

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
 Data File : BF118404.D
 Acq On : 31 Dec 2019 14:40
 Operator : JU
 Sample : K6465-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 01 00:32:31 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

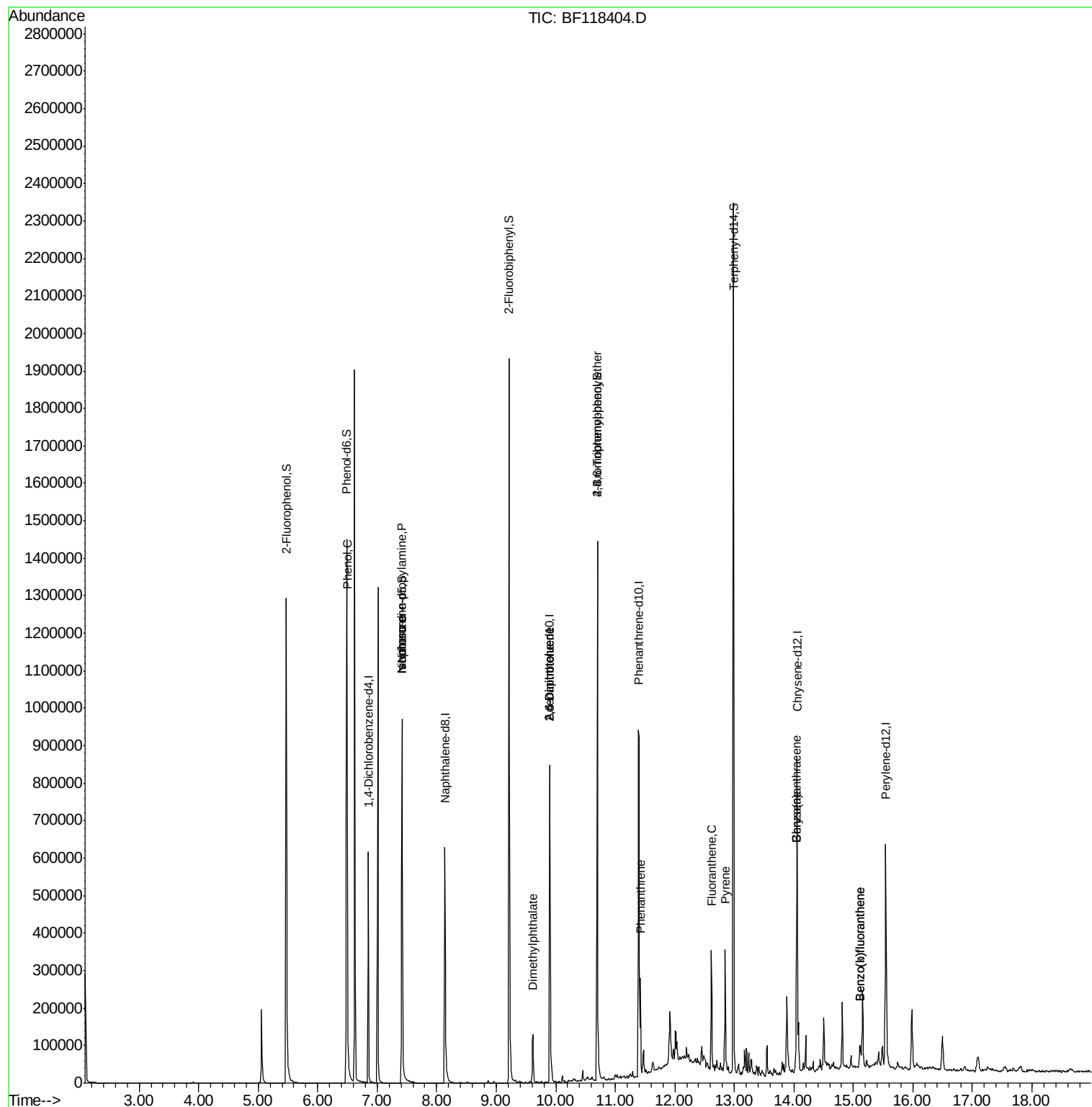
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	81000	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	334268	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	190451	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	385355	20.00	ng	0.00
76) Chrysene-d12	14.05	240	253995	20.00	ng	0.00
87) Perylene-d12	15.55	264	229771	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	416893	87.86	ng	0.01
7) Phenol-d6	6.49	99	547497	93.01	ng	0.00
23) Nitrobenzene-d5	7.42	82	331909	56.79	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	192806	81.98	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	602937	48.33	ng	0.00
79) Terphenyl-d14	12.99	244	756146	49.39	ng	0.00
Target Compounds						
10) Phenol	6.50	94	20071	3.034	ng	# 74
19) n-Nitroso-di-n-propylamine	7.42	70	44792	12.352	ng	# 81
25) Isophorone	7.42	82	331907	32.586	ng	# 62
50) Dimethylphthalate	9.62	163	68040	4.759	ng	99
51) 2,6-Dinitrotoluene	9.90	165	24848	8.062	ng	# 26
57) 2,4-Dinitrotoluene	9.90	165	24848	6.033	ng	# 29
67) 4-Bromophenyl-phenylether	10.70	248	12283	2.724	ng	# 1
71) Phenanthrene	11.42	178	101354	4.825	ng	99
75) Fluoranthene	12.62	202	108444	5.115	ng	98
78) Pyrene	12.84	202	126921	6.119	ng	98
81) Benzo(a)anthracene	14.04	228	52975	2.980	ng	98
83) Chrysene	14.04	228	52975	3.112	ng	95
88) Benzo(b)fluoranthene	15.11	252	45612	2.991	ng	# 92
89) Benzo(k)fluoranthene	15.11	252	45612	3.115	ng	94

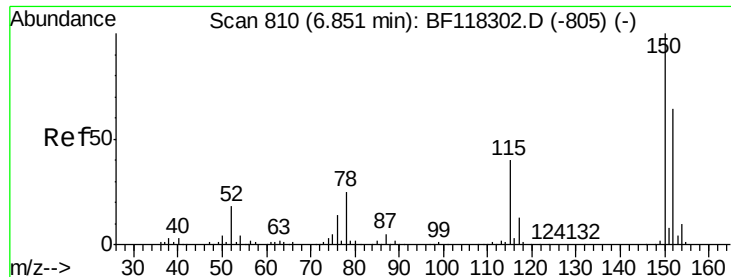
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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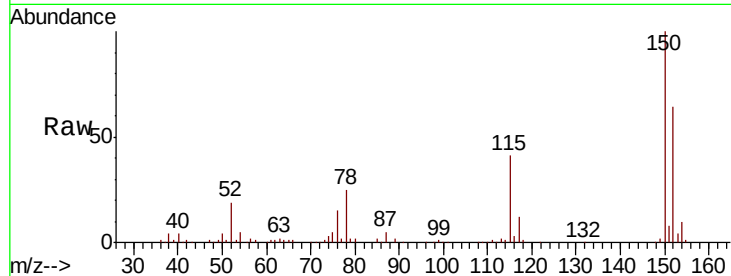


#1

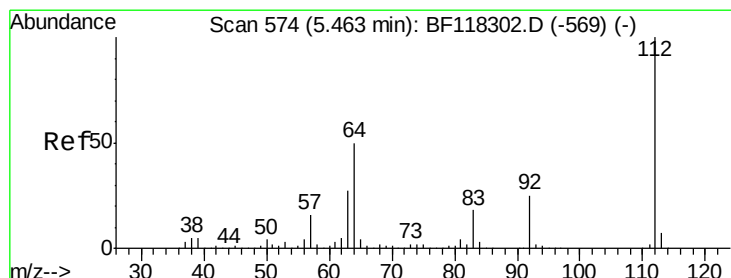
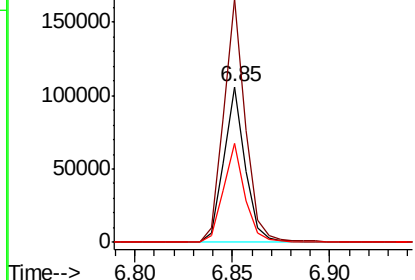
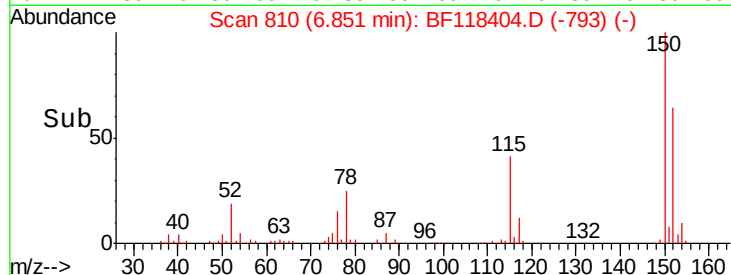
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118404.D
Acq: 31 Dec 2019 14:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 81000
Ion Ratio Lower Upper
152 100
150 156.4 125.4 188.2
115 64.0 50.2 75.4



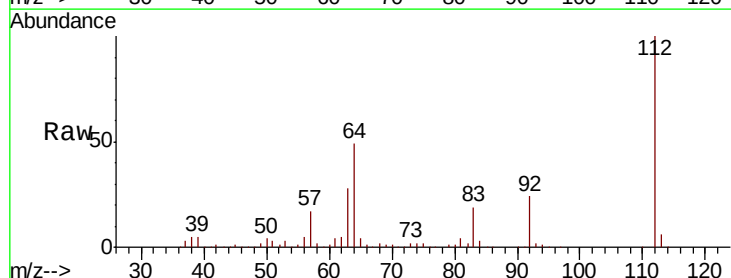
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



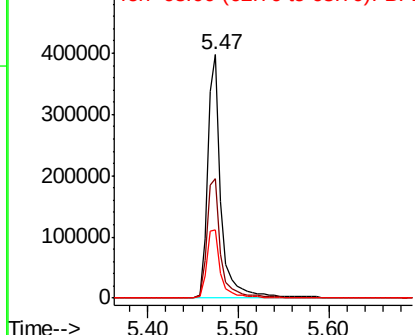
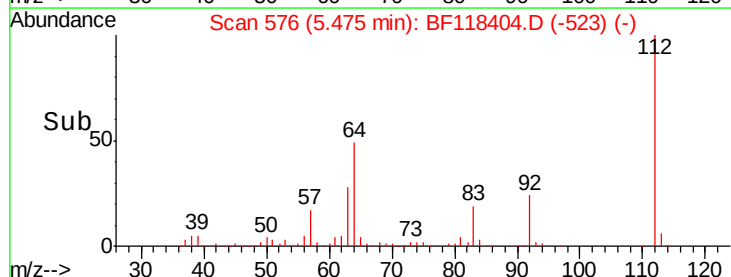
#5

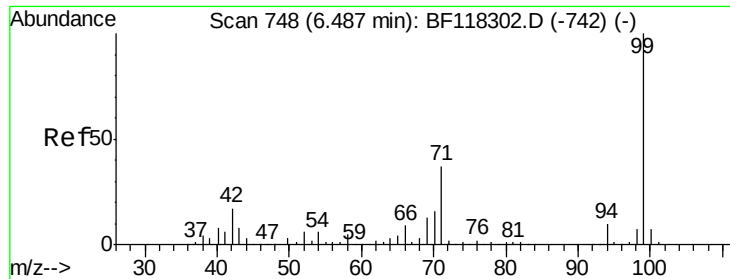
2-Fluorophenol
Concen: 87.856 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF118404.D
Acq: 31 Dec 2019 14:40

Tgt Ion:112 Resp: 416893
Ion Ratio Lower Upper
112 100
64 49.3 39.7 59.5
63 28.2 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: 93.008 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118404.D

Acq: 31 Dec 2019 14:40

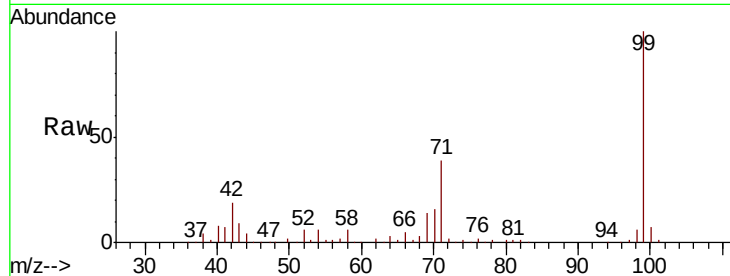
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 547497

Ion	Ratio	Lower	Upper
99	100		
42	19.0	13.5	20.3
71	38.5	29.4	44.2

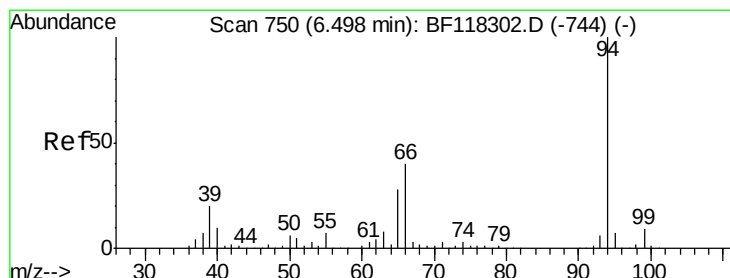
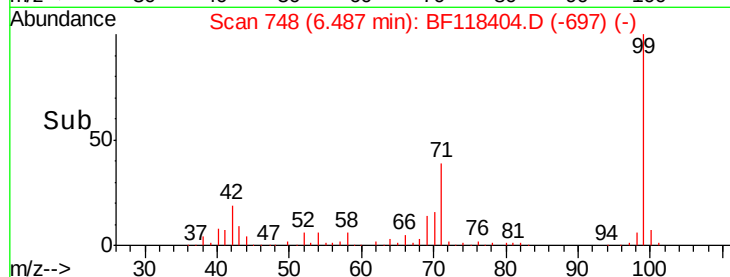
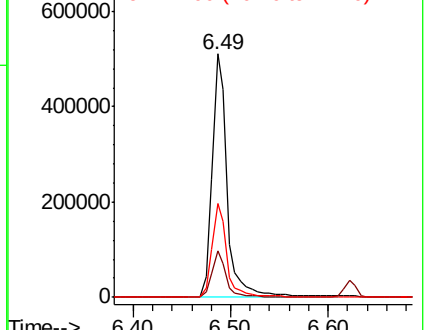


Abundance

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



#10

Phenol

Concen: 3.034 ng

RT: 6.50 min Scan# 750

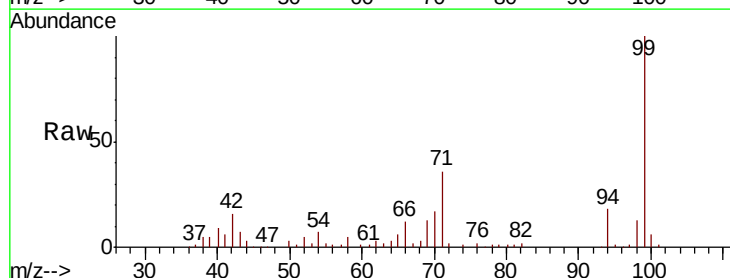
Delta R.T. -0.00 min

Lab File: BF118404.D

Acq: 31 Dec 2019 14:40

Tgt Ion: 94 Resp: 20071

Ion	Ratio	Lower	Upper
94	100		
65	33.4	7.8	47.8
66	63.2	20.4	60.4

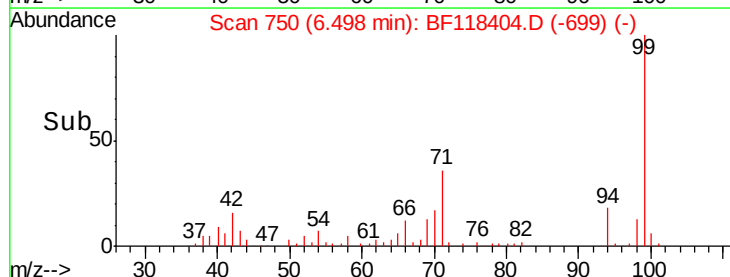
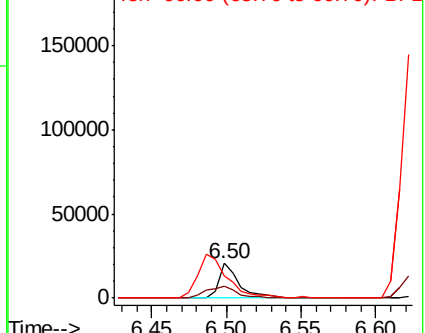


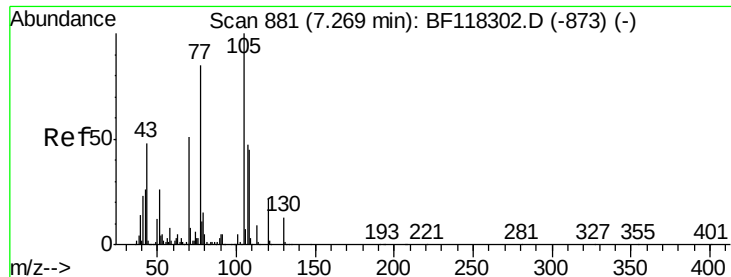
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

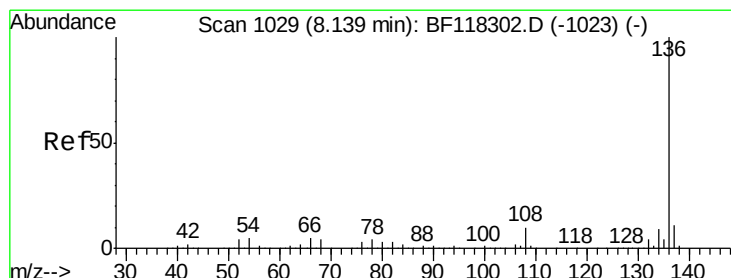
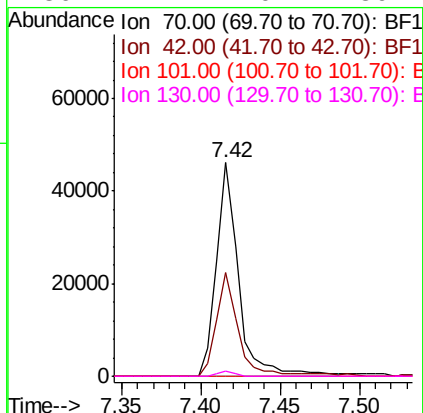
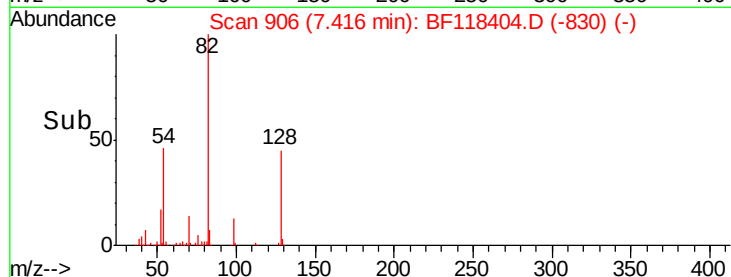
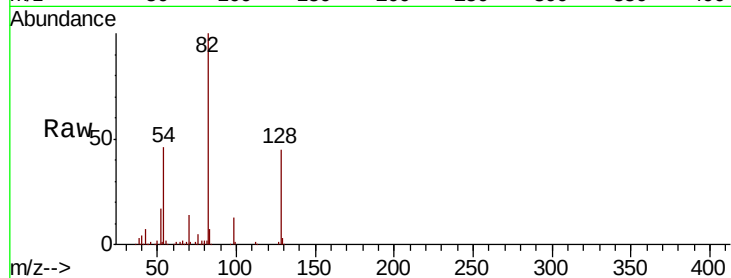




#19
n-Nitroso-di-n-propylamine
Concen: 12.352 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF118404.D
Acq: 31 Dec 2019 14:40

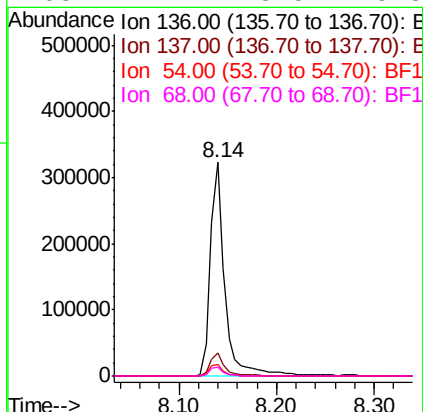
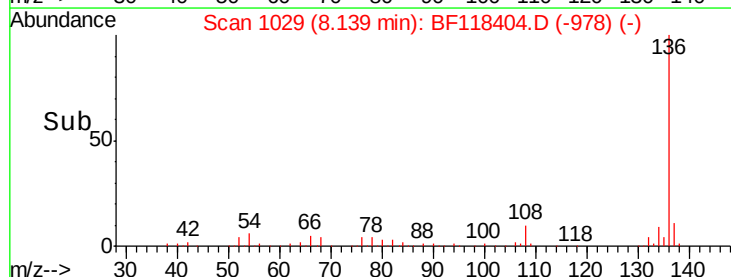
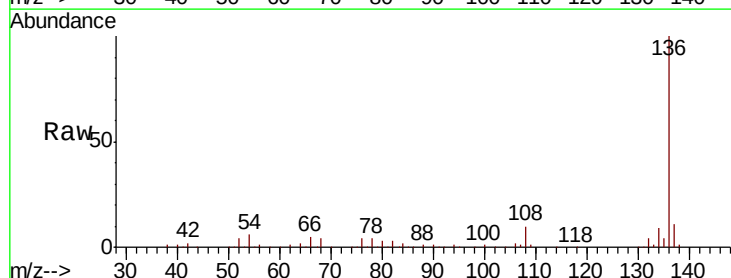
Instrument :
BNA_F
ClientSampleId :

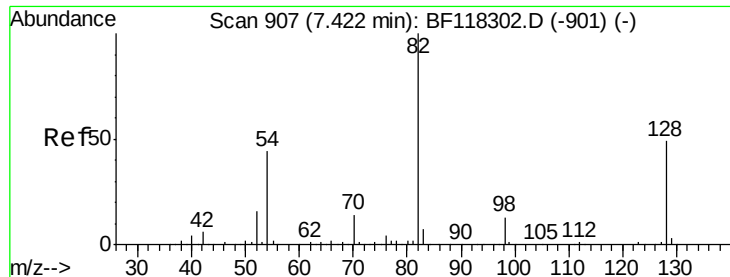
Tot Ion: 70 Resp: 44792
Ion Ratio Lower Upper
70 100
42 48.6 41.1 61.7
101 0.0 8.3 12.5#
130 2.1 20.1 30.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118404.D
Acq: 31 Dec 2019 14:40

Tgt Ion:136 Resp: 334268
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 5.5 4.2 6.4
68 4.2 3.5 5.3





#23

Nitrobenzene-d5

Concen: 56.791 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF118404.D

Acq: 31 Dec 2019 14:40

Instrument :

BNA_F

ClientSampled :

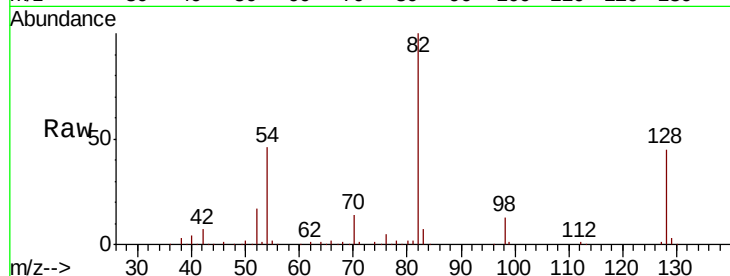
Tot Ion: 82 Resp: 331909

Ion Ratio Lower Upper

82 100

128 44.6 39.6 59.4

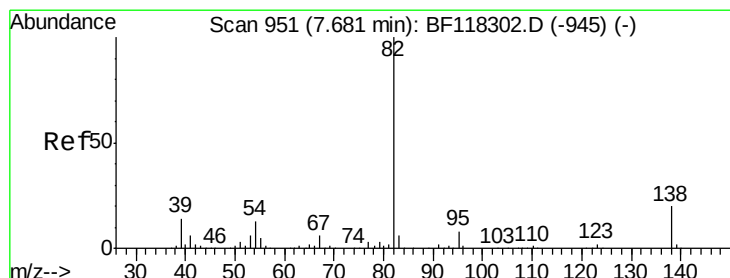
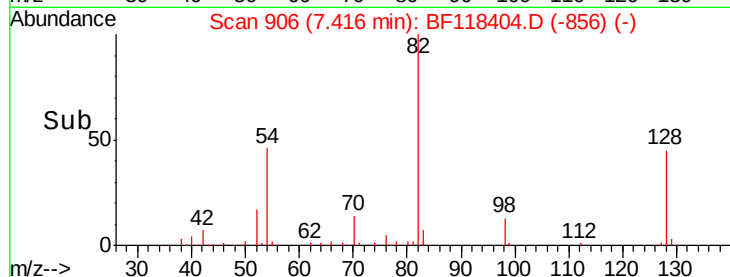
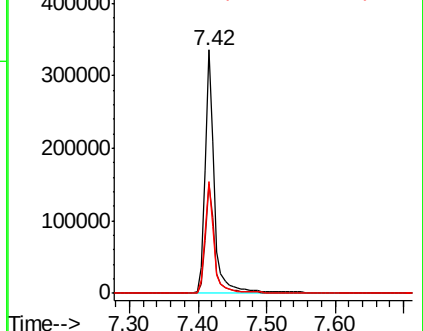
54 46.1 34.9 52.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 32.586 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118404.D

Acq: 31 Dec 2019 14:40

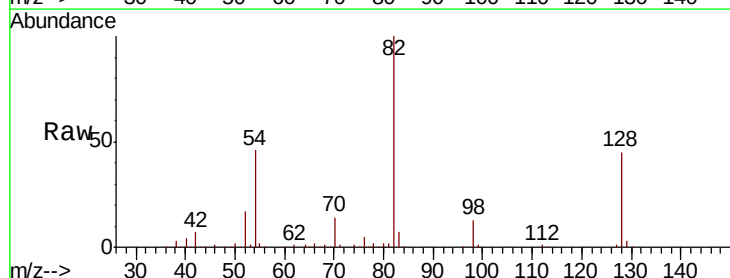
Tgt Ion: 82 Resp: 331907

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

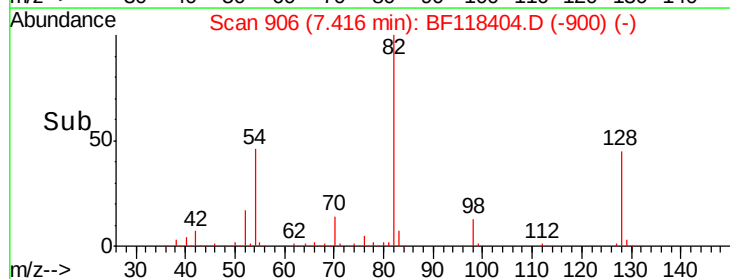
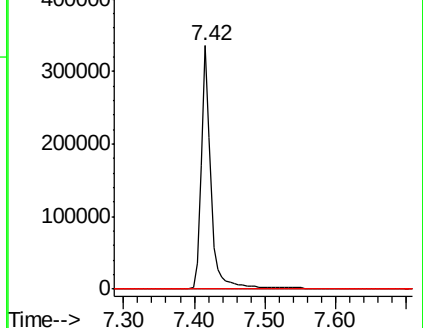
138 0.0 16.2 24.2#

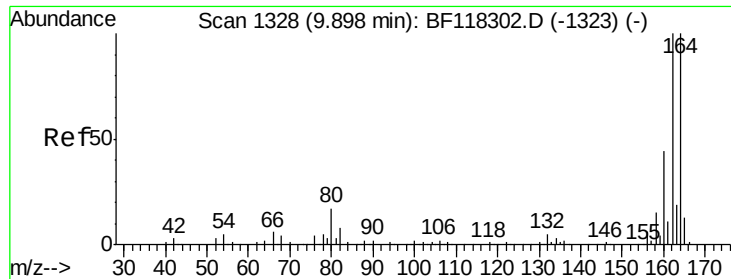


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

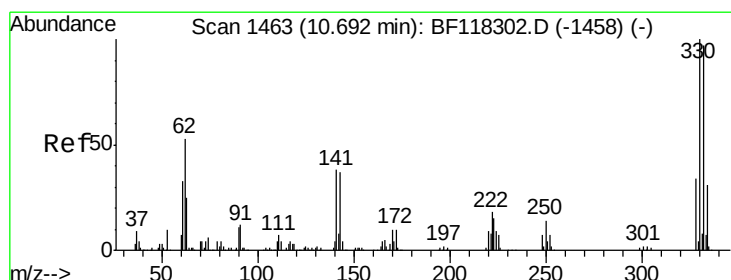
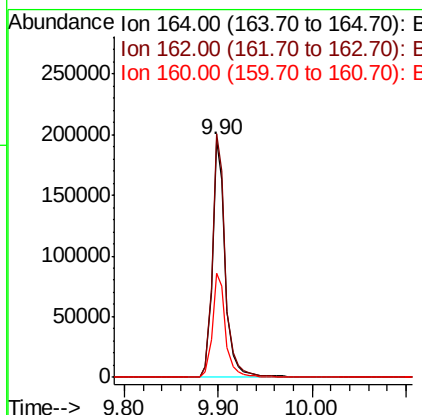
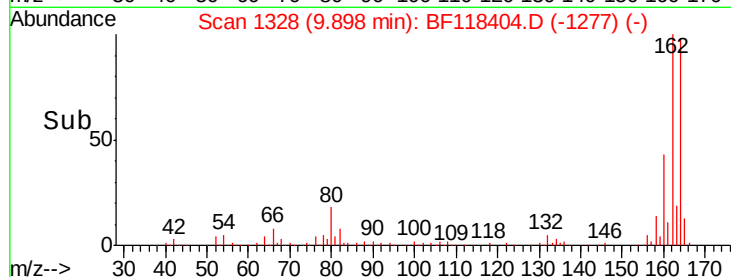
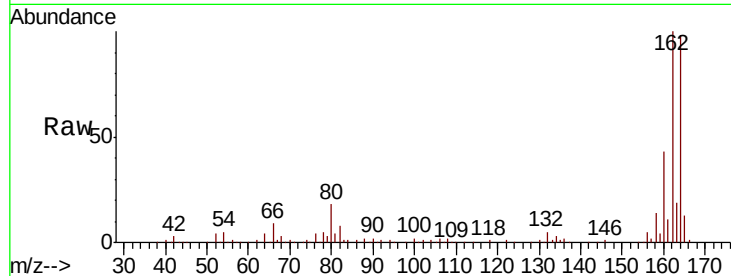




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BF118404.D
Acq: 31 Dec 2019 14:40

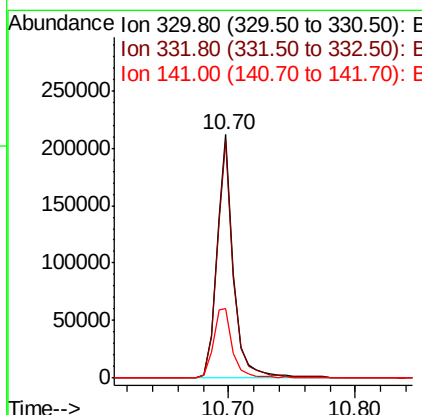
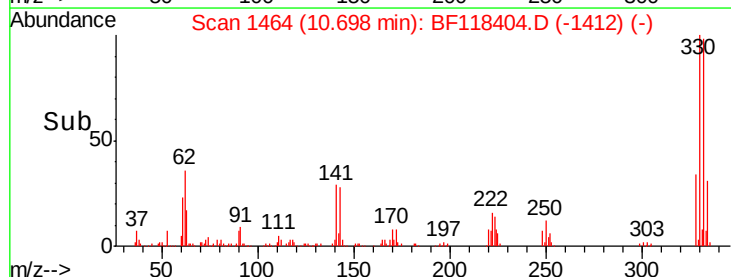
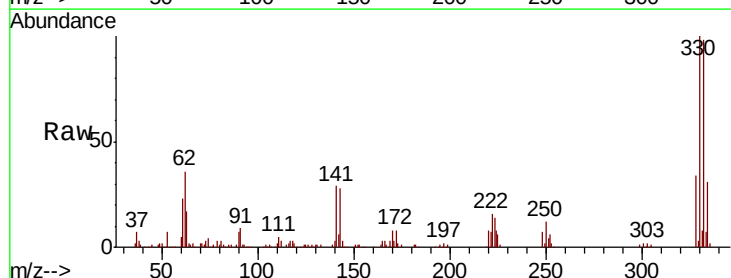
Instrument :
BNA_F
ClientSampleId :

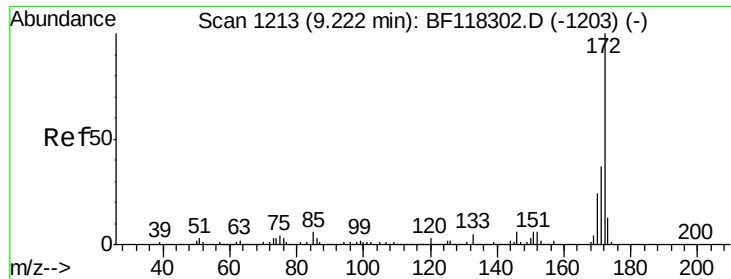
Tot Ion:164 Resp: 190451
Ion Ratio Lower Upper
164 100
162 102.5 80.0 120.0
160 43.7 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 81.978 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.01 min
Lab File: BF118404.D
Acq: 31 Dec 2019 14:40

Tgt Ion:330 Resp: 192806
Ion Ratio Lower Upper
330 100
332 98.5 76.6 114.8
141 34.4 26.0 39.0

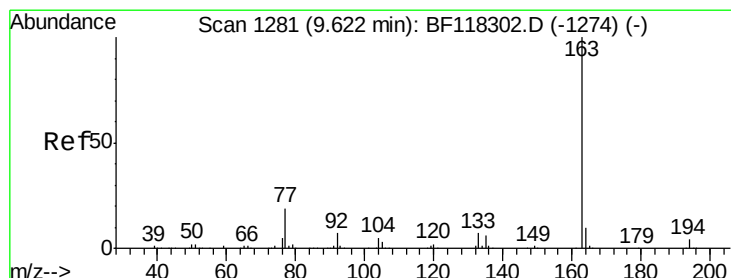
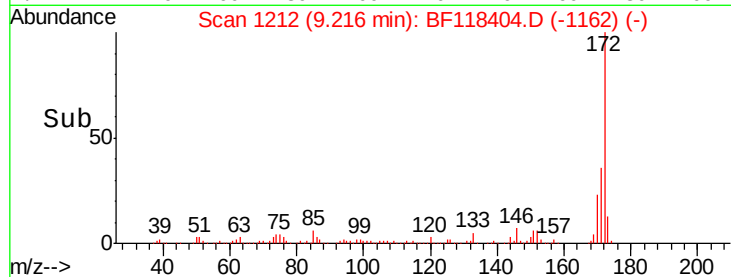
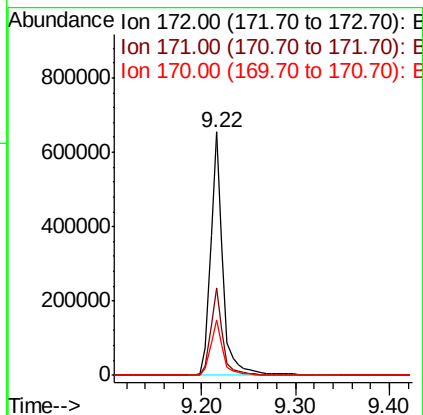
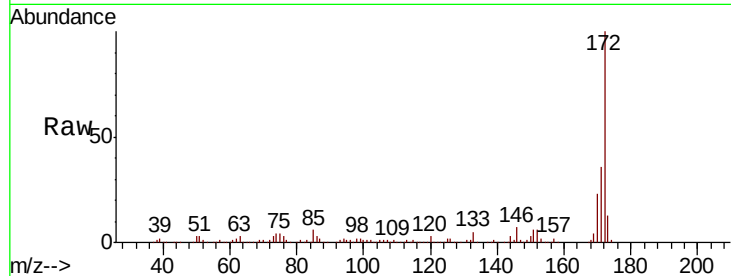




#45
2-Fluorobiphenyl
Concen: 48.326 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118404.D
Acq: 31 Dec 2019 14:40

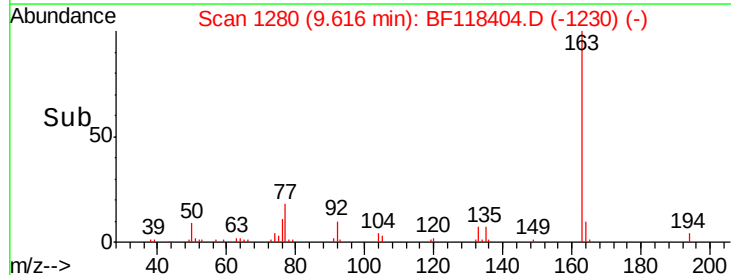
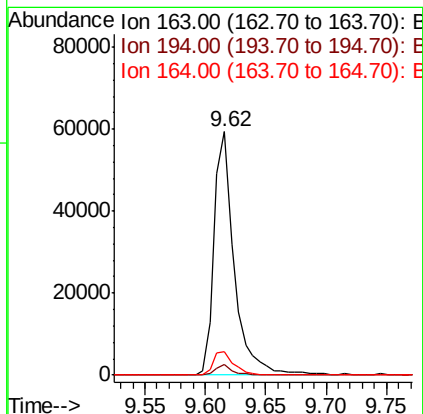
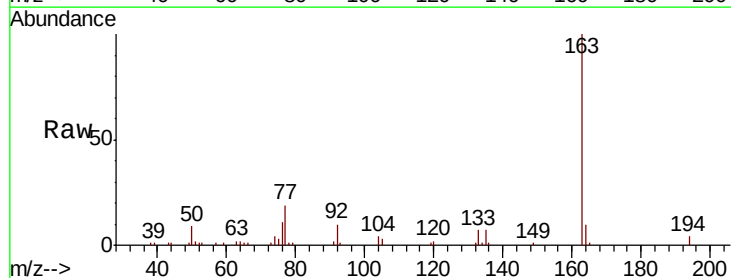
Instrument :
BNA_F
ClientSampleId :

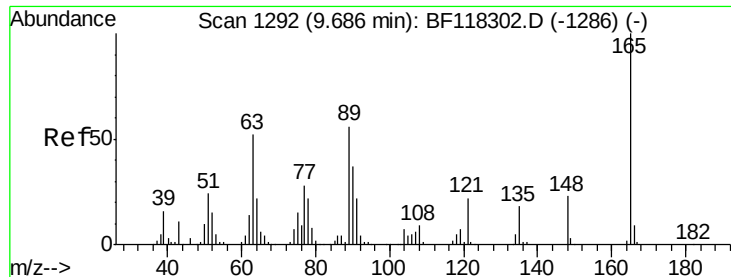
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.3	43.9
170	22.8	19.2	28.8



#50
Dimethylphthalate
Concen: 4.759 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF118404.D
Acq: 31 Dec 2019 14:40

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





#51

2,6-Dinitrotoluene

Concen: 8.062 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF118404.D

Acq: 31 Dec 2019 14:40

Instrument :

BNA_F

ClientSampleId :

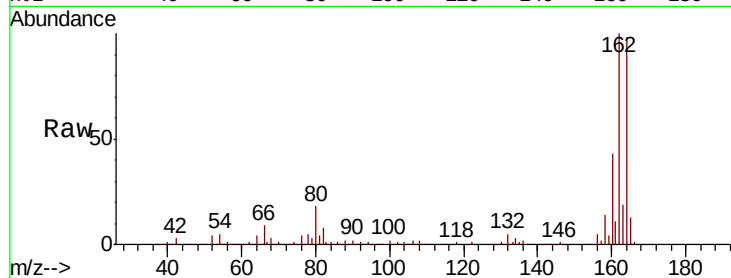
Tot Ion:165 Resp: 24848

Ion Ratio Lower Upper

165 100

63 0.0 42.2 63.4#

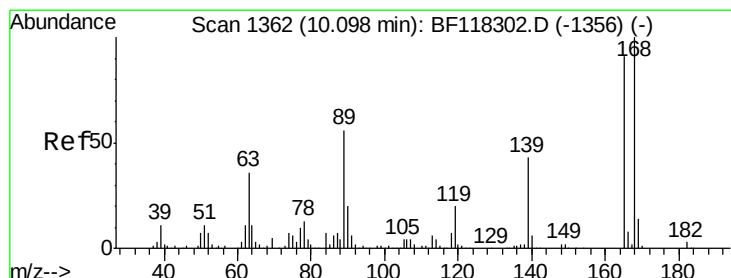
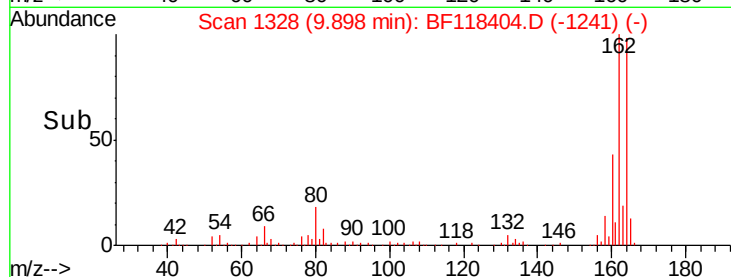
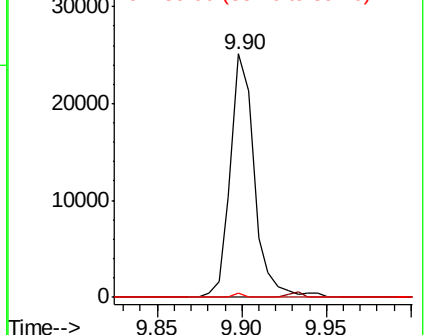
89 1.6 44.4 66.6#



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: 6.033 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.20 min

Lab File: BF118404.D

Acq: 31 Dec 2019 14:40

Tgt Ion:165 Resp: 24848

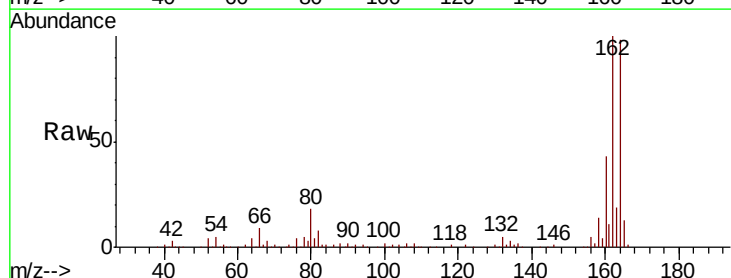
Ion Ratio Lower Upper

165 100

63 0.0 32.0 48.0#

89 1.6 49.3 73.9#

182 0.0 2.4 3.6#

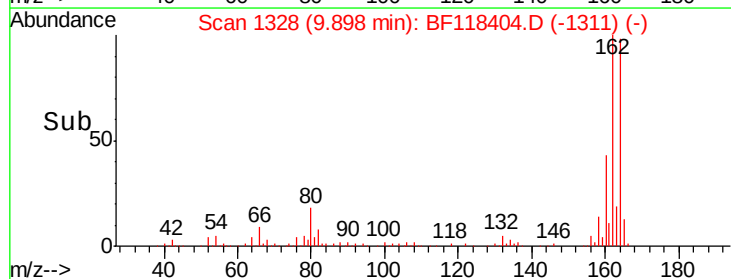
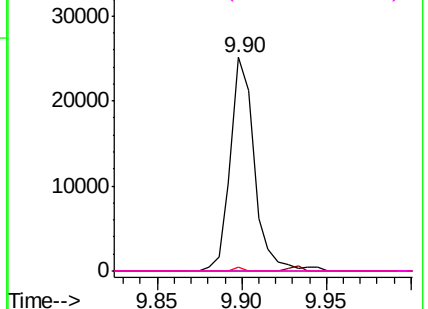


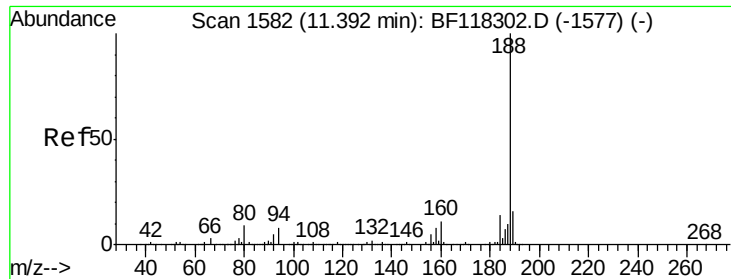
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.40 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF118404.D

Acq: 31 Dec 2019 14:40

Instrument :

BNA_F

ClientSampleId :

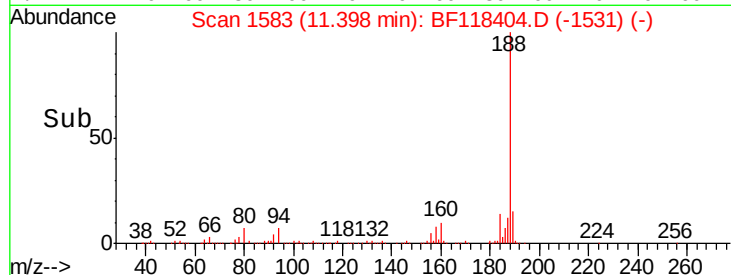
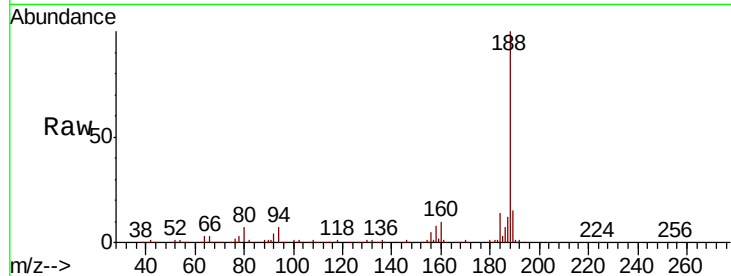
Tot Ion:188 Resp: 385355

Ion Ratio Lower Upper

188 100

94 7.0 6.7 10.1

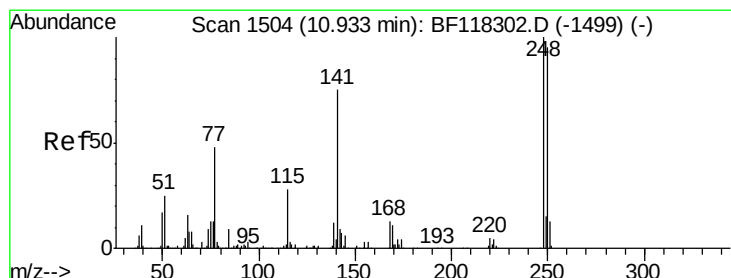
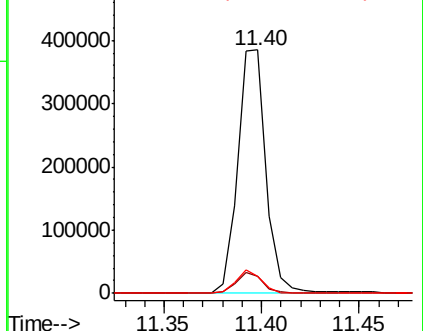
80 7.2 7.2 10.8



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: 2.724 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.24 min

Lab File: BF118404.D

Acq: 31 Dec 2019 14:40

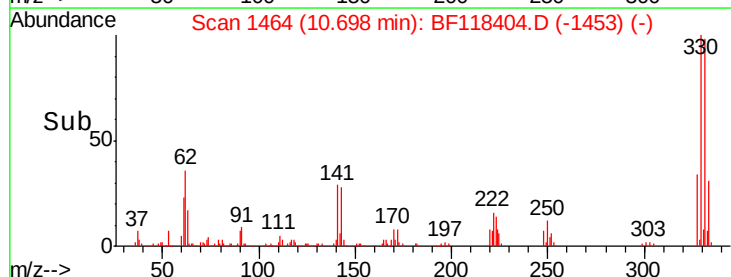
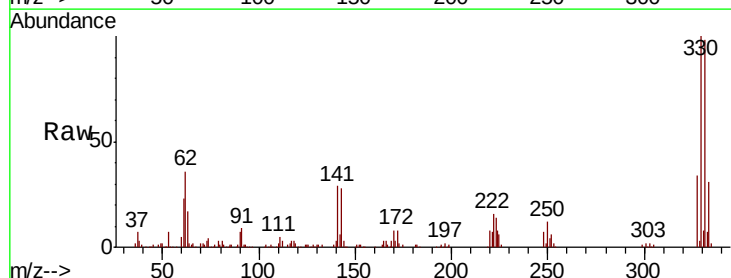
Tgt Ion:248 Resp: 12283

Ion Ratio Lower Upper

248 100

250 177.1 76.4 114.6#

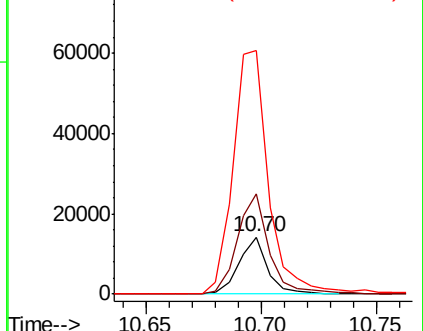
141 428.9 60.2 90.2#

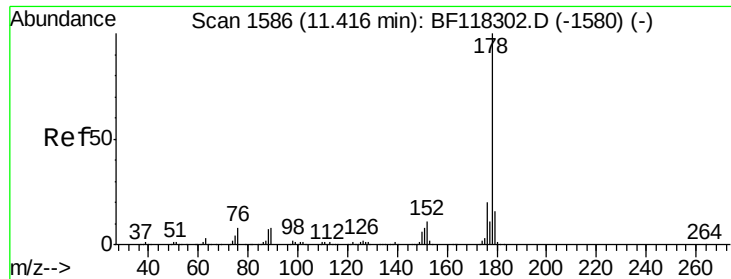


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

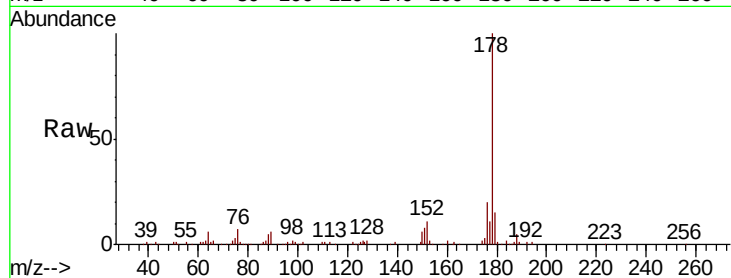




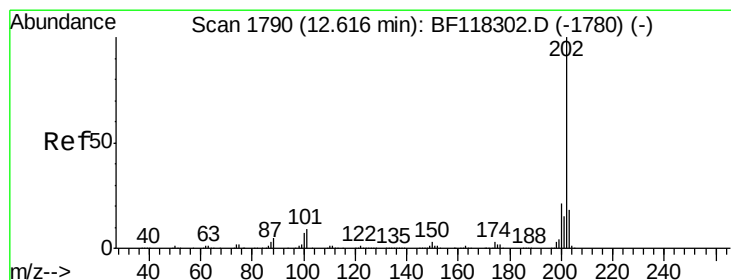
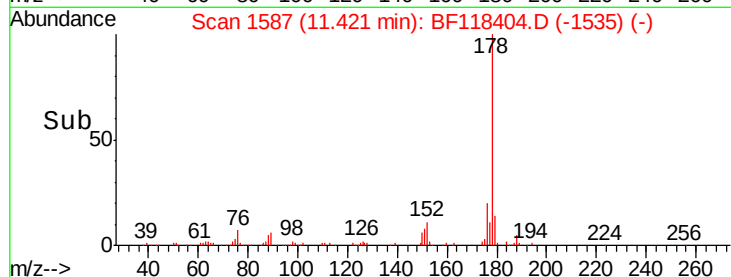
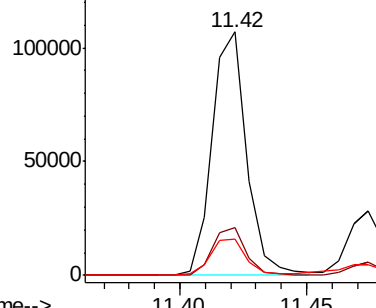
#71
Phenanthrene
Concen: 4.825 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF118404.D
Acq: 31 Dec 2019 14:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 101354
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 14.7 12.6 19.0

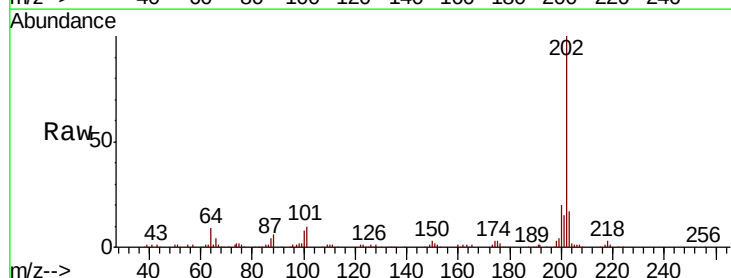


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

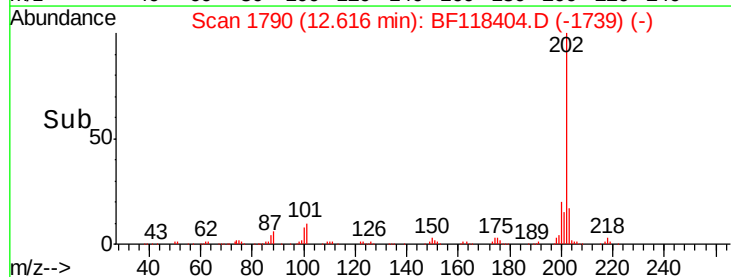
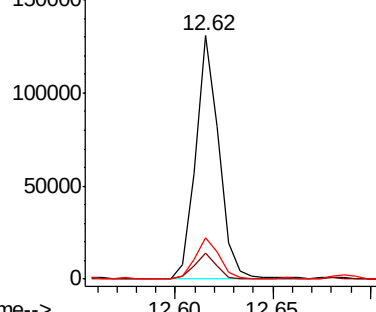


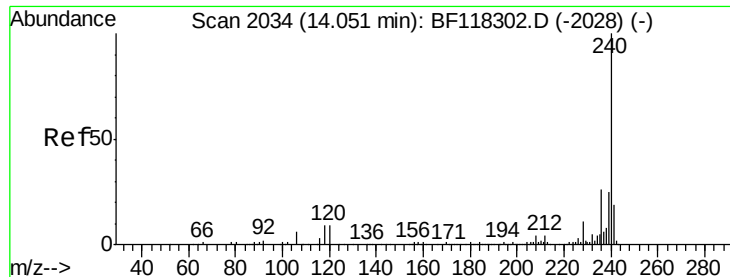
#75
Fluoranthene
Concen: 5.115 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.00 min
Lab File: BF118404.D
Acq: 31 Dec 2019 14:40

Tgt Ion:202 Resp: 108444
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.5
203 17.0 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

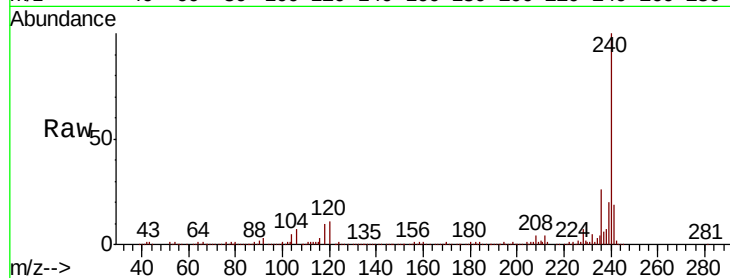




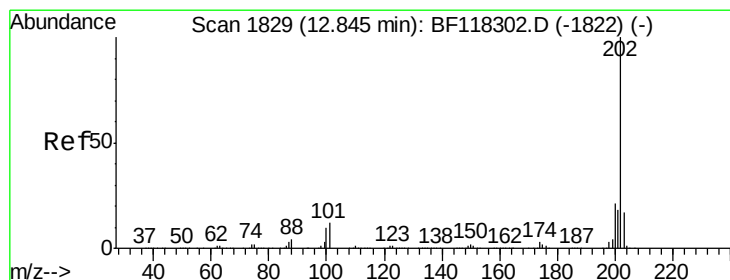
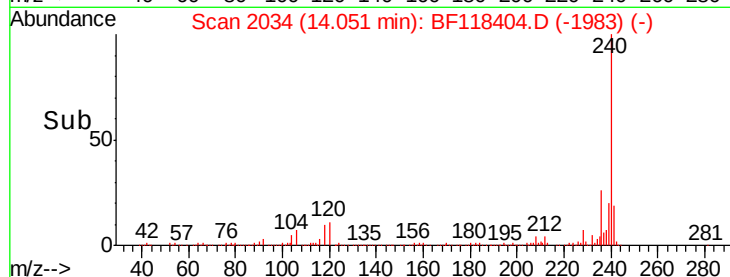
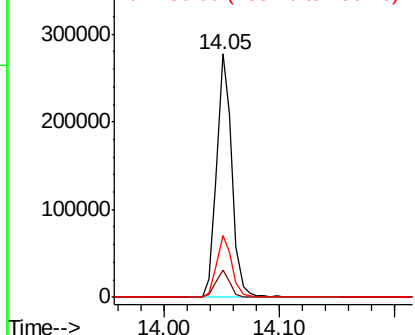
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF118404.D
Acq: 31 Dec 2019 14:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 253995
Ion Ratio Lower Upper
240 100
120 11.0 7.1 10.7#
236 25.6 21.0 31.6

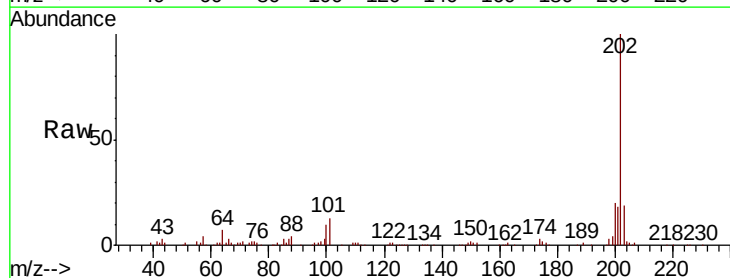


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

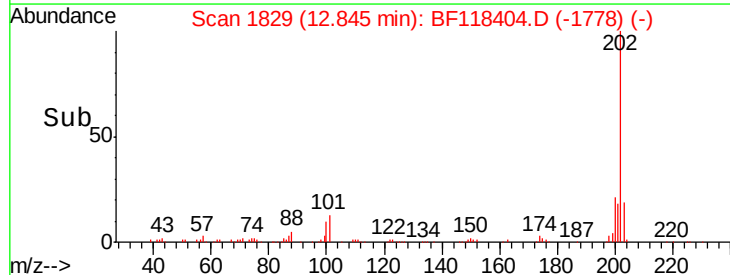
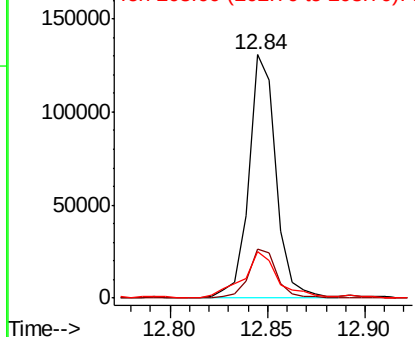


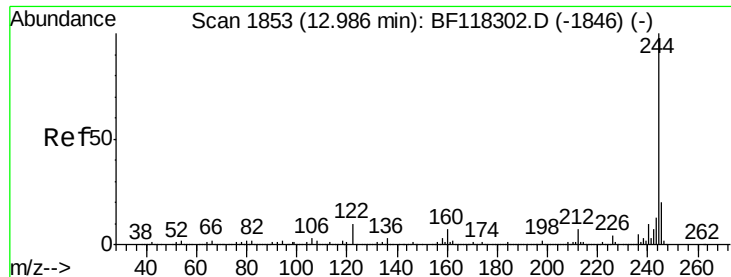
#78
Pyrene
Concen: 6.119 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BF118404.D
Acq: 31 Dec 2019 14:40

Tgt Ion:202 Resp: 126921
Ion Ratio Lower Upper
202 100
200 20.4 16.8 25.2
203 19.0 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





#79

Terphenyl-d14

Concen: 49.389 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF118404.D

Acq: 31 Dec 2019 14:40

Instrument :

BNA_F

ClientSampled :

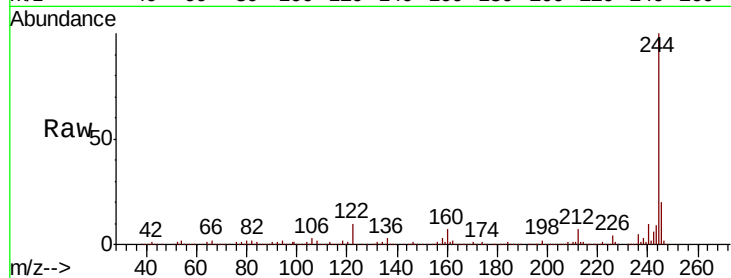
Tot Ion:244 Resp: 756146

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

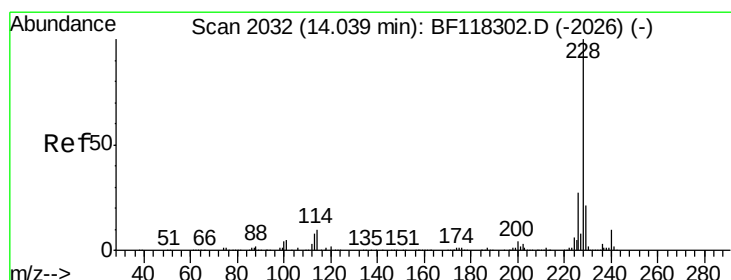
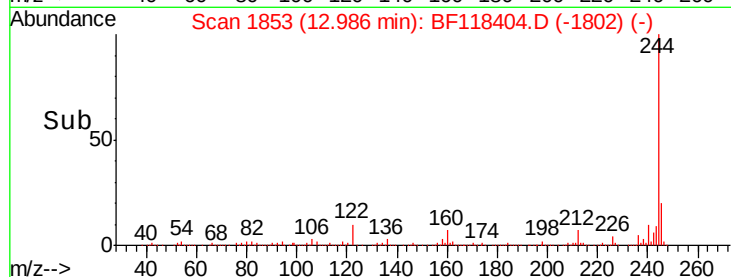
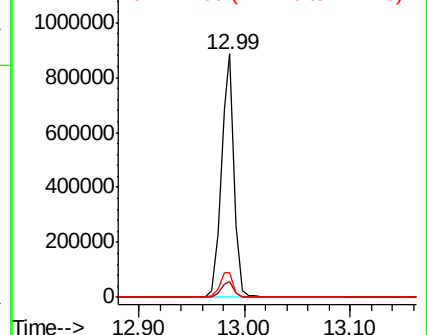
122 9.9 7.8 11.8



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: 2.980 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF118404.D

Acq: 31 Dec 2019 14:40

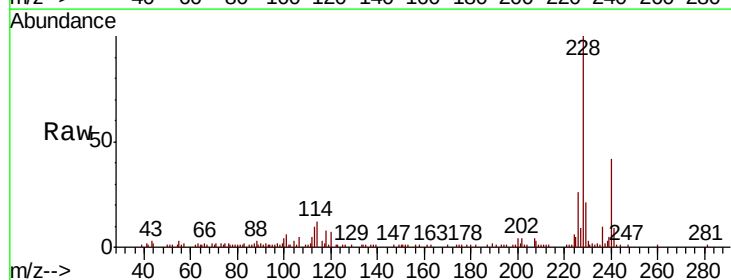
Tgt Ion:228 Resp: 52975

Ion Ratio Lower Upper

228 100

226 26.3 22.0 33.0

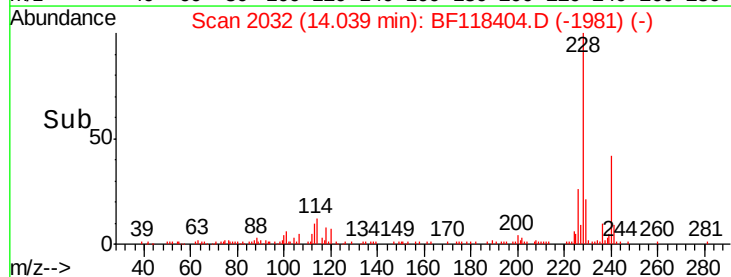
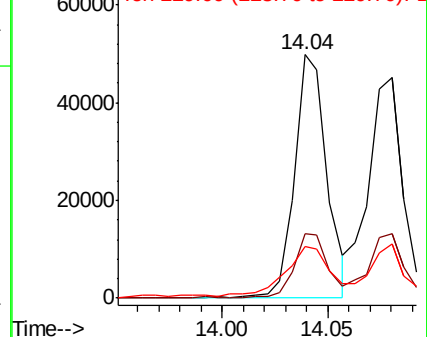
229 21.3 16.6 24.8

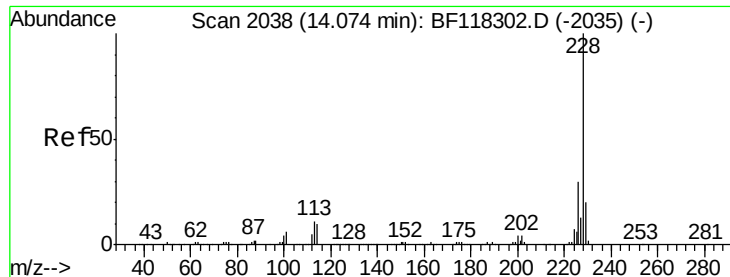


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

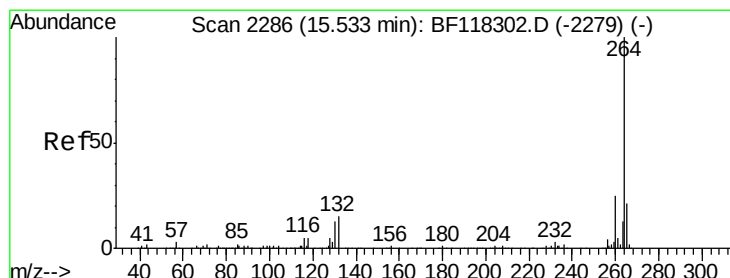
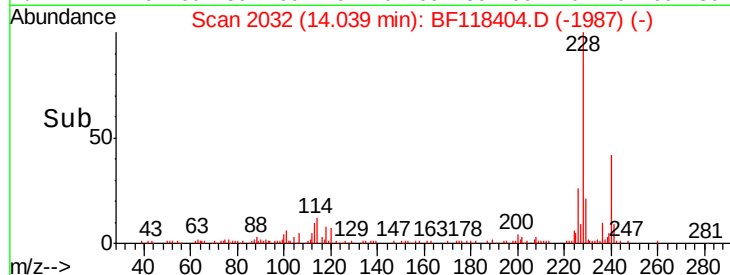
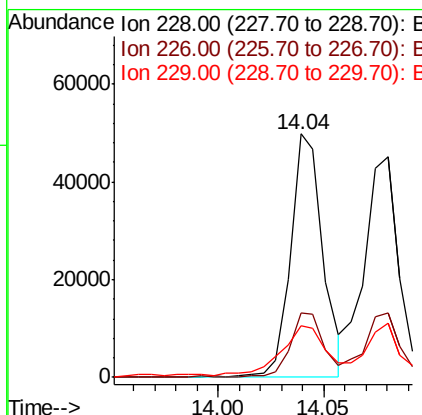
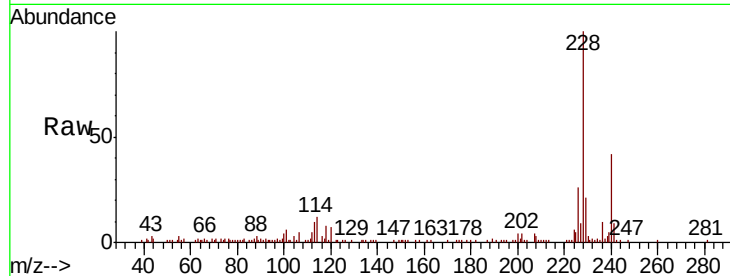




#83
Chrysene
Concen: 3.112 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.04 min
Lab File: BF118404.D
Acq: 31 Dec 2019 14:40

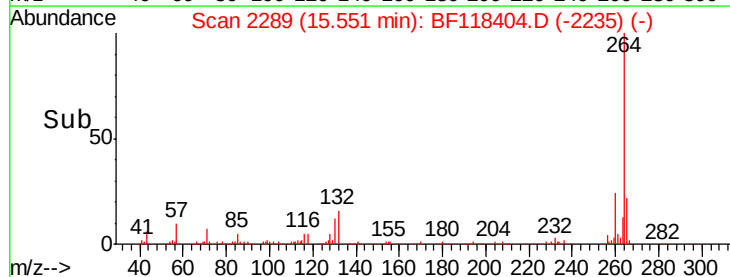
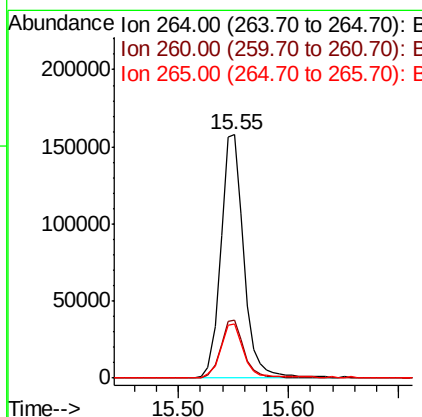
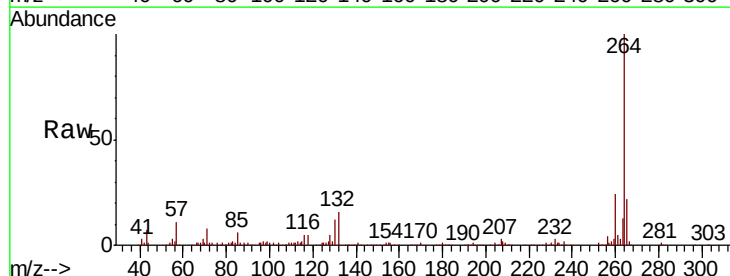
Instrument :
BNA_F
ClientSampleId :

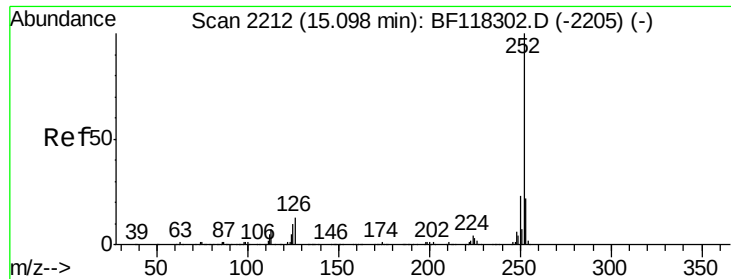
Tot Ion:228 Resp: 52975
Ion Ratio Lower Upper
228 100
226 26.3 23.9 35.9
229 21.3 16.1 24.1



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.02 min
Lab File: BF118404.D
Acq: 31 Dec 2019 14:40

Tgt Ion:264 Resp: 229771
Ion Ratio Lower Upper
264 100
260 23.7 19.8 29.6
265 22.0 17.0 25.4

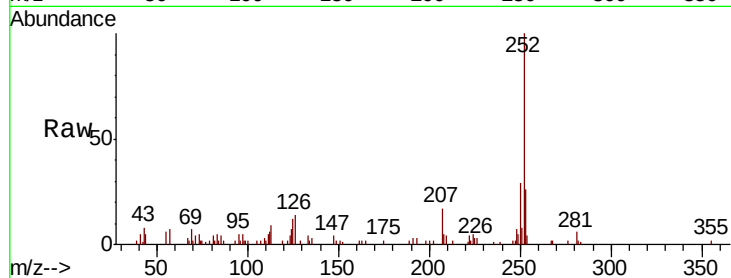




#88
Benzo(b)fluoranthene
Concen: 2.991 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF118404.D
Acq: 31 Dec 2019 14:40

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.5	26.3
125	11.5	7.7	11.5#

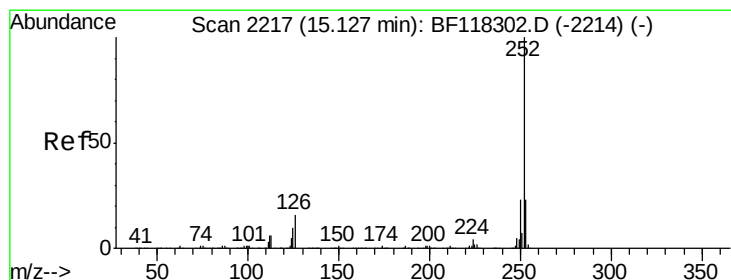
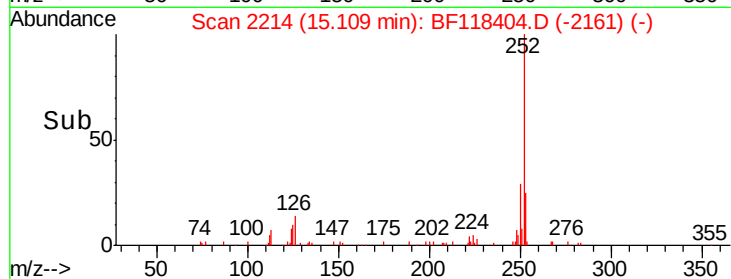
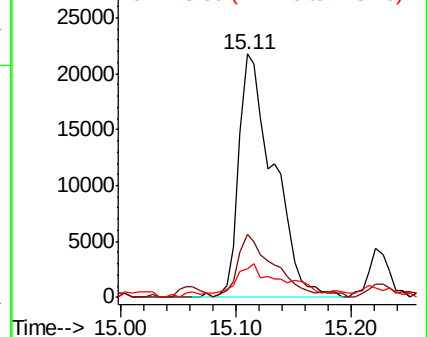


Abundance

Ion 252.00 (251.70 to 252.70): E

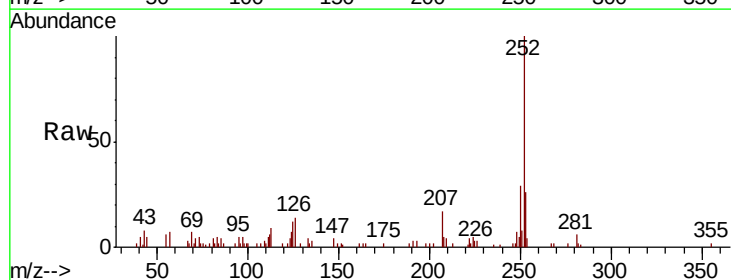
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 3.115 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF118404.D
Acq: 31 Dec 2019 14:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.0	27.0
125	11.5	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

