

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120519\
 Data File : BF118110.D
 Acq On : 5 Dec 2019 18:33
 Operator : JU
 Sample : K6098-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 06 03:33:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 03 15:16:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	116416	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	447012	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	236048	20.00	ng	-0.02
64) Phenanthrene-d10	11.41	188	432891	20.00	ng	-0.01
76) Chrysene-d12	14.06	240	265221	20.00	ng	-0.01
87) Perylene-d12	15.56	264	248977	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	659809	100.32	ng	0.00
7) Phenol-d6	6.50	99	561923	70.84	ng	-0.01
23) Nitrobenzene-d5	7.43	82	677548	90.10	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	355819	142.38	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1326227	100.80	ng	0.00
79) Terphenyl-d14	13.00	244	1617481	111.46	ng	-0.01

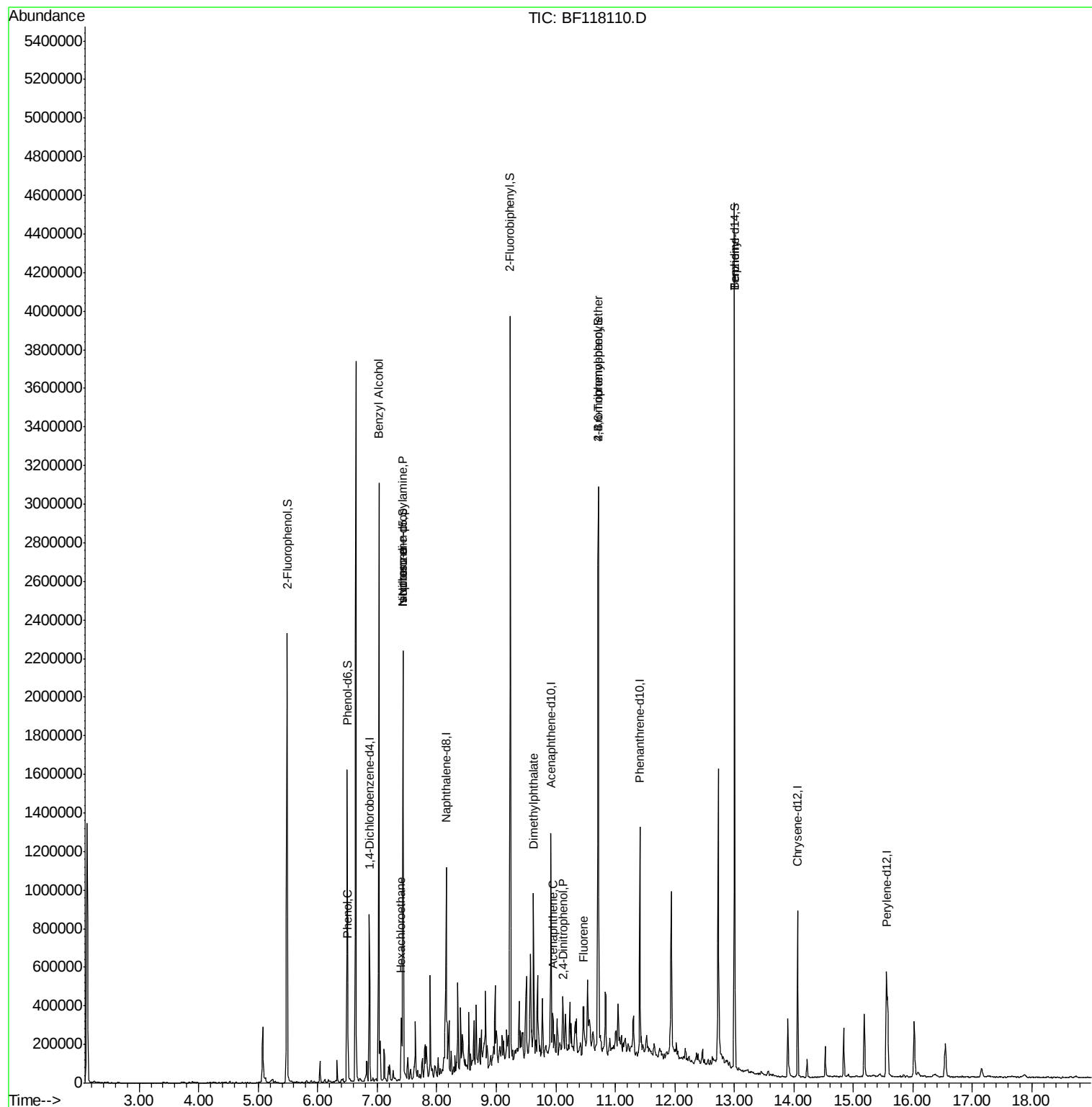
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.42	77	3382	Below Cal		91
10) Phenol	6.51	94	61831	7.501	ng	97
15) Benzyl Alcohol	7.03	79	13862	2.263	ng	# 47
18) Hexachloroethane	7.40	117	33267	10.663	ng	# 17
19) n-Nitroso-di-n-propylamine	7.43	70	95295	19.472	ng	# 73
25) Isophorone	7.43	82	674638	48.949	ng	# 63
50) Dimethylphthalate	9.63	163	295134	17.830	ng	99
52) Acenaphthene	9.95	154	28386	2.110	ng	# 94
54) 2,4-Dinitrophenol	10.13	184	135	7.291	ng	# 1
58) Fluorene	10.47	166	57346	3.972	ng	# 93
67) 4-Bromophenyl-phenylether	10.72	248	22351	4.785	ng	# 1
75) Fluoranthene	12.63	202	8820	Below Cal		95
77) Benzidine	13.00	184	23045	2.653	ng	# 92

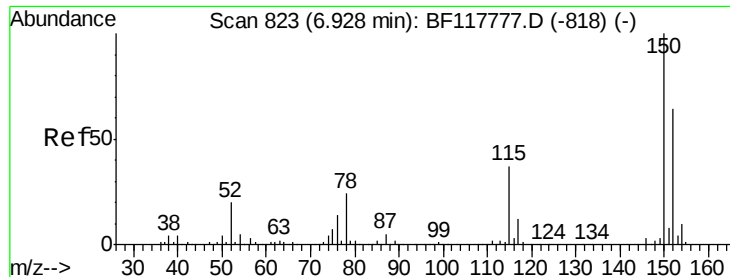
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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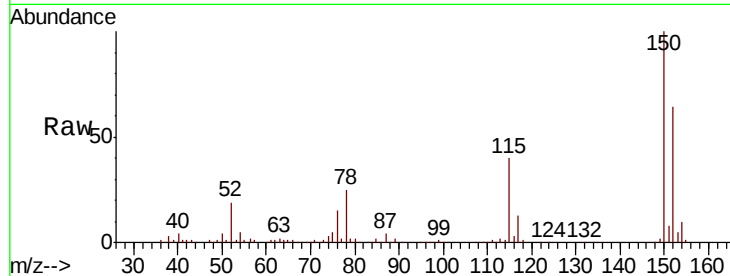


#1

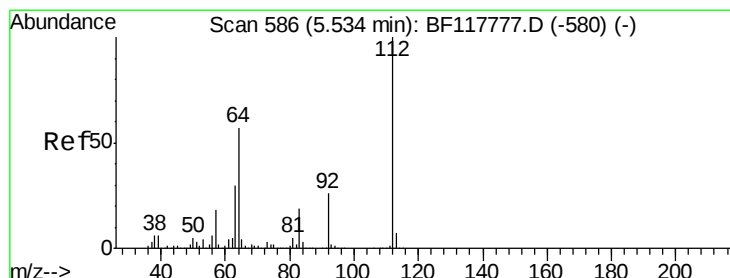
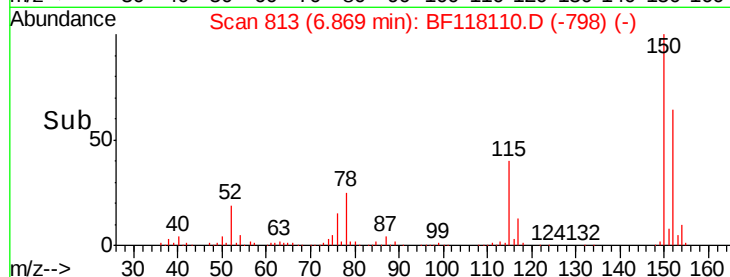
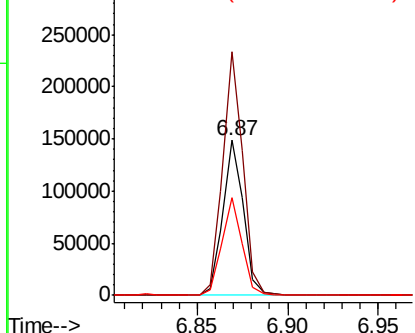
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF118110.D
Acq: 5 Dec 2019 18:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 116416
Ion Ratio Lower Upper
152 100
150 157.4 121.4 182.2
115 62.9 48.8 73.2



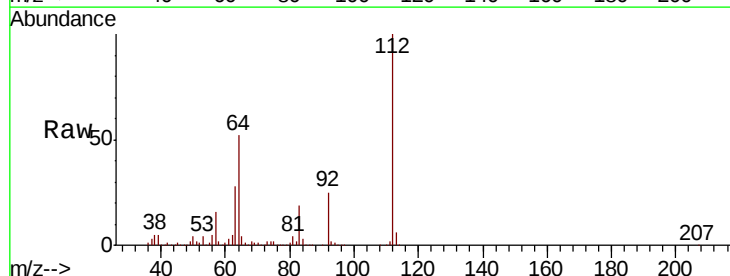
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



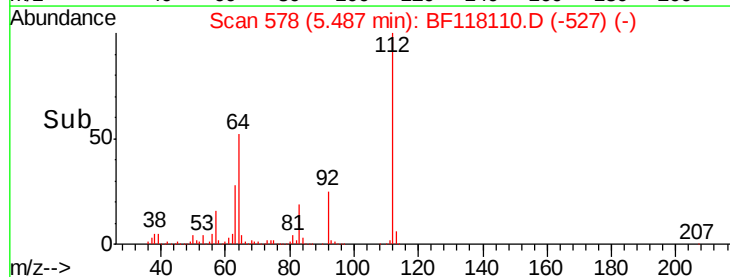
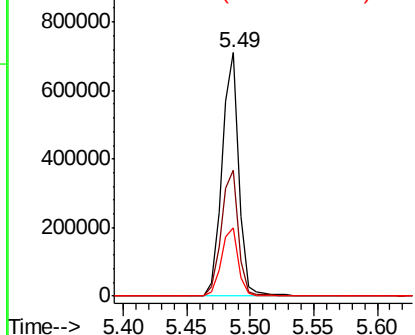
#5

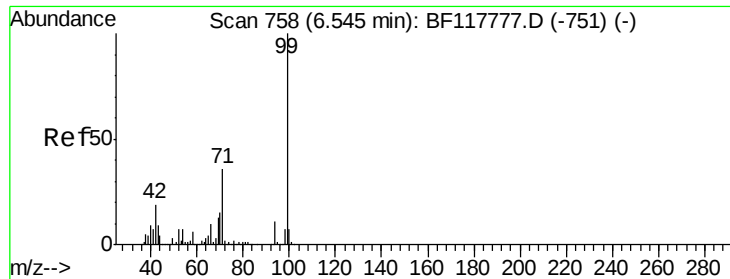
2-Fluorophenol
Concen: 100.324 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF118110.D
Acq: 5 Dec 2019 18:33

Tgt Ion:112 Resp: 659809
Ion Ratio Lower Upper
112 100
64 51.8 45.1 67.7
63 28.1 24.6 37.0



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: 70.837 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF118110.D

Acq: 5 Dec 2019 18:33

Instrument :

BNA_F

ClientSampleId :

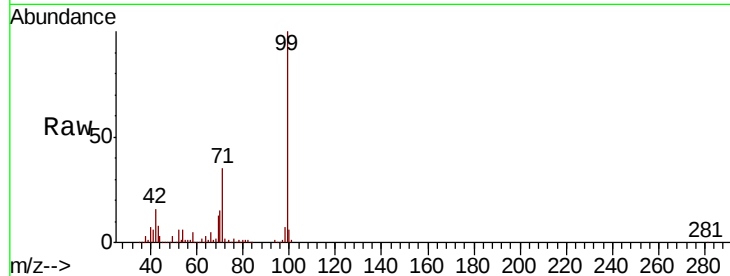
Tot Ion: 99 Resp: 561923

Ion Ratio Lower Upper

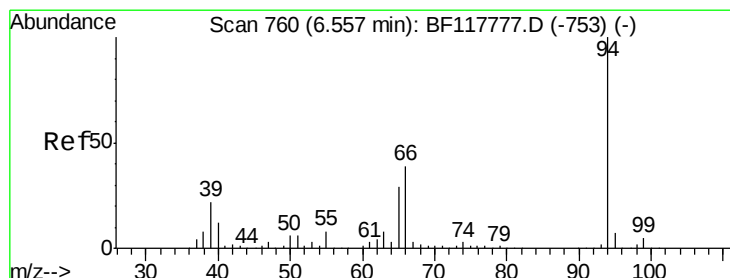
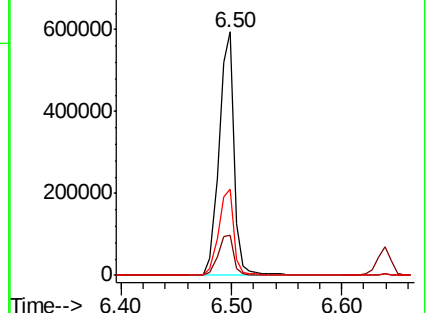
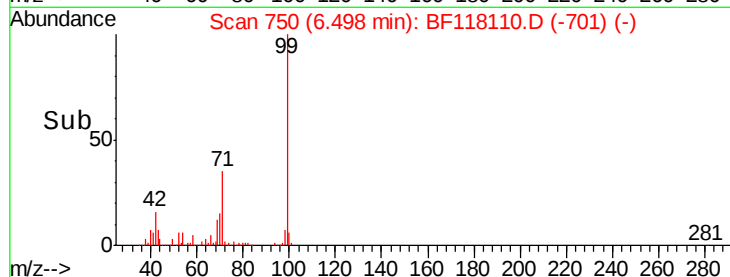
99 100

42 16.2 14.0 21.0

71 35.3 29.2 43.8



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: 7.501 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118110.D

Acq: 5 Dec 2019 18:33

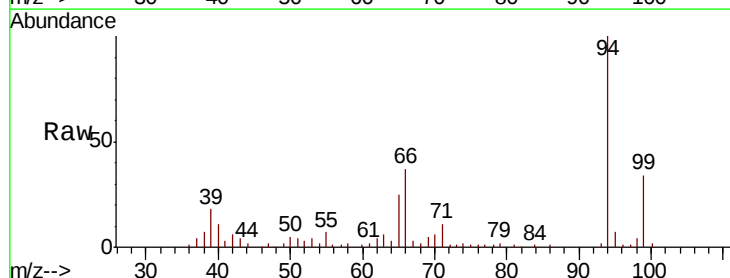
Tgt Ion: 94 Resp: 61831

Ion Ratio Lower Upper

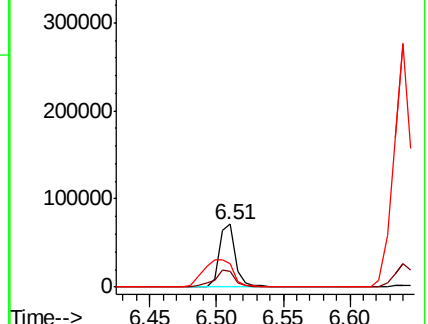
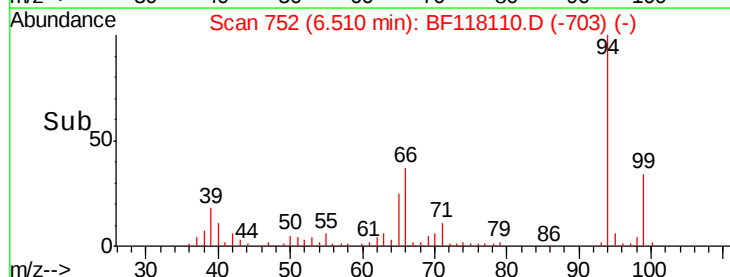
94 100

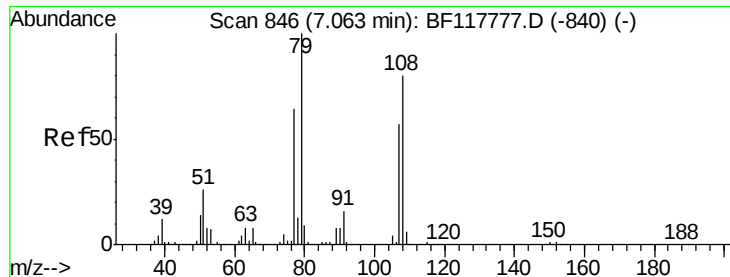
65 25.4 6.9 46.9

66 36.6 18.6 58.6



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





#15

Benzyl Alcohol

Concen: 2.263 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.01 min

Lab File: BF118110.D

Acq: 5 Dec 2019 18:33

Instrument :

BNA_F

ClientSampleId :

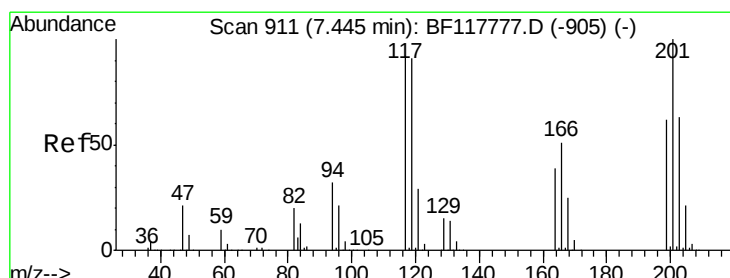
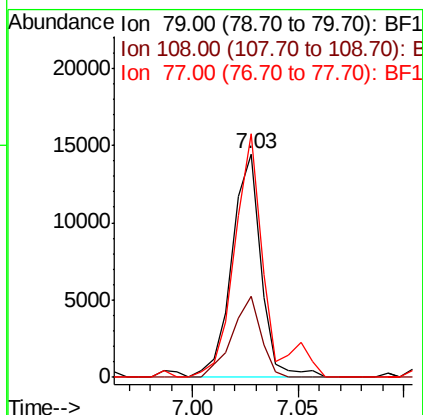
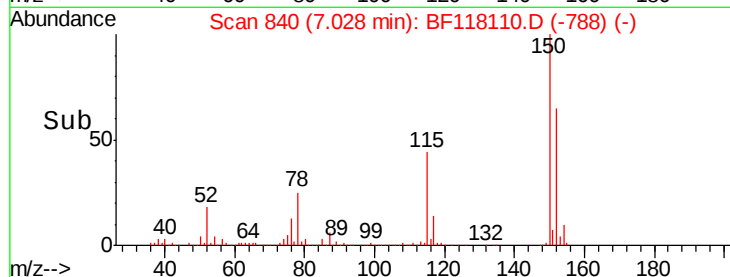
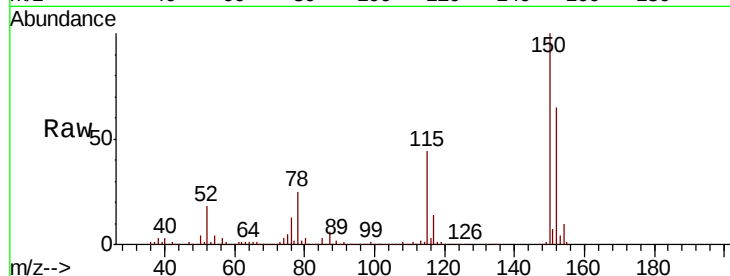
Tot Ion: 79 Resp: 13862

Ion Ratio Lower Upper

79 100

108 36.0 63.1 94.7#

77 109.0 50.6 76.0#



#18

Hexachloroethane

Concen: 10.663 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.01 min

Lab File: BF118110.D

Acq: 5 Dec 2019 18:33

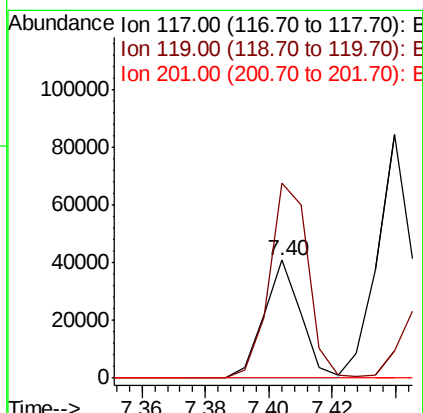
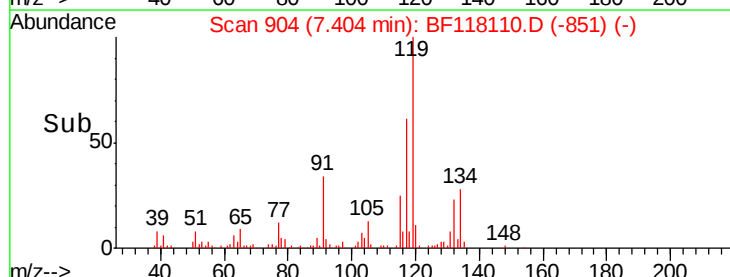
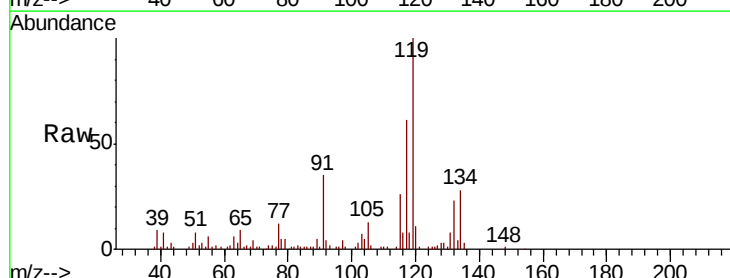
Tgt Ion: 117 Resp: 33267

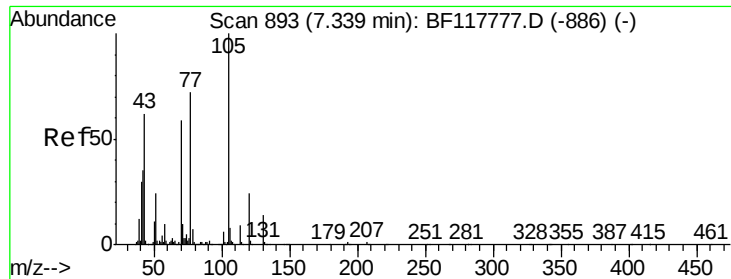
Ion Ratio Lower Upper

117 100

119 165.0 76.4 114.6#

201 0.0 71.7 107.5#

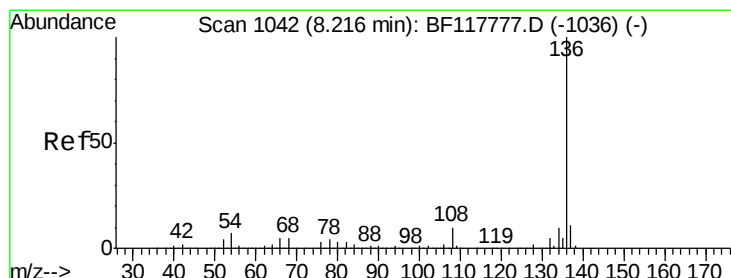
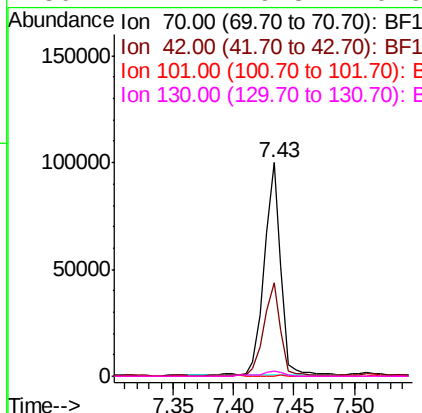
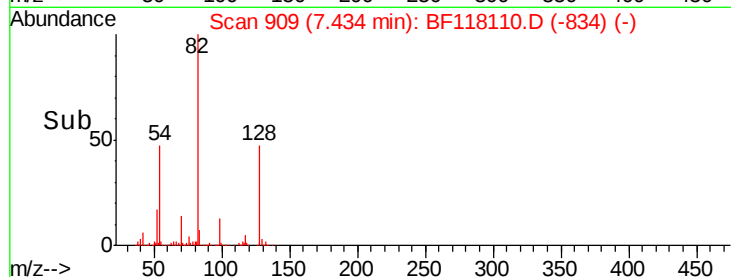
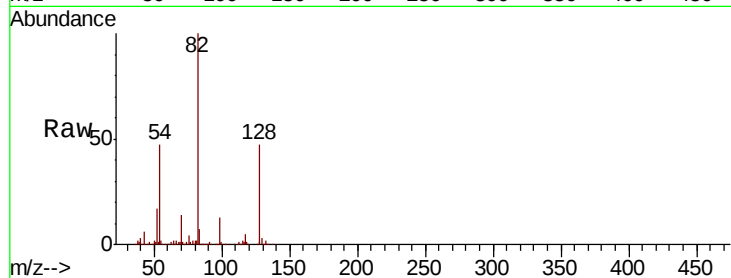




#19
n-Nitroso-di-n-propylamine
Concen: 19.472 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.14 min
Lab File: BF118110.D
Acq: 5 Dec 2019 18:33

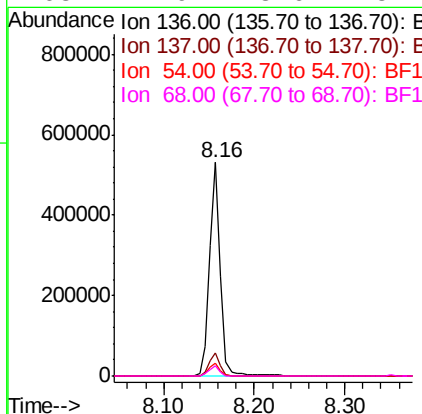
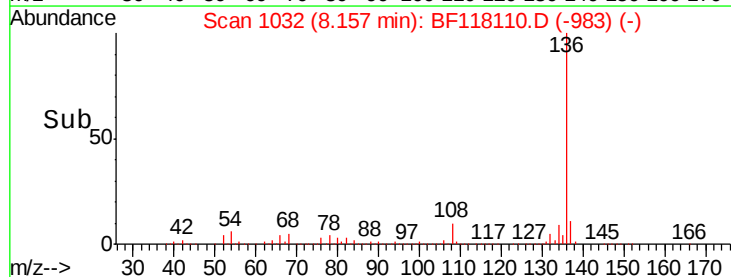
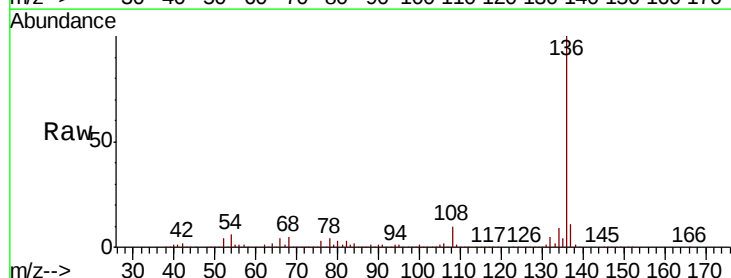
Instrument :
BNA_F
ClientSampleId :

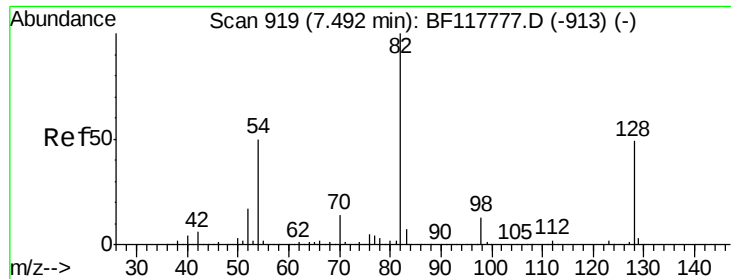
Tot Ion: 70 Resp: 95295
Ion Ratio Lower Upper
70 100
42 43.9 46.0 69.0#
101 0.0 8.8 13.2#
130 2.1 19.8 29.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF118110.D
Acq: 5 Dec 2019 18:33

Tgt Ion: 136 Resp: 447012
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 6.2 4.9 7.3
68 4.9 3.6 5.4

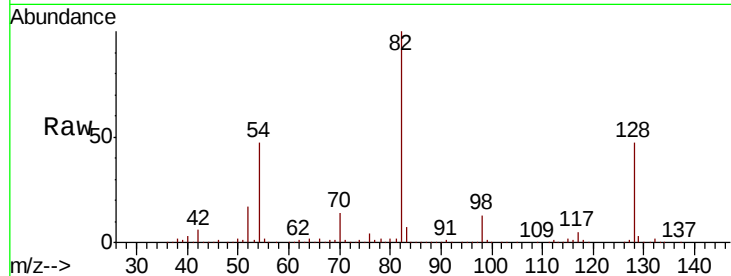




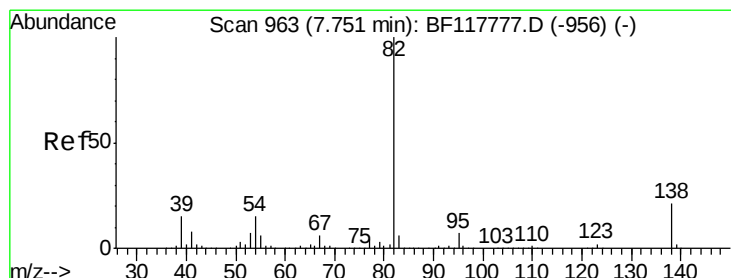
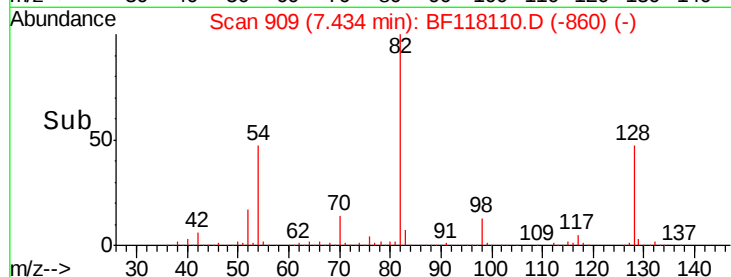
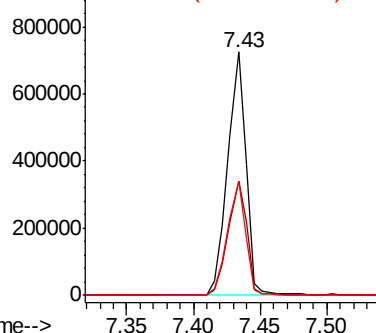
#23
Nitrobenzene-d5
Concen: 90.104 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118110.D
Acq: 5 Dec 2019 18:33

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	677548
Ion Ratio	Lower	Upper	
82	100		
128	47.2	38.2	57.4
54	47.1	39.0	58.4

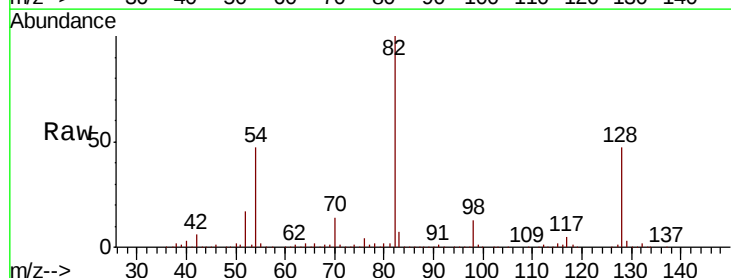


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

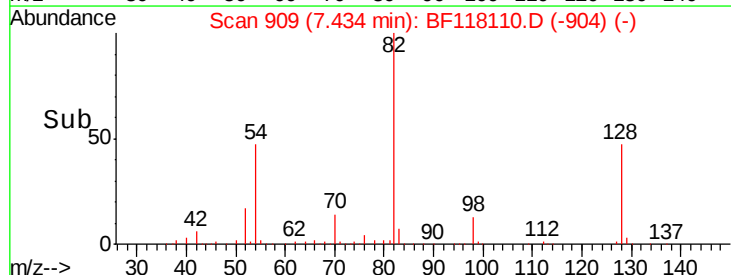
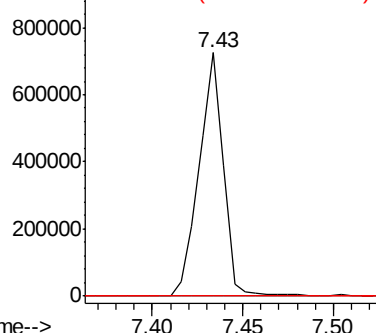


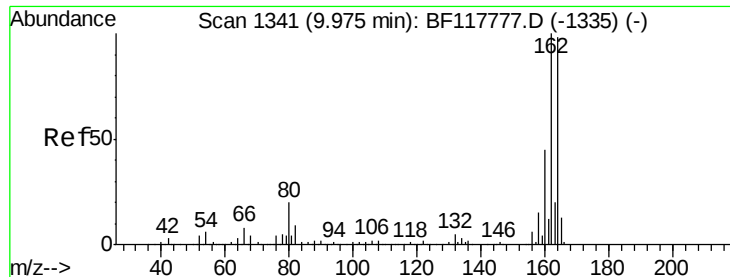
#25
Isophorone
Concen: 48.949 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.27 min
Lab File: BF118110.D
Acq: 5 Dec 2019 18:33

Tgt Ion	82	Resp	674638
Ion Ratio	Lower	Upper	
82	100		
95	0.1	6.2	9.2#
138	0.0	15.9	23.9#



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

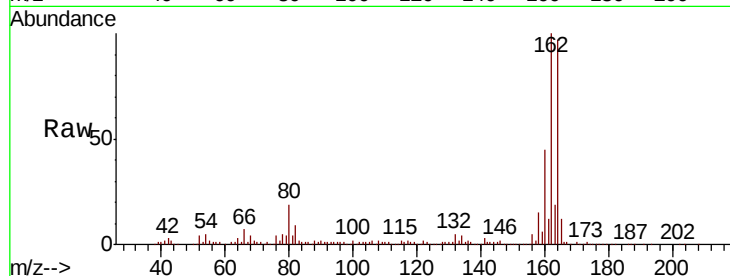




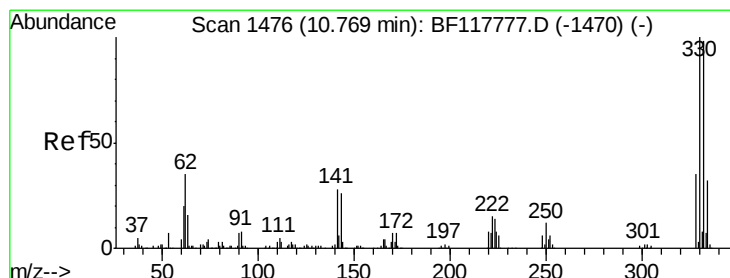
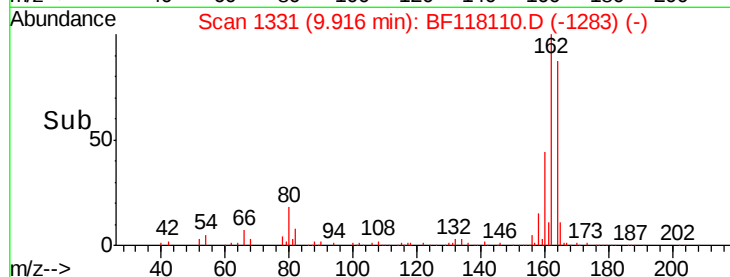
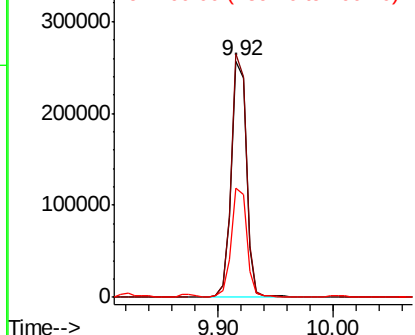
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: BF118110.D
 Acq: 5 Dec 2019 18:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 236048
 Ion Ratio Lower Upper
 164 100
 162 103.2 81.8 122.8
 160 46.1 35.9 53.9

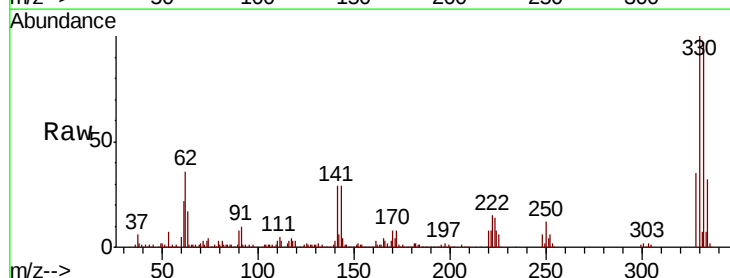


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

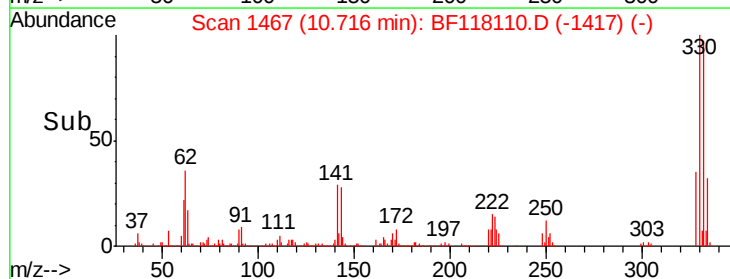
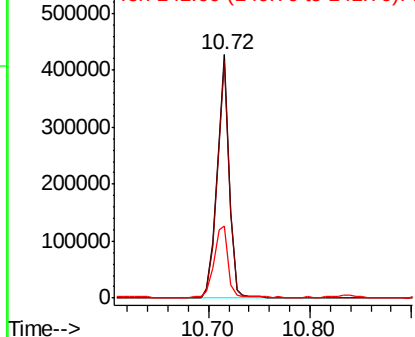


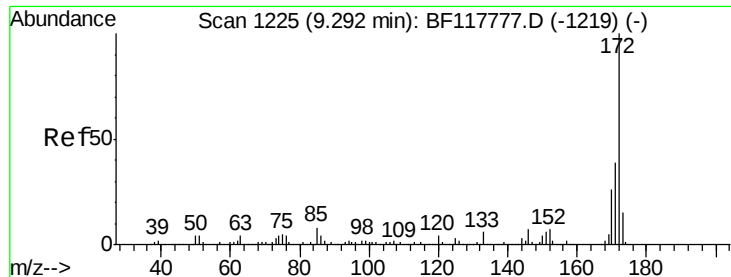
#42
 2,4,6-Tribromophenol
 Concen: 142.384 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF118110.D
 Acq: 5 Dec 2019 18:33

Tgt Ion:330 Resp: 355819
 Ion Ratio Lower Upper
 330 100
 332 97.0 78.3 117.5
 141 33.9 26.4 39.6



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

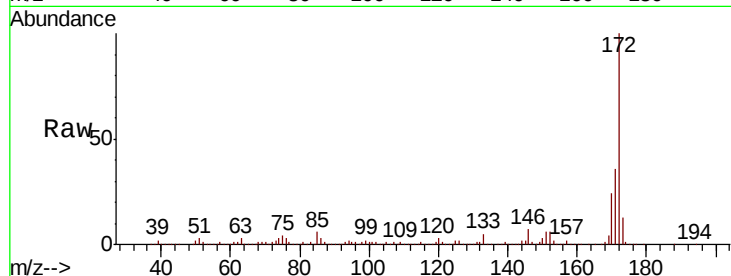




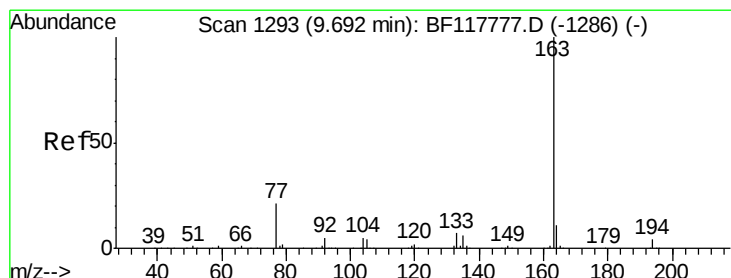
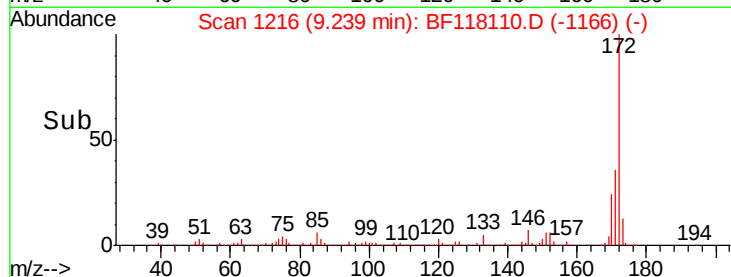
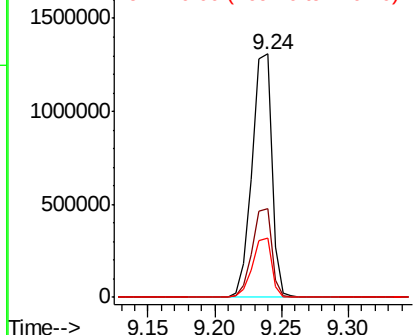
#45
2-Fluorobiphenyl
Concen: 100.797 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF118110.D
Acq: 5 Dec 2019 18:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1326227
Ion Ratio Lower Upper
172 100
171 36.3 29.2 43.8
170 24.4 19.3 28.9

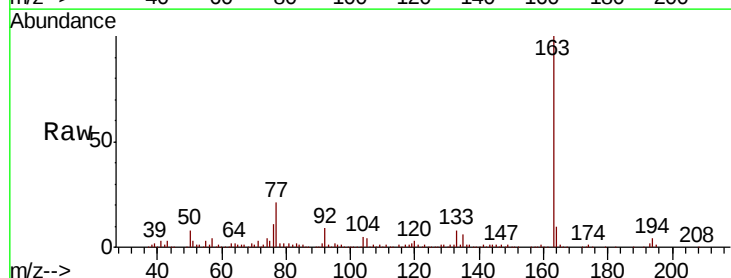


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

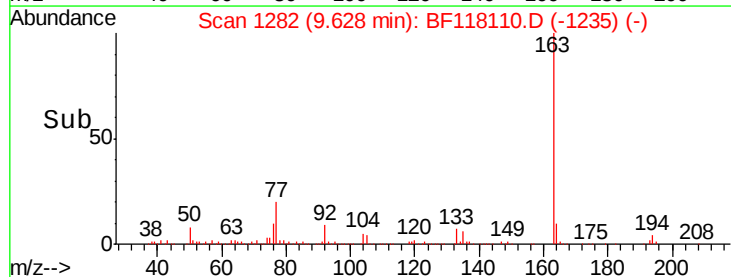
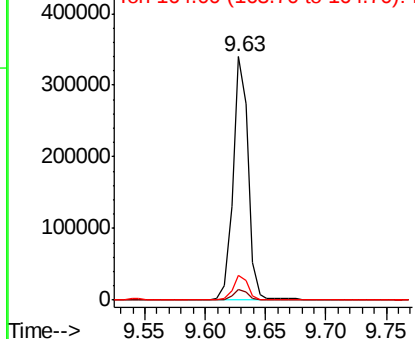


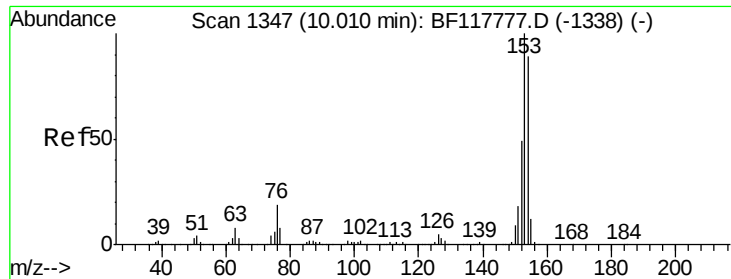
#50
Dimethylphthalate
Concen: 17.830 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF118110.D
Acq: 5 Dec 2019 18:33

Tgt Ion:163 Resp: 295134
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
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

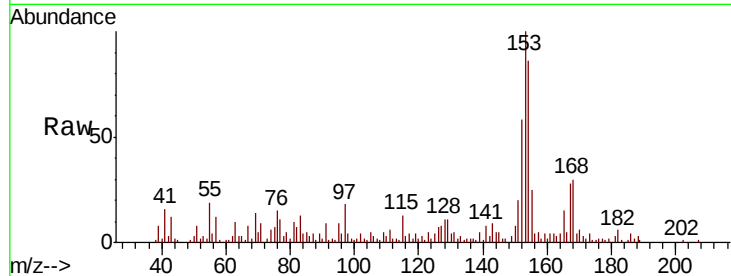




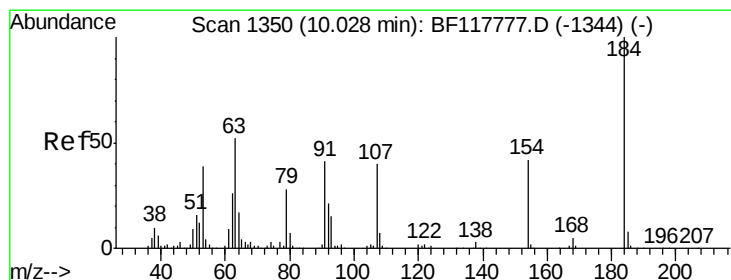
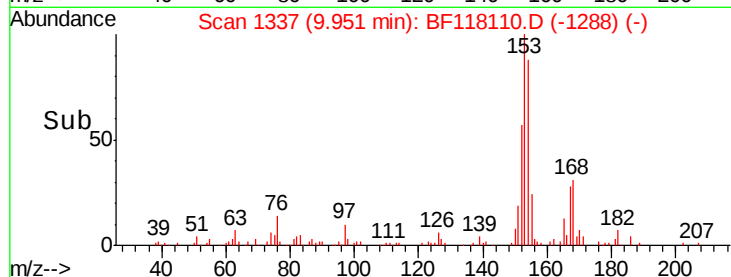
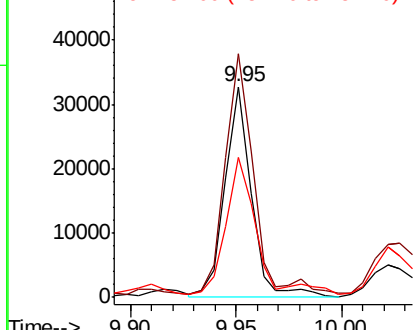
#52
Acenaphthene
Concen: 2.110 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF118110.D
Acq: 5 Dec 2019 18:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:154 Resp: 28386
Ion Ratio Lower Upper
154 100
153 115.7 91.2 136.8
152 66.5 43.6 65.4#

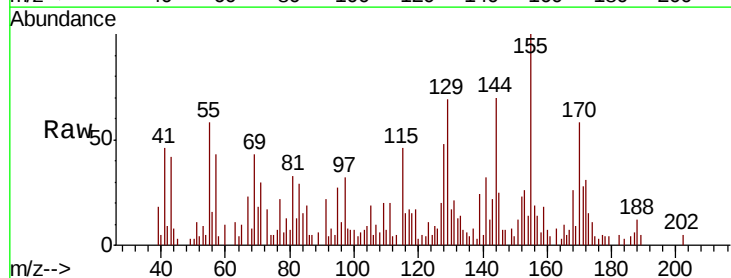


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

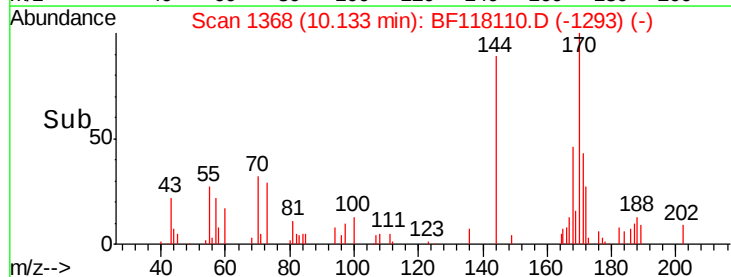
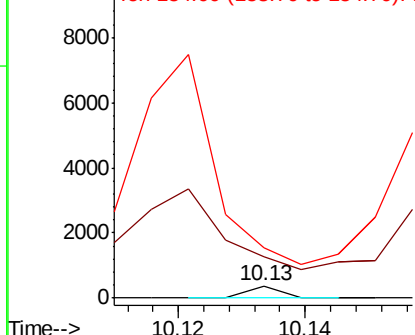


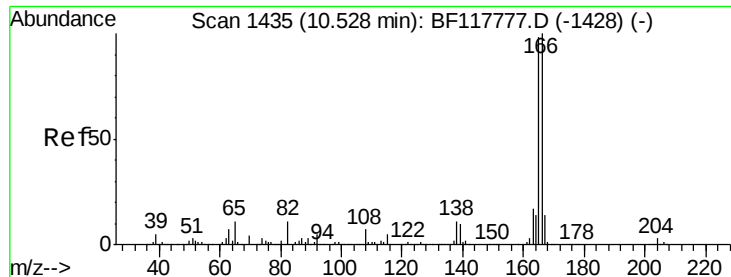
#54
2,4-Dinitrophenol
Concen: 7.291 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.14 min
Lab File: BF118110.D
Acq: 5 Dec 2019 18:33

Tgt Ion:184 Resp: 135
Ion Ratio Lower Upper
184 100
63 330.0 45.3 67.9#
154 400.5 51.6 77.4#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#58

Fluorene

Concen: 3.972 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BF118110.D

Acq: 5 Dec 2019 18:33

Instrument :

BNA_F

ClientSampleId :

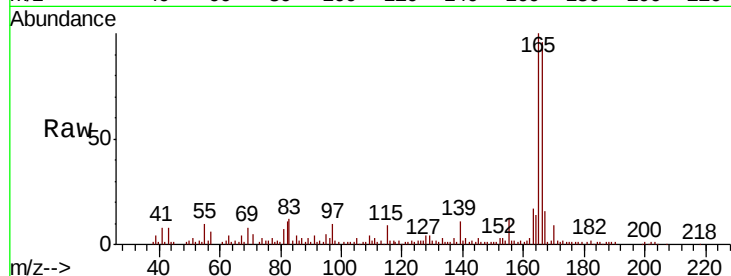
Tot Ion:166 Resp: 57346

Ion Ratio Lower Upper

166 100

165 103.9 77.4 116.2

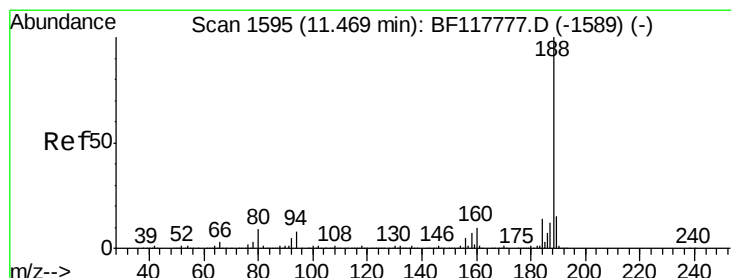
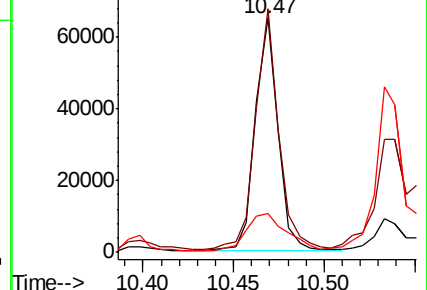
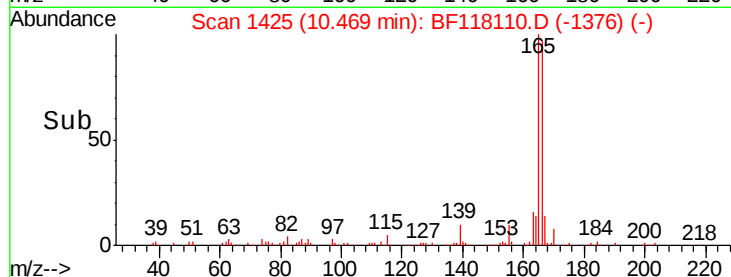
167 16.5 10.7 16.1#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF118110.D

Acq: 5 Dec 2019 18:33

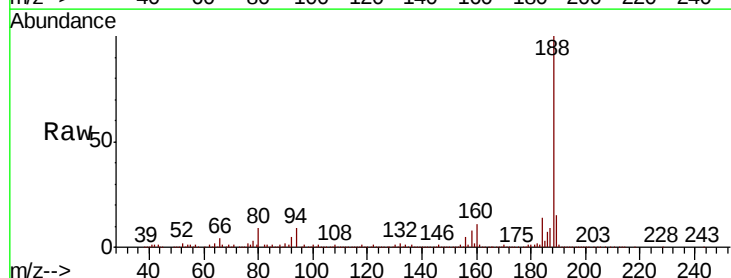
Tgt Ion:188 Resp: 432891

Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.6

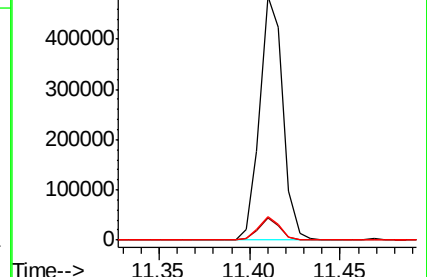
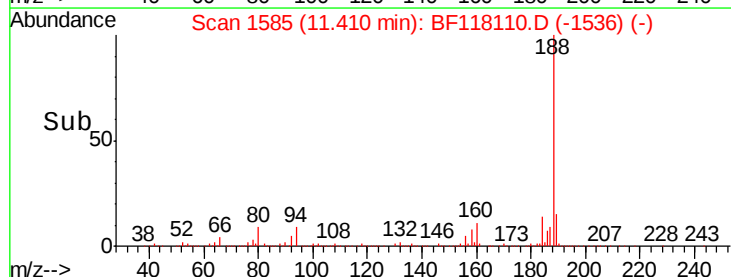
80 9.4 7.2 10.8

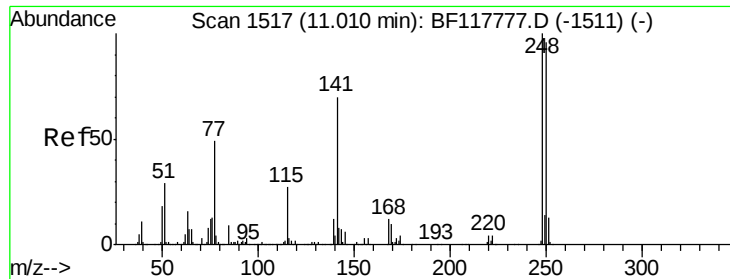


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

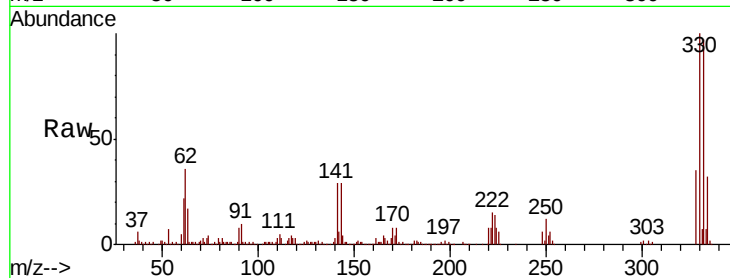




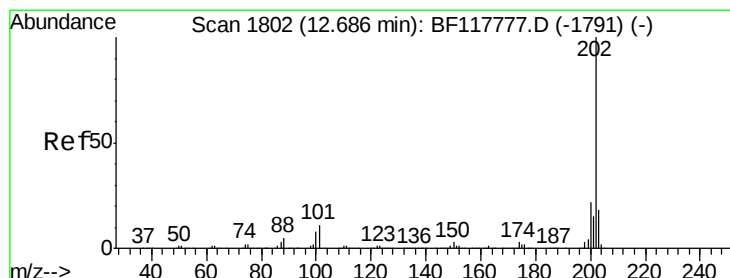
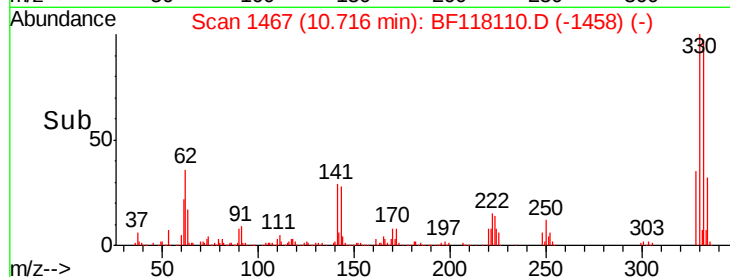
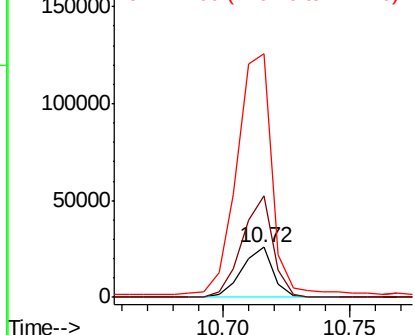
#67
4-Bromophenyl-phenylether
Concen: 4.785 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF118110.D
Acq: 5 Dec 2019 18:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 22351
Ion Ratio Lower Upper
248 100
250 204.3 78.0 117.0#
141 488.1 64.0 96.0#

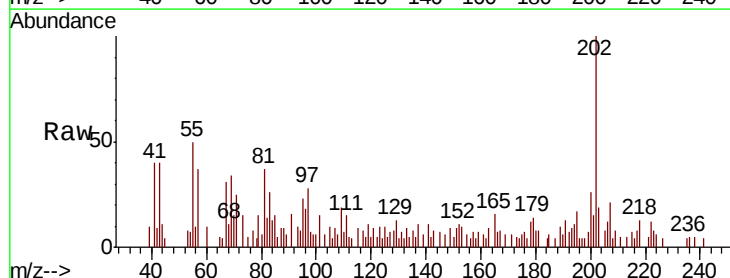


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

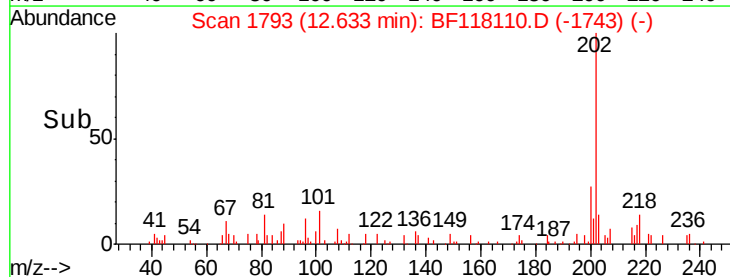
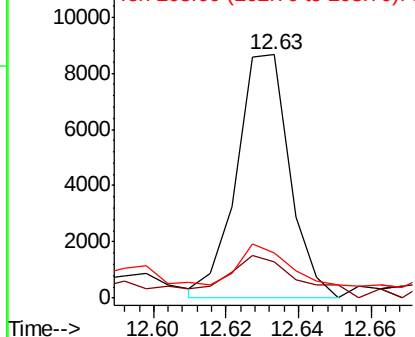


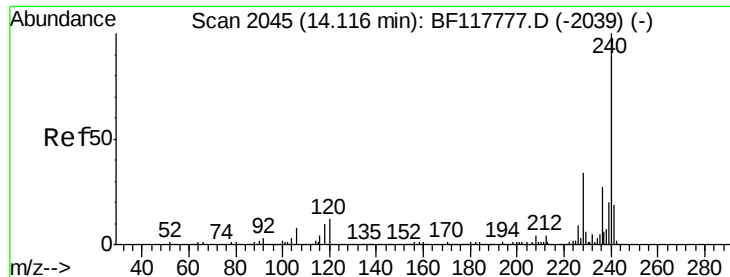
#75
Fluoranthene
Concen: Below Cal
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF118110.D
Acq: 5 Dec 2019 18:33

Tgt Ion:202 Resp: 8820
Ion Ratio Lower Upper
202 100
101 15.0 0.0 31.5
203 18.6 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

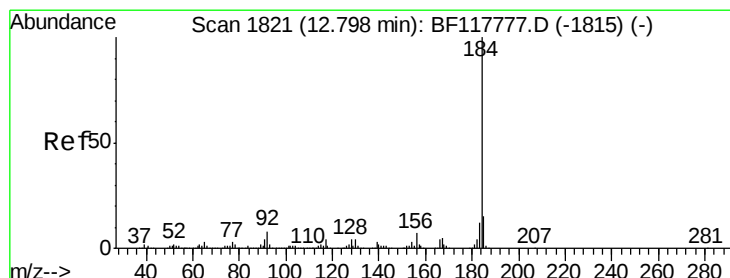
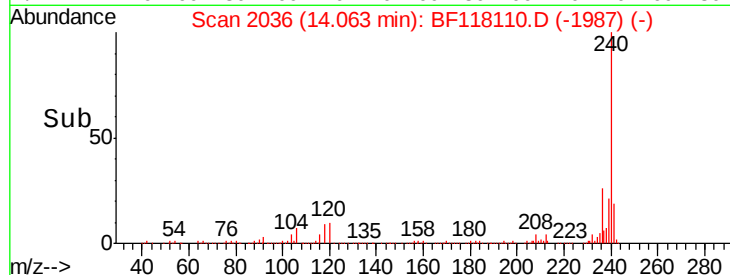
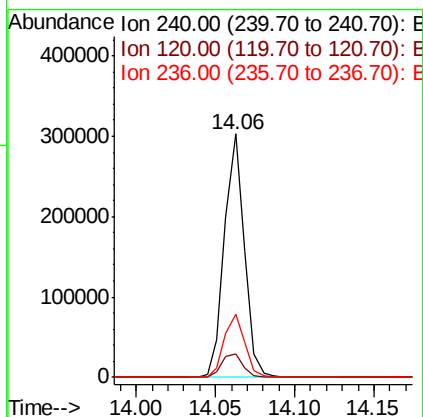
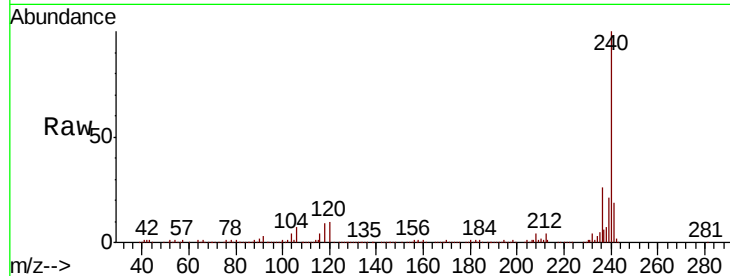




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF118110.D
 Acq: 5 Dec 2019 18:33

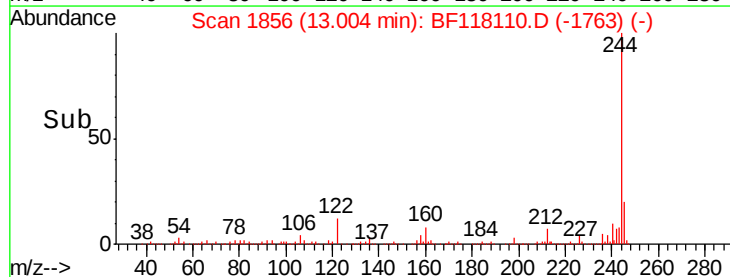
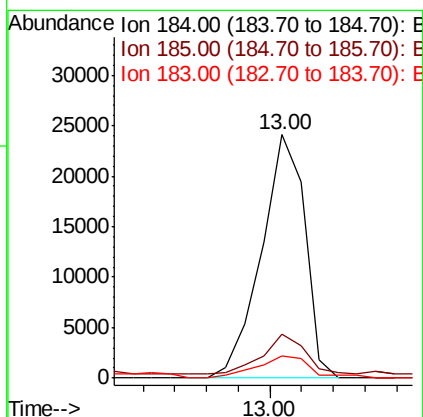
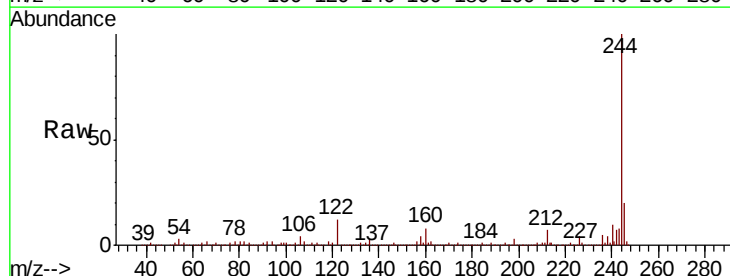
Instrument :
 BNA_F
 ClientSampleId :

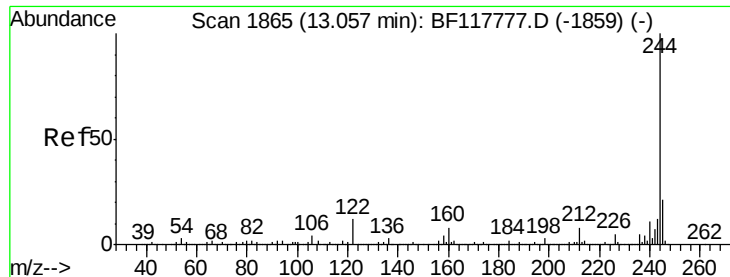
Tot Ion:240 Resp: 265221
 Ion Ratio Lower Upper
 240 100
 120 9.8 8.4 12.6
 236 25.9 20.6 31.0



#77
 Benzidine
 Concen: 2.653 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. 0.25 min
 Lab File: BF118110.D
 Acq: 5 Dec 2019 18:33

Tgt Ion:184 Resp: 23045
 Ion Ratio Lower Upper
 184 100
 185 18.0 11.6 17.4#
 183 9.3 9.7 14.5#





#79

Terphenyl-d14

Concen: 111.459 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF118110.D

Acq: 5 Dec 2019 18:33

Instrument :

BNA_F

ClientSampleId :

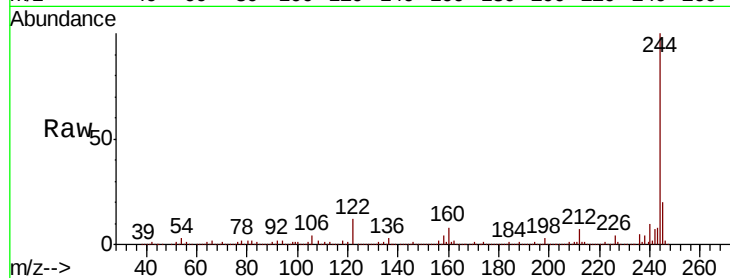
Tot Ion:244 Resp: 1617481

Ion Ratio Lower Upper

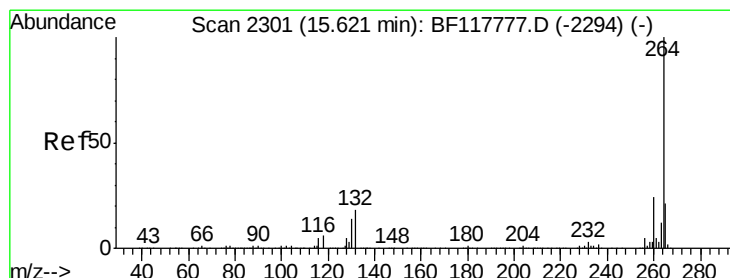
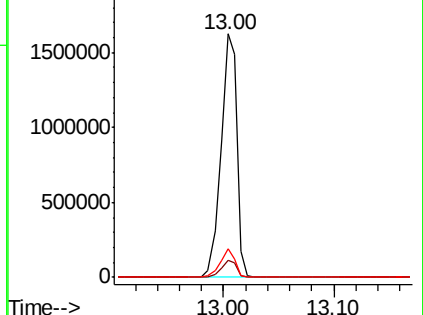
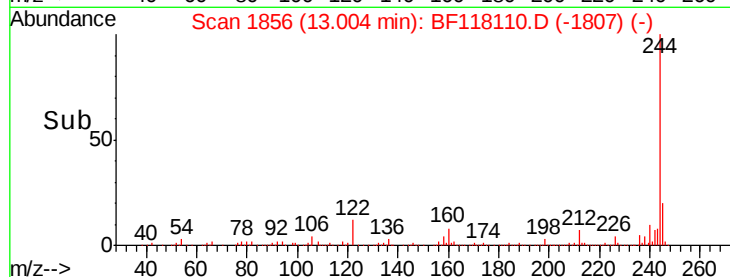
244 100

212 7.2 5.2 7.8

122 11.6 7.2 10.8#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2290

Delta R.T. -0.01 min

Lab File: BF118110.D

Acq: 5 Dec 2019 18:33

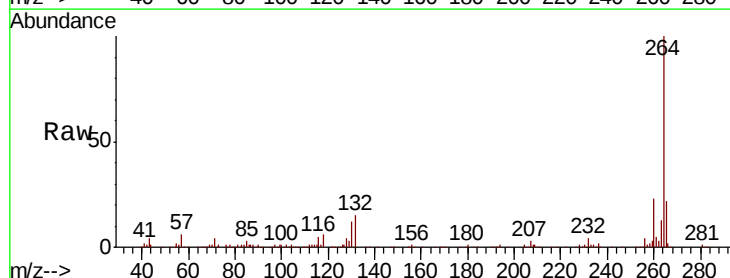
Tgt Ion:264 Resp: 248977

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.6

265 21.6 16.4 24.6



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

