

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120519\
 Data File : BF118109.D
 Acq On : 5 Dec 2019 18:05
 Operator : JU
 Sample : K6098-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 06 03:33:34 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	120173	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	450938	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	222391	20.00	ng	-0.02
64) Phenanthrene-d10	11.41	188	368767	20.00	ng	-0.01
76) Chrysene-d12	14.06	240	191717	20.00	ng	-0.01
87) Perylene-d12	15.56	264	251378	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	740347	109.05	ng	0.00
7) Phenol-d6	6.50	99	652524	79.69	ng	-0.01
23) Nitrobenzene-d5	7.43	82	724750	95.54	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	317497	134.85	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1387501	111.93	ng	0.00
79) Terphenyl-d14	13.00	244	1220594	116.36	ng	-0.01

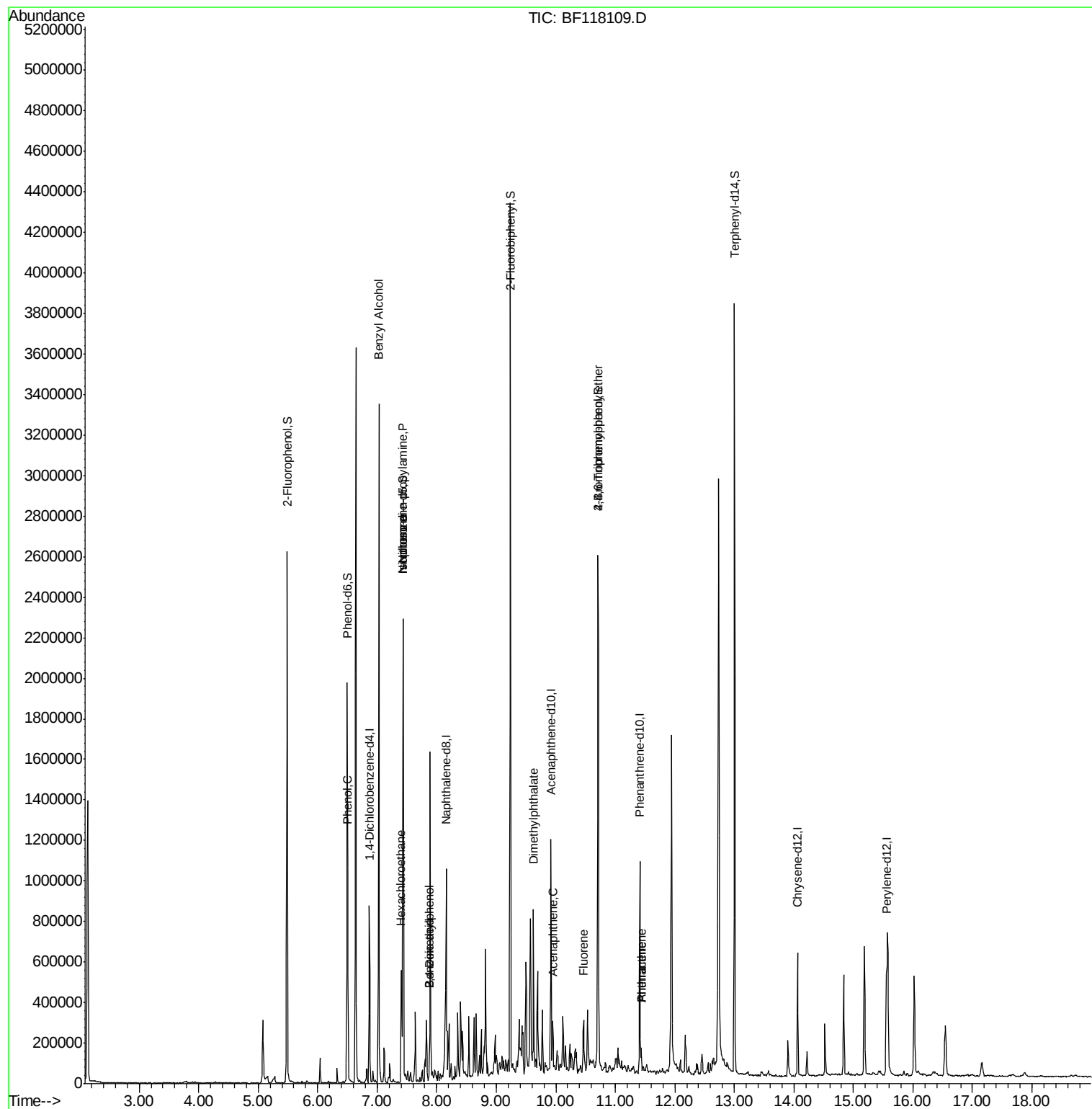
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.42	77	2331	Below Cal		95
10) Phenol	6.51	94	110061	12.934	ng	98
15) Benzyl Alcohol	7.03	79	17220	2.724	ng	# 45
18) Hexachloroethane	7.40	117	60227	18.702	ng	# 4
19) n-Nitroso-di-n-propylamine	7.43	70	101209	20.034	ng	# 74
25) Isophorone	7.43	82	724847	52.134	ng	# 63
27) 2,4-Dimethylphenol	7.87	122	15056	2.544	ng	# 9
32) Benzoic acid	7.87	122	15056	3.038	ng	92
50) Dimethylphthalate	9.63	163	290650	18.637	ng	99
52) Acenaphthene	9.95	154	42009	3.314	ng	98
58) Fluorene	10.47	166	62902	4.624	ng	98
67) 4-Bromophenyl-phenylether	10.71	248	19805	4.977	ng	# 1
71) Phenanthrene	11.43	178	43286	2.335	ng	96
72) Anthracene	11.43	178	43286	2.355	ng	98
75) Fluoranthene	12.63	202	3742	Below Cal		75

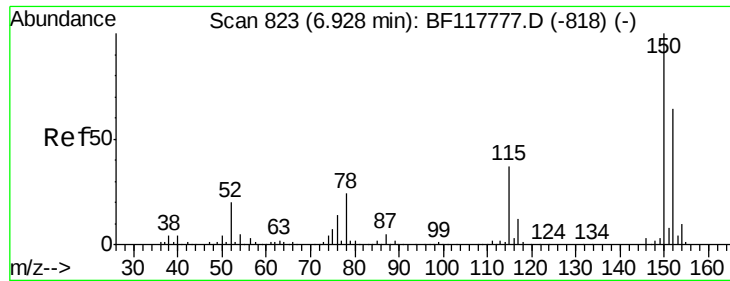
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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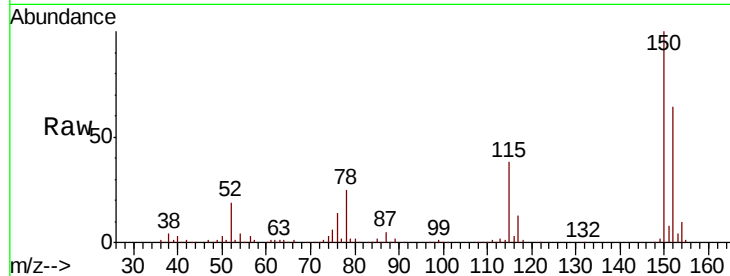


#1

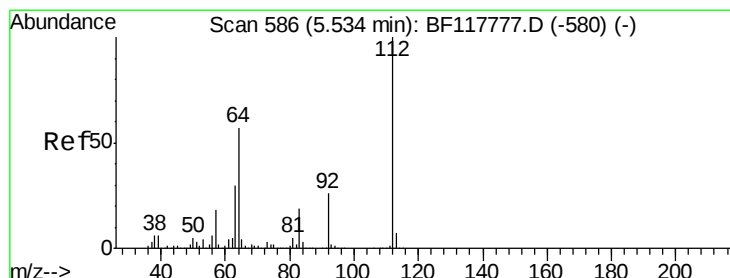
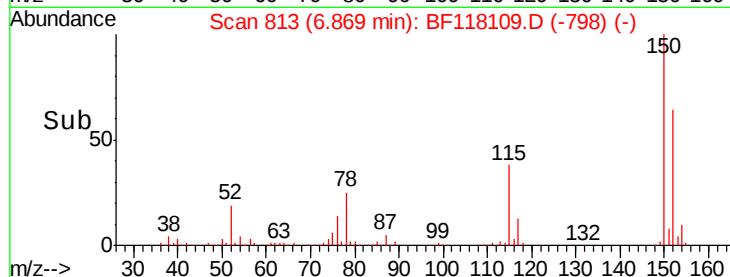
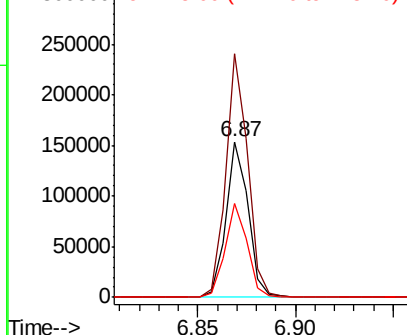
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF118109.D
 Acq: 5 Dec 2019 18:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	121.4	182.2
115	59.9	48.8	73.2



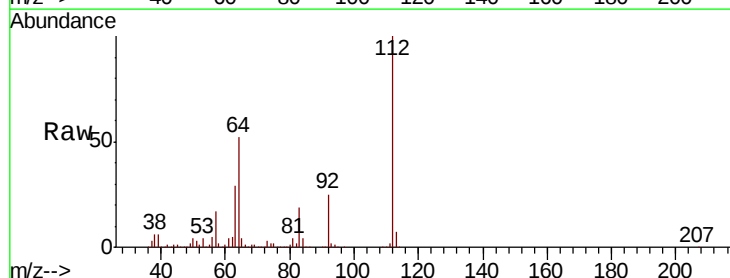
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



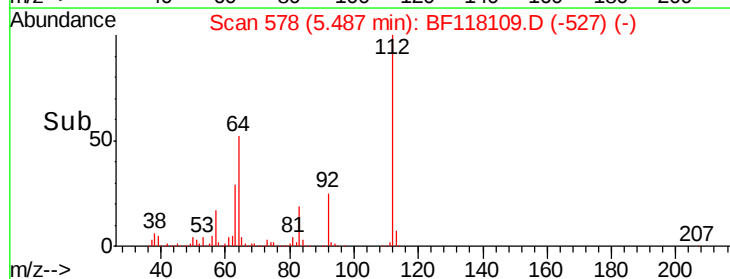
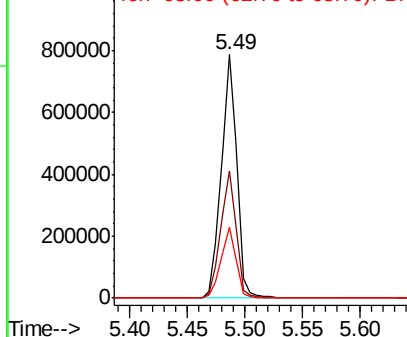
#5

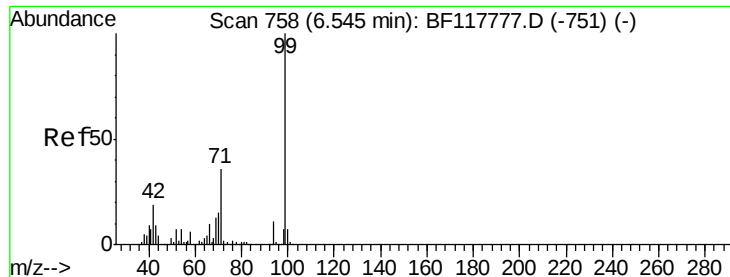
2-Fluorophenol
 Concen: 109.051 ng
 RT: 5.49 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: BF118109.D
 Acq: 5 Dec 2019 18:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	45.1	67.7
63	29.2	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: 79.686 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

Instrument :

BNA_F

ClientSampleId :

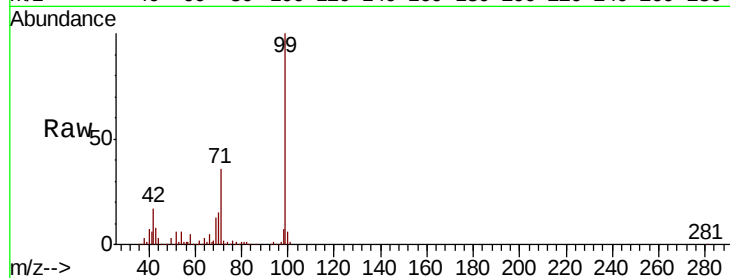
Tot Ion: 99 Resp: 652524

Ion Ratio Lower Upper

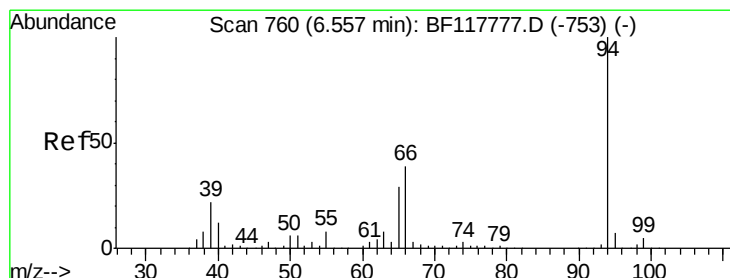
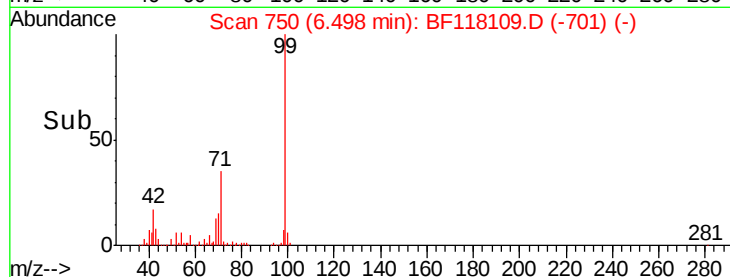
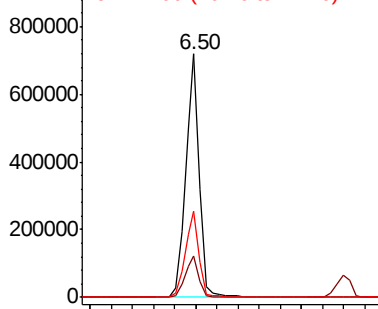
99 100

42 16.9 14.0 21.0

71 35.5 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: 12.934 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

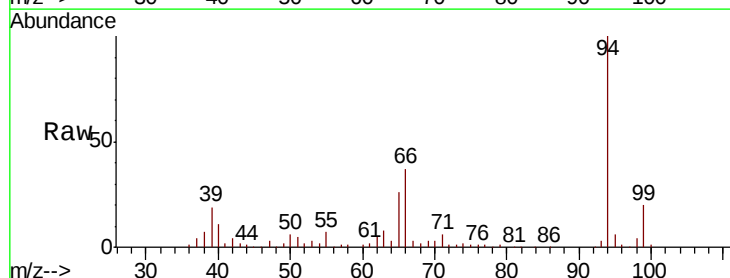
Tgt Ion: 94 Resp: 110061

Ion Ratio Lower Upper

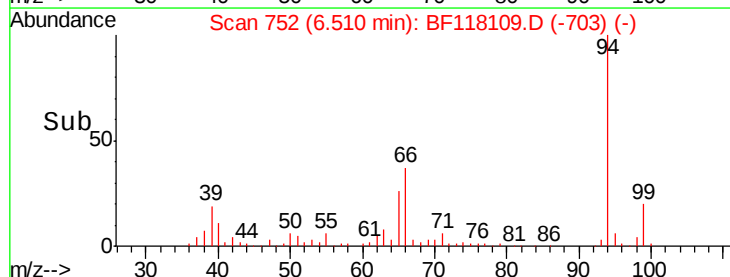
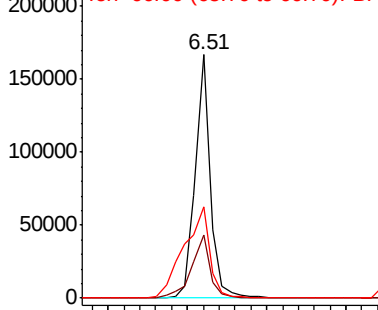
94 100

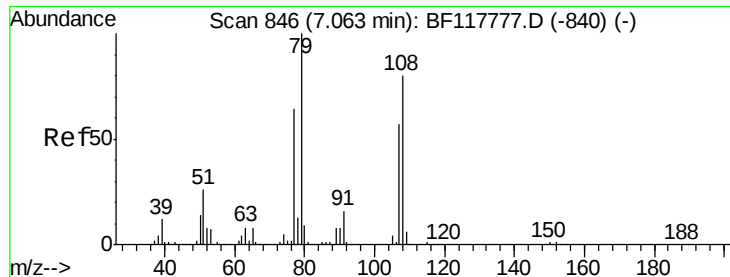
65 26.1 6.9 46.9

66 37.3 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: 2.724 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.01 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

Instrument :

BNA_F

ClientSampleId :

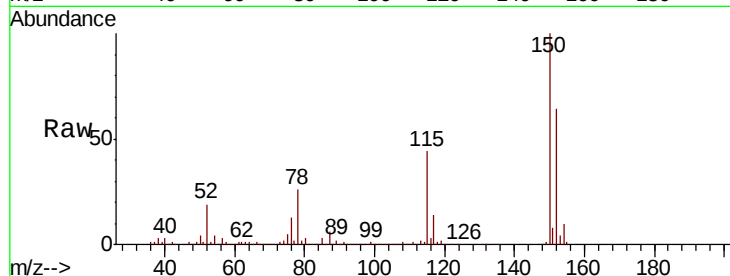
Tot Ion: 79 Resp: 17220

Ion Ratio Lower Upper

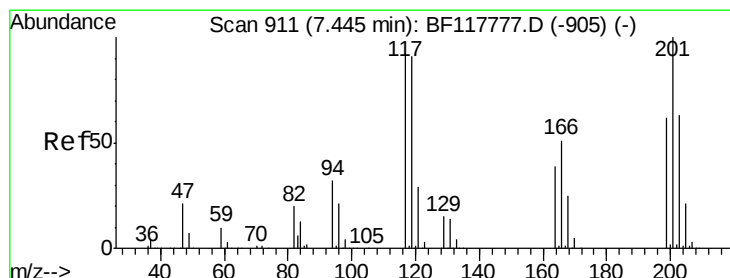
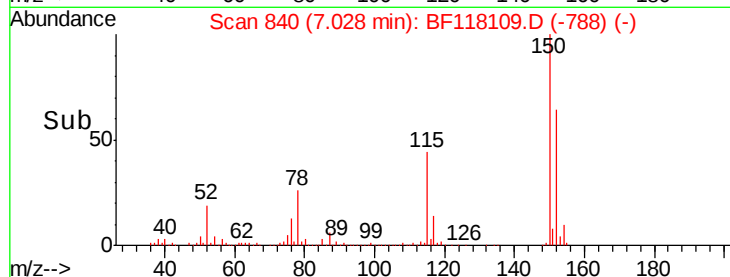
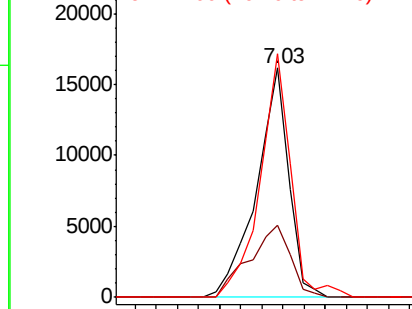
79 100

108 31.6 63.1 94.7#

77 106.3 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1



#18

Hexachloroethane

Concen: 18.702 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.01 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

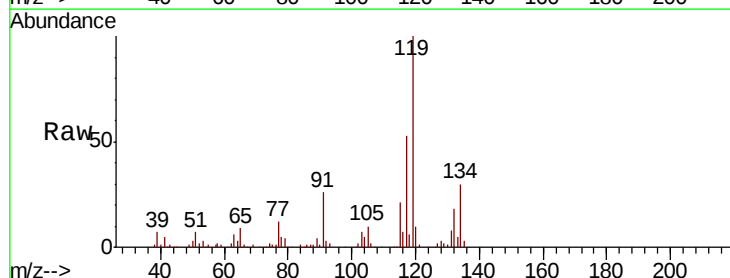
Tgt Ion: 117 Resp: 60227

Ion Ratio Lower Upper

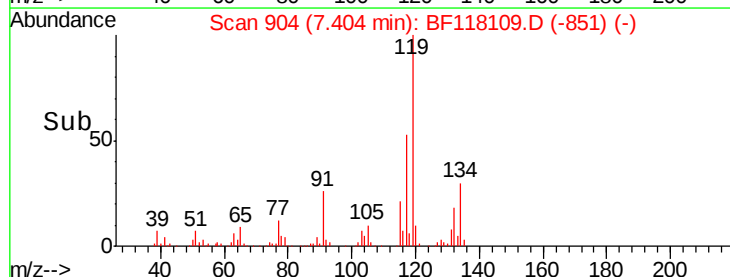
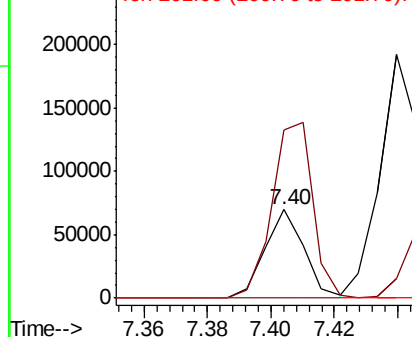
117 100

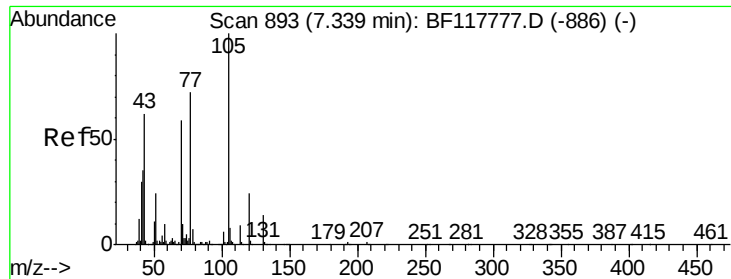
119 190.1 76.4 114.6#

201 0.0 71.7 107.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

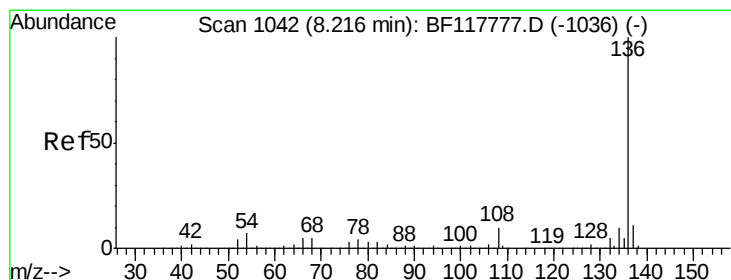
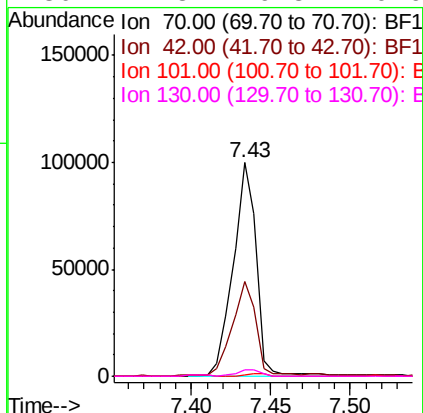
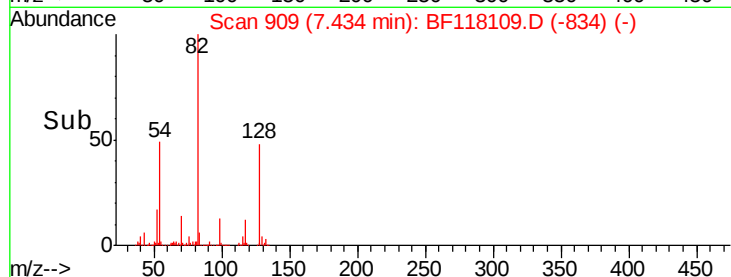
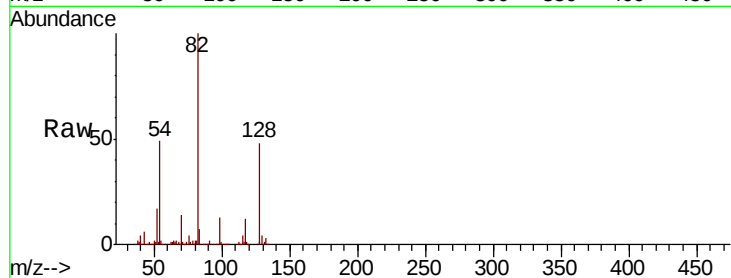




#19
n-Nitroso-di-n-propylamine
Concen: 20.034 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.14 min
Lab File: BF118109.D
Acq: 5 Dec 2019 18:05

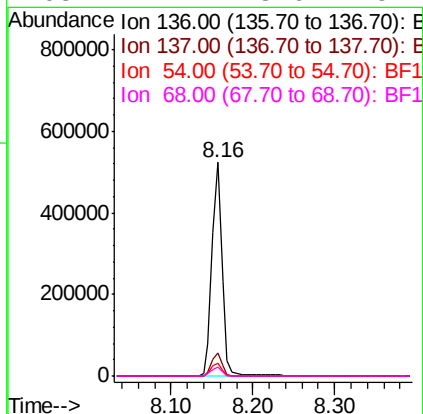
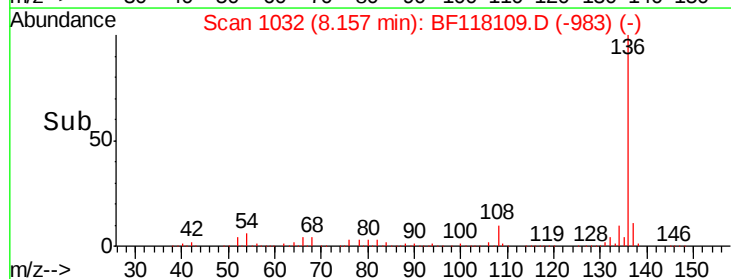
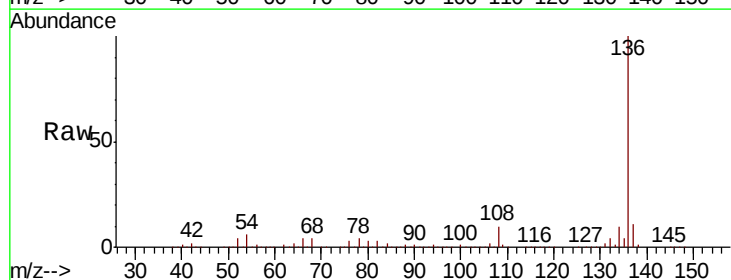
Instrument :
BNA_F
ClientSampleId :

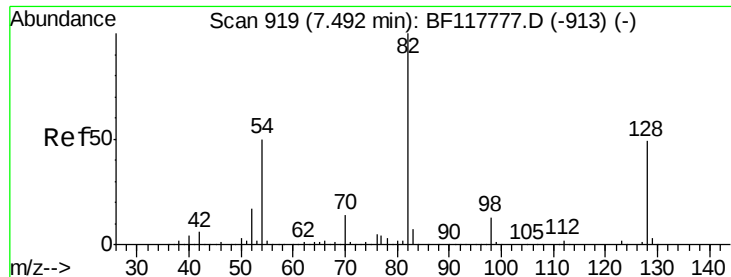
Tot Ion: 70 Resp: 101209
Ion Ratio Lower Upper
70 100
42 44.5 46.0 69.0#
101 0.5 8.8 13.2#
130 2.8 19.8 29.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF118109.D
Acq: 5 Dec 2019 18:05

Tgt Ion: 136 Resp: 450938
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 5.9 4.9 7.3
68 4.4 3.6 5.4

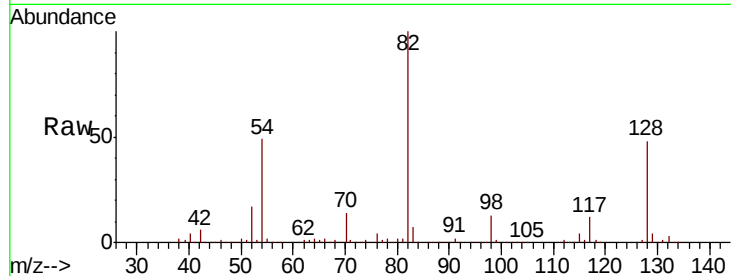




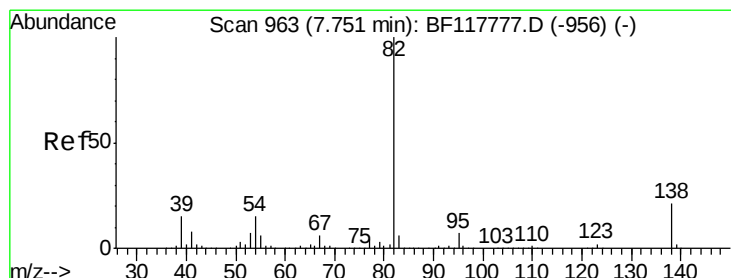
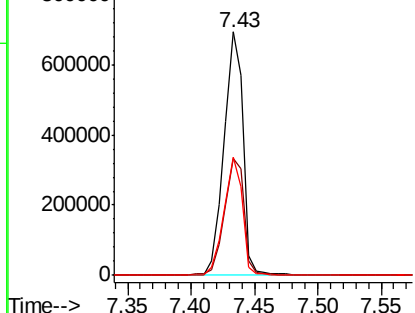
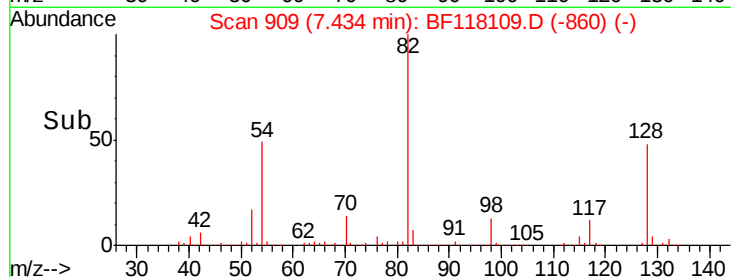
#23
 Nitrobenzene-d5
 Concen: 95.542 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF118109.D
 Acq: 5 Dec 2019 18:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	724750
Ion Ratio	Lower	Upper	
82	100		
128	47.8	38.2	57.4
54	48.6	39.0	58.4

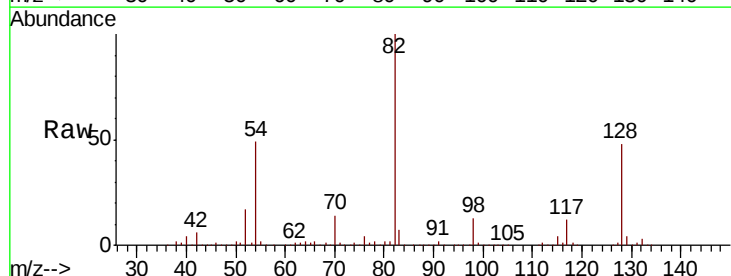


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

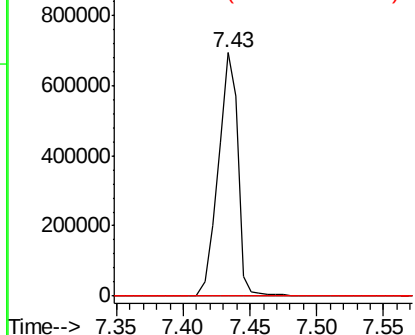
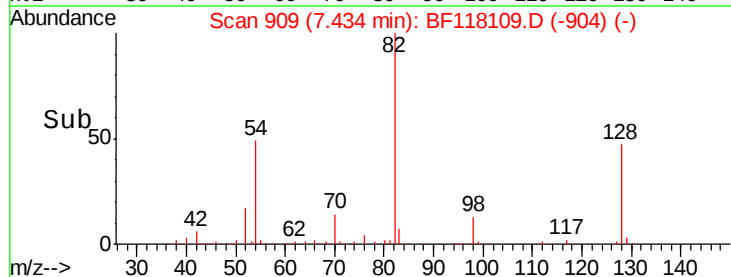


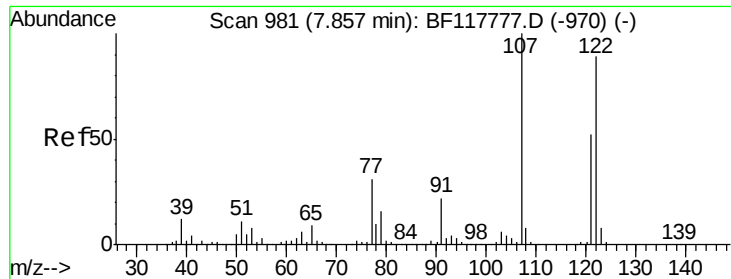
#25
 Isophorone
 Concen: 52.134 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.27 min
 Lab File: BF118109.D
 Acq: 5 Dec 2019 18:05

Tgt Ion	82	Resp	724847
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

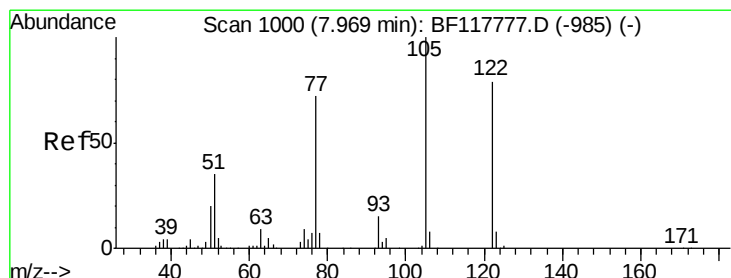
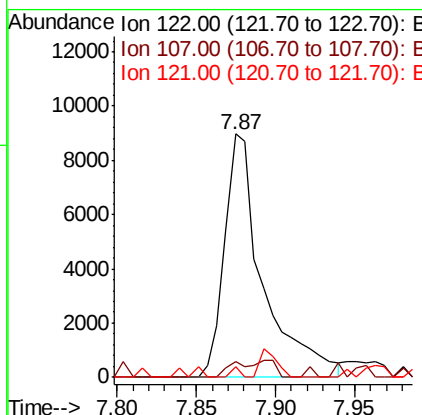
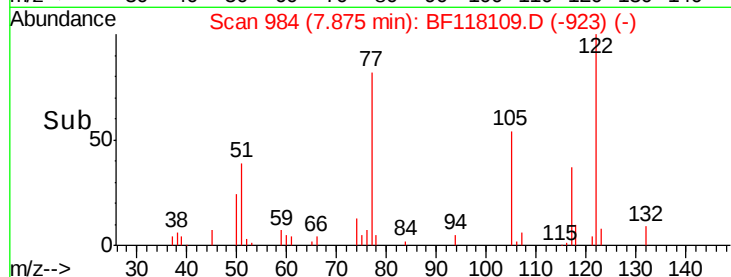
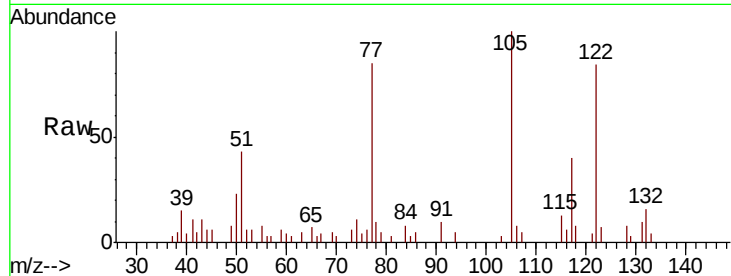




#27
2,4-Dimethylphenol
Concen: 2.544 ng
RT: 7.87 min Scan# 984
Delta R.T. 0.06 min
Lab File: BF118109.D
Acq: 5 Dec 2019 18:05

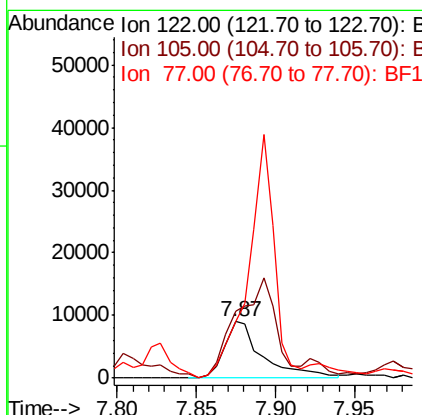
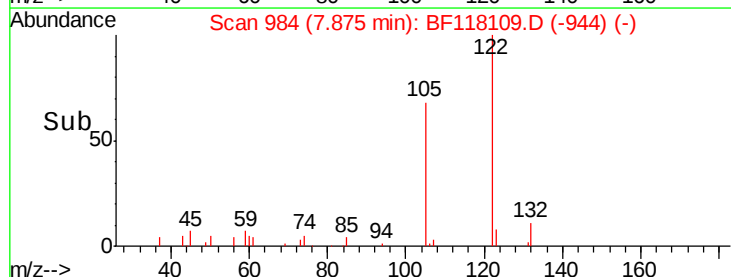
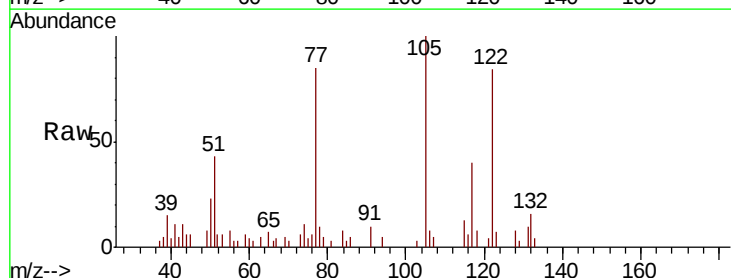
Instrument :
BNA_F
ClientSampleId :

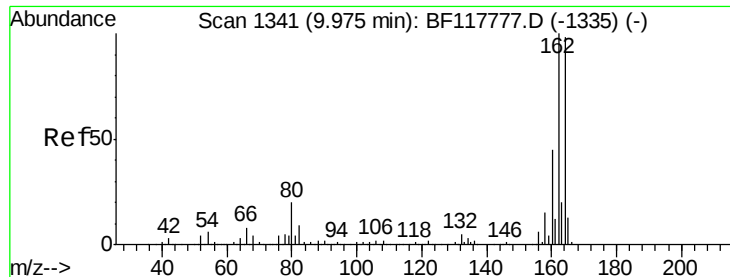
Tot Ion:122 Resp: 15056
Ion Ratio Lower Upper
122 100
107 6.4 92.6 138.8#
121 4.4 46.9 70.3#



#32
Benzoic acid
Concen: 3.038 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.06 min
Lab File: BF118109.D
Acq: 5 Dec 2019 18:05

Tgt Ion:122 Resp: 15056
Ion Ratio Lower Upper
122 100
105 119.2 101.4 141.4
77 101.1 66.4 106.4

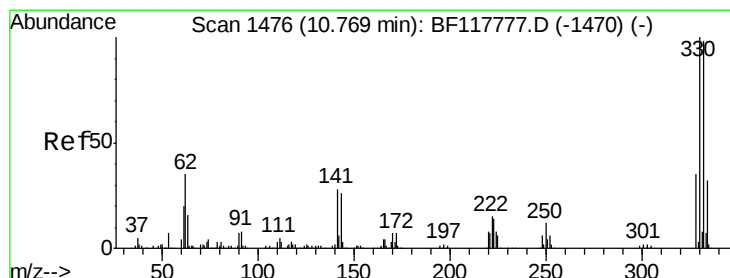
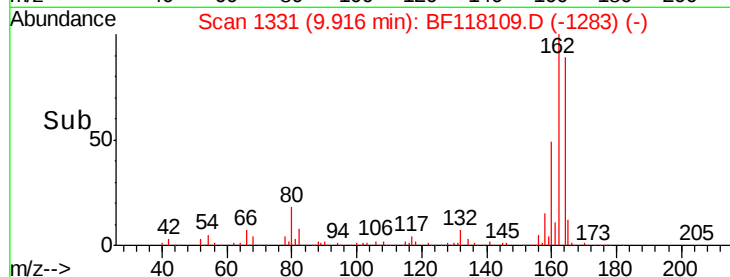
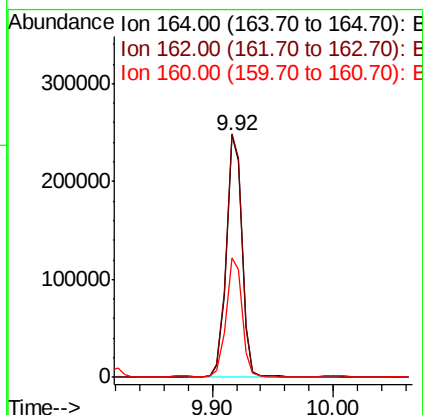
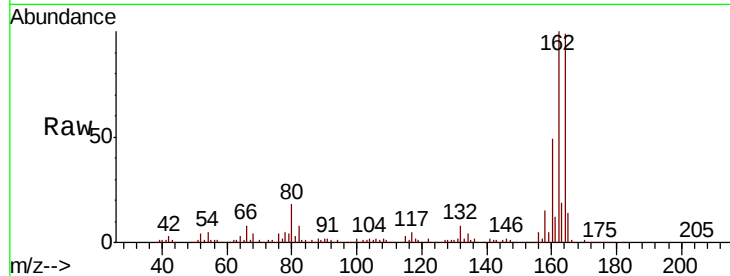




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF118109.D
Acq: 5 Dec 2019 18:05

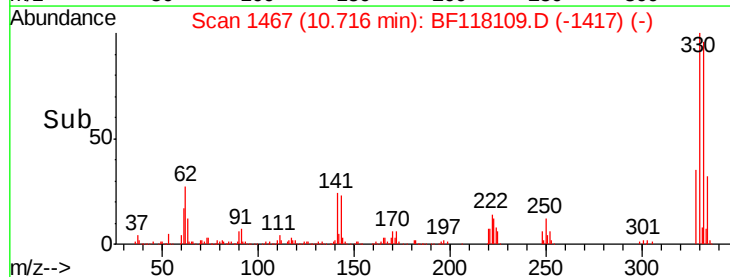
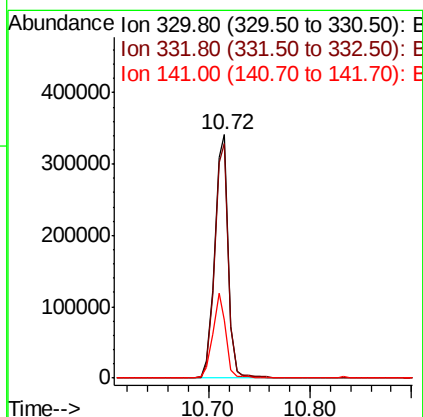
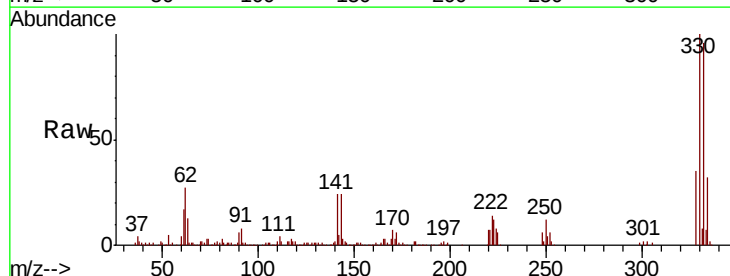
Instrument :
BNA_F
ClientSampleId :

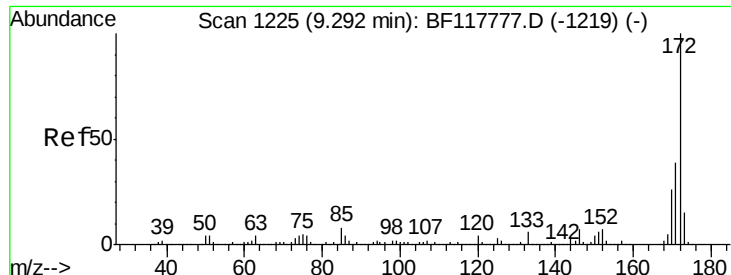
Tot Ion:164 Resp: 222391
Ion Ratio Lower Upper
164 100
162 100.5 81.8 122.8
160 49.5 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 134.851 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF118109.D
Acq: 5 Dec 2019 18:05

Tgt Ion:330 Resp: 317497
Ion Ratio Lower Upper
330 100
332 96.6 78.3 117.5
141 33.5 26.4 39.6

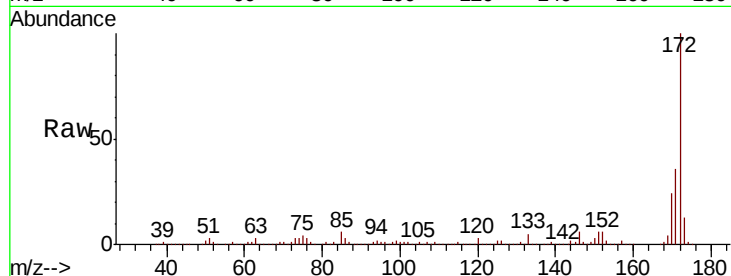




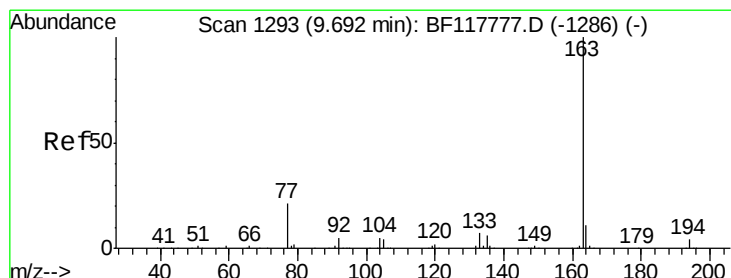
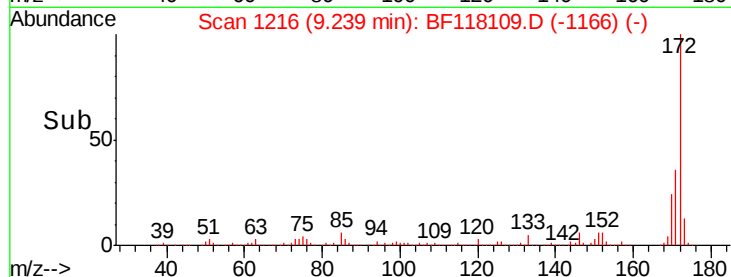
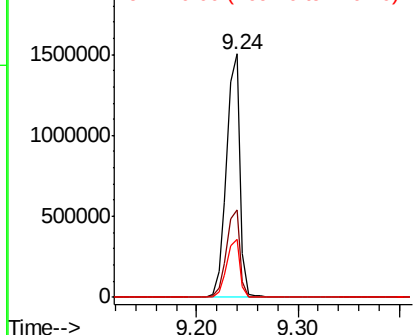
#45
2-Fluorobiphenyl
Concen: 111.930 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF118109.D
Acq: 5 Dec 2019 18:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1387501
Ion Ratio Lower Upper
172 100
171 36.2 29.2 43.8
170 23.8 19.3 28.9

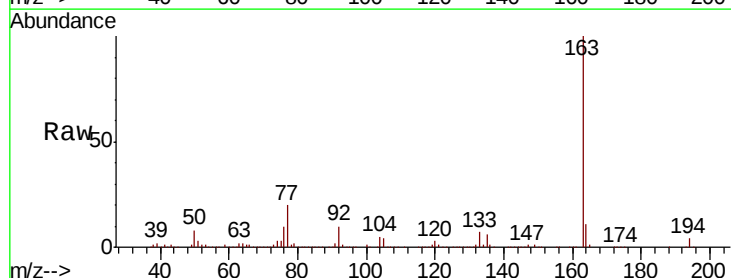


Abundance Ion 172.00 (171.70 to 172.70): E
2000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

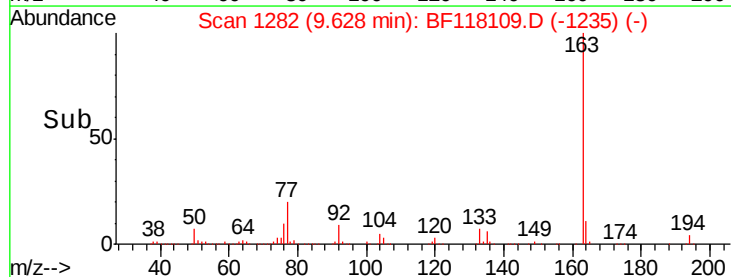
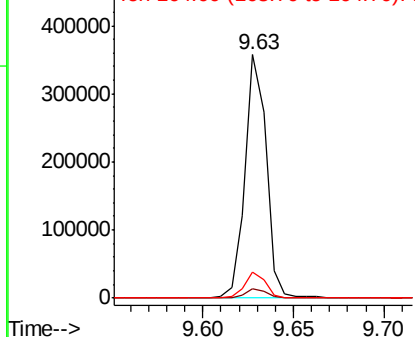


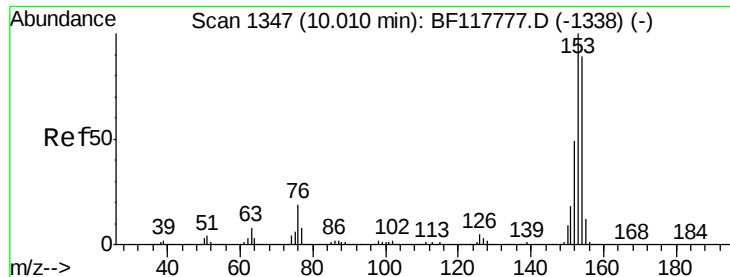
#50
Dimethylphthalate
Concen: 18.637 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF118109.D
Acq: 5 Dec 2019 18:05

Tgt Ion:163 Resp: 290650
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.6 7.9 11.9



Abundance Ion 163.00 (162.70 to 163.70): E
500000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

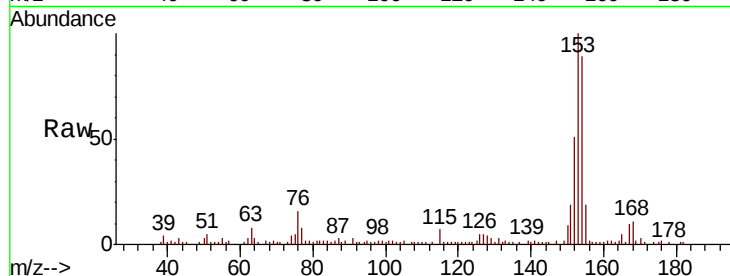




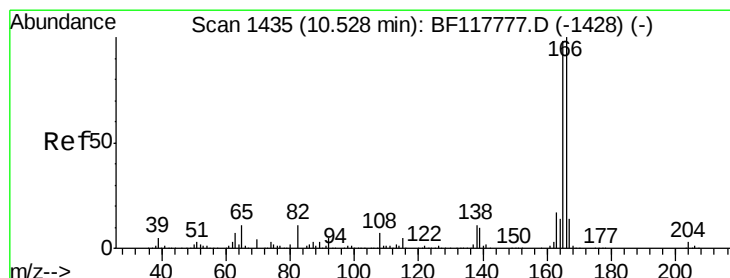
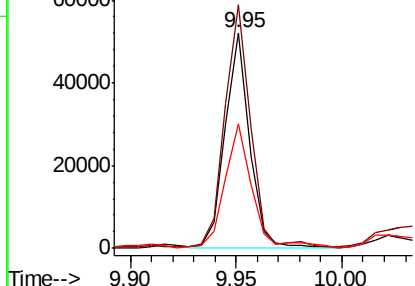
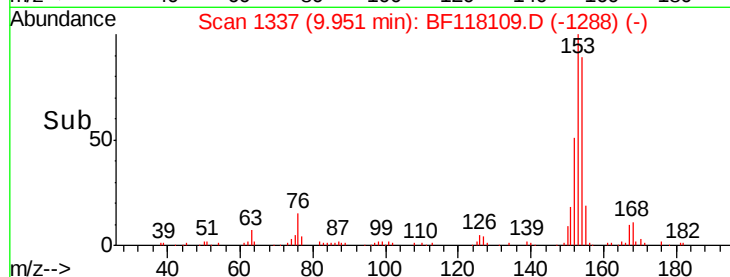
#52
Acenaphthene
Concen: 3.314 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF118109.D
Acq: 5 Dec 2019 18:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:154 Resp: 42009
Ion Ratio Lower Upper
154 100
153 113.0 91.2 136.8
152 57.9 43.6 65.4

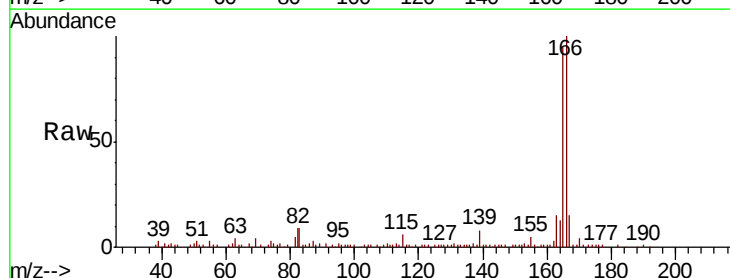


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

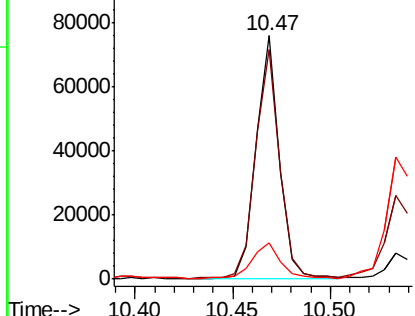
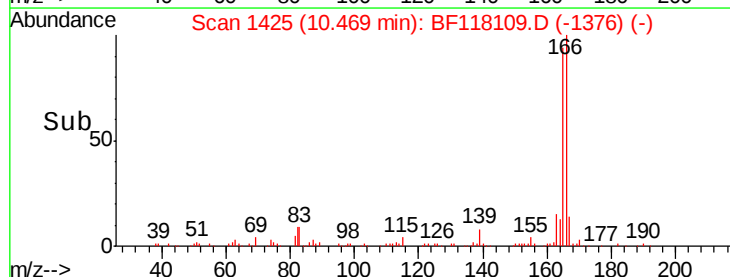


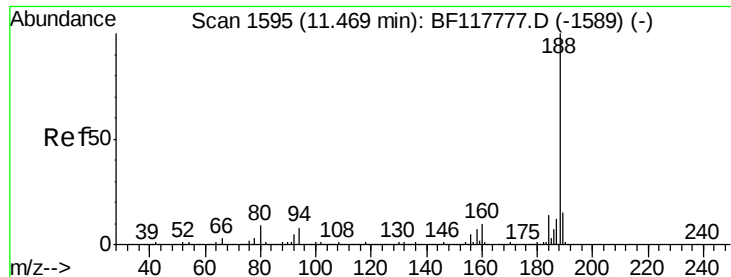
#58
Fluorene
Concen: 4.624 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF118109.D
Acq: 5 Dec 2019 18:05

Tgt Ion:166 Resp: 62902
Ion Ratio Lower Upper
166 100
165 94.5 77.4 116.2
167 14.7 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: BF118109.D

Acq: 5 Dec 2019 18:05

Instrument :

BNA_F

ClientSampled :

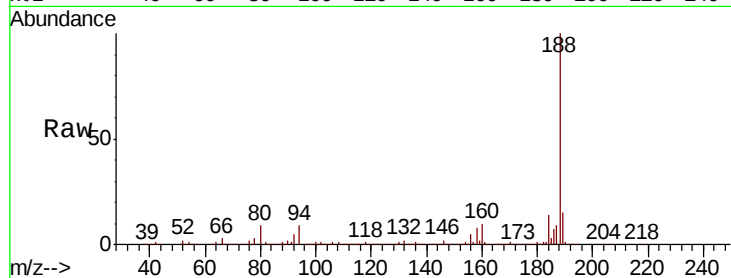
Tot Ion:188 Resp: 368767

Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.6

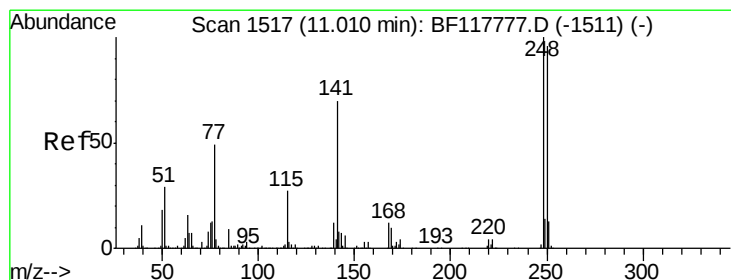
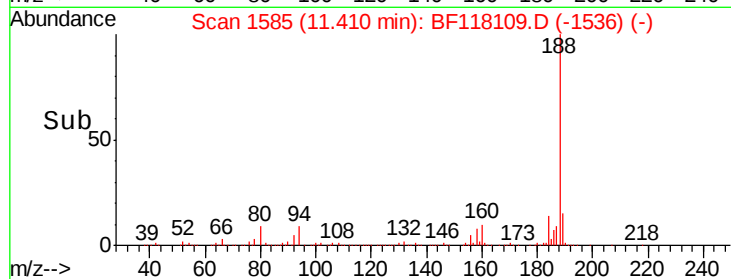
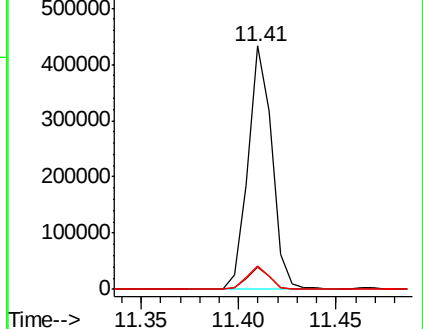
80 9.4 7.2 10.8



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: 4.977 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.25 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

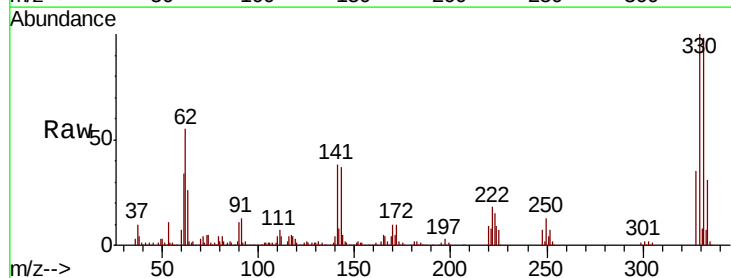
Tgt Ion:248 Resp: 19805

Ion Ratio Lower Upper

248 100

250 190.6 78.0 117.0#

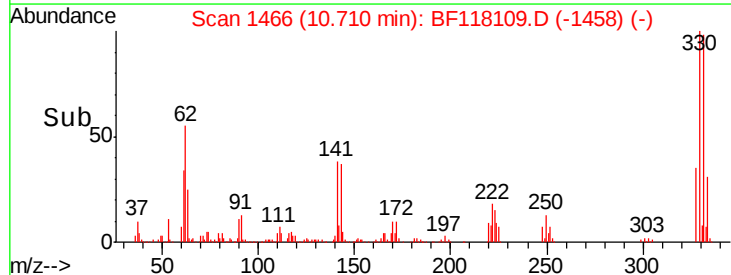
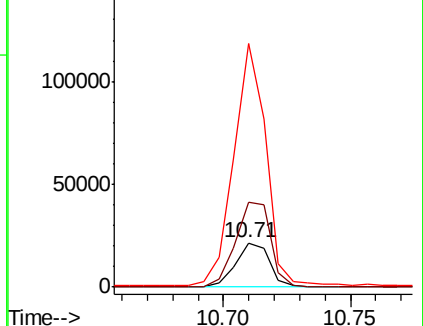
141 547.7 64.0 96.0#

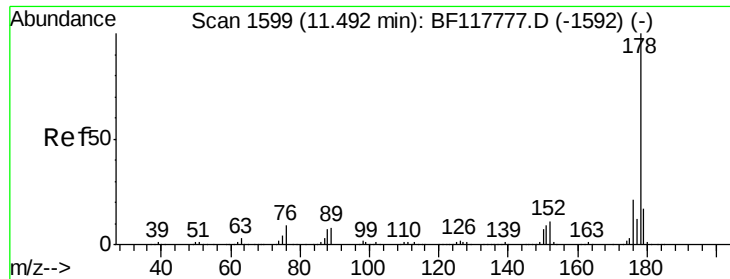


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 2.335 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.02 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

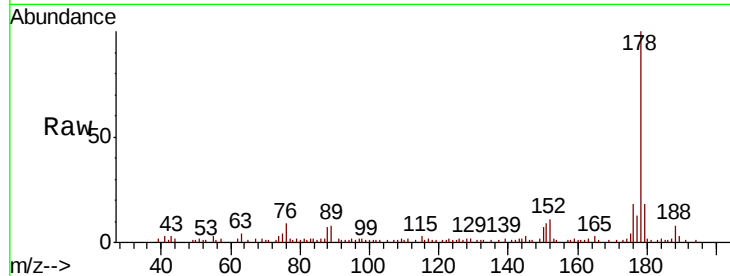
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 43286

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	17.9	12.3	18.5

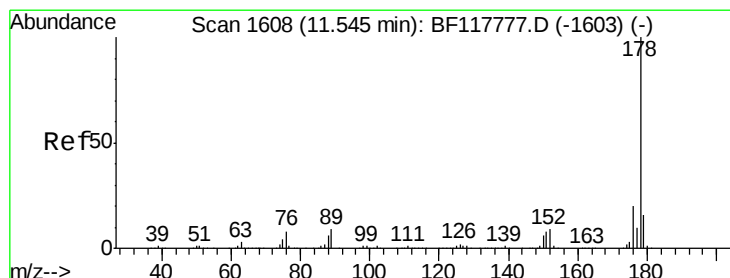
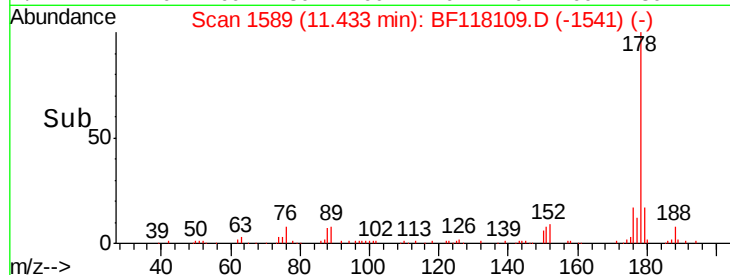
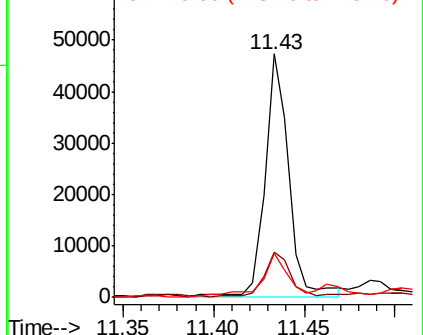


Abundance

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: 2.355 ng

RT: 11.43 min Scan# 1589

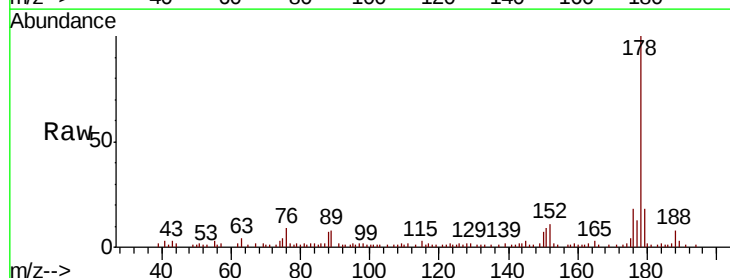
Delta R.T. -0.06 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

Tgt Ion:178 Resp: 43286

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.6
179	17.9	12.8	19.2

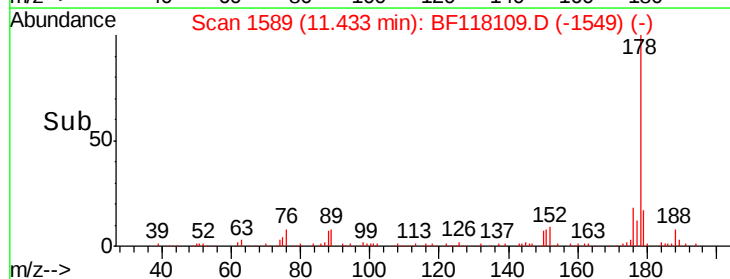
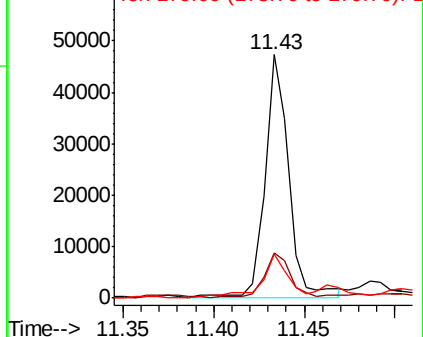


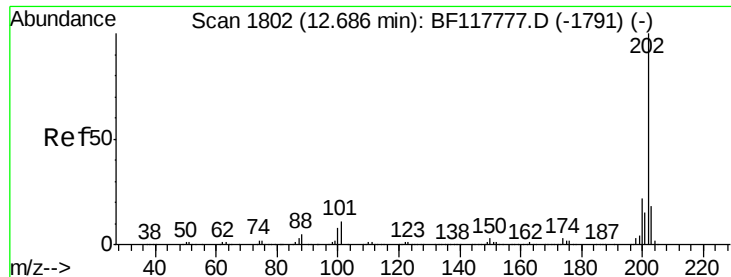
Abundance

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: BF118109.D

Acq: 5 Dec 2019 18:05

Instrument :

BNA_F

ClientSampleId :

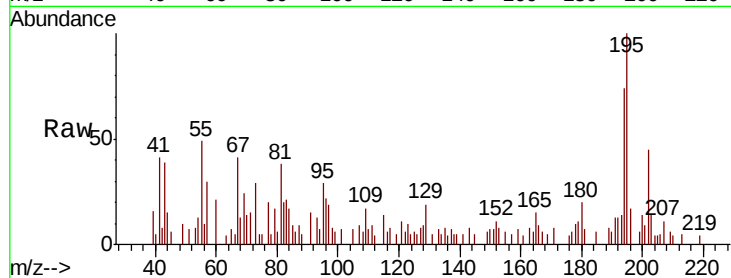
Tot Ion:202 Resp: 3742

Ion Ratio Lower Upper

202 100

101 16.7 0.0 31.5

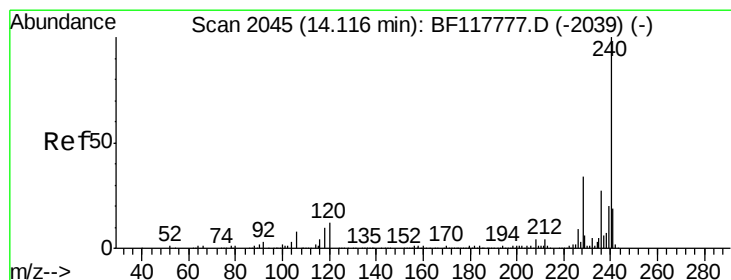
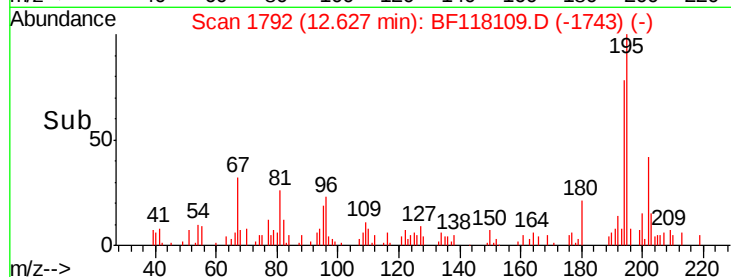
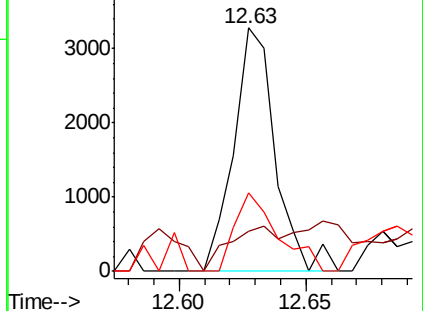
203 32.2 0.0 37.6



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: BF118109.D

Acq: 5 Dec 2019 18:05

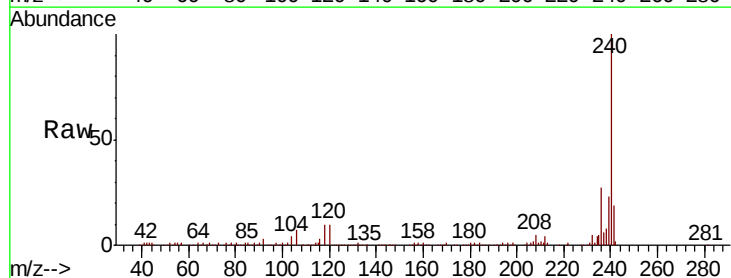
Tgt Ion:240 Resp: 191717

Ion Ratio Lower Upper

240 100

120 10.0 8.4 12.6

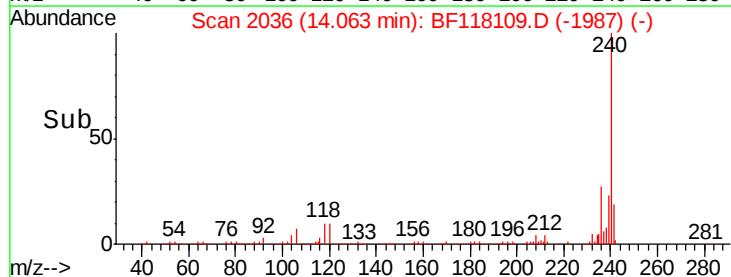
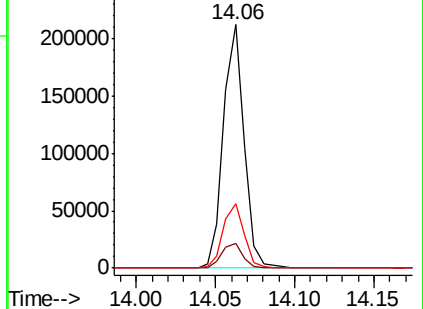
236 26.5 20.6 31.0

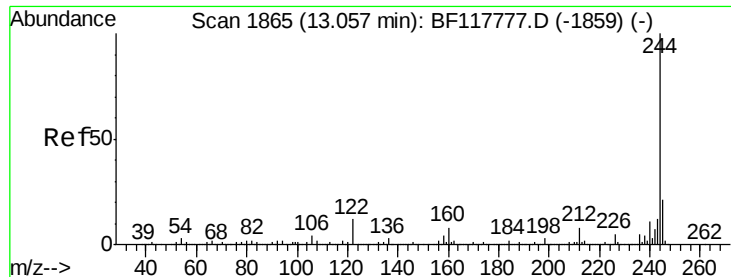


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 116.357 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

Instrument :

BNA_F

ClientSampleId :

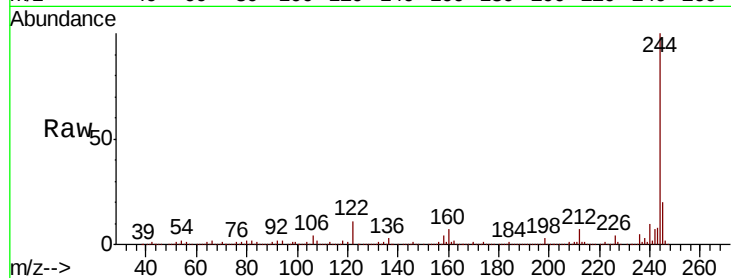
Tot Ion:244 Resp: 1220594

Ion Ratio Lower Upper

244 100

212 7.1 5.2 7.8

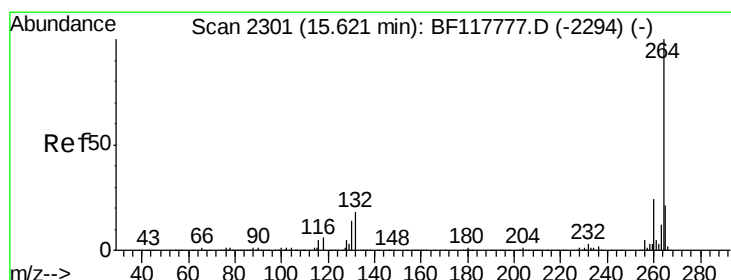
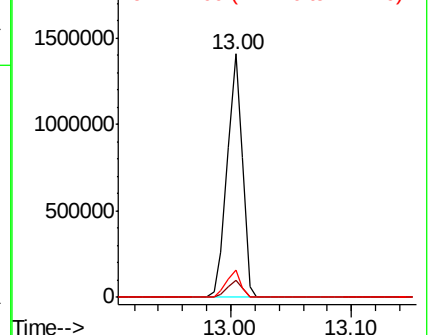
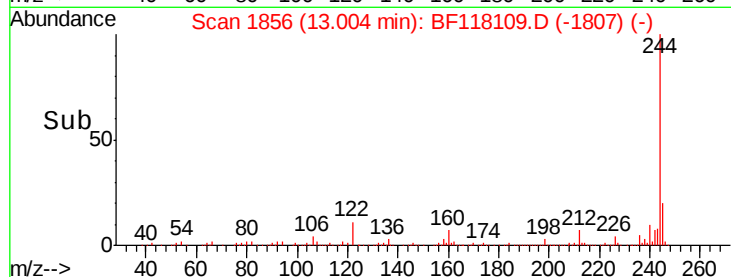
122 11.0 7.2 10.8#



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: BF118109.D

Acq: 5 Dec 2019 18:05

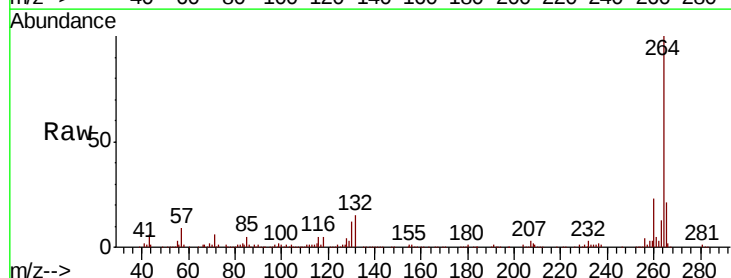
Tgt Ion:264 Resp: 251378

Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.6

265 21.4 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

