

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117649.D
 Acq On : 31 Oct 2019 6:41
 Operator : JU
 Sample : K5148-13DL 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 07:59:45 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	30360	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	126576	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	57960	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	87411	20.00	ng	0.00
76) Chrysene-d12	13.90	240	71592	20.00	ng	0.00
87) Perylene-d12	15.33	264	54672	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	28094	13.77	ng	0.02
7) Phenol-d6	6.40	99	44152	16.11	ng	0.02
23) Nitrobenzene-d5	7.32	82	25095	9.79	ng	0.01
42) 2,4,6-Tribromophenol	10.57	330	6320	12.60	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	44446	10.80	ng	0.00
79) Terphenyl-d14	12.83	244	40943	9.33	ng	0.00

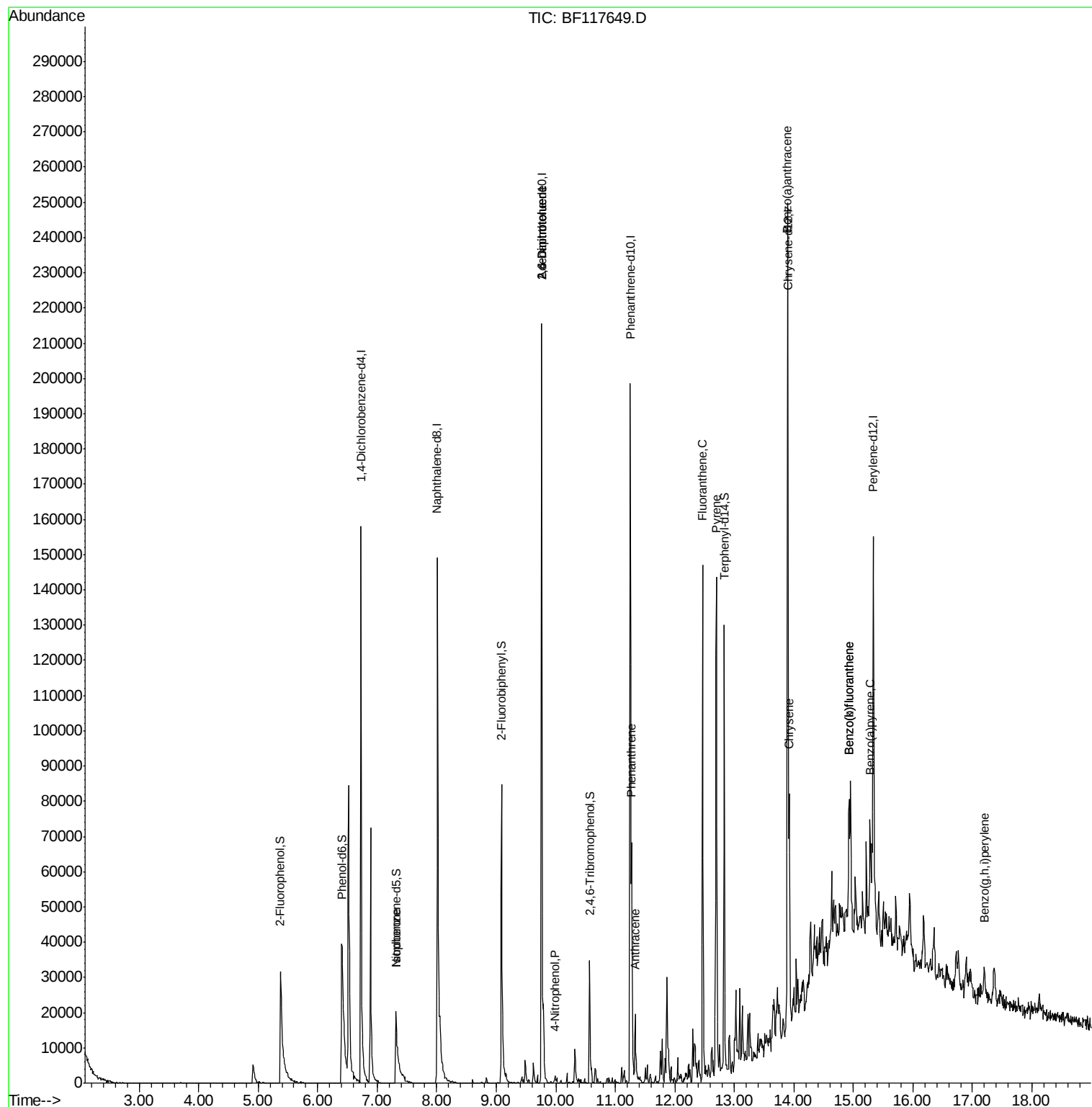
Target Compounds				Qvalue		
9) Benzaldehyde	6.51	77	832	Below Cal	#	3
25) Isophorone	7.32	82	25095	5.658	ng	65
51) 2,6-Dinitrotoluene	9.76	165	7109	8.245	ng	22
56) 4-Nitrophenol	9.99	139	676	5.461	ng	6
57) 2,4-Dinitrotoluene	9.76	165	7109	6.201	ng	12
71) Phenanthrene	11.27	178	29139	5.741	ng	98
72) Anthracene	11.33	178	11667	2.240	ng	96
75) Fluoranthene	12.47	202	69068	13.593	ng	97
77) Benzidine	12.83	184	570	Below Cal	#	67
78) Pyrene	12.70	202	64734	10.527	ng	96
81) Benzo(a)anthracene	13.89	228	25486	5.278	ng	95
83) Chrysene	13.92	228	23061	4.873	ng	98
88) Benzo(b)fluoranthene	14.93	252	26306	8.148	ng	92
89) Benzo(k)fluoranthene	14.93	252	26306	7.950	ng	91
90) Benzo(a)pyrene	15.28	252	14212	4.842	ng	91
92) Benzo(g,h,i)perylene	17.20	276	5811	2.420	ng	88

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

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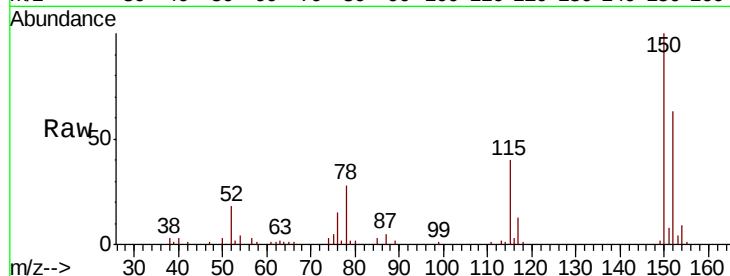


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	126.8	190.2
115	63.3	51.6	77.4

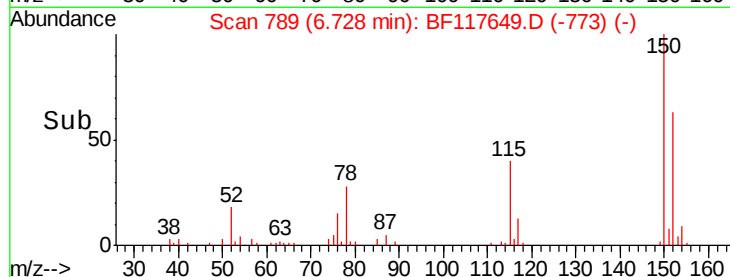
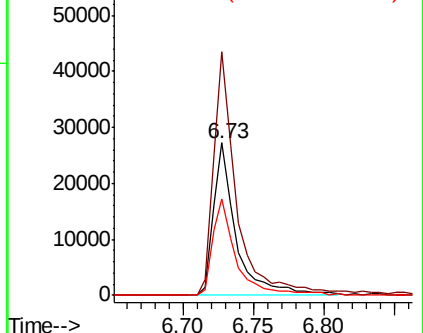


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

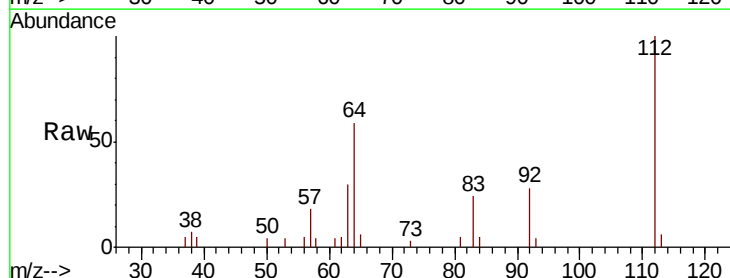
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 13.767 ng
RT: 5.37 min Scan# 559
Delta R.T. 0.02 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	44.1	66.1
63	30.0	23.4	35.2

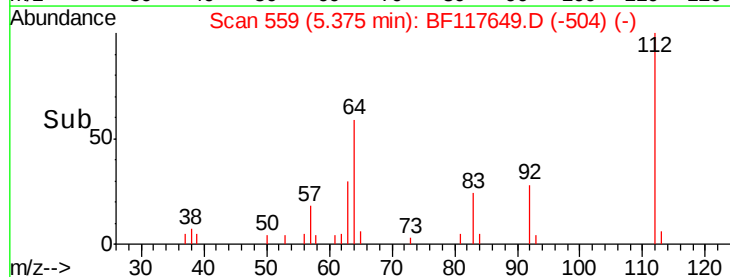
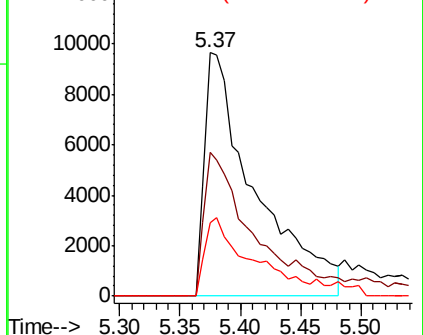


Abundance

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: 16.108 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.02 min

Lab File: BF117649.D

Acq: 31 Oct 2019 6:41

Instrument :

BNA_F

ClientSampleId :

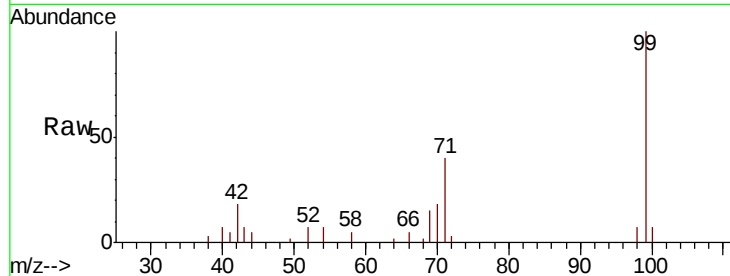
Tot Ion: 99 Resp: 44152

Ion Ratio Lower Upper

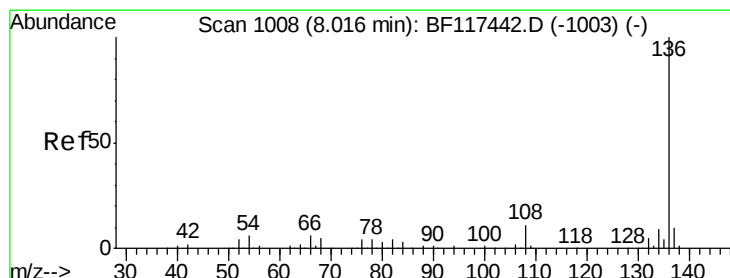
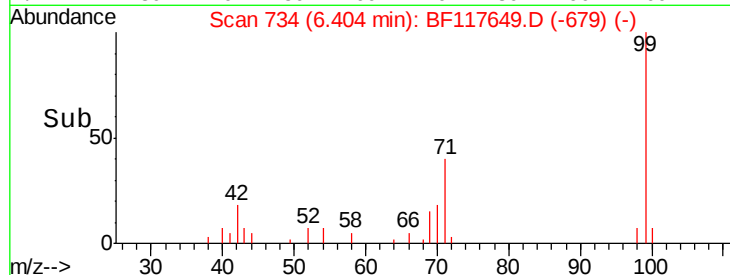
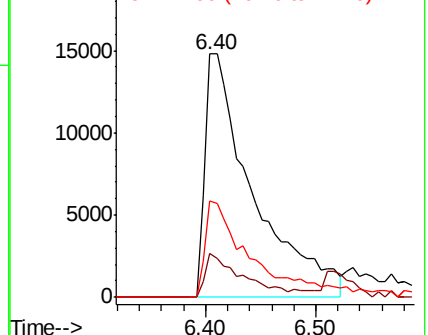
99 100

42 18.1 12.8 19.2

71 39.5 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: BF117649.D

Acq: 31 Oct 2019 6:41

Tgt Ion: 136 Resp: 126576

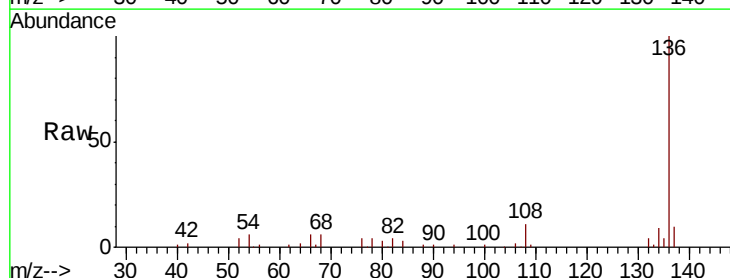
Ion Ratio Lower Upper

136 100

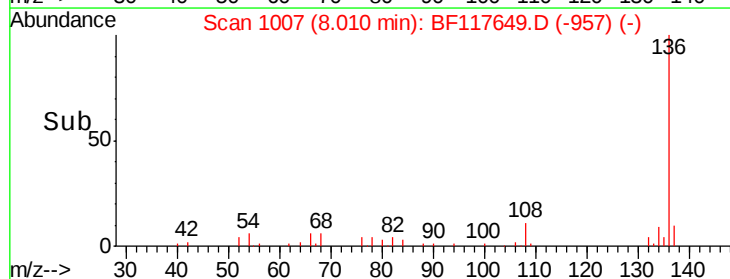
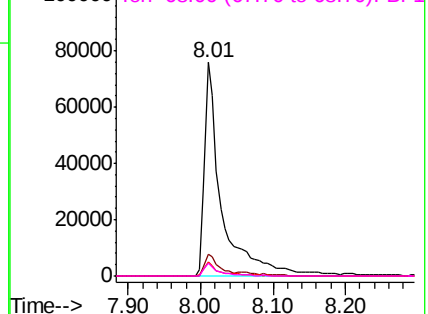
137 10.3 8.2 12.4

54 6.5 4.5 6.7

68 5.9 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

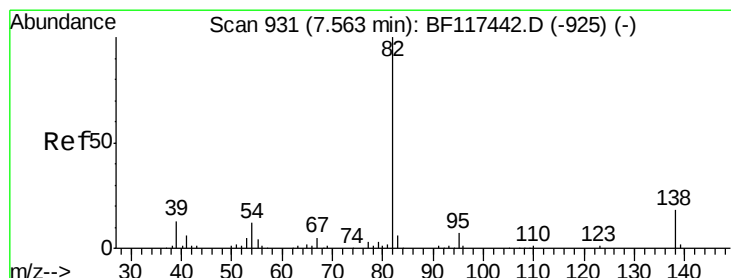
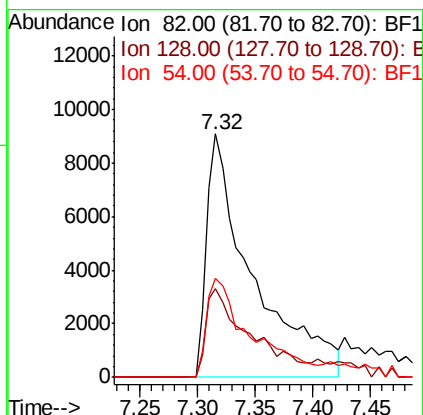
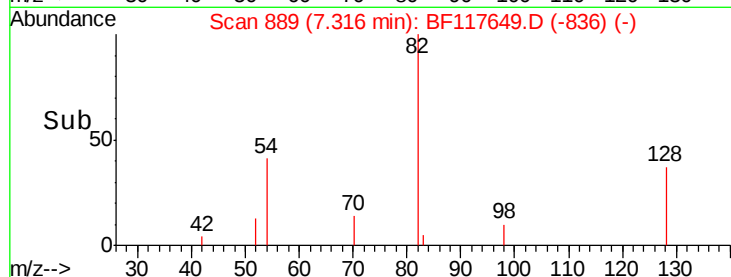
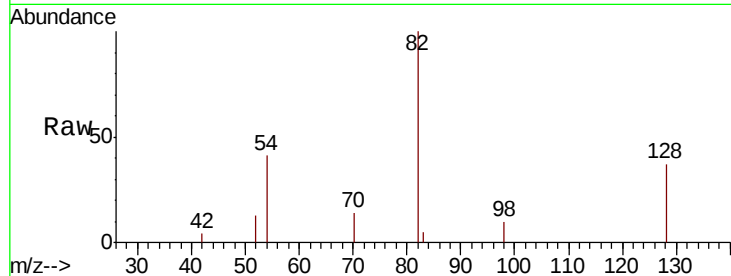




#23
Nitrobenzene-d5
Concen: 9.788 ng
RT: 7.32 min Scan# 889
Delta R.T. 0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

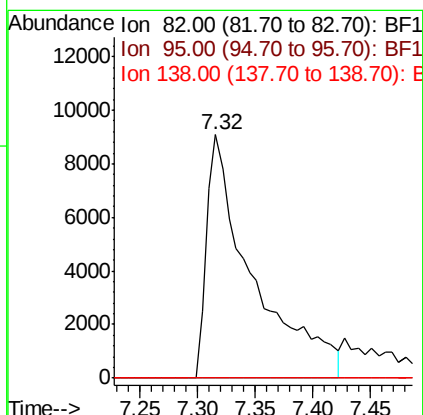
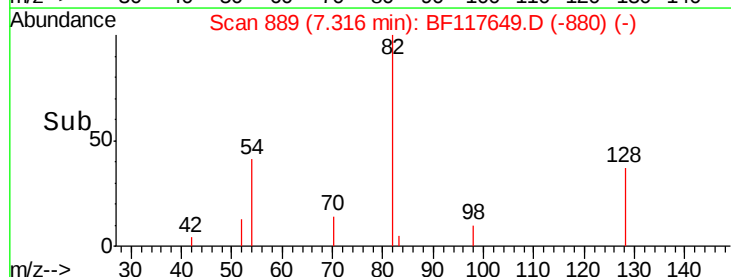
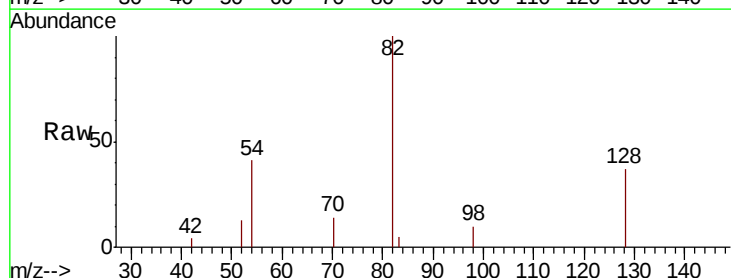
Instrument :
BNA_F
ClientSampleId :

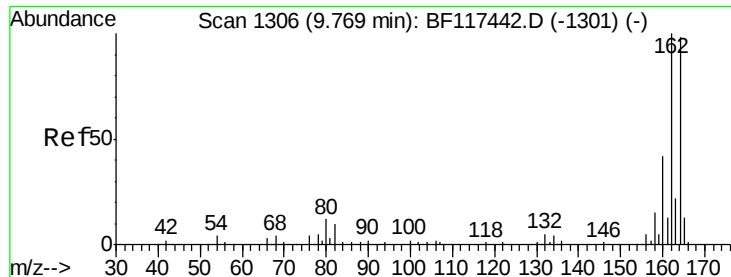
Tot Ion: 82 Resp: 25095
Ion Ratio Lower Upper
82 100
128 36.6 32.2 48.2
54 40.8 34.2 51.2



#25
Isophorone
Concen: 5.658 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.25 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion: 82 Resp: 25095
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.2 21.2#

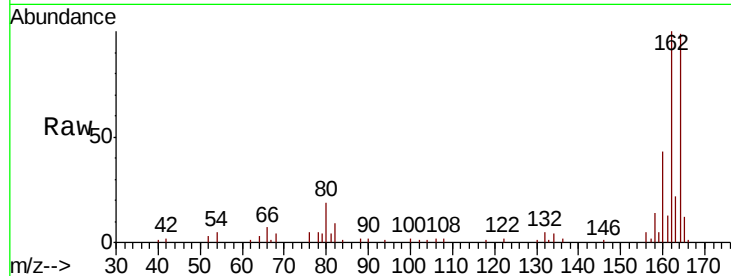




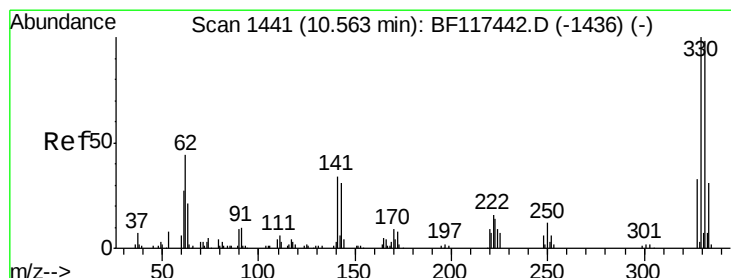
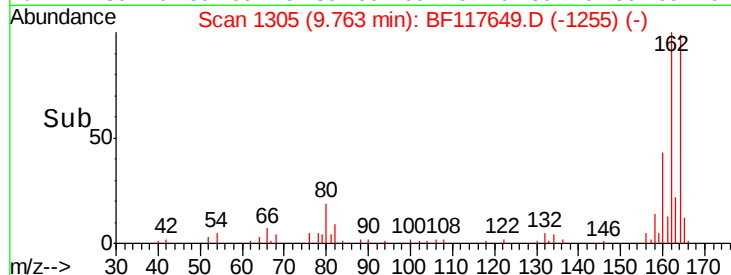
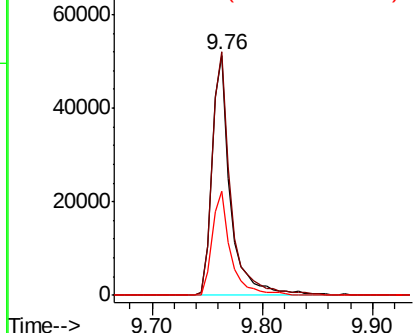
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 57960
Ion Ratio Lower Upper
164 100
162 101.3 81.8 122.6
160 43.3 34.4 51.6

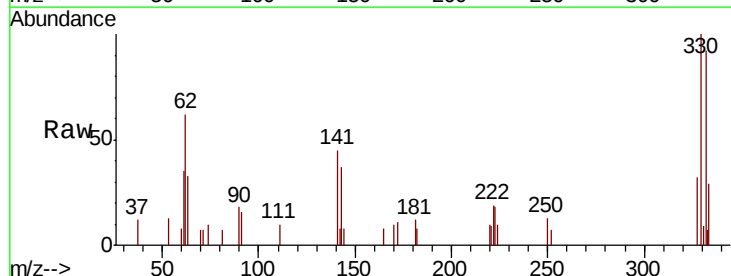


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

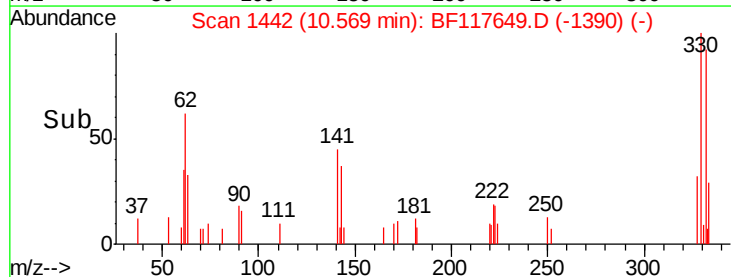
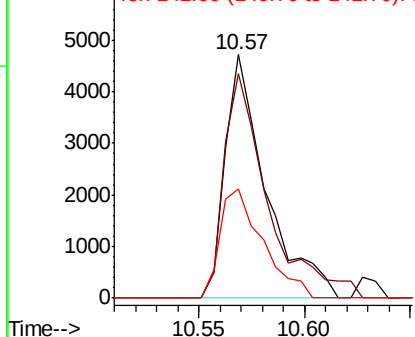


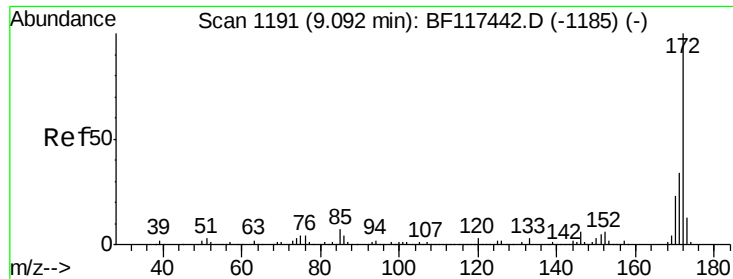
#42
2,4,6-Tribromophenol
Concen: 12.602 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:330 Resp: 6320
Ion Ratio Lower Upper
330 100
332 98.4 78.5 117.7
141 47.2 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

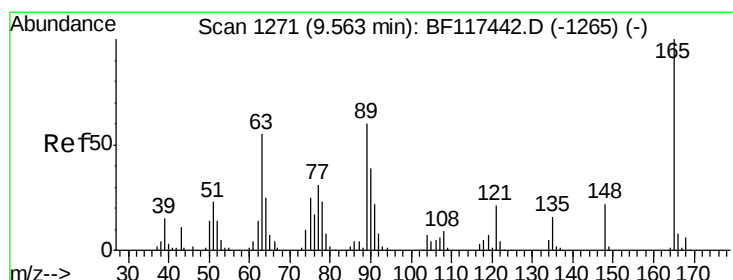
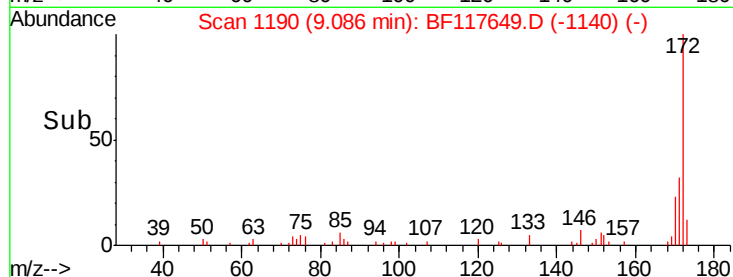
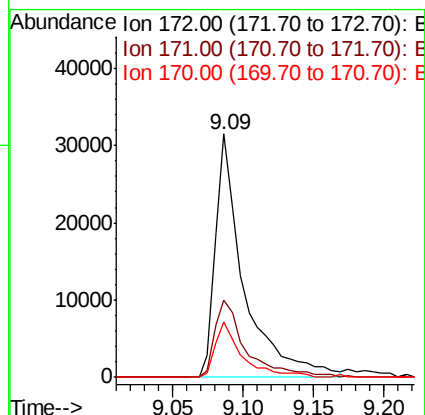
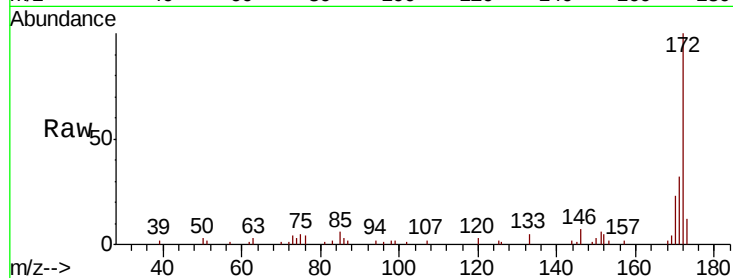




#45
2-Fluorobiphenyl
Concen: 10.805 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

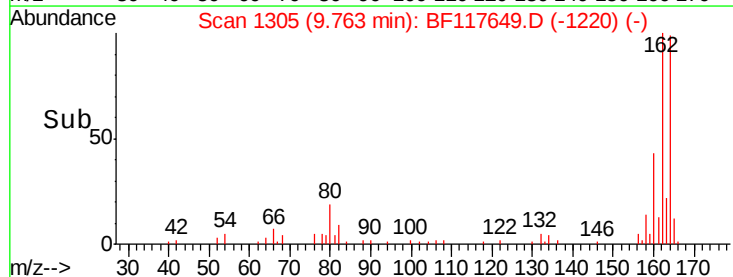
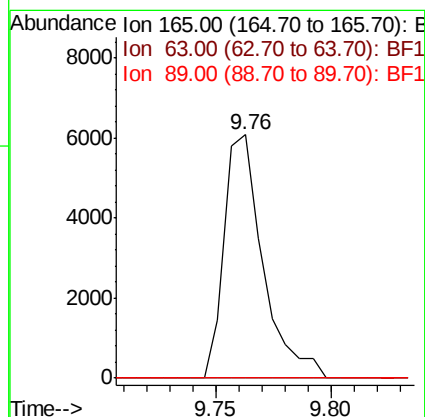
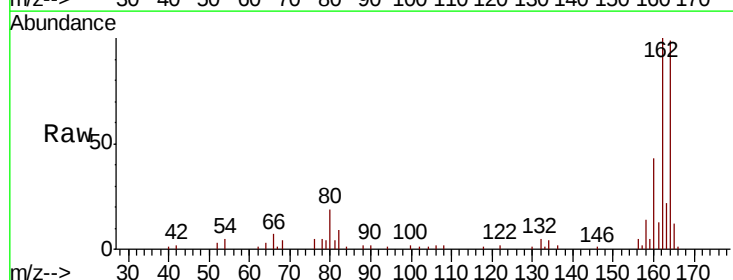
Instrument :
BNA_F
ClientSampleId :

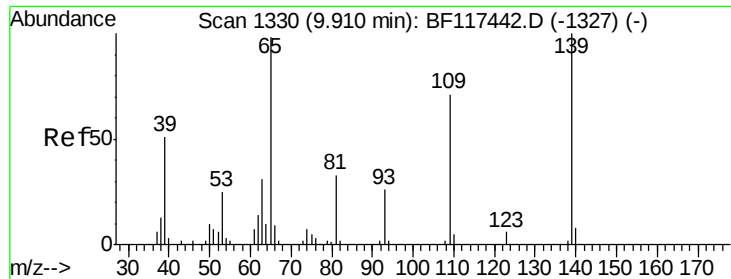
Tot Ion:172 Resp: 44446
Ion Ratio Lower Upper
172 100
171 31.9 27.5 41.3
170 22.6 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.245 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.20 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:165 Resp: 7109
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 47.6 71.4#

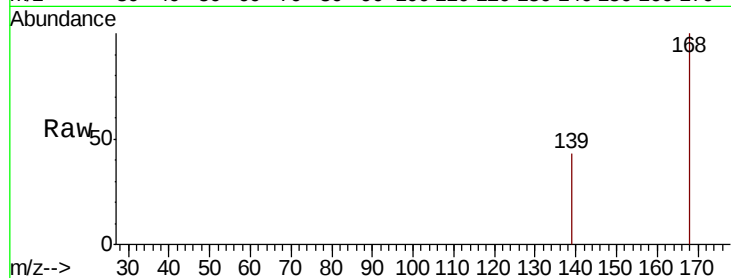




#56
4-Nitrophenol
Concen: 5.461 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.08 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Instrument :
BNA_F
ClientSampleId :

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

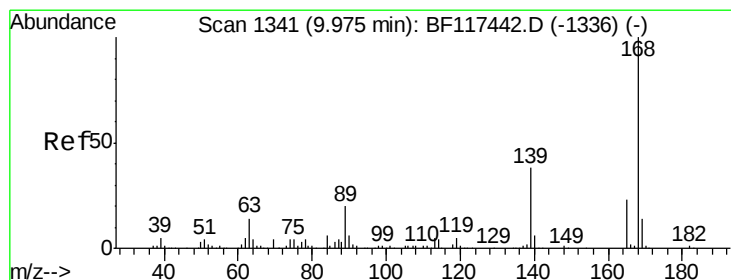
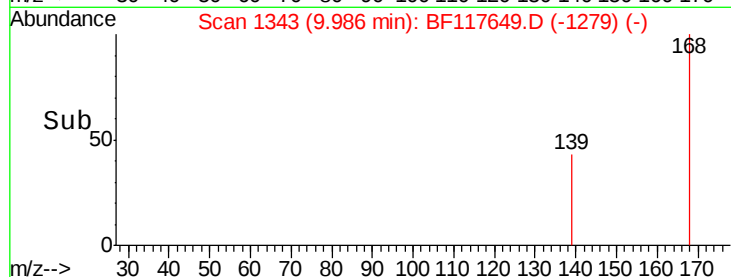
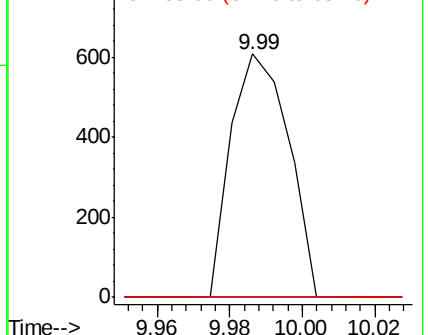


Abundance

Ion 139.00 (138.70 to 139.70): E

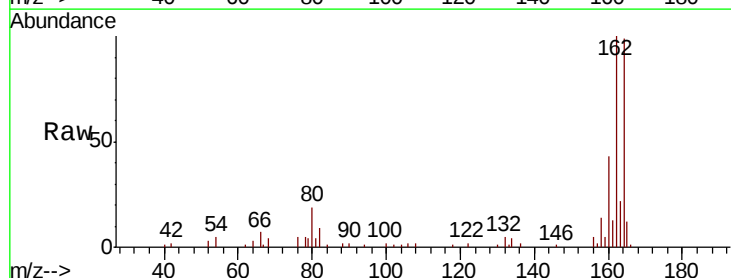
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57
2,4-Dinitrotoluene
Concen: 6.201 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

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#



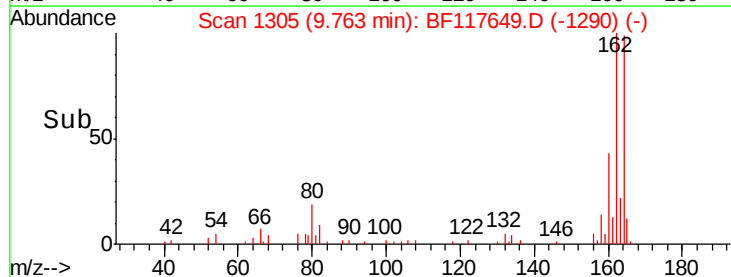
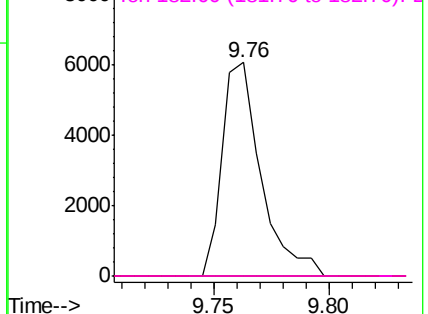
Abundance

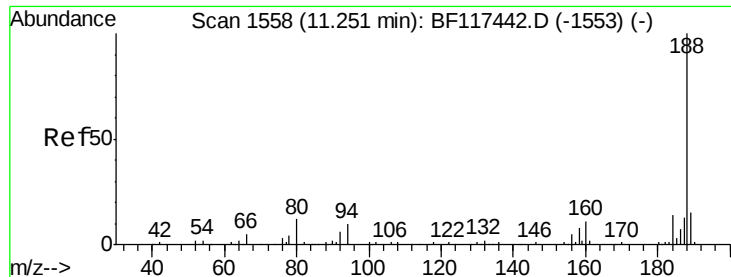
Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF117649.D

Acq: 31 Oct 2019 6:41

Instrument :

BNA_F

ClientSampled :

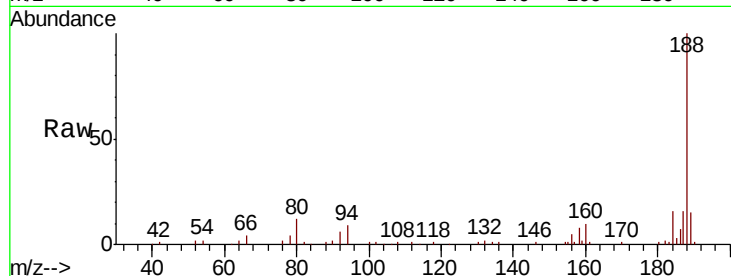
Tot Ion:188 Resp: 87411

Ion Ratio Lower Upper

188 100

94 9.3 8.0 12.0

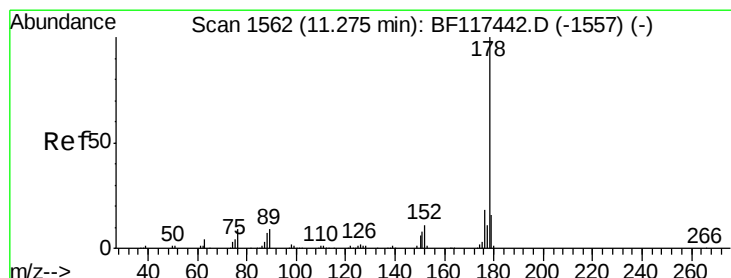
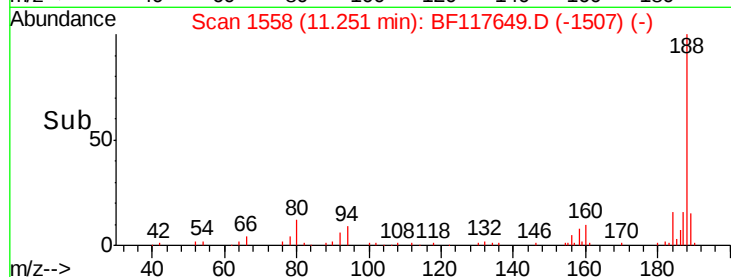
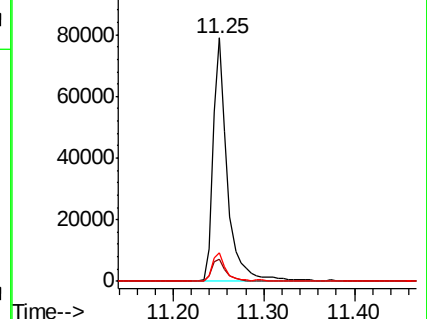
80 11.6 9.5 14.3



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: 5.741 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117649.D

Acq: 31 Oct 2019 6:41

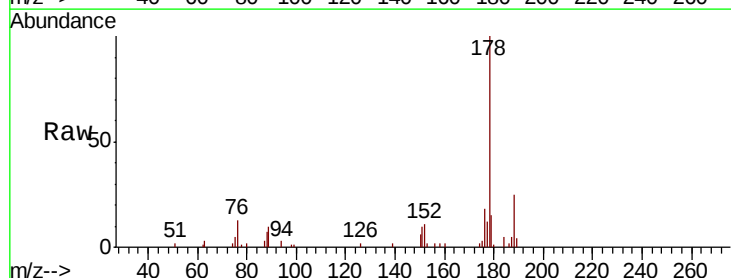
Tgt Ion:178 Resp: 29139

Ion Ratio Lower Upper

178 100

176 18.2 14.6 22.0

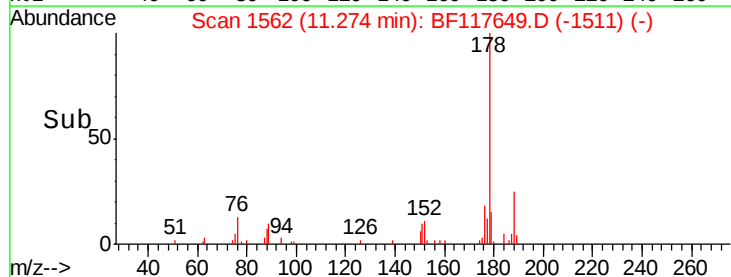
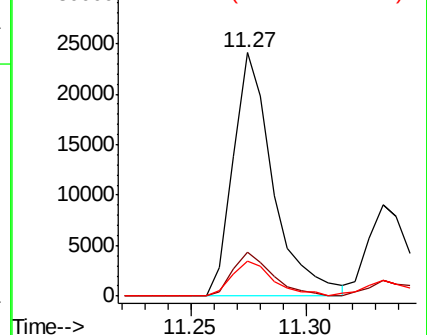
179 14.6 12.6 19.0

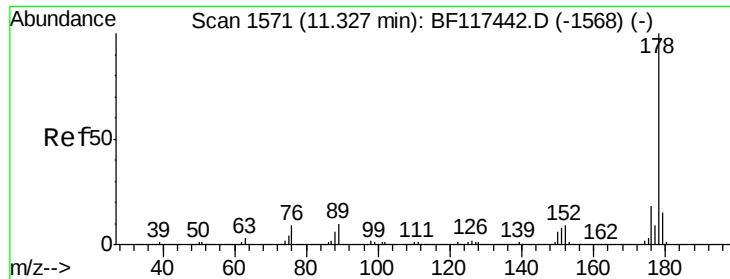


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

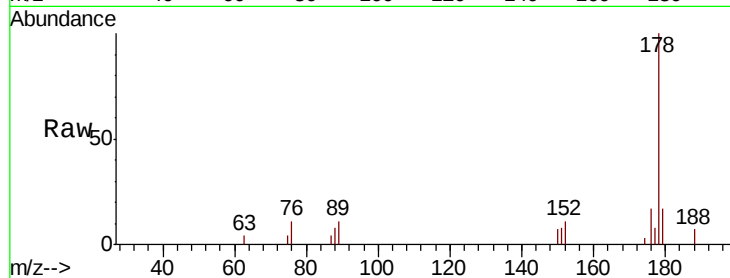




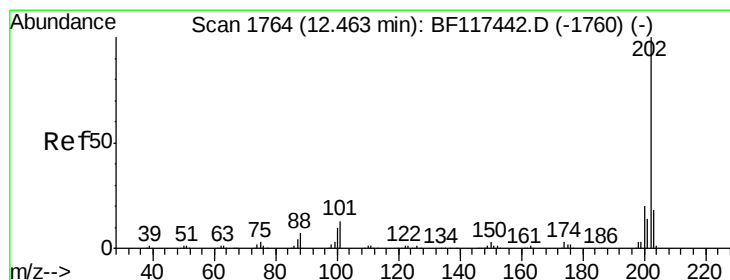
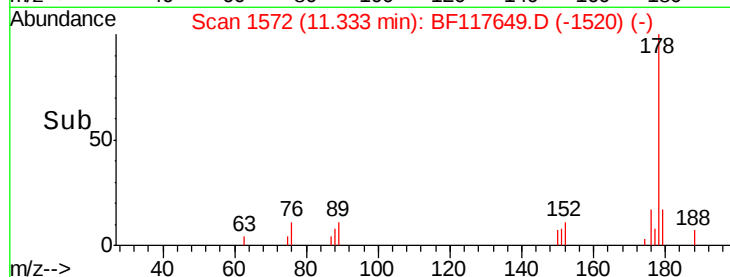
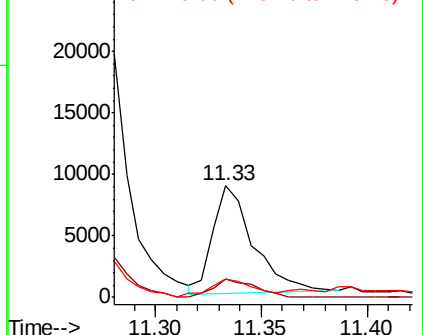
#72
 Anthracene
 Concen: 2.240 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BF117649.D
 Acq: 31 Oct 2019 6:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 11667
 Ion Ratio Lower Upper
 178 100
 176 16.7 14.7 22.1
 179 16.7 12.2 18.2

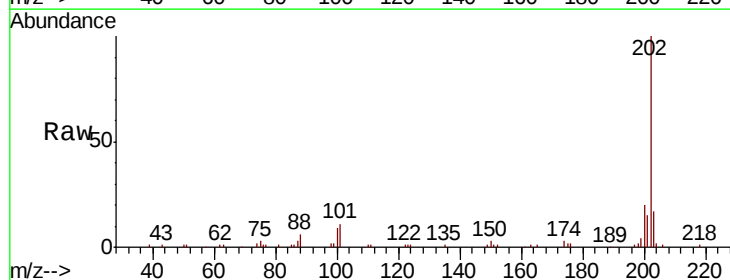


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

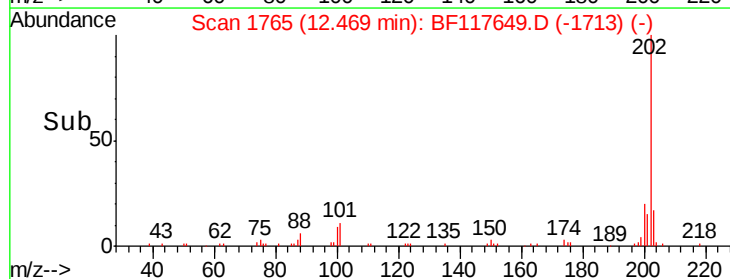
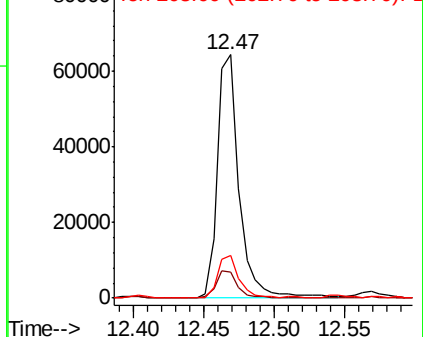


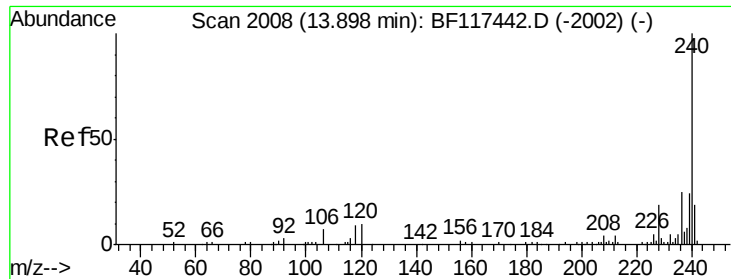
#75
 Fluoranthene
 Concen: 13.593 ng
 RT: 12.47 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: BF117649.D
 Acq: 31 Oct 2019 6:41

Tgt Ion:202 Resp: 69068
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 32.7
 203 17.4 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

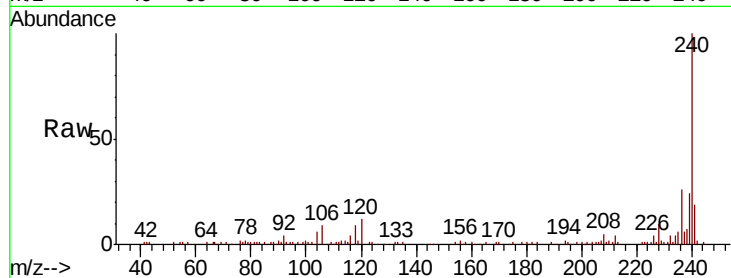




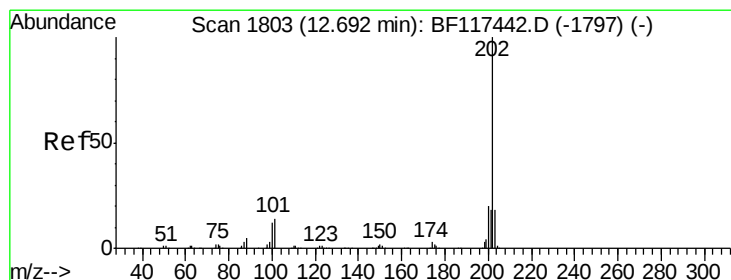
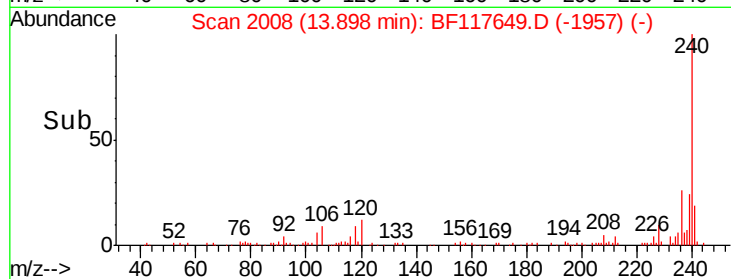
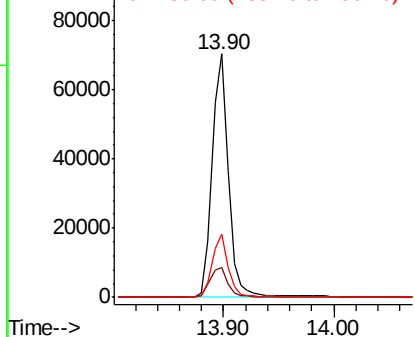
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 71592
Ion Ratio Lower Upper
240 100
120 12.3 8.4 12.6
236 25.8 20.0 30.0

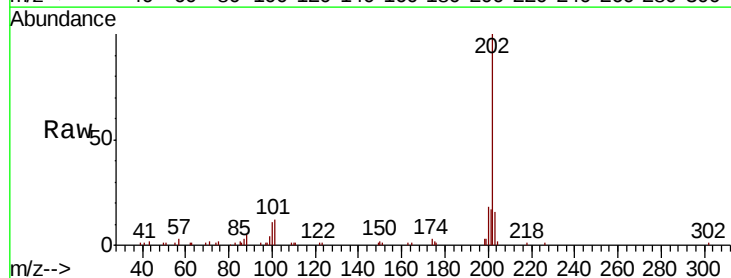


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

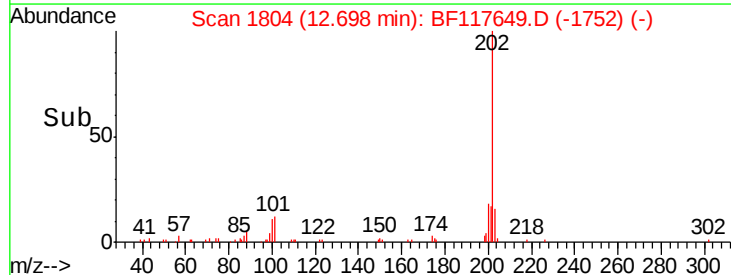
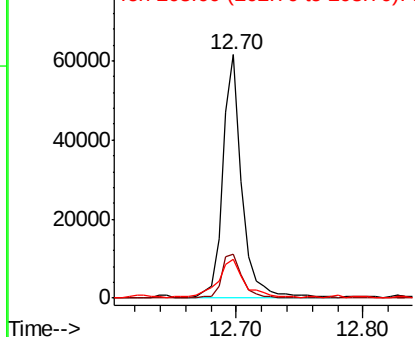


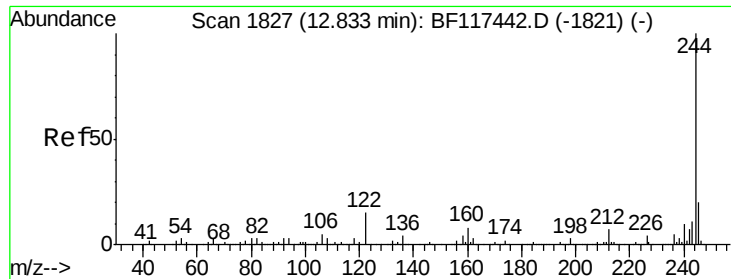
#78
Pyrene
Concen: 10.527 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:202 Resp: 64734
Ion Ratio Lower Upper
202 100
200 17.9 16.2 24.2
203 16.1 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

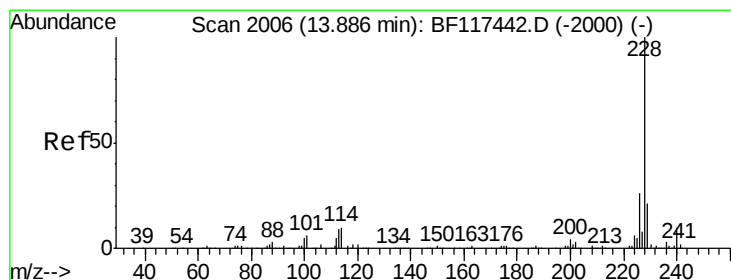
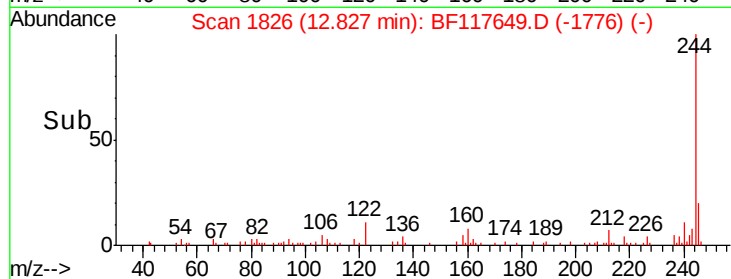
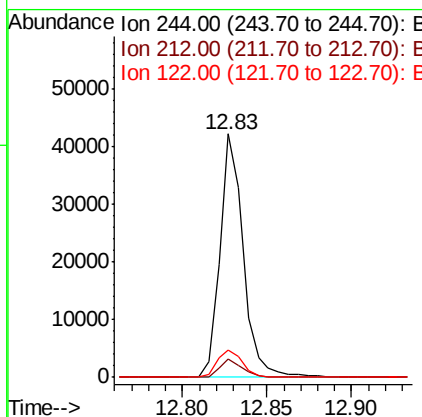
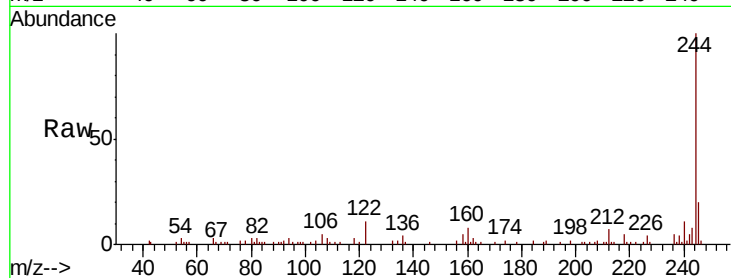




#79
 Terphenyl-d14
 Concen: 9.328 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117649.D
 Acq: 31 Oct 2019 6:41

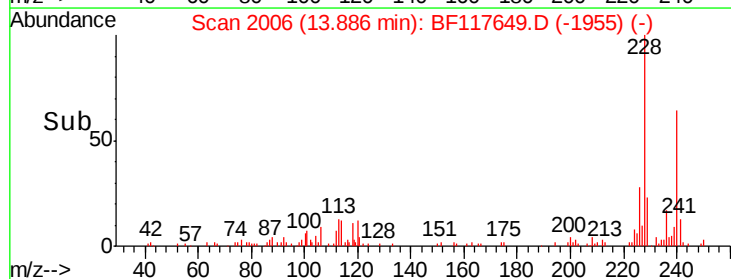
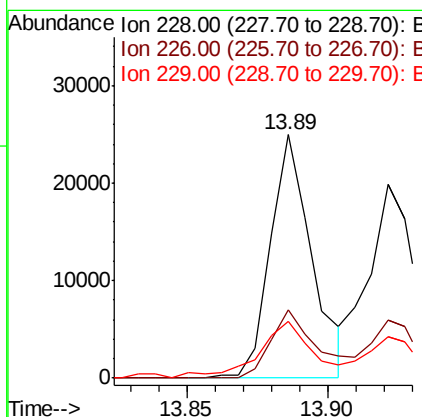
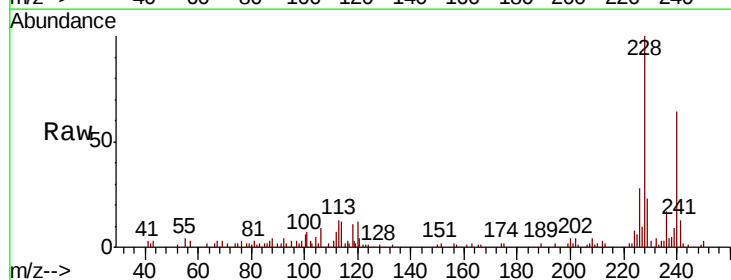
Instrument :
 BNA_F
 ClientSampleId :

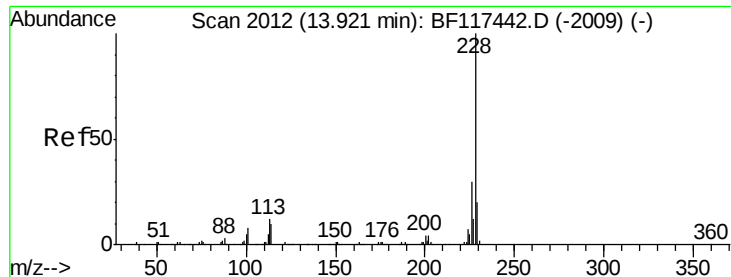
Tot Ion:244 Resp: 40943
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.6
 122 11.0 11.8 17.8#



#81
 Benzo(a)anthracene
 Concen: 5.278 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: BF117649.D
 Acq: 31 Oct 2019 6:41

Tgt Ion:228 Resp: 25486
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.0 31.4
 229 23.2 16.4 24.6

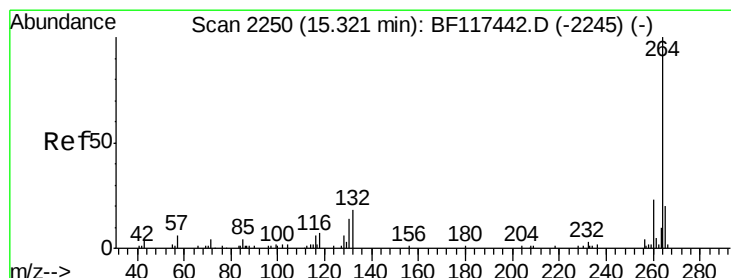
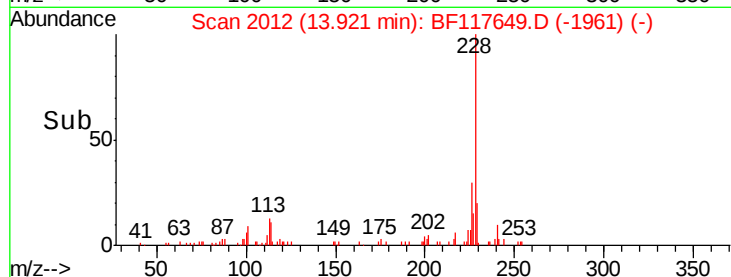
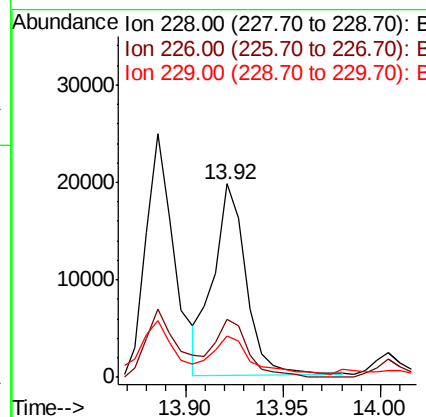
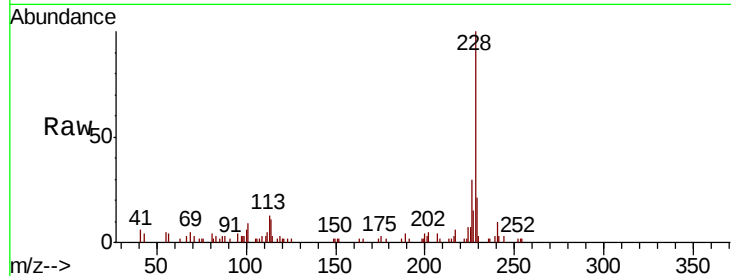




#83
Chrysene
Concen: 4.873 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

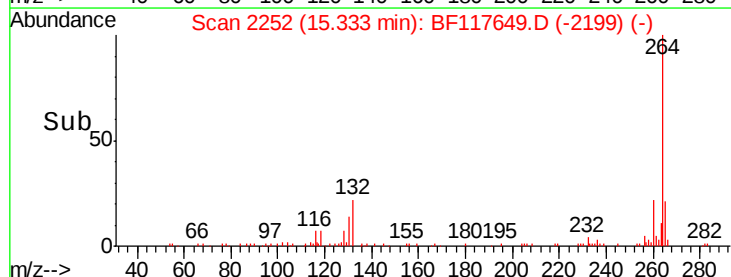
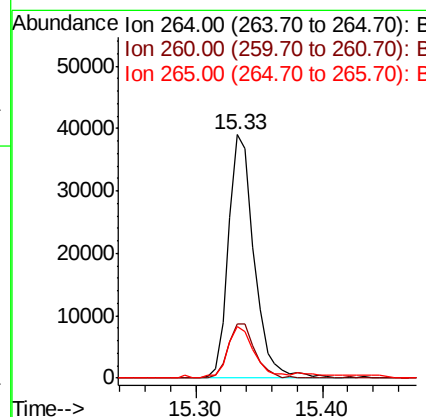
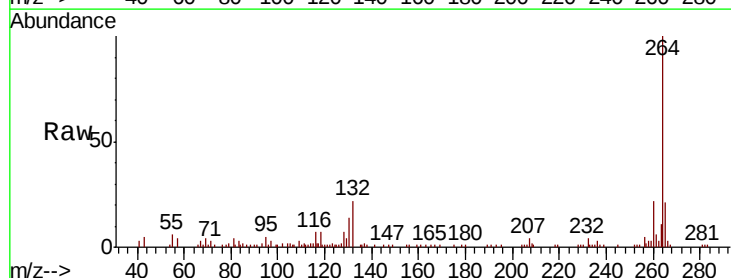
Instrument :
BNA_F
ClientSampleId :

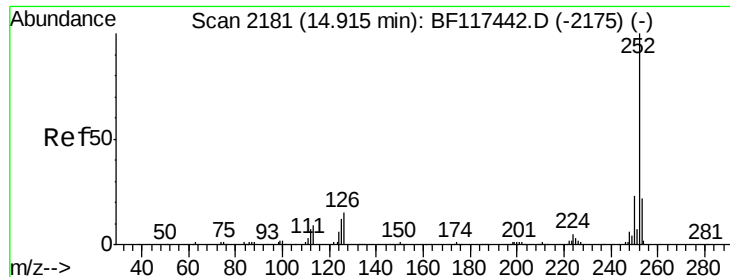
Tot Ion:228 Resp: 23061
Ion Ratio Lower Upper
228 100
226 30.0 23.9 35.9
229 21.4 15.8 23.6



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:264 Resp: 54672
Ion Ratio Lower Upper
264 100
260 22.1 18.4 27.6
265 21.4 16.1 24.1





#88

Benzo(b)fluoranthene

Concen: 8.148 ng

RT: 14.93 min Scan# 2183

Delta R.T. 0.01 min

Lab File: BF117649.D

Acq: 31 Oct 2019 6:41

Instrument :

BNA_F

ClientSampleId :

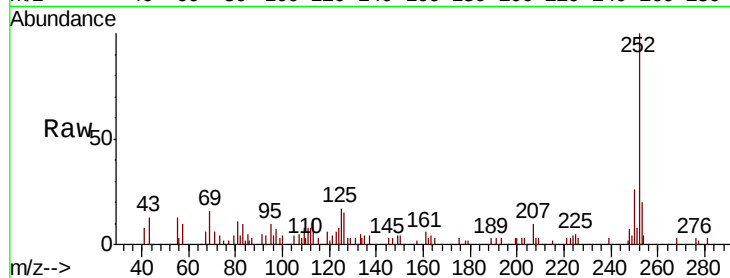
Tot Ion:252 Resp: 26306

Ion Ratio Lower Upper

252 100

253 19.6 17.8 26.6

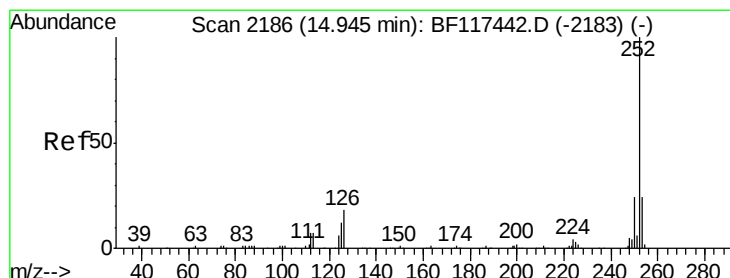
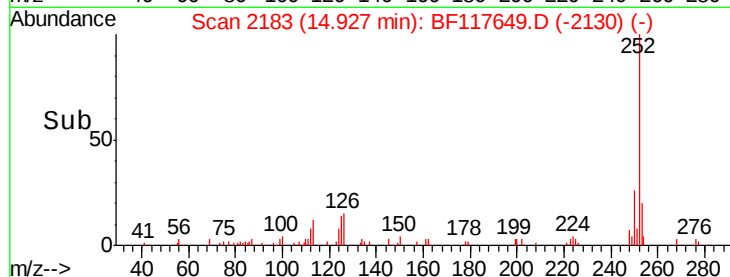
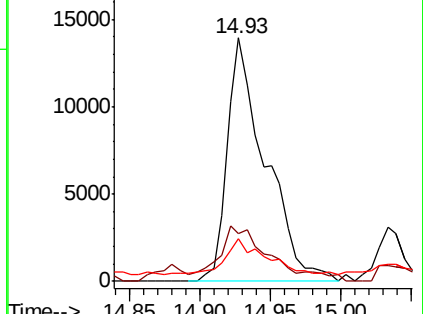
125 17.3 9.9 14.9#



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: 7.950 ng

RT: 14.93 min Scan# 2183

Delta R.T. -0.02 min

Lab File: BF117649.D

Acq: 31 Oct 2019 6:41

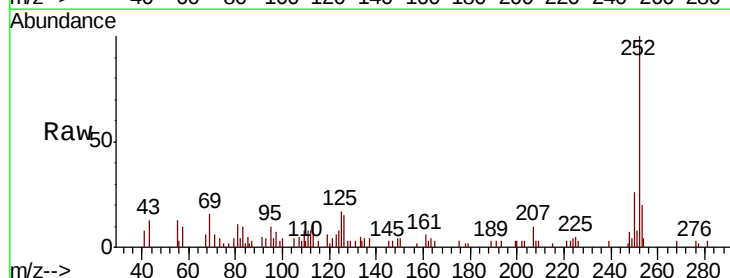
Tgt Ion:252 Resp: 26306

Ion Ratio Lower Upper

252 100

253 19.6 18.0 27.0

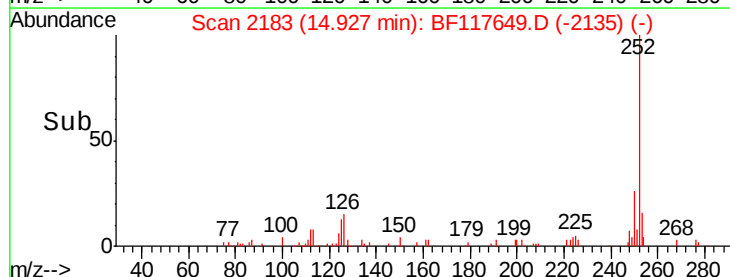
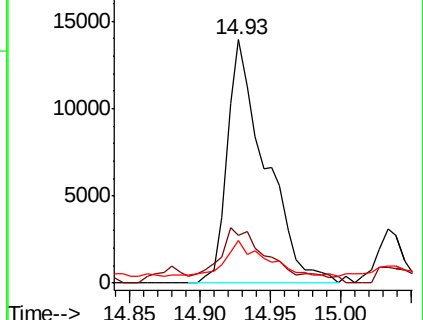
125 17.3 8.9 13.3#

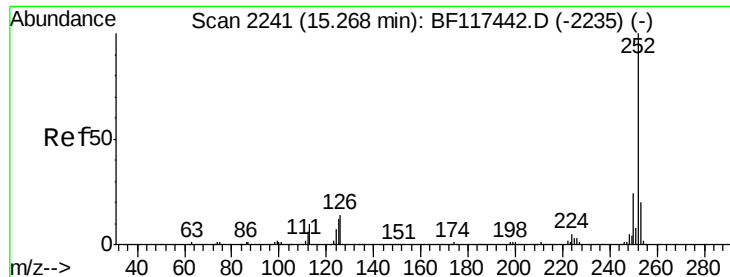


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

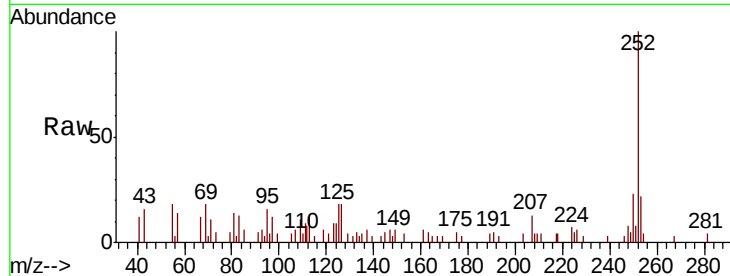




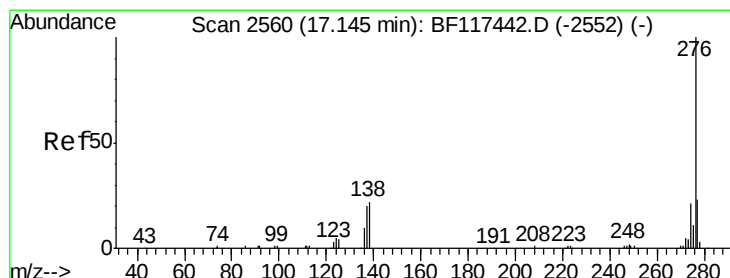
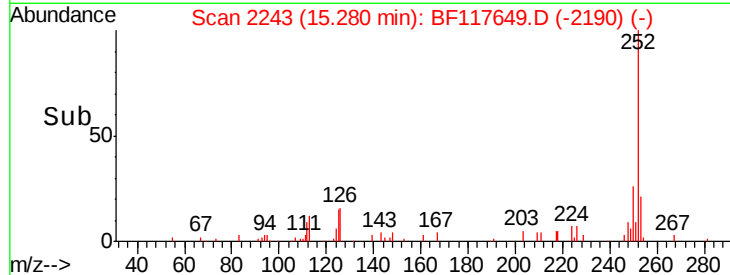
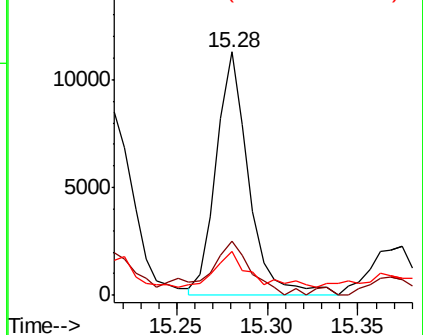
#90
Benzo(a)pyrene
Concen: 4.842 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 14212
Ion Ratio Lower Upper
252 100
253 22.4 16.3 24.5
125 18.3 9.2 13.8#

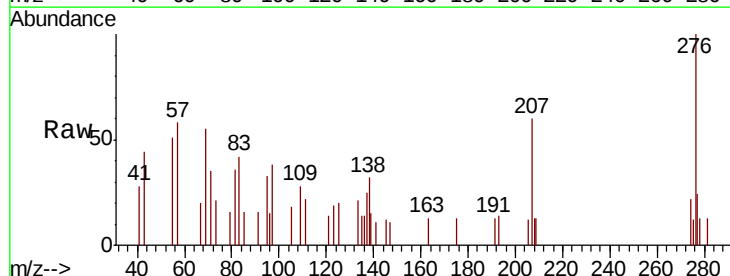


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.420 ng
RT: 17.20 min Scan# 2570
Delta R.T. 0.06 min
Lab File: BF117649.D
Acq: 31 Oct 2019 6:41

Tgt Ion:276 Resp: 5811
Ion Ratio Lower Upper
276 100
277 24.5 18.4 27.6
138 32.2 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

