

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\
 Data File : BF117670.D
 Acq On : 31 Oct 2019 20:40
 Operator : JU
 Sample : K5503-03DL 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 01:23:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	35246	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	156081	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	76668	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	105932	20.00	ng	0.00
76) Chrysene-d12	13.90	240	74651	20.00	ng	0.00
87) Perylene-d12	15.34	264	72938	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	20114	8.49	ng	0.05
7) Phenol-d6	6.42	99	30773	9.67	ng	0.04
23) Nitrobenzene-d5	7.32	82	22016	6.96	ng	0.02
42) 2,4,6-Tribromophenol	10.57	330	5212	7.86	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	35302	6.49	ng	0.00
79) Terphenyl-d14	12.83	244	33434	7.31	ng	0.00

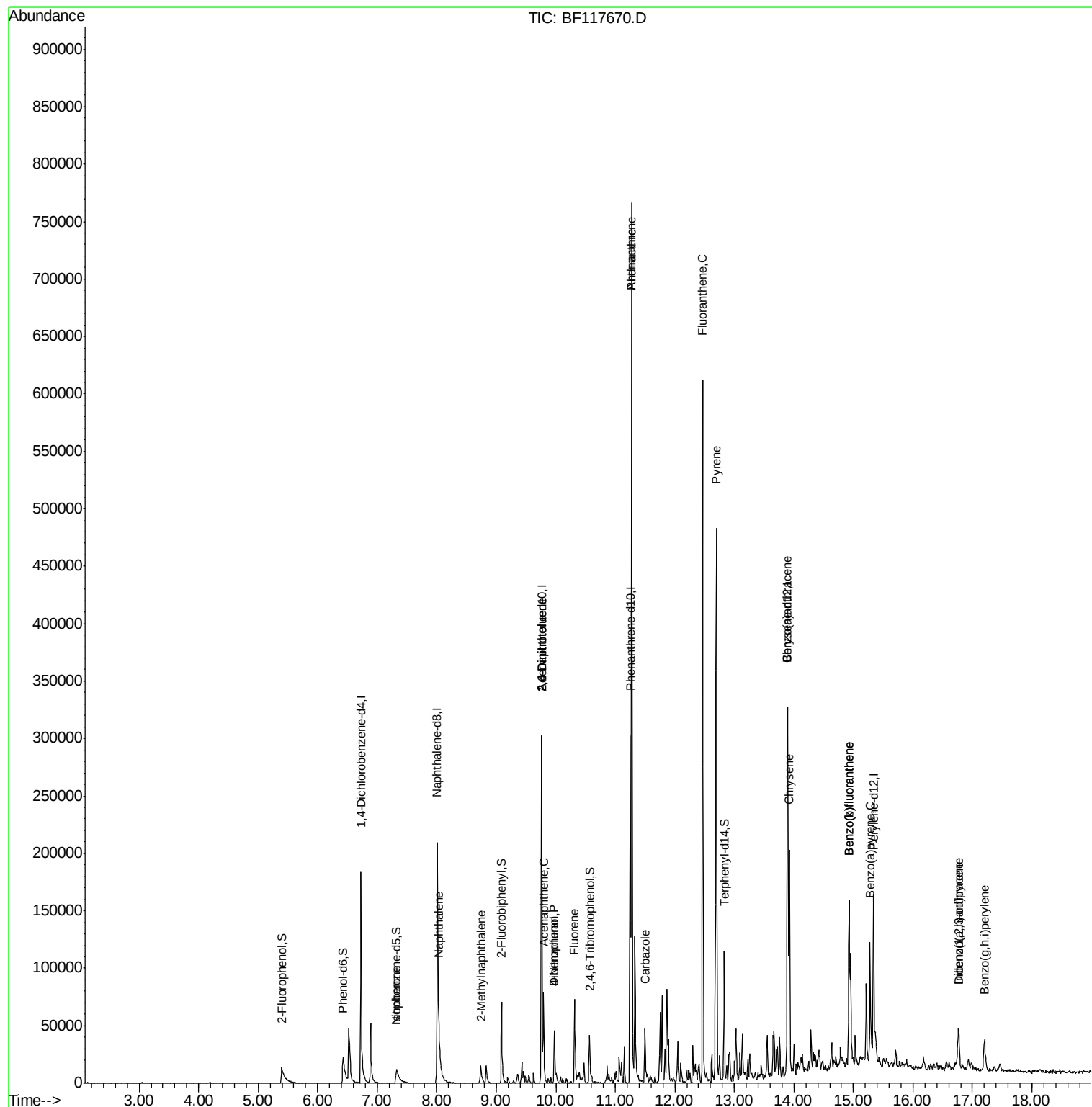
Target Compounds				Qvalue		
9) Benzaldehyde	6.52	77	131	Below Cal	#	3
25) Isophorone	7.32	82	22016	4.025	ng	65
31) Naphthalene	8.03	128	28356	3.665	ng	98
37) 2-Methylnaphthalene	8.74	142	10711	2.055	ng	91
51) 2,6-Dinitrotoluene	9.76	165	9964	8.736	ng	22
52) Acenaphthene	9.79	154	20296	4.706	ng	96
55) Dibenzofuran	9.97	168	27937	4.471	ng	98
56) 4-Nitrophenol	9.97	139	10595	19.904	ng	6
57) 2,4-Dinitrotoluene	9.76	165	9964	6.571	ng	12
58) Fluorene	10.32	166	29015	5.615	ng	96
71) Phenanthrene	11.27	178	294223	47.833	ng	99
72) Anthracene	11.27	178	294223	46.618	ng	100
73) Carbazole	11.50	167	25735	4.462	ng	97
75) Fluoranthene	12.47	202	248552	40.364	ng	98
77) Benzidine	12.83	184	302	Below Cal	#	67
78) Pyrene	12.70	202	196375	30.626	ng	99
81) Benzo(a)anthracene	13.89	228	87498	17.376	ng	98
83) Chrysene	13.93	228	77300	15.663	ng	98
86) Indeno(1,2,3-cd)pyrene	16.77	276	26767	7.265	ng	98
88) Benzo(b)fluoranthene	14.93	252	99813	23.174	ng	97
89) Benzo(k)fluoranthene	14.93	252	99813	22.610	ng	96
90) Benzo(a)pyrene	15.28	252	51069	13.041	ng	97
91) Dibenzo(a,h)anthracene	16.76	278	7560	2.233	ng	82
92) Benzo(g,h,i)perylene	17.20	276	22515	7.028	ng	92

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

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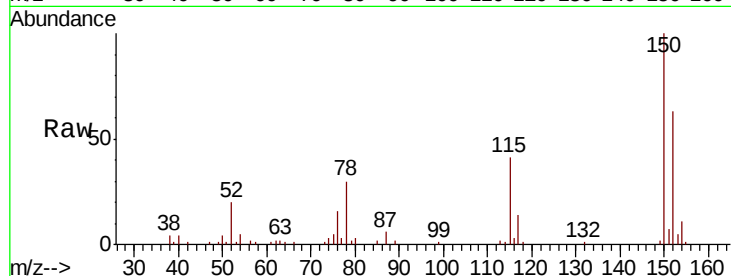


#1

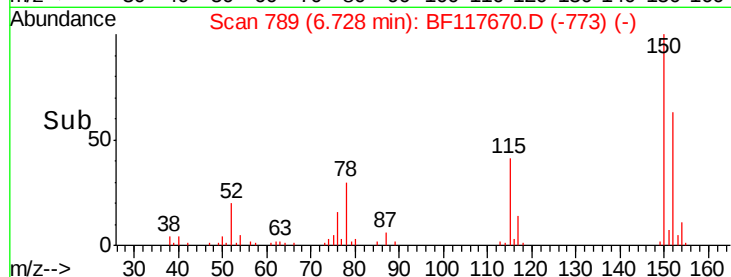
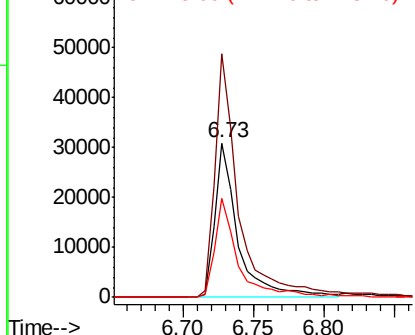
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117670.D
Acq: 31 Oct 2019 20:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 35246
Ion Ratio Lower Upper
152 100
150 157.9 126.8 190.2
115 64.0 51.6 77.4



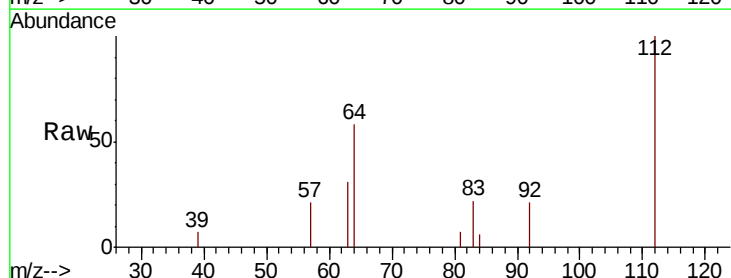
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



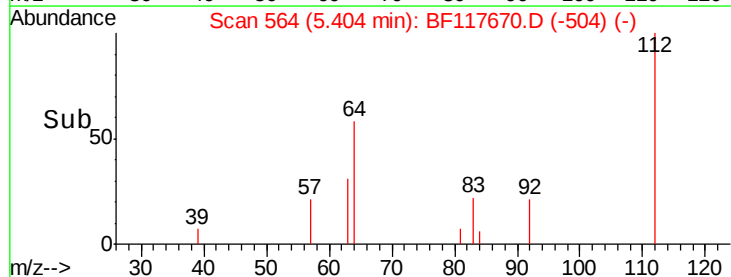
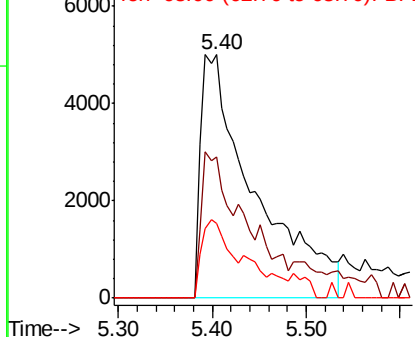
#5

2-Fluorophenol
Concen: 8.490 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.05 min
Lab File: BF117670.D
Acq: 31 Oct 2019 20:40

Tgt Ion:112 Resp: 20114
Ion Ratio Lower Upper
112 100
64 58.1 44.1 66.1
63 30.8 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: 9.671 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.04 min

Lab File: BF117670.D

Acq: 31 Oct 2019 20:40

Instrument :

BNA_F

ClientSampleId :

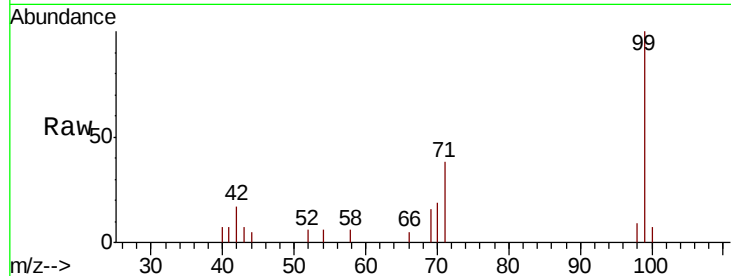
Tot Ion: 99 Resp: 30773

Ion Ratio Lower Upper

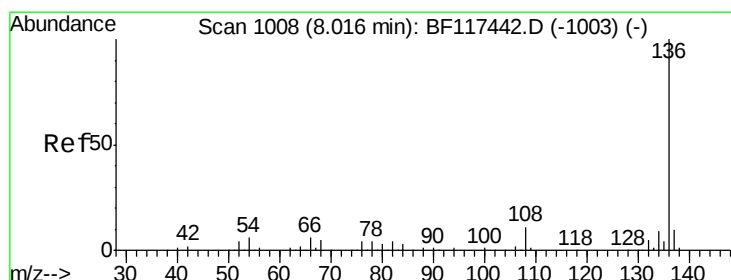
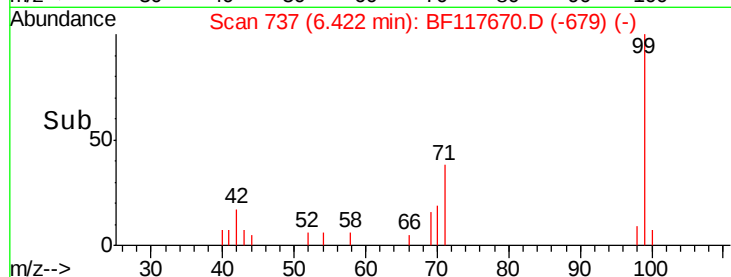
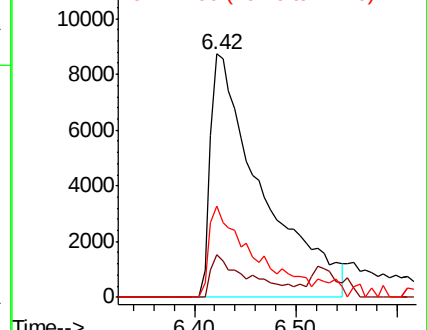
99 100

42 17.3 12.8 19.2

71 37.7 28.6 43.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117670.D

Acq: 31 Oct 2019 20:40

Tgt Ion: 136 Resp: 156081

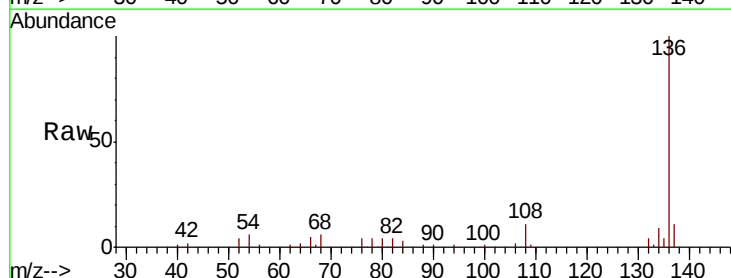
Ion Ratio Lower Upper

136 100

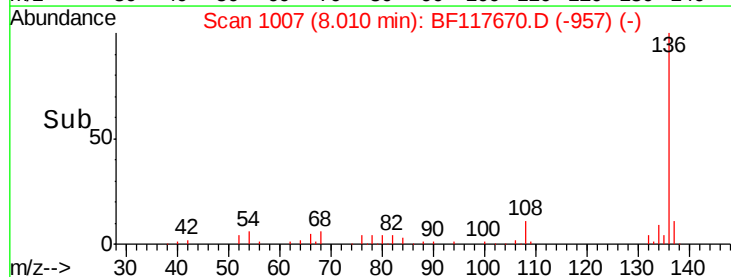
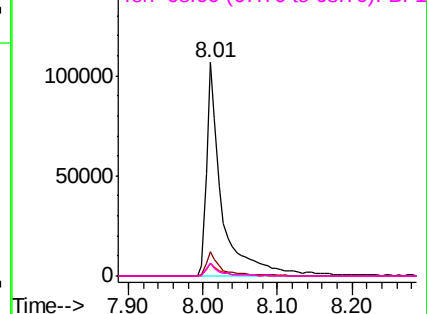
137 11.3 8.2 12.4

54 5.9 4.5 6.7

68 6.0 4.3 6.5



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

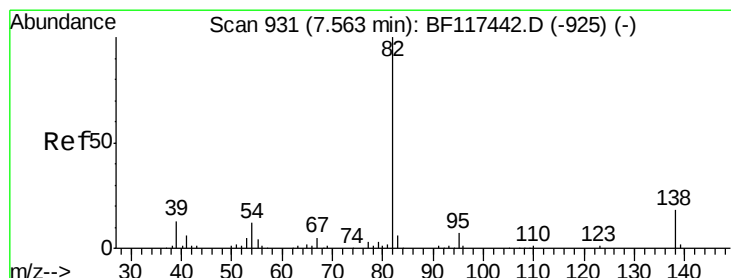
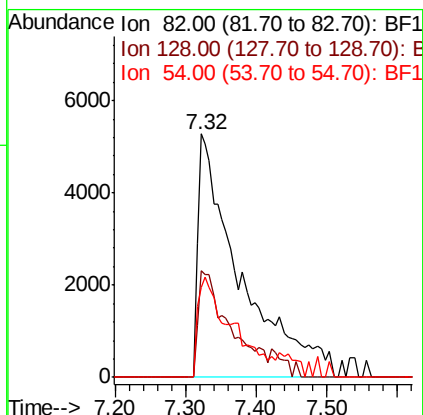
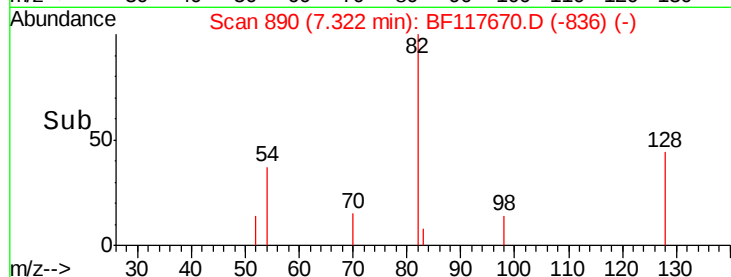
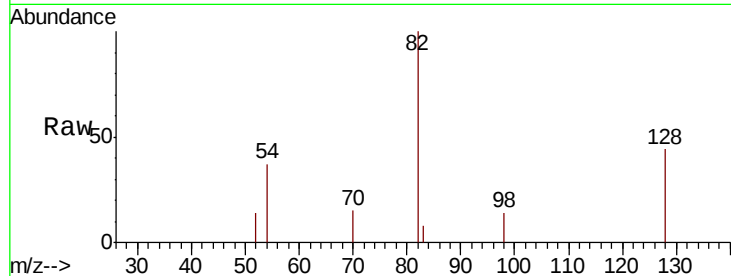




#23
Nitrobenzene-d5
Concen: 6.964 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.02 min
Lab File: BF117670.D
Acq: 31 Oct 2019 20:40

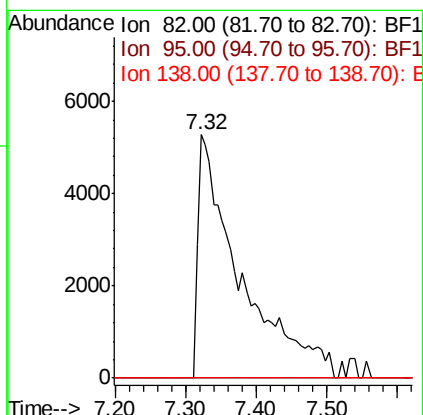
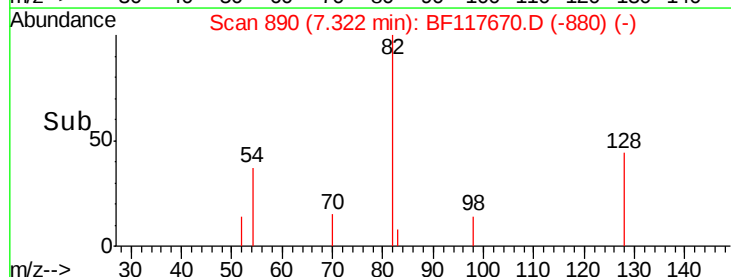
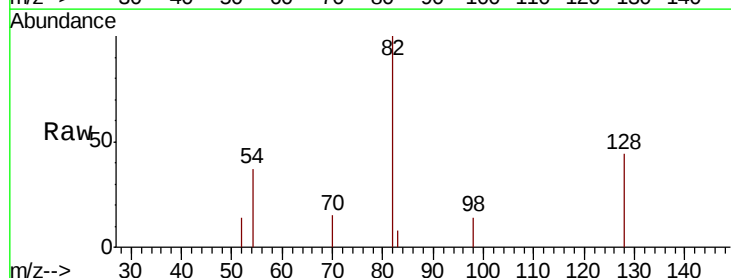
Instrument :
BNA_F
ClientSampleId :

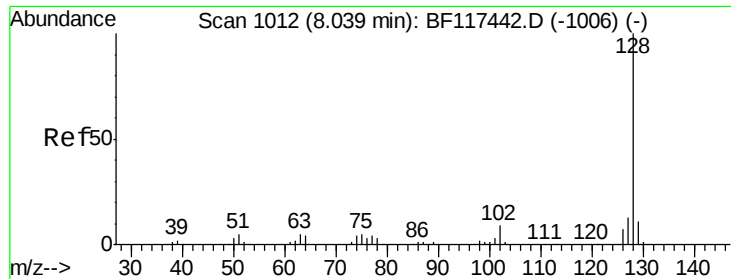
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.9	32.2	48.2
54	36.9	34.2	51.2



#25
Isophorone
Concen: 4.025 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.24 min
Lab File: BF117670.D
Acq: 31 Oct 2019 20:40

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#

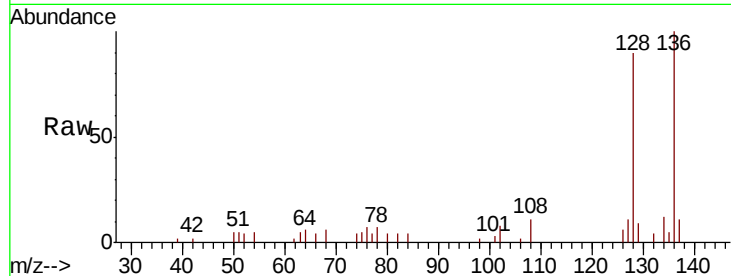




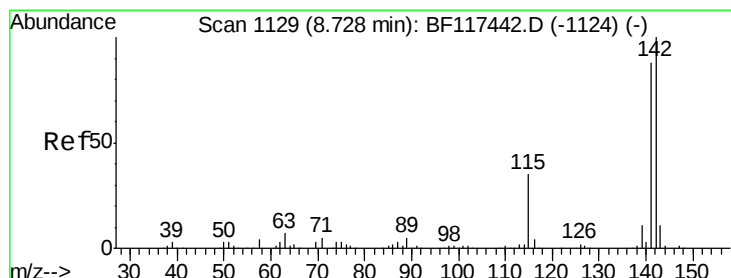
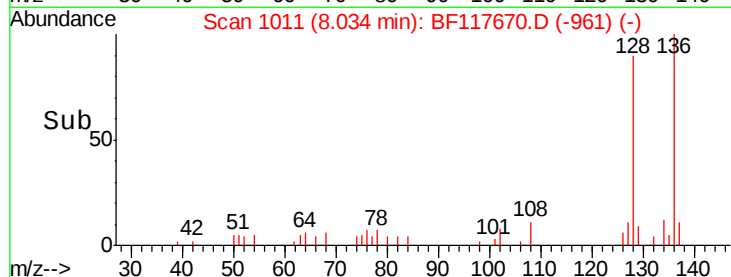
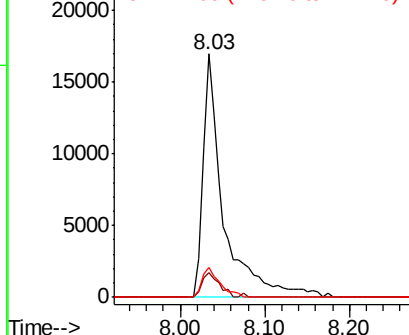
#31
Naphthalene
Concen: 3.665 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF117670.D
Acq: 31 Oct 2019 20:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 28356
Ion Ratio Lower Upper
128 100
129 10.1 9.0 13.4
127 12.2 10.2 15.2

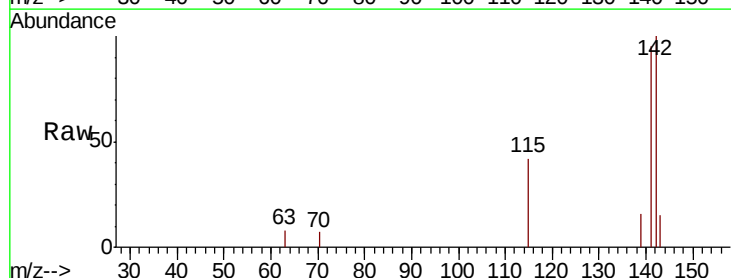


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

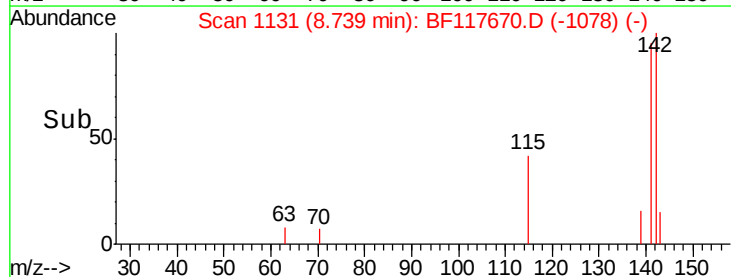
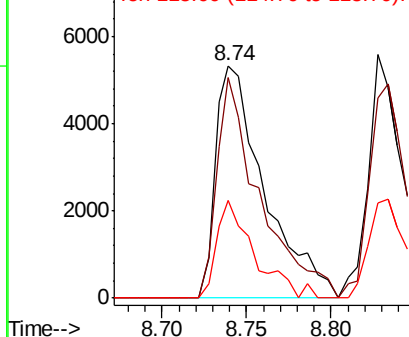


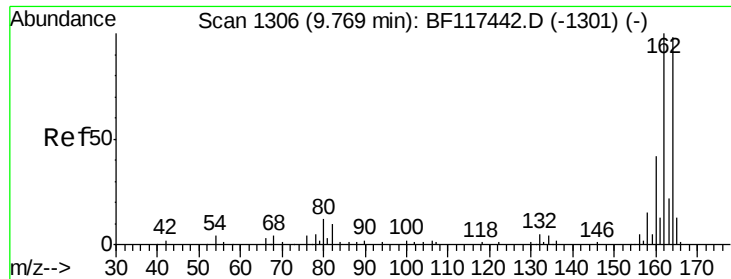
#37
2-Methylnaphthalene
Concen: 2.055 ng
RT: 8.74 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BF117670.D
Acq: 31 Oct 2019 20:40

Tgt Ion:142 Resp: 10711
Ion Ratio Lower Upper
142 100
141 94.8 70.3 105.5
115 41.9 28.2 42.2



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

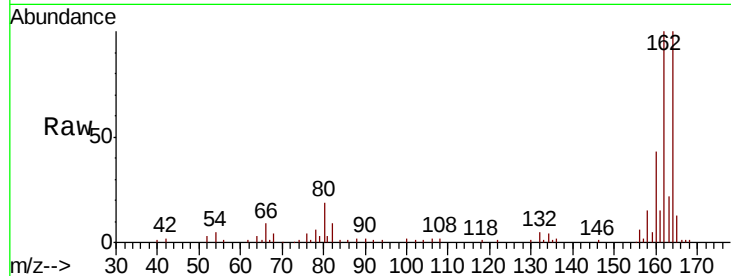




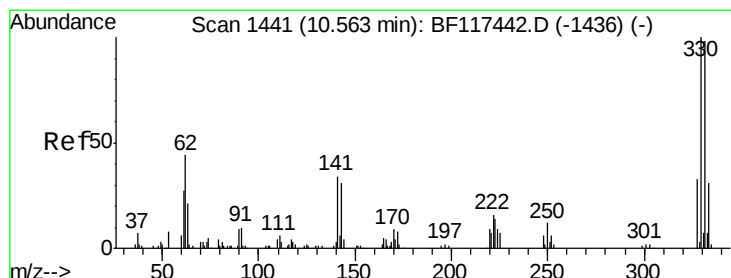
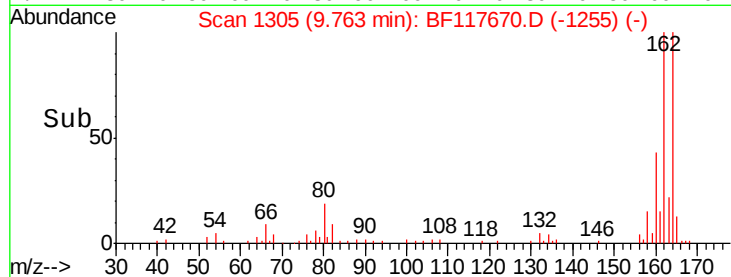
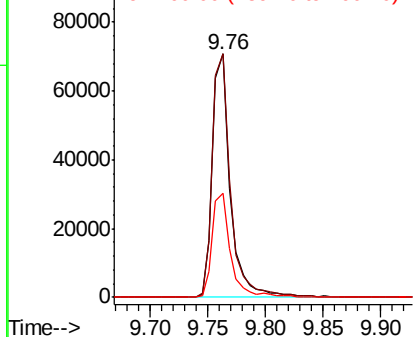
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117670.D
Acq: 31 Oct 2019 20:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 76668
Ion Ratio Lower Upper
164 100
162 100.0 81.8 122.6
160 42.7 34.4 51.6

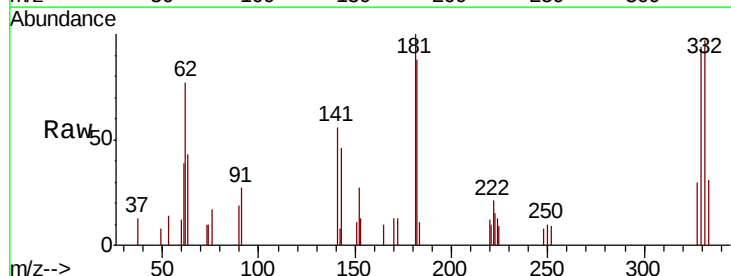


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

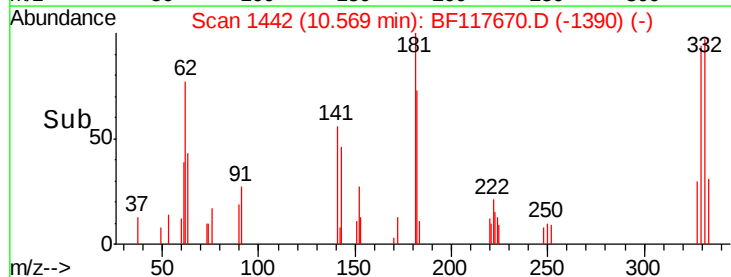
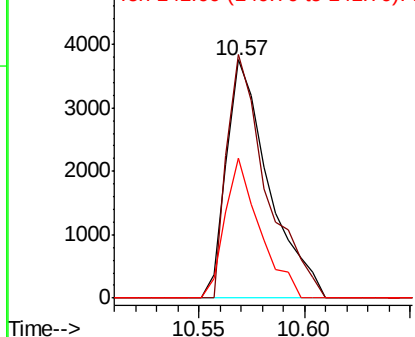


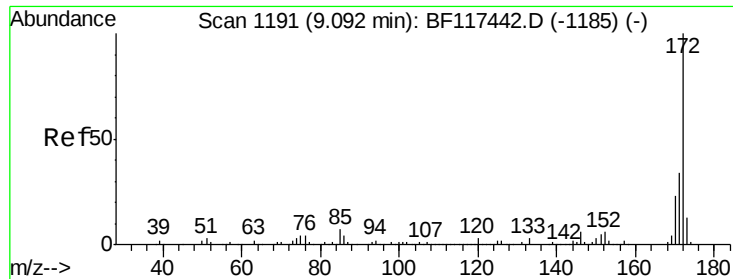
#42
2,4,6-Tribromophenol
Concen: 7.857 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BF117670.D
Acq: 31 Oct 2019 20:40

Tgt Ion:330 Resp: 5212
Ion Ratio Lower Upper
330 100
332 95.8 78.5 117.7
141 48.3 37.0 55.6



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

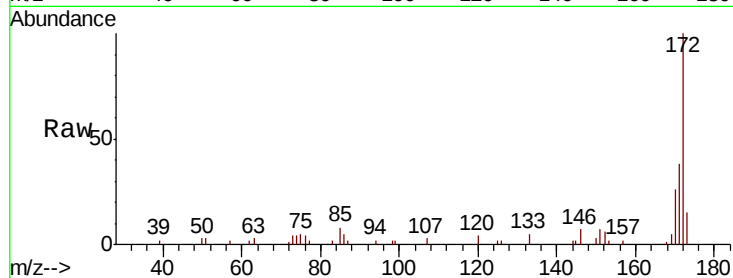




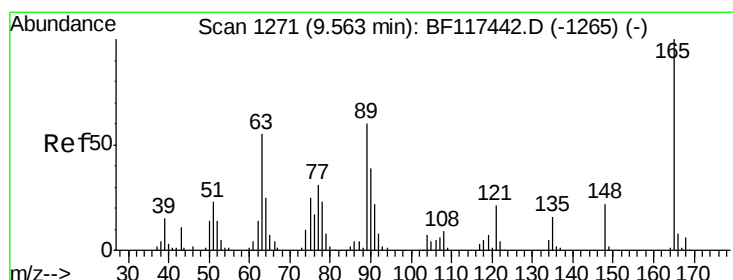
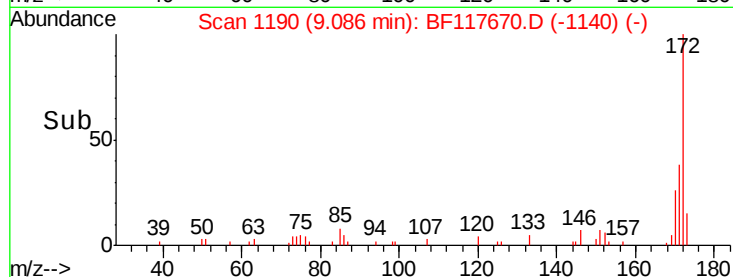
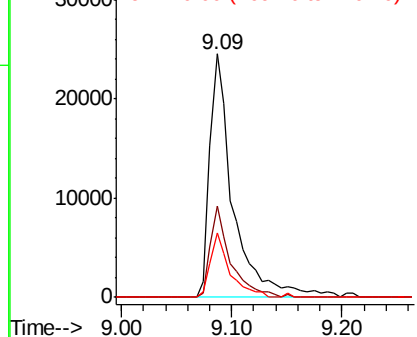
#45
 2-Fluorobiphenyl
 Concen: 6.488 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117670.D
 Acq: 31 Oct 2019 20:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 35302
 Ion Ratio Lower Upper
 172 100
 171 37.7 27.5 41.3
 170 26.2 18.6 27.8

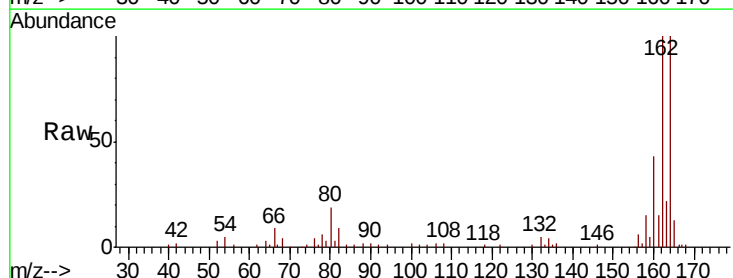


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

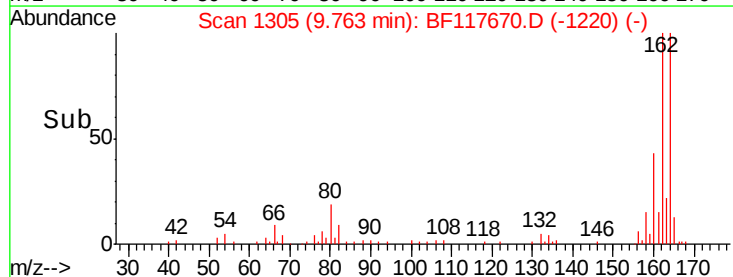
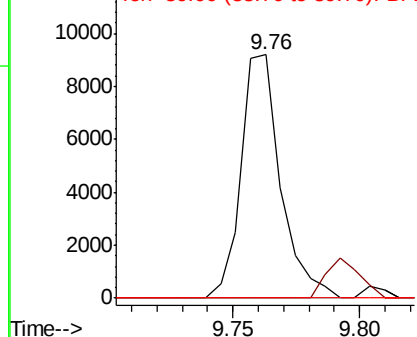


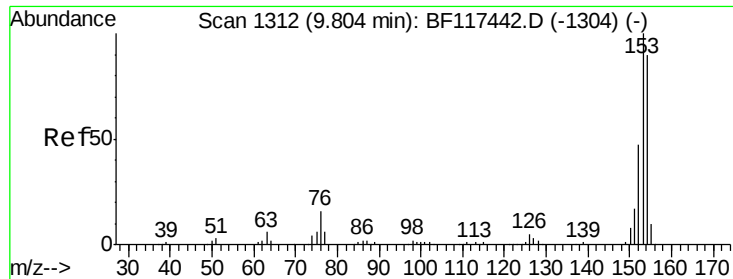
#51
 2,6-Dinitrotoluene
 Concen: 8.736 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF117670.D
 Acq: 31 Oct 2019 20:40

Tgt Ion:165 Resp: 9964
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.8 65.8#
 89 0.0 47.6 71.4#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 4.706 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF117670.D

Acq: 31 Oct 2019 20:40

Instrument :

BNA_F

ClientSampled :

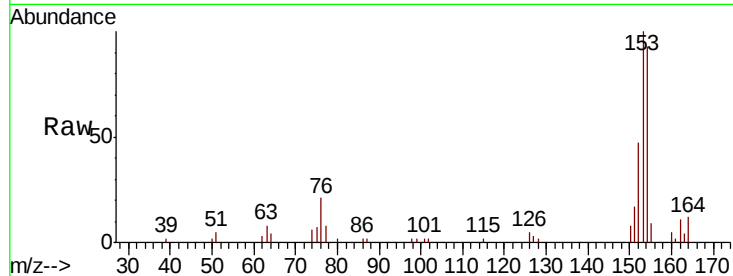
Tot Ion:154 Resp: 20296

Ion Ratio Lower Upper

154 100

153 107.2 89.2 133.8

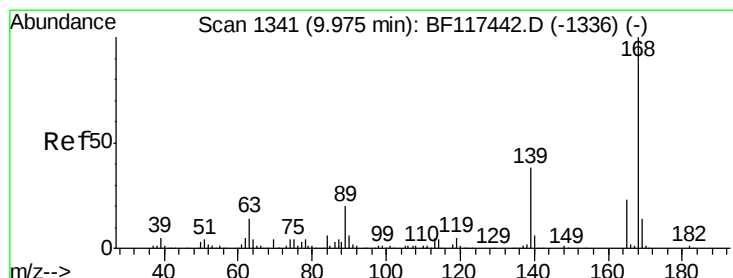
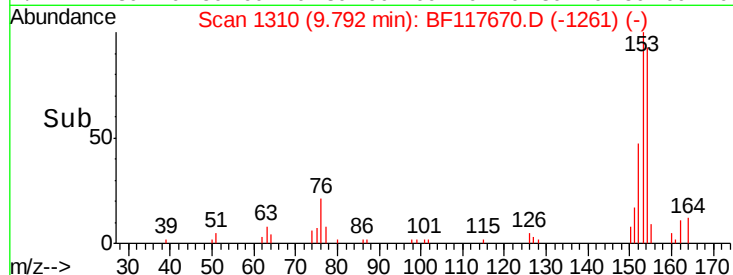
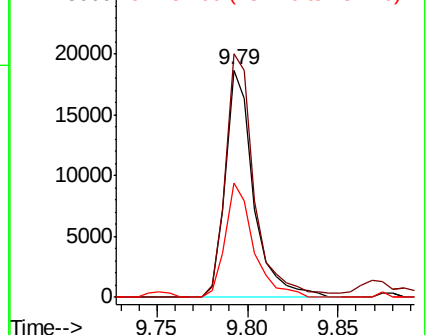
152 50.2 41.8 62.6



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: 4.471 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BF117670.D

Acq: 31 Oct 2019 20:40

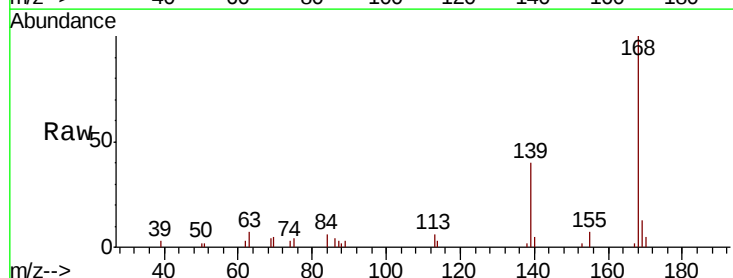
Tgt Ion:168 Resp: 27937

Ion Ratio Lower Upper

168 100

139 40.4 31.8 47.6

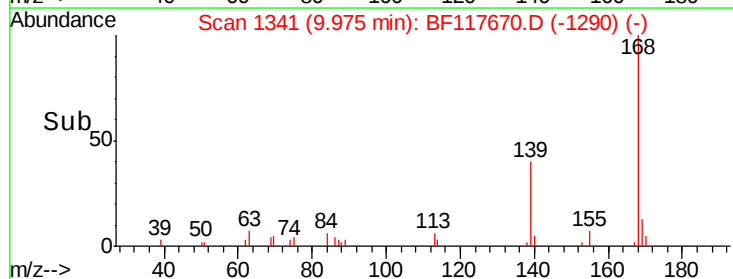
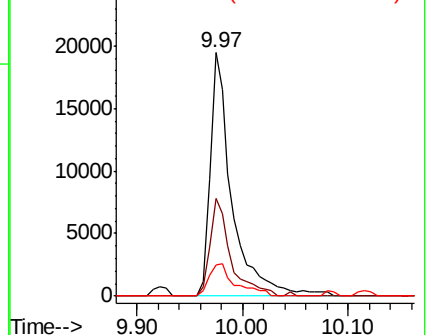
169 12.9 11.2 16.8

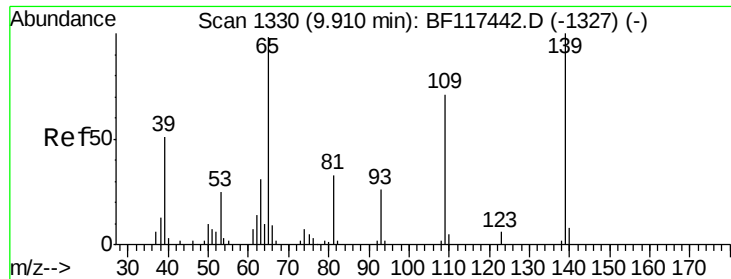


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

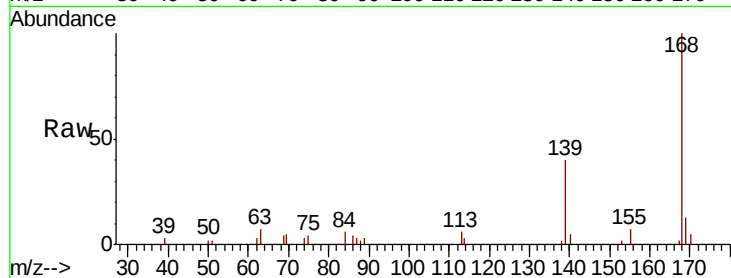




#56
4-Nitrophenol
Concen: 19.904 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF117670.D
Acq: 31 Oct 2019 20:40

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	51.4	91.4#
65	0.0	79.4	119.4#

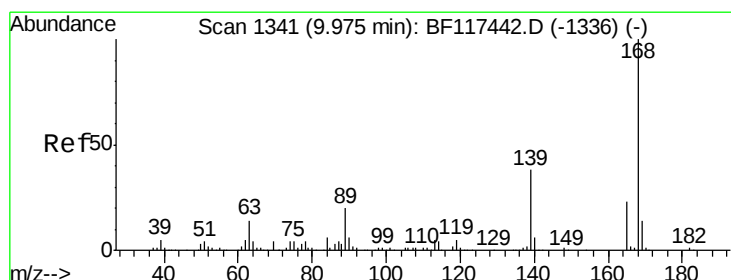
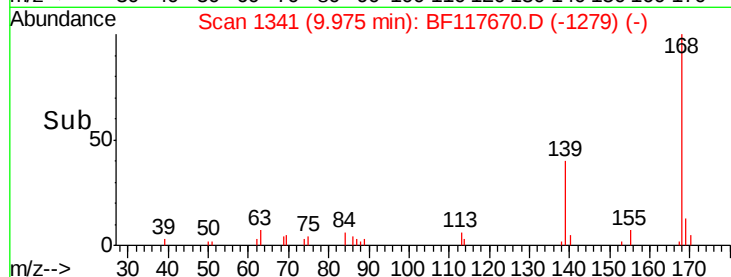
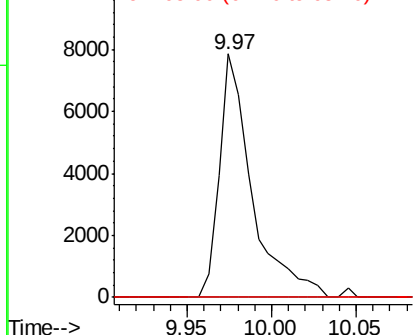


Abundance

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: 6.571 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117670.D
Acq: 31 Oct 2019 20:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.4	77.0#
89	0.0	69.9	104.9#
182	0.0	1.9	2.9#

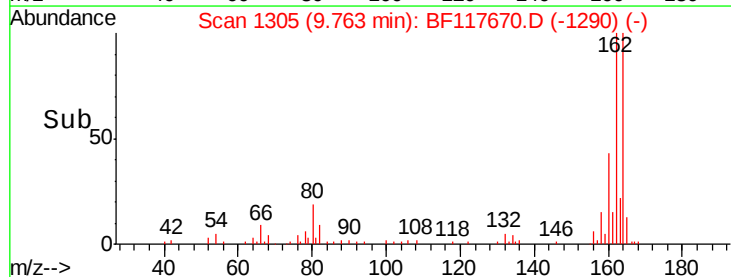
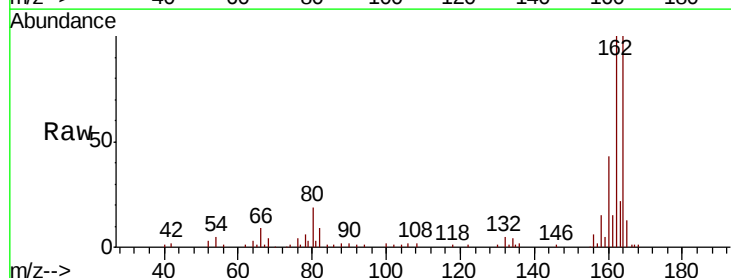
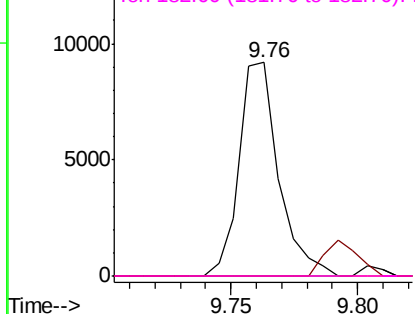
Abundance

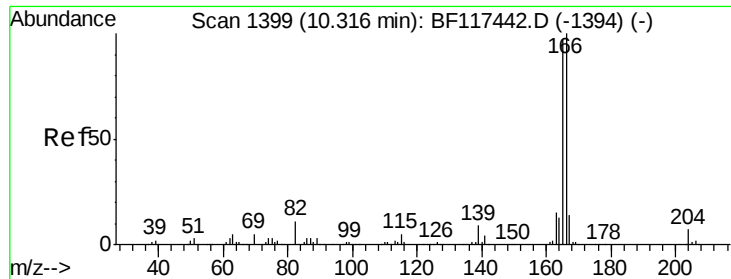
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 5.615 ng

RT: 10.32 min Scan# 1399

Delta R.T. -0.00 min

Lab File: BF117670.D

Acq: 31 Oct 2019 20:40

Instrument :

BNA_F

ClientSampleId :

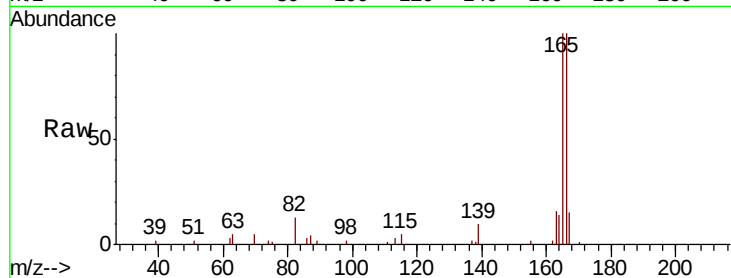
Tot Ion:166 Resp: 29015

Ion	Ratio	Lower	Upper
166	100		
165	100.5	77.6	116.4
167	15.3	11.0	16.4

166 100

165 100.5 77.6 116.4

167 15.3 11.0 16.4

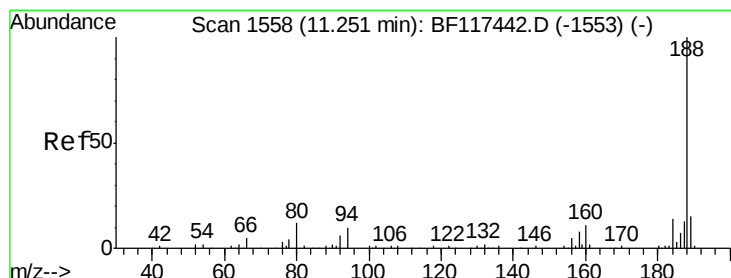
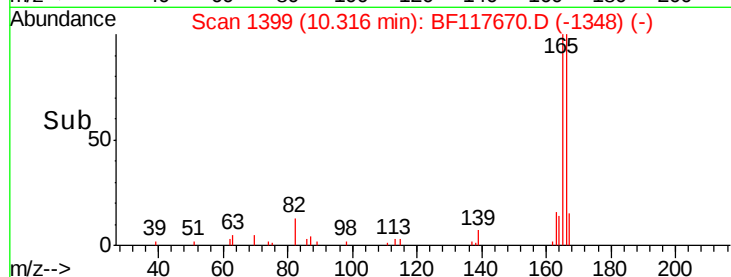
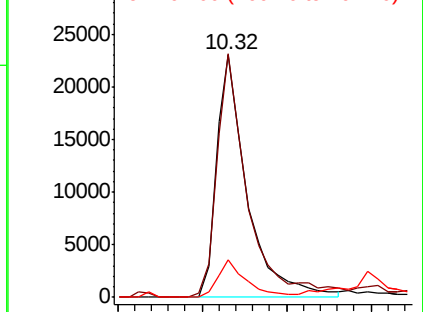


Abundance

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: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF117670.D

Acq: 31 Oct 2019 20:40

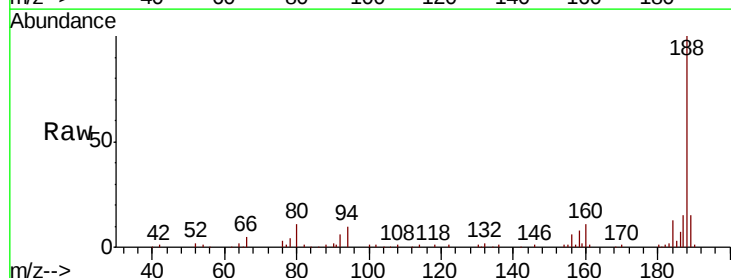
Tgt Ion:188 Resp: 105932

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.0	12.0
80	11.5	9.5	14.3

188 100

94 10.3 8.0 12.0

80 11.5 9.5 14.3

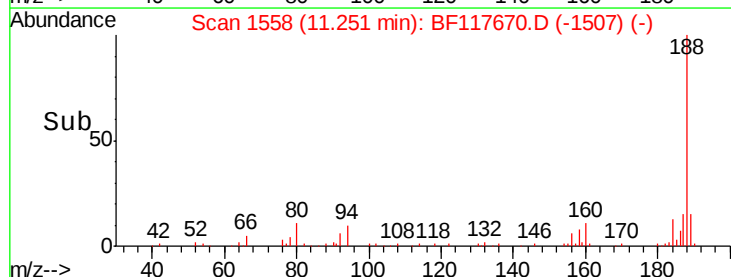
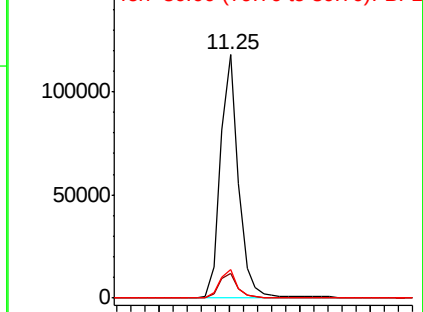


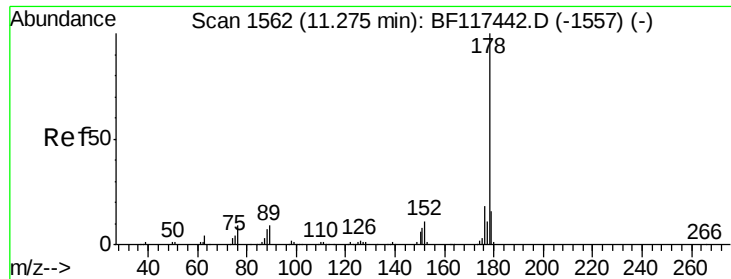
Abundance

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

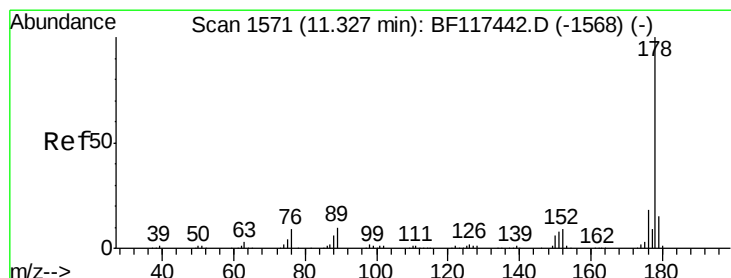
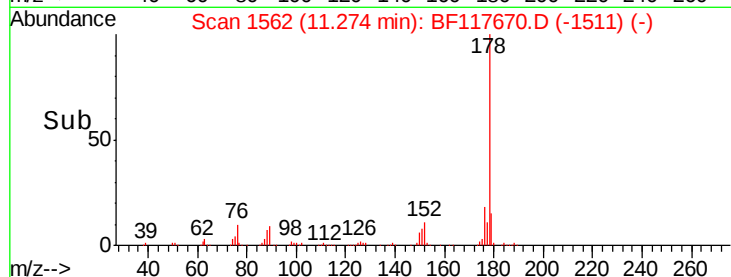
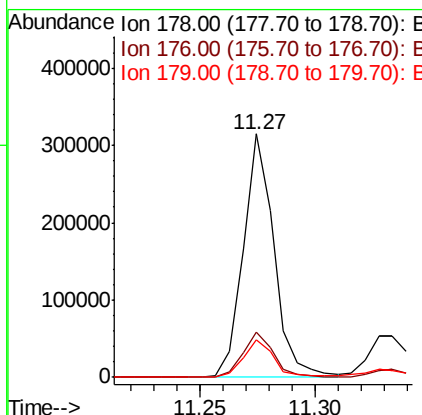
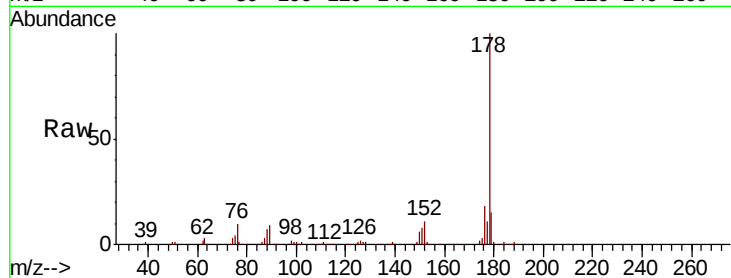




#71
Phenanthrene
Concen: 47.833 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117670.D
Acq: 31 Oct 2019 20:40

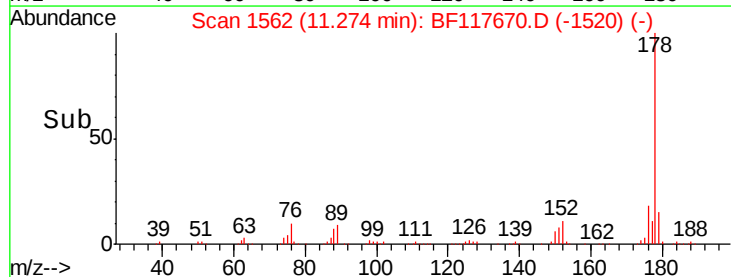
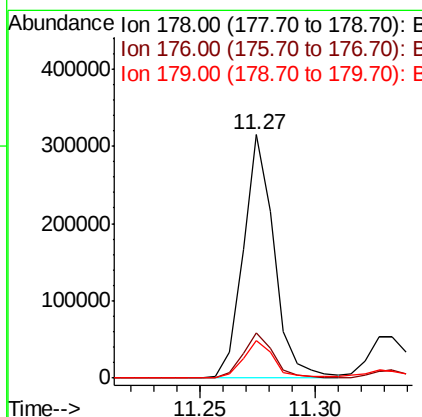
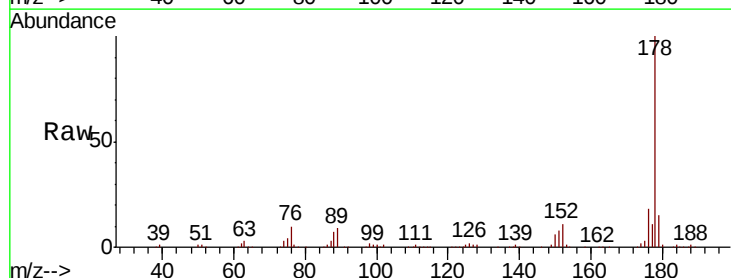
Instrument :
BNA_F
ClientSampleId :

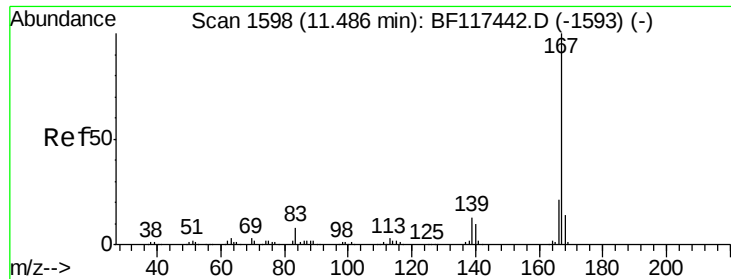
Tot Ion:178 Resp: 294223
Ion Ratio Lower Upper
178 100
176 18.5 14.6 22.0
179 15.2 12.6 19.0



#72
Anthracene
Concen: 46.618 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.05 min
Lab File: BF117670.D
Acq: 31 Oct 2019 20:40

Tgt Ion:178 Resp: 294223
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.2 12.2 18.2

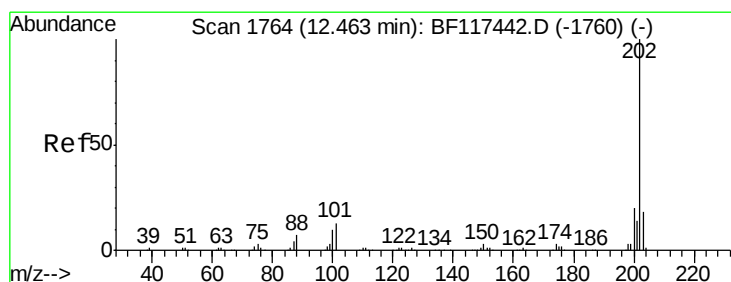
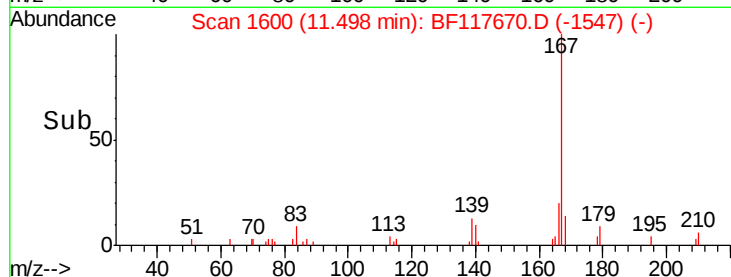
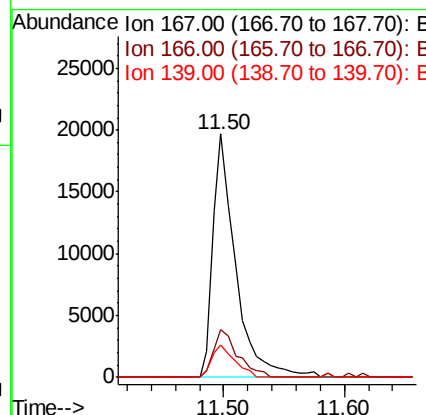
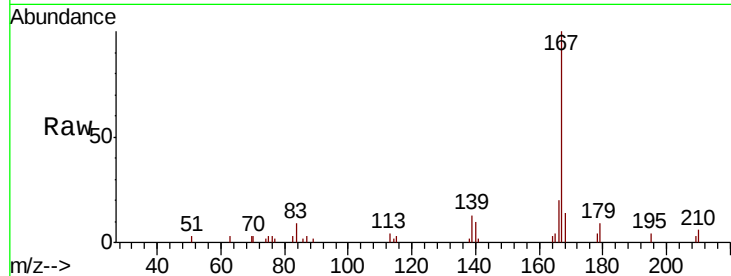




#73
 Carbazole
 Concen: 4.462 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: BF117670.D
 Acq: 31 Oct 2019 20:40

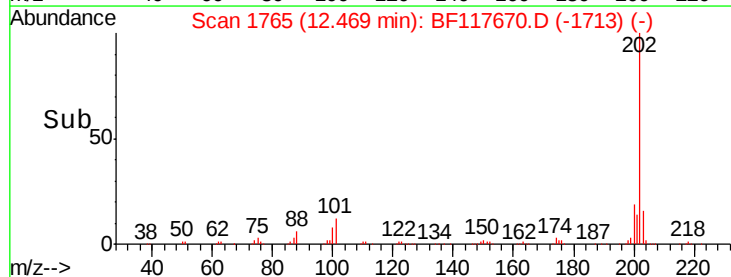
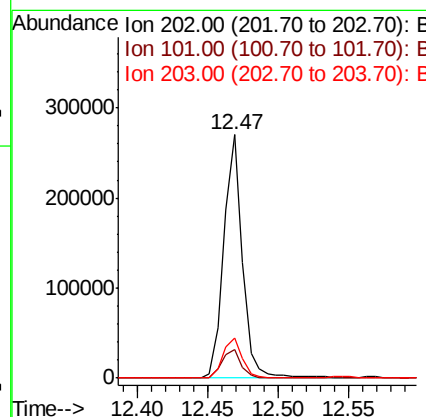
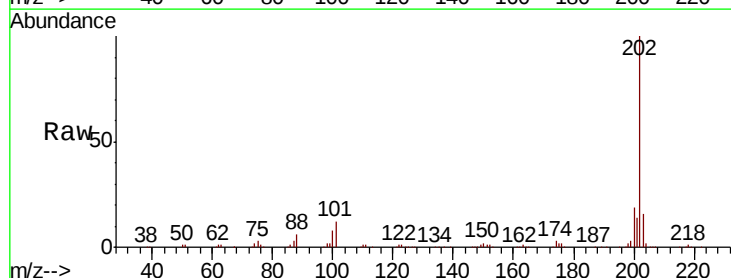
Instrument :
 BNA_F
 ClientSampled :

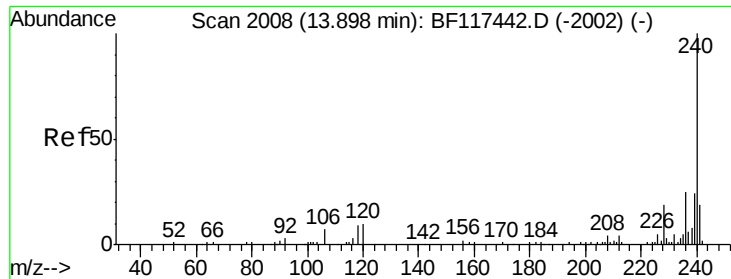
Tot Ion:167 Resp: 25735
 Ion Ratio Lower Upper
 167 100
 166 19.5 17.0 25.6
 139 13.1 10.6 16.0



#75
 Fluoranthene
 Concen: 40.364 ng
 RT: 12.47 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: BF117670.D
 Acq: 31 Oct 2019 20:40

Tgt Ion:202 Resp: 248552
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 32.7
 203 16.5 0.0 37.6

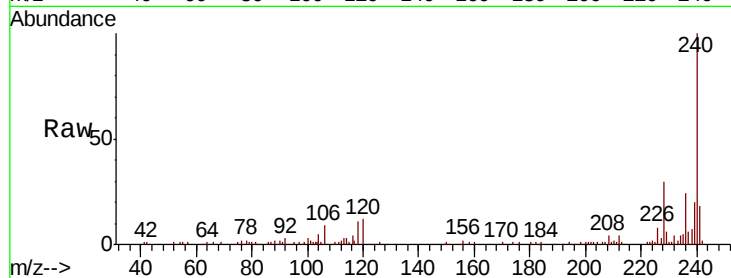




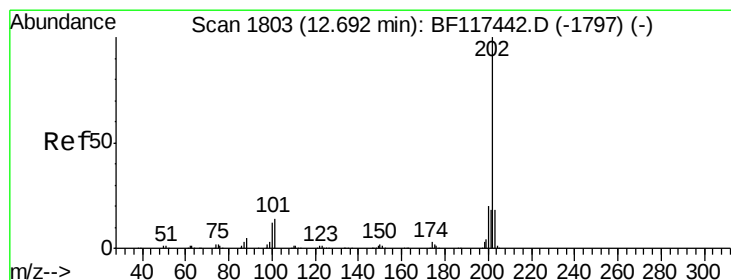
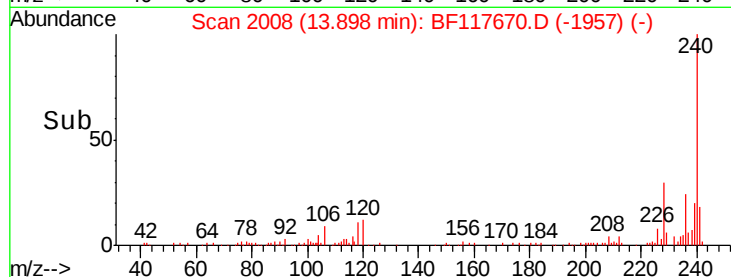
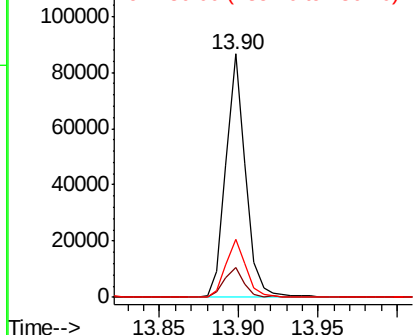
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: BF117670.D
 Acq: 31 Oct 2019 20:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 74651
 Ion Ratio Lower Upper
 240 100
 120 12.1 8.4 12.6
 236 23.9 20.0 30.0

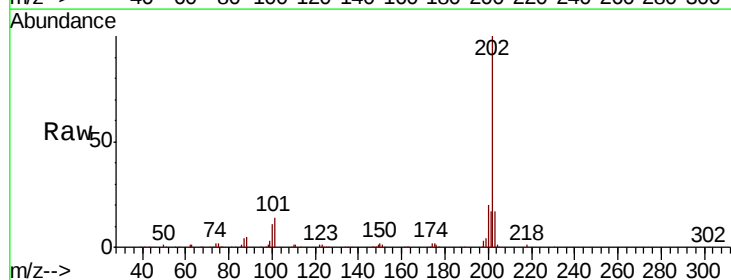


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

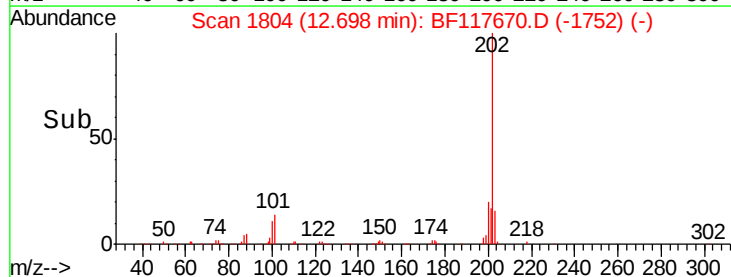
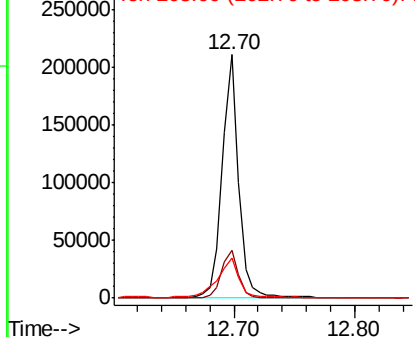


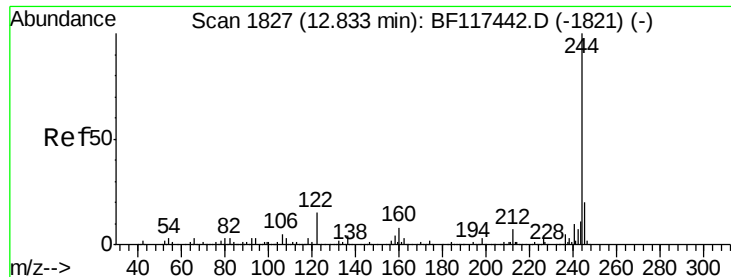
#78
 Pyrene
 Concen: 30.626 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: BF117670.D
 Acq: 31 Oct 2019 20:40

Tgt Ion:202 Resp: 196375
 Ion Ratio Lower Upper
 202 100
 200 19.8 16.2 24.2
 203 16.5 14.0 21.0



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

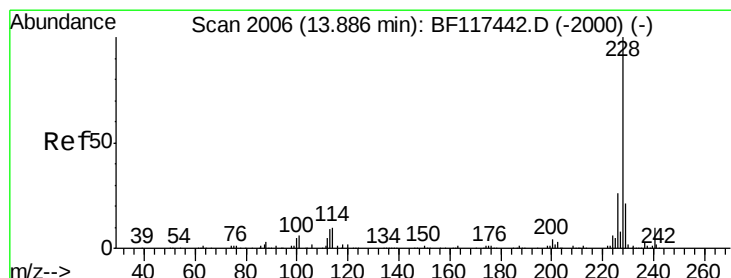
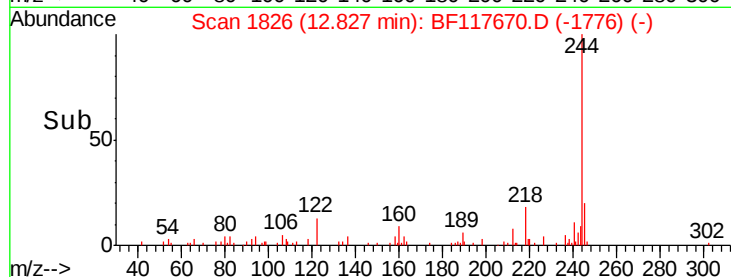
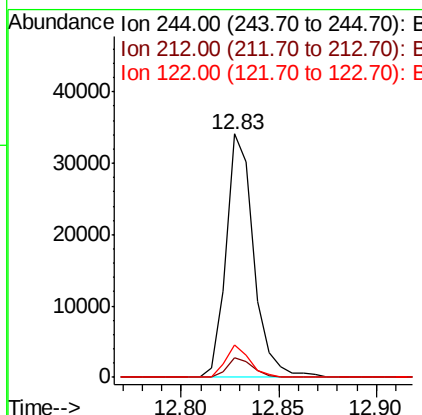
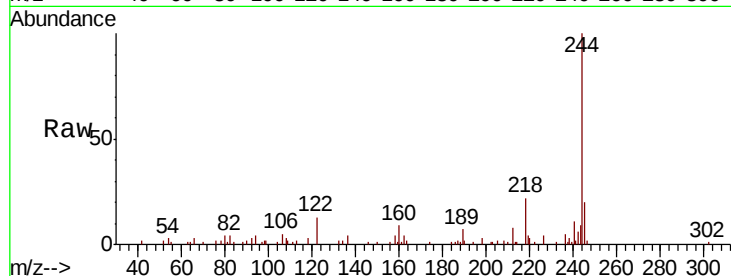




#79
 Terphenyl-d14
 Concen: 7.305 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117670.D
 Acq: 31 Oct 2019 20:40

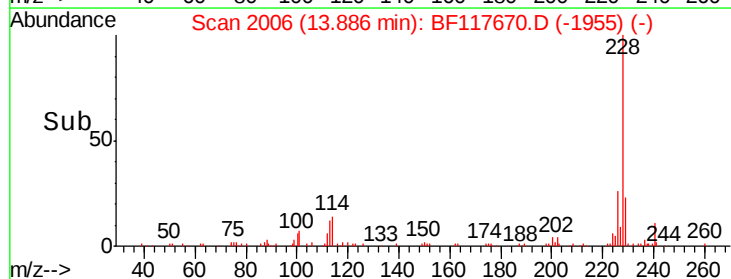
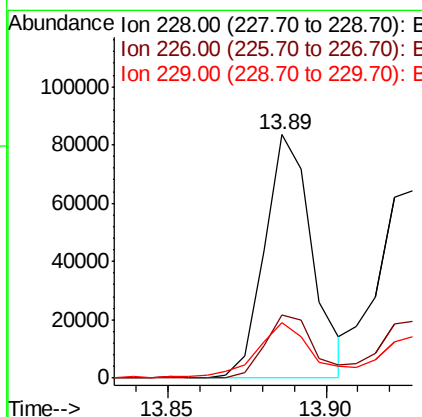
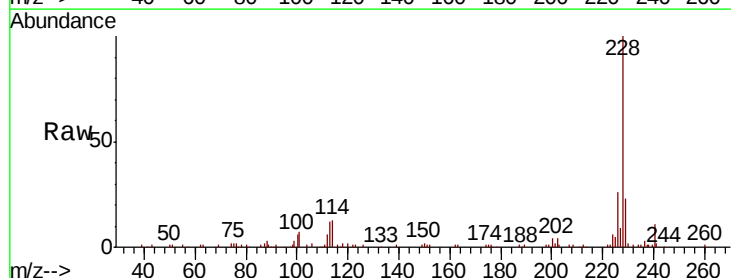
Instrument :
 BNA_F
 ClientSampleId :

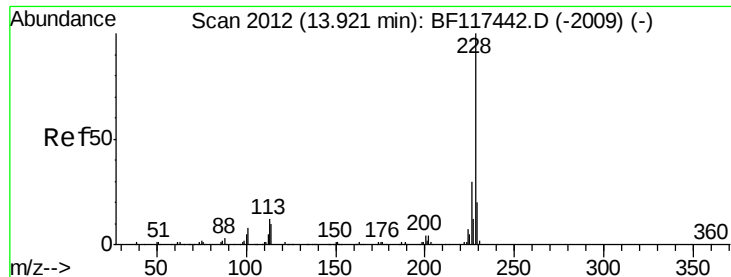
Tot Ion:244 Resp: 33434
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.8 8.6
 122 13.5 11.8 17.8



#81
 Benzo(a)anthracene
 Concen: 17.376 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: BF117670.D
 Acq: 31 Oct 2019 20:40

Tgt Ion:228 Resp: 87498
 Ion Ratio Lower Upper
 228 100
 226 26.2 21.0 31.4
 229 23.0 16.4 24.6

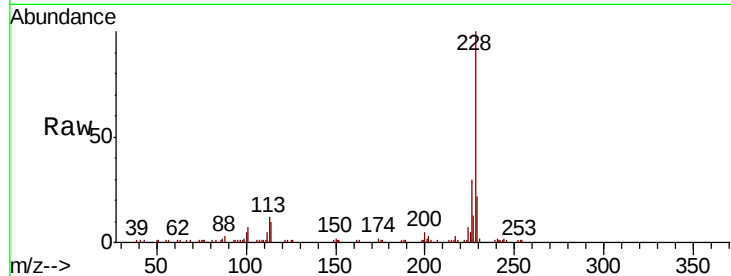




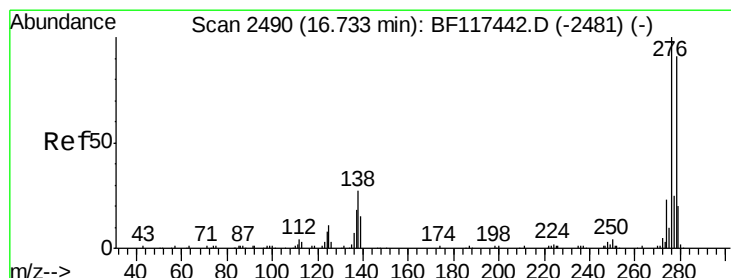
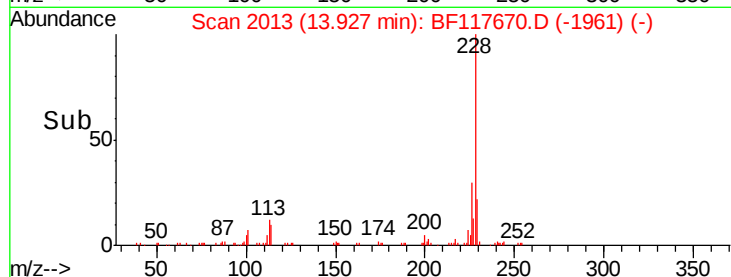
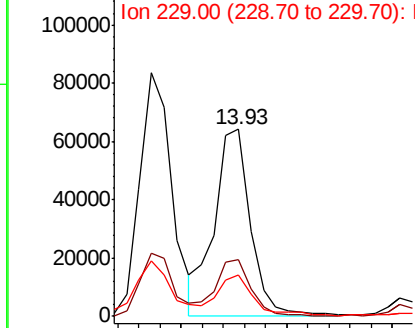
#83
Chrysene
Concen: 15.663 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF117670.D
Acq: 31 Oct 2019 20:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 77300
Ion Ratio Lower Upper
228 100
226 30.3 23.9 35.9
229 21.8 15.8 23.6

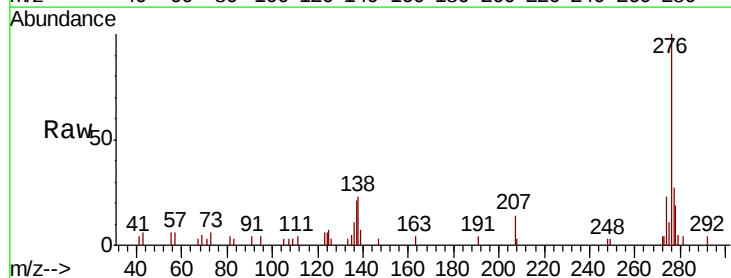


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

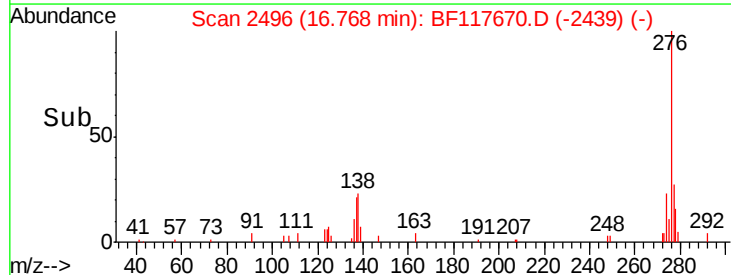
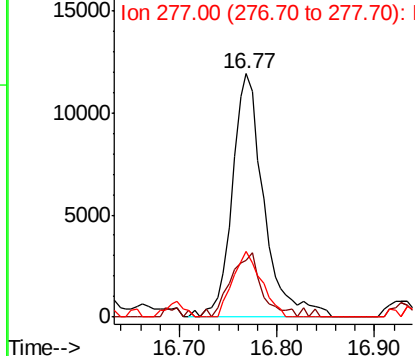


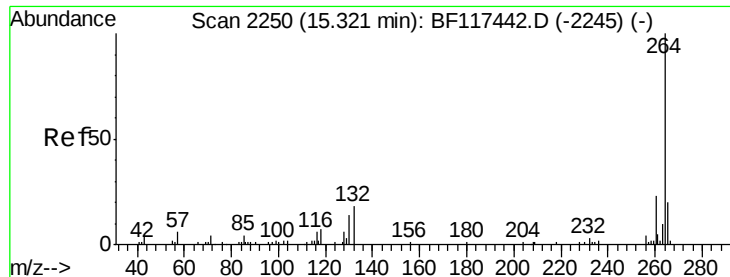
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.265 ng
RT: 16.77 min Scan# 2496
Delta R.T. 0.04 min
Lab File: BF117670.D
Acq: 31 Oct 2019 20:40

Tgt Ion:276 Resp: 26767
Ion Ratio Lower Upper
276 100
138 26.2 21.8 32.8
277 24.4 20.0 30.0



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



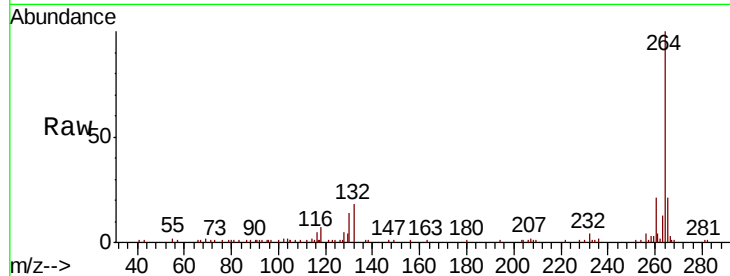


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.02 min
Lab File: BF117670.D
Acq: 31 Oct 2019 20:40

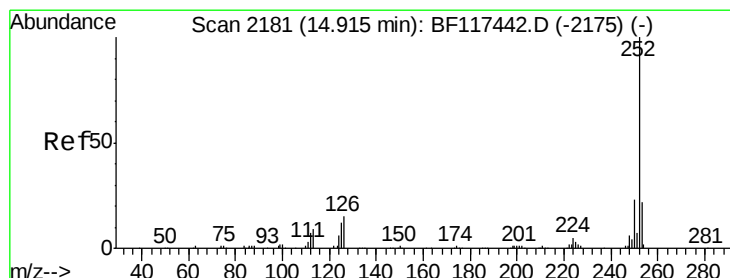
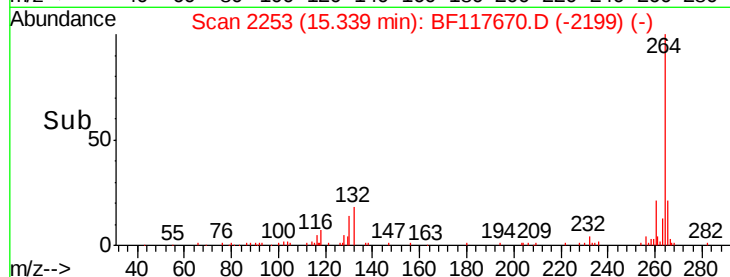
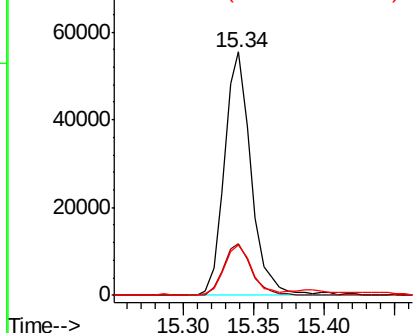
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 72938

Ion	Ratio	Lower	Upper
264	100		
260	21.4	18.4	27.6
265	20.9	16.1	24.1



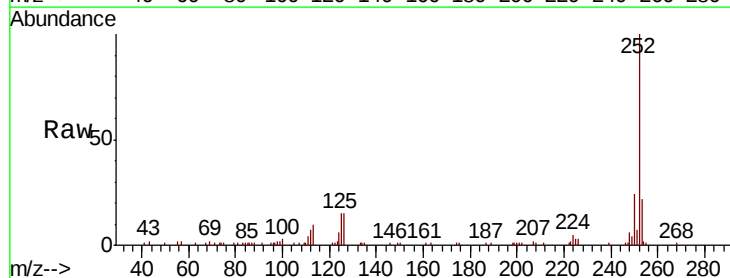
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



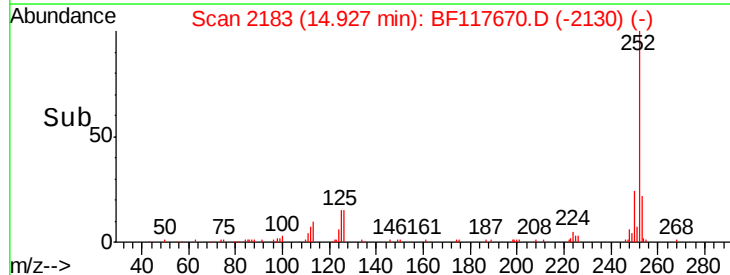
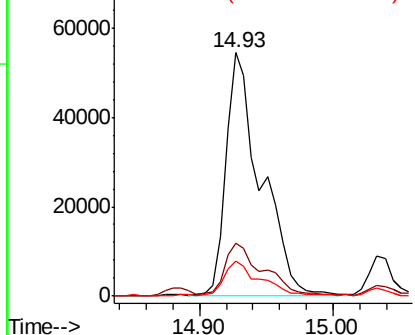
#88
Benzo(b)fluoranthene
Concen: 23.174 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117670.D
Acq: 31 Oct 2019 20:40

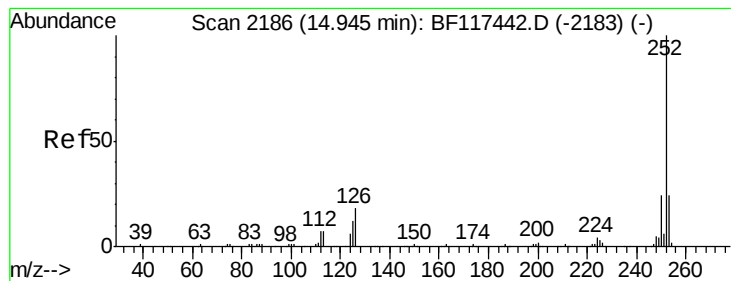
Tgt Ion:252 Resp: 99813

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	14.6	9.9	14.9



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: 22.610 ng

RT: 14.93 min Scan# 2183

Delta R.T. -0.02 min

Lab File: BF117670.D

Acq: 31 Oct 2019 20:40

Instrument :

BNA_F

ClientSampleId :

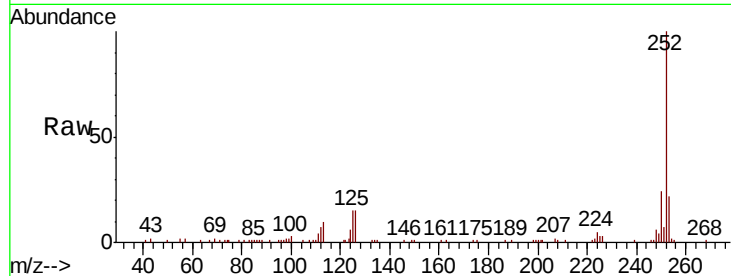
Tot Ion:252 Resp: 99813

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

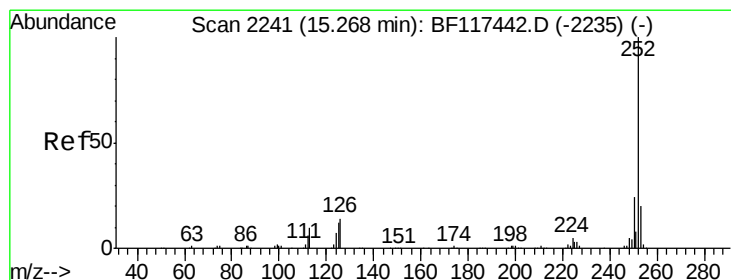
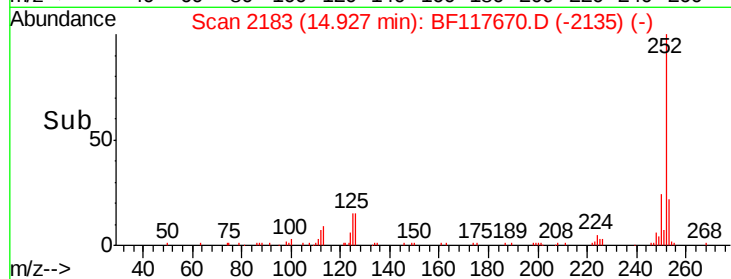
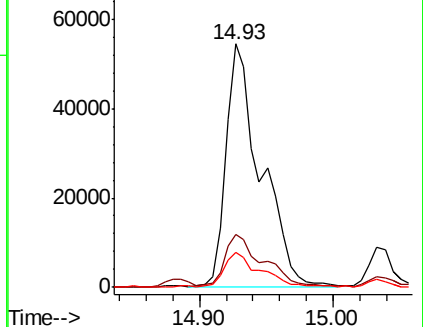
125 14.6 8.9 13.3#



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: 13.041 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF117670.D

Acq: 31 Oct 2019 20:40

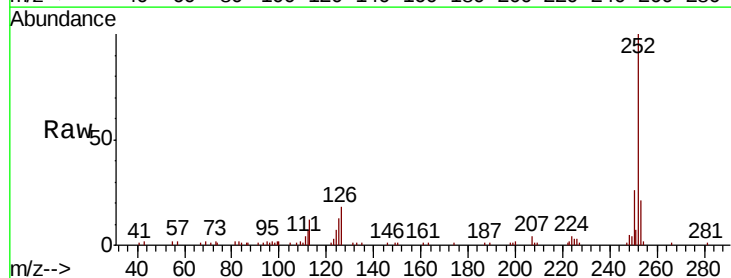
Tgt Ion:252 Resp: 51069

Ion Ratio Lower Upper

252 100

253 21.4 16.3 24.5

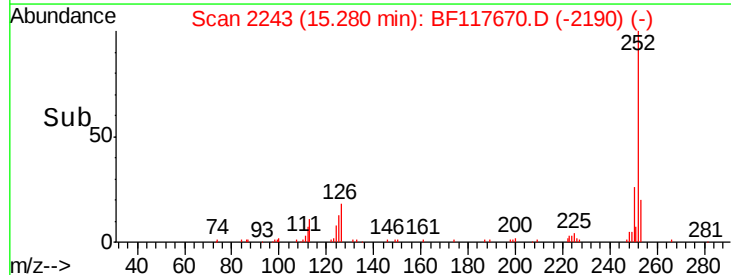
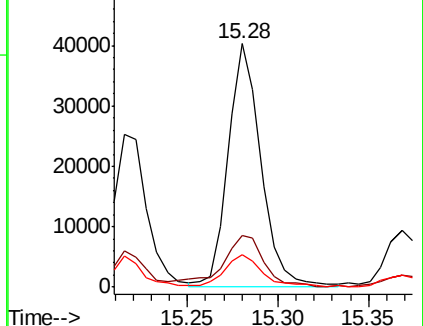
125 13.4 9.2 13.8

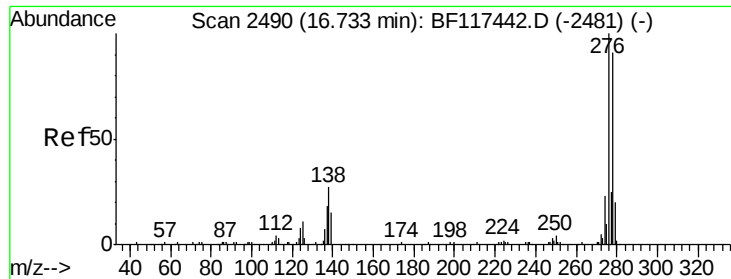


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 2.233 ng

RT: 16.76 min Scan# 2495

Delta R.T. 0.03 min

Lab File: BF117670.D

Acq: 31 Oct 2019 20:40

Instrument :

BNA_F

ClientSampleId :

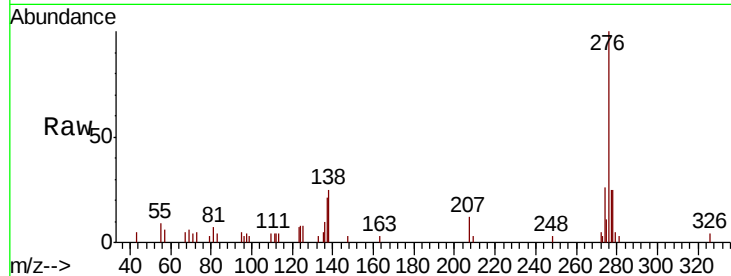
Tot Ion:278 Resp: 7560

Ion Ratio Lower Upper

278 100

139 0.0 13.4 20.0#

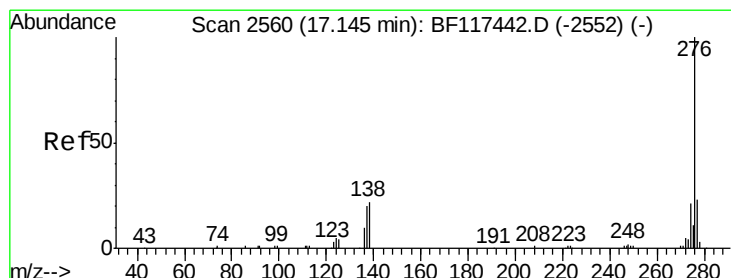
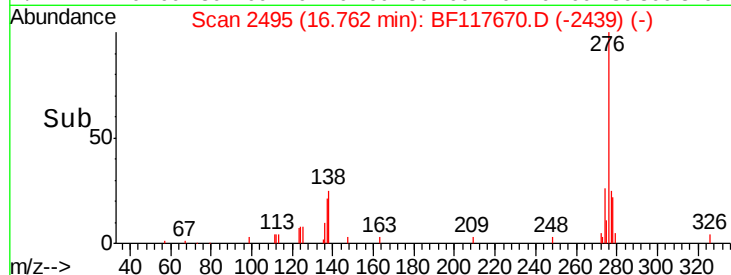
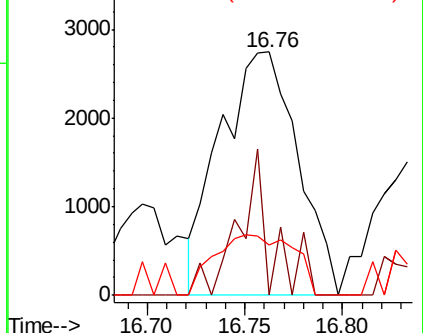
279 20.8 17.8 26.6



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(g,h,i)perylene

Concen: 7.028 ng

RT: 17.20 min Scan# 2570

Delta R.T. 0.06 min

Lab File: BF117670.D

Acq: 31 Oct 2019 20:40

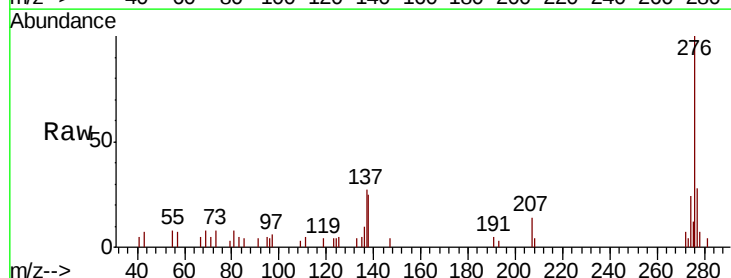
Tgt Ion:276 Resp: 22515

Ion Ratio Lower Upper

276 100

277 28.2 18.4 27.6#

138 24.7 17.8 26.6



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

