

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\
 Data File : BF118237.D
 Acq On : 17 Dec 2019 20:19
 Operator : JU
 Sample : K6328-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 18 05:05:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	134706	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	509314	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	247038	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	377207	20.00	ng	0.00
76) Chrysene-d12	14.06	240	262997	20.00	ng	-0.01
87) Perylene-d12	15.56	264	231548	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	621832	80.85	ng	0.00
7) Phenol-d6	6.49	99	991721	106.61	ng	0.00
23) Nitrobenzene-d5	7.43	82	603549	66.67	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	132145	44.03	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	1180907	72.74	ng	-0.01
79) Terphenyl-d14	12.99	244	934193	61.08	ng	-0.01

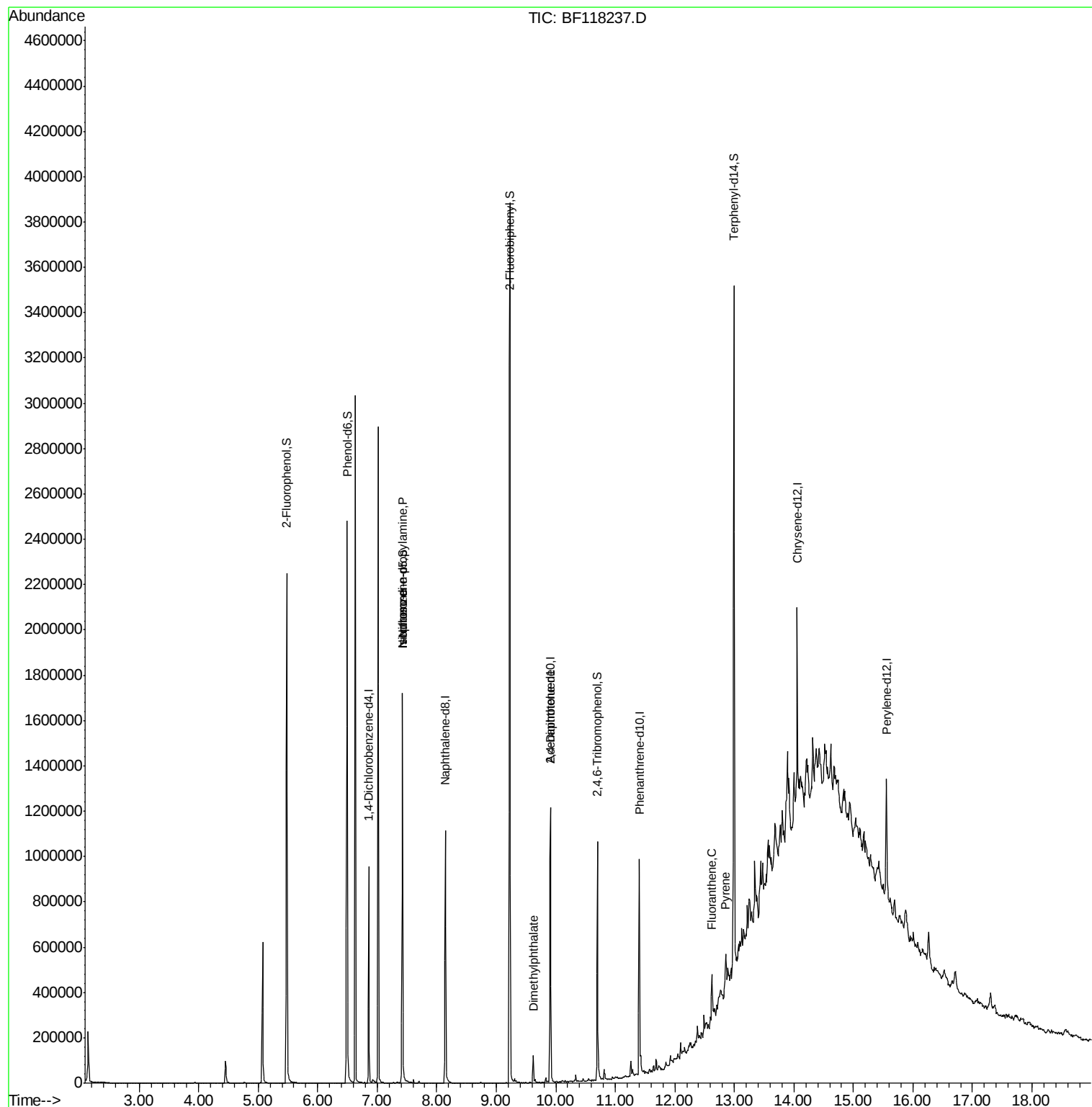
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	1608	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.43	70	87217	15.429	ng	# 78
25) Isophorone	7.43	82	603543	39.326	ng	# 62
50) Dimethylphthalate	9.62	163	54713	2.998	ng	99
57) 2,4-Dinitrotoluene	9.91	165	32085	6.058	ng	# 25
75) Fluoranthene	12.62	202	64196	3.131	ng	96
78) Pyrene	12.85	202	47880	2.310	ng	99

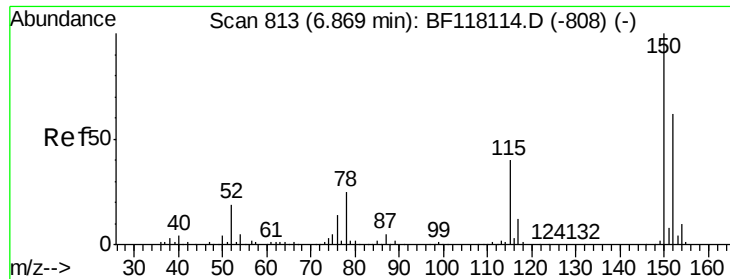
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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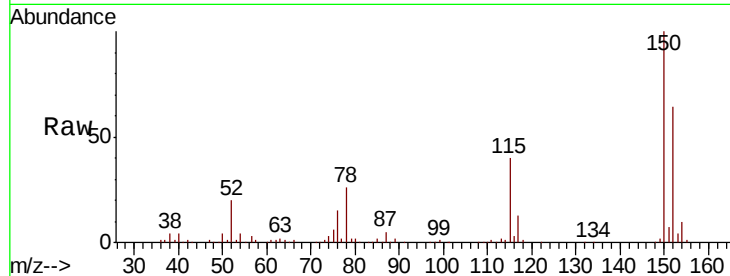


#1

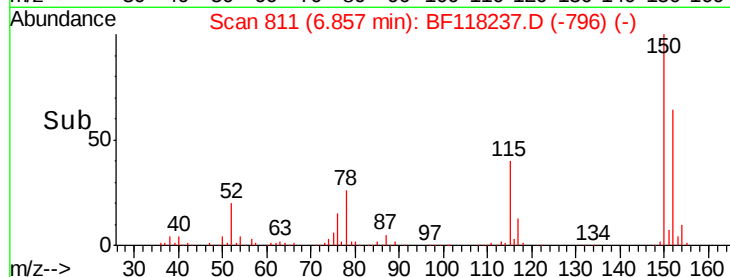
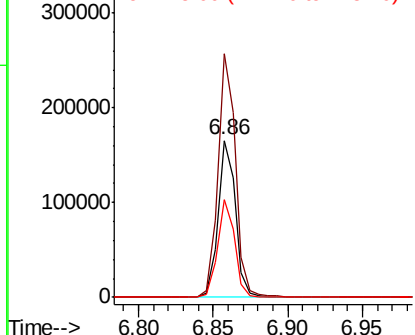
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118237.D
Acq: 17 Dec 2019 20:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134706
Ion Ratio Lower Upper
152 100
150 155.2 128.3 192.5
115 62.4 51.1 76.7



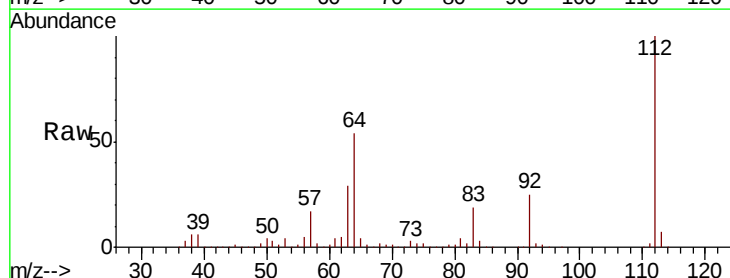
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



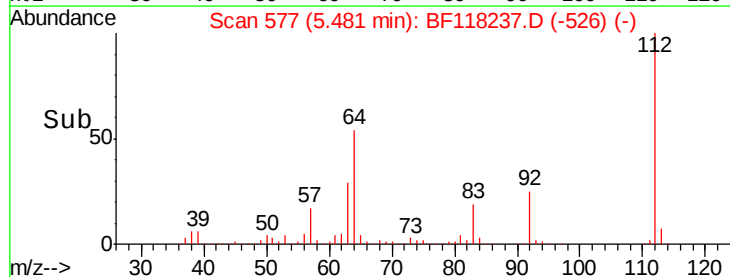
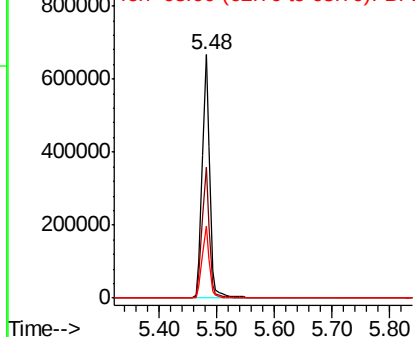
#5

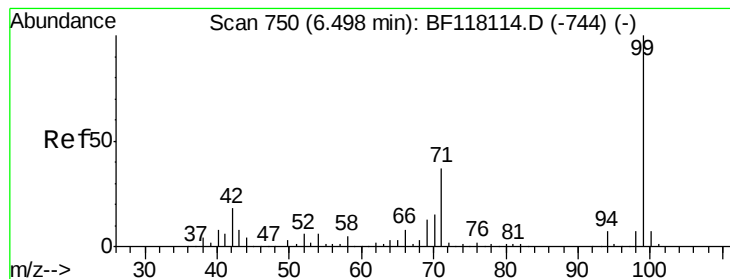
2-Fluorophenol
Concen: 80.851 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF118237.D
Acq: 17 Dec 2019 20:19

Tgt Ion:112 Resp: 621832
Ion Ratio Lower Upper
112 100
64 53.6 41.3 61.9
63 29.4 22.4 33.6



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: 106.607 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118237.D

Acq: 17 Dec 2019 20:19

Instrument :

BNA_F

ClientSampled :

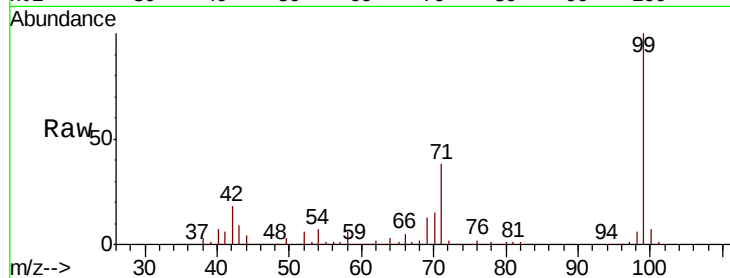
Tot Ion: 99 Resp: 991721

Ion Ratio Lower Upper

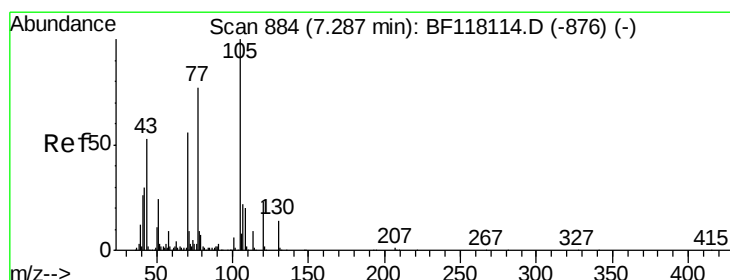
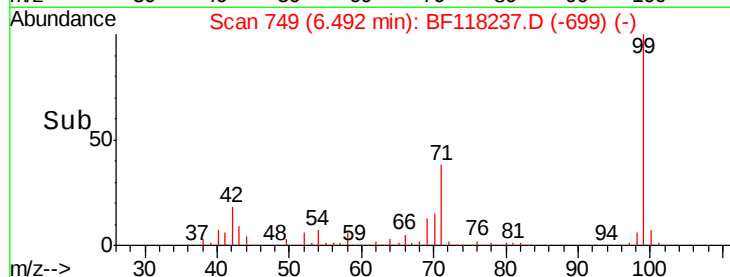
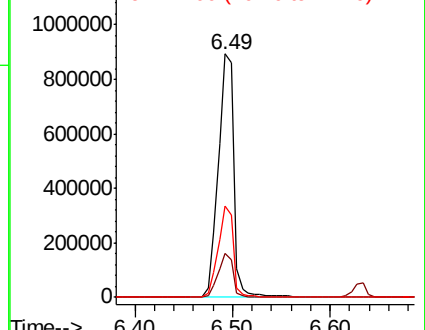
99 100

42 17.9 14.1 21.1

71 37.7 29.7 44.5



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: 15.429 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF118237.D

Acq: 17 Dec 2019 20:19

Tgt Ion: 70 Resp: 87217

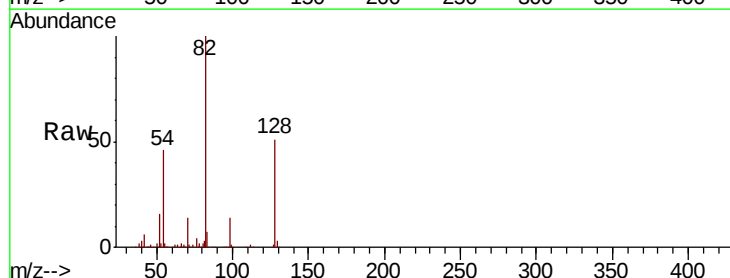
Ion Ratio Lower Upper

70 100

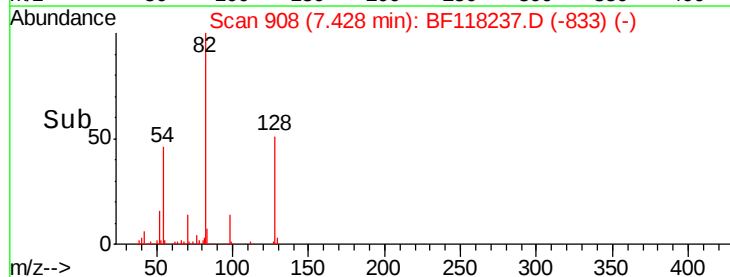
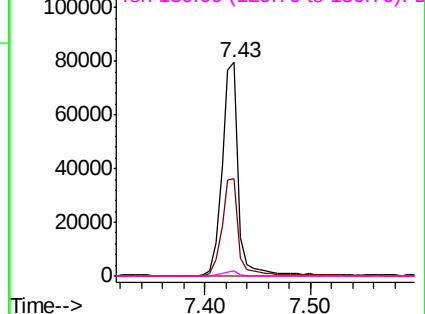
42 45.7 43.2 64.8

101 0.0 8.1 12.1#

130 2.6 19.8 29.8#



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: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF118237.D

Acq: 17 Dec 2019 20:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 509314

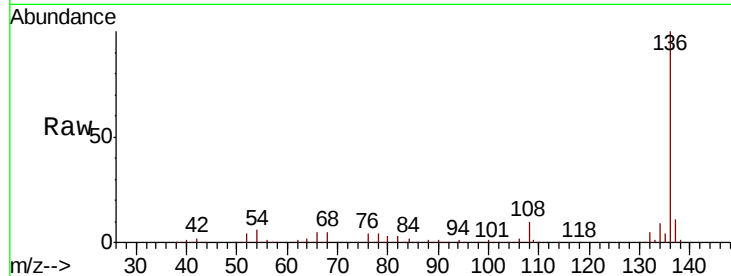
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 6.4 5.0 7.6

68 4.6 3.8 5.8

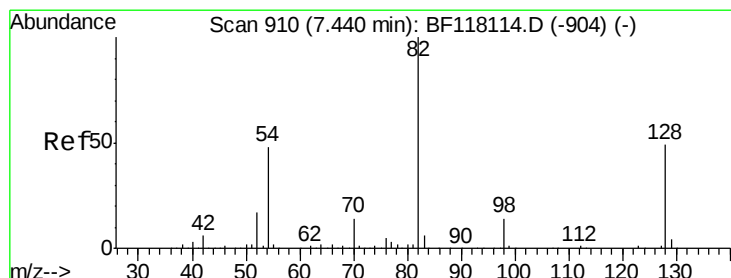
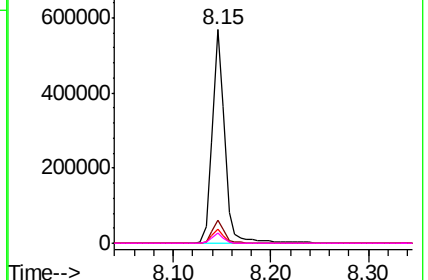
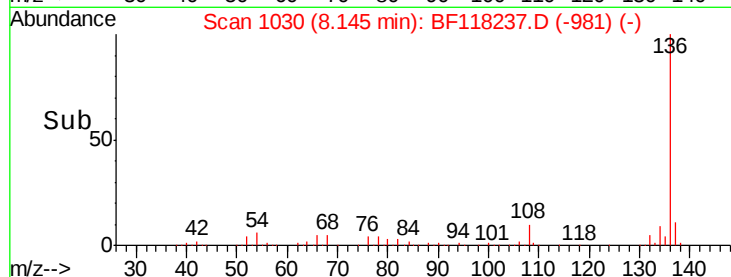


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.667 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF118237.D

Acq: 17 Dec 2019 20:19

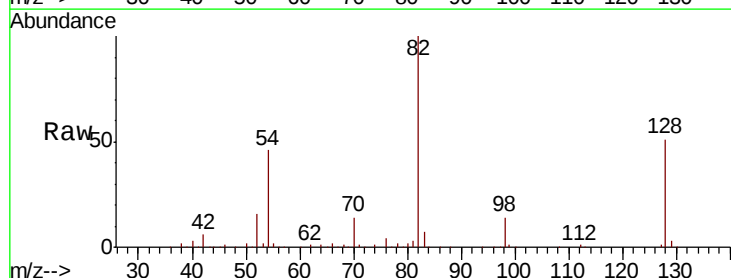
Tgt Ion: 82 Resp: 603549

Ion Ratio Lower Upper

82 100

128 50.7 39.1 58.7

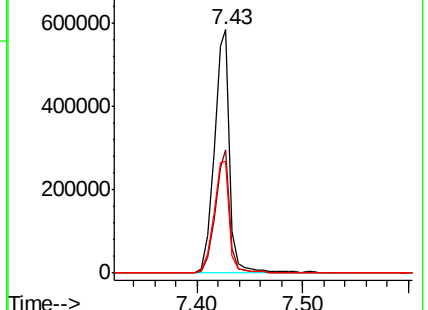
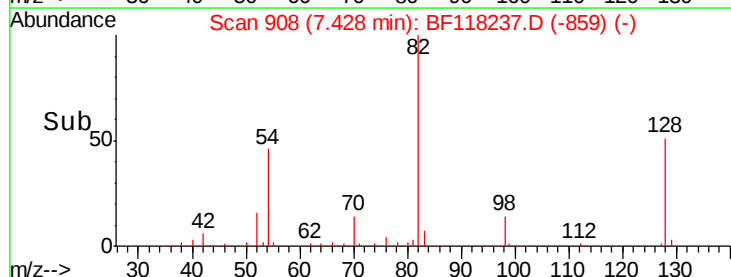
54 46.0 38.2 57.2

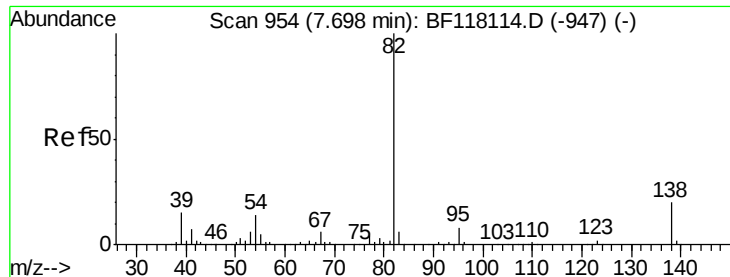


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.326 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.27 min

Lab File: BF118237.D

Acq: 17 Dec 2019 20:19

Instrument :

BNA_F

ClientSampleId :

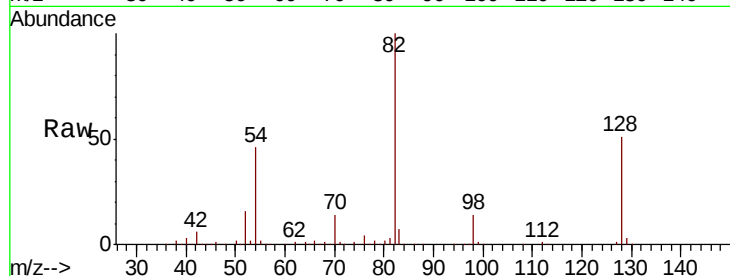
Tot Ion: 82 Resp: 603543

Ion Ratio Lower Upper

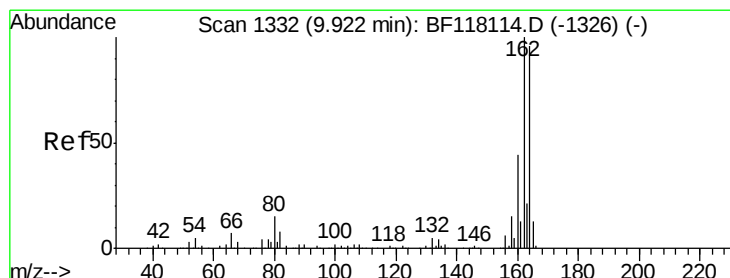
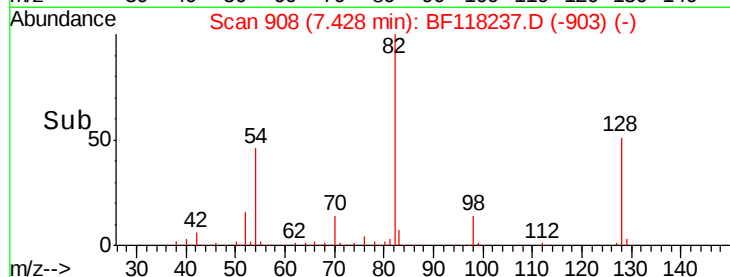
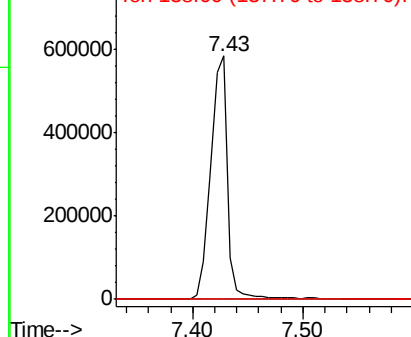
82 100

95 0.0 6.3 9.5#

138 0.0 16.3 24.5#



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: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118237.D

Acq: 17 Dec 2019 20:19

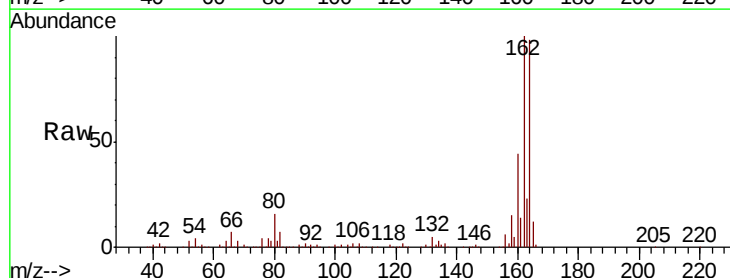
Tgt Ion:164 Resp: 247038

Ion Ratio Lower Upper

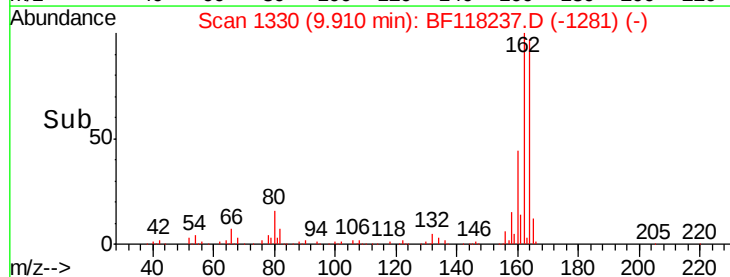
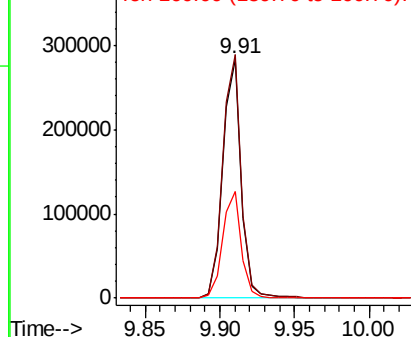
164 100

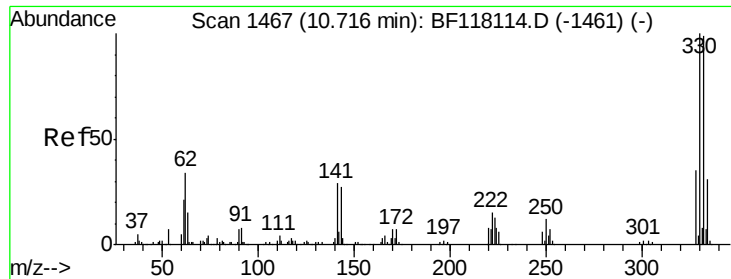
162 101.8 83.4 125.0

160 44.6 36.6 54.8



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: 44.033 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.02 min

Lab File: BF118237.D

Acq: 17 Dec 2019 20:19

Instrument :

BNA_F

ClientSampleId :

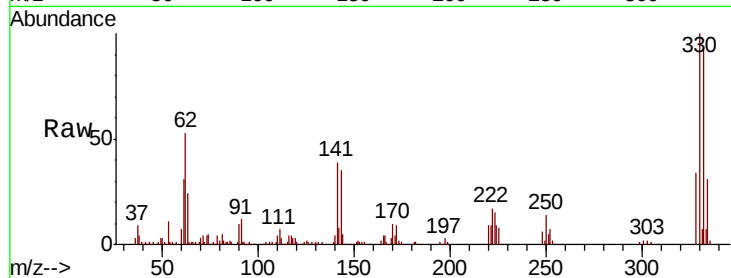
Tot Ion:330 Resp: 132145

Ion Ratio Lower Upper

330 100

332 96.2 78.1 117.1

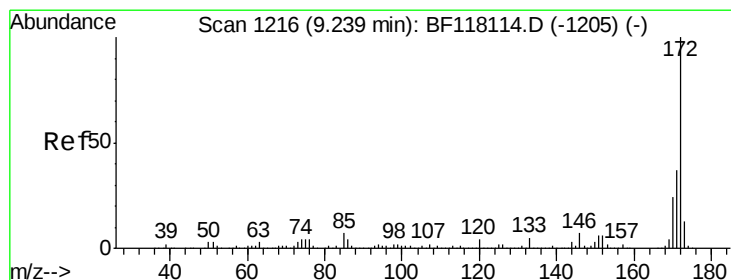
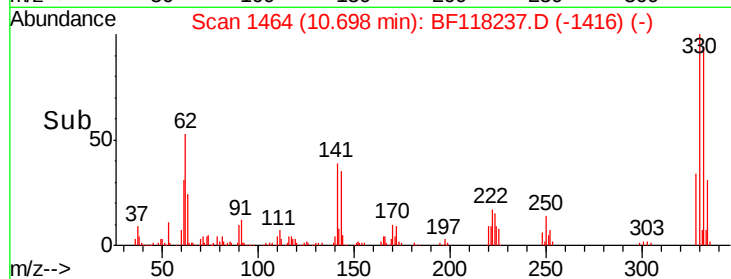
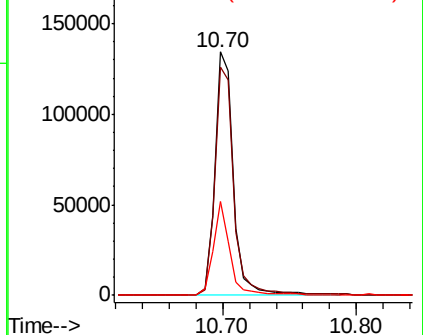
141 34.6 26.9 40.3



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: 72.739 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF118237.D

Acq: 17 Dec 2019 20:19

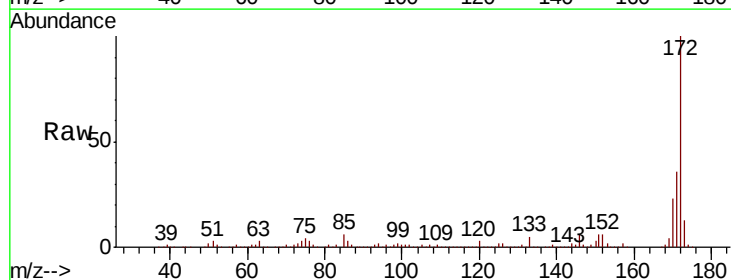
Tgt Ion:172 Resp: 1180907

Ion Ratio Lower Upper

172 100

171 35.9 29.2 43.8

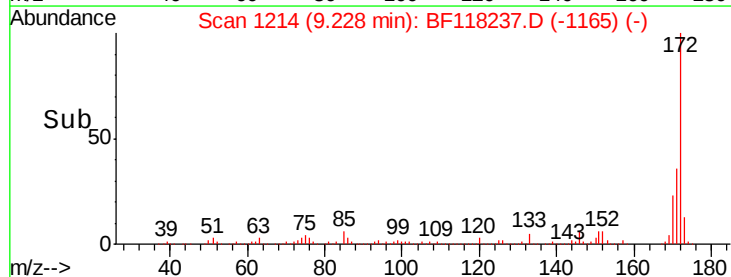
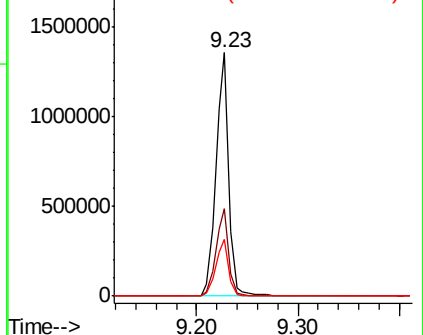
170 23.5 19.4 29.2

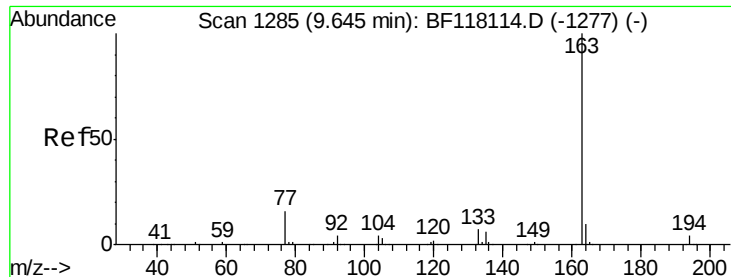


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.998 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF118237.D

Acq: 17 Dec 2019 20:19

Instrument :

BNA_F

ClientSampleId :

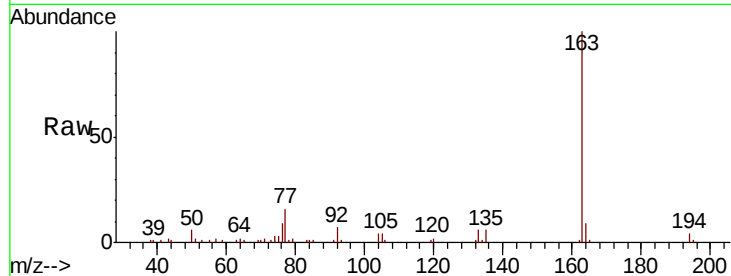
Tot Ion:163 Resp: 54713

Ion Ratio Lower Upper

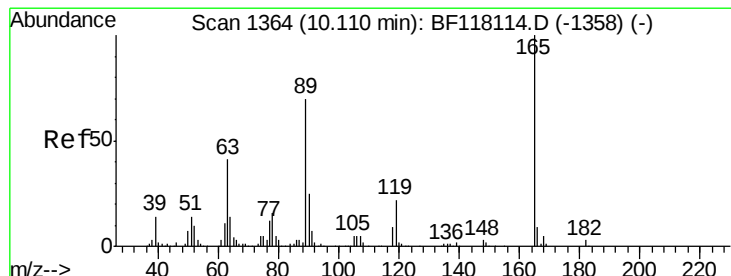
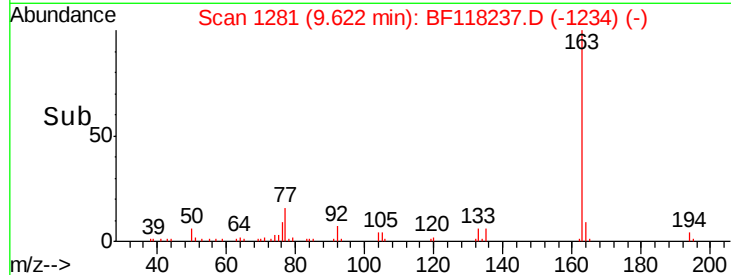
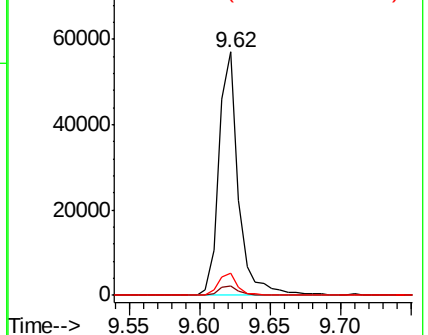
163 100

194 4.0 3.1 4.7

164 8.9 7.7 11.5



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



#57

2,4-Dinitrotoluene

Concen: 6.058 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.20 min

Lab File: BF118237.D

Acq: 17 Dec 2019 20:19

Tgt Ion:165 Resp: 32085

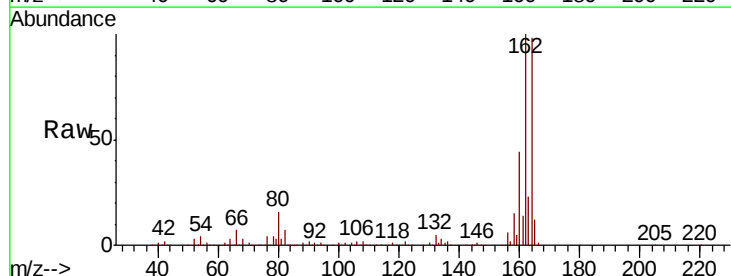
Ion Ratio Lower Upper

165 100

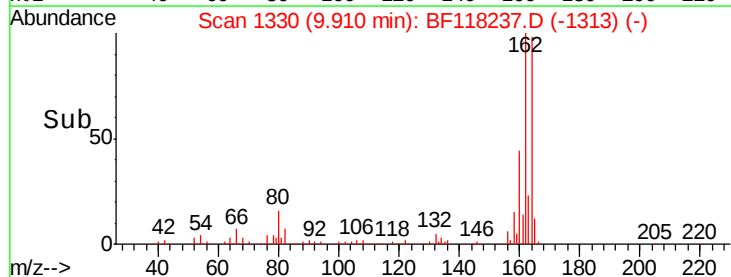
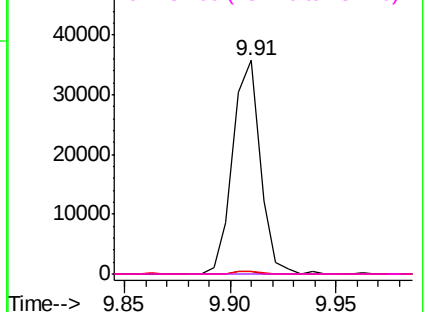
63 1.5 32.6 49.0#

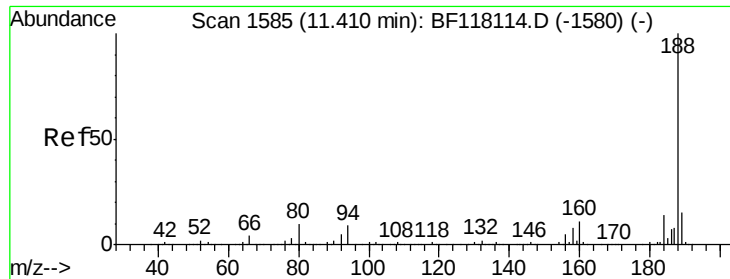
89 1.4 56.1 84.1#

182 0.0 2.1 3.1#



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

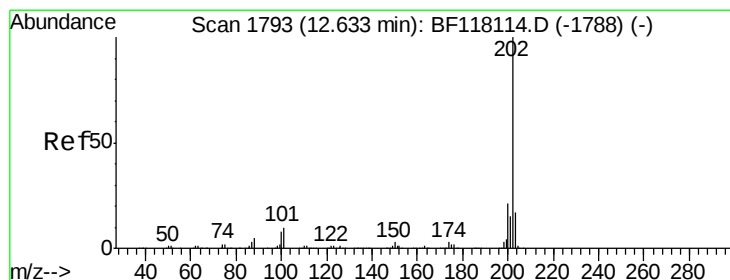
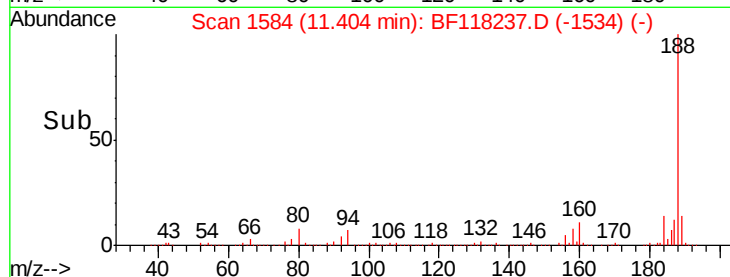
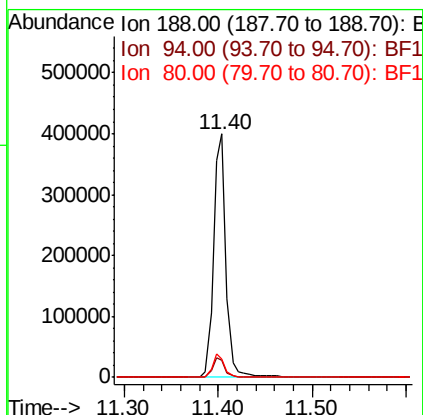
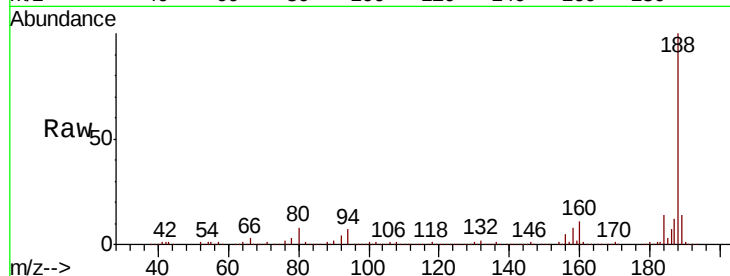




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118237.D
Acq: 17 Dec 2019 20:19

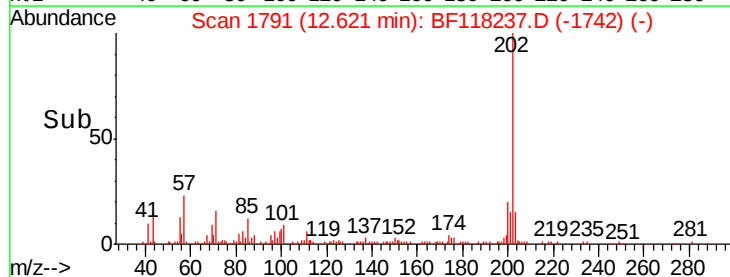
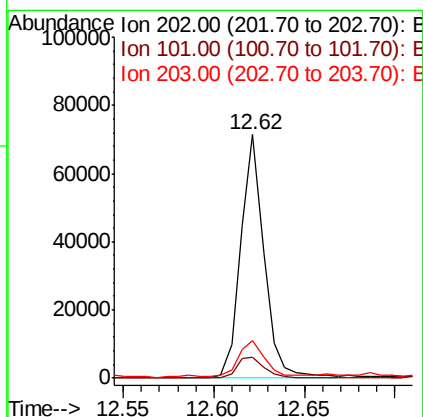
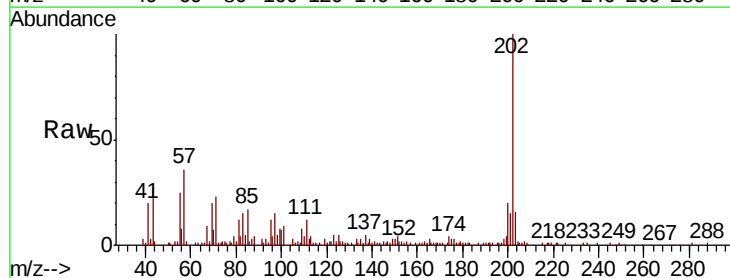
Instrument :
BNA_F
ClientSampled :

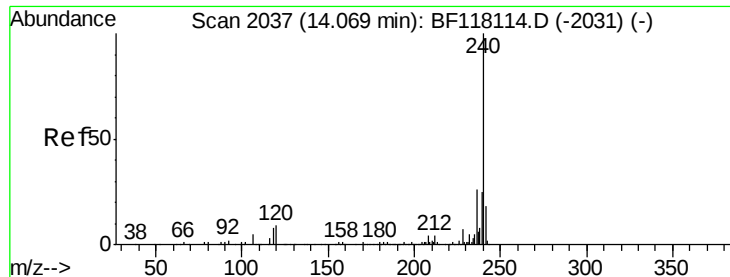
Tot Ion:188 Resp: 377207
Ion Ratio Lower Upper
188 100
94 7.2 7.1 10.7
80 7.8 7.9 11.9#



#75
Fluoranthene
Concen: 3.131 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF118237.D
Acq: 17 Dec 2019 20:19

Tgt Ion:202 Resp: 64196
Ion Ratio Lower Upper
202 100
101 8.7 0.0 30.4
203 15.6 0.0 37.2

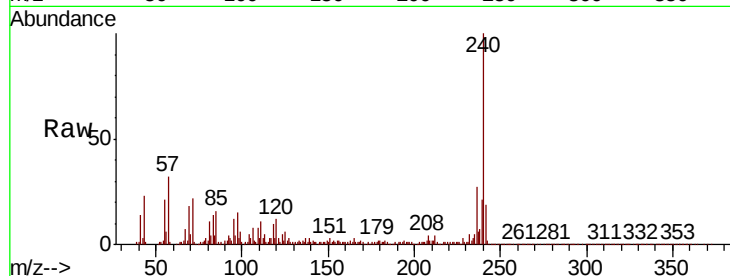




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118237.D
Acq: 17 Dec 2019 20:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.0	7.1	10.7#
236	26.8	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

14.06

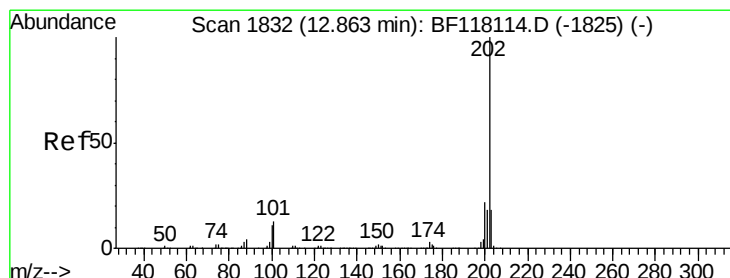
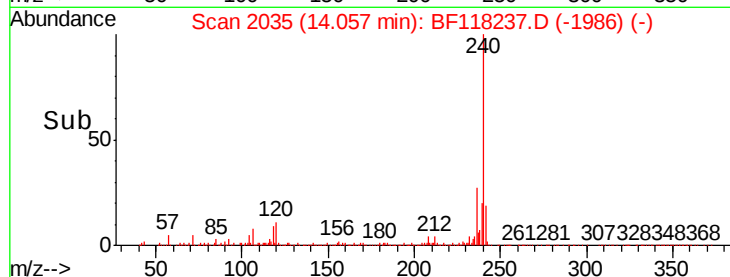
300000

200000

100000

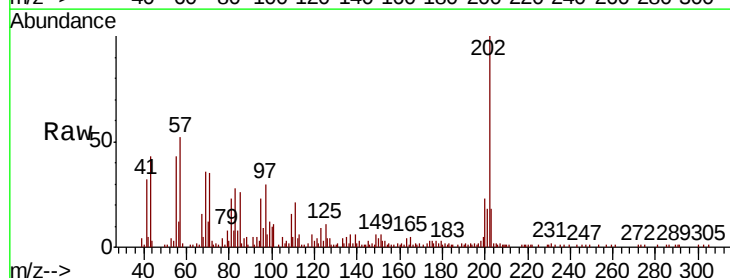
0

Time-->



#78
Pyrene
Concen: 2.310 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF118237.D
Acq: 17 Dec 2019 20:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.9	17.5	26.3
203	18.3	14.6	21.8



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

12.85

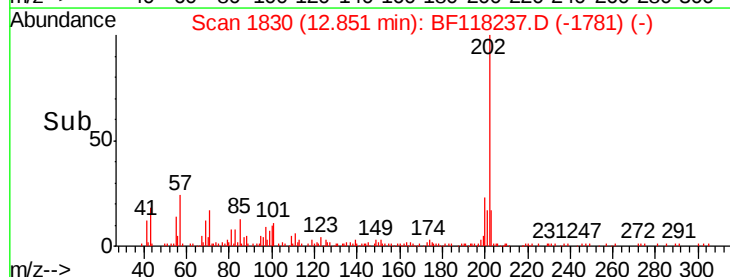
60000

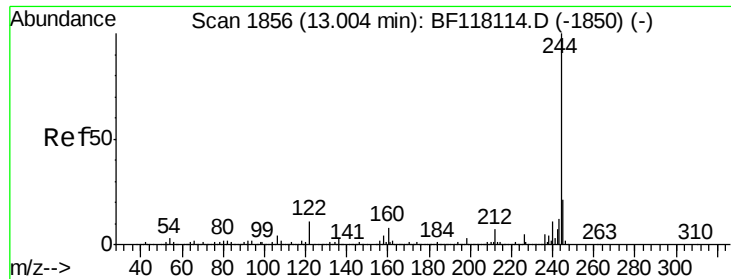
40000

20000

0

Time-->

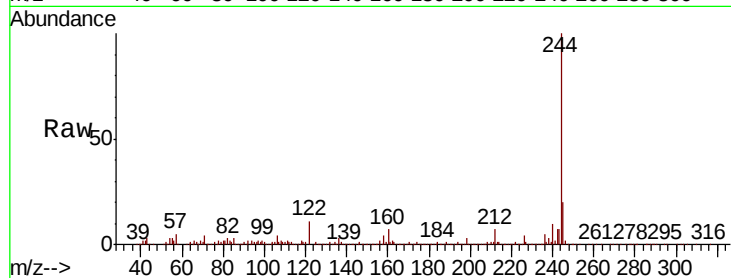




#79
 Terphenyl-d14
 Concen: 61.083 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF118237.D
 Acq: 17 Dec 2019 20:19

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	11.4	9.0	13.6

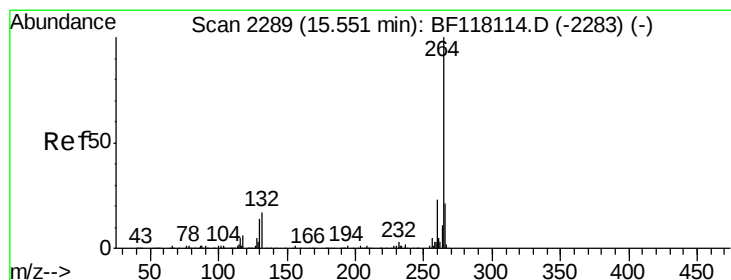
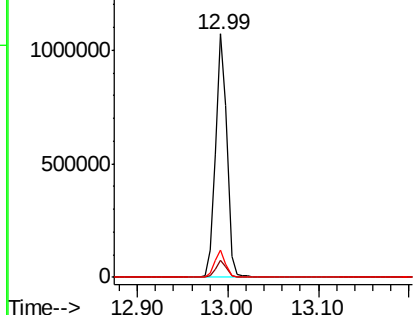
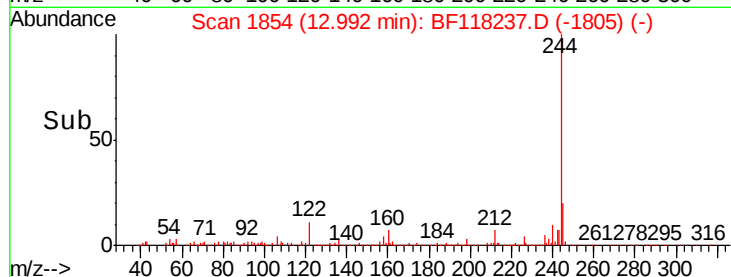


Abundance

Ion 244.00 (243.70 to 244.70): E

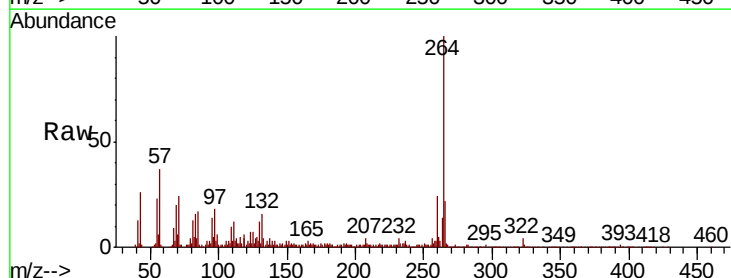
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2290
 Delta R.T. 0.01 min
 Lab File: BF118237.D
 Acq: 17 Dec 2019 20:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	28.0
265	21.7	16.8	25.2



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

