

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
 Data File : BF112163.D
 Acq On : 21 Jan 2019 17:20
 Operator : JU/SJ
 Sample : K1013-07 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-011819-D

Quant Time: Jan 21 17:59:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	204924	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	679835	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	268094	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	529267	20.00	ng	0.00
76) Chrysene-d12	14.02	240	449955	20.00	ng	0.00
87) Perylene-d12	15.50	264	329972	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	229159	20.30	ng	0.00
7) Phenol-d6	6.49	99	266450	18.86	ng	-0.01
23) Nitrobenzene-d5	7.41	82	137404	13.96	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	54959	19.00	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	270285	14.78	ng	0.00
79) Terphenyl-d14	12.96	244	310365	14.67	ng	-0.01

Target Compounds

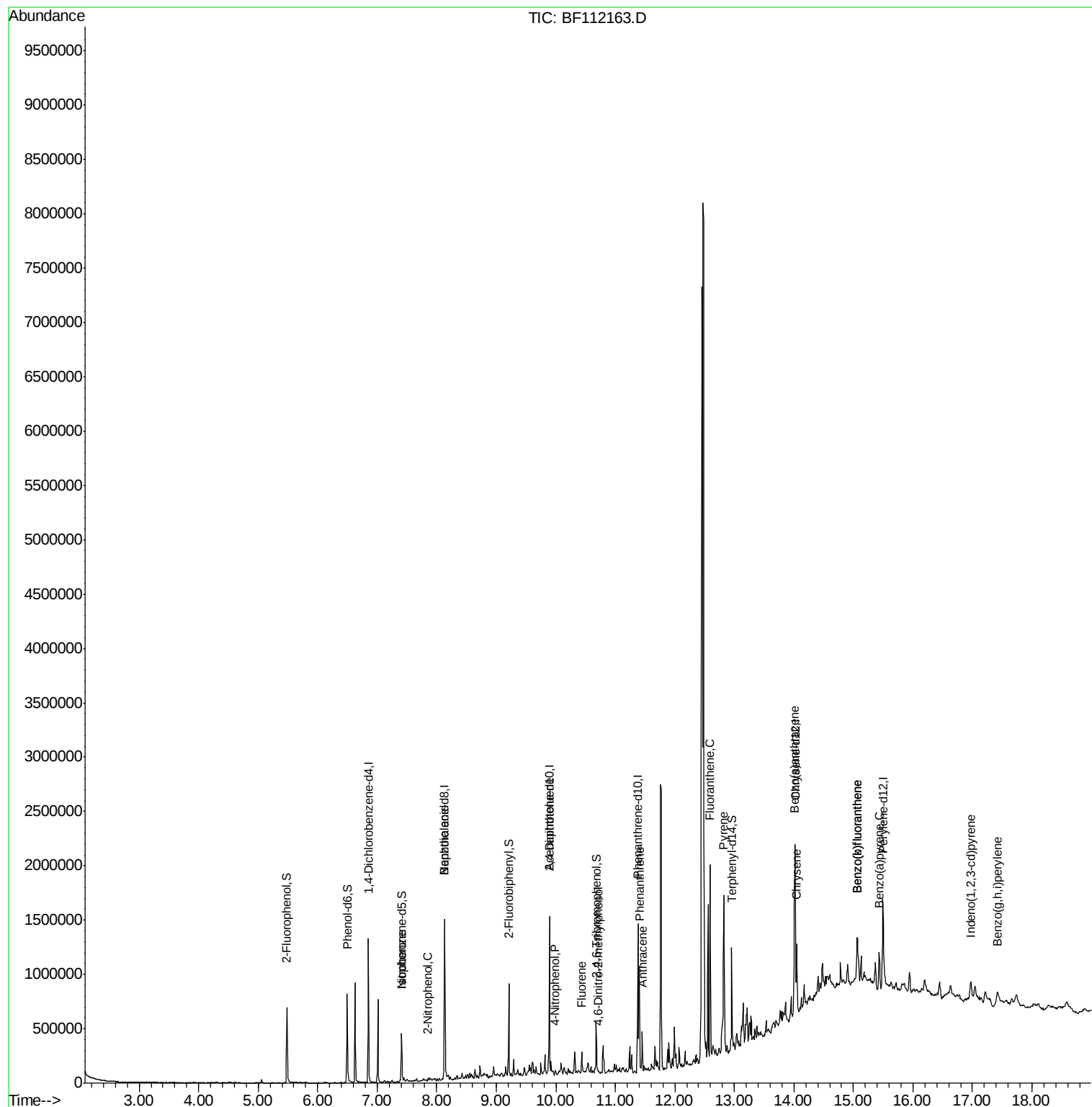
						Qvalue
9) Benzaldehyde	6.49	77	382	Below Cal	#	1
25) Isophorone	7.41	82	137401	7.229 ng	#	64
26) 2-Nitrophenol	7.85	139	121	5.701 ng	#	1
32) Benzoic acid	8.13	122	111	7.198 ng	#	1
56) 4-Nitrophenol	9.99	139	828	5.901 ng	#	24
57) 2,4-Dinitrotoluene	9.89	165	38059	11.450 ng	#	32
58) Fluorene	10.44	166	52427	2.962 ng		98
65) 4,6-Dinitro-2-methylphenol	10.72	198	110	10.109 ng	#	1
71) Phenanthrene	11.40	178	383153	14.385 ng		97
72) Anthracene	11.45	178	134602	4.989 ng		98
75) Fluoranthene	12.59	202	652818	23.213 ng		99
78) Pyrene	12.82	202	593995	20.009 ng		99
81) Benzo(a)anthracene	14.01	228	286316	11.098 ng		99
83) Chrysene	14.04	228	235703	9.655 ng		97
86) Indeno(1,2,3-cd)pyrene	16.97	276	91219	4.050 ng		96
88) Benzo(b)fluoranthene	15.06	252	321544	17.167 ng	#	97
89) Benzo(k)fluoranthene	15.06	252	321544	17.737 ng	#	97
90) Benzo(a)pyrene	15.43	252	170639	9.934 ng	#	93
92) Benzo(a,h,i)perylene	17.42	276	84019	5.590 ng	#	93

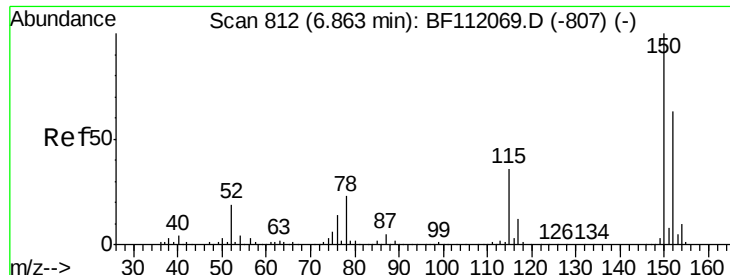
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112163.D
Acq On : 21 Jan 2019 17:20
Operator : JU/SJ
Sample : K1013-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-D

Quant Time: Jan 21 17:59:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 19 01:02:12 2019
Response via : Initial Calibration

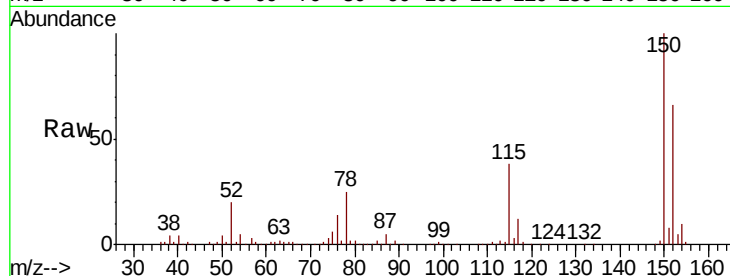




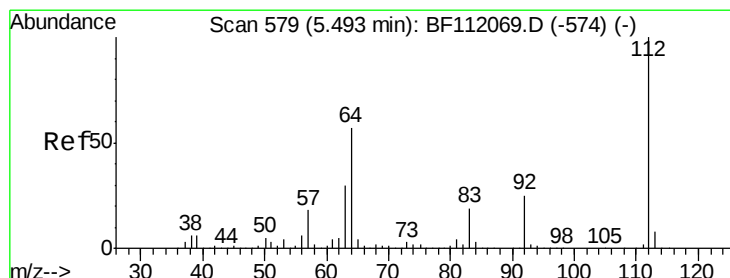
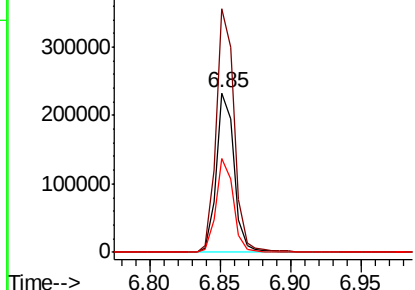
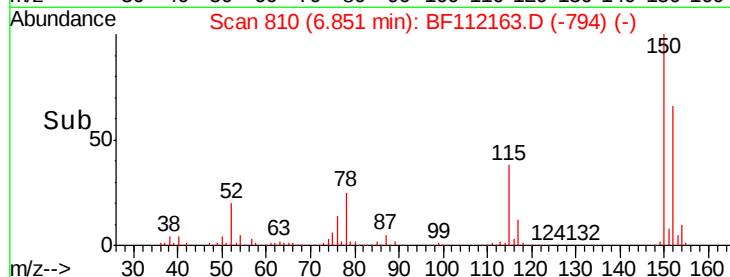
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF112163.D
 Acq: 21 Jan 2019 17:20

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-011819-D

Tot Ion:152 Resp: 204924
 Ion Ratio Lower Upper
 152 100
 150 152.5 127.4 191.0
 115 58.7 45.5 68.3

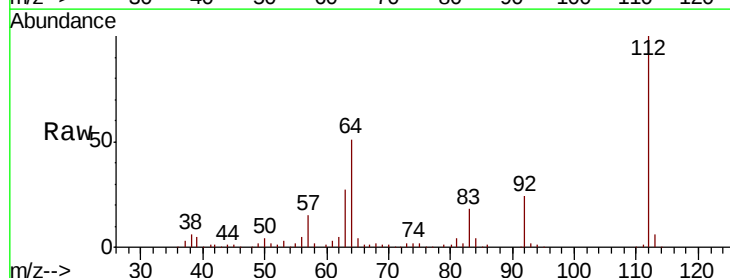


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

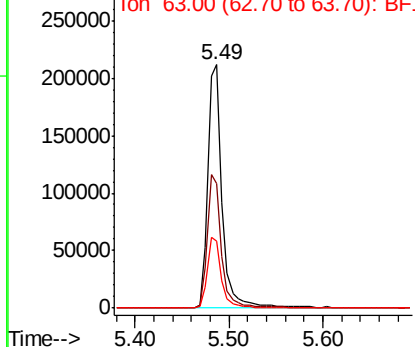
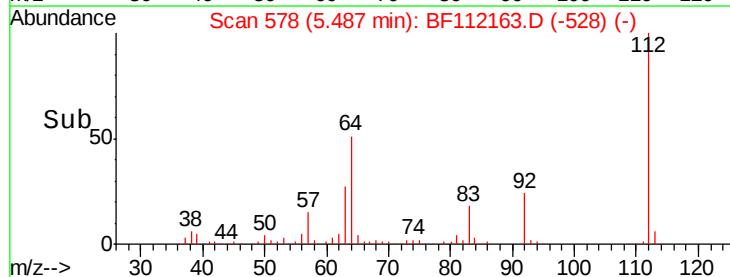


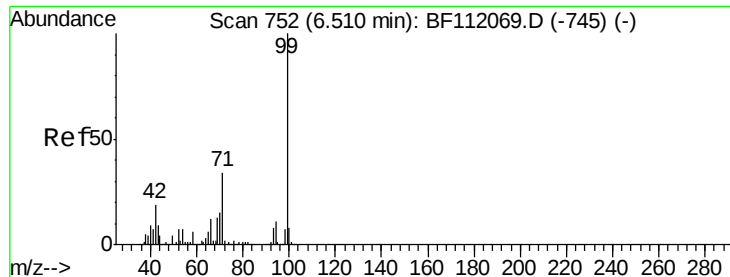
#5
 2-Fluorophenol
 Concen: 20.297 ng
 RT: 5.49 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: BF112163.D
 Acq: 21 Jan 2019 17:20

Tgt Ion:112 Resp: 229159
 Ion Ratio Lower Upper
 112 100
 64 51.1 45.7 68.5
 63 27.4 23.6 35.4



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: 18.862 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

Instrument :

BNA_F

ClientSampleId :

PL-01-011819-D

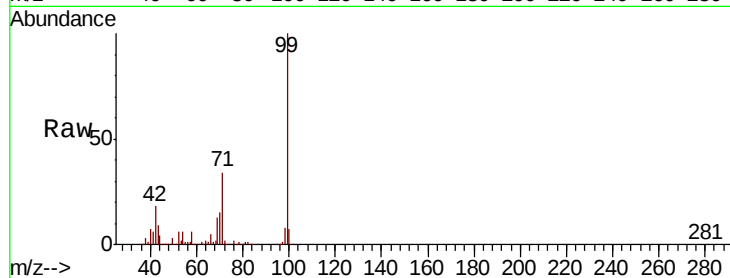
Tot Ion: 99 Resp: 266450

Ion Ratio Lower Upper

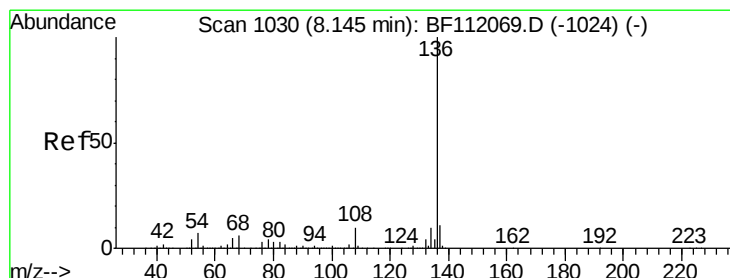
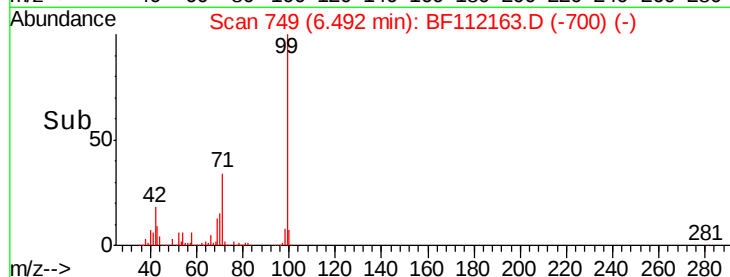
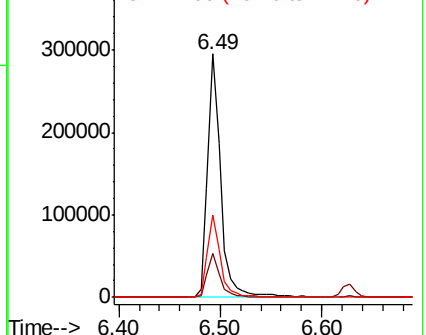
99 100

42 17.8 15.1 22.7

71 33.7 26.9 40.3



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: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

Tgt Ion: 136 Resp: 679835

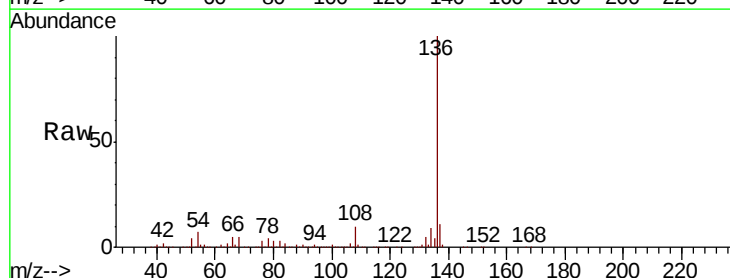
Ion Ratio Lower Upper

136 100

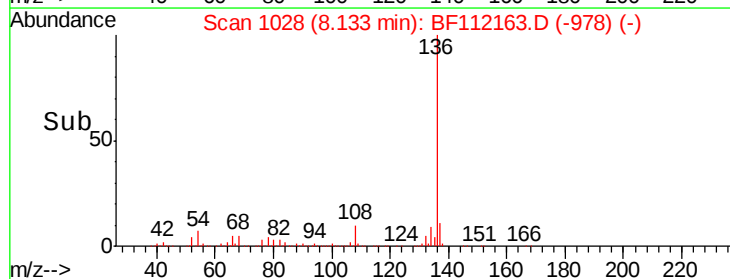
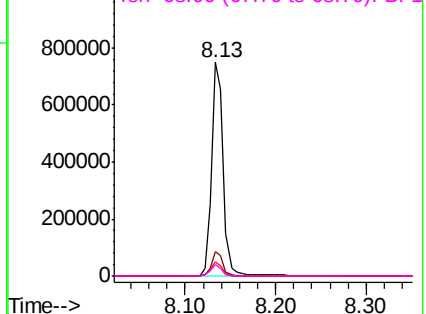
137 11.4 9.1 13.7

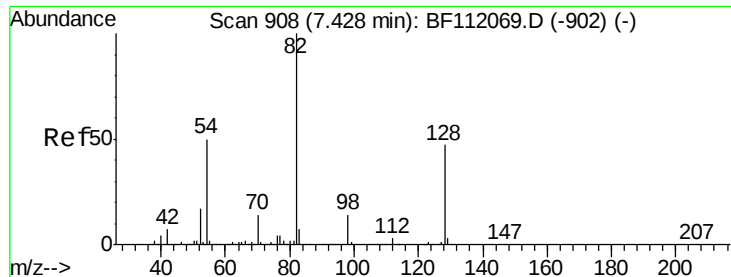
54 6.6 5.9 8.9

68 5.4 5.1 7.7



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

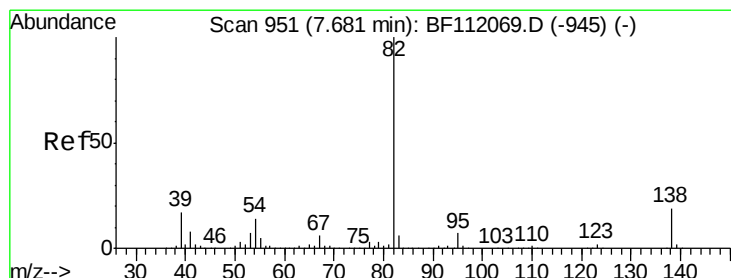
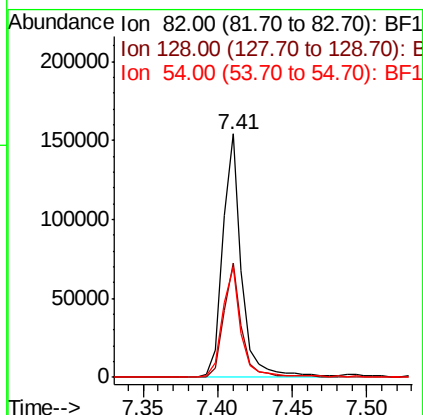
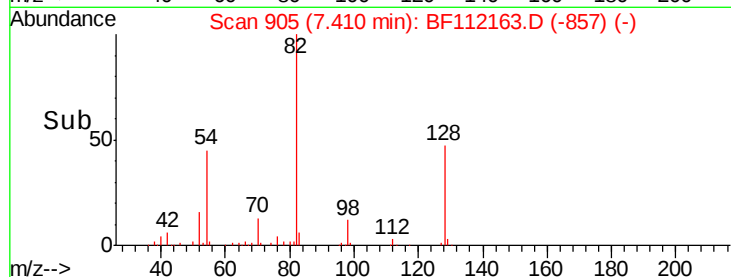
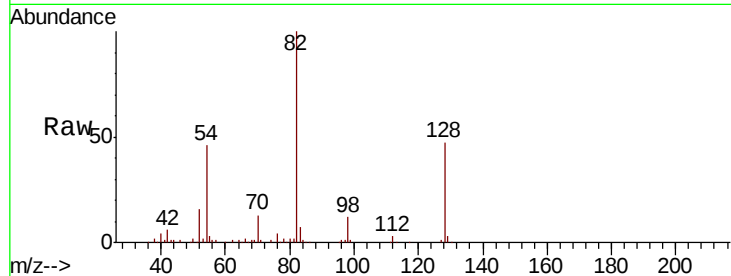




#23
Nitrobenzene-d5
Concen: 13.964 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

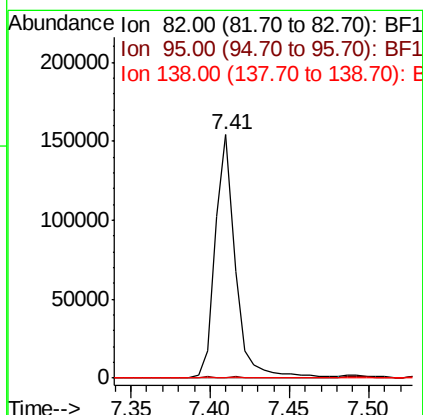
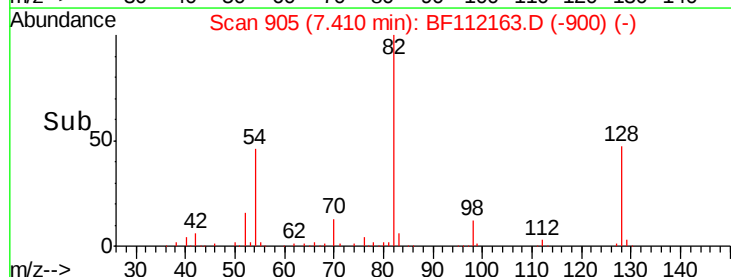
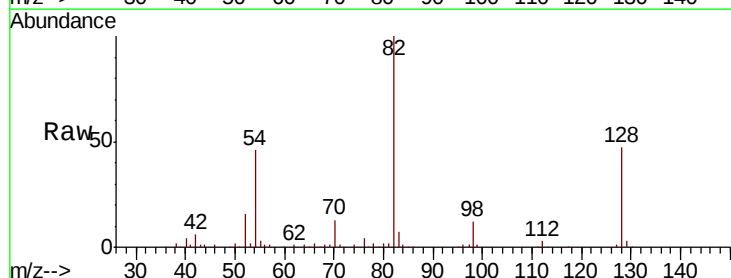
Instrument :
BNA_F
ClientSampleId :
PL-01-011819-D

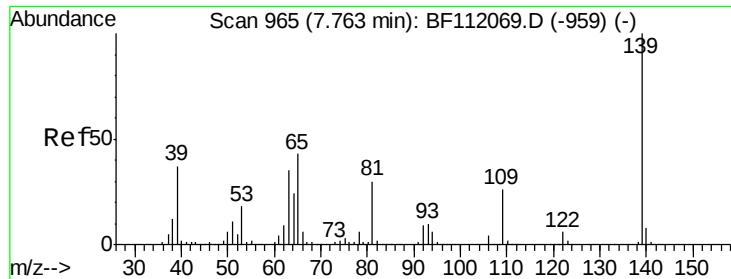
Tot Ion	82	Resp	137404
Ion Ratio	Lower	Upper	
82	100		
128	46.8	37.8	56.8
54	45.6	39.7	59.5



#25
Isophorone
Concen: 7.229 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.27 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Tgt Ion	82	Resp	137401
Ion Ratio	Lower	Upper	
82	100		
95	0.3	5.7	8.5#
138	0.0	15.4	23.0#





#26

2-Nitrophenol

Concen: 5.701 ng

RT: 7.85 min Scan# 980

Delta R.T. 0.09 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

Instrument :

BNA_F

ClientSampleId :

PL-01-011819-D

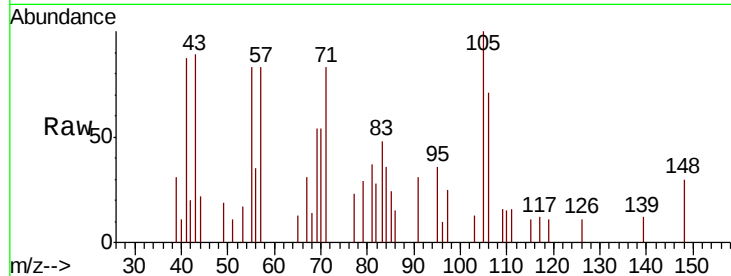
Tot Ion:139 Resp: 121

Ion Ratio Lower Upper

139 100

109 135.5 20.8 31.2#

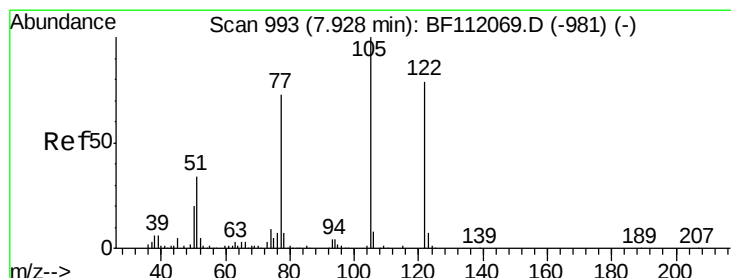
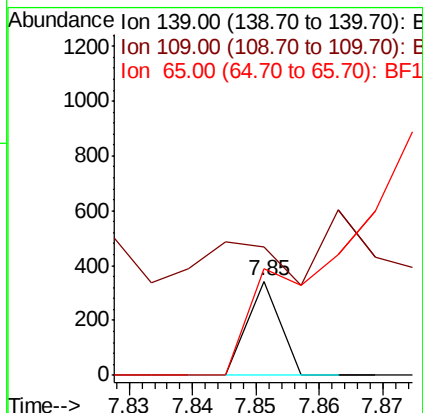
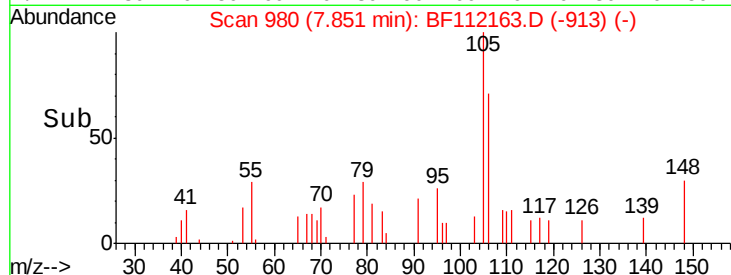
65 113.1 34.4 51.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#32

Benzoic acid

Concen: 7.198 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.19 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

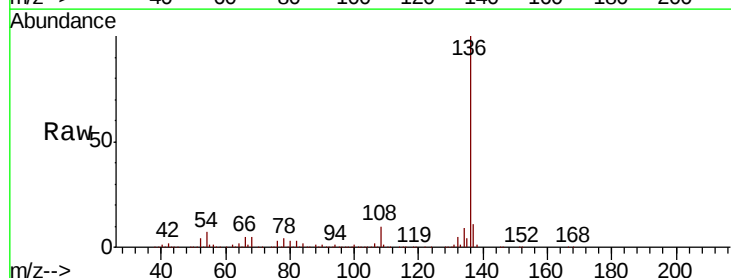
Tgt Ion:122 Resp: 111

Ion Ratio Lower Upper

122 100

105 444.4 101.2 141.2#

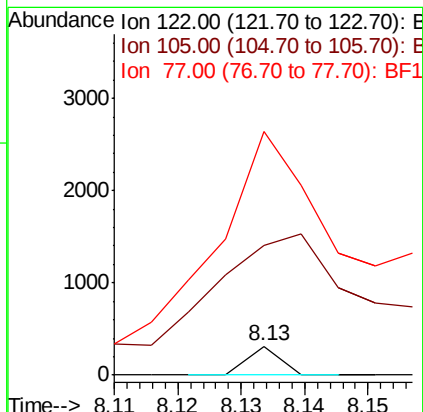
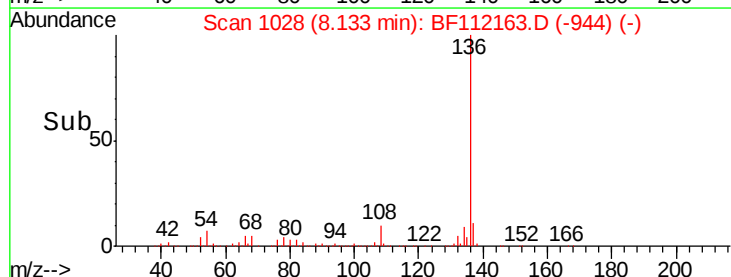
77 838.1 70.4 110.4#

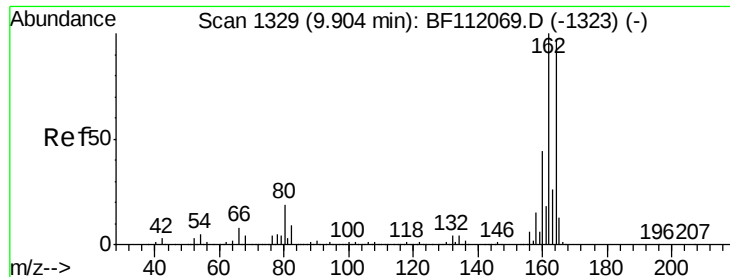


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

Instrument :

BNA_F

ClientSampleId :

PL-01-011819-D

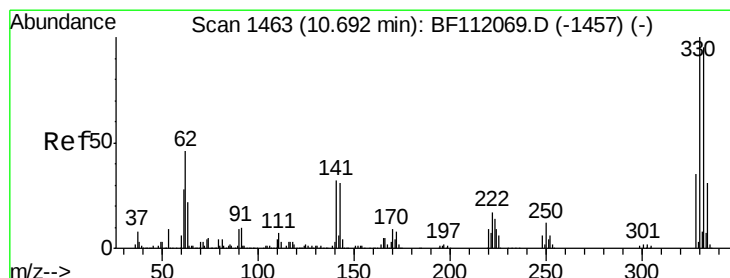
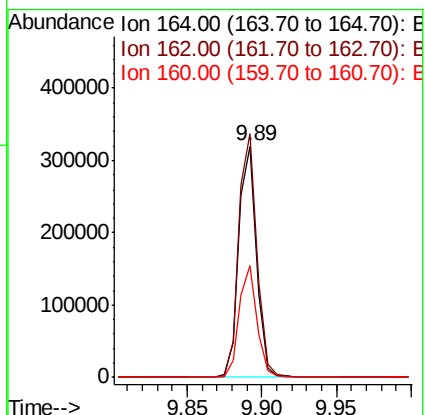
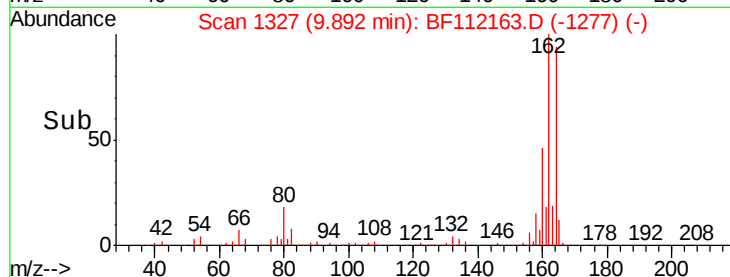
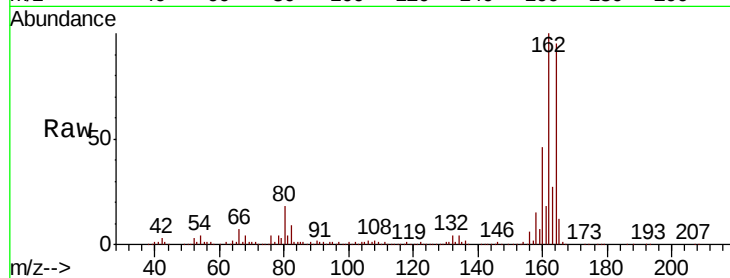
Tot Ion:164 Resp: 268094

Ion Ratio Lower Upper

164 100

162 105.3 82.2 123.4

160 48.1 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 19.003 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

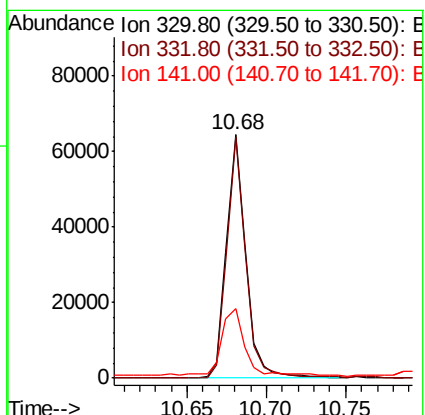
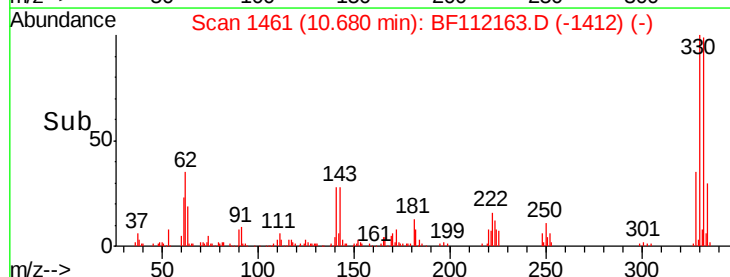
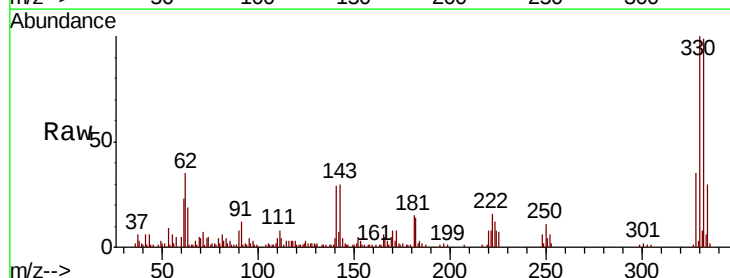
Tgt Ion:330 Resp: 54959

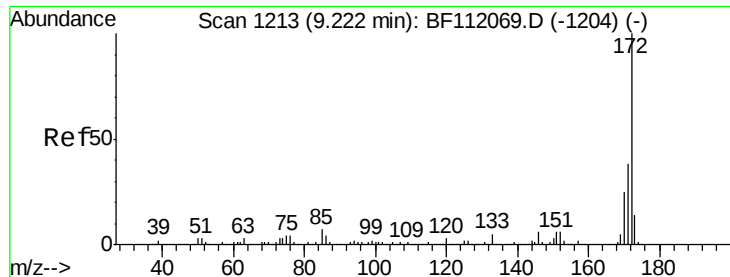
Ion Ratio Lower Upper

330 100

332 96.8 76.6 114.8

141 34.1 24.3 36.5

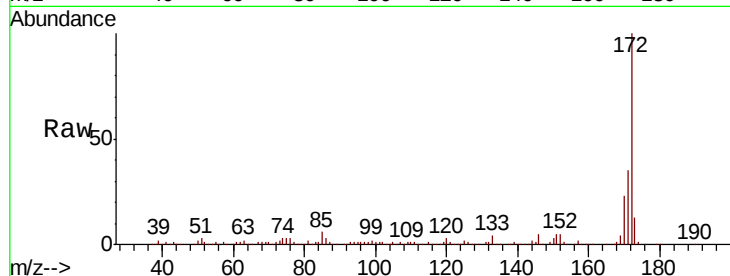




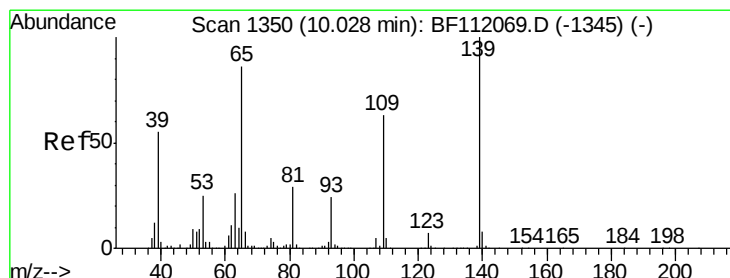
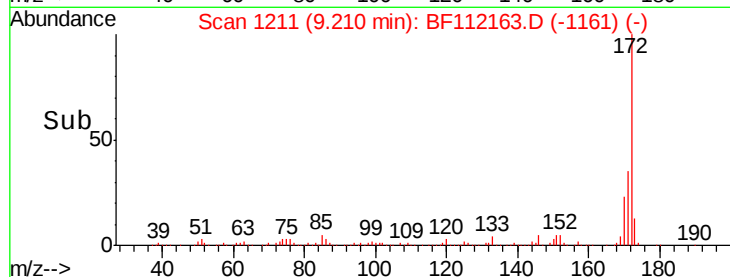
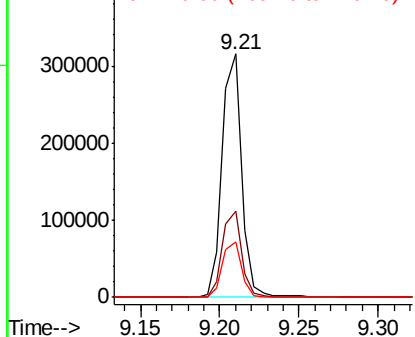
#45
2-Fluorobiphenyl
Concen: 14.781 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-D

Tot Ion:172 Resp: 270285
Ion Ratio Lower Upper
172 100
171 35.4 30.5 45.7
170 22.5 20.2 30.4

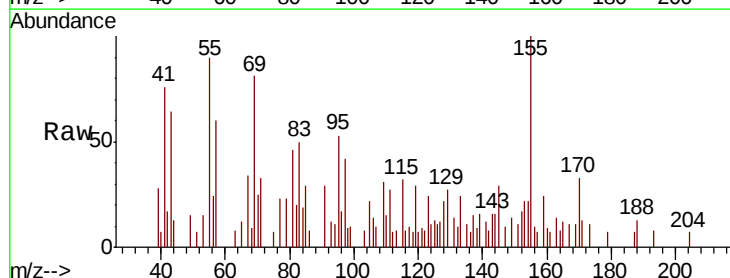


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

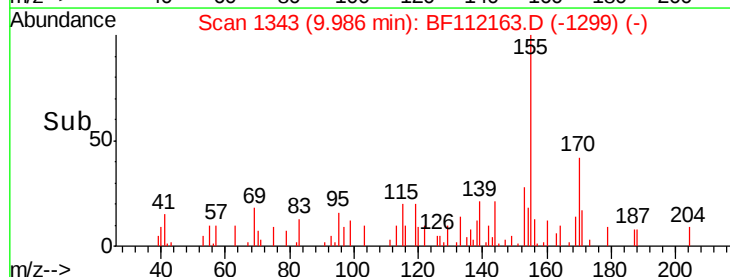
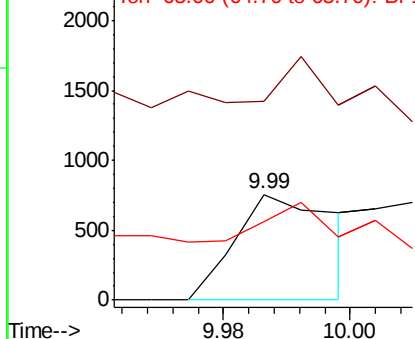


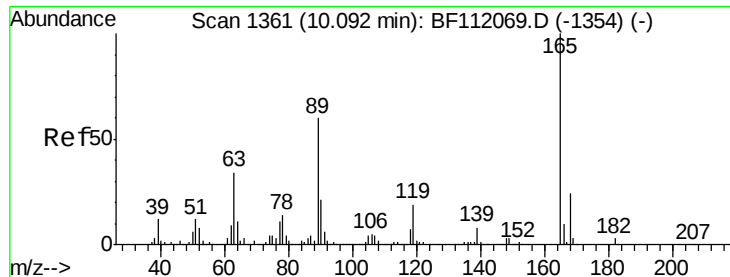
#56
4-Nitrophenol
Concen: 5.901 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.04 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Tgt Ion:139 Resp: 828
Ion Ratio Lower Upper
139 100
109 188.9 42.8 82.8#
65 74.6 66.1 106.1



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

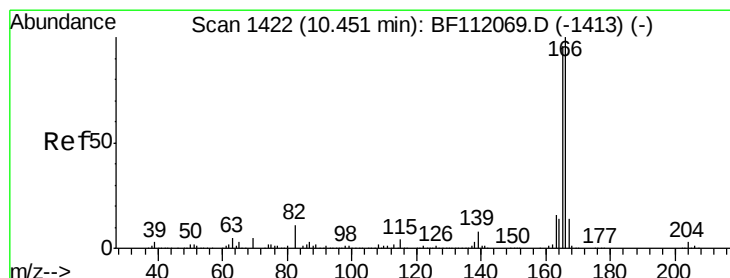
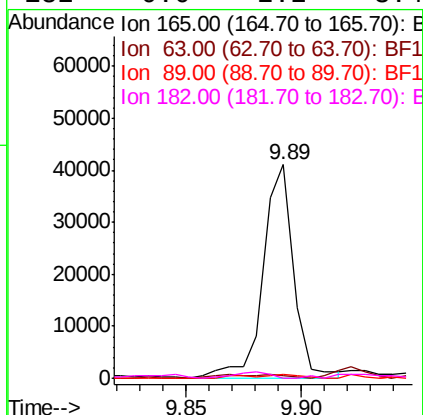
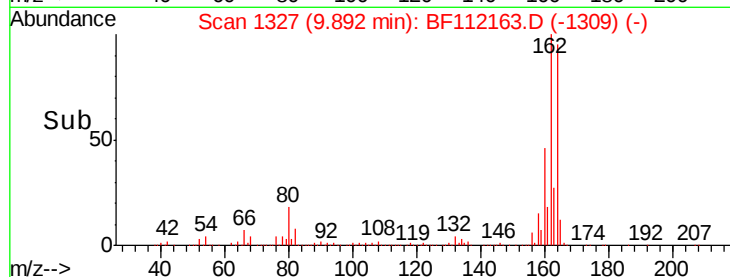
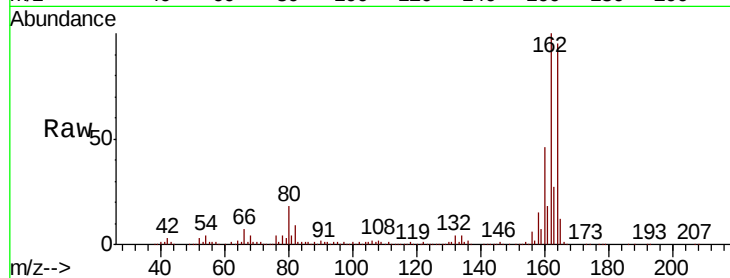




#57
 2,4-Dinitrotoluene
 Concen: 11.450 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF112163.D
 Acq: 21 Jan 2019 17:20

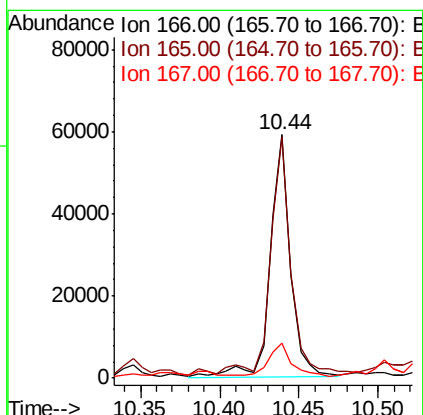
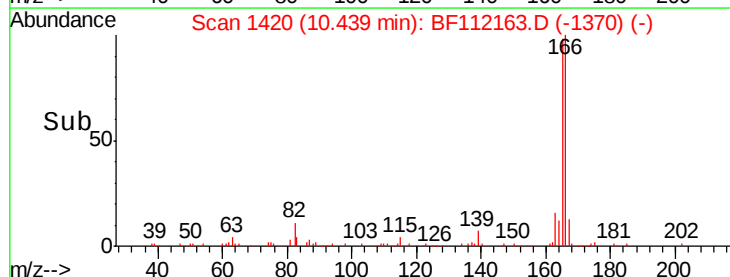
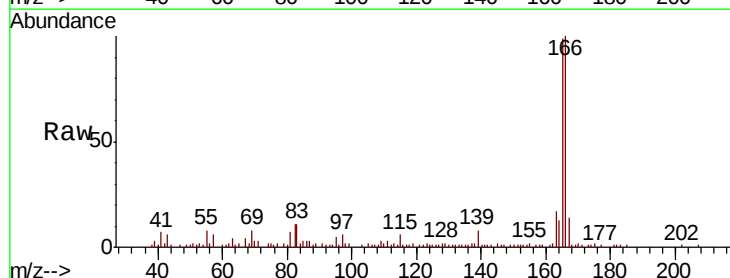
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-011819-D

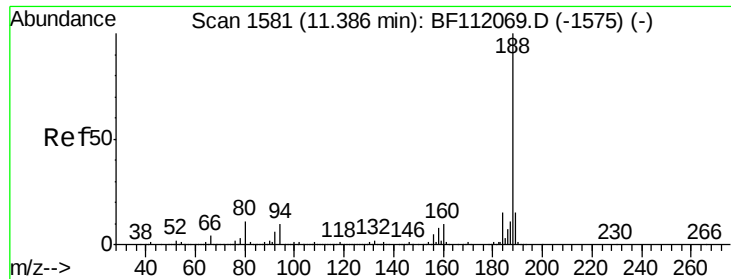
Tot Ion:165	Resp:	38059
Ion Ratio	Lower	Upper
165	100	
63	1.4	27.9 41.9#
89	1.7	47.9 71.9#
182	0.0	2.2 3.4#



#58
 Fluorene
 Concen: 2.962 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF112163.D
 Acq: 21 Jan 2019 17:20

Tgt Ion:166	Resp:	52427
Ion Ratio	Lower	Upper
166	100	
165	98.9	77.1 115.7
167	14.4	11.3 16.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

Instrument :

BNA_F

ClientSampleId :

PL-01-011819-D

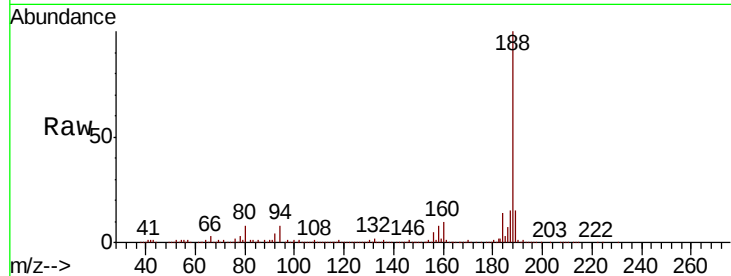
Tot Ion:188 Resp: 529267

Ion Ratio Lower Upper

188 100

94 8.1 8.2 12.2#

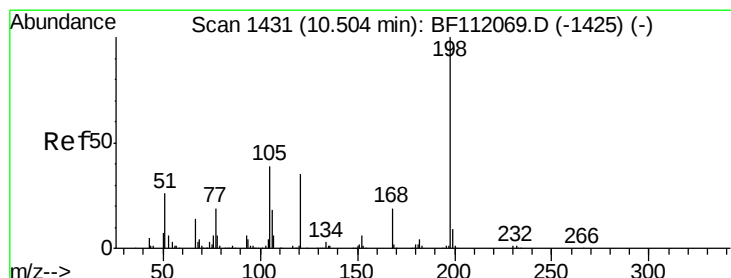
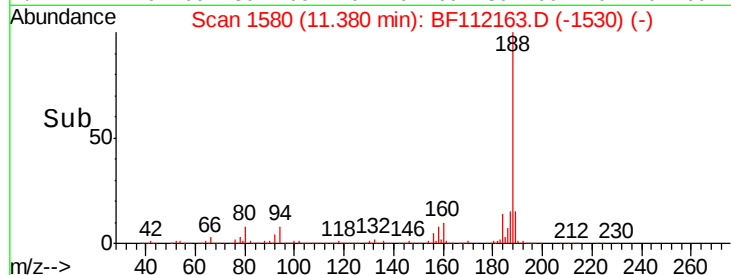
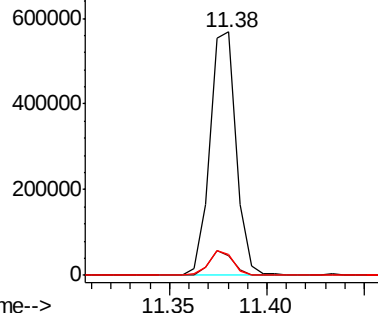
80 8.4 8.9 13.3#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 10.109 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.21 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

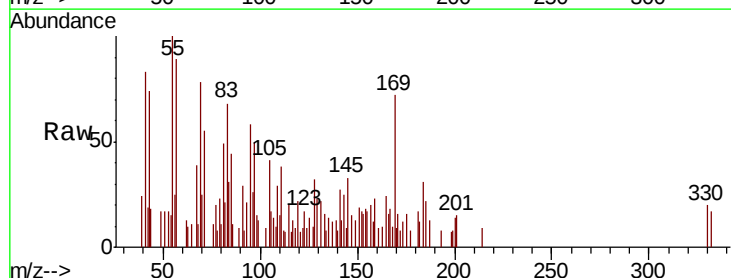
Tgt Ion:198 Resp: 110

Ion Ratio Lower Upper

198 100

51 237.3 17.2 57.2#

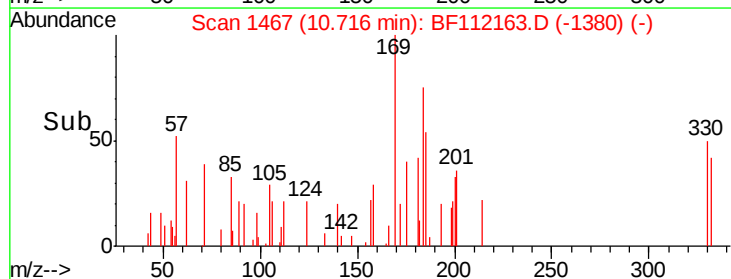
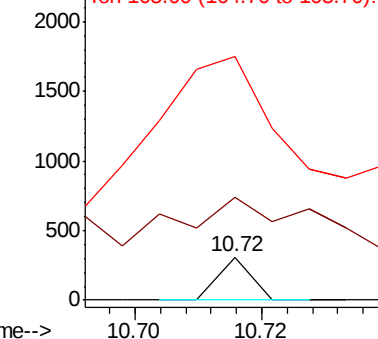
105 562.4 21.9 61.9#

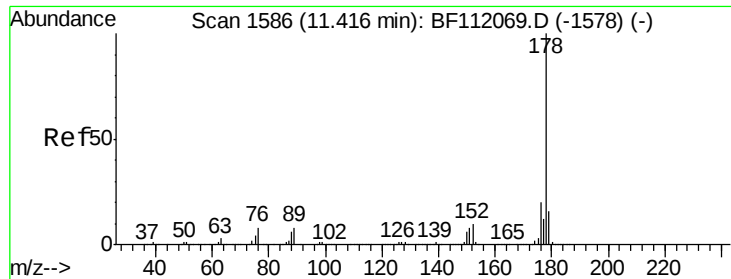


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

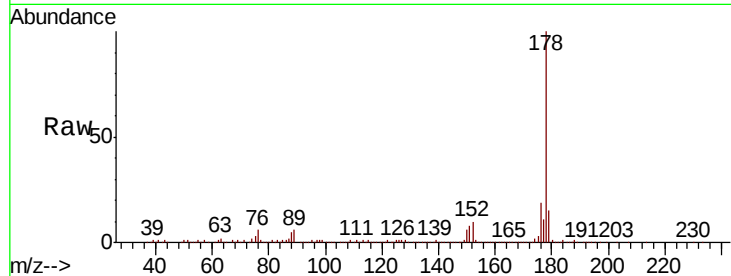




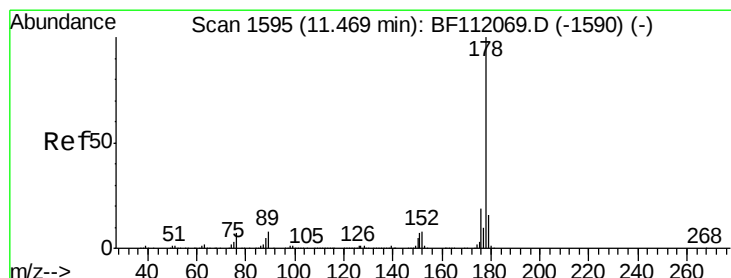
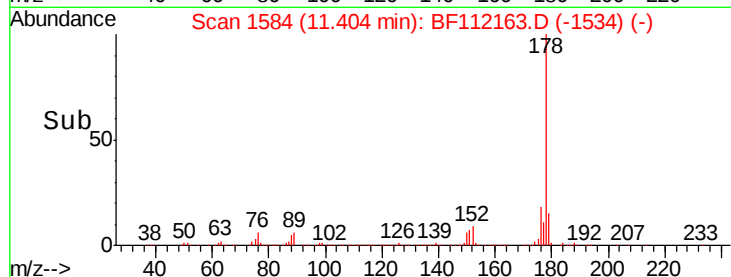
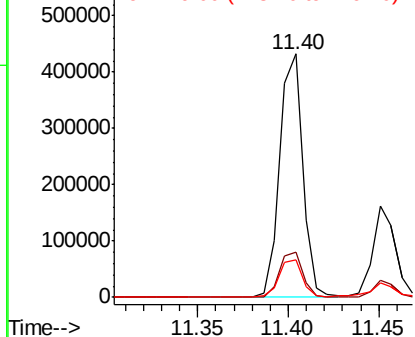
#71
Phenanthrene
Concen: 14.385 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-D

Tot Ion:178 Resp: 383153
Ion Ratio Lower Upper
178 100
176 18.5 16.3 24.5
179 15.5 13.0 19.4

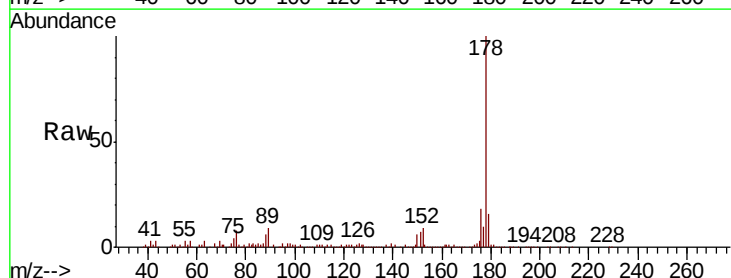


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

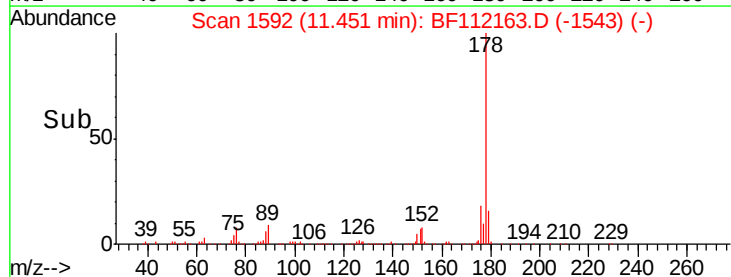
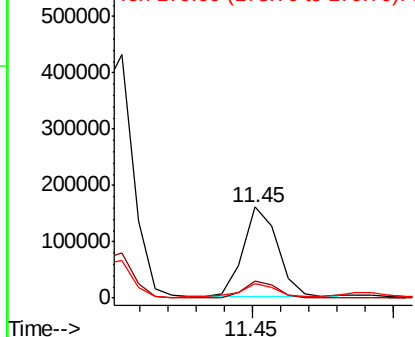


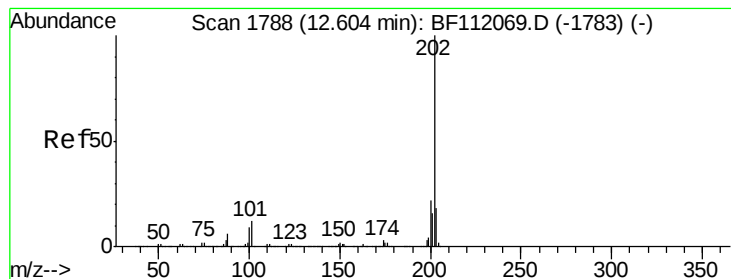
#72
Anthracene
Concen: 4.989 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Tgt Ion:178 Resp: 134602
Ion Ratio Lower Upper
178 100
176 18.2 15.5 23.3
179 16.1 12.8 19.2



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: 23.213 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

Instrument :

BNA_F

ClientSampleId :

PL-01-011819-D

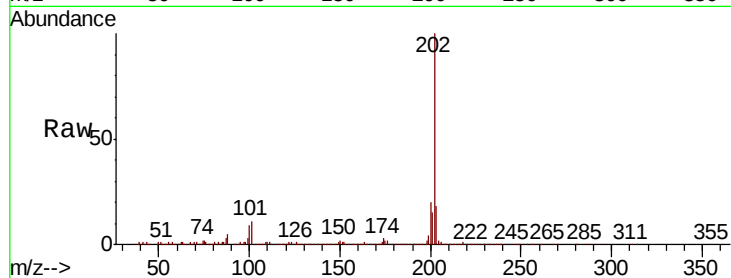
Tot Ion:202 Resp: 652818

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.8

203 17.8 0.0 38.4

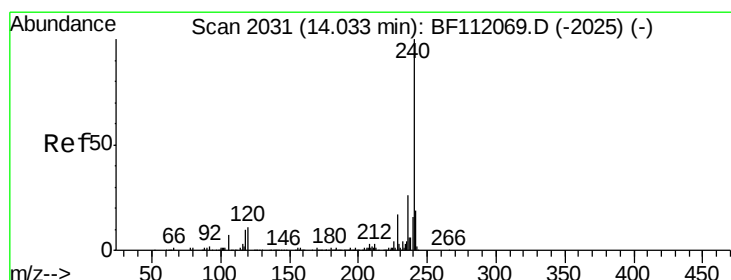
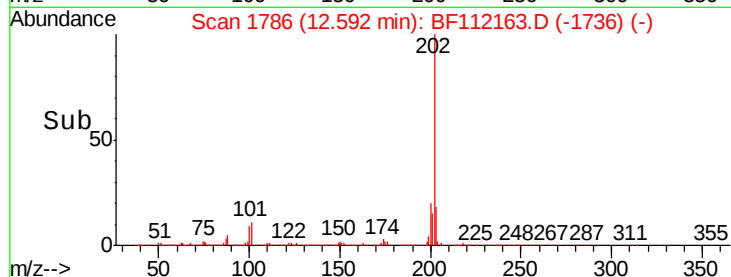
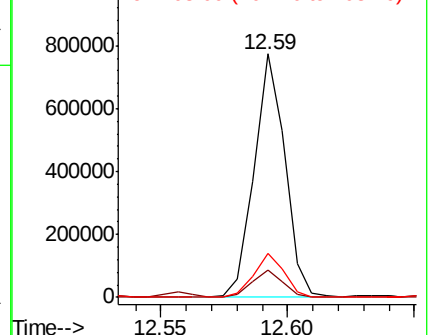


Abundance

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: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF112163.D

Acq: 21 Jan 2019 17:20

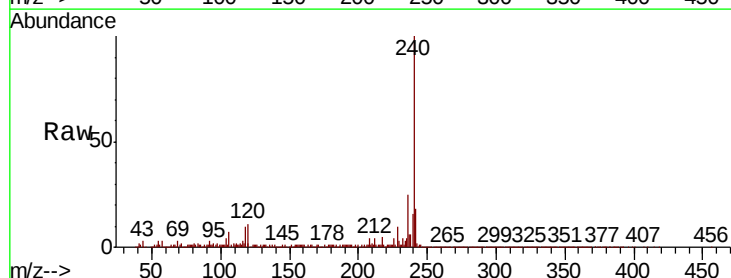
Tgt Ion:240 Resp: 449955

Ion Ratio Lower Upper

240 100

120 11.5 9.0 13.6

236 25.0 20.7 31.1

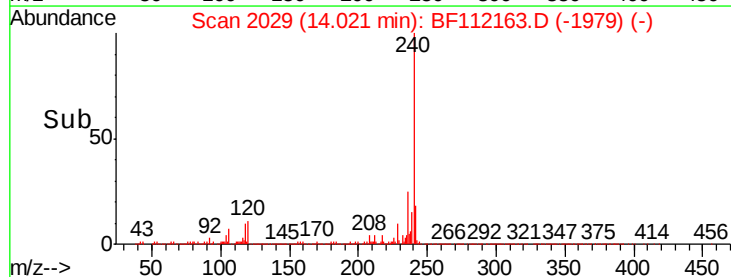
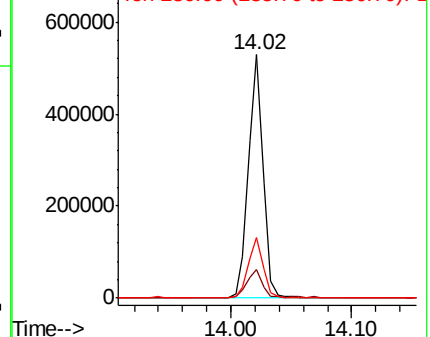


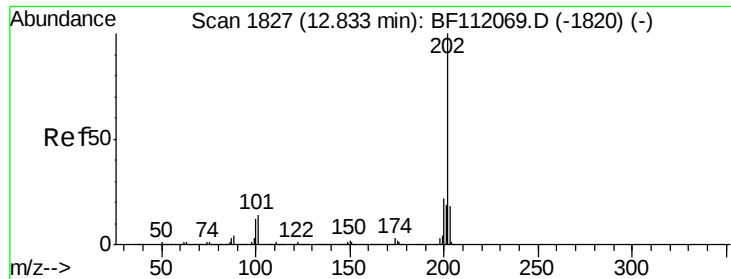
Abundance

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

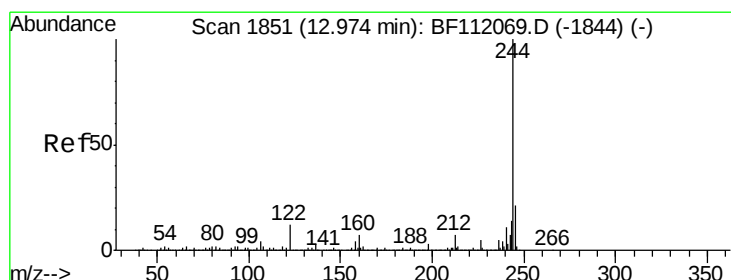
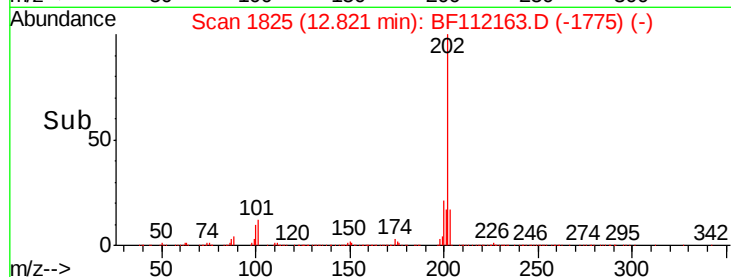
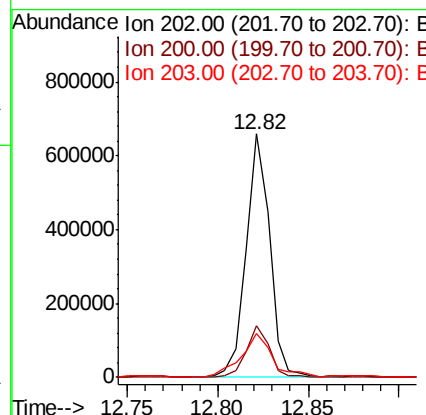
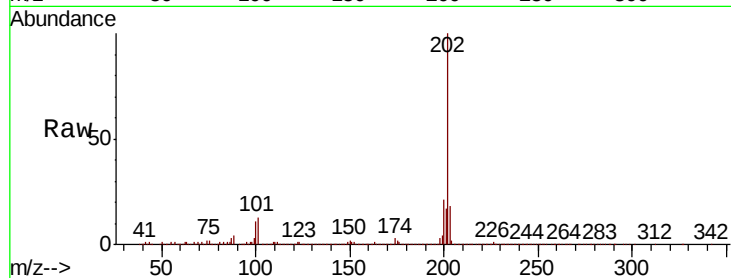




#78
Pvrene
Concen: 20.009 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

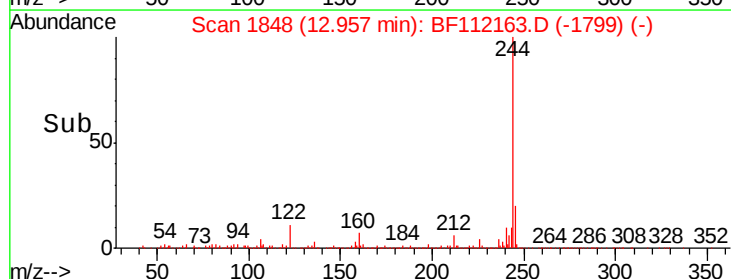
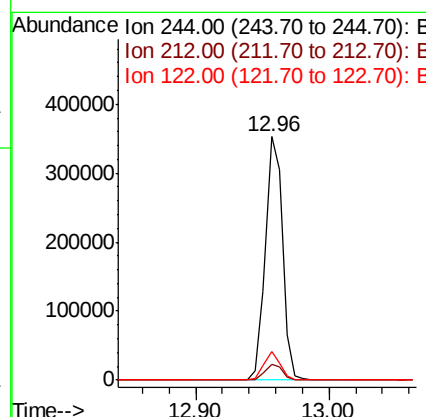
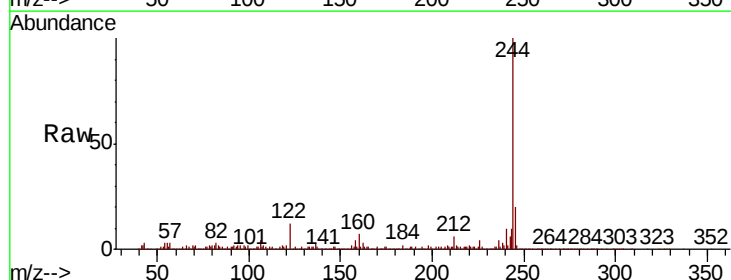
Instrument :
BNA_F
ClientSampleId :
PL-01-011819-D

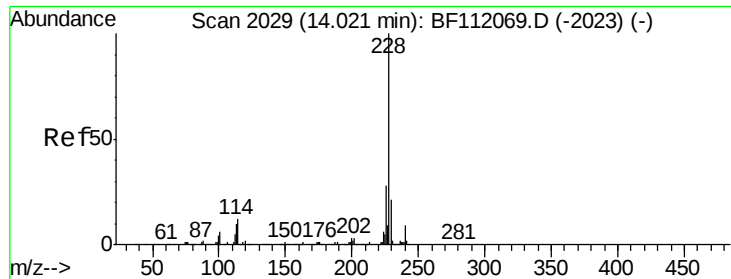
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.7	26.5
203	17.9	14.6	22.0



#79
Terphenyl-d14
Concen: 14.674 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.9	8.9
122	11.6	9.8	14.6

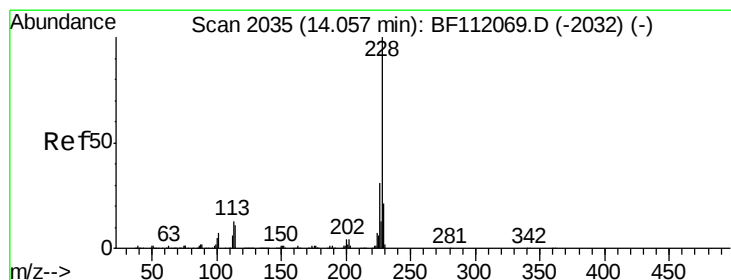
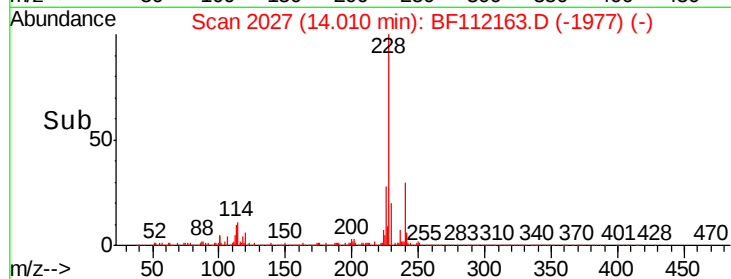
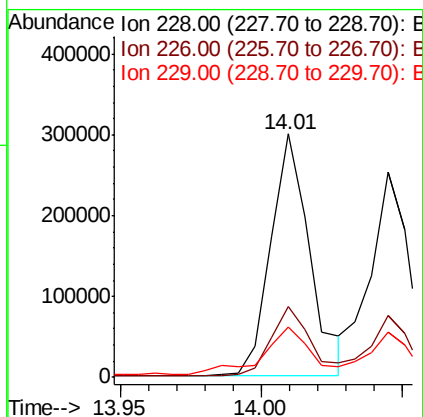
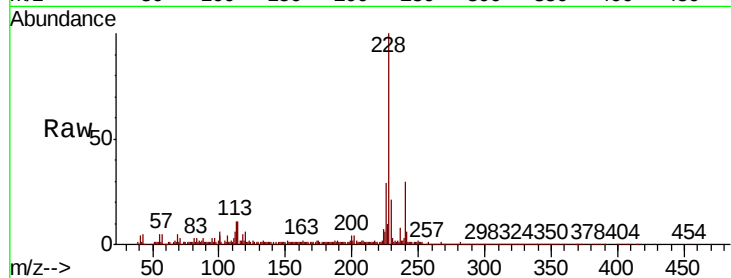




#81
Benzo(a)anthracene
Concen: 11.098 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

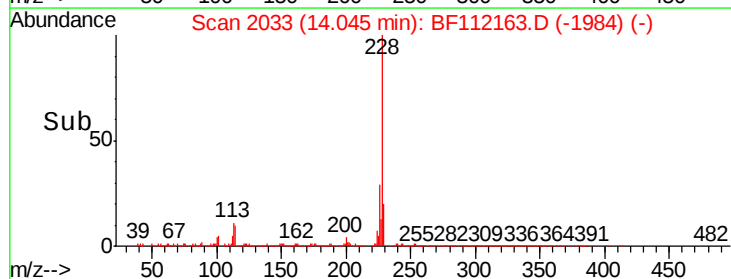
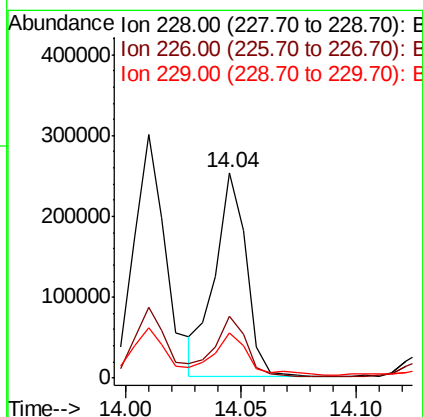
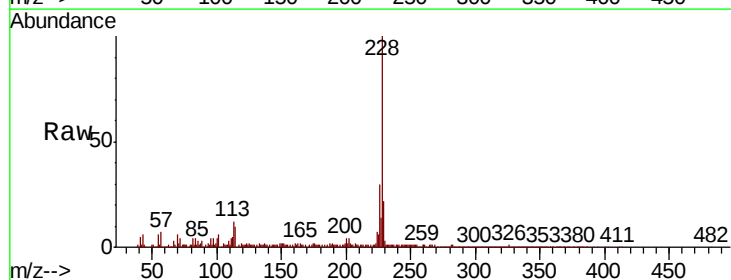
Instrument :
BNA_F
ClientSampleId :
PL-01-011819-D

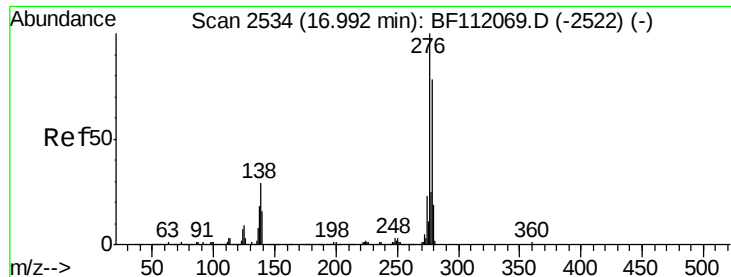
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	34.0
229	20.8	16.5	24.7



#83
Chrysene
Concen: 9.655 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	22.1	16.6	24.8

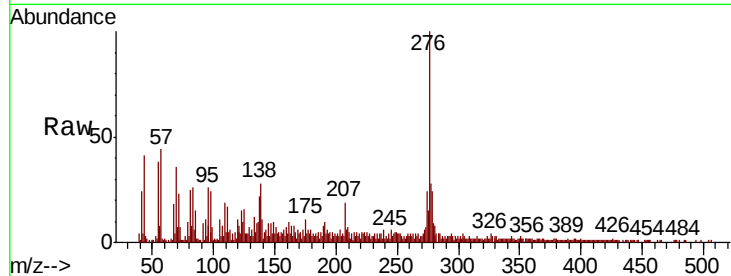




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.050 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-D

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.6	22.6	34.0
277	25.1	20.3	30.5

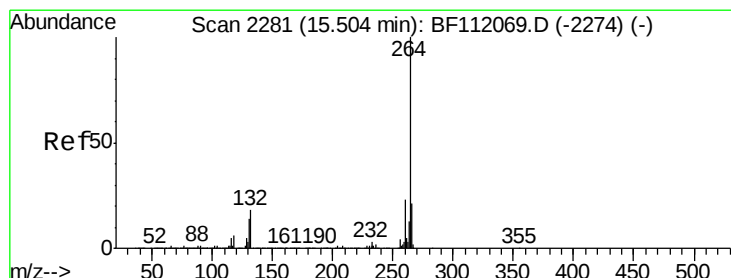
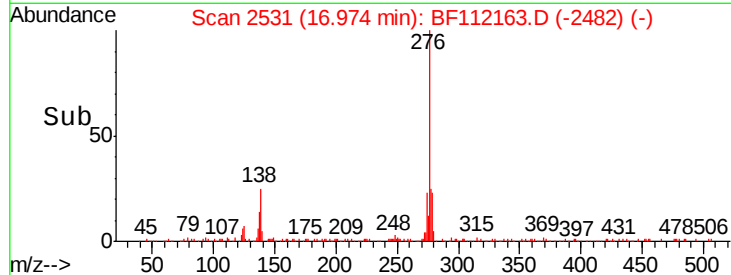
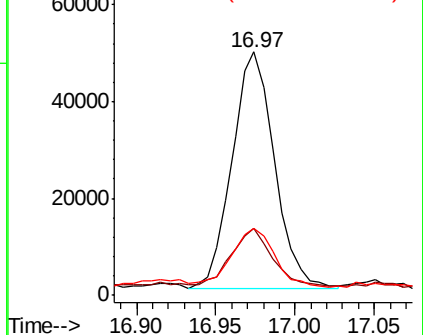


Abundance

Ion 276.00 (275.70 to 276.70): E

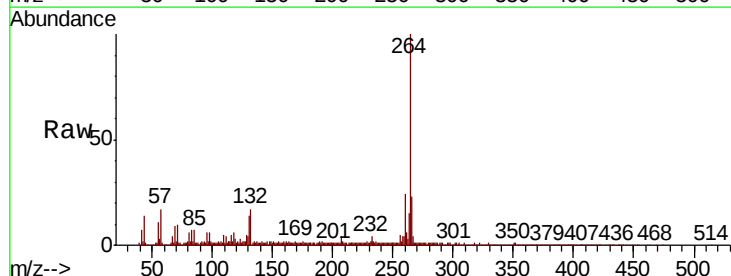
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.2
265	22.6	17.0	25.4

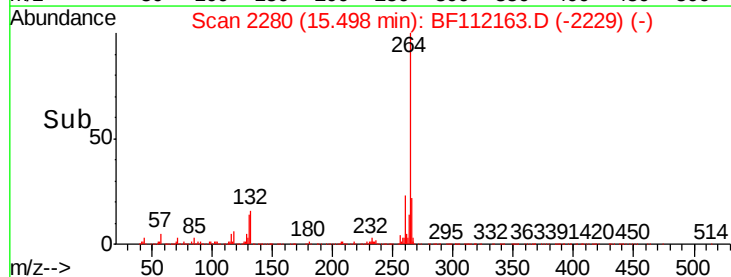
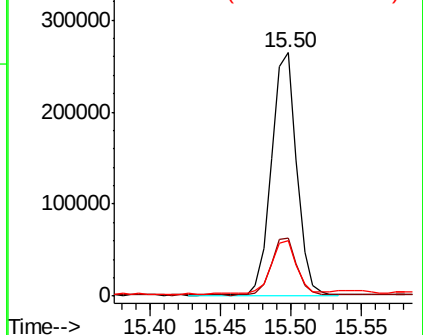


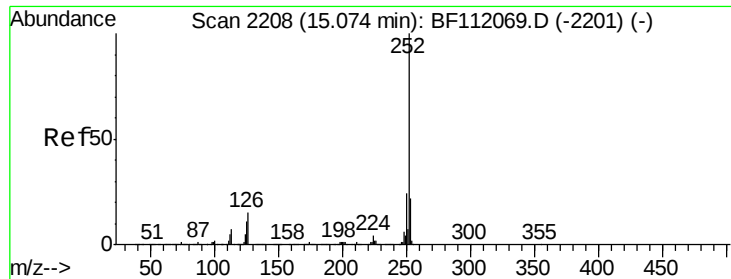
Abundance

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

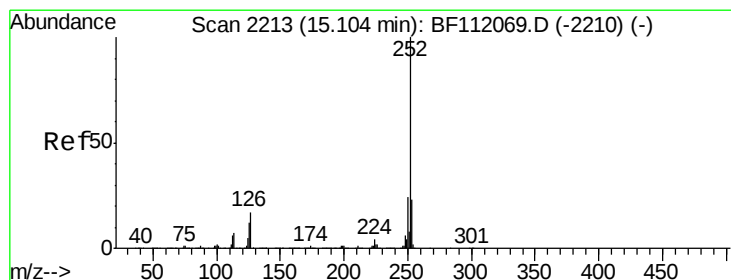
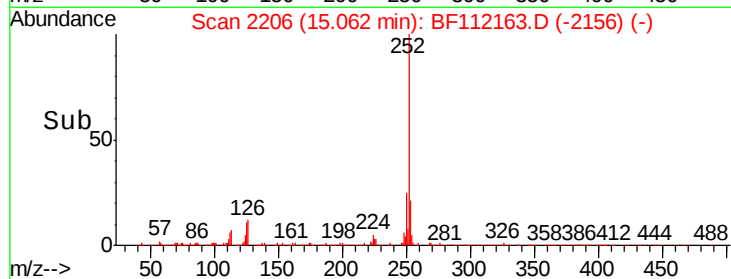
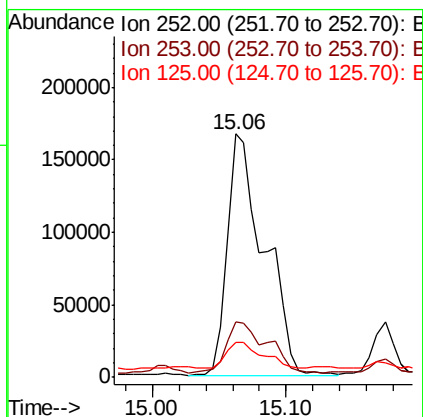
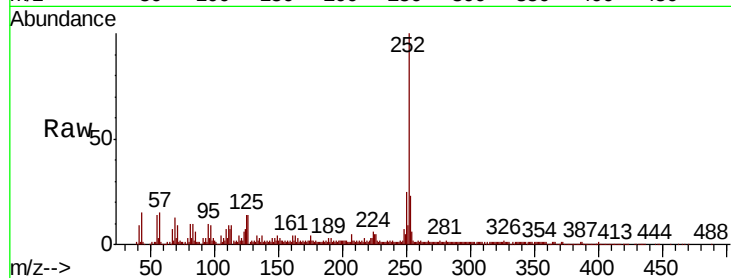




#88
Benzo(b)fluoranthene
Concen: 17.167 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

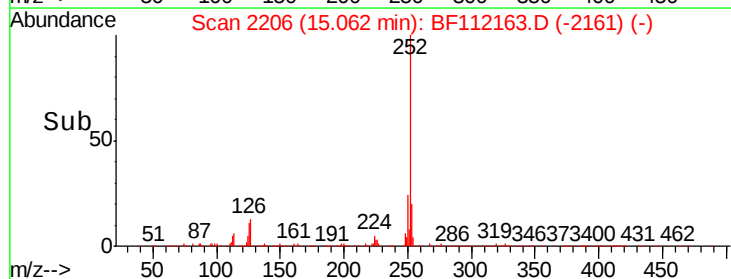
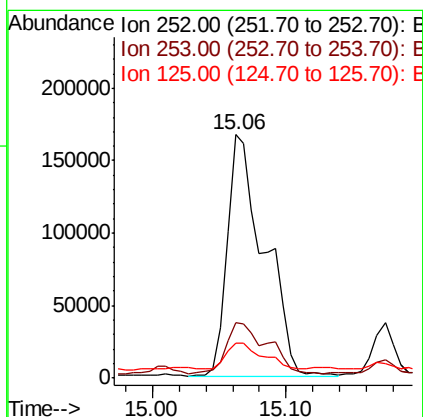
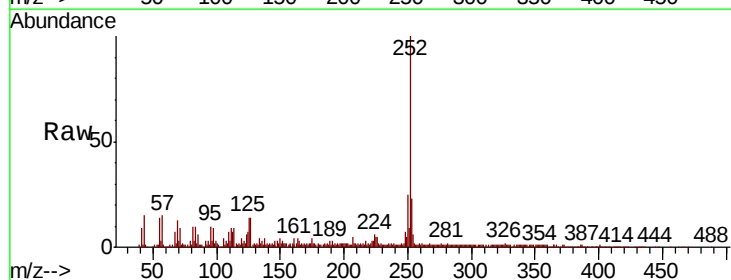
Instrument :
BNA_F
ClientSampleId :
PL-01-011819-D

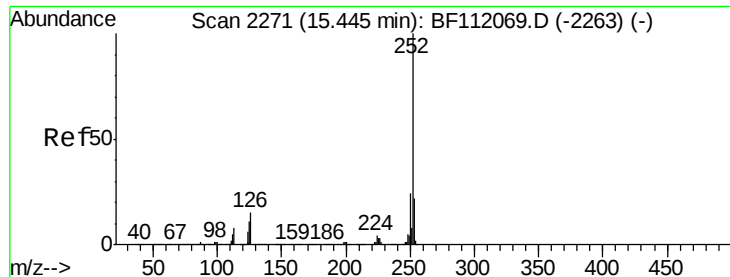
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	14.2	8.7	13.1#



#89
Benzo(k)fluoranthene
Concen: 17.737 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.04 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	14.2	9.1	13.7#

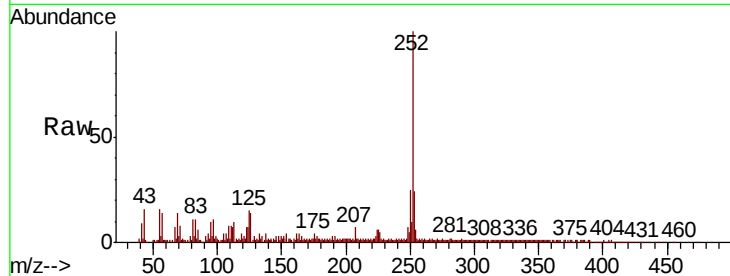




#90
Benzo(a)pyrene
Concen: 9.934 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	14.9	9.0	13.4

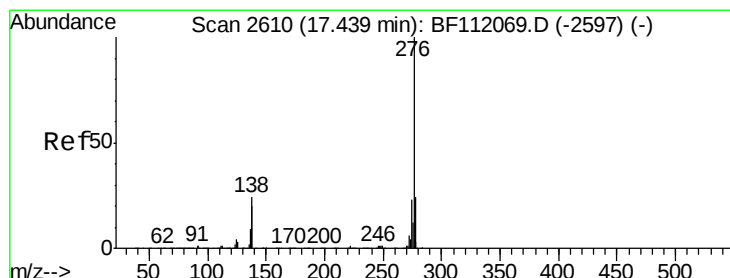
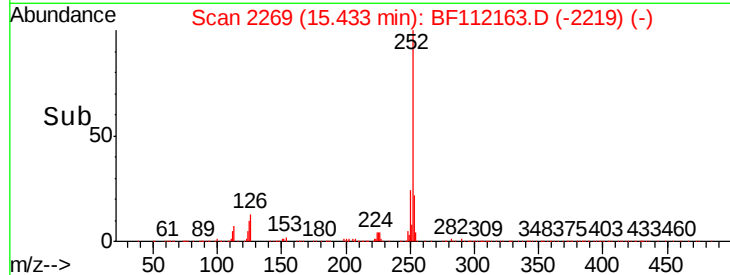
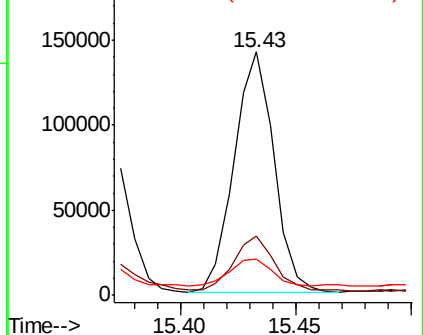


Abundance

Ion 252.00 (251.70 to 252.70): E

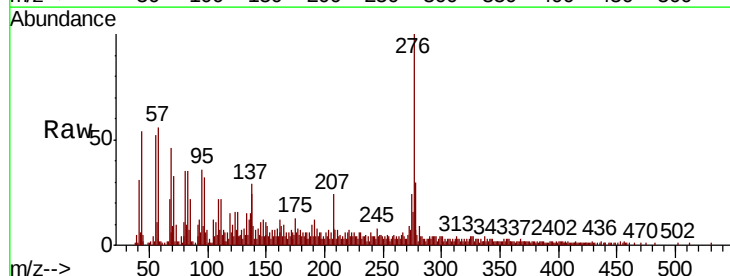
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 5.590 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.01 min
Lab File: BF112163.D
Acq: 21 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.1	19.4	29.0
138	24.5	19.1	28.7



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

