

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
 Data File : BF118387.D
 Acq On : 30 Dec 2019 18:09
 Operator : JU
 Sample : K6456-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 31 00:39:39 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	138014	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	537808	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	297200	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	579100	20.00	ng	0.00
76) Chrysene-d12	14.05	240	415997	20.00	ng	0.00
87) Perylene-d12	15.54	264	367823	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	742763	91.87	ng	0.01
7) Phenol-d6	6.49	99	940582	93.78	ng	0.00
23) Nitrobenzene-d5	7.42	82	570788	60.70	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	344353	93.82	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1211528	62.23	ng	0.00
79) Terphenyl-d14	12.99	244	1583370	63.15	ng	0.00

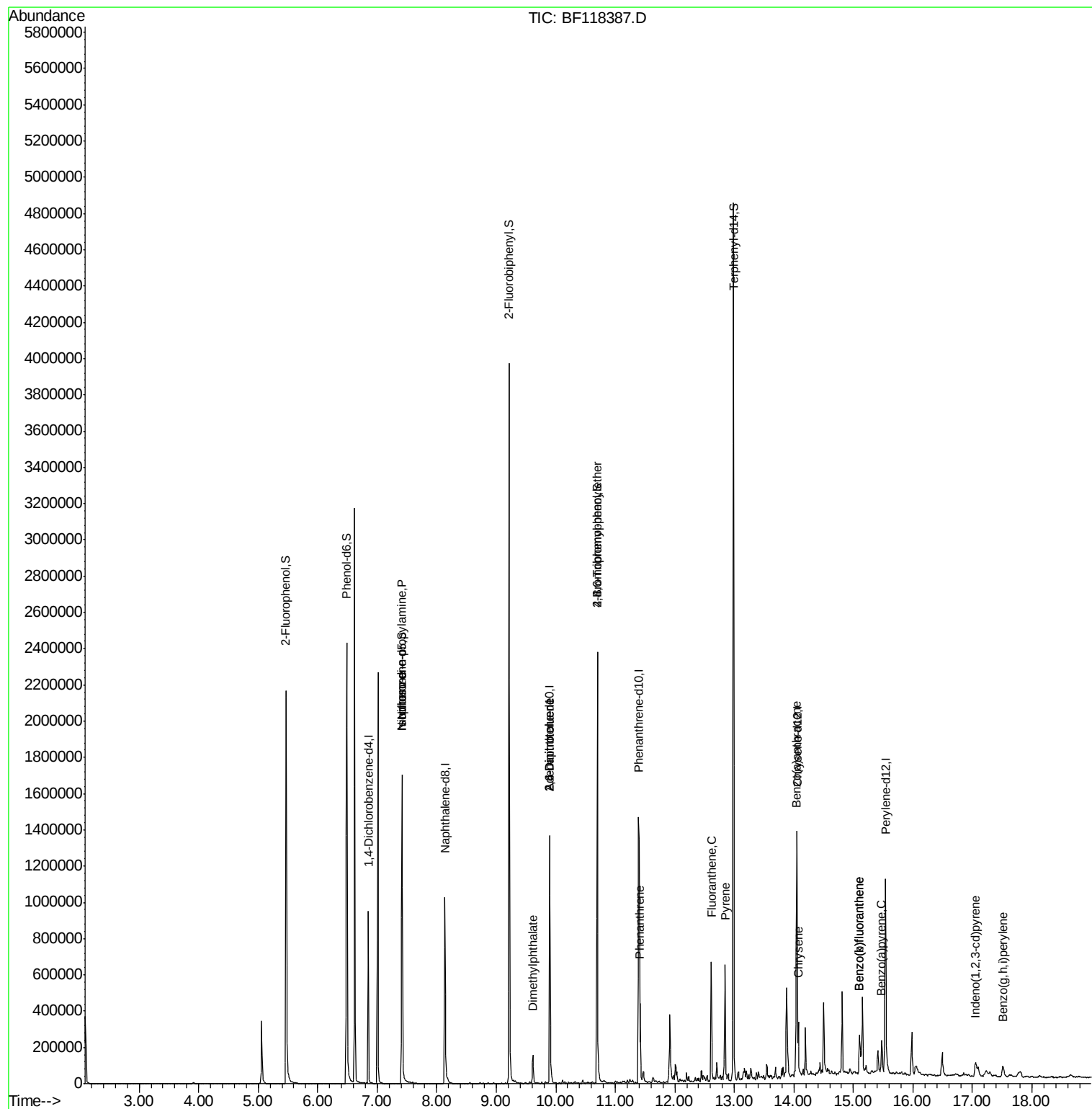
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	77120	12.481	ng	# 76
25) Isophorone	7.42	82	570785	34.830	ng	# 62
50) Dimethylphthalate	9.62	163	78484	3.518	ng	99
51) 2,6-Dinitrotoluene	9.90	165	38543	8.014	ng	# 27
57) 2,4-Dinitrotoluene	9.90	165	38543	5.997	ng	# 30
67) 4-Bromophenyl-phenylether	10.70	248	20387	3.008	ng	# 1
71) Phenanthrene	11.42	178	153490	4.862	ng	98
75) Fluoranthene	12.62	202	267738	8.403	ng	99
78) Pyrene	12.85	202	257462	7.579	ng	99
81) Benzo(a)anthracene	14.04	228	124868	4.288	ng	99
83) Chrysene	14.07	228	101536	3.642	ng	97
86) Indeno(1,2,3-cd)pyrene	17.05	276	52817	2.223	ng	94
88) Benzo(b)fluoranthene	15.10	252	156762	6.420	ng	98
89) Benzo(k)fluoranthene	15.10	252	156762	6.687	ng	98
90) Benzo(a)pyrene	15.47	252	85817	3.990	ng	97
92) Benzo(g,h,i)perylene	17.51	276	50413	2.796	ng	97

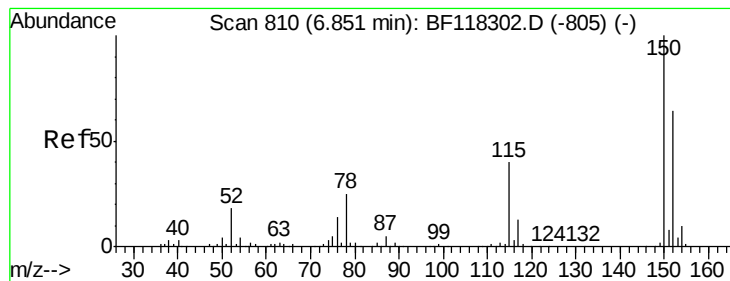
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF118387.D

Acq: 30 Dec 2019 18:09

Instrument :

BNA_F

ClientSampleId :

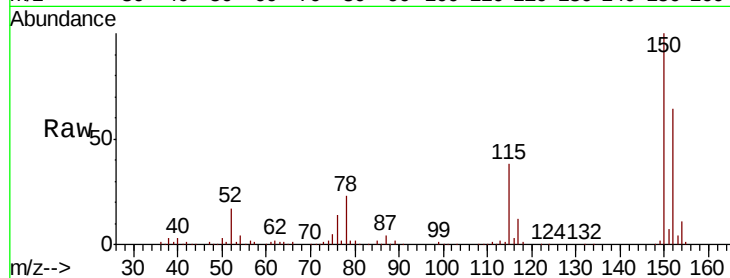
Tot Ion:152 Resp: 138014

Ion Ratio Lower Upper

152 100

150 156.0 125.4 188.2

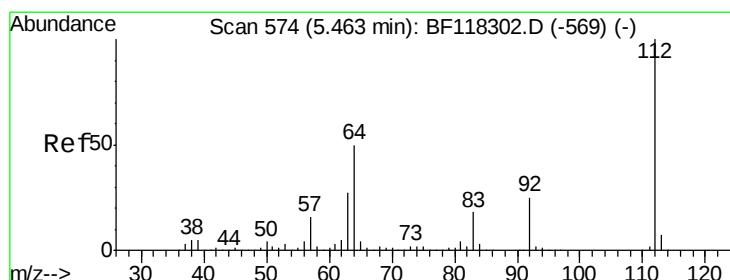
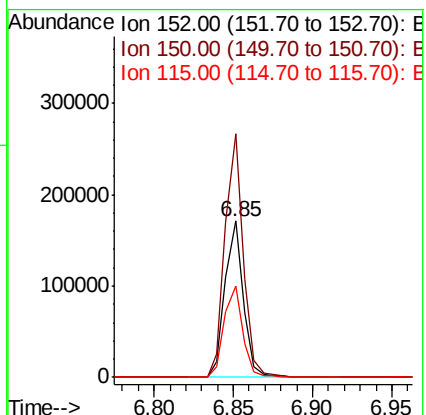
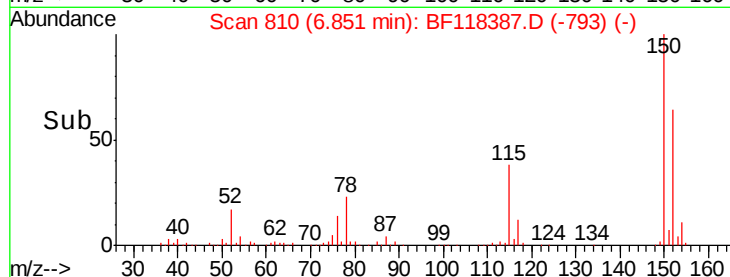
115 58.8 50.2 75.4



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: 91.867 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF118387.D

Acq: 30 Dec 2019 18:09

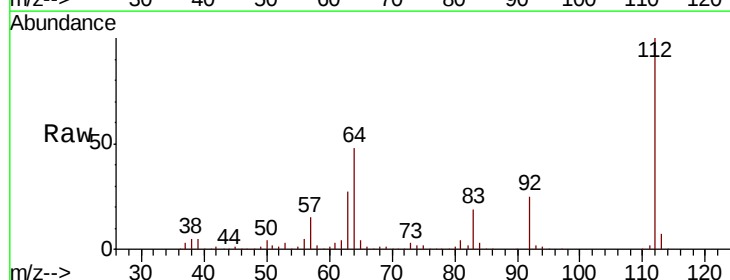
Tgt Ion:112 Resp: 742763

Ion Ratio Lower Upper

112 100

64 48.3 39.7 59.5

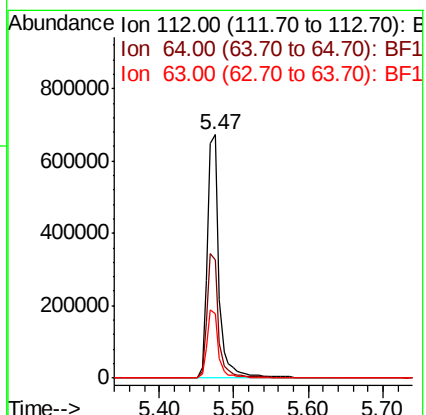
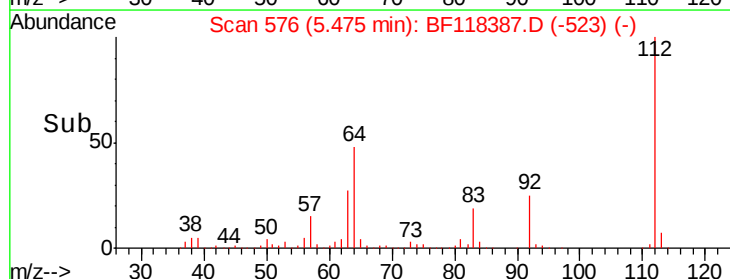
63 26.7 21.7 32.5

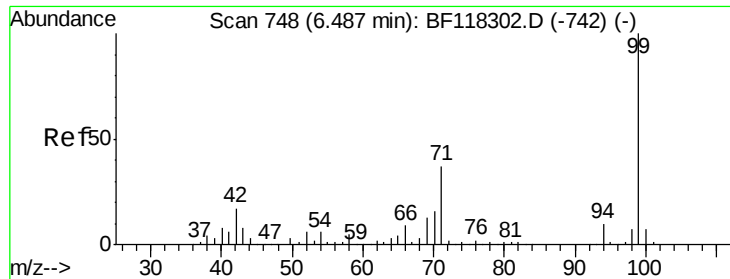


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 93.777 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF118387.D

Acq: 30 Dec 2019 18:09

Instrument :

BNA_F

ClientSampled :

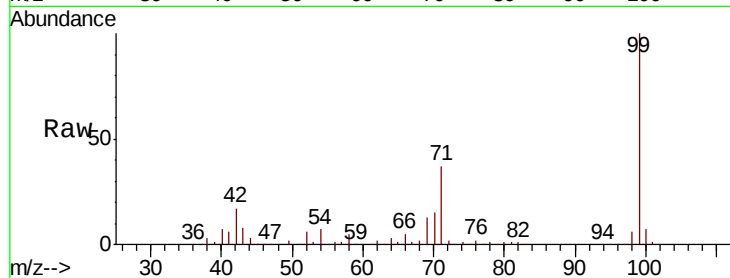
Tot Ion: 99 Resp: 940582

Ion Ratio Lower Upper

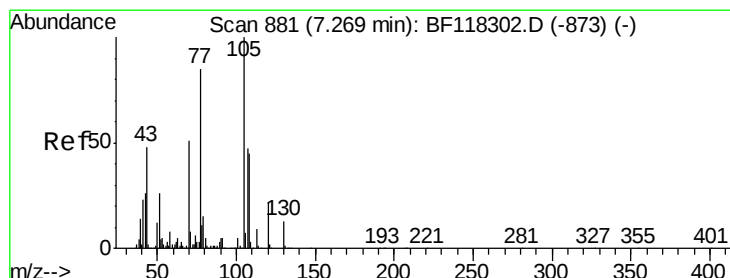
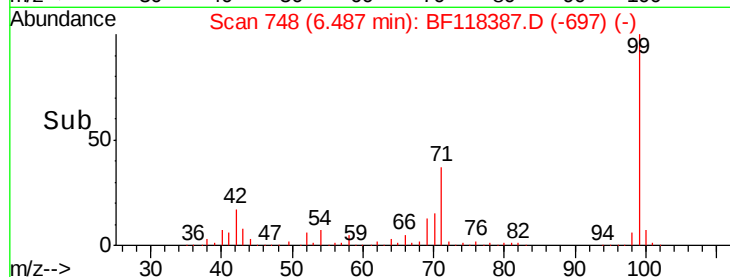
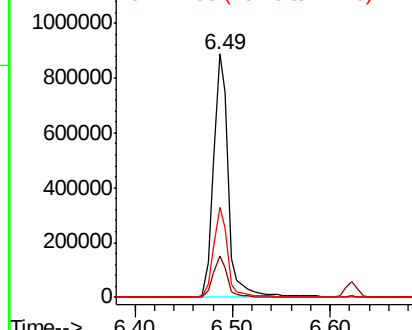
99 100

42 17.0 13.5 20.3

71 37.0 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: 12.481 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF118387.D

Acq: 30 Dec 2019 18:09

Tgt Ion: 70 Resp: 77120

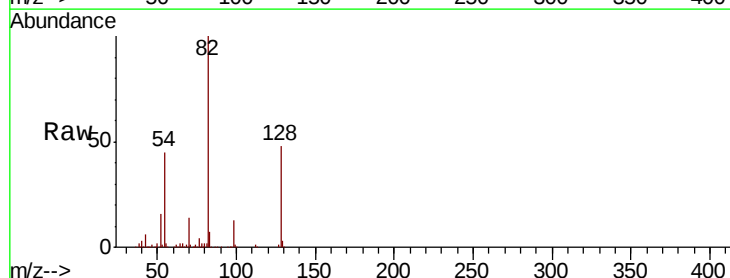
Ion Ratio Lower Upper

70 100

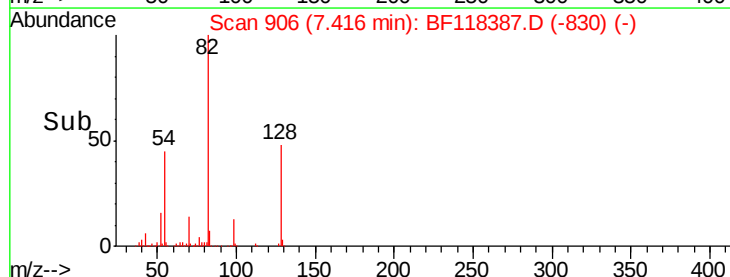
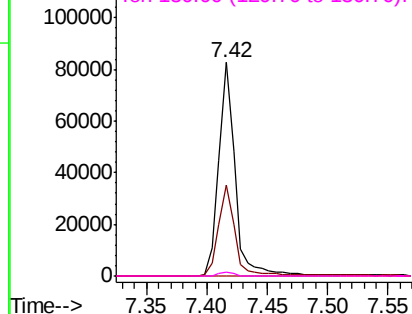
42 42.4 41.1 61.7

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

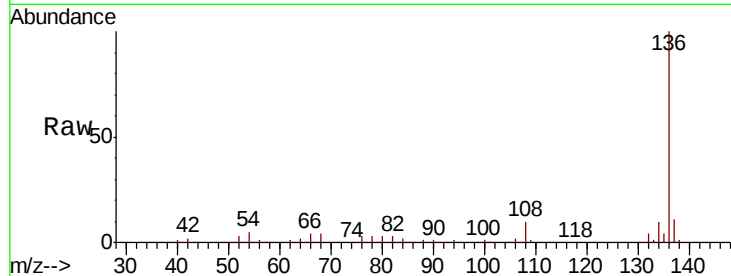




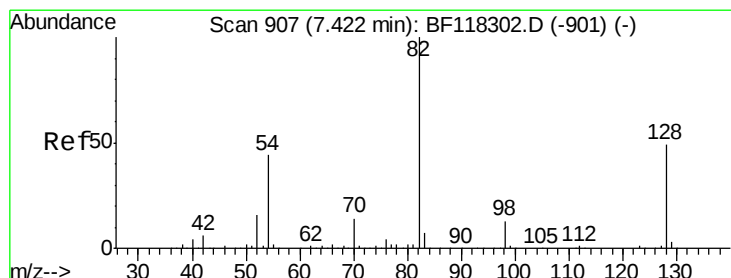
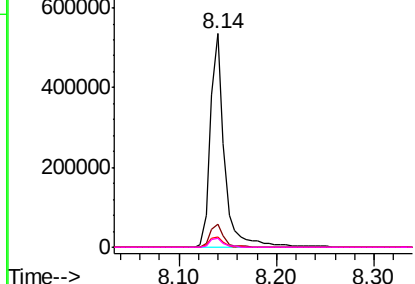
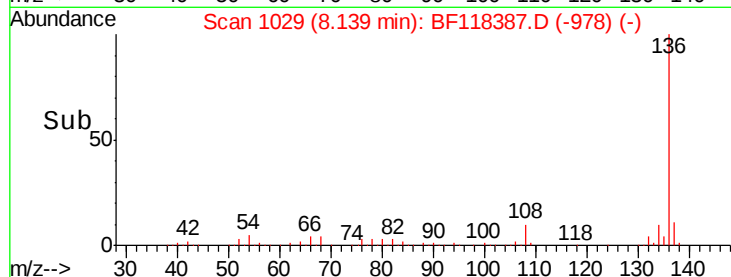
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	537808
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	5.1	4.2 6.4
68	4.4	3.5 5.3

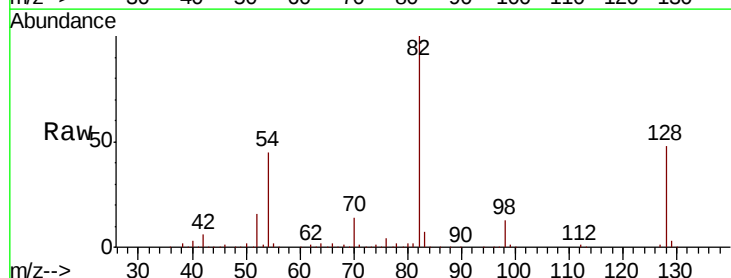


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

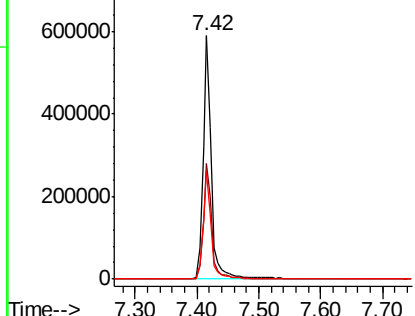
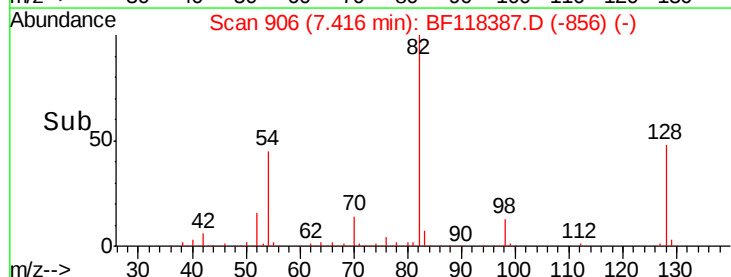


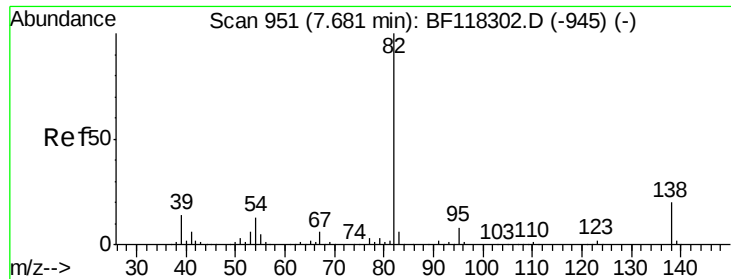
#23
Nitrobenzene-d5
Concen: 60.702 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Tgt Ion: 82	Resp:	570788
Ion Ratio	Lower	Upper
82	100	
128	47.6	39.6 59.4
54	44.6	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: 34.830 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118387.D

Acq: 30 Dec 2019 18:09

Instrument :

BNA_F

ClientSampleId :

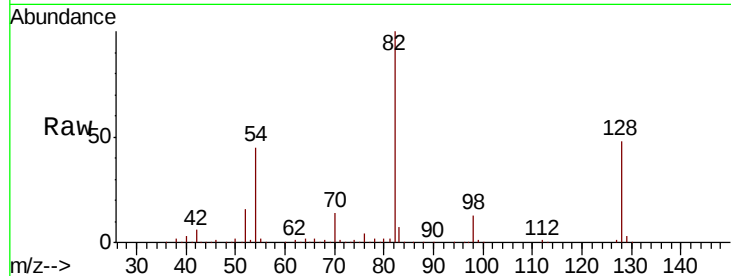
Tot Ion: 82 Resp: 570785

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

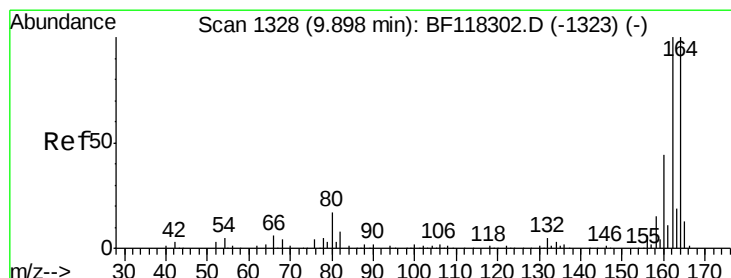
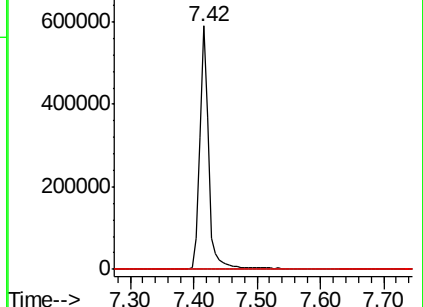
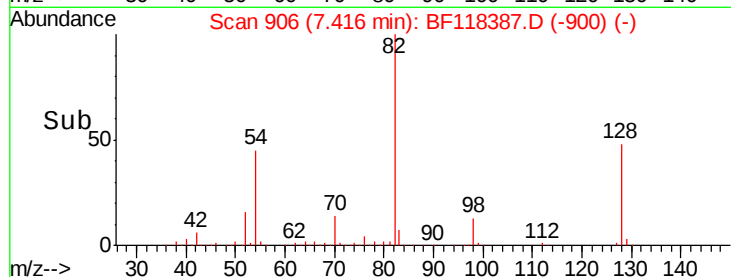
138 0.0 16.2 24.2#



Abundance Ion 82.00 (81.70 to 82.70): BF118387.D (-900) (-)

Ion 95.00 (94.70 to 95.70): BF118387.D (-900) (-)

Ion 138.00 (137.70 to 138.70): BF118387.D (-900) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF118387.D

Acq: 30 Dec 2019 18:09

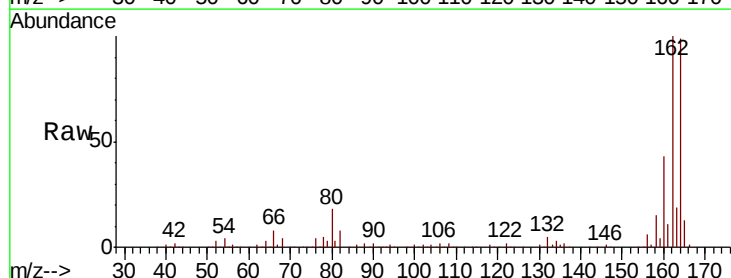
Tgt Ion: 164 Resp: 297200

Ion Ratio Lower Upper

164 100

162 101.5 80.0 120.0

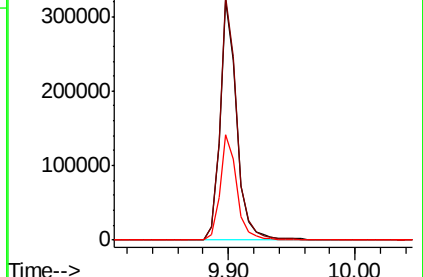
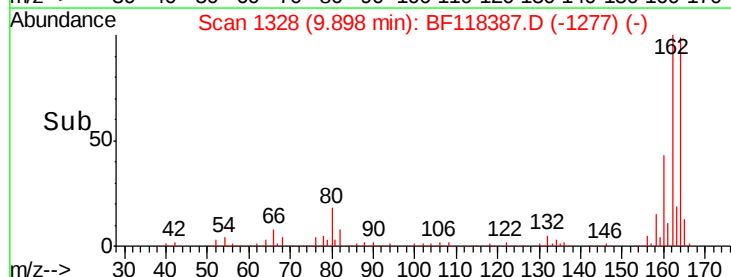
160 44.0 34.8 52.2

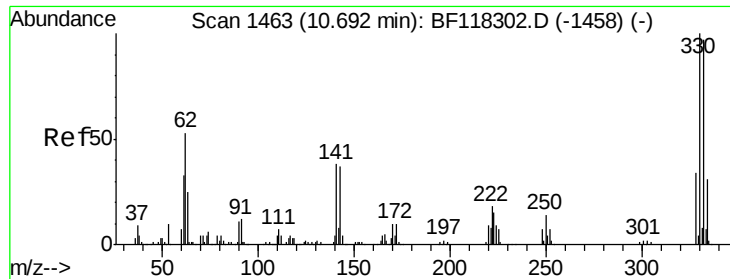


Abundance Ion 164.00 (163.70 to 164.70): BF118387.D (-1277) (-)

Ion 162.00 (161.70 to 162.70): BF118387.D (-1277) (-)

Ion 160.00 (159.70 to 160.70): BF118387.D (-1277) (-)

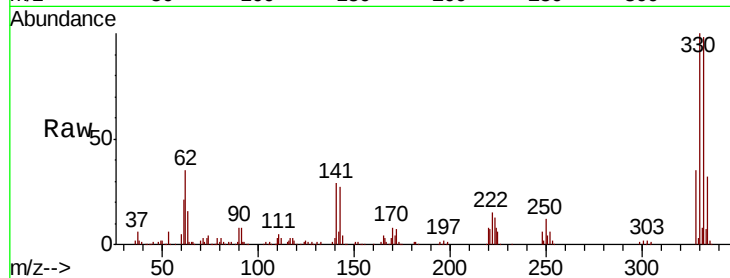




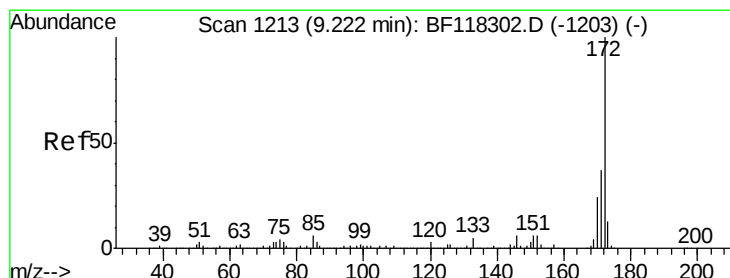
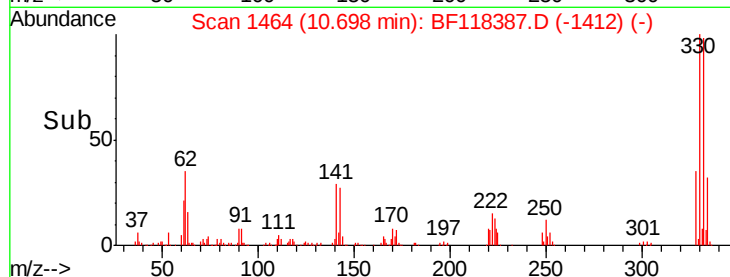
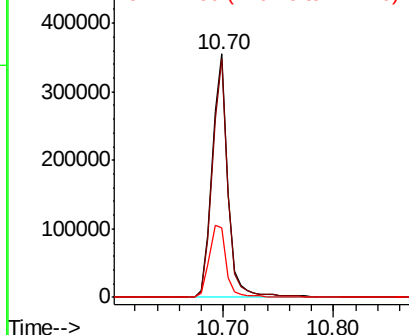
#42
 2,4,6-Tribromophenol
 Concen: 93.824 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118387.D
 Acq: 30 Dec 2019 18:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 344353
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 114.8
 141 32.7 26.0 39.0

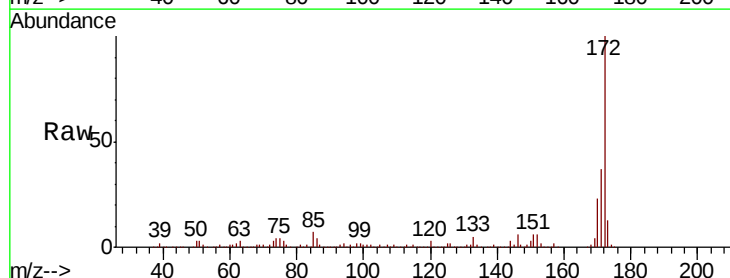


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

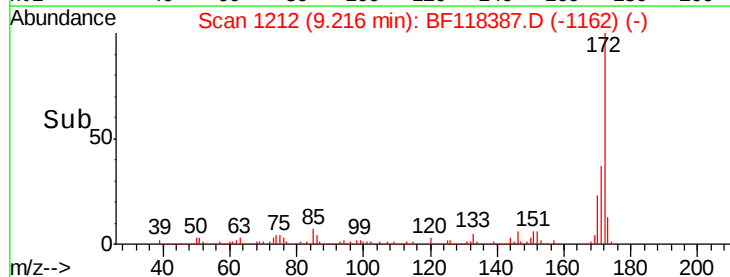
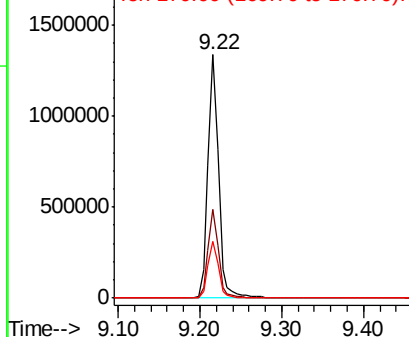


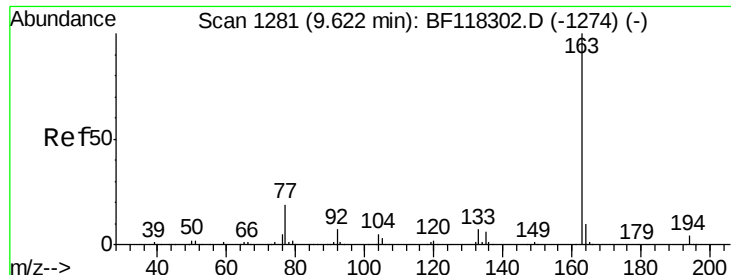
#45
 2-Fluorobiphenyl
 Concen: 62.226 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118387.D
 Acq: 30 Dec 2019 18:09

Tgt Ion:172 Resp: 1211528
 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

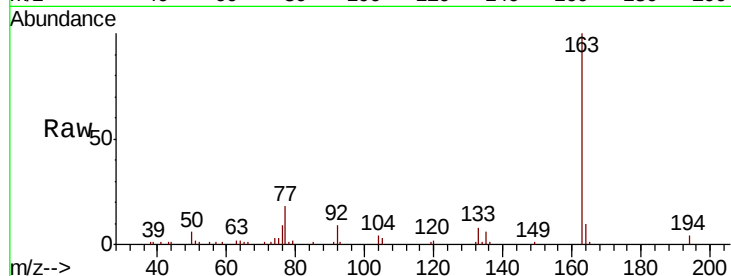




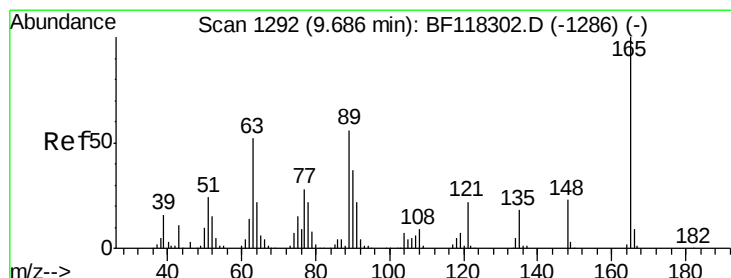
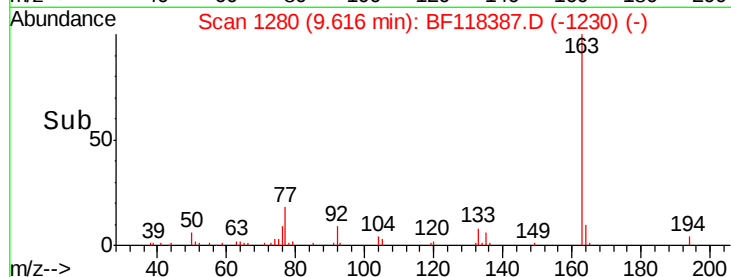
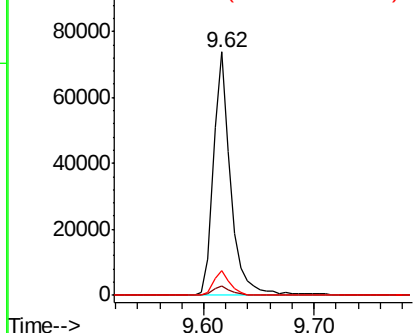
#50
Dimethylphthalate
Concen: 3.518 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 78484
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 10.2 7.9 11.9

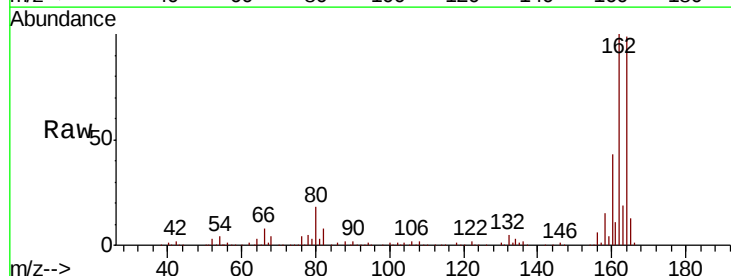


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

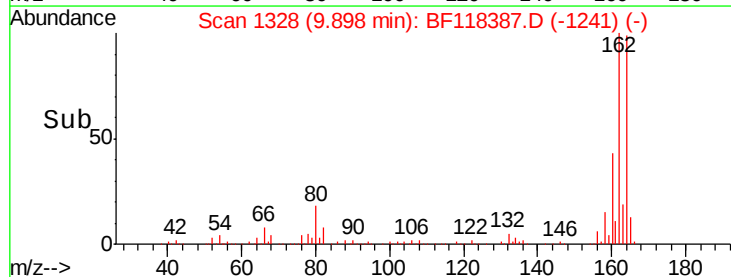
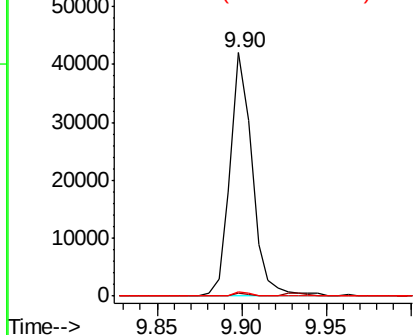


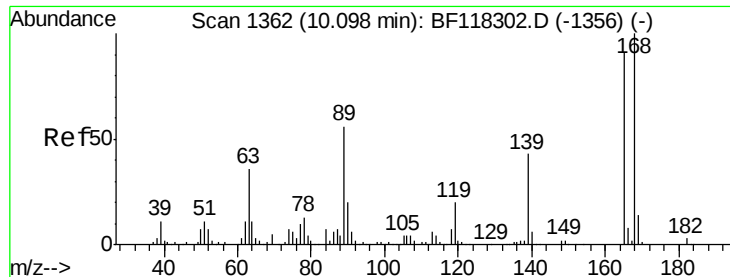
#51
2,6-Dinitrotoluene
Concen: 8.014 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Tgt Ion:165 Resp: 38543
Ion Ratio Lower Upper
165 100
63 1.4 42.2 63.4#
89 1.6 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

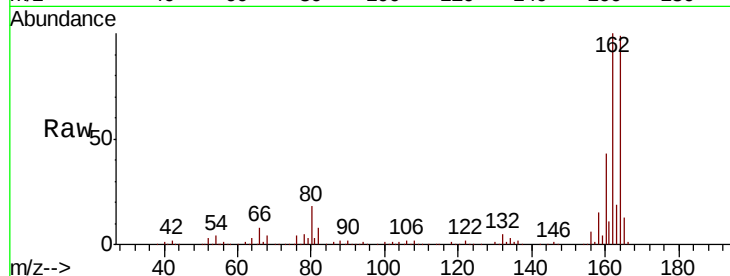




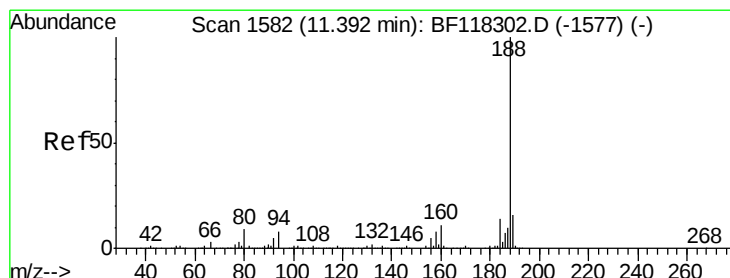
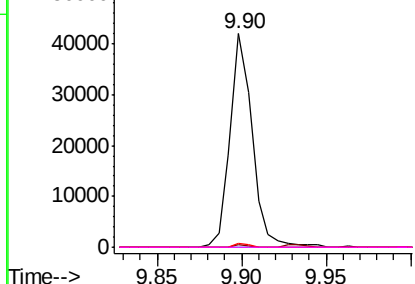
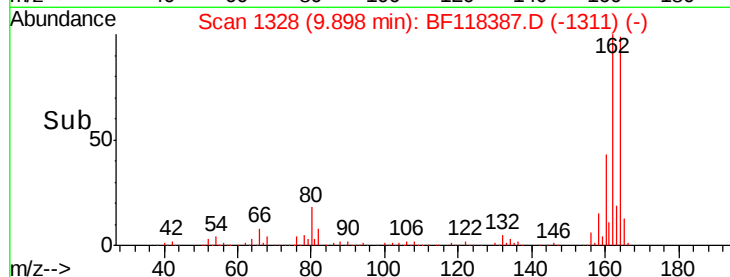
#57
 2,4-Dinitrotoluene
 Concen: 5.997 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF118387.D
 Acq: 30 Dec 2019 18:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	32.0	48.0#
89	1.6	49.3	73.9#
182	0.0	2.4	3.6#

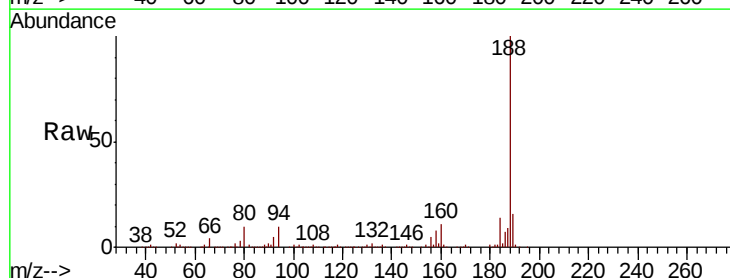


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

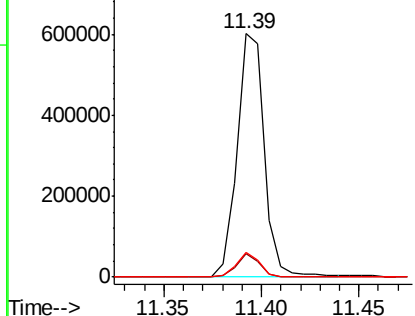
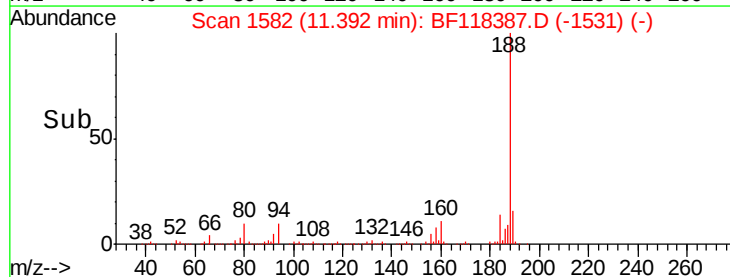


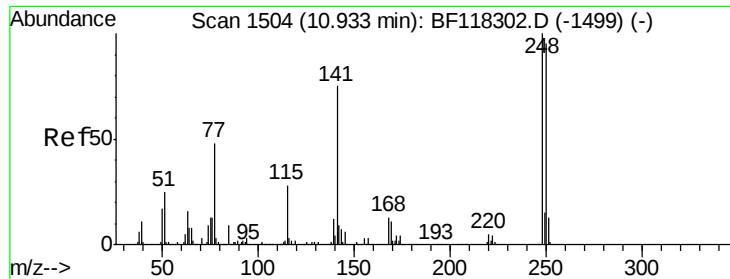
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: BF118387.D
 Acq: 30 Dec 2019 18:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	6.7	10.1
80	10.0	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

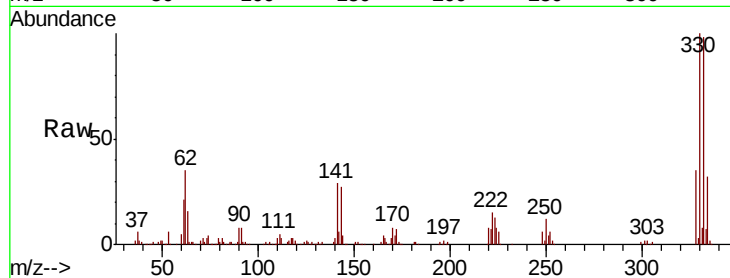




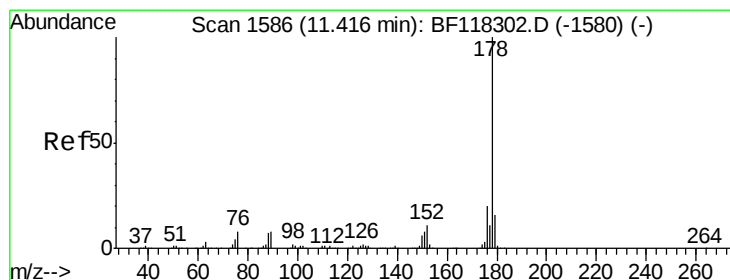
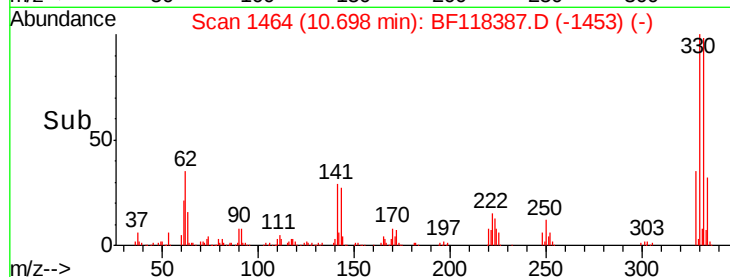
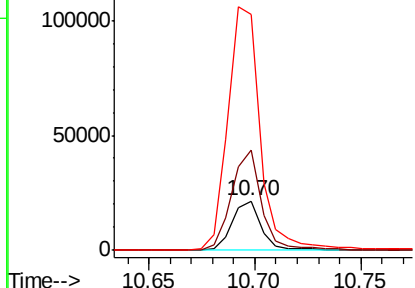
#67
4-Bromophenyl-phenylether
Concen: 3.008 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 20387
Ion Ratio Lower Upper
248 100
250 202.6 76.4 114.6#
141 478.1 60.2 90.2#

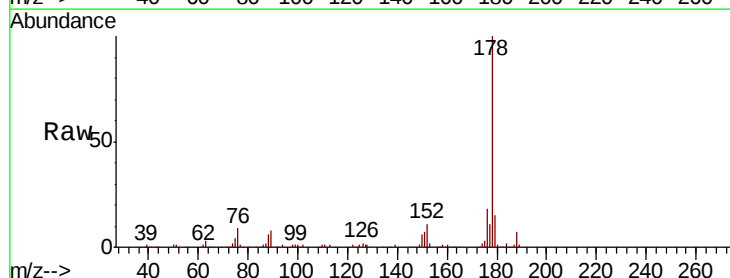


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

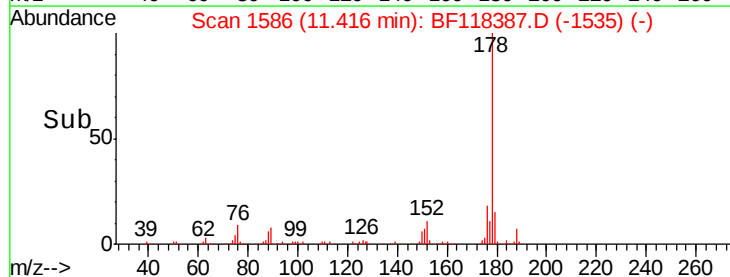
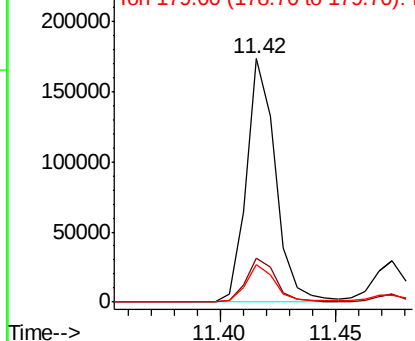


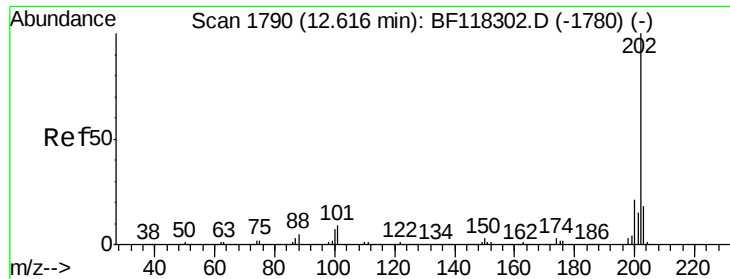
#71
Phenanthrene
Concen: 4.862 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Tgt Ion:178 Resp: 153490
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 15.3 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: 8.403 ng

RT: 12.62 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BF118387.D

Acq: 30 Dec 2019 18:09

Instrument :

BNA_F

ClientSampleId :

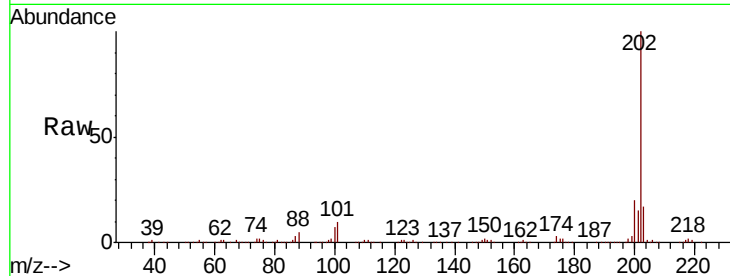
Tot Ion:202 Resp: 267738

Ion Ratio Lower Upper

202 100

101 9.8 0.0 29.5

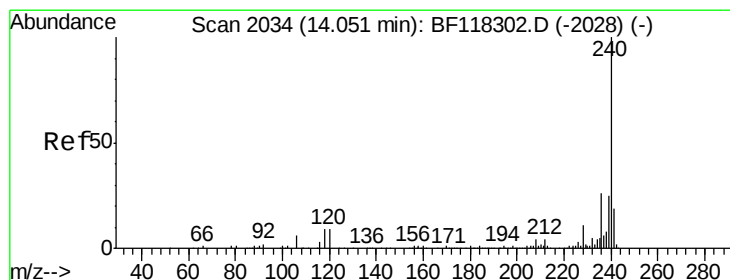
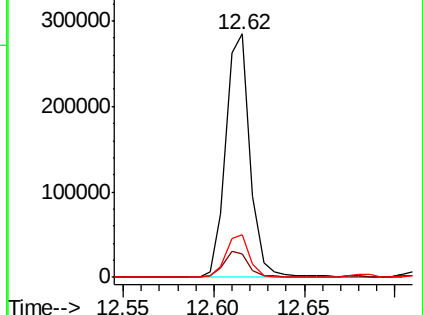
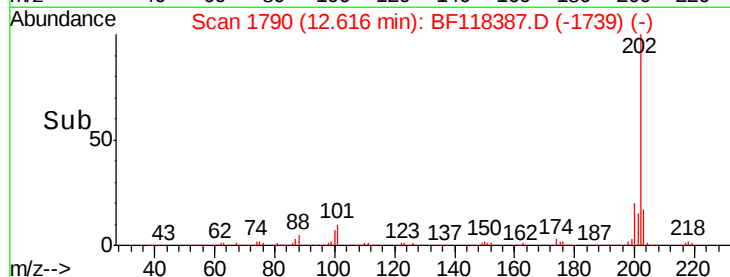
203 17.4 0.0 37.6



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: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF118387.D

Acq: 30 Dec 2019 18:09

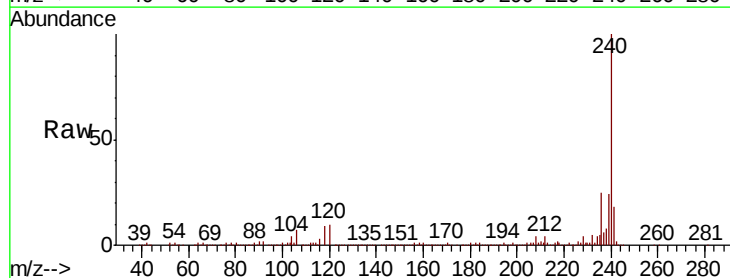
Tgt Ion:240 Resp: 415997

Ion Ratio Lower Upper

240 100

120 9.7 7.1 10.7

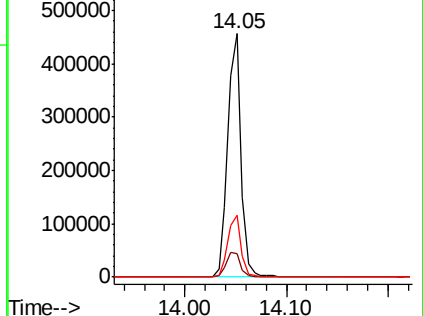
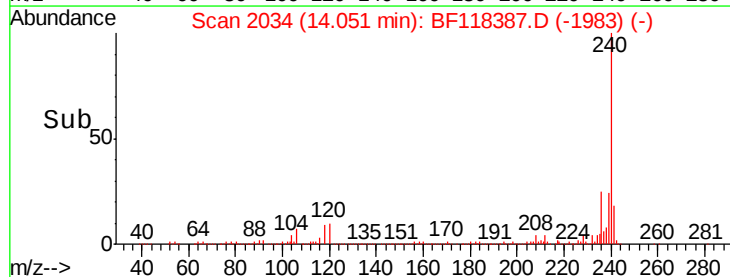
236 25.3 21.0 31.6

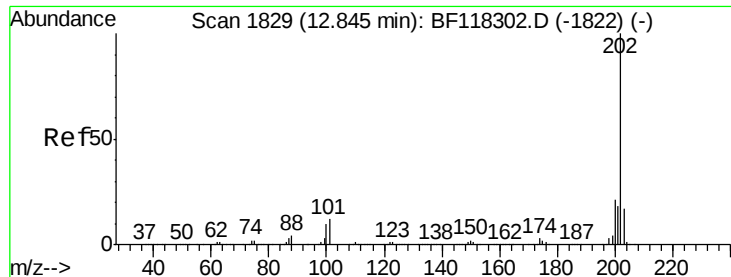


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

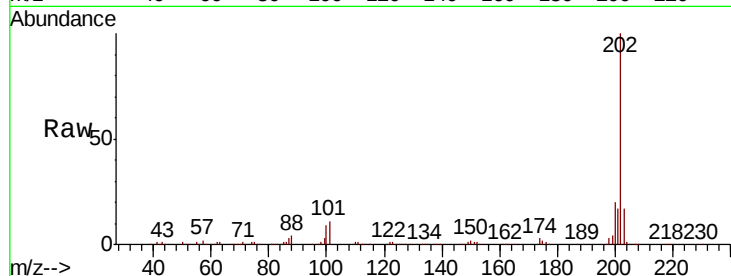




#78
Pvrene
Concen: 7.579 ng
RT: 12.85 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.8	25.2
203	17.0	13.9	20.9

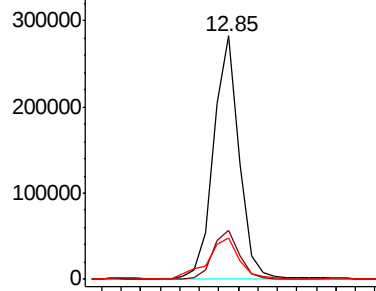


Abundance

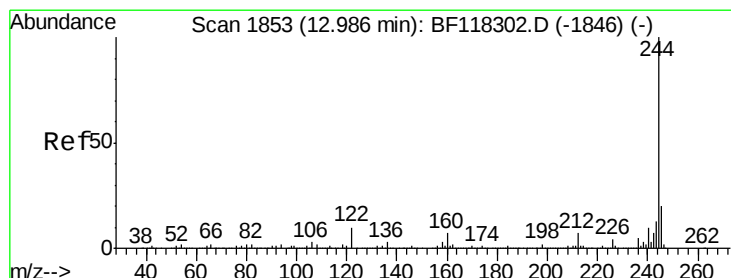
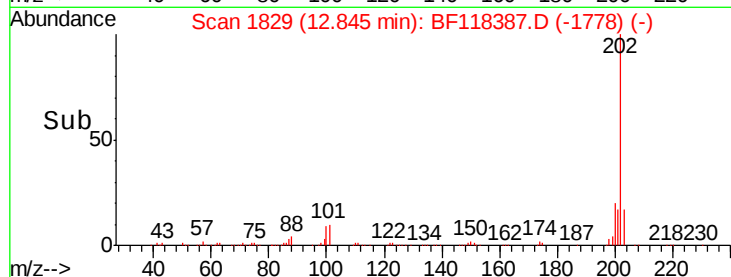
Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

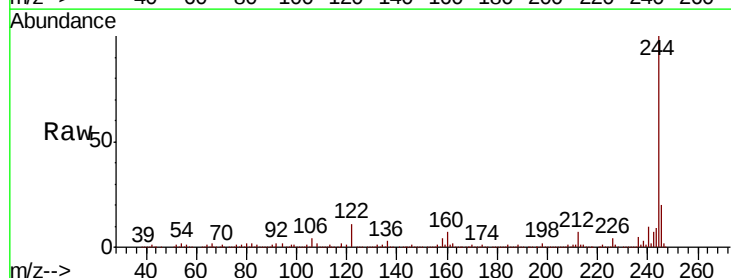


Time-->



#79
Terphenyl-d14
Concen: 63.146 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	11.3	7.8	11.8

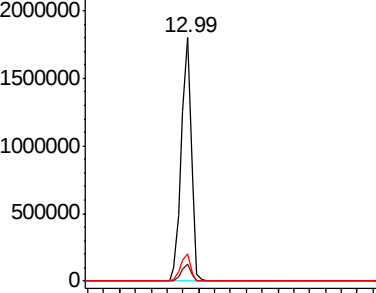


Abundance

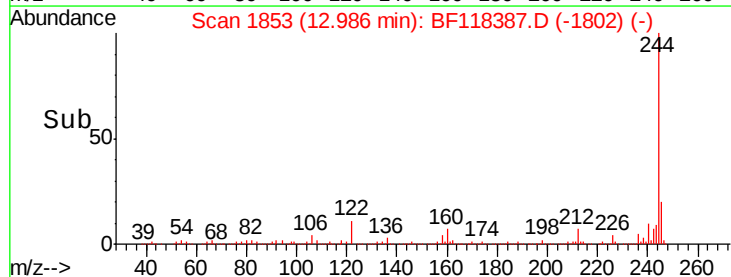
Ion 244.00 (243.70 to 244.70): E

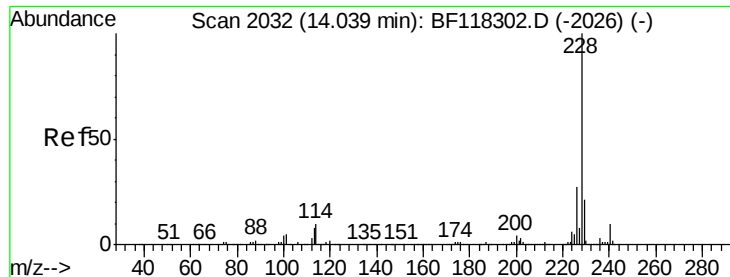
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

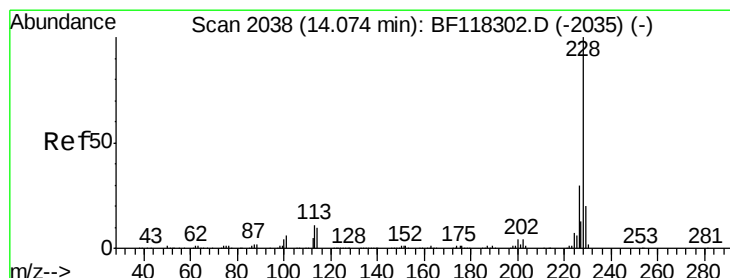
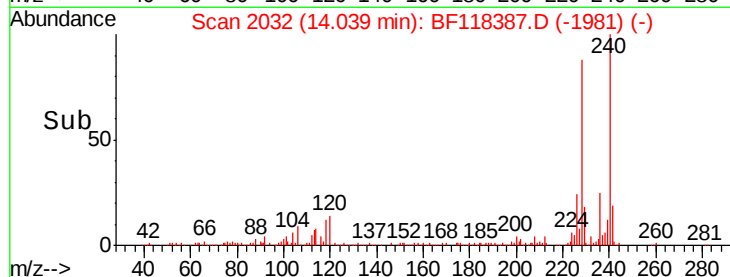
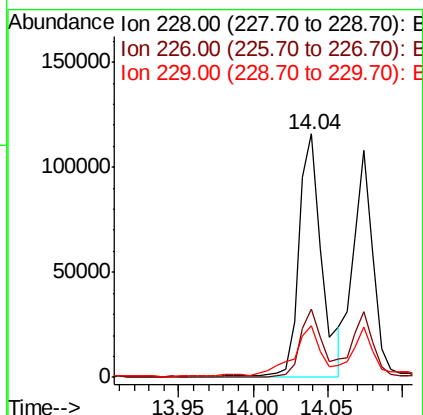
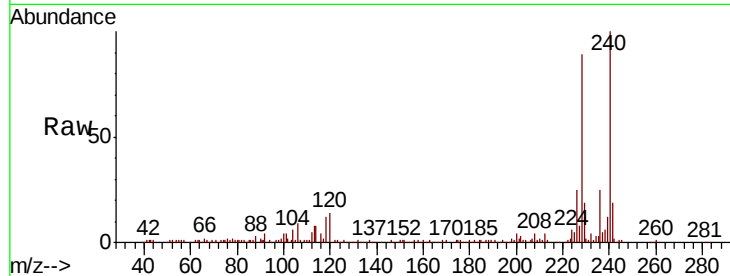




#81
Benzo(a)anthracene
Concen: 4.288 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

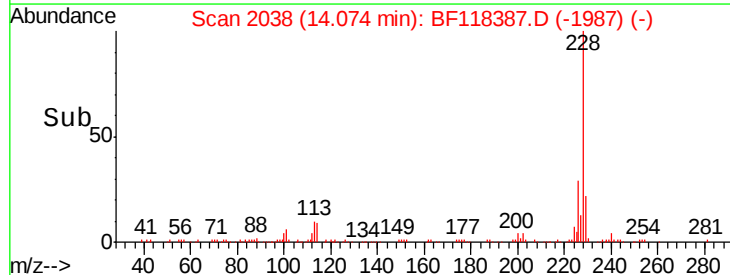
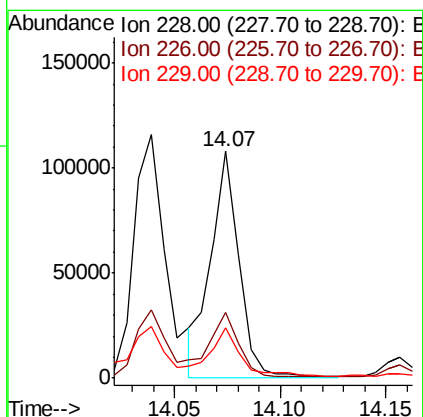
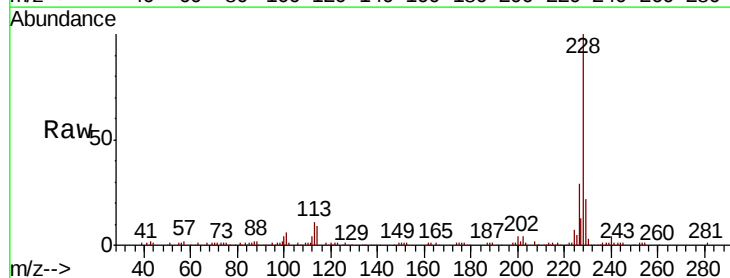
Instrument :
BNA_F
ClientSampleId :

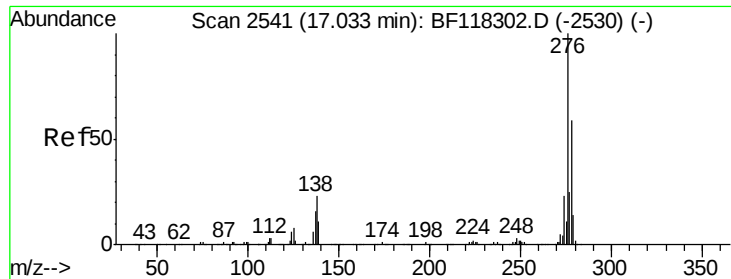
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.0	33.0
229	21.0	16.6	24.8



#83
Chrysene
Concen: 3.642 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.9	35.9
229	22.4	16.1	24.1

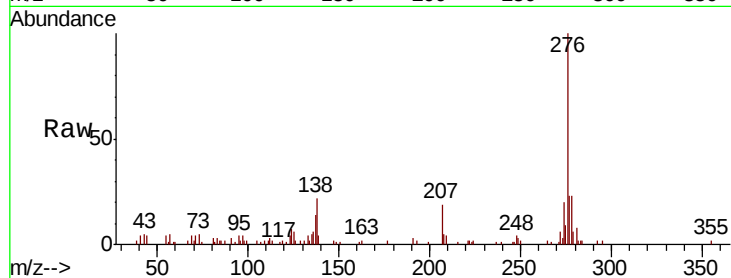




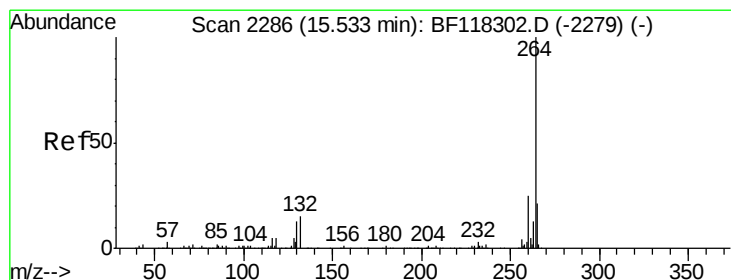
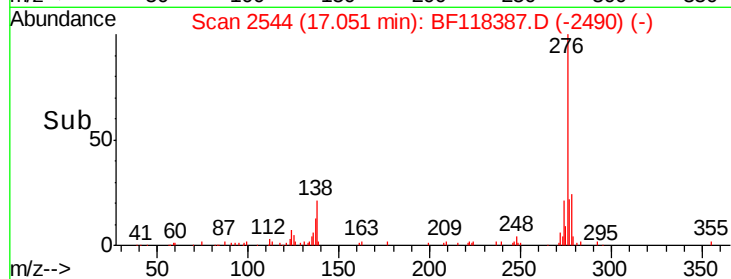
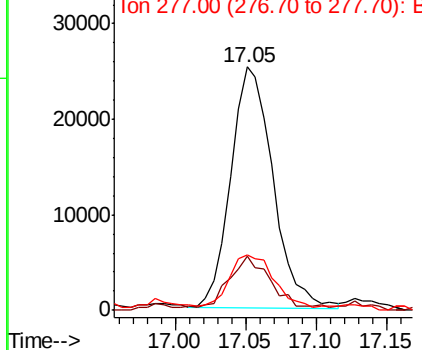
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.223 ng
 RT: 17.05 min Scan# 2544
 Delta R.T. 0.02 min
 Lab File: BF118387.D
 Acq: 30 Dec 2019 18:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 52817
 Ion Ratio Lower Upper
 276 100
 138 20.7 19.5 29.3
 277 22.9 20.6 30.8

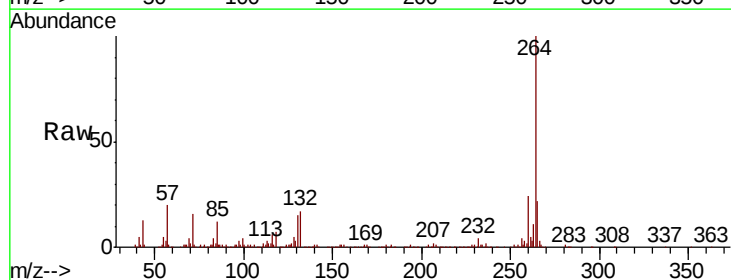


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

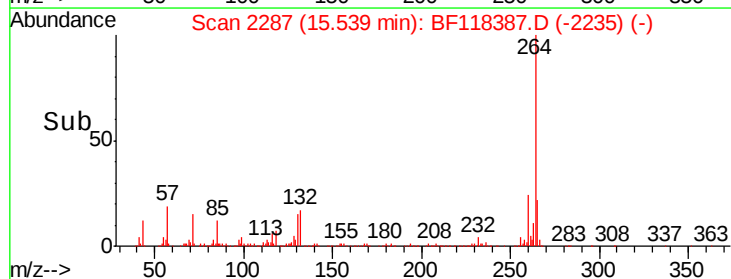
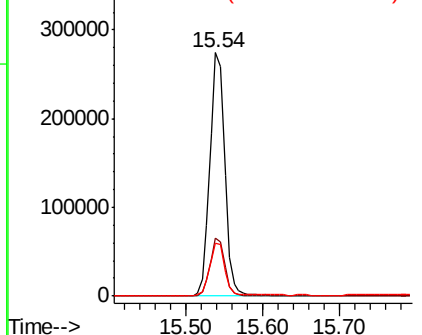


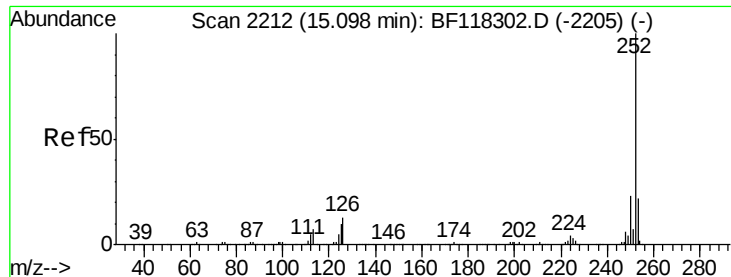
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF118387.D
 Acq: 30 Dec 2019 18:09

Tgt Ion:264 Resp: 367823
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.8 29.6
 265 21.9 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

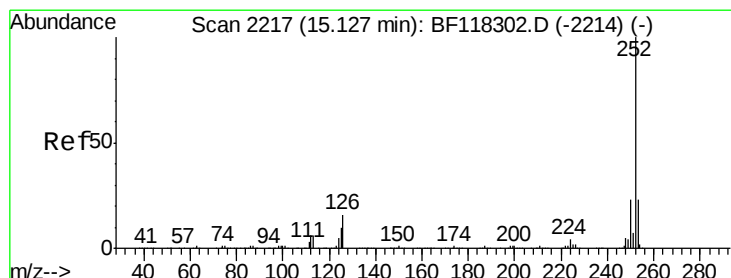
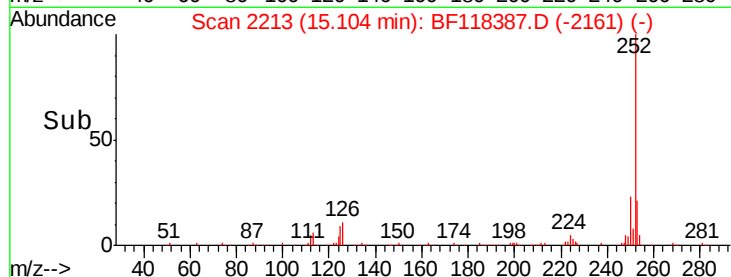
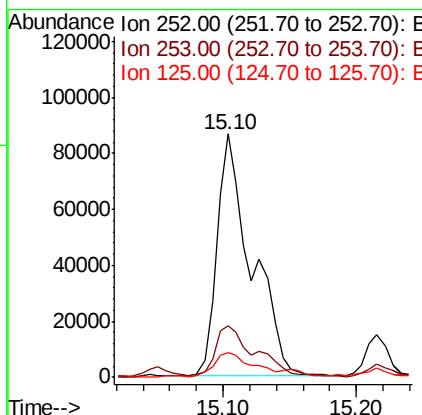
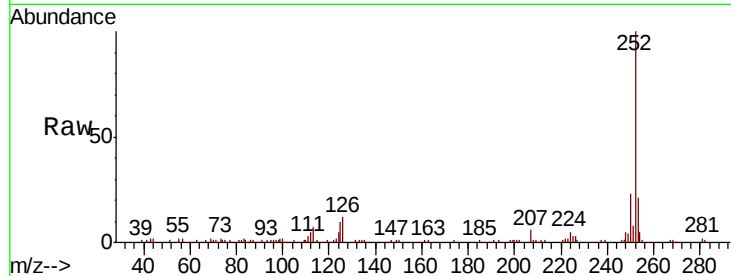




#88
Benzo(b)fluoranthene
Concen: 6.420 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

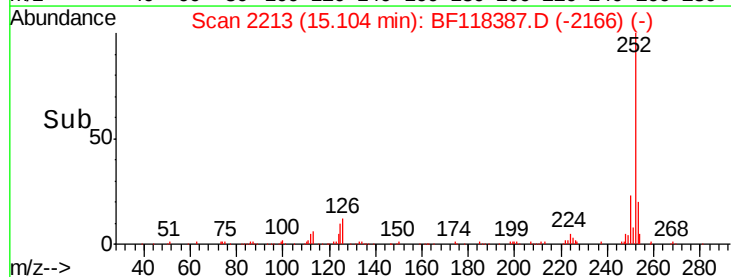
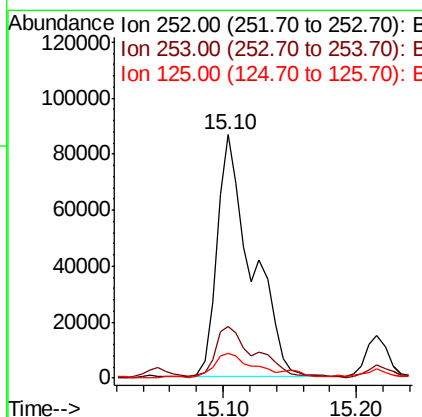
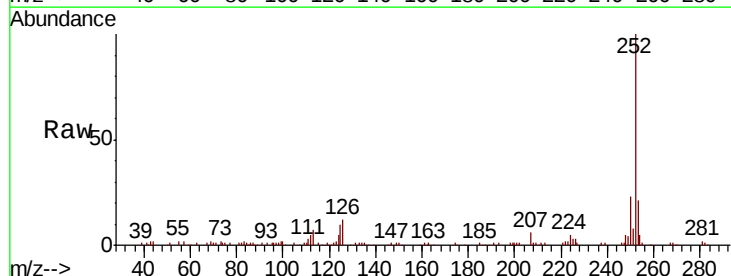
Instrument :
BNA_F
ClientSampleId :

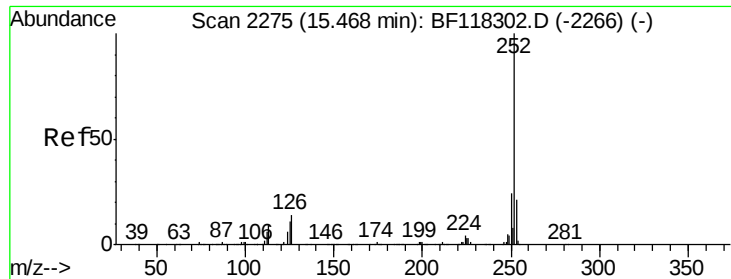
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.5	26.3
125	10.1	7.7	11.5



#89
Benzo(k)fluoranthene
Concen: 6.687 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.0	27.0
125	10.1	8.0	12.0

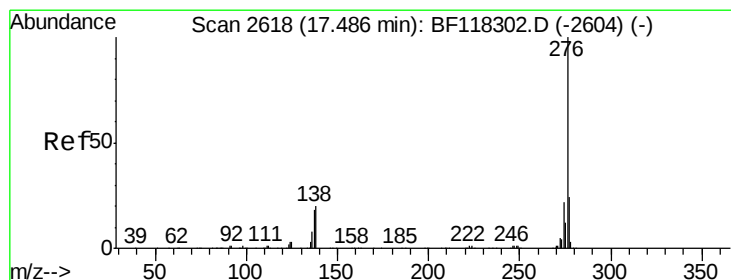
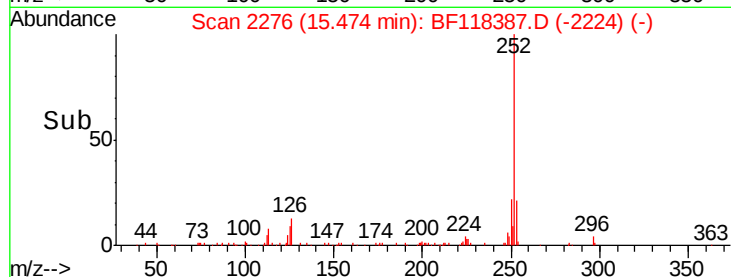
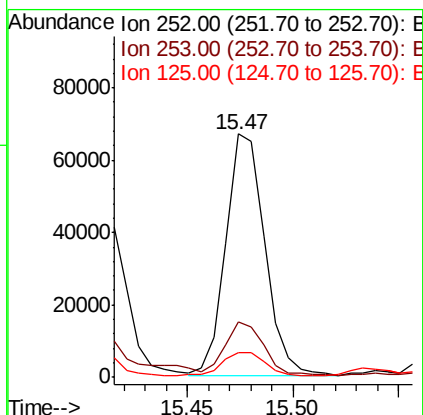
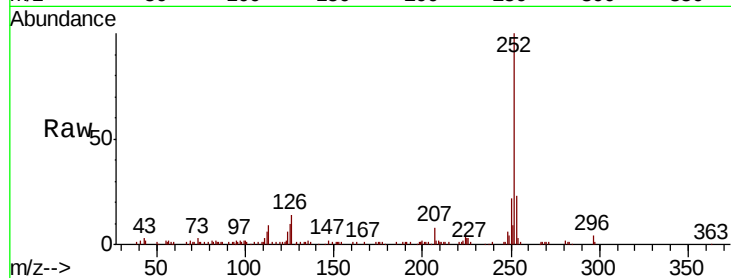




#90
Benzo(a)pyrene
Concen: 3.990 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 85817
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 10.2 9.0 13.4



#92
Benzo(g,h,i)perylene
Concen: 2.796 ng
RT: 17.51 min Scan# 2622
Delta R.T. 0.02 min
Lab File: BF118387.D
Acq: 30 Dec 2019 18:09

Tgt Ion:276 Resp: 50413
Ion Ratio Lower Upper
276 100
277 25.0 19.1 28.7
138 21.7 16.1 24.1

