

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
 Data File : BF118102.D
 Acq On : 4 Dec 2019 22:38
 Operator : JU
 Sample : K6098-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 00:41:50 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	160892	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	511413	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	260956	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	469732	20.00	ng	0.00
76) Chrysene-d12	14.07	240	326575	20.00	ng	0.00
87) Perylene-d12	15.57	264	405205	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	890636	97.99	ng	0.01
7) Phenol-d6	6.50	99	793990	72.42	ng	0.00
23) Nitrobenzene-d5	7.44	82	803113	93.35	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	449353	162.65	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1592777	109.50	ng	0.00
79) Terphenyl-d14	13.02	244	1731367	96.89	ng	0.00

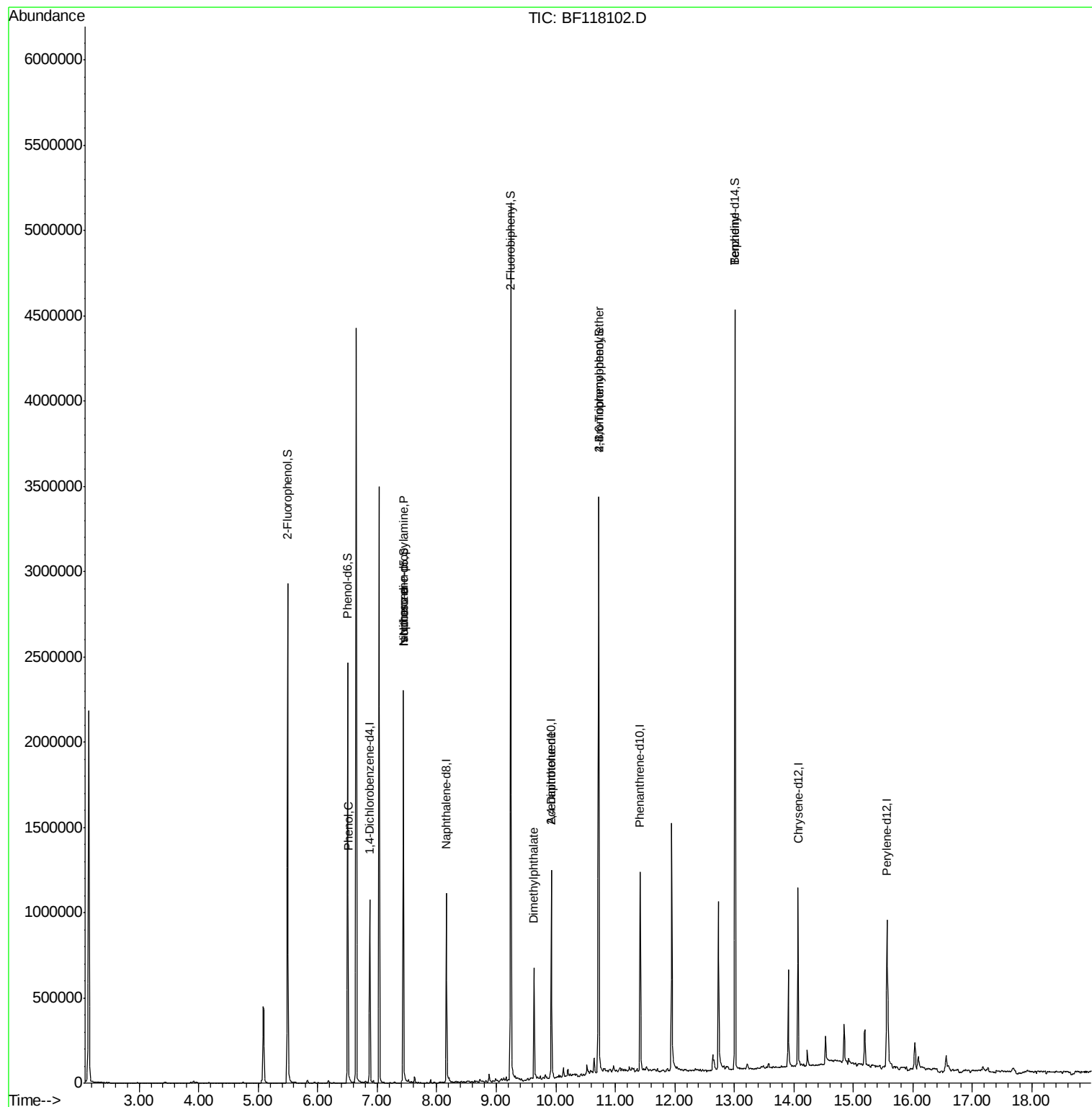
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	1479	Below Cal		# 1
10) Phenol	6.52	94	29597	2.598	ng	99
19) n-Nitroso-di-n-propylamine	7.44	70	107749	15.931	ng	# 74
25) Isophorone	7.44	82	803107	50.933	ng	# 63
50) Dimethylphthalate	9.63	163	285294	15.590	ng	99
57) 2,4-Dinitrotoluene	9.93	165	33779	6.640	ng	# 33
67) 4-Bromophenyl-phenylether	10.72	248	27745	5.474	ng	# 1
75) Fluoranthene	12.64	202	8602	Below Cal		97
77) Benzidine	13.01	184	23866	2.231	ng	# 89

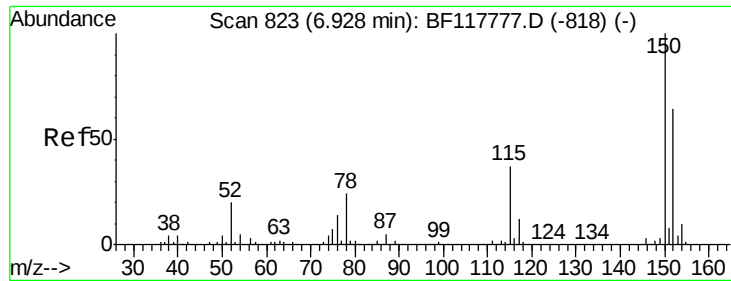
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 03 15:16:53 2019
Response via : Initial Calibration



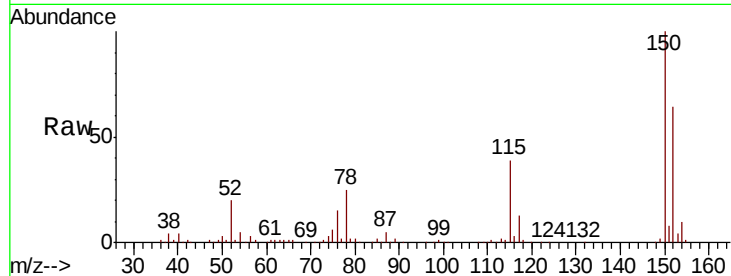


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF118102.D
 Acq: 4 Dec 2019 22:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	121.4	182.2
115	61.9	48.8	73.2

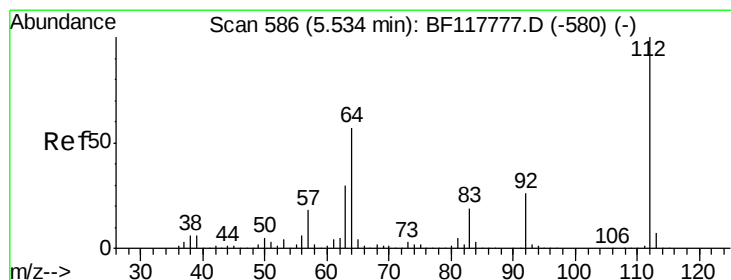
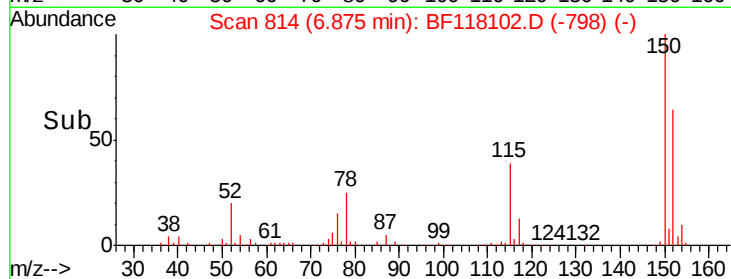
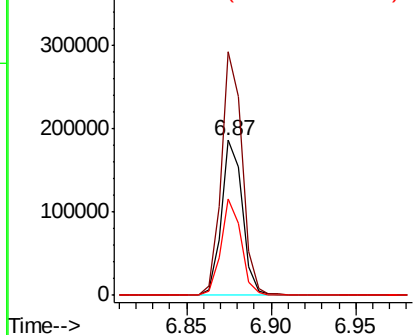


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

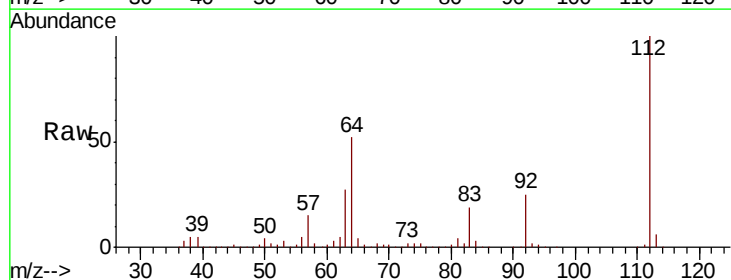
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 97.986 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: BF118102.D
 Acq: 4 Dec 2019 22:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.5	45.1	67.7
63	27.1	24.6	37.0

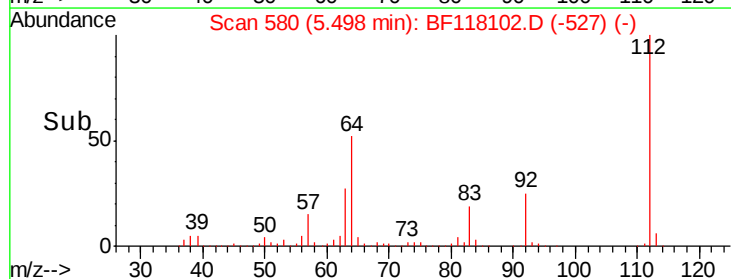
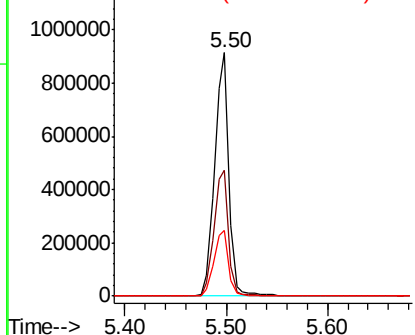


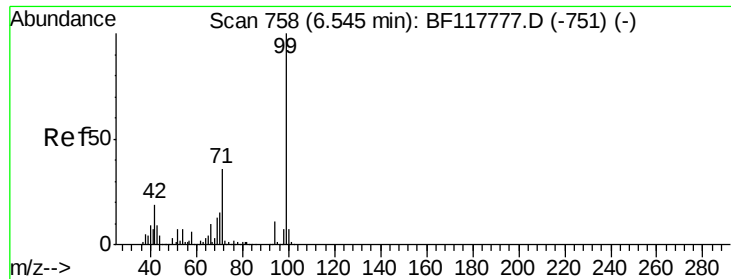
Abundance

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: 72.423 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118102.D

Acq: 4 Dec 2019 22:38

Instrument :

BNA_F

ClientSampleId :

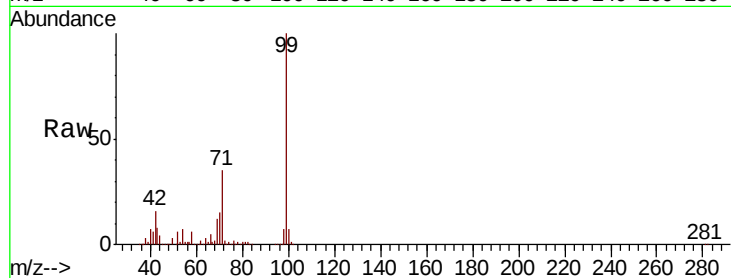
Tot Ion: 99 Resp: 793990

Ion Ratio Lower Upper

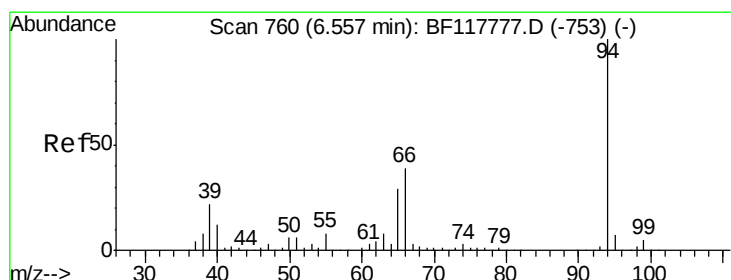
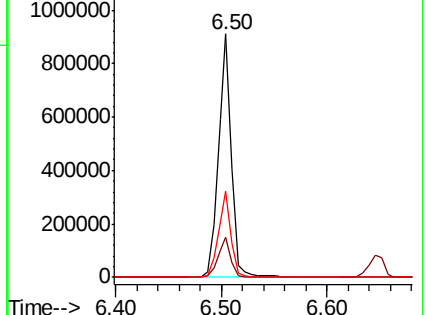
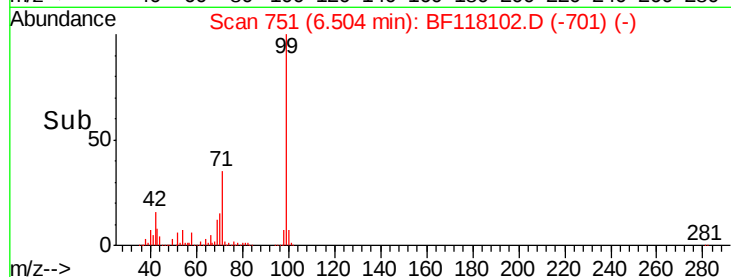
99 100

42 16.4 14.0 21.0

71 35.2 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: 2.598 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118102.D

Acq: 4 Dec 2019 22:38

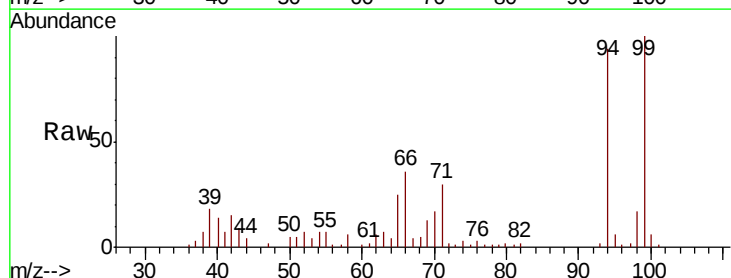
Tgt Ion: 94 Resp: 29597

Ion Ratio Lower Upper

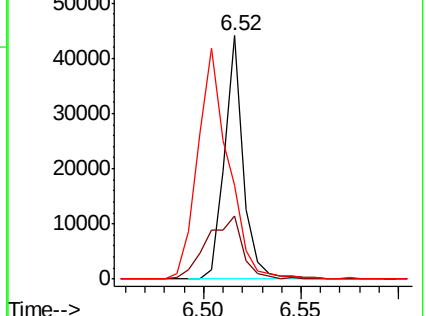
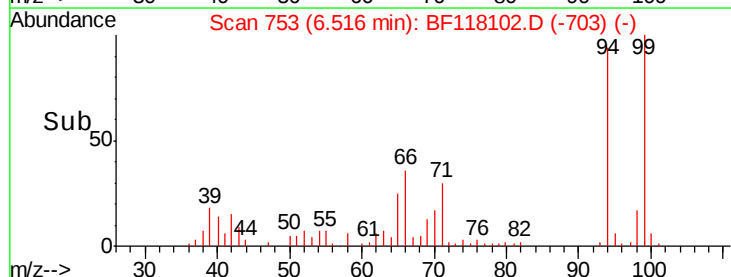
94 100

65 26.1 6.9 46.9

66 38.7 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

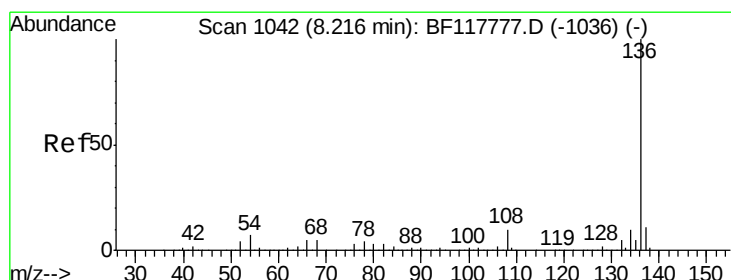
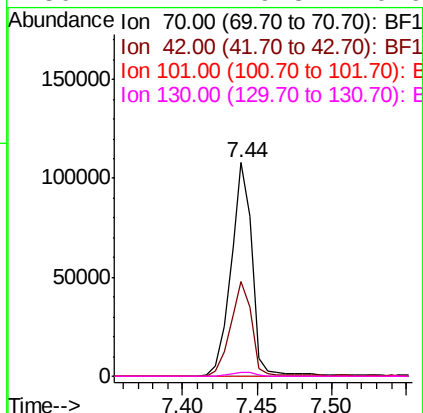
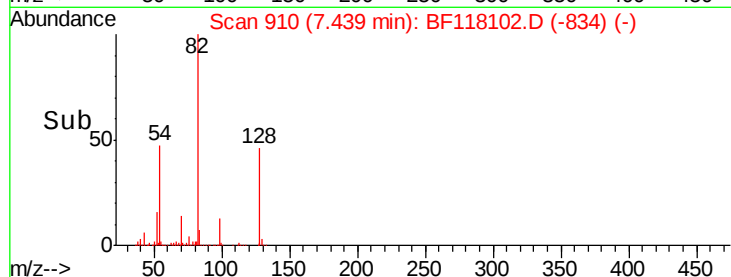
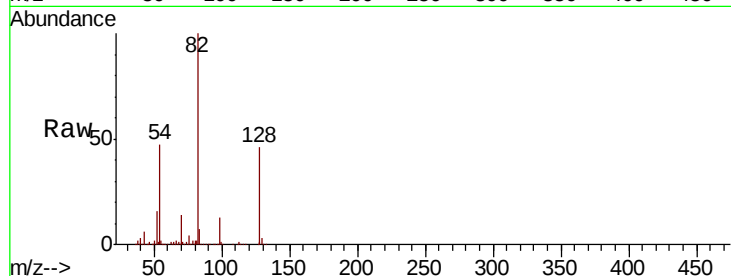




#19
n-Nitroso-di-n-propylamine
Concen: 15.931 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF118102.D
Acq: 4 Dec 2019 22:38

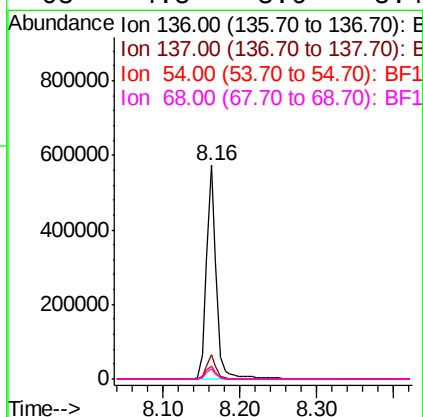
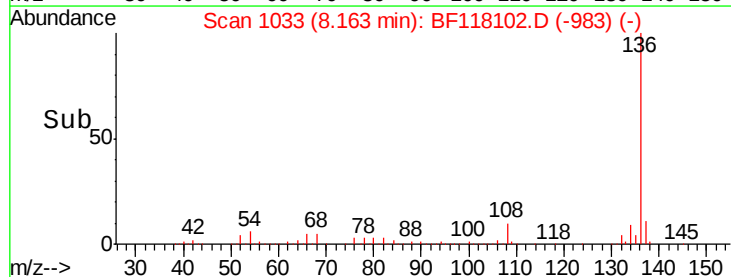
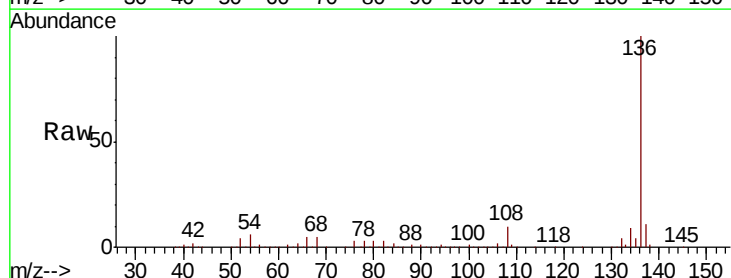
Instrument :
BNA_F
ClientSampleId :

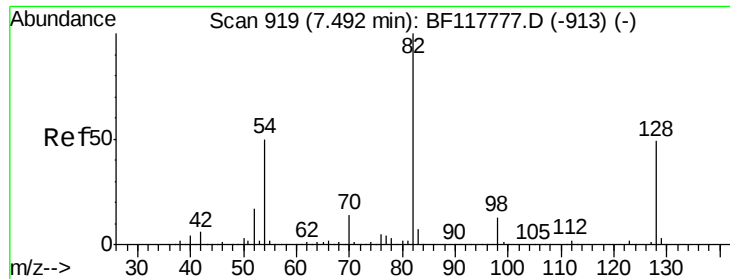
Tot Ion: 70 Resp: 107749
Ion Ratio Lower Upper
70 100
42 44.5 46.0 69.0#
101 0.0 8.8 13.2#
130 2.1 19.8 29.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118102.D
Acq: 4 Dec 2019 22:38

Tgt Ion: 136 Resp: 511413
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 6.1 4.9 7.3
68 4.5 3.6 5.4

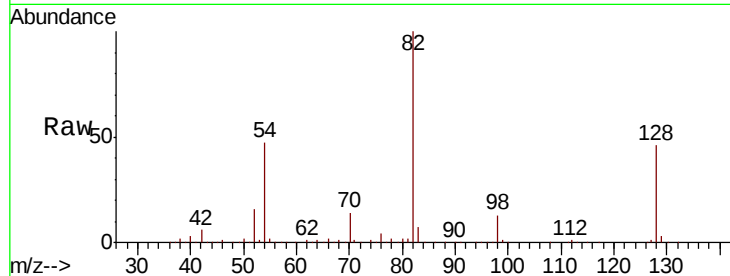




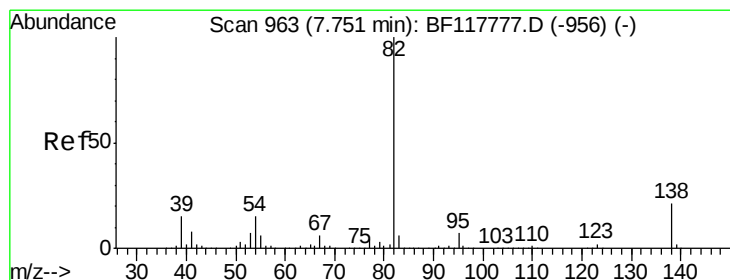
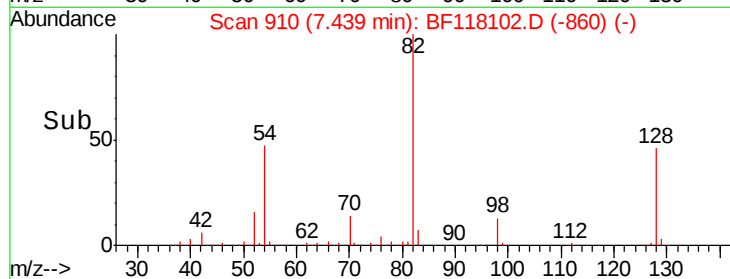
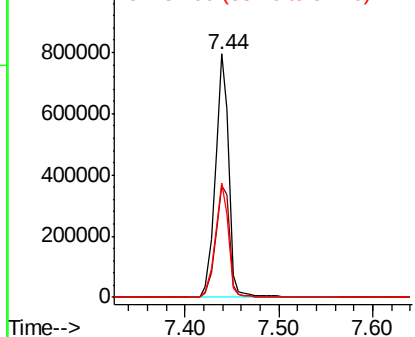
#23
 Nitrobenzene-d5
 Concen: 93.353 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF118102.D
 Acq: 4 Dec 2019 22:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 803113
 Ion Ratio Lower Upper
 82 100
 128 45.8 38.2 57.4
 54 47.0 39.0 58.4

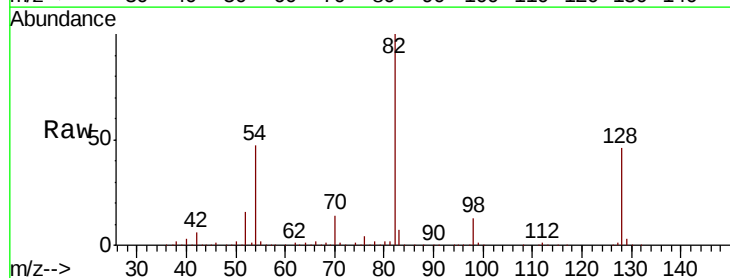


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

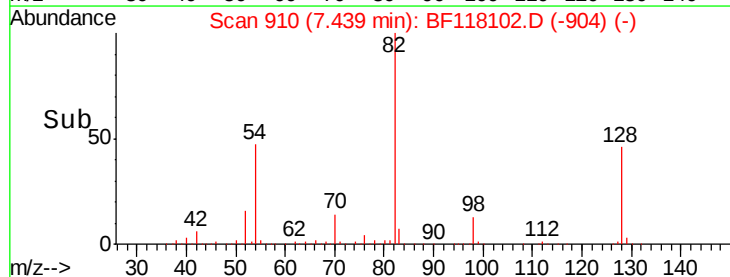
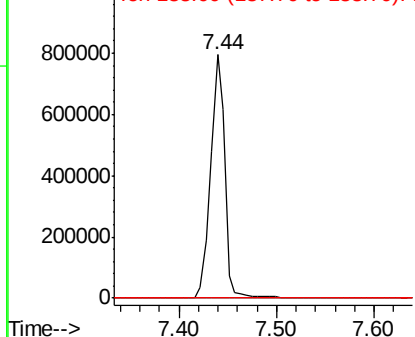


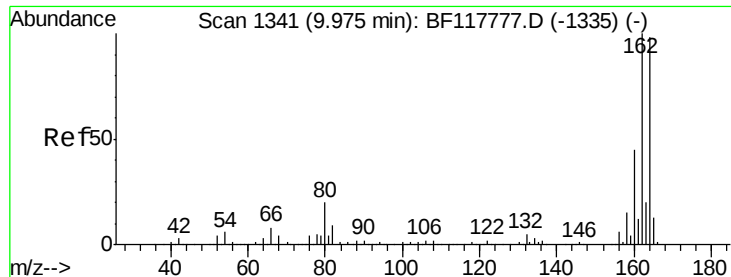
#25
 Isophorone
 Concen: 50.933 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.26 min
 Lab File: BF118102.D
 Acq: 4 Dec 2019 22:38

Tgt Ion: 82 Resp: 803107
 Ion Ratio Lower Upper
 82 100
 95 0.0 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

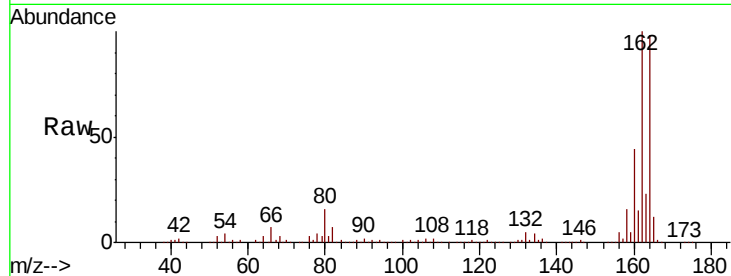




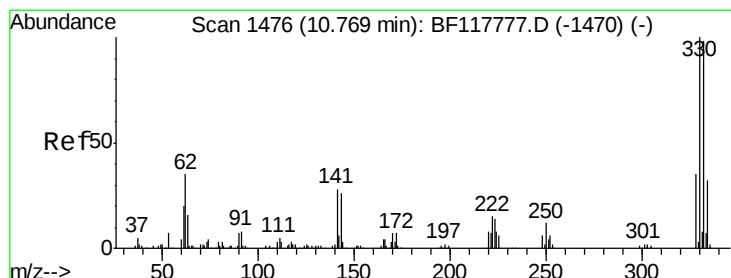
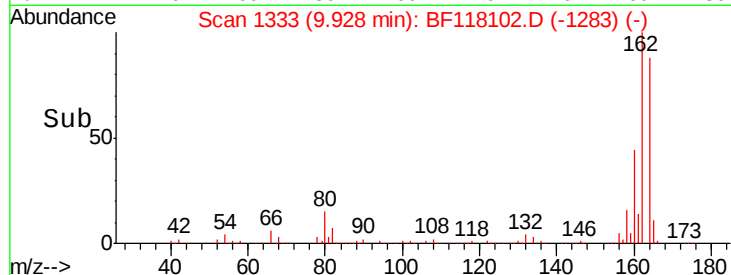
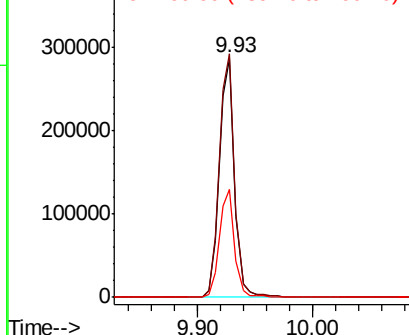
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF118102.D
 Acq: 4 Dec 2019 22:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.8	122.8
160	45.2	35.9	53.9

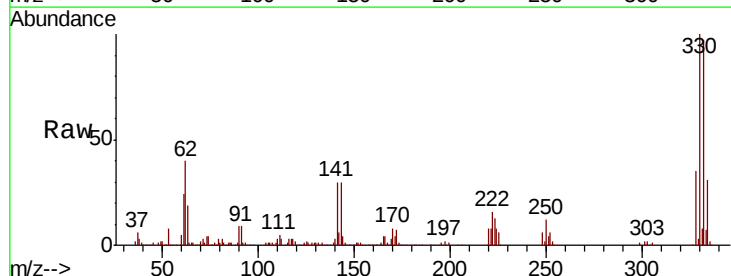


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

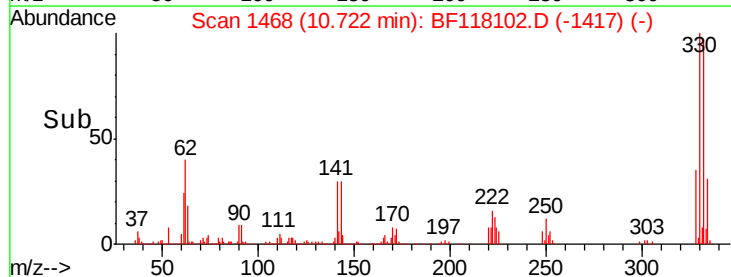
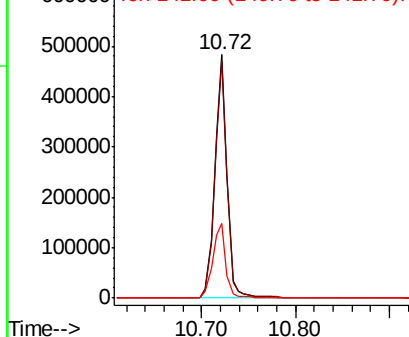


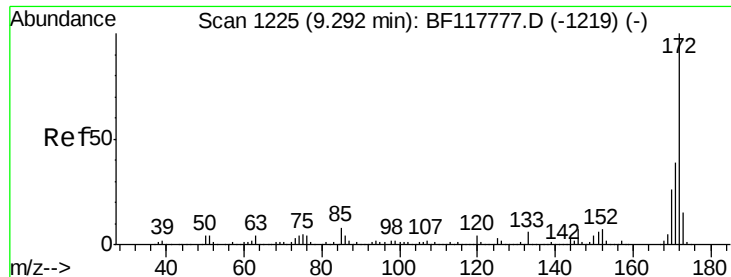
#42
 2,4,6-Tribromophenol
 Concen: 162.649 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF118102.D
 Acq: 4 Dec 2019 22:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.3	117.5
141	32.5	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

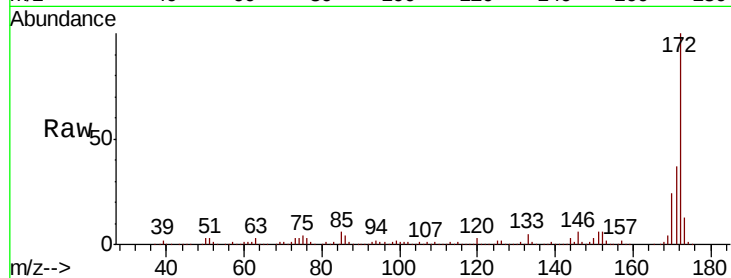




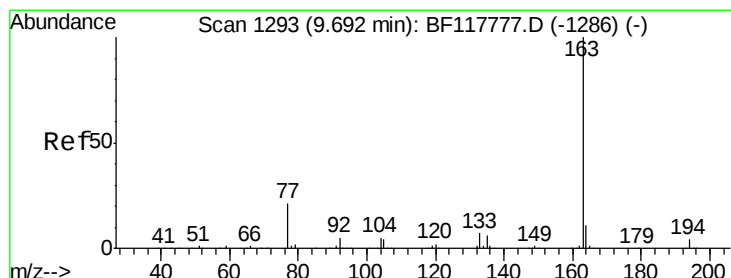
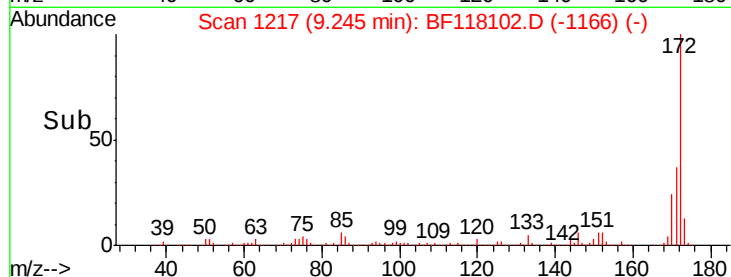
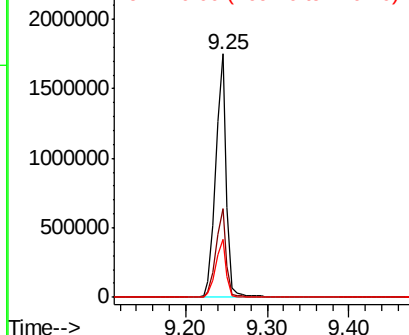
#45
2-Fluorobiphenyl
Concen: 109.501 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.00 min
Lab File: BF118102.D
Acq: 4 Dec 2019 22:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1592777
Ion Ratio Lower Upper
172 100
171 36.5 29.2 43.8
170 24.0 19.3 28.9

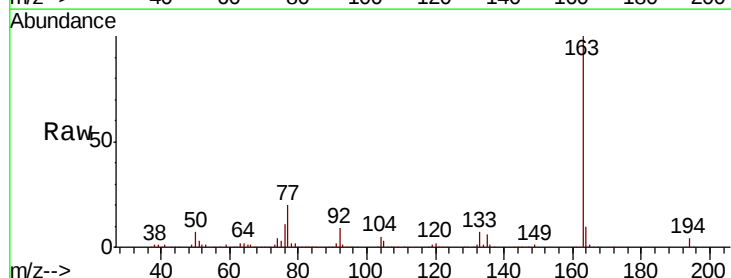


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

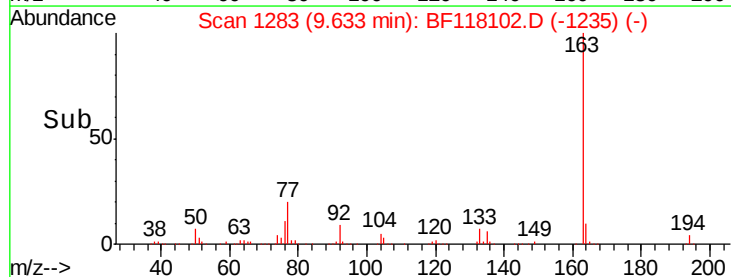
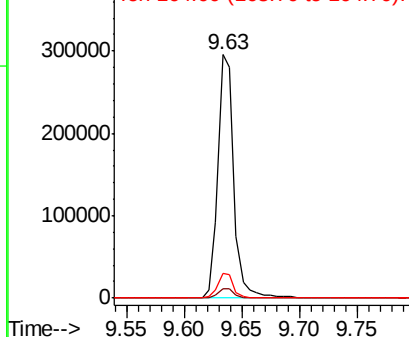


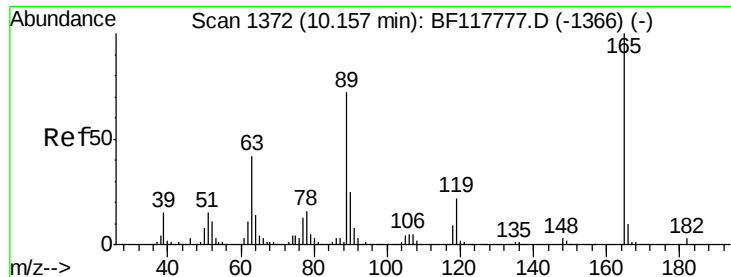
#50
Dimethylphthalate
Concen: 15.590 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF118102.D
Acq: 4 Dec 2019 22:38

Tgt Ion:163 Resp: 285294
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 10.1 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

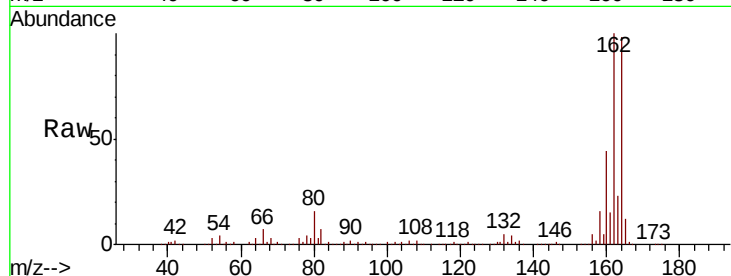




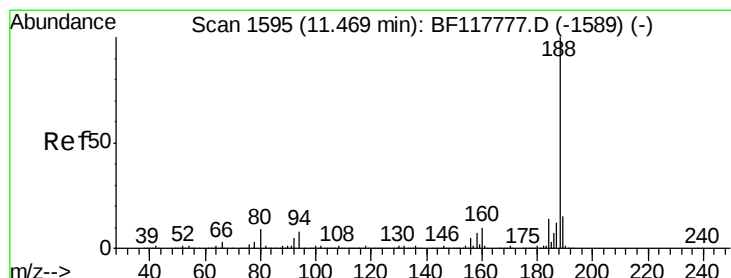
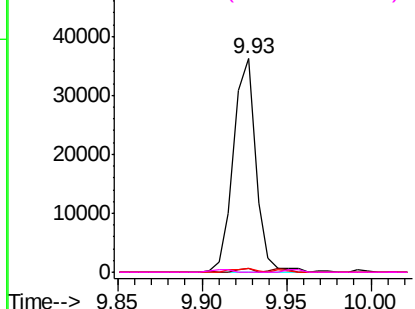
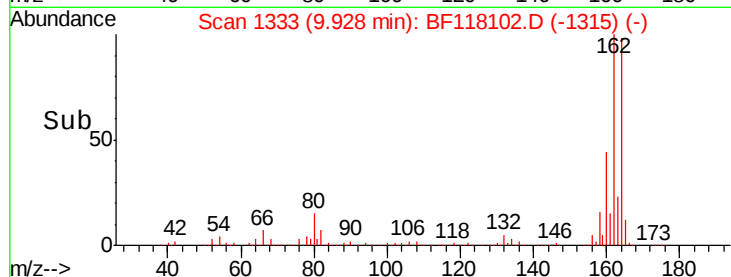
#57
2,4-Dinitrotoluene
Concen: 6.640 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.19 min
Lab File: BF118102.D
Acq: 4 Dec 2019 22:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 33779
Ion Ratio Lower Upper
165 100
63 1.6 26.5 39.7#
89 1.5 47.2 70.8#
182 0.0 2.3 3.5#

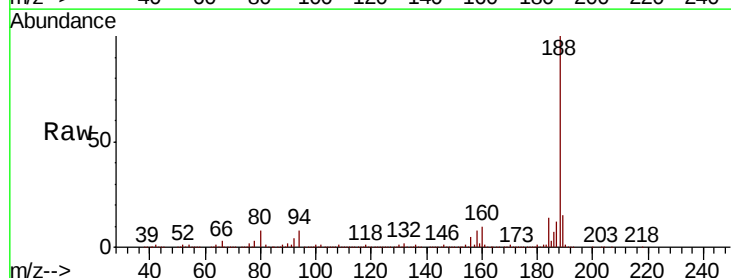


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

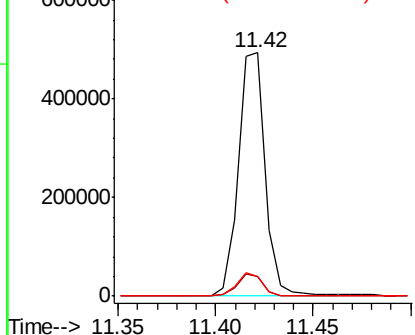
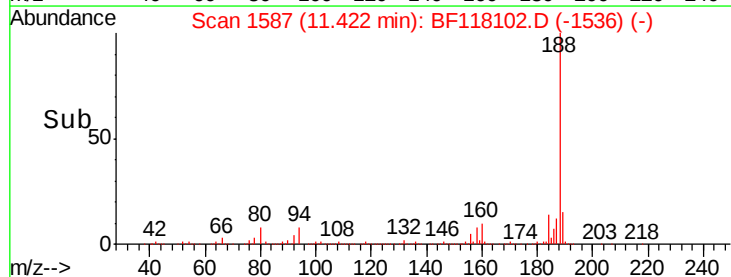


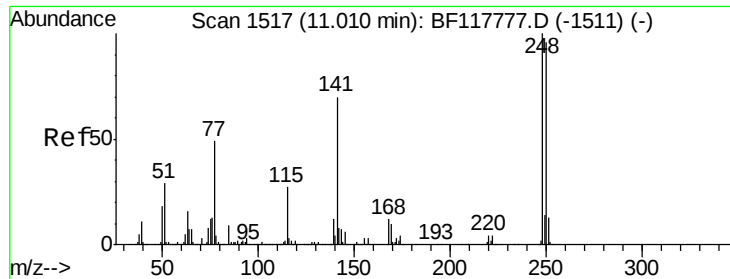
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF118102.D
Acq: 4 Dec 2019 22:38

Tgt Ion:188 Resp: 469732
Ion Ratio Lower Upper
188 100
94 8.1 7.0 10.6
80 7.8 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

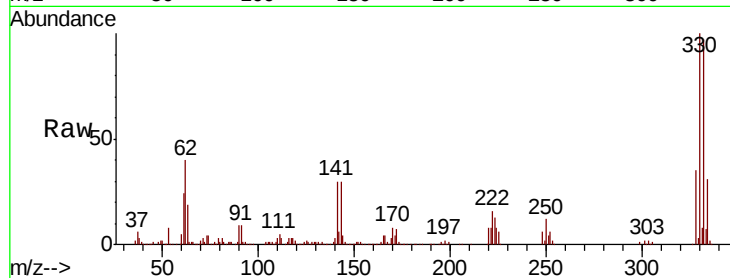




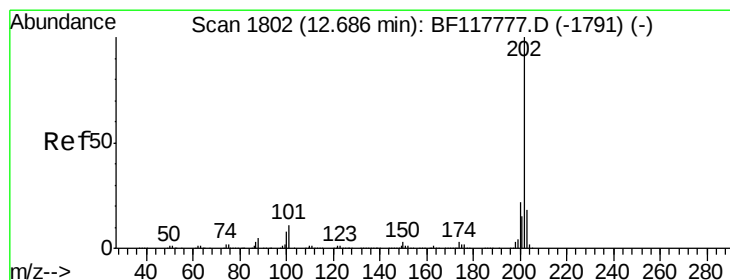
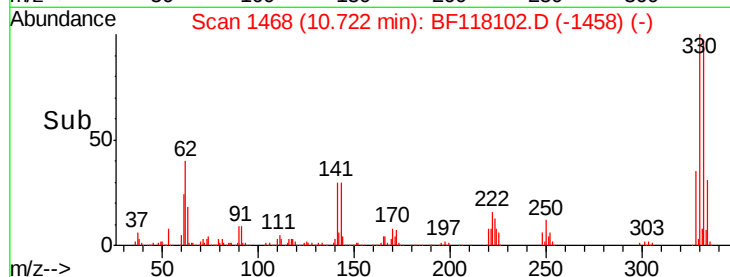
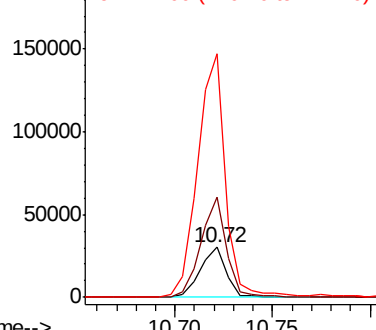
#67
4-Bromophenyl-phenylether
Concen: 5.474 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF118102.D
Acq: 4 Dec 2019 22:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 27745
Ion Ratio Lower Upper
248 100
250 199.1 78.0 117.0#
141 485.3 64.0 96.0#

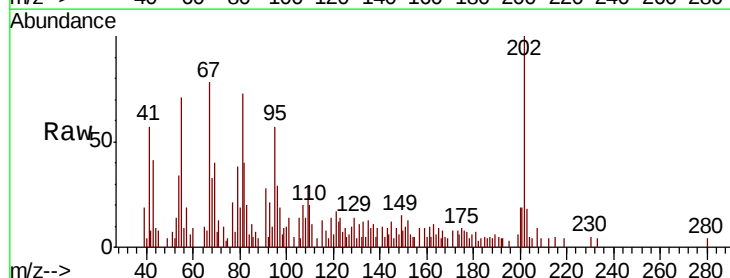


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

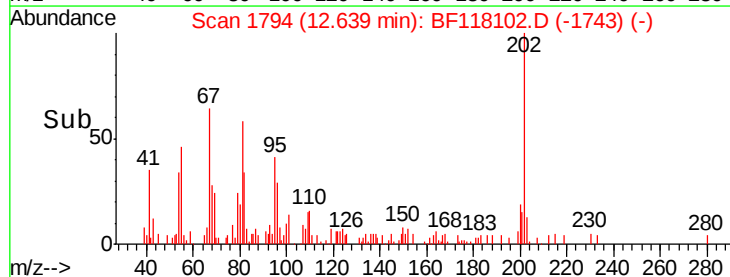
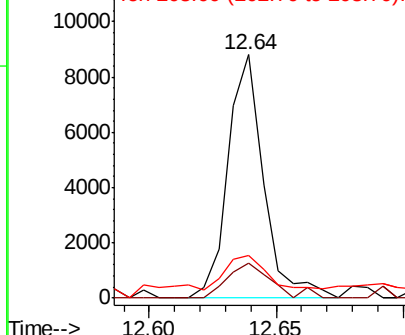


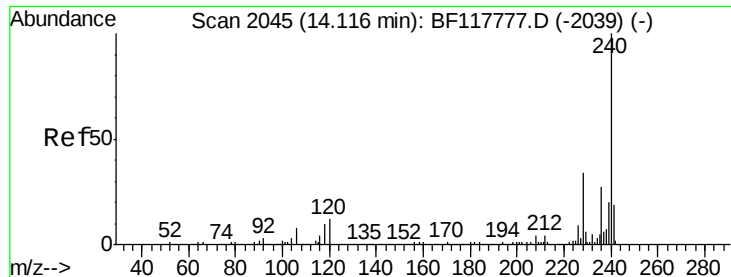
#75
Fluoranthene
Concen: Below Cal
RT: 12.64 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BF118102.D
Acq: 4 Dec 2019 22:38

Tgt Ion:202 Resp: 8602
Ion Ratio Lower Upper
202 100
101 14.4 0.0 31.5
203 17.7 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: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF118102.D

Acq: 4 Dec 2019 22:38

Instrument :

BNA_F

ClientSampleId :

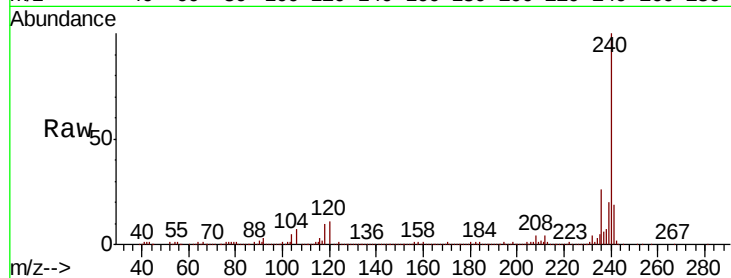
Tot Ion:240 Resp: 326575

Ion Ratio Lower Upper

240 100

120 10.6 8.4 12.6

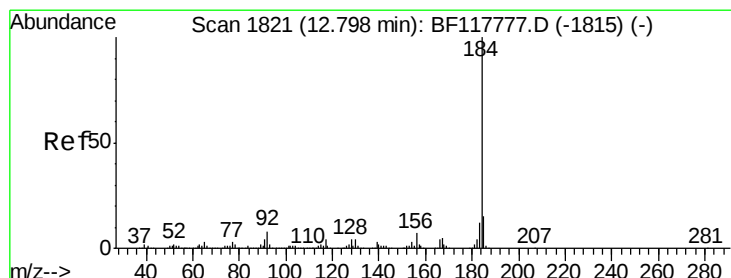
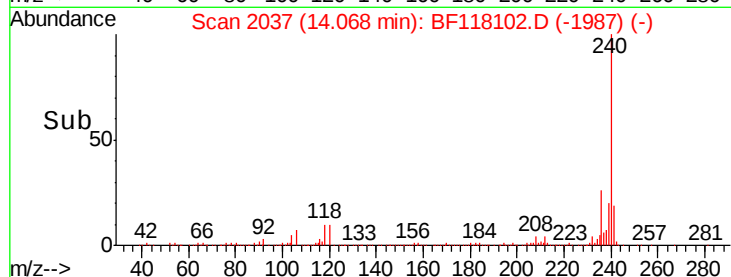
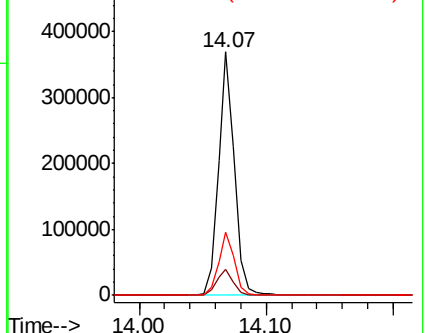
236 26.1 20.6 31.0



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



#77

Benzidine

Concen: 2.231 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.25 min

Lab File: BF118102.D

Acq: 4 Dec 2019 22:38

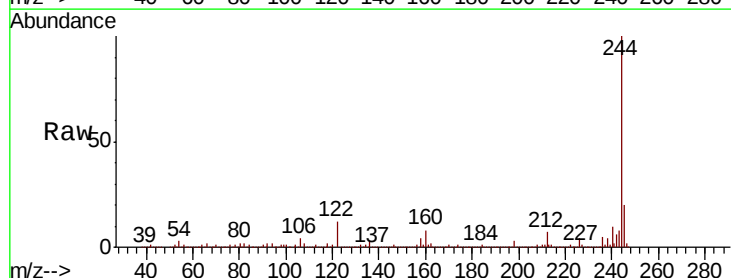
Tgt Ion:184 Resp: 23866

Ion Ratio Lower Upper

184 100

185 19.7 11.6 17.4#

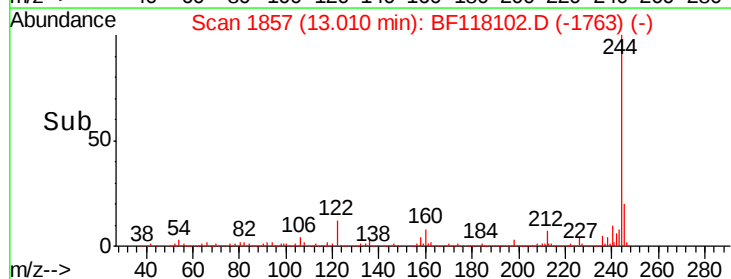
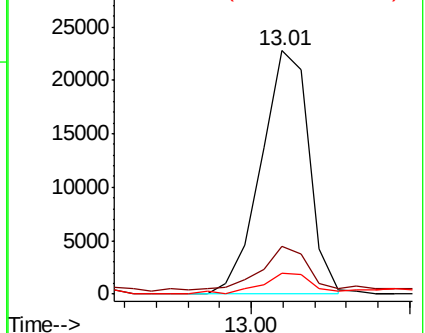
183 8.3 9.7 14.5#

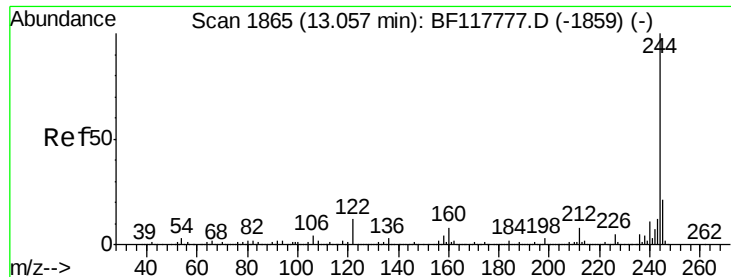


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 96.892 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.00 min

Lab File: BF118102.D

Acq: 4 Dec 2019 22:38

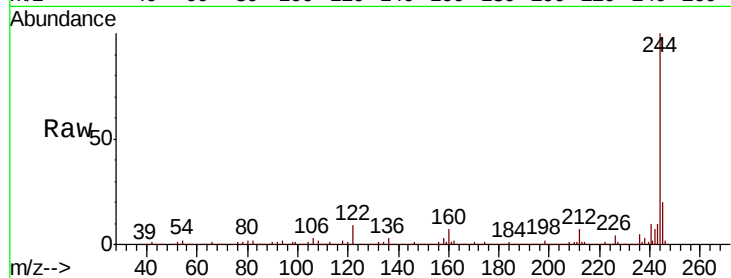
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1731367

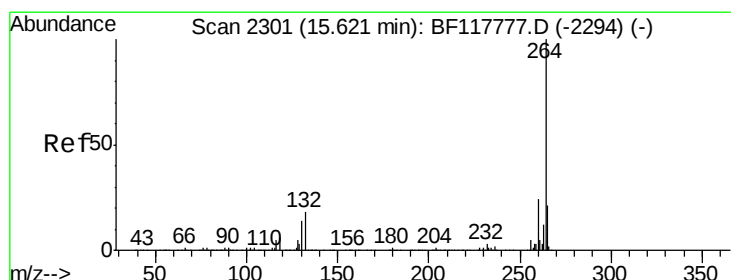
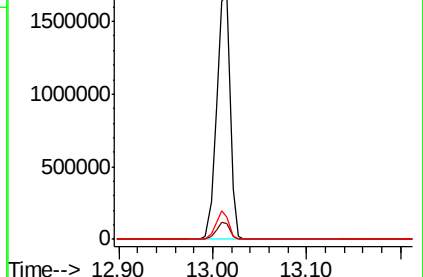
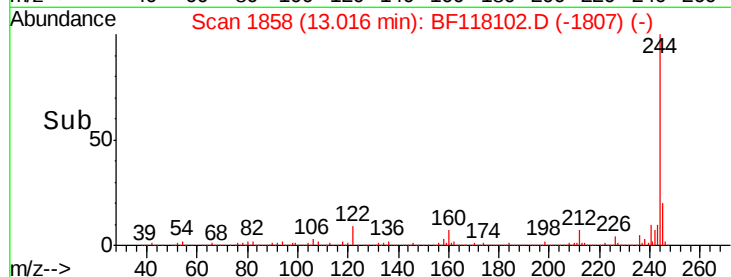
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	9.3	7.2	10.8



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: 15.57 min Scan# 2292

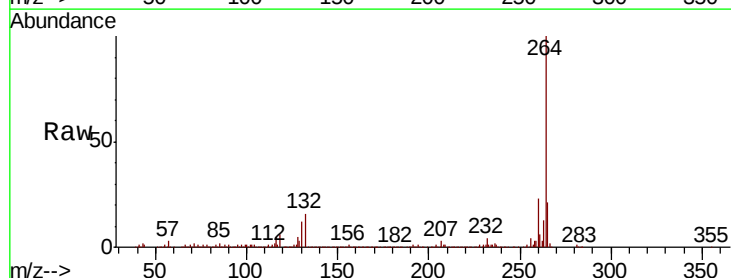
Delta R.T. -0.00 min

Lab File: BF118102.D

Acq: 4 Dec 2019 22:38

Tgt Ion:264 Resp: 405205

Ion	Ratio	Lower	Upper
264	100		
260	23.5	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

