

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
 Data File : BF112152.D
 Acq On : 21 Jan 2019 12:11
 Operator : JU/SJ
 Sample : K1205-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 21 12:48:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	264415	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1001403	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	488068	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	878853	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	623168	20.00	ng	-0.01
87) Perylene-d12	15.49	264	622967	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1802961	123.76	ng	0.00
7) Phenol-d6	6.50	99	2269604	124.52	ng	0.00
23) Nitrobenzene-d5	7.42	82	1471243	101.50	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	652472	123.92	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	2699162	81.08	ng	0.00
79) Terphenyl-d14	12.96	244	2487095	84.90	ng	-0.01

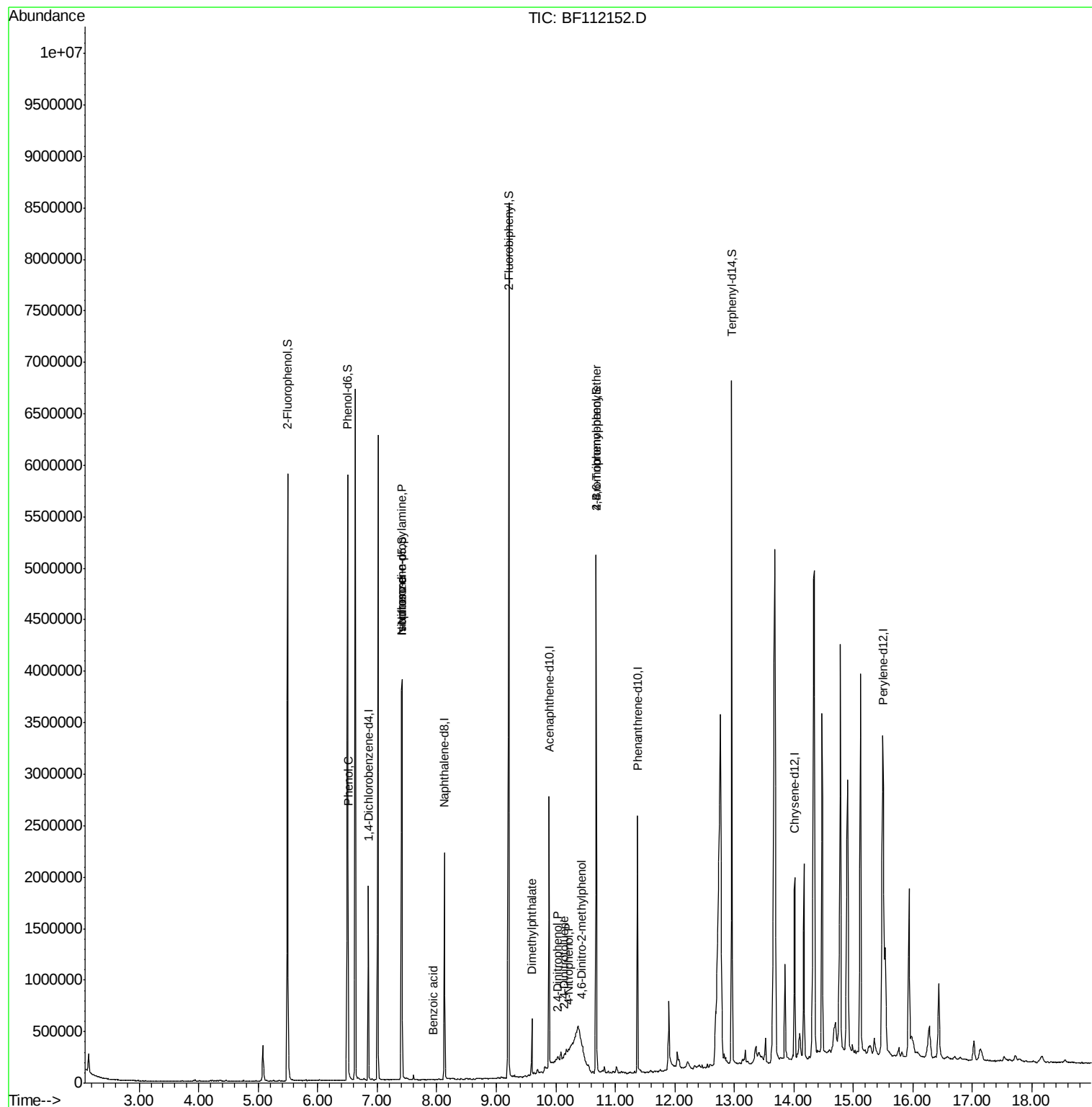
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	5136	Below Cal		# 1
10) Phenol	6.52	94	103498	5.196	ng	# 69
19) n-Nitroso-di-n-propylamine	7.42	70	199927	18.005	ng	# 73
25) Isophorone	7.42	82	1457595	52.064	ng	# 64
32) Benzoic acid	7.94	122	139	7.193	ng	# 29
50) Dimethylphthalate	9.60	163	217885	6.121	ng	# 99
54) 2,4-Dinitrophenol	10.03	184	119	7.813	ng	# 1
56) 4-Nitrophenol	10.22	139	425	5.724	ng	# 98
57) 2,4-Dinitrotoluene	10.15	165	4008	4.979	ng	# 57
65) 4,6-Dinitro-2-methylphenol	10.44	198	123	10.096	ng	# 1
67) 4-Bromophenyl-phenylether	10.68	248	39398	3.859	ng	# 1

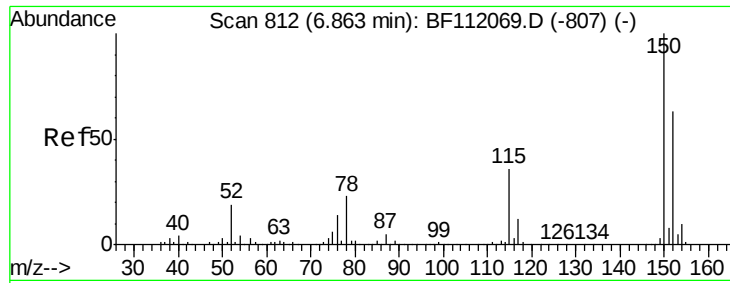
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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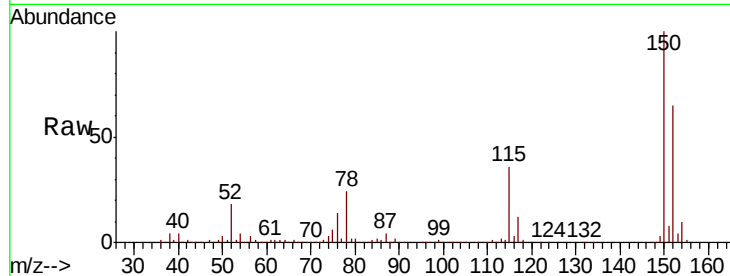


#1

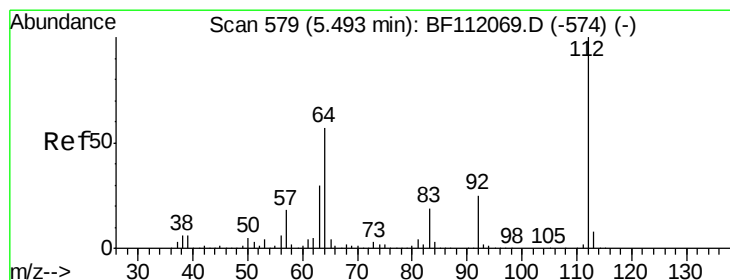
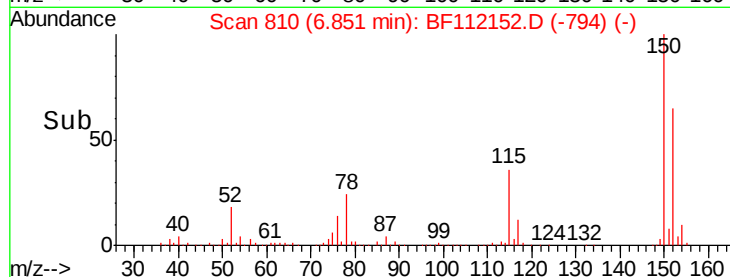
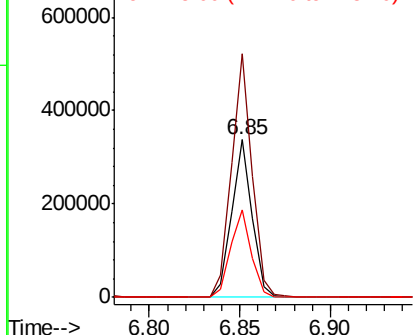
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112152.D
Acq: 21 Jan 2019 12:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	127.4	191.0
115	55.5	45.5	68.3



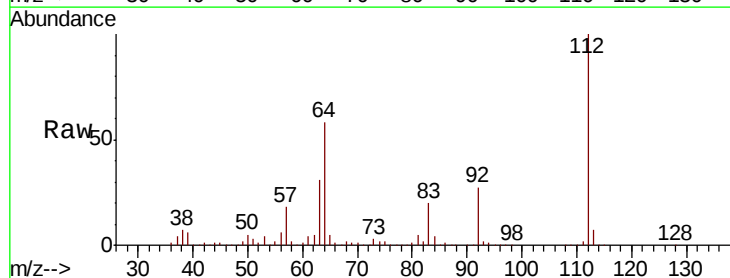
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



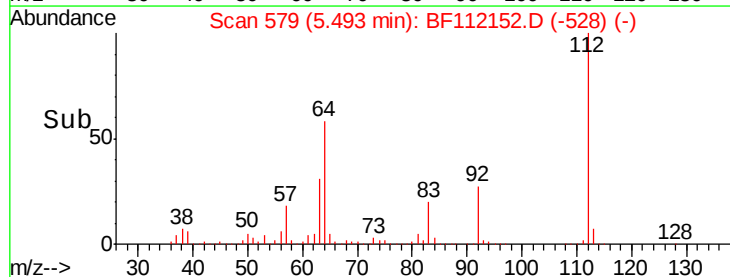
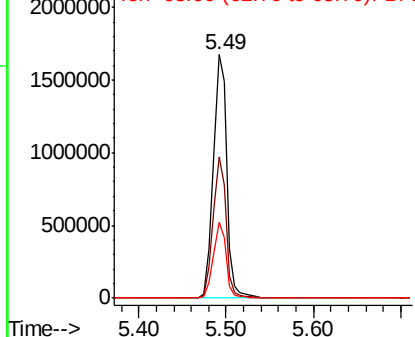
#5

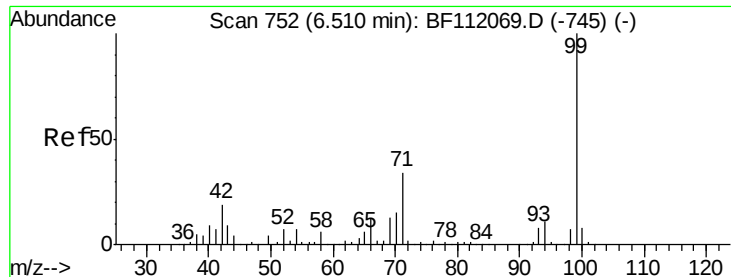
2-Fluorophenol
Concen: 123.762 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF112152.D
Acq: 21 Jan 2019 12:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	45.7	68.5
63	31.0	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: 124.520 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF112152.D

Acq: 21 Jan 2019 12:11

Instrument :

BNA_F

ClientSampleId :

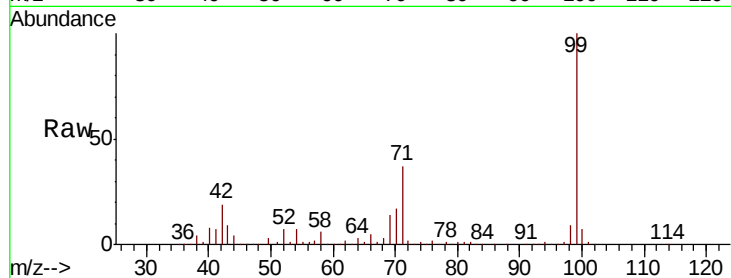
Tot Ion: 99 Resp: 2269604

Ion Ratio Lower Upper

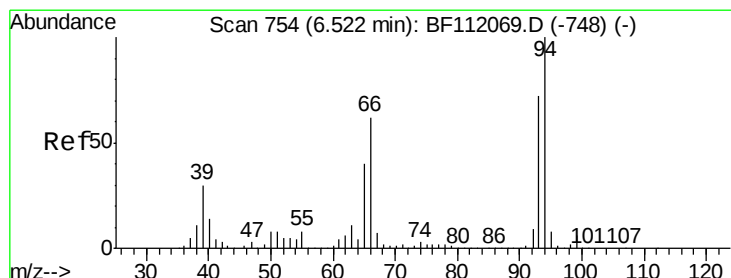
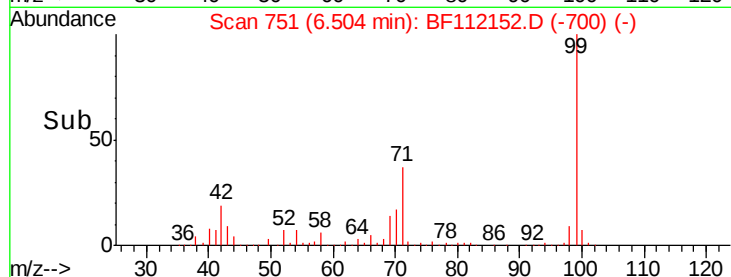
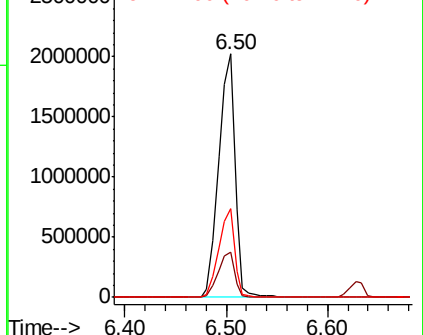
99 100

42 18.7 15.1 22.7

71 36.6 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: 5.196 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF112152.D

Acq: 21 Jan 2019 12:11

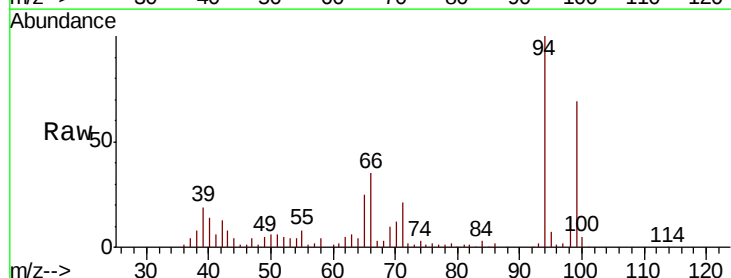
Tgt Ion: 94 Resp: 103498

Ion Ratio Lower Upper

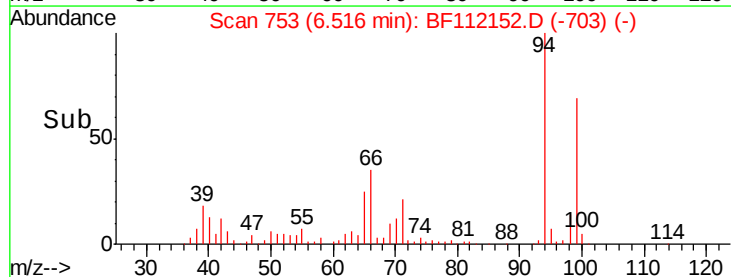
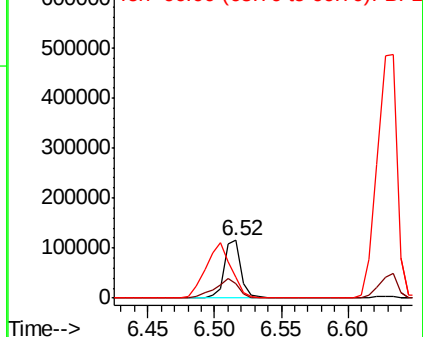
94 100

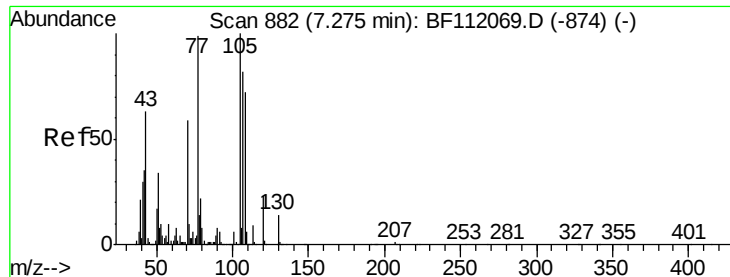
65 24.8 20.3 60.3

66 35.4 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

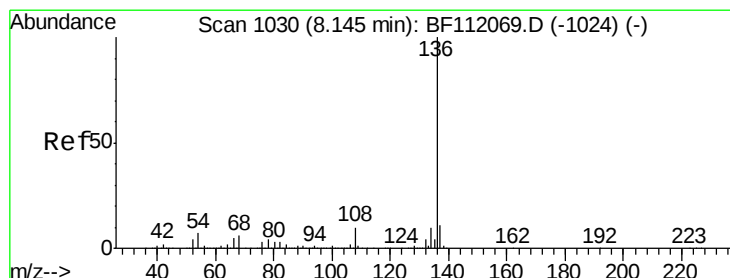
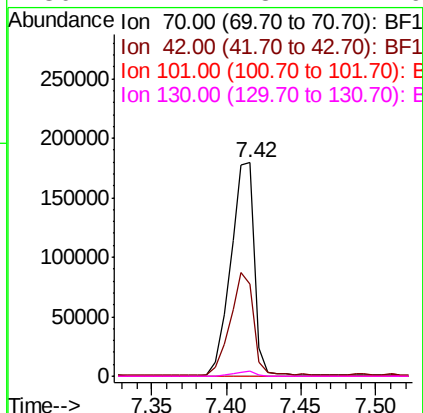
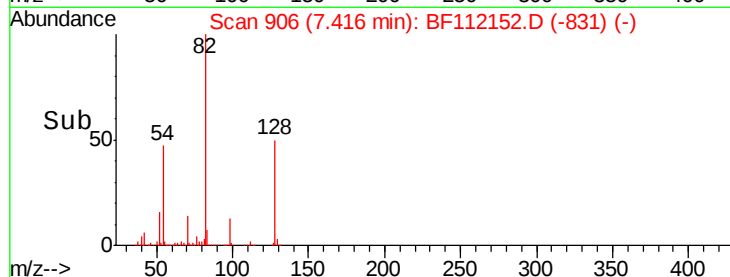
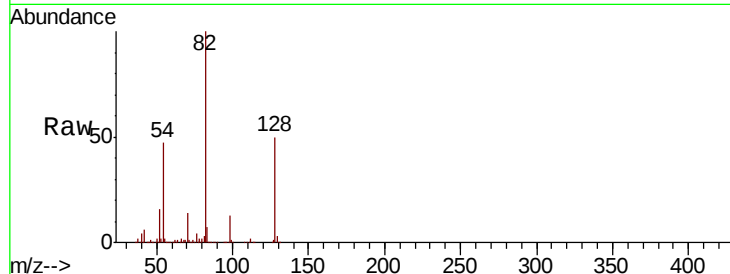




#19
n-Nitroso-di-n-propylamine
Concen: 18.005 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.14 min
Lab File: BF112152.D
Acq: 21 Jan 2019 12:11

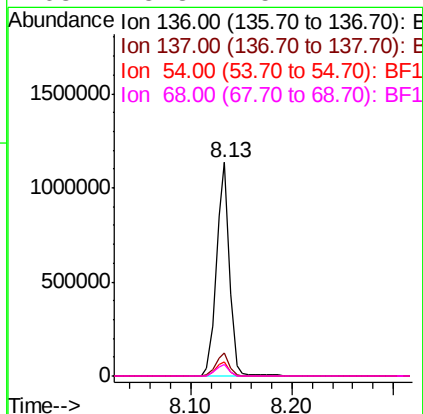
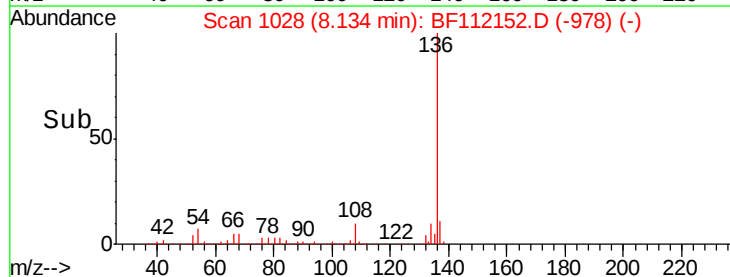
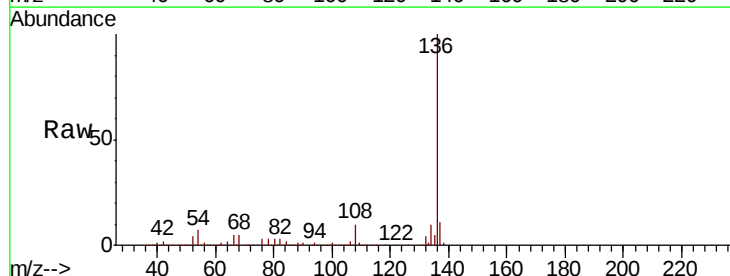
Instrument :
BNA_F
ClientSampleId :

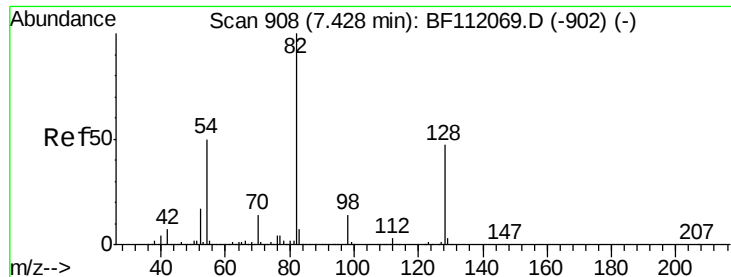
Tot Ion: 70 Resp: 199927
Ion Ratio Lower Upper
70 100
42 43.3 47.6 71.4#
101 0.0 7.9 11.9#
130 2.4 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF112152.D
Acq: 21 Jan 2019 12:11

Tgt Ion:136 Resp: 1001403
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 6.5 5.9 8.9
68 5.3 5.1 7.7

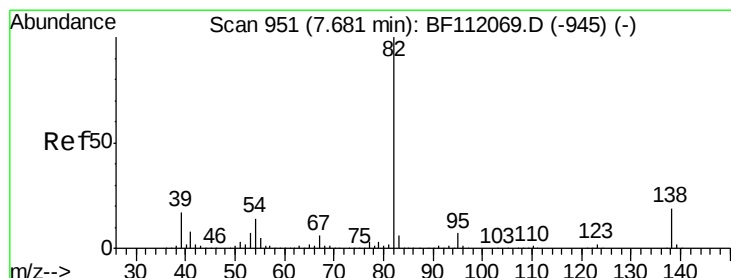
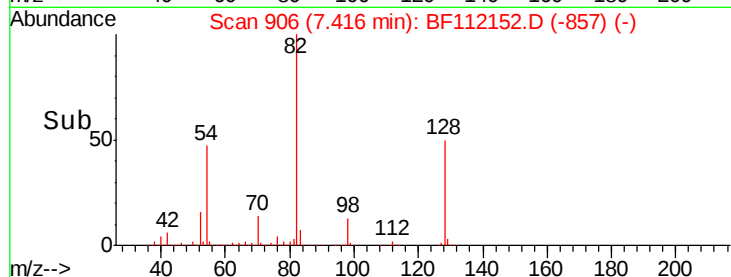
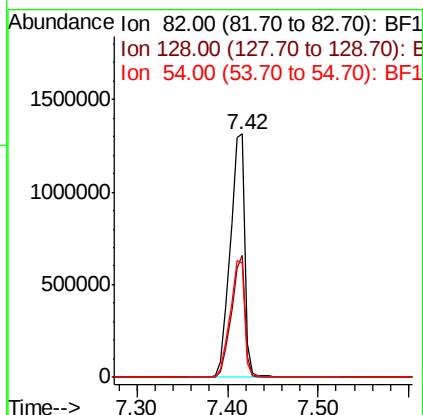
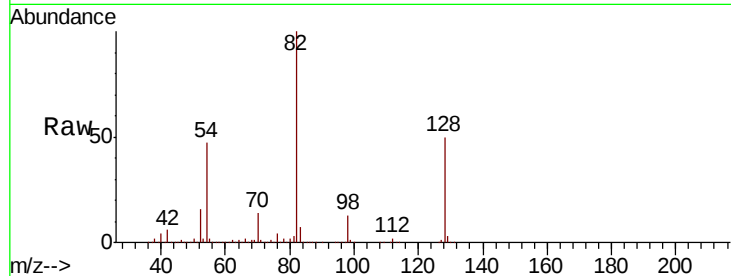




#23
 Nitrobenzene-d5
 Concen: 101.504 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF112152.D
 Acq: 21 Jan 2019 12:11

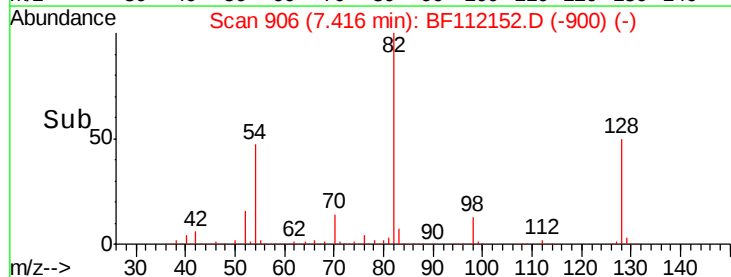
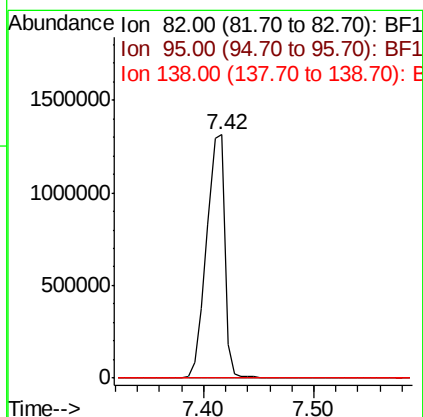
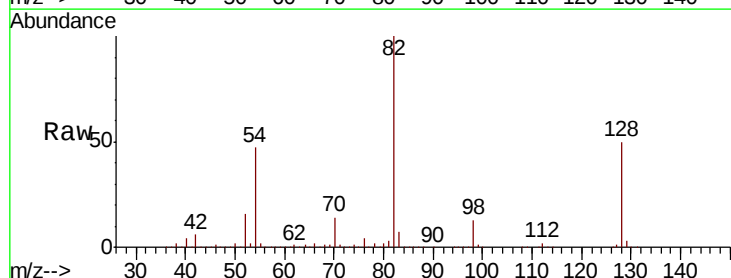
Instrument :
 BNA_F
 ClientSampleId :

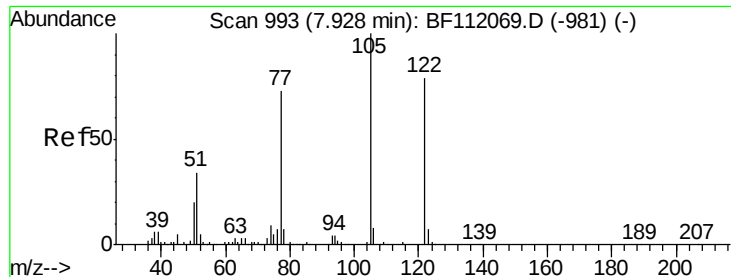
Tot Ion: 82 Resp: 1471243
 Ion Ratio Lower Upper
 82 100
 128 50.3 37.8 56.8
 54 47.0 39.7 59.5



#25
 Isophorone
 Concen: 52.064 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.26 min
 Lab File: BF112152.D
 Acq: 21 Jan 2019 12:11

Tgt Ion: 82 Resp: 1457595
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.7 8.5#
 138 0.0 15.4 23.0#





#32

Benzoic acid

Concen: 7.193 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.00 min

Lab File: BF112152.D

Acq: 21 Jan 2019 12:11

Instrument :

BNA_F

ClientSampled :

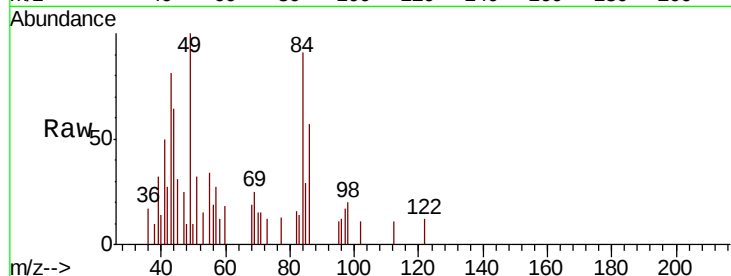
Tot Ion:122 Resp: 139

Ion Ratio Lower Upper

122 100

105 0.0 101.2 141.2#

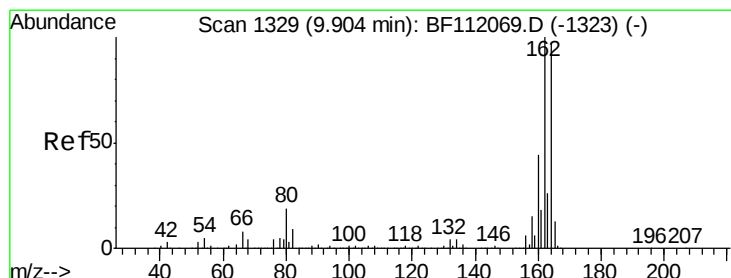
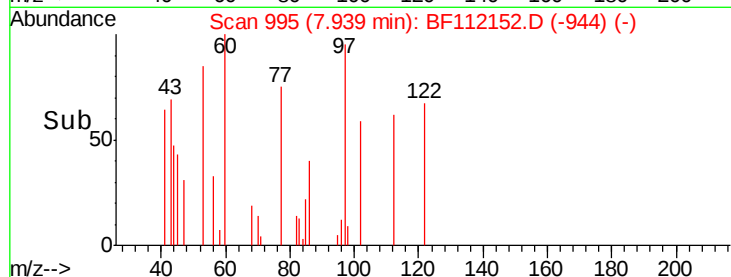
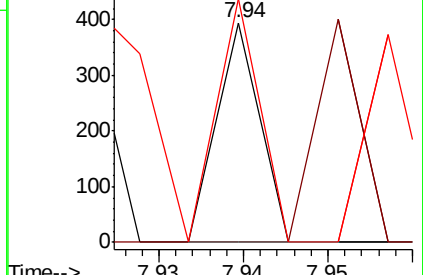
77 110.9 70.4 110.4#



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: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF112152.D

Acq: 21 Jan 2019 12:11

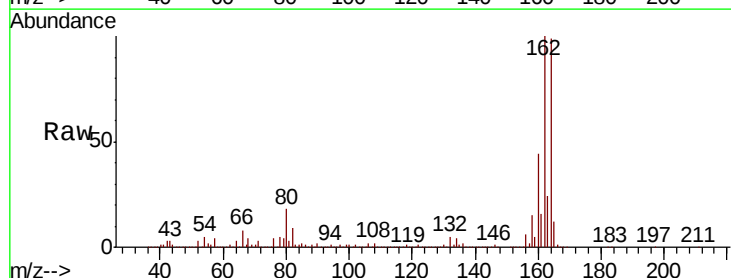
Tgt Ion:164 Resp: 488068

Ion Ratio Lower Upper

164 100

162 101.4 82.2 123.4

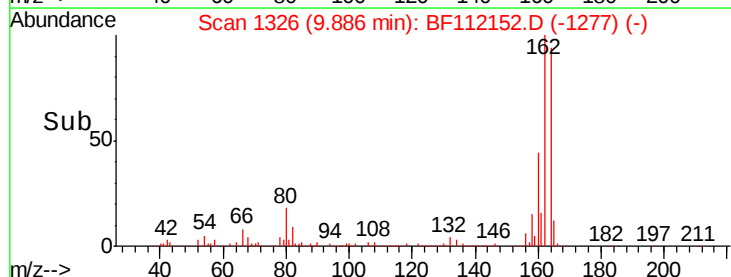
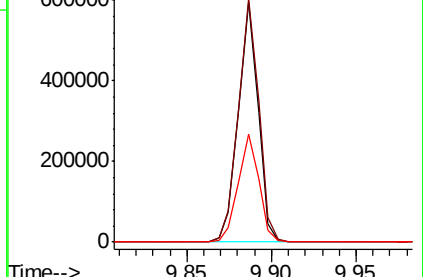
160 45.0 36.2 54.4

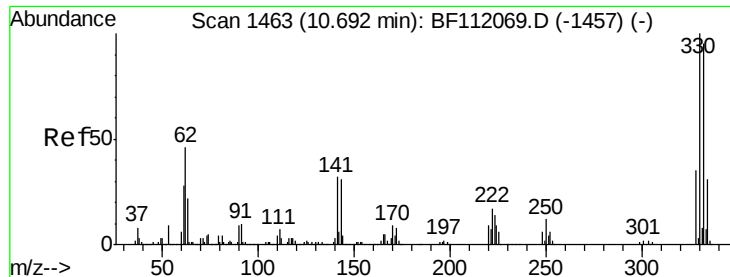


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

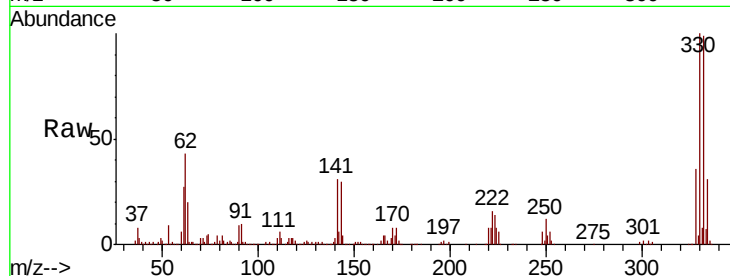




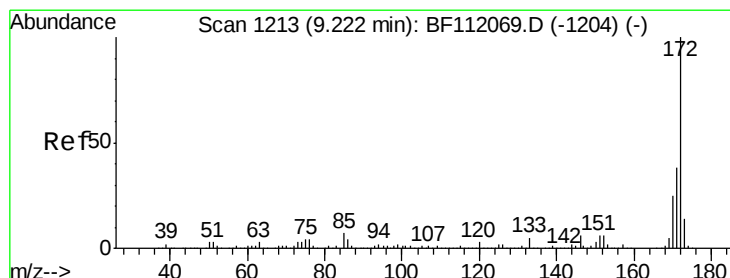
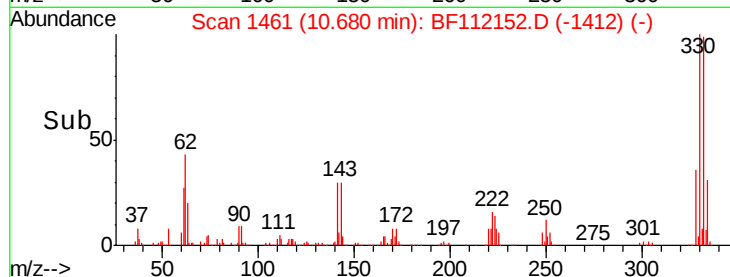
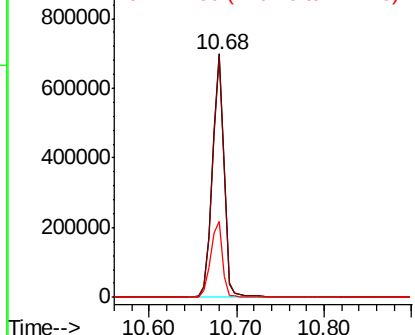
#42
 2,4,6-Tribromophenol
 Concen: 123.922 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF112152.D
 Acq: 21 Jan 2019 12:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 652472
 Ion Ratio Lower Upper
 330 100
 332 98.0 76.6 114.8
 141 32.1 24.3 36.5

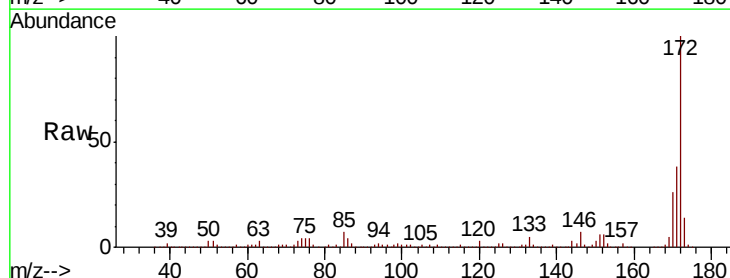


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

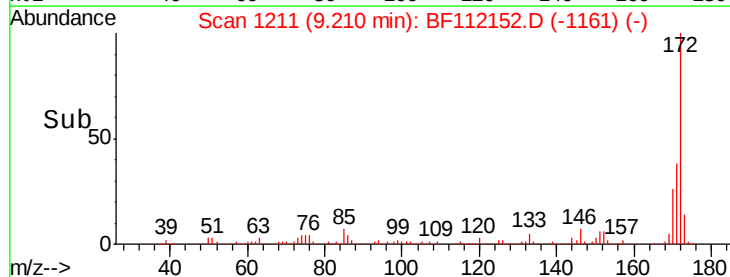
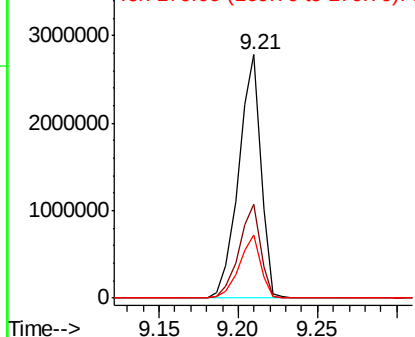


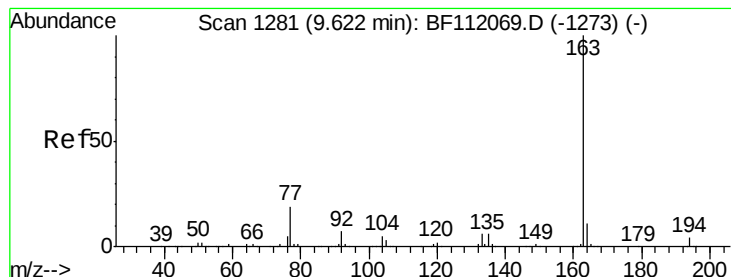
#45
 2-Fluorobiphenyl
 Concen: 81.080 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF112152.D
 Acq: 21 Jan 2019 12:11

Tgt Ion:172 Resp: 2699162
 Ion Ratio Lower Upper
 172 100
 171 38.4 30.5 45.7
 170 25.7 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: 6.121 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.02 min

Lab File: BF112152.D

Acq: 21 Jan 2019 12:11

Instrument :

BNA_F

ClientSampleId :

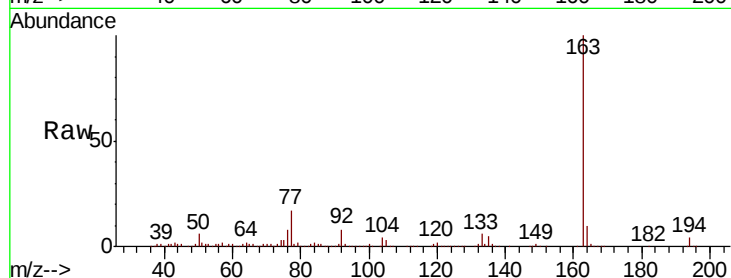
Tot Ion:163 Resp: 217885

Ion Ratio Lower Upper

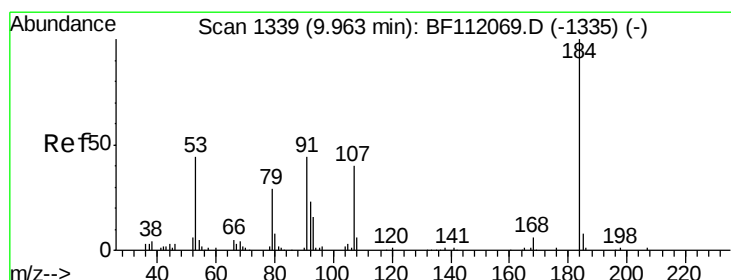
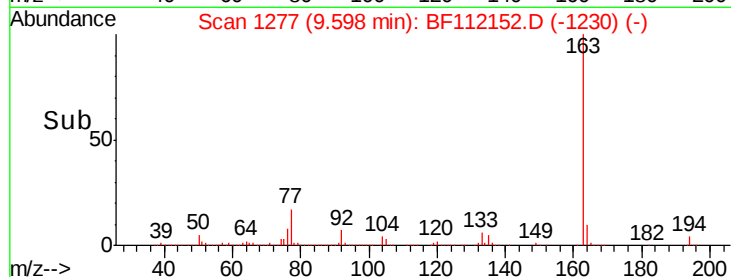
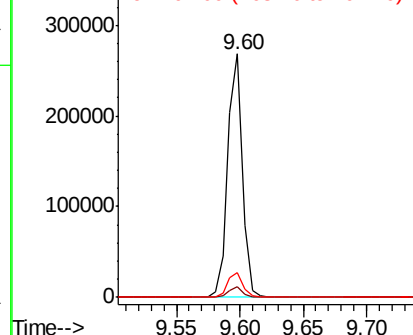
163 100

194 4.3 3.3 4.9

164 10.1 8.5 12.7



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



#54

2,4-Dinitrophenol

Concen: 7.813 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.06 min

Lab File: BF112152.D

Acq: 21 Jan 2019 12:11

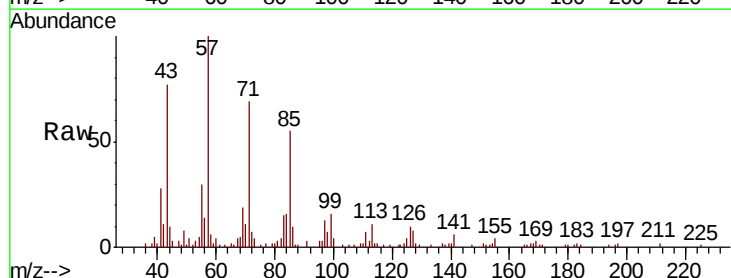
Tgt Ion:184 Resp: 119

Ion Ratio Lower Upper

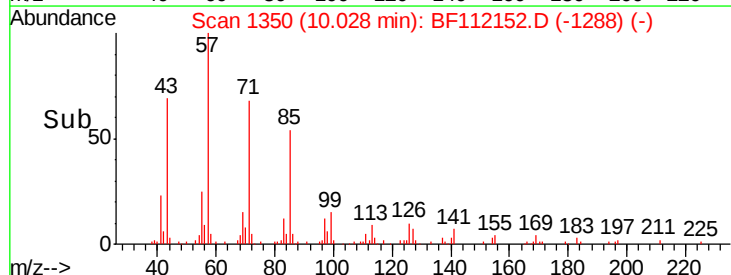
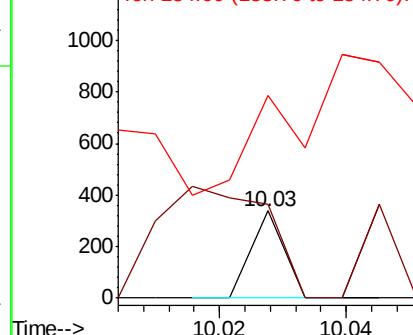
184 100

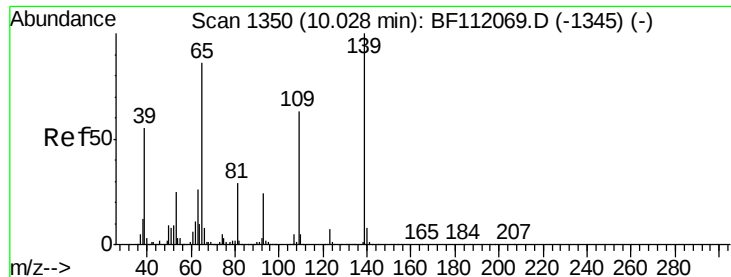
63 107.7 47.1 70.7#

154 233.8 48.9 73.3#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#56

4-Nitrophenol

Concen: 5.724 ng

RT: 10.22 min Scan# 1383

Delta R.T. 0.19 min

Lab File: BF112152.D

Acq: 21 Jan 2019 12:11

Instrument :

BNA_F

ClientSampleId :

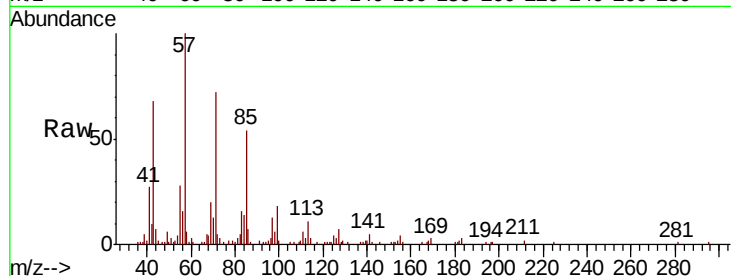
Tot Ion:139 Resp: 425

Ion Ratio Lower Upper

139 100

109 64.4 42.8 82.8

65 83.9 66.1 106.1

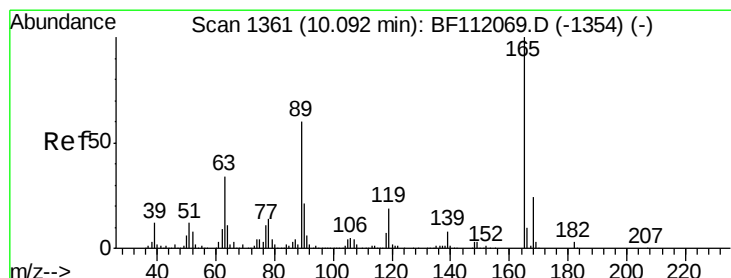
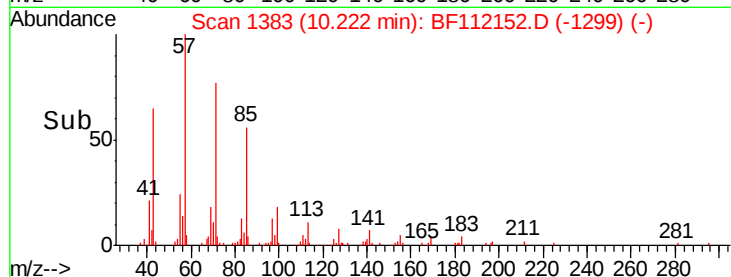
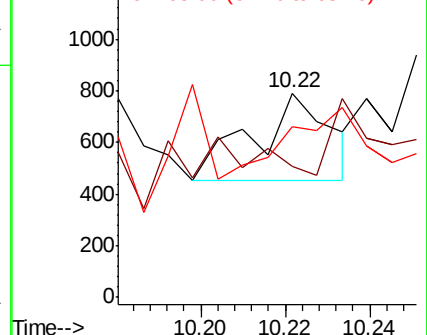


Abundance

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: 4.979 ng

RT: 10.15 min Scan# 1371

Delta R.T. 0.06 min

Lab File: BF112152.D

Acq: 21 Jan 2019 12:11

Tgt Ion:165 Resp: 4008

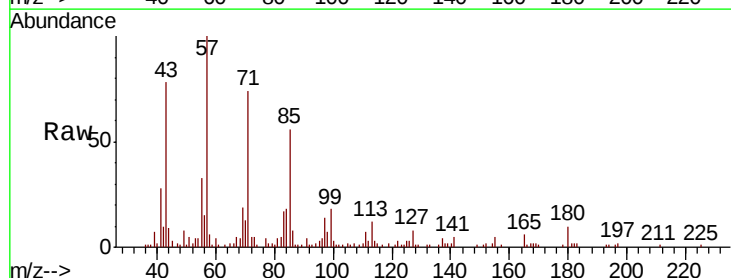
Ion Ratio Lower Upper

165 100

63 24.5 27.9 41.9#

89 18.7 47.9 71.9#

182 37.4 2.2 3.4#



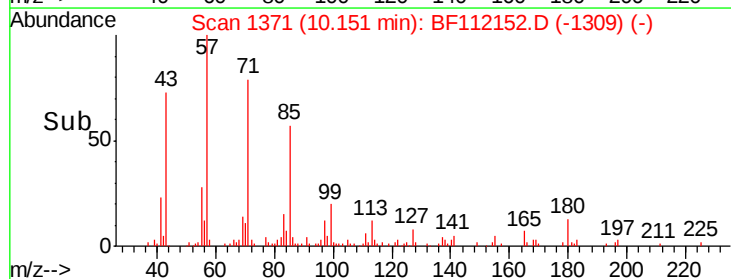
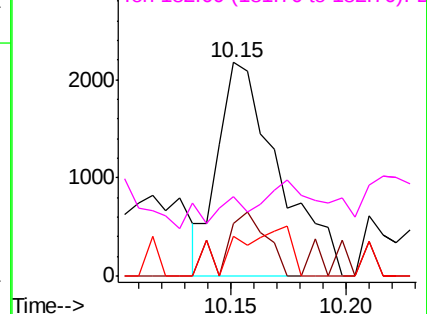
Abundance

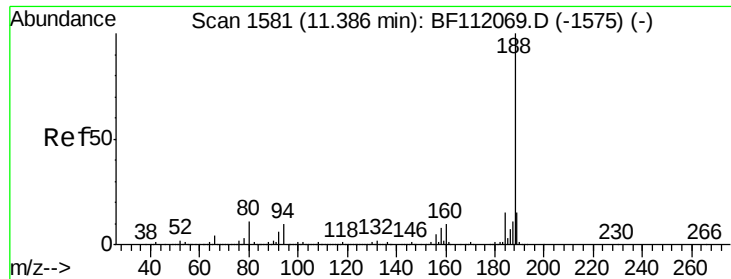
Ion 165.00 (164.70 to 165.70): E

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: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF112152.D

Acq: 21 Jan 2019 12:11

Instrument :

BNA_F

ClientSampleId :

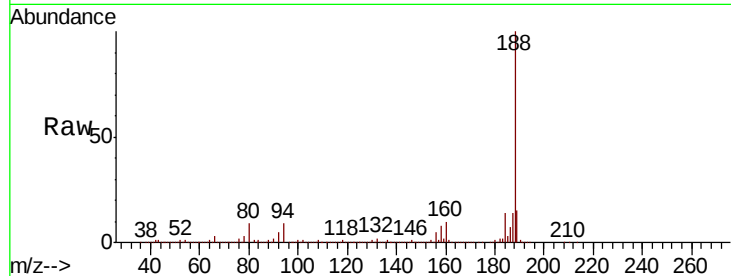
Tot Ion:188 Resp: 878853

Ion Ratio Lower Upper

188 100

94 8.6 8.2 12.2

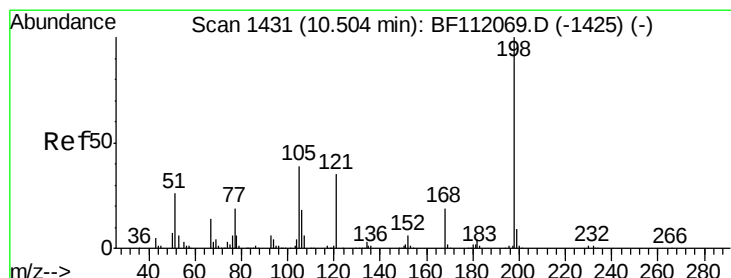
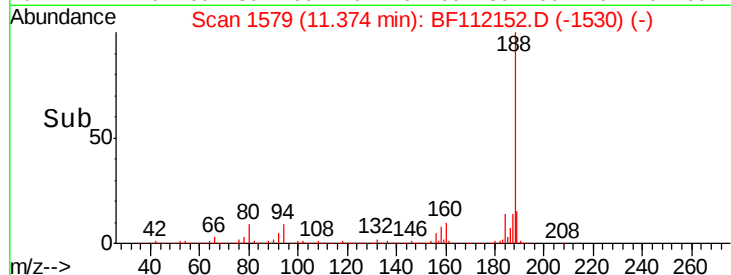
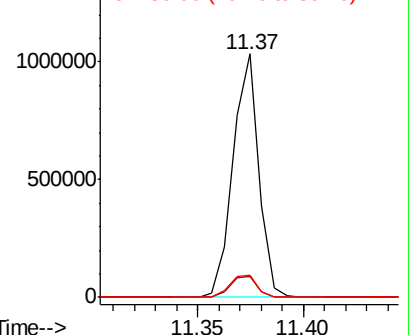
80 8.9 8.9 13.3



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: 10.096 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.06 min

Lab File: BF112152.D

Acq: 21 Jan 2019 12:11

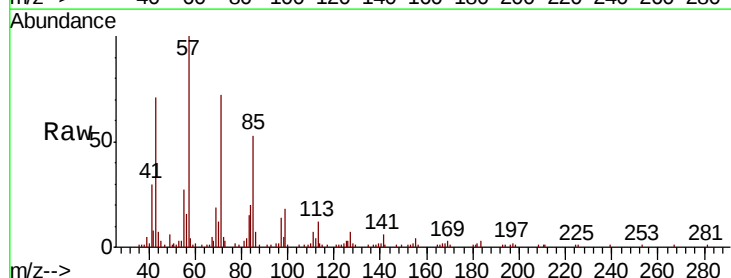
Tgt Ion:198 Resp: 123

Ion Ratio Lower Upper

198 100

51 349.7 17.2 57.2#

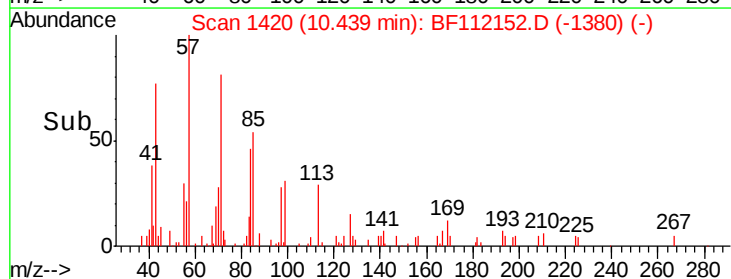
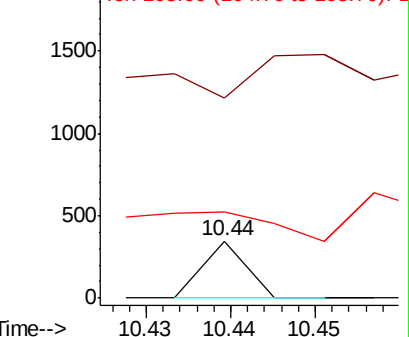
105 149.7 21.9 61.9#

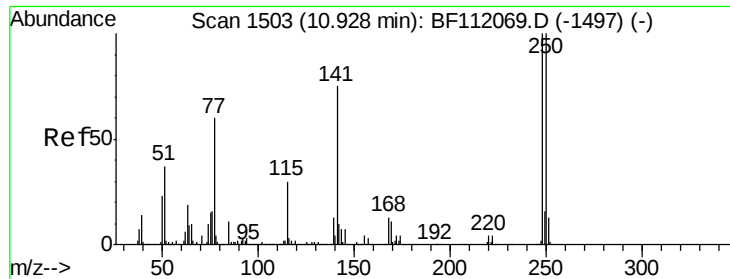


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

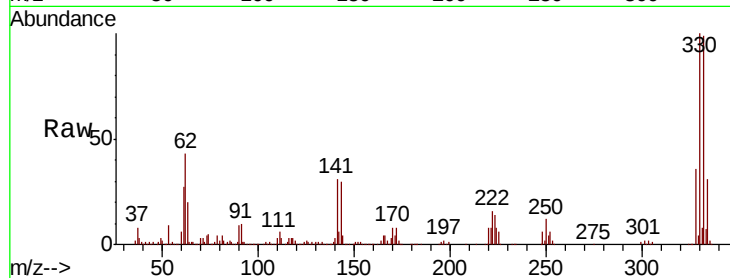




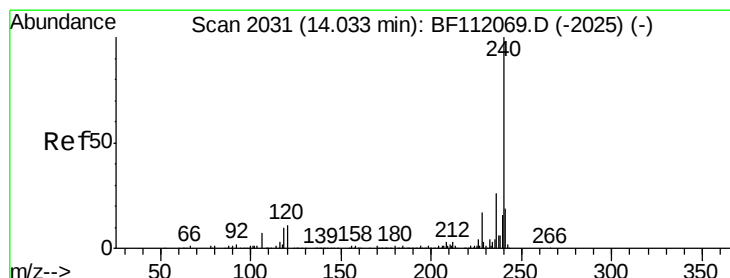
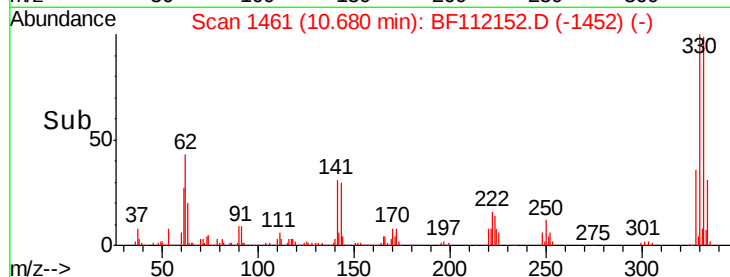
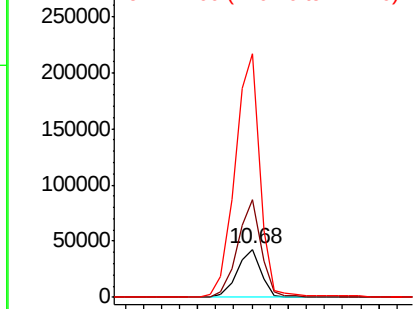
#67
4-Bromophenyl-phenylether
Concen: 3.859 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.25 min
Lab File: BF112152.D
Acq: 21 Jan 2019 12:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 39398
Ion Ratio Lower Upper
248 100
250 202.3 79.7 119.5#
141 505.5 60.3 90.5#

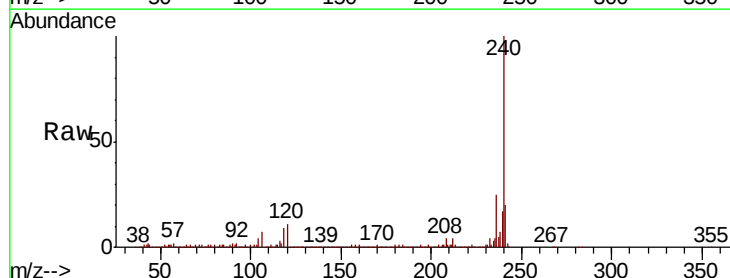


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

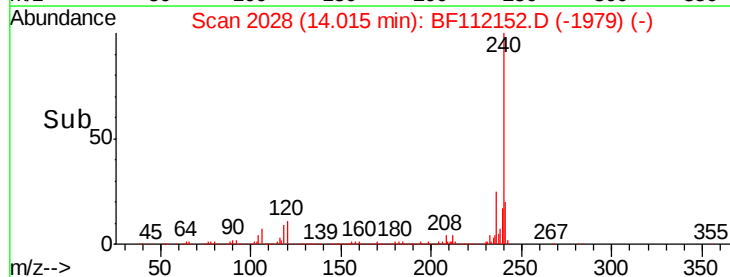
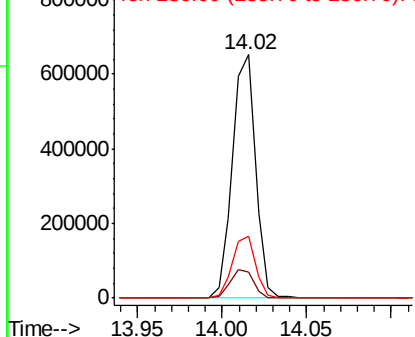


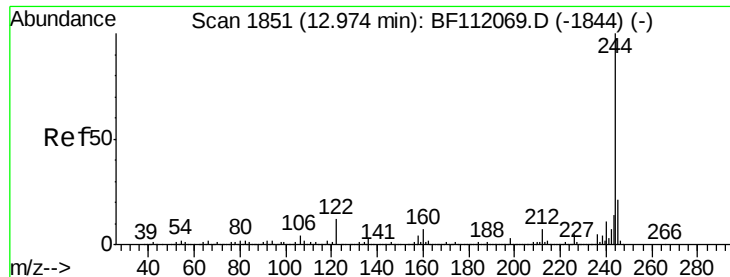
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF112152.D
Acq: 21 Jan 2019 12:11

Tgt Ion:240 Resp: 623168
Ion Ratio Lower Upper
240 100
120 10.7 9.0 13.6
236 25.2 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

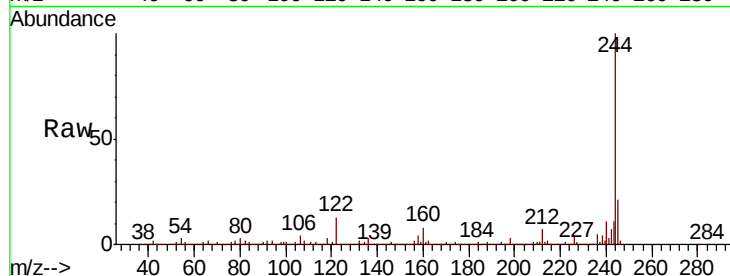




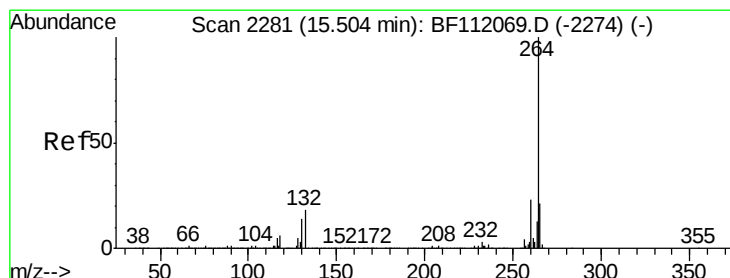
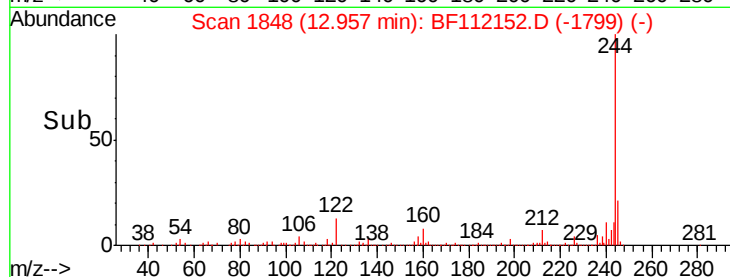
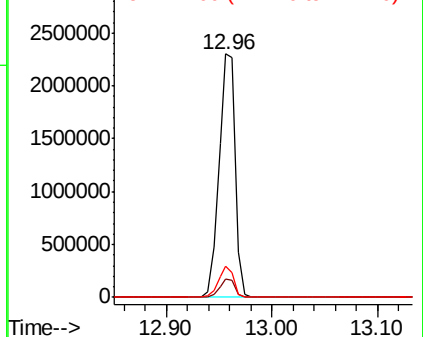
#79
 Terphenyl-d14
 Concen: 84.905 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF112152.D
 Acq: 21 Jan 2019 12:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 2487095
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.9 8.9
 122 12.9 9.8 14.6

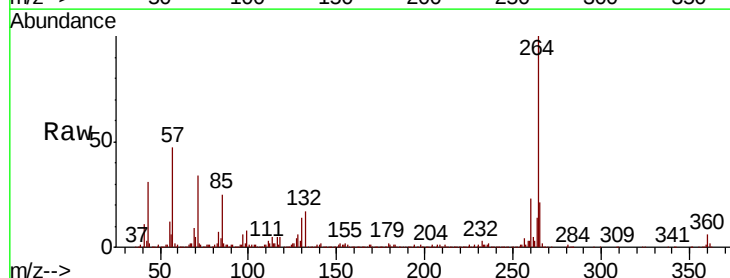


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BF112152.D
 Acq: 21 Jan 2019 12:11

Tgt Ion:264 Resp: 622967
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.2 27.2
 265 21.2 17.0 25.4



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

