

Data File : BF118579.D
Acq On : 18 Jan 2020 1:06
Operator : JU
Sample : L1173-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 18 01:59:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 17 15:49:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	338759	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	1241847	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	688700	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	1297715	20.00	ng	0.00
76) Chrysene-d12	14.04	240	1186420	20.00	ng	0.00
87) Perylene-d12	15.52	264	1275906	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1711830	93.37	ng	0.00
7) Phenol-d6	6.50	99	1578186	65.69	ng	-0.01
23) Nitrobenzene-d5	7.45	82	2082745	103.58	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	1168819	153.52	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	3813116	99.95	ng	0.00
79) Terphenyl-d14	13.00	244	4964213	82.63	ng	0.00

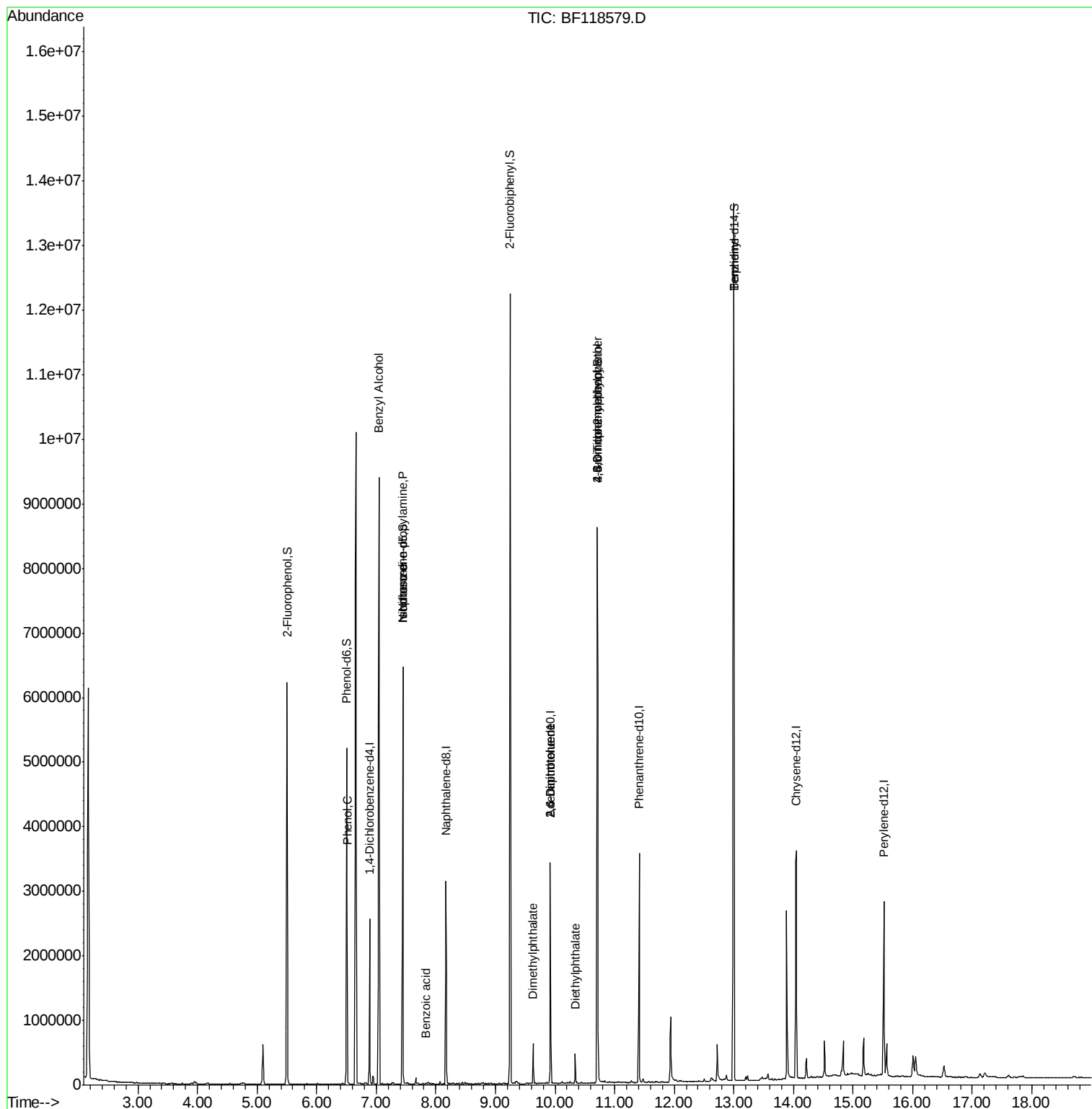
Target Compounds				Qvalue		
10) Phenol	6.52	94	53500	2.030	ng	98
15) Benzyl Alcohol	7.05	79	39599	2.009	ng	# 44
19) n-Nitroso-di-n-propylamine	7.45	70	301352	17.493	ng	# 77
25) Isophorone	7.45	82	2073058	47.505	ng	# 63
32) Benzoic acid	7.83	122	3648	8.110	ng	94
50) Dimethylphthalate	9.63	163	211085	4.464	ng	96
51) 2,6-Dinitrotoluene	9.92	165	90895	10.075	ng	# 26
57) 2,4-Dinitrotoluene	9.92	165	90895	11.880	ng	# 22
60) Diethylphthalate	10.34	149	149282	3.234	ng	94
65) 4,6-Dinitro-2-methylphenol	10.71	198	2475	10.099	ng	# 1
67) 4-Bromophenyl-phenylether	10.71	248	75698	4.358	ng	# 1
77) Benzidine	13.00	184	71827	2.492	ng	# 92

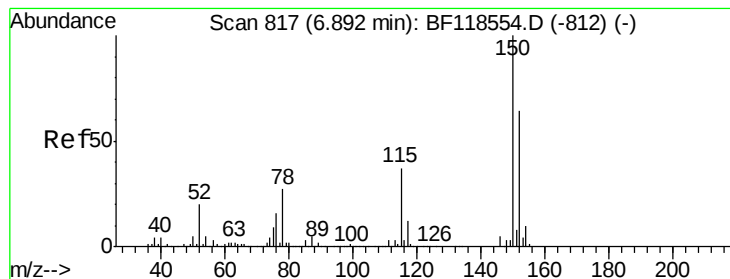
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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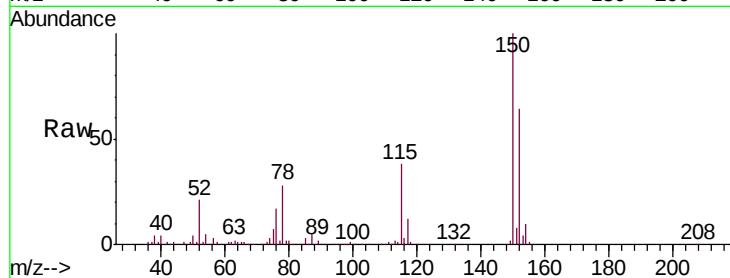


#1

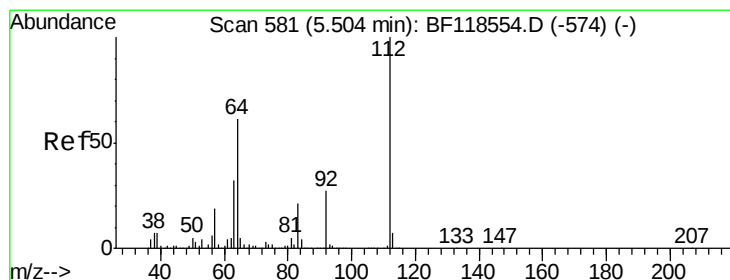
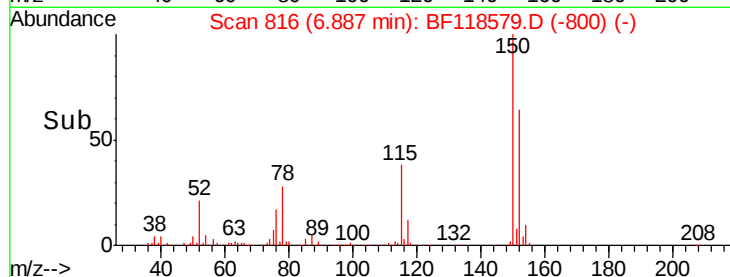
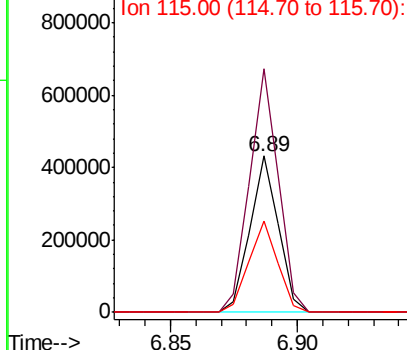
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF118579.D
Acq: 18 Jan 2020 1:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 338759
Ion Ratio Lower Upper
152 100
150 155.6 124.9 187.3
115 58.8 45.8 68.6



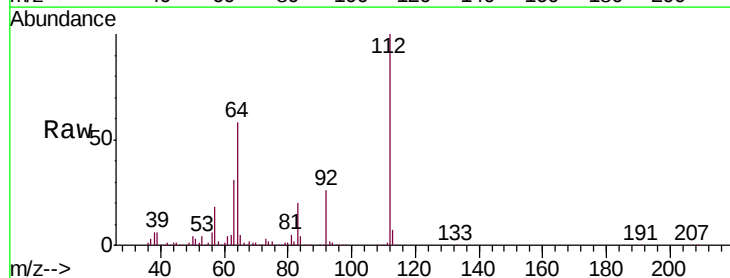
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



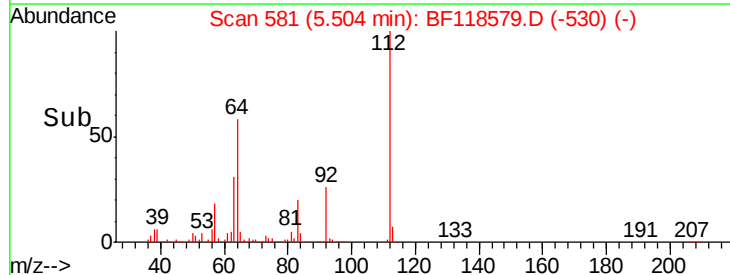
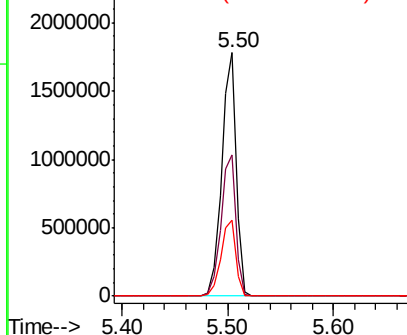
#5

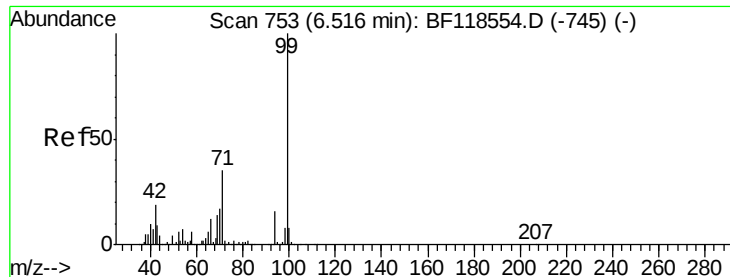
2-Fluorophenol
Concen: 93.370 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF118579.D
Acq: 18 Jan 2020 1:06

Tgt Ion:112 Resp: 1711830
Ion Ratio Lower Upper
112 100
64 58.0 49.1 73.7
63 30.9 25.8 38.8



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: 65.695 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118579.D

Acq: 18 Jan 2020 1:06

Instrument :

BNA_F

ClientSampleId :

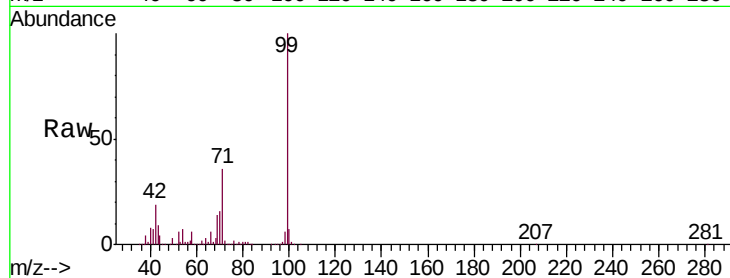
Tgt Ion: 99 Resp: 1578186

Ion Ratio Lower Upper

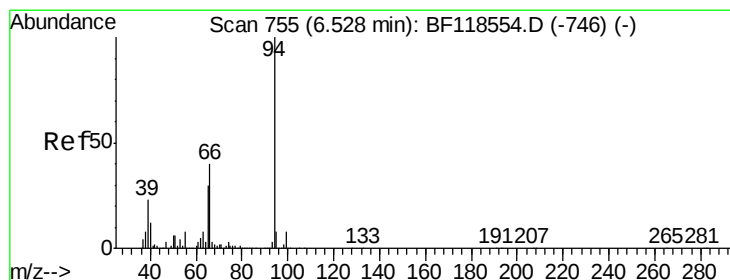
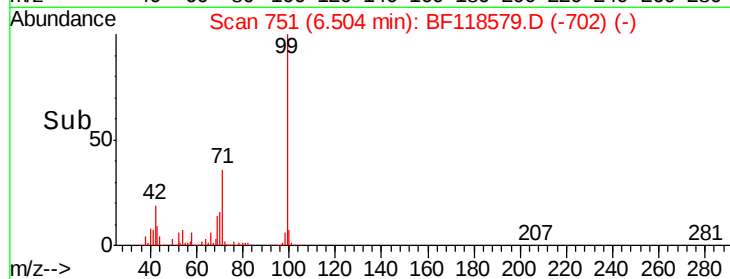
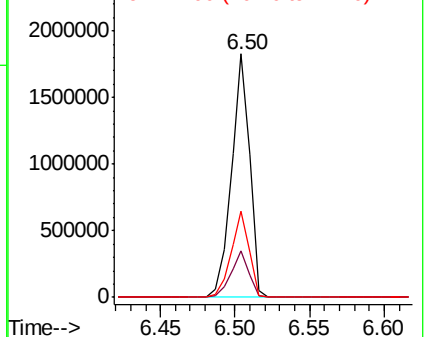
99 100

42 18.9 14.9 22.3

71 35.6 28.3 42.5



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: 2.030 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118579.D

Acq: 18 Jan 2020 1:06

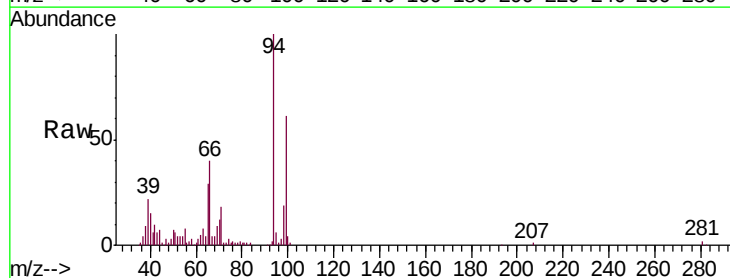
Tgt Ion: 94 Resp: 53500

Ion Ratio Lower Upper

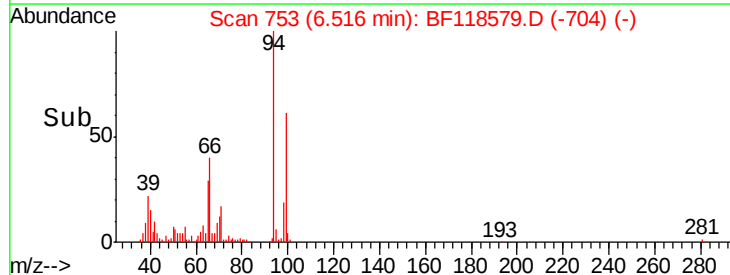
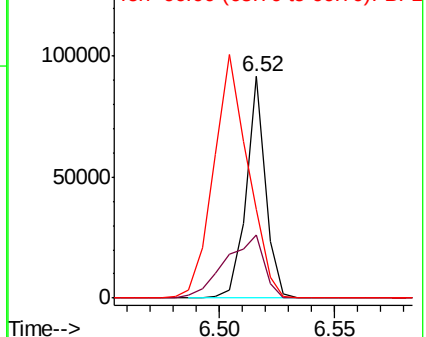
94 100

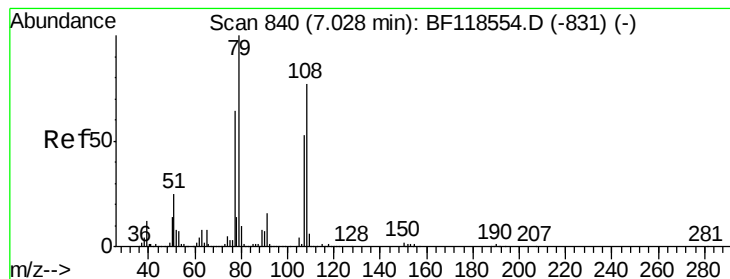
65 28.5 9.8 49.8

66 40.1 19.5 59.5



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: 2.009 ng

RT: 7.05 min Scan# 843

Delta R.T. 0.02 min

Lab File: BF118579.D

Acq: 18 Jan 2020 1:06

Instrument :

BNA_F

ClientSampleId :

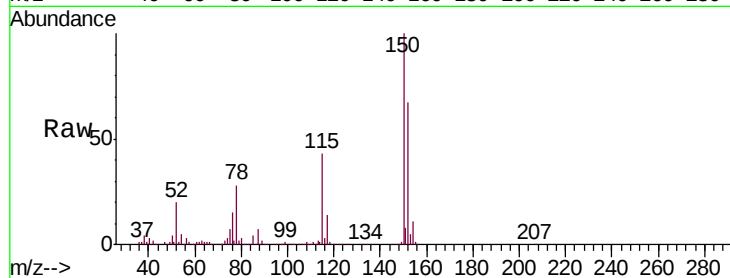
Tgt Ion: 79 Resp: 39599

Ion Ratio Lower Upper

79 100

108 36.6 61.9 92.9#

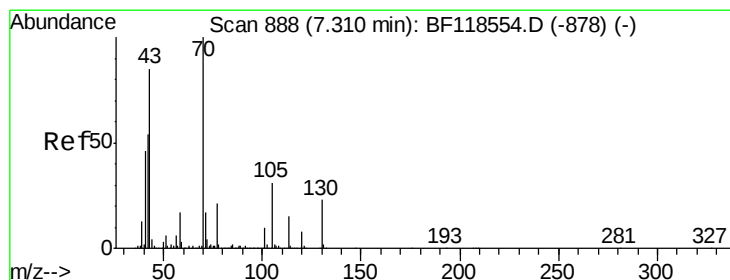
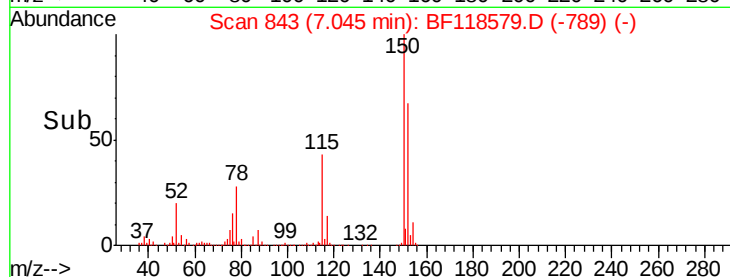
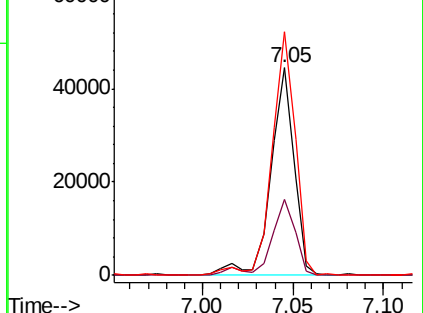
77 117.4 51.5 77.3#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 17.493 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF118579.D

Acq: 18 Jan 2020 1:06

Tgt Ion: 70 Resp: 301352

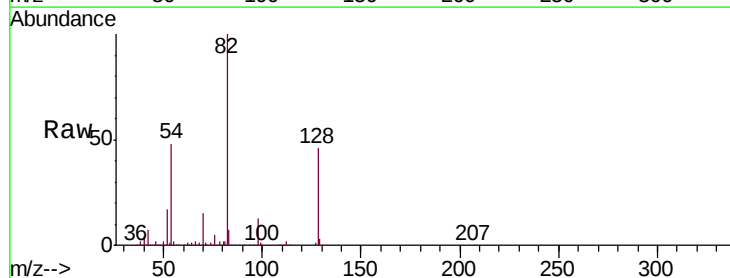
Ion Ratio Lower Upper

70 100

42 44.8 43.6 65.4

101 0.0 7.7 11.5#

130 2.1 18.3 27.5#

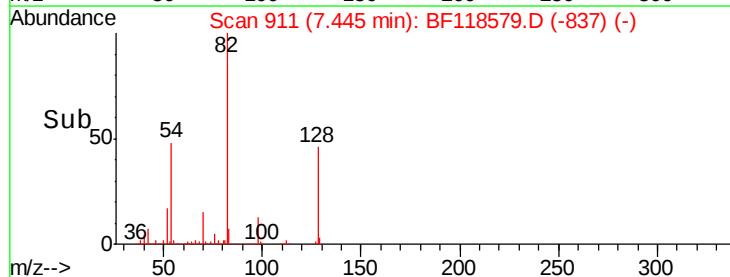
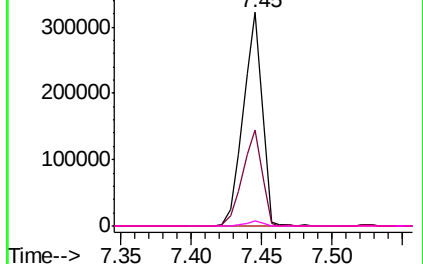


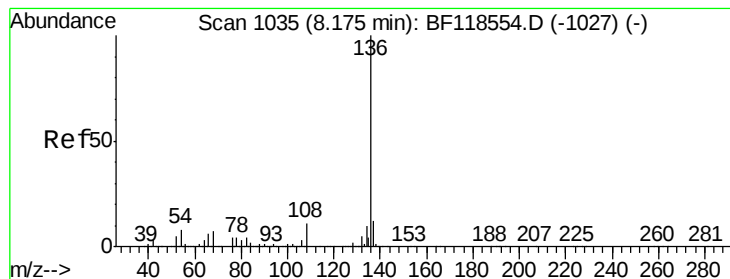
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF118579.D

Acq: 18 Jan 2020 1:06

Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 136 Resp: 1241847

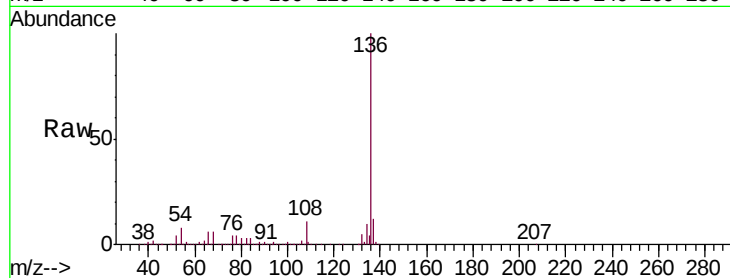
Ion Ratio Lower Upper

136 100

137 11.6 9.4 14.0

54 7.6 6.2 9.2

68 6.1 5.4 8.0

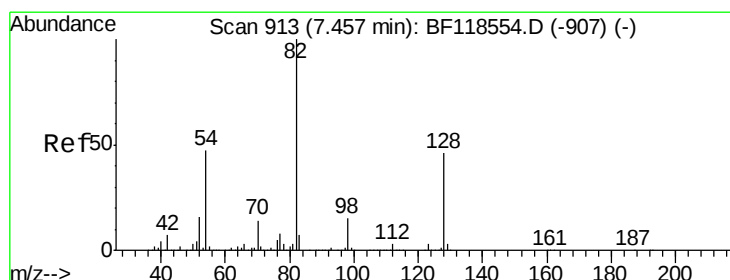
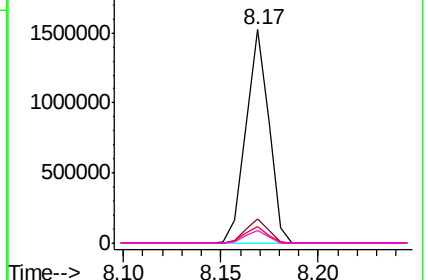
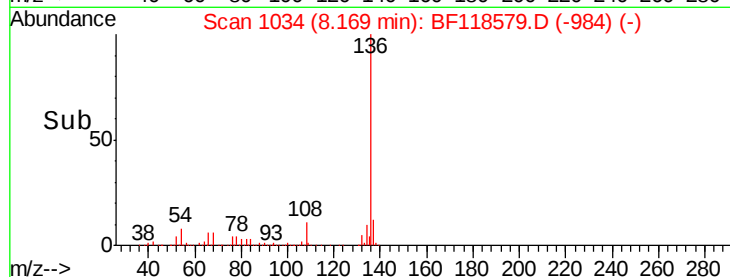


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 103.583 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF118579.D

Acq: 18 Jan 2020 1:06

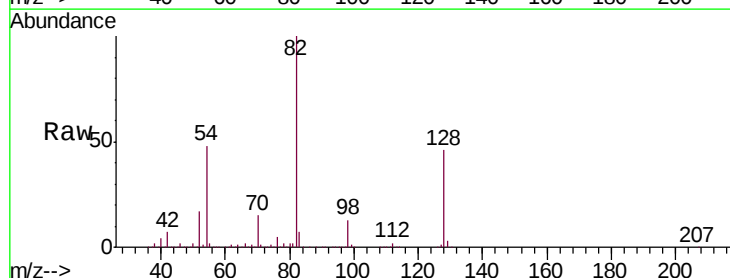
Tgt Ion: 82 Resp: 2082745

Ion Ratio Lower Upper

82 100

128 45.7 37.0 55.4

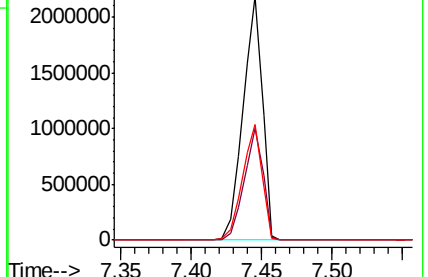
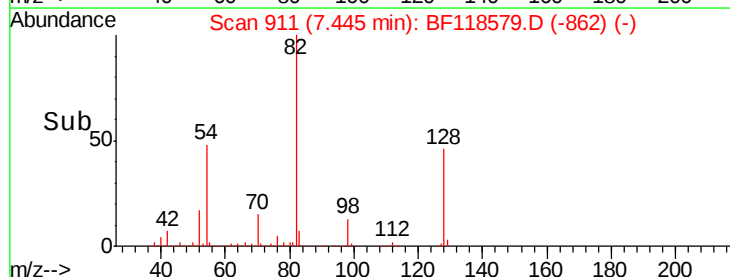
54 47.7 37.4 56.0

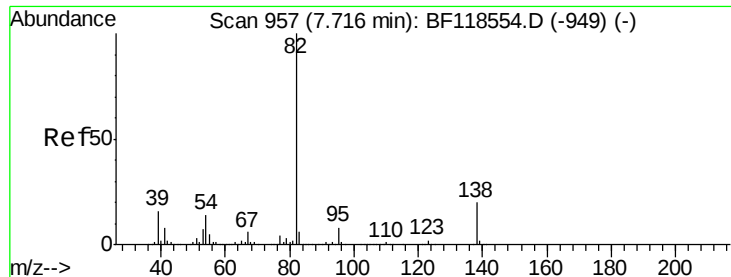


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.505 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF118579.D

Acq: 18 Jan 2020 1:06

Instrument :

BNA_F

ClientSampleId :

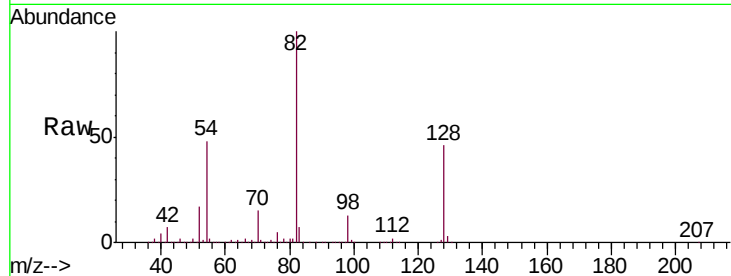
Tgt Ion: 82 Resp: 2073058

Ion Ratio Lower Upper

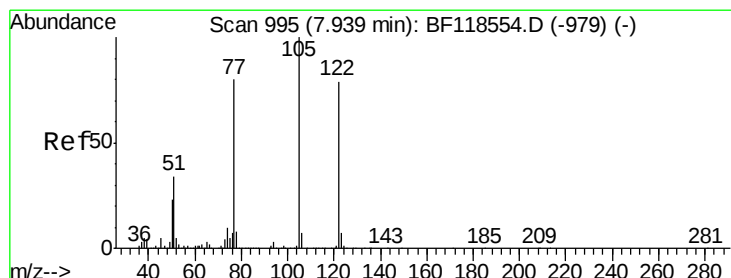
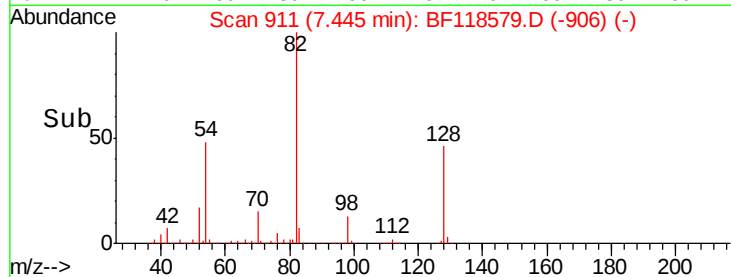
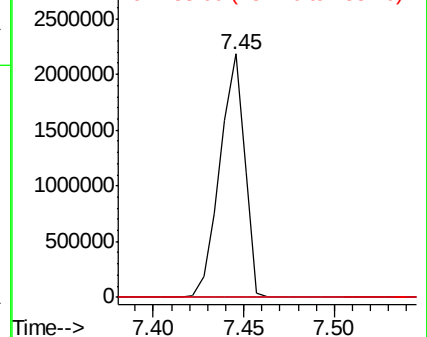
82 100

95 0.0 6.0 9.0#

138 0.0 15.8 23.8#



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



#32

Benzoic acid

Concen: 8.110 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.11 min

Lab File: BF118579.D

Acq: 18 Jan 2020 1:06

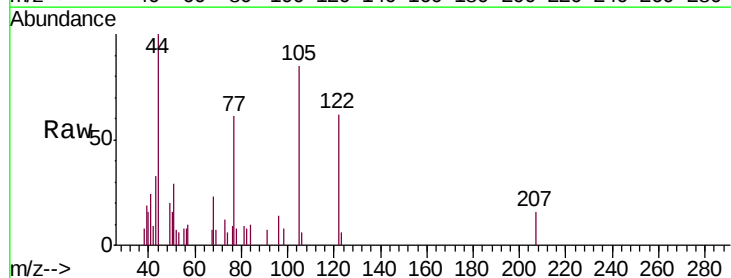
Tgt Ion: 122 Resp: 3648

Ion Ratio Lower Upper

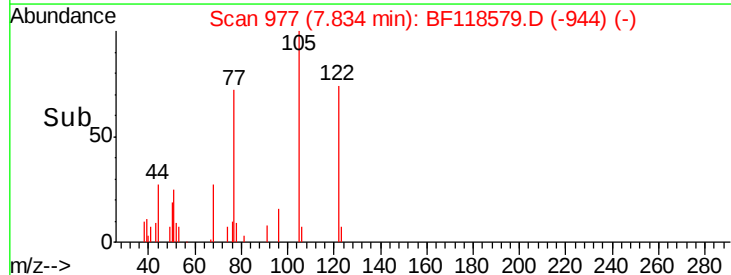
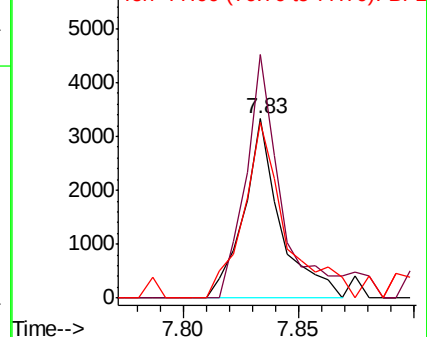
122 100

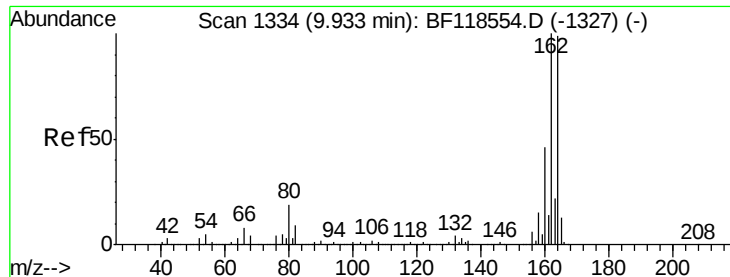
105 135.6 105.0 145.0

77 98.2 80.7 120.7



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

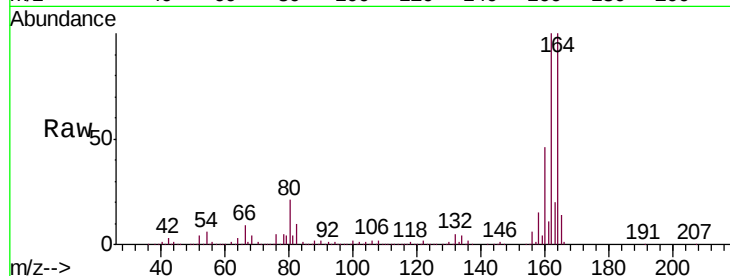




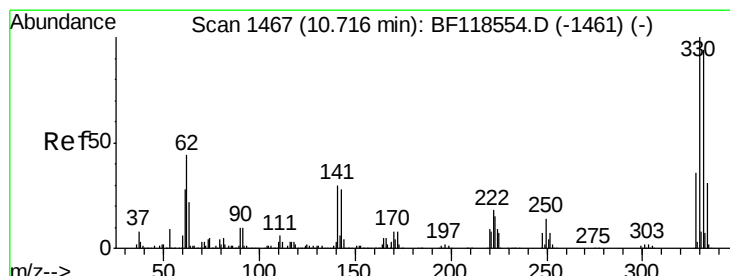
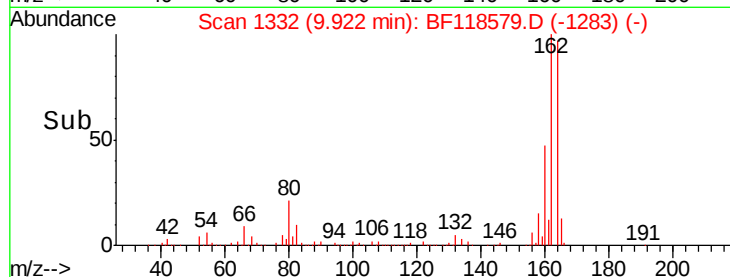
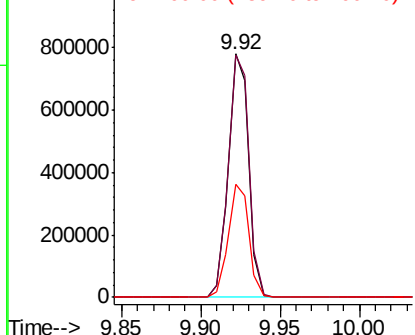
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF118579.D
Acq: 18 Jan 2020 1:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 688700
Ion Ratio Lower Upper
164 100
162 99.5 80.6 120.8
160 46.5 36.7 55.1

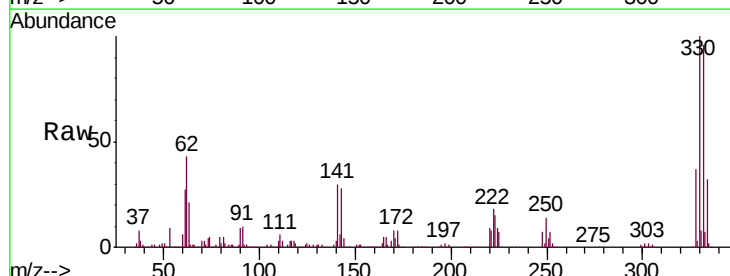


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

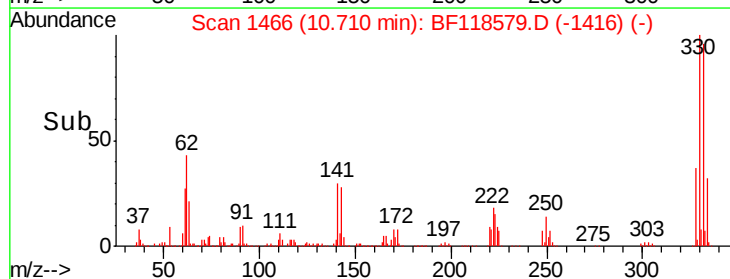
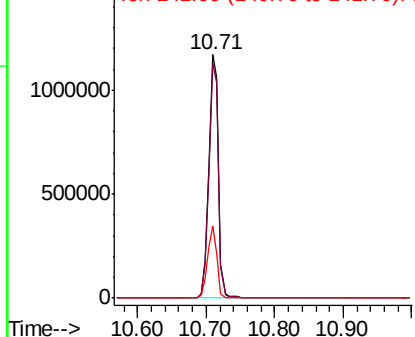


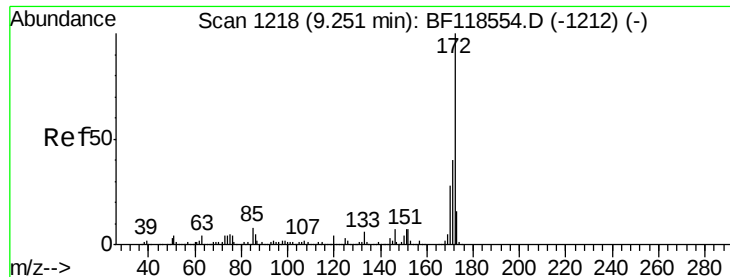
#42
2,4,6-Tribromophenol
Concen: 153.521 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF118579.D
Acq: 18 Jan 2020 1:06

Tgt Ion:330 Resp: 1168819
Ion Ratio Lower Upper
330 100
332 95.9 76.4 114.6
141 29.2 23.4 35.2



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

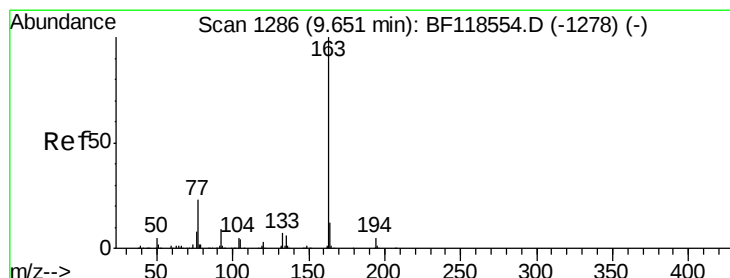
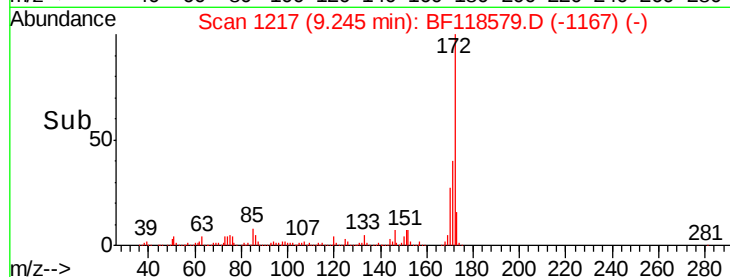
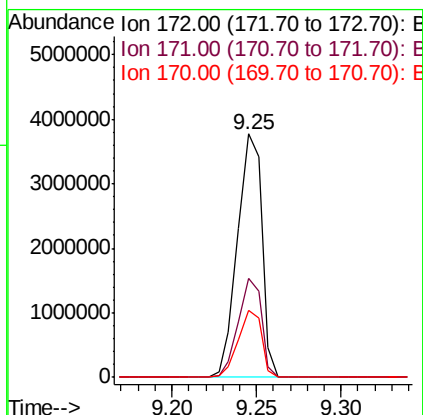
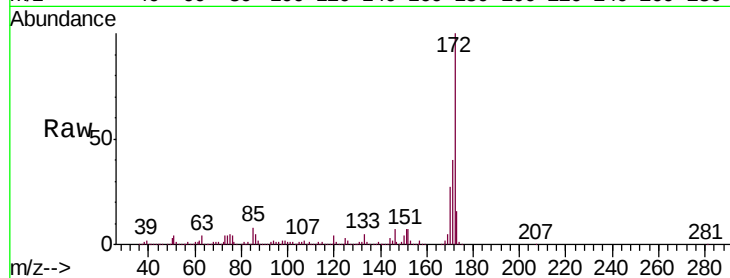




#45
2-Fluorobiphenyl
Concen: 99.954 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF118579.D
Acq: 18 Jan 2020 1:06

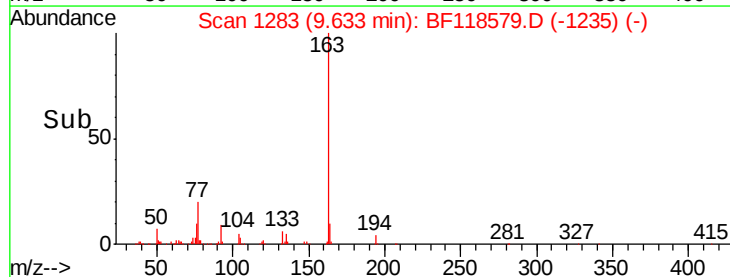
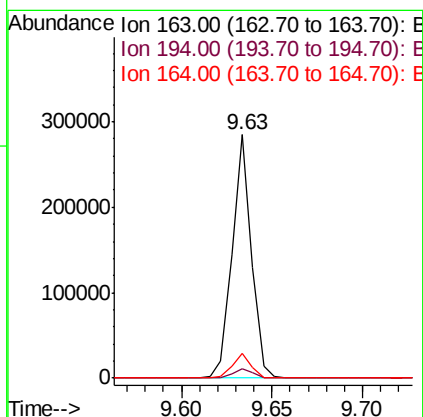
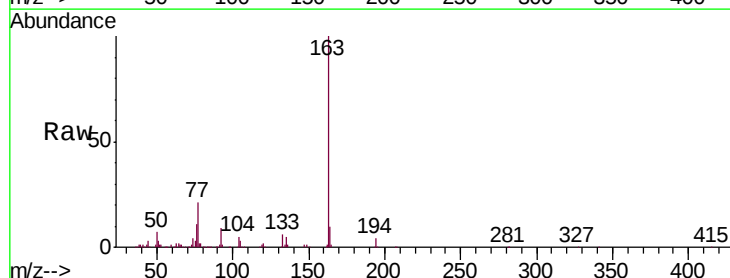
Instrument :
BNA_F
ClientSampleId :

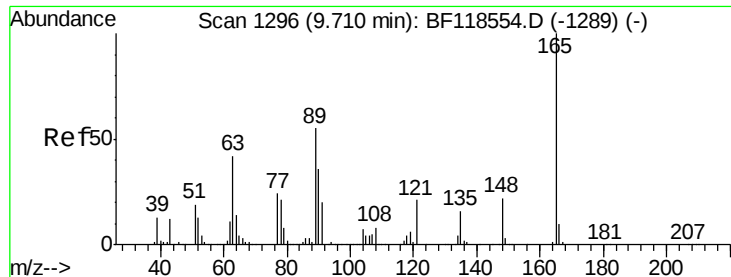
Tgt Ion:172 Resp: 3813116
Ion Ratio Lower Upper
172 100
171 40.4 32.4 48.6
170 27.5 22.5 33.7



#50
Dimethylphthalate
Concen: 4.464 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF118579.D
Acq: 18 Jan 2020 1:06

Tgt Ion:163 Resp: 211085
Ion Ratio Lower Upper
163 100
194 4.1 3.8 5.8
164 9.9 9.3 13.9

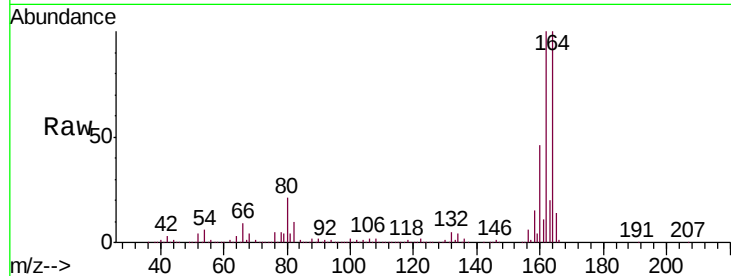




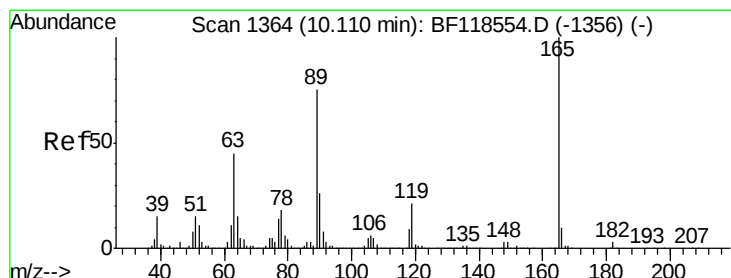
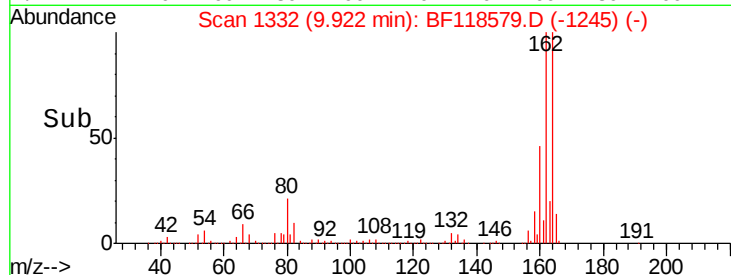
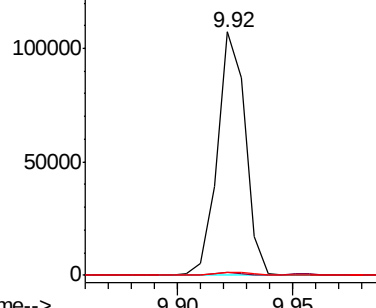
#51
 2,6-Dinitrotoluene
 Concen: 10.075 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.21 min
 Lab File: BF118579.D
 Acq: 18 Jan 2020 1:06

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	90895		
63	1.0	41.9	62.9#	
89	1.3	44.0	66.0#	



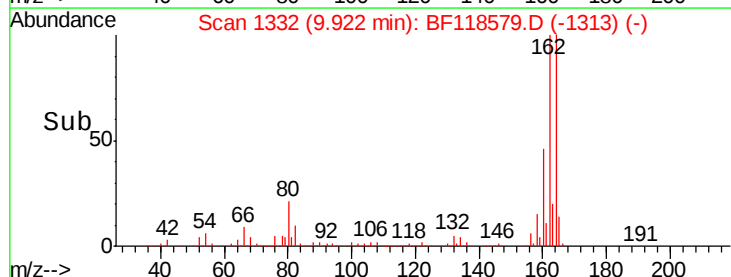
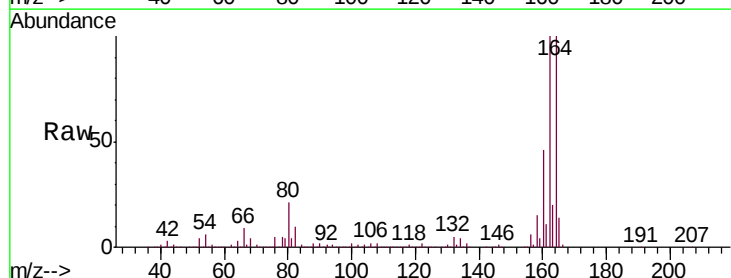
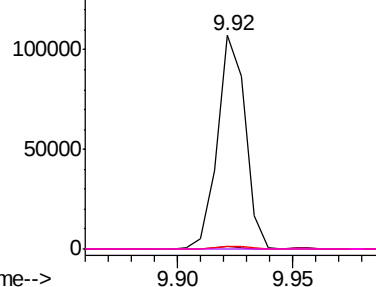
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

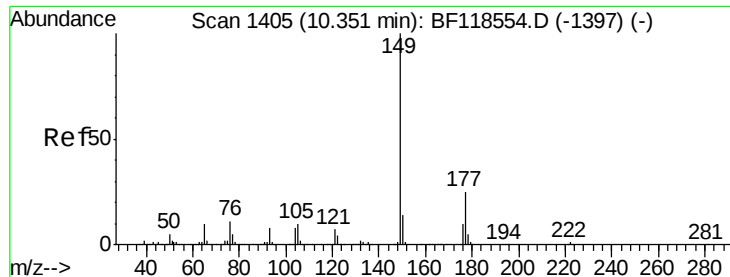


#57
 2,4-Dinitrotoluene
 Concen: 11.880 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.19 min
 Lab File: BF118579.D
 Acq: 18 Jan 2020 1:06

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	90895		
63	1.0	35.8	53.6#	
89	1.3	59.9	89.9#	
182	0.0	2.2	3.2#	

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

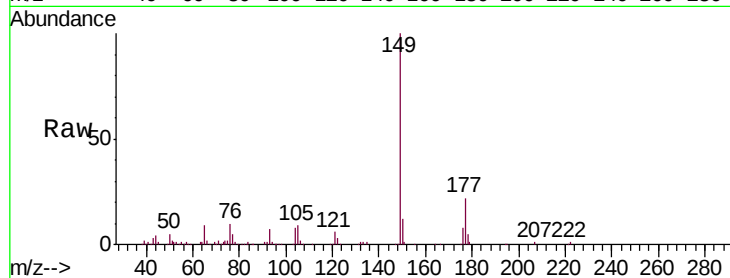




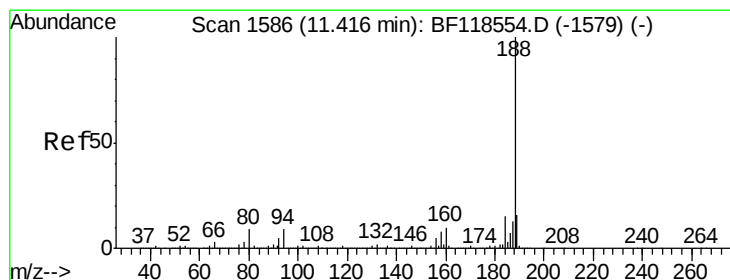
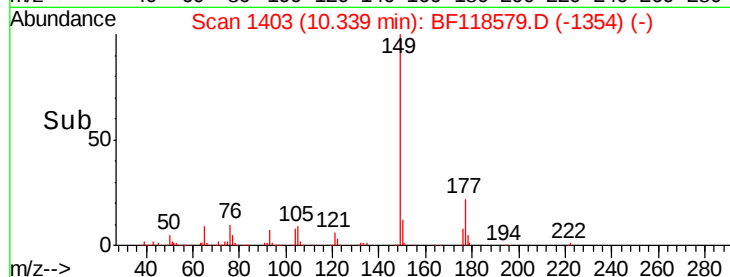
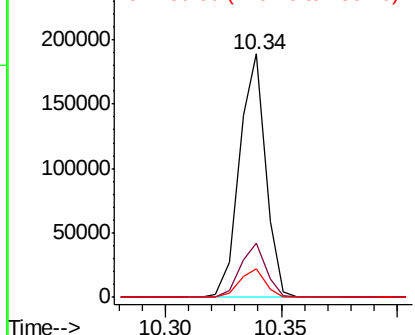
#60
Diethylphthalate
Concen: 3.234 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BF118579.D
Acq: 18 Jan 2020 1:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:149 Resp: 149282
Ion Ratio Lower Upper
149 100
177 22.2 20.2 30.4
150 11.7 11.0 16.4

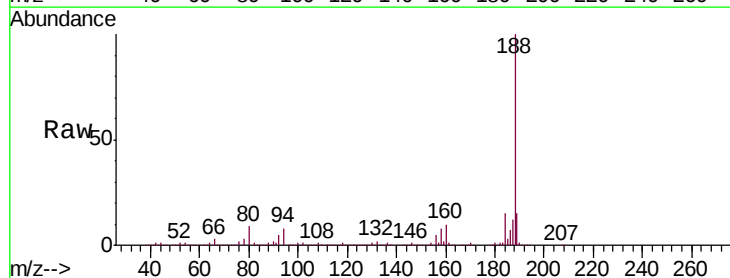


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

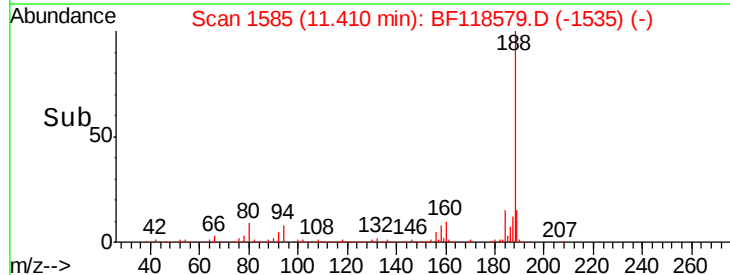
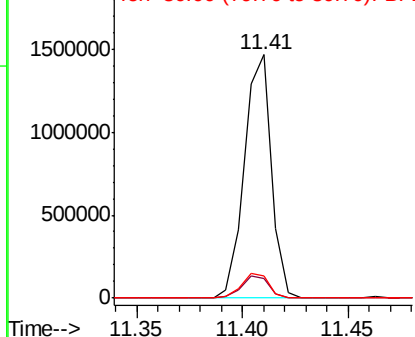


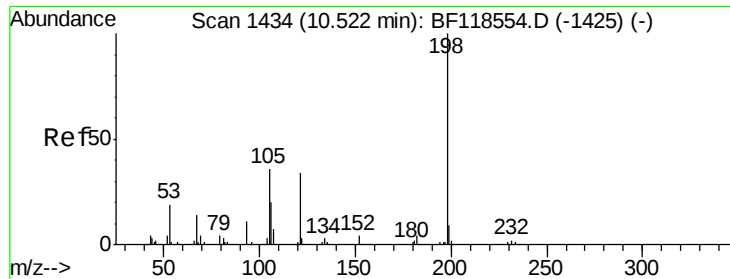
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF118579.D
Acq: 18 Jan 2020 1:06

Tgt Ion:188 Resp: 1297715
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.4
80 8.9 7.4 11.2



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: 10.099 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.19 min

Lab File: BF118579.D

Acq: 18 Jan 2020 1:06

Instrument :

BNA_F

ClientSampled :

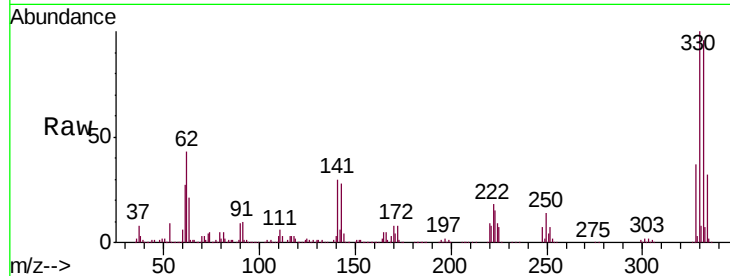
Tgt Ion:198 Resp: 2475

Ion Ratio Lower Upper

198 100

51 187.0 13.2 53.2#

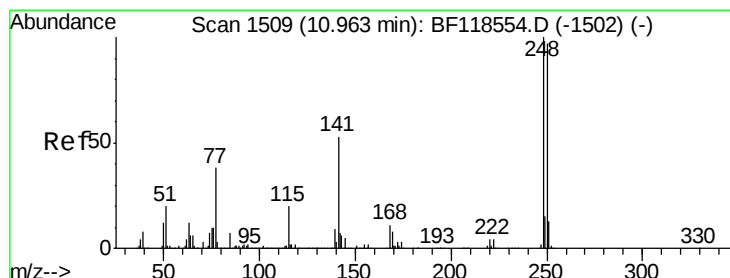
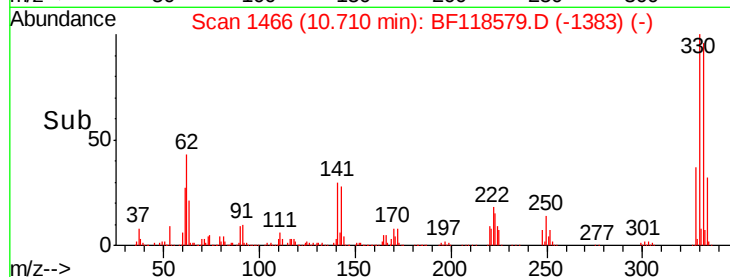
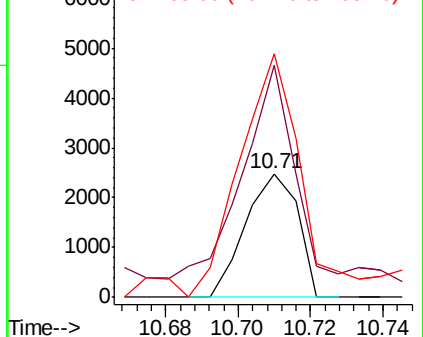
105 196.7 17.2 57.2#



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: 4.358 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.25 min

Lab File: BF118579.D

Acq: 18 Jan 2020 1:06

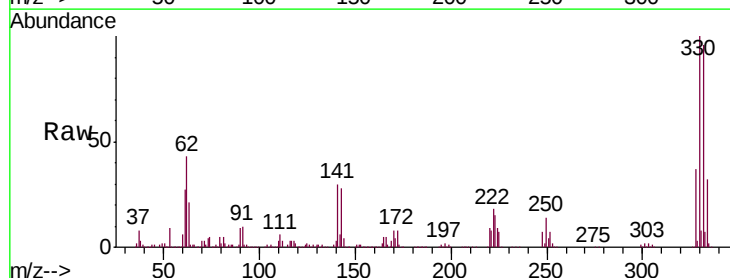
Tgt Ion:248 Resp: 75698

Ion Ratio Lower Upper

248 100

250 201.5 77.8 116.8#

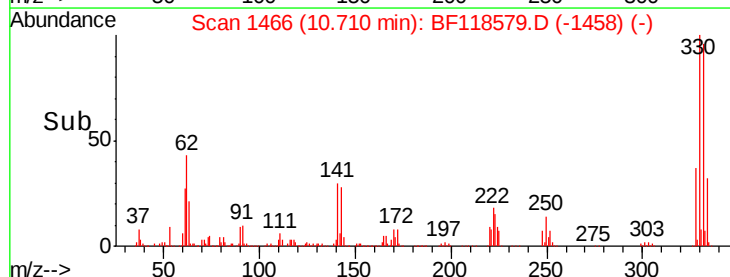
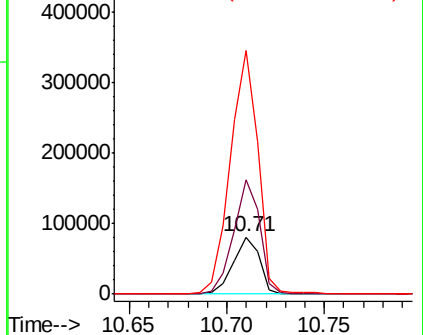
141 427.5 42.7 64.1#

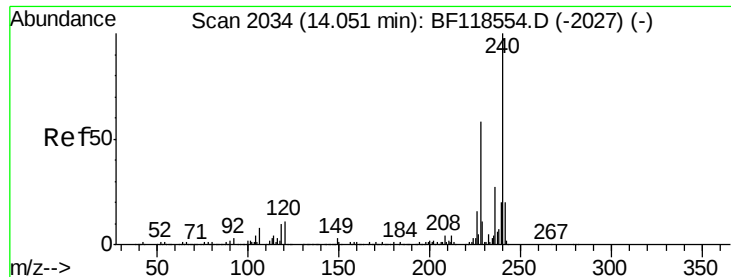


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

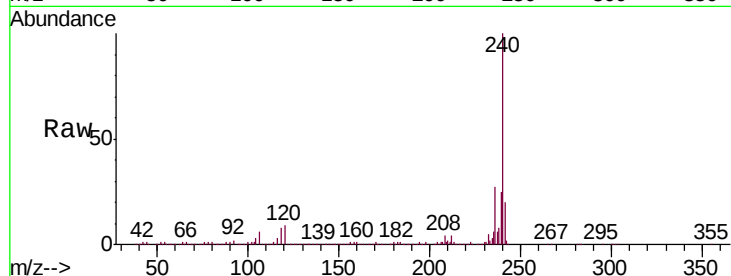




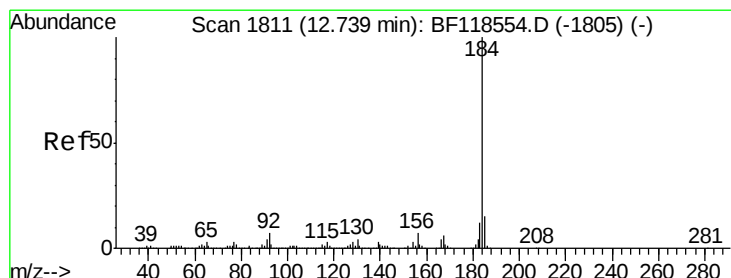
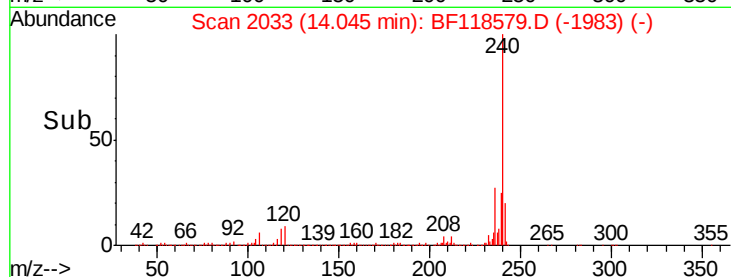
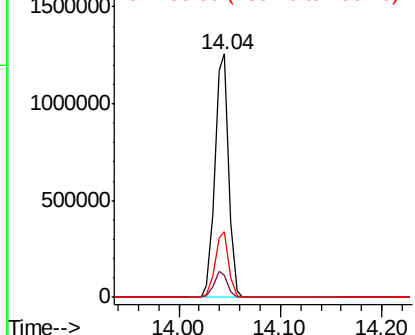
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118579.D
Acq: 18 Jan 2020 1:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 1186420
Ion Ratio Lower Upper
240 100
120 9.0 8.7 13.1
236 26.9 21.8 32.8

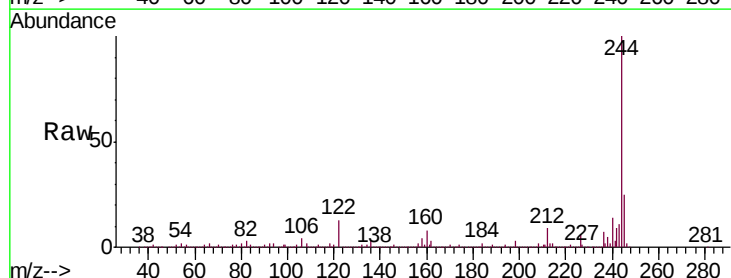


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

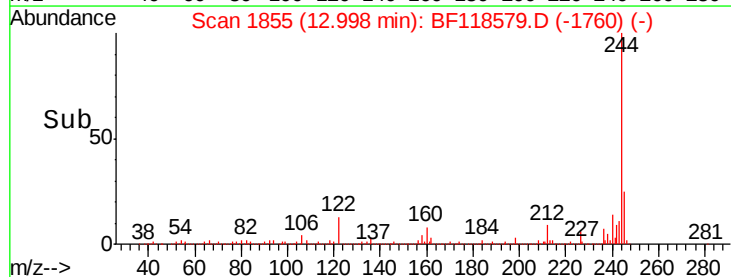
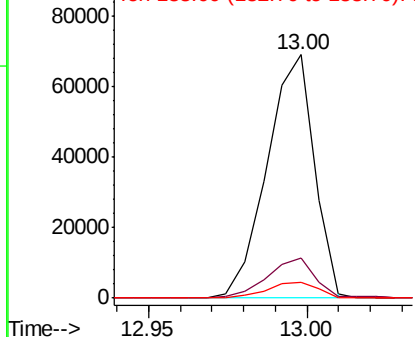


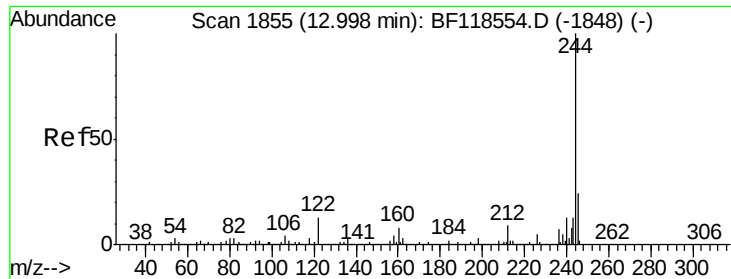
#77
Benzidine
Concen: 2.492 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.26 min
Lab File: BF118579.D
Acq: 18 Jan 2020 1:06

Tgt Ion:184 Resp: 71827
Ion Ratio Lower Upper
184 100
185 16.7 12.3 18.5
183 6.6 9.5 14.3#



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: 82.635 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF118579.D

Acq: 18 Jan 2020 1:06

Instrument :

BNA_F

ClientSampleId :

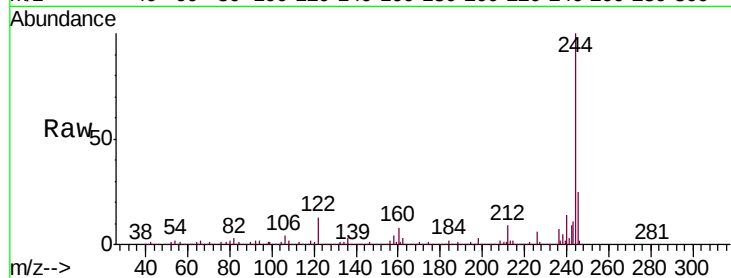
Tgt Ion:244 Resp: 4964213

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.4

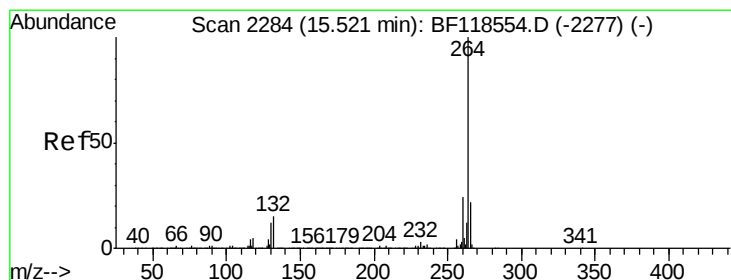
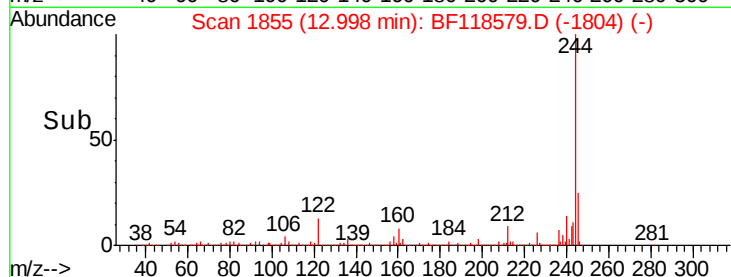
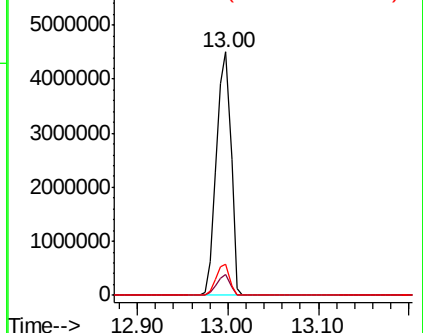
122 12.6 10.4 15.6



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: 15.52 min Scan# 2283

Delta R.T. -0.01 min

Lab File: BF118579.D

Acq: 18 Jan 2020 1:06

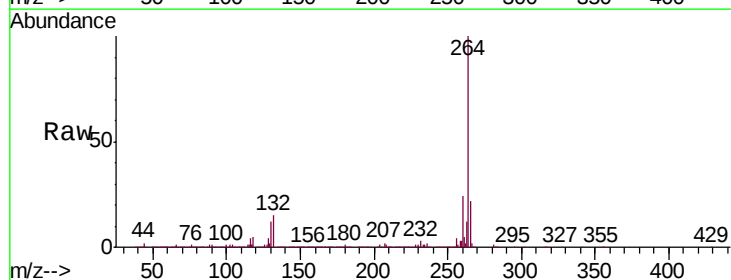
Tgt Ion:264 Resp: 1275906

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 21.7 17.6 26.4



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

