

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031219\
 Data File : BF113014.D
 Acq On : 12 Mar 2019 20:32
 Operator : JU/SJ
 Sample : K1844-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1-4

Quant Time: Mar 13 03:58:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	179529	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	615410	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	273004	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	494358	20.00	ng	0.00
76) Chrysene-d12	13.86	240	496894	20.00	ng	0.00
87) Perylene-d12	15.27	264	371806	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	675552	58.53	ng	0.00
7) Phenol-d6	6.37	99	520029	35.87	ng	0.00
23) Nitrobenzene-d5	7.29	82	989788	96.24	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	405334	139.85	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1618867	104.51	ng	0.00
79) Terphenyl-d14	12.82	244	1672908	65.26	ng	0.00

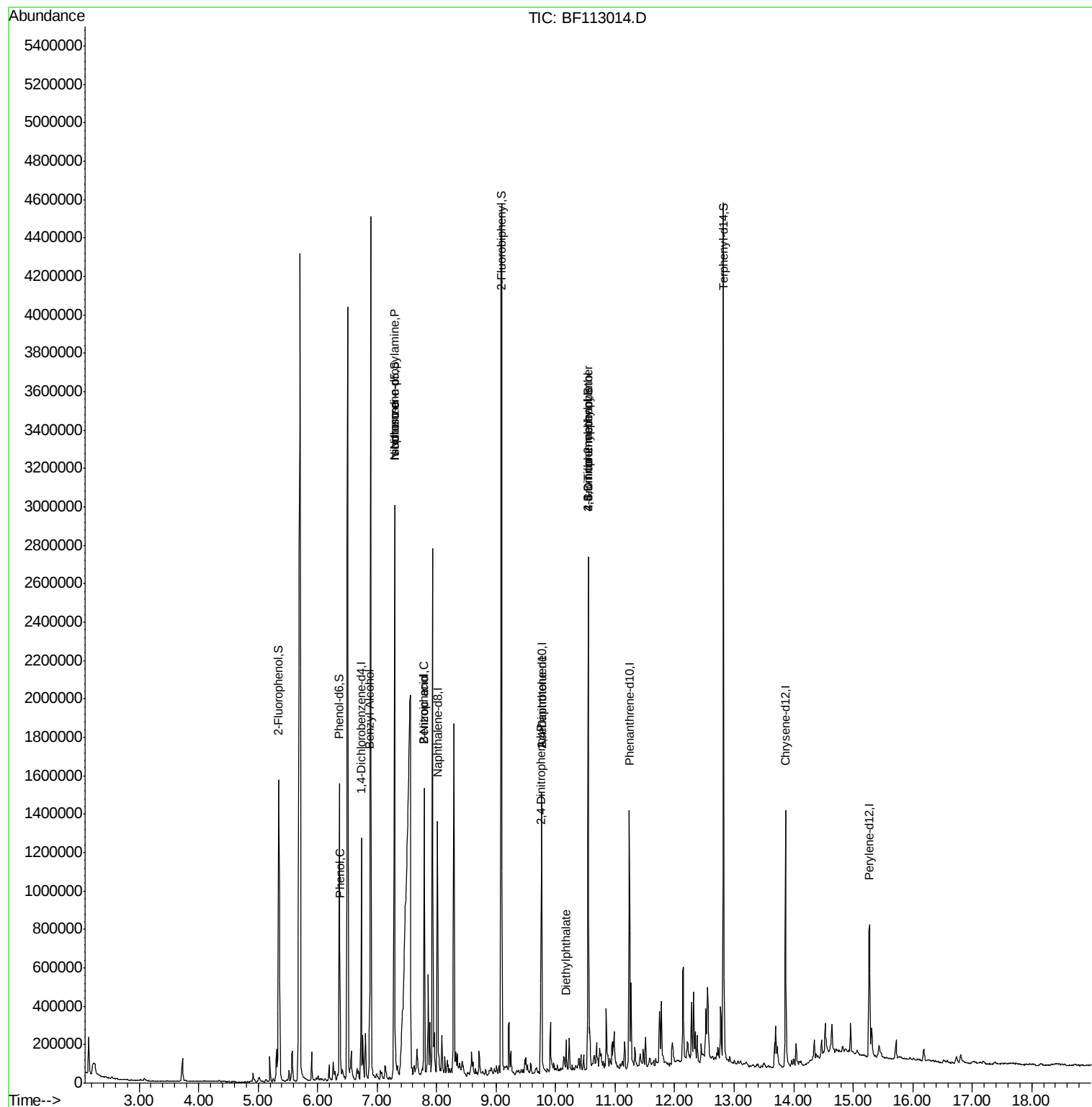
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.38	94	38513	2.276	ng	94
15) Benzyl Alcohol	6.87	79	79510	7.192	ng	94
19) n-Nitroso-di-n-propylamine	7.29	70	132147	14.392	ng	# 78
25) Isophorone	7.29	82	965412	43.572	ng	# 66
26) 2-Nitrophenol	7.79	139	63135	13.250	ng	# 47
32) Benzoic acid	7.79	122	29544	4.755	ng	96
54) 2,4-Dinitrophenol	9.75	184	113	6.514	ng	# 23
57) 2,4-Dinitrotoluene	9.76	165	35682	6.848	ng	# 18
60) Diethylphthalate	10.18	149	46714	2.197	ng	99
65) 4,6-Dinitro-2-methylphenol	10.55	198	668	4.910	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	23023	4.421	ng	# 1

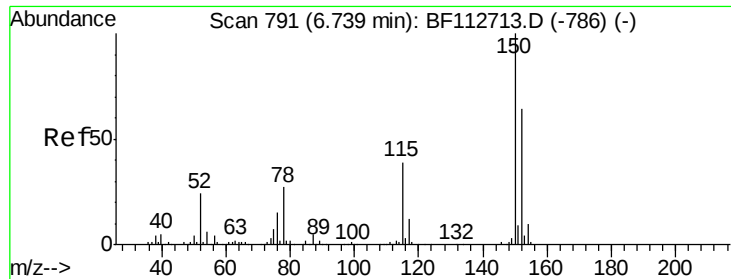
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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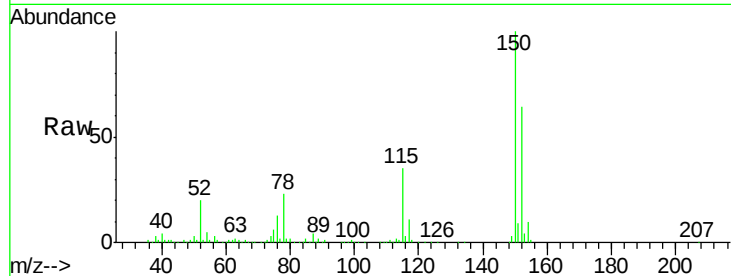


#1

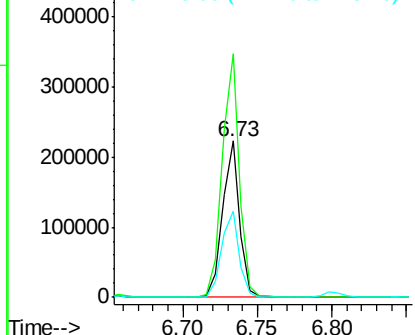
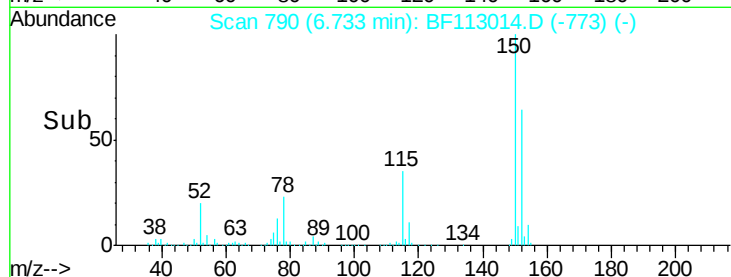
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF113014.D
Acq: 12 Mar 2019 20:32

Instrument :
BNA_F
ClientSampleId :
DRUM-1-4

Tgt Ion:152 Resp: 179529
Ion Ratio Lower Upper
152 100
150 155.7 124.2 186.2
115 55.2 48.2 72.4



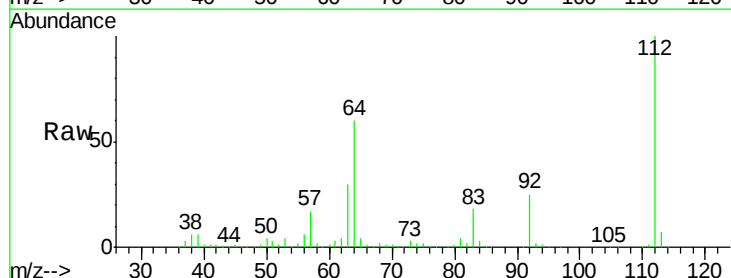
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



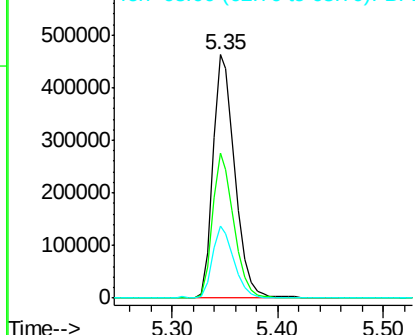
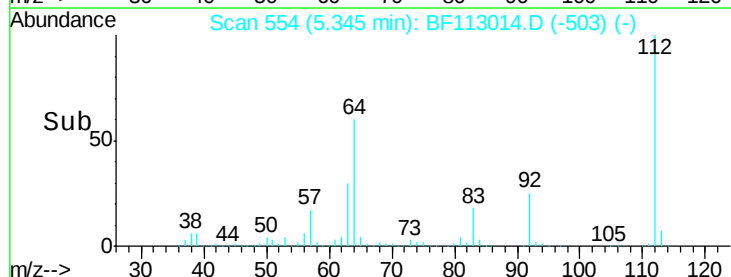
#5

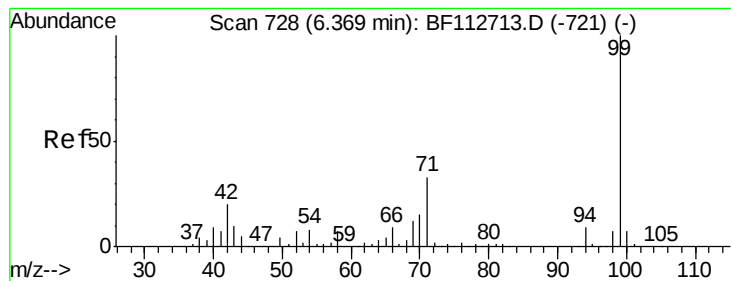
2-Fluorophenol
Concen: 58.534 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF113014.D
Acq: 12 Mar 2019 20:32

Tgt Ion:112 Resp: 675552
Ion Ratio Lower Upper
112 100
64 59.8 47.6 71.4
63 29.7 24.4 36.6



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: 35.870 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113014.D

Acq: 12 Mar 2019 20:32

Instrument :

BNA_F

ClientSampleId :

DRUM-1-4

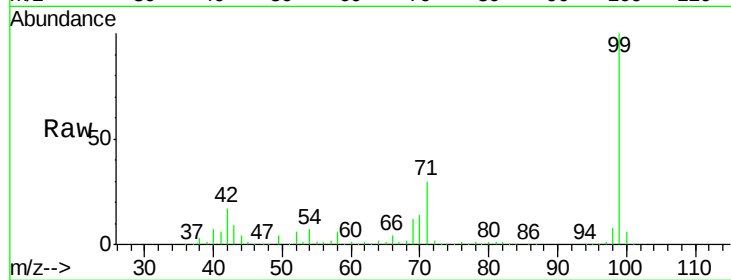
Tgt Ion: 99 Resp: 520029

Ion Ratio Lower Upper

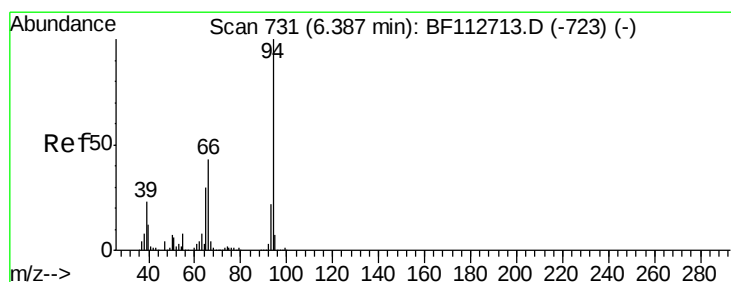
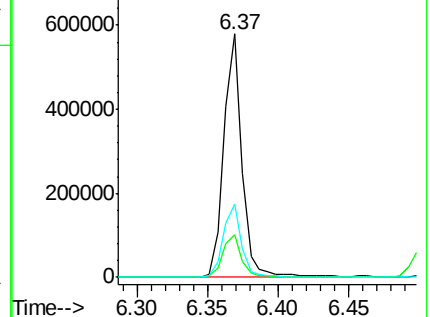
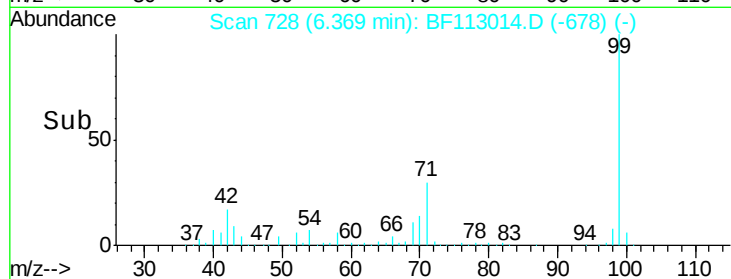
99 100

42 17.4 16.3 24.5

71 30.2 26.2 39.4



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: 2.276 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF113014.D

Acq: 12 Mar 2019 20:32

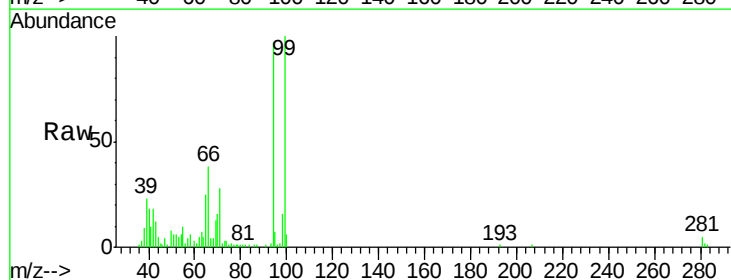
Tgt Ion: 94 Resp: 38513

Ion Ratio Lower Upper

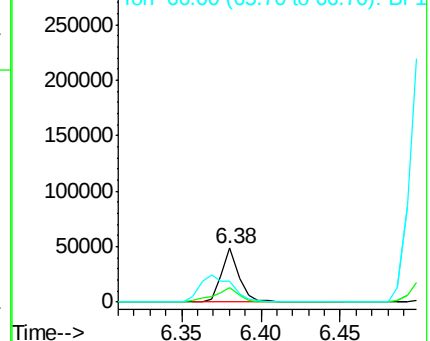
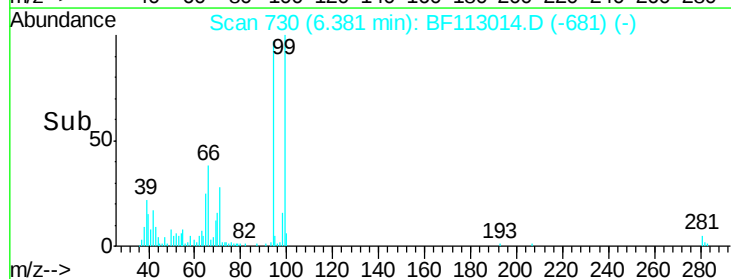
94 100

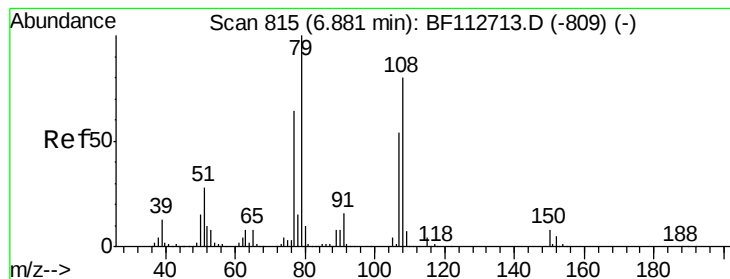
65 26.0 10.5 50.5

66 39.6 22.6 62.6



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: 7.192 ng

RT: 6.87 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF113014.D

Acq: 12 Mar 2019 20:32

Instrument :

BNA_F

ClientSampleId :

DRUM-1-4

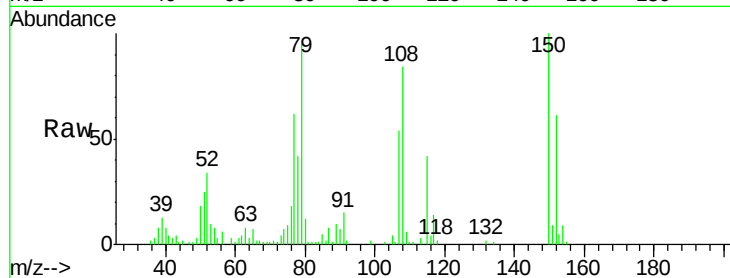
Tgt Ion: 79 Resp: 79510

Ion Ratio Lower Upper

79 100

108 88.3 64.2 96.4

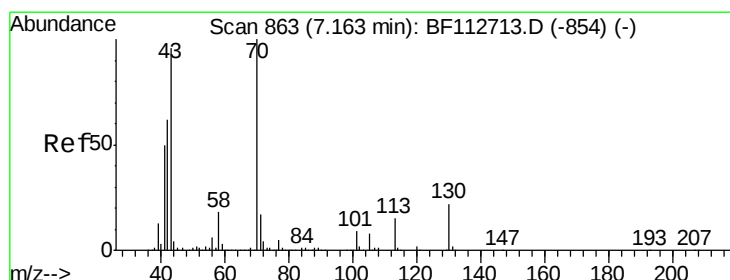
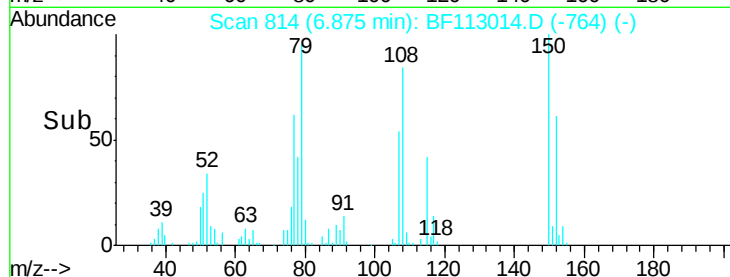
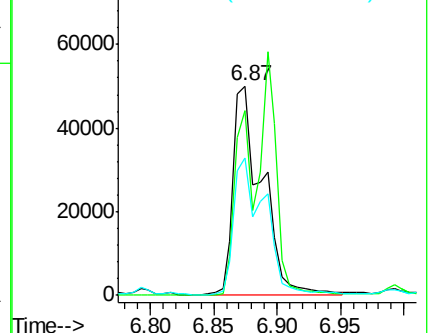
77 65.4 51.1 76.7



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: 14.392 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF113014.D

Acq: 12 Mar 2019 20:32

Tgt Ion: 70 Resp: 132147

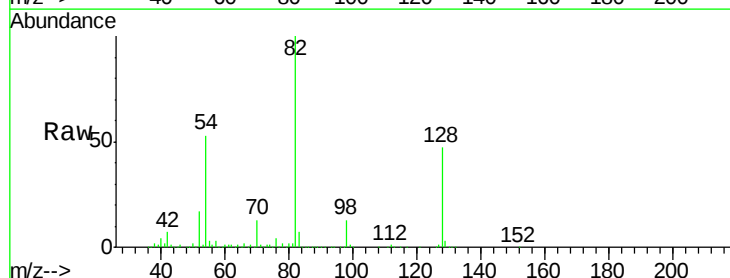
Ion Ratio Lower Upper

70 100

42 50.9 49.9 74.9

101 0.0 7.4 11.2#

130 2.2 17.4 26.2#

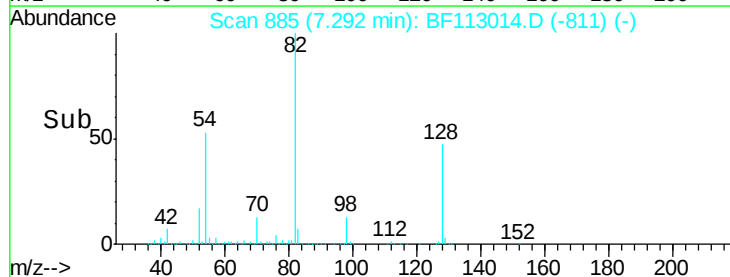
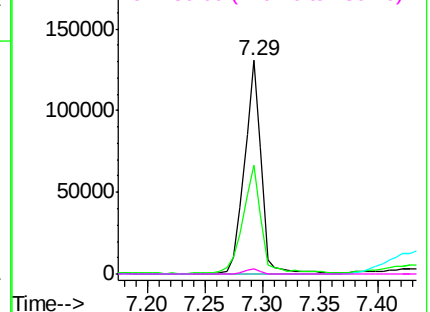


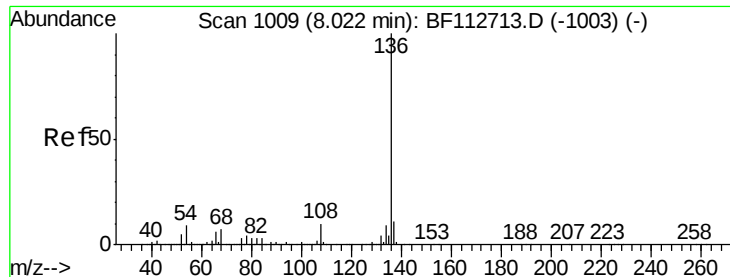
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

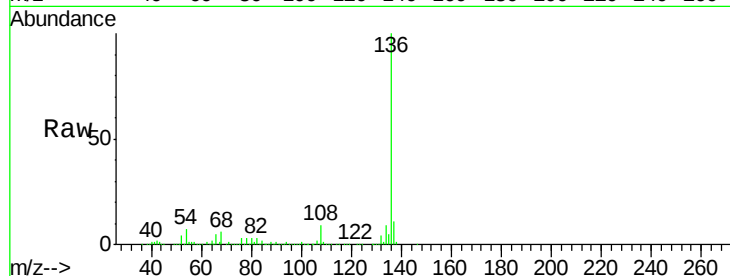




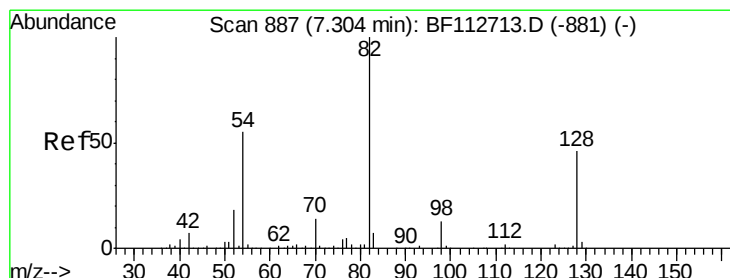
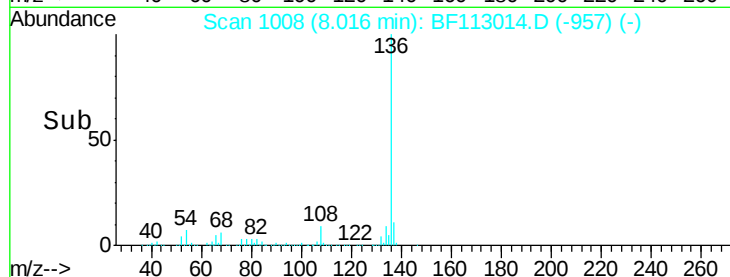
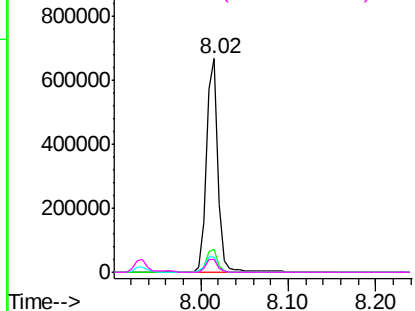
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF113014.D
Acq: 12 Mar 2019 20:32

Instrument :
BNA_F
ClientSampleId :
DRUM-1-4

Tgt Ion:	136	Resp:	615410
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.3	7.3	10.9
68	5.9	5.4	8.2

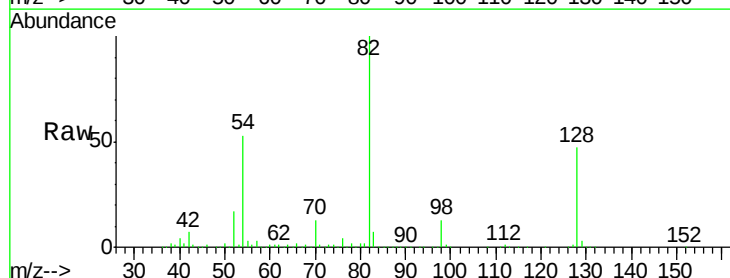


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

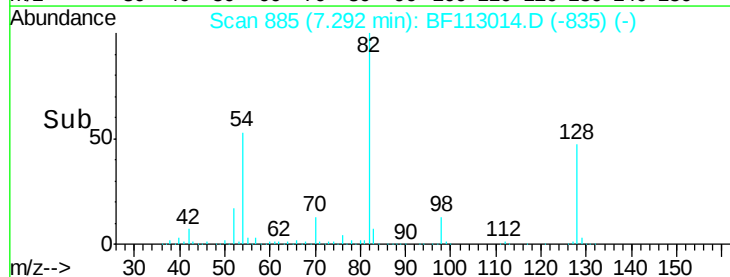
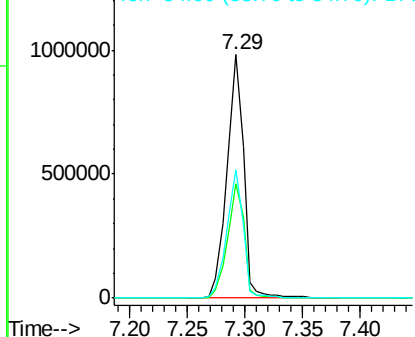


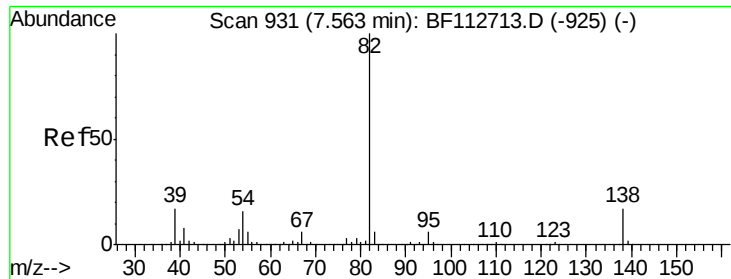
#23
Nitrobenzene-d5
Concen: 96.240 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF113014.D
Acq: 12 Mar 2019 20:32

Tgt Ion:	82	Resp:	989788
Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.3	54.5
54	52.6	43.7	65.5



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: 43.572 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF113014.D

Acq: 12 Mar 2019 20:32

Instrument :

BNA_F

ClientSampleId :

DRUM-1-4

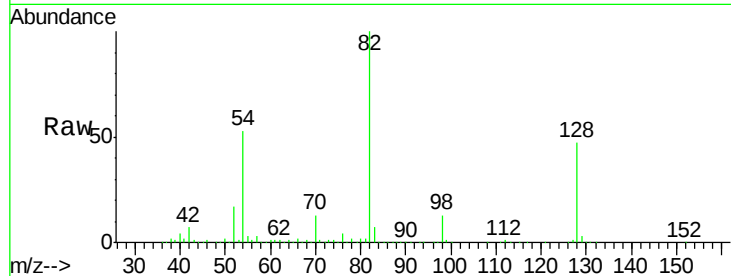
Tgt Ion: 82 Resp: 965412

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

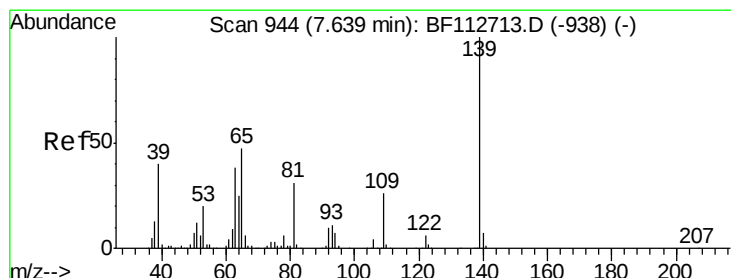
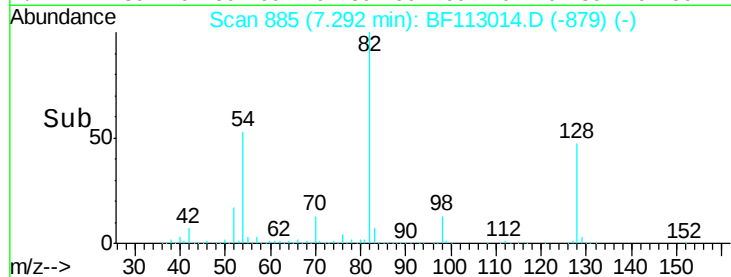
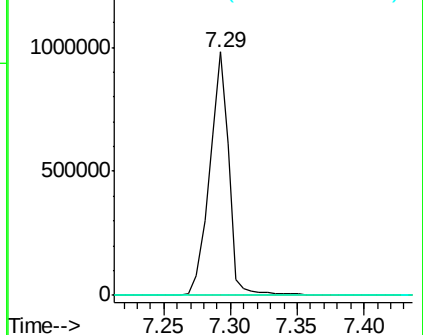
138 0.0 13.8 20.8#



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



#26

2-Nitrophenol

Concen: 13.250 ng

RT: 7.79 min Scan# 970

Delta R.T. 0.16 min

Lab File: BF113014.D

Acq: 12 Mar 2019 20:32

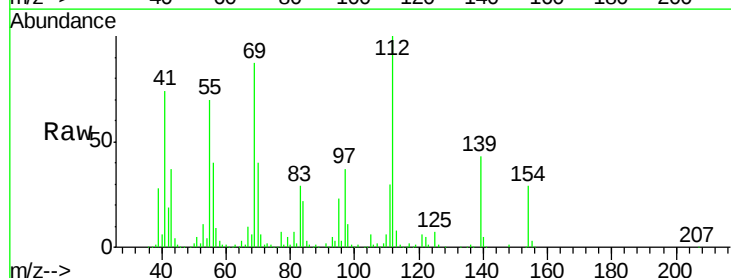
Tgt Ion: 139 Resp: 63135

Ion Ratio Lower Upper

139 100

109 5.7 20.6 31.0#

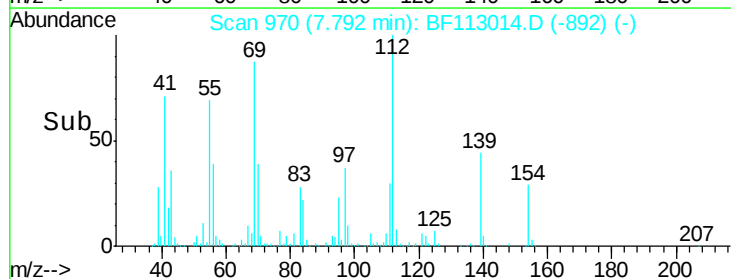
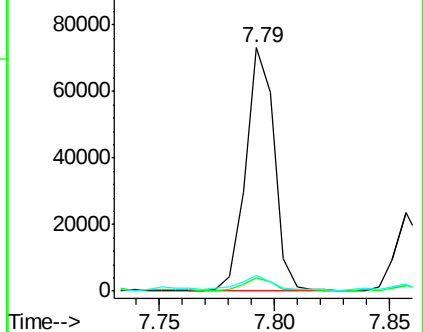
65 6.7 37.9 56.9#

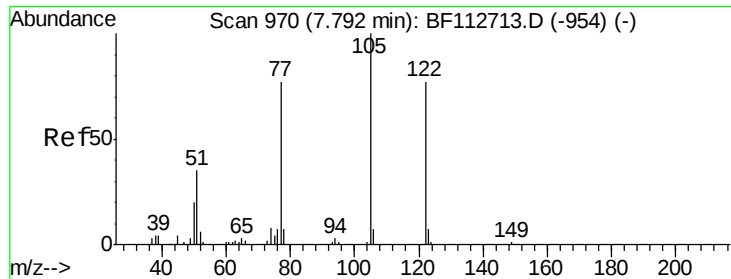


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

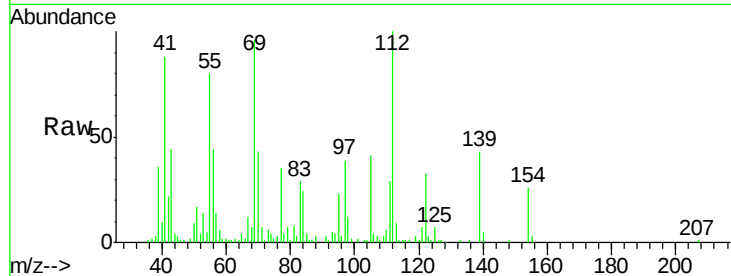




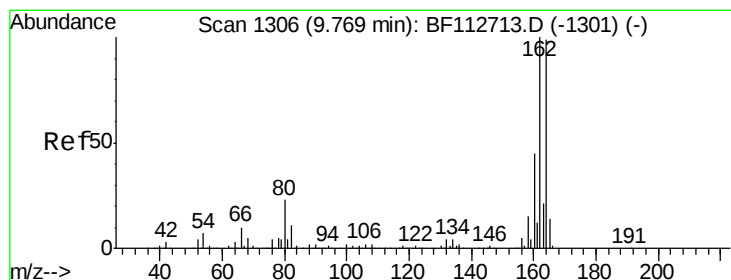
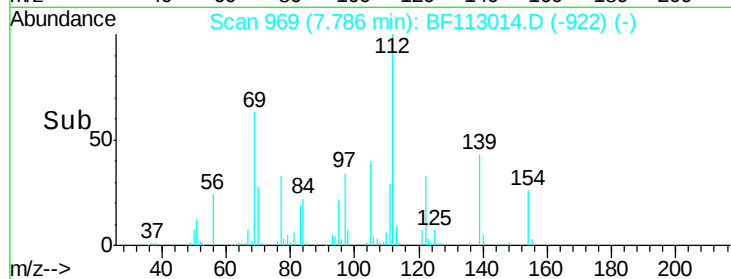
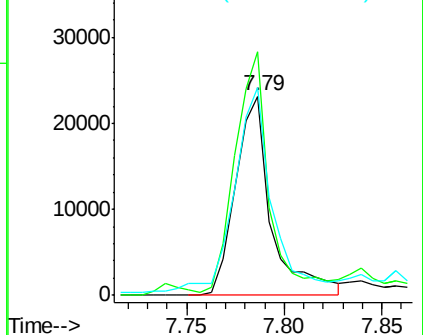
#32
Benzoic acid
Concen: 4.755 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF113014.D
Acq: 12 Mar 2019 20:32

Instrument :
BNA_F
ClientSampleId :
DRUM-1-4

Tgt Ion:122 Resp: 29544
Ion Ratio Lower Upper
122 100
105 122.3 106.8 146.8
77 104.5 79.4 119.4

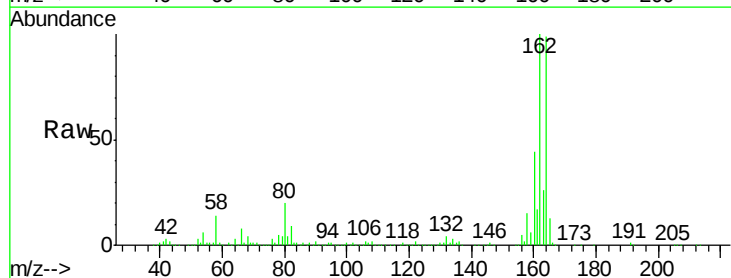


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

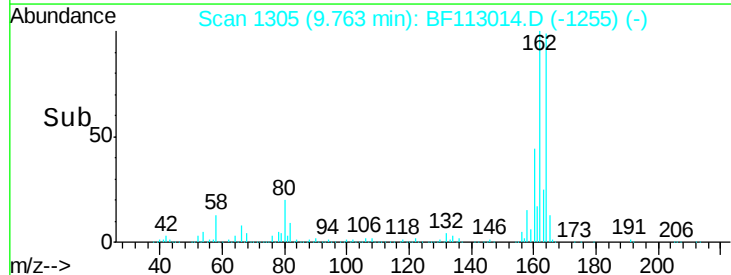
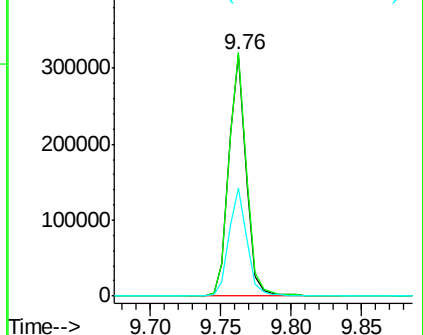


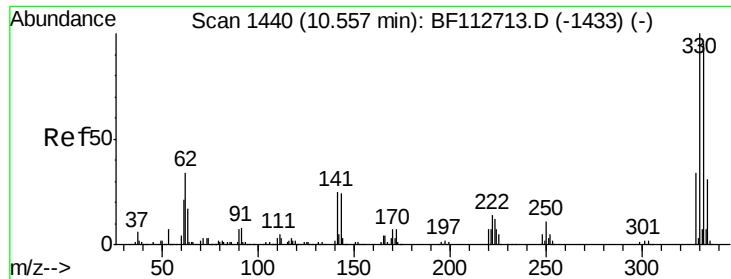
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF113014.D
Acq: 12 Mar 2019 20:32

Tgt Ion:164 Resp: 273004
Ion Ratio Lower Upper
164 100
162 101.0 80.6 120.8
160 44.6 36.0 54.0



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





#42

2,4,6-Tribromophenol

Concen: 139.853 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BF113014.D

Acq: 12 Mar 2019 20:32

Instrument :

BNA_F

ClientSampled :

DRUM-1-4

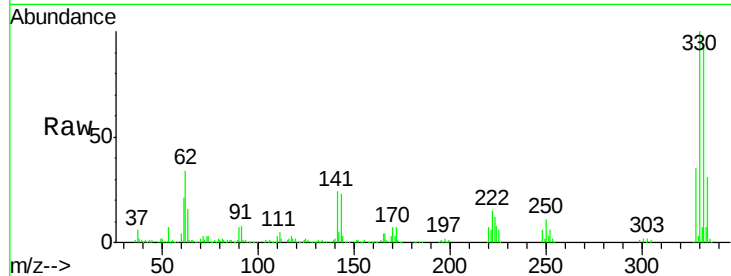
Tgt Ion:330 Resp: 405334

Ion Ratio Lower Upper

330 100

332 95.5 76.2 114.4

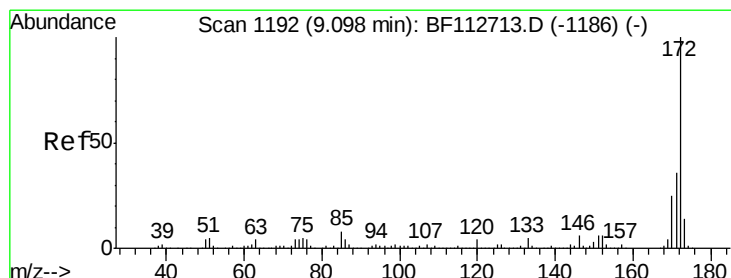
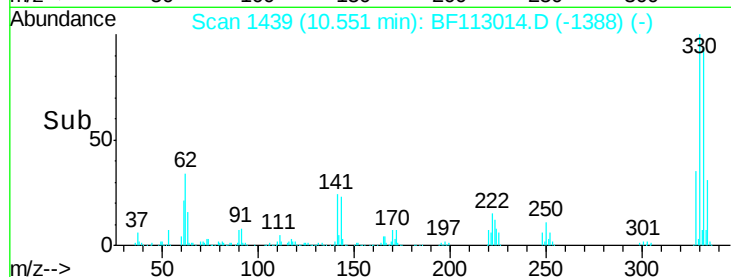
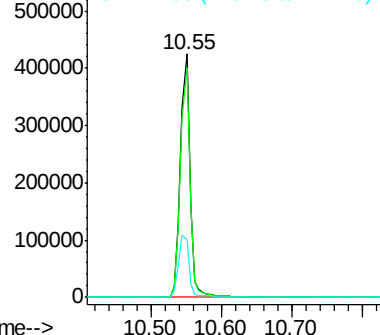
141 27.7 27.0 40.6



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: 104.513 ng

RT: 9.09 min Scan# 1191

Delta R.T. -0.00 min

Lab File: BF113014.D

Acq: 12 Mar 2019 20:32

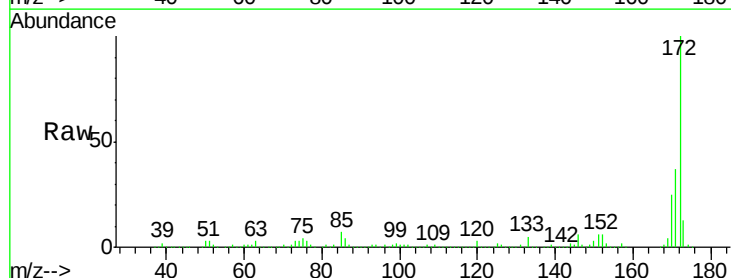
Tgt Ion:172 Resp: 1618867

Ion Ratio Lower Upper

172 100

171 36.6 29.0 43.4

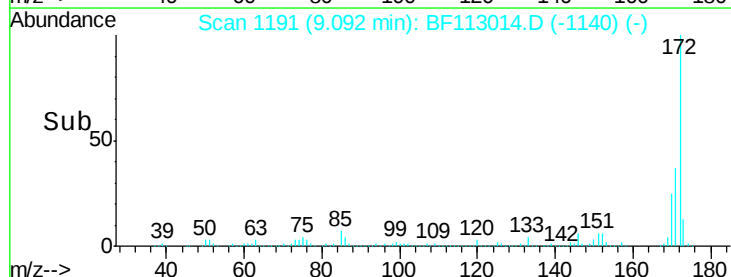
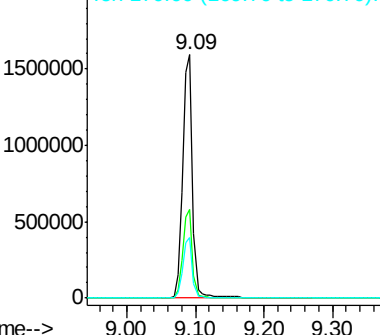
170 24.7 20.0 30.0

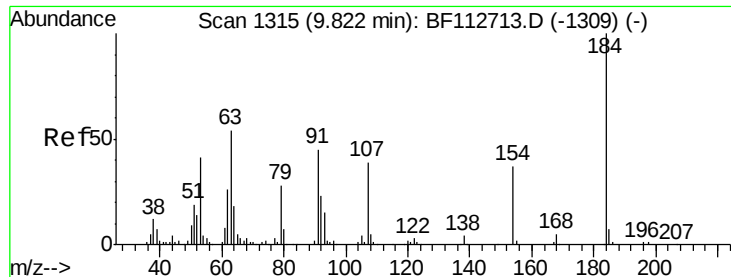


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#54

2,4-Dinitrophenol

Concen: 6.514 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.08 min

Lab File: BF113014.D

Acq: 12 Mar 2019 20:32

Instrument :

BNA_F

ClientSampleId :

DRUM-1-4

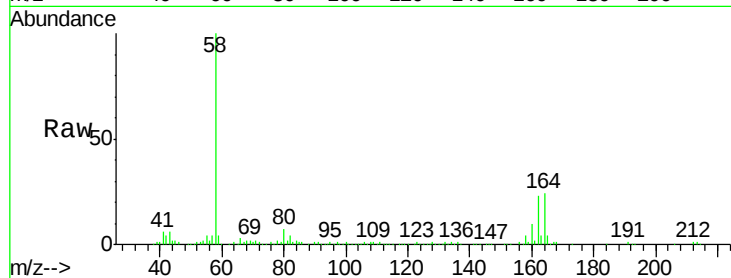
Tgt Ion:184 Resp: 113

Ion Ratio Lower Upper

184 100

63 0.0 45.3 67.9#

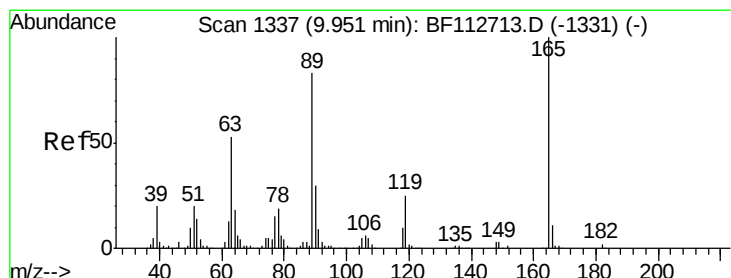
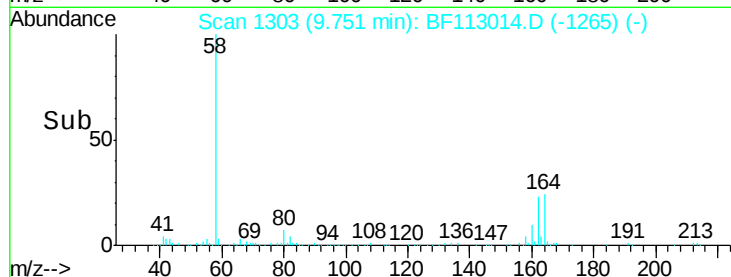
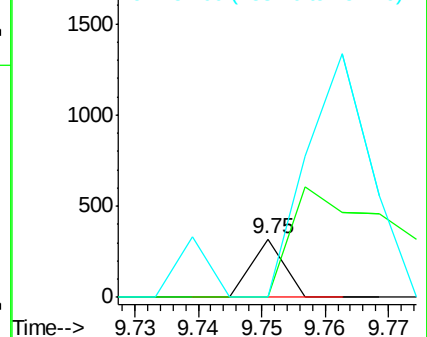
154 0.0 46.0 69.0#



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



#57

2,4-Dinitrotoluene

Concen: 6.848 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.19 min

Lab File: BF113014.D

Acq: 12 Mar 2019 20:32

Tgt Ion:165 Resp: 35682

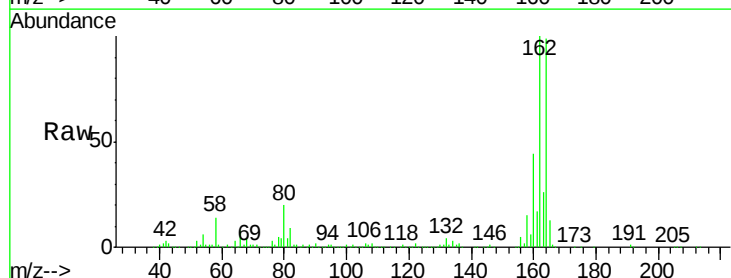
Ion Ratio Lower Upper

165 100

63 1.1 42.2 63.2#

89 1.7 66.2 99.4#

182 0.0 1.8 2.6#

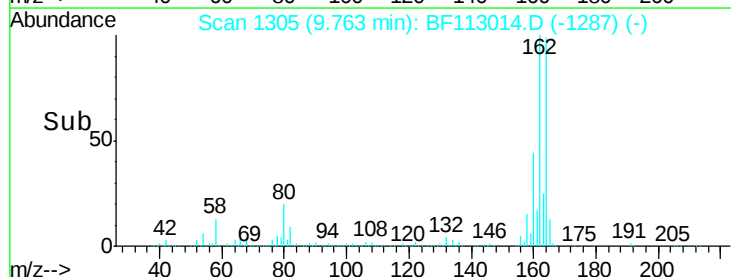
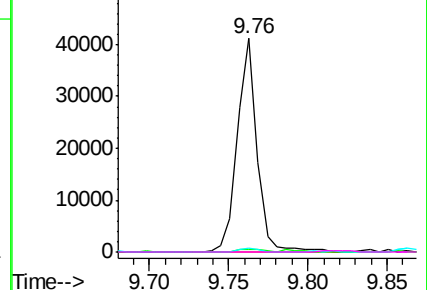


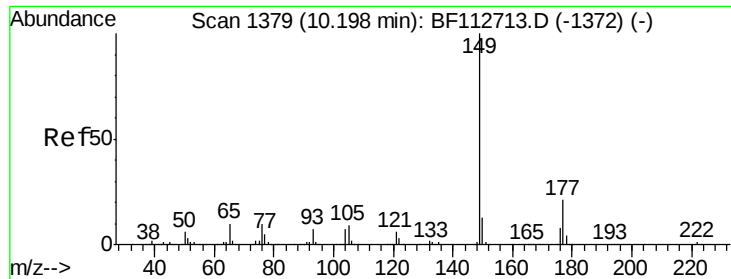
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

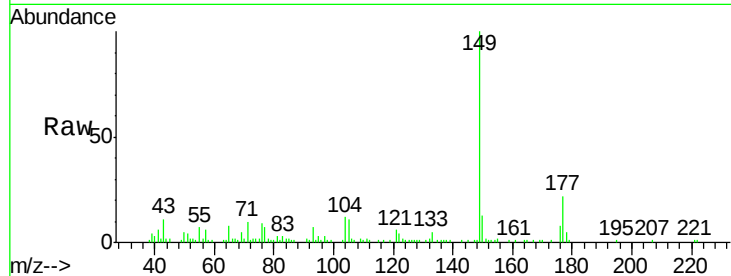




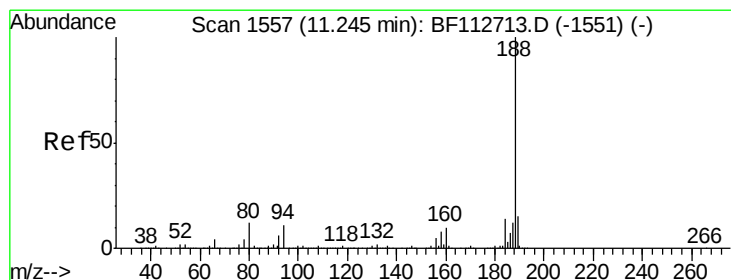
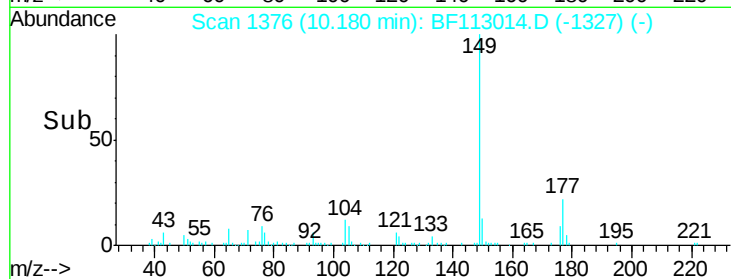
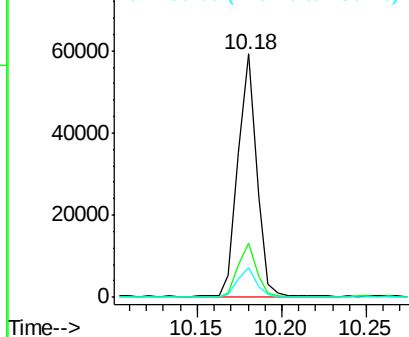
#60
Diethylphthalate
Concen: 2.197 ng
RT: 10.18 min Scan# 1376
Delta R.T. -0.01 min
Lab File: BF113014.D
Acq: 12 Mar 2019 20:32

Instrument :
BNA_F
ClientSampleId :
DRUM-1-4

Tgt Ion:149 Resp: 46714
Ion Ratio Lower Upper
149 100
177 22.2 17.0 25.6
150 12.5 10.0 15.0

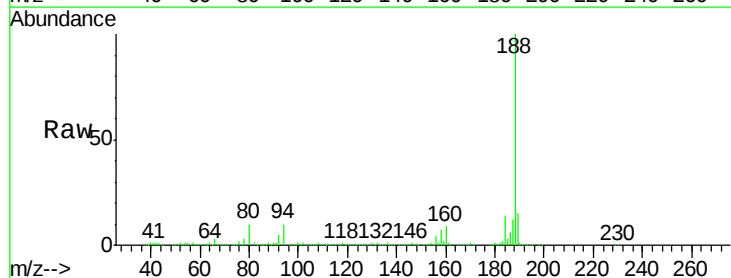


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

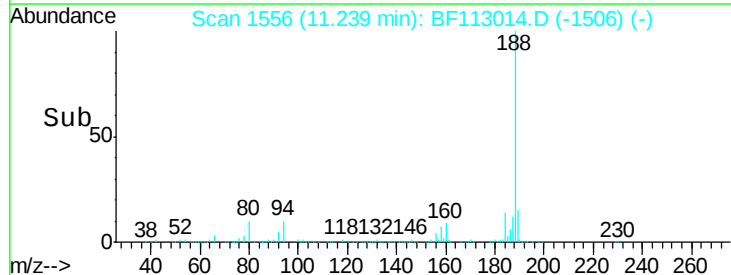
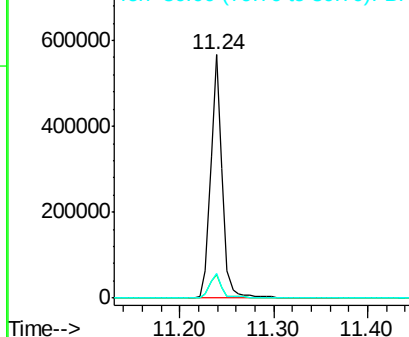


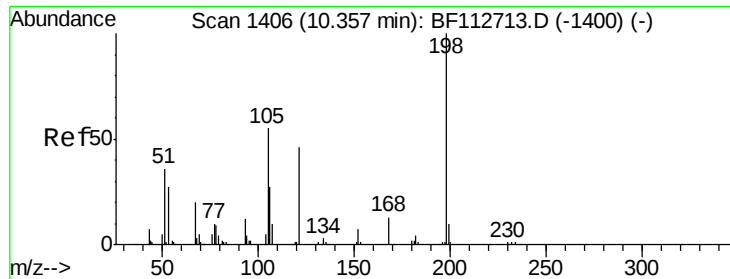
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF113014.D
Acq: 12 Mar 2019 20:32

Tgt Ion:188 Resp: 494358
Ion Ratio Lower Upper
188 100
94 9.7 9.0 13.4
80 10.1 9.2 13.8



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: 4.910 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.19 min

Lab File: BF113014.D

Acq: 12 Mar 2019 20:32

Instrument :

BNA_F

ClientSampleId :

DRUM-1-4

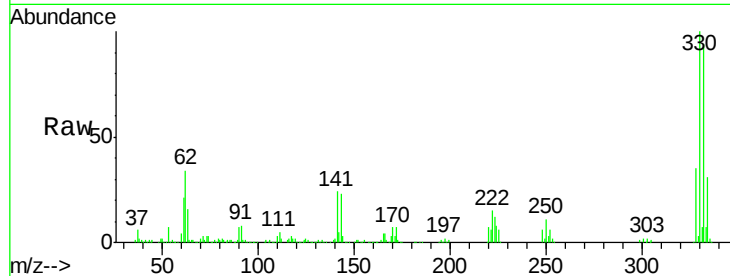
Tgt Ion:198 Resp: 668

Ion Ratio Lower Upper

198 100

51 191.6 43.8 83.8#

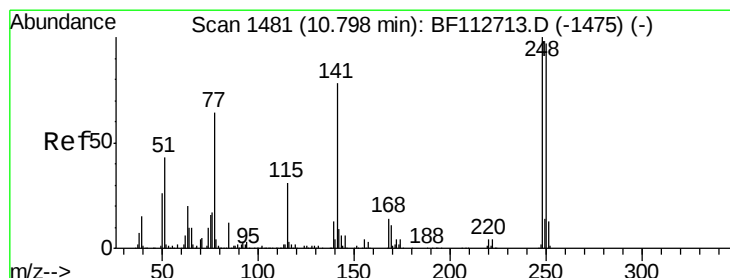
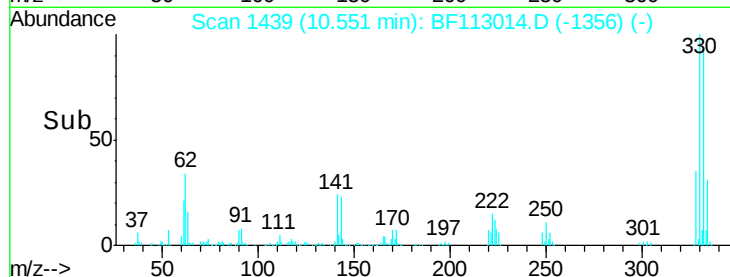
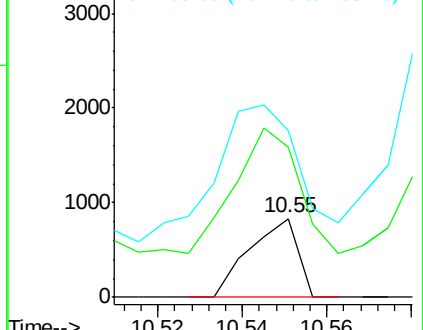
105 212.5 36.5 76.5#



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: 4.421 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.24 min

Lab File: BF113014.D

Acq: 12 Mar 2019 20:32

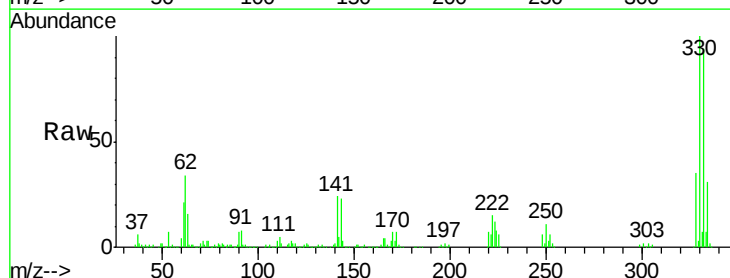
Tgt Ion:248 Resp: 23023

Ion Ratio Lower Upper

248 100

250 193.9 77.5 116.3#

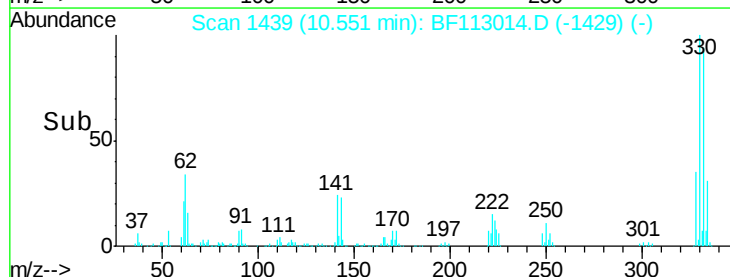
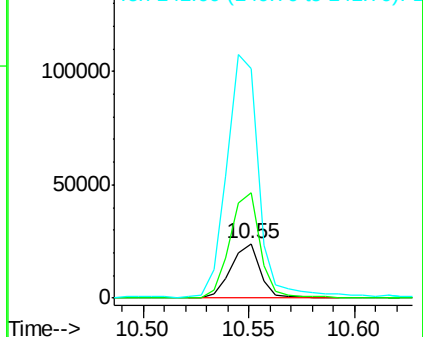
141 420.9 62.4 93.6#

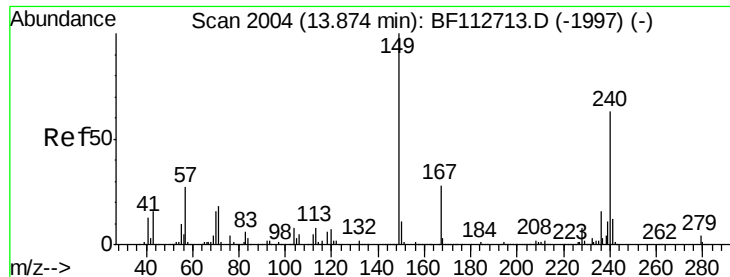


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113014.D

Acq: 12 Mar 2019 20:32

Instrument :

BNA_F

ClientSampleId :

DRUM-1-4

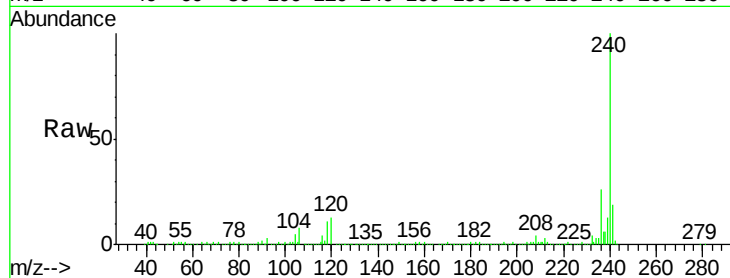
Tgt Ion:240 Resp: 496894

Ion Ratio Lower Upper

240 100

120 12.5 8.9 13.3

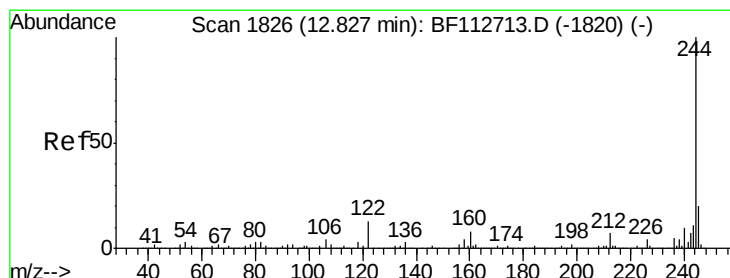
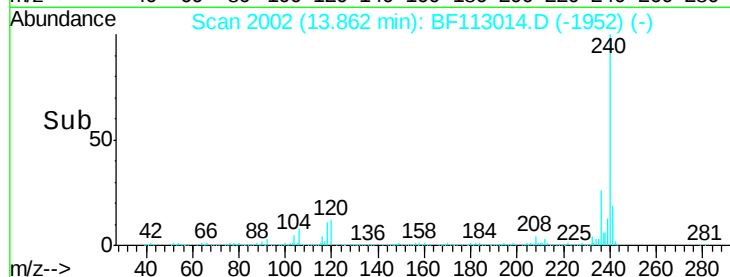
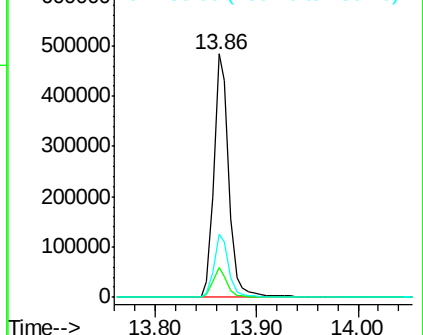
236 26.1 20.7 31.1



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: 65.264 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF113014.D

Acq: 12 Mar 2019 20:32

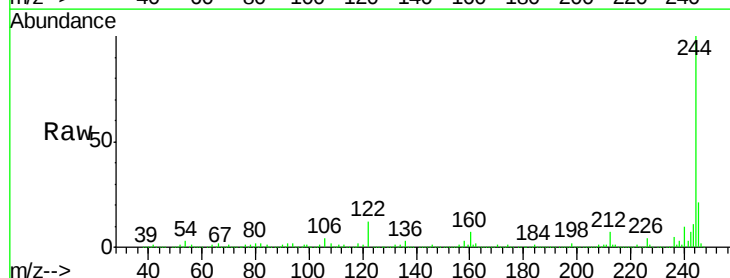
Tgt Ion:244 Resp: 1672908

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

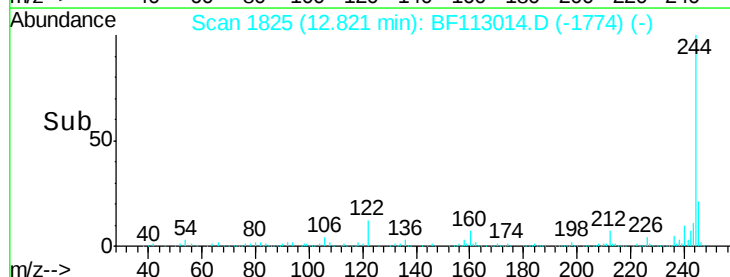
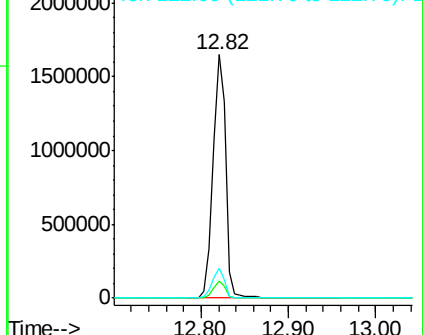
122 12.1 10.5 15.7

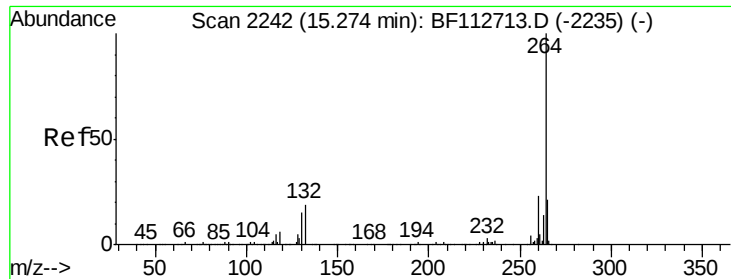


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113014.D
Acq: 12 Mar 2019 20:32

Instrument :
BNA_F
ClientSampleId :
DRUM-1-4

Tgt Ion: 264 Resp: 371806

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	21.3	17.2	25.8

