

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
 Data File : BF118094.D
 Acq On : 4 Dec 2019 18:56
 Operator : JU
 Sample : K6024-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 00:40:02 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	203442	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	790704	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	412531	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	729018	20.00	ng	0.00
76) Chrysene-d12	14.07	240	504275	20.00	ng	0.00
87) Perylene-d12	15.57	264	430327	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1051188	91.46	ng	0.00
7) Phenol-d6	6.50	99	837548	60.42	ng	0.00
23) Nitrobenzene-d5	7.45	82	1168216	87.83	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	649903	148.81	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	2118064	92.11	ng	0.00
79) Terphenyl-d14	13.02	244	2566743	93.02	ng	0.00

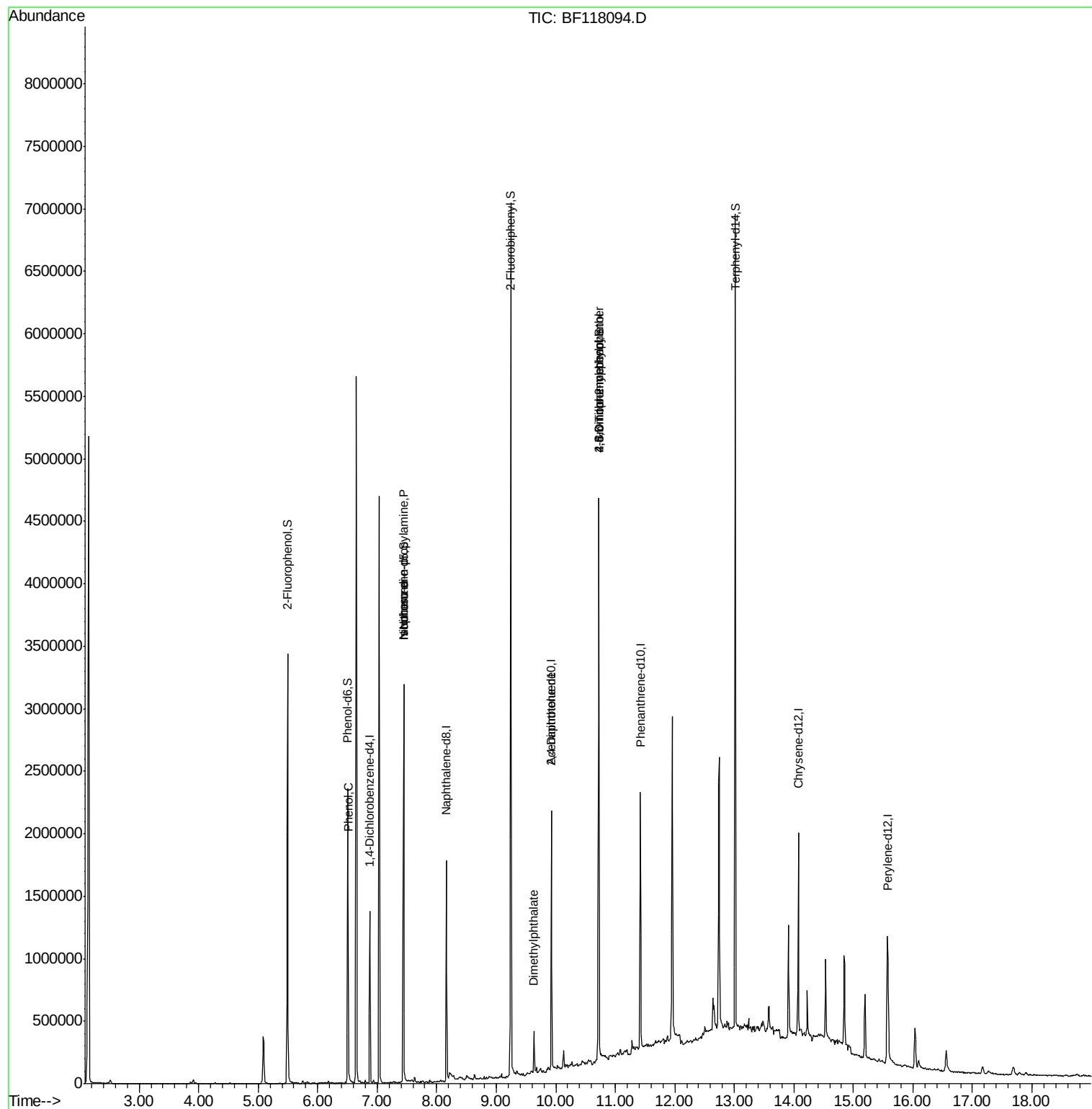
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	1579	Below Cal		# 1
10) Phenol	6.52	94	35690	2.478	ng	89
19) n-Nitroso-di-n-propylamine	7.45	70	161651	18.902	ng	# 72
25) Isophorone	7.45	82	1168202	47.918	ng	# 63
50) Dimethylphthalate	9.63	163	133839	4.627	ng	99
57) 2,4-Dinitrotoluene	9.93	165	54104	6.727	ng	# 33
65) 4,6-Dinitro-2-methylphenol	10.73	198	8242	2.422	ng	79
67) 4-Bromophenyl-phenylether	10.72	248	39707	5.048	ng	# 1
75) Fluoranthene	12.64	202	2755	Below Cal		# 1

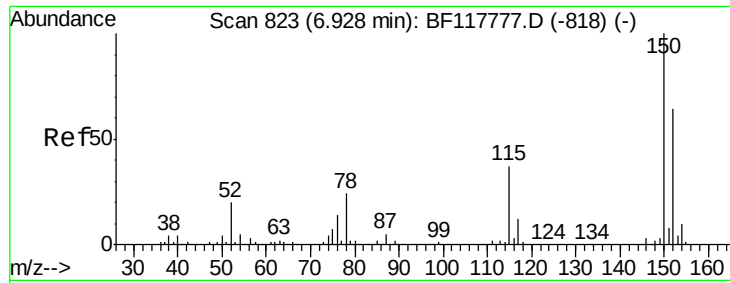
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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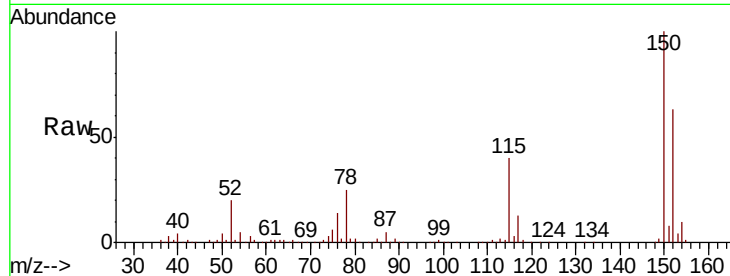


#1

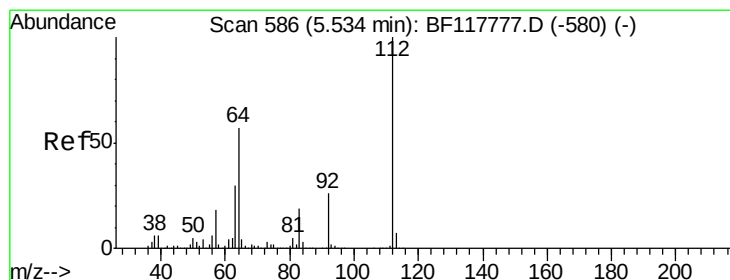
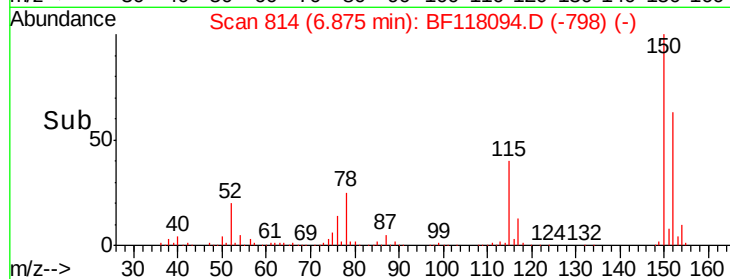
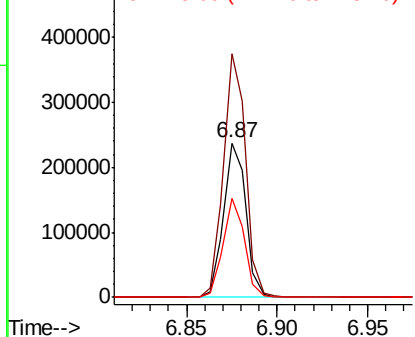
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF118094.D
 Acq: 4 Dec 2019 18:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	121.4	182.2
115	64.0	48.8	73.2



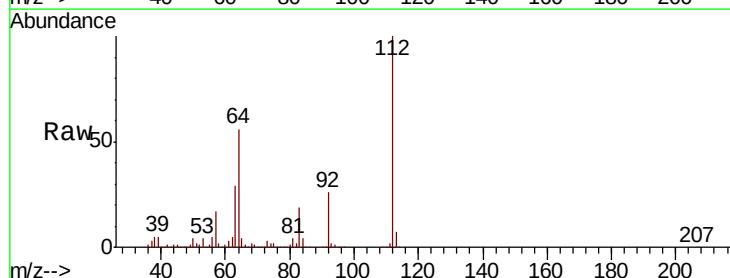
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



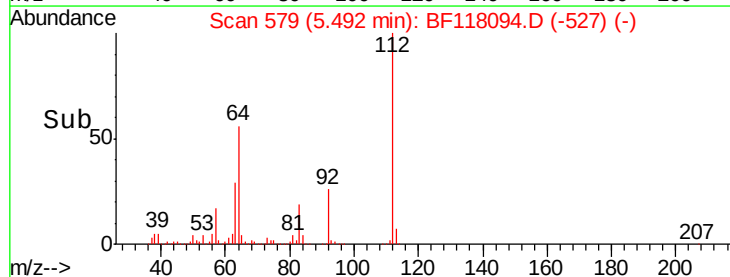
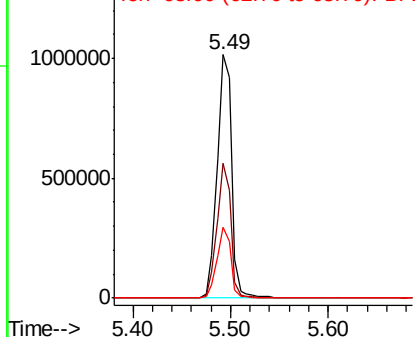
#5

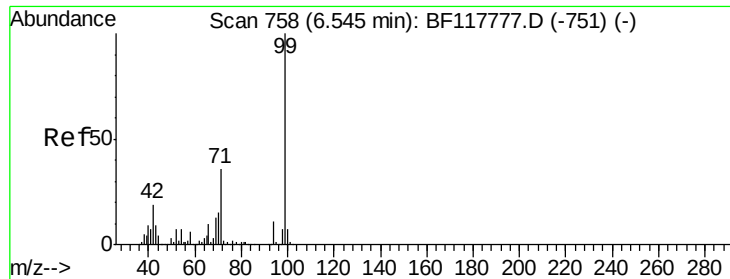
2-Fluorophenol
 Concen: 91.462 ng
 RT: 5.49 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: BF118094.D
 Acq: 4 Dec 2019 18:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	45.1	67.7
63	29.1	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: 60.418 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118094.D

Acq: 4 Dec 2019 18:56

Instrument :

BNA_F

ClientSampled :

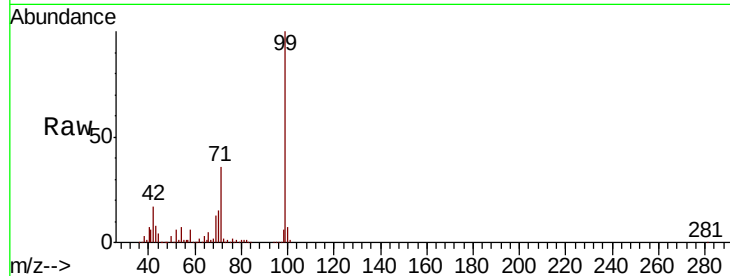
Tot Ion: 99 Resp: 837548

Ion Ratio Lower Upper

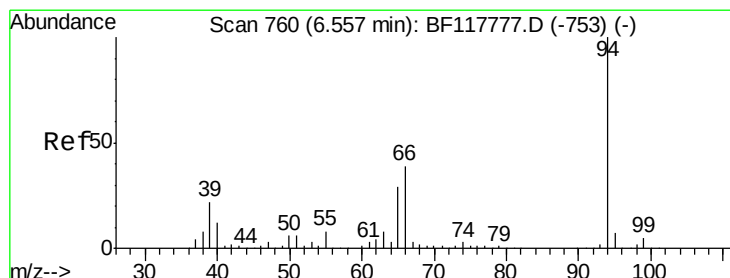
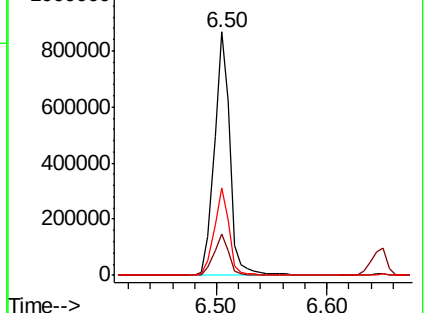
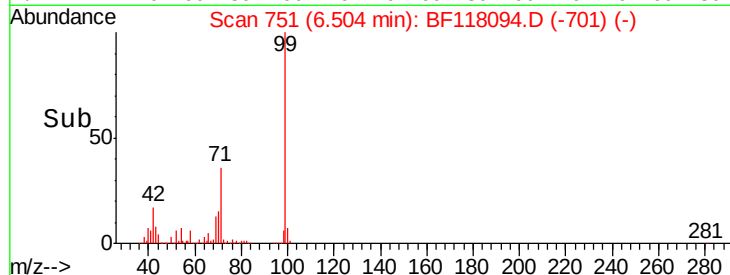
99 100

42 17.3 14.0 21.0

71 36.0 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: 2.478 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118094.D

Acq: 4 Dec 2019 18:56

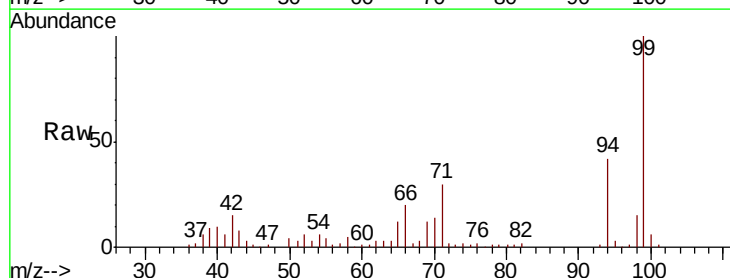
Tgt Ion: 94 Resp: 35690

Ion Ratio Lower Upper

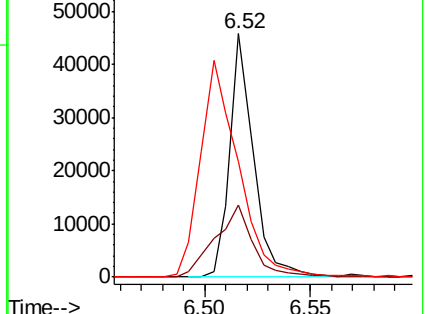
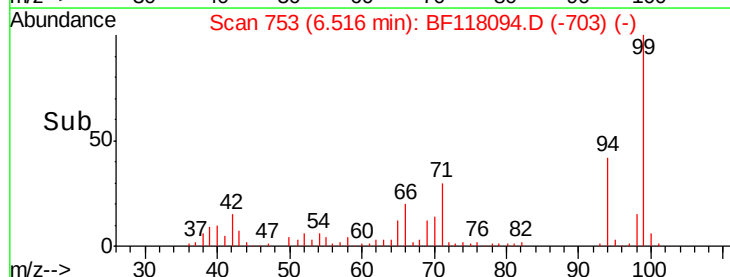
94 100

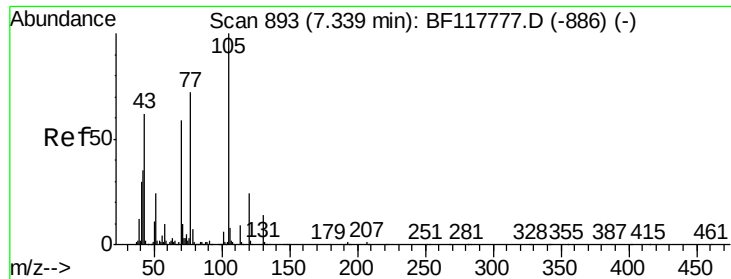
65 29.4 6.9 46.9

66 47.7 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

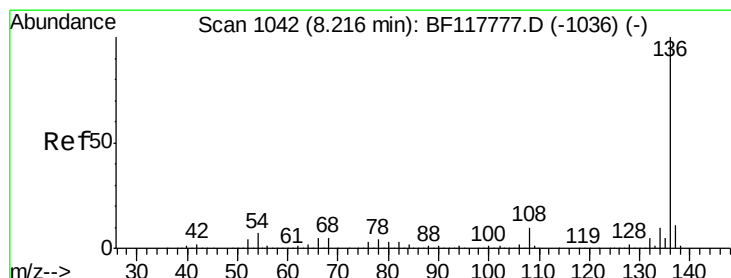
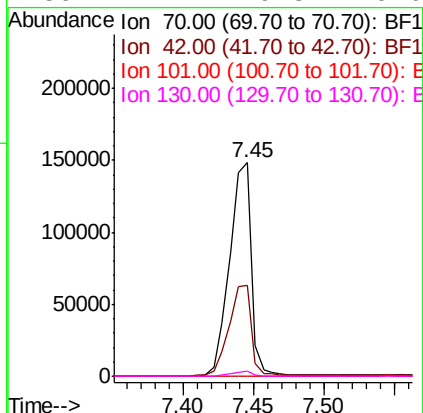
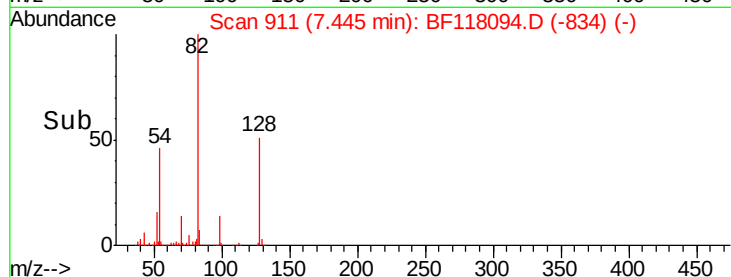
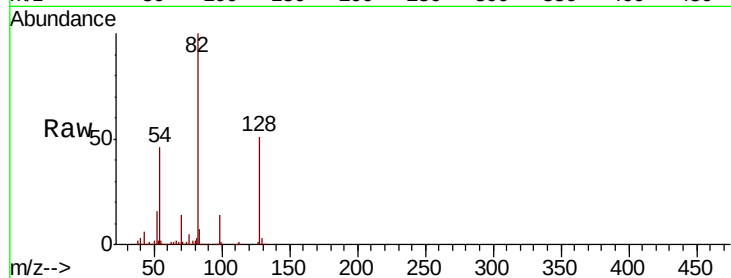




#19
n-Nitroso-di-n-propylamine
Concen: 18.902 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF118094.D
Acq: 4 Dec 2019 18:56

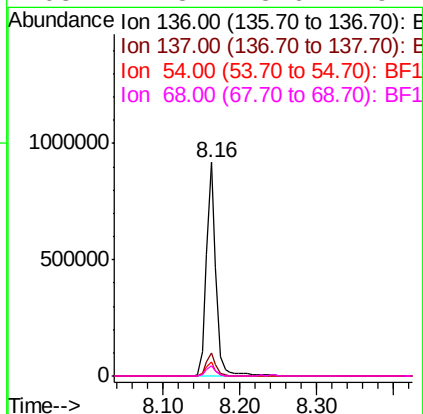
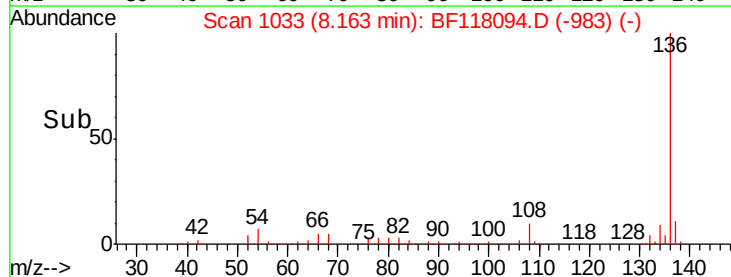
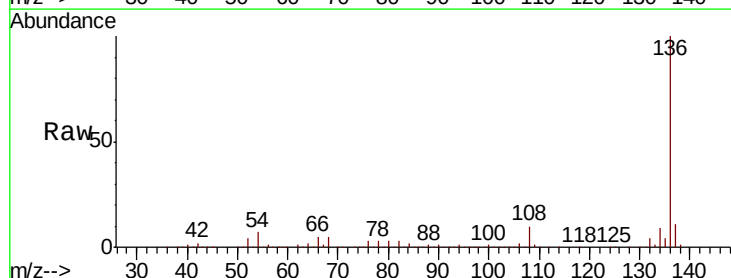
Instrument :
BNA_F
ClientSampleId :

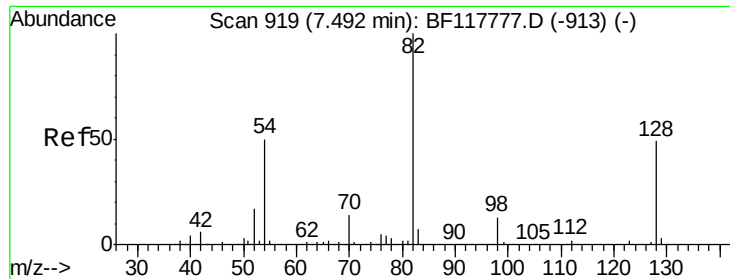
Tot Ion: 70 Resp: 161651
Ion Ratio Lower Upper
70 100
42 42.4 46.0 69.0#
101 0.0 8.8 13.2#
130 2.4 19.8 29.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118094.D
Acq: 4 Dec 2019 18:56

Tgt Ion: 136 Resp: 790704
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 6.5 4.9 7.3
68 4.8 3.6 5.4

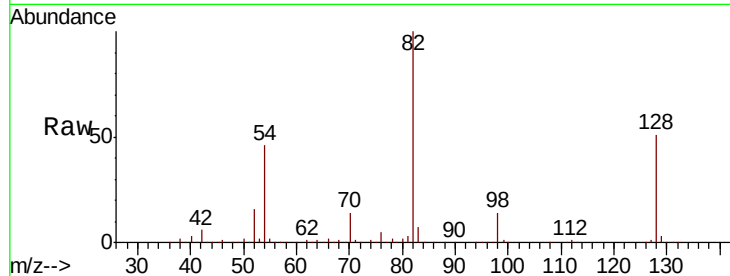




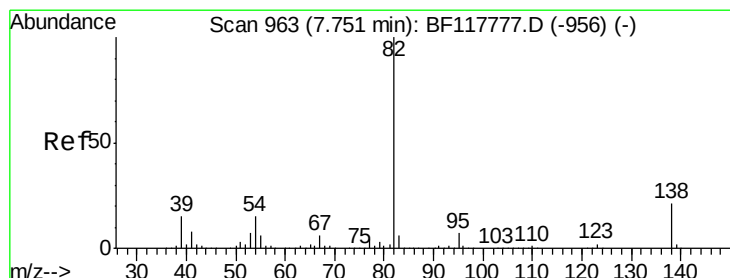
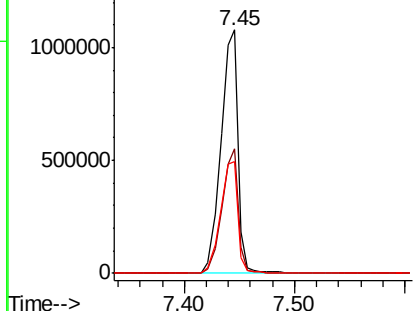
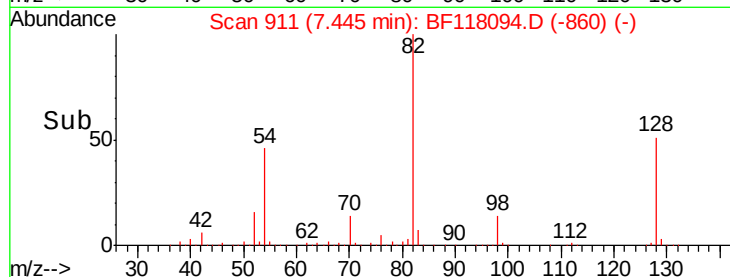
#23
Nitrobenzene-d5
Concen: 87.828 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.00 min
Lab File: BF118094.D
Acq: 4 Dec 2019 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1168216
Ion Ratio Lower Upper
82 100
128 51.2 38.2 57.4
54 45.9 39.0 58.4

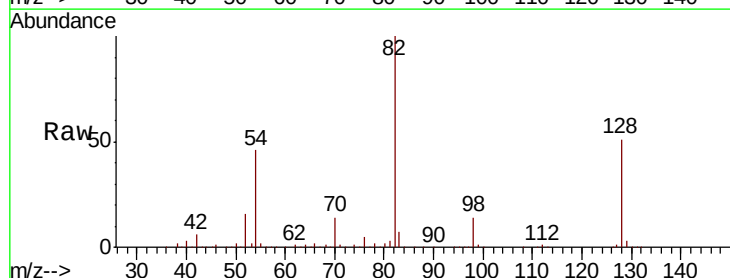


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

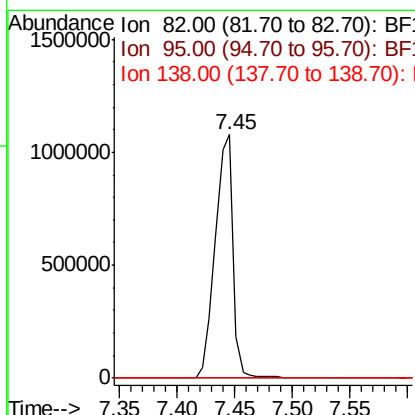
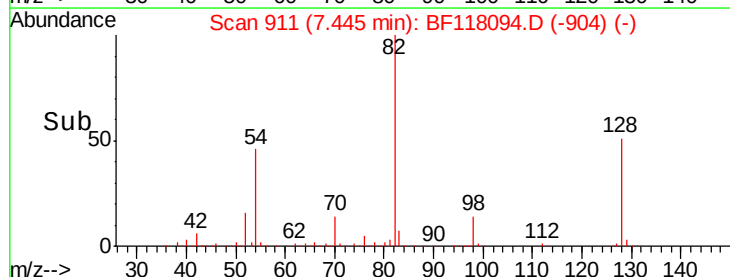


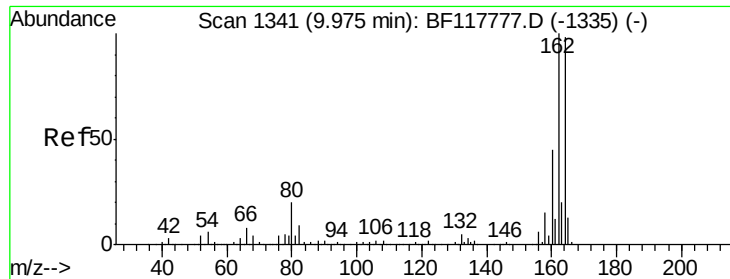
#25
Isophorone
Concen: 47.918 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF118094.D
Acq: 4 Dec 2019 18:56

Tgt Ion: 82 Resp: 1168202
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

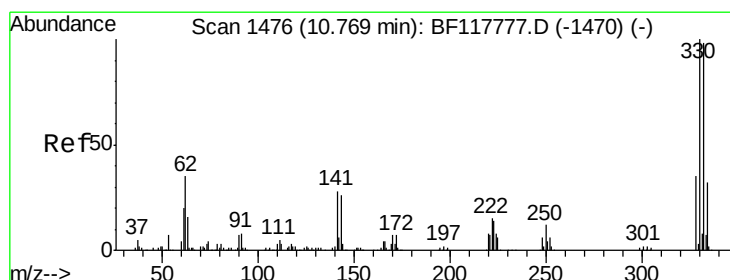
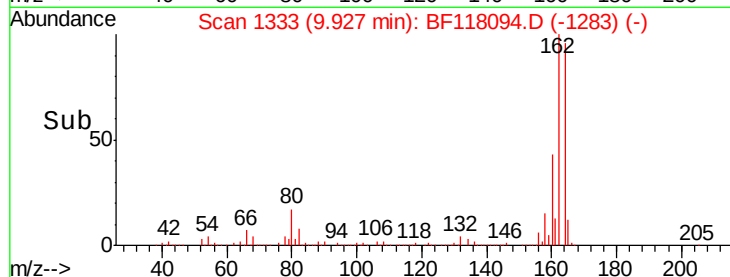
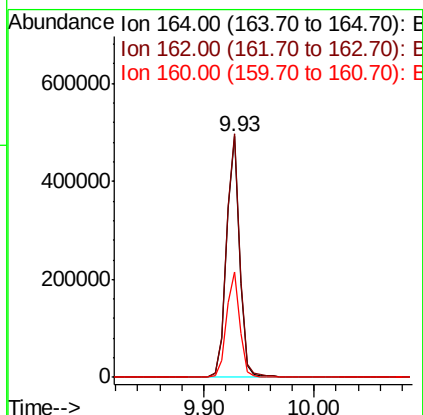
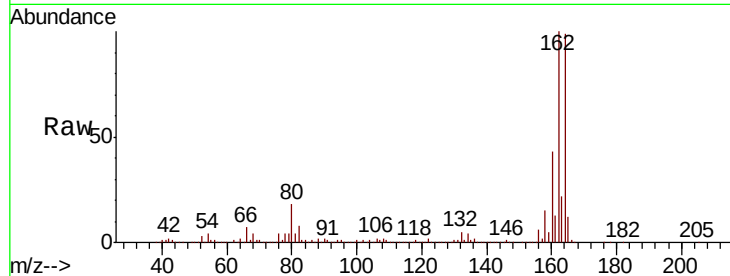




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF118094.D
 Acq: 4 Dec 2019 18:56

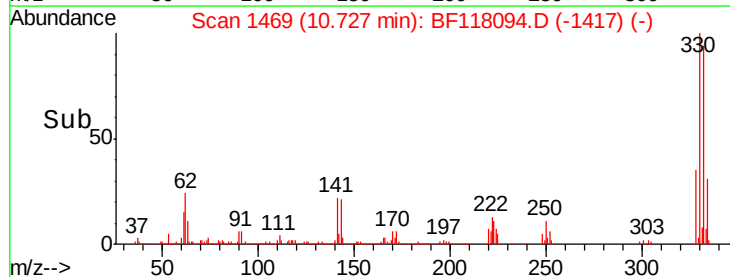
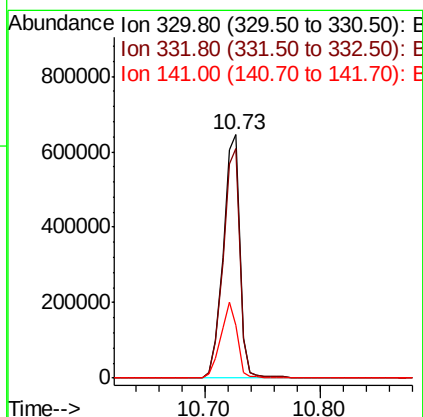
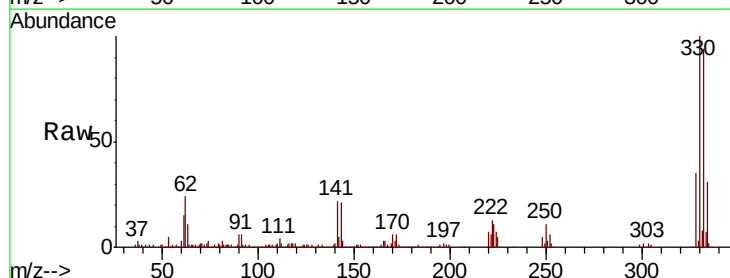
Instrument :
 BNA_F
 ClientSampleId :

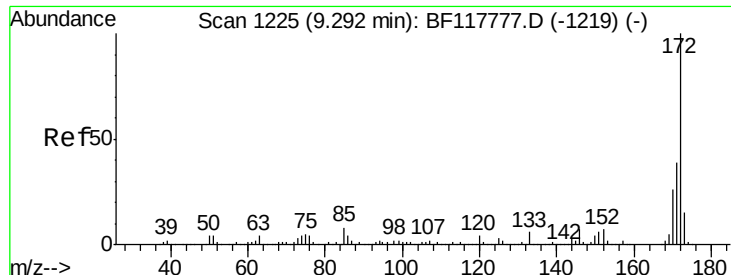
Tot Ion:164 Resp: 412531
 Ion Ratio Lower Upper
 164 100
 162 101.1 81.8 122.8
 160 43.8 35.9 53.9



#42
 2,4,6-Tribromophenol
 Concen: 148.807 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.01 min
 Lab File: BF118094.D
 Acq: 4 Dec 2019 18:56

Tgt Ion:330 Resp: 649903
 Ion Ratio Lower Upper
 330 100
 332 95.1 78.3 117.5
 141 30.7 26.4 39.6

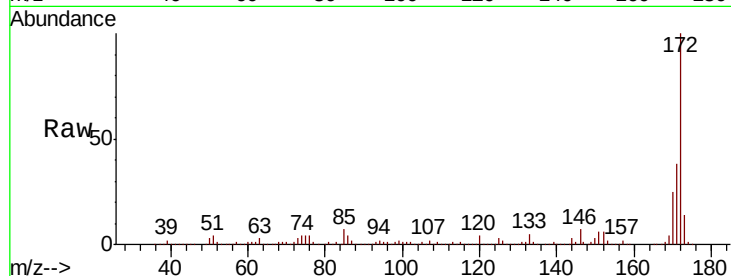




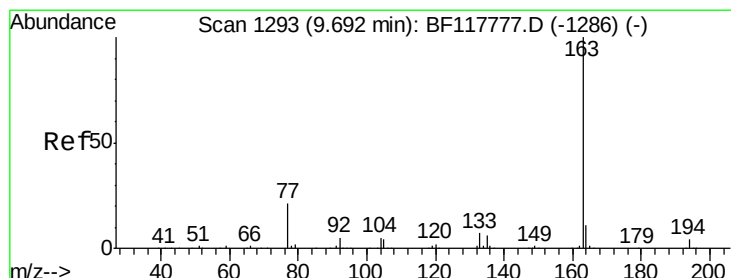
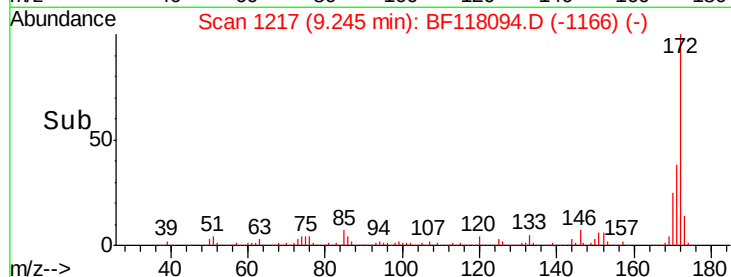
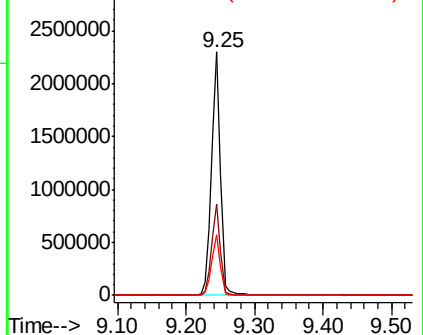
#45
2-Fluorobiphenyl
Concen: 92.111 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.00 min
Lab File: BF118094.D
Acq: 4 Dec 2019 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2118064
Ion Ratio Lower Upper
172 100
171 37.5 29.2 43.8
170 24.9 19.3 28.9

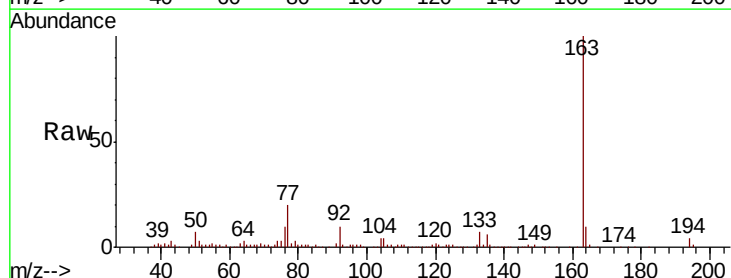


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

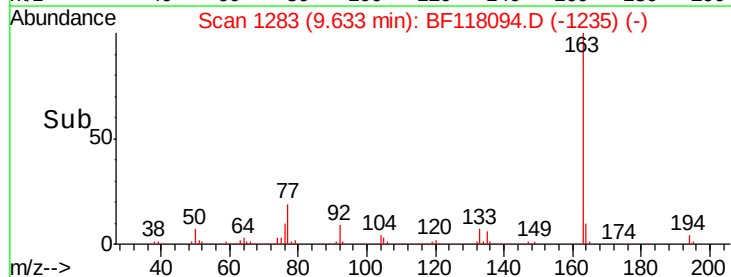
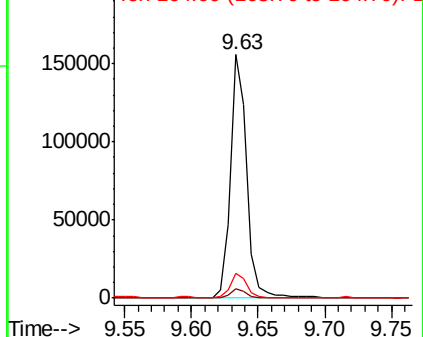


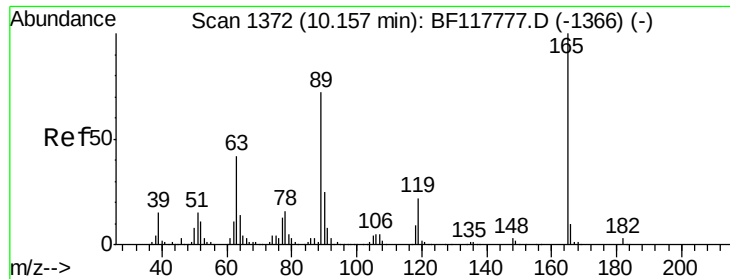
#50
Dimethylphthalate
Concen: 4.627 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF118094.D
Acq: 4 Dec 2019 18:56

Tgt Ion:163 Resp: 133839
Ion Ratio Lower Upper
163 100
194 3.6 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





#57

2,4-Dinitrotoluene

Concen: 6.727 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.19 min

Lab File: BF118094.D

Acq: 4 Dec 2019 18:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 54104

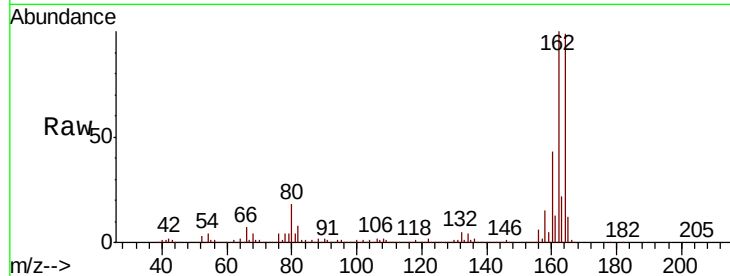
Ion Ratio Lower Upper

165 100

63 1.8 26.5 39.7#

89 2.0 47.2 70.8#

182 0.8 2.3 3.5#

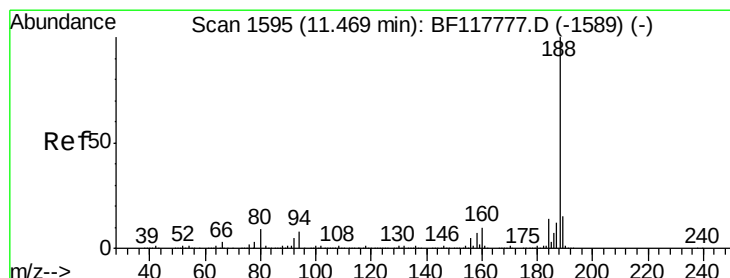
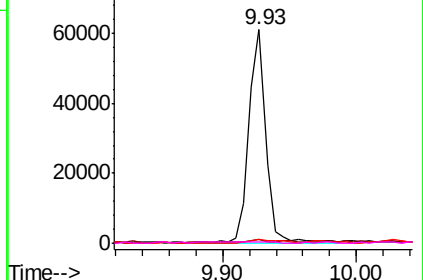
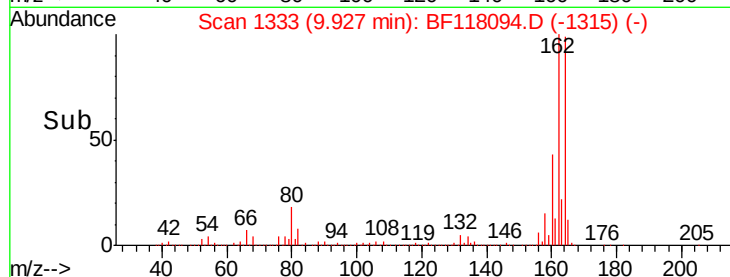


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF118094.D

Acq: 4 Dec 2019 18:56

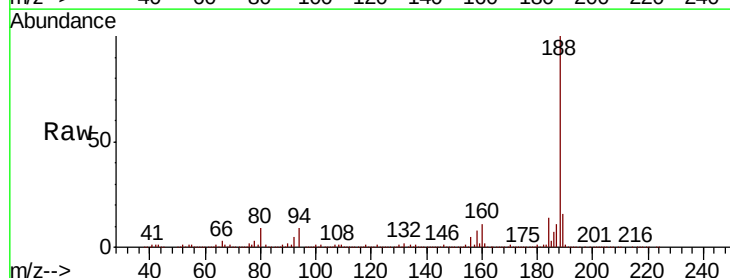
Tgt Ion:188 Resp: 729018

Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.6

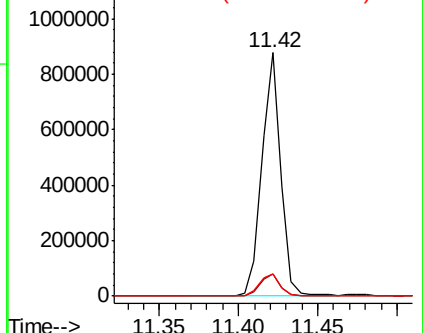
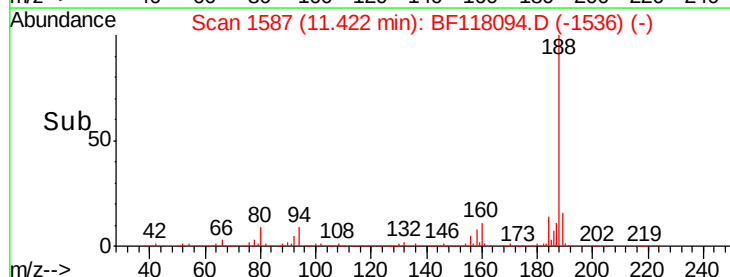
80 8.9 7.2 10.8

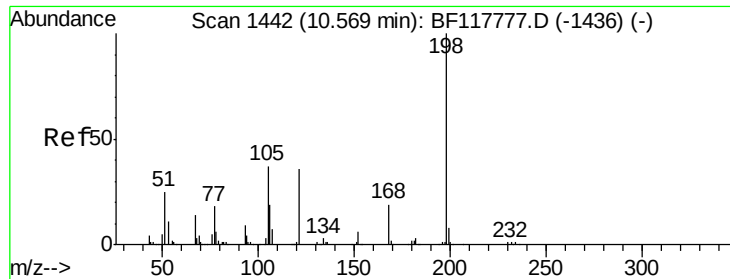


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

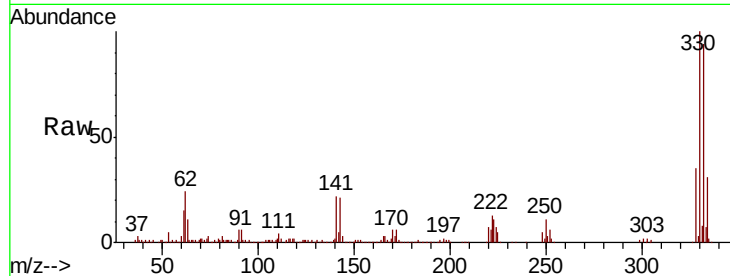




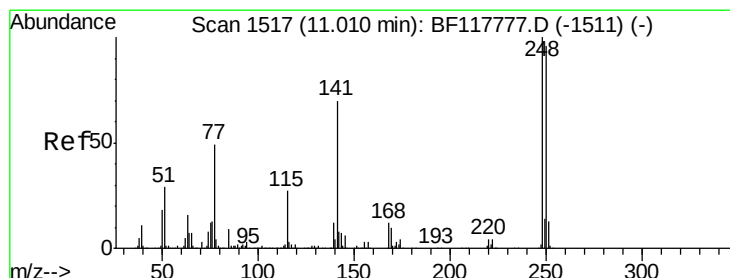
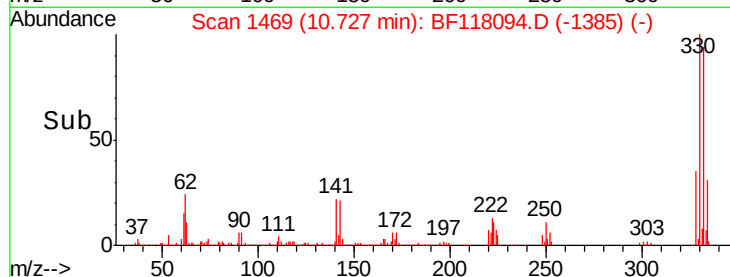
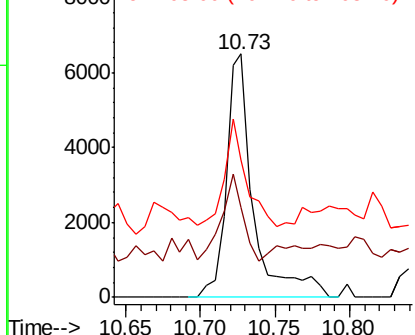
#65
 4,6-Dinitro-2-methylphenol
 Concen: 2.422 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.19 min
 Lab File: BF118094.D
 Acq: 4 Dec 2019 18:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 8242
 Ion Ratio Lower Upper
 198 100
 51 37.1 12.6 52.6
 105 56.3 17.0 57.0

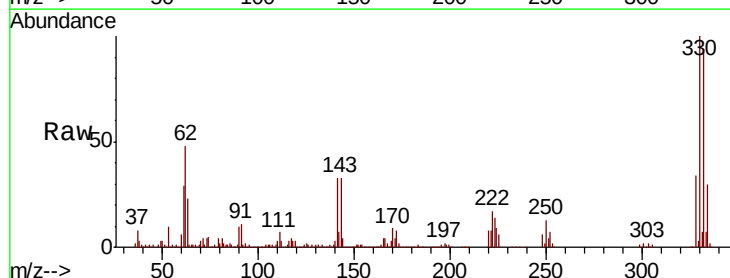


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

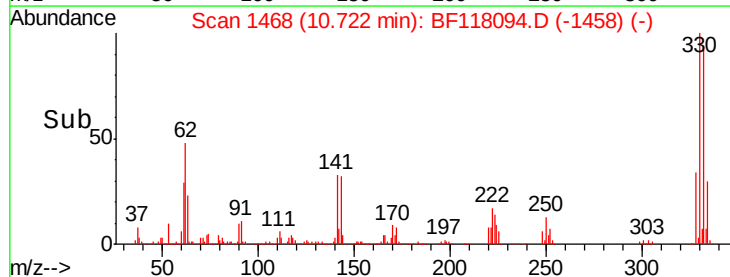
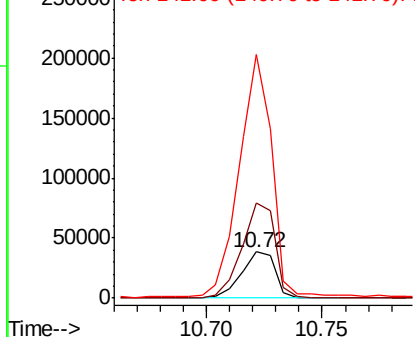


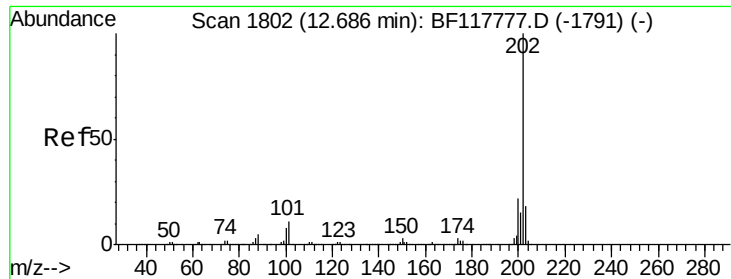
#67
 4-Bromophenyl-phenylether
 Concen: 5.048 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.24 min
 Lab File: BF118094.D
 Acq: 4 Dec 2019 18:56

Tgt Ion:248 Resp: 39707
 Ion Ratio Lower Upper
 248 100
 250 204.5 78.0 117.0#
 141 524.9 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





#75

Fluoranthene

Concen: Below Cal

RT: 12.64 min Scan# 1794

Delta R.T. -0.00 min

Lab File: BF118094.D

Acq: 4 Dec 2019 18:56

Instrument :

BNA_F

ClientSampled :

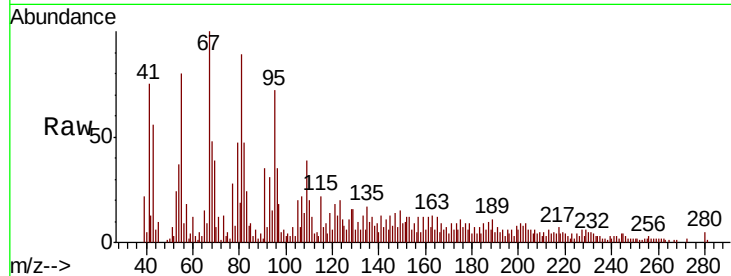
Tot Ion:202 Resp: 2755

Ion Ratio Lower Upper

202 100

101 47.8 0.0 31.5#

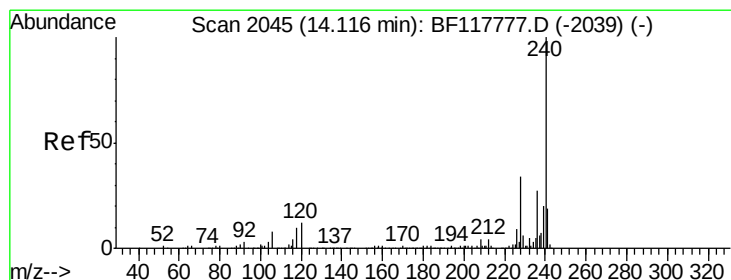
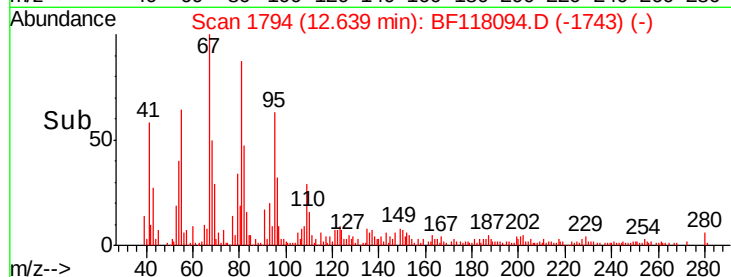
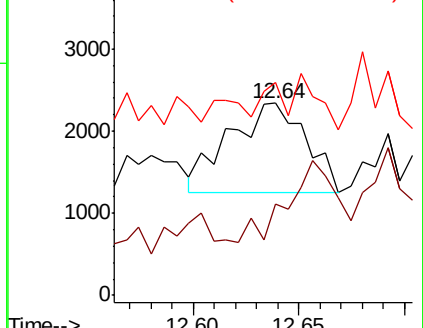
203 110.9 0.0 37.6#



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# 2038

Delta R.T. -0.00 min

Lab File: BF118094.D

Acq: 4 Dec 2019 18:56

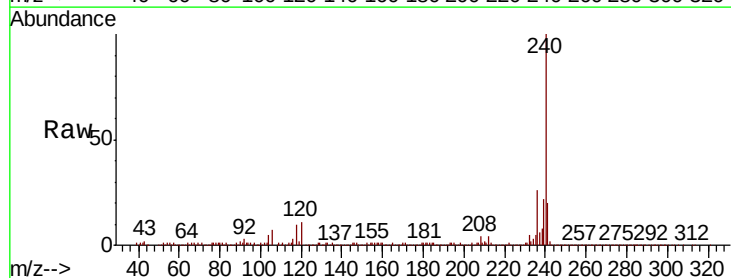
Tgt Ion:240 Resp: 504275

Ion Ratio Lower Upper

240 100

120 11.0 8.4 12.6

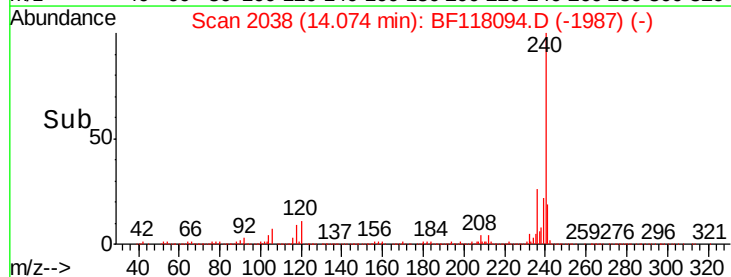
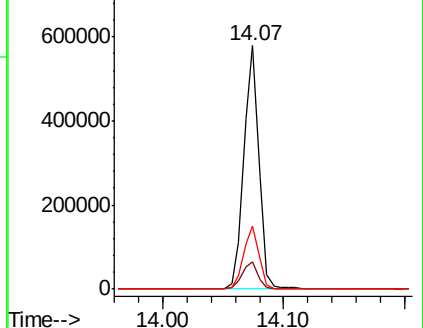
236 26.1 20.6 31.0

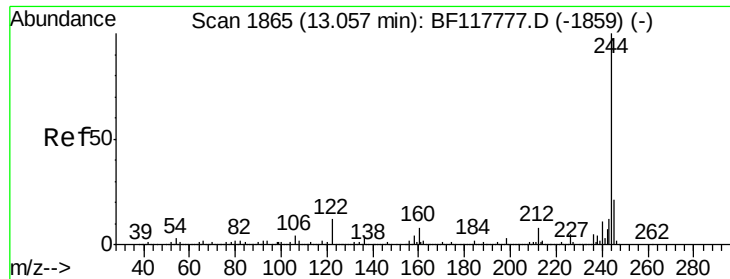


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 93.025 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.00 min

Lab File: BF118094.D

Acq: 4 Dec 2019 18:56

Instrument :

BNA_F

ClientSampleId :

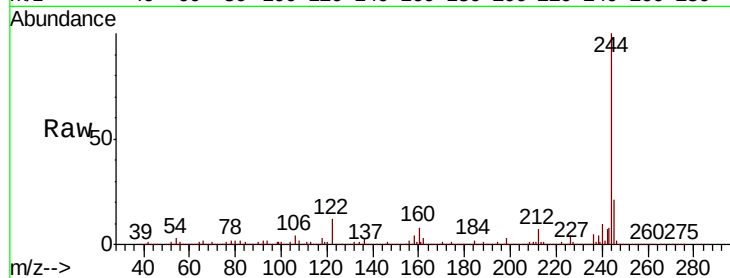
Tot Ion:244 Resp: 2566743

Ion Ratio Lower Upper

244 100

212 7.5 5.2 7.8

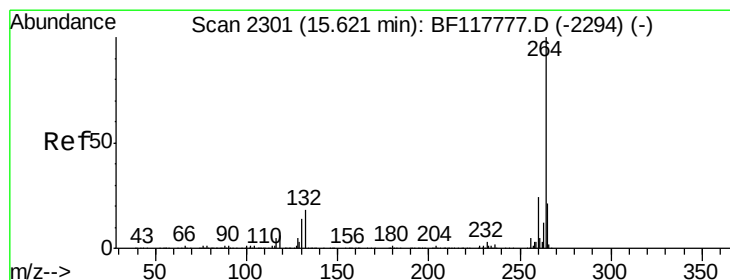
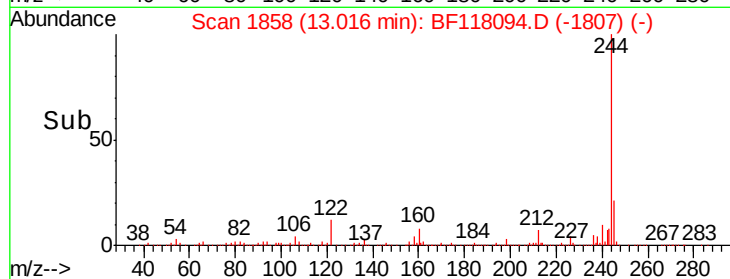
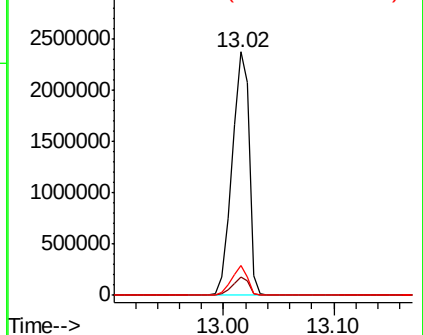
122 12.2 7.2 10.8#



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# 2293

Delta R.T. 0.01 min

Lab File: BF118094.D

Acq: 4 Dec 2019 18:56

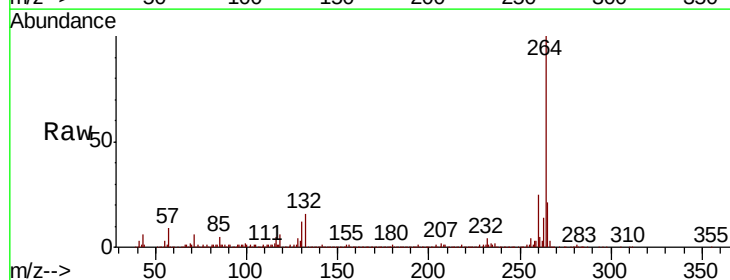
Tgt Ion:264 Resp: 430327

Ion Ratio Lower Upper

264 100

260 24.6 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

