

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120519\
 Data File : BF118108.D
 Acq On : 5 Dec 2019 17:37
 Operator : JU
 Sample : K6098-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 06 03:33:22 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	122484	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	473894	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	250561	20.00	ng	-0.02
64) Phenanthrene-d10	11.41	188	480937	20.00	ng	-0.01
76) Chrysene-d12	14.06	240	328885	20.00	ng	-0.01
87) Perylene-d12	15.56	264	298338	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	401011	57.95	ng	0.00
7) Phenol-d6	6.49	99	352185	42.20	ng	-0.02
23) Nitrobenzene-d5	7.43	82	700058	87.82	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	251395	94.77	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1434506	102.71	ng	0.00
79) Terphenyl-d14	13.01	244	1740899	96.74	ng	0.00

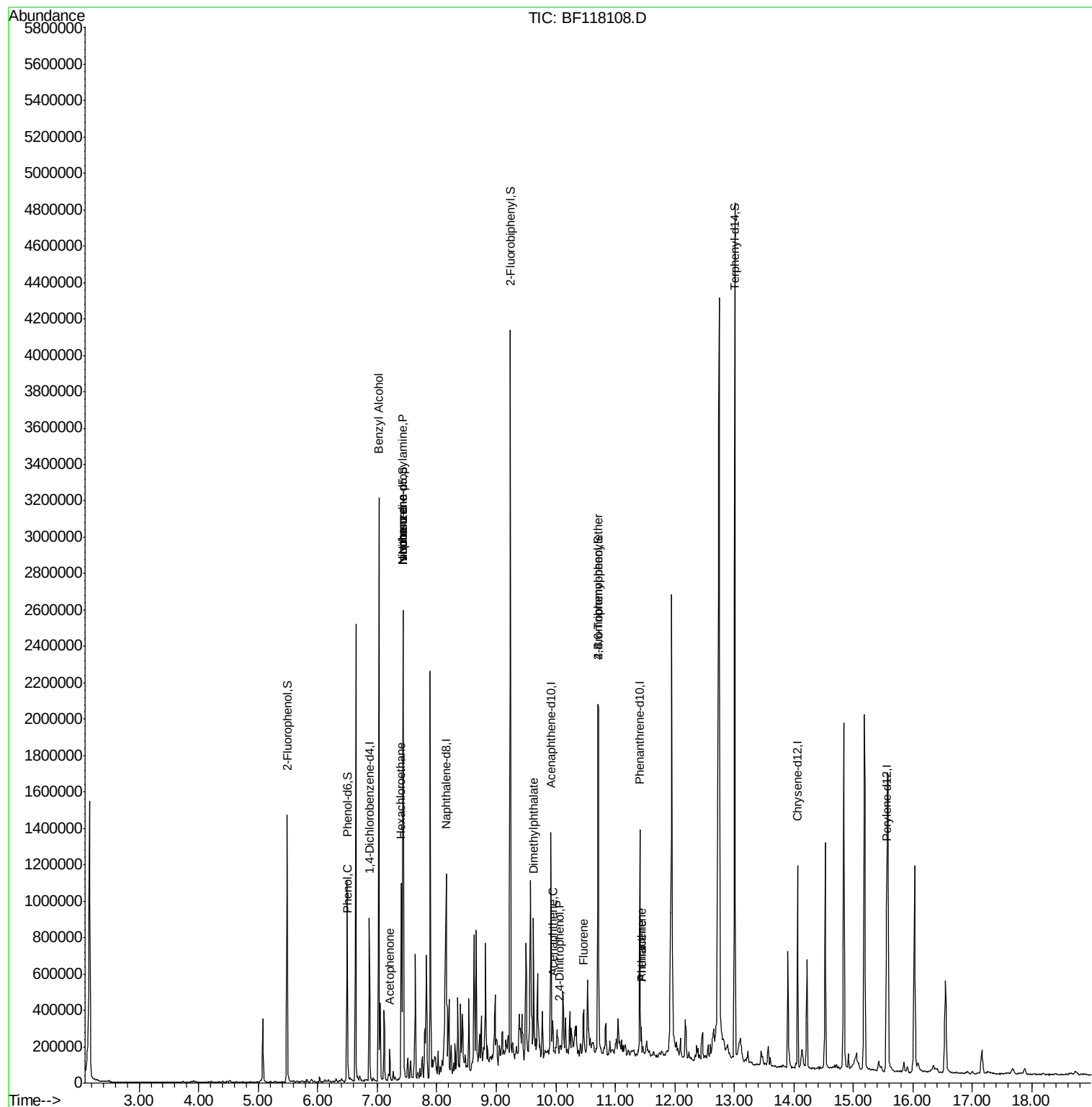
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.64	77	14361	Below Cal		83
10) Phenol	6.50	94	23109	2.665	ng	91
15) Benzyl Alcohol	7.03	79	14960	2.322	ng	# 48
18) Hexachloroethane	7.40	117	103661	31.581	ng	# 1
19) n-Nitroso-di-n-propylamine	7.43	70	94546	18.362	ng	# 75
22) Acetophenone	7.21	105	32780	3.079	ng	# 72
24) Nitrobenzene	7.44	77	20990	2.552	ng	# 4
25) Isophorone	7.43	82	699118	47.848	ng	# 63
50) Dimethylphthalate	9.63	163	314805	17.917	ng	98
52) Acenaphthene	9.95	154	37550	2.629	ng	97
54) 2,4-Dinitrophenol	10.06	184	1984	8.139	ng	# 83
58) Fluorene	10.47	166	62103	4.052	ng	98
67) 4-Bromophenyl-phenylether	10.72	248	15667	3.019	ng	# 1
71) Phenanthrene	11.43	178	55818	2.308	ng	98
72) Anthracene	11.43	178	55818	2.328	ng	98
75) Fluoranthene	12.63	202	6257	Below Cal		86

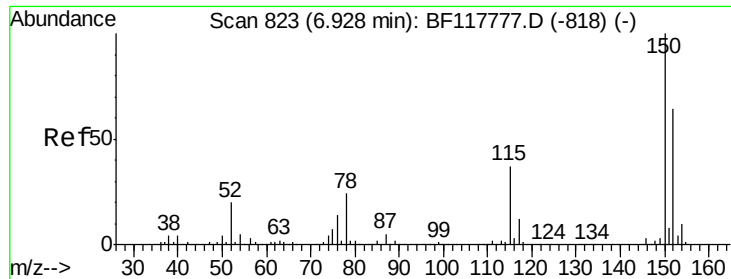
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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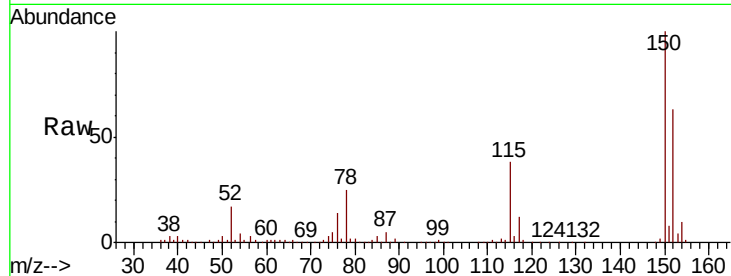


#1

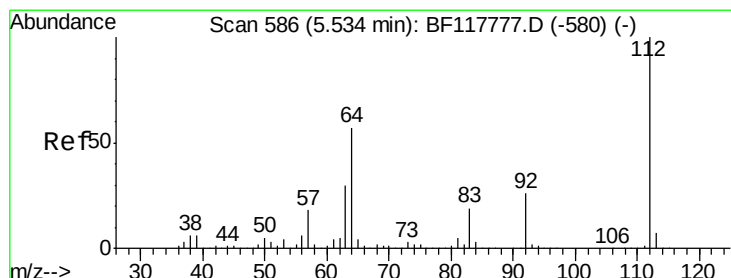
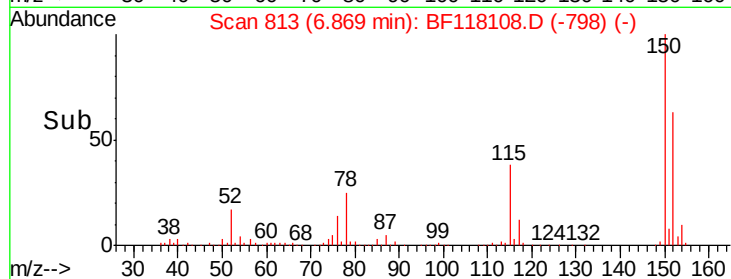
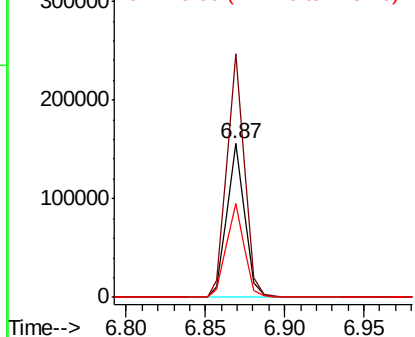
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF118108.D
Acq: 5 Dec 2019 17:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 122484
Ion Ratio Lower Upper
152 100
150 158.1 121.4 182.2
115 60.8 48.8 73.2



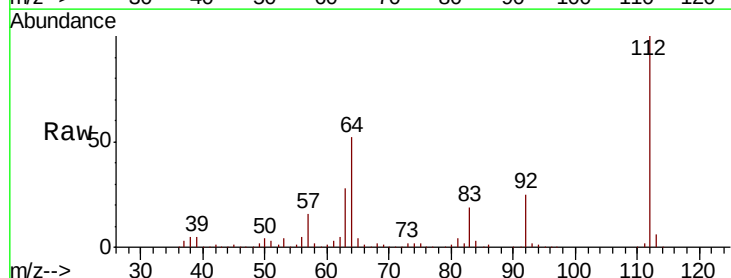
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



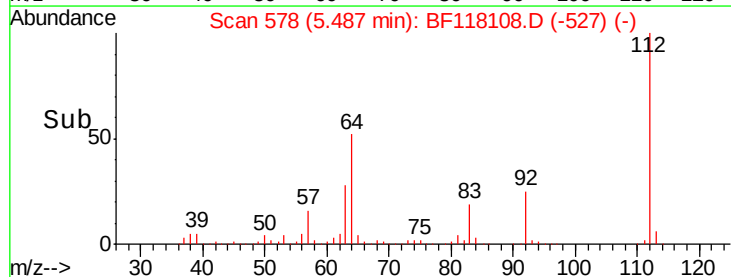
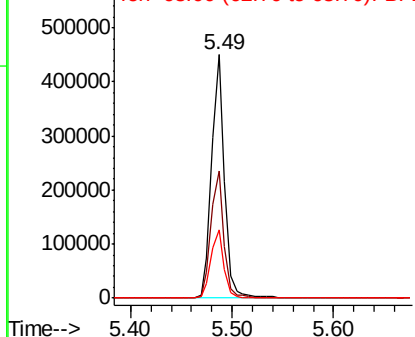
#5

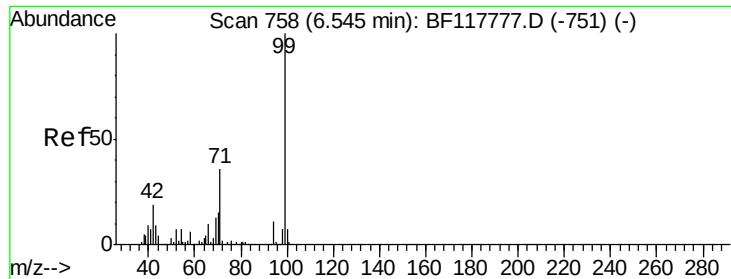
2-Fluorophenol
Concen: 57.953 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF118108.D
Acq: 5 Dec 2019 17:37

Tgt Ion:112 Resp: 401011
Ion Ratio Lower Upper
112 100
64 52.0 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: 42.197 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF118108.D

Acq: 5 Dec 2019 17:37

Instrument :

BNA_F

ClientSampleId :

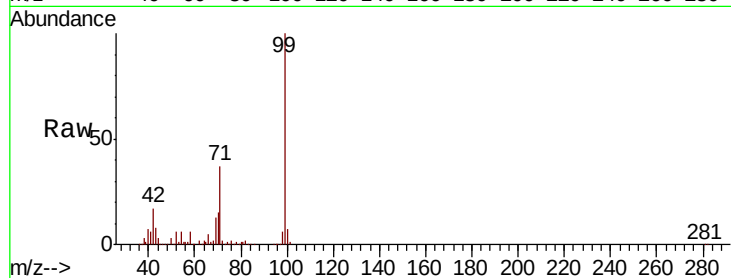
Tot Ion: 99 Resp: 352185

Ion Ratio Lower Upper

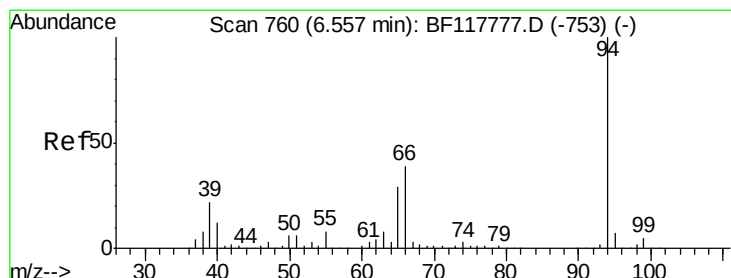
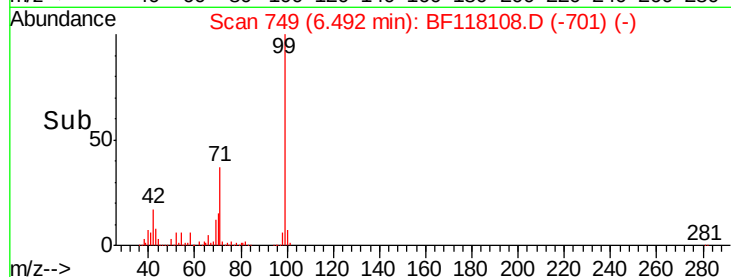
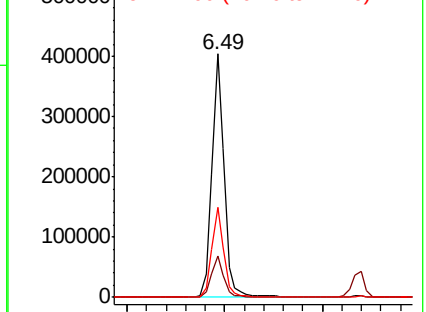
99 100

42 16.8 14.0 21.0

71 36.8 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: 2.665 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.02 min

Lab File: BF118108.D

Acq: 5 Dec 2019 17:37

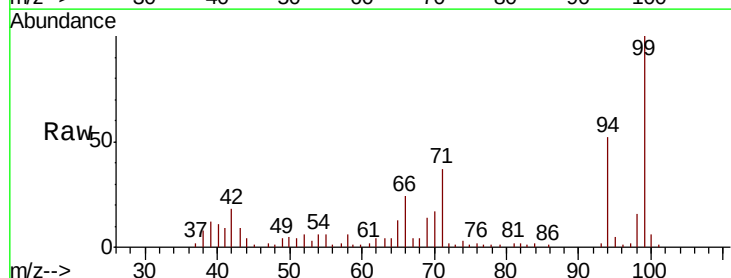
Tgt Ion: 94 Resp: 23109

Ion Ratio Lower Upper

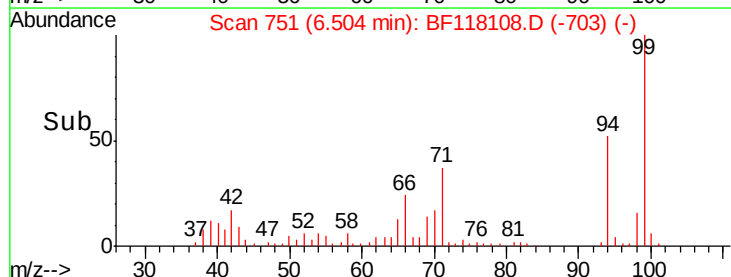
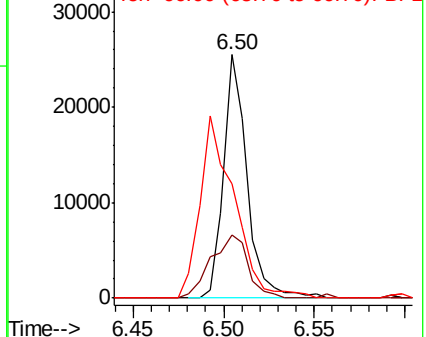
94 100

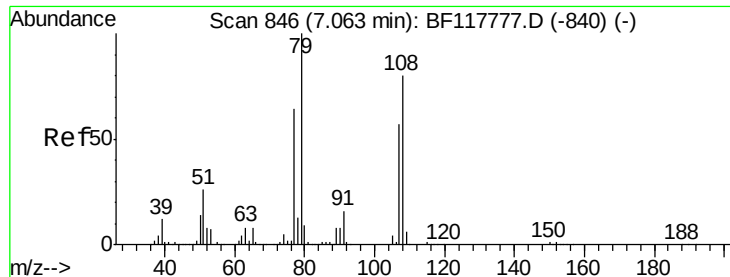
65 25.7 6.9 46.9

66 47.0 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: 2.322 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.01 min

Lab File: BF118108.D

Acq: 5 Dec 2019 17:37

Instrument :

BNA_F

ClientSampleId :

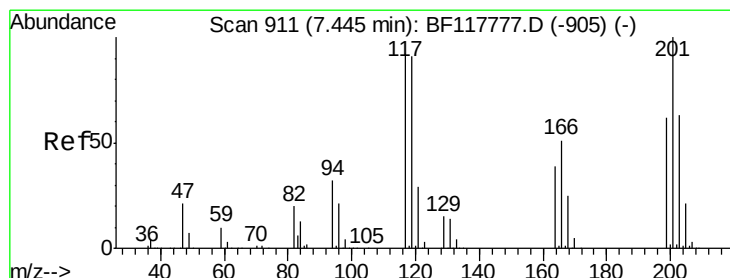
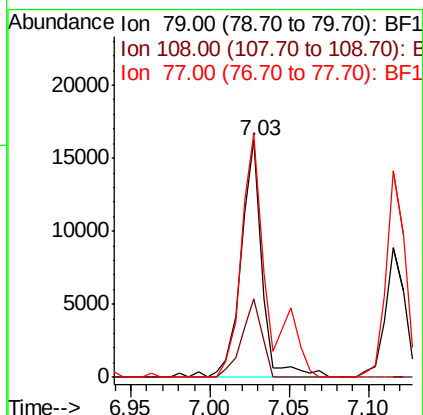
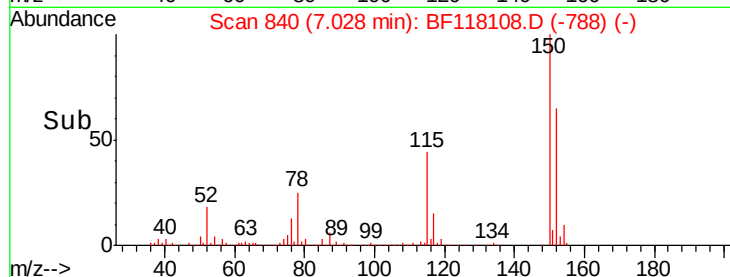
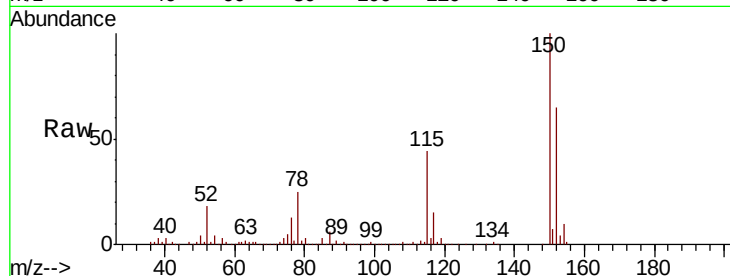
Tot Ion: 79 Resp: 14960

Ion Ratio Lower Upper

79 100

108 33.0 63.1 94.7#

77 102.7 50.6 76.0#



#18

Hexachloroethane

Concen: 31.581 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.01 min

Lab File: BF118108.D

Acq: 5 Dec 2019 17:37

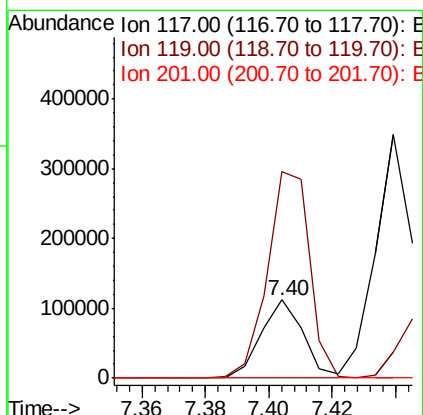
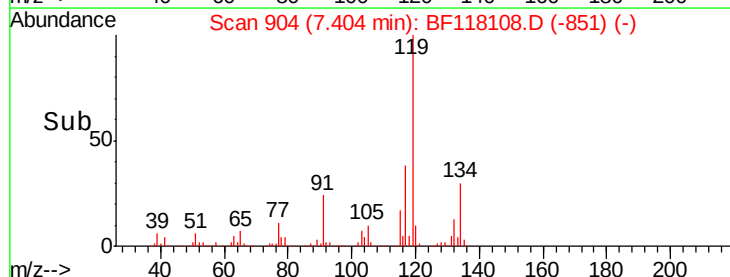
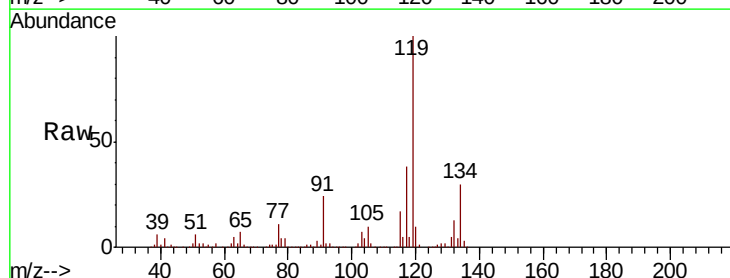
Tgt Ion: 117 Resp: 103661

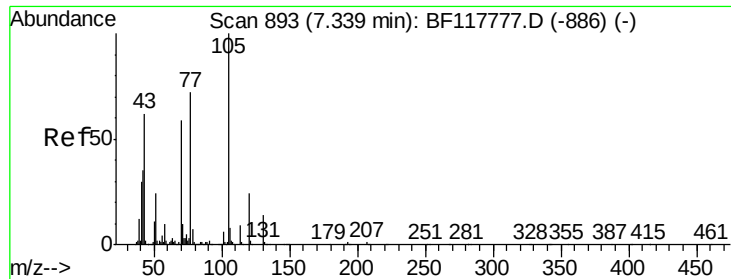
Ion Ratio Lower Upper

117 100

119 264.8 76.4 114.6#

201 0.0 71.7 107.5#

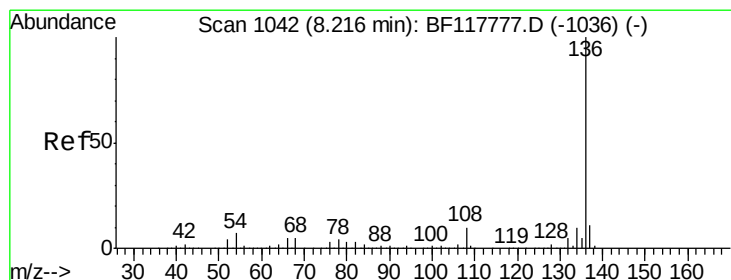
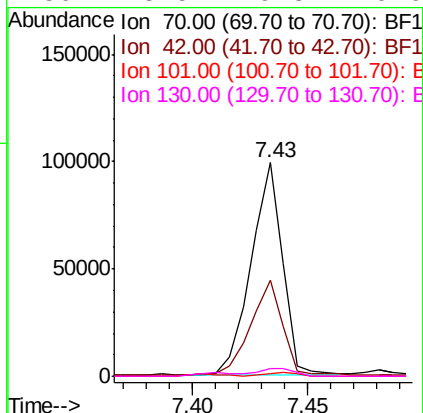
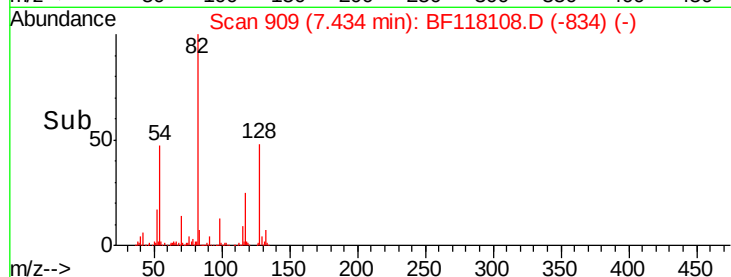
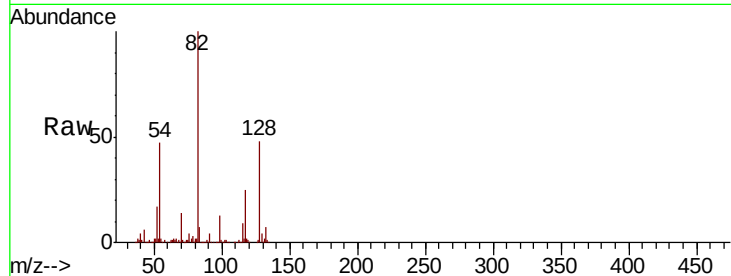




#19
n-Nitroso-di-n-propylamine
Concen: 18.362 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.14 min
Lab File: BF118108.D
Acq: 5 Dec 2019 17:37

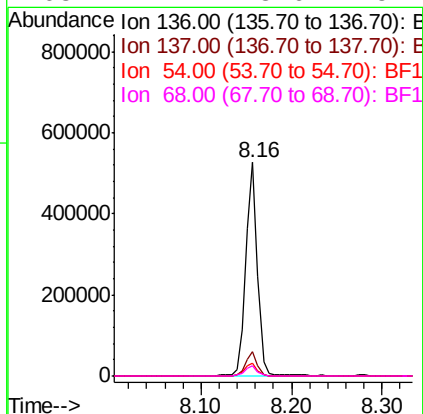
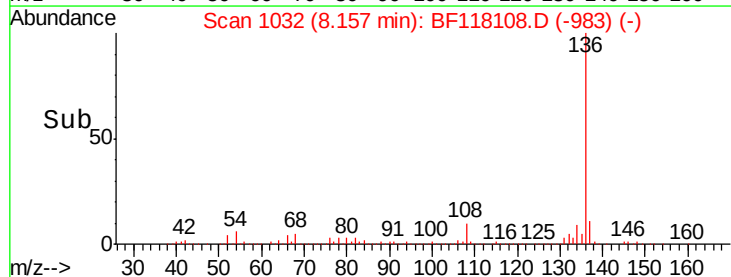
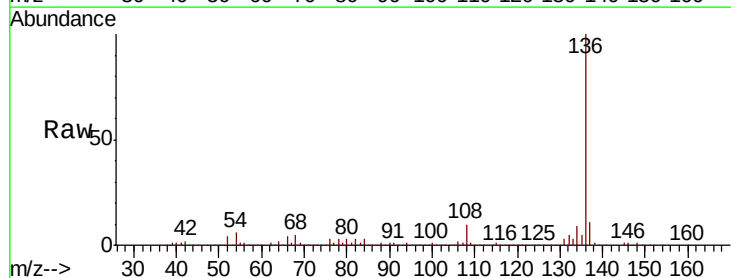
Instrument :
BNA_F
ClientSampleId :

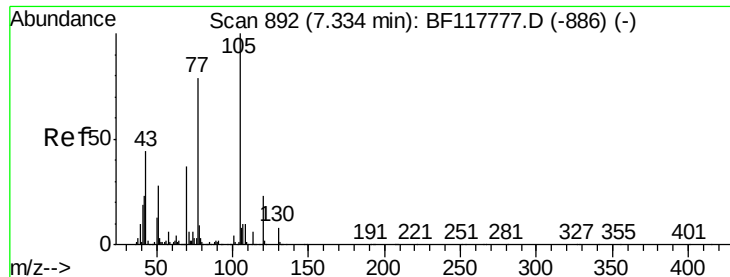
Tot Ion	Ratio	Lower	Upper
70	100		
42	44.7	46.0	69.0#
101	1.0	8.8	13.2#
130	3.5	19.8	29.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF118108.D
Acq: 5 Dec 2019 17:37

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	6.2	4.9	7.3
68	4.7	3.6	5.4





#22

Acetophenone

Concen: 3.079 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.08 min

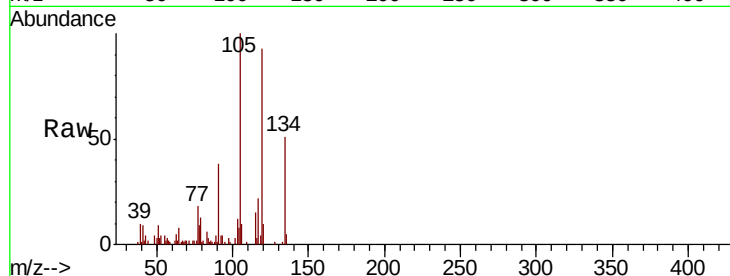
Lab File: BF118108.D

Acq: 5 Dec 2019 17:37

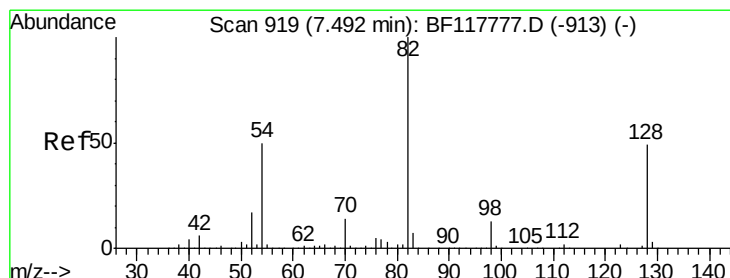
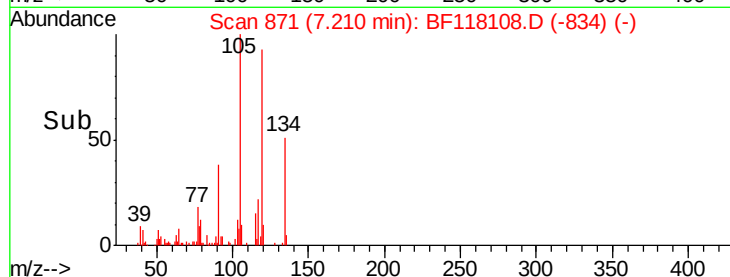
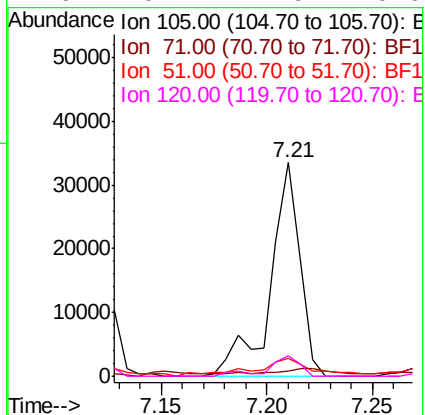
Instrument :

BNA_F

ClientSampled :



Tot Ion:	105	Resp:	32780
Ion	Ratio	Lower	Upper
105	100		
71	2.4	5.9	8.9#
51	8.6	20.2	30.2#
120	9.7	17.9	26.9#



#23

Nitrobenzene-d5

Concen: 87.816 ng

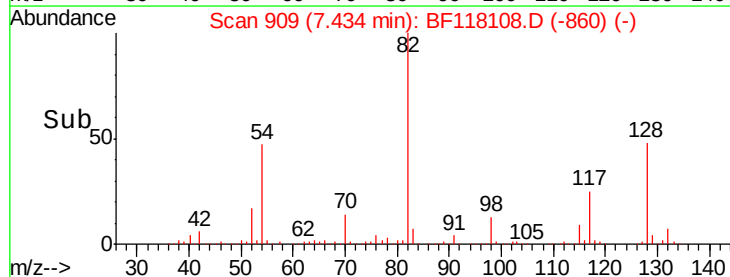
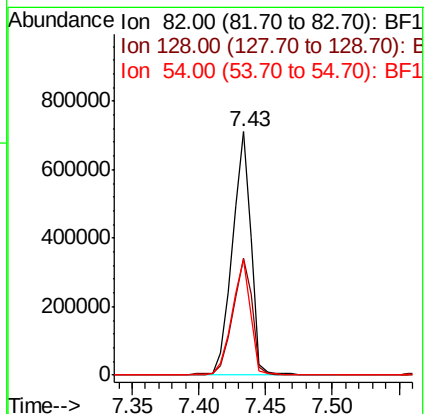
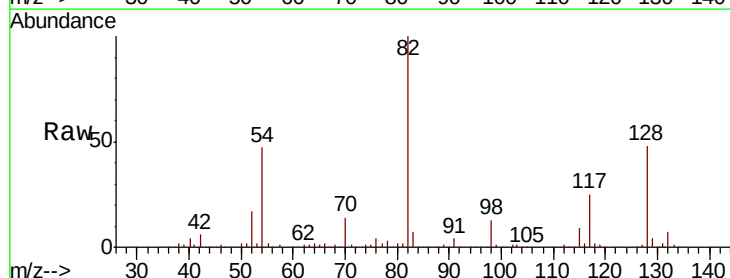
RT: 7.43 min Scan# 909

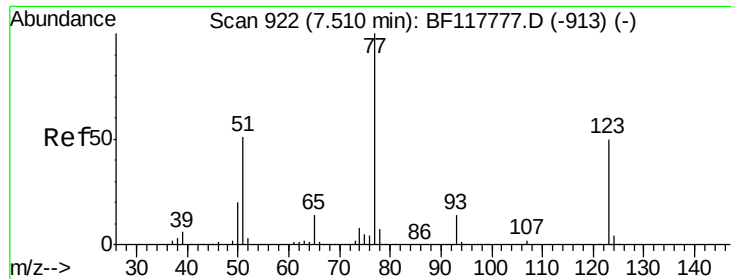
Delta R.T. -0.01 min

Lab File: BF118108.D

Acq: 5 Dec 2019 17:37

Tgt Ion:	82	Resp:	700058
Ion	Ratio	Lower	Upper
82	100		
128	48.1	38.2	57.4
54	47.4	39.0	58.4

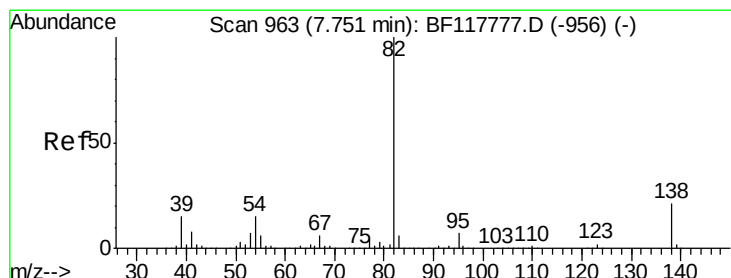
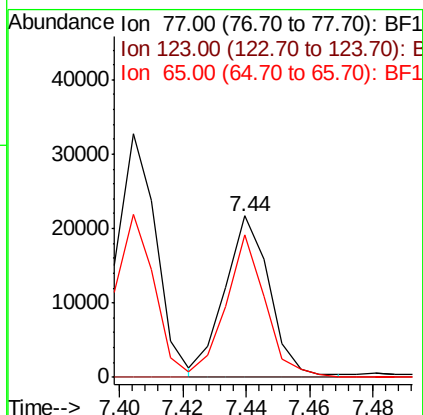
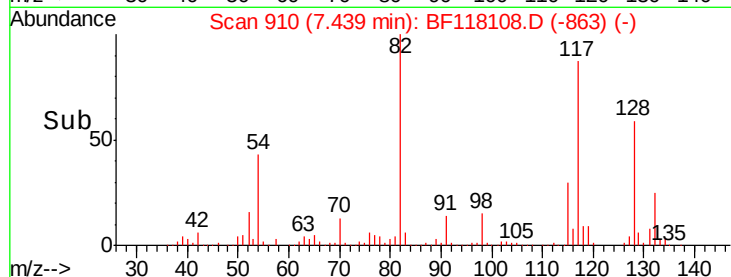
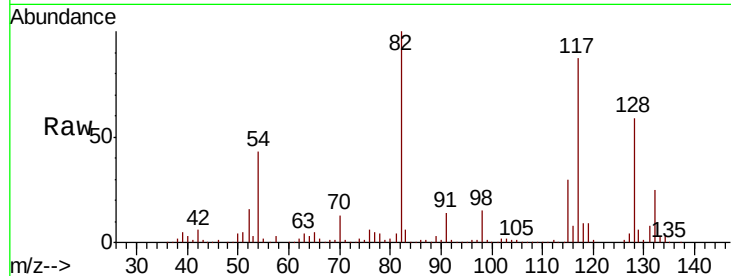




#24
 Nitrobenzene
 Concen: 2.552 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: BF118108.D
 Acq: 5 Dec 2019 17:37

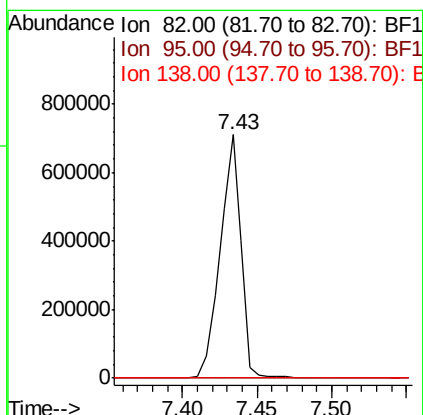
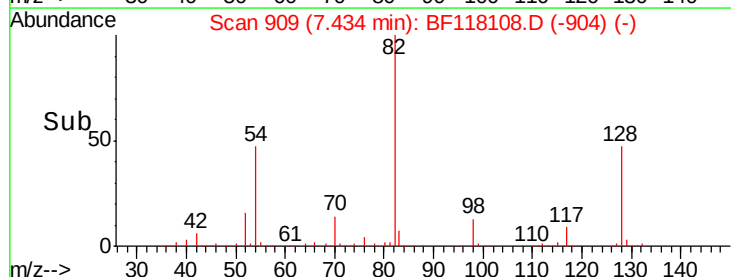
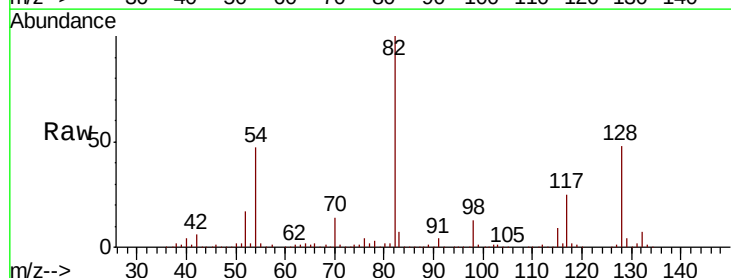
Instrument :
 BNA_F
 ClientSampled :

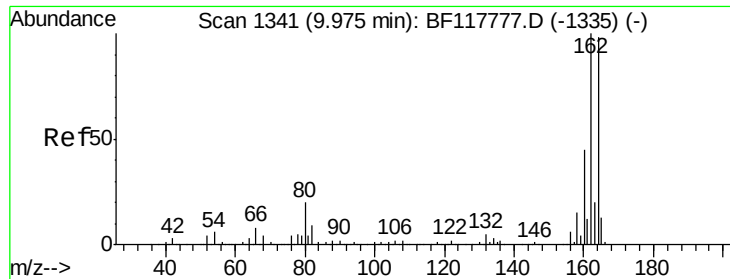
Tot Ion: 77 Resp: 20990
 Ion Ratio Lower Upper
 77 100
 123 0.0 38.2 57.2#
 65 88.5 11.1 16.7#



#25
 Isophorone
 Concen: 47.848 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.27 min
 Lab File: BF118108.D
 Acq: 5 Dec 2019 17:37

Tgt Ion: 82 Resp: 699118
 Ion Ratio Lower Upper
 82 100
 95 0.1 6.2 9.2#
 138 0.0 15.9 23.9#

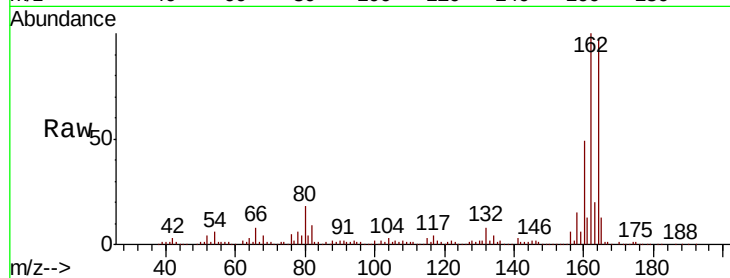




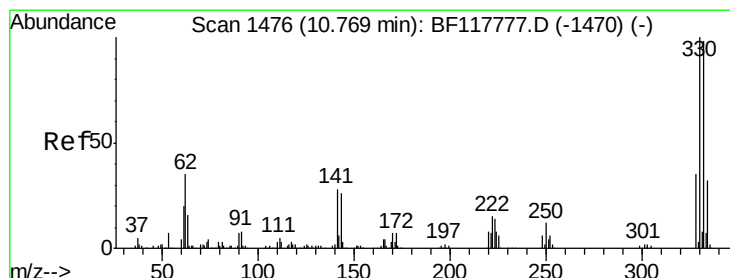
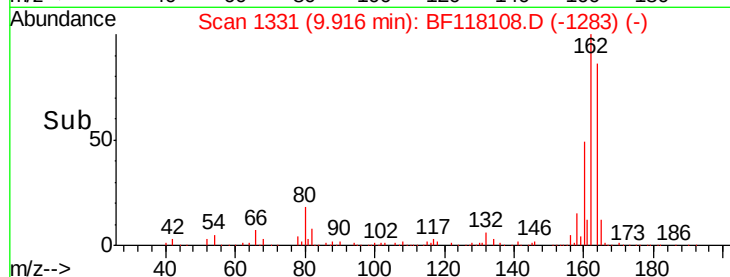
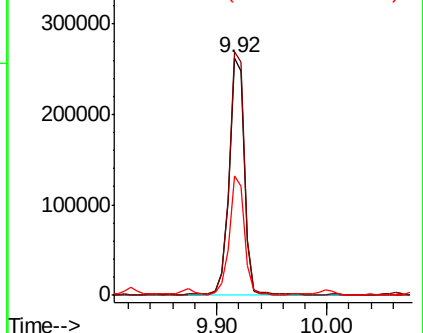
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: BF118108.D
 Acq: 5 Dec 2019 17:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.8	122.8
160	50.4	35.9	53.9

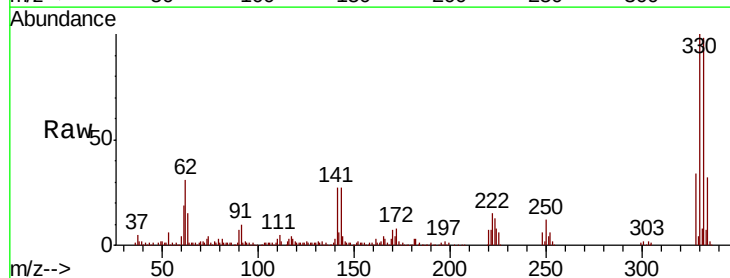


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

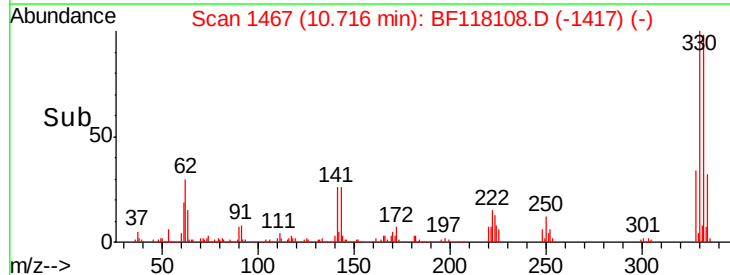
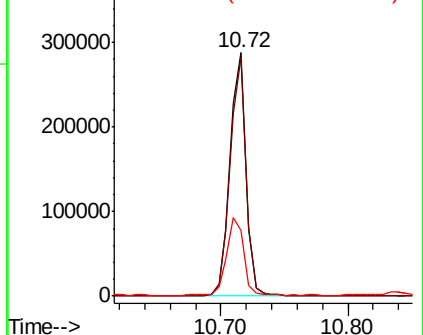


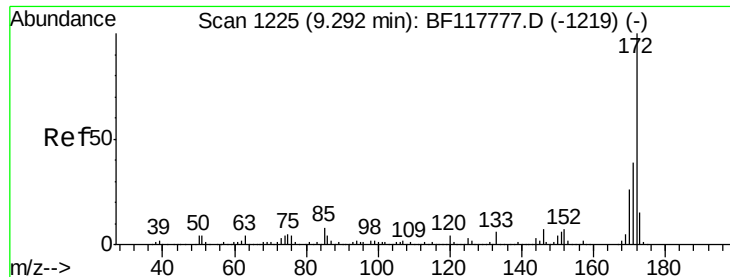
#42
 2,4,6-Tribromophenol
 Concen: 94.771 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF118108.D
 Acq: 5 Dec 2019 17:37

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.3	117.5
141	34.1	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

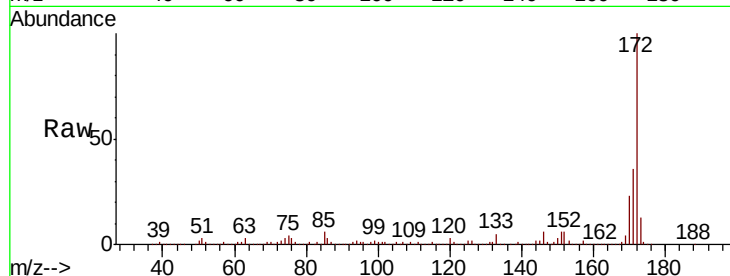




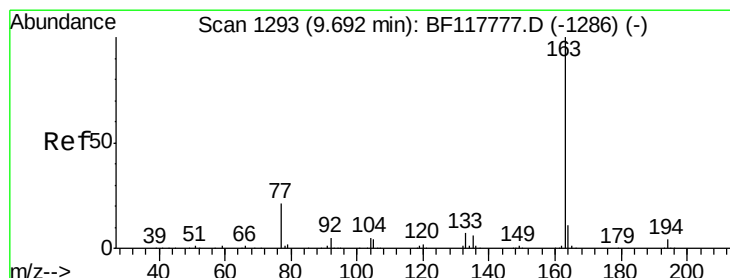
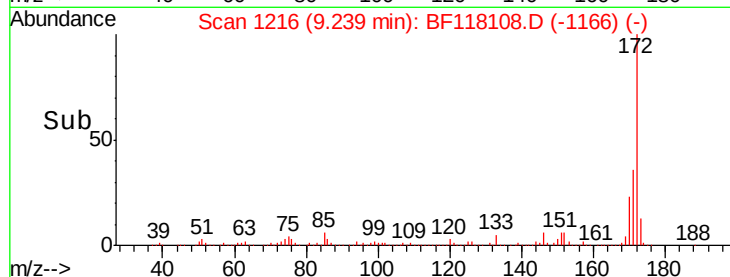
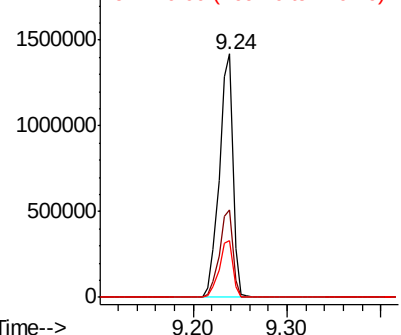
#45
2-Fluorobiphenyl
Concen: 102.712 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF118108.D
Acq: 5 Dec 2019 17:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1434506
Ion Ratio Lower Upper
172 100
171 35.7 29.2 43.8
170 23.3 19.3 28.9

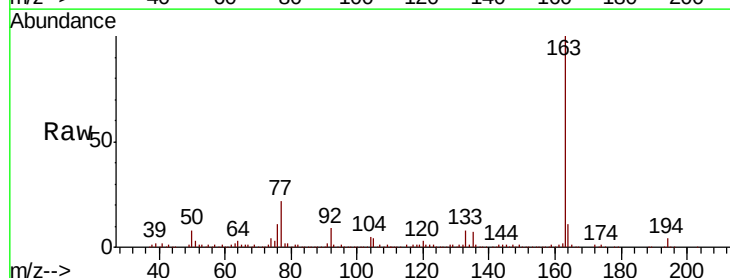


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

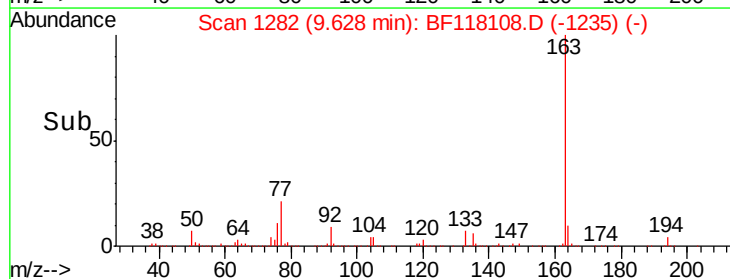
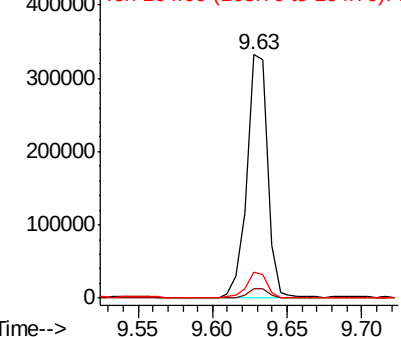


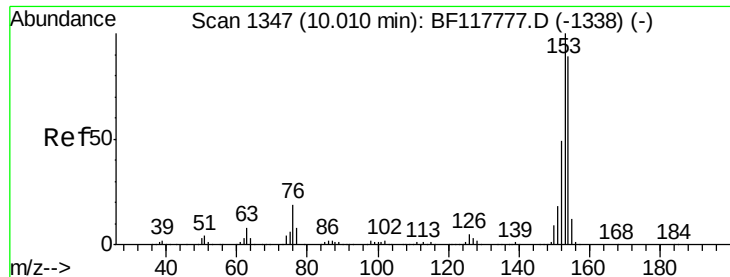
#50
Dimethylphthalate
Concen: 17.917 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF118108.D
Acq: 5 Dec 2019 17:37

Tgt Ion:163 Resp: 314805
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 10.6 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: 2.629 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF118108.D

Acq: 5 Dec 2019 17:37

Instrument :

BNA_F

ClientSampleId :

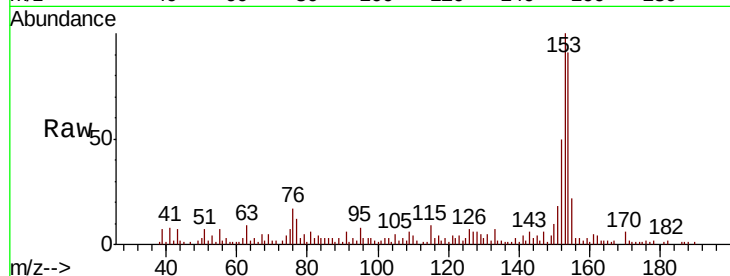
Tot Ion:154 Resp: 37550

Ion Ratio Lower Upper

154 100

153 109.8 91.2 136.8

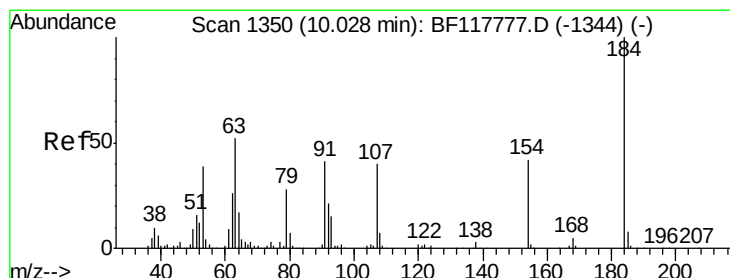
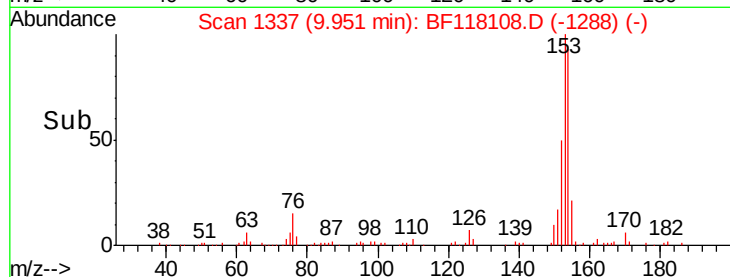
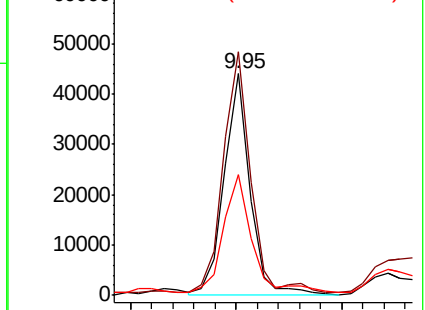
152 54.7 43.6 65.4



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: 8.139 ng

RT: 10.06 min Scan# 1356

Delta R.T. 0.07 min

Lab File: BF118108.D

Acq: 5 Dec 2019 17:37

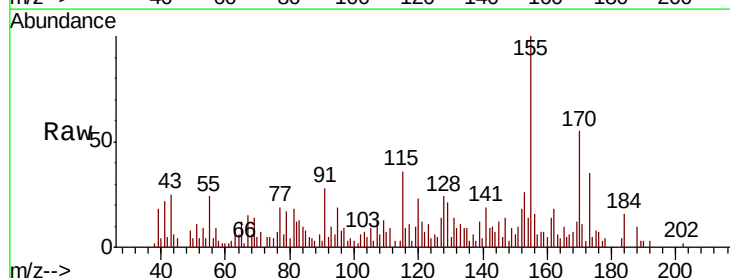
Tgt Ion:184 Resp: 1984

Ion Ratio Lower Upper

184 100

63 55.7 45.3 67.9

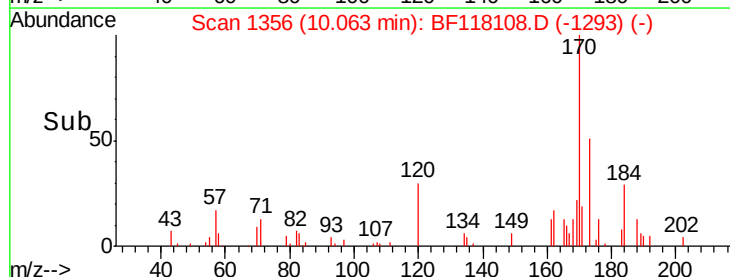
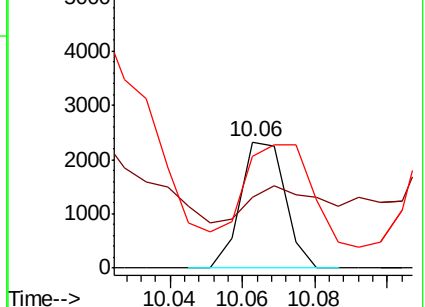
154 88.2 51.6 77.4#

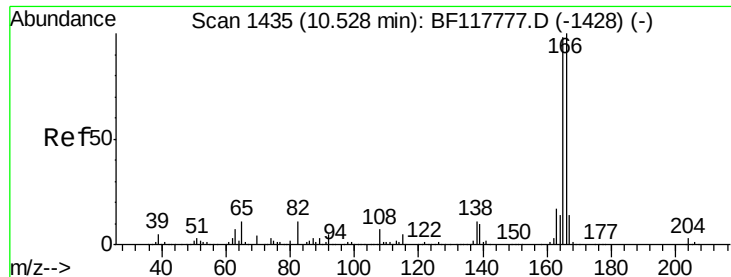


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

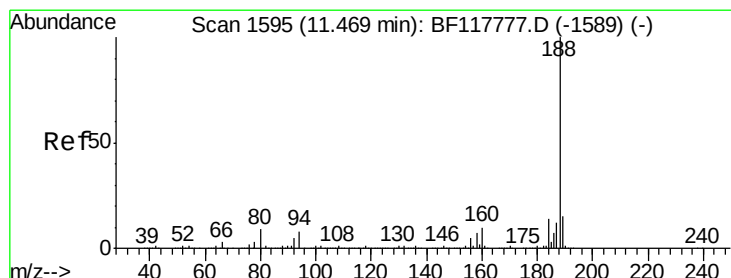
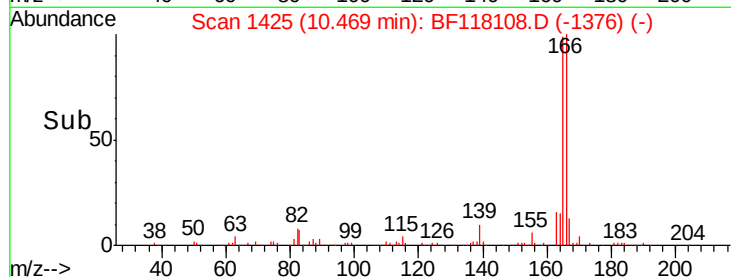
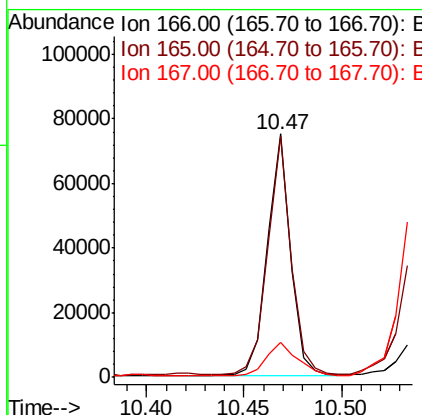
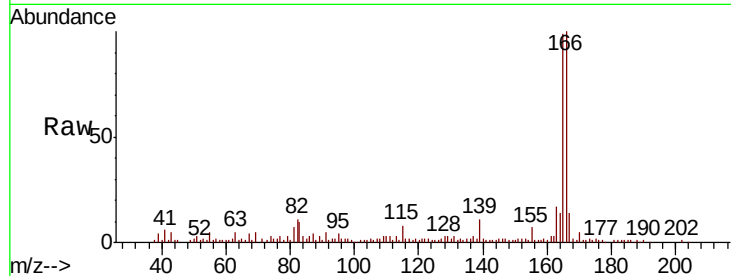




#58
 Fluorene
 Concen: 4.052 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF118108.D
 Acq: 5 Dec 2019 17:37

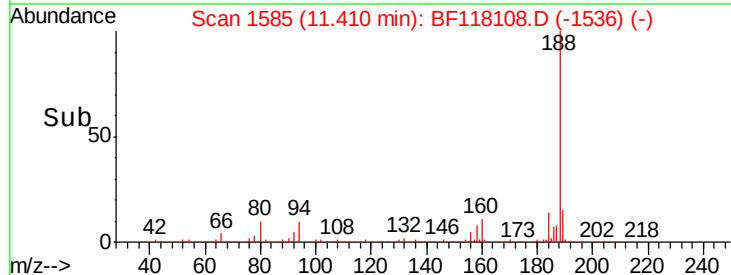
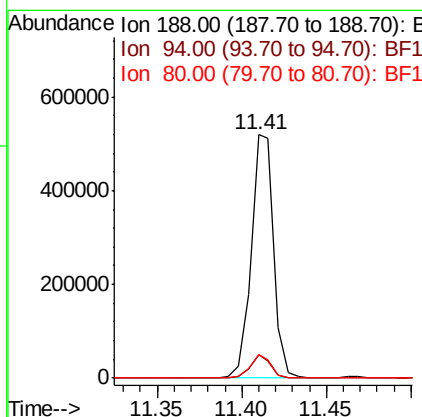
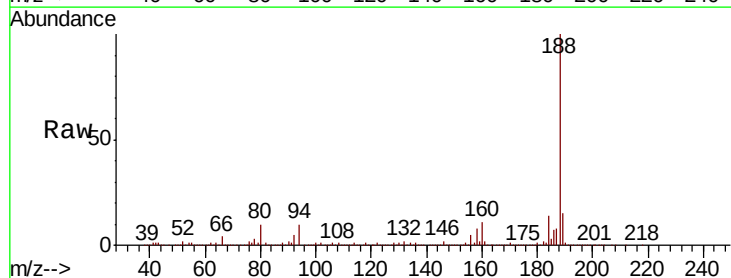
Instrument :
 BNA_F
 ClientSampleId :

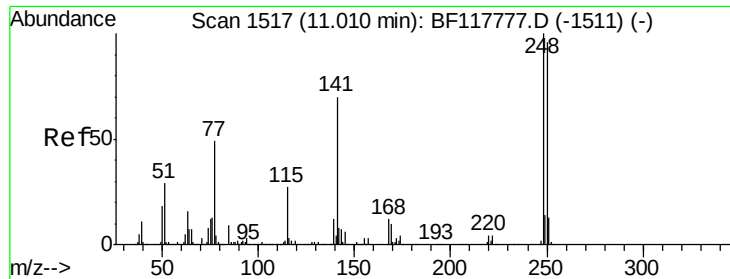
Tot Ion	Ratio	Lower	Upper
166	100		
165	99.0	77.4	116.2
167	14.1	10.7	16.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF118108.D
 Acq: 5 Dec 2019 17:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.0	10.6
80	9.7	7.2	10.8

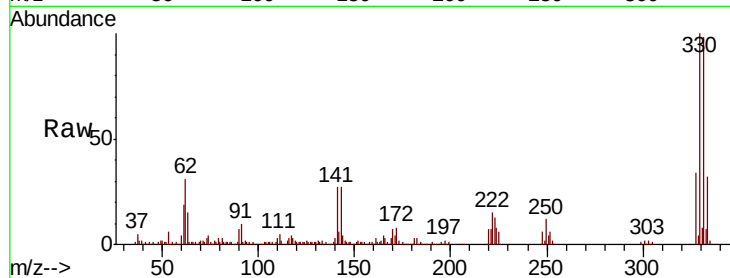




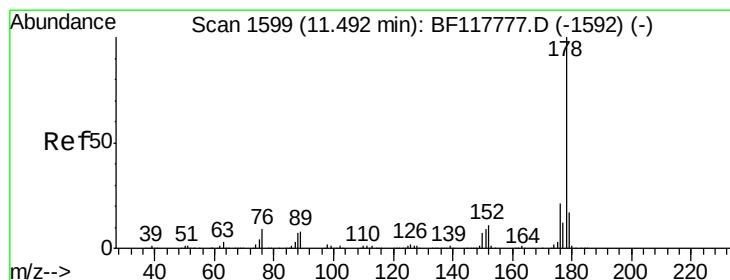
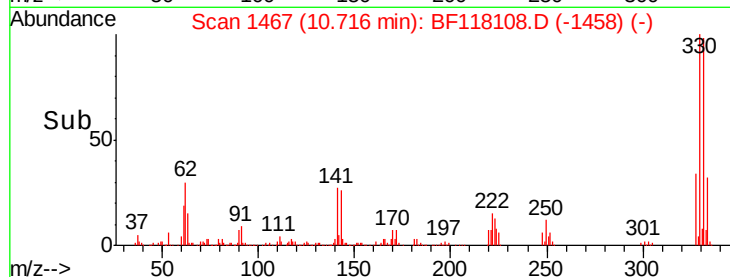
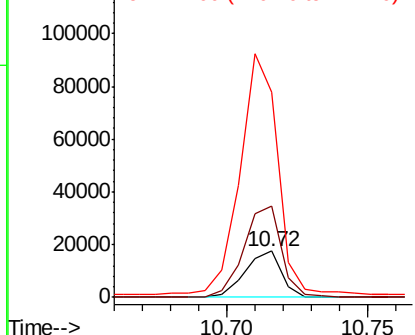
#67
4-Bromophenyl-phenylether
Concen: 3.019 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF118108.D
Acq: 5 Dec 2019 17:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 15667
Ion Ratio Lower Upper
248 100
250 196.5 78.0 117.0#
141 440.9 64.0 96.0#

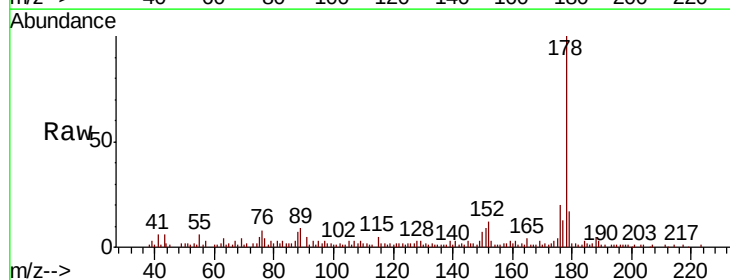


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

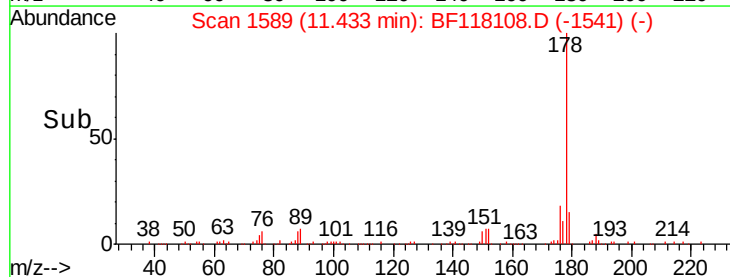
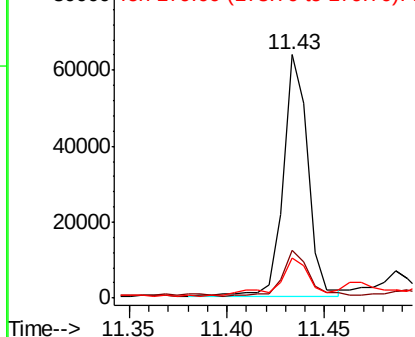


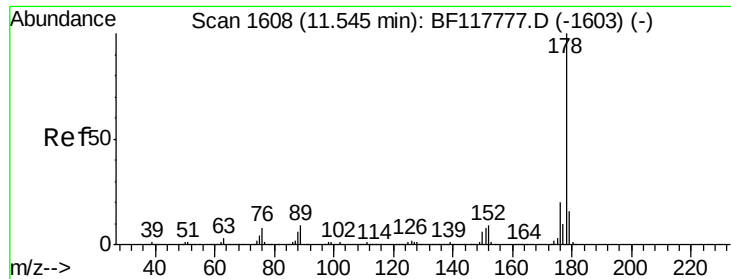
#71
Phenanthrene
Concen: 2.308 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.02 min
Lab File: BF118108.D
Acq: 5 Dec 2019 17:37

Tgt Ion:178 Resp: 55818
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 16.6 12.3 18.5



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

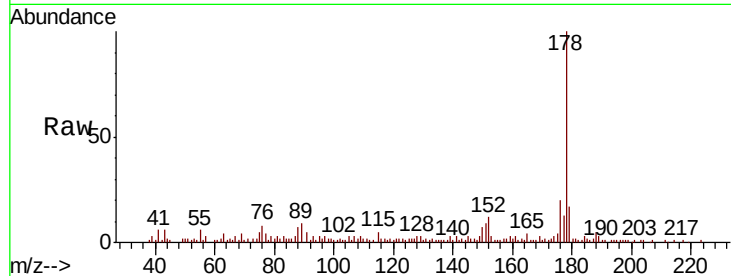




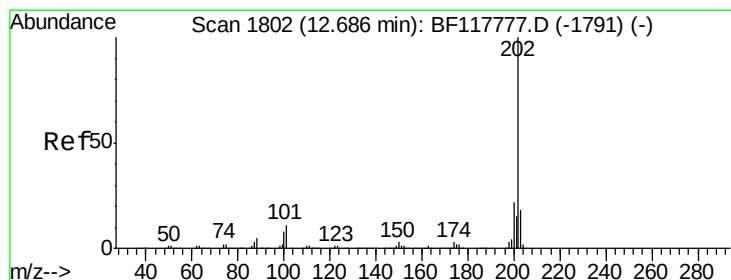
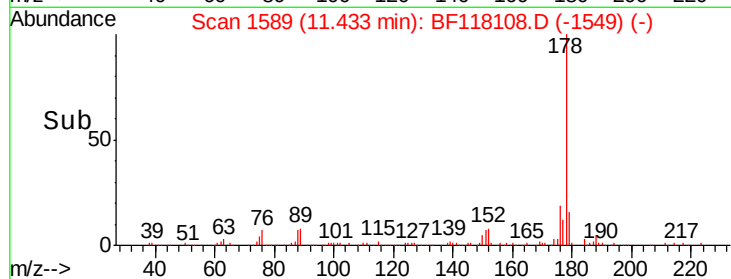
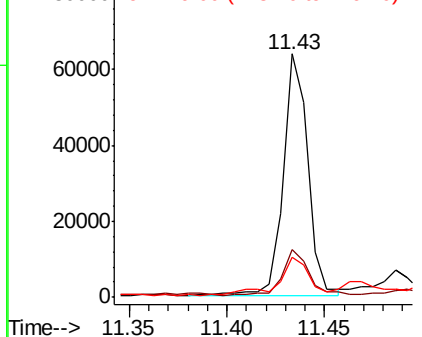
#72
 Anthracene
 Concen: 2.328 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.06 min
 Lab File: BF118108.D
 Acq: 5 Dec 2019 17:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 55818
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.0 22.6
 179 16.6 12.8 19.2

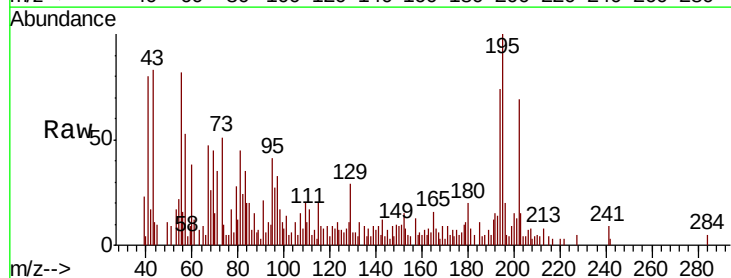


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

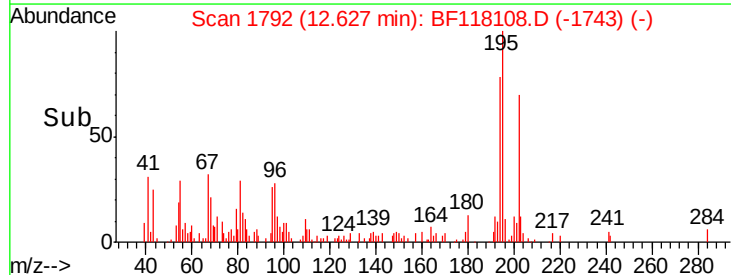
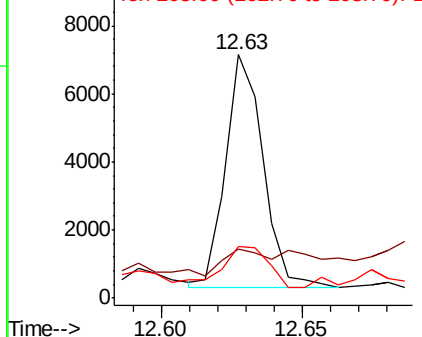


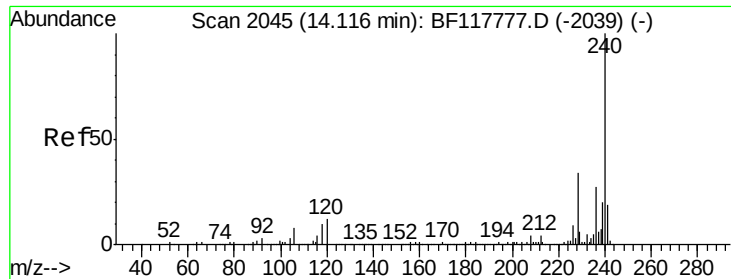
#75
 Fluoranthene
 Concen: Below Cal
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BF118108.D
 Acq: 5 Dec 2019 17:37

Tgt Ion:202 Resp: 6257
 Ion Ratio Lower Upper
 202 100
 101 20.2 0.0 31.5
 203 21.3 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

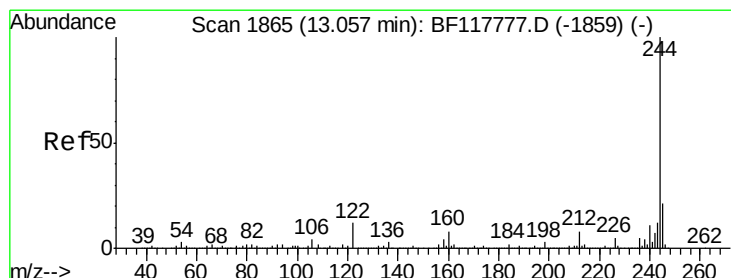
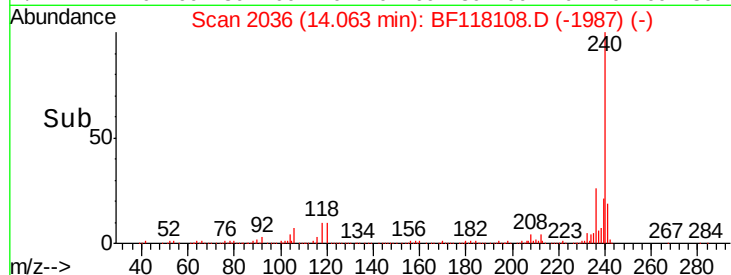
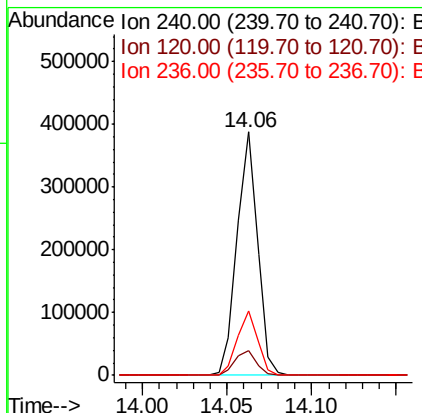
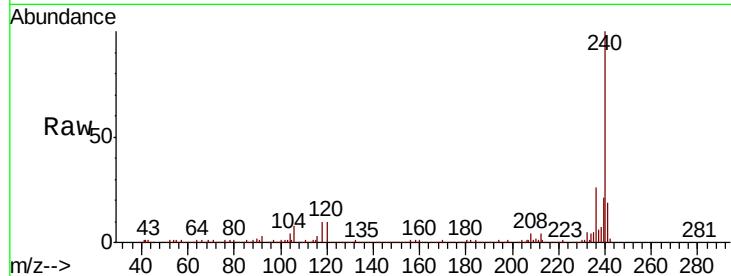




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF118108.D
 Acq: 5 Dec 2019 17:37

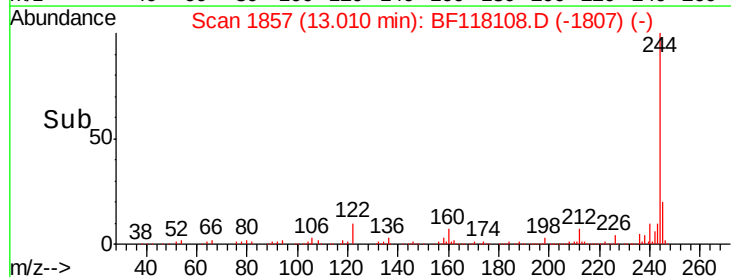
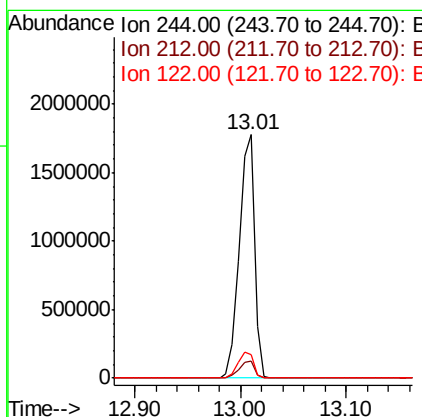
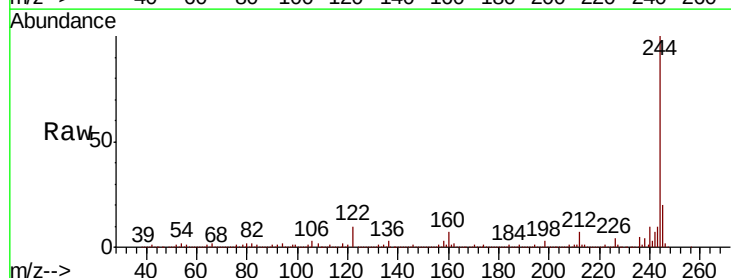
Instrument :
 BNA_F
 ClientSampleId :

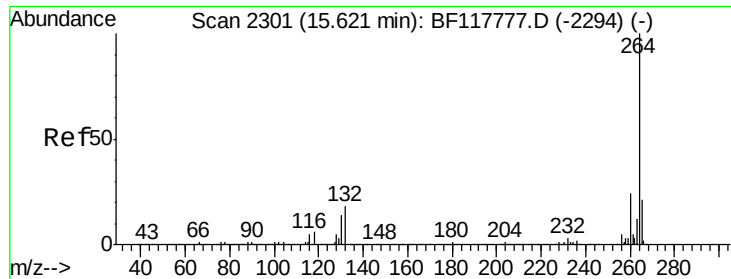
Tot Ion:240 Resp: 328885
 Ion Ratio Lower Upper
 240 100
 120 10.4 8.4 12.6
 236 26.2 20.6 31.0



#79
 Terphenyl-d14
 Concen: 96.742 ng
 RT: 13.01 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: BF118108.D
 Acq: 5 Dec 2019 17:37

Tgt Ion:244 Resp: 1740899
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.2 7.8
 122 9.8 7.2 10.8

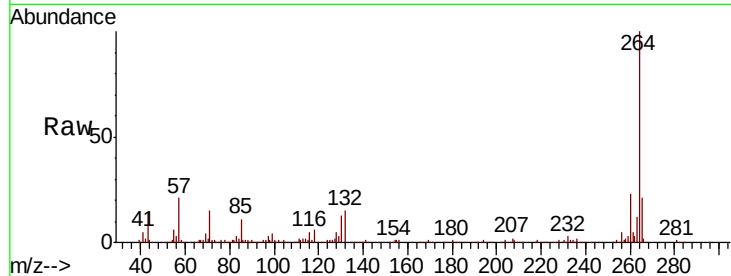




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2290
 Delta R.T. -0.01 min
 Lab File: BF118108.D
 Acq: 5 Dec 2019 17:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.0	28.6
265	21.3	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

