

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116776.D
 Acq On : 3 Sep 2019 16:58
 Operator : HP/JU
 Sample : K4554-23
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 01:26:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

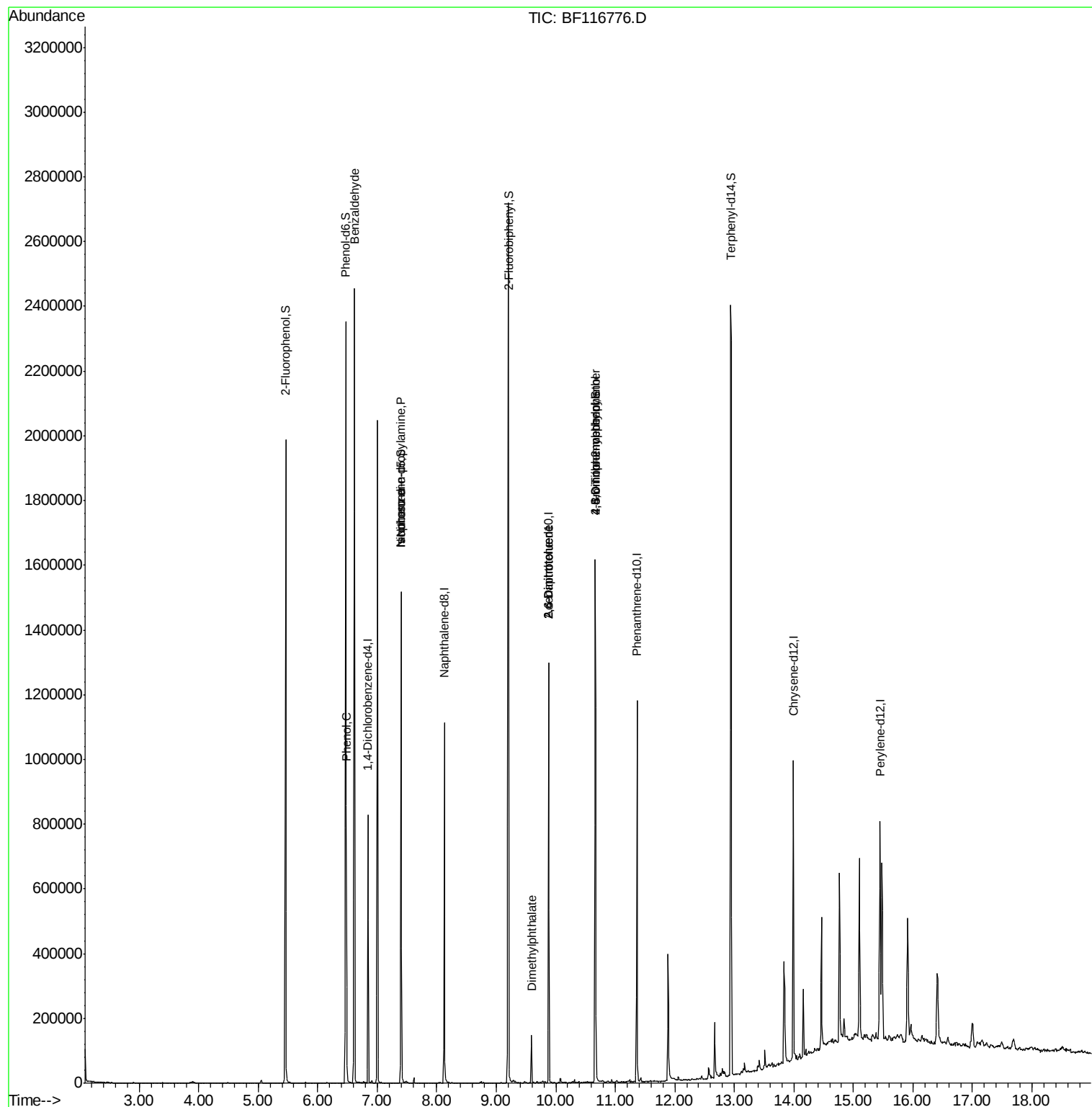
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	114117	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	457923	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	236094	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	398042	20.00	ng	0.00
76) Chrysene-d12	13.99	240	272346	20.00	ng	0.00
87) Perylene-d12	15.44	264	295026	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	588649	83.57	ng	0.00
7) Phenol-d6	6.47	99	795765	86.03	ng	0.00
23) Nitrobenzene-d5	7.40	82	483212	60.24	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	167066	105.85	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	828362	59.19	ng	0.00
79) Terphenyl-d14	12.94	244	810891	55.08	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	13986	2.295	ng	81
10) Phenol	6.49	94	73074	7.135	ng	87
19) n-Nitroso-di-n-propylamine	7.40	70	62835	10.317	ng	# 71
25) Isophorone	7.40	82	483206	29.728	ng	# 66
50) Dimethylphthalate	9.59	163	57849	3.549	ng	99
51) 2,6-Dinitrotoluene	9.88	165	29950	9.631	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	29950	7.876	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	528	7.755	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	10277	2.542	ng	# 1

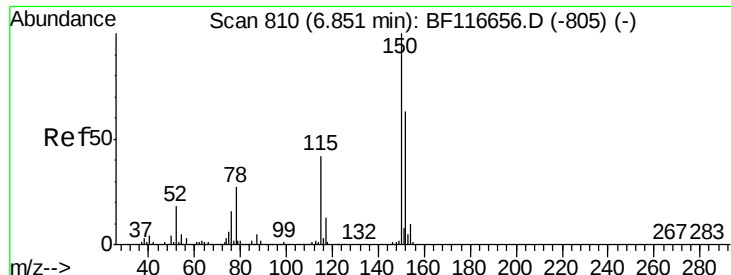
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF116776.D

Acq: 3 Sep 2019 16:58

Instrument :

BNA_F

ClientSampleId :

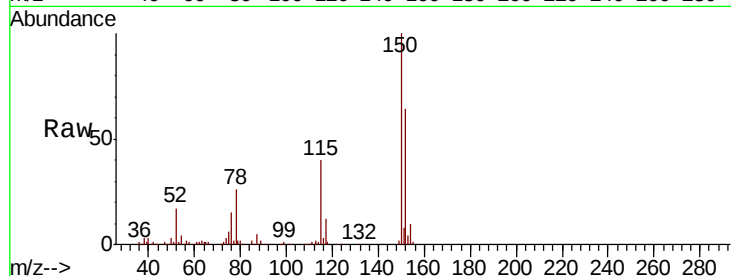
Tot Ion:152 Resp: 114117

Ion Ratio Lower Upper

152 100

150 156.5 124.4 186.6

115 63.1 49.9 74.9

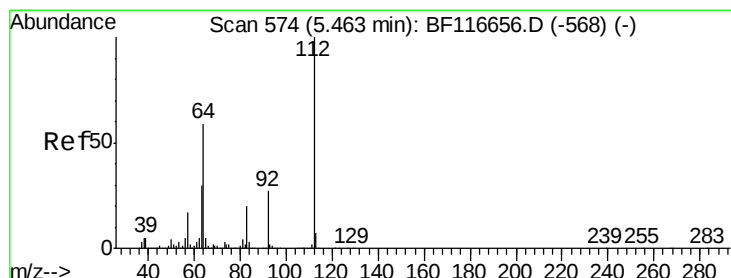
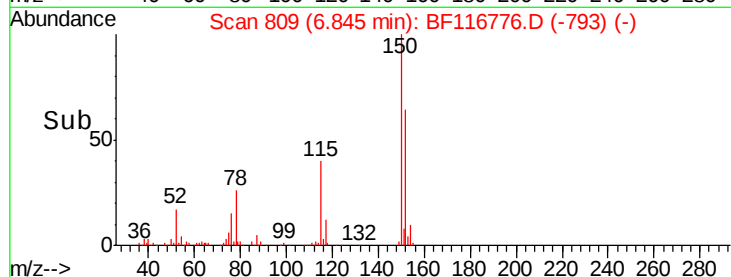
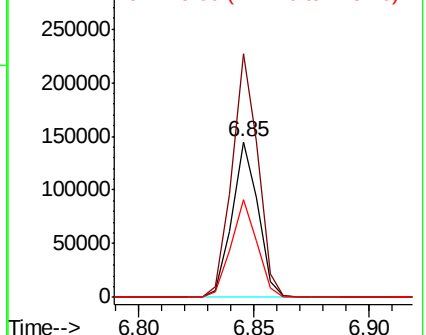


Abundance

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: 83.567 ng

RT: 5.46 min Scan# 574

Delta R.T. 0.00 min

Lab File: BF116776.D

Acq: 3 Sep 2019 16:58

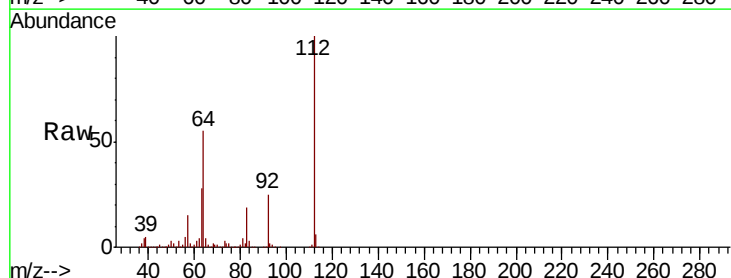
Tgt Ion:112 Resp: 588649

Ion Ratio Lower Upper

112 100

64 55.3 47.1 70.7

63 27.5 24.9 37.3

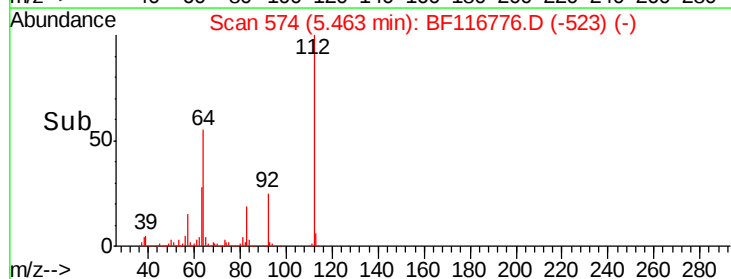
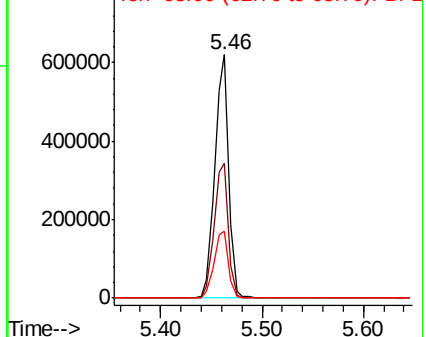


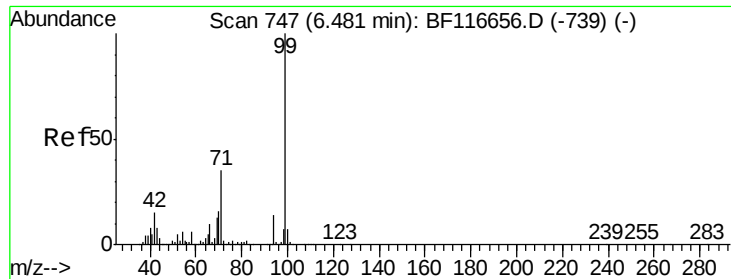
Abundance

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: 86.033 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116776.D

Acq: 3 Sep 2019 16:58

Instrument :

BNA_F

ClientSampleId :

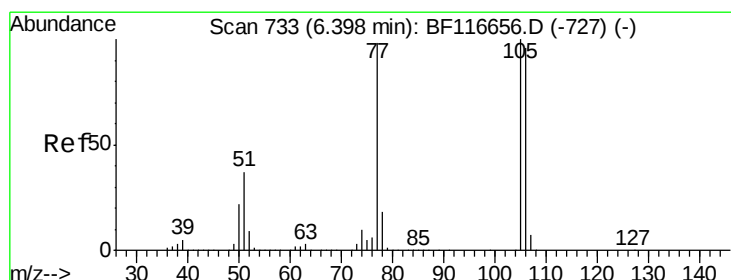
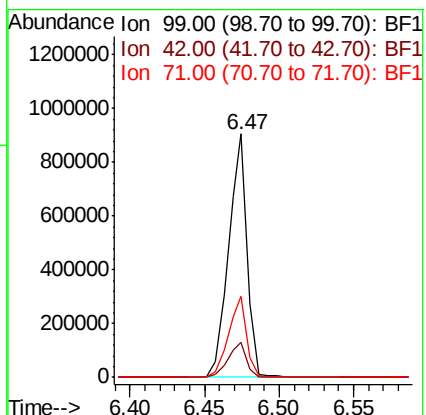
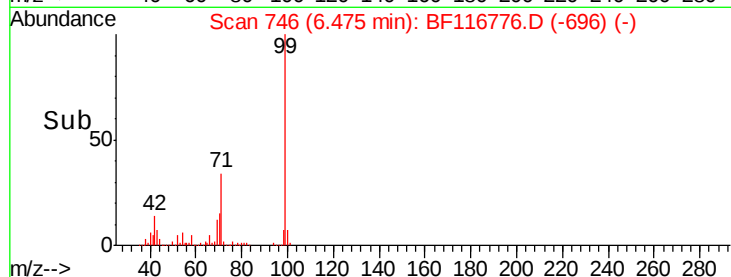
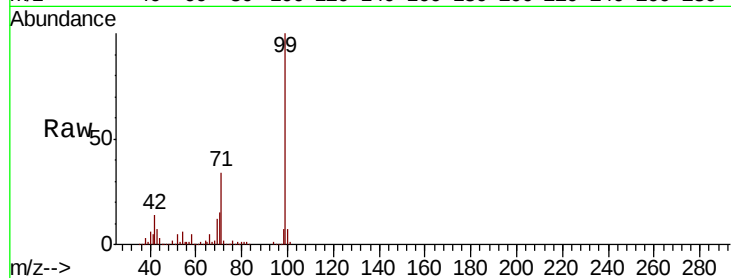
Tot Ion: 99 Resp: 795765

Ion Ratio Lower Upper

99 100

42 14.3 13.7 20.5

71 33.5 30.8 46.2



#9

Benzaldehyde

Concen: 2.295 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.22 min

Lab File: BF116776.D

Acq: 3 Sep 2019 16:58

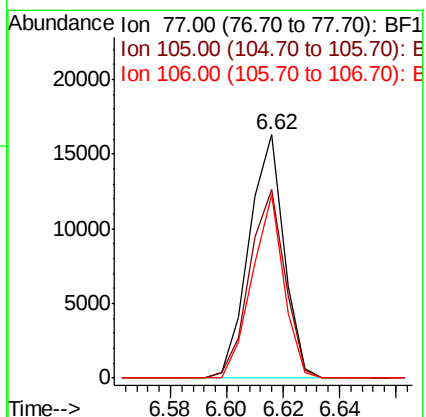
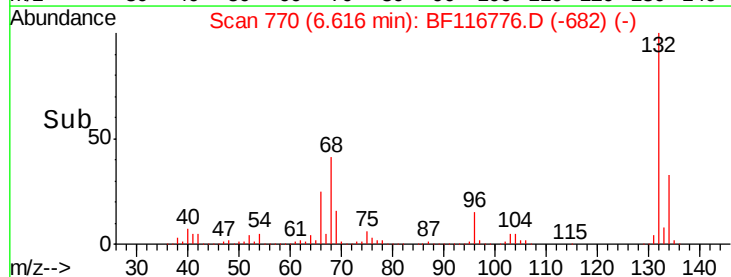
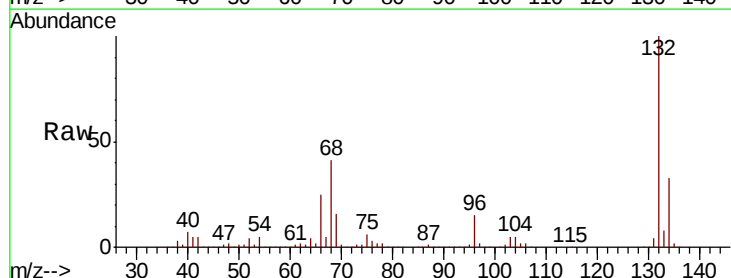
Tgt Ion: 77 Resp: 13986

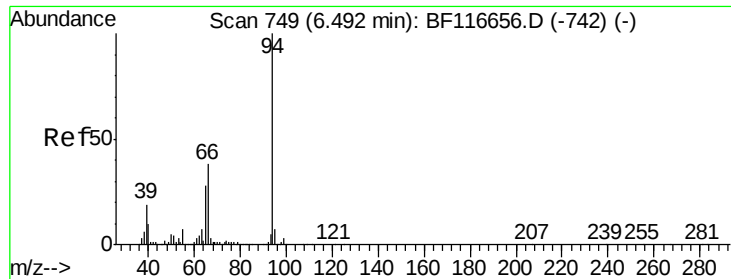
Ion Ratio Lower Upper

77 100

105 77.7 76.7 116.7

106 75.1 73.1 113.1





#10

Phenol

Concen: 7.135 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116776.D

Acq: 3 Sep 2019 16:58

Instrument :

BNA_F

ClientSampled :

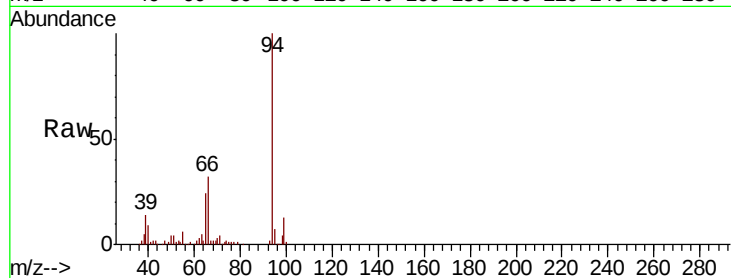
Tot Ion: 94 Resp: 73074

Ion Ratio Lower Upper

94 100

65 24.5 10.8 50.8

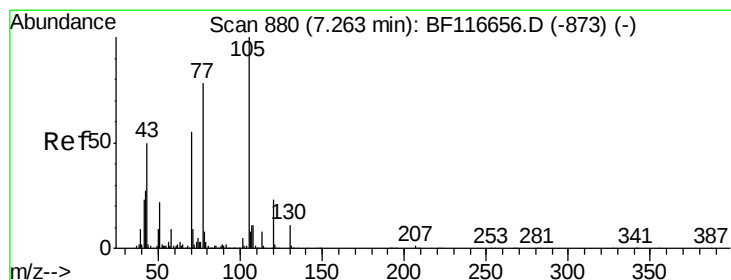
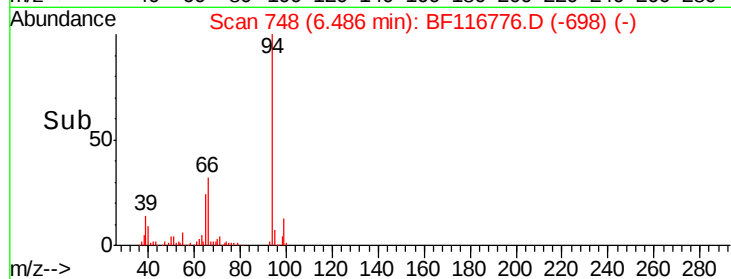
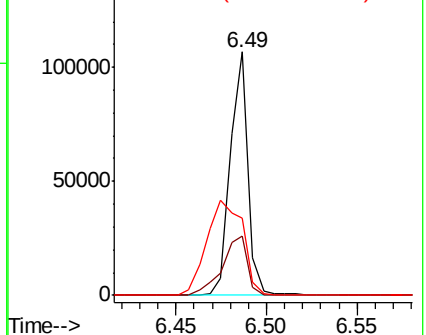
66 31.8 21.1 61.1



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: 10.317 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116776.D

Acq: 3 Sep 2019 16:58

Tgt Ion: 70 Resp: 62835

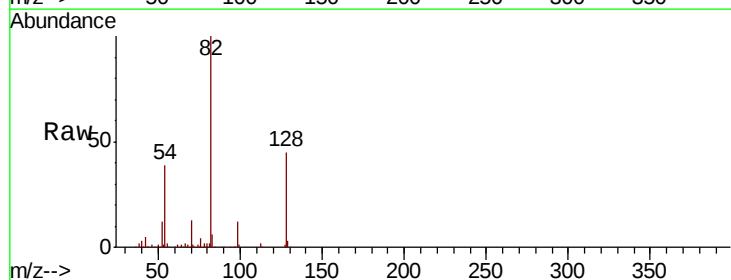
Ion Ratio Lower Upper

70 100

42 35.8 43.5 65.3#

101 0.0 7.8 11.6#

130 2.3 16.6 24.8#

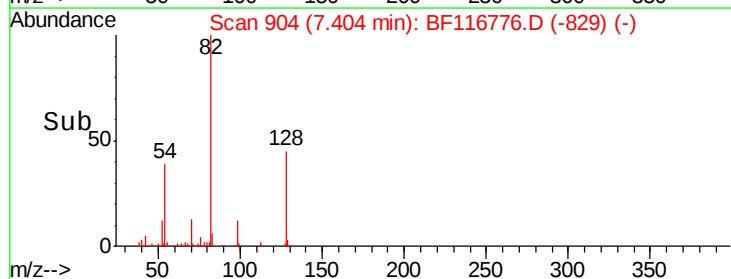
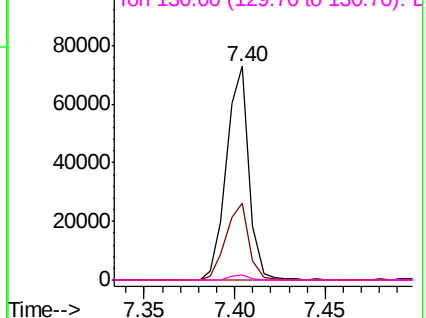


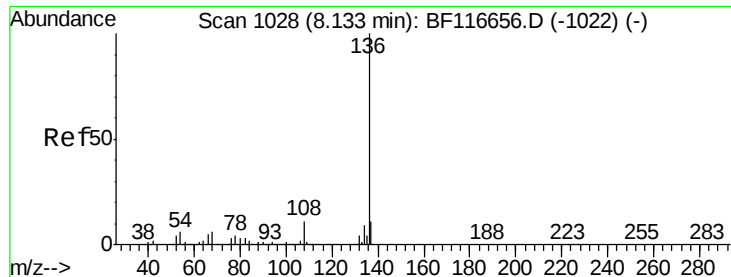
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

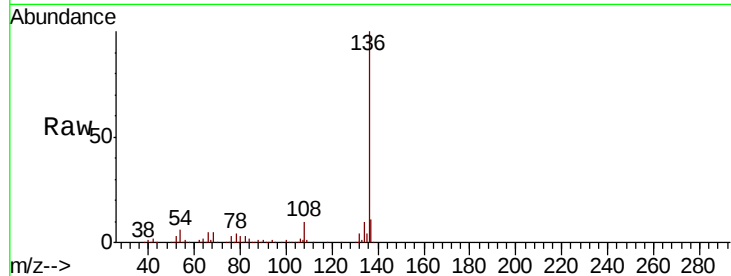




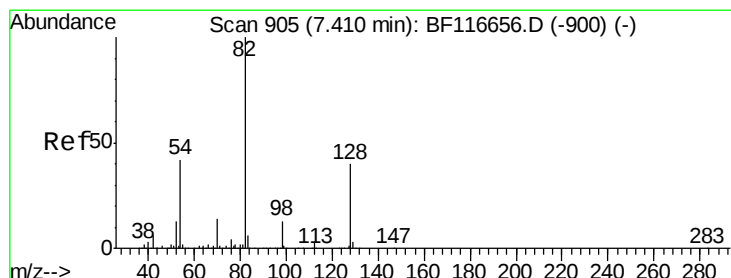
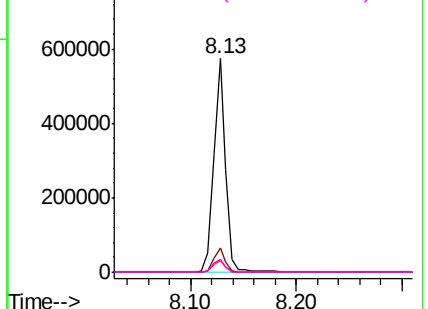
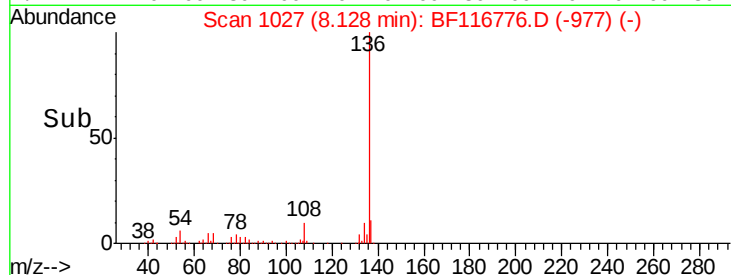
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116776.D
Acq: 3 Sep 2019 16:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	457923
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	6.2	4.8 7.2
68	5.4	4.0 6.0

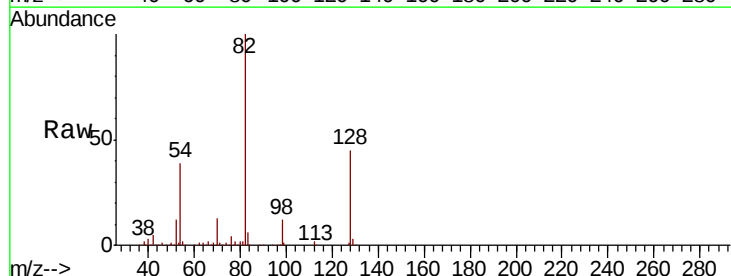


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

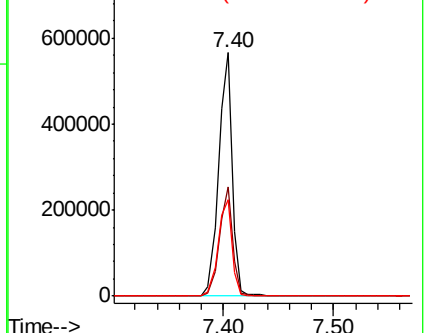
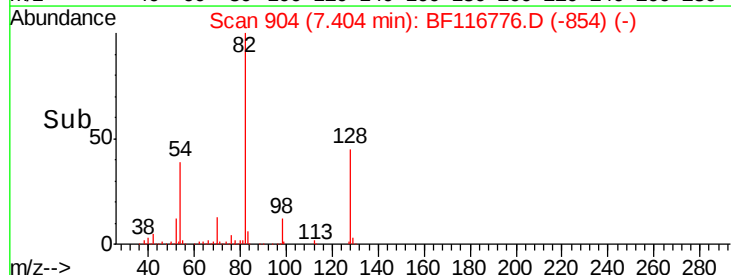


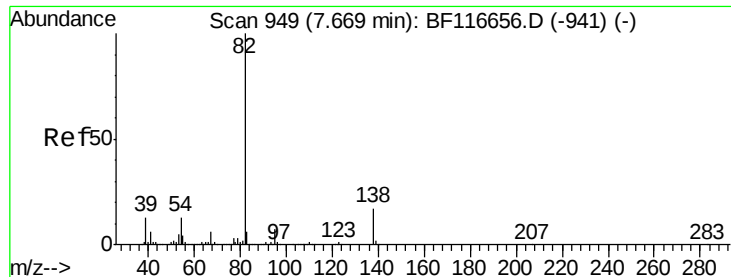
#23
Nitrobenzene-d5
Concen: 60.240 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116776.D
Acq: 3 Sep 2019 16:58

Tgt Ion: 82	Resp:	483212
Ion Ratio	Lower	Upper
82	100	
128	44.9	32.8 49.2
54	39.4	36.9 55.3



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: 29.728 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116776.D

Acq: 3 Sep 2019 16:58

Instrument :

BNA_F

ClientSampleId :

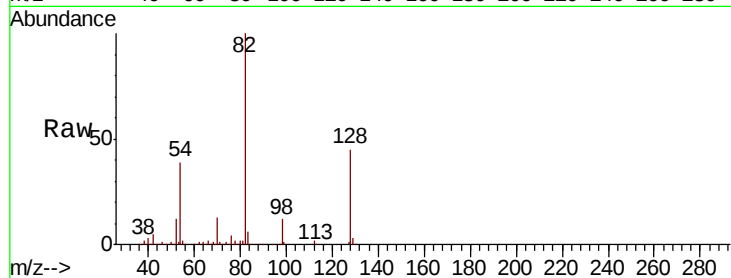
Tot Ion: 82 Resp: 483206

Ion Ratio Lower Upper

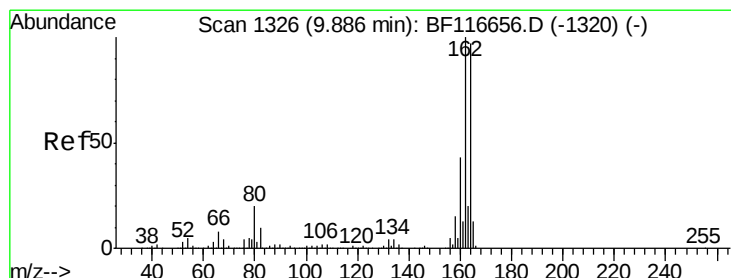
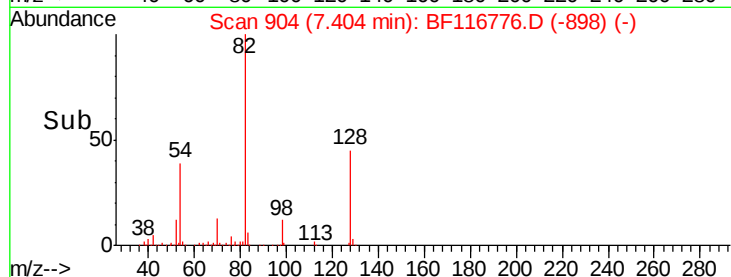
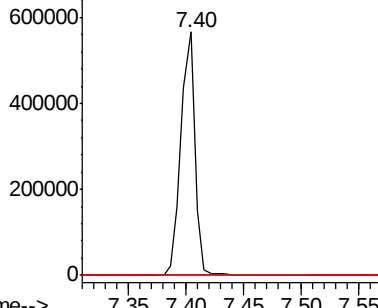
82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116776.D

Acq: 3 Sep 2019 16:58

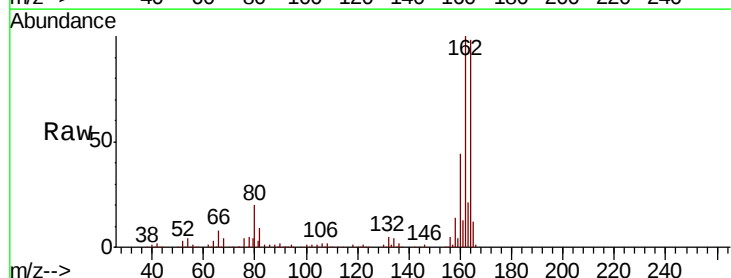
Tgt Ion:164 Resp: 236094

Ion Ratio Lower Upper

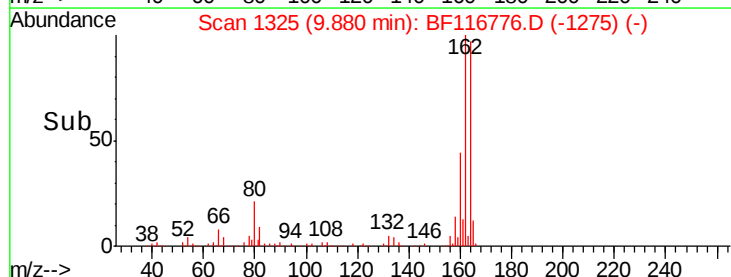
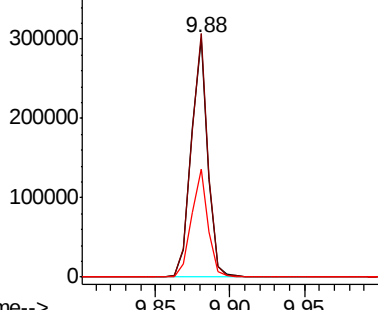
164 100

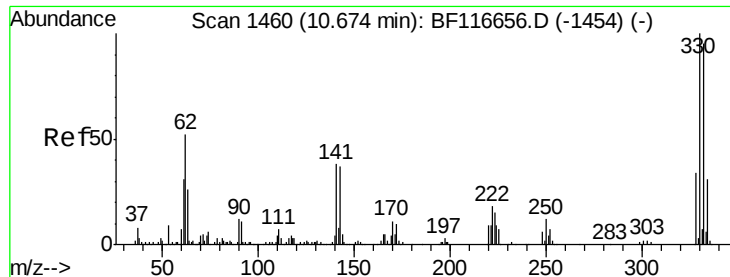
162 101.9 81.4 122.0

160 45.1 35.4 53.2



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

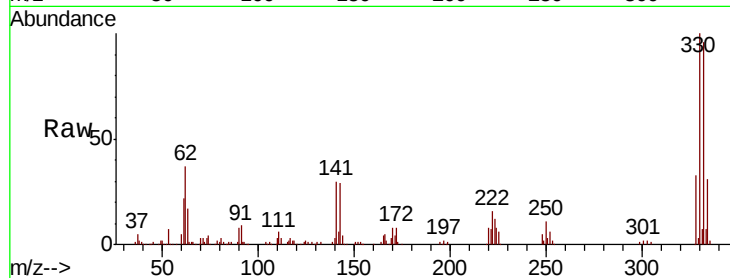




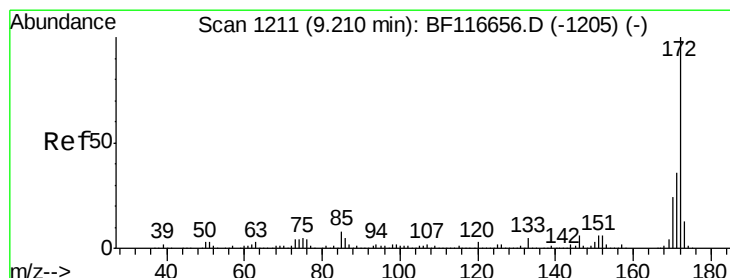
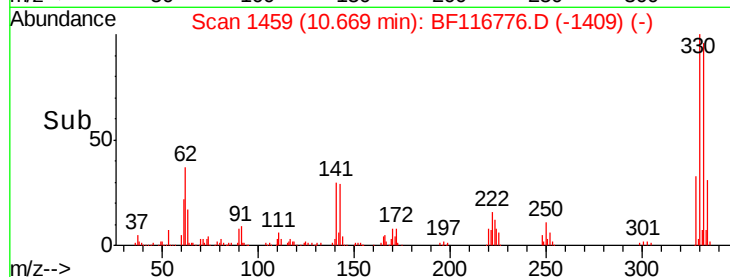
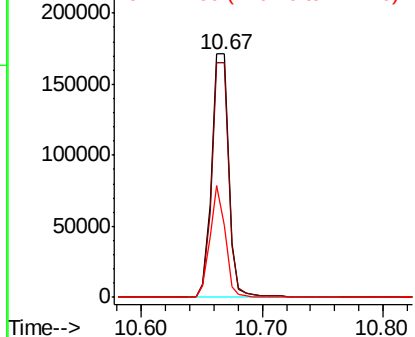
#42
 2,4,6-Tribromophenol
 Concen: 105.849 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116776.D
 Acq: 3 Sep 2019 16:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.9	115.3
141	41.2	31.4	47.2

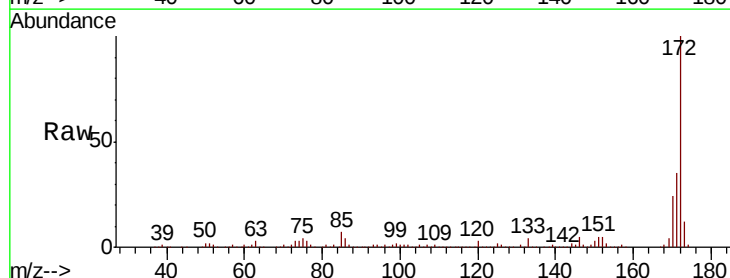


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

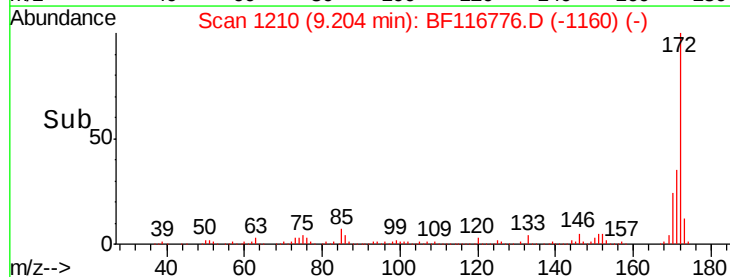
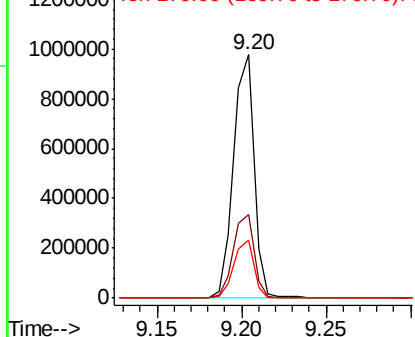


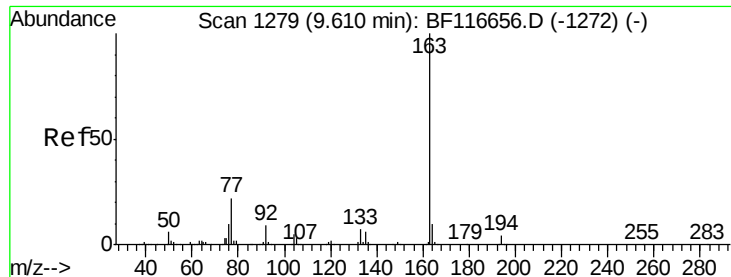
#45
 2-Fluorobiphenyl
 Concen: 59.187 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116776.D
 Acq: 3 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	23.8	18.9	28.3



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: 3.549 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116776.D

Acq: 3 Sep 2019 16:58

Instrument :

BNA_F

ClientSampleId :

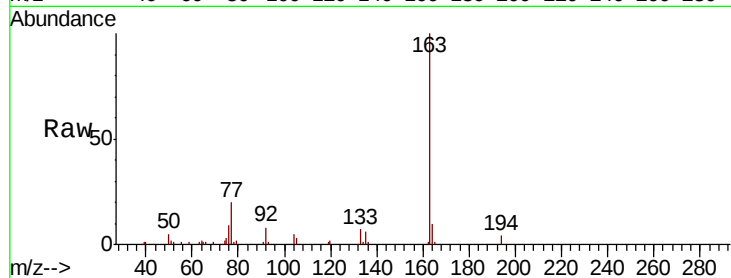
Tot Ion:163 Resp: 57849

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

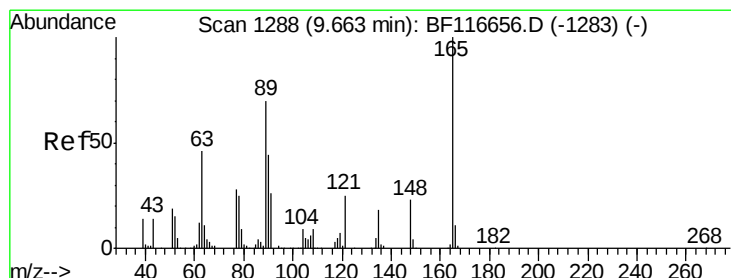
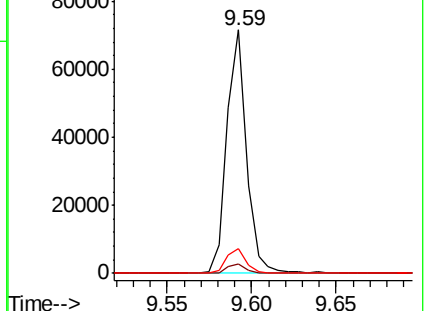
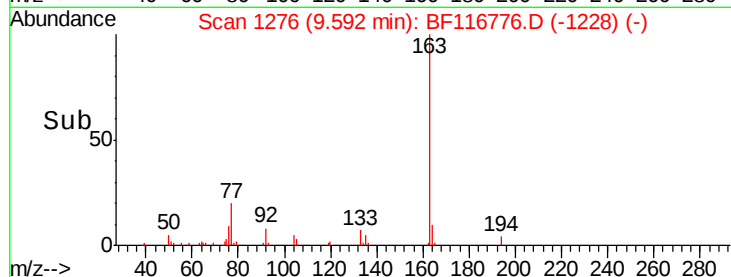
164 10.2 8.6 12.8



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: 9.631 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.22 min

Lab File: BF116776.D

Acq: 3 Sep 2019 16:58

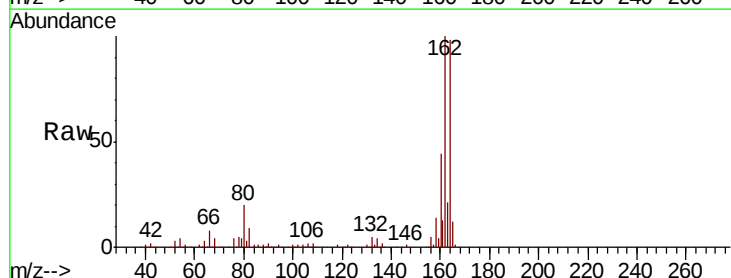
Tgt Ion:165 Resp: 29950

Ion Ratio Lower Upper

165 100

63 0.9 47.3 70.9#

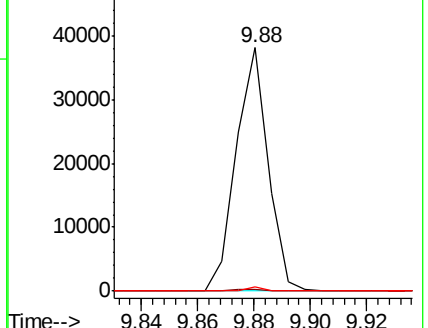
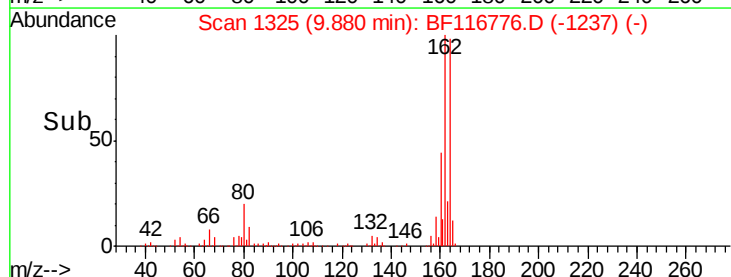
89 1.8 52.5 78.7#

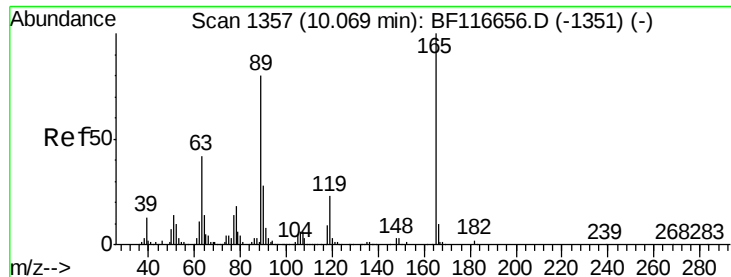


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

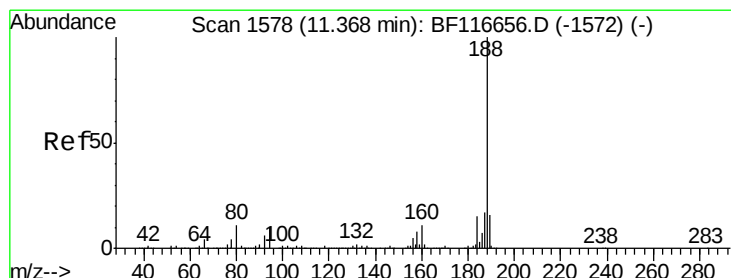
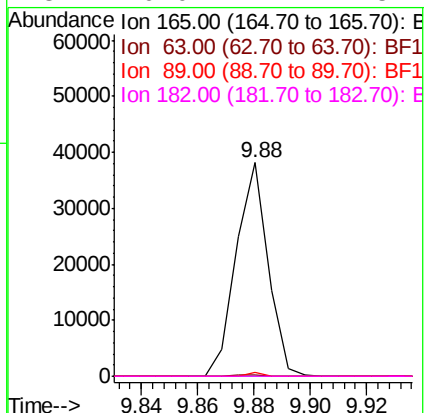
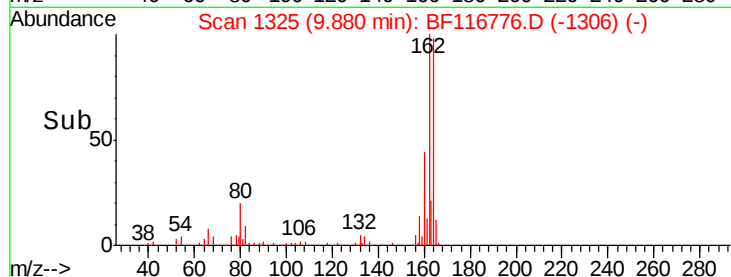
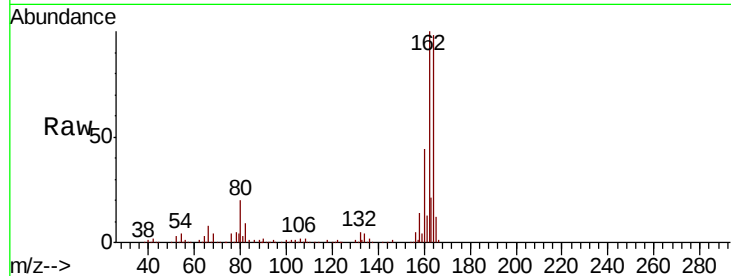




#57
 2,4-Dinitrotoluene
 Concen: 7.876 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116776.D
 Acq: 3 Sep 2019 16:58

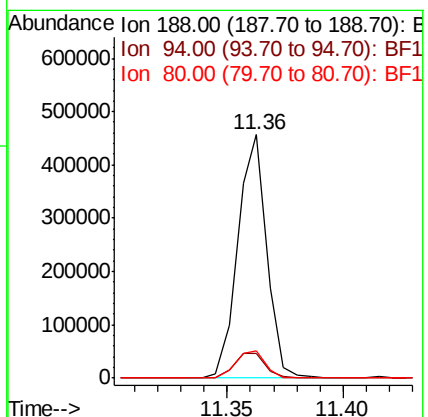
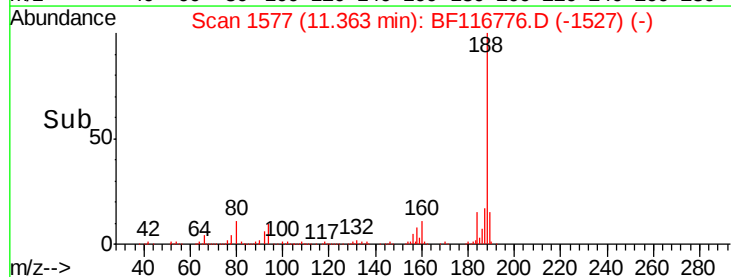
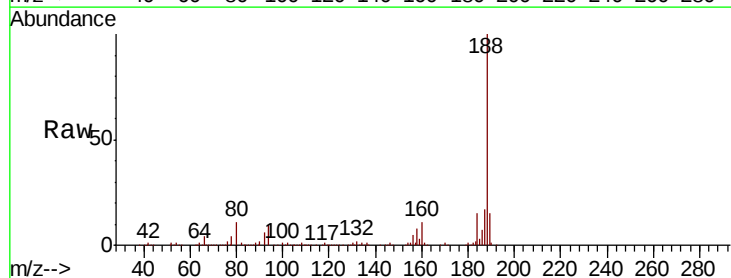
Instrument :
 BNA_F
 ClientSampleId :

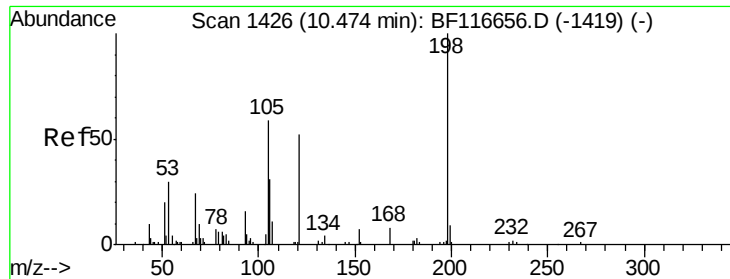
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.4	54.6#
89	1.8	62.6	94.0#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116776.D
 Acq: 3 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.3	10.9
80	11.3	8.4	12.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.755 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116776.D

Acq: 3 Sep 2019 16:58

Instrument :

BNA_F

ClientSampled :

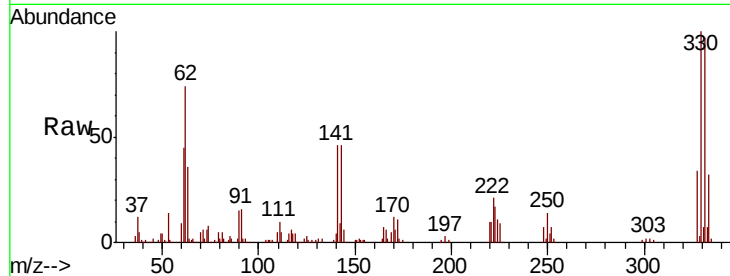
Tot Ion:198 Resp: 528

Ion Ratio Lower Upper

198 100

51 131.1 18.4 58.4#

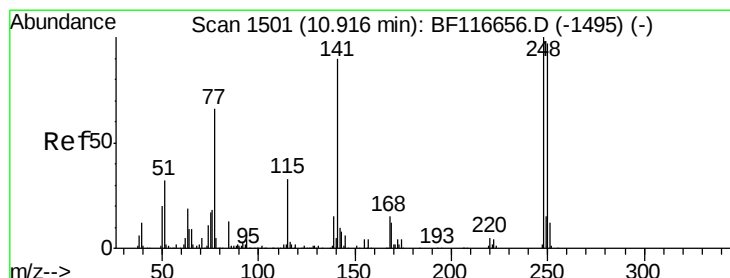
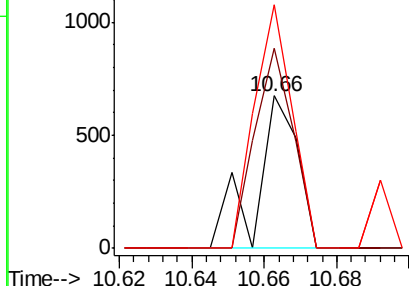
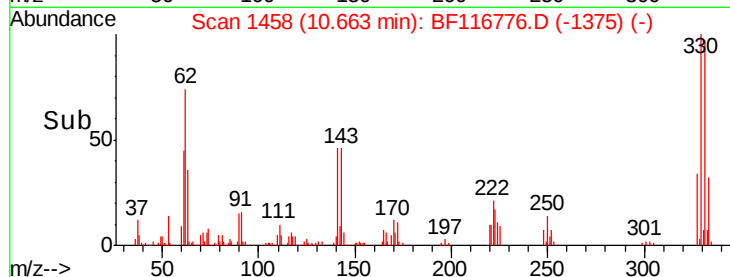
105 159.9 22.9 62.9#



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: 2.542 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF116776.D

Acq: 3 Sep 2019 16:58

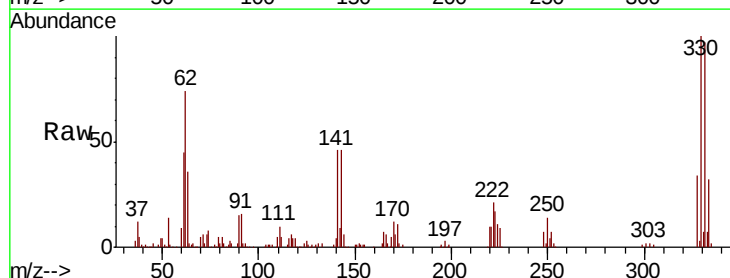
Tgt Ion:248 Resp: 10277

Ion Ratio Lower Upper

248 100

250 200.8 77.8 116.8#

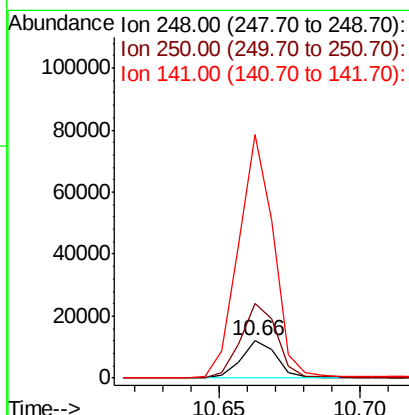
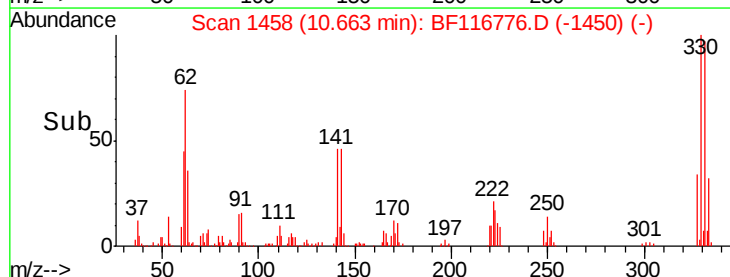
141 657.7 75.9 113.9#

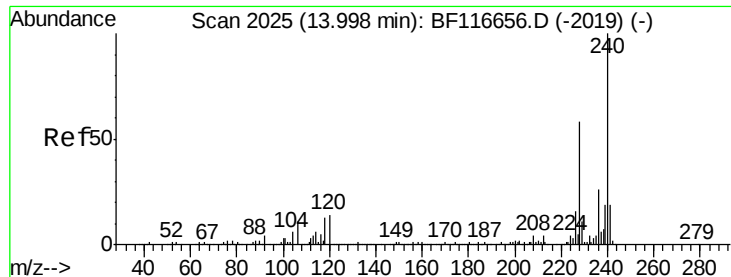


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

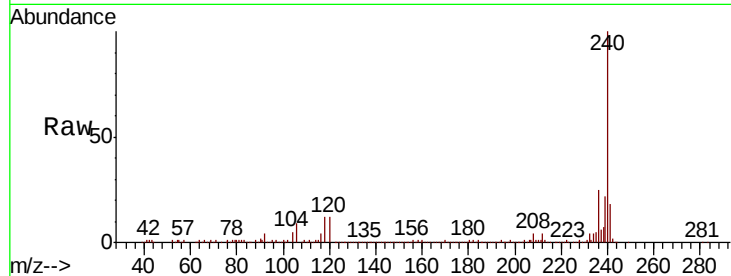




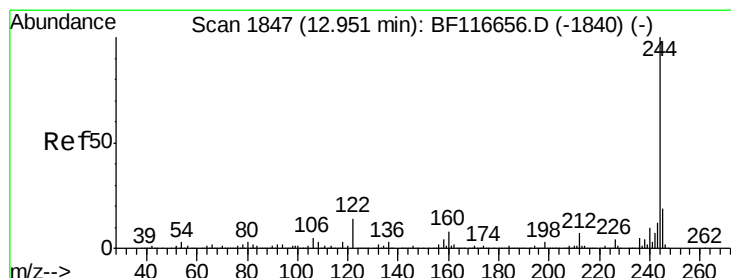
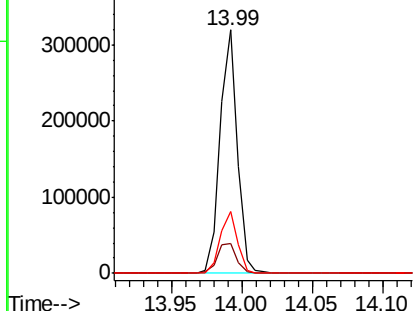
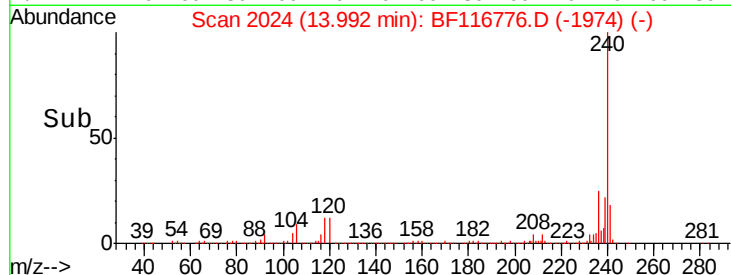
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116776.D
Acq: 3 Sep 2019 16:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 272346
Ion Ratio Lower Upper
240 100
120 12.4 9.1 13.7
236 25.3 21.1 31.7

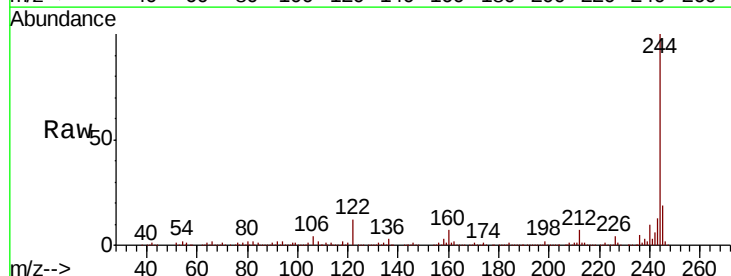


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

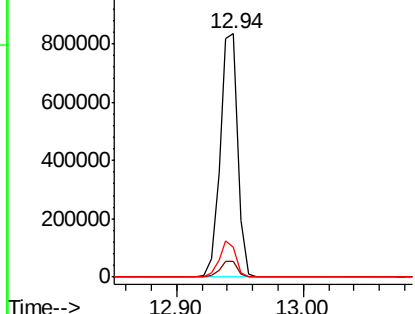
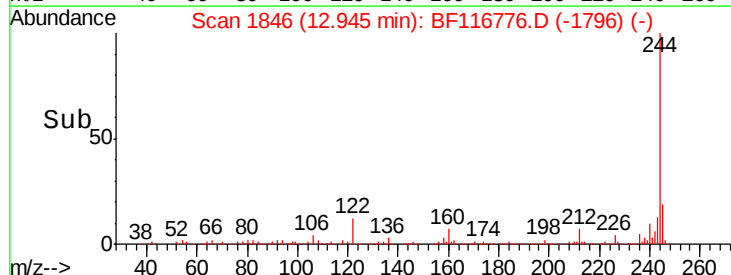


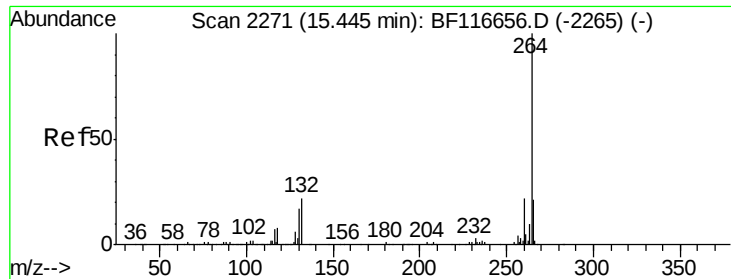
#79
Terphenyl-d14
Concen: 55.081 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116776.D
Acq: 3 Sep 2019 16:58

Tgt Ion:244 Resp: 810891
Ion Ratio Lower Upper
244 100
212 6.7 6.1 9.1
122 12.0 10.2 15.4



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: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116776.D
Acq: 3 Sep 2019 16:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.3	27.5
265	21.1	16.5	24.7

