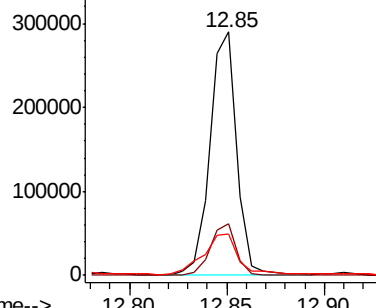


Abundance

Ion 202.00 (201.70 to 202.70): E

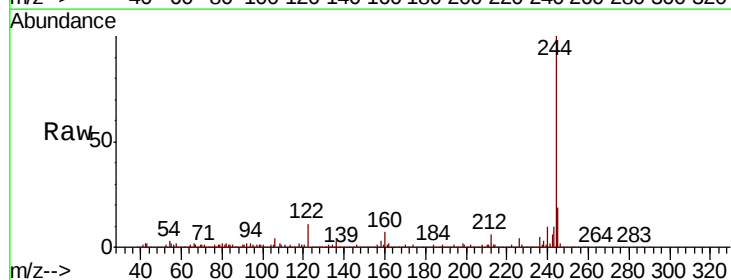
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 23.583 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	10.5	9.5	14.3

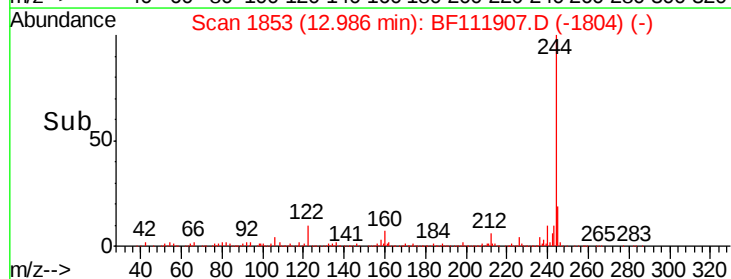
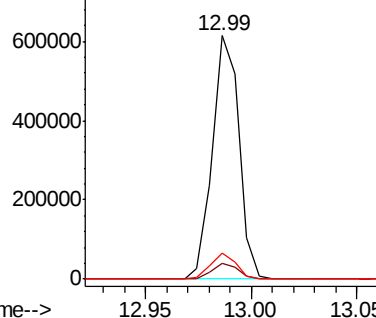


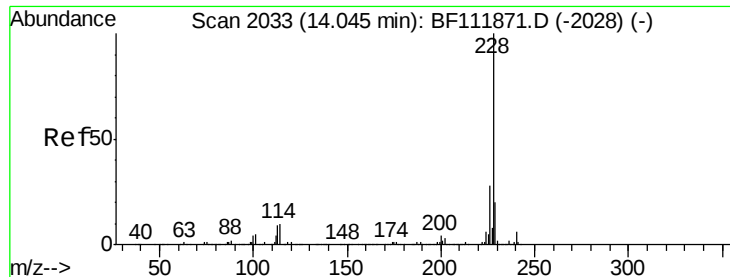
Abundance

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





#81

Benzo(a)anthracene

Concen: 5.882 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF111907.D

Acq: 8 Jan 2019 15:20

Instrument :

BNA_F

ClientSampleId :

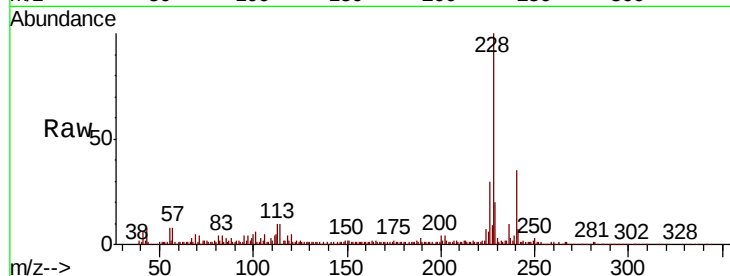
Tot Ion:228 Resp: 145597

Ion Ratio Lower Upper

228 100

226 29.7 22.2 33.2

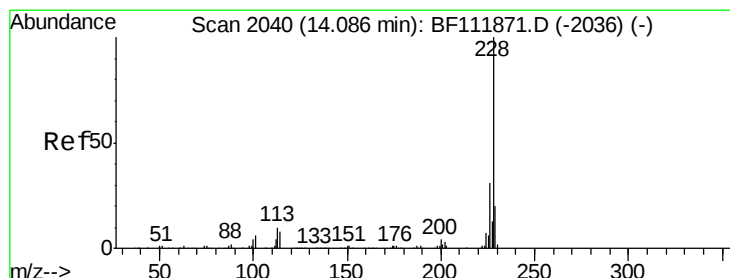
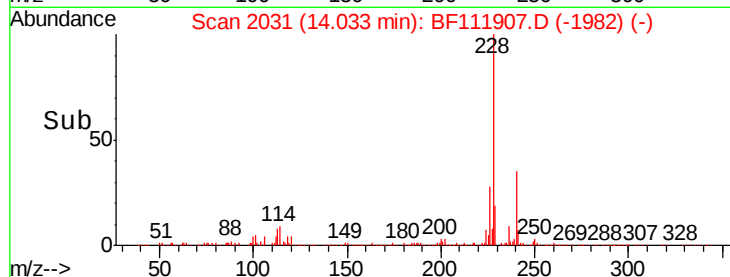
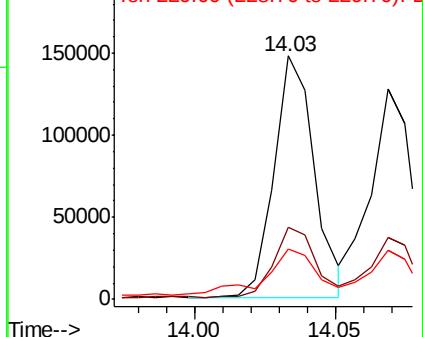
229 20.5 16.2 24.2



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



#83

Chrysene

Concen: 6.169 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.05 min

Lab File: BF111907.D

Acq: 8 Jan 2019 15:20

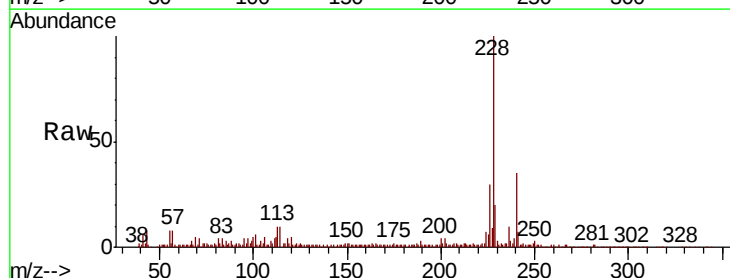
Tgt Ion:228 Resp: 145597

Ion Ratio Lower Upper

228 100

226 29.7 24.6 37.0

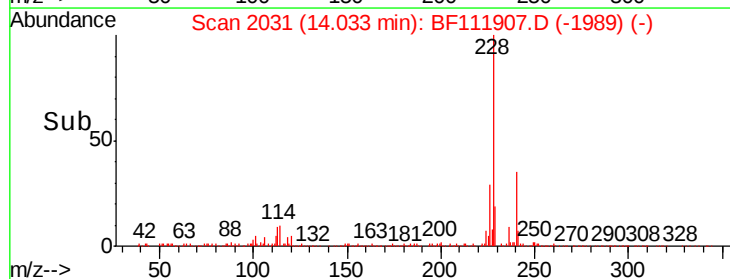
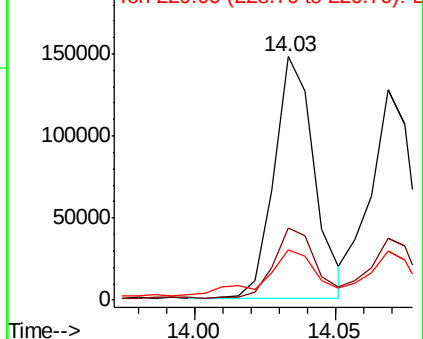
229 20.5 15.7 23.5

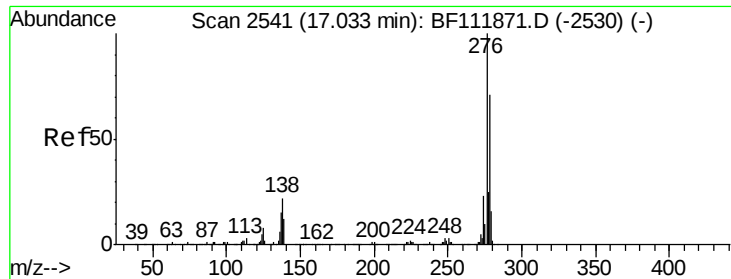


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

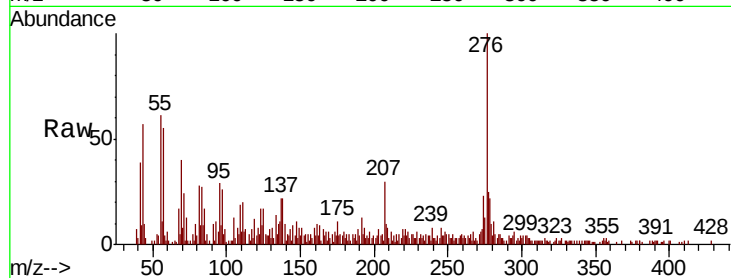




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.308 ng
 RT: 17.02 min Scan# 2538
 Delta R.T. -0.02 min
 Lab File: BF111907.D
 Acq: 8 Jan 2019 15:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.1	18.1	27.1
277	26.0	19.9	29.9

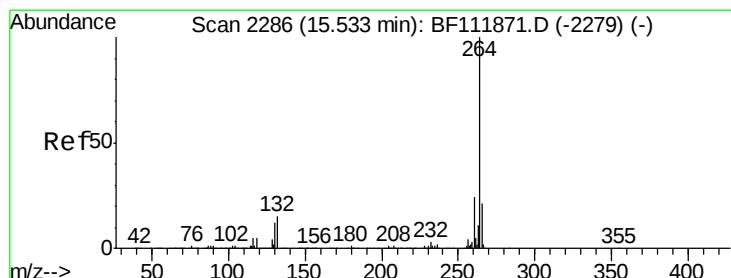
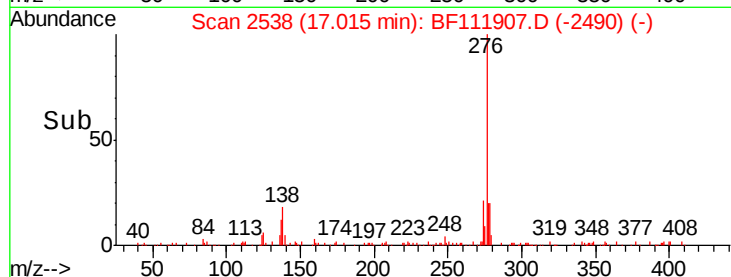
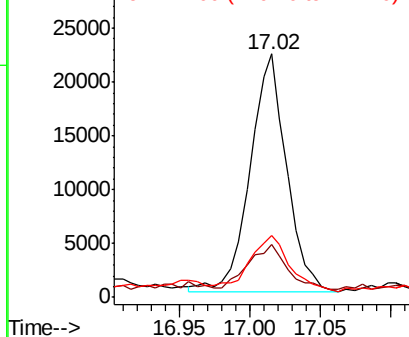


Abundance

Ion 276.00 (275.70 to 276.70): E

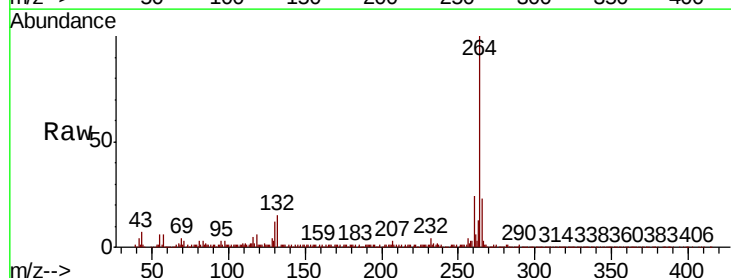
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2286
 Delta R.T. -0.00 min
 Lab File: BF111907.D
 Acq: 8 Jan 2019 15:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.8	17.1	25.7

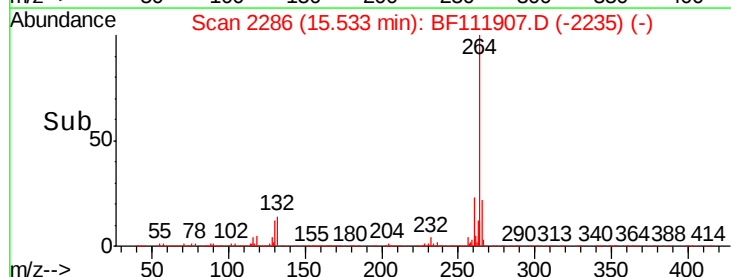
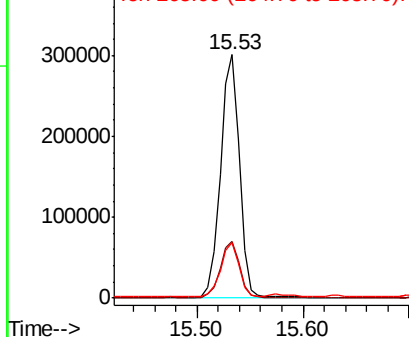


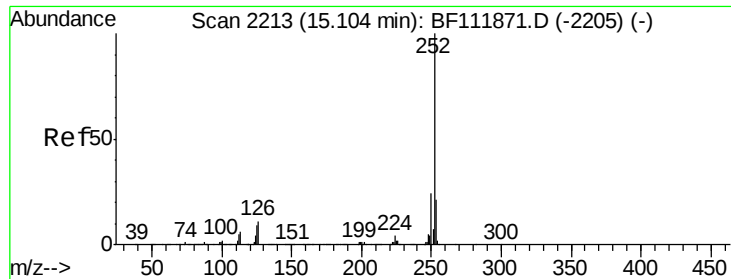
Abundance

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

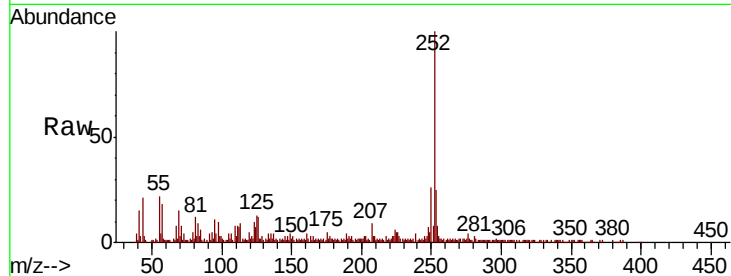




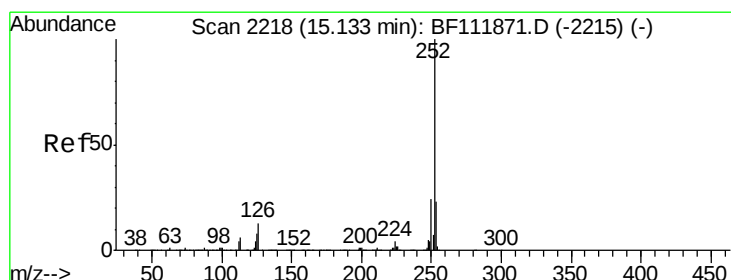
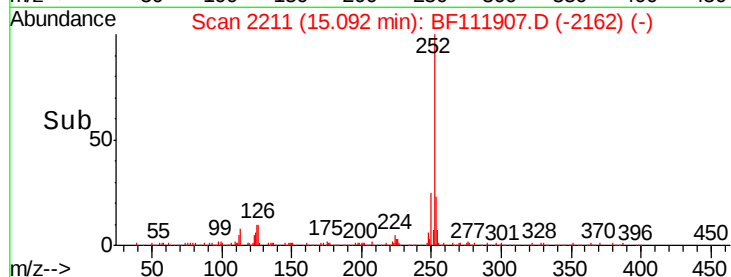
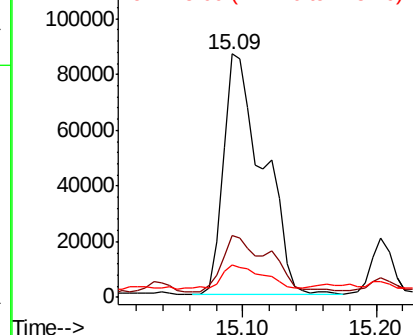
#88
Benzo(b)fluoranthene
Concen: 7.925 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 177429
Ion Ratio Lower Upper
252 100
253 25.4 17.0 25.6
125 13.2 7.1 10.7#

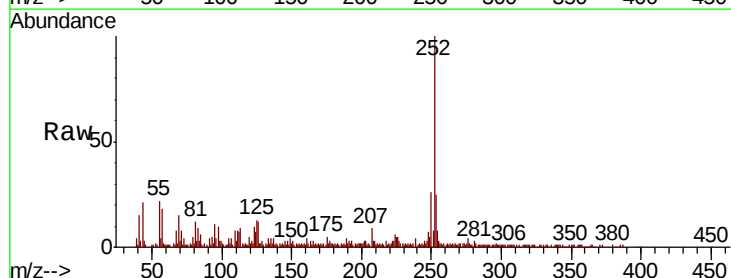


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

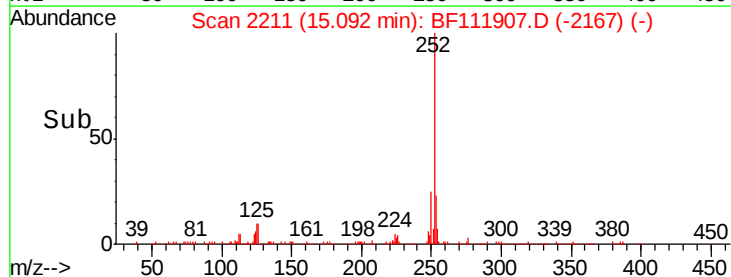
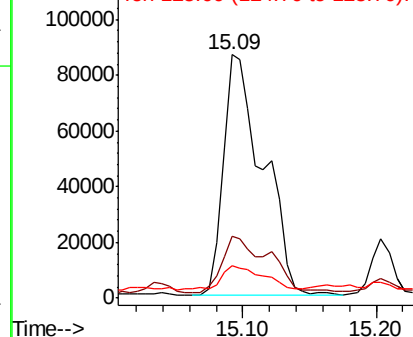


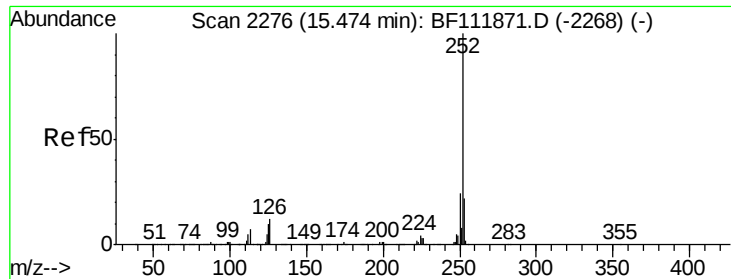
#89
Benzo(k)fluoranthene
Concen: 8.431 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.04 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Tgt Ion:252 Resp: 177429
Ion Ratio Lower Upper
252 100
253 25.4 17.8 26.6
125 13.2 7.0 10.4#



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

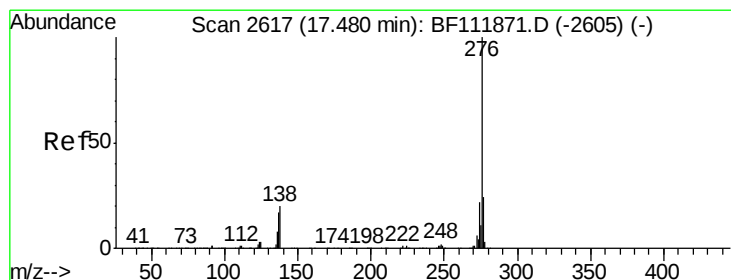
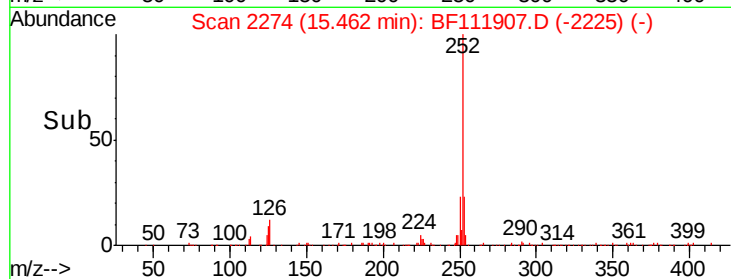
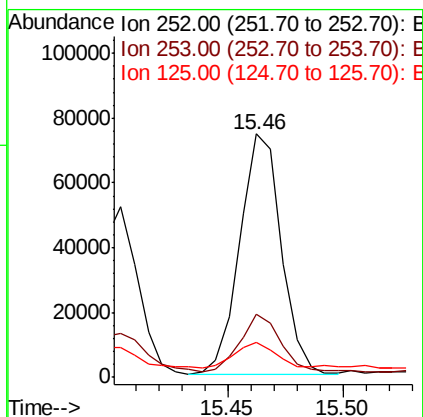
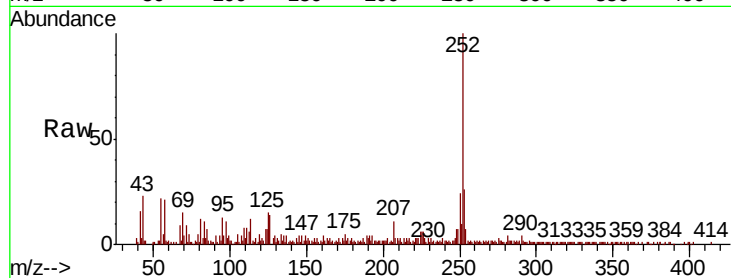




#90
Benzo(a)pyrene
Concen: 4.713 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.4	26.2
125	14.6	7.9	11.9



#92
Benzo(g,h,i)perylene
Concen: 2.150 ng
RT: 17.46 min Scan# 2614
Delta R.T. -0.02 min
Lab File: BF111907.D
Acq: 8 Jan 2019 15:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.0	28.6
138	14.0	16.2	24.2

