

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042420\
 Data File : BF120206.D
 Acq On : 24 Apr 2020 17:03
 Operator : MA/SJ
 Sample : L2375-02
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-16A

Quant Time: Apr 24 17:42:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 24 10:24:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	133988	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	484007	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	214585	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	325689	20.00	ng	0.00
76) Chrysene-d12	13.83	240	243583	20.00	ng	0.00
87) Perylene-d12	15.23	264	195808	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	641564	82.75	ng	0.00
7) Phenol-d6	6.32	99	827938	82.87	ng	0.00
23) Nitrobenzene-d5	7.23	82	505274	54.01	ng	0.00
42) 2,4,6-Tribromophenol	10.49	330	143332	54.56	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	928313	61.42	ng	0.00
79) Terphenyl-d14	12.77	244	747123	51.61	ng	0.00

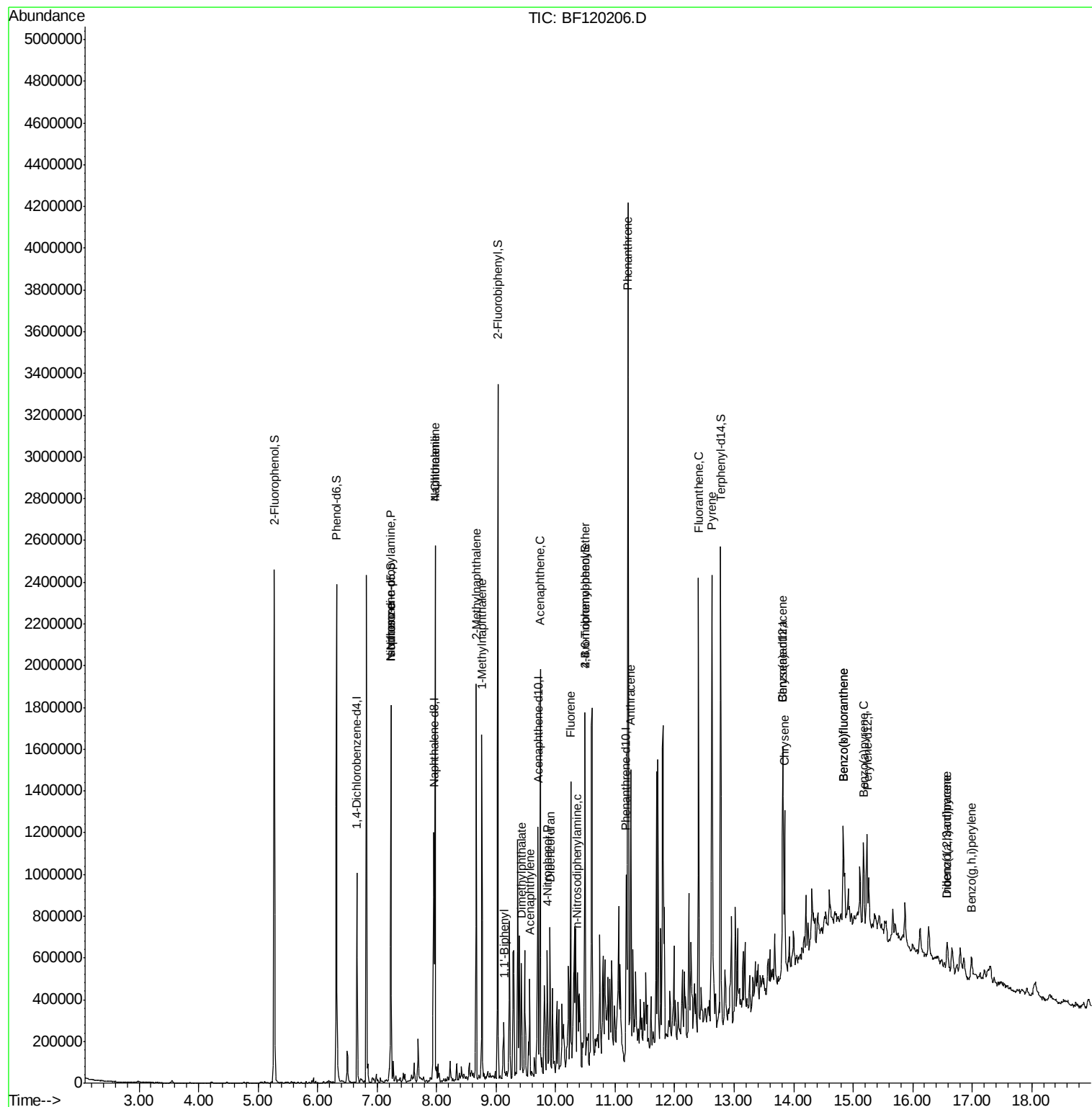
Target Compounds				Qvalue		
9) Benzaldehyde	6.21	77	1020	Below Cal	#	32
19) n-Nitroso-di-n-propylamine	7.23	70	67217	10.463	ng	73
25) Isophorone	7.23	82	500491	27.751	ng	65
31) Naphthalene	7.97	128	966019	37.935	ng	98
33) 4-Chloroaniline	7.97	127	127507	11.502	ng	30
37) 2-Methylnaphthalene	8.66	142	467530	27.080	ng	98
38) 1-Methylnaphthalene	8.76	142	368611	22.652	ng	99
46) 1,1'-Biphenyl	9.13	154	67439	3.723	ng	93
49) Acenaphthylene	9.56	152	45452	2.142	ng	# 82
50) Dimethylphthalate	9.43	163	181009	10.906	ng	99
52) Acenaphthene	9.74	154	392381	27.721	ng	97
55) Dibenzofuran	9.91	168	122339	6.298	ng	# 92
56) 4-Nitrophenol	9.86	139	7294	2.362	ng	# 24
58) Fluorene	10.25	166	328609	21.154	ng	99
66) n-Nitrosodiphenylamine	10.36	169	37525	3.464	ng	# 1
67) 4-Bromophenyl-phenylether	10.49	248	8780	2.168	ng	# 1
71) Phenanthrene	11.22	178	1609436	92.851	ng	99
72) Anthracene	11.26	178	484270	27.349	ng	98
75) Fluoranthene	12.40	202	827552	44.248	ng	97
78) Pvrene	12.63	202	988911	48.159	ng	99
81) Benzo(a)anthracene	13.82	228	318072	19.849	ng	97
83) Chrysene	13.85	228	311403	19.125	ng	96
86) Indeno(1,2,3-cd)pyrene	16.58	276	78608	5.477	ng	# 95
88) Benzo(b)fluoranthene	14.83	252	302731	21.492	ng	# 93
89) Benzo(k)fluoranthene	14.83	252	302731	24.909	ng	# 95
90) Benzo(a)pyrene	15.17	252	167576	14.149	ng	97
91) Dibenzo(a,h)anthracene	16.59	278	23952	2.283	ng	# 70
92) Benzo(g,h,i)perylene	16.99	276	78202	7.552	ng	94

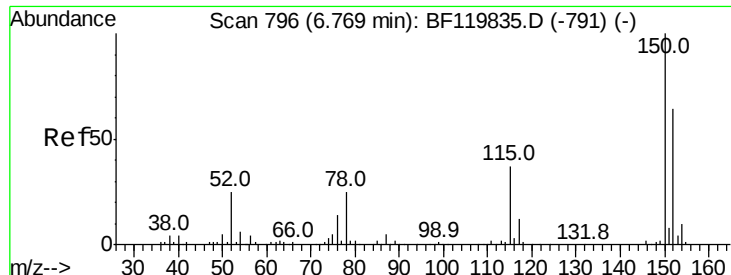
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.66 min Scan# 778

Delta R.T. 0.00 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

Instrument :

BNA_F

ClientSampleId :

TP-16A

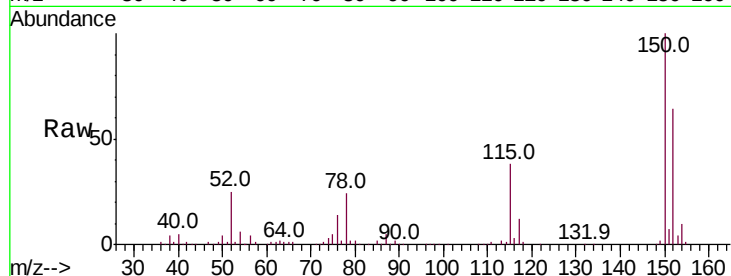
Tot Ion:152 Resp: 133988

Ion Ratio Lower Upper

152 100

150 155.8 124.5 186.7

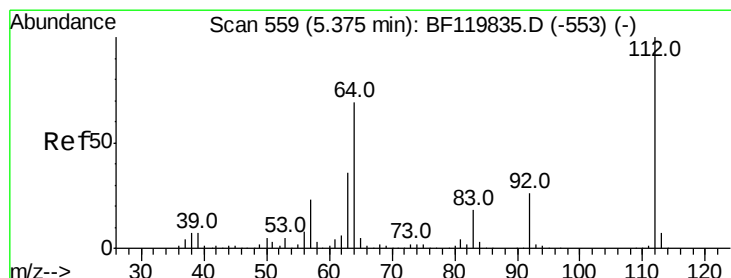
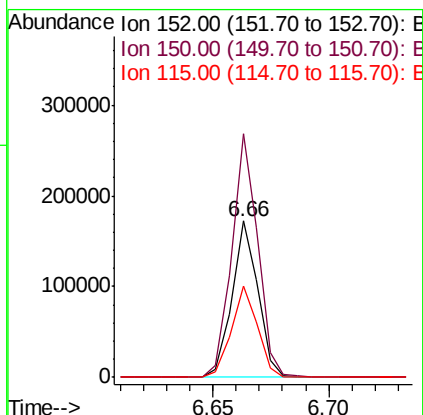
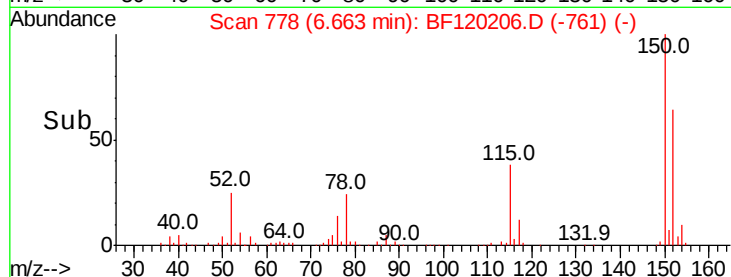
115 58.8 49.6 74.4



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: 82.749 ng

RT: 5.27 min Scan# 542

Delta R.T. 0.01 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

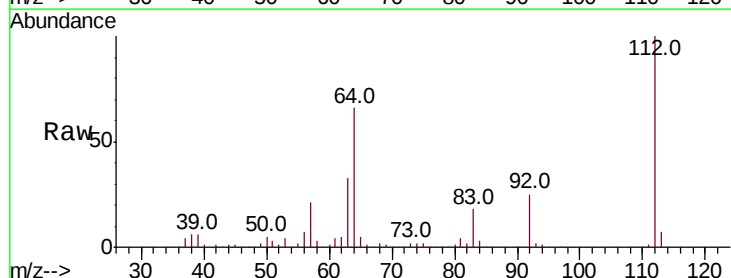
Tgt Ion:112 Resp: 641564

Ion Ratio Lower Upper

112 100

64 65.7 56.7 85.1

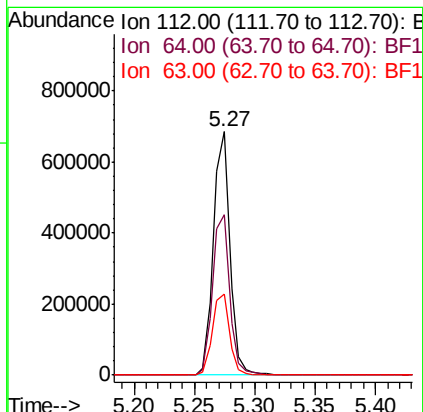
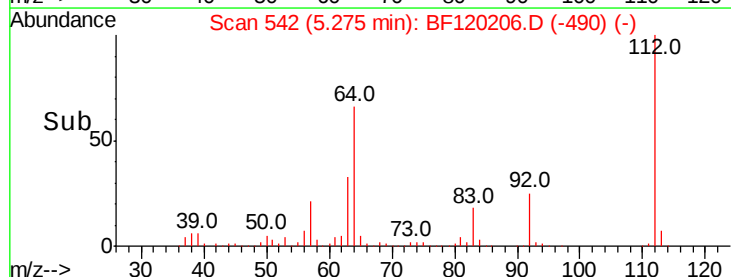
63 33.2 29.5 44.3



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: 82.874 ng

RT: 6.32 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

Instrument :

BNA_F

ClientSampleId :

TP-16A

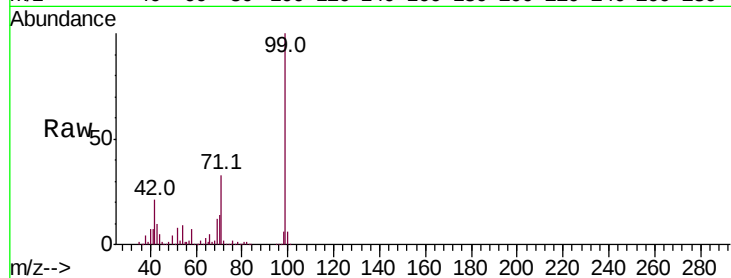
Tot Ion: 99 Resp: 827938

Ion Ratio Lower Upper

99 100

42 20.8 16.6 24.8

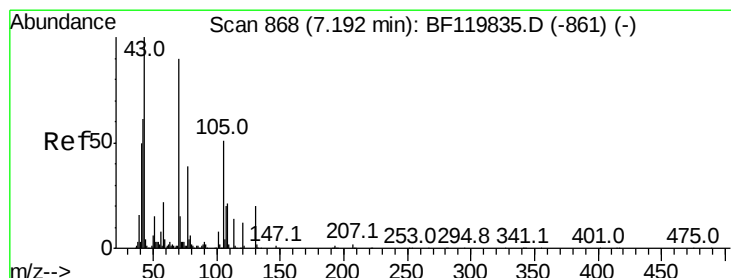
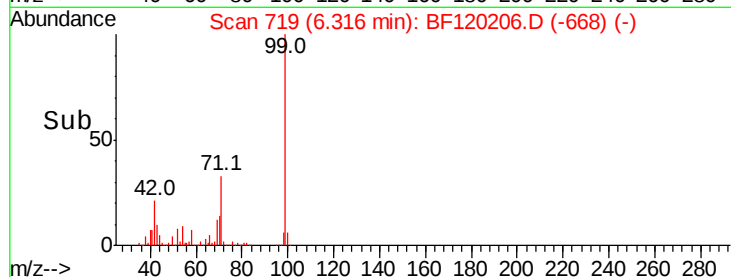
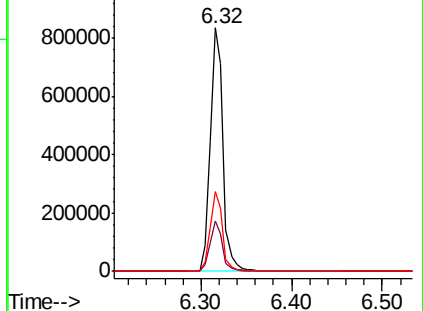
71 33.0 26.4 39.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.463 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.14 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

Tgt Ion: 70 Resp: 67217

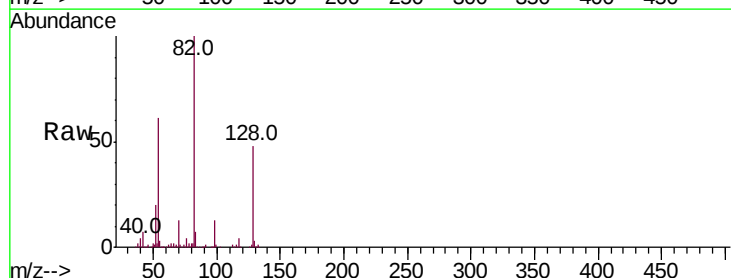
Ion Ratio Lower Upper

70 100

42 49.9 54.5 81.7#

101 0.0 7.6 11.4#

130 2.3 17.6 26.4#

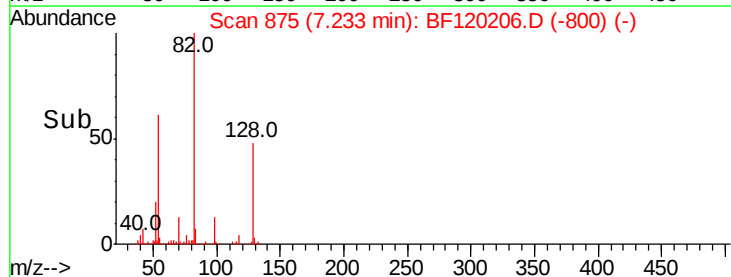
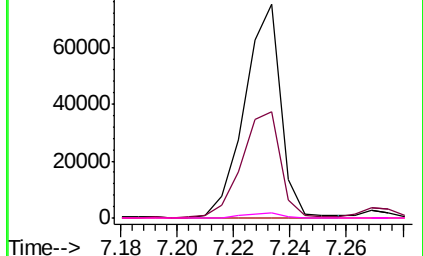


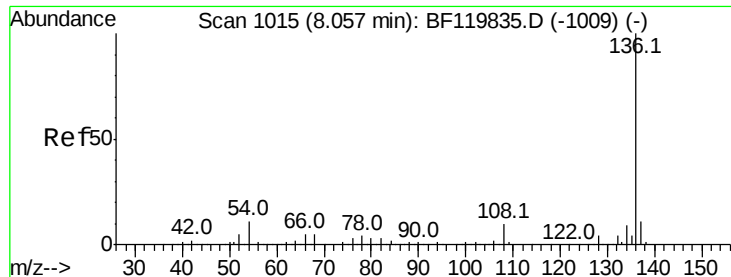
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.00 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

Instrument :

BNA_F

ClientSampleId :

TP-16A

Tot Ion:136 Resp: 484007

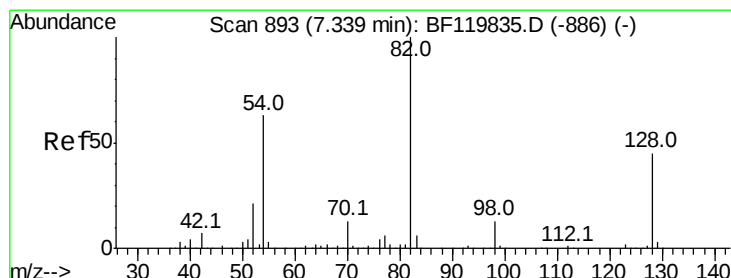
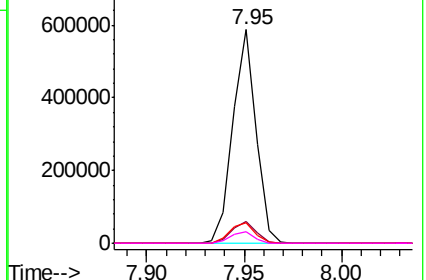
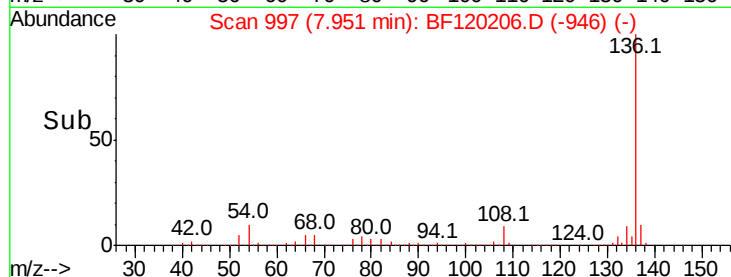
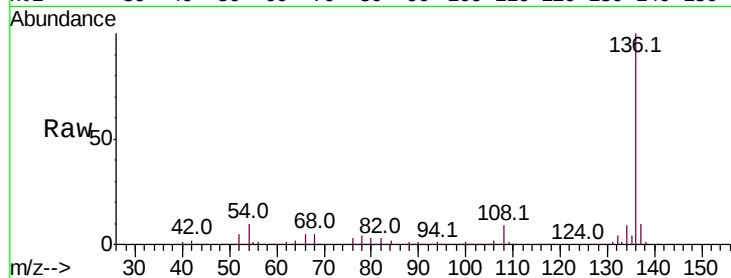
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.7	13.1
54	9.5	9.1	13.7
68	5.1	4.6	6.8

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: 54.007 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.01 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

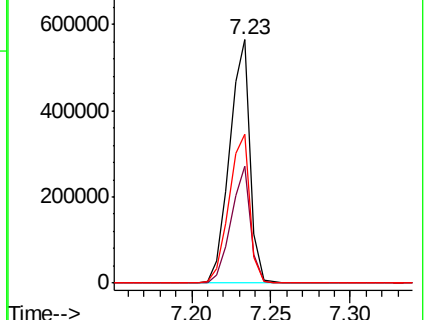
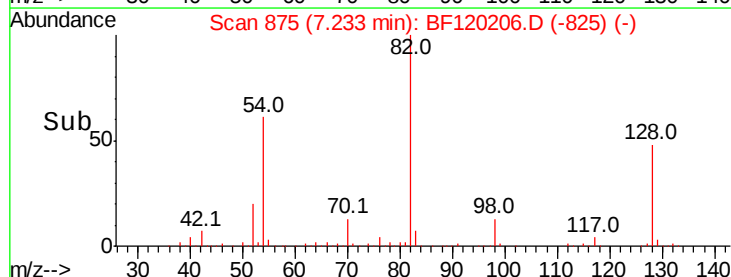
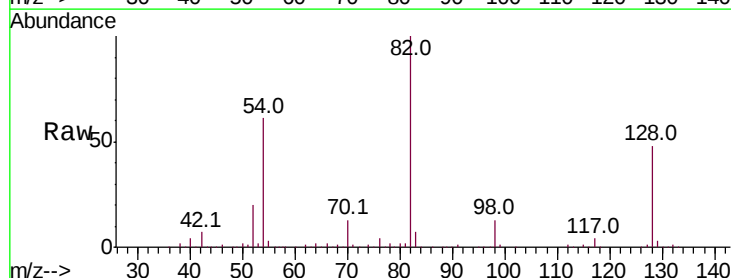
Tgt Ion: 82 Resp: 505274

Ion	Ratio	Lower	Upper
82	100		
128	48.2	36.3	54.5
54	61.0	50.6	75.8

Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 27.751 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.26 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

Instrument :

BNA_F

ClientSampleId :

TP-16A

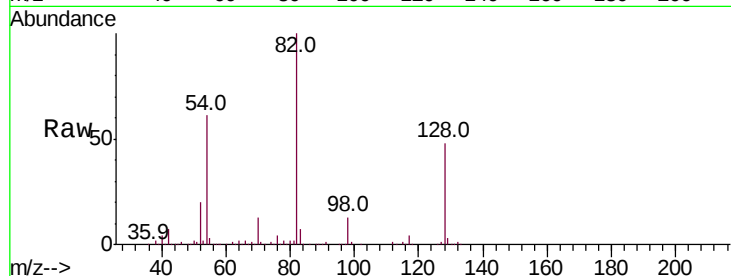
Tot Ion: 82 Resp: 500491

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

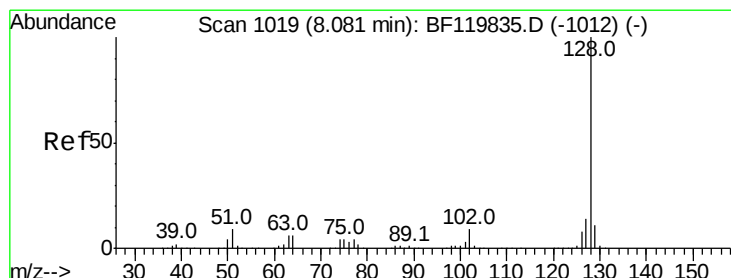
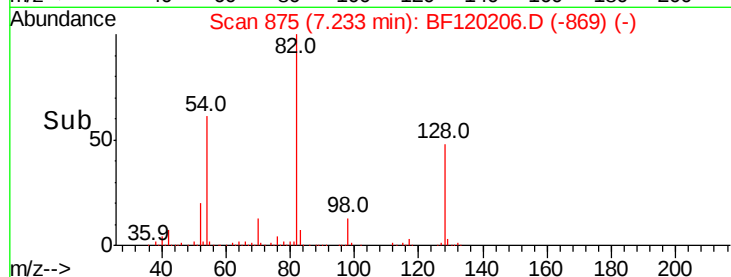
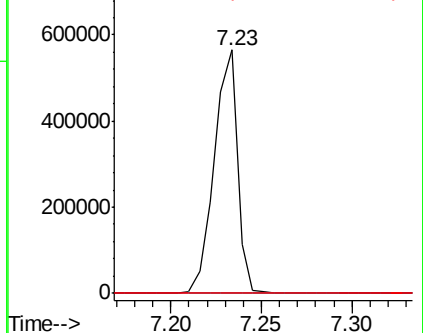
138 0.0 14.6 21.8#



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



#31

Naphthalene

Concen: 37.935 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

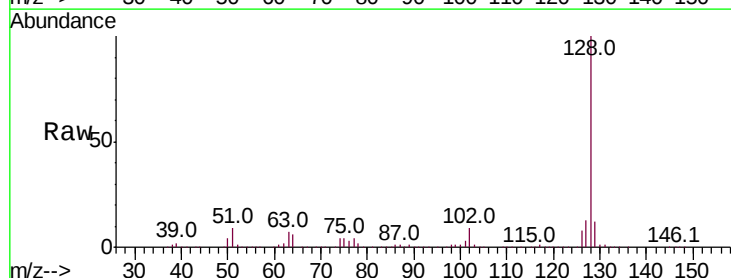
Tgt Ion: 128 Resp: 966019

Ion Ratio Lower Upper

128 100

129 11.5 9.5 14.3

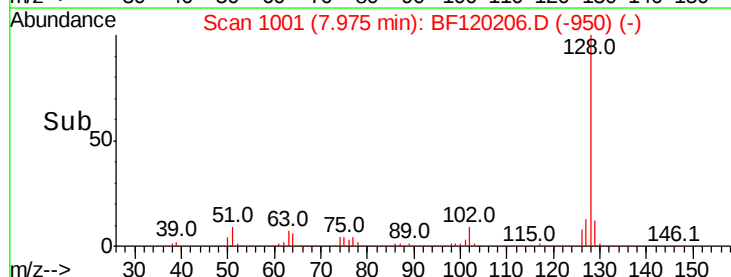
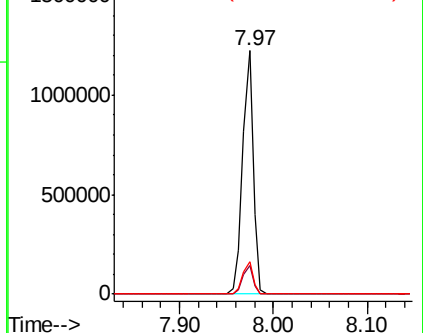
127 13.1 11.3 16.9

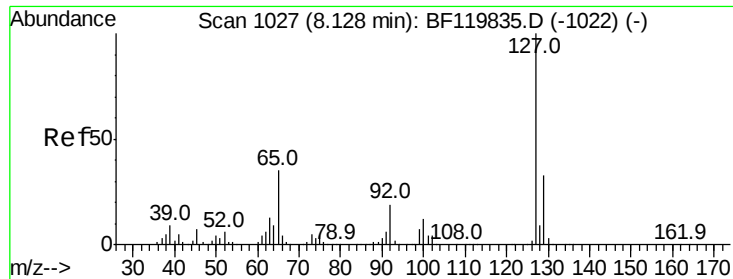


Abundance Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1

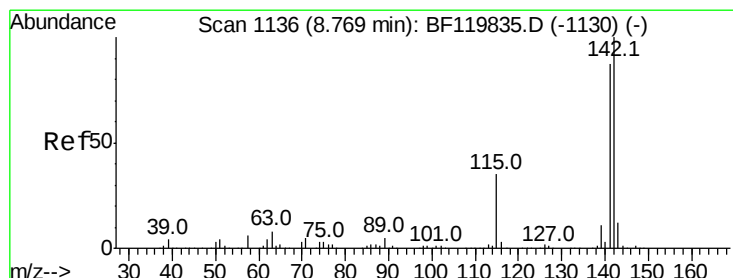
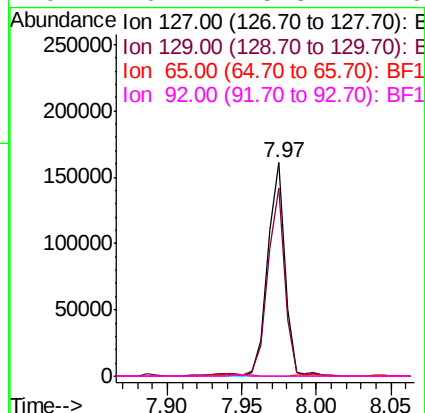
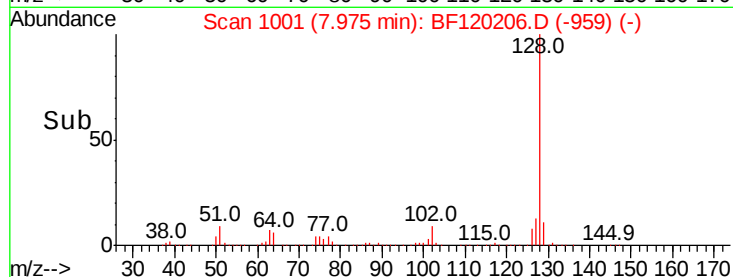
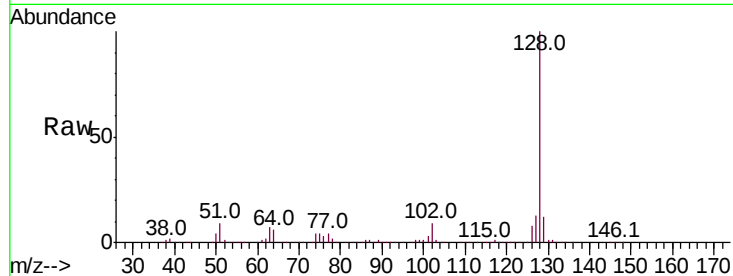




#33
 4-Chloroaniline
 Concen: 11.502 ng
 RT: 7.97 min Scan# 1001
 Delta R.T. -0.05 min
 Lab File: BF120206.D
 Acq: 24 Apr 2020 17:03

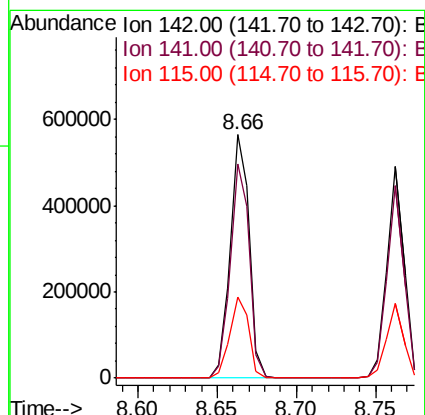
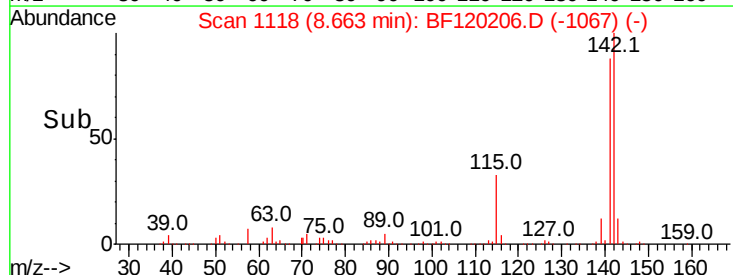
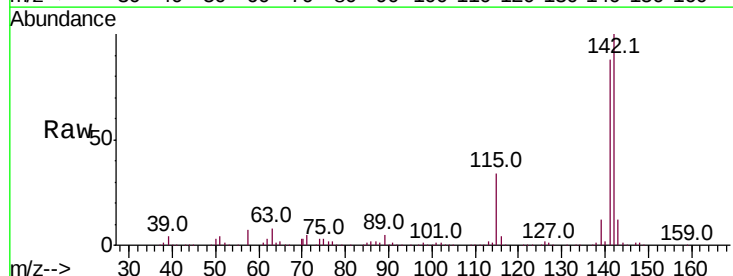
Instrument :
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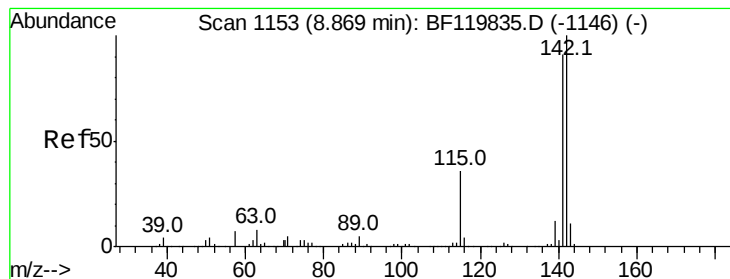
Tot Ion:	127	Resp:	127507
Ion	Ratio	Lower	Upper
127	100		
129	87.8	26.2	39.4#
65	0.0	27.4	41.0#
92	0.2	15.3	22.9#



#37
 2-Methylnaphthalene
 Concen: 27.080 ng
 RT: 8.66 min Scan# 1118
 Delta R.T. 0.00 min
 Lab File: BF120206.D
 Acq: 24 Apr 2020 17:03

Tgt Ion:	142	Resp:	467530
Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.7	107.5
115	33.5	27.9	41.9





#38

1-Methylnaphthalene

Concen: 22.652 ng

RT: 8.76 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

Instrument :

BNA_F

ClientSampleId :

TP-16A

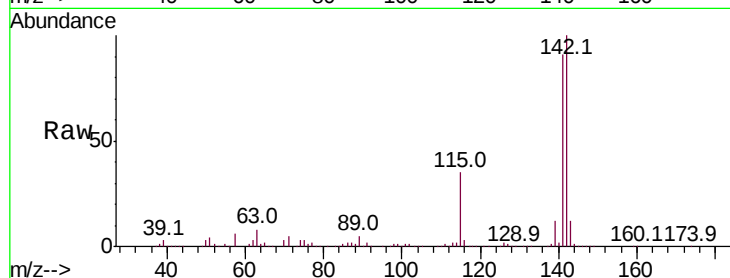
Tot Ion:142 Resp: 368611

Ion Ratio Lower Upper

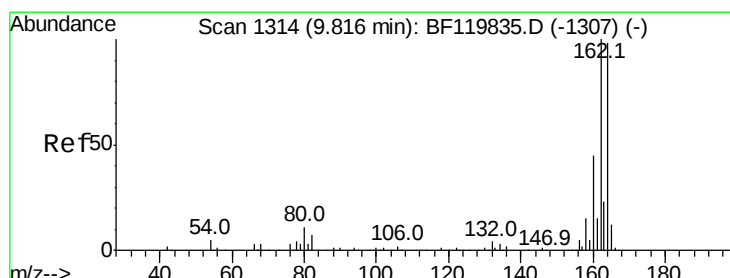
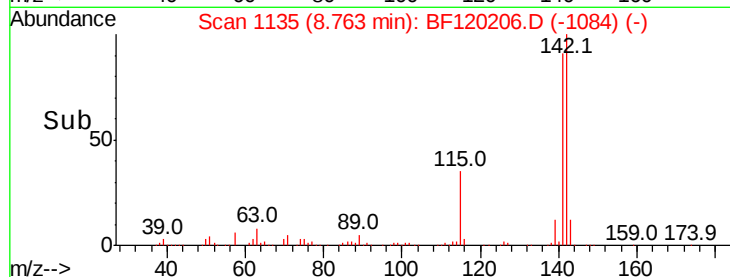
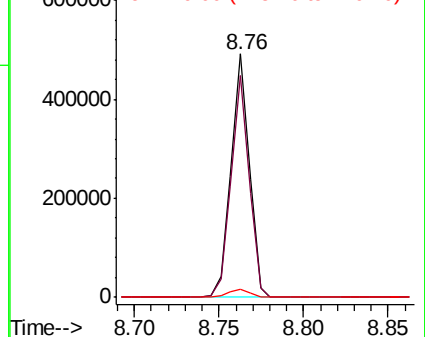
142 100

141 91.0 73.7 110.5

116 3.4 3.0 4.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

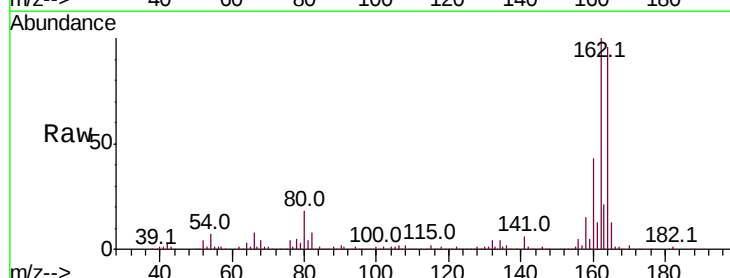
Tgt Ion:164 Resp: 214585

Ion Ratio Lower Upper

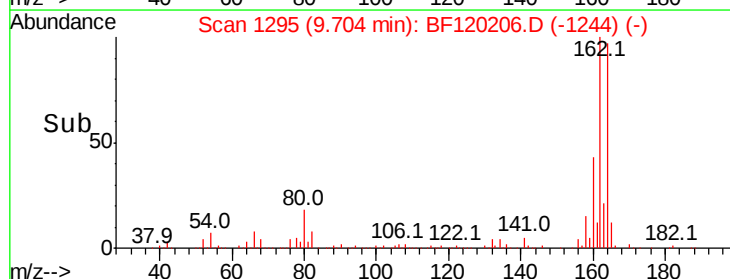
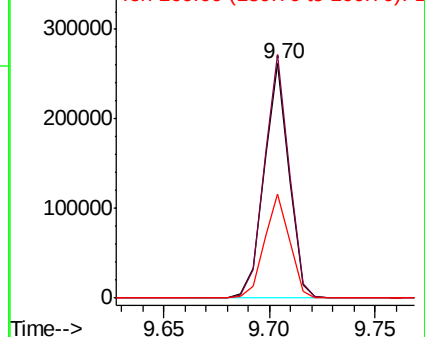
164 100

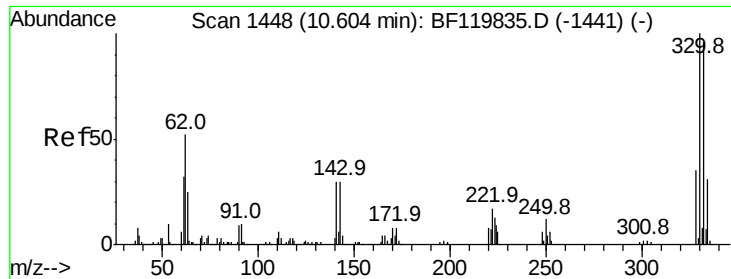
162 104.0 80.6 121.0

160 44.6 35.7 53.5



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

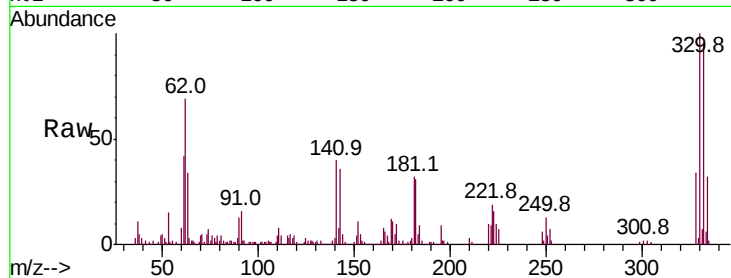




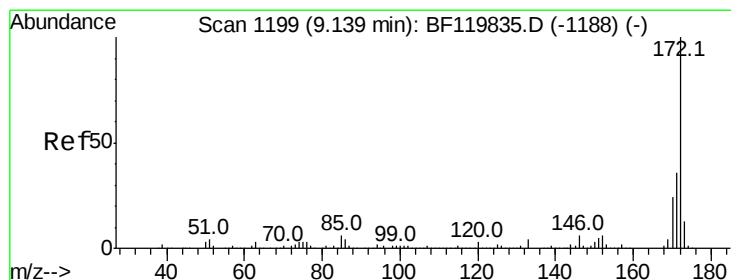
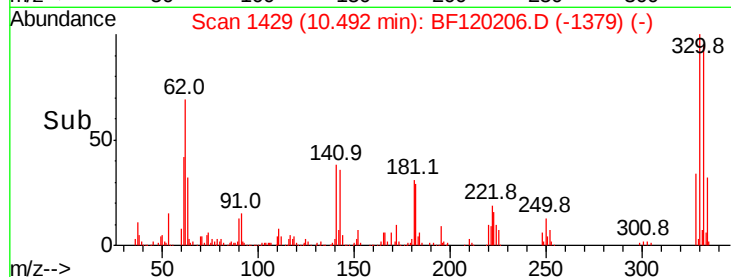
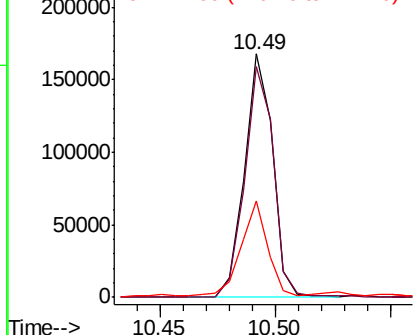
#42
 2,4,6-Tribromophenol
 Concen: 54.556 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF120206.D
 Acq: 24 Apr 2020 17:03

Instrument :
 BNA_F
 ClientSampled :
 TP-16A

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	75.7	113.5
141	36.5	25.4	38.0

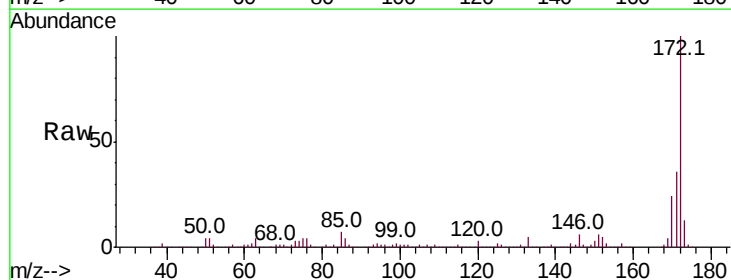


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

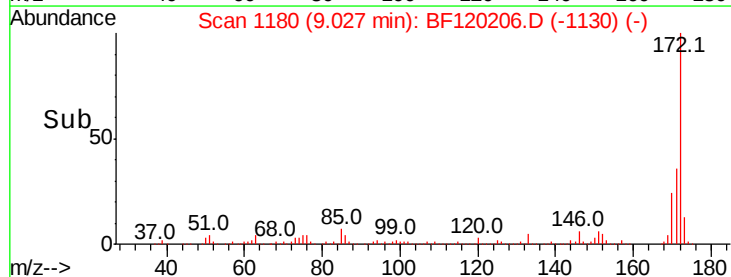
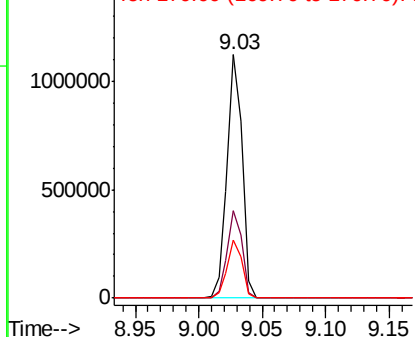


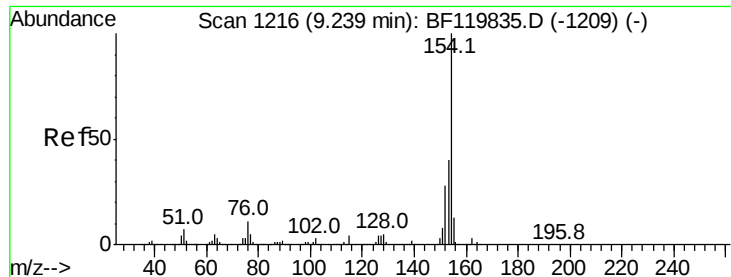
#45
 2-Fluorobiphenyl
 Concen: 61.421 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF120206.D
 Acq: 24 Apr 2020 17:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.7	20.2	30.2



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





#46

1,1'-Biphenyl

Concen: 3.723 ng

RT: 9.13 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

Instrument :

BNA_F

ClientSampleId :

TP-16A

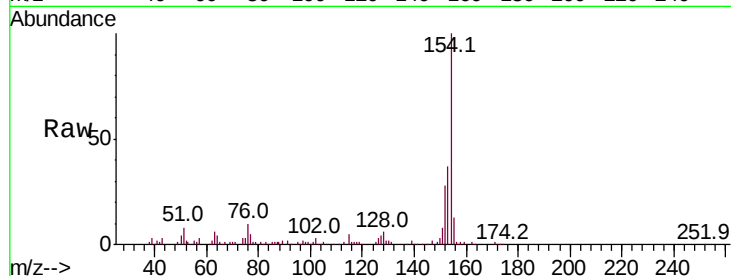
Tot Ion:154 Resp: 67439

Ion Ratio Lower Upper

154 100

153 37.4 21.4 61.4

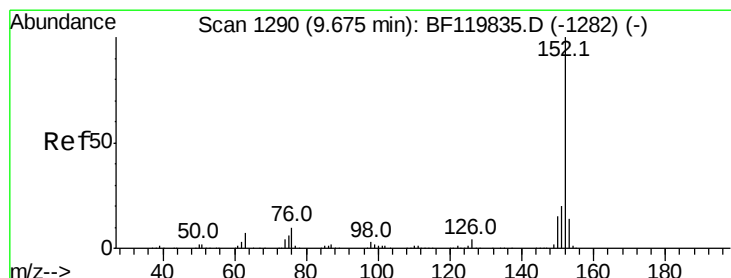
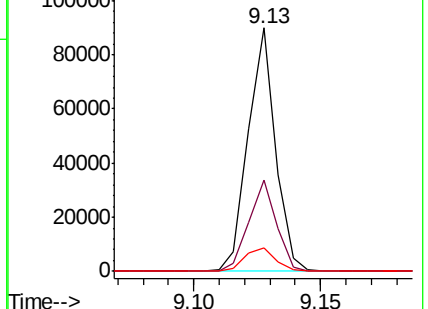
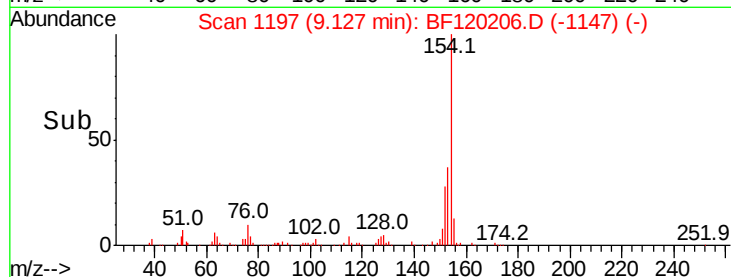
76 9.9 0.0 33.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#49

Acenaphthylene

Concen: 2.142 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

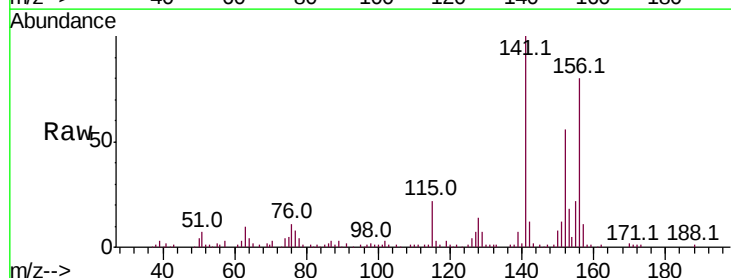
Tgt Ion:152 Resp: 45452

Ion Ratio Lower Upper

152 100

151 21.2 17.2 25.8

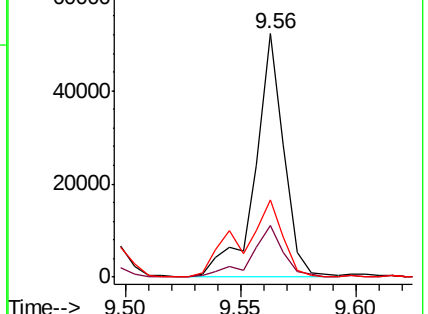
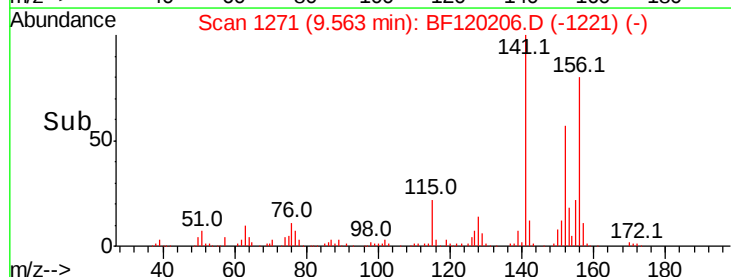
153 31.9 11.2 16.8#

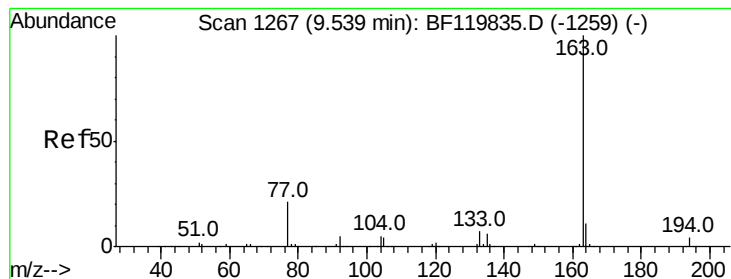


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 10.906 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.01 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

Instrument :

BNA_F

ClientSampleId :

TP-16A

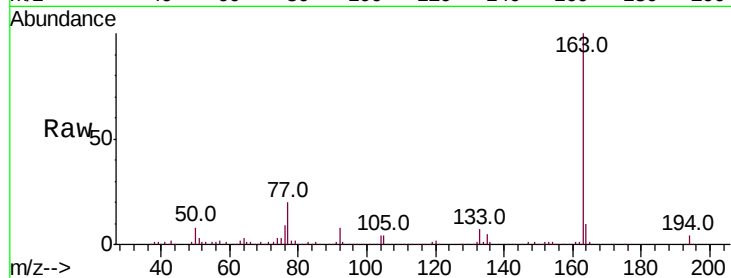
Tot Ion:163 Resp: 181009

Ion Ratio Lower Upper

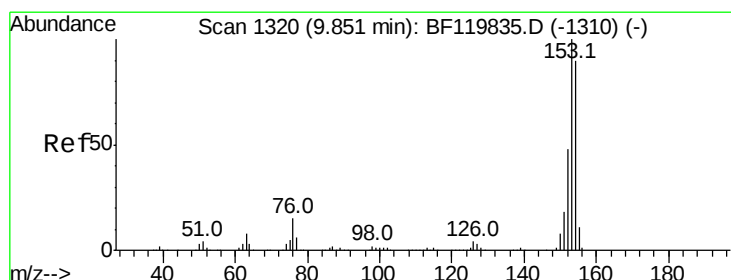
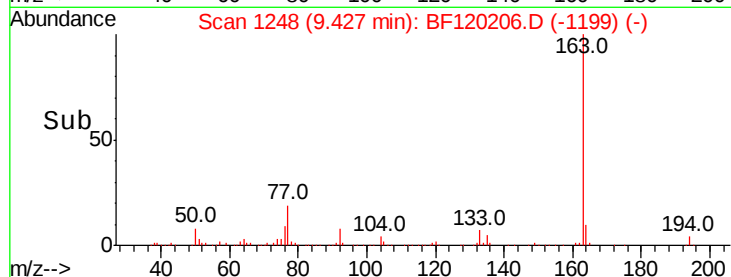
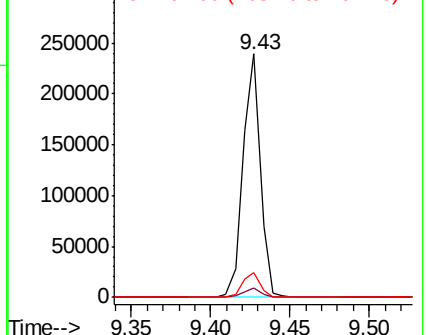
163 100

194 4.0 3.1 4.7

164 9.9 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



#52

Acenaphthene

Concen: 27.721 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

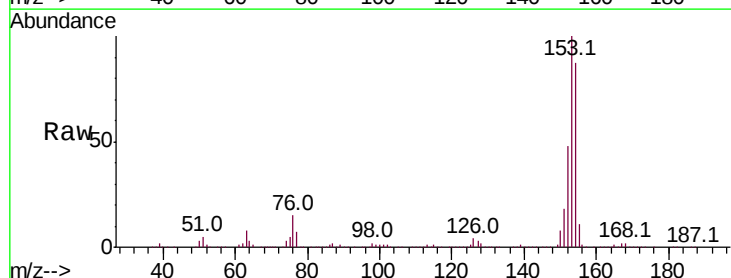
Tgt Ion:154 Resp: 392381

Ion Ratio Lower Upper

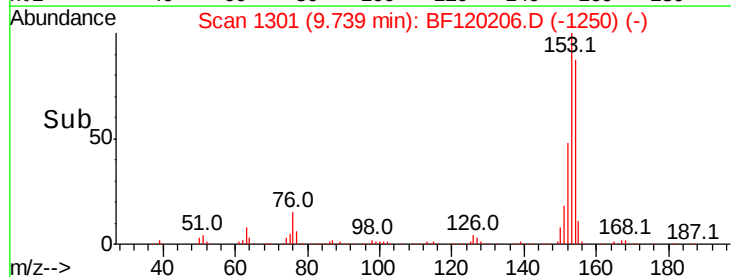
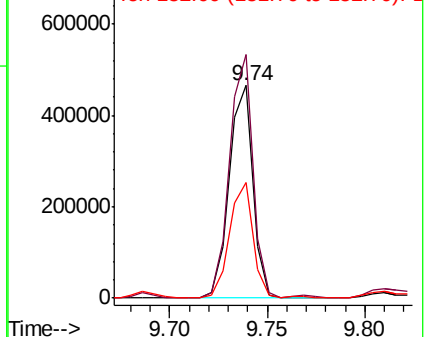
154 100

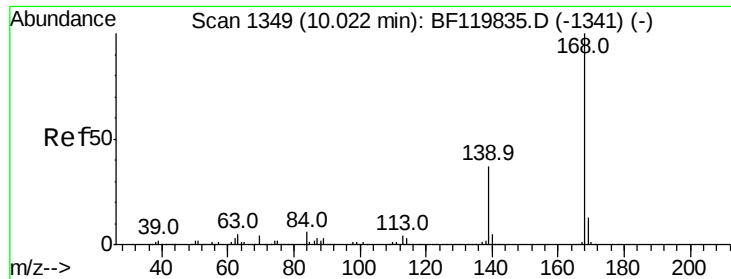
153 114.6 88.1 132.1

152 54.6 43.0 64.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

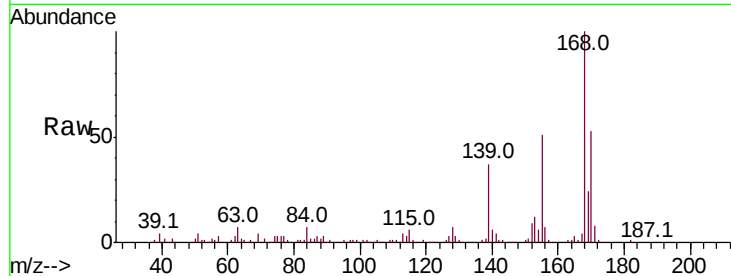




#55
Dibenzofuran
Concen: 6.298 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Instrument :
BNA_F
ClientSampleId :
TP-16A

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.6	30.1	45.1
169	24.3	11.0	16.6

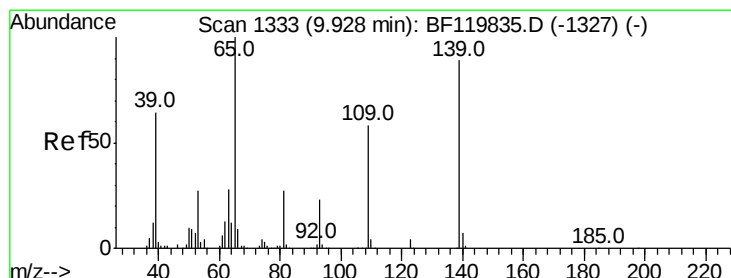
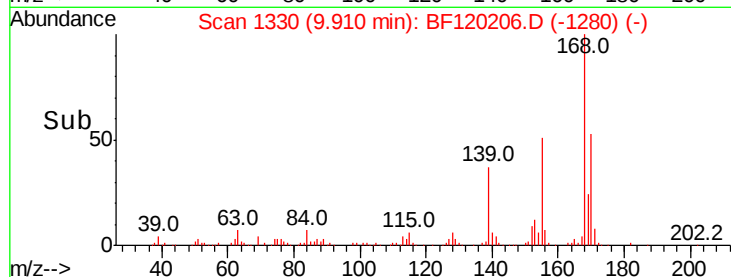
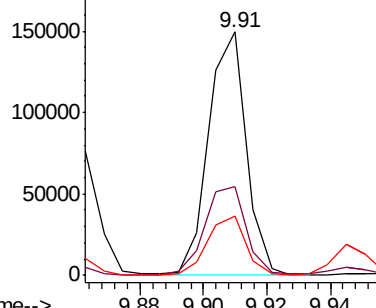


Abundance

Ion 168.00 (167.70 to 168.70): E

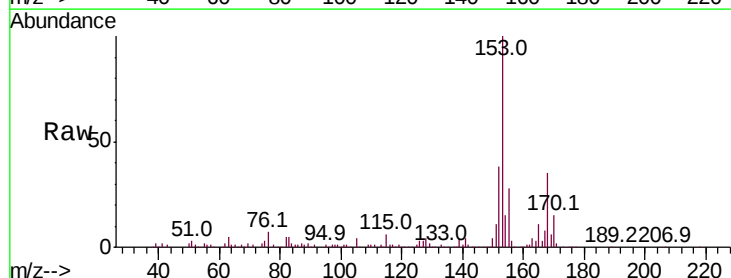
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 2.362 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.02 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion	Ratio	Lower	Upper
139	100		
109	14.6	43.3	83.3
65	23.0	91.0	131.0

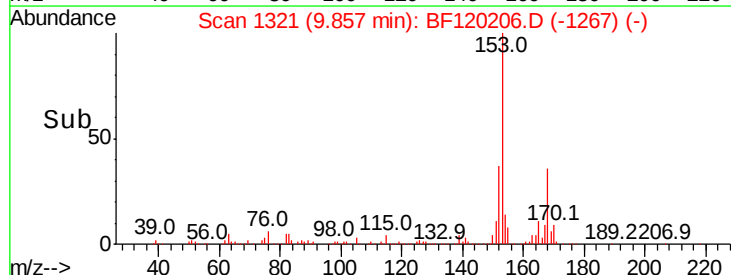
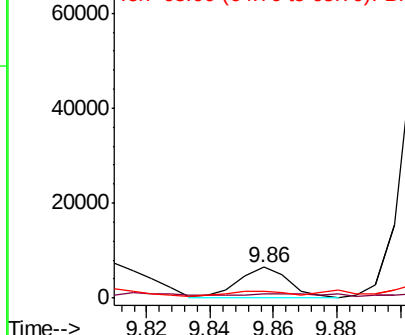


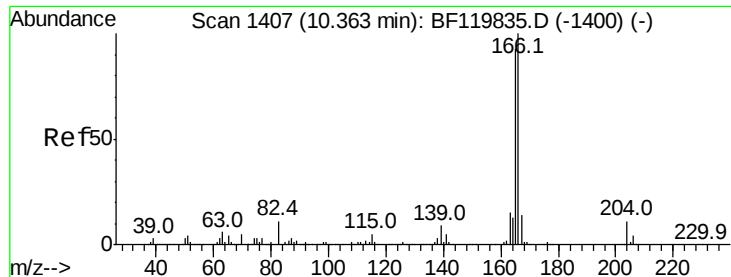
Abundance

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





#58

Fluorene

Concen: 21.154 ng

RT: 10.25 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

Instrument :

BNA_F

ClientSampled :

TP-16A

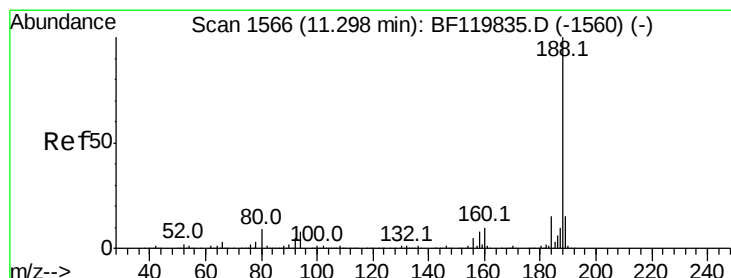
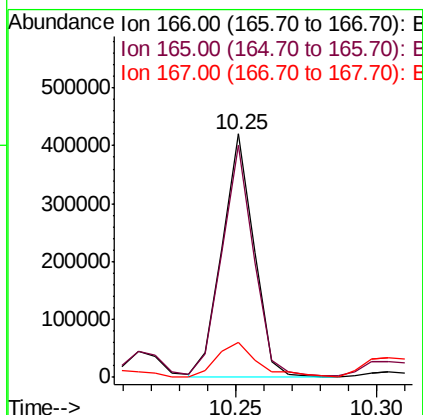
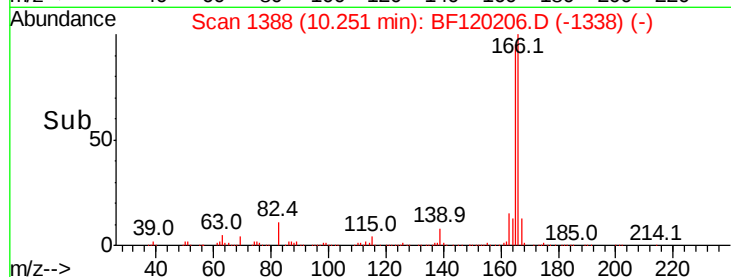
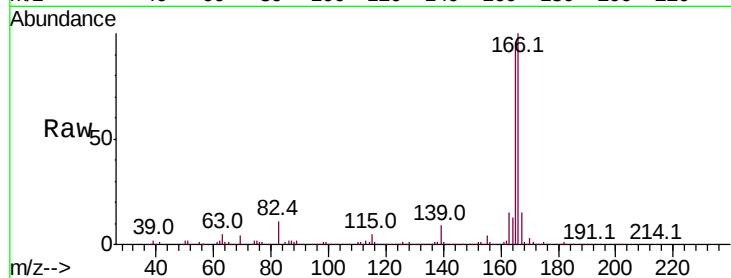
Tot Ion:166 Resp: 328609

Ion Ratio Lower Upper

166 100

165 95.5 75.4 113.2

167 14.6 11.2 16.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

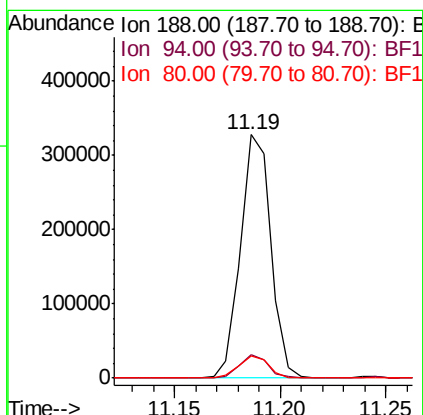
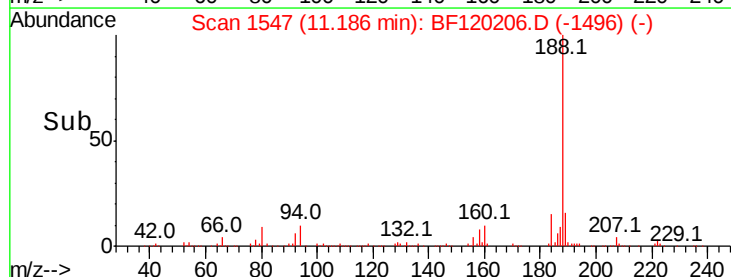
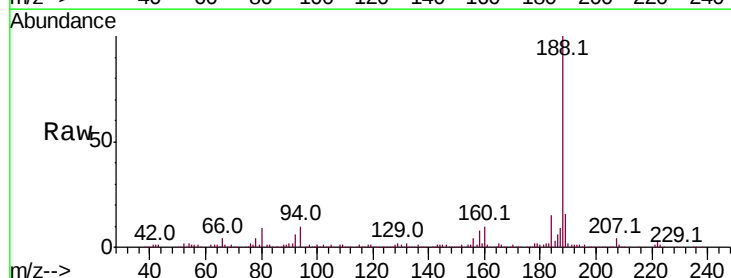
Tgt Ion:188 Resp: 325689

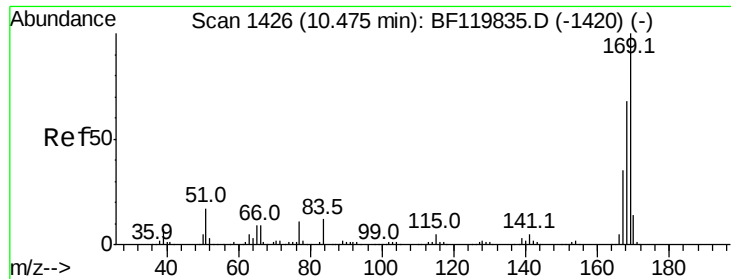
Ion Ratio Lower Upper

188 100

94 9.7 7.5 11.3

80 9.4 9.0 13.4

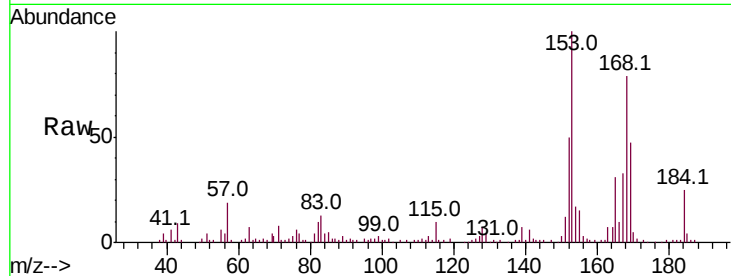




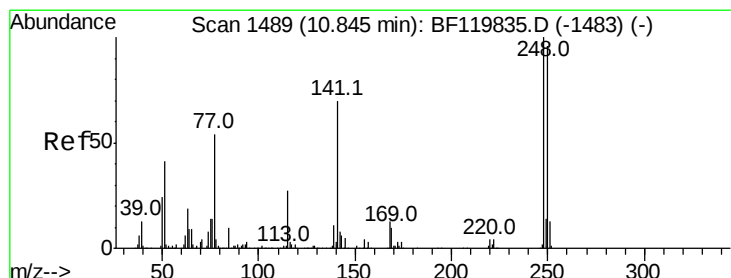
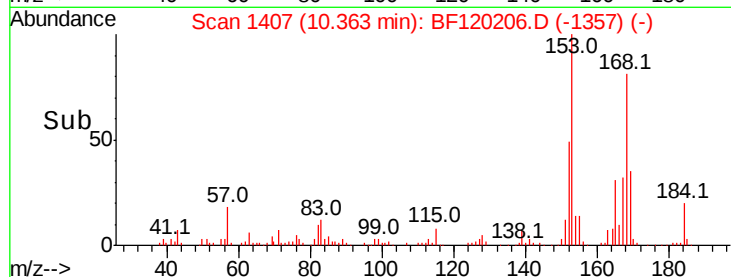
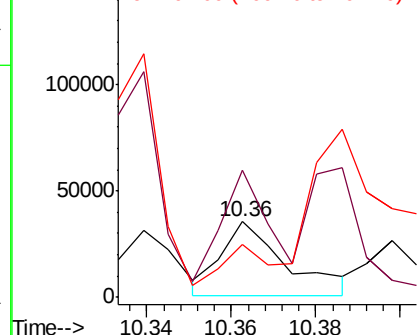
#66
 n-Nitrosodiphenylamine
 Concen: 3.464 ng
 RT: 10.36 min Scan# 1407
 Delta R.T. -0.01 min
 Lab File: BF120206.D
 Acq: 24 Apr 2020 17:03

Instrument :
 BNA_F
 ClientSampleId :
 TP-16A

Tot Ion:169 Resp: 37525
 Ion Ratio Lower Upper
 169 100
 168 169.0 53.2 79.8#
 167 69.9 29.1 43.7#

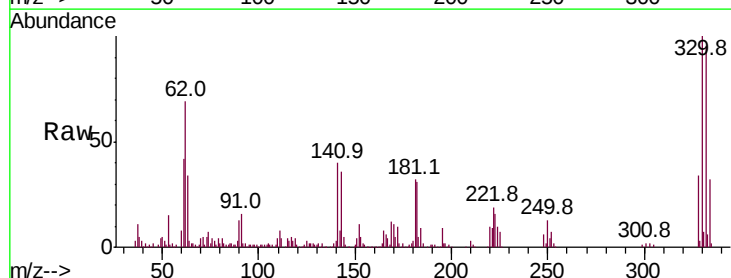


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

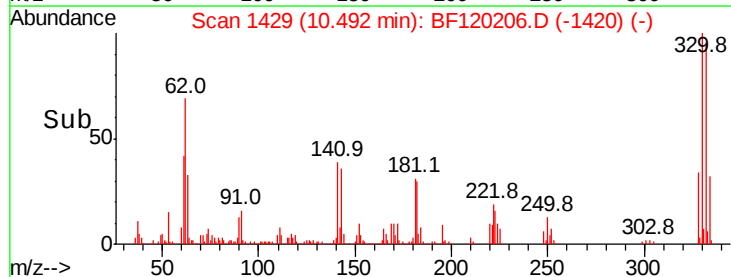
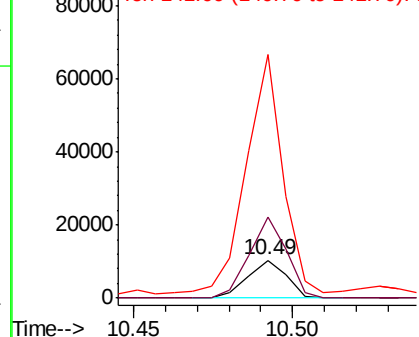


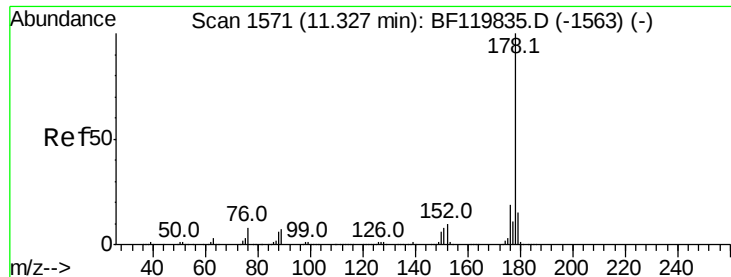
#67
 4-Bromophenyl-phenylether
 Concen: 2.168 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.25 min
 Lab File: BF120206.D
 Acq: 24 Apr 2020 17:03

Tgt Ion:248 Resp: 8780
 Ion Ratio Lower Upper
 248 100
 250 212.4 77.3 115.9#
 141 642.5 58.6 87.8#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 92.851 ng

RT: 11.22 min Scan# 1552

Delta R.T. 0.00 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

Instrument :

BNA_F

ClientSampleId :

TP-16A

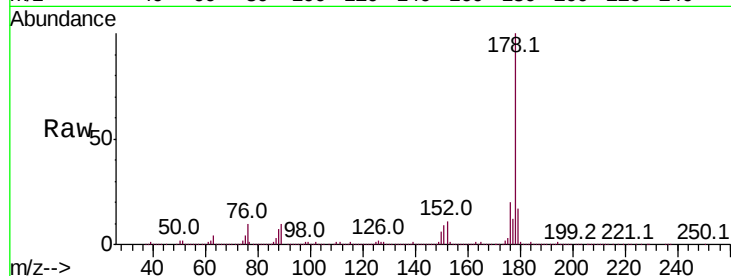
Tot Ion:178 Resp: 1609436

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.4

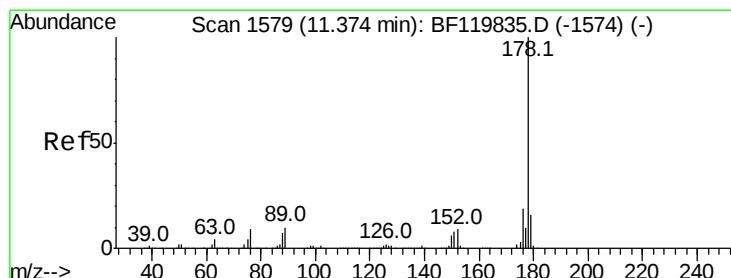
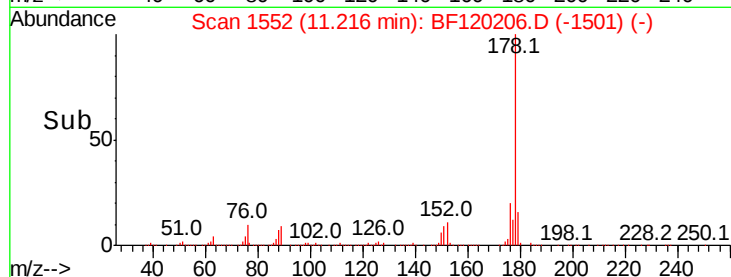
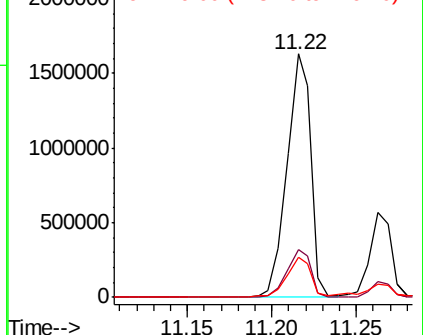
179 16.5 13.2 19.8



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



#72

Anthracene

Concen: 27.349 ng

RT: 11.26 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

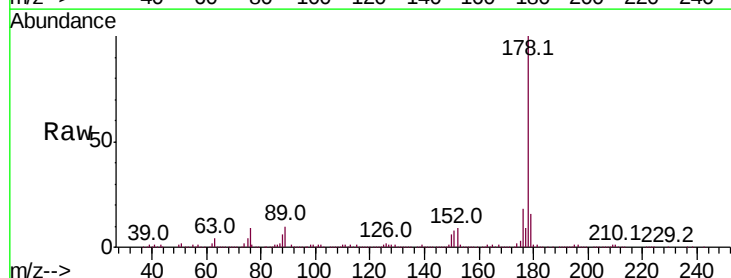
Tgt Ion:178 Resp: 484270

Ion Ratio Lower Upper

178 100

176 18.5 16.1 24.1

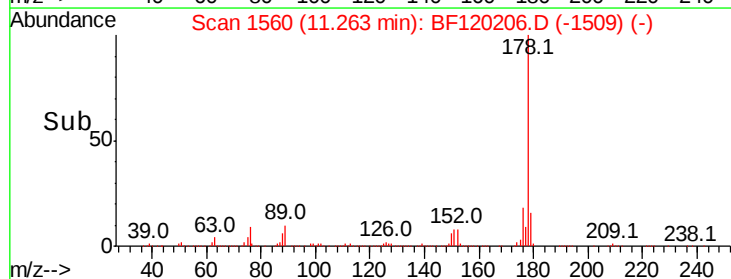
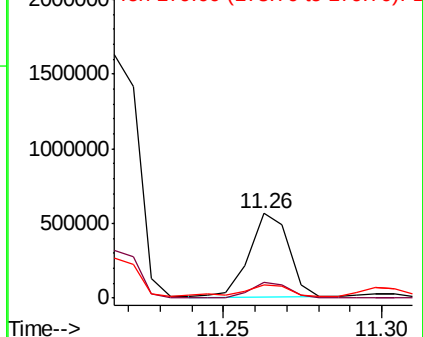
179 16.3 13.0 19.4

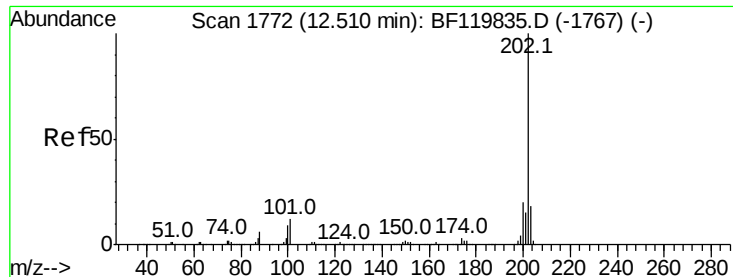


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 44.248 ng

RT: 12.40 min Scan# 1754

Delta R.T. 0.01 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

Instrument :

BNA_F

ClientSampleId :

TP-16A

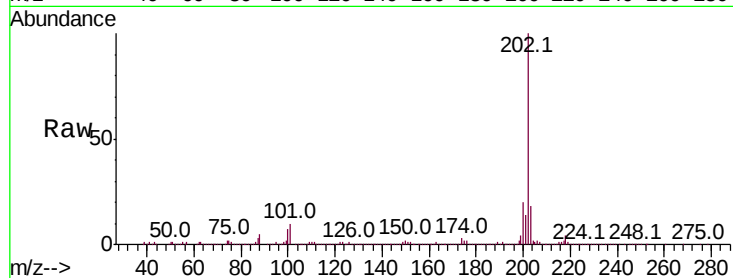
Tot Ion:202 Resp: 827552

Ion Ratio Lower Upper

202 100

101 10.1 0.0 32.2

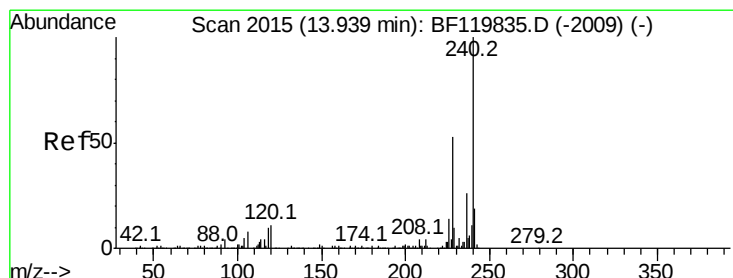
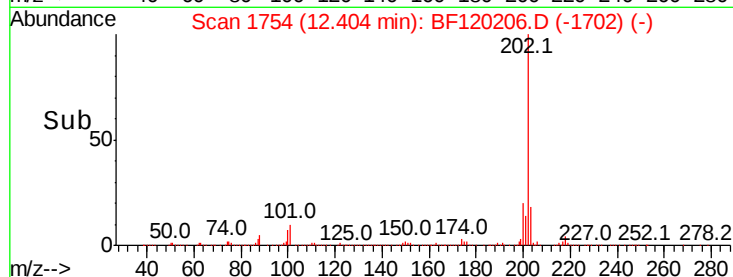
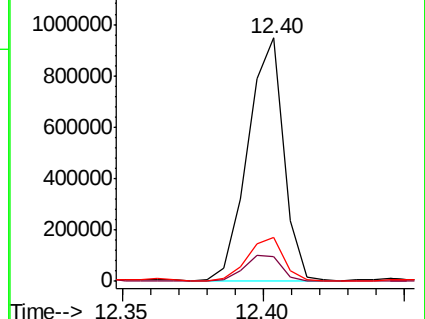
203 18.1 0.0 38.8



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: 13.83 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

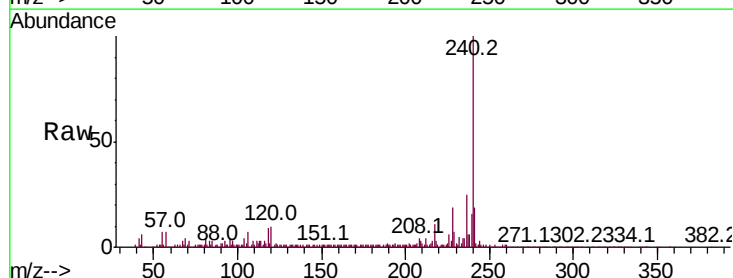
Tgt Ion:240 Resp: 243583

Ion Ratio Lower Upper

240 100

120 10.4 10.6 15.8#

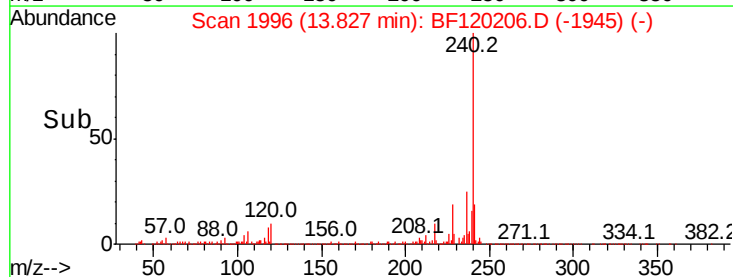
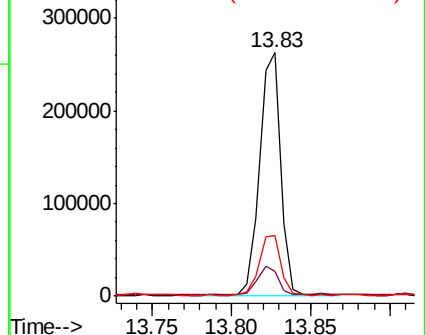
236 25.1 20.2 30.2

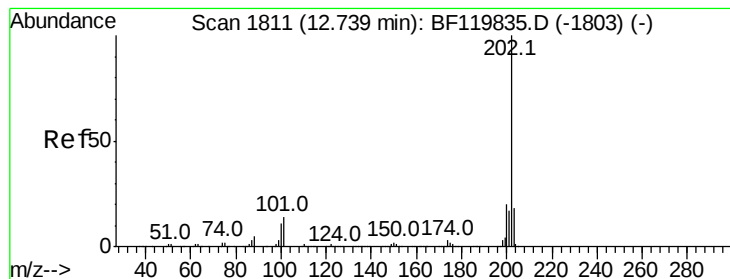


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 48.159 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.00 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

Instrument :

BNA_F

ClientSampleId :

TP-16A

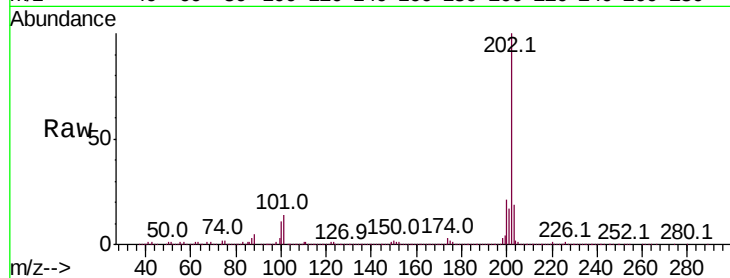
Tot Ion:202 Resp: 988911

Ion Ratio Lower Upper

202 100

200 20.5 16.8 25.2

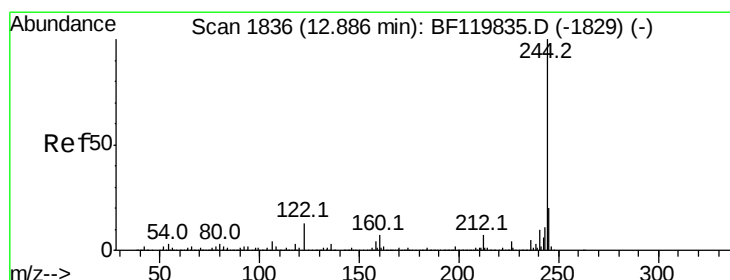
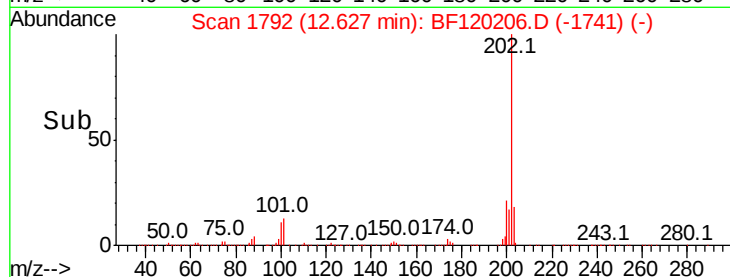
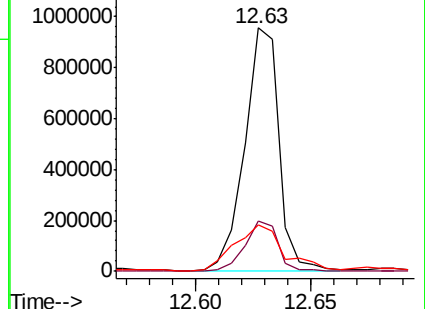
203 19.0 15.1 22.7



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: 51.611 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

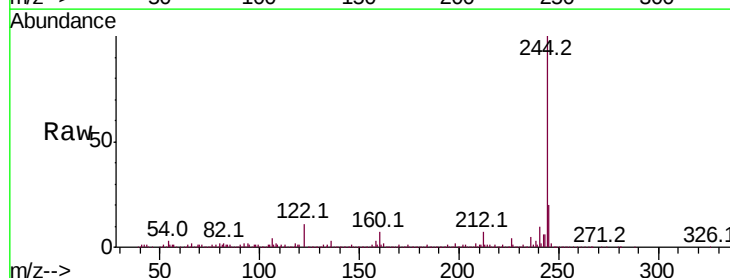
Tgt Ion:244 Resp: 747123

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

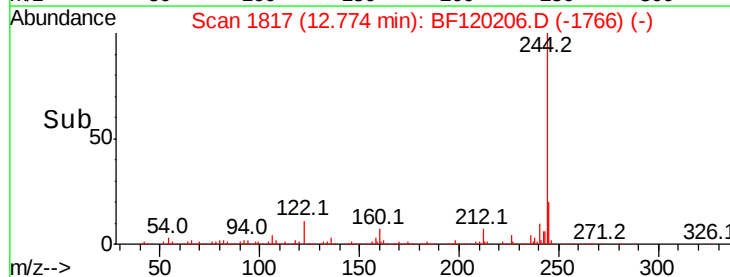
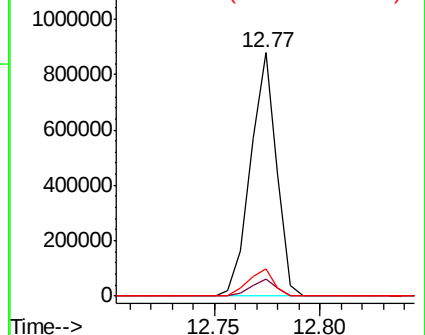
122 11.4 10.3 15.5

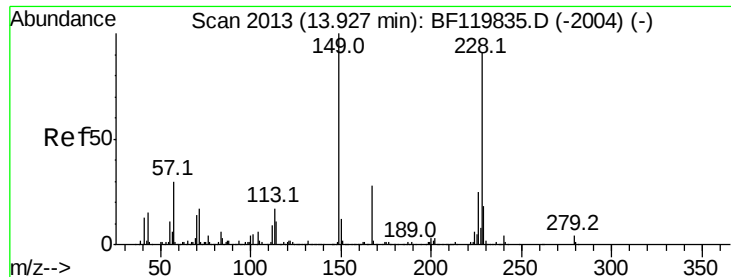


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

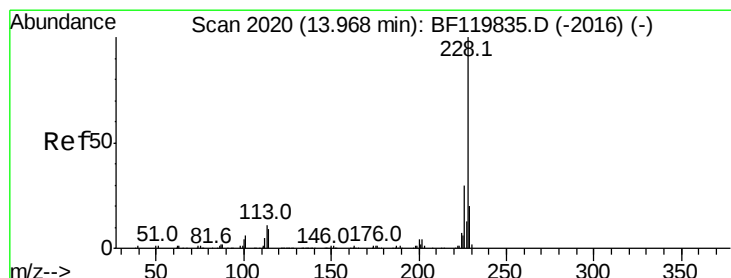
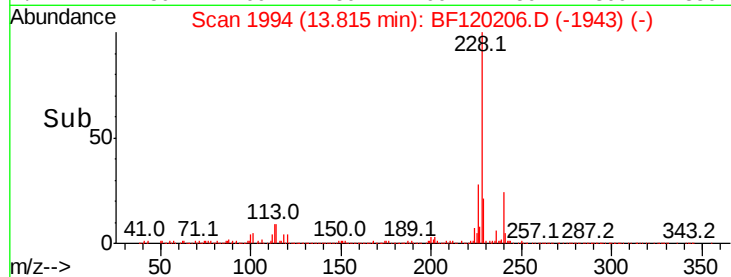
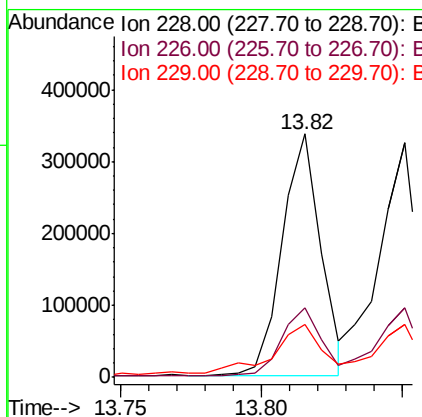
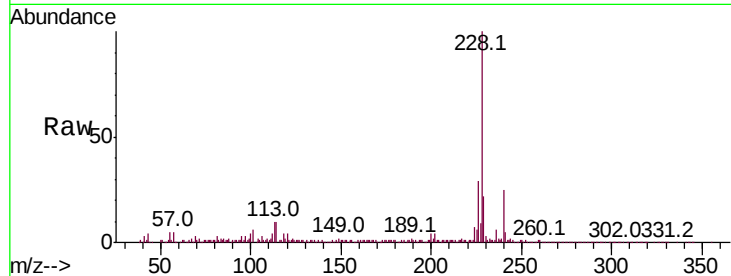




#81
Benzo(a)anthracene
Concen: 19.849 ng
RT: 13.82 min Scan# 1994
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

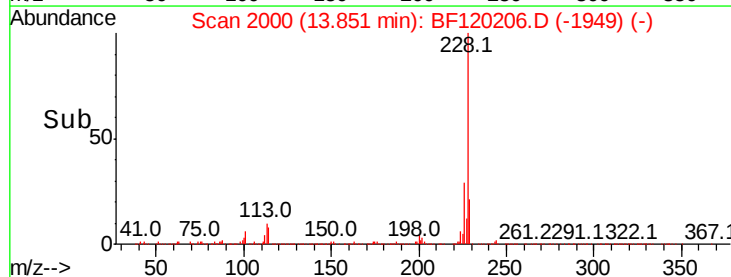
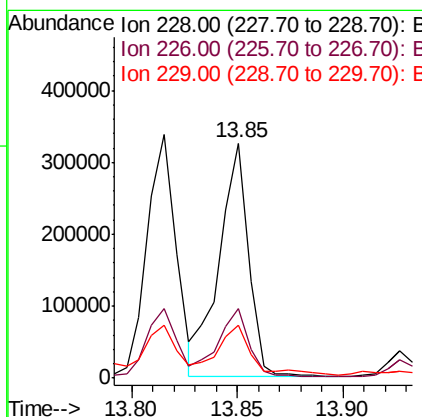
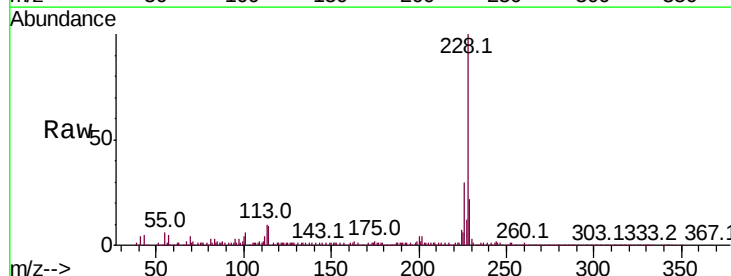
Instrument :
BNA_F
ClientSampleId :
TP-16A

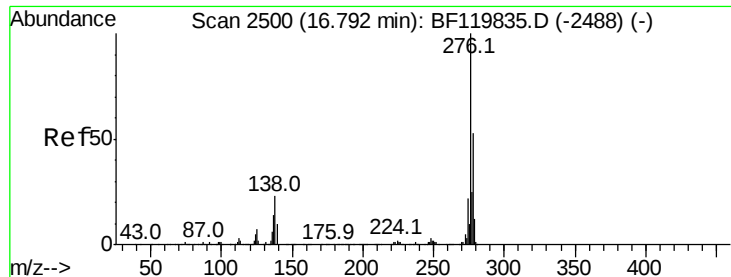
Tot Ion:228 Resp: 318072
Ion Ratio Lower Upper
228 100
226 28.7 21.8 32.8
229 21.7 16.2 24.4



#83
Chrysene
Concen: 19.125 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:228 Resp: 311403
Ion Ratio Lower Upper
228 100
226 29.7 25.4 38.0
229 22.4 16.6 24.8

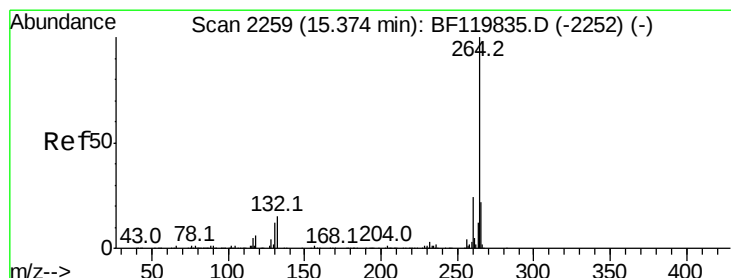
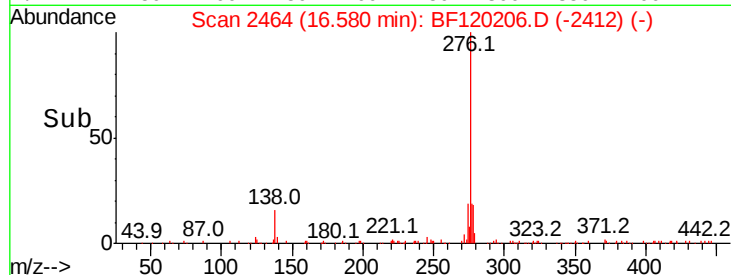
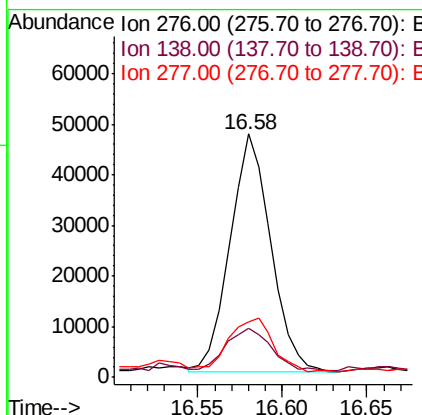
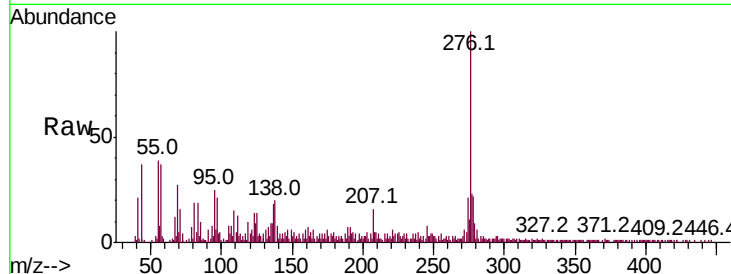




#86
Indeno(1,2,3-cd)pyrene
Concen: 5.477 ng
RT: 16.58 min Scan# 2464
Delta R.T. 0.01 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

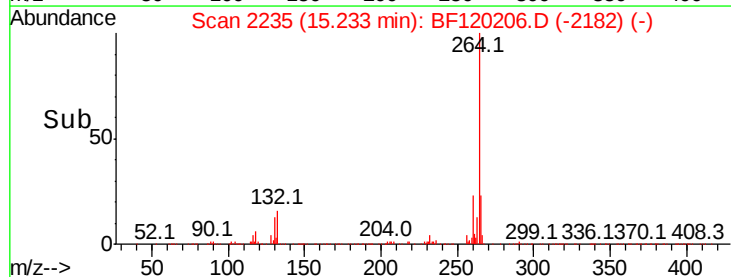
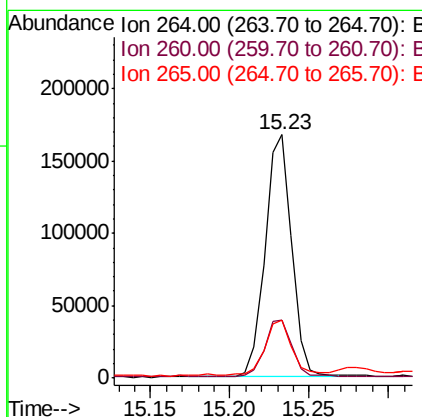
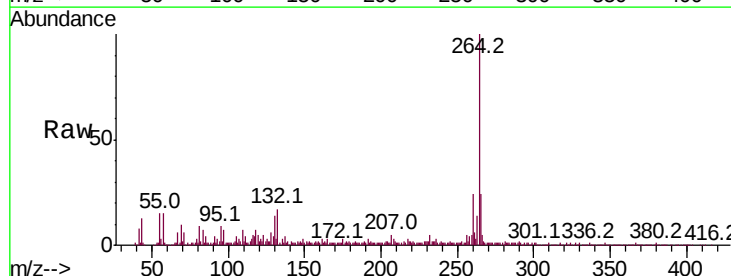
Instrument :
BNA_F
ClientSampleId :
TP-16A

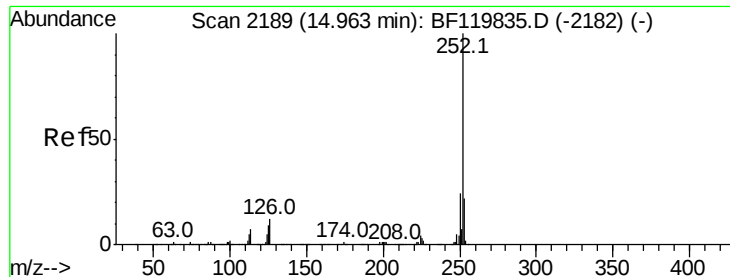
Tot Ion:276 Resp: 78608
Ion Ratio Lower Upper
276 100
138 19.4 19.6 29.4#
277 24.8 20.0 30.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:264 Resp: 195808
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 23.7 17.7 26.5

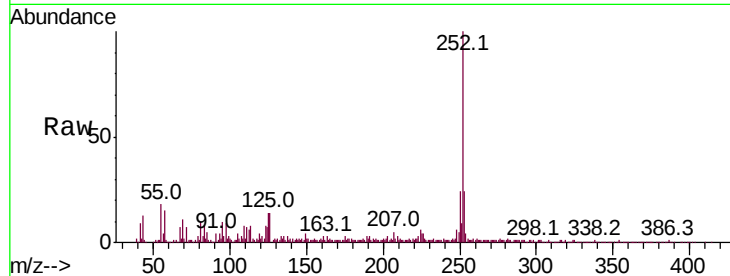




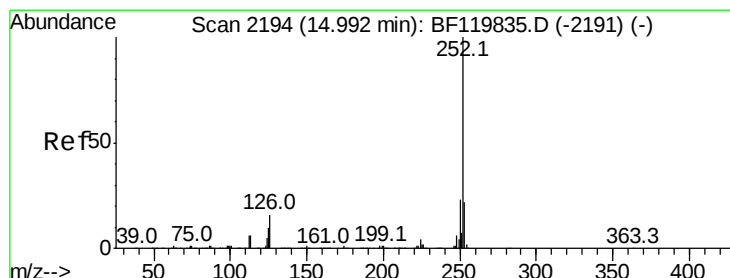
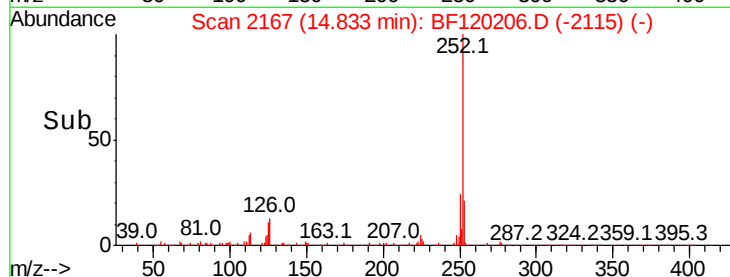
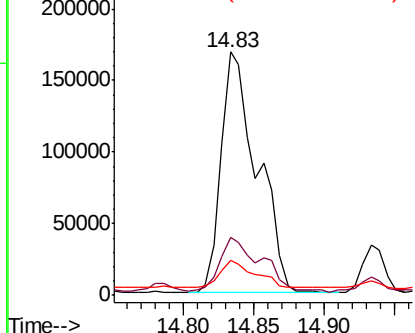
#88
Benzo(b)fluoranthene
Concen: 21.492 ng
RT: 14.83 min Scan# 2167
Delta R.T. 0.01 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Instrument :
BNA_F
ClientSampleId :
TP-16A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.0
125	14.3	7.9	11.9

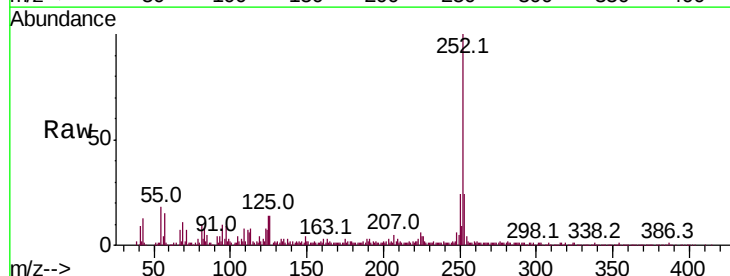


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

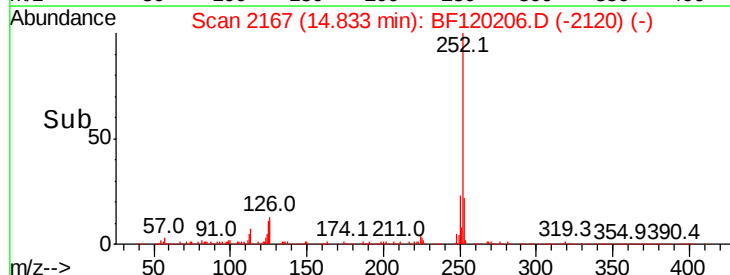
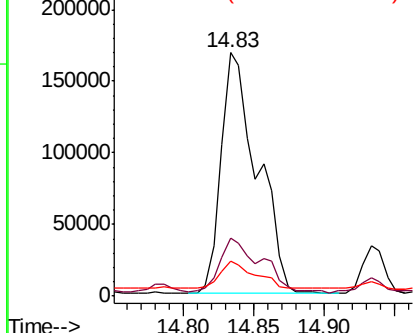


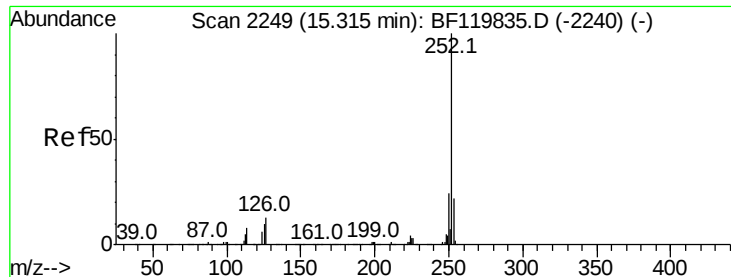
#89
Benzo(k)fluoranthene
Concen: 24.909 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	14.3	8.4	12.6



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





#90

Benzo(a)pyrene

Concen: 14.149 ng

RT: 15.17 min Scan# 2225

Delta R.T. 0.01 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

Instrument :

BNA_F

ClientSampleId :

TP-16A

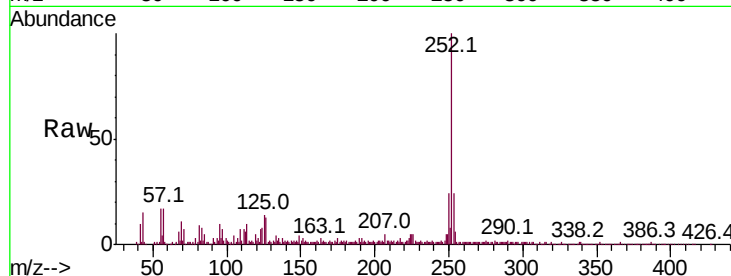
Tot Ion:252 Resp: 167576

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.2

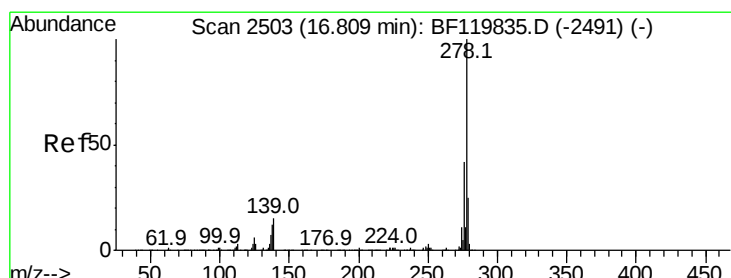
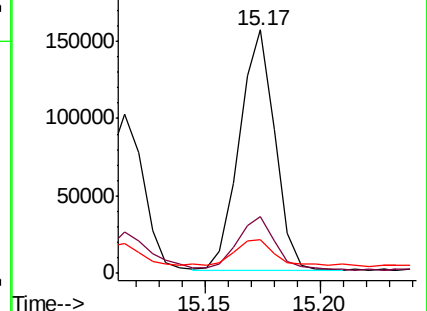
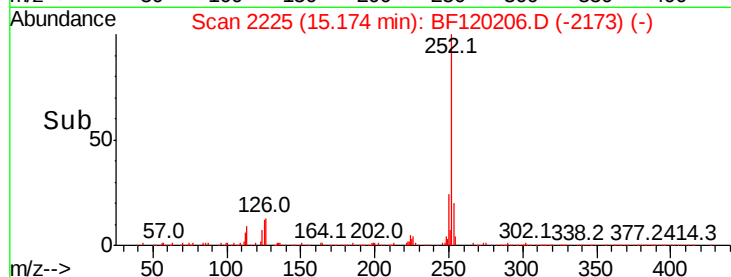
125 13.6 9.4 14.2



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



#91

Dibenzo(a,h)anthracene

Concen: 2.283 ng

RT: 16.59 min Scan# 2465

Delta R.T. 0.00 min

Lab File: BF120206.D

Acq: 24 Apr 2020 17:03

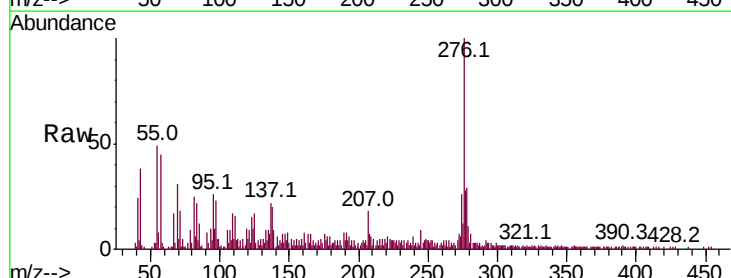
Tgt Ion:278 Resp: 23952

Ion Ratio Lower Upper

278 100

139 31.7 12.6 19.0#

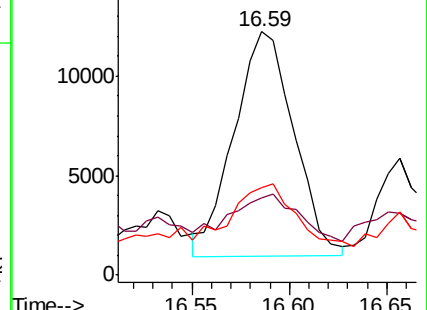
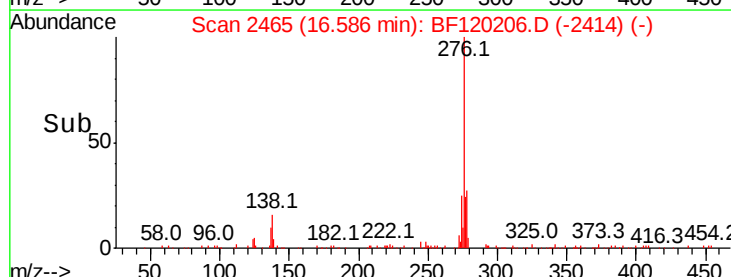
279 36.0 19.0 28.6#

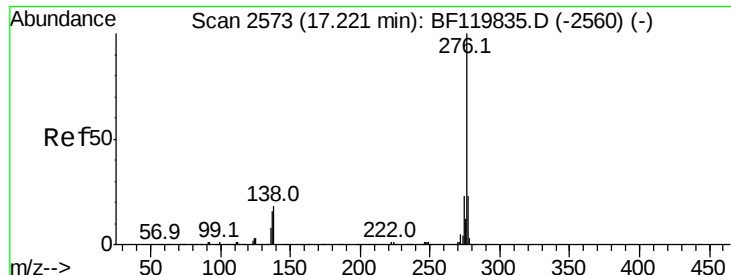


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

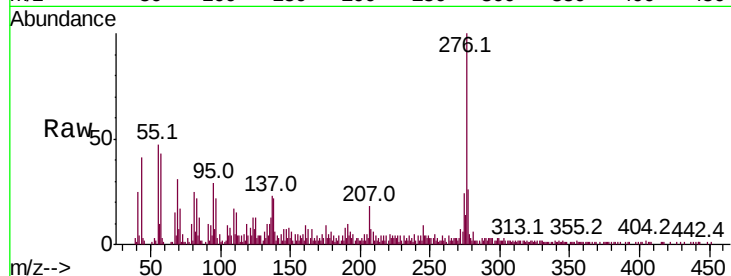




#92
 Benzo(a,h,i)perylene
 Concen: 7.552 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. 0.02 min
 Lab File: BF120206.D
 Acq: 24 Apr 2020 17:03

Instrument :
 BNA_F
 ClientSampleId :
 TP-16A

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.4	27.6
138	21.7	15.4	23.0



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

