

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011819\
 Data File : BF112140.D
 Acq On : 18 Jan 2019 22:24
 Operator : JU/SJ
 Sample : K1173-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200050

Quant Time: Jan 18 23:39:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 23:33:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	262333	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1006322	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	484653	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	895703	20.00	ng	0.00
76) Chrysene-d12	14.02	240	622470	20.00	ng	-0.01
87) Perylene-d12	15.49	264	633453	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1601402	110.80	ng	0.01
7) Phenol-d6	6.50	99	1777338	98.29	ng	0.00
23) Nitrobenzene-d5	7.42	82	1439892	98.86	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	711341	136.05	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2718854	82.25	ng	0.00
79) Terphenyl-d14	12.96	244	2732179	93.38	ng	0.00

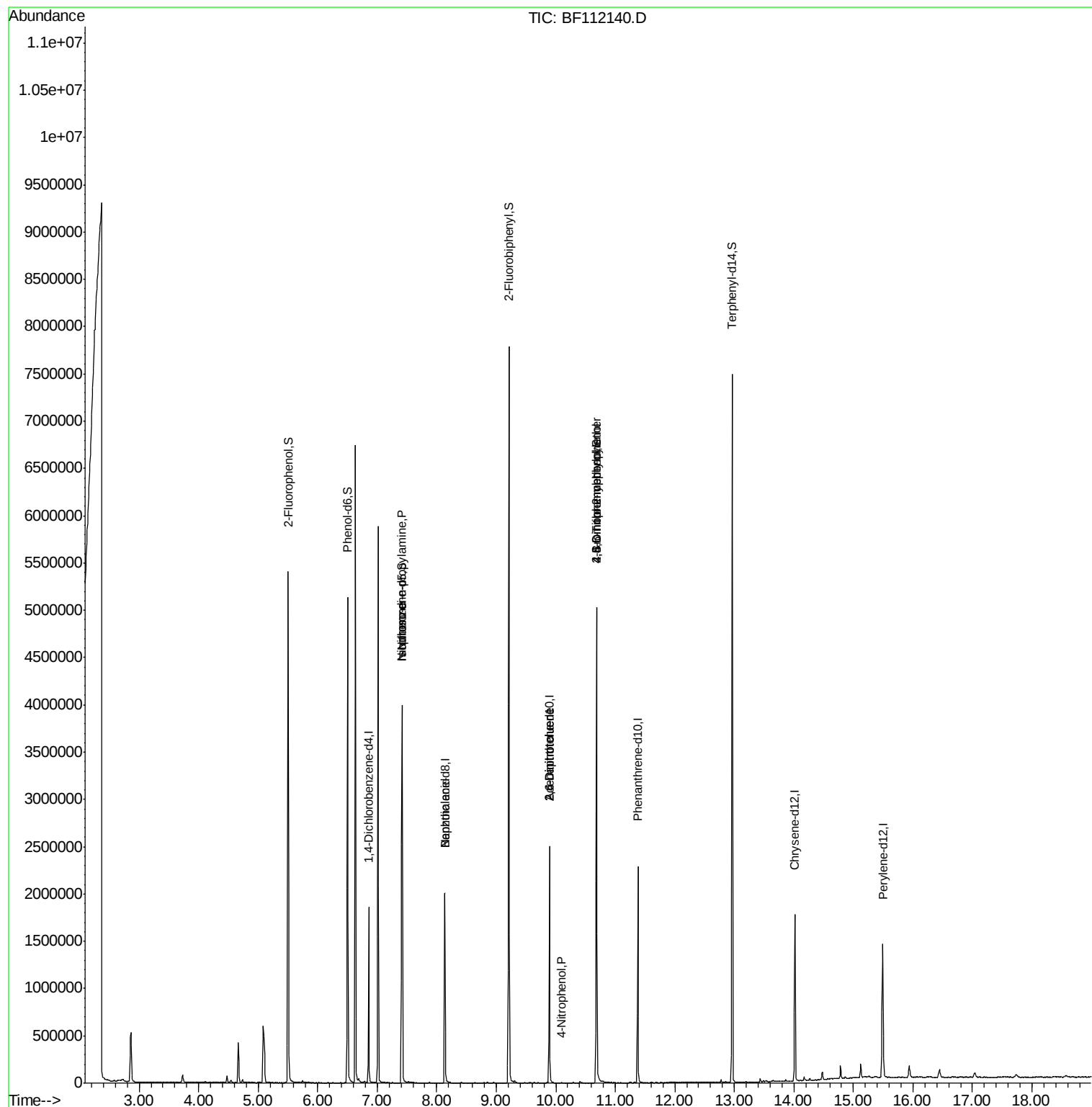
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	2989	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.42	70	196048	17.796	ng	# 77
25) Isophorone	7.42	82	1421666	50.532	ng	# 64
32) Benzoic acid	8.14	122	234	7.211	ng	# 1
51) 2,6-Dinitrotoluene	9.89	165	62517	8.857	ng	# 34
56) 4-Nitrophenol	10.10	139	106	5.672	ng	# 12
57) 2,4-Dinitrotoluene	9.89	165	62517	10.823	ng	# 32
65) 4,6-Dinitro-2-methylphenol	10.69	198	1320	10.349	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	43198	4.152	ng	# 1

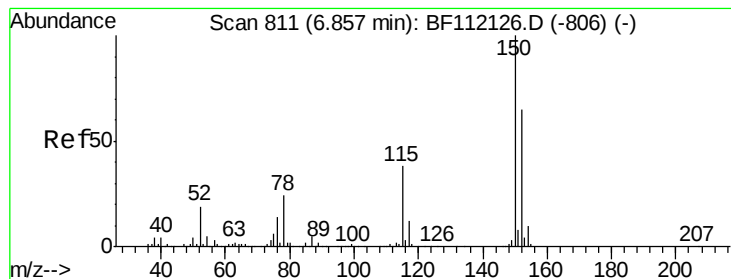
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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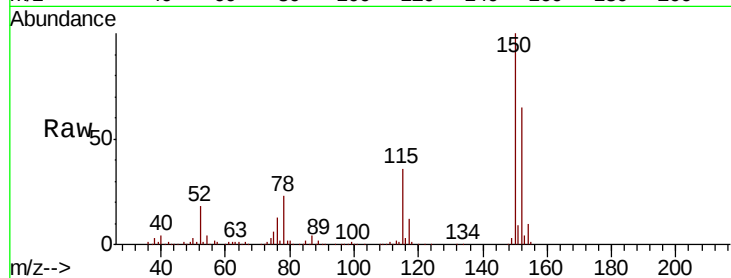


#1

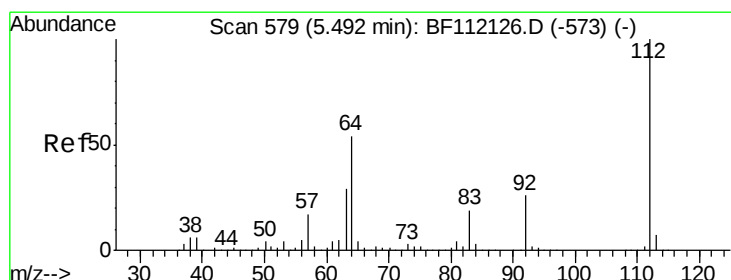
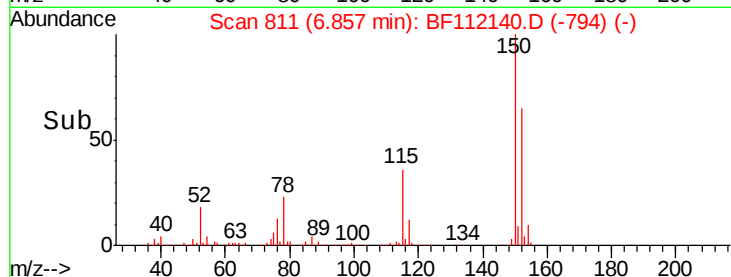
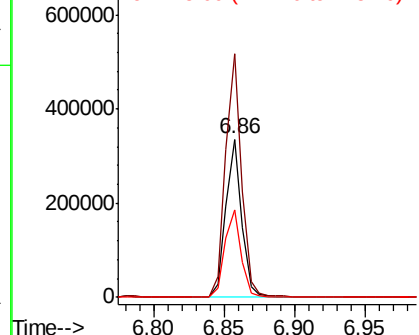
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF112140.D
Acq: 18 Jan 2019 22:24

Instrument :
BNA_F
ClientSampleId :
RBR-200050

Tgt Ion:152 Resp: 262333
Ion Ratio Lower Upper
152 100
150 154.2 127.4 191.0
115 55.5 45.5 68.3



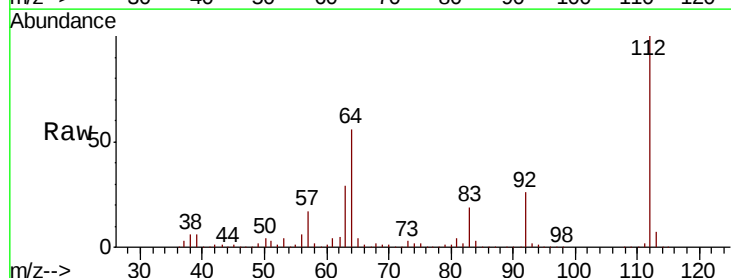
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



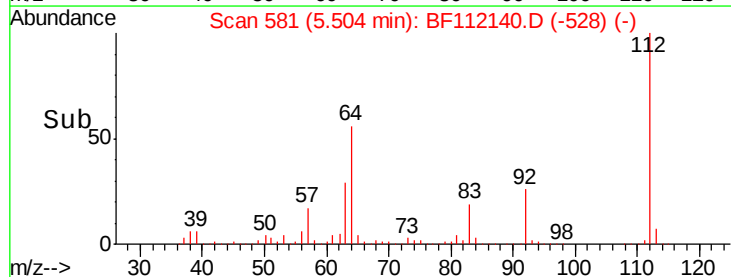
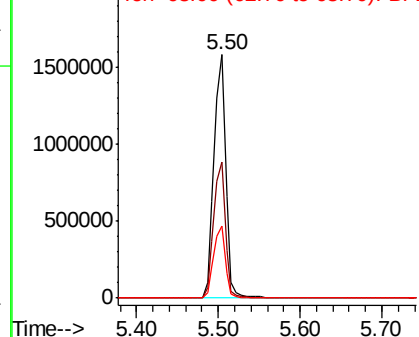
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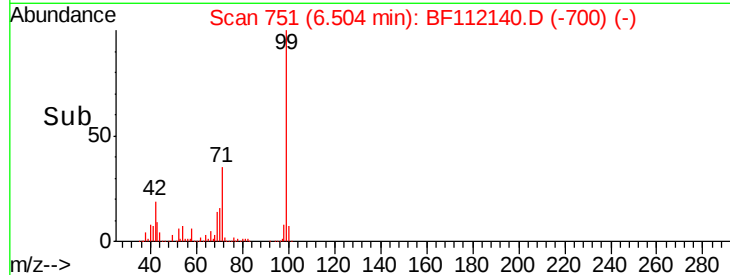
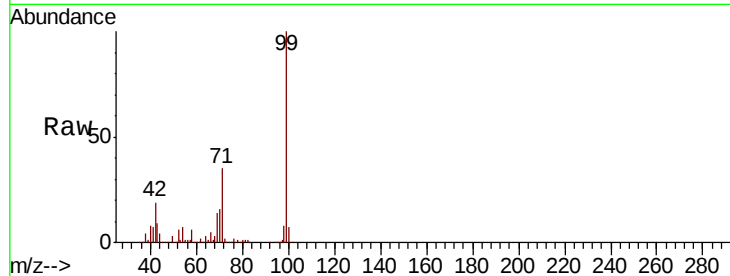
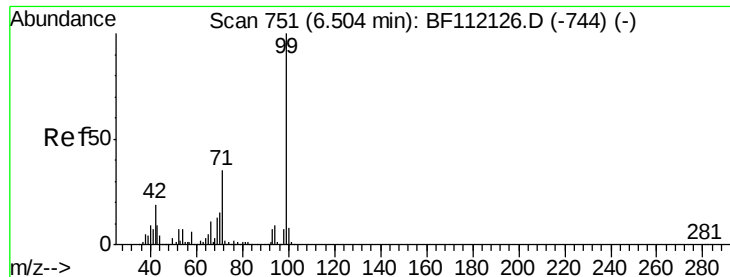
2-Fluorophenol
Concen: 110.798 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF112140.D
Acq: 18 Jan 2019 22:24

Tgt Ion:112 Resp: 1601402
Ion Ratio Lower Upper
112 100
64 55.8 45.7 68.5
63 29.4 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: 98.286 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF112140.D

Acq: 18 Jan 2019 22:24

Instrument :

BNA_F

ClientSampleId :

RBR-200050

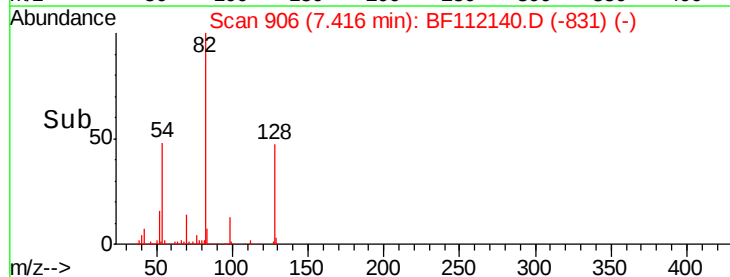
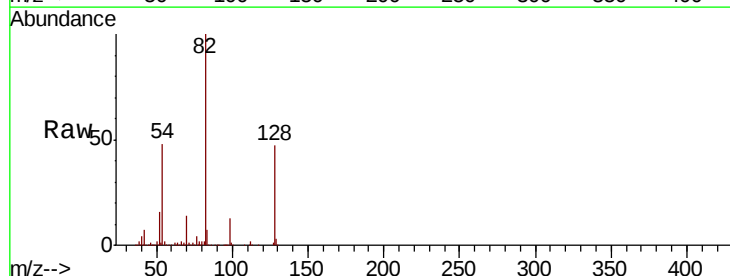
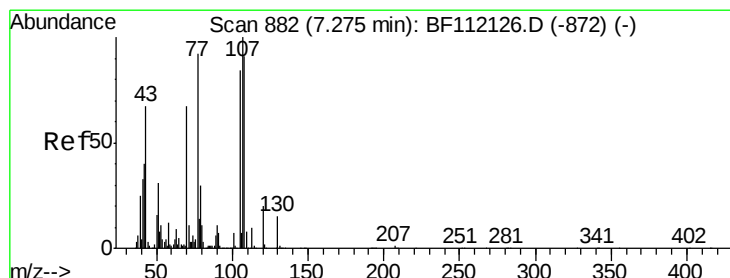
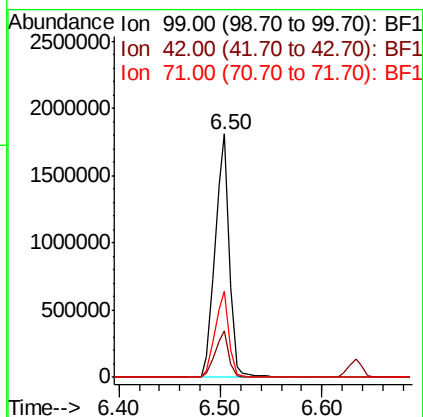
Tgt Ion: 99 Resp: 1777338

Ion Ratio Lower Upper

99 100

42 18.9 15.1 22.7

71 35.4 26.9 40.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.796 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF112140.D

Acq: 18 Jan 2019 22:24

Tgt Ion: 70 Resp: 196048

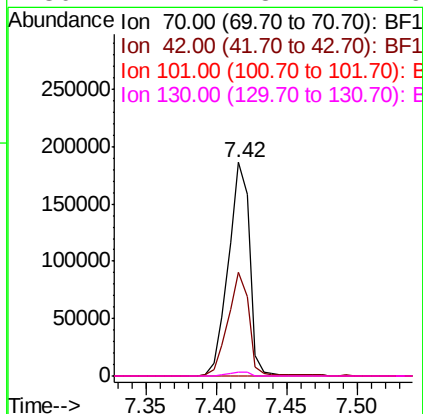
Ion Ratio Lower Upper

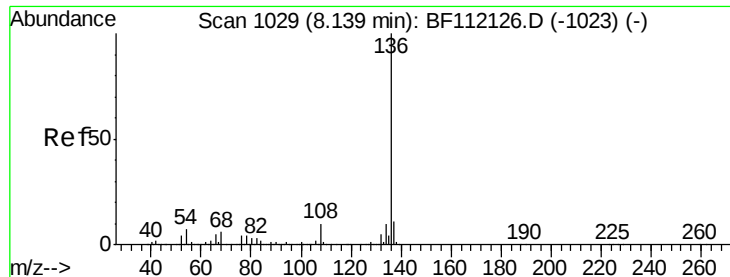
70 100

42 48.8 47.6 71.4

101 0.0 7.9 11.9#

130 2.1 18.4 27.6#



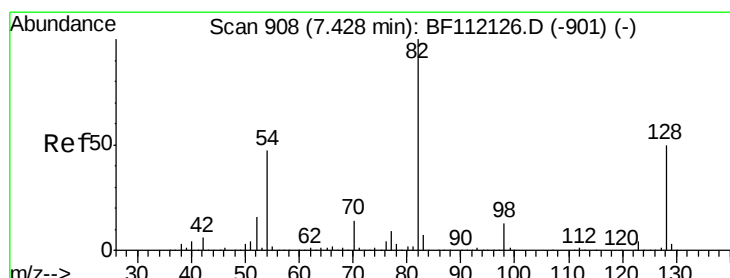
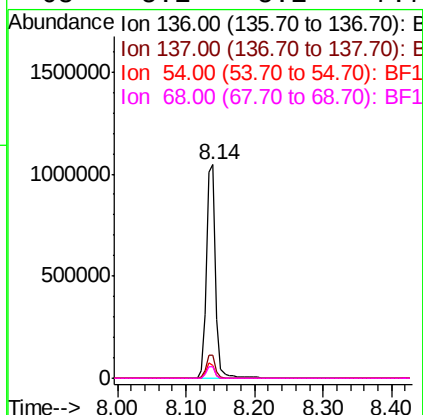
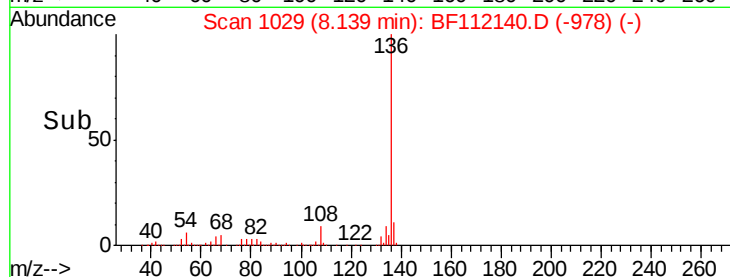
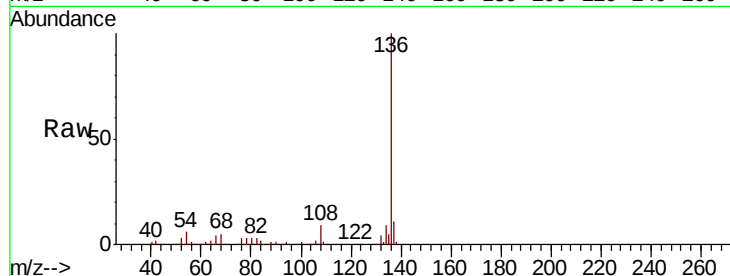


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF112140.D
Acq: 18 Jan 2019 22:24

Instrument :
BNA_F
ClientSampleId :
RBR-200050

Tgt Ion: 136 Resp: 1006322

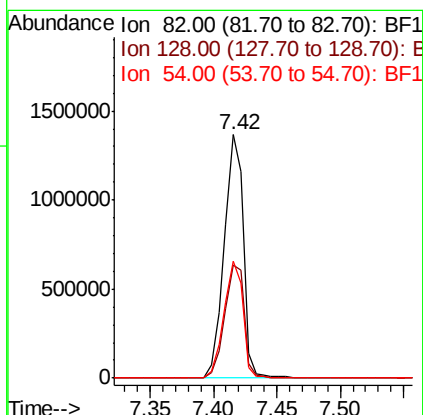
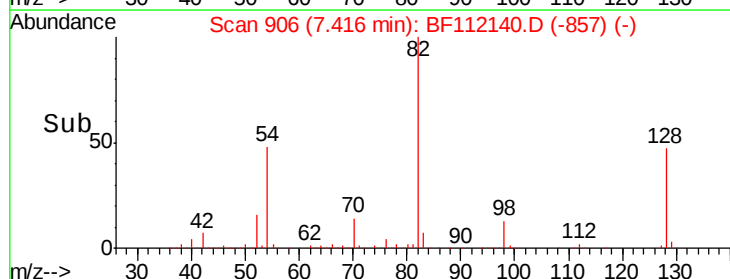
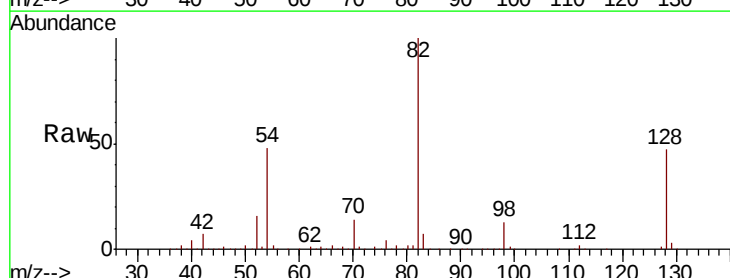
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	6.2	5.9	8.9
68	5.1	5.1	7.7

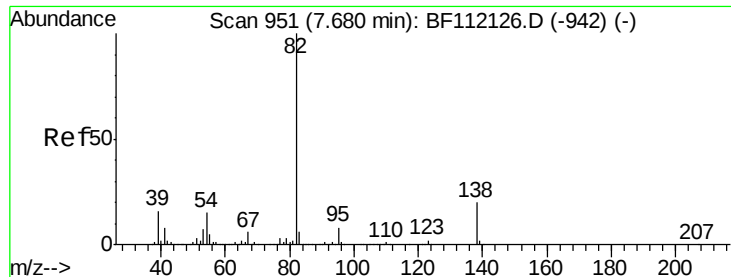


#23
Nitrobenzene-d5
Concen: 98.856 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF112140.D
Acq: 18 Jan 2019 22:24

Tgt Ion: 82 Resp: 1439892

Ion	Ratio	Lower	Upper
82	100		
128	46.6	37.8	56.8
54	48.2	39.7	59.5





#25

Isophorone

Concen: 50.532 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF112140.D

Acq: 18 Jan 2019 22:24

Instrument :

BNA_F

ClientSampleId :

RBR-200050

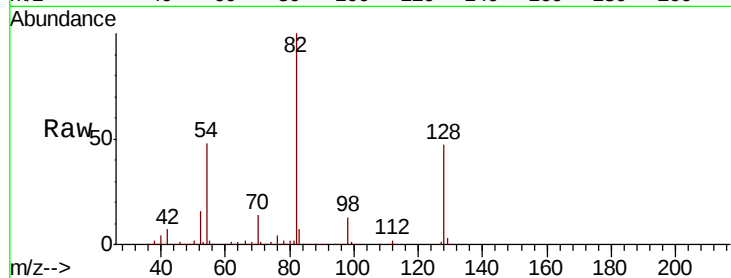
Tgt Ion: 82 Resp: 1421666

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

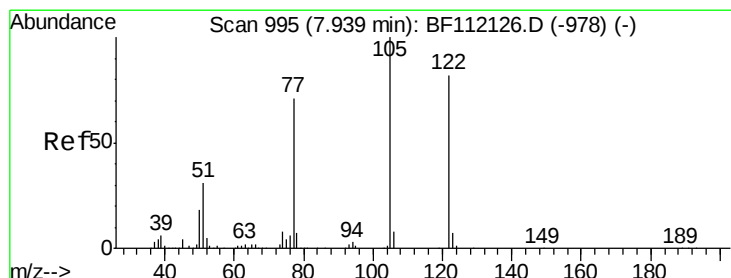
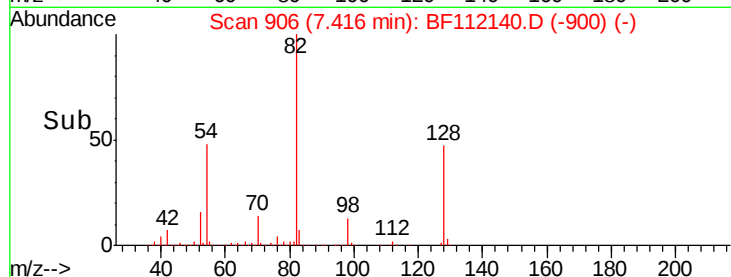
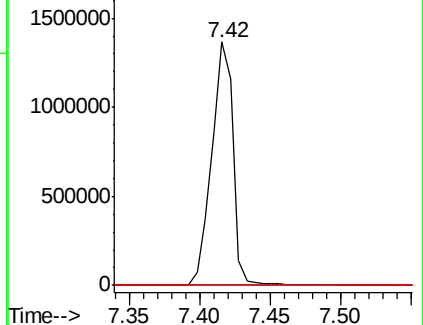
138 0.0 15.4 23.0#



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



#32

Benzoic acid

Concen: 7.211 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.20 min

Lab File: BF112140.D

Acq: 18 Jan 2019 22:24

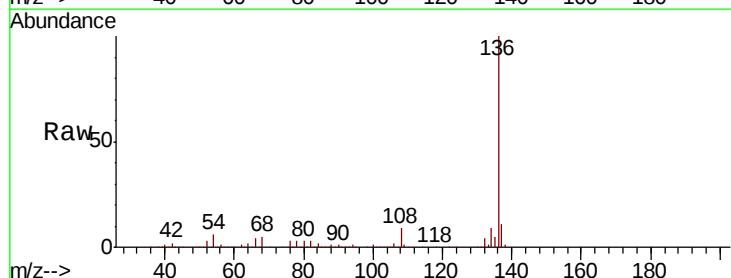
Tgt Ion: 122 Resp: 234

Ion Ratio Lower Upper

122 100

105 267.7 101.2 141.2#

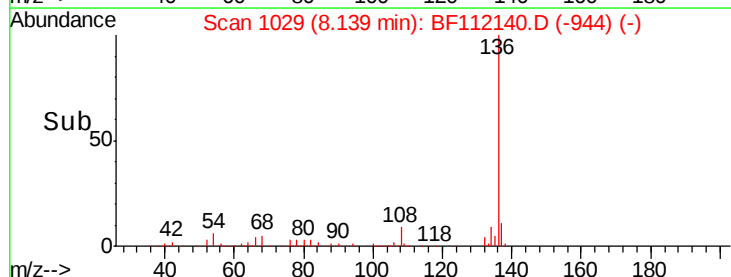
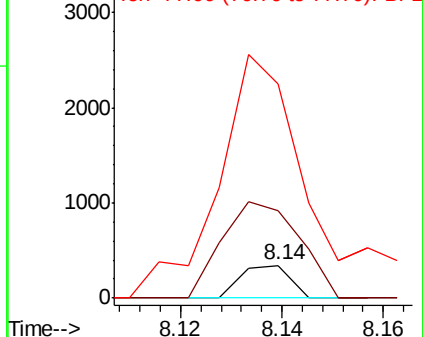
77 653.2 70.4 110.4#

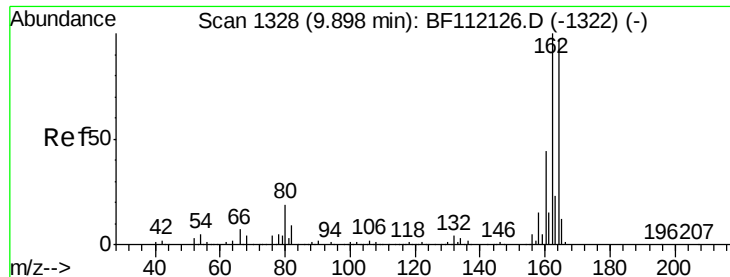


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

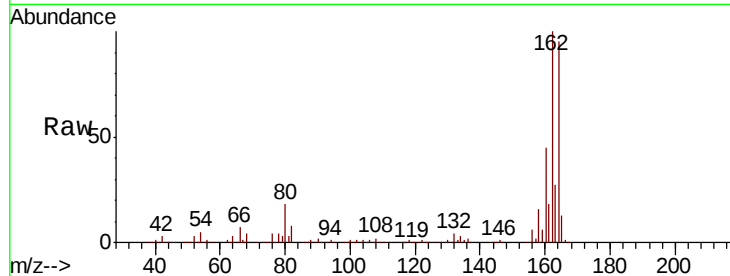




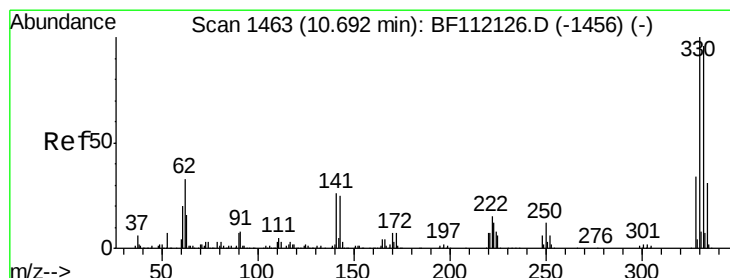
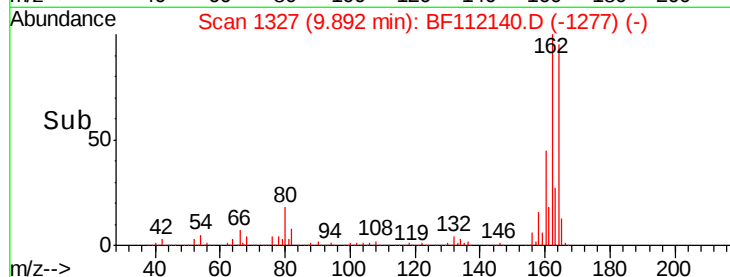
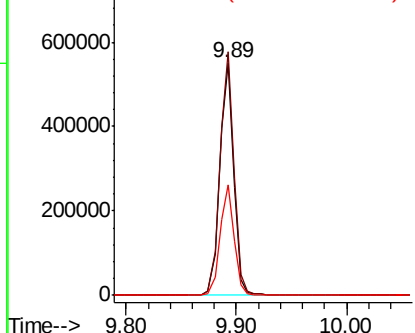
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF112140.D
 Acq: 18 Jan 2019 22:24

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200050

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	82.2	123.4
160	47.5	36.2	54.4

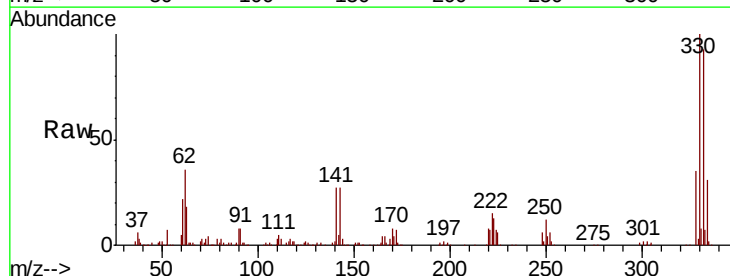


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

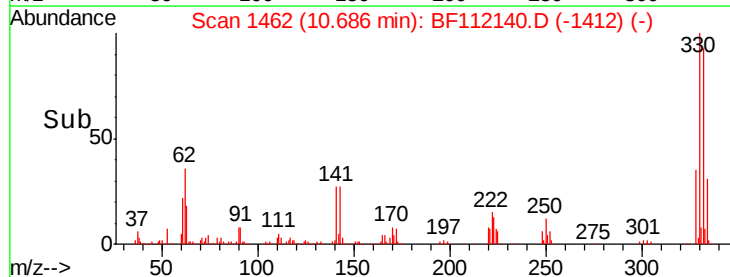
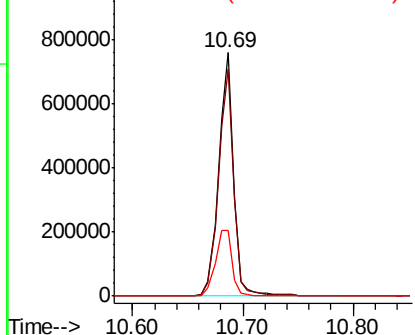


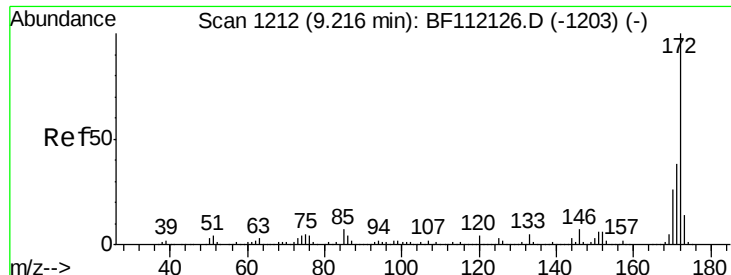
#42
 2,4,6-Tribromophenol
 Concen: 136.055 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF112140.D
 Acq: 18 Jan 2019 22:24

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	114.8
141	31.0	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

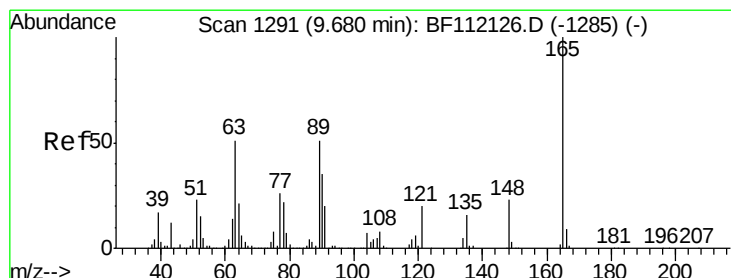
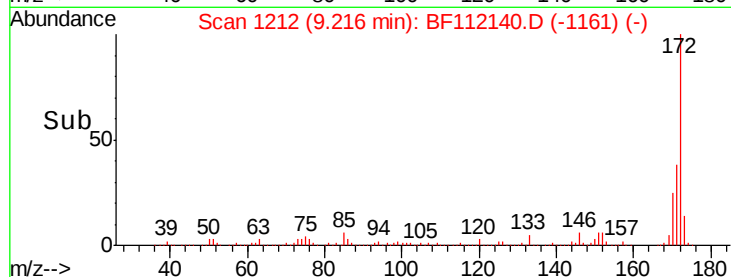
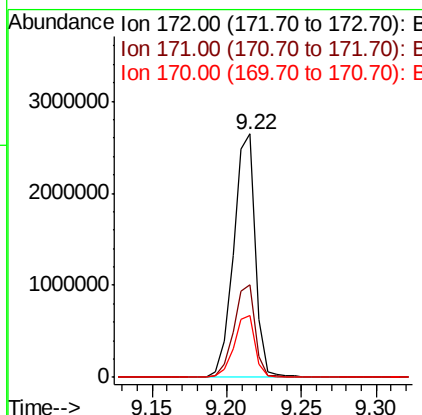
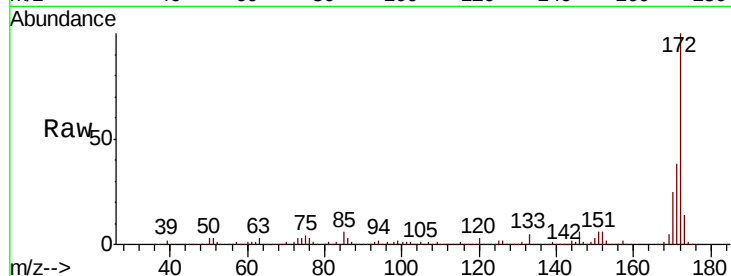




#45
 2-Fluorobiphenyl
 Concen: 82.247 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: BF112140.D
 Acq: 18 Jan 2019 22:24

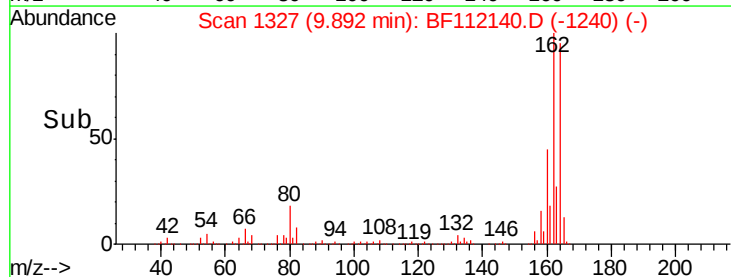
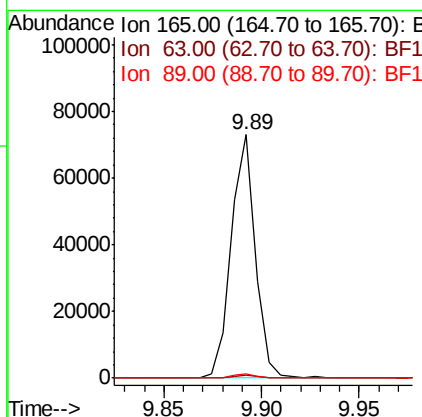
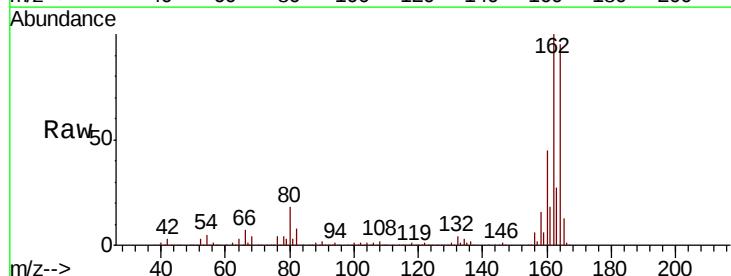
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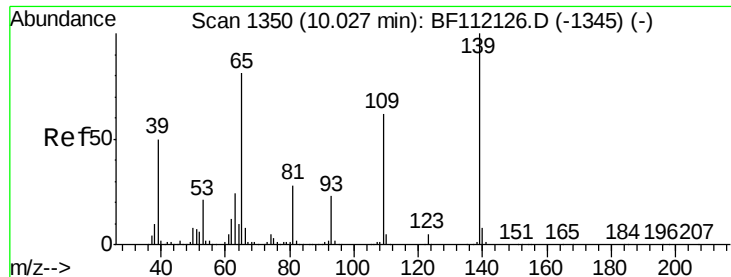
Tgt Ion:172 Resp: 2718854
 Ion Ratio Lower Upper
 172 100
 171 38.2 30.5 45.7
 170 25.4 20.2 30.4



#51
 2,6-Dinitrotoluene
 Concen: 8.857 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF112140.D
 Acq: 18 Jan 2019 22:24

Tgt Ion:165 Resp: 62517
 Ion Ratio Lower Upper
 165 100
 63 1.4 33.8 50.8#
 89 1.6 36.9 55.3#

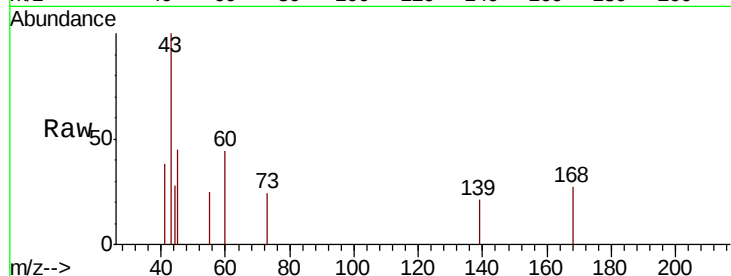




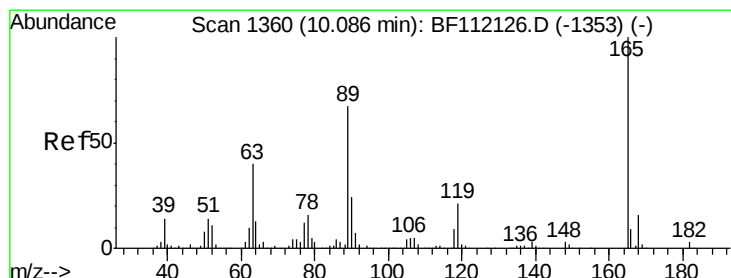
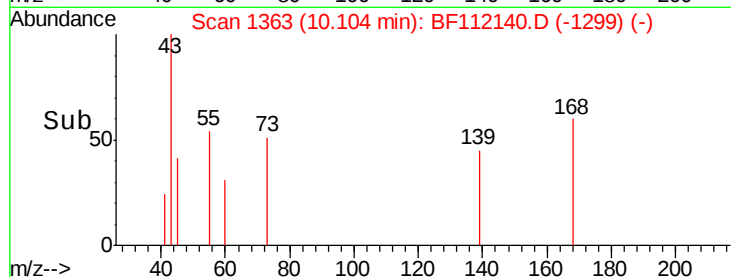
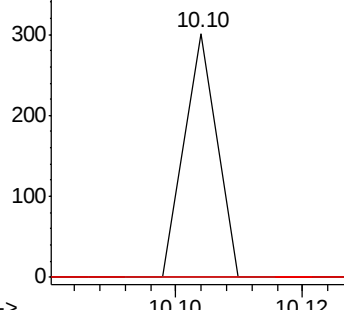
#56
4-Nitrophenol
Concen: 5.672 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.08 min
Lab File: BF112140.D
Acq: 18 Jan 2019 22:24

Instrument :
BNA_F
ClientSampleId :
RBR-200050

Tgt Ion:139 Resp: 106
Ion Ratio Lower Upper
139 100
109 0.0 42.8 82.8#
65 0.0 66.1 106.1#

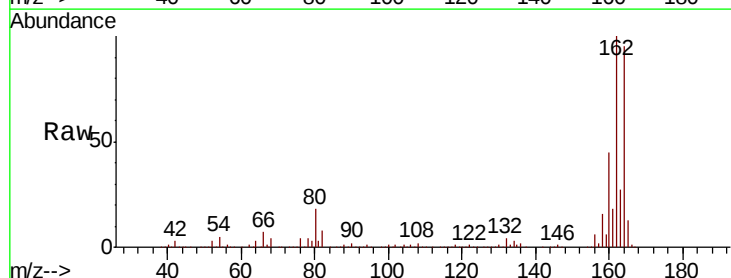


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

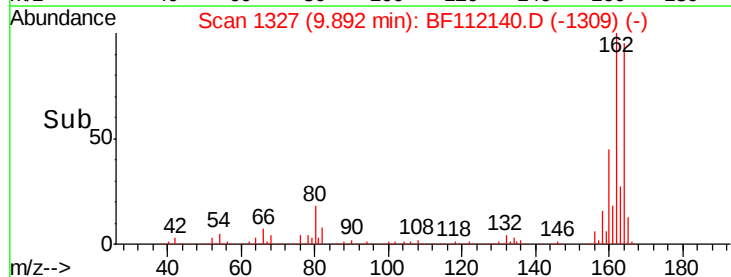
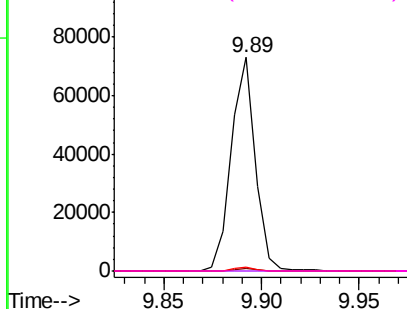


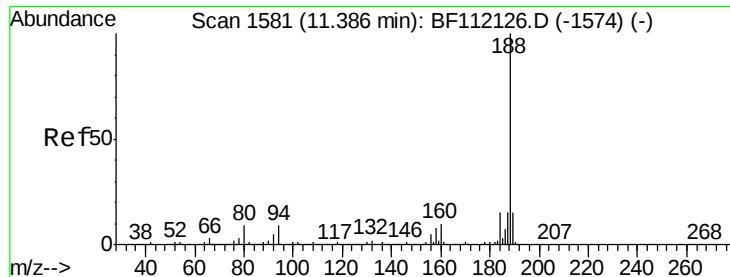
#57
2,4-Dinitrotoluene
Concen: 10.823 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.19 min
Lab File: BF112140.D
Acq: 18 Jan 2019 22:24

Tgt Ion:165 Resp: 62517
Ion Ratio Lower Upper
165 100
63 1.4 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: BF112140.D

Acq: 18 Jan 2019 22:24

Instrument :

BNA_F

ClientSampleId :

RBR-200050

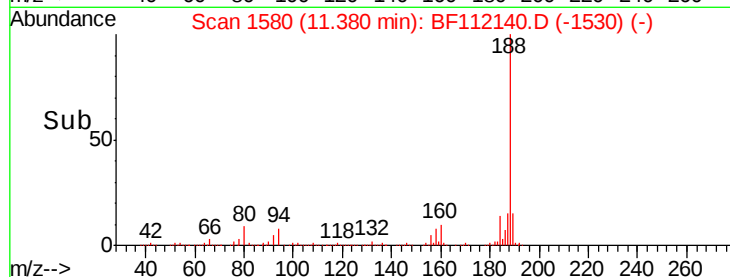
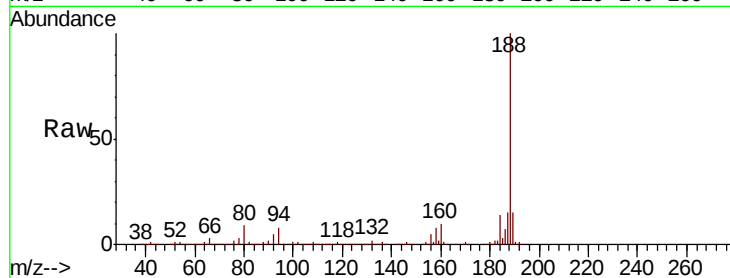
Tgt Ion:188 Resp: 895703

Ion Ratio Lower Upper

188 100

94 8.3 8.2 12.2

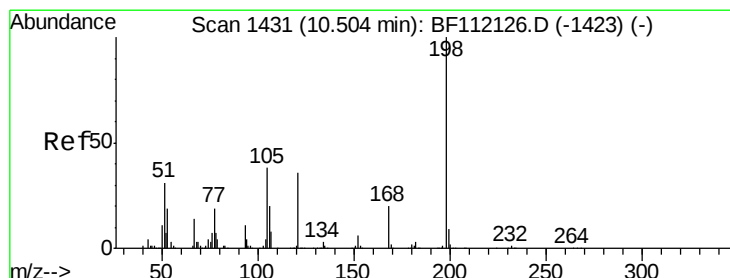
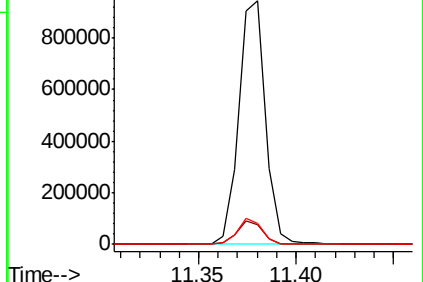
80 8.6 8.9 13.3#



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: 10.349 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.18 min

Lab File: BF112140.D

Acq: 18 Jan 2019 22:24

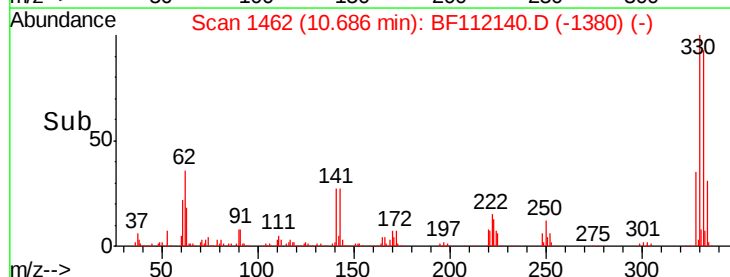
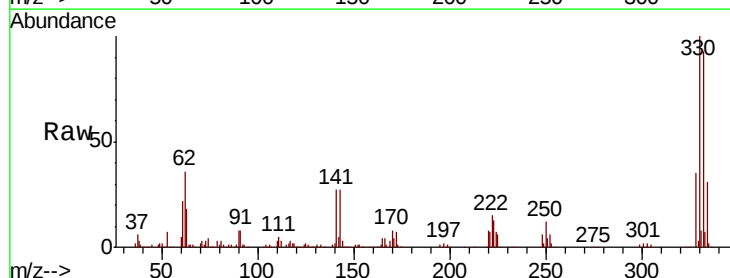
Tgt Ion:198 Resp: 1320

Ion Ratio Lower Upper

198 100

51 153.3 17.2 57.2#

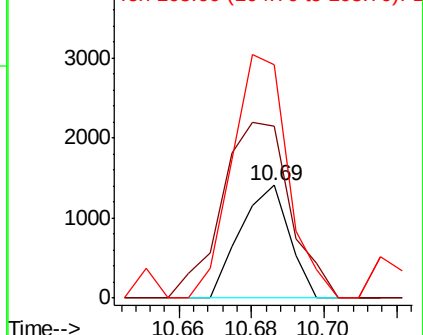
105 207.5 21.9 61.9#

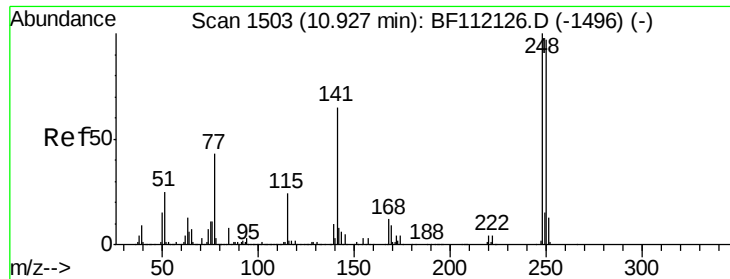


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

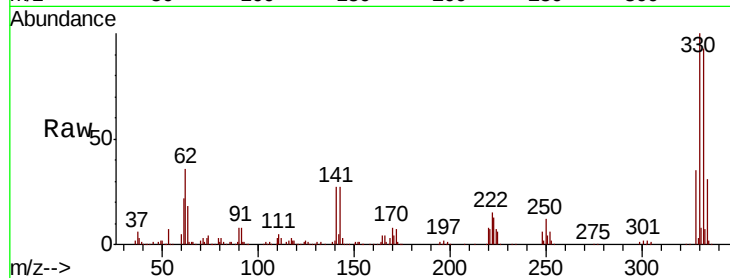




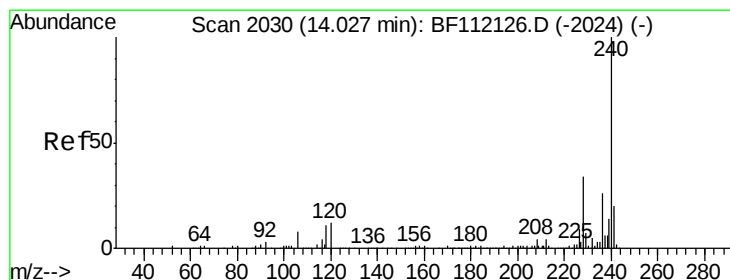
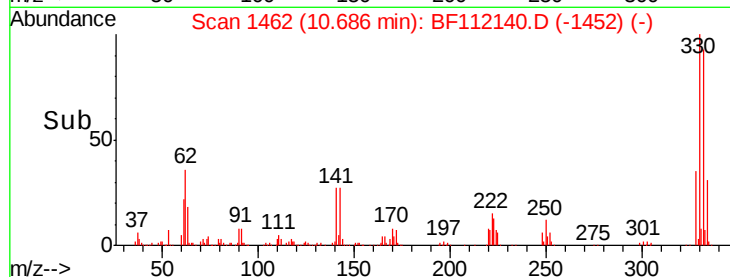
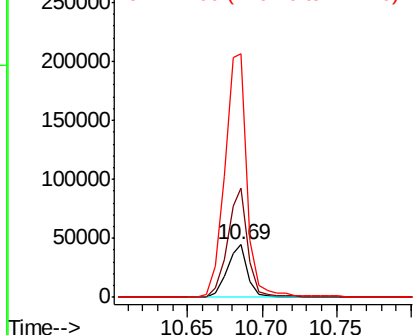
#67
4-Bromophenyl-phenylether
Concen: 4.152 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.24 min
Lab File: BF112140.D
Acq: 18 Jan 2019 22:24

Instrument :
BNA_F
ClientSampled :
RBR-200050

Tgt Ion:248 Resp: 43198
Ion Ratio Lower Upper
248 100
250 206.4 79.7 119.5#
141 461.4 60.3 90.5#

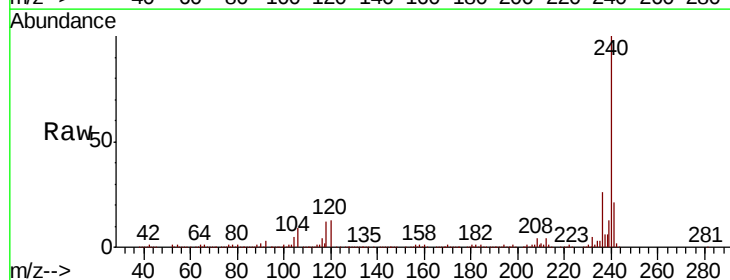


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

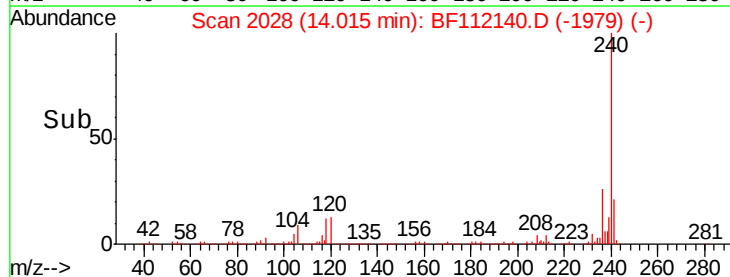
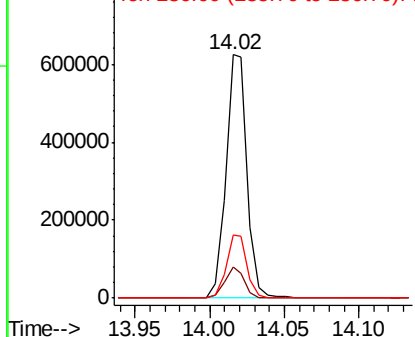


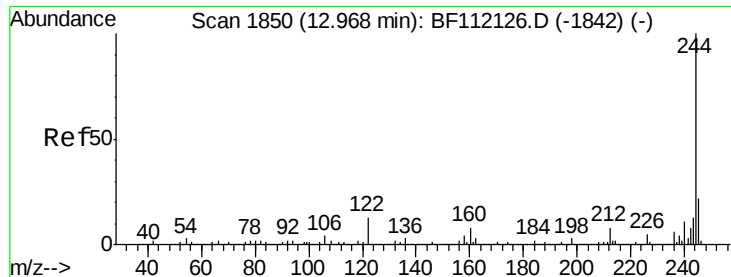
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF112140.D
Acq: 18 Jan 2019 22:24

Tgt Ion:240 Resp: 622470
Ion Ratio Lower Upper
240 100
120 12.7 9.0 13.6
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: 93.376 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF112140.D

Acq: 18 Jan 2019 22:24

Instrument :

BNA_F

ClientSampleId :

RBR-200050

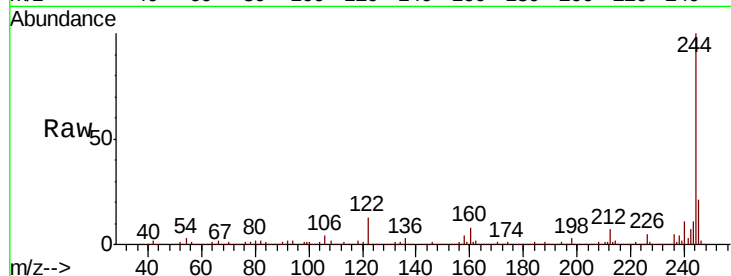
Tgt Ion:244 Resp: 2732179

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

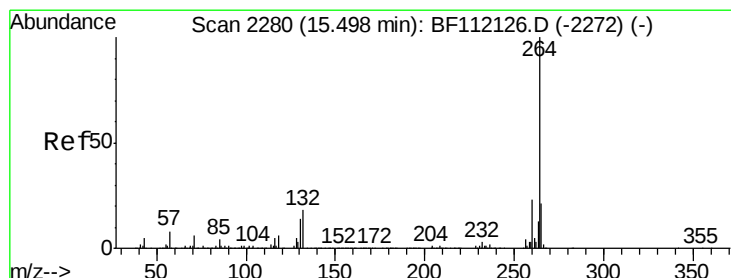
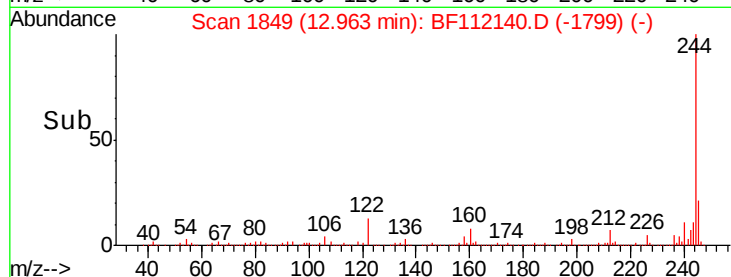
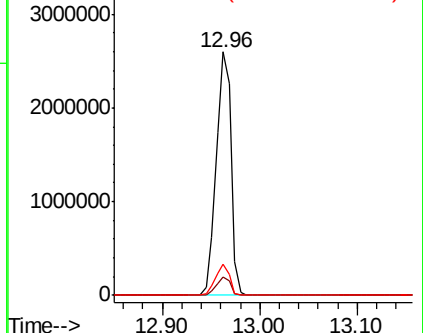
122 13.0 9.8 14.6



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# 2279

Delta R.T. -0.01 min

Lab File: BF112140.D

Acq: 18 Jan 2019 22:24

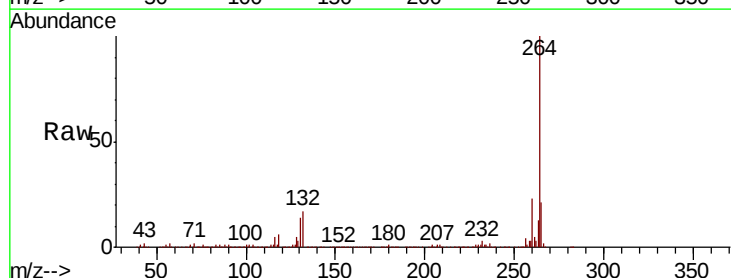
Tgt Ion:264 Resp: 633453

Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.2

265 21.3 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

