

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122819\
 Data File : BF118379.D
 Acq On : 28 Dec 2019 21:46
 Operator : JU
 Sample : K6443-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 29 07:46:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

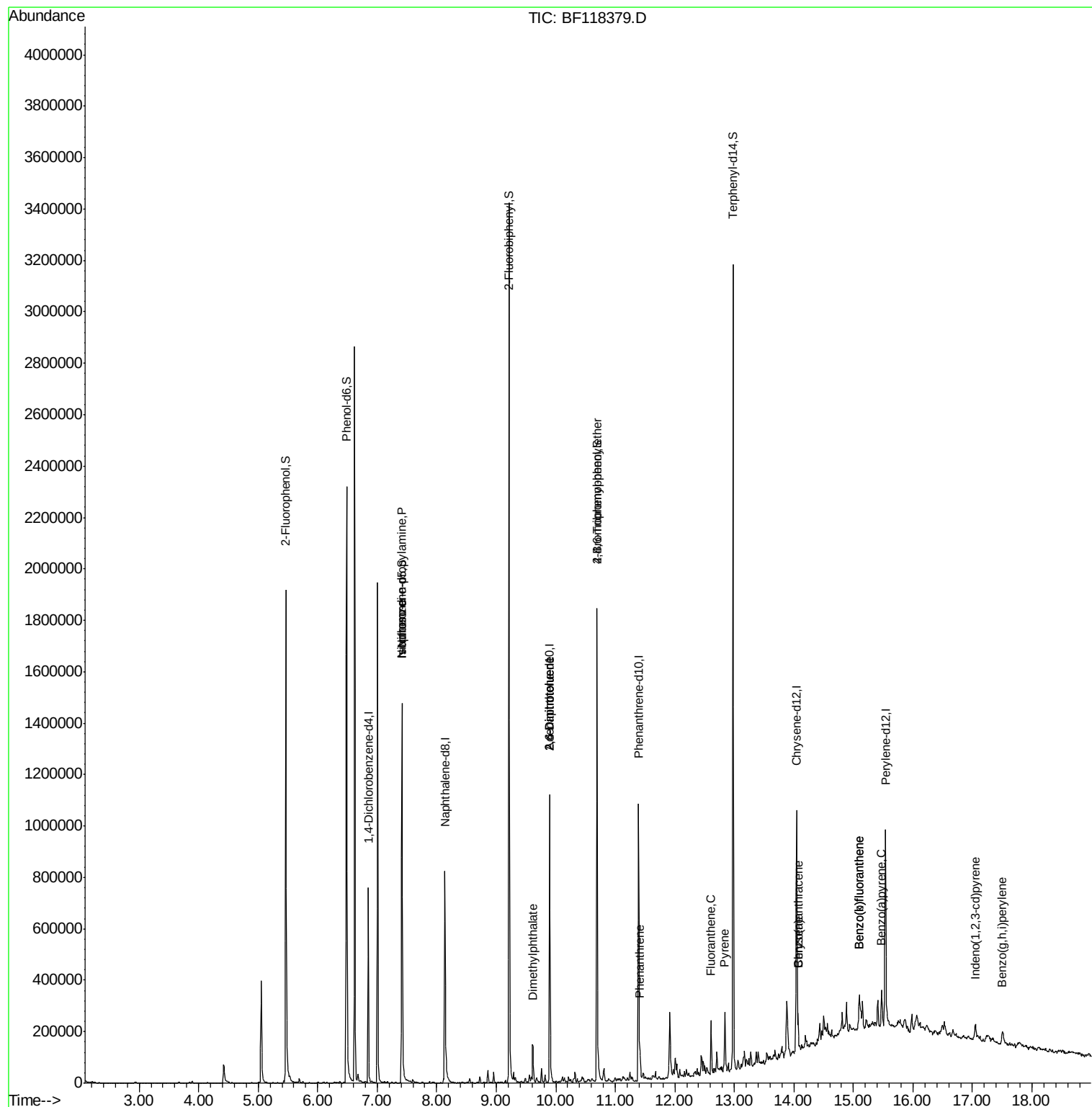
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	109874	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	436350	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	227071	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	386968	20.00	ng	0.00
76) Chrysene-d12	14.04	240	277369	20.00	ng	0.00
87) Perylene-d12	15.54	264	326427	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	627578	97.50	ng	0.00
7) Phenol-d6	6.49	99	806403	100.99	ng	0.00
23) Nitrobenzene-d5	7.42	82	474614	62.21	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	243785	86.94	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	993285	66.77	ng	0.00
79) Terphenyl-d14	12.98	244	991101	59.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	63738	12.957	ng	# 78
25) Isophorone	7.42	82	474610	35.696	ng	# 62
50) Dimethylphthalate	9.62	163	69239	4.062	ng	100
51) 2,6-Dinitrotoluene	9.90	165	29814	8.113	ng	# 26
57) 2,4-Dinitrotoluene	9.90	165	29814	6.072	ng	# 30
67) 4-Bromophenyl-phenylether	10.69	248	15722	3.472	ng	# 1
71) Phenanthrene	11.42	178	47336	2.244	ng	98
75) Fluoranthene	12.61	202	71212	3.345	ng	97
78) Pyrene	12.84	202	96568	4.263	ng	98
81) Benzo(a)anthracene	14.07	228	59393	3.059	ng	93
83) Chrysene	14.07	228	59393	3.195	ng	# 96
86) Indeno(1,2,3-cd)pyrene	17.05	276	37658	2.377	ng	95
88) Benzo(b)fluoranthene	15.10	252	105838	4.884	ng	# 91
89) Benzo(k)fluoranthene	15.10	252	105838	5.087	ng	# 92
90) Benzo(a)pyrene	15.47	252	67309	3.526	ng	96
92) Benzo(g,h,i)perylene	17.51	276	39370	2.460	ng	# 85

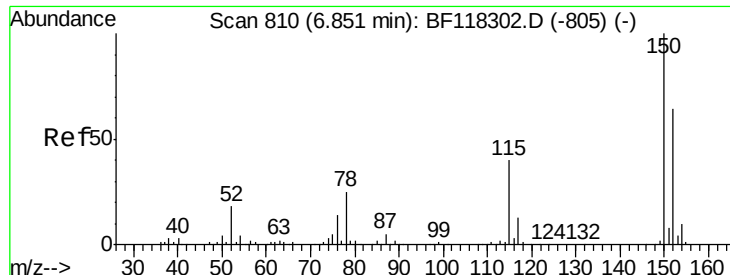
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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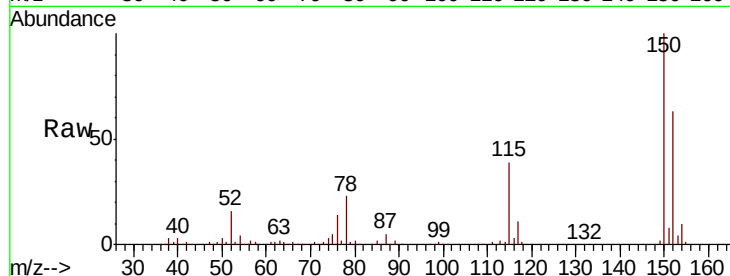


#1

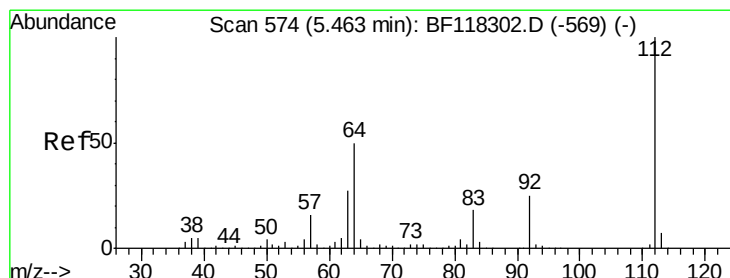
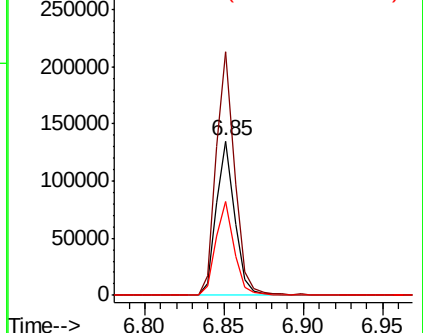
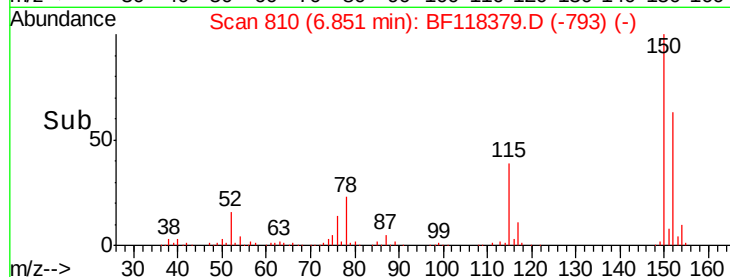
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 109874
Ion Ratio Lower Upper
152 100
150 158.0 125.4 188.2
115 60.9 50.2 75.4



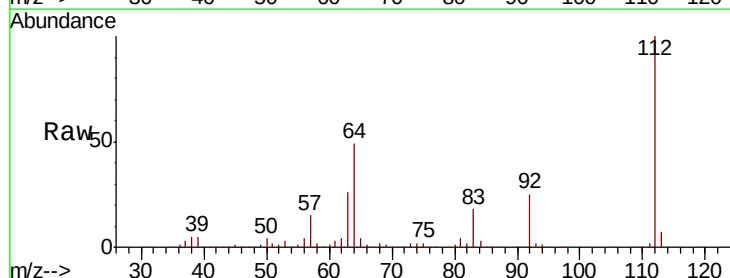
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



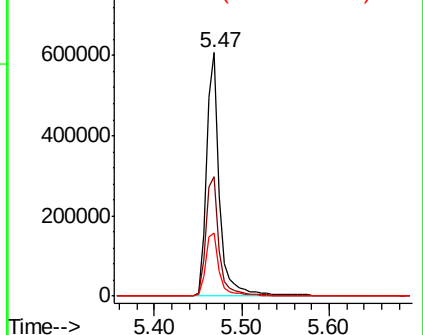
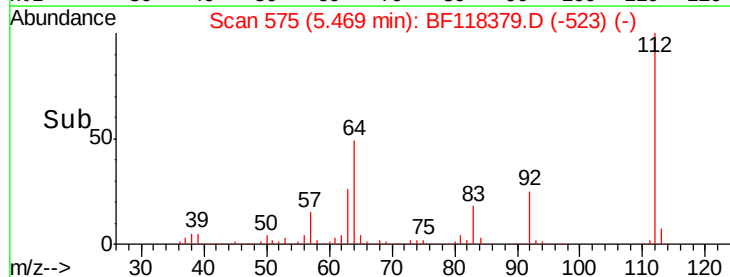
#5

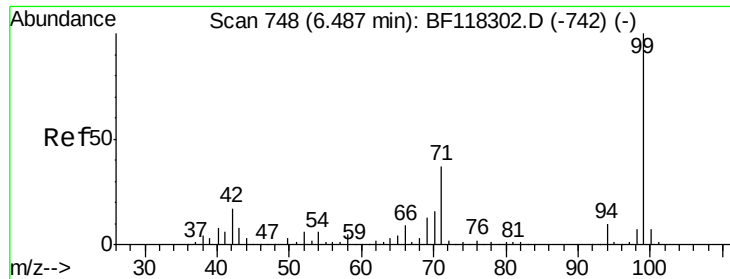
2-Fluorophenol
Concen: 97.500 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

Tgt Ion:112 Resp: 627578
Ion Ratio Lower Upper
112 100
64 49.1 39.7 59.5
63 25.8 21.7 32.5



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: 100.991 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF118379.D

Acq: 28 Dec 2019 21:46

Instrument :

BNA_F

ClientSampled :

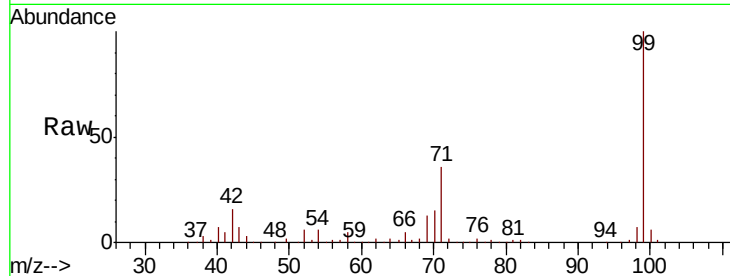
Tot Ion: 99 Resp: 806403

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

71 35.9 29.4 44.2

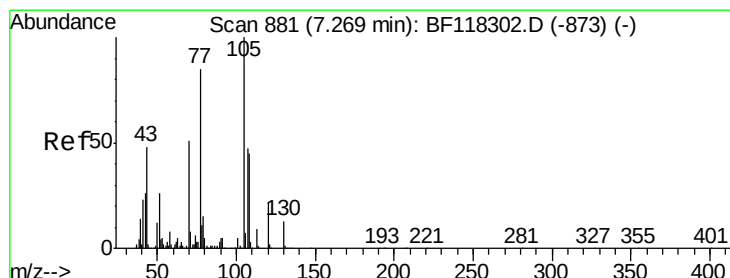
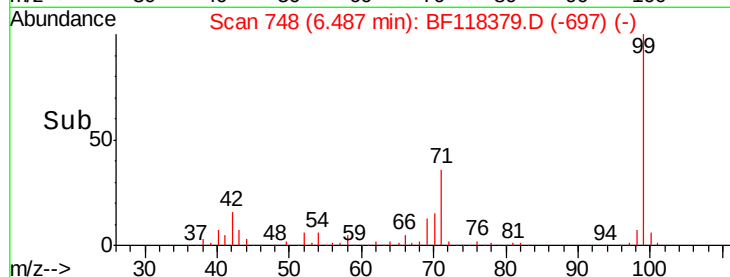
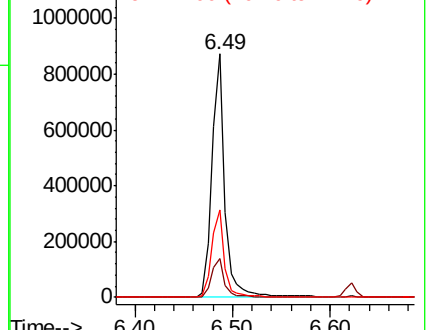


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.957 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF118379.D

Acq: 28 Dec 2019 21:46

Tgt Ion: 70 Resp: 63738

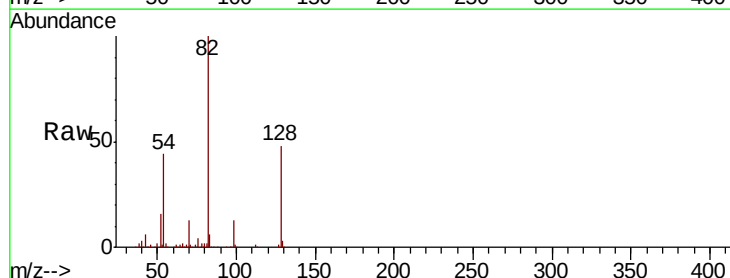
Ion Ratio Lower Upper

70 100

42 44.8 41.1 61.7

101 0.0 8.3 12.5#

130 2.1 20.1 30.1#



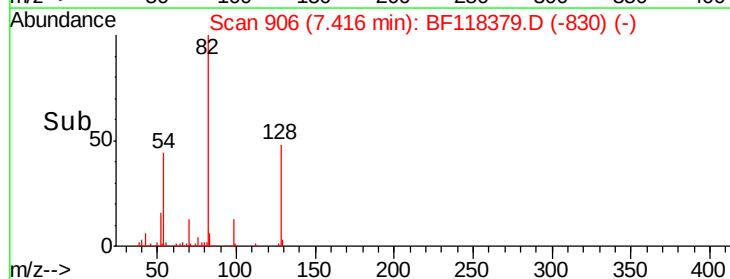
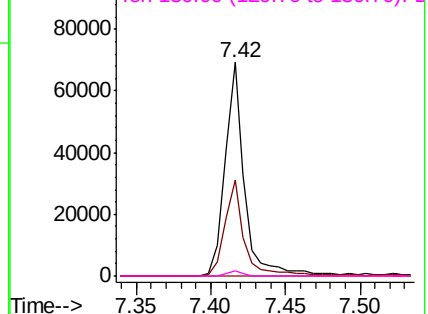
Abundance

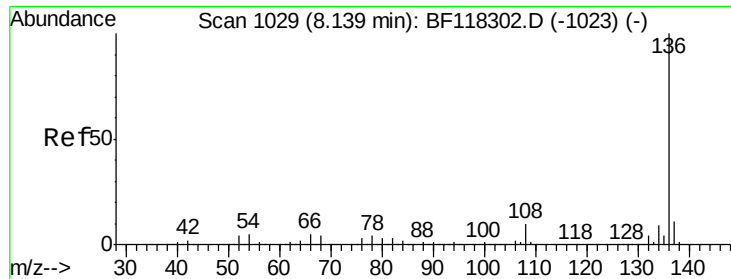
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

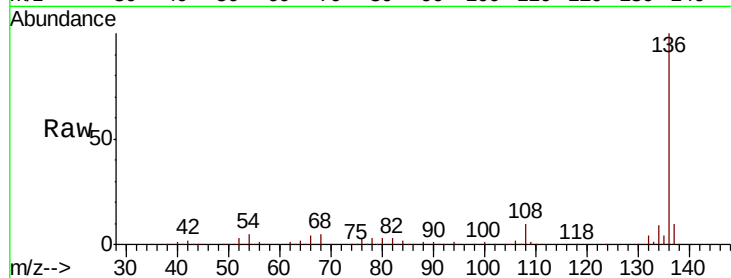




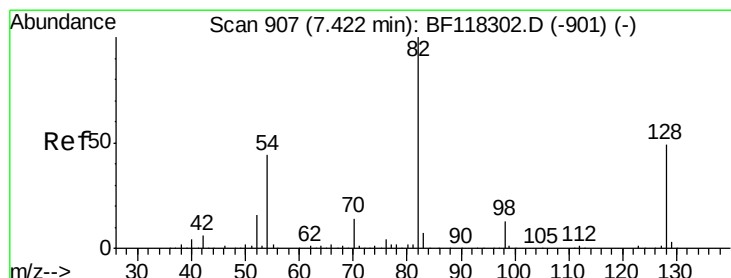
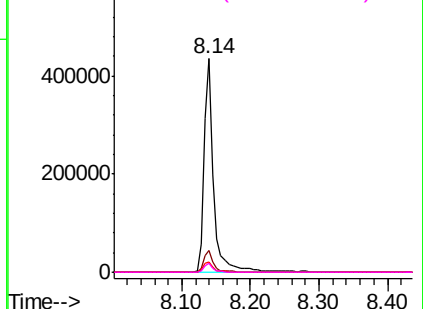
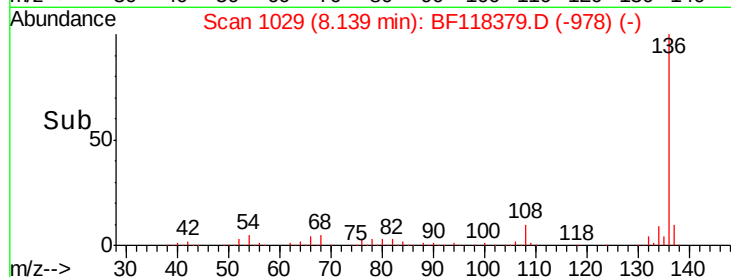
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	436350
Ion Ratio	Lower	Upper
136	100	
137	10.2	8.9 13.3
54	4.9	4.2 6.4
68	4.5	3.5 5.3

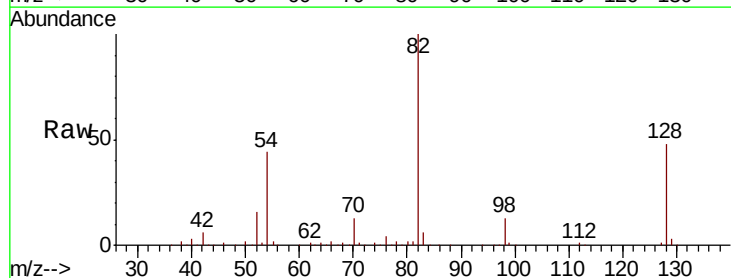


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

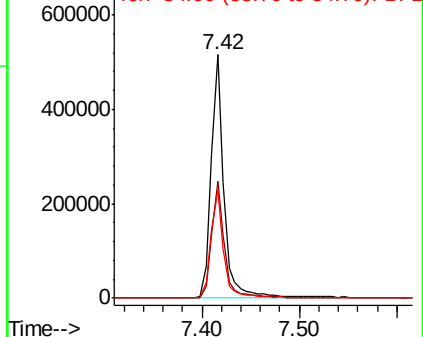
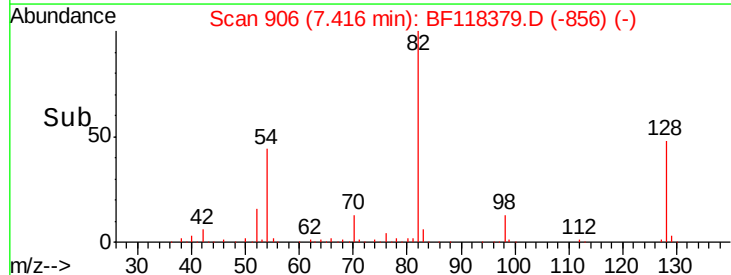


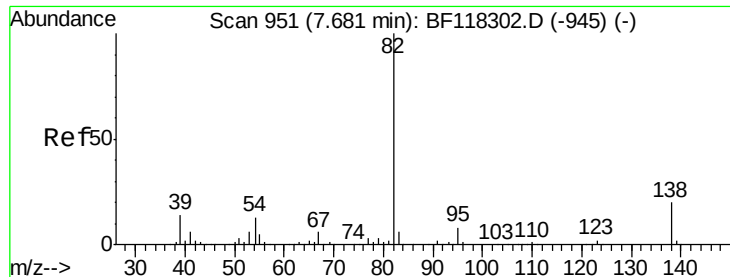
#23
Nitrobenzene-d5
Concen: 62.210 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

Tgt Ion: 82	Resp:	474614
Ion Ratio	Lower	Upper
82	100	
128	48.2	39.6 59.4
54	44.2	34.9 52.3



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





#25

Isophorone

Concen: 35.696 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118379.D

Acq: 28 Dec 2019 21:46

Instrument :

BNA_F

ClientSampleId :

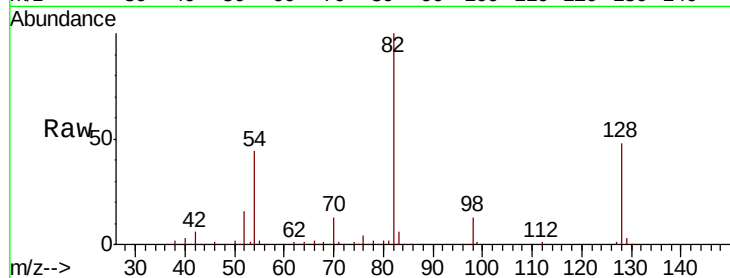
Tot Ion: 82 Resp: 474610

Ion Ratio Lower Upper

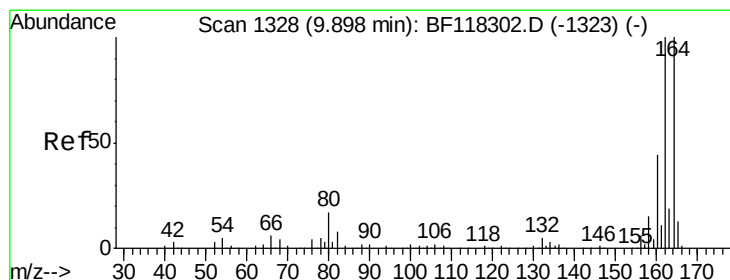
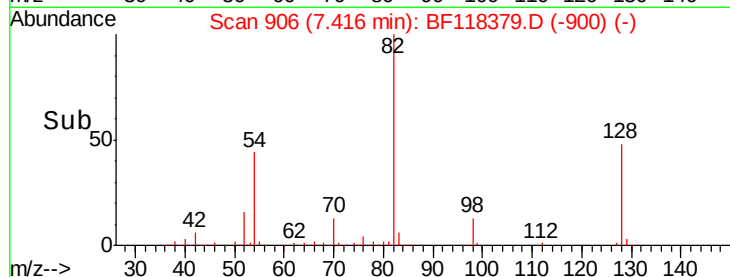
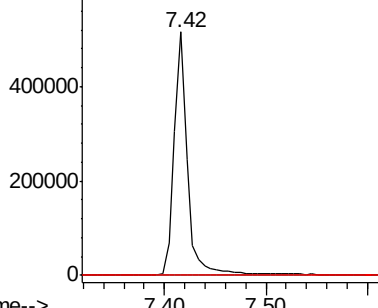
82 100

95 0.0 6.3 9.5#

138 0.0 16.2 24.2#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF118379.D

Acq: 28 Dec 2019 21:46

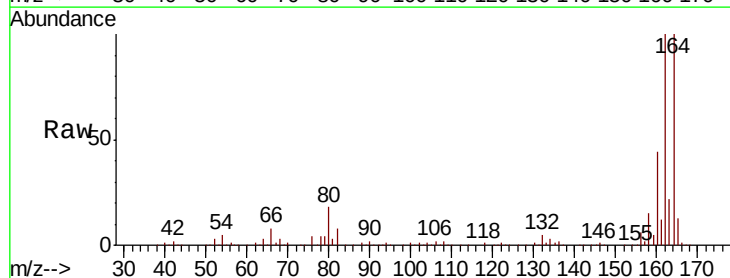
Tgt Ion: 164 Resp: 227071

Ion Ratio Lower Upper

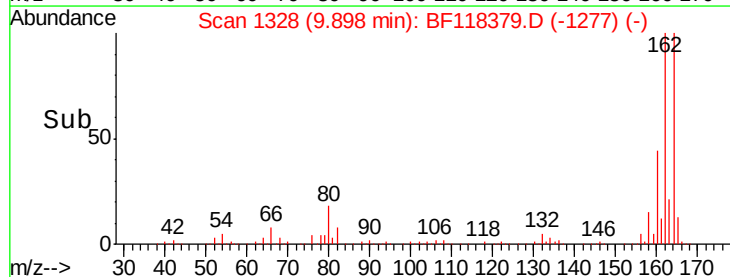
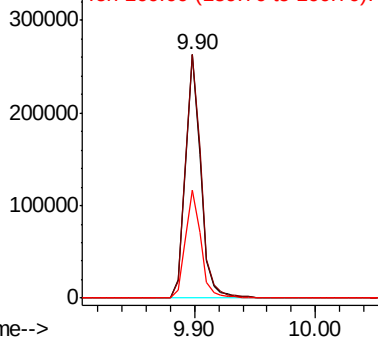
164 100

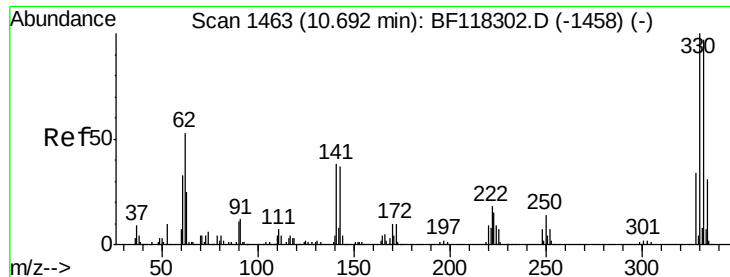
162 100.0 80.0 120.0

160 44.2 34.8 52.2



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

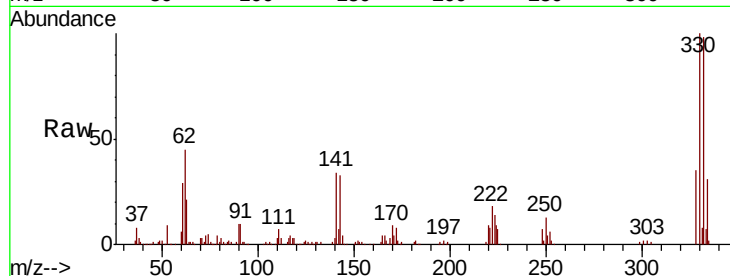




#42
 2,4,6-Tribromophenol
 Concen: 86.937 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: BF118379.D
 Acq: 28 Dec 2019 21:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.6	114.8
141	33.7	26.0	39.0

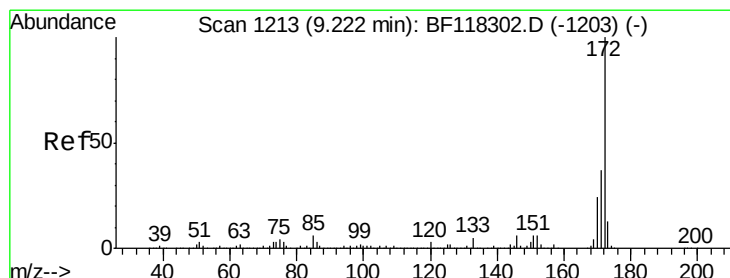
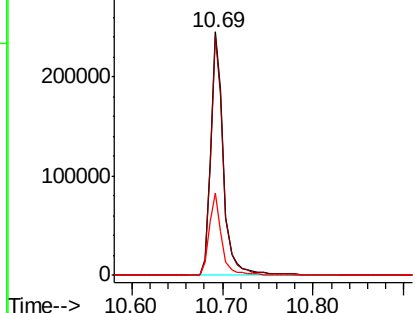
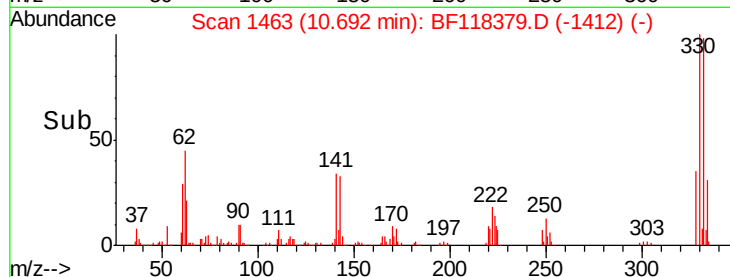


Abundance

Ion 329.80 (329.50 to 330.50): E

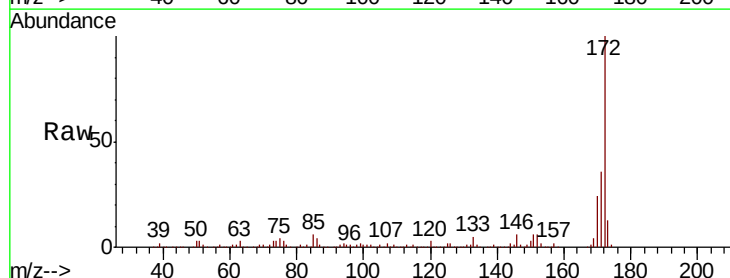
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 66.773 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118379.D
 Acq: 28 Dec 2019 21:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.3	43.9
170	23.5	19.2	28.8

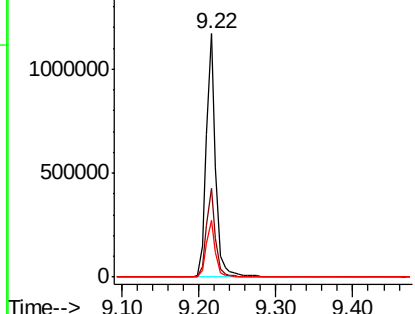
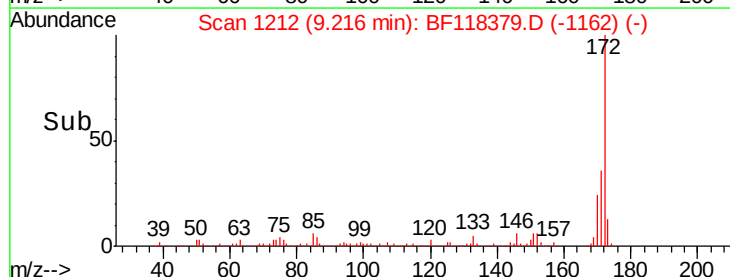


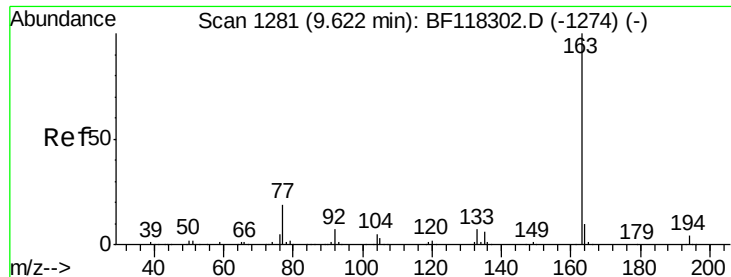
Abundance

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

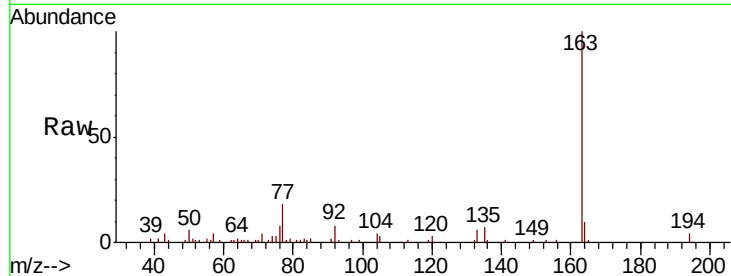




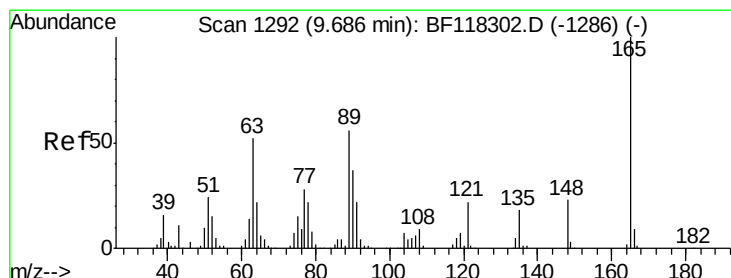
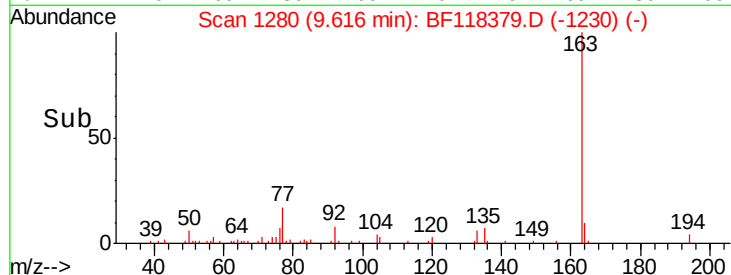
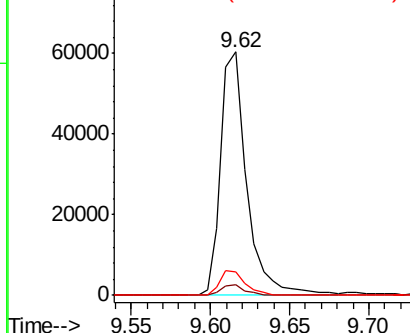
#50
Dimethylphthalate
Concen: 4.062 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	9.7	7.9	11.9

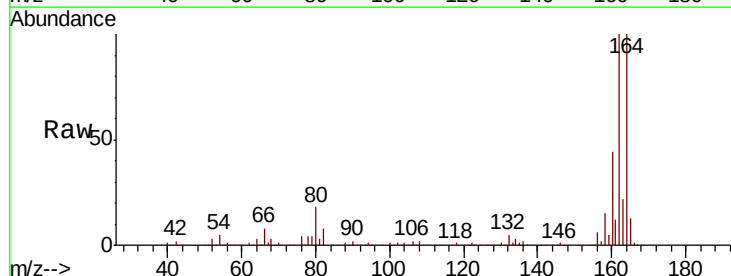


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

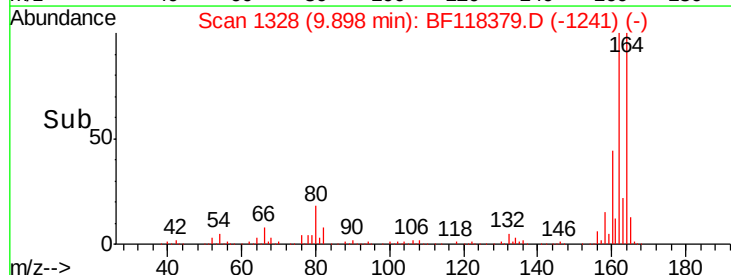
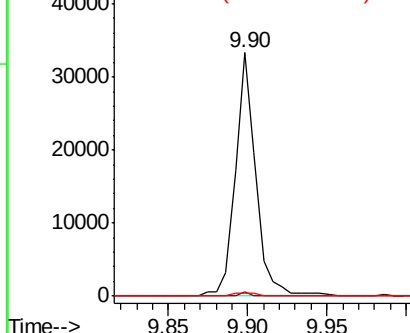


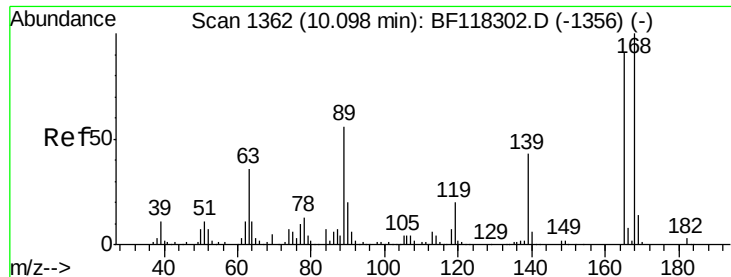
#51
2,6-Dinitrotoluene
Concen: 8.113 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.2	63.4#
89	1.2	44.4	66.6#



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





#57

2,4-Dinitrotoluene

Concen: 6.072 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.20 min

Lab File: BF118379.D

Acq: 28 Dec 2019 21:46

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 29814

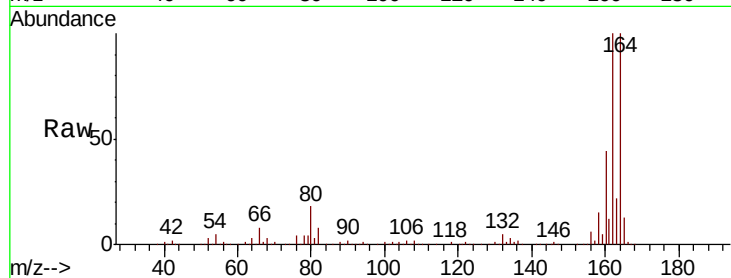
Ion Ratio Lower Upper

165 100

63 1.5 32.0 48.0#

89 1.2 49.3 73.9#

182 0.0 2.4 3.6#

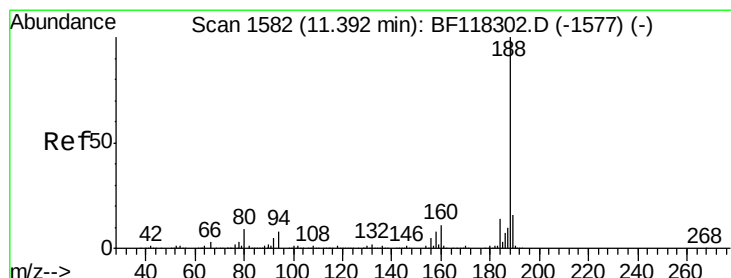
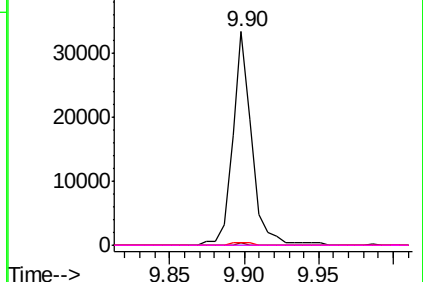
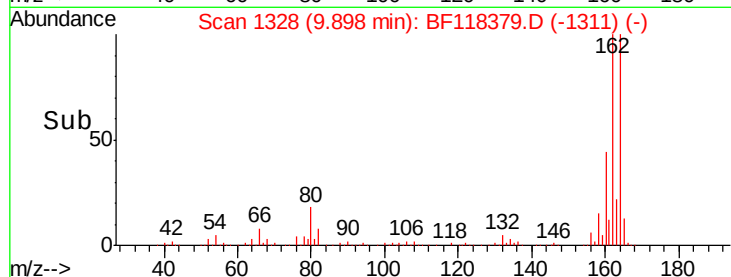


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF118379.D

Acq: 28 Dec 2019 21:46

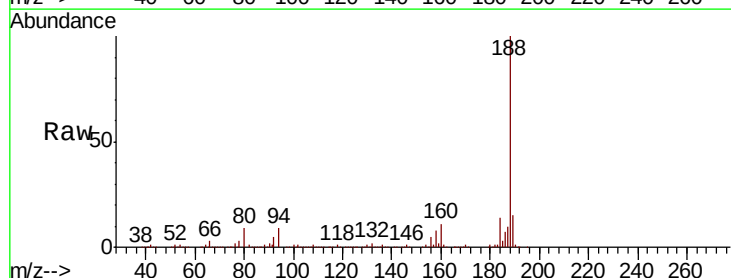
Tgt Ion:188 Resp: 386968

Ion Ratio Lower Upper

188 100

94 8.7 6.7 10.1

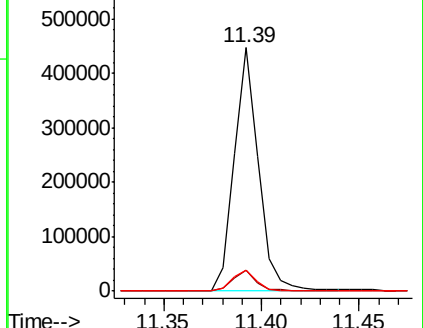
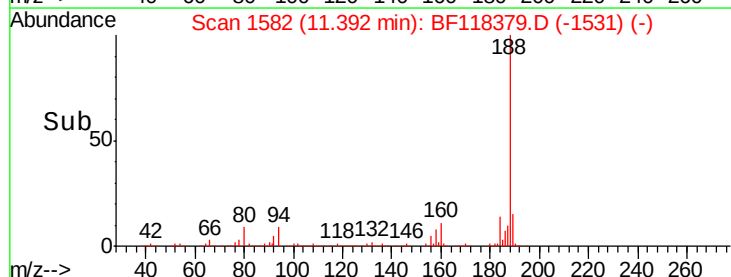
80 8.8 7.2 10.8

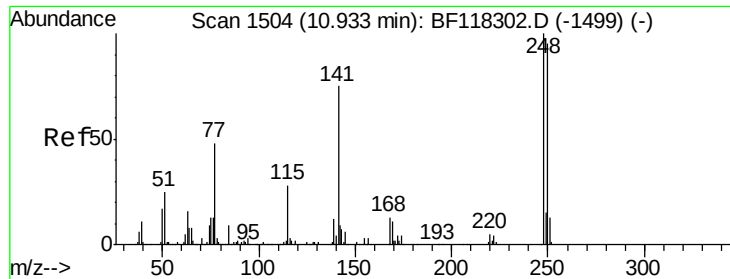


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

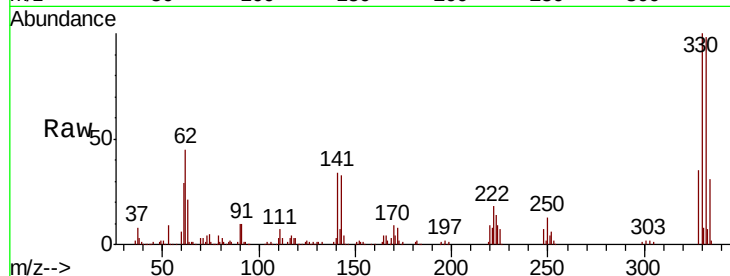




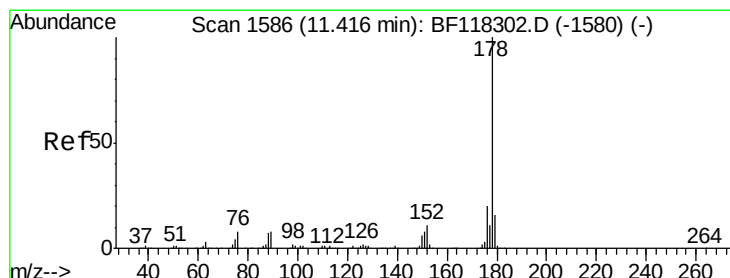
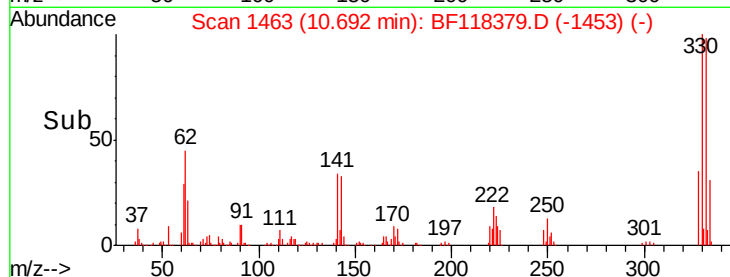
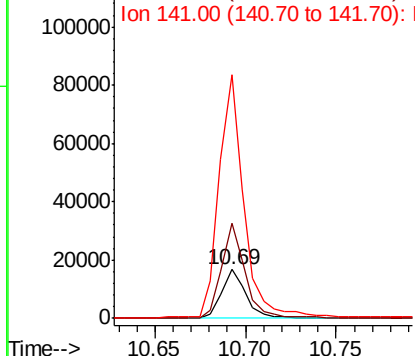
#67
4-Bromophenyl-phenylether
Concen: 3.472 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 15722
Ion Ratio Lower Upper
248 100
250 193.2 76.4 114.6#
141 497.4 60.2 90.2#

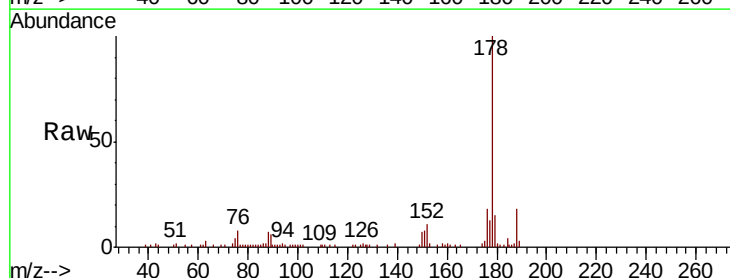


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

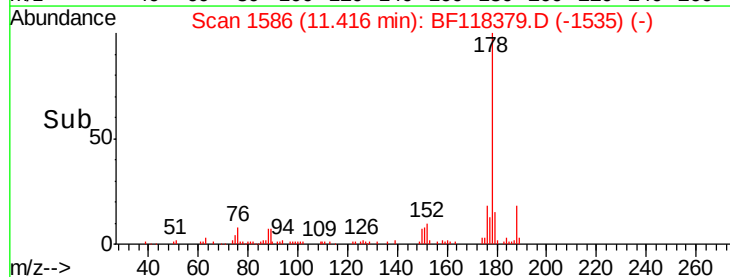
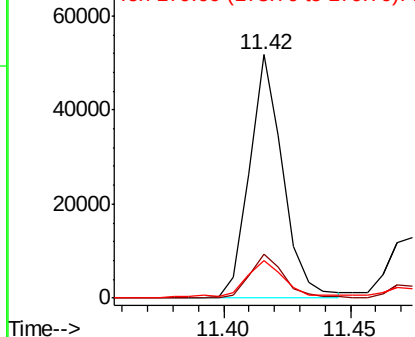


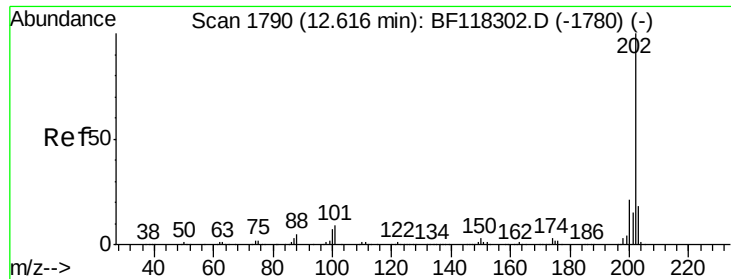
#71
Phenanthrene
Concen: 2.244 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

Tgt Ion:178 Resp: 47336
Ion Ratio Lower Upper
178 100
176 17.8 15.6 23.4
179 15.4 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





#75

Fluoranthene

Concen: 3.345 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118379.D

Acq: 28 Dec 2019 21:46

Instrument :

BNA_F

ClientSampleId :

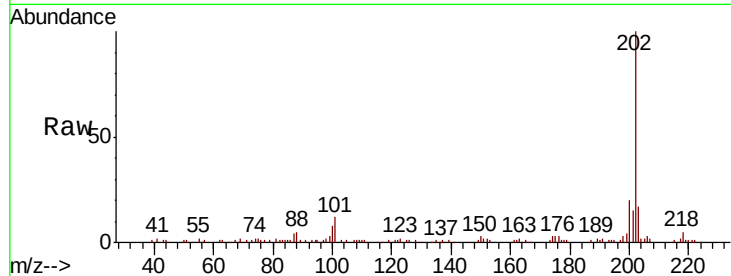
Tot Ion:202 Resp: 71212

Ion Ratio Lower Upper

202 100

101 11.7 0.0 29.5

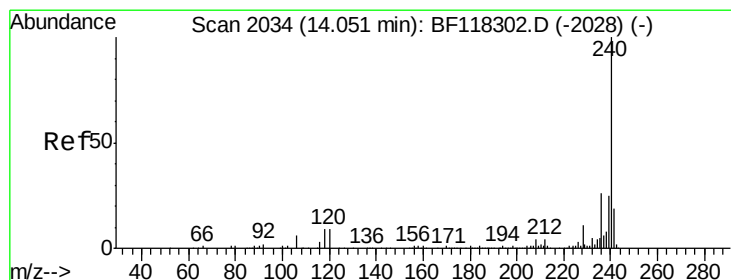
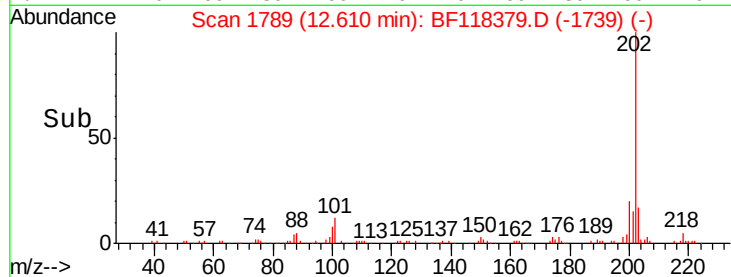
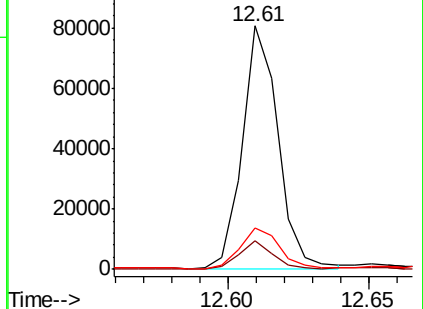
203 16.9 0.0 37.6



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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF118379.D

Acq: 28 Dec 2019 21:46

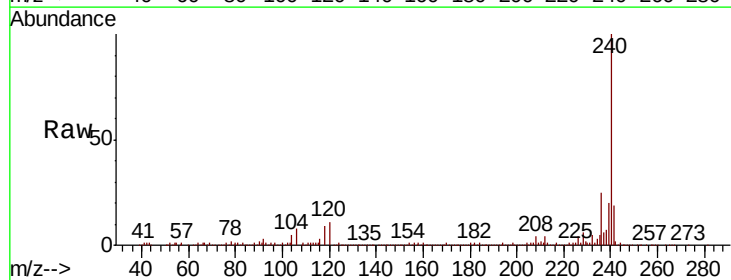
Tgt Ion:240 Resp: 277369

Ion Ratio Lower Upper

240 100

120 11.3 7.1 10.7#

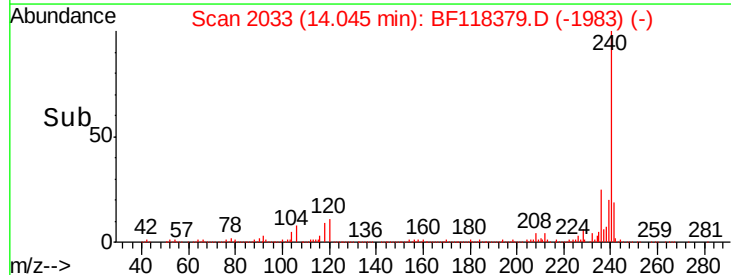
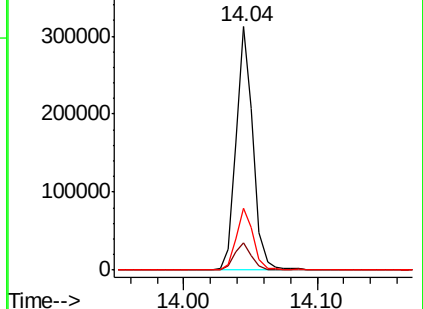
236 25.3 21.0 31.6

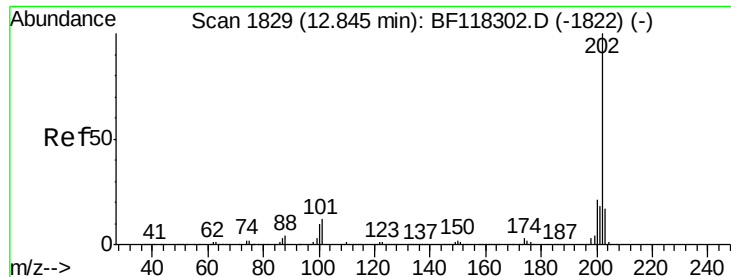


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.263 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF118379.D

Acq: 28 Dec 2019 21:46

Instrument :

BNA_F

ClientSampleId :

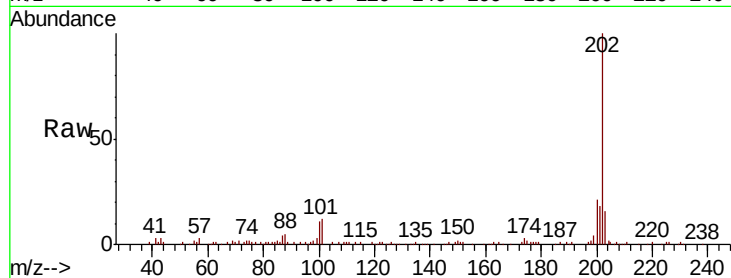
Tot Ion:202 Resp: 96568

Ion Ratio Lower Upper

202 100

200 20.5 16.8 25.2

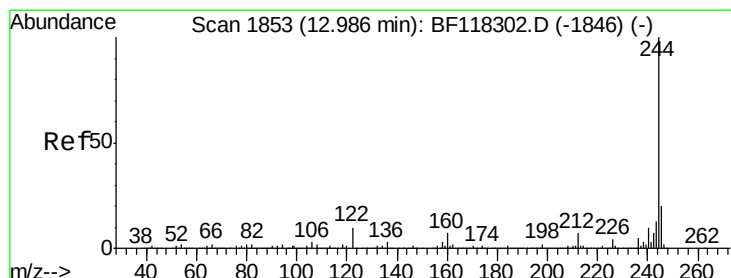
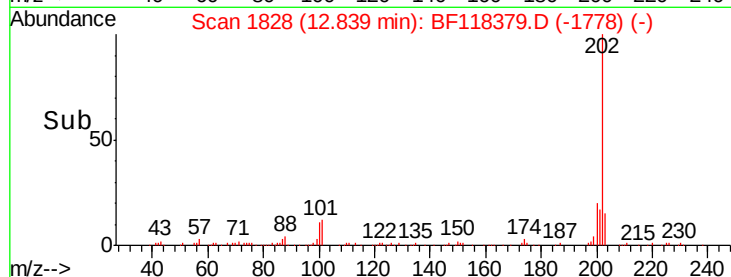
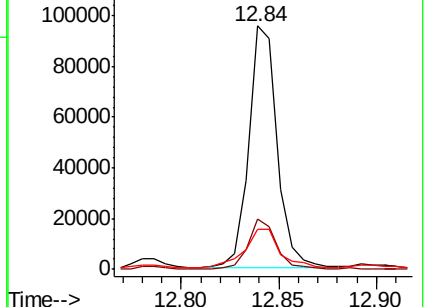
203 16.5 13.9 20.9



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: 59.281 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF118379.D

Acq: 28 Dec 2019 21:46

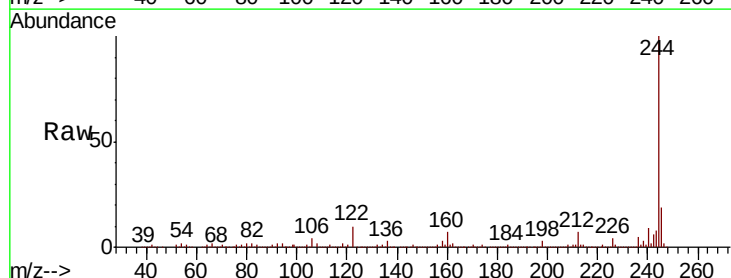
Tgt Ion:244 Resp: 991101

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

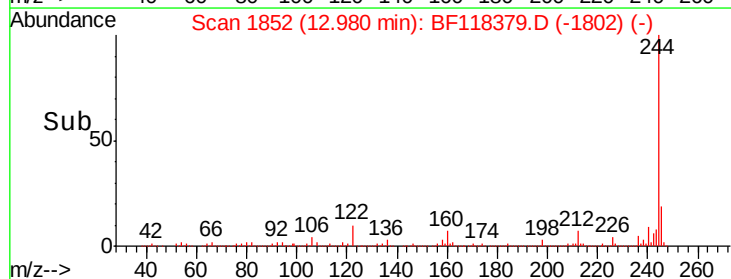
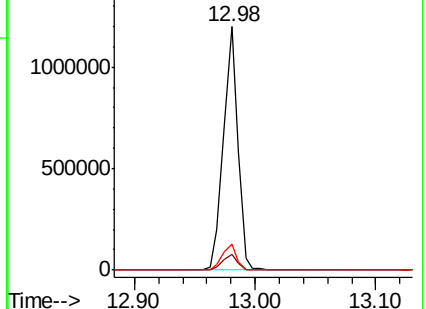
122 10.4 7.8 11.8

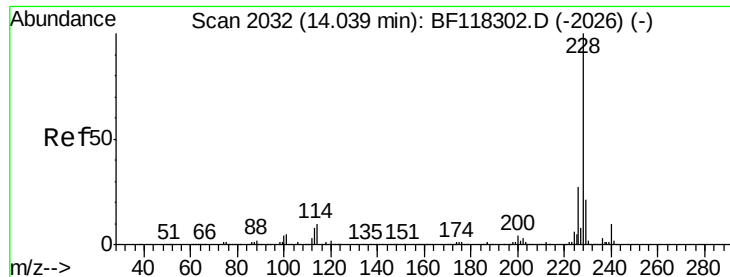


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.059 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.03 min

Lab File: BF118379.D

Acq: 28 Dec 2019 21:46

Instrument :

BNA_F

ClientSampleId :

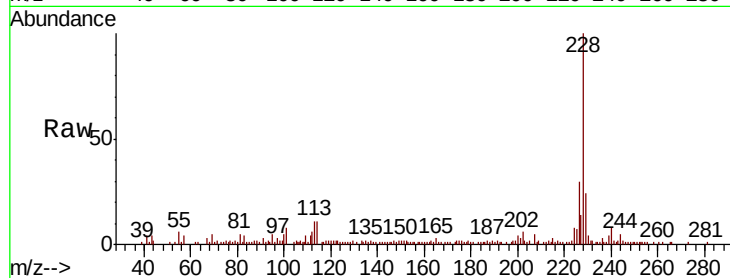
Tot Ion:228 Resp: 59393

Ion Ratio Lower Upper

228 100

226 30.4 22.0 33.0

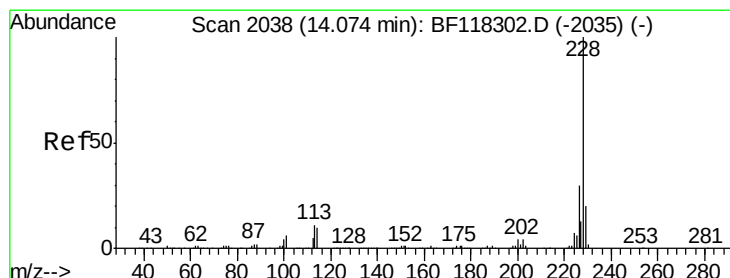
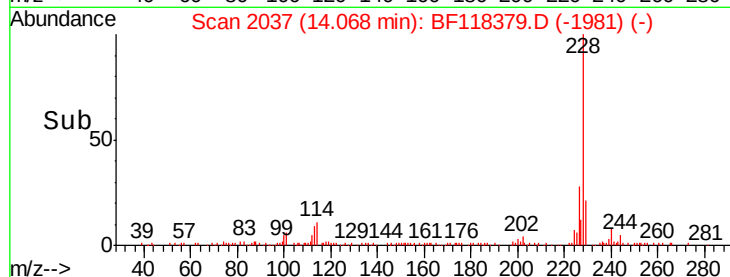
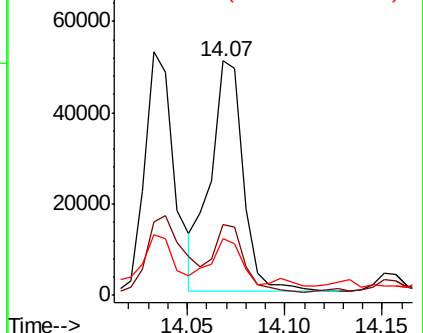
229 24.4 16.6 24.8



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: 3.195 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF118379.D

Acq: 28 Dec 2019 21:46

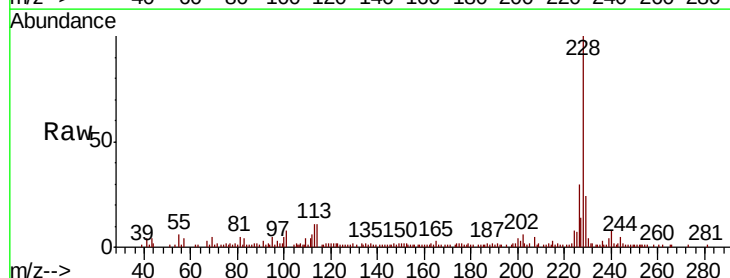
Tgt Ion:228 Resp: 59393

Ion Ratio Lower Upper

228 100

226 30.4 23.9 35.9

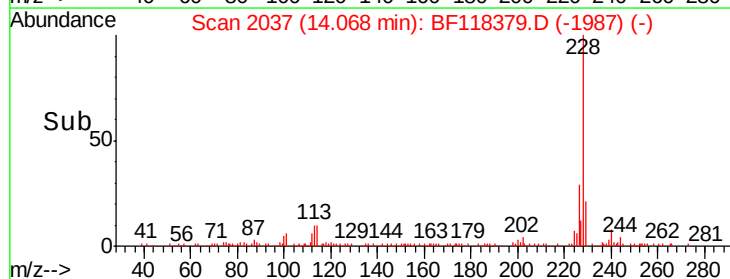
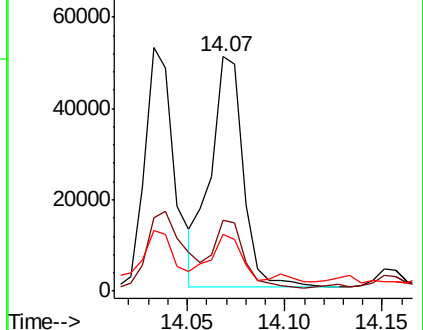
229 24.4 16.1 24.1#

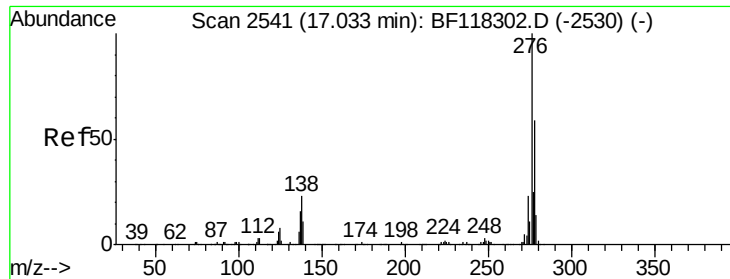


Abundance Ion 228.00 (227.70 to 228.70): E

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: 2.377 ng

RT: 17.05 min Scan# 2544

Delta R.T. 0.02 min

Lab File: BF118379.D

Acq: 28 Dec 2019 21:46

Instrument :

BNA_F

ClientSampleId :

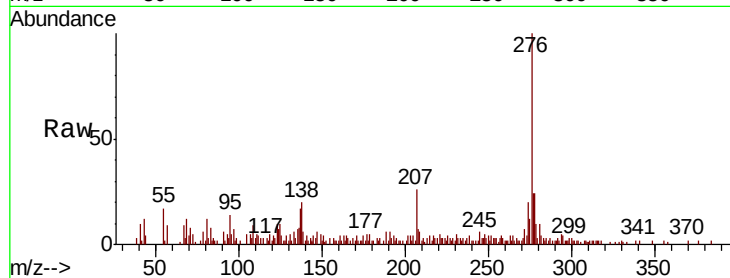
Tot Ion:276 Resp: 37658

Ion Ratio Lower Upper

276 100

138 21.9 19.5 29.3

277 23.1 20.6 30.8

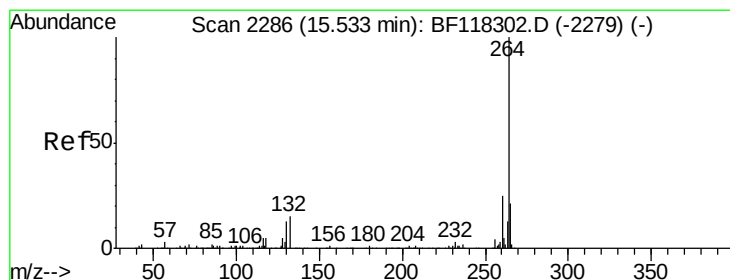
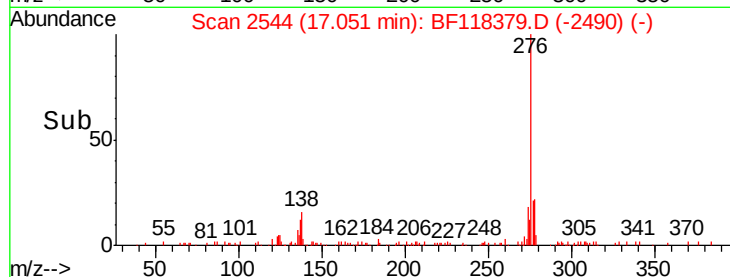
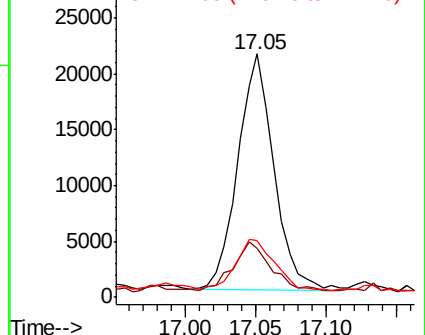


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF118379.D

Acq: 28 Dec 2019 21:46

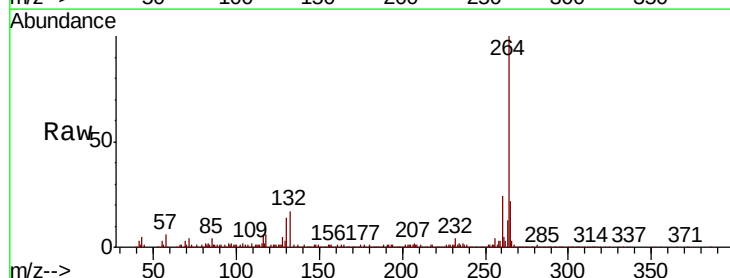
Tgt Ion:264 Resp: 326427

Ion Ratio Lower Upper

264 100

260 24.1 19.8 29.6

265 21.8 17.0 25.4

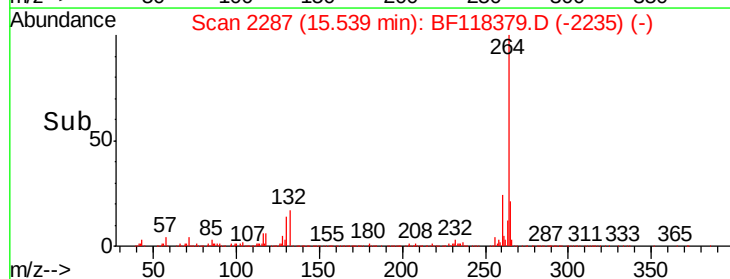
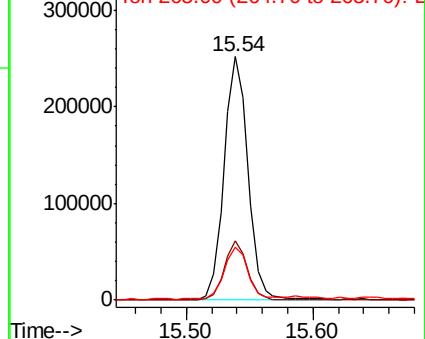


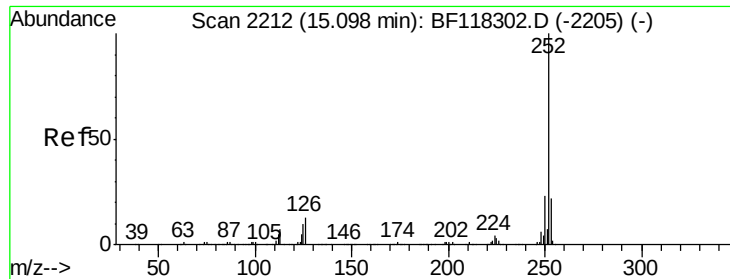
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

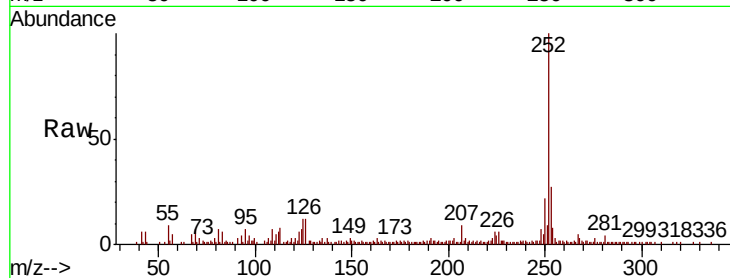




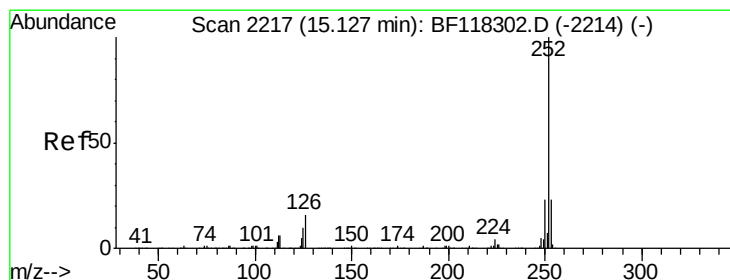
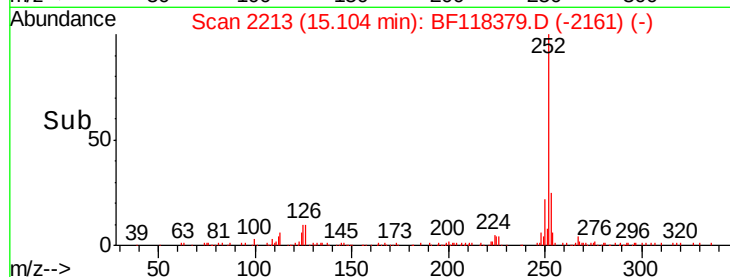
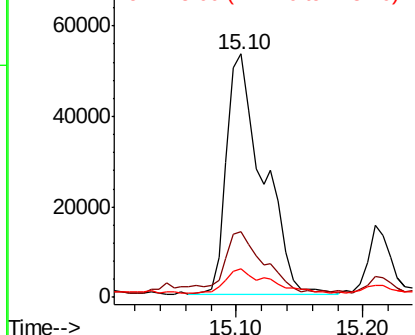
#88
Benzo(b)fluoranthene
Concen: 4.884 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.5	26.3#
125	11.7	7.7	11.5#

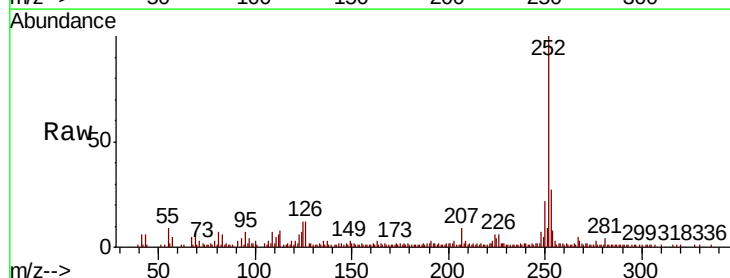


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

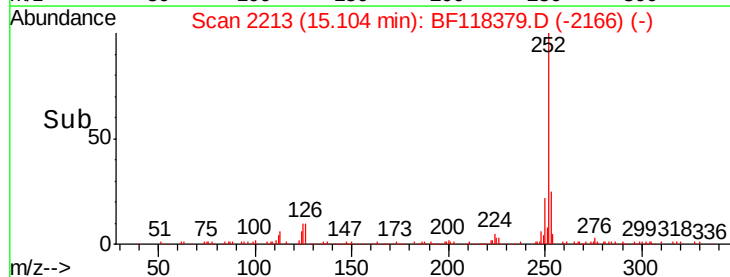
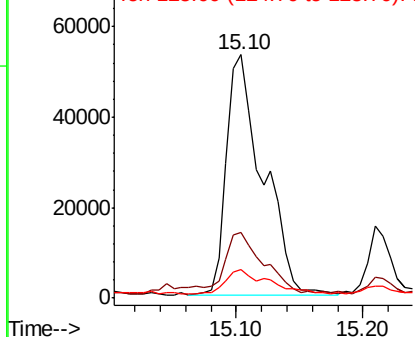


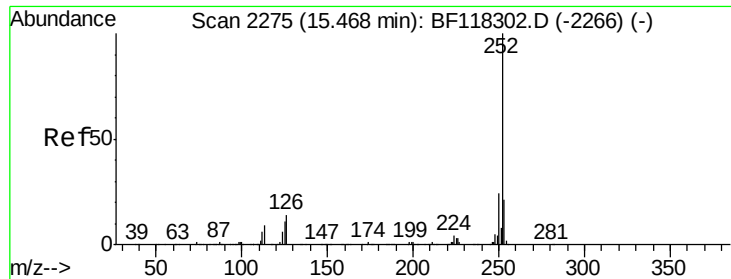
#89
Benzo(k)fluoranthene
Concen: 5.087 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	18.0	27.0#
125	11.7	8.0	12.0



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

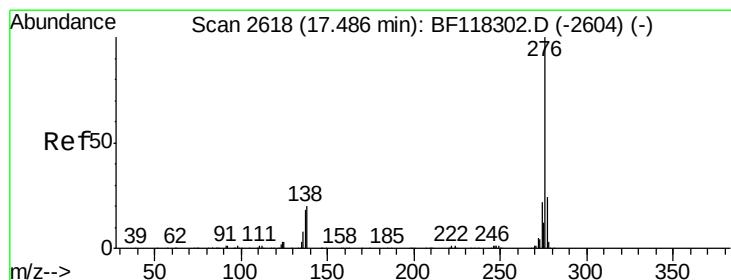
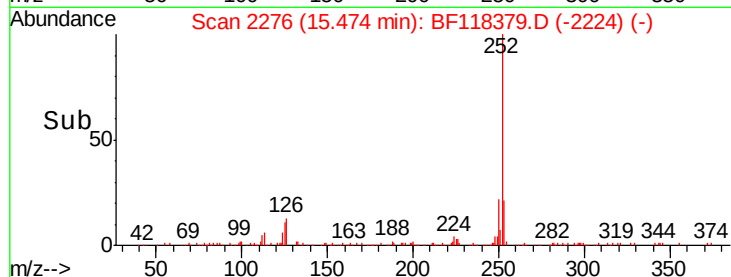
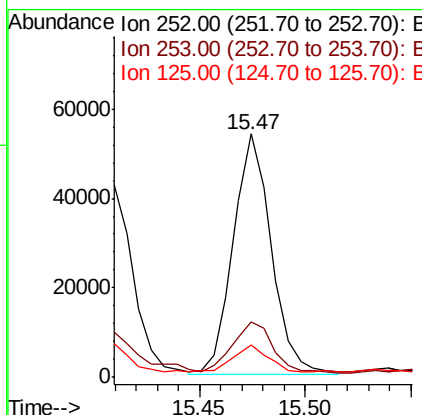
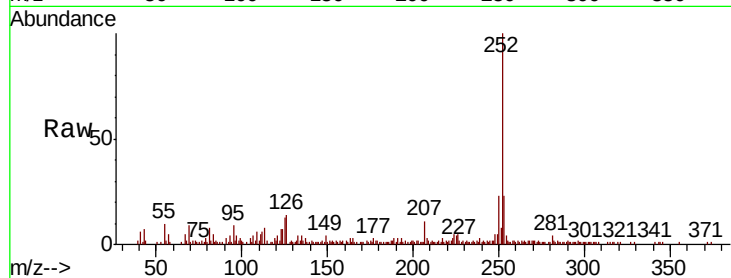




#90
Benzo(a)pyrene
Concen: 3.526 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	13.3	9.0	13.4



#92
Benzo(g,h,i)perylene
Concen: 2.460 ng
RT: 17.51 min Scan# 2622
Delta R.T. 0.02 min
Lab File: BF118379.D
Acq: 28 Dec 2019 21:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.3	19.1	28.7#
138	28.9	16.1	24.1#

