

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118606.D
 Acq On : 20 Jan 2020 22:16
 Operator : CG/JU
 Sample : L1154-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 21 01:44:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

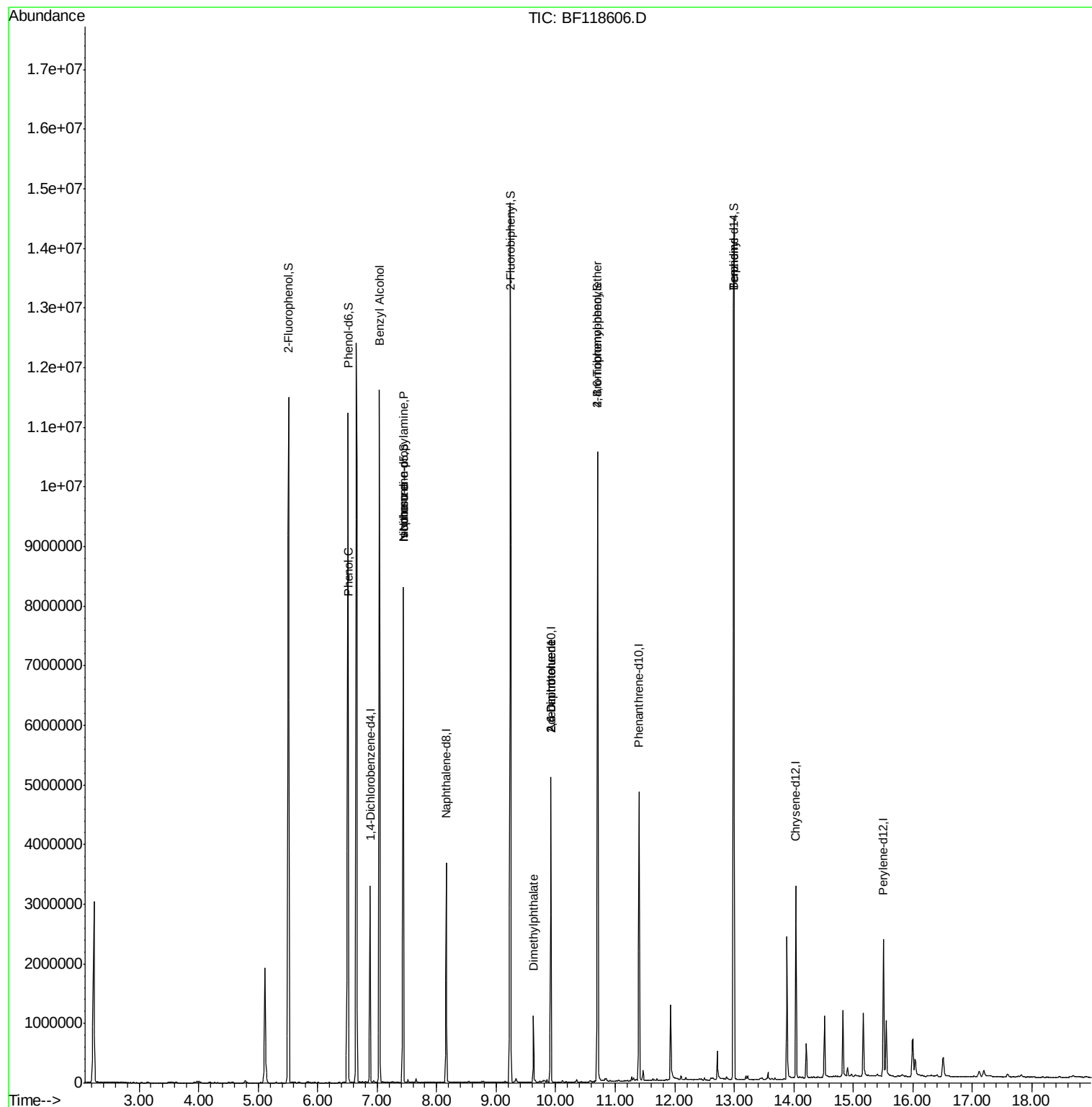
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	492123	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1787089	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	1012883	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	1772787	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	1037614	20.00	ng	-0.01
87) Perylene-d12	15.50	264	1117148	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	3652345	137.84	ng	0.01
7) Phenol-d6	6.51	99	4858546	141.07	ng	0.00
23) Nitrobenzene-d5	7.44	82	3087999	96.65	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	1646952	140.58	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	5239681	85.02	ng	0.00
79) Terphenyl-d14	12.99	244	5181634	108.92	ng	0.00
Target Compounds						
10) Phenol	6.52	94	200453	5.107	ng	94
15) Benzyl Alcohol	7.04	79	54757	2.005	ng	# 47
19) n-Nitroso-di-n-propylamine	7.44	70	449521	19.330	ng	# 77
25) Isophorone	7.44	82	3085379	52.945	ng	# 64
50) Dimethylphthalate	9.63	163	423452	6.417	ng	97
51) 2,6-Dinitrotoluene	9.92	165	136021	9.205	ng	# 21
57) 2,4-Dinitrotoluene	9.92	165	136021	7.302	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	104192	4.757	ng	# 1
77) Benzidine	12.99	184	76202	2.749	ng	# 94

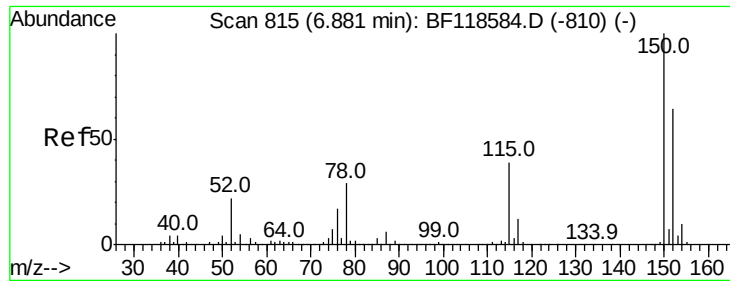
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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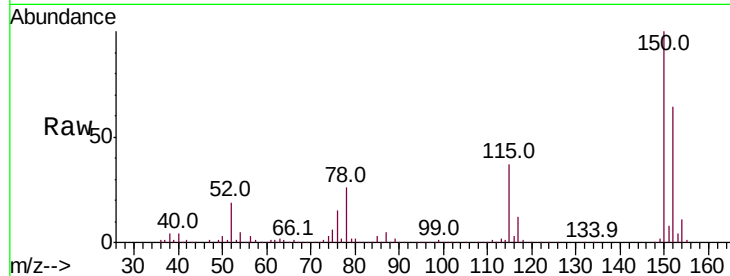


#1

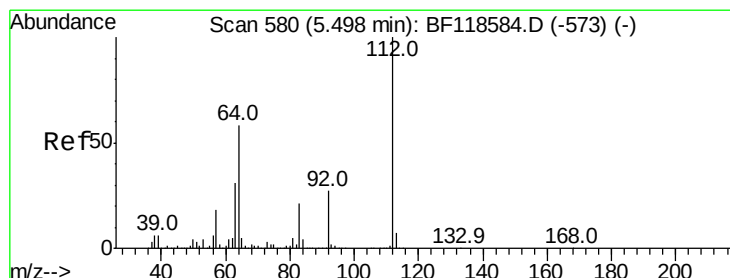
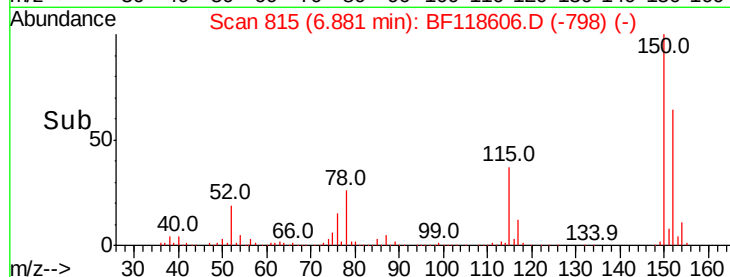
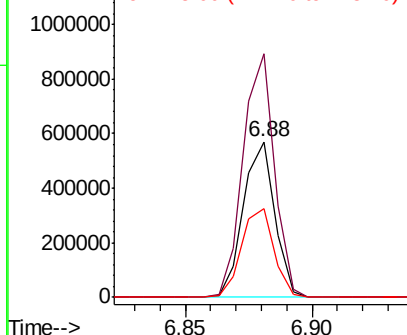
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF118606.D
Acq: 20 Jan 2020 22:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 492123
Ion Ratio Lower Upper
152 100
150 156.3 125.6 188.4
115 57.1 48.4 72.6



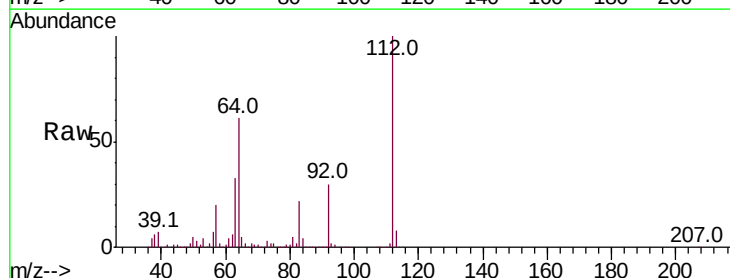
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



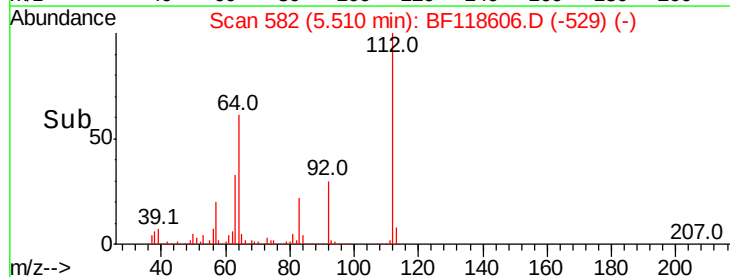
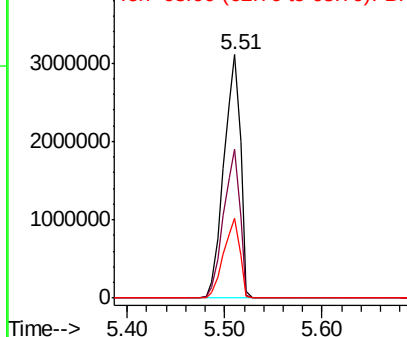
#5

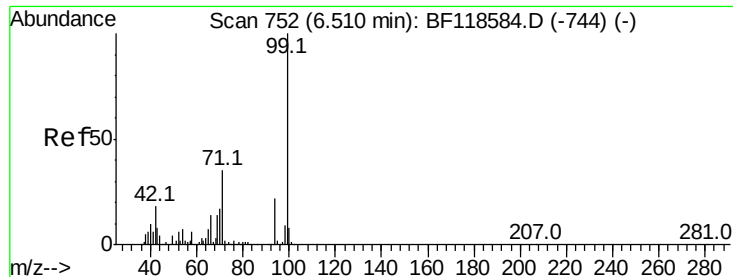
2-Fluorophenol
Concen: 137.838 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF118606.D
Acq: 20 Jan 2020 22:16

Tgt Ion:112 Resp: 3652345
Ion Ratio Lower Upper
112 100
64 61.2 46.6 70.0
63 32.7 25.1 37.7



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: 141.074 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF118606.D

Acq: 20 Jan 2020 22:16

Instrument :

BNA_F

ClientSampled :

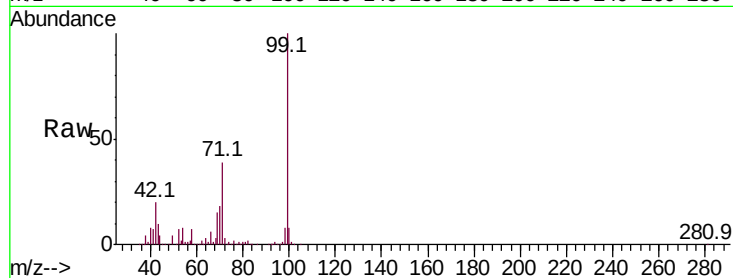
Tot Ion: 99 Resp: 4858546

Ion Ratio Lower Upper

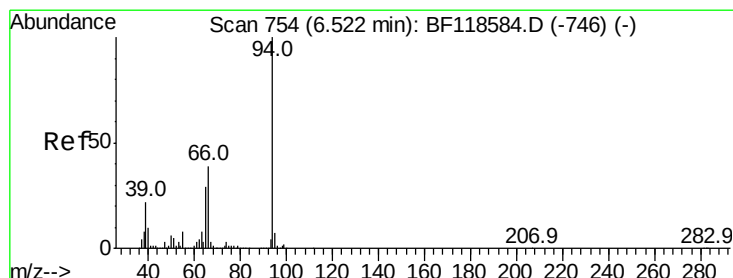
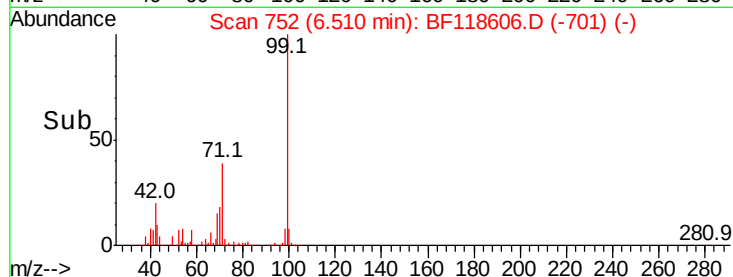
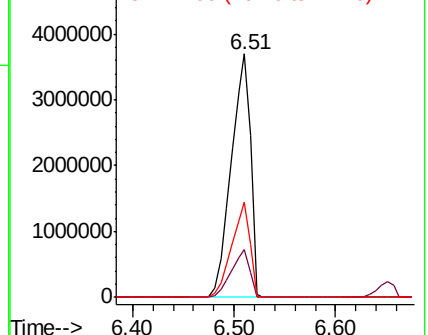
99 100

42 19.7 14.2 21.2

71 38.9 27.8 41.6



Abundance Ion 99.00 (98.70 to 99.70): BF1
5000000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.107 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF118606.D

Acq: 20 Jan 2020 22:16

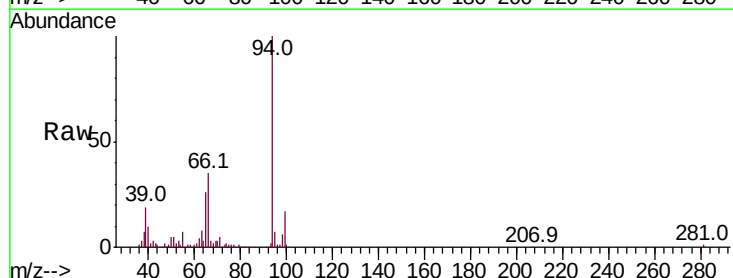
Tgt Ion: 94 Resp: 200453

Ion Ratio Lower Upper

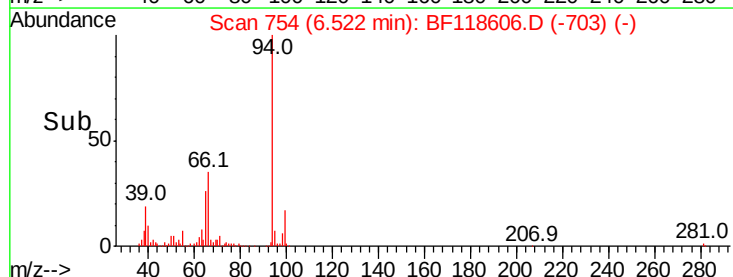
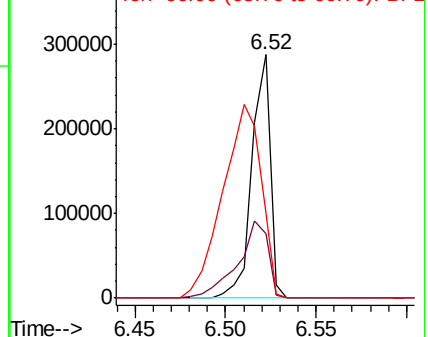
94 100

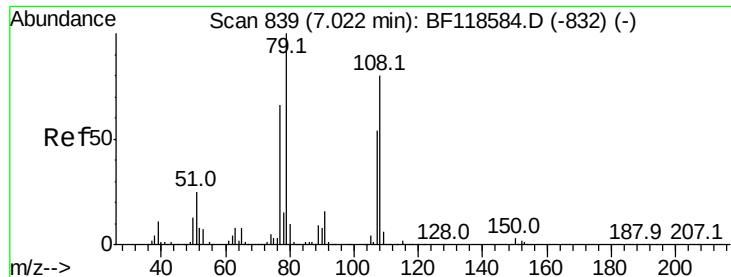
65 26.2 9.5 49.5

66 34.8 18.5 58.5



Abundance Ion 94.00 (93.70 to 94.70): BF1
400000
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

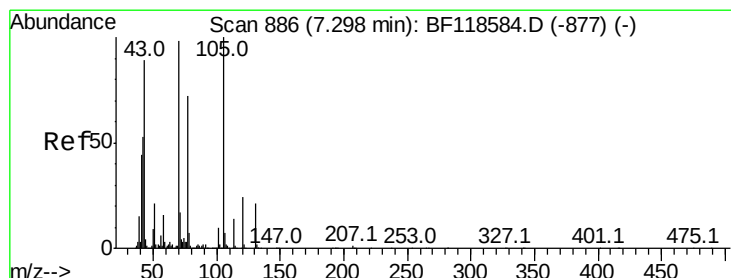
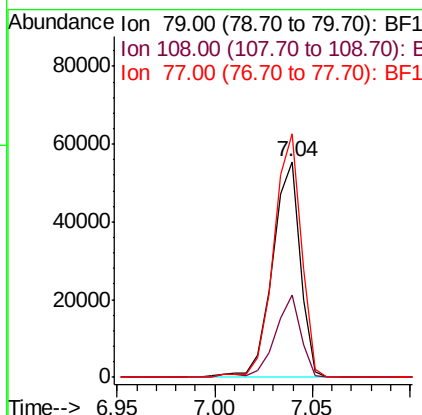
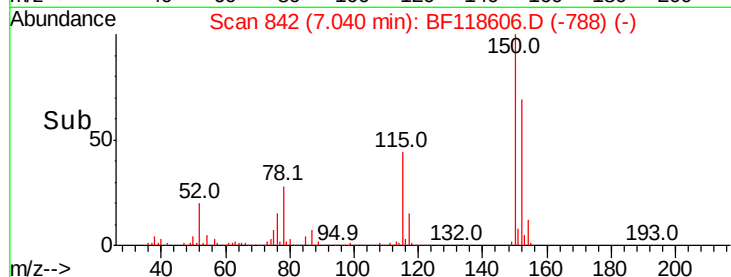
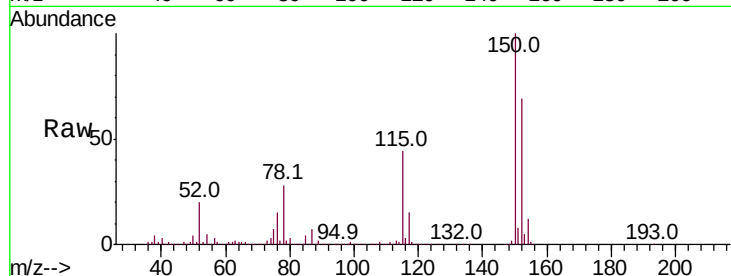




#15
Benzyl Alcohol
Concen: 2.005 ng
RT: 7.04 min Scan# 842
Delta R.T. 0.02 min
Lab File: BF118606.D
Acq: 20 Jan 2020 22:16

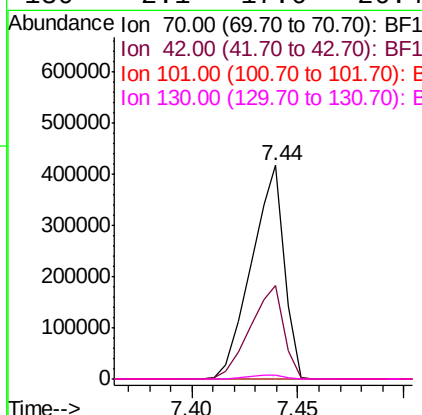
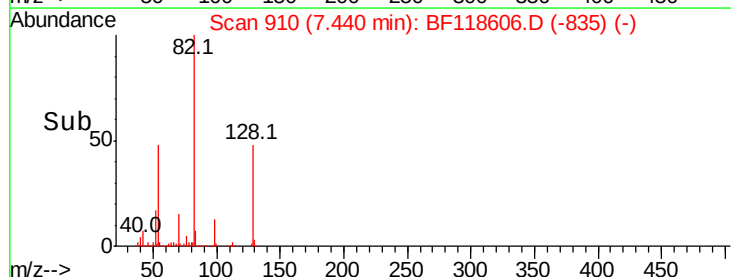
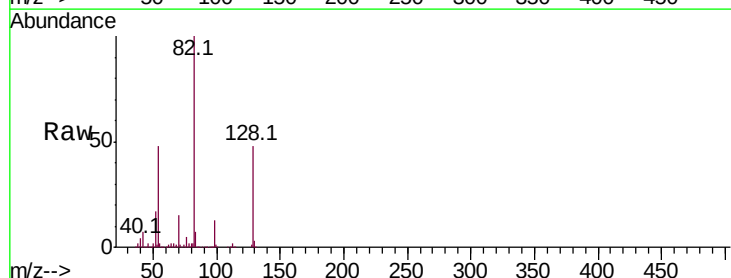
Instrument :
BNA_F
ClientSampleId :

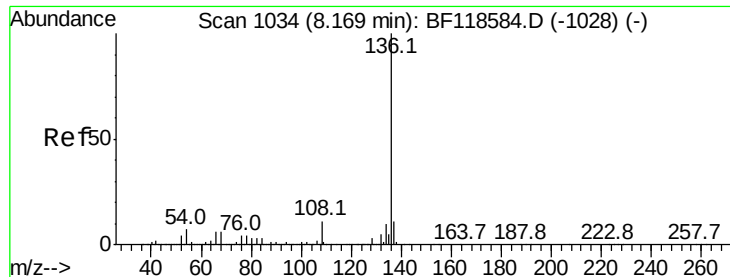
Tot Ion: 79 Resp: 54757
Ion Ratio Lower Upper
79 100
108 37.9 63.6 95.4#
77 112.8 52.5 78.7#



#19
n-Nitroso-di-n-propylamine
Concen: 19.330 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.14 min
Lab File: BF118606.D
Acq: 20 Jan 2020 22:16

Tgt Ion: 70 Resp: 449521
Ion Ratio Lower Upper
70 100
42 43.7 43.4 65.0
101 0.0 8.1 12.1#
130 2.1 17.6 26.4#



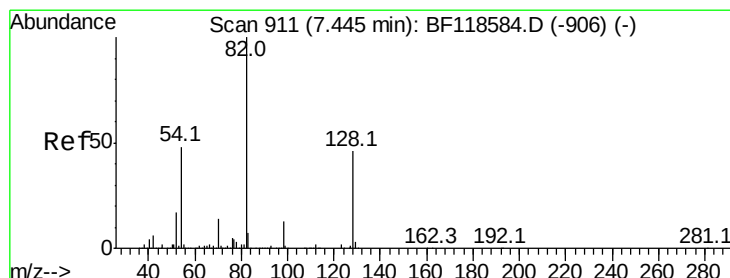
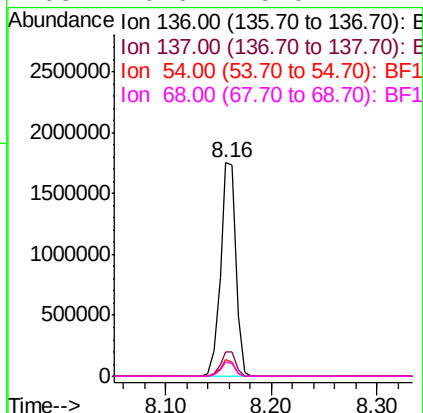
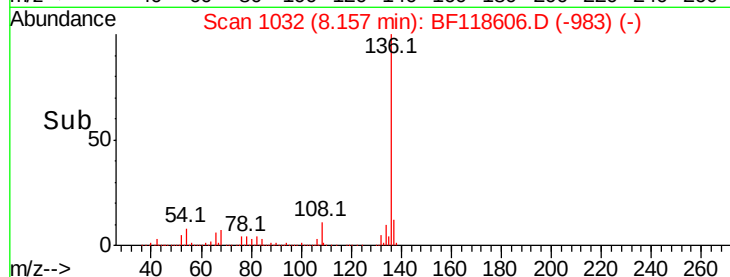
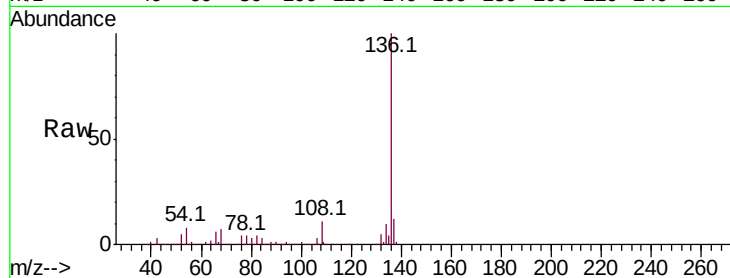


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF118606.D
Acq: 20 Jan 2020 22:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 1787089

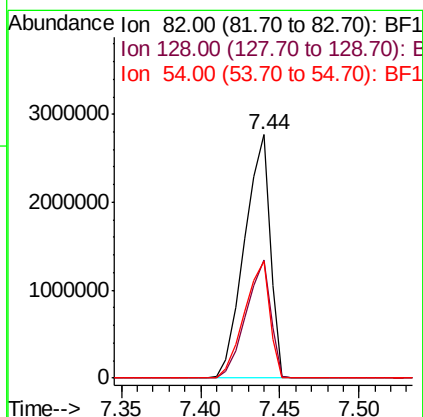
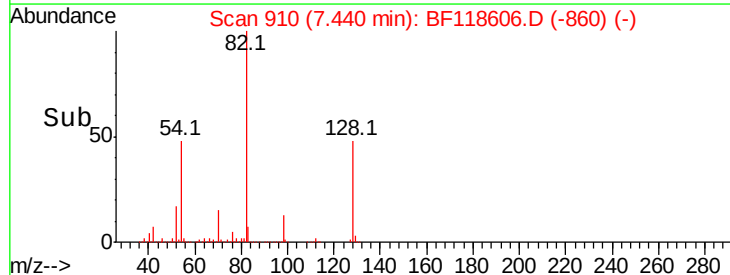
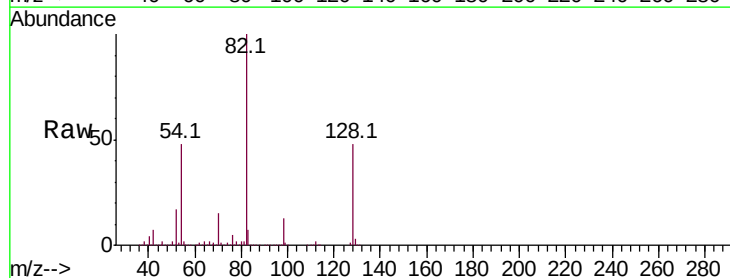
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	7.9	5.8	8.6
68	6.6	5.0	7.4

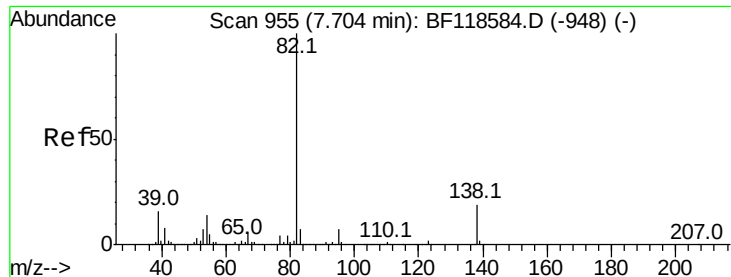


#23
Nitrobenzene-d5
Concen: 96.651 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118606.D
Acq: 20 Jan 2020 22:16

Tgt Ion: 82 Resp: 3087999

Ion	Ratio	Lower	Upper
82	100		
128	48.4	36.6	54.8
54	48.2	38.0	57.0





#25

Isophorone

Concen: 52.945 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF118606.D

Acq: 20 Jan 2020 22:16

Instrument :

BNA_F

ClientSampleId :

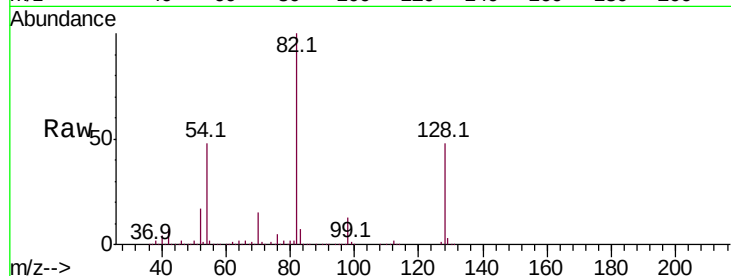
Tot Ion: 82 Resp: 3085379

Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

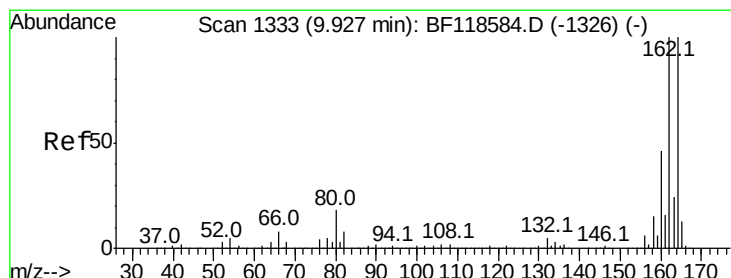
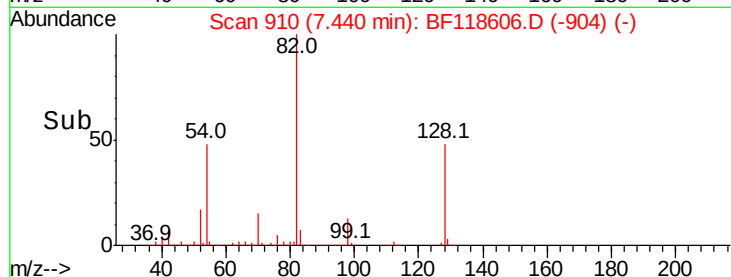
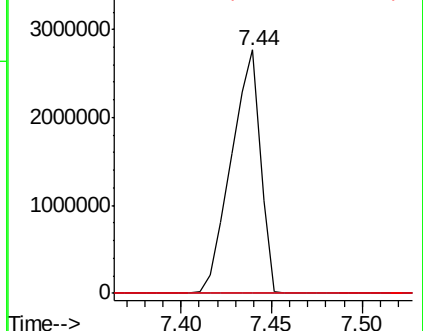
138 0.0 15.3 22.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118606.D

Acq: 20 Jan 2020 22:16

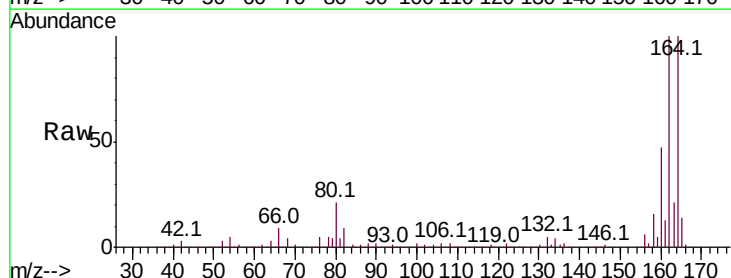
Tgt Ion:164 Resp: 1012883

Ion Ratio Lower Upper

164 100

162 100.3 80.4 120.6

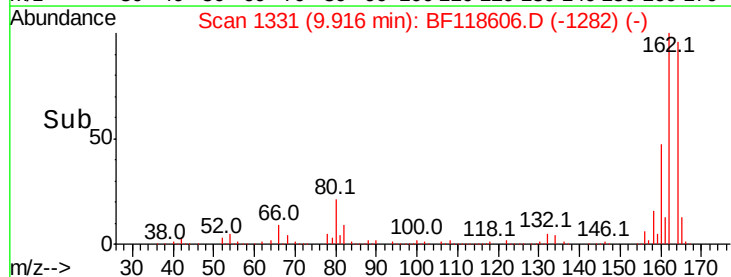
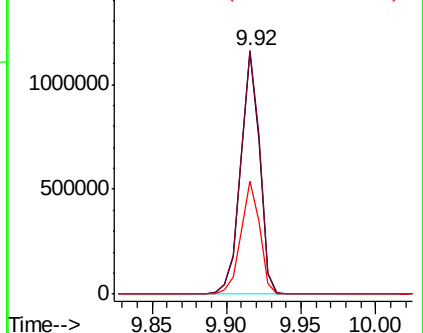
160 46.7 36.6 55.0

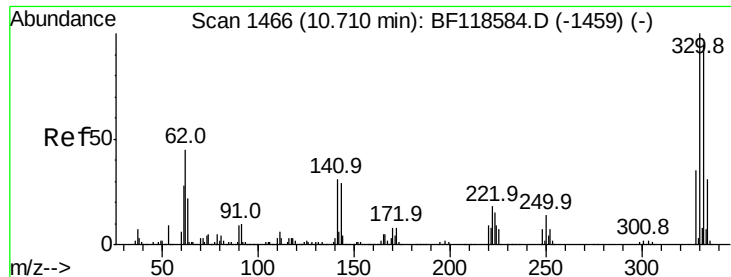


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 140.581 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BF118606.D

Acq: 20 Jan 2020 22:16

Instrument :

BNA_F

ClientSampleId :

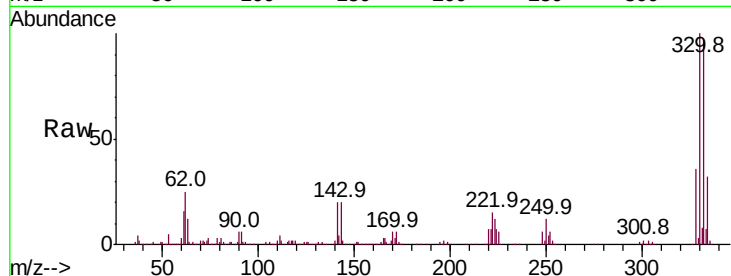
Tot Ion:330 Resp: 1646952

Ion Ratio Lower Upper

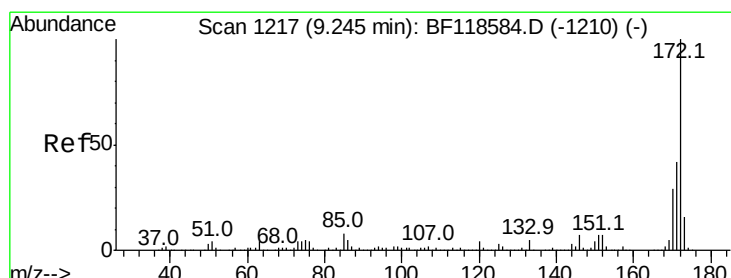
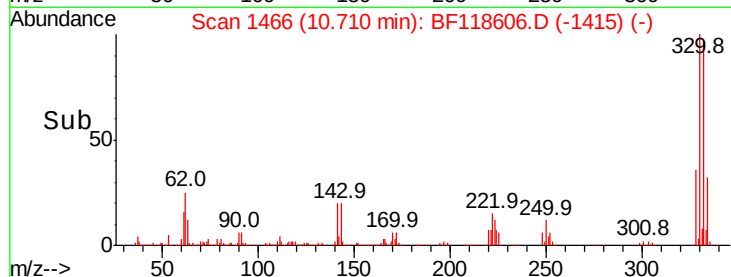
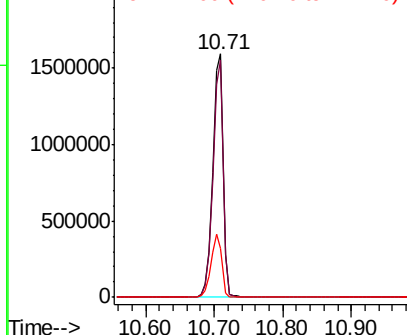
330 100

332 95.5 76.2 114.4

141 27.3 23.9 35.9



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: 85.025 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF118606.D

Acq: 20 Jan 2020 22:16

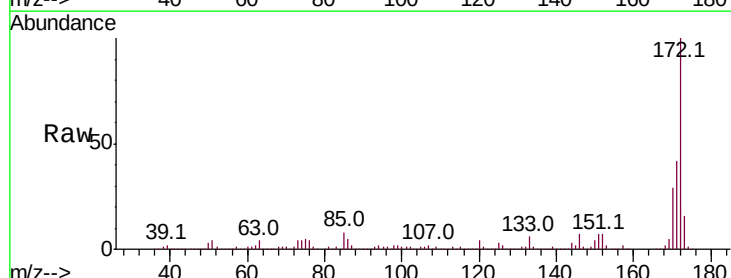
Tgt Ion:172 Resp: 5239681

Ion Ratio Lower Upper

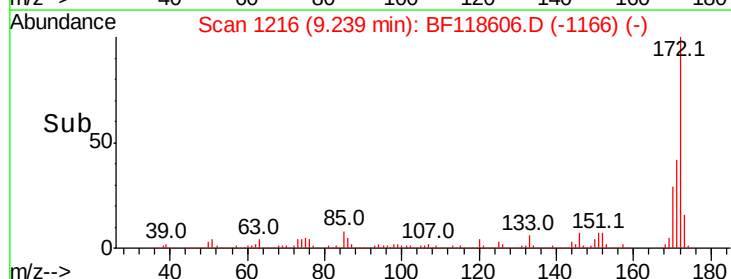
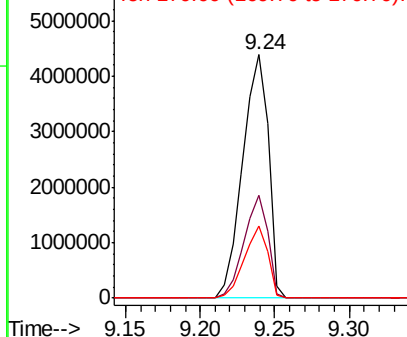
172 100

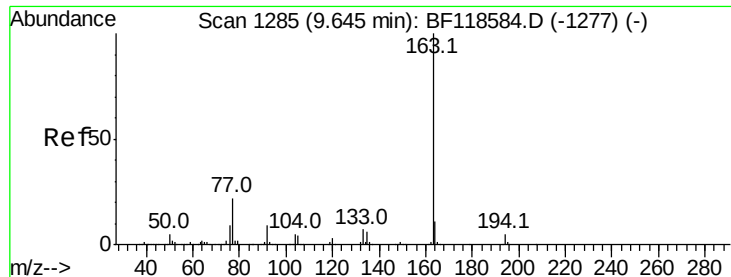
171 42.3 33.4 50.2

170 29.4 23.2 34.8



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: 6.417 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF118606.D

Acq: 20 Jan 2020 22:16

Instrument :

BNA_F

ClientSampleId :

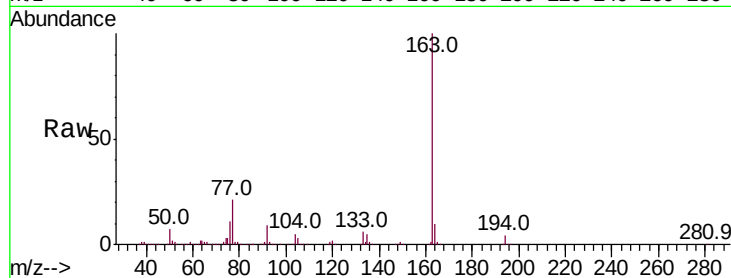
Tot Ion:163 Resp: 423452

Ion Ratio Lower Upper

163 100

194 4.3 3.9 5.9

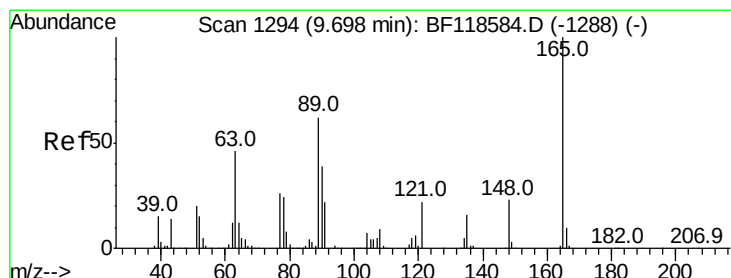
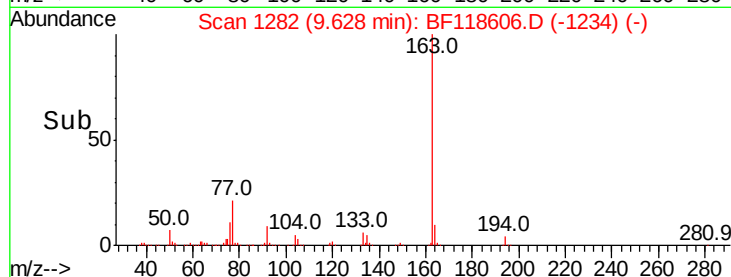
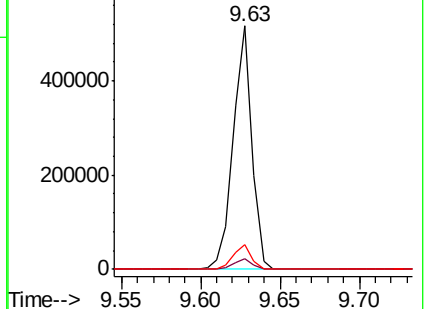
164 9.9 9.1 13.7



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



#51

2,6-Dinitrotoluene

Concen: 9.205 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.22 min

Lab File: BF118606.D

Acq: 20 Jan 2020 22:16

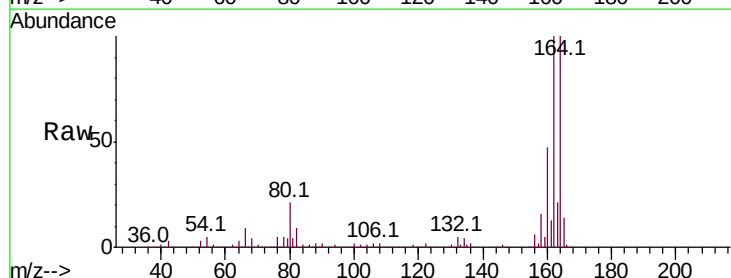
Tgt Ion:165 Resp: 136021

Ion Ratio Lower Upper

165 100

63 1.0 48.9 73.3#

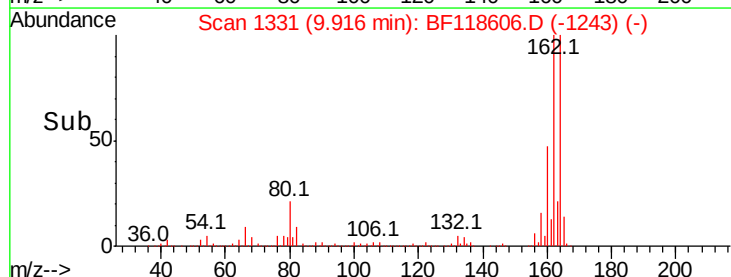
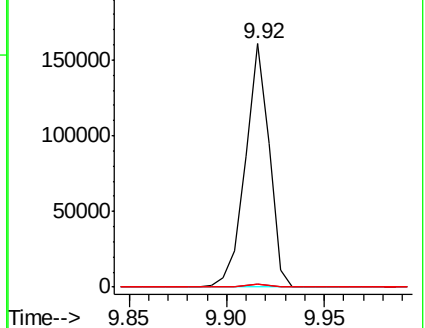
89 1.2 49.8 74.6#

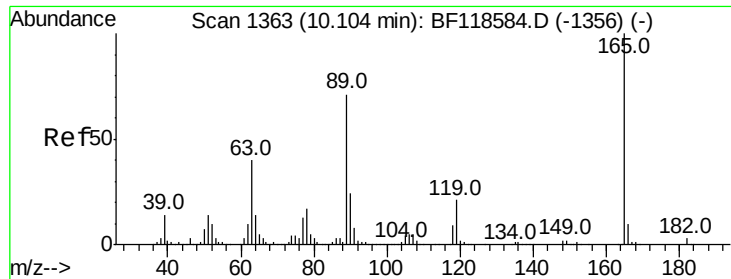


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

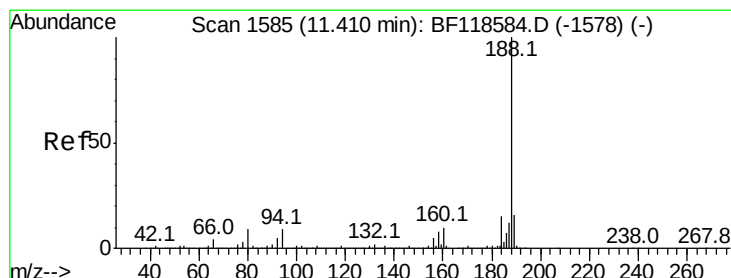
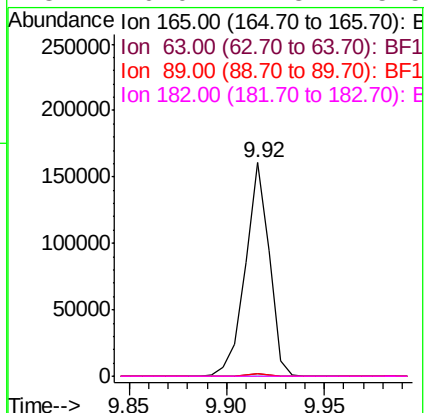
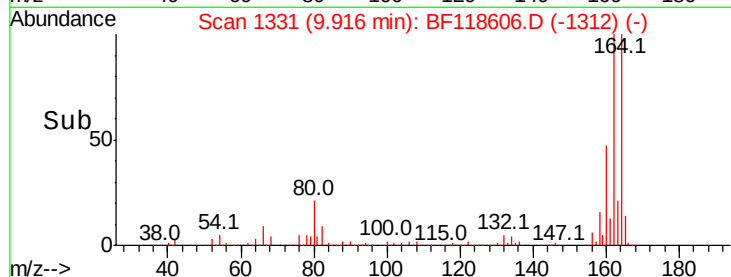
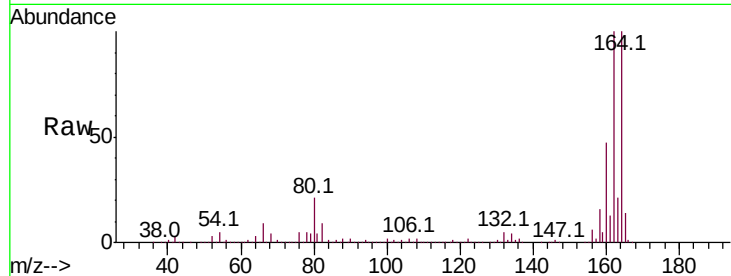




#57
 2,4-Dinitrotoluene
 Concen: 7.302 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF118606.D
 Acq: 20 Jan 2020 22:16

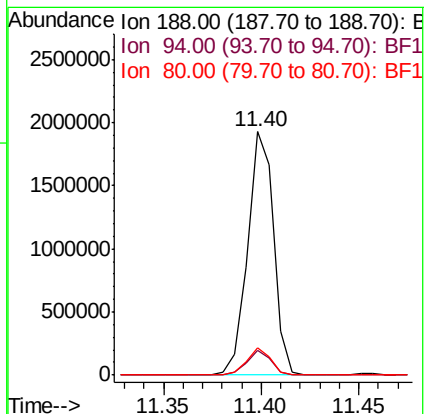
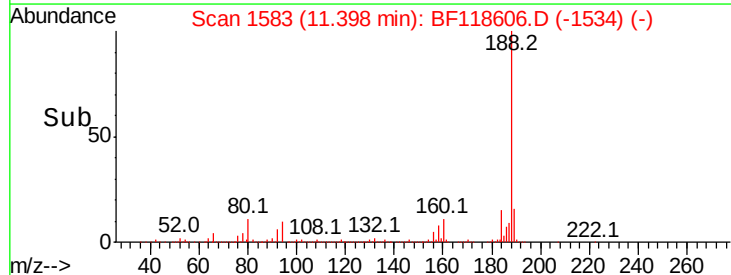
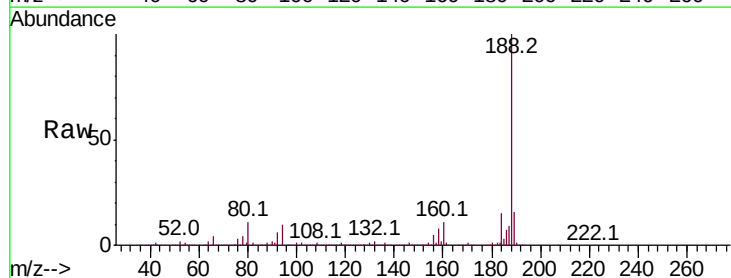
Instrument :
 BNA_F
 ClientSampleId :

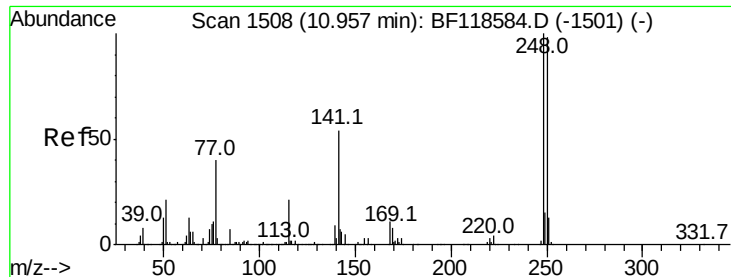
Tot Ion:	165	Resp:	136021
Ion	Ratio	Lower	Upper
165	100		
63	1.0	32.4	48.6#
89	1.2	56.4	84.6#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF118606.D
 Acq: 20 Jan 2020 22:16

Tgt Ion:	188	Resp:	1772787
Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.1	10.7
80	11.0	7.5	11.3

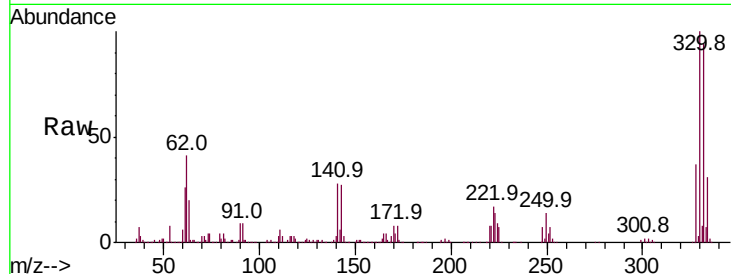




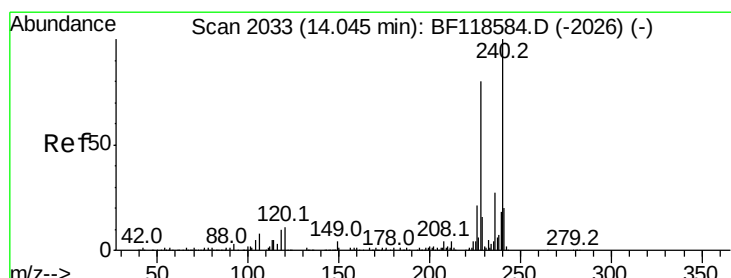
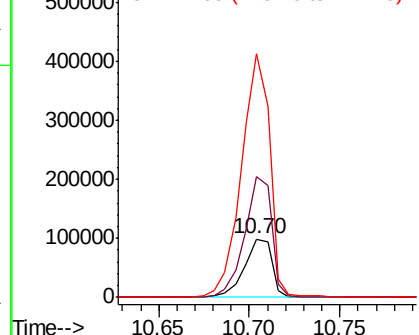
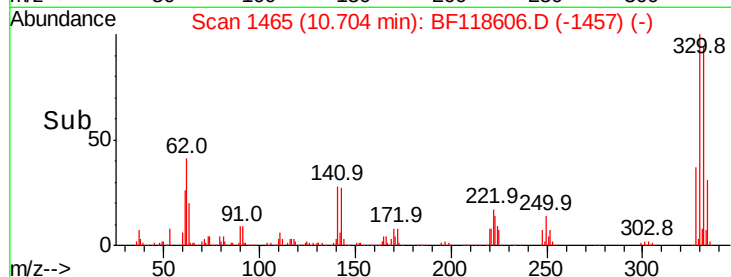
#67
 4-Bromophenyl-phenylether
 Concen: 4.757 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF118606.D
 Acq: 20 Jan 2020 22:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 104192
 Ion Ratio Lower Upper
 248 100
 250 207.8 78.7 118.1#
 141 416.8 43.2 64.8#

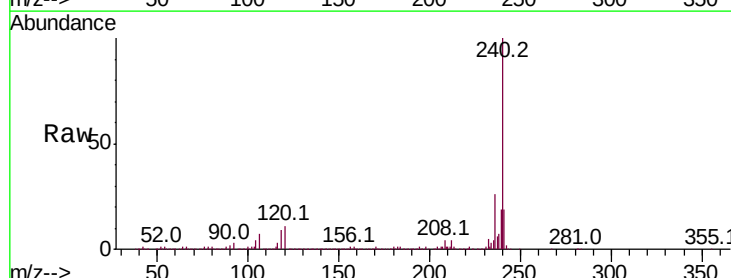


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

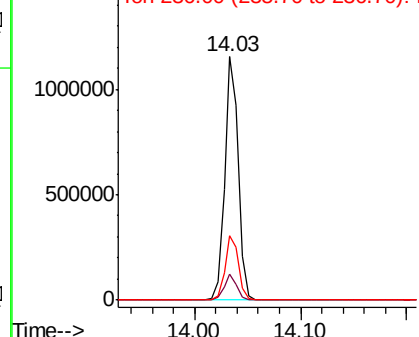
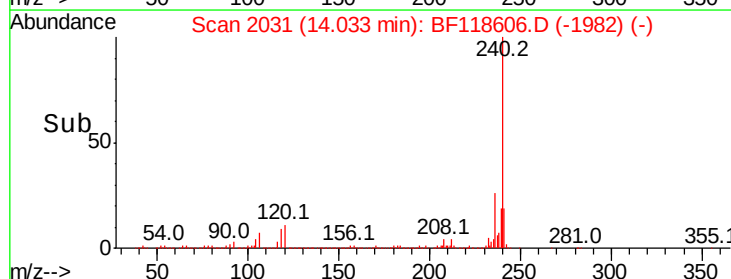


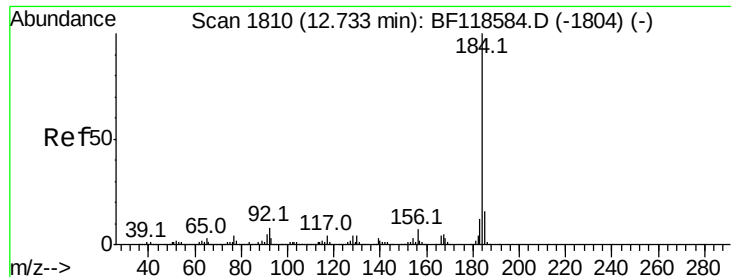
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF118606.D
 Acq: 20 Jan 2020 22:16

Tgt Ion:240 Resp: 1037614
 Ion Ratio Lower Upper
 240 100
 120 10.6 8.9 13.3
 236 26.5 21.5 32.3



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: 2.749 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.26 min

Lab File: BF118606.D

Acq: 20 Jan 2020 22:16

Instrument :

BNA_F

ClientSampleId :

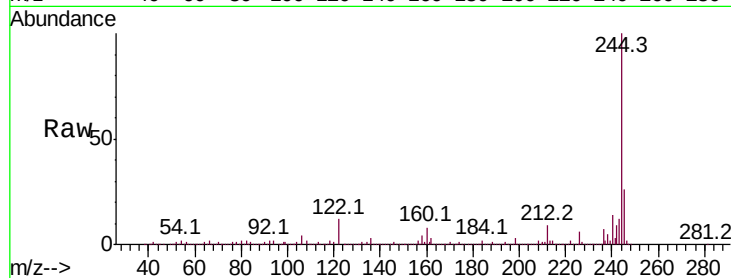
Tot Ion:184 Resp: 76202

Ion Ratio Lower Upper

184 100

185 15.0 12.9 19.3

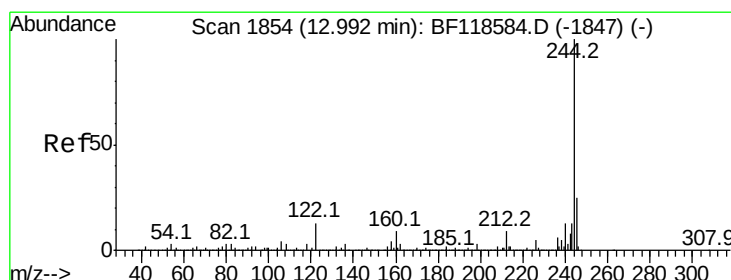
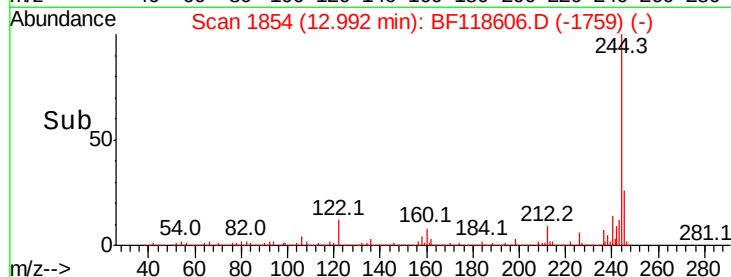
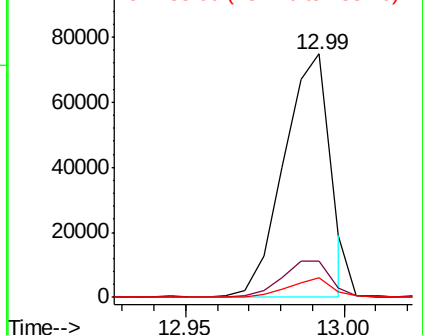
183 8.2 9.6 14.4#



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: 108.919 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF118606.D

Acq: 20 Jan 2020 22:16

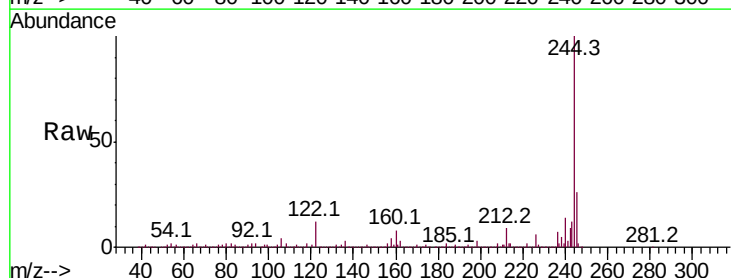
Tgt Ion:244 Resp: 5181634

Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.4

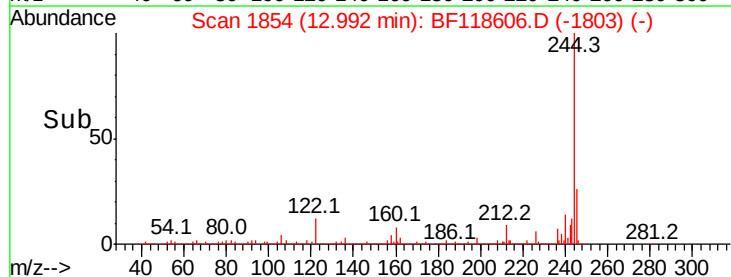
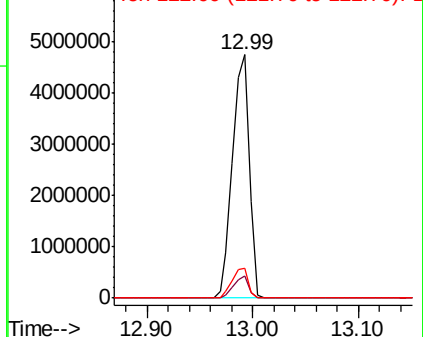
122 12.5 10.7 16.1

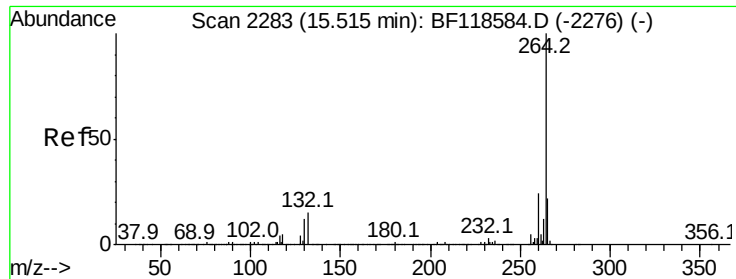


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.01 min
 Lab File: BF118606.D
 Acq: 20 Jan 2020 22:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 1117148
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.6 29.4
 265 21.7 17.7 26.5

