

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114690.D
 Acq On : 31 May 2019 4:43
 Operator : HP/JU
 Sample : K3068-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 05:49:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	357008	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	1263700	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	544407	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	994663	20.00	ng	0.01
76) Chrysene-d12	13.83	240	521011	20.00	ng	0.02
87) Perylene-d12	15.22	264	506170	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1855953	91.27	ng	0.02
7) Phenol-d6	6.33	99	2248875	91.78	ng	0.00
23) Nitrobenzene-d5	7.26	82	1213261	59.90	ng	0.00
42) 2,4,6-Tribromophenol	10.51	330	456382	87.98	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1977003	64.32	ng	0.00
79) Terphenyl-d14	12.79	244	1728890	62.39	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.24	77	1887	Below Cal	#	72
10) Phenol	6.35	94	78091	2.638	ng	95
19) n-Nitroso-di-n-propylamine	7.26	70	162906	9.632	ng	# 79
25) Isophorone	7.26	82	1188018	29.226	ng	# 63
31) Naphthalene	8.00	128	348107	5.980	ng	96
37) 2-Methylnaphthalene	8.69	142	117914	3.049	ng	99
38) 1-Methylnaphthalene	8.79	142	110312	3.010	ng	97
49) Acenaphthylene	9.59	152	162214	3.167	ng	97
50) Dimethylphthalate	9.45	163	242047	6.381	ng	98
52) Acenaphthene	9.76	154	429988	13.691	ng	100
55) Dibenzofuran	9.93	168	351929	7.872	ng	98
56) 4-Nitrophenol	9.93	139	134419	16.813	ng	# 18
58) Fluorene	10.27	166	505688	12.308	ng	100
61) 4-Chlorophenyl-phenylether	10.49	204	155	Below Cal	#	1
67) 4-Bromophenyl-phenylether	10.51	248	29938	2.807	ng	# 1
69) Atrazine	10.90	200	372	Below Cal	#	1
71) Phenanthrene	11.24	178	4844206	95.472	ng	96
72) Anthracene	11.28	178	1635257	31.843	ng	99
73) Carbazole	11.43	167	673996	14.934	ng	97
74) Di-n-butylphthalate	11.77	149	38509	Below Cal	#	73
75) Fluoranthene	12.42	202	5100975	97.089	ng	96
78) Pyrene	12.65	202	5055555	114.707	ng	95
80) Butylbenzylphthalate	13.26	149	52220	2.358	ng	97
81) Benzo(a)anthracene	13.82	228	2559949	63.938	ng	97
83) Chrysene	13.86	228	2183694	57.086	ng	97
84) Bis(2-ethylhexyl)phthalate	13.83	149	71734	2.620	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.56	276	938980	24.509	ng	95
88) Benzo(b)fluoranthene	14.84	252	2896247	90.847	ng	99
89) Benzo(k)fluoranthene	14.84	252	2896247	104.521	ng	99
90) Benzo(a)pyrene	15.17	252	1653202	59.029	ng	96
91) Dibenz(a,h)anthracene	16.56	278	252067	10.185	ng	94
92) Benzo(a,h,i)perylene	16.95	276	861099	35.849	ng	99

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Instrument :
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QLast Update : Wed May 29 19:08:51 2019
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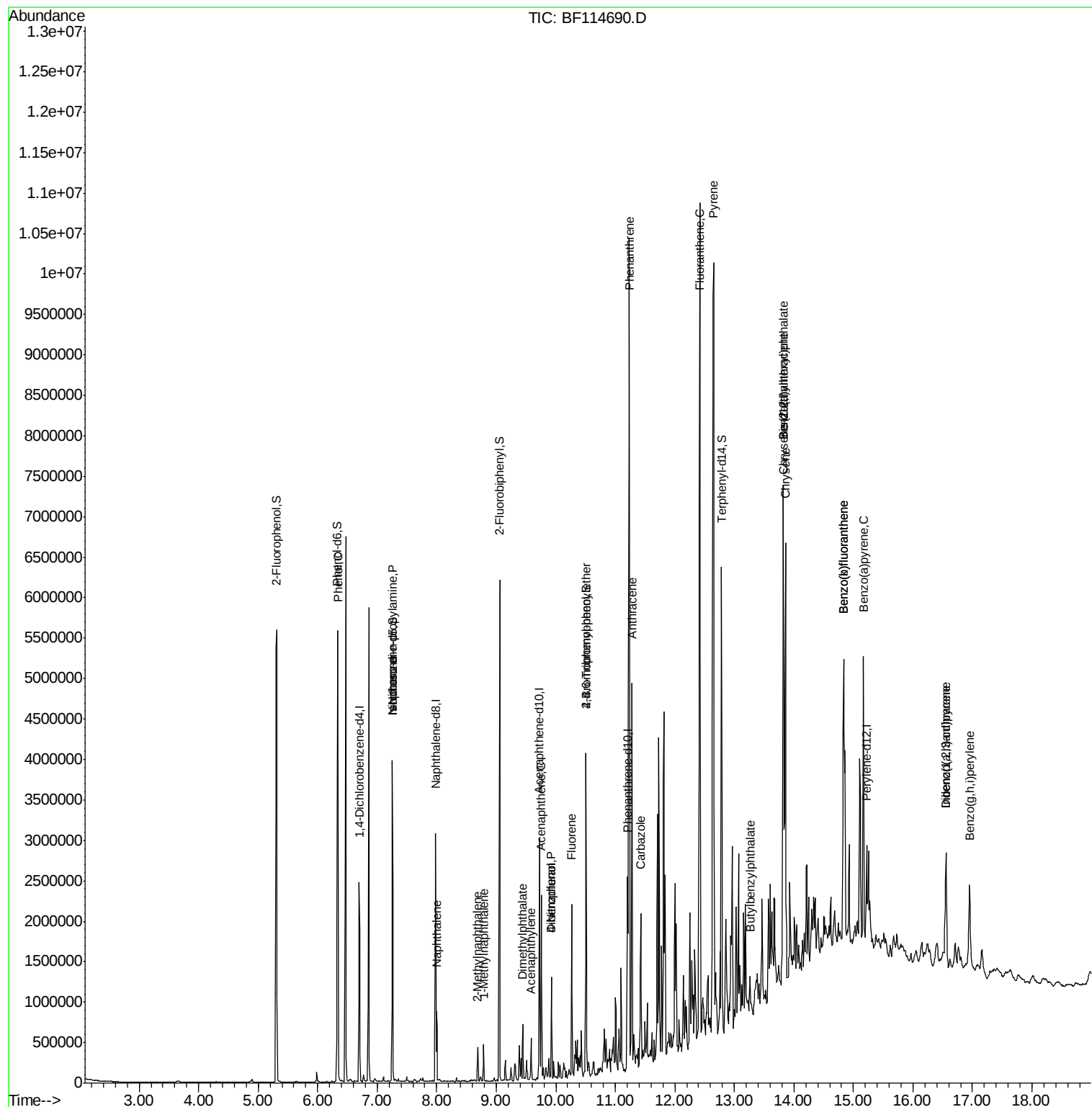
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

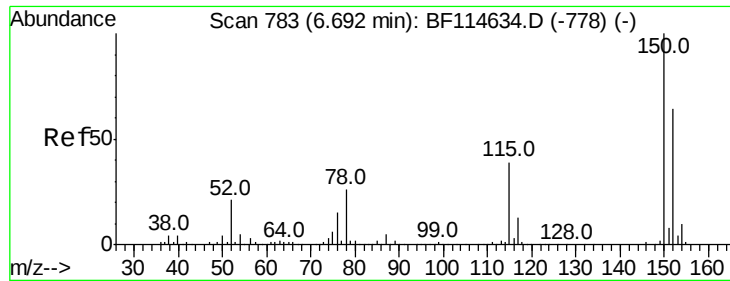
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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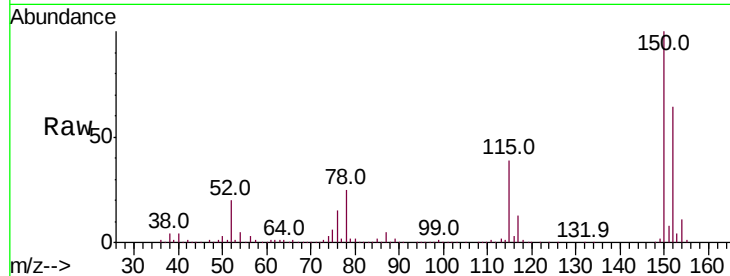


#1

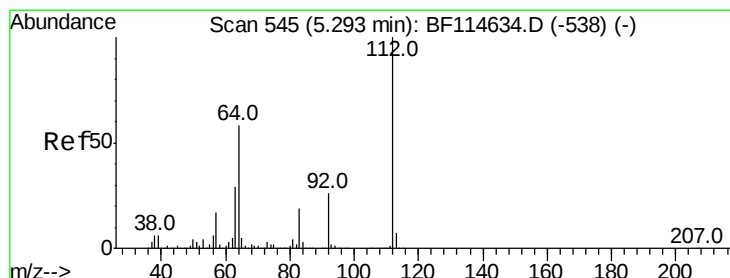
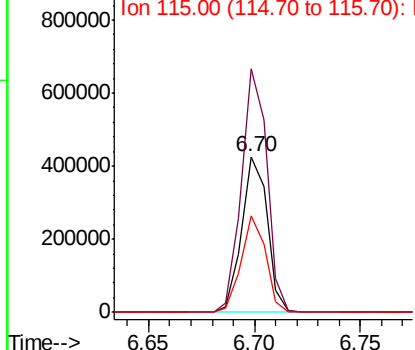
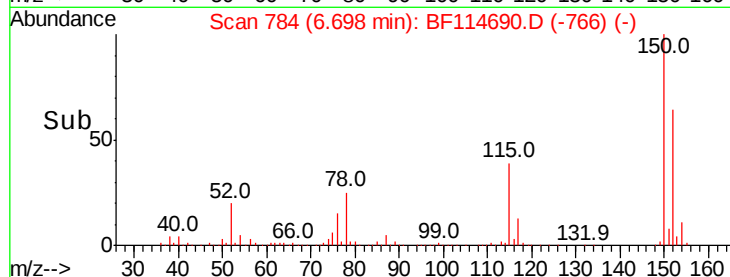
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF114690.D
Acq: 31 May 2019 4:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 357008
Ion Ratio Lower Upper
152 100
150 156.3 124.4 186.6
115 61.5 48.7 73.1



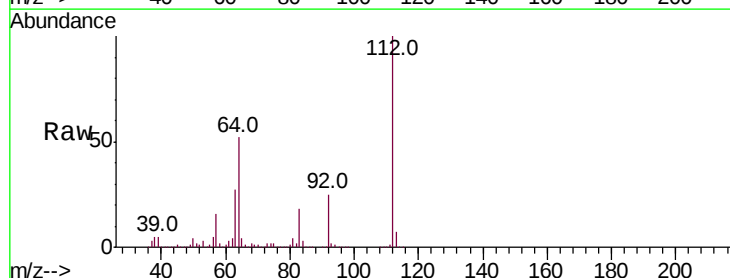
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



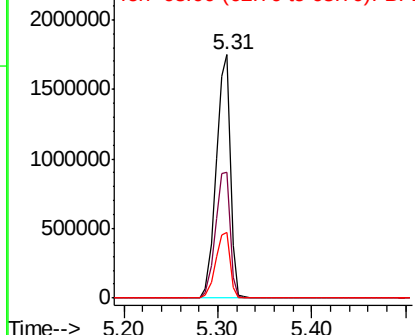
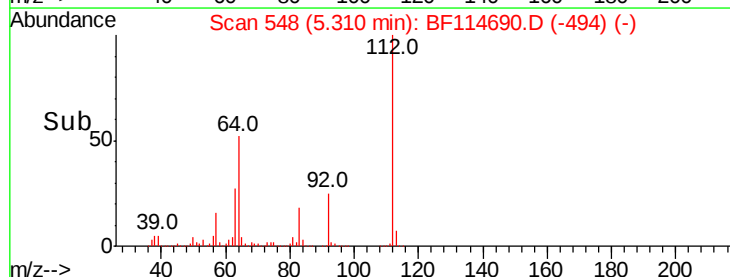
#5

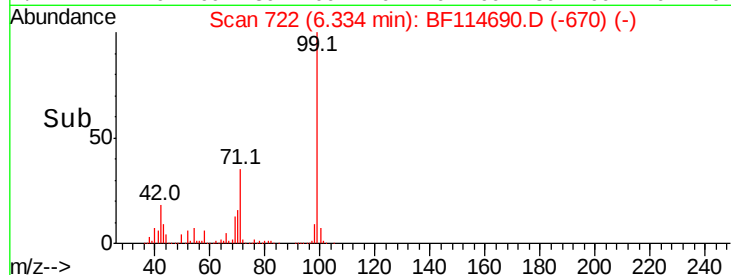
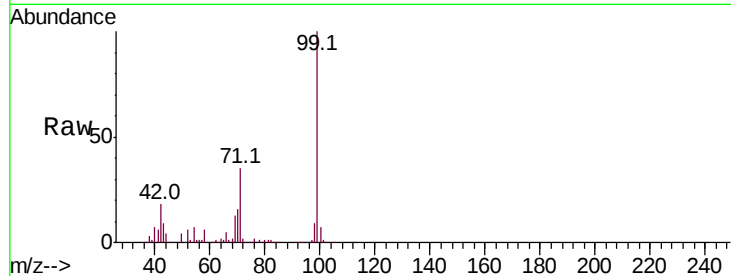
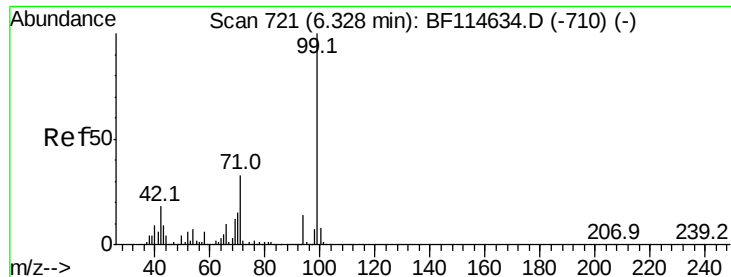
2-Fluorophenol
Concen: 91.273 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.02 min
Lab File: BF114690.D
Acq: 31 May 2019 4:43

Tgt Ion:112 Resp: 1855953
Ion Ratio Lower Upper
112 100
64 51.7 46.1 69.1
63 26.8 23.4 35.2



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: 91.778 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

Instrument :

BNA_F

ClientSampleId :

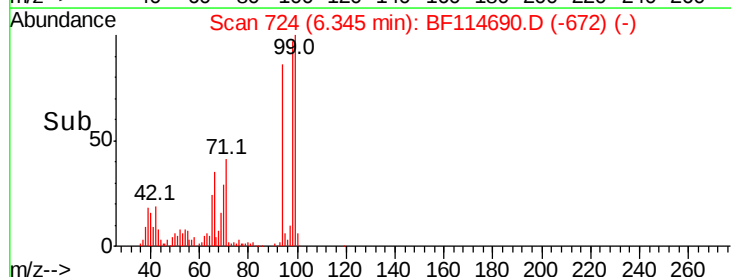
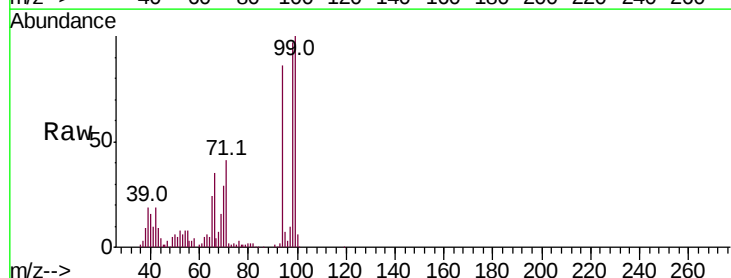
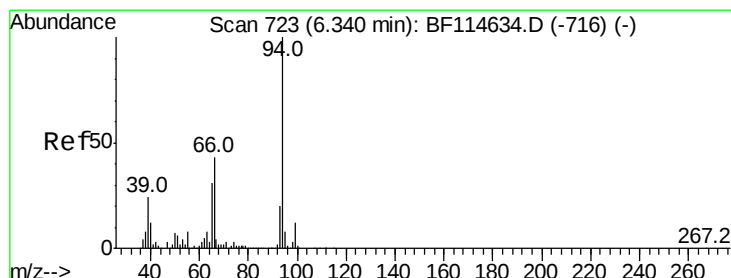
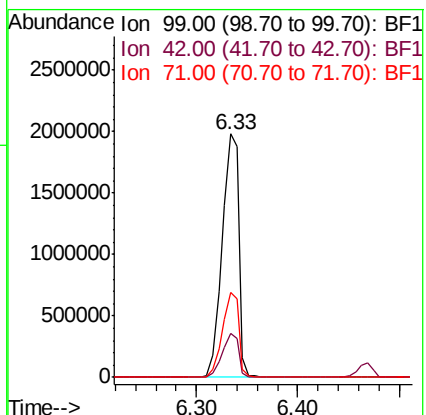
Tot Ion: 99 Resp: 2248875

Ion Ratio Lower Upper

99 100

42 17.9 14.7 22.1

71 35.1 26.6 40.0



#10

Phenol

Concen: 2.638 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

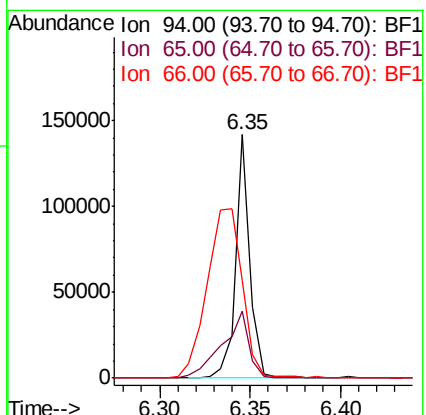
Tgt Ion: 94 Resp: 78091

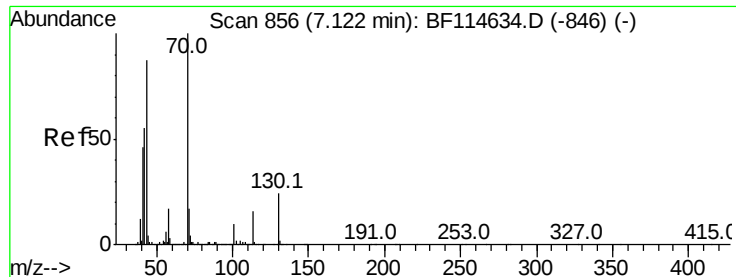
Ion Ratio Lower Upper

94 100

65 27.5 11.0 51.0

66 40.4 23.0 63.0





#19

n-Nitroso-di-n-propylamine

Concen: 9.632 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

Instrument :

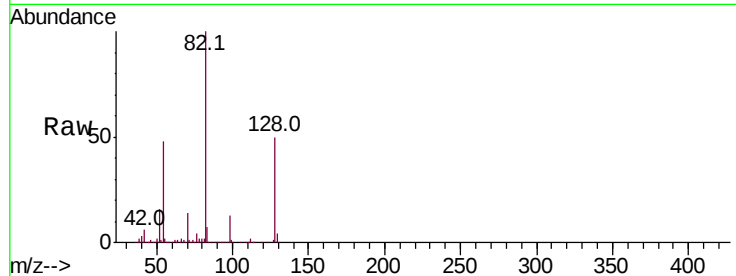
BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 162906

Ion Ratio Lower Upper

70	100		
42	47.9	44.4	66.6
101	0.0	8.2	12.4#
130	2.5	19.4	29.0#

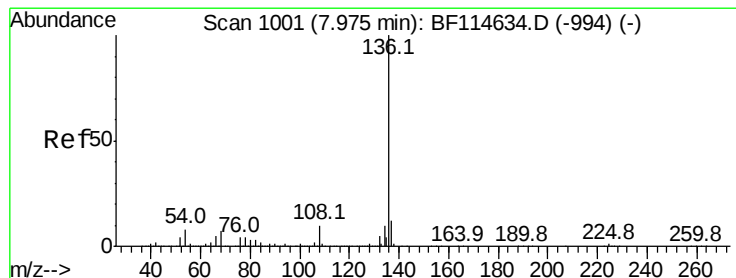
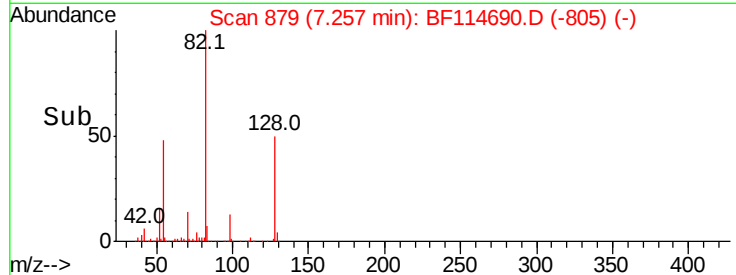
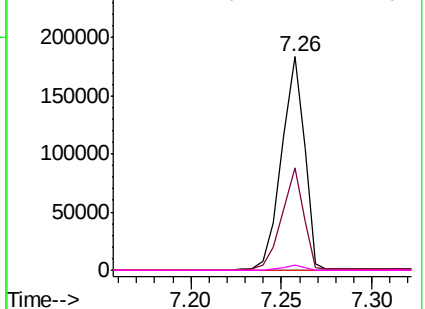


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.01 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

Tgt Ion: 136 Resp: 1263700

Ion Ratio Lower Upper

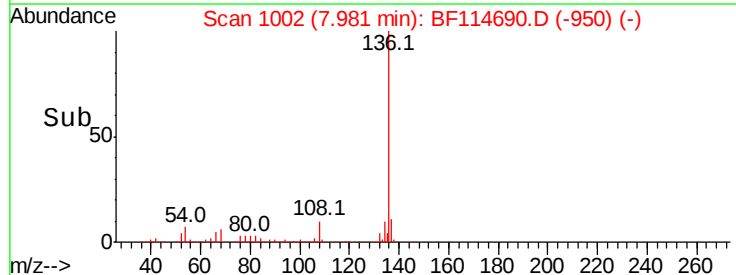
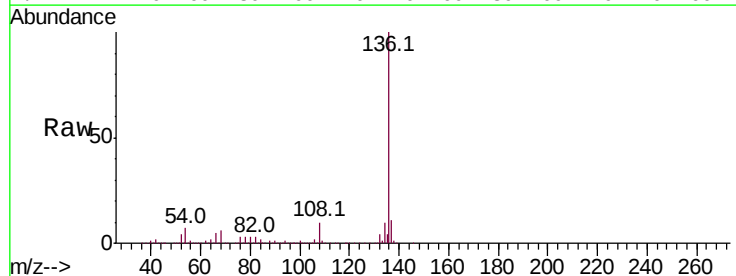
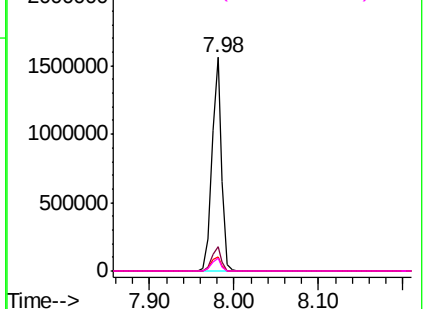
136	100		
137	11.5	9.3	13.9
54	6.9	6.3	9.5
68	5.8	5.4	8.0

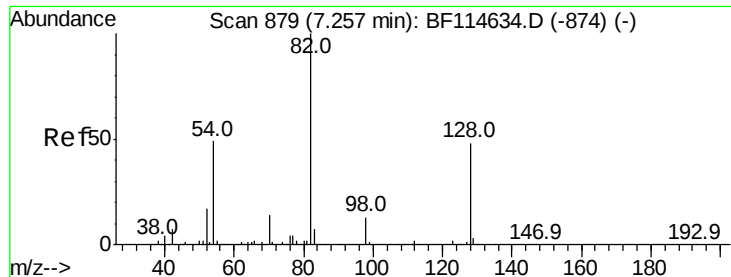
Abundance Ion 136.00 (135.70 to 136.70): E

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

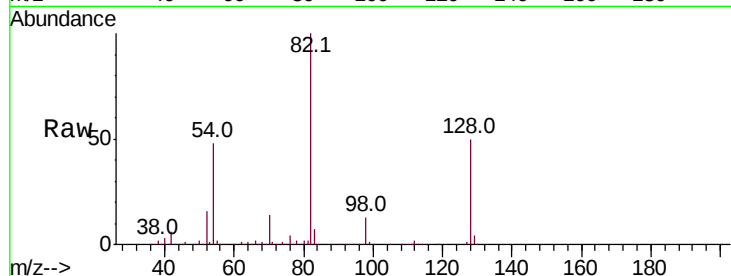




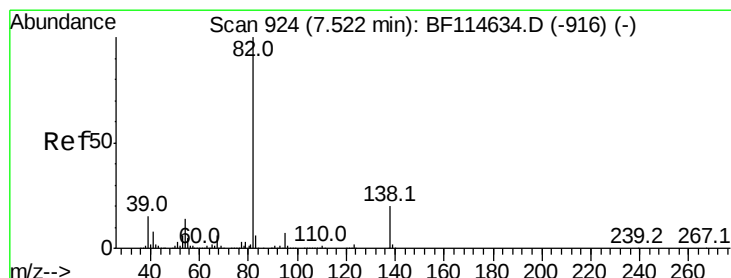
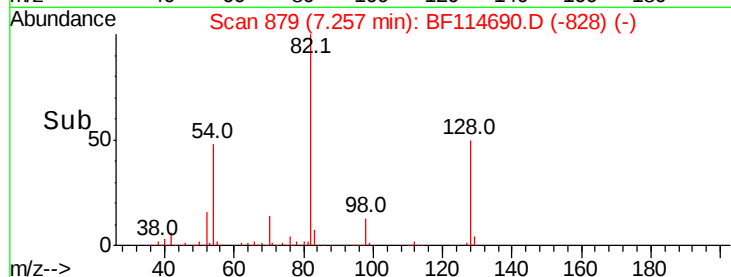
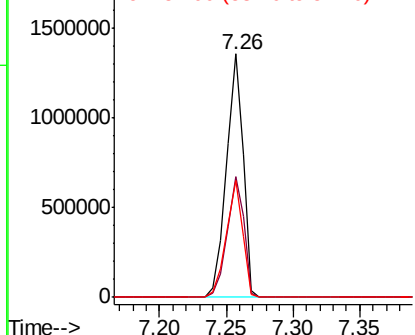
#23
Nitrobenzene-d5
Concen: 59.899 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: BF114690.D
Acq: 31 May 2019 4:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1213261
Ion Ratio Lower Upper
82 100
128 49.8 38.5 57.7
54 48.2 39.1 58.7

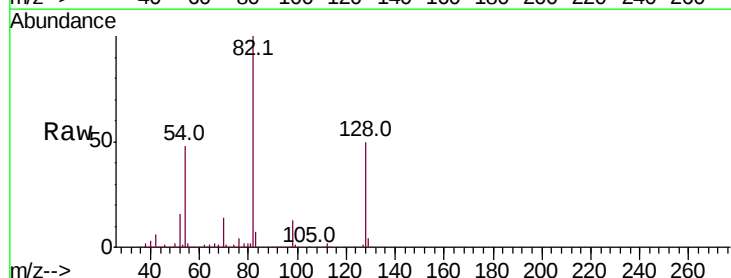


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

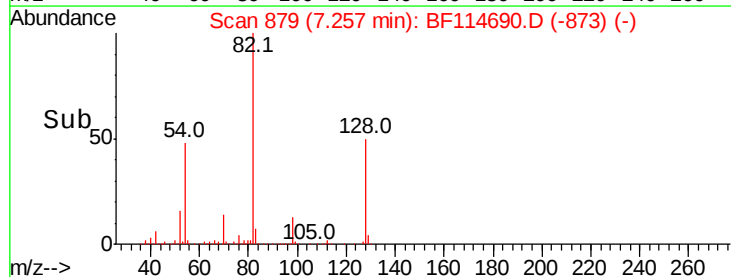
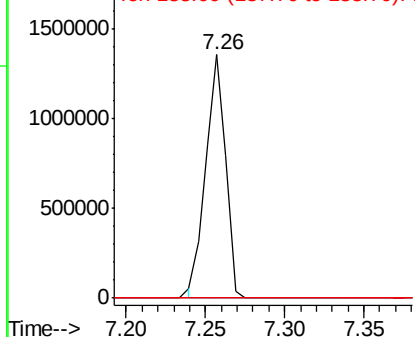


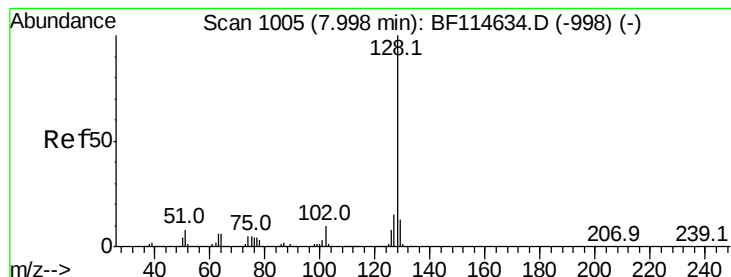
#25
Isophorone
Concen: 29.226 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.26 min
Lab File: BF114690.D
Acq: 31 May 2019 4:43

Tgt Ion: 82 Resp: 1188018
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 15.9 23.9#



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: 5.980 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

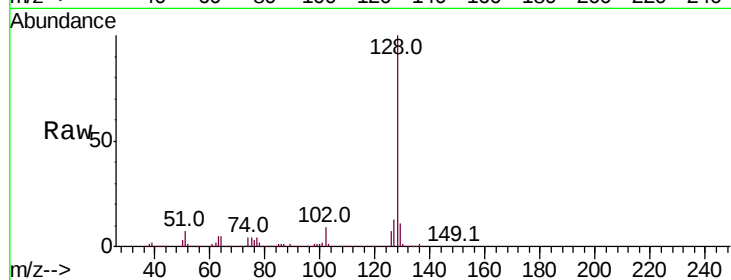
Instrument :

BNA_F

ClientSampled :

Tot Ion:128 Resp: 348107

Ion	Ratio	Lower	Upper
128	100		
129	10.9	10.2	15.2
127	13.1	11.9	17.9

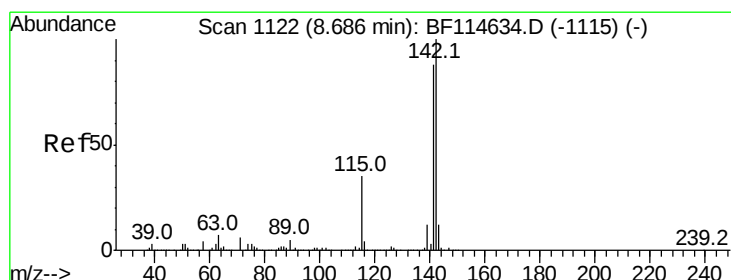
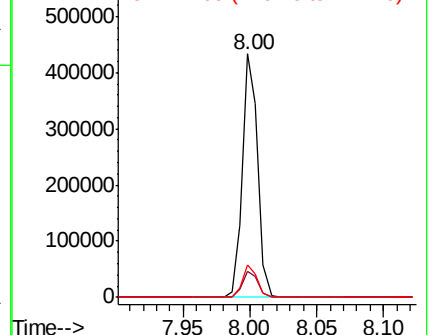
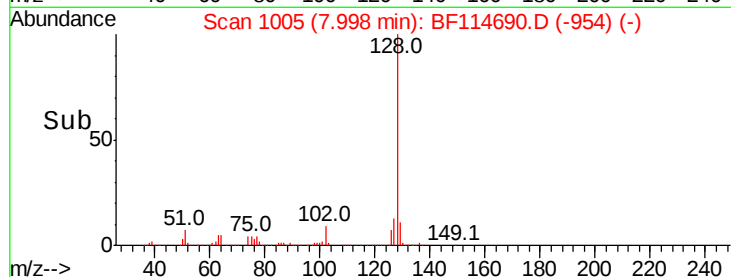


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 3.049 ng

RT: 8.69 min Scan# 1122

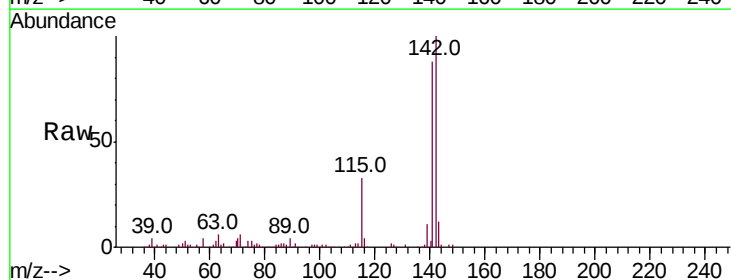
Delta R.T. 0.00 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

Tgt Ion:142 Resp: 117914

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.3	105.5
115	33.1	28.0	42.0

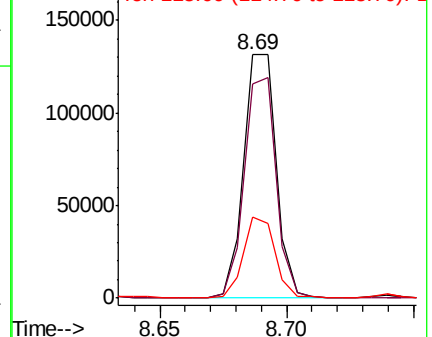
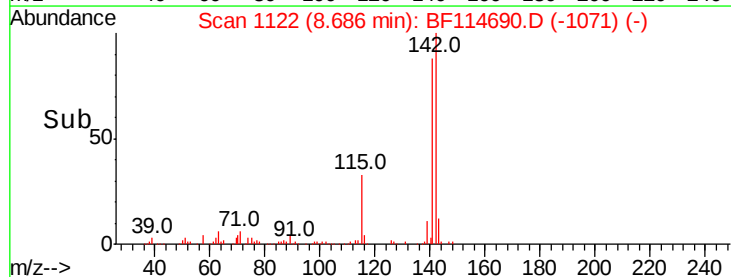


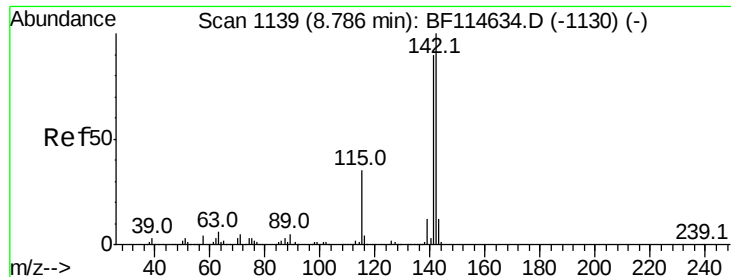
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

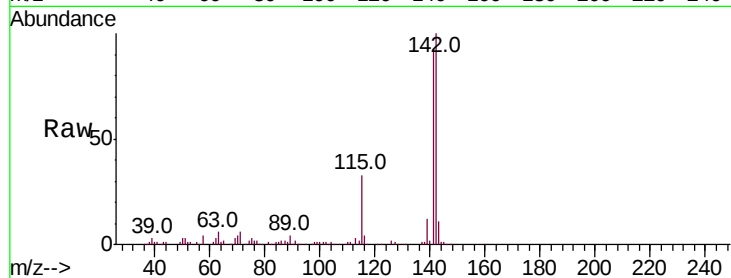




#38
1-Methylnaphthalene
Concen: 3.010 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BF114690.D
Acq: 31 May 2019 4:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.0	72.3	108.5
116	3.8	3.0	4.4

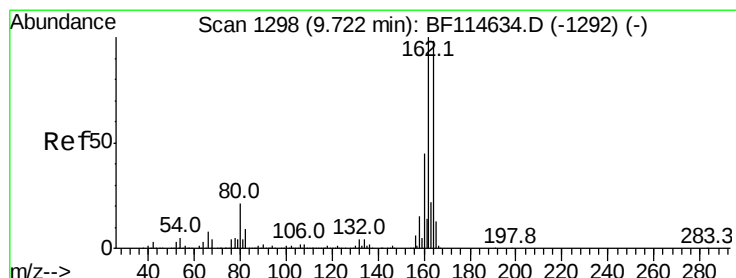
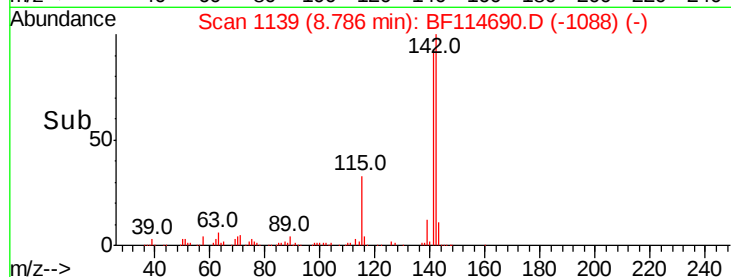
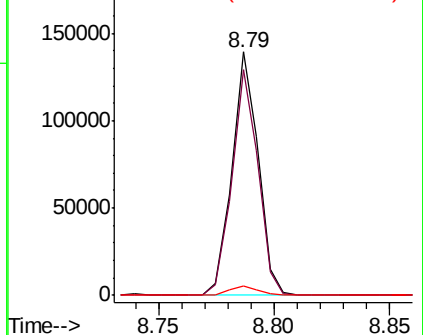


Abundance

Ion 142.00 (141.70 to 142.70): E

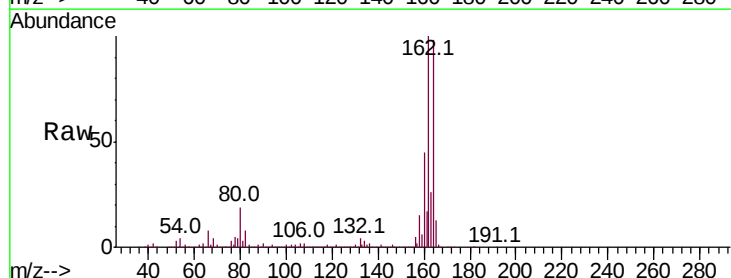
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BF114690.D
Acq: 31 May 2019 4:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.4	122.2
160	46.0	36.6	54.8

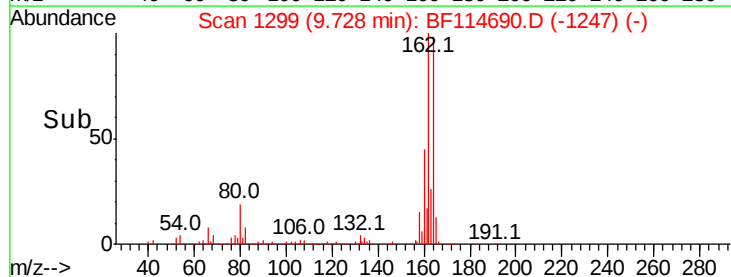
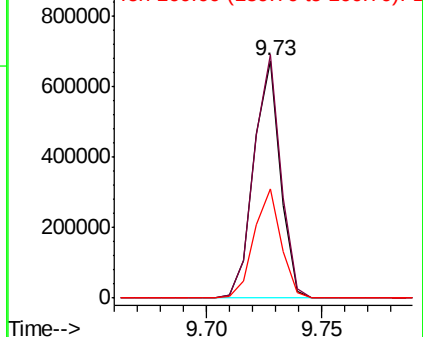


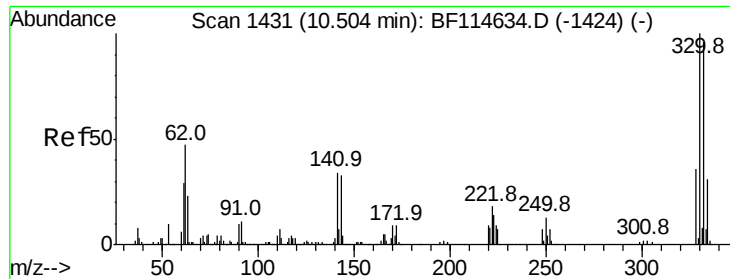
Abundance

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

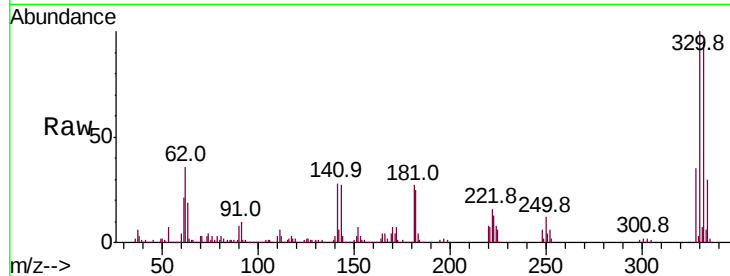




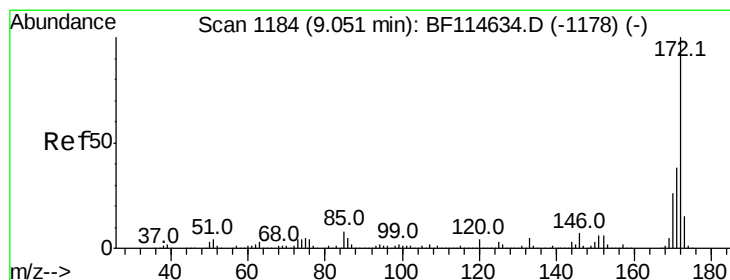
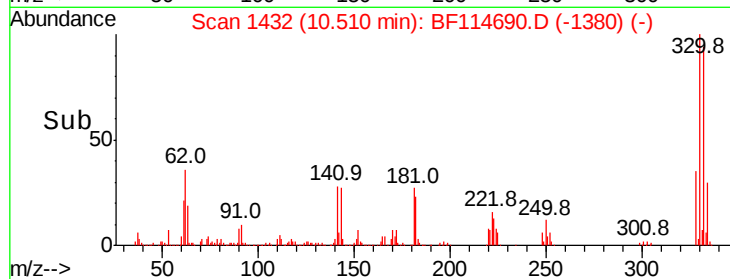
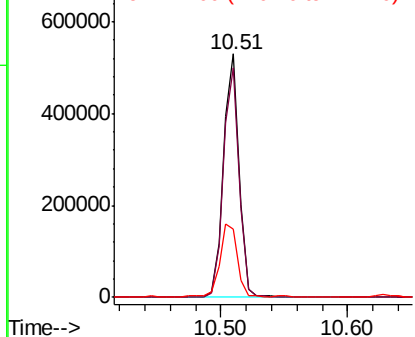
#42
 2,4,6-Tribromophenol
 Concen: 87.980 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: BF114690.D
 Acq: 31 May 2019 4:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 456382
 Ion Ratio Lower Upper
 330 100
 332 95.5 75.8 113.8
 141 33.3 27.8 41.8

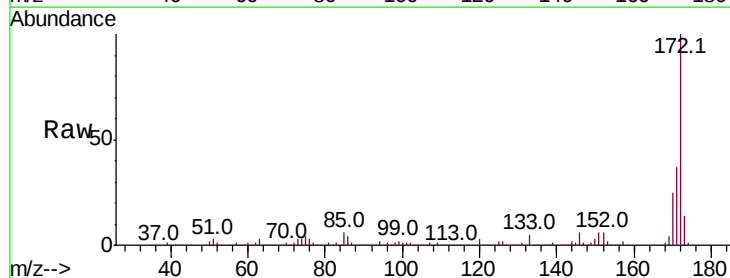


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

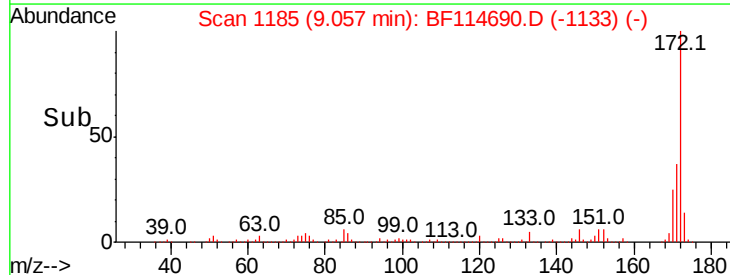
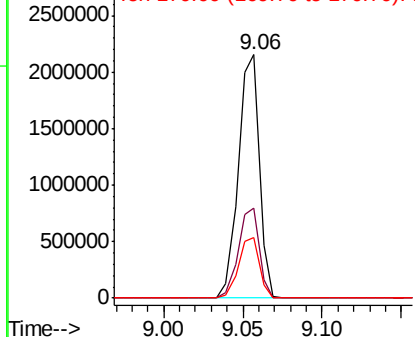


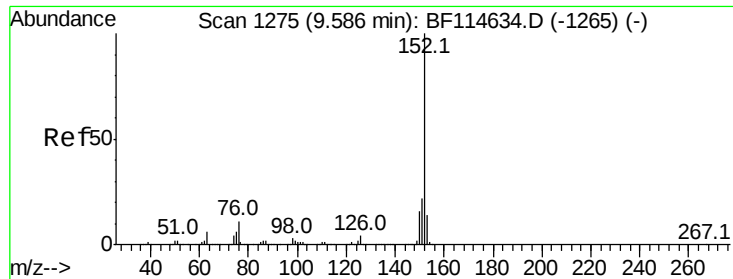
#45
 2-Fluorobiphenyl
 Concen: 64.324 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: BF114690.D
 Acq: 31 May 2019 4:43

Tgt Ion:172 Resp: 1977003
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.6 45.8
 170 24.8 20.7 31.1



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





#49

Acenaphthylene

Concen: 3.167 ng

RT: 9.59 min Scan# 1275

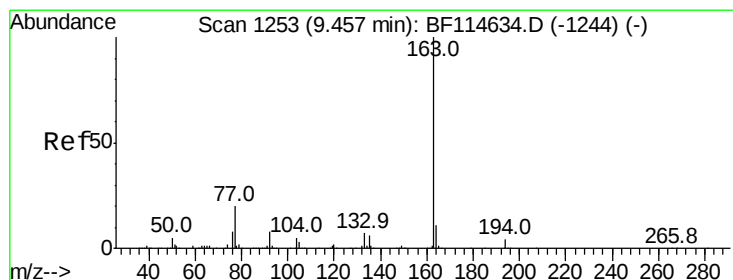
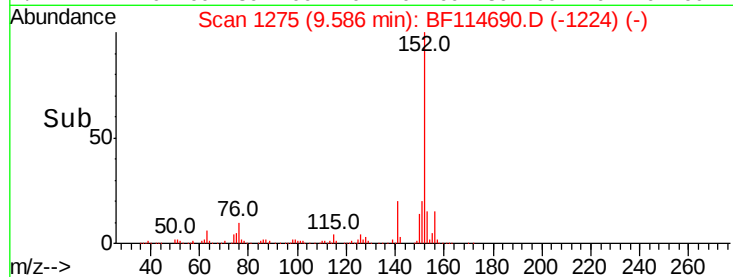
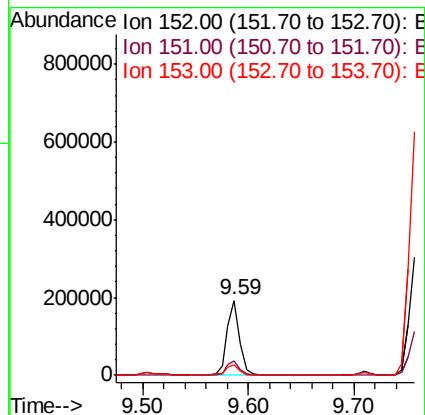
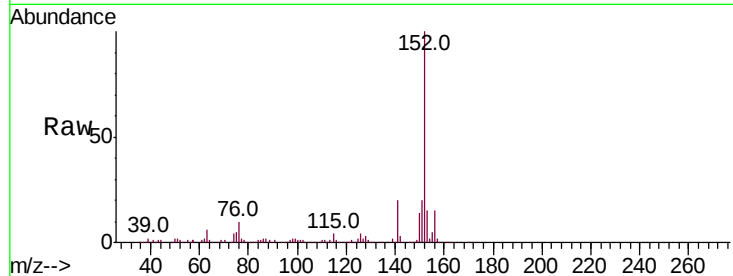
Delta R.T. 0.00 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	152	Resp:	162214
Ion	Ratio	Lower	Upper
152	100		
151	19.9	17.5	26.3
153	14.9	11.6	17.4



#50

Dimethylphthalate

Concen: 6.381 ng

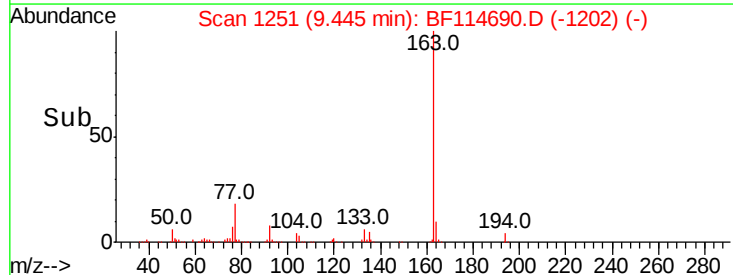
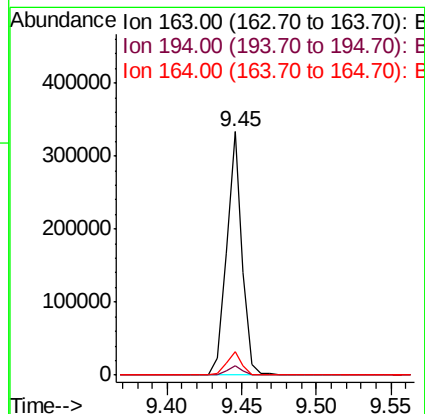
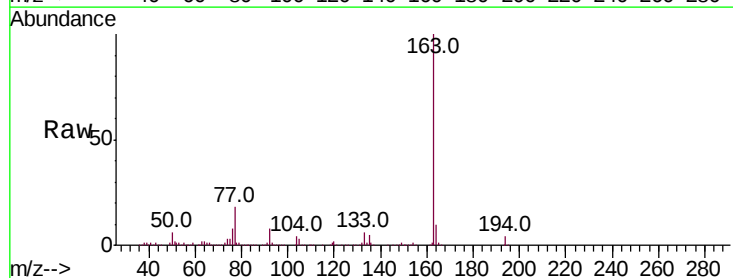
RT: 9.45 min Scan# 1251

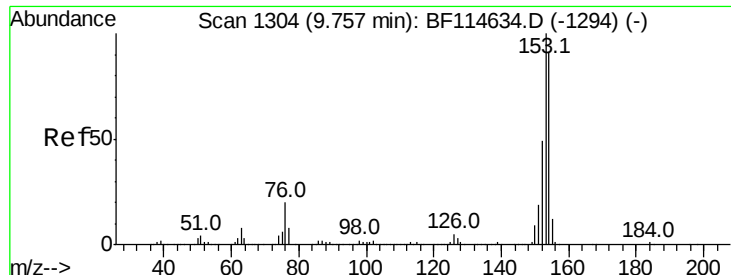
Delta R.T. -0.01 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

Tgt Ion:	163	Resp:	242047
Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	9.6	8.6	13.0





#52

Acenaphthene

Concen: 13.691 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

Instrument :

BNA_F

ClientSampleId :

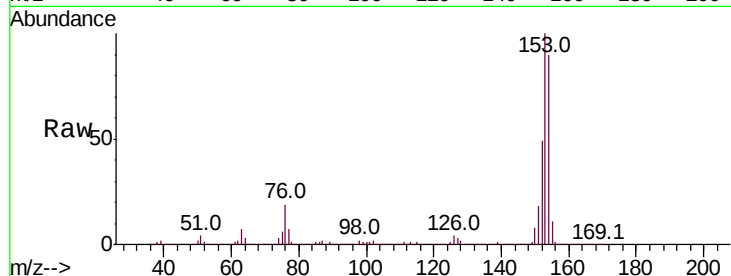
Tot Ion:154 Resp: 429988

Ion Ratio Lower Upper

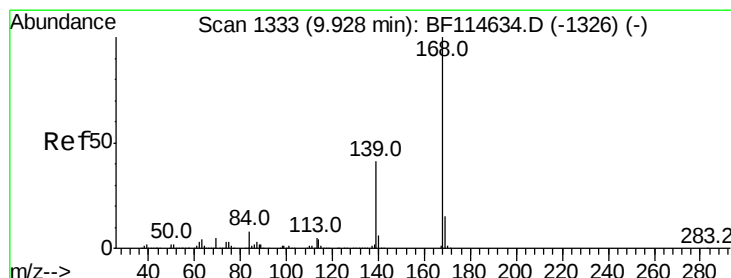
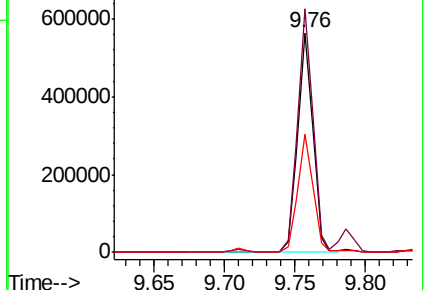
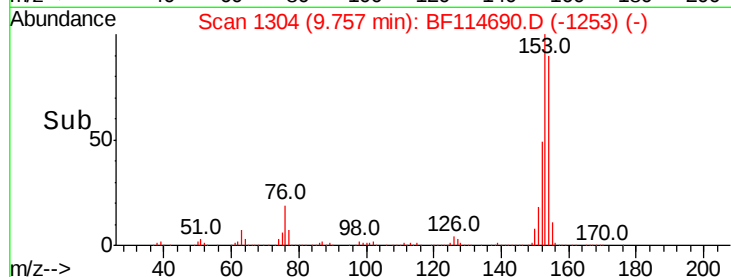
154 100

153 110.9 88.4 132.6

152 53.9 43.4 65.0



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: 7.872 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

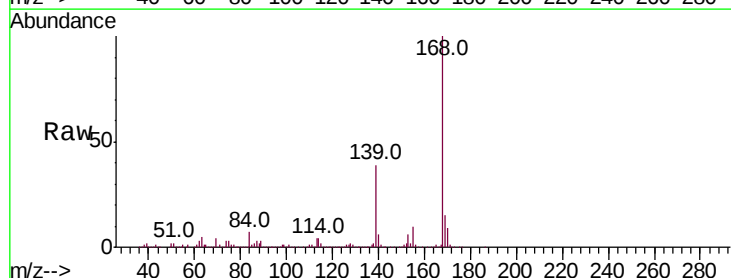
Tgt Ion:168 Resp: 351929

Ion Ratio Lower Upper

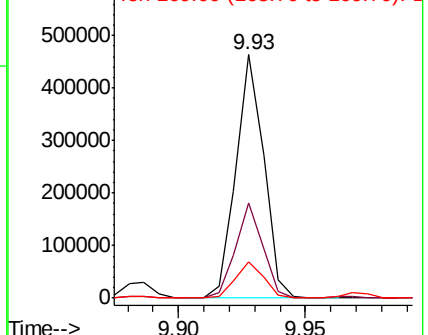
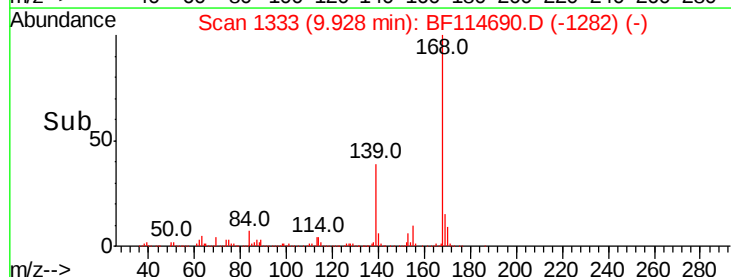
168 100

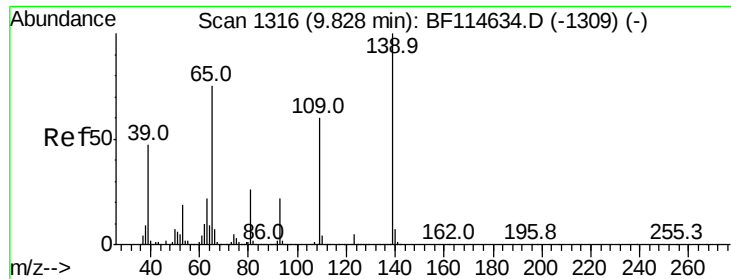
139 39.1 32.6 48.8

169 14.9 11.8 17.8



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

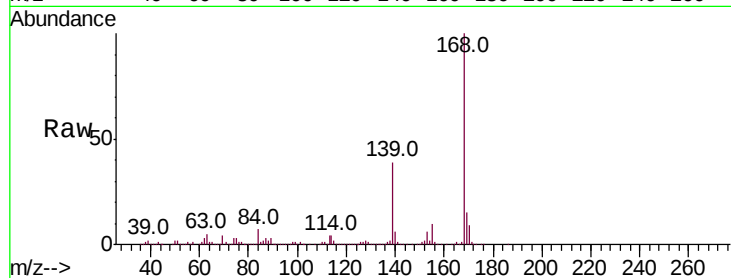




#56
4-Nitrophenol
Concen: 16.813 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.10 min
Lab File: BF114690.D
Acq: 31 May 2019 4:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	1.1	40.4	80.4#
65	1.8	54.7	94.7#

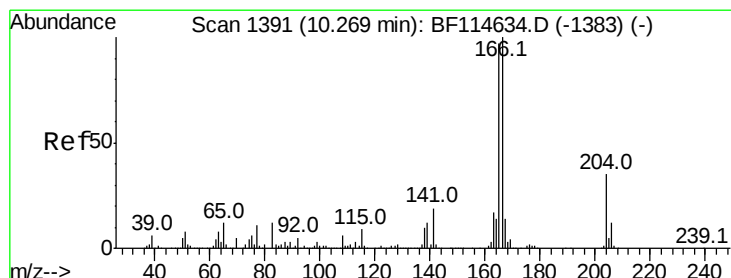
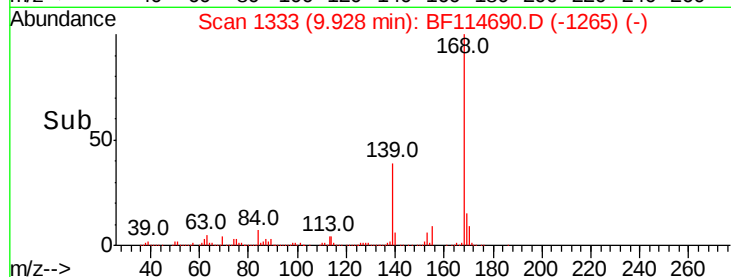
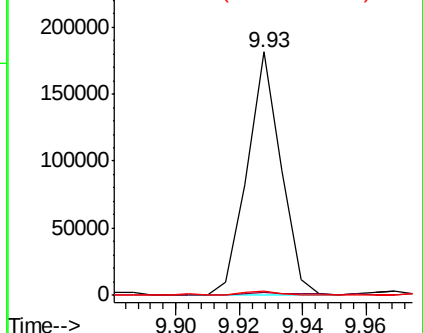


Abundance

Ion 139.00 (138.70 to 139.70): E

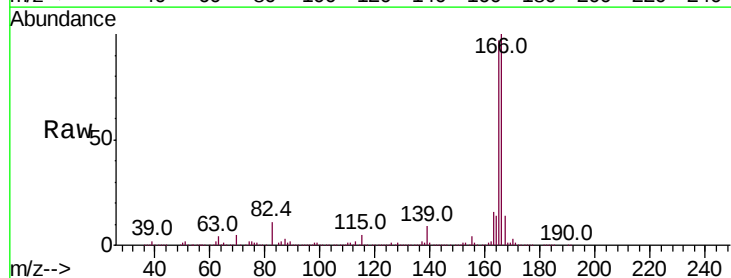
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#58
Fluorene
Concen: 12.308 ng
RT: 10.27 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BF114690.D
Acq: 31 May 2019 4:43

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.6	116.4
167	14.3	11.2	16.8

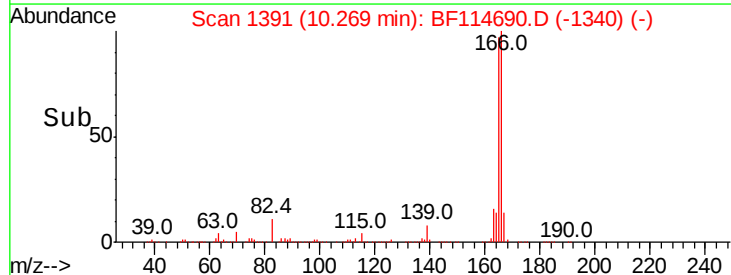
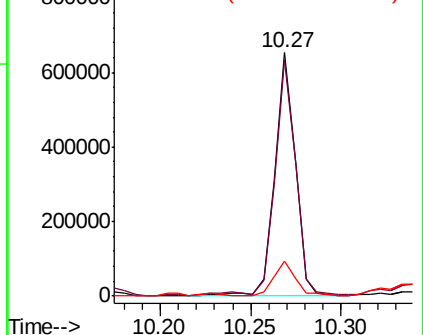


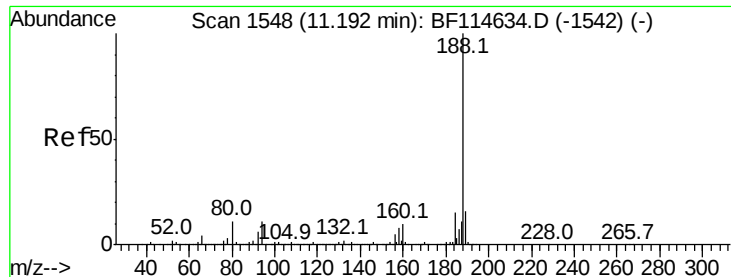
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1550

Delta R.T. 0.01 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

Instrument :

BNA_F

ClientSampled :

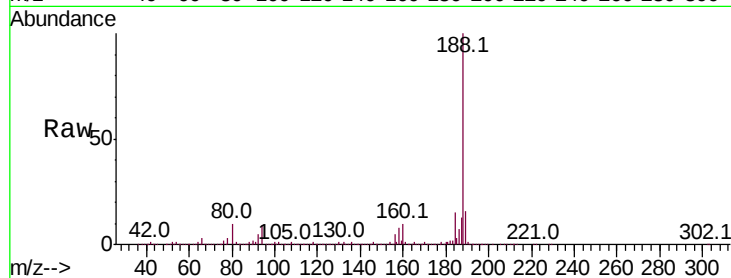
Tot Ion:188 Resp: 994663

Ion Ratio Lower Upper

188 100

94 9.3 8.6 13.0

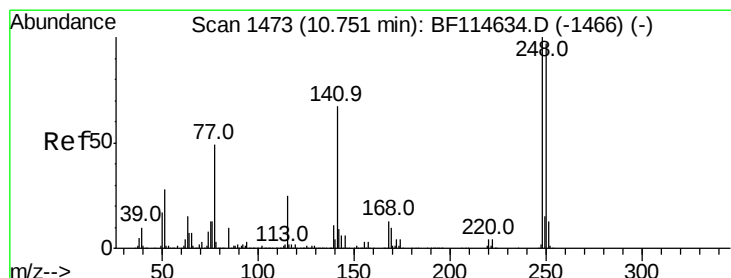
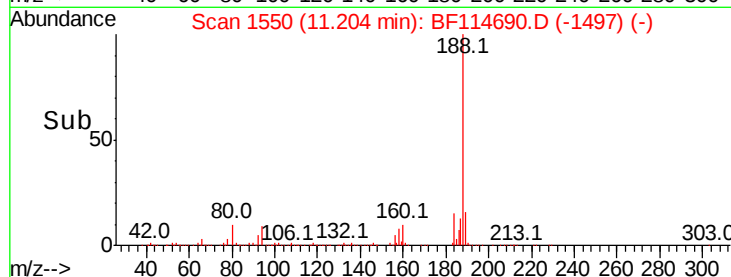
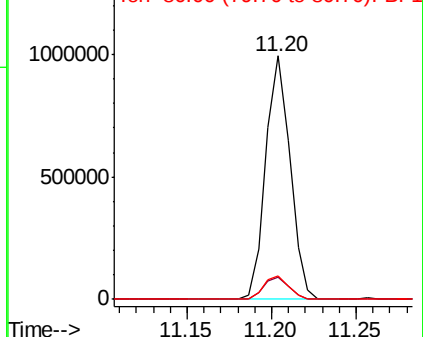
80 9.8 9.0 13.6



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



#67

4-Bromophenyl-phenylether

Concen: 2.807 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.24 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

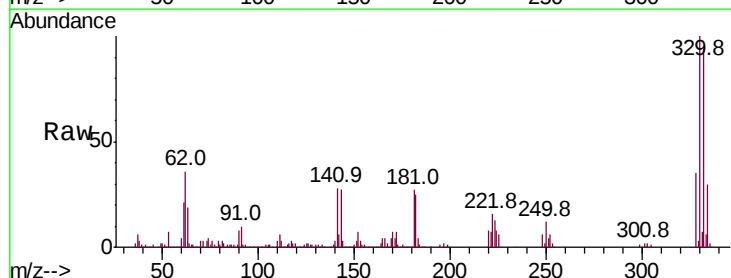
Tgt Ion:248 Resp: 29938

Ion Ratio Lower Upper

248 100

250 202.9 78.0 117.0#

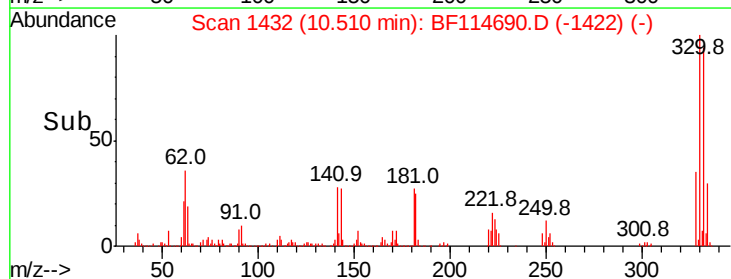
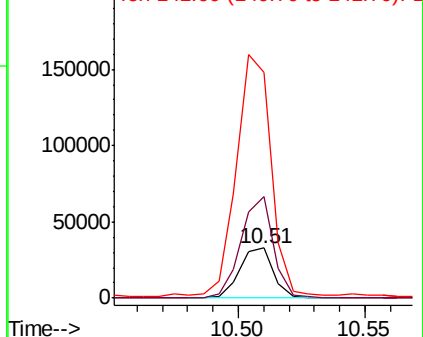
141 452.5 53.8 80.8#

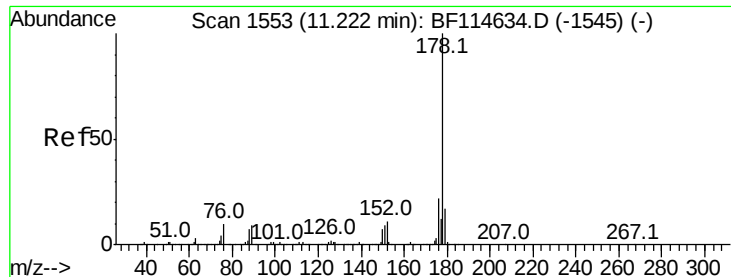


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

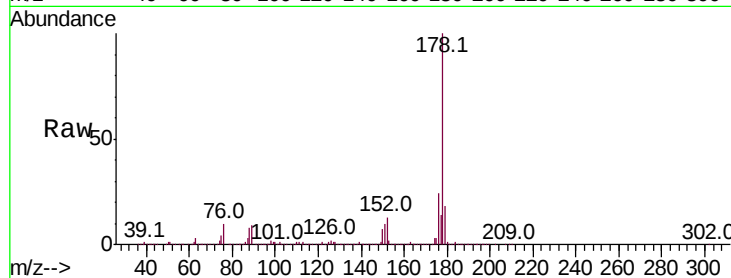




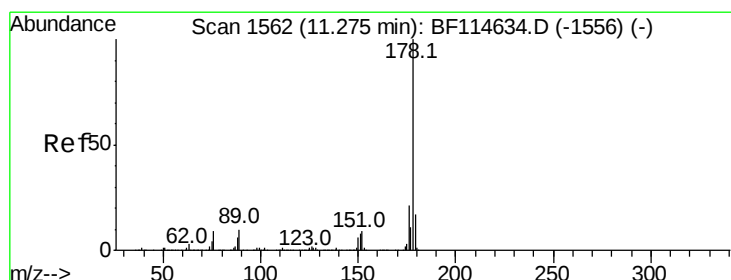
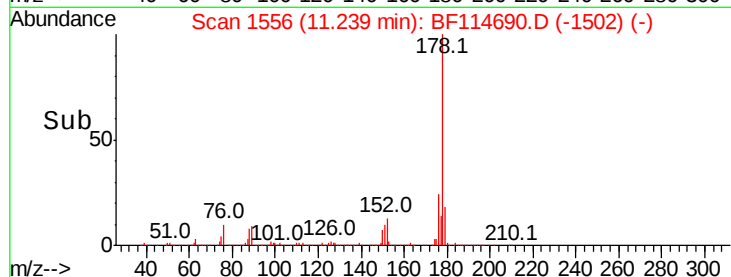
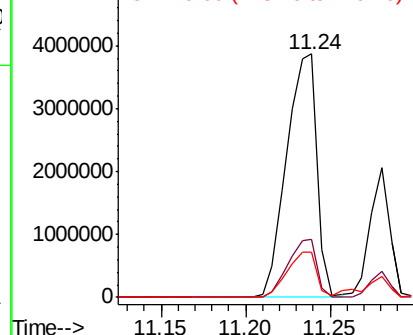
#71
Phenanthrene
Concen: 95.472 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.02 min
Lab File: BF114690.D
Acq: 31 May 2019 4:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 4844206
Ion Ratio Lower Upper
178 100
176 23.9 17.2 25.8
179 18.4 13.9 20.9

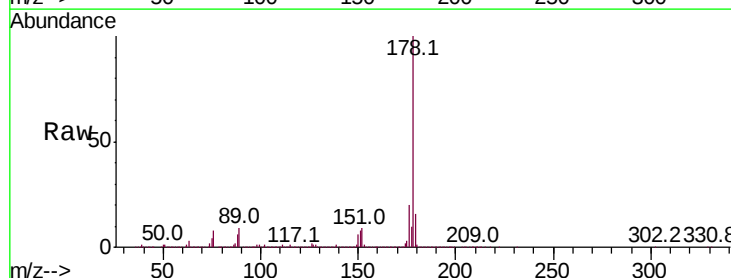


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

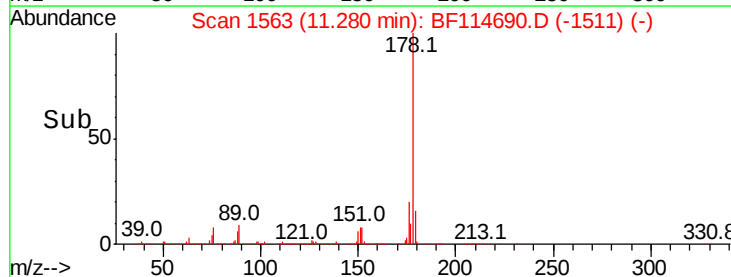
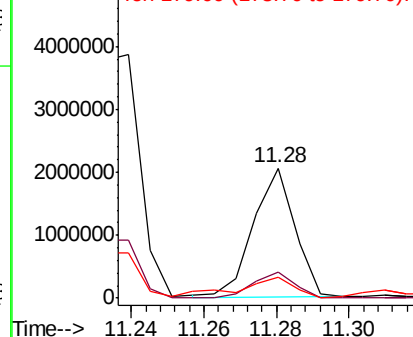


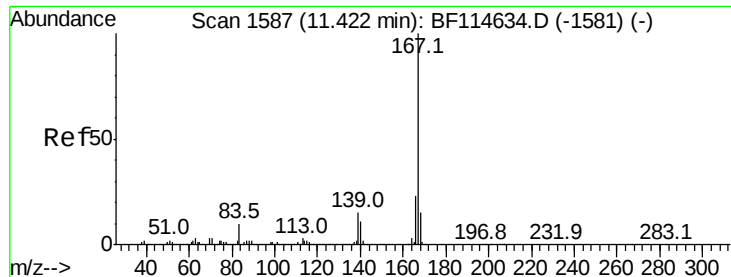
#72
Anthracene
Concen: 31.843 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF114690.D
Acq: 31 May 2019 4:43

Tgt Ion:178 Resp: 1635257
Ion Ratio Lower Upper
178 100
176 20.0 16.6 24.8
179 16.4 13.4 20.0



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

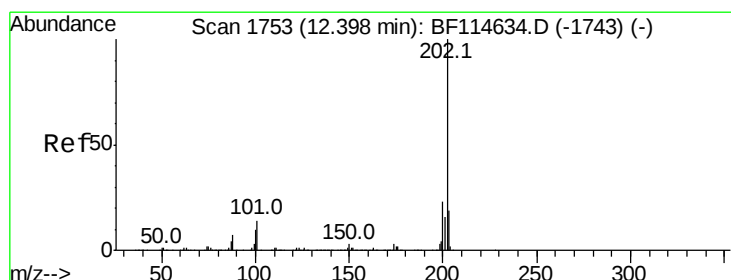
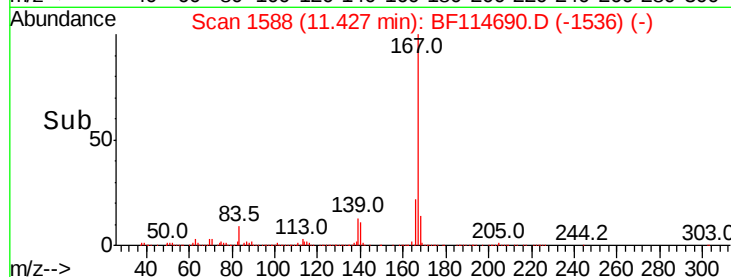
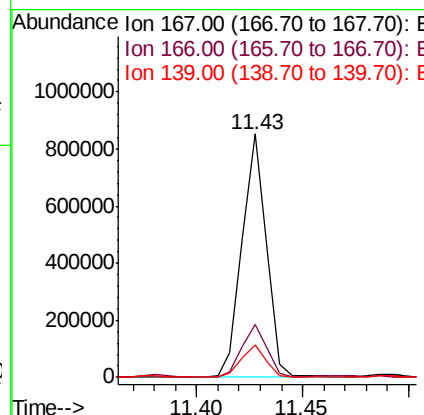
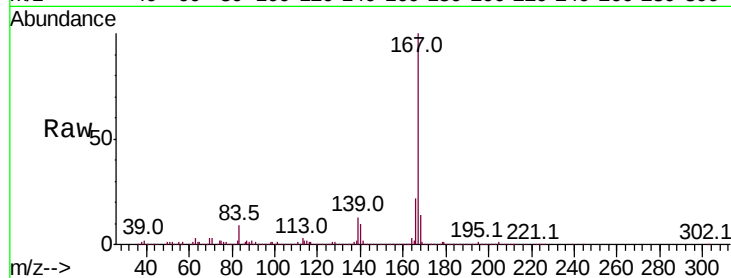




#73
 Carbazole
 Concen: 14.934 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.01 min
 Lab File: BF114690.D
 Acq: 31 May 2019 4:43

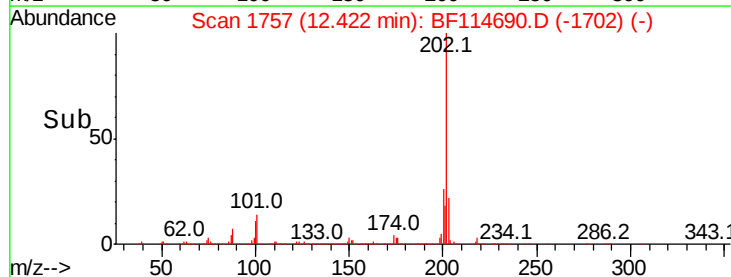
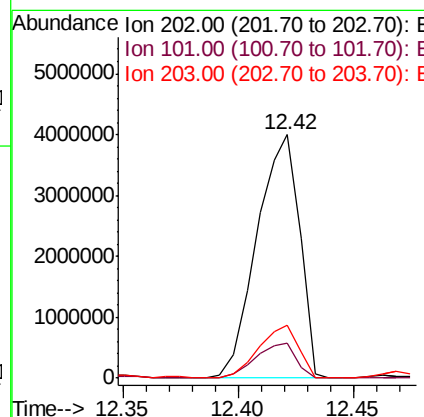
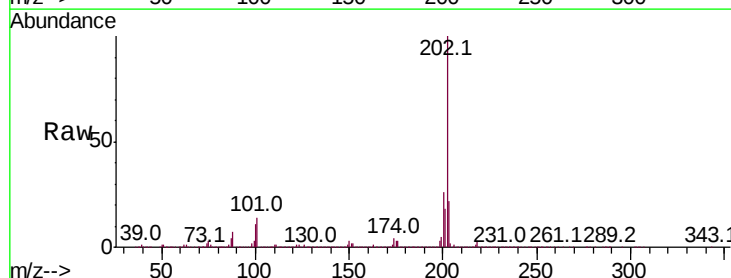
Instrument :
 BNA_F
 ClientSampled :

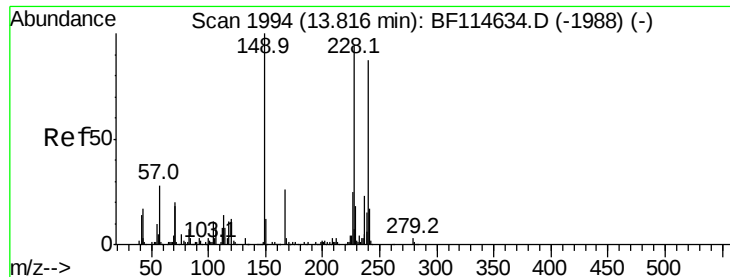
Tot Ion:167 Resp: 673996
 Ion Ratio Lower Upper
 167 100
 166 21.9 18.7 28.1
 139 13.3 11.8 17.8



#75
 Fluoranthene
 Concen: 97.089 ng
 RT: 12.42 min Scan# 1757
 Delta R.T. 0.02 min
 Lab File: BF114690.D
 Acq: 31 May 2019 4:43

Tgt Ion:202 Resp: 5100975
 Ion Ratio Lower Upper
 202 100
 101 14.4 0.0 33.9
 203 21.5 0.0 39.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.02 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

Instrument :

BNA_F

ClientSampleId :

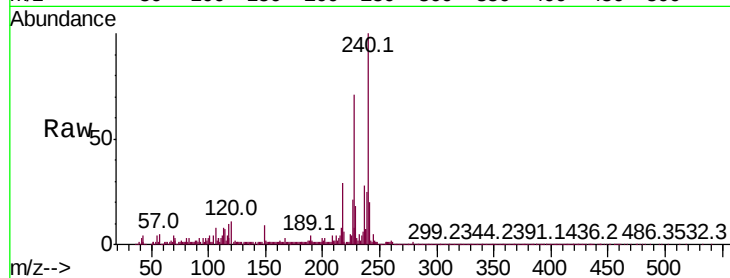
Tot Ion:240 Resp: 521011

Ion Ratio Lower Upper

240 100

120 11.4 11.2 16.8

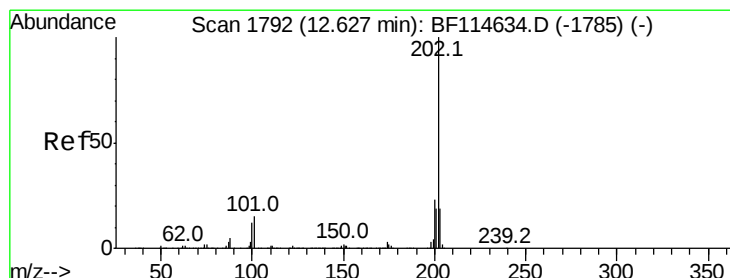
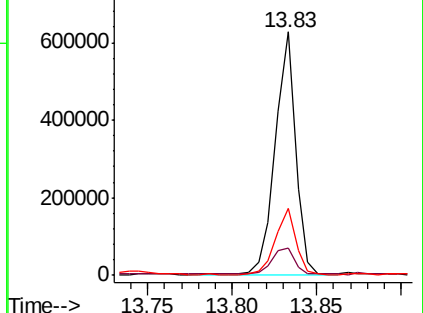
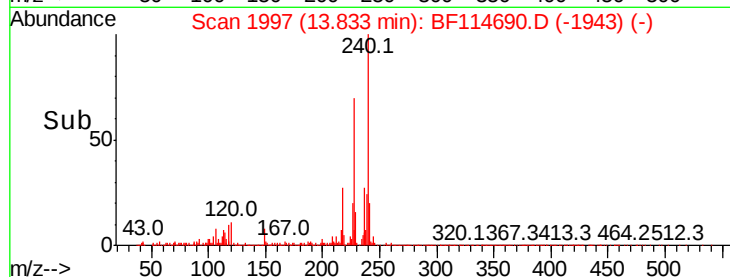
236 27.7 21.2 31.8



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

Pyrene

Concen: 114.707 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.02 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

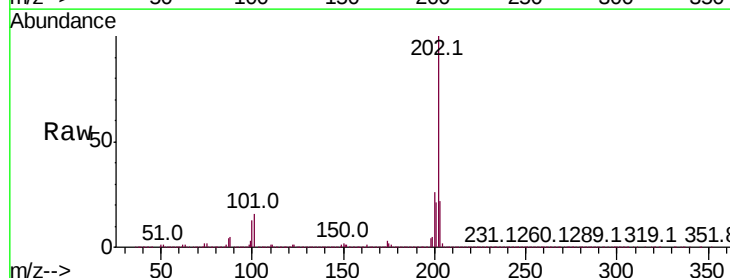
Tgt Ion:202 Resp: 5055555

Ion Ratio Lower Upper

202 100

200 26.0 18.6 28.0

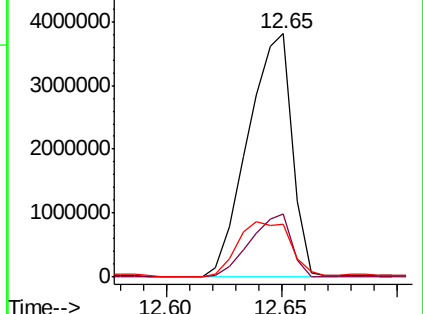
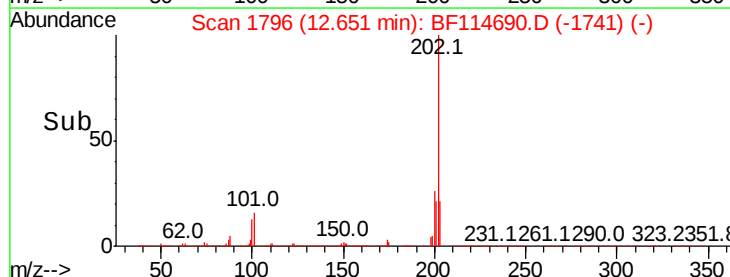
203 21.6 15.4 23.2

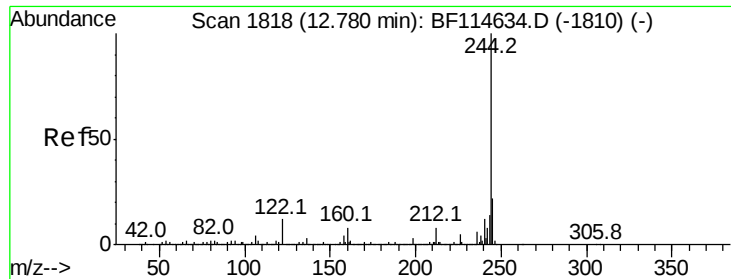


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 62.390 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

Instrument :

BNA_F

ClientSampled :

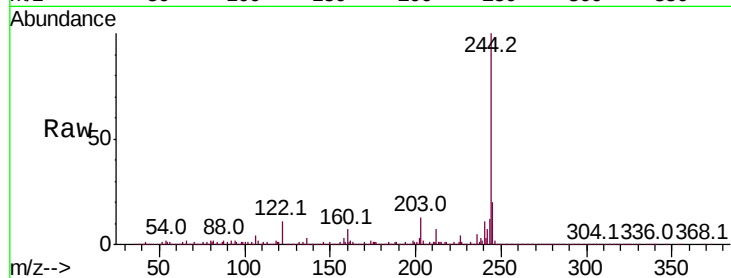
Tot Ion:244 Resp: 1728890

Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

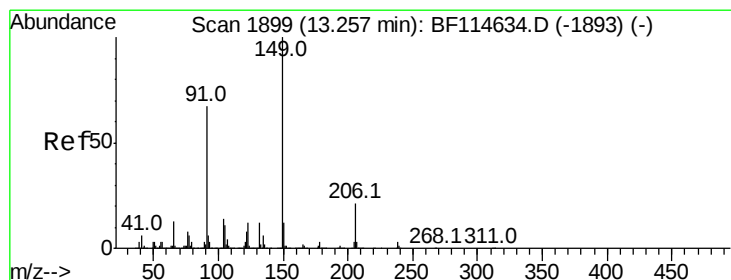
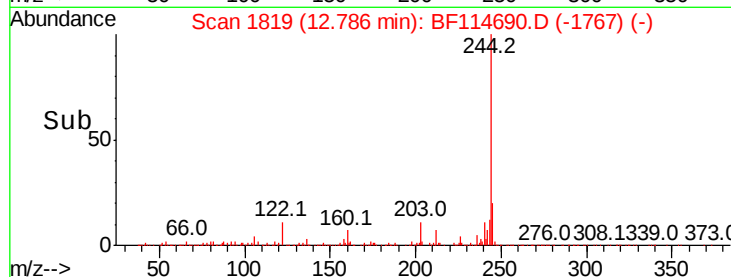
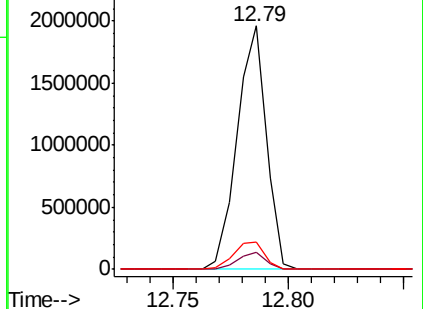
122 11.3 9.8 14.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 2.358 ng

RT: 13.26 min Scan# 1900

Delta R.T. 0.01 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

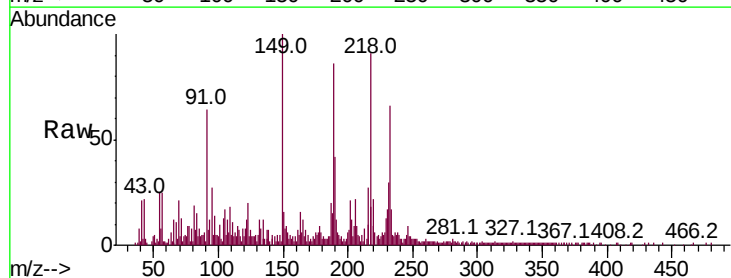
Tgt Ion:149 Resp: 52220

Ion Ratio Lower Upper

149 100

91 64.3 53.8 80.8

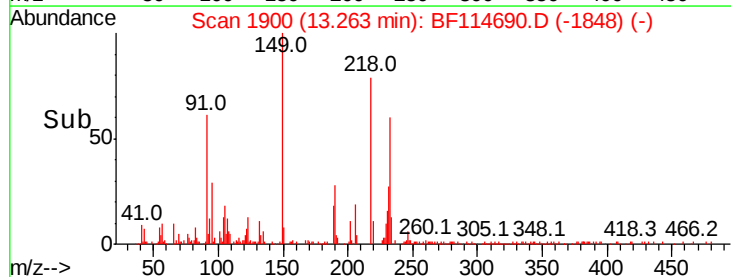
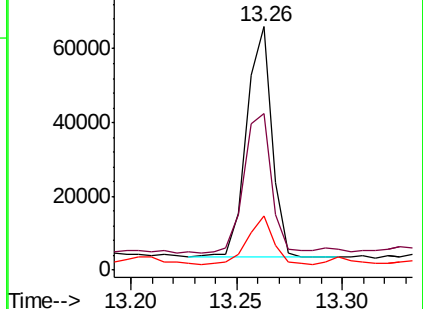
206 22.2 16.9 25.3

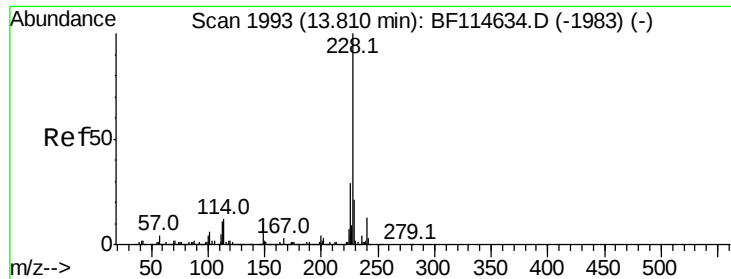


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 63.938 ng

RT: 13.82 min Scan# 1995

Delta R.T. 0.01 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

Instrument :

BNA_F

ClientSampled :

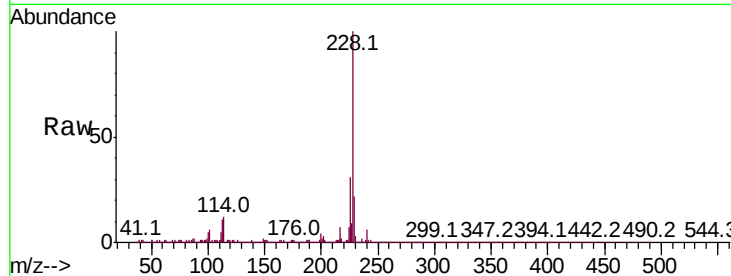
Tot Ion:228 Resp: 2559949

Ion Ratio Lower Upper

228 100

226 30.5 23.0 34.6

229 22.2 17.0 25.4

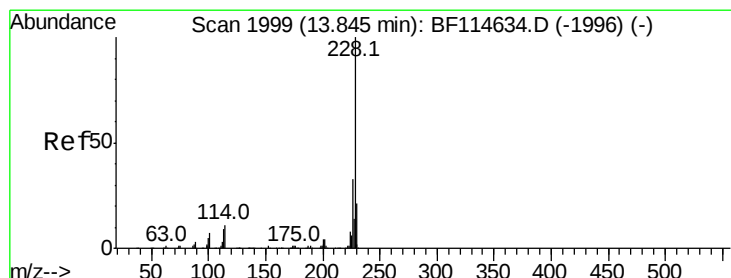
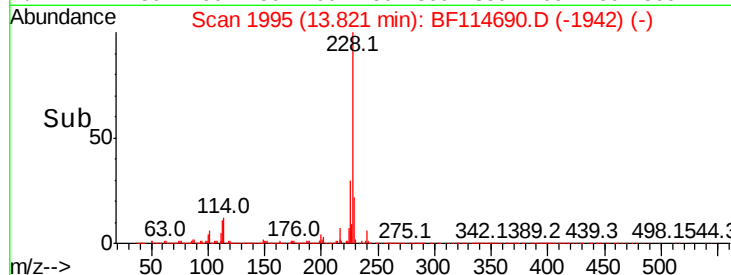
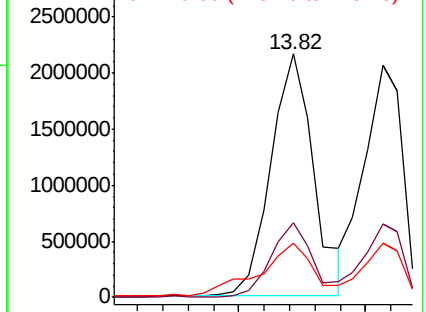


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 57.086 ng

RT: 13.86 min Scan# 2001

Delta R.T. 0.01 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

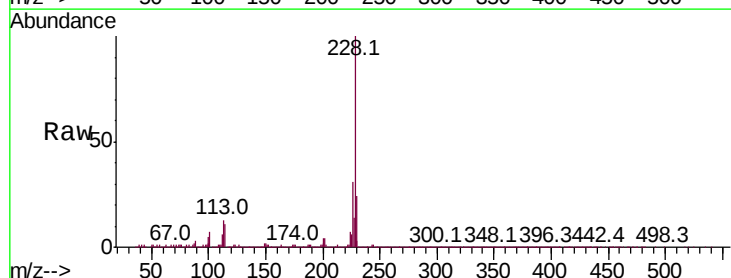
Tgt Ion:228 Resp: 2183694

Ion Ratio Lower Upper

228 100

226 31.4 26.4 39.6

229 23.5 17.1 25.7

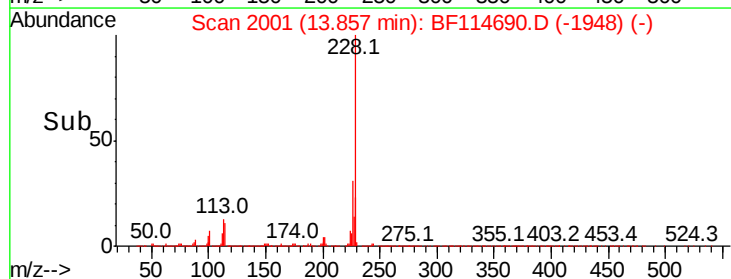
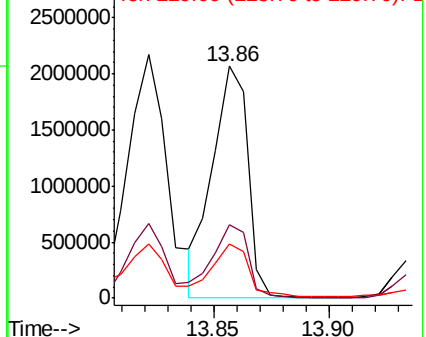


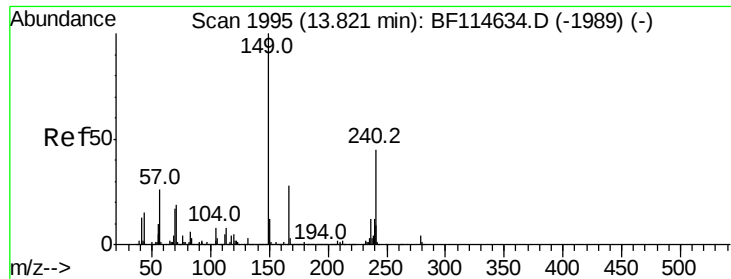
Abundance

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.620 ng

RT: 13.83 min Scan# 1996

Delta R.T. 0.01 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

Instrument :

BNA_F

ClientSampleId :

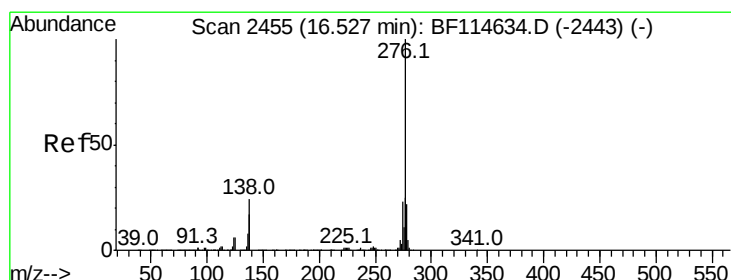
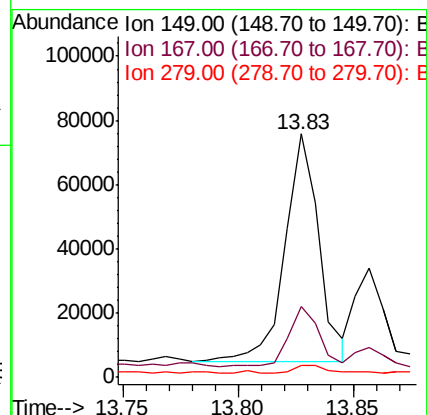
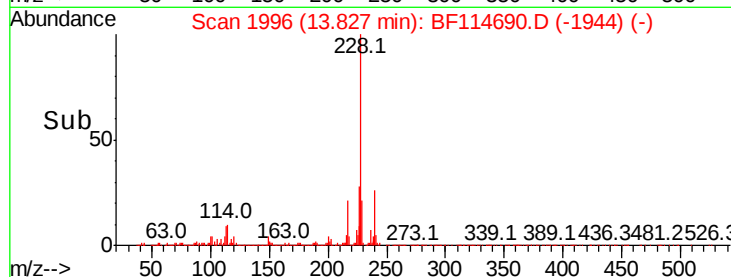
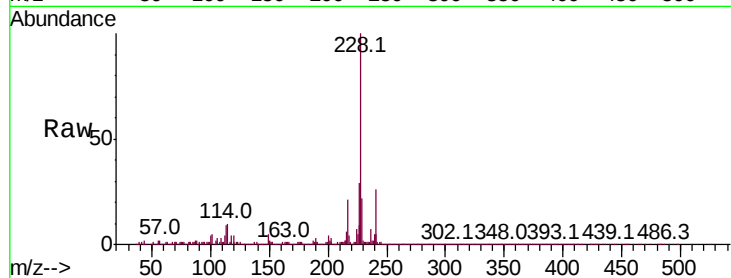
Tot Ion:149 Resp: 71734

Ion Ratio Lower Upper

149 100

167 28.9 22.6 33.8

279 5.2 3.0 4.4#



#86

Indeno(1,2,3-cd)pyrene

Concen: 24.509 ng

RT: 16.56 min Scan# 2460

Delta R.T. 0.03 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

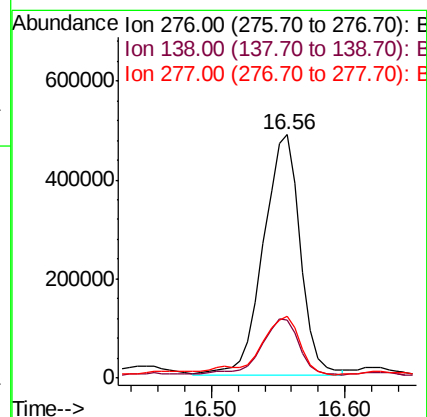
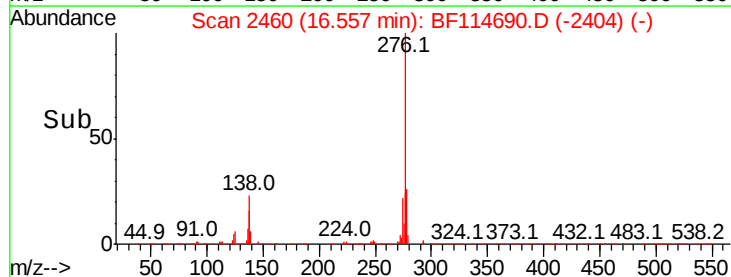
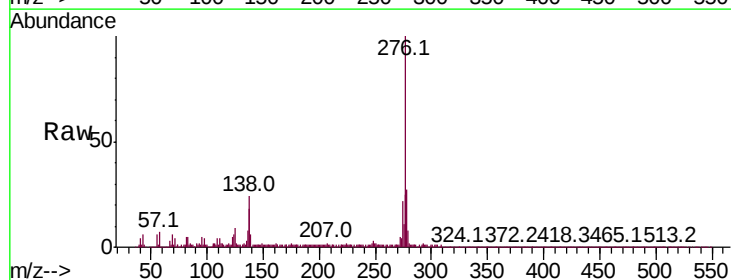
Tgt Ion:276 Resp: 938980

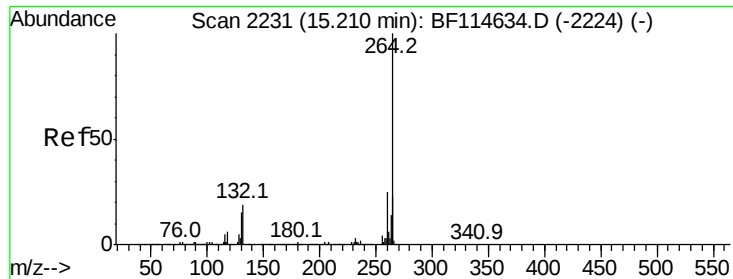
Ion Ratio Lower Upper

276 100

138 25.0 23.0 34.6

277 24.2 20.5 30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.01 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

Instrument :

BNA_F

ClientSampled :

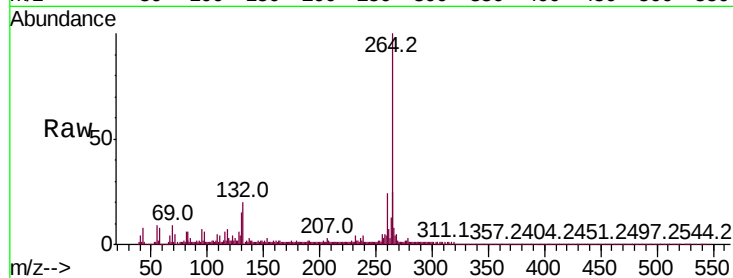
Tot Ion:264 Resp: 506170

Ion Ratio Lower Upper

264 100

260 24.3 19.7 29.5

265 25.3 18.1 27.1

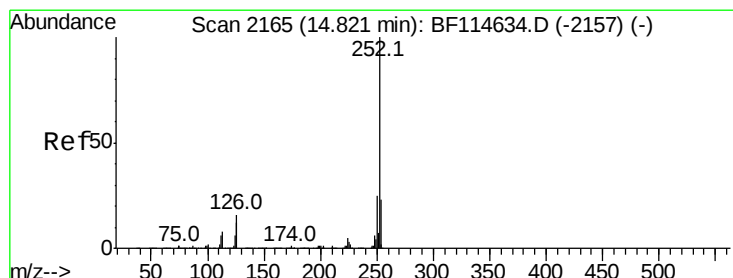
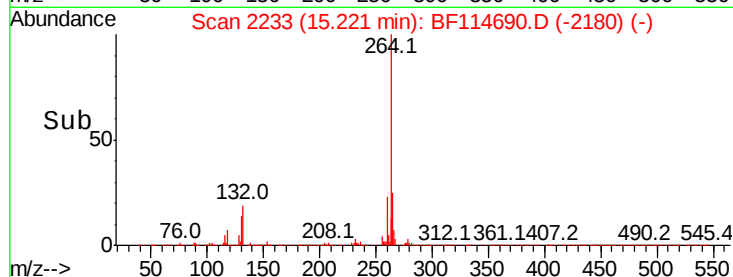
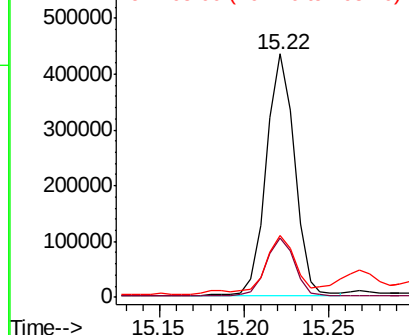


Abundance

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: 90.847 ng

RT: 14.84 min Scan# 2168

Delta R.T. 0.02 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

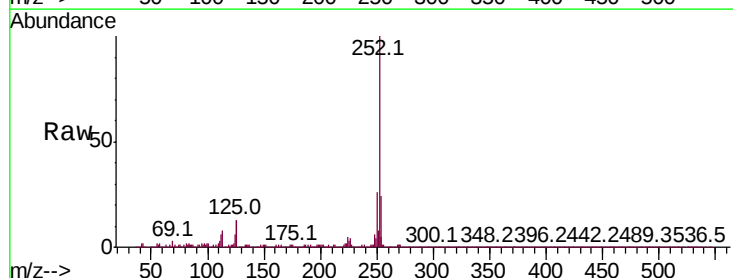
Tgt Ion:252 Resp: 2896247

Ion Ratio Lower Upper

252 100

253 23.7 18.7 28.1

125 12.8 9.4 14.2

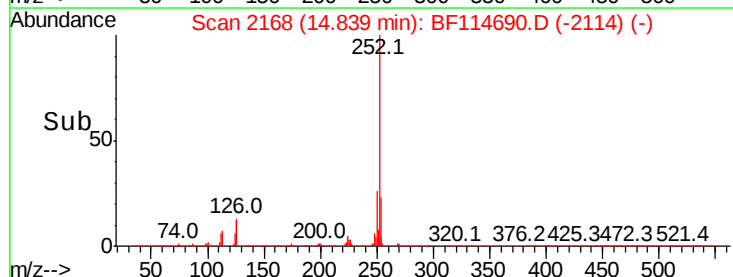
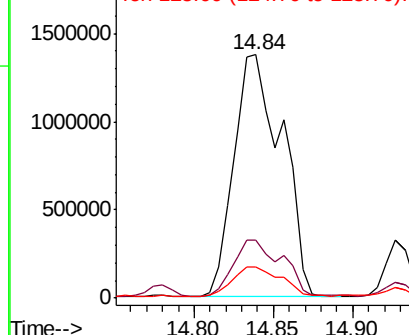


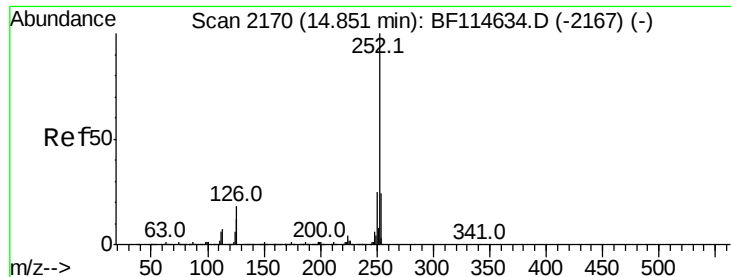
Abundance

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

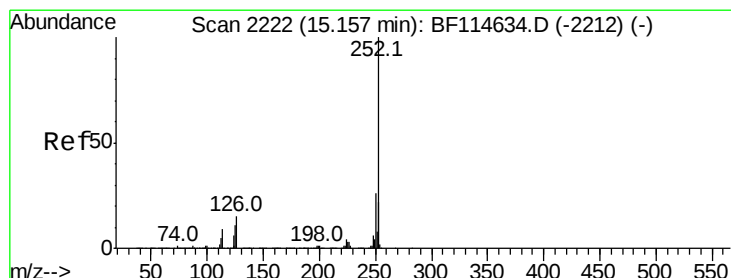
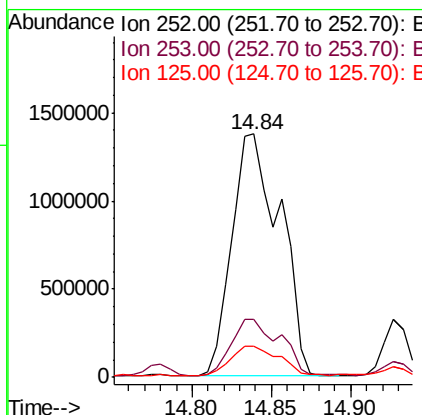
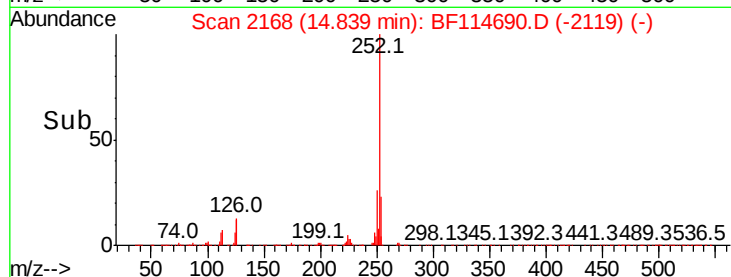
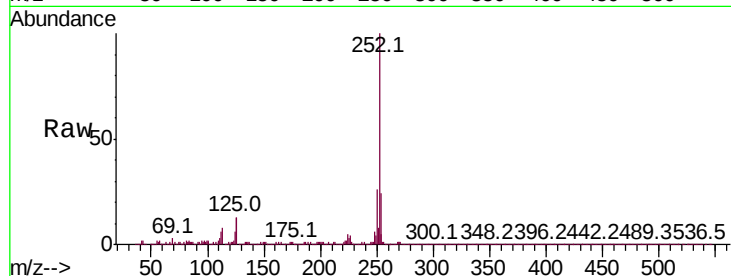




#89
Benzo(k)fluoranthene
Concen: 104.521 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF114690.D
Acq: 31 May 2019 4:43

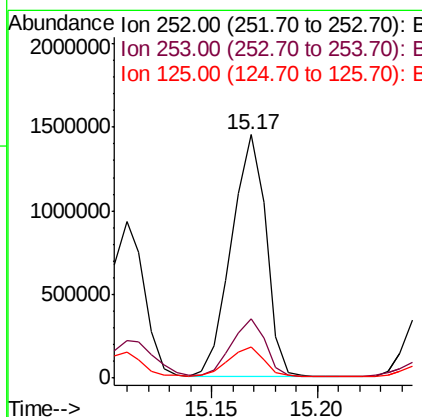
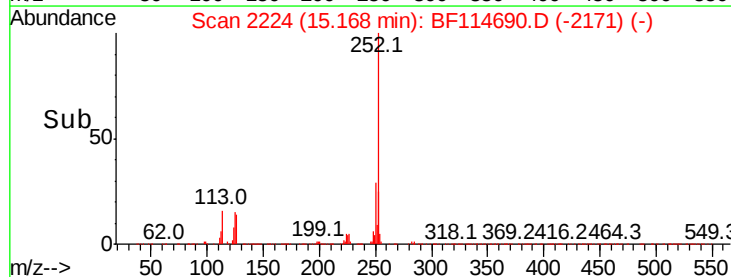
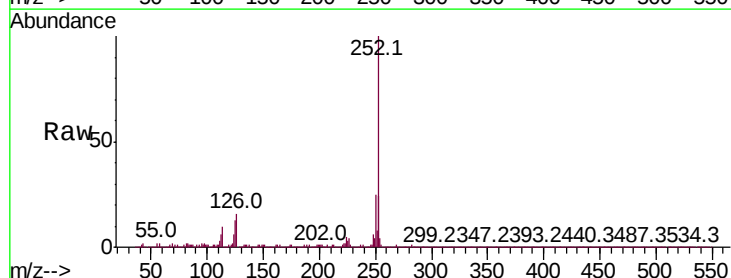
Instrument :
BNA_F
ClientSampleId :

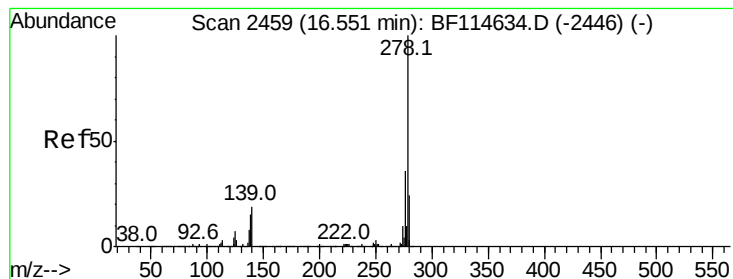
Tot Ion:252 Resp: 2896247
Ion Ratio Lower Upper
252 100
253 23.7 18.9 28.3
125 12.8 9.5 14.3



#90
Benzo(a)pyrene
Concen: 59.029 ng
RT: 15.17 min Scan# 2224
Delta R.T. 0.01 min
Lab File: BF114690.D
Acq: 31 May 2019 4:43

Tgt Ion:252 Resp: 1653202
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 12.9 9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 10.185 ng

RT: 16.56 min Scan# 2461

Delta R.T. 0.01 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

Instrument :

BNA_F

ClientSampleId :

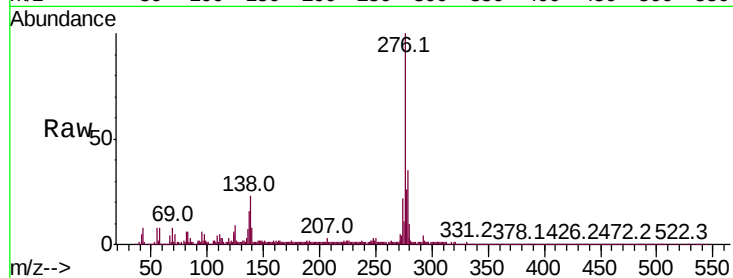
Tot Ion:278 Resp: 252067

Ion Ratio Lower Upper

278 100

139 21.2 14.9 22.3

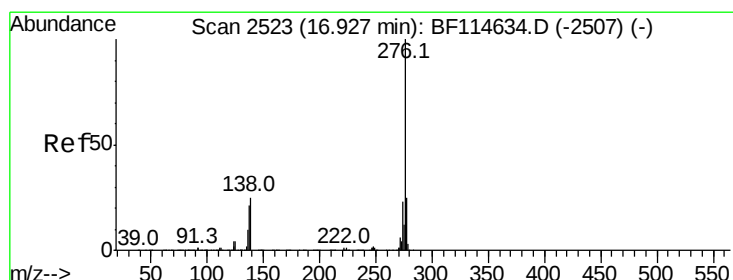
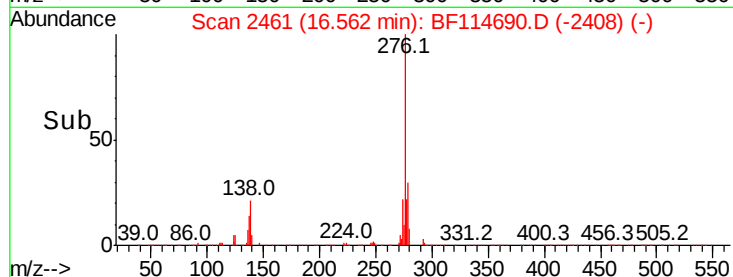
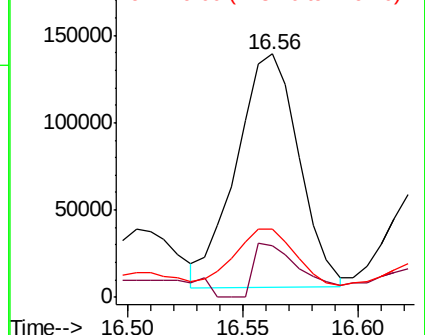
279 27.9 19.5 29.3



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(g,h,i)perylene

Concen: 35.849 ng

RT: 16.95 min Scan# 2527

Delta R.T. 0.02 min

Lab File: BF114690.D

Acq: 31 May 2019 4:43

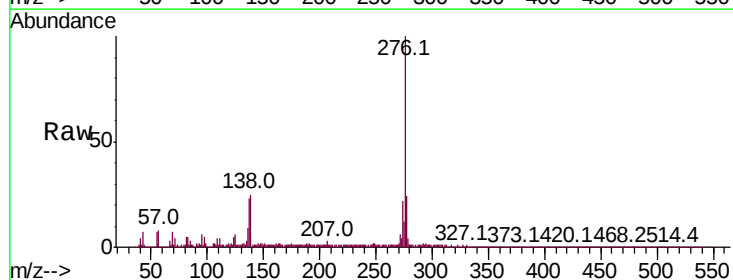
Tgt Ion:276 Resp: 861099

Ion Ratio Lower Upper

276 100

277 23.9 19.7 29.5

138 24.6 19.8 29.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

