

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031419\
 Data File : BF113052.D
 Acq On : 14 Mar 2019 16:23
 Operator : JU/SJ
 Sample : K1866-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-01-COMP

Quant Time: Mar 15 06:42:57 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	202739	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	762023	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	358275	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	742469	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	709597	20.00	ng	0.00
87) Perylene-d12	15.27	264	714389	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1139800	87.45	ng	0.00
7) Phenol-d6	6.37	99	1510755	92.28	ng	0.00
23) Nitrobenzene-d5	7.29	82	911177	71.55	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	473287	124.43	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1597596	70.67	ng	0.00
79) Terphenyl-d14	12.82	244	1827772	49.93	ng	0.00

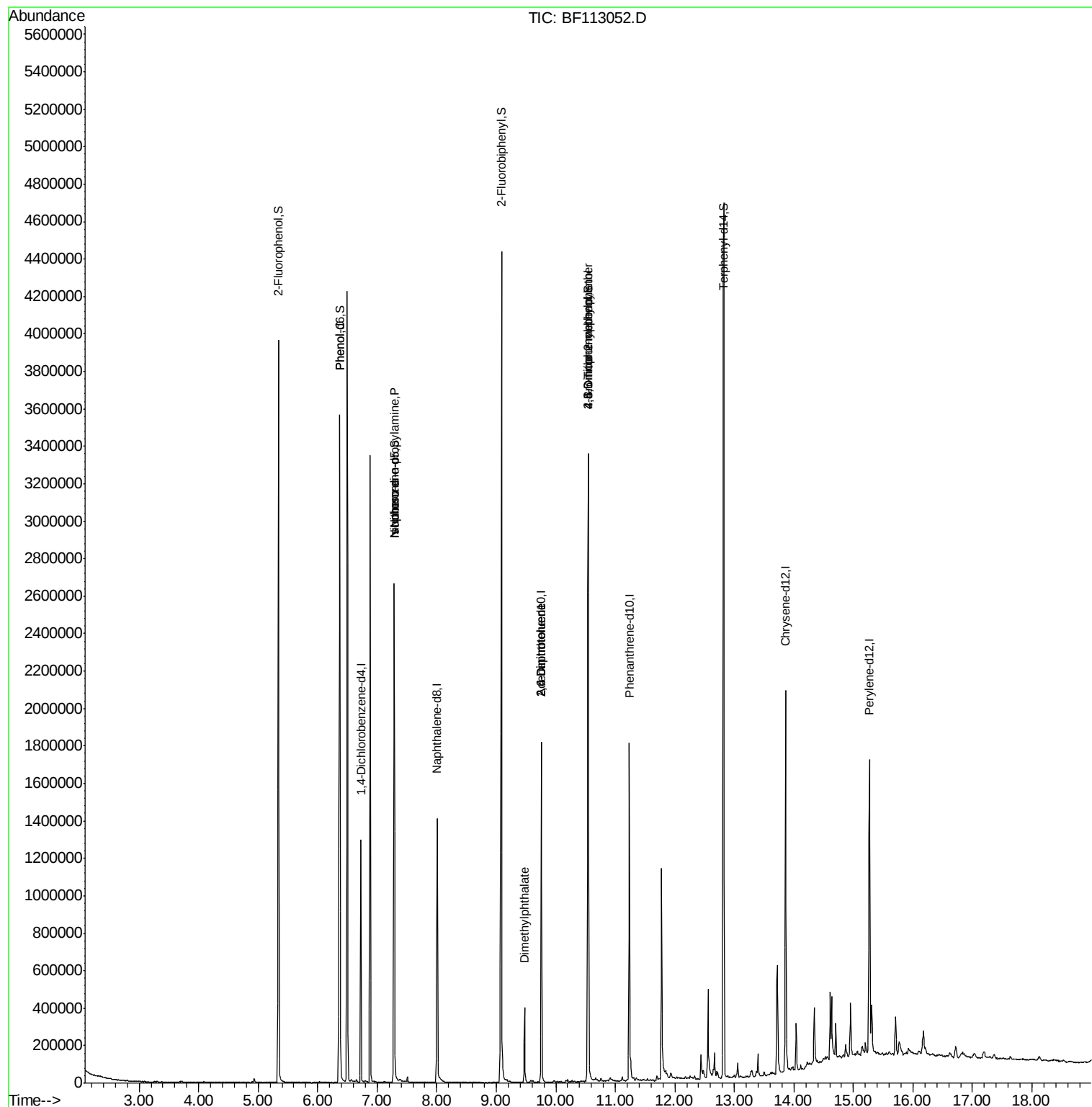
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.38	94	91092	4.768	ng	97
19) n-Nitroso-di-n-propylamine	7.29	70	118888	11.466	ng	# 76
25) Isophorone	7.29	82	884975	32.257	ng	# 66
50) Dimethylphthalate	9.47	163	165417	6.262	ng	98
51) 2,6-Dinitrotoluene	9.76	165	45794	8.324	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	45794	6.697	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.54	198	524	4.768	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	27353	3.498	ng	# 1

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

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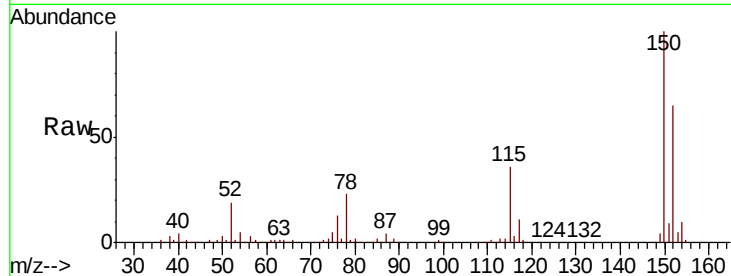


#1

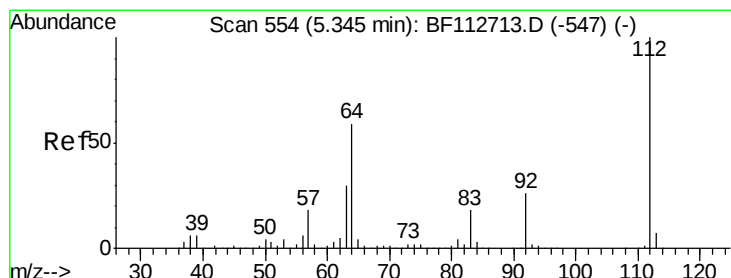
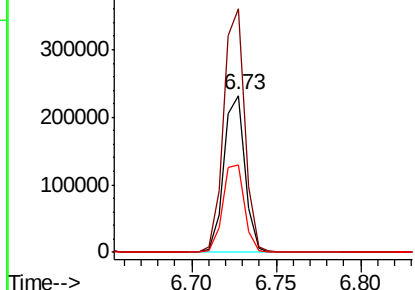
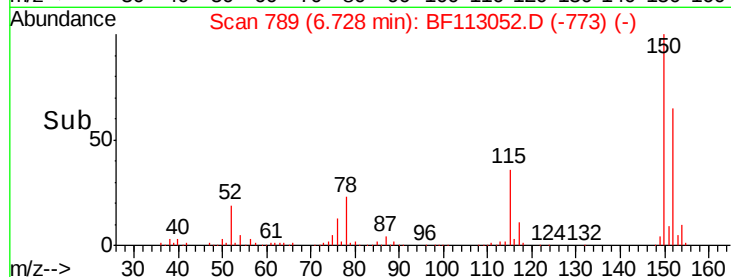
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF113052.D
 Acq: 14 Mar 2019 16:23

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-01-COMP

Tot Ion:152 Resp: 202739
 Ion Ratio Lower Upper
 152 100
 150 154.9 124.2 186.2
 115 55.7 48.2 72.4



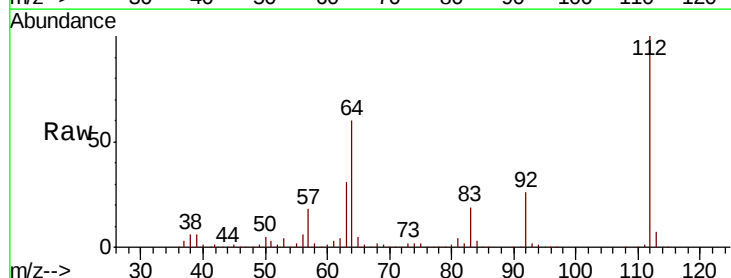
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



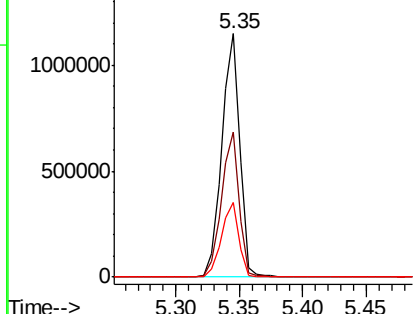
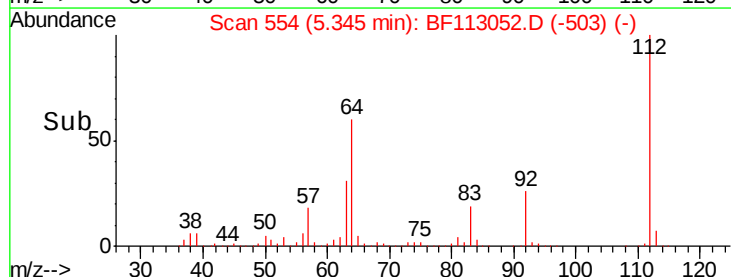
#5

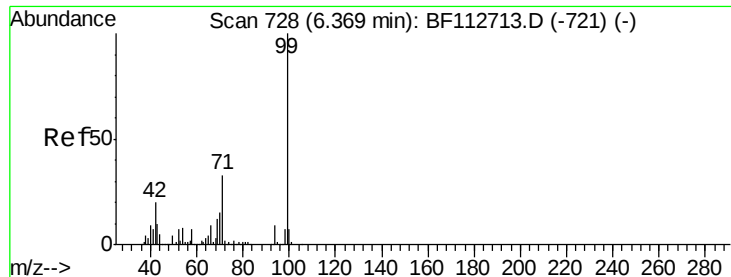
2-Fluorophenol
 Concen: 87.453 ng
 RT: 5.35 min Scan# 554
 Delta R.T. -0.00 min
 Lab File: BF113052.D
 Acq: 14 Mar 2019 16:23

Tgt Ion:112 Resp: 1139800
 Ion Ratio Lower Upper
 112 100
 64 59.5 47.6 71.4
 63 30.7 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: 92.277 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF113052.D

Acq: 14 Mar 2019 16:23

Instrument :

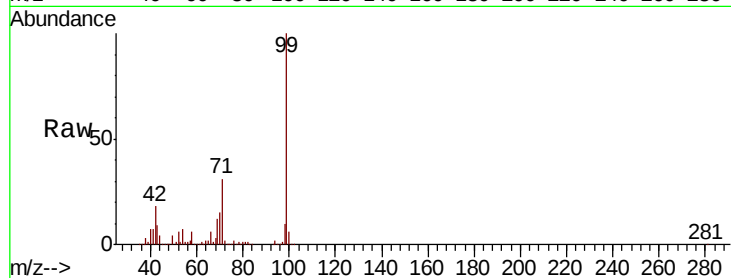
BNA_F

ClientSampleId :

MR-MH-01-COMP

Tot Ion: 99 Resp: 1510755

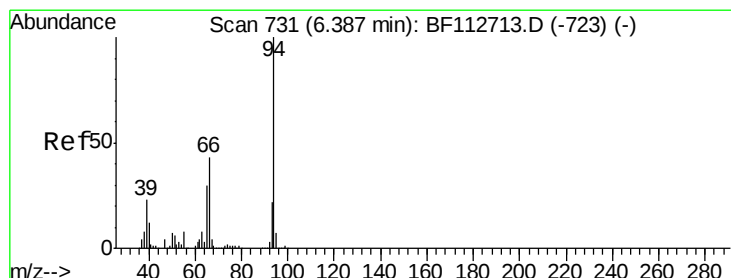
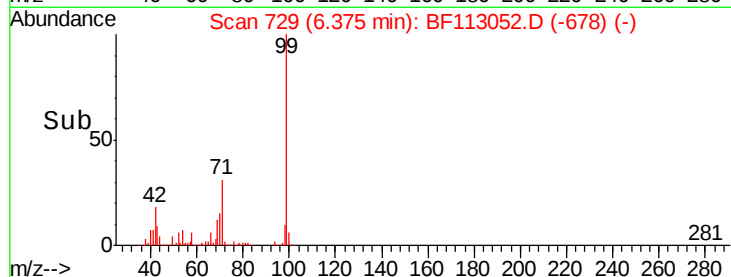
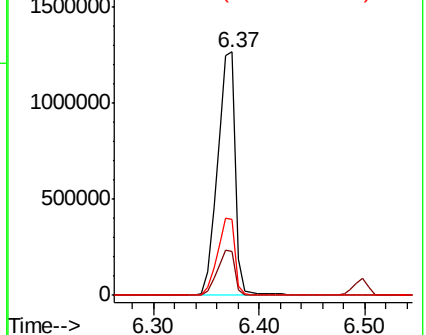
Ion	Ratio	Lower	Upper
99	100		
42	17.9	16.3	24.5
71	31.4	26.2	39.4



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: 4.768 ng

RT: 6.38 min Scan# 730

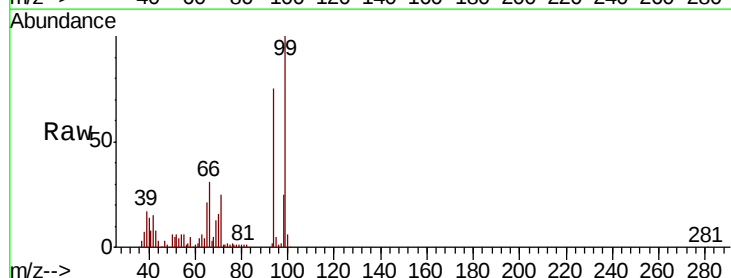
Delta R.T. -0.01 min

Lab File: BF113052.D

Acq: 14 Mar 2019 16:23

Tgt Ion: 94 Resp: 91092

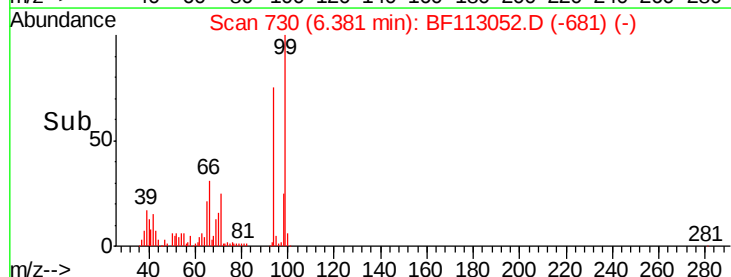
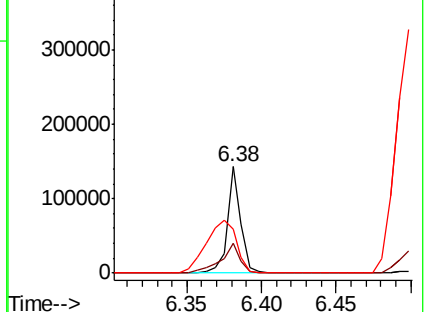
Ion	Ratio	Lower	Upper
94	100		
65	28.3	10.5	50.5
66	41.3	22.6	62.6



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

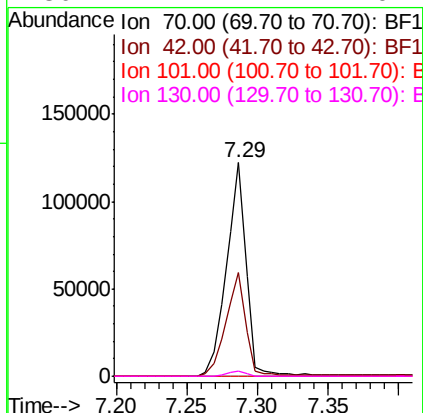
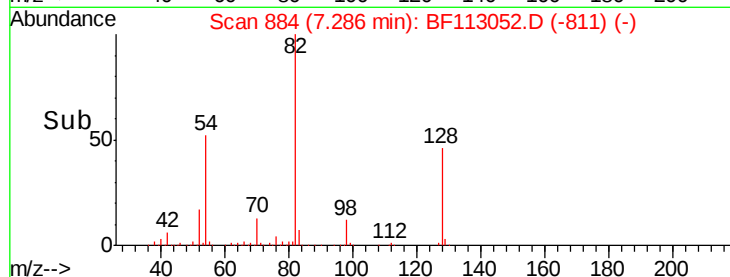
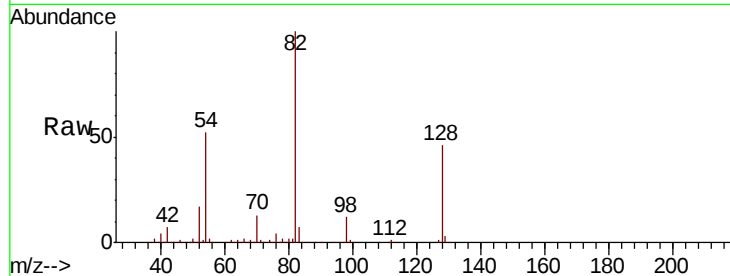




#19
n-Nitroso-di-n-propylamine
Concen: 11.466 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.13 min
Lab File: BF113052.D
Acq: 14 Mar 2019 16:23

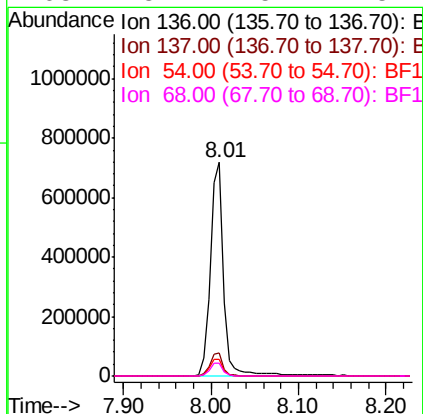
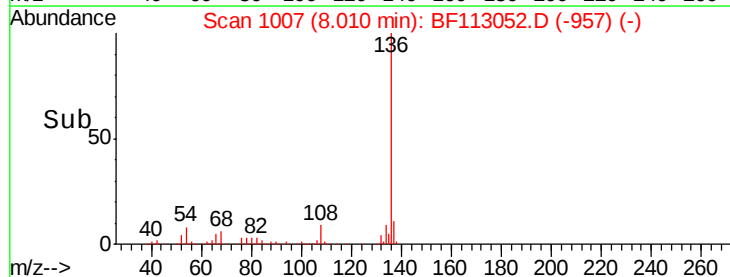
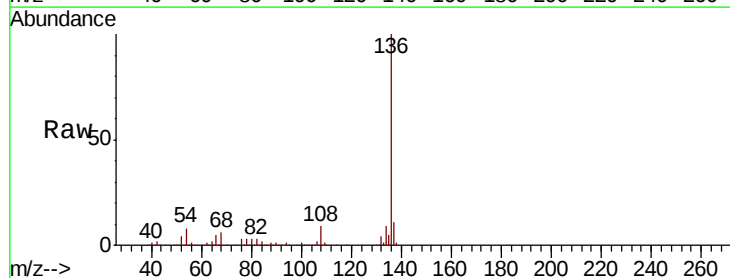
Instrument :
BNA_F
ClientSampleId :
MR-MH-01-COMP

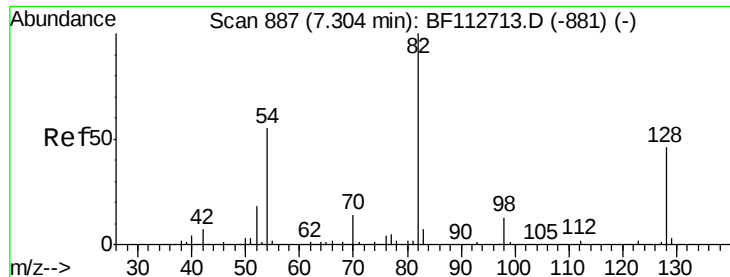
Tot Ion: 70 Resp: 118888
Ion Ratio Lower Upper
70 100
42 48.6 49.9 74.9#
101 0.0 7.4 11.2#
130 2.2 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113052.D
Acq: 14 Mar 2019 16:23

Tgt Ion: 136 Resp: 762023
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.6 7.3 10.9
68 5.7 5.4 8.2

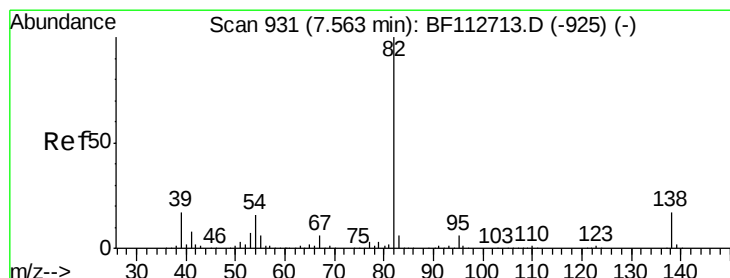
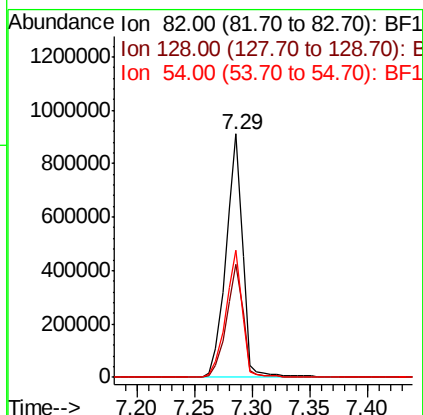
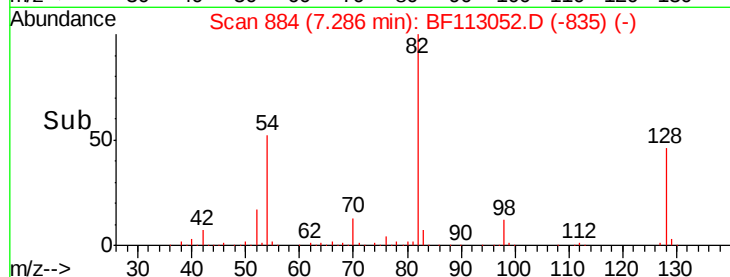
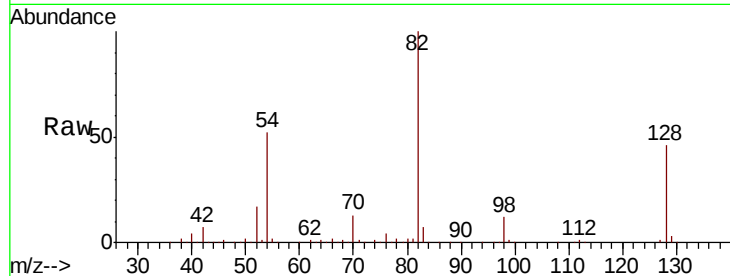




#23
Nitrobenzene-d5
Concen: 71.550 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113052.D
Acq: 14 Mar 2019 16:23

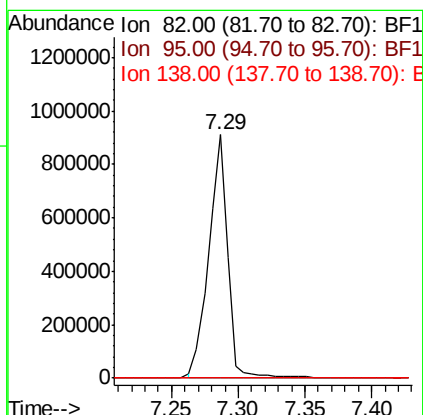
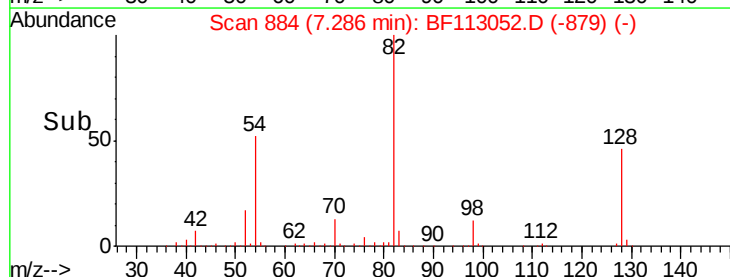
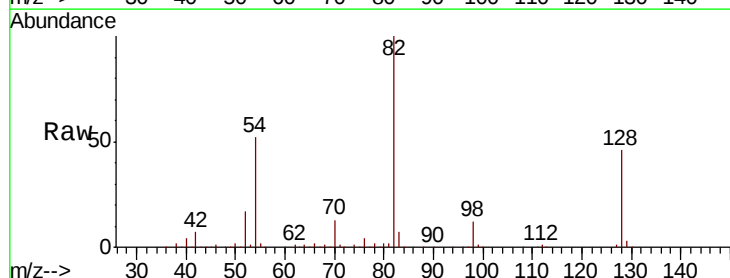
Instrument :
BNA_F
ClientSampleId :
MR-MH-01-COMP

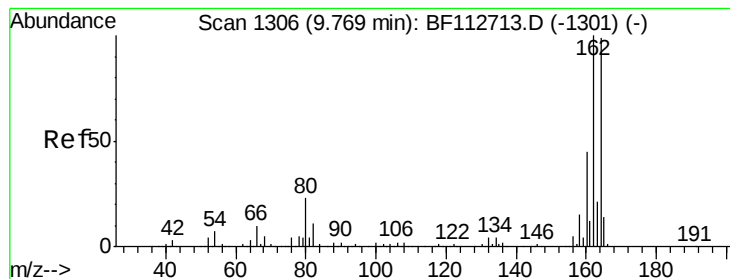
Tot Ion: 82 Resp: 911177
Ion Ratio Lower Upper
82 100
128 46.4 36.3 54.5
54 52.4 43.7 65.5



#25
Isophorone
Concen: 32.257 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.27 min
Lab File: BF113052.D
Acq: 14 Mar 2019 16:23

Tgt Ion: 82 Resp: 884975
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF113052.D

Acq: 14 Mar 2019 16:23

Instrument :

BNA_F

ClientSampleId :

MR-MH-01-COMP

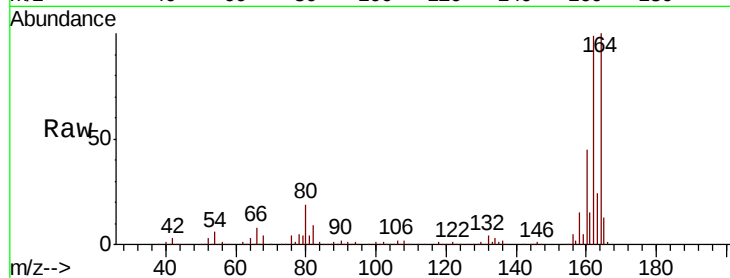
Tot Ion:164 Resp: 358275

Ion Ratio Lower Upper

164 100

162 98.8 80.6 120.8

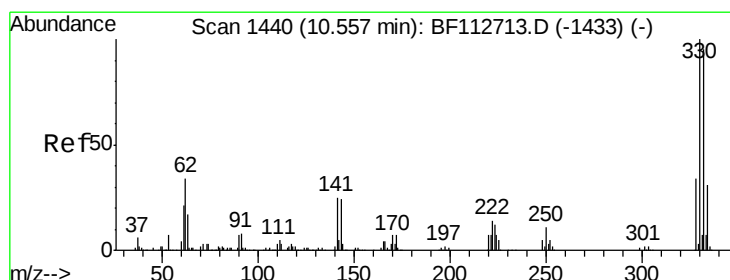
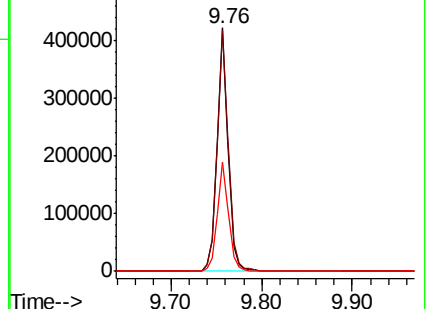
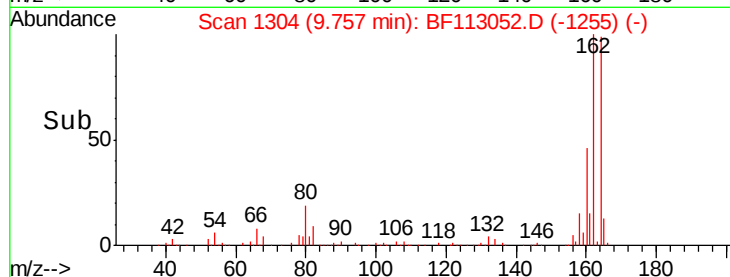
160 45.0 36.0 54.0



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: 124.433 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF113052.D

Acq: 14 Mar 2019 16:23

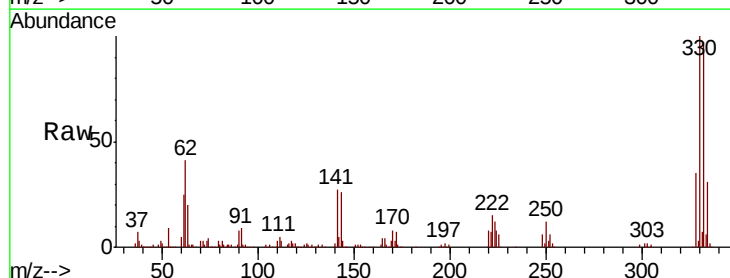
Tgt Ion:330 Resp: 473287

Ion Ratio Lower Upper

330 100

332 97.0 76.2 114.4

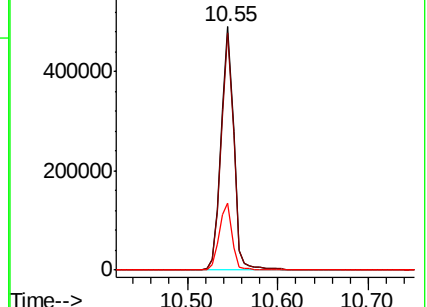
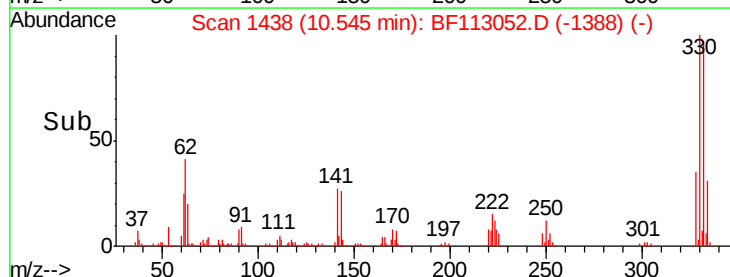
141 27.8 27.0 40.6

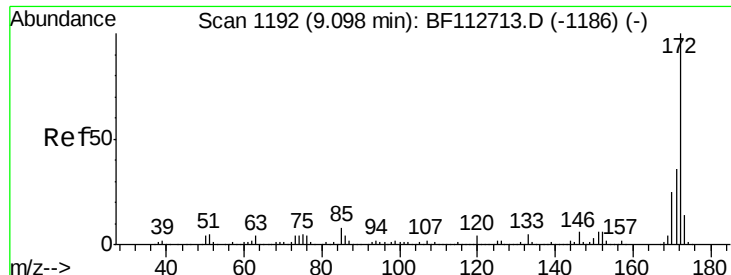


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

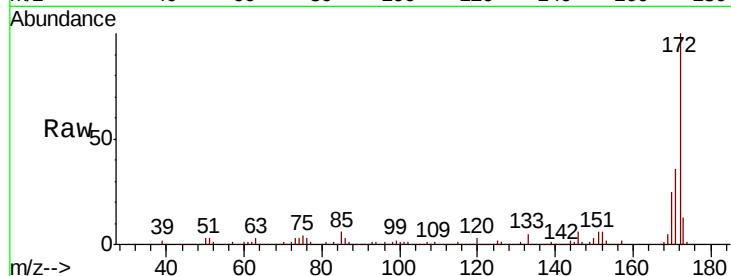




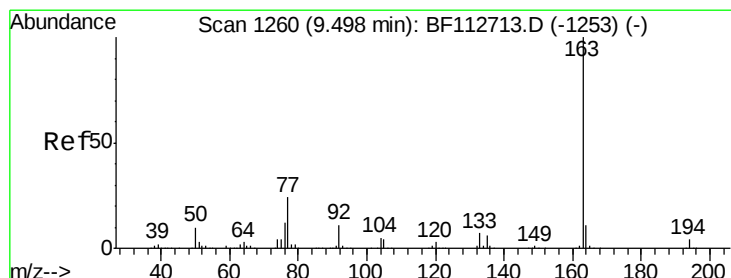
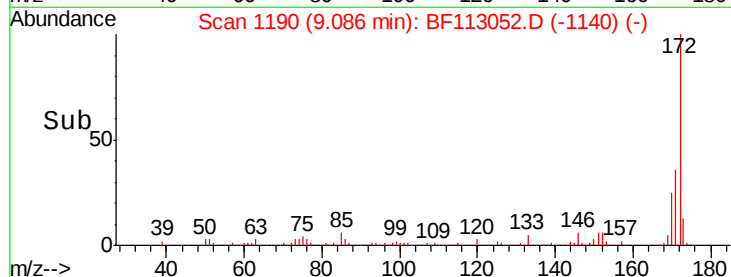
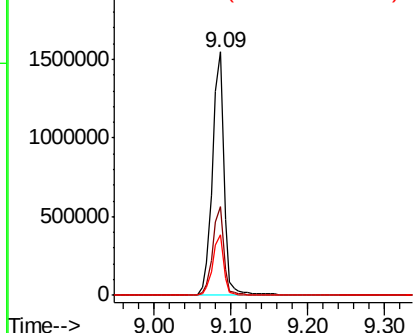
#45
2-Fluorobiphenyl
Concen: 70.667 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF113052.D
Acq: 14 Mar 2019 16:23

Instrument :
BNA_F
ClientSampleId :
MR-MH-01-COMP

Tot Ion:172 Resp: 1597596
Ion Ratio Lower Upper
172 100
171 36.3 29.0 43.4
170 24.8 20.0 30.0

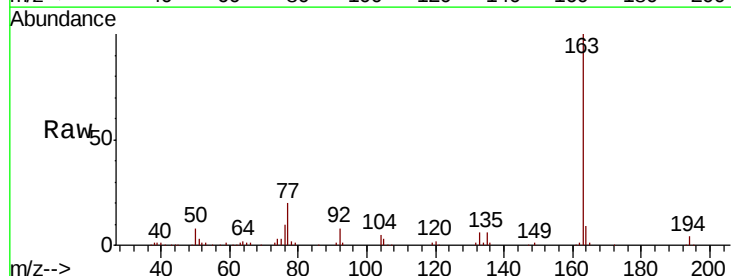


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

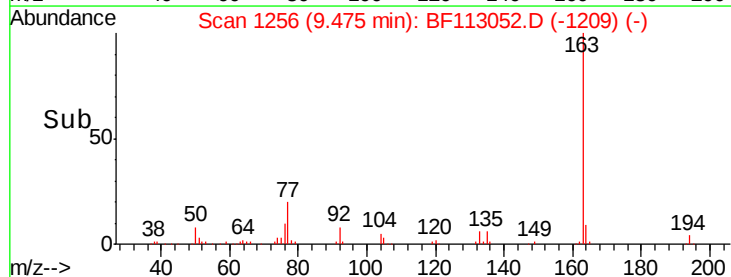
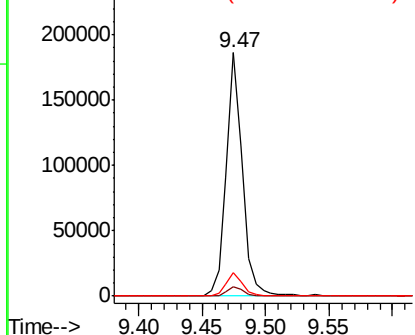


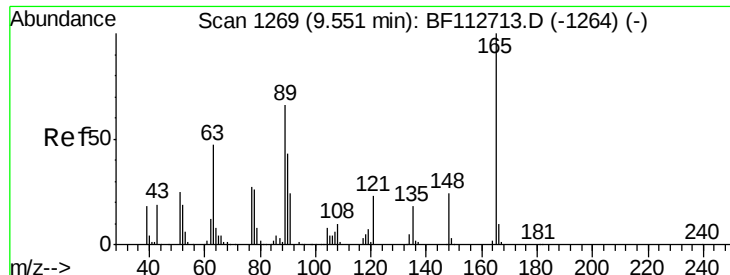
#50
Dimethylphthalate
Concen: 6.262 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF113052.D
Acq: 14 Mar 2019 16:23

Tgt Ion:163 Resp: 165417
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.4
164 9.5 8.4 12.6



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: 8.324 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.21 min

Lab File: BF113052.D

Acq: 14 Mar 2019 16:23

Instrument :

BNA_F

ClientSampleId :

MR-MH-01-COMP

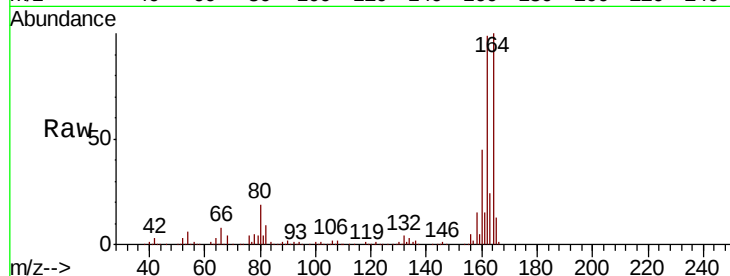
Tot Ion:165 Resp: 45794

Ion Ratio Lower Upper

165 100

63 1.5 54.1 81.1#

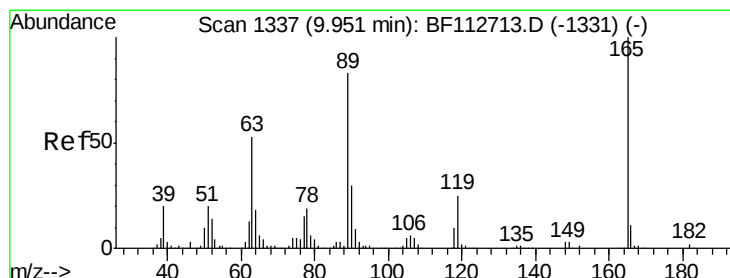
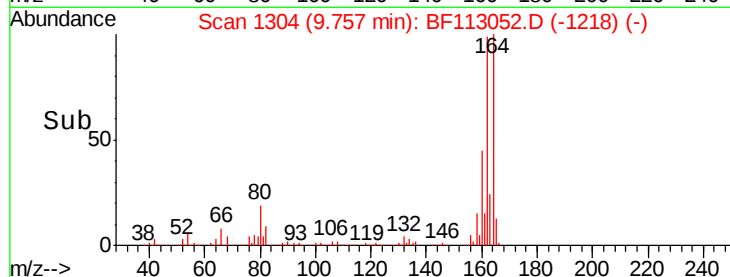
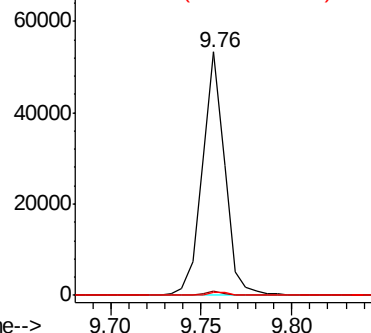
89 1.4 52.8 79.2#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 6.697 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.20 min

Lab File: BF113052.D

Acq: 14 Mar 2019 16:23

Tgt Ion:165 Resp: 45794

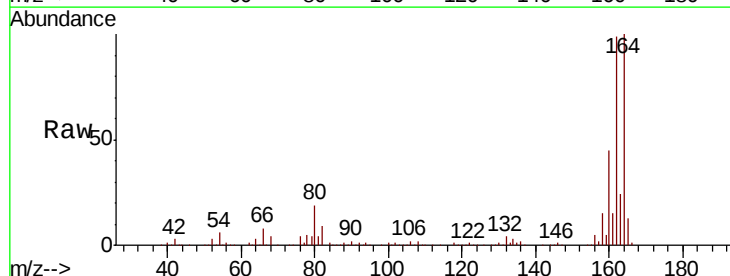
Ion Ratio Lower Upper

165 100

63 1.5 42.2 63.2#

89 1.4 66.2 99.4#

182 0.0 1.8 2.6#

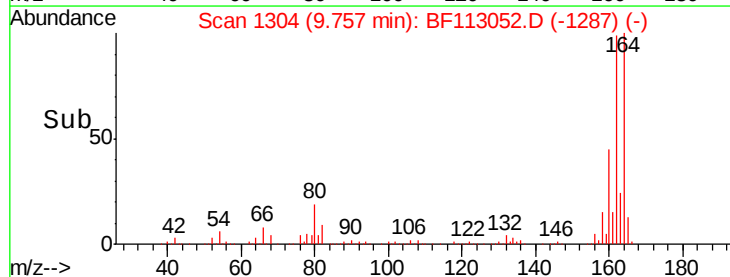
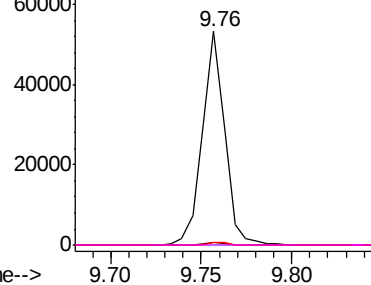


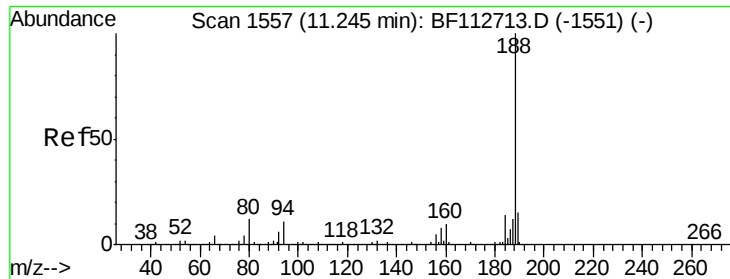
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113052.D

Acq: 14 Mar 2019 16:23

Instrument :

BNA_F

ClientSampleId :

MR-MH-01-COMP

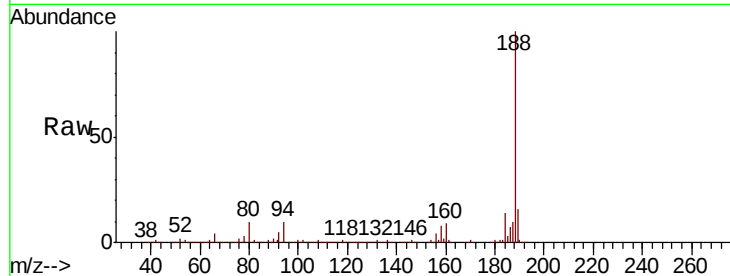
Tot Ion:188 Resp: 742469

Ion Ratio Lower Upper

188 100

94 10.0 9.0 13.4

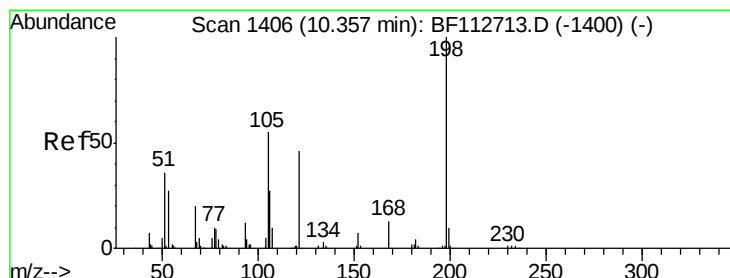
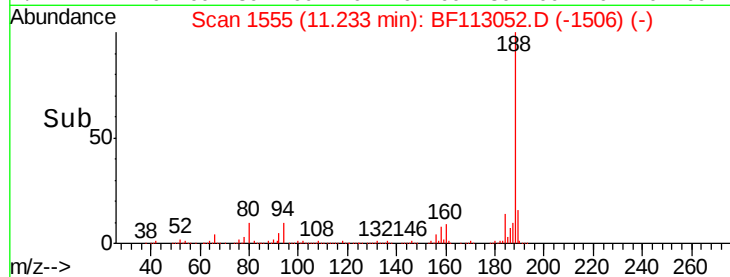
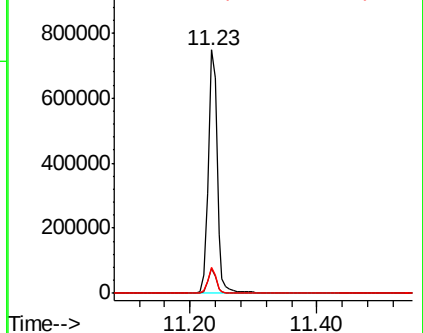
80 10.4 9.2 13.8



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: 4.768 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.18 min

Lab File: BF113052.D

Acq: 14 Mar 2019 16:23

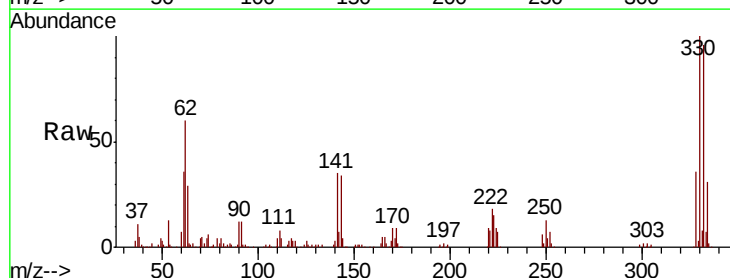
Tgt Ion:198 Resp: 524

Ion Ratio Lower Upper

198 100

51 224.0 43.8 83.8#

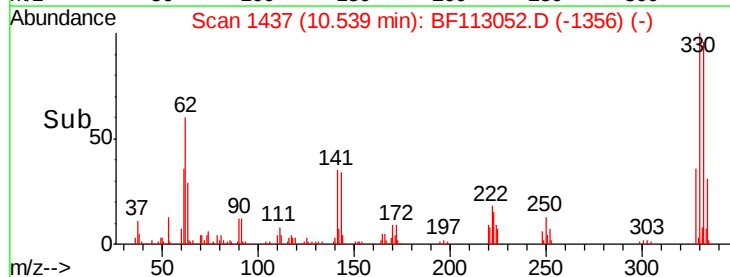
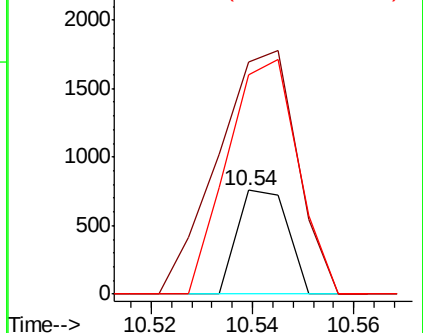
105 211.1 36.5 76.5#

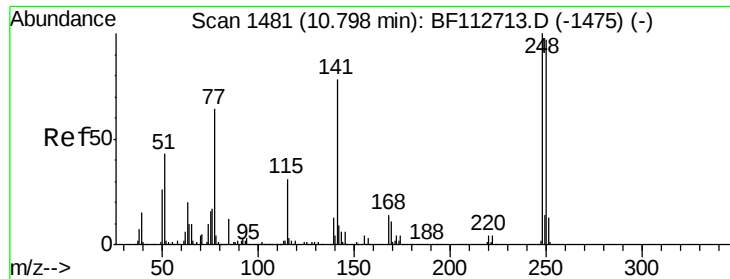


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

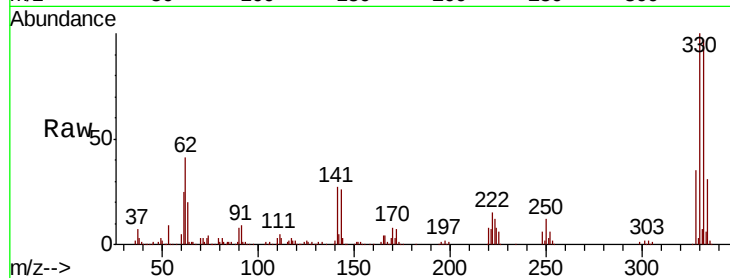




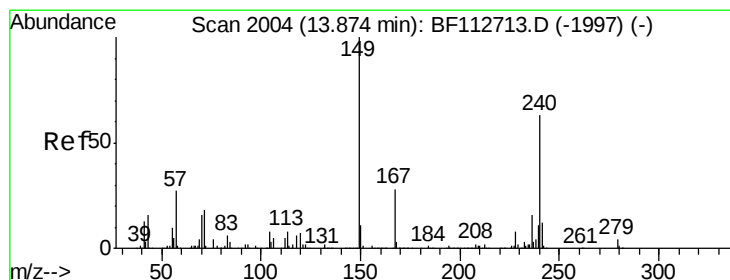
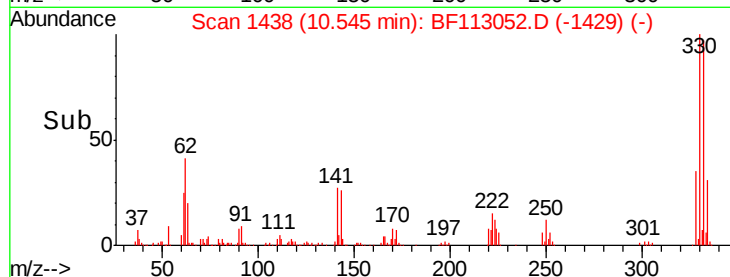
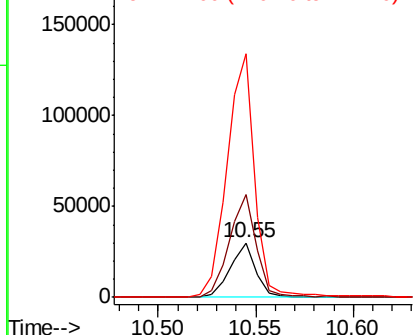
#67
4-Bromophenyl-phenylether
Concen: 3.498 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF113052.D
Acq: 14 Mar 2019 16:23

Instrument :
BNA_F
ClientSampleId :
MR-MH-01-COMP

Tot Ion:248 Resp: 27353
Ion Ratio Lower Upper
248 100
250 190.4 77.5 116.3#
141 448.2 62.4 93.6#

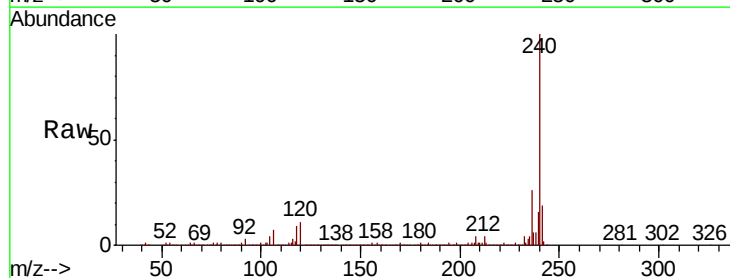


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

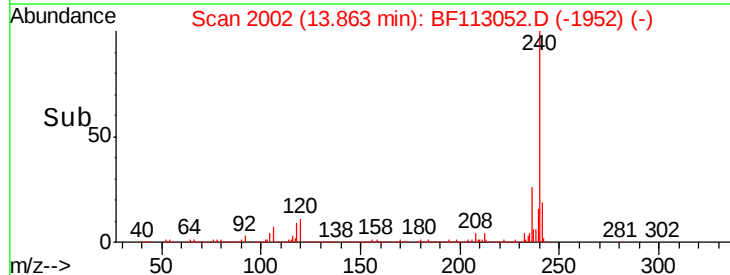
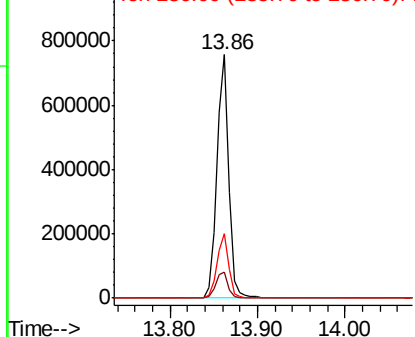


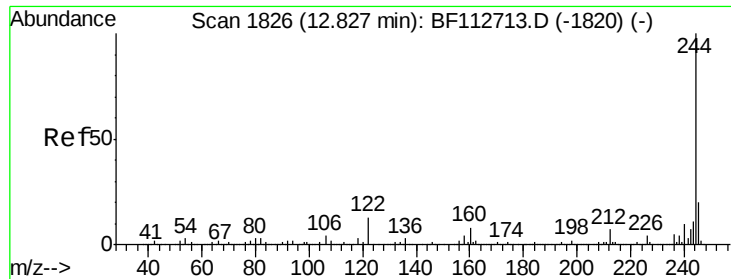
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113052.D
Acq: 14 Mar 2019 16:23

Tgt Ion:240 Resp: 709597
Ion Ratio Lower Upper
240 100
120 10.6 8.9 13.3
236 26.2 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: 49.932 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF113052.D

Acq: 14 Mar 2019 16:23

Instrument :

BNA_F

ClientSampleId :

MR-MH-01-COMP

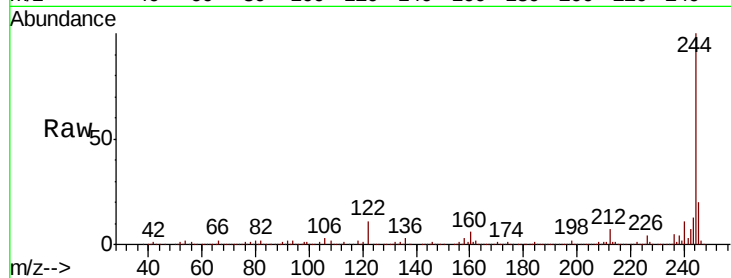
Tot Ion:244 Resp: 1827772

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

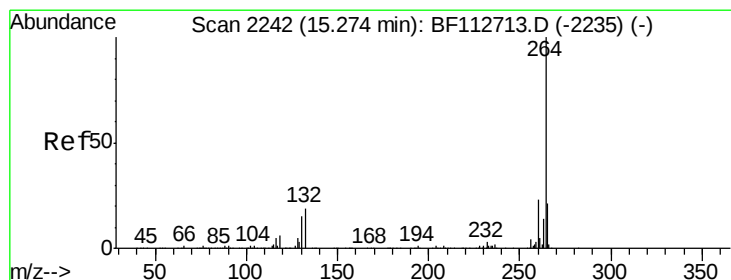
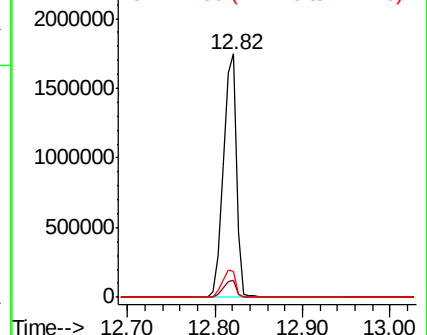
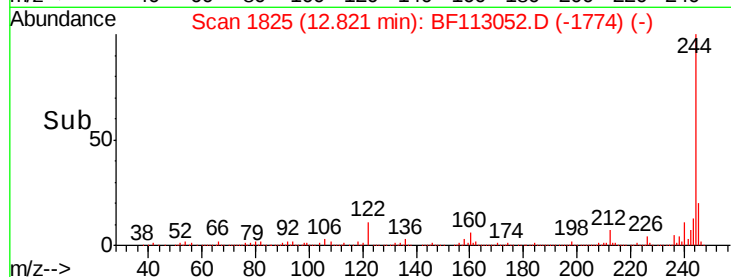
122 10.6 10.5 15.7



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# 2241

Delta R.T. -0.01 min

Lab File: BF113052.D

Acq: 14 Mar 2019 16:23

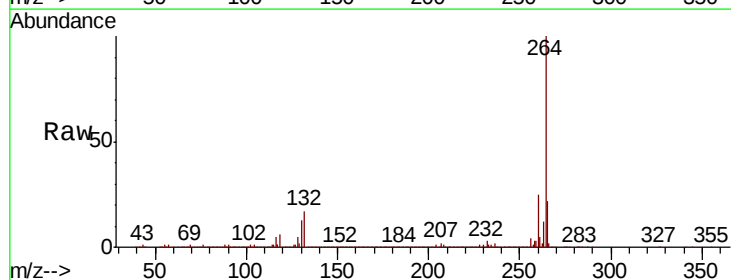
Tgt Ion:264 Resp: 714389

Ion Ratio Lower Upper

264 100

260 24.6 18.7 28.1

265 21.7 17.2 25.8



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

