

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112078.D
 Acq On : 17 Jan 2019 9:59
 Operator : JU/SJ
 Sample : K1147-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Jan 17 10:34:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 18:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	288122	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1097305	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	558520	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	1093631	20.00	ng	0.00
76) Chrysene-d12	14.02	240	813410	20.00	ng	-0.01
87) Perylene-d12	15.50	264	669966	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1873688	118.03	ng	0.00
7) Phenol-d6	6.51	99	2373429	119.50	ng	0.00
23) Nitrobenzene-d5	7.42	82	1464784	92.23	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	789096	130.97	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2838099	74.50	ng	0.00
79) Terphenyl-d14	12.97	244	3154445	82.50	ng	0.00

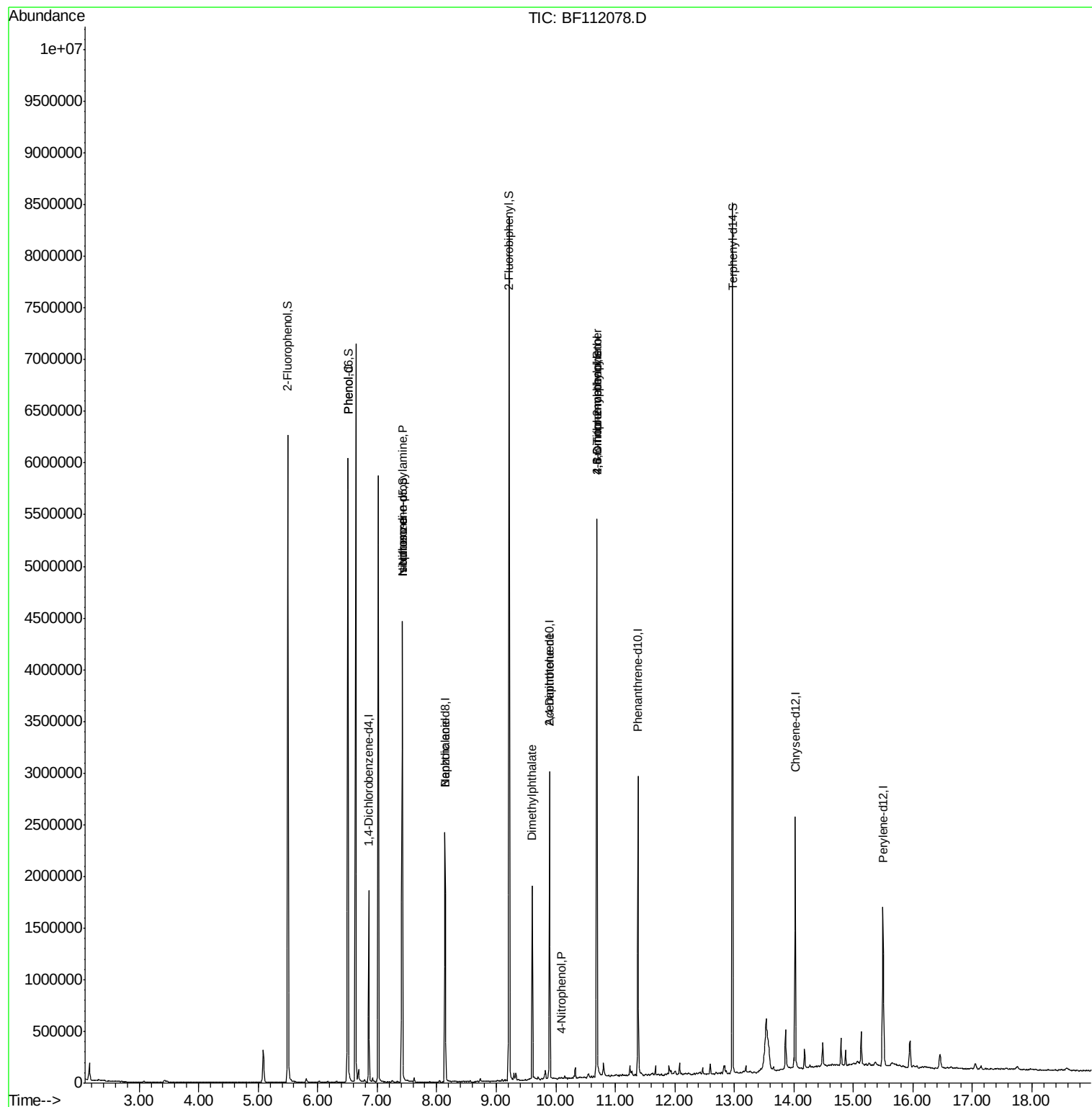
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.51	77	4576	Below Cal		# 5
10) Phenol	6.52	94	55624	2.563	ng	# 92
19) n-Nitroso-di-n-propylamine	7.42	70	198479	16.404	ng	# 78
25) Isophorone	7.42	82	1464767	47.747	ng	# 64
32) Benzoic acid	8.14	122	268	7.213	ng	# 1
50) Dimethylphthalate	9.61	163	805210	19.769	ng	# 99
56) 4-Nitrophenol	10.10	139	381	5.709	ng	# 1
57) 2,4-Dinitrotoluene	9.90	165	72699	10.879	ng	# 32
65) 4,6-Dinitro-2-methylphenol	10.69	198	1690	10.362	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	47195	3.715	ng	# 1

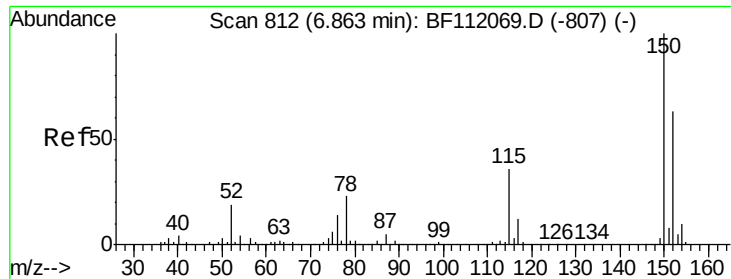
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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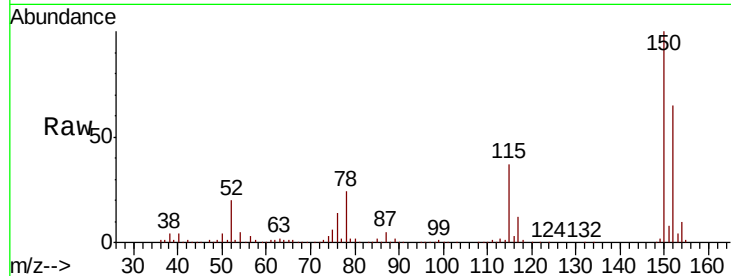


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF112078.D
Acq: 17 Jan 2019 9:59

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	127.4	191.0
115	57.0	45.5	68.3

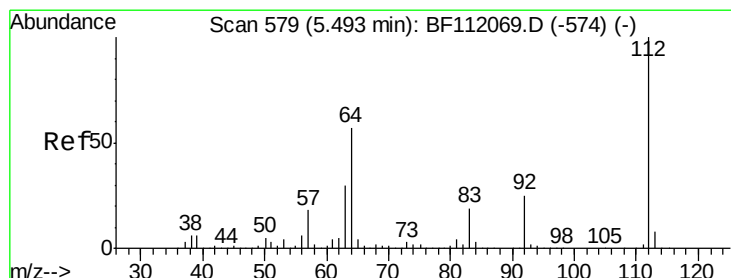
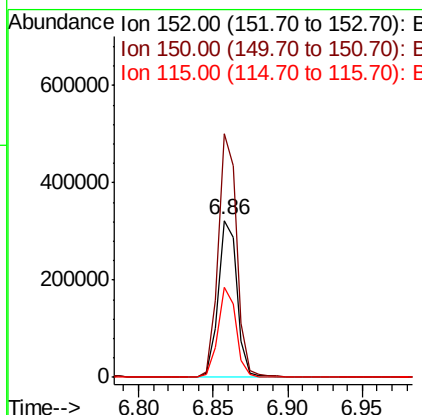
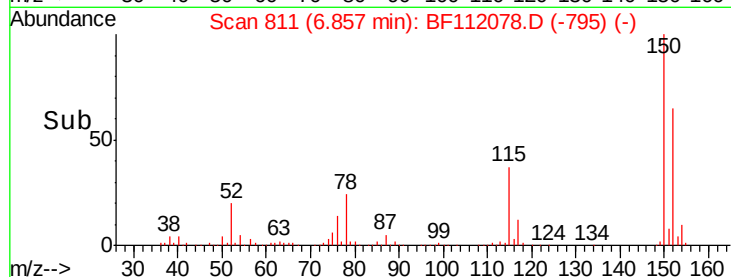


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

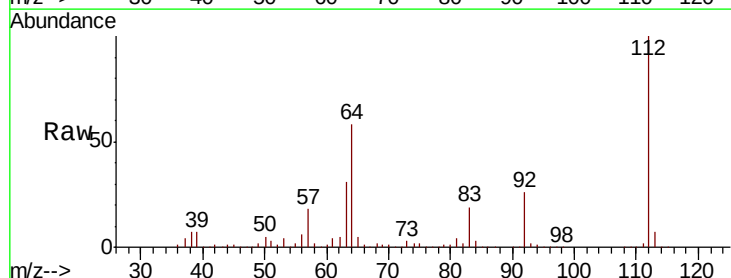
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 118.034 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF112078.D
Acq: 17 Jan 2019 9:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	45.7	68.5
63	30.5	23.6	35.4

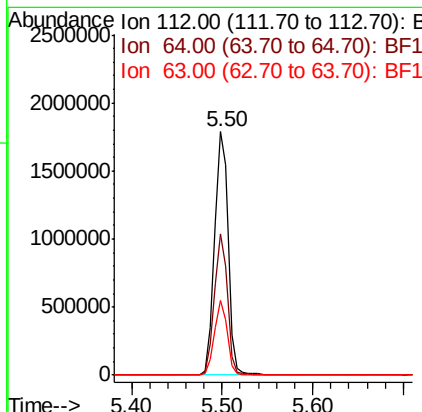
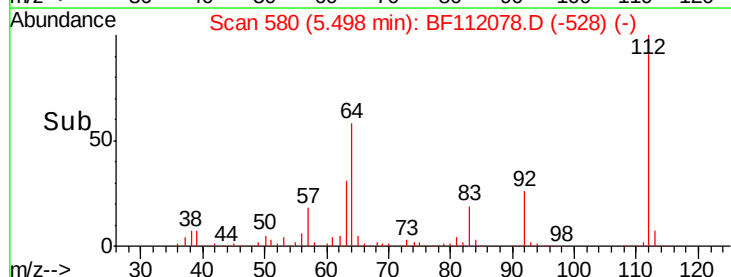


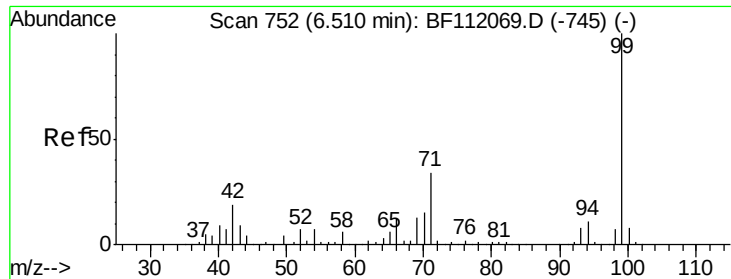
Abundance

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: 119.502 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF112078.D

Acq: 17 Jan 2019 9:59

Instrument :

BNA_F

ClientSampled :

TP-3

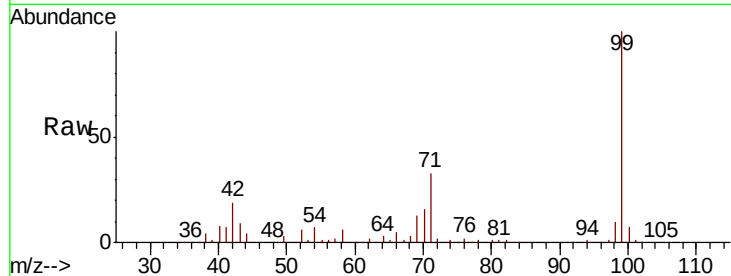
Tot Ion: 99 Resp: 2373429

Ion Ratio Lower Upper

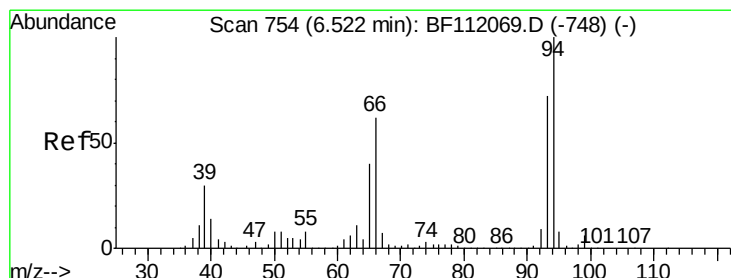
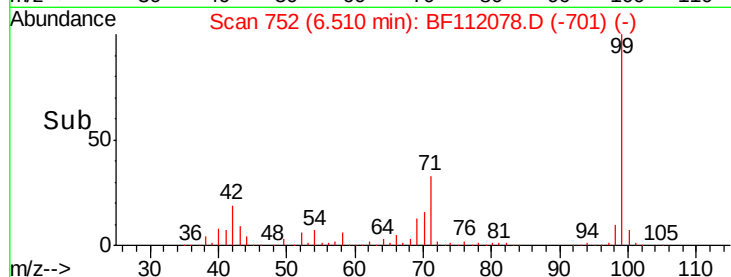
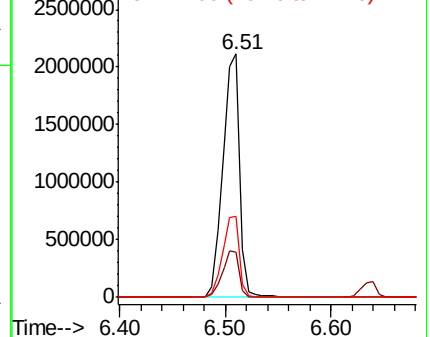
99 100

42 18.7 15.1 22.7

71 33.4 26.9 40.3



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: 2.563 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF112078.D

Acq: 17 Jan 2019 9:59

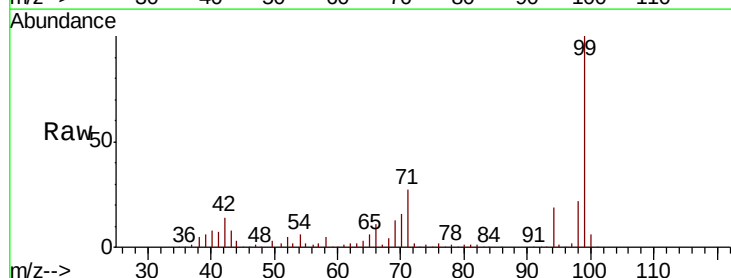
Tgt Ion: 94 Resp: 55624

Ion Ratio Lower Upper

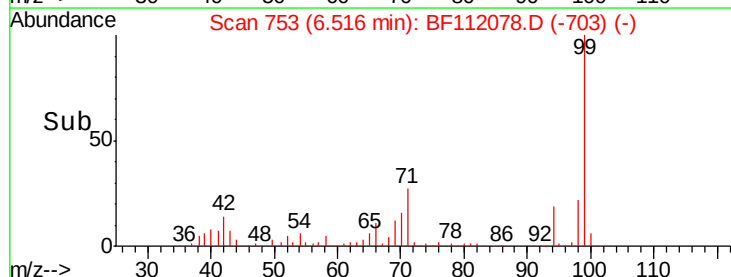
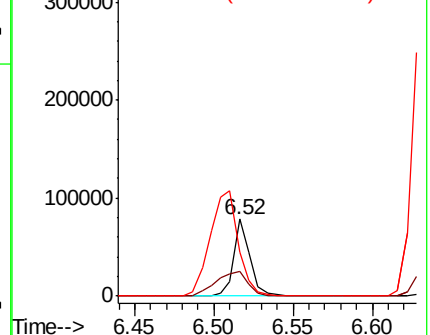
94 100

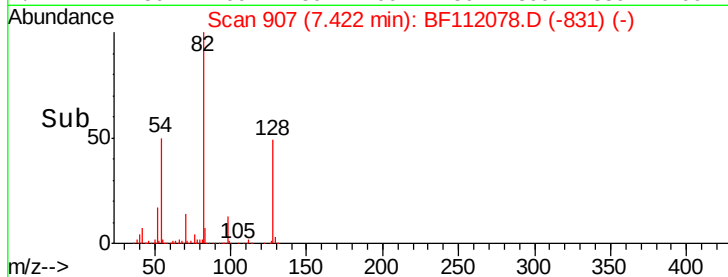
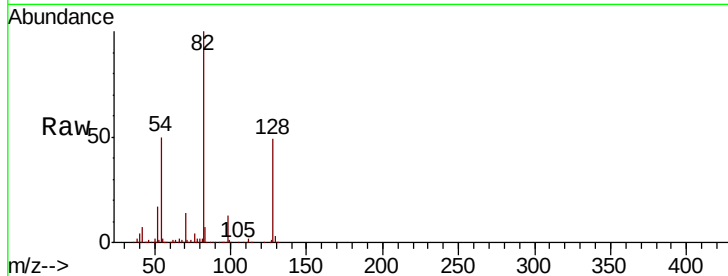
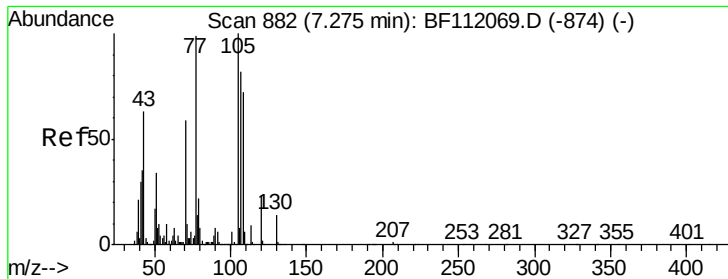
65 33.0 20.3 60.3

66 58.2 42.4 82.4



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

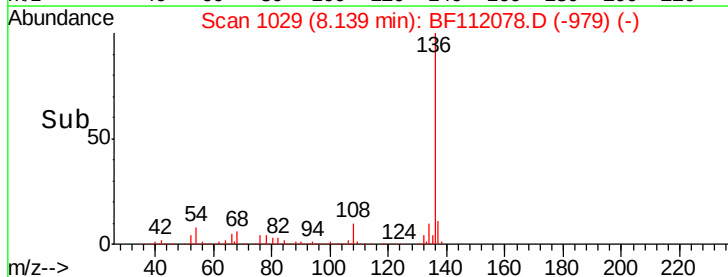
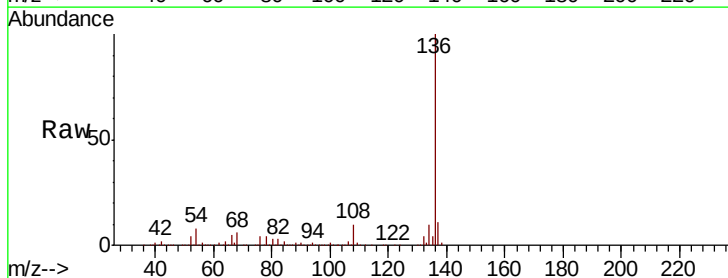
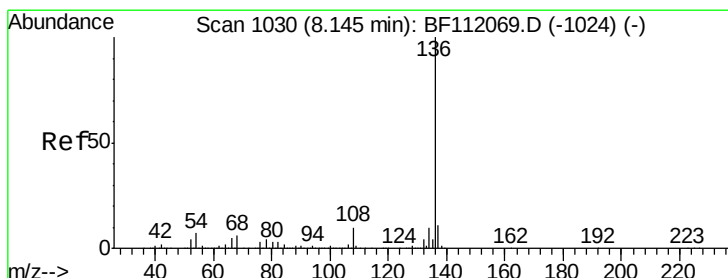
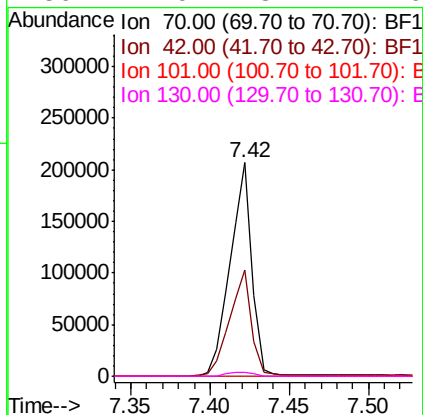




#19
n-Nitroso-di-n-propylamine
Concen: 16.404 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.15 min
Lab File: BF112078.D
Acq: 17 Jan 2019 9:59

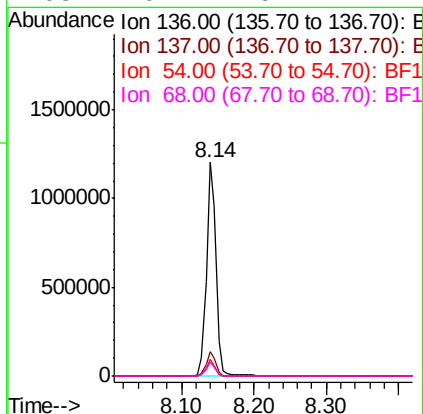
Instrument :
BNA_F
ClientSampleId :
TP-3

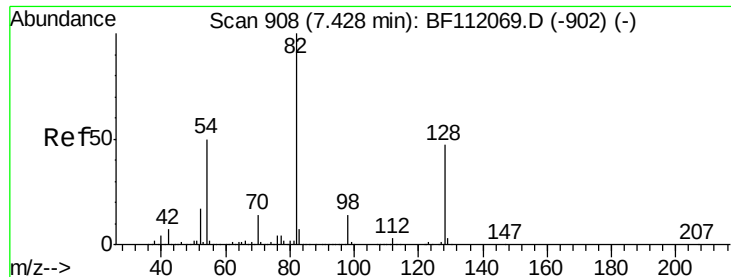
Tot Ion: 70 Resp: 198479
Ion Ratio Lower Upper
70 100
42 49.5 47.6 71.4
101 0.0 7.9 11.9#
130 2.0 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112078.D
Acq: 17 Jan 2019 9:59

Tgt Ion:136 Resp: 1097305
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 7.7 5.9 8.9
68 6.4 5.1 7.7

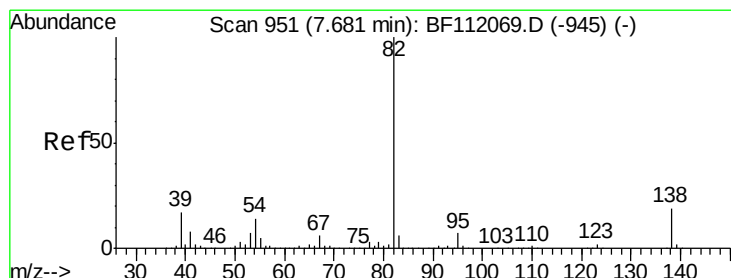
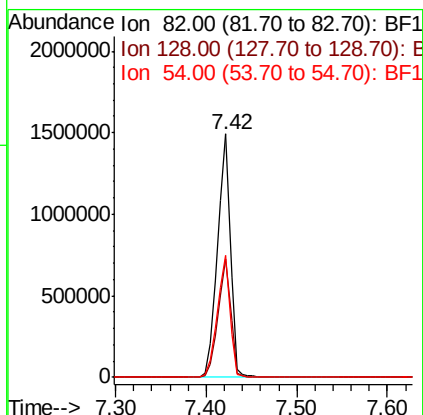
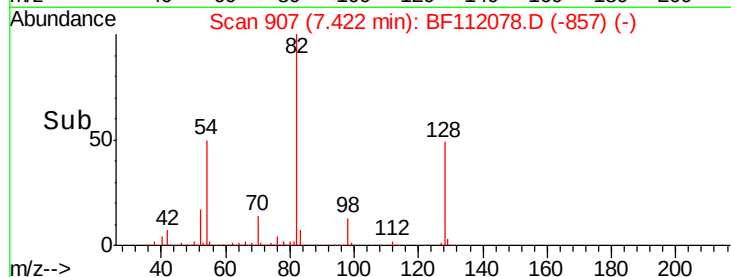
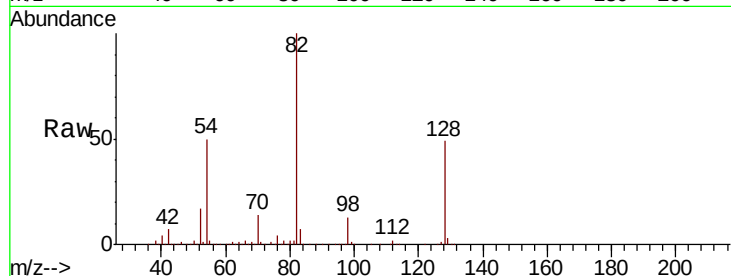




#23
Nitrobenzene-d5
Concen: 92.226 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF112078.D
Acq: 17 Jan 2019 9:59

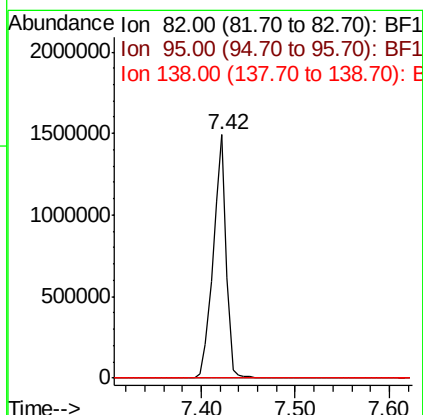
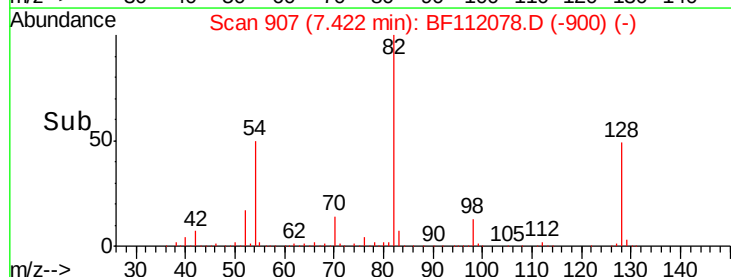
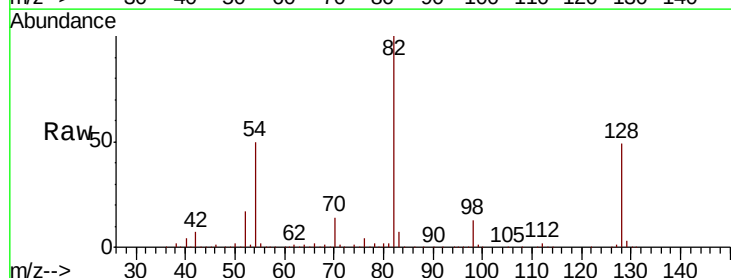
Instrument :
BNA_F
ClientSampled :
TP-3

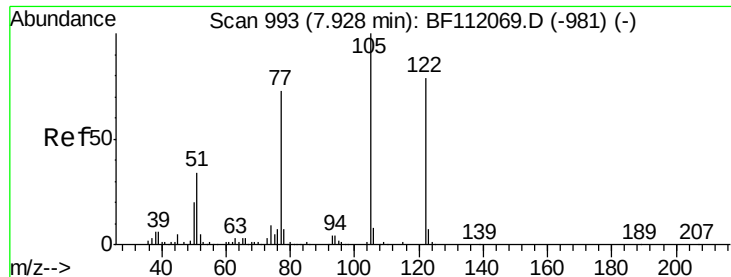
Tot Ion: 82 Resp: 1464784
Ion Ratio Lower Upper
82 100
128 48.6 37.8 56.8
54 50.1 39.7 59.5



#25
Isophorone
Concen: 47.747 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.26 min
Lab File: BF112078.D
Acq: 17 Jan 2019 9:59

Tgt Ion: 82 Resp: 1464767
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.4 23.0#





#32

Benzoic acid

Concen: 7.213 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.21 min

Lab File: BF112078.D

Acq: 17 Jan 2019 9:59

Instrument :

BNA_F

ClientSampleId :

TP-3

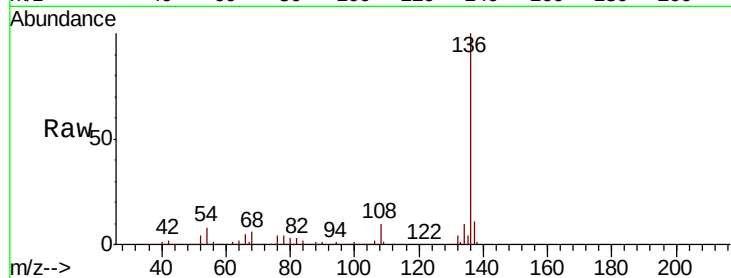
Tot Ion:122 Resp: 268

Ion Ratio Lower Upper

122 100

105 239.0 101.2 141.2#

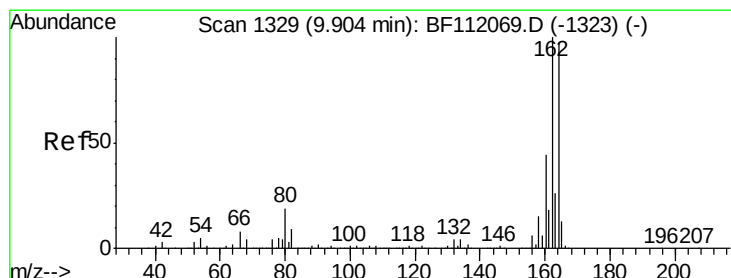
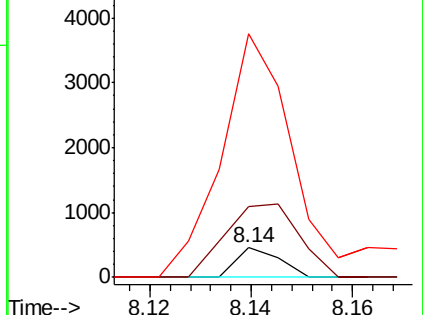
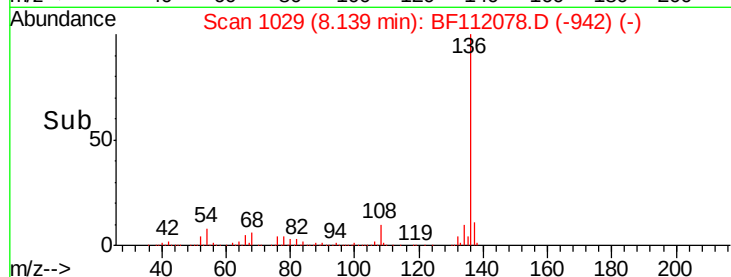
77 823.2 70.4 110.4#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF112078.D

Acq: 17 Jan 2019 9:59

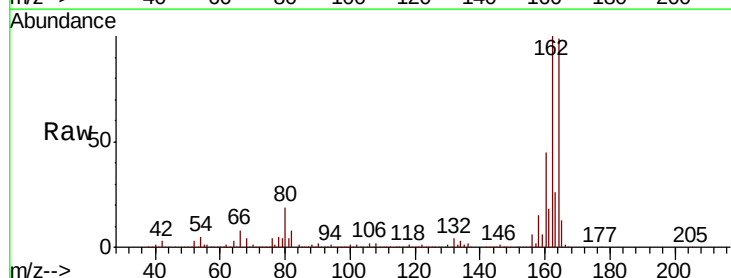
Tgt Ion:164 Resp: 558520

Ion Ratio Lower Upper

164 100

162 101.4 82.2 123.4

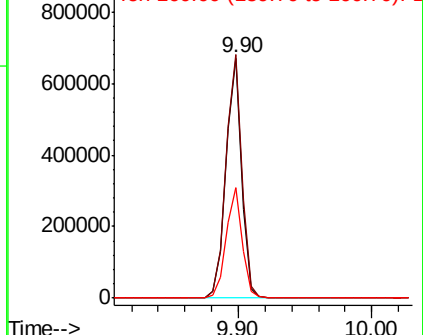
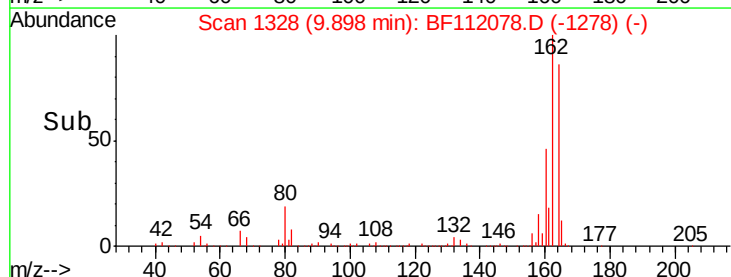
160 46.0 36.2 54.4

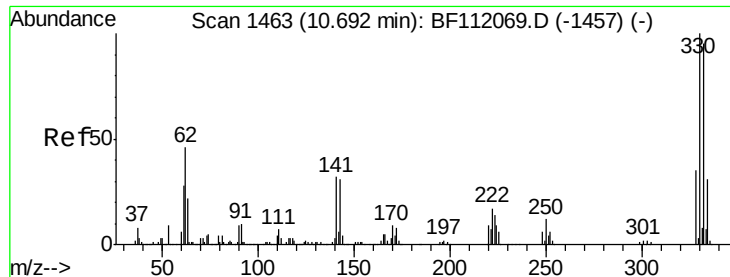


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 130.966 ng

RT: 10.69 min Scan# 1463

Delta R.T. 0.00 min

Lab File: BF112078.D

Acq: 17 Jan 2019 9:59

Instrument :

BNA_F

ClientSampleId :

TP-3

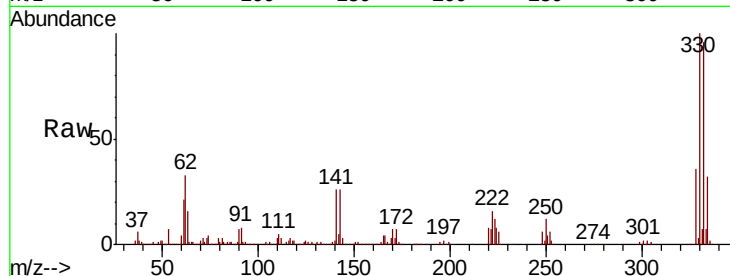
Tot Ion:330 Resp: 789096

Ion Ratio Lower Upper

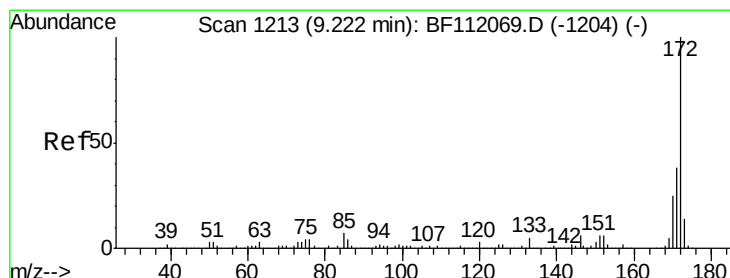
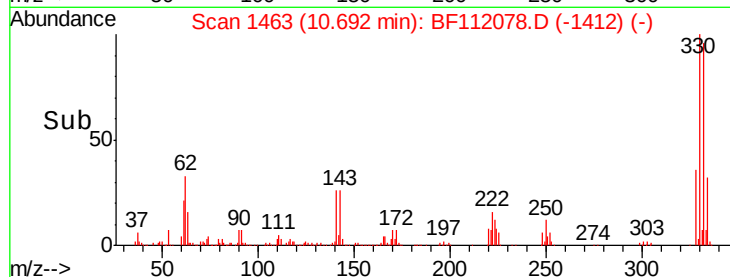
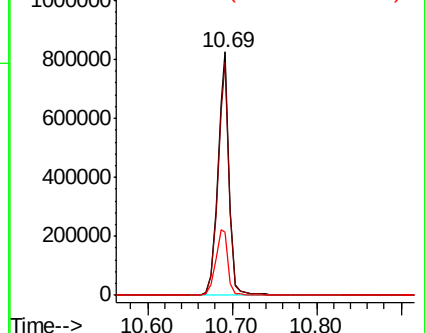
330 100

332 96.1 76.6 114.8

141 29.6 24.3 36.5



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: 74.500 ng

RT: 9.22 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BF112078.D

Acq: 17 Jan 2019 9:59

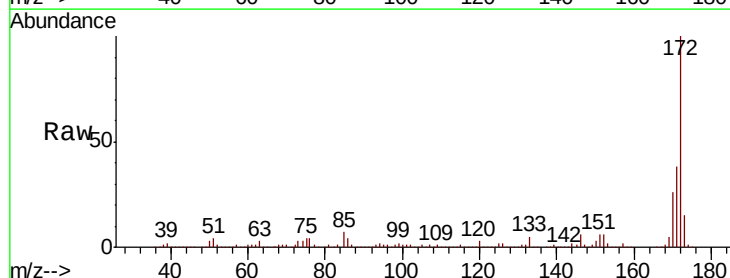
Tgt Ion:172 Resp: 2838099

Ion Ratio Lower Upper

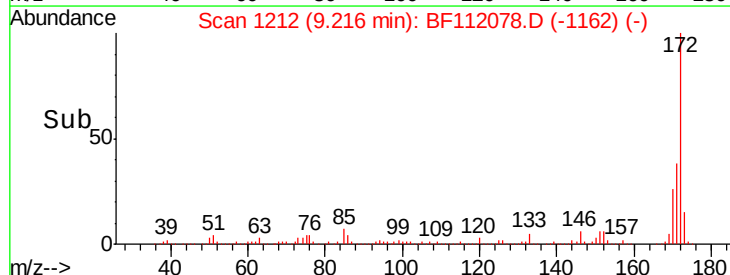
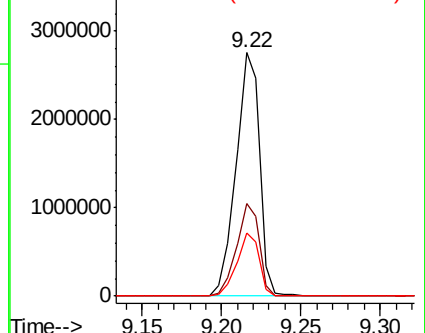
172 100

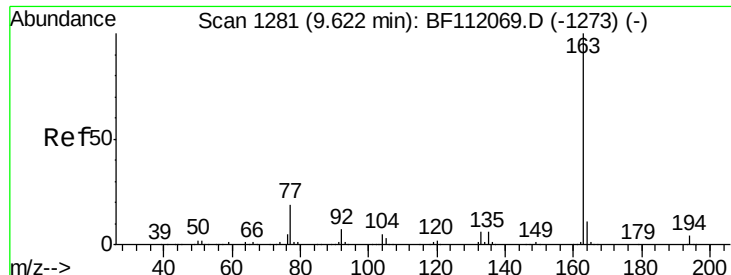
171 38.0 30.5 45.7

170 25.9 20.2 30.4



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

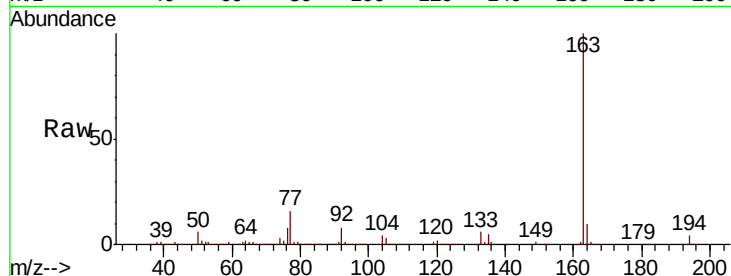




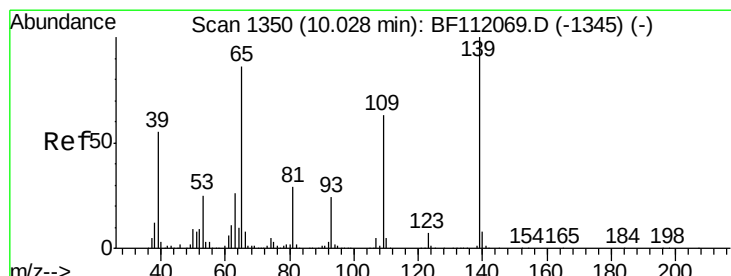
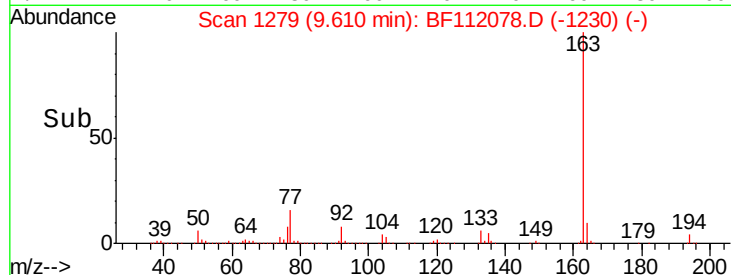
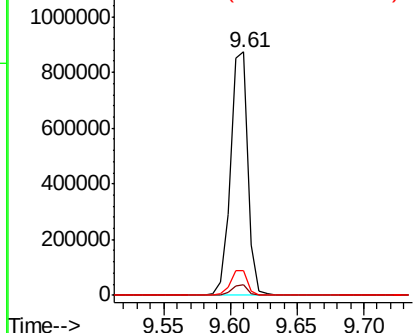
#50
Dimethylphthalate
Concen: 19.769 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF112078.D
Acq: 17 Jan 2019 9:59

Instrument :
BNA_F
ClientSampled :
TP-3

Tot Ion:163 Resp: 805210
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.0 8.5 12.7

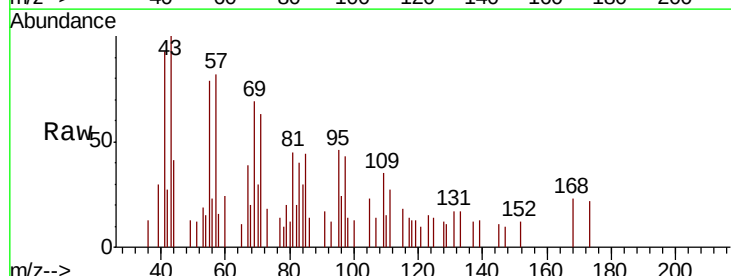


Abundance Ion 163.00 (162.70 to 163.70): E
1200000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

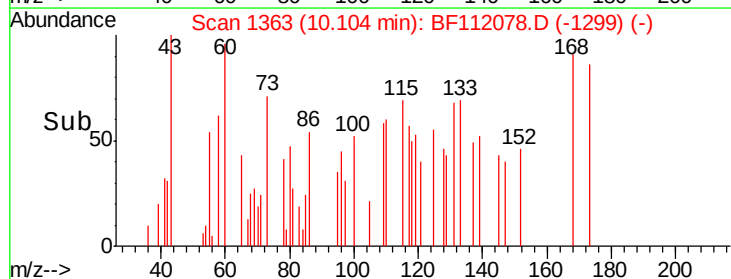
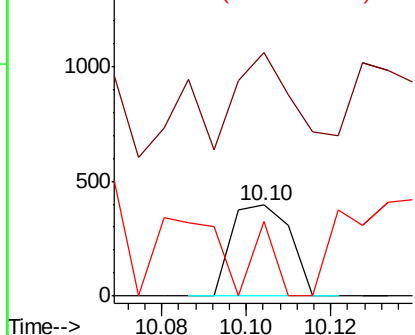


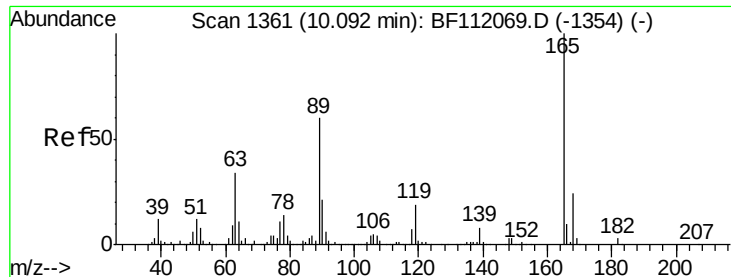
#56
4-Nitrophenol
Concen: 5.709 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.08 min
Lab File: BF112078.D
Acq: 17 Jan 2019 9:59

Tgt Ion:139 Resp: 381
Ion Ratio Lower Upper
139 100
109 268.4 42.8 82.8#
65 82.5 66.1 106.1



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

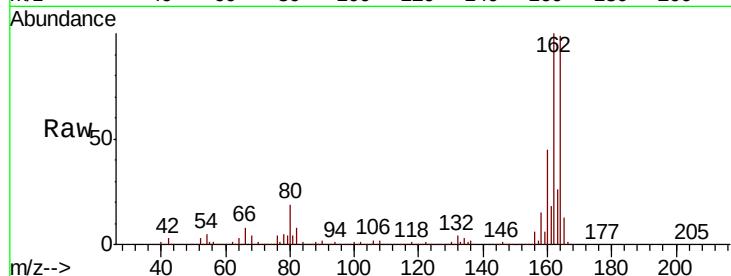




#57
 2,4-Dinitrotoluene
 Concen: 10.879 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.19 min
 Lab File: BF112078.D
 Acq: 17 Jan 2019 9:59

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	27.9	41.9#
89	1.6	47.9	71.9#
182	0.0	2.2	3.4#

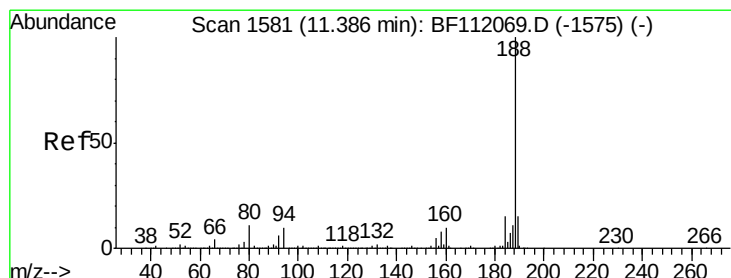
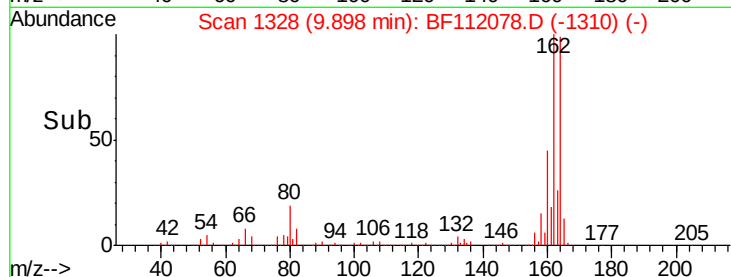
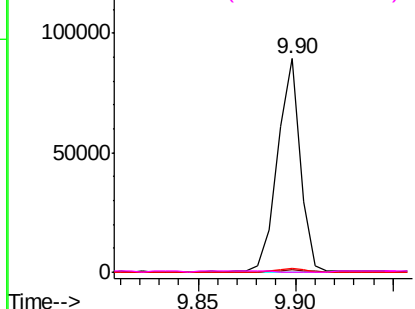


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

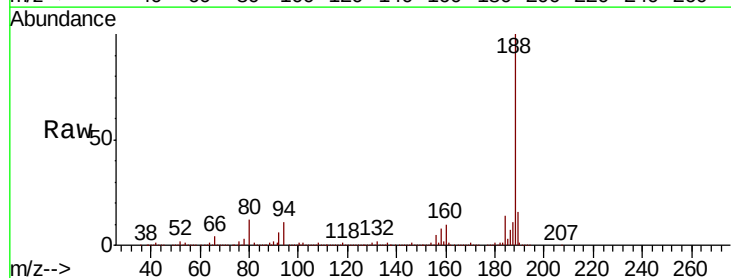
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF112078.D
 Acq: 17 Jan 2019 9:59

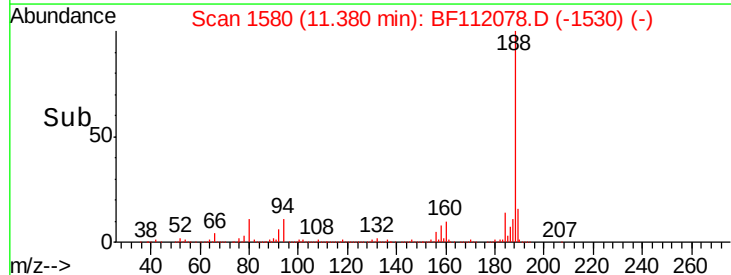
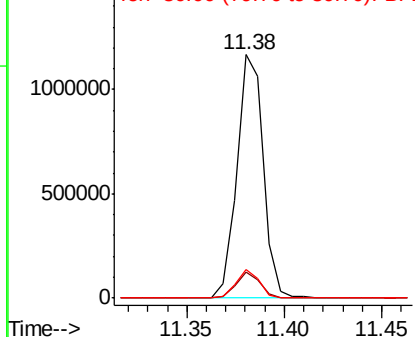
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.2	12.2
80	11.5	8.9	13.3

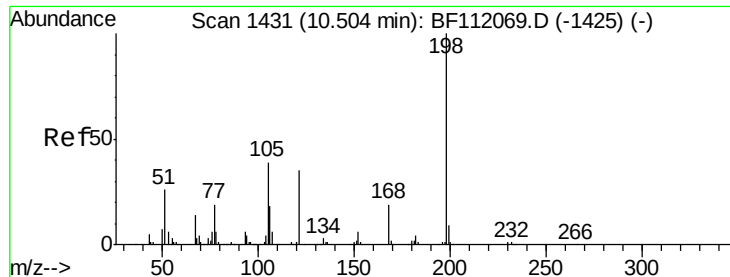


Abundance Ion 188.00 (187.70 to 188.70): E

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: 10.362 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.18 min

Lab File: BF112078.D

Acq: 17 Jan 2019 9:59

Instrument :

BNA_F

ClientSampled :

TP-3

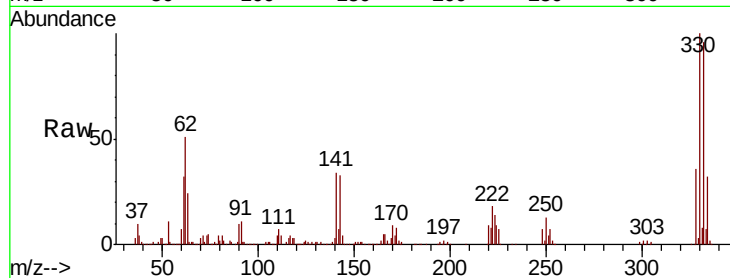
Tot Ion:198 Resp: 1690

Ion Ratio Lower Upper

198 100

51 142.5 17.2 57.2#

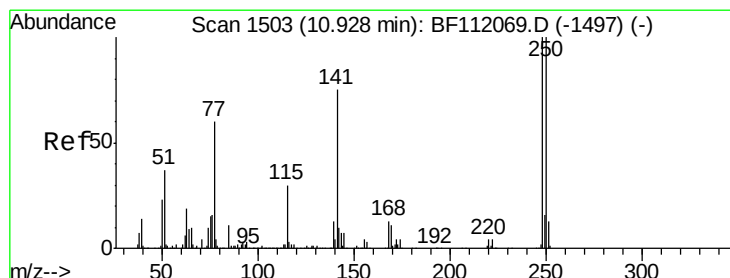
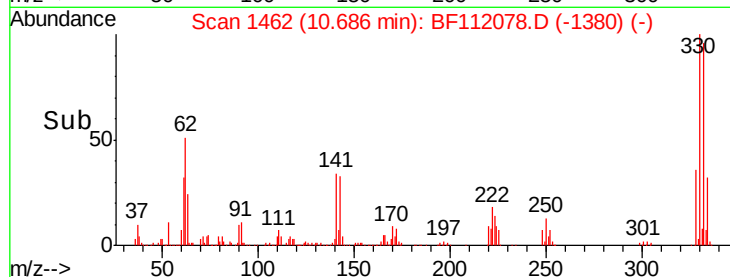
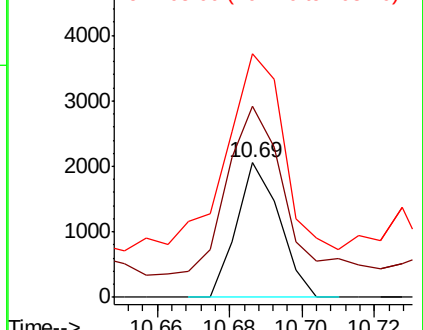
105 181.4 21.9 61.9#



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: 3.715 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.24 min

Lab File: BF112078.D

Acq: 17 Jan 2019 9:59

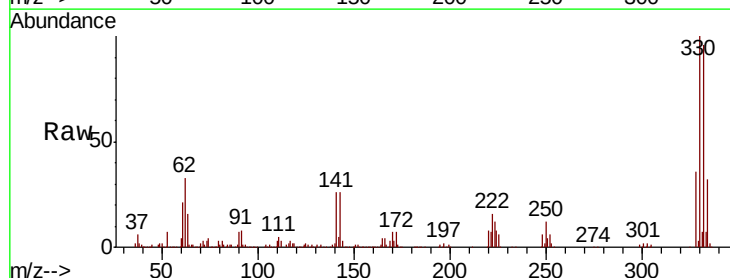
Tgt Ion:248 Resp: 47195

Ion Ratio Lower Upper

248 100

250 201.1 79.7 119.5#

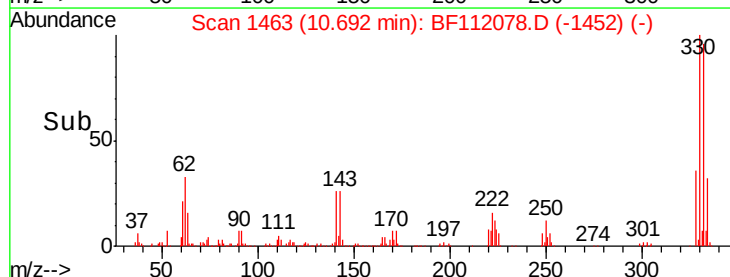
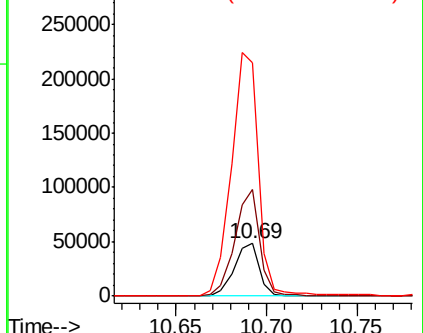
141 442.0 60.3 90.5#

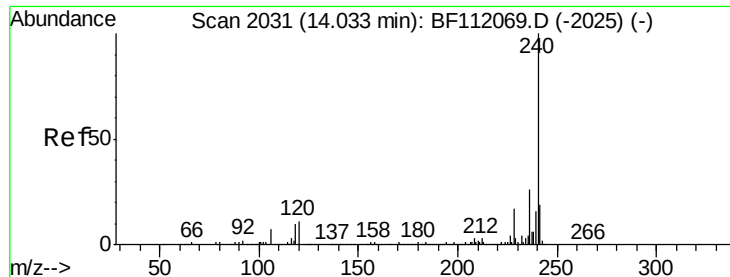


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF112078.D

Acq: 17 Jan 2019 9:59

Instrument :

BNA_F

ClientSampled :

TP-3

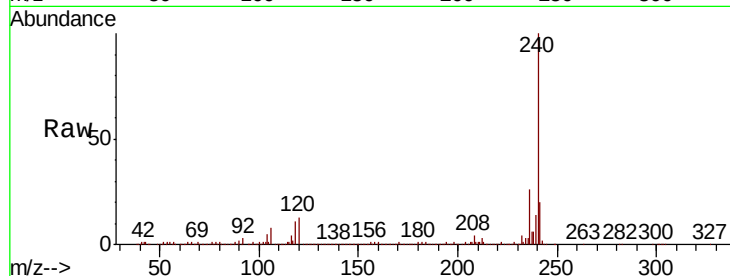
Tot Ion:240 Resp: 813410

Ion Ratio Lower Upper

240 100

120 12.6 9.0 13.6

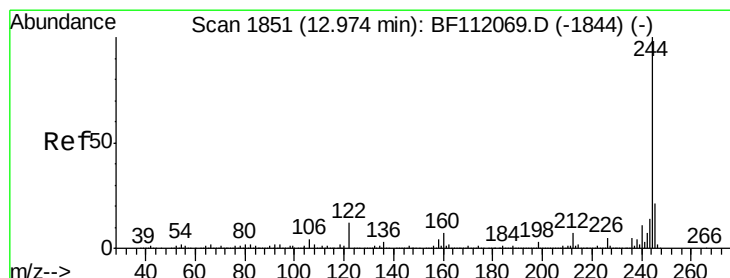
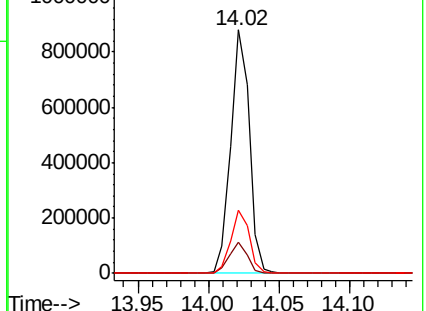
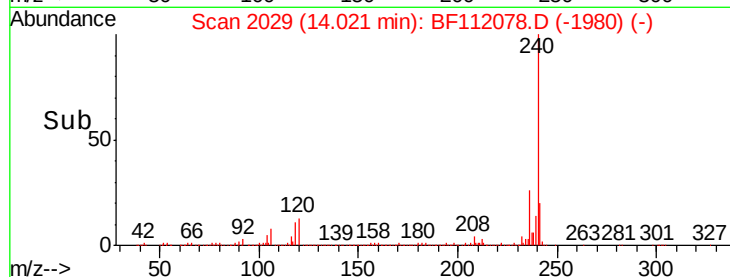
236 25.7 20.7 31.1



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: 82.501 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF112078.D

Acq: 17 Jan 2019 9:59

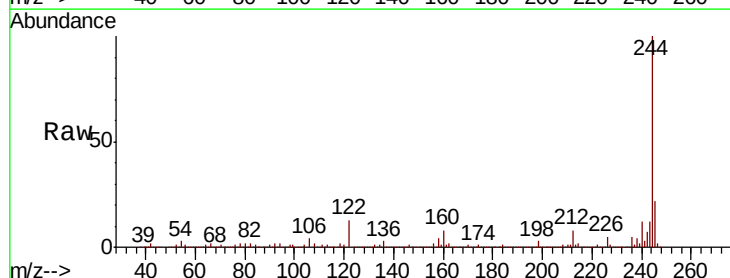
Tgt Ion:244 Resp: 3154445

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

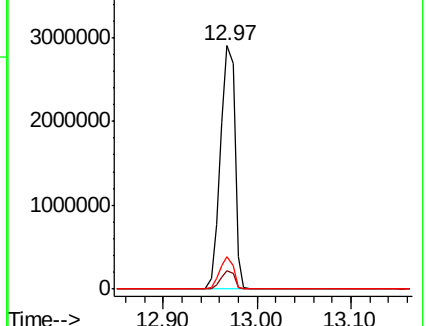
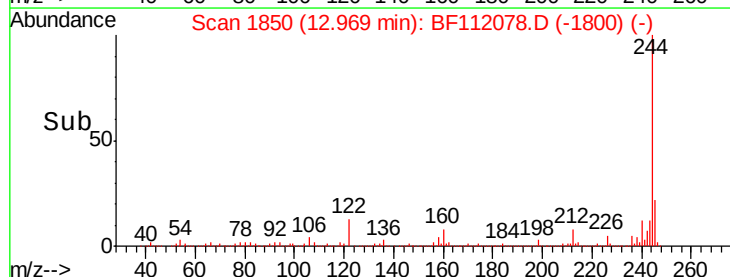
122 13.2 9.8 14.6

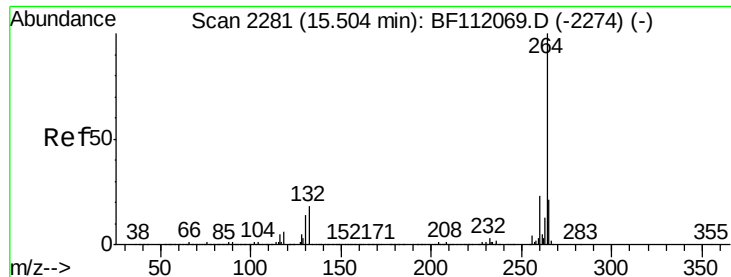


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF112078.D
Acq: 17 Jan 2019 9:59

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.2
265	21.0	17.0	25.4

