

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
 Data File : BF118408.D
 Acq On : 31 Dec 2019 16:34
 Operator : JU
 Sample : K6465-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 01 00:34:14 2020
 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	81247	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	336989	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	180679	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	326955	20.00	ng	0.00
76) Chrysene-d12	14.05	240	220468	20.00	ng	0.00
87) Perylene-d12	15.54	264	220106	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	482920	101.46	ng	0.01
7) Phenol-d6	6.49	99	578543	97.98	ng	0.00
23) Nitrobenzene-d5	7.42	82	387090	65.70	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	215845	96.74	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	694442	58.67	ng	0.00
79) Terphenyl-d14	12.99	244	773103	58.18	ng	0.00

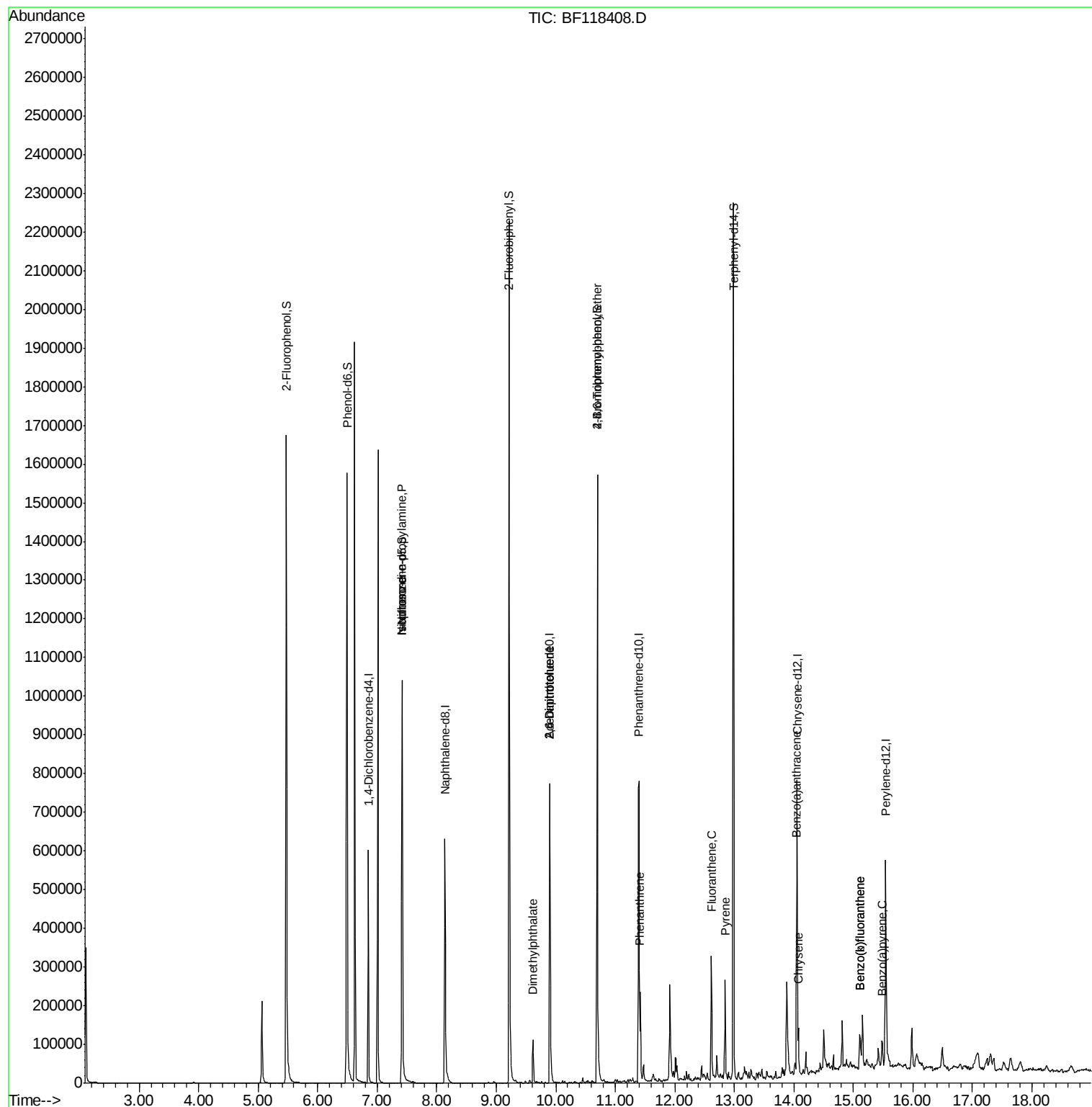
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	53758	14.779	ng	# 80
25) Isophorone	7.42	82	387087	37.697	ng	# 62
50) Dimethylphthalate	9.62	163	58364	4.303	ng	99
51) 2,6-Dinitrotoluene	9.90	165	23544	8.052	ng	# 26
57) 2,4-Dinitrotoluene	9.90	165	23544	6.026	ng	# 29
67) 4-Bromophenyl-phenylether	10.70	248	13021	3.403	ng	# 1
71) Phenanthrene	11.42	178	92044	5.164	ng	98
75) Fluoranthene	12.62	202	118385	6.581	ng	98
78) Pyrene	12.84	202	104874	5.825	ng	100
81) Benzo(a)anthracene	14.04	228	46565	3.017	ng	98
83) Chrysene	14.07	228	43787	2.963	ng	99
88) Benzo(b)fluoranthene	15.11	252	61134	4.184	ng	# 97
89) Benzo(k)fluoranthene	15.11	252	61134	4.358	ng	98
90) Benzo(a)pyrene	15.48	252	33828	2.628	ng	97

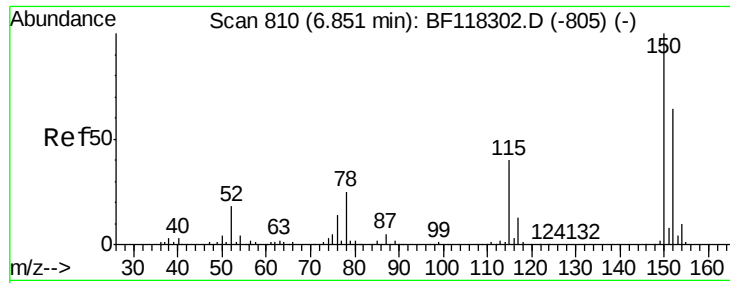
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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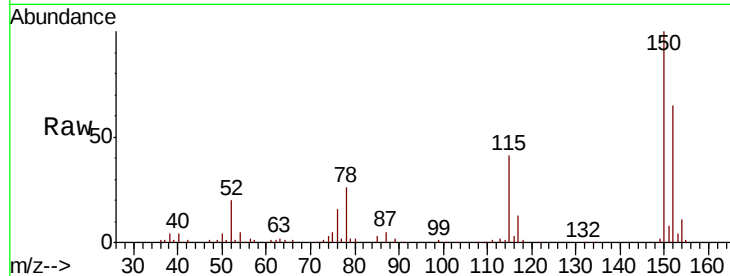


#1

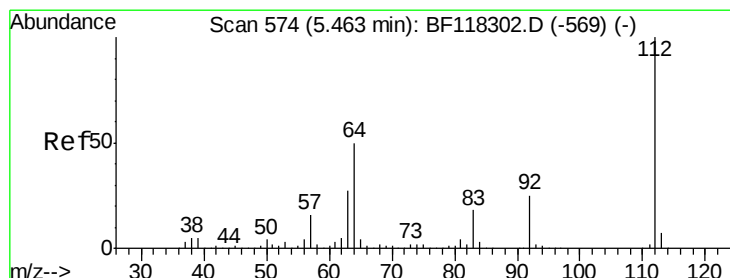
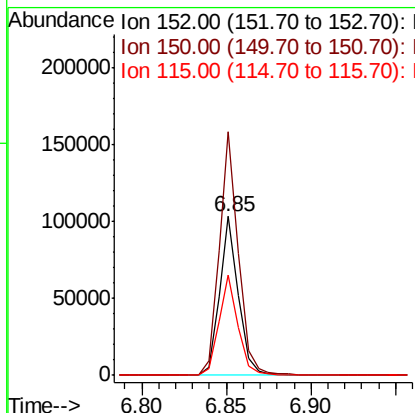
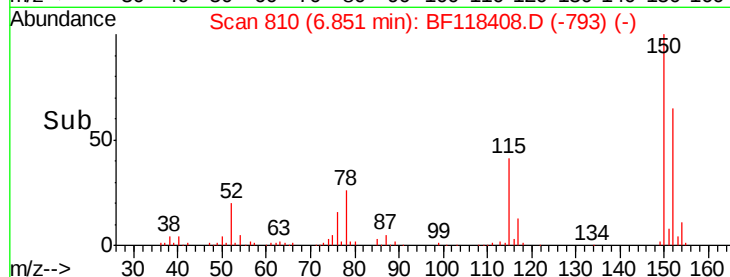
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118408.D
Acq: 31 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 81247
Ion Ratio Lower Upper
152 100
150 153.1 125.4 188.2
115 62.7 50.2 75.4



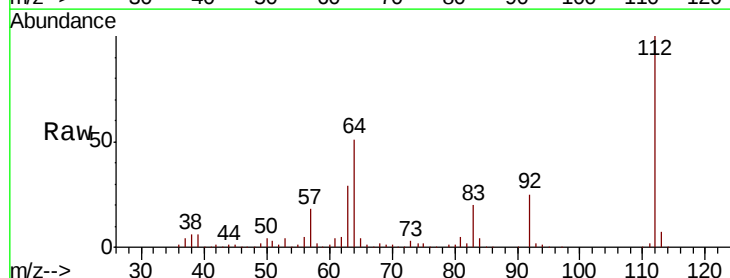
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



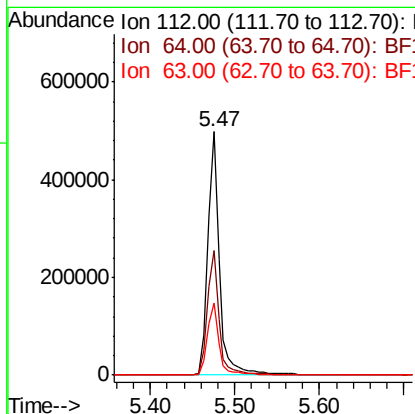
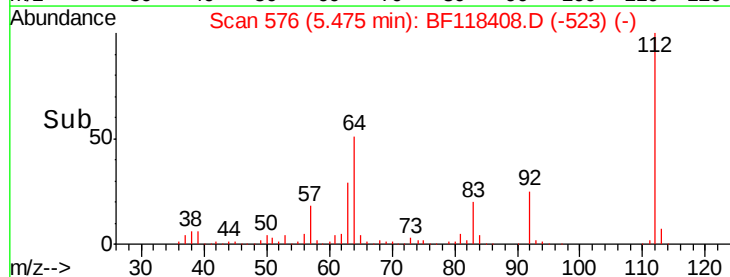
#5

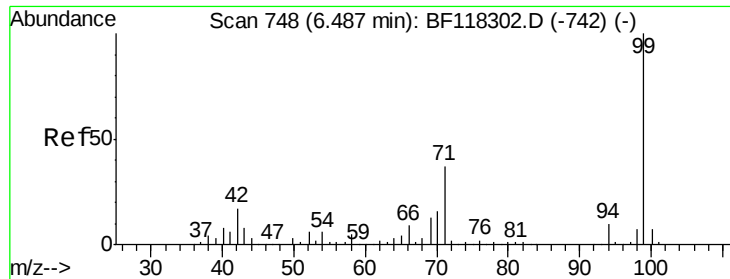
2-Fluorophenol
Concen: 101.461 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF118408.D
Acq: 31 Dec 2019 16:34

Tgt Ion:112 Resp: 482920
Ion Ratio Lower Upper
112 100
64 51.3 39.7 59.5
63 29.5 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: 97.984 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF118408.D

Acq: 31 Dec 2019 16:34

Instrument :

BNA_F

ClientSampleId :

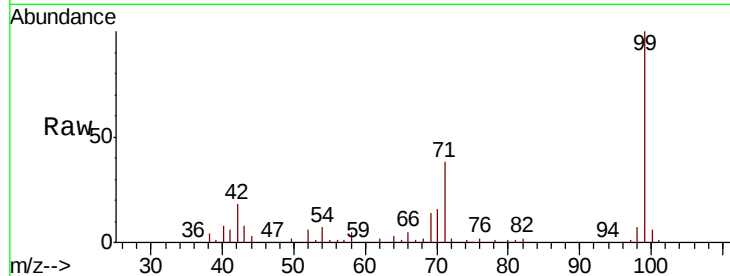
Tot Ion: 99 Resp: 578543

Ion Ratio Lower Upper

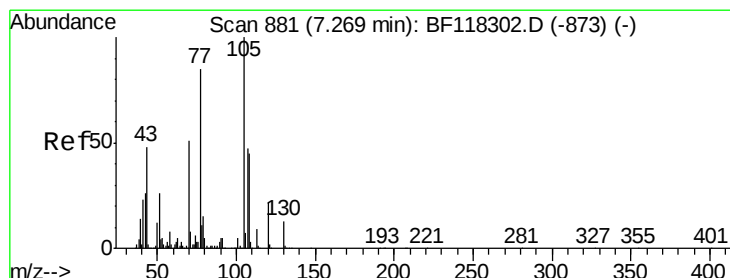
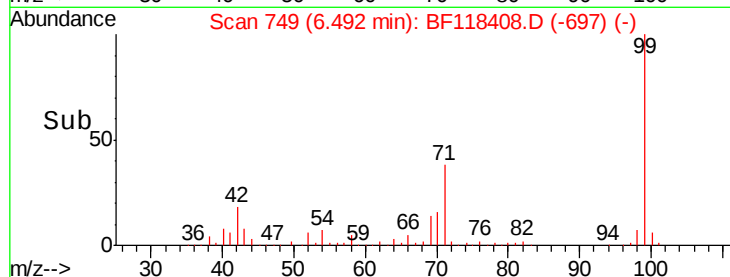
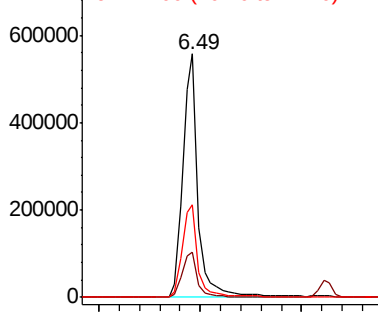
99 100

42 18.4 13.5 20.3

71 37.9 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: 14.779 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF118408.D

Acq: 31 Dec 2019 16:34

Tgt Ion: 70 Resp: 53758

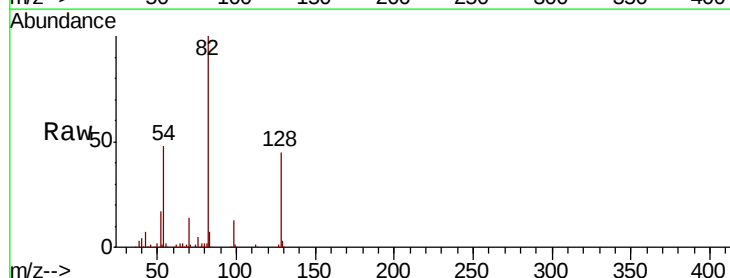
Ion Ratio Lower Upper

70 100

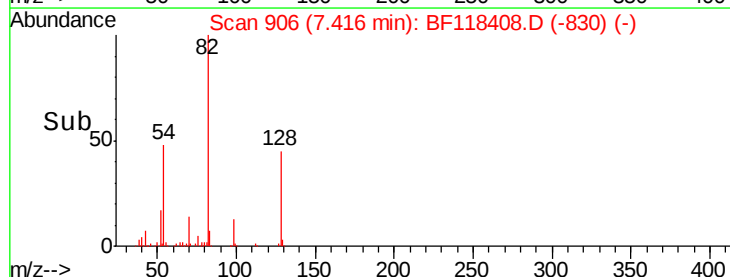
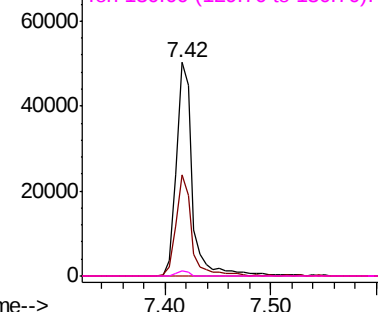
42 47.6 41.1 61.7

101 0.0 8.3 12.5#

130 2.2 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): E
Ion 130.00 (129.70 to 130.70): E

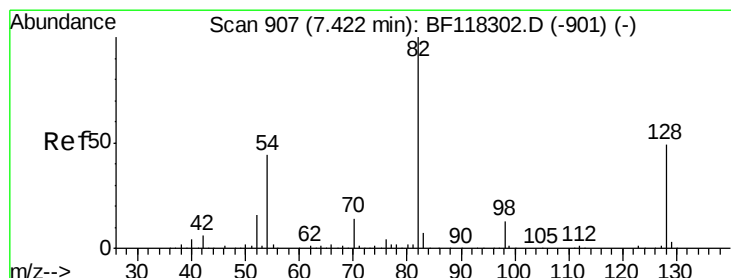
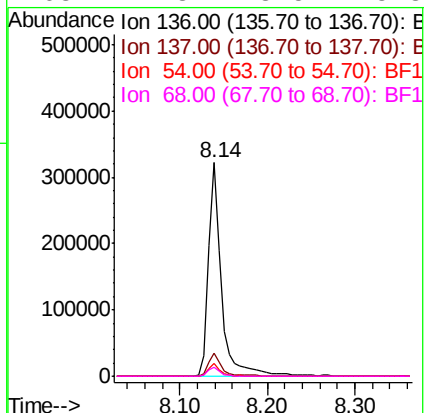
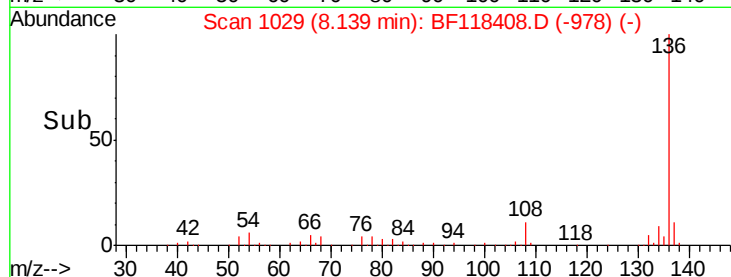
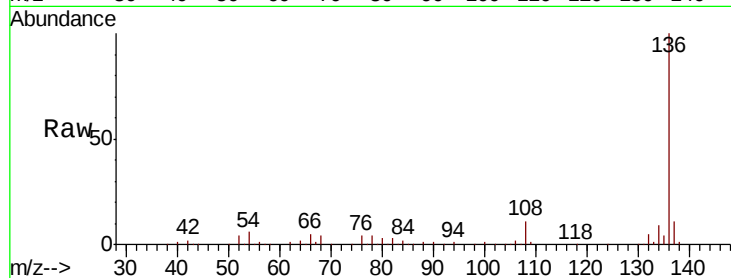




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118408.D
Acq: 31 Dec 2019 16:34

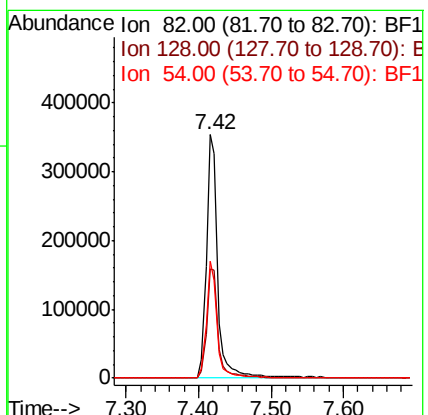
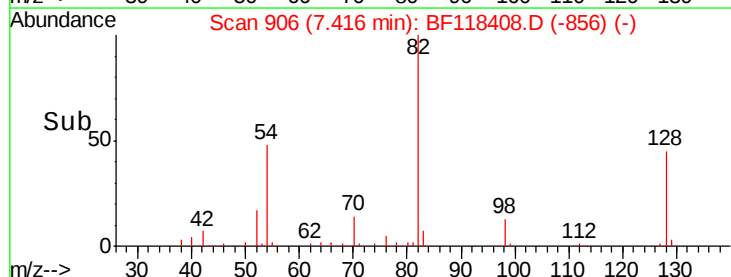
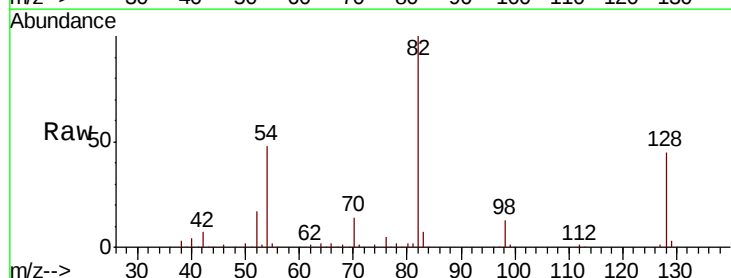
Instrument :
BNA_F
ClientSampleId :

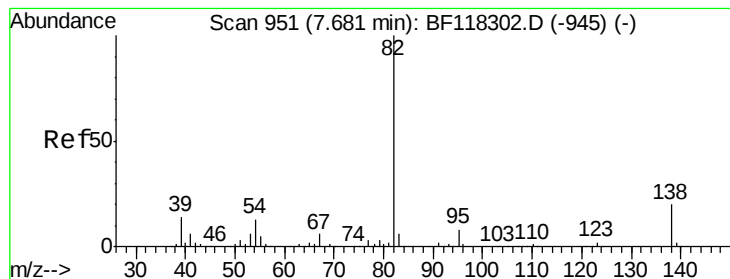
Tot Ion:136	Resp:	336989
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.9 13.3
54	5.9	4.2 6.4
68	4.3	3.5 5.3



#23
Nitrobenzene-d5
Concen: 65.698 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118408.D
Acq: 31 Dec 2019 16:34

Tgt Ion: 82	Resp:	387090
Ion	Ratio	Lower Upper
82	100	
128	45.1	39.6 59.4
54	48.0	34.9 52.3





#25

Isophorone

Concen: 37.697 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118408.D

Acq: 31 Dec 2019 16:34

Instrument :

BNA_F

ClientSampled :

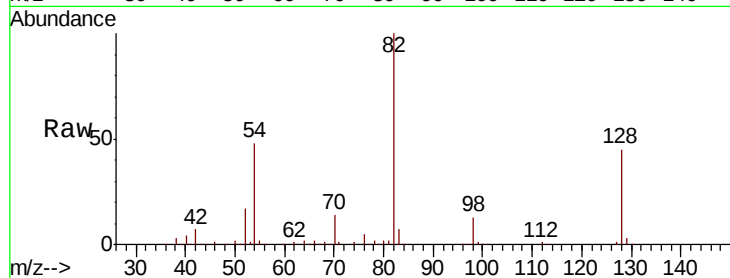
Tot Ion: 82 Resp: 387087

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

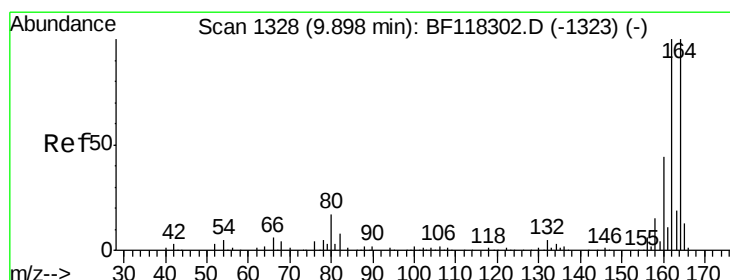
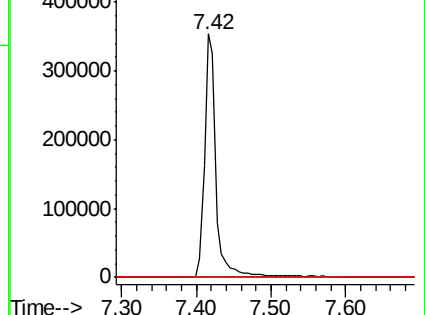
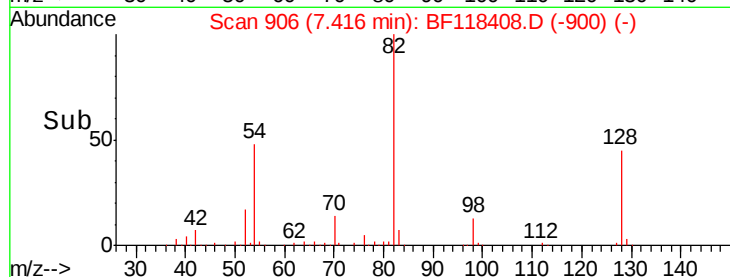
138 0.0 16.2 24.2#



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): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF118408.D

Acq: 31 Dec 2019 16:34

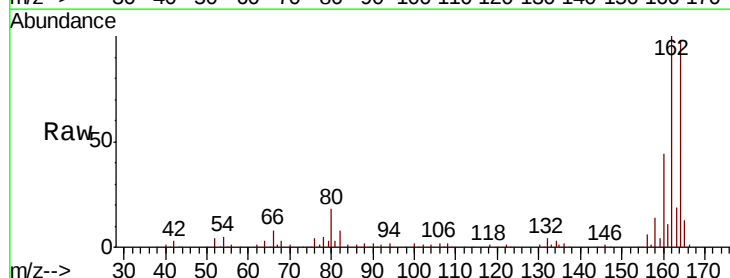
Tgt Ion: 164 Resp: 180679

Ion Ratio Lower Upper

164 100

162 101.9 80.0 120.0

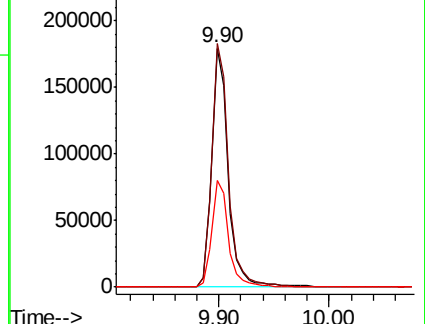
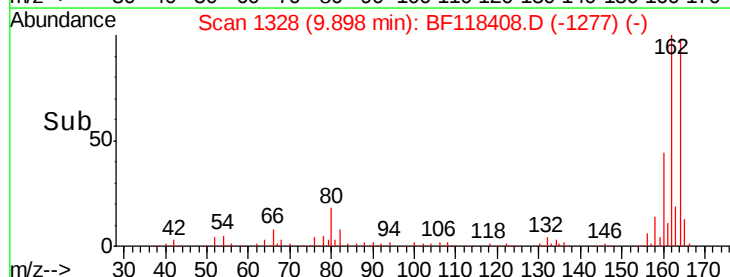
160 44.8 34.8 52.2

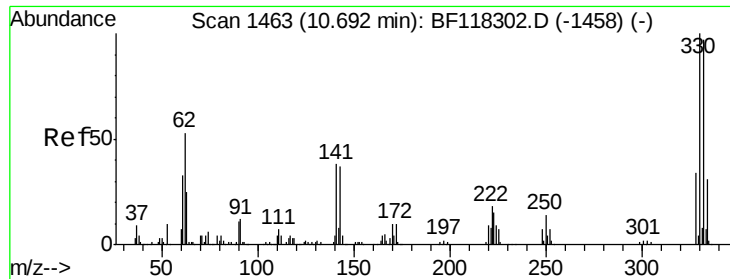


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

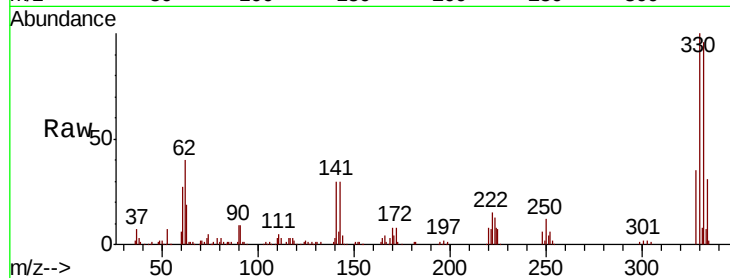




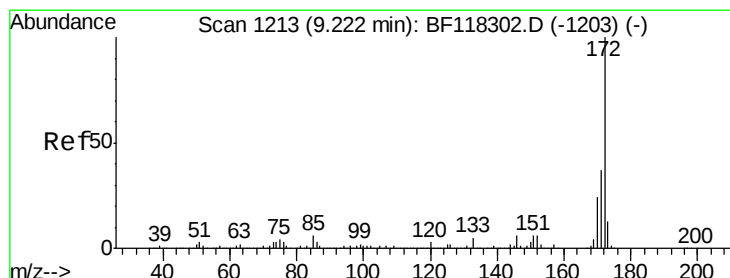
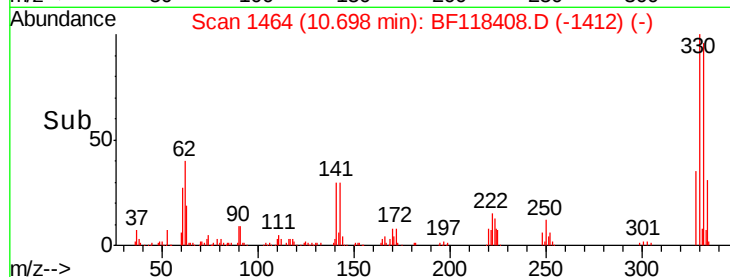
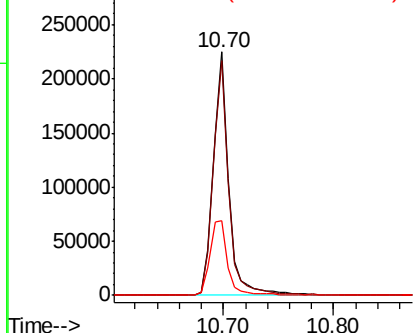
#42
 2,4,6-Tribromophenol
 Concen: 96.737 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118408.D
 Acq: 31 Dec 2019 16:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.6	114.8
141	35.2	26.0	39.0

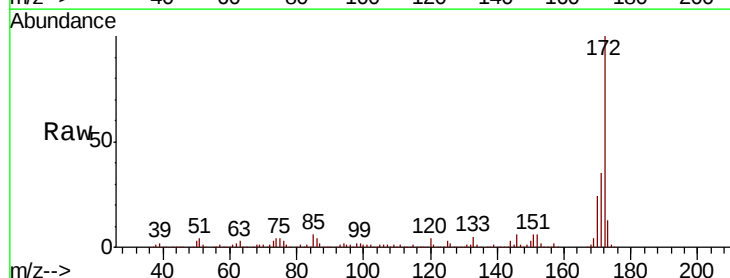


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

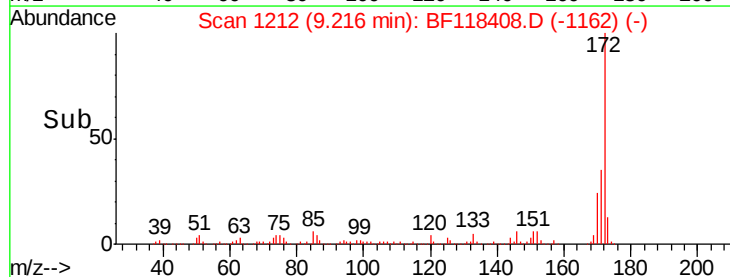
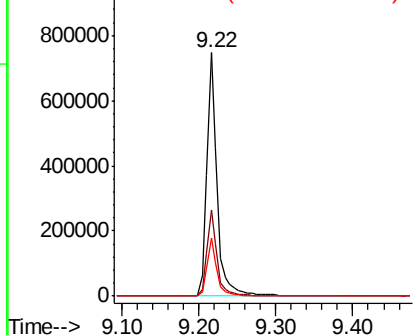


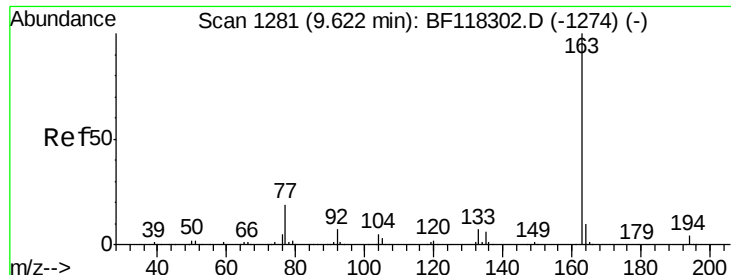
#45
 2-Fluorobiphenyl
 Concen: 58.670 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118408.D
 Acq: 31 Dec 2019 16:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.3	43.9
170	23.7	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: 4.303 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF118408.D

Acq: 31 Dec 2019 16:34

Instrument :

BNA_F

ClientSampleId :

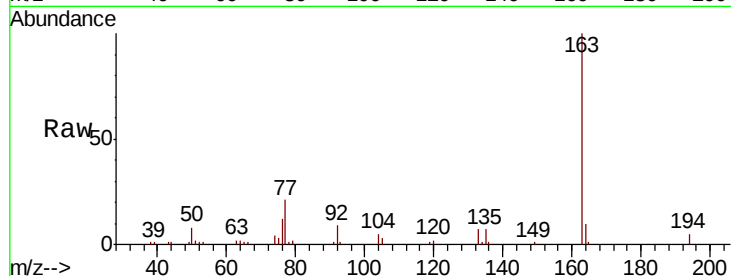
Tot Ion:163 Resp: 58364

Ion Ratio Lower Upper

163 100

194 4.7 3.2 4.8

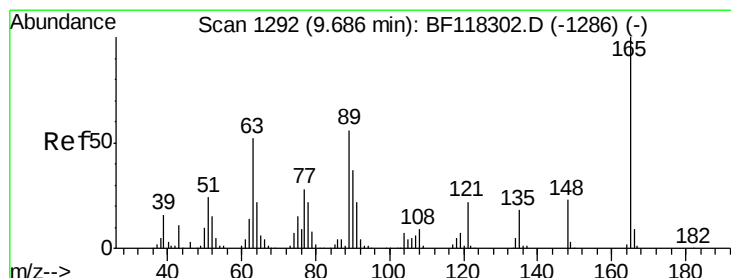
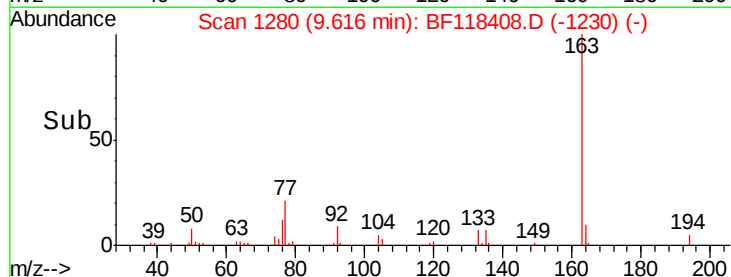
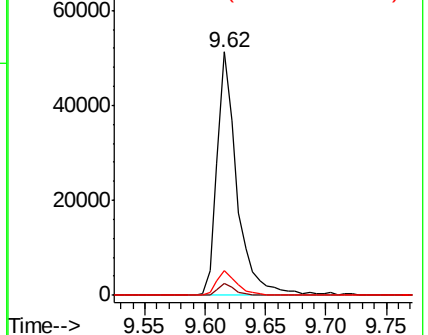
164 10.3 7.9 11.9



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: 8.052 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF118408.D

Acq: 31 Dec 2019 16:34

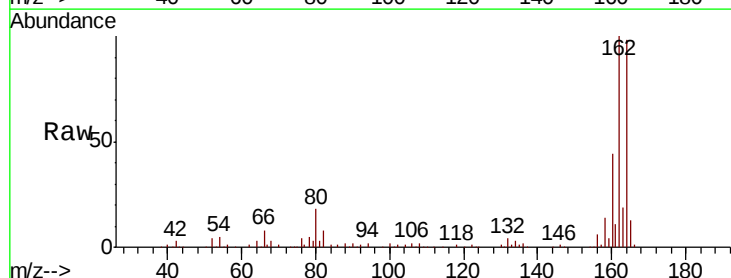
Tgt Ion:165 Resp: 23544

Ion Ratio Lower Upper

165 100

63 0.0 42.2 63.4#

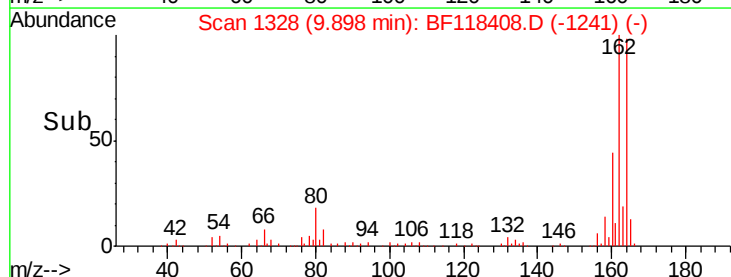
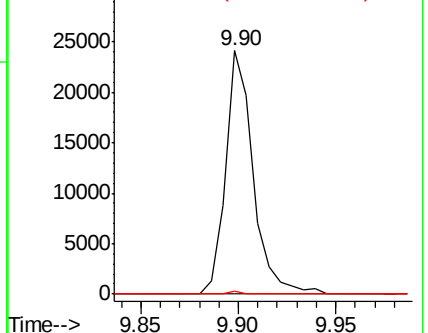
89 1.5 44.4 66.6#

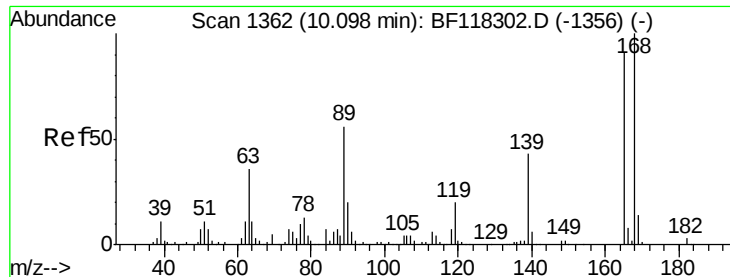


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

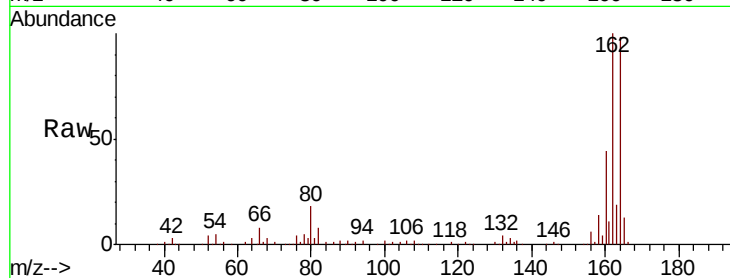




#57
 2,4-Dinitrotoluene
 Concen: 6.026 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF118408.D
 Acq: 31 Dec 2019 16:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.0	48.0#
89	1.5	49.3	73.9#
182	0.0	2.4	3.6#

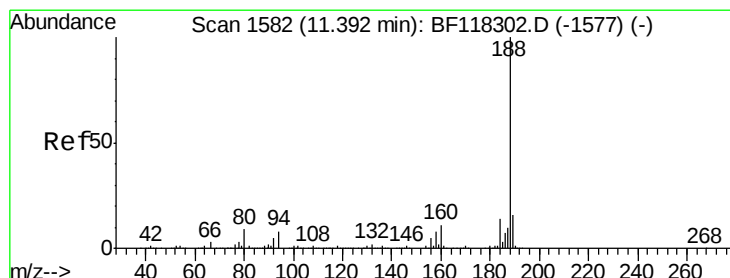
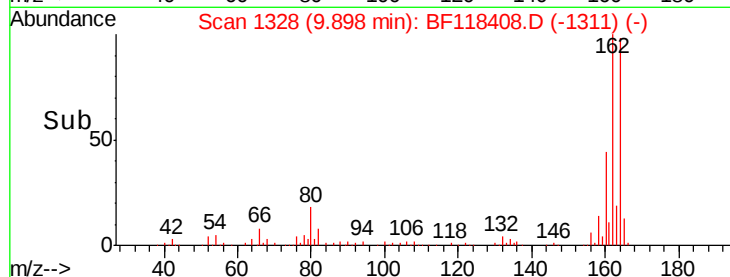
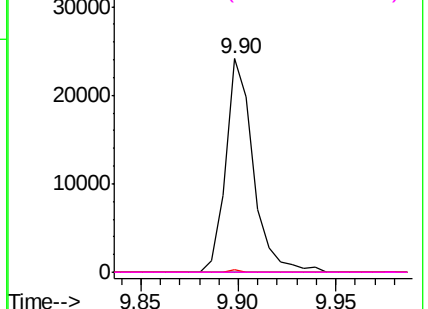


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

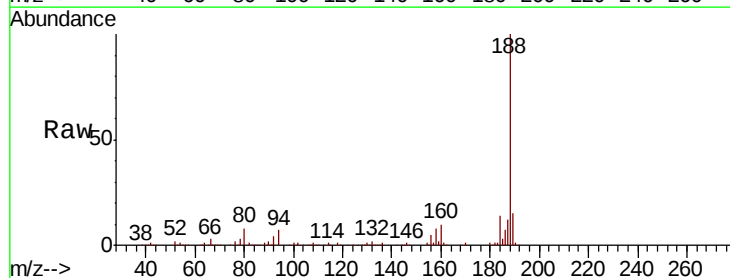
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF118408.D
 Acq: 31 Dec 2019 16:34

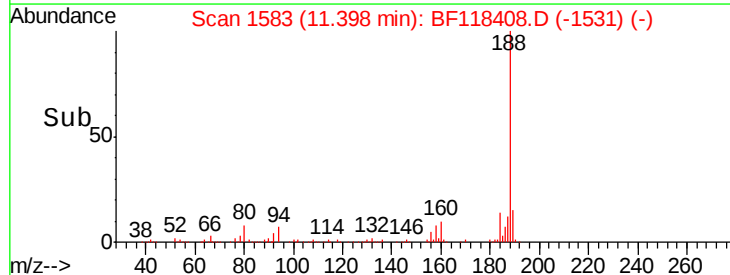
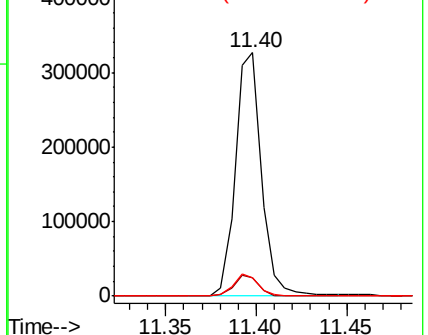
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.7	10.1
80	7.6	7.2	10.8

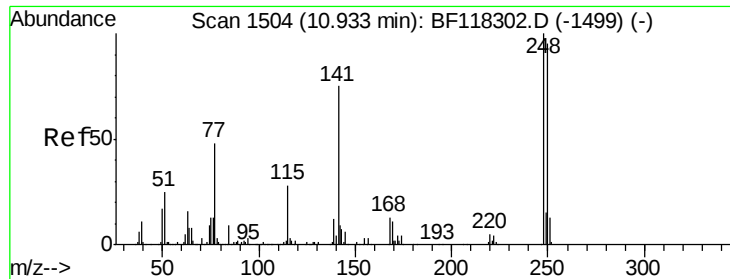


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

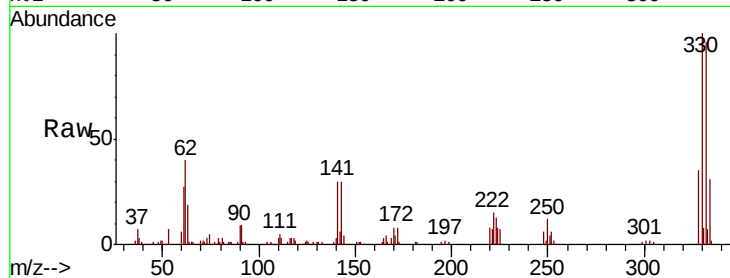




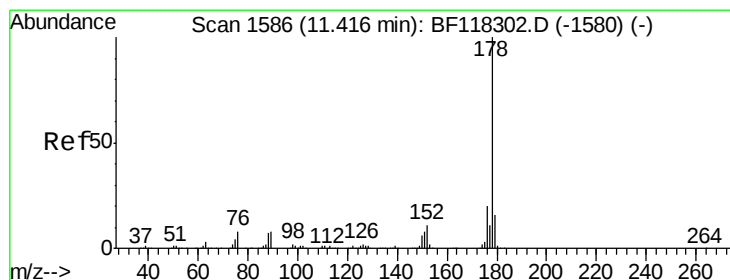
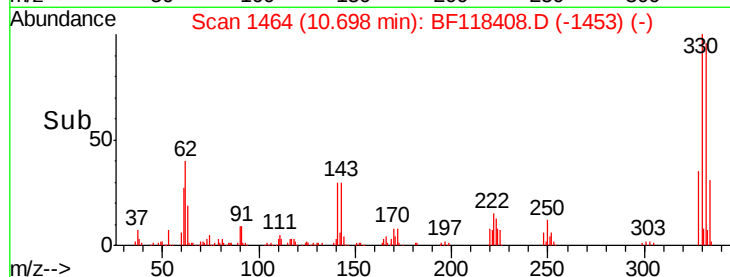
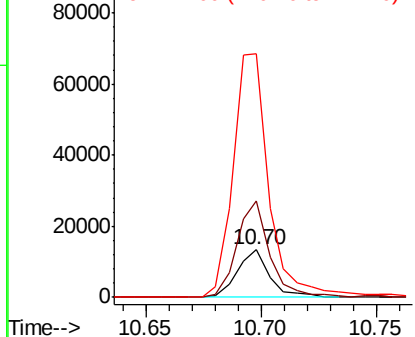
#67
 4-Bromophenyl-phenylether
 Concen: 3.403 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.24 min
 Lab File: BF118408.D
 Acq: 31 Dec 2019 16:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 13021
 Ion Ratio Lower Upper
 248 100
 250 203.6 76.4 114.6#
 141 514.2 60.2 90.2#

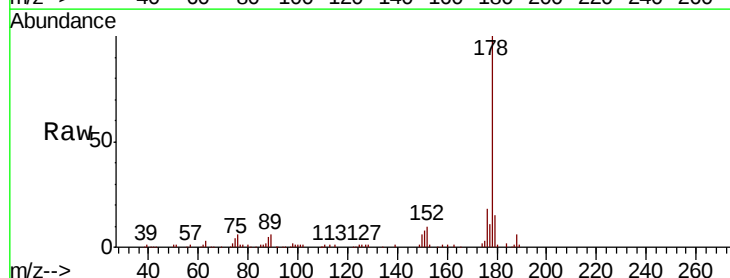


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

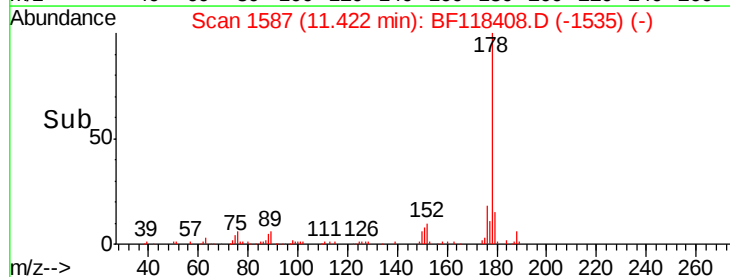
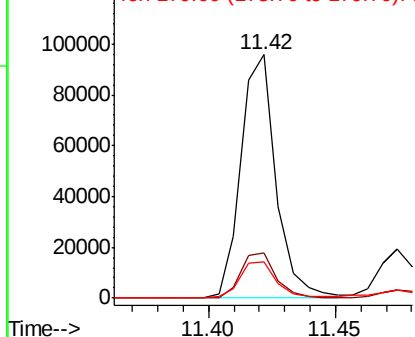


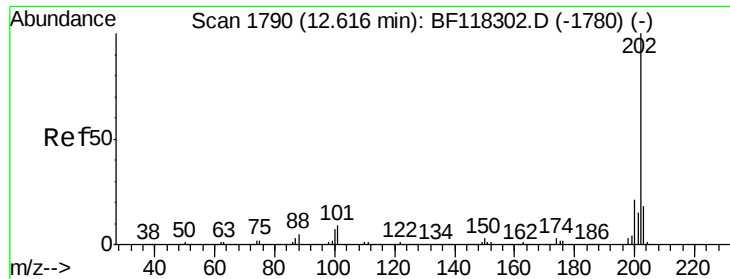
#71
 Phenanthrene
 Concen: 5.164 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: BF118408.D
 Acq: 31 Dec 2019 16:34

Tgt Ion:178 Resp: 92044
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.6 23.4
 179 15.0 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: 6.581 ng

RT: 12.62 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BF118408.D

Acq: 31 Dec 2019 16:34

Instrument :

BNA_F

ClientSampleId :

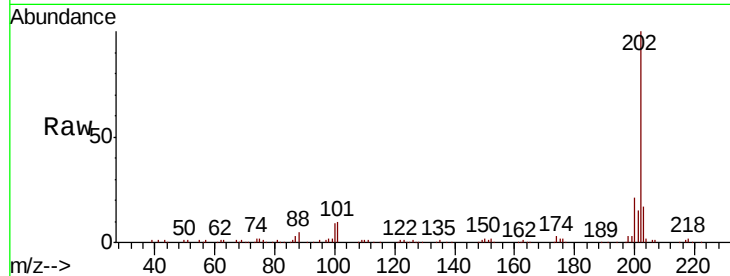
Tot Ion:202 Resp: 118385

Ion Ratio Lower Upper

202 100

101 9.8 0.0 29.5

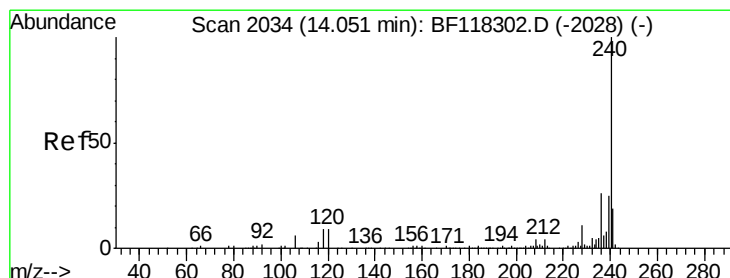
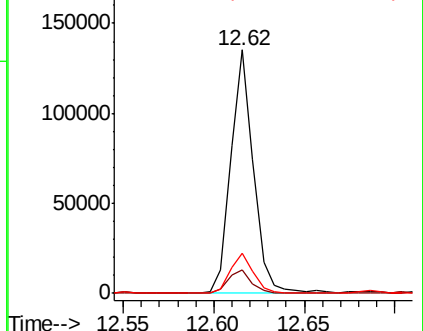
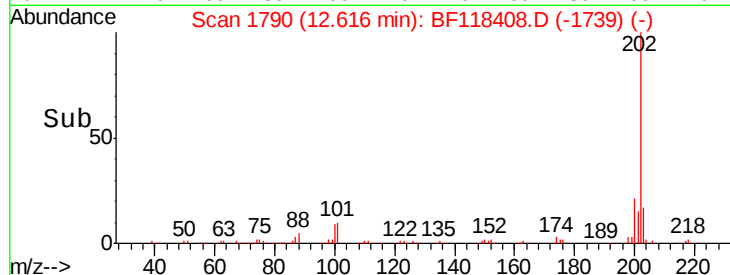
203 16.7 0.0 37.6



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: BF118408.D

Acq: 31 Dec 2019 16:34

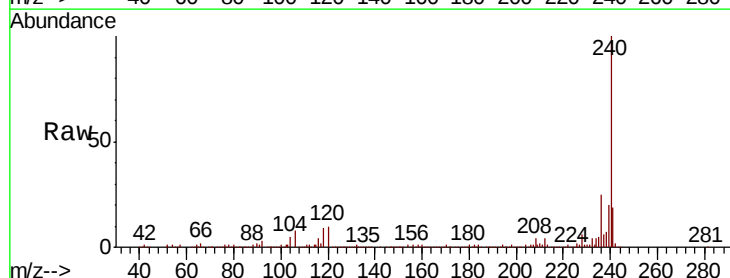
Tgt Ion:240 Resp: 220468

Ion Ratio Lower Upper

240 100

120 10.3 7.1 10.7

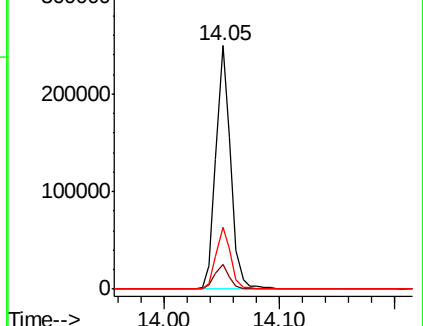
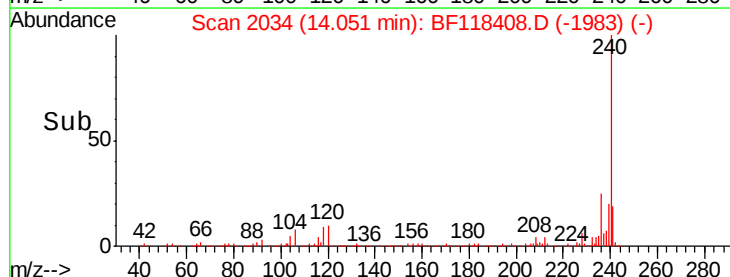
236 25.2 21.0 31.6

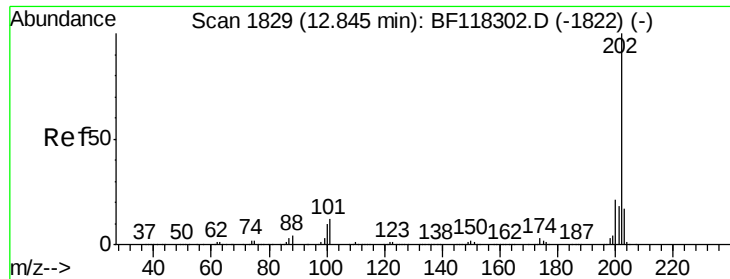


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

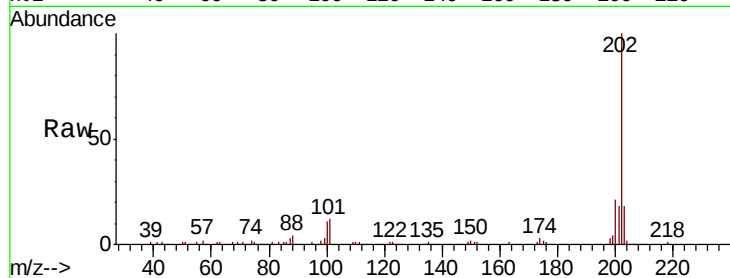




#78
Pvrene
Concen: 5.825 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BF118408.D
Acq: 31 Dec 2019 16:34

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.7	13.9	20.9

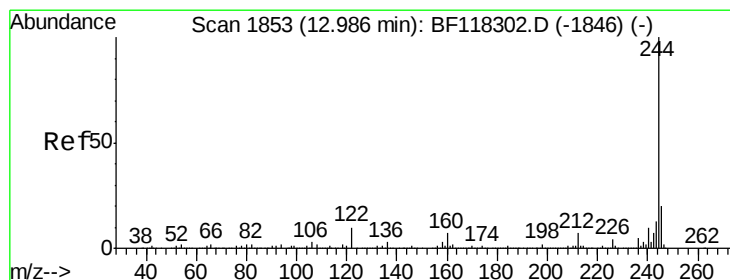
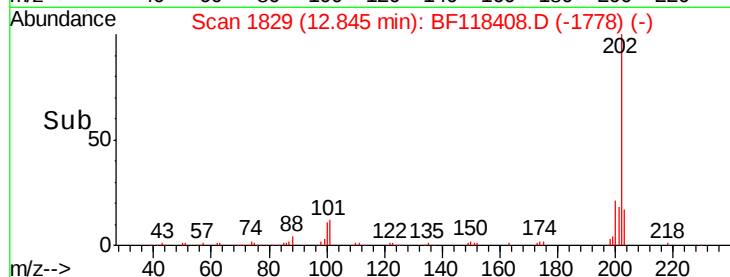
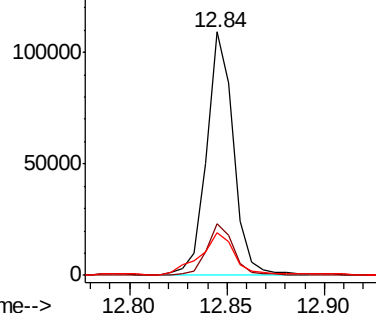


Abundance

Ion 202.00 (201.70 to 202.70): E

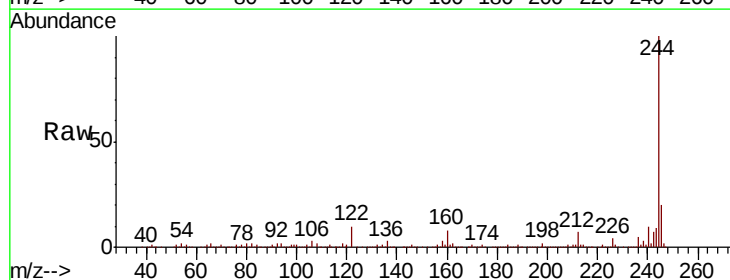
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 58.176 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BF118408.D
Acq: 31 Dec 2019 16:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.2
122	10.1	7.8	11.8

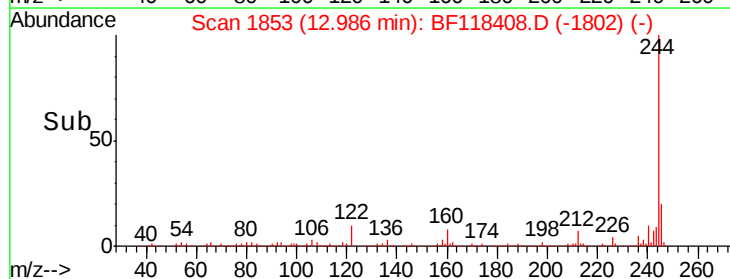
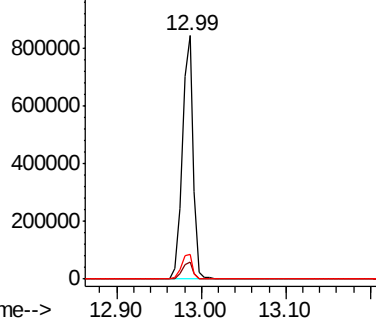


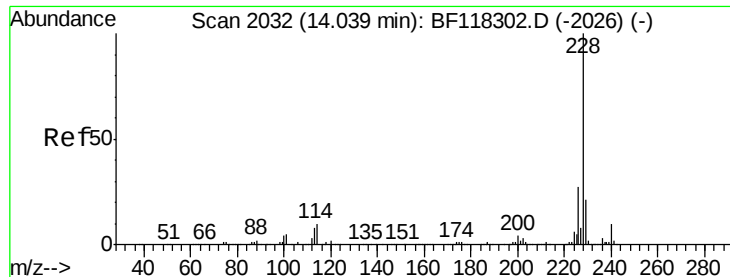
Abundance

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: 3.017 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BF118408.D

Acq: 31 Dec 2019 16:34

Instrument :

BNA_F

ClientSampleId :

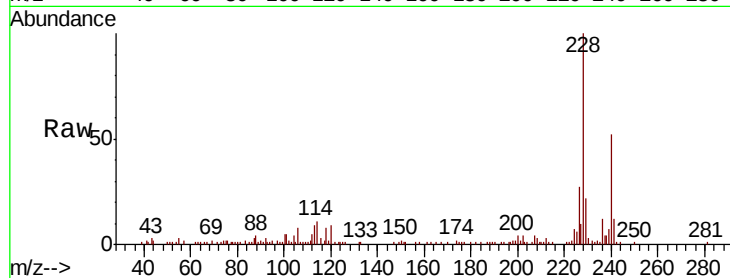
Tot Ion:228 Resp: 46565

Ion Ratio Lower Upper

228 100

226 26.8 22.0 33.0

229 22.0 16.6 24.8

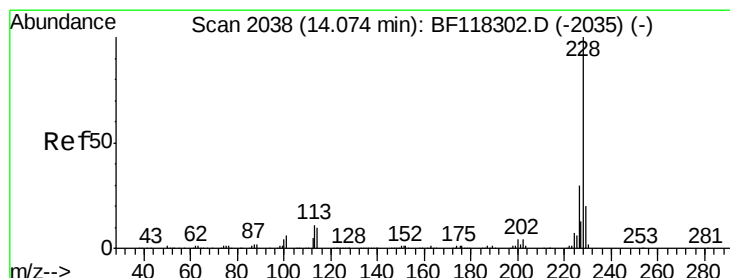
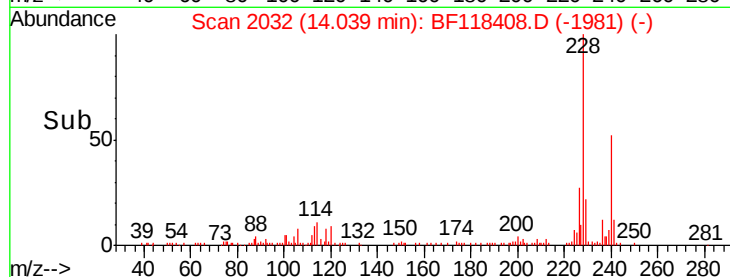
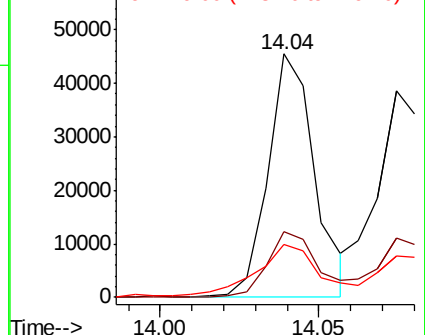


Abundance

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: 2.963 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BF118408.D

Acq: 31 Dec 2019 16:34

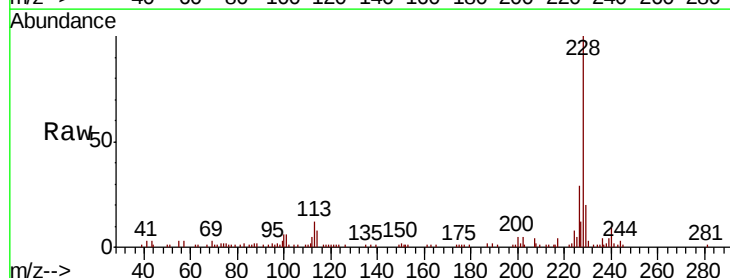
Tgt Ion:228 Resp: 43787

Ion Ratio Lower Upper

228 100

226 29.0 23.9 35.9

229 20.1 16.1 24.1

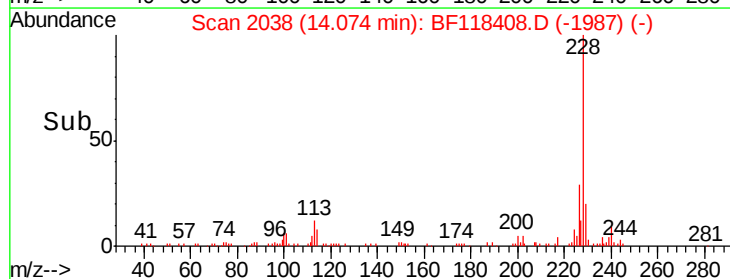
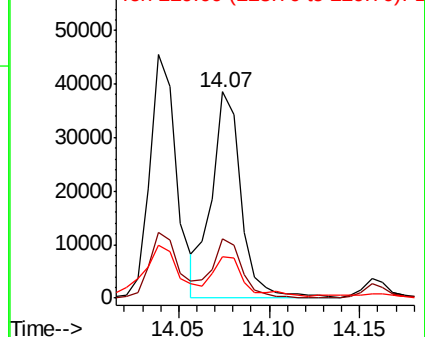


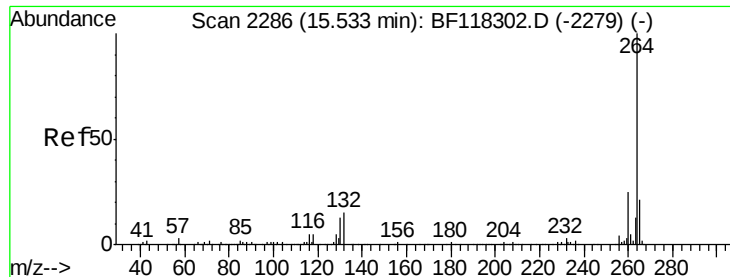
Abundance

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.01 min

Lab File: BF118408.D

Acq: 31 Dec 2019 16:34

Instrument :

BNA_F

ClientSampleId :

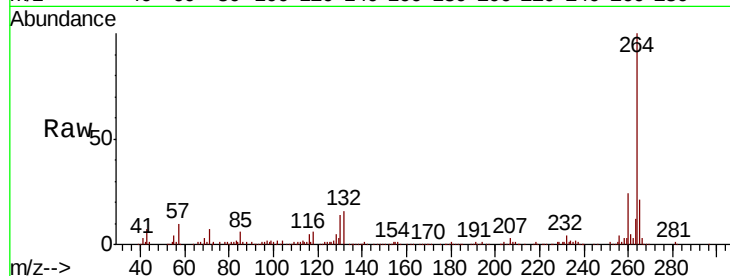
Tot Ion:264 Resp: 220106

Ion Ratio Lower Upper

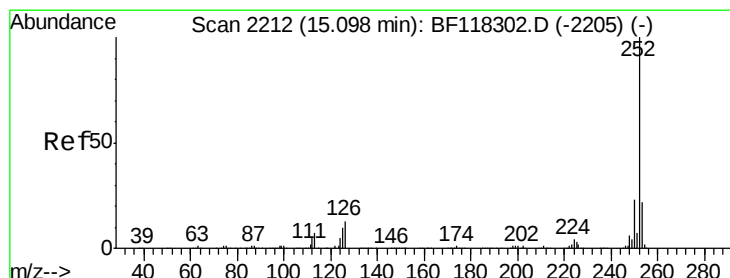
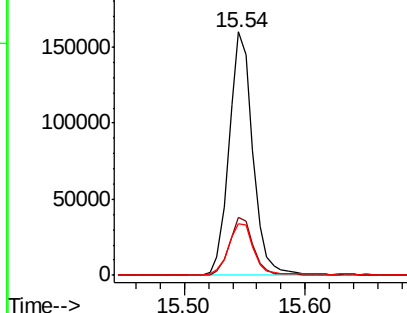
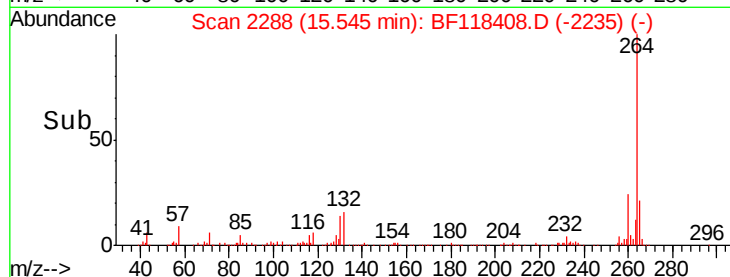
264 100

260 23.9 19.8 29.6

265 21.1 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: 4.184 ng

RT: 15.11 min Scan# 2214

Delta R.T. 0.01 min

Lab File: BF118408.D

Acq: 31 Dec 2019 16:34

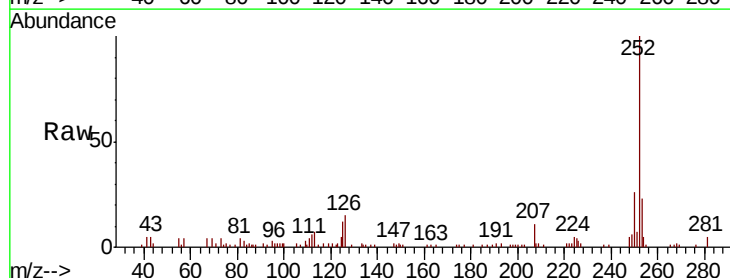
Tgt Ion:252 Resp: 61134

Ion Ratio Lower Upper

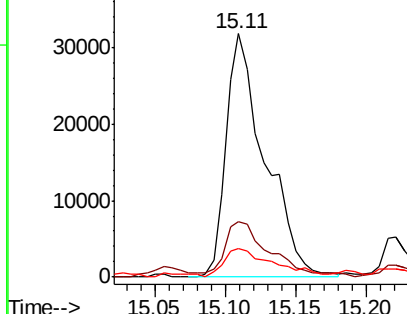
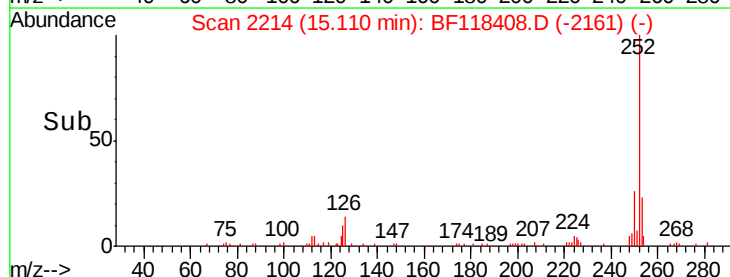
252 100

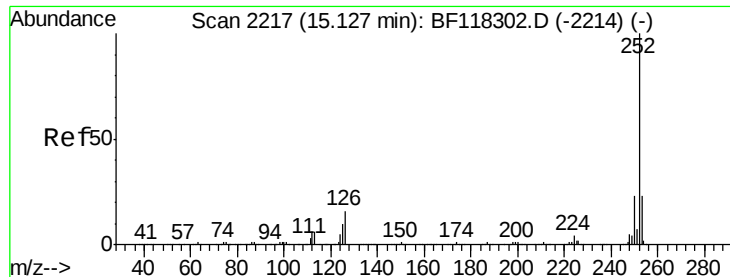
253 22.9 17.5 26.3

125 11.5 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

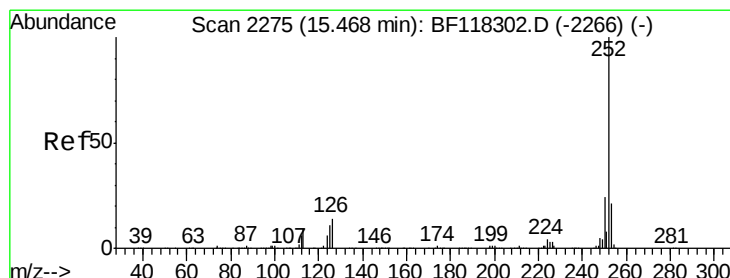
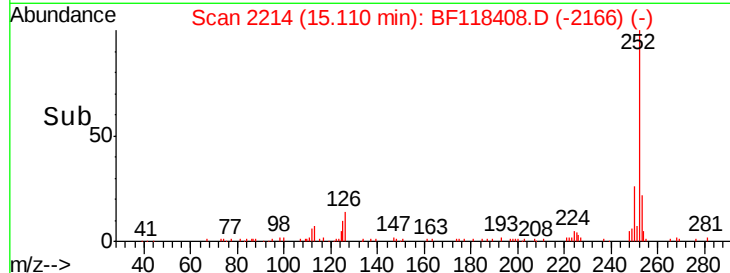
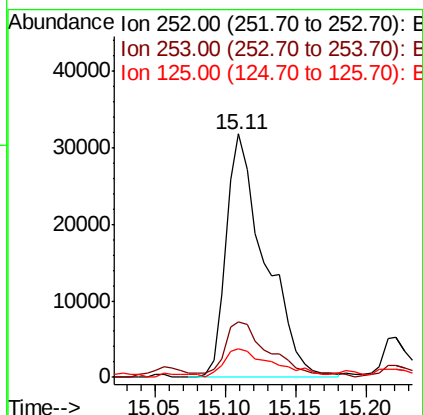
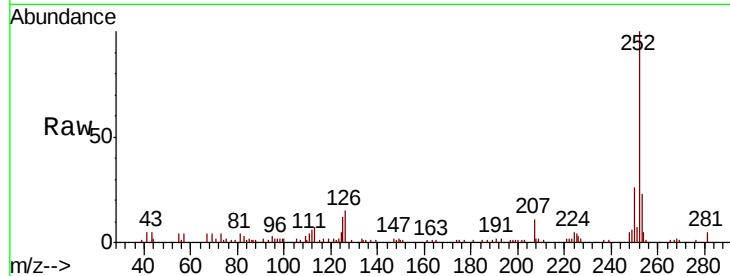




#89
Benzo(k)fluoranthene
Concen: 4.358 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF118408.D
Acq: 31 Dec 2019 16:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 61134
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 11.5 8.0 12.0



#90
Benzo(a)pyrene
Concen: 2.628 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF118408.D
Acq: 31 Dec 2019 16:34

Tgt Ion:252 Resp: 33828
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 12.6 9.0 13.4

