

Data Path : Z:\HPCHEM1\BNA F\Data\BF022018\
 Data File : BF103124.D
 Acq On : 20 Feb 2018 19:25
 Operator : SJ/JU
 Sample : J1624-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 08:48:12 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.875	152	173385	20.00	ng	0.00
21) Naphthalene-d8	8.157	136	746128	20.00	ng	0.00
38) Acenaphthene-d10	9.910	164	337744	20.00	ng	-0.01
63) Phenanthrene-d10	11.404	188	581767	20.00	ng	0.00
75) Chrysene-d12	14.045	240	354864	20.00	ng	-0.01
86) Perylene-d12	15.533	264	320284	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.498	112	1029062	90.13	ng	0.00
7) Phenol-d6	6.510	99	1227218	89.27	ng	0.00
23) Nitrobenzene-d5	7.439	82	810189	75.33	ng	0.00
41) 2,4,6-Tribromophenol	10.704	330	265124	97.53	ng	0.00
44) 2-Fluorobiphenyl	9.233	172	1260043	61.91	ng	0.00
78) Terphenyl-d14	12.986	244	1095285	73.08	ng	0.00

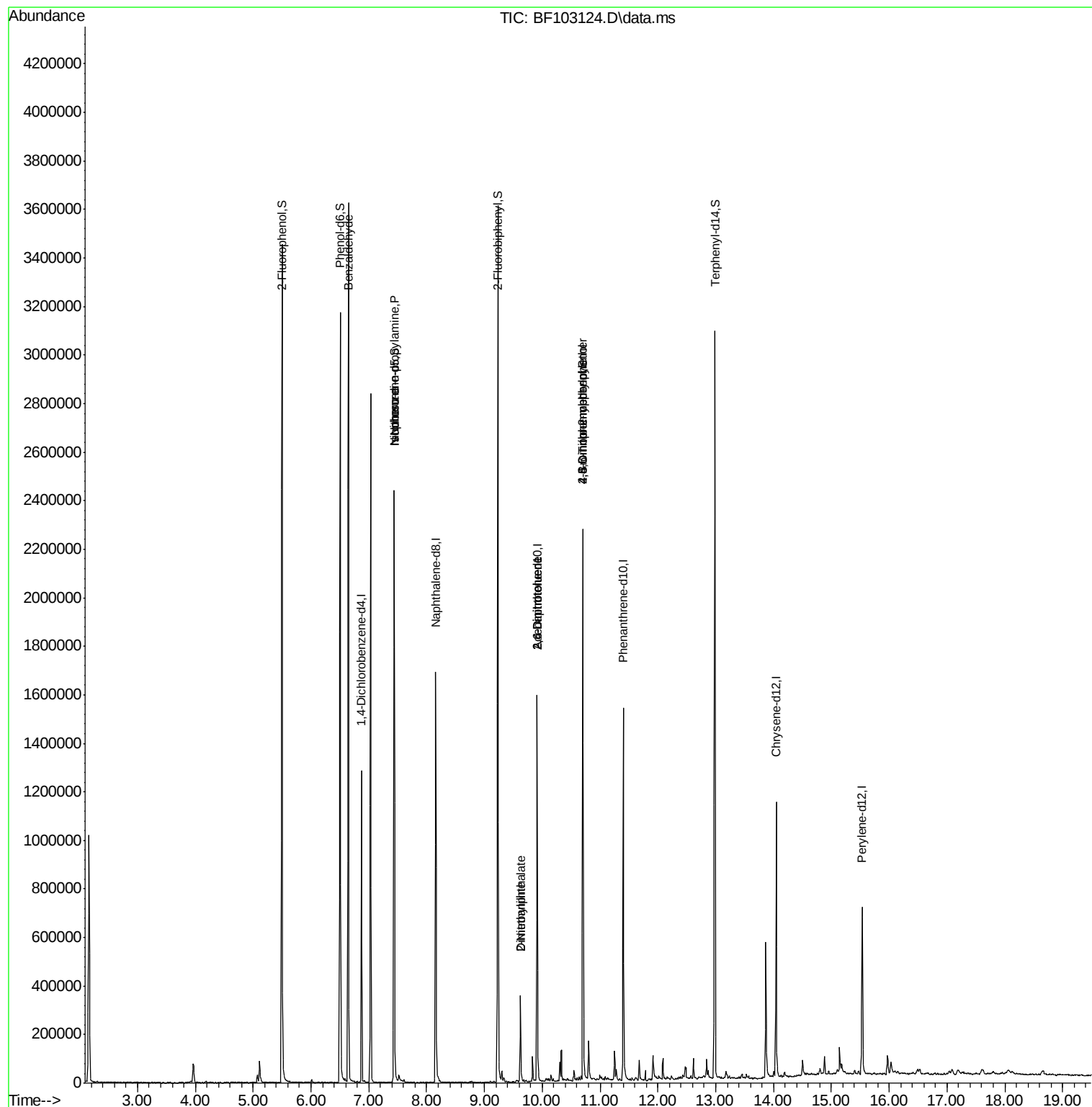
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.645	77	21495	2.11	ng	83
19) n-Nitroso-di-n-propyla...	7.439	70	104133	11.49	ng	# 80
25) Isophorone	7.439	82	810183	32.71	ng	# 64
47) 2-Nitroaniline	9.622	65	1702	3.70	ng	# 1
49) Dimethylphthalate	9.622	163	140280	5.33	ng	98
50) 2,6-Dinitrotoluene	9.910	165	42287	8.44	ng	# 26
56) 2,4-Dinitrotoluene	9.910	165	42287	8.97	ng	# 23
64) 4,6-Dinitro-2-methylph...	10.704	198	373	8.93	ng	# 1
66) 4-Bromophenyl-phenylether	10.704	248	17537	2.85	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.875 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF103124.D

Acq: 20 Feb 2018 19:25

Instrument :

BNA_F

ClientSampleId :

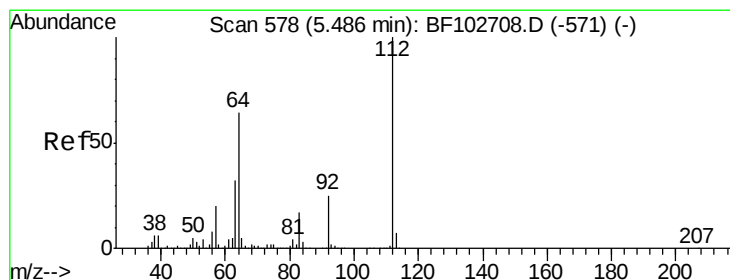
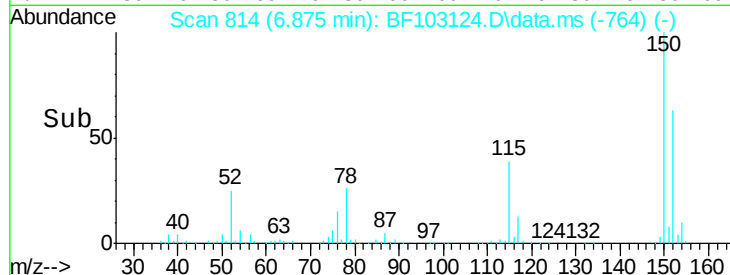
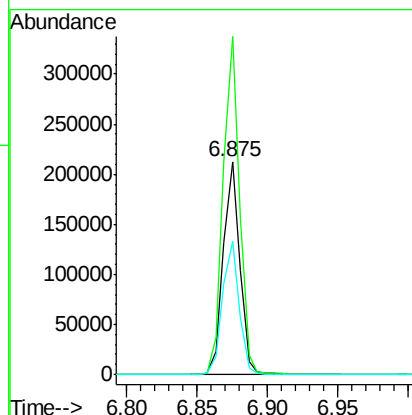
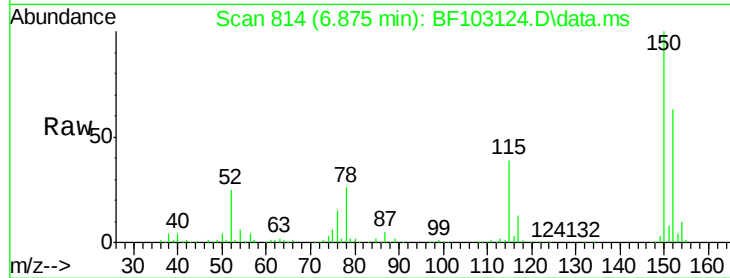
Tot Ion:152 Resp: 173385

Ion Ratio Lower Upper

152 100

150 158.9 124.6 186.8

115 62.5 50.1 75.1



#5

2-Fluorophenol

Concen: 90.13 ng

RT: 5.498 min Scan# 580

Delta R.T. 0.006 min

Lab File: BF103124.D

Acq: 20 Feb 2018 19:25

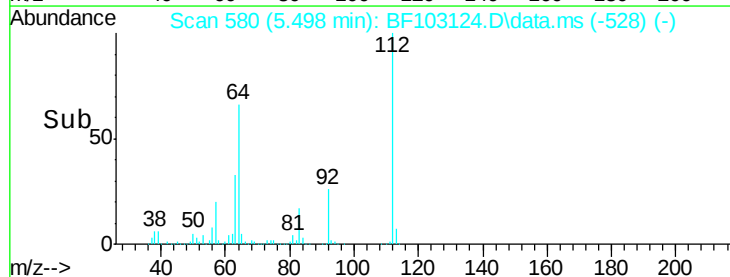
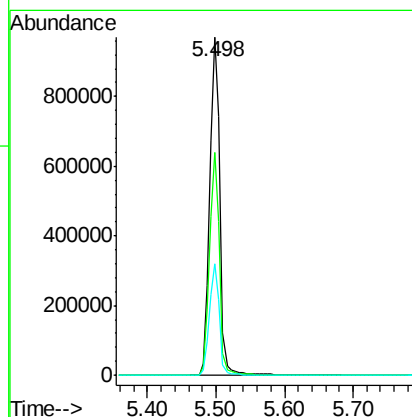
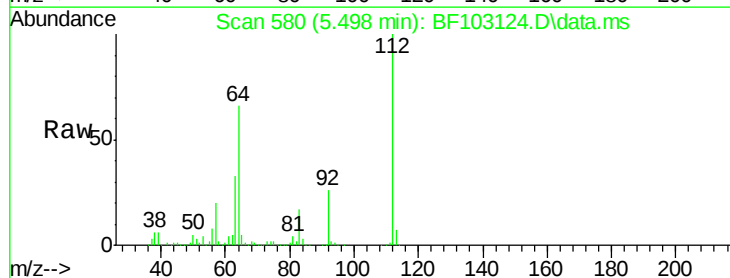
Tgt Ion:112 Resp: 1029062

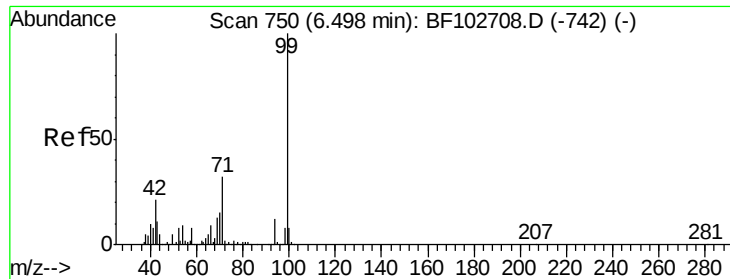
Ion Ratio Lower Upper

112 100

64 66.0 47.9 71.9

63 32.8 23.7 35.5





#7

Phenol-d6

Concen: 89.27 ng

RT: 6.510 min Scan# 75

Delta R.T. 0.000 min

Lab File: BF103124.D

Acq: 20 Feb 2018 19:25

Instrument :

BNA_F

ClientSampleId :

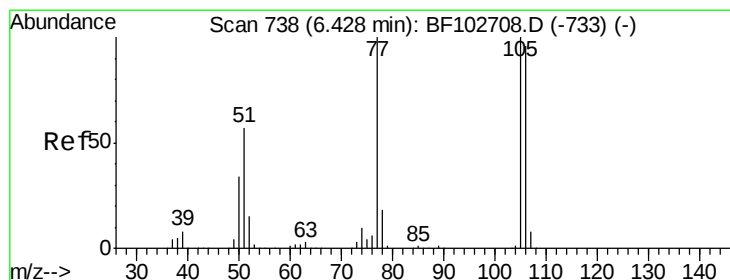
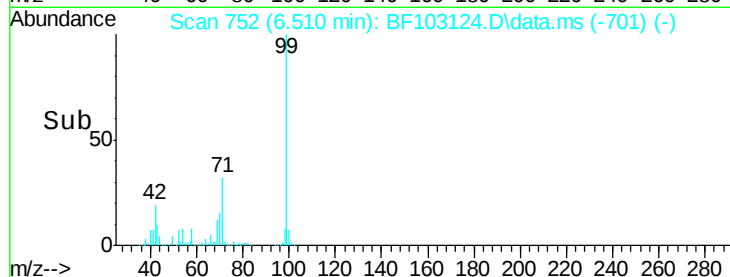
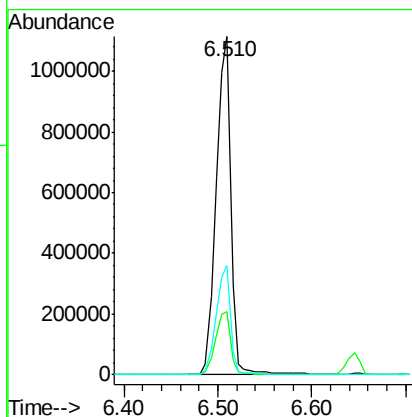
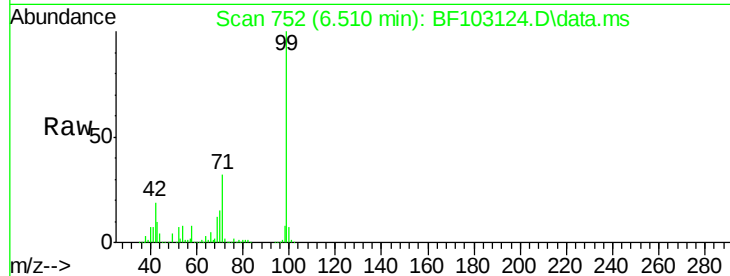
Tot Ion: 99 Resp: 1227218

Ion Ratio Lower Upper

99 100

42 18.7 14.5 21.7

71 32.1 25.4 38.0



#9

Benzaldehyde

Concen: 2.11 ng

RT: 6.645 min Scan# 775

Delta R.T. 0.212 min

Lab File: BF103124.D

Acq: 20 Feb 2018 19:25

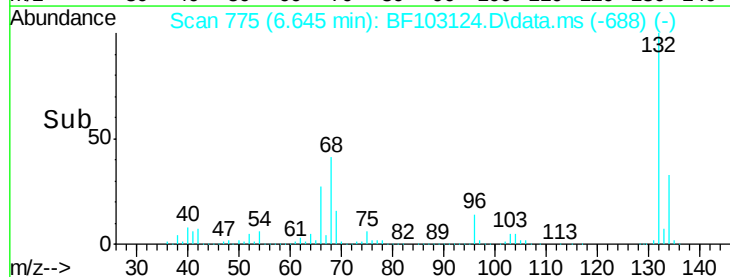
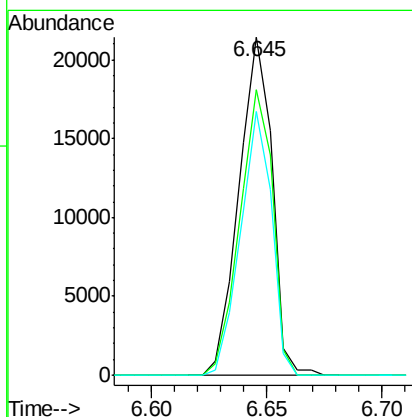
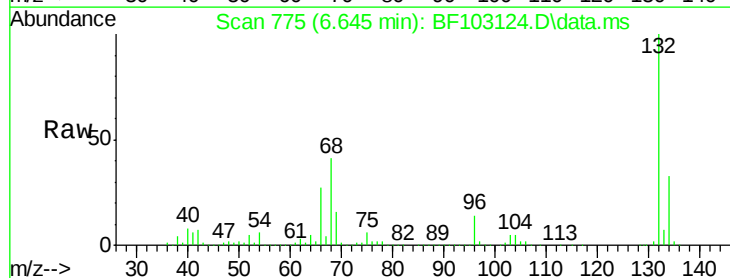
Tgt Ion: 77 Resp: 21495

Ion Ratio Lower Upper

77 100

105 84.6 81.1 121.1

106 77.9 74.5 114.5

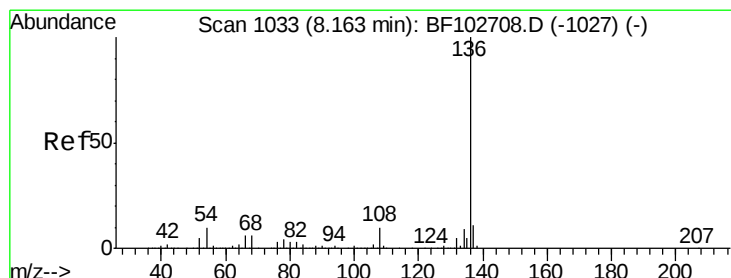
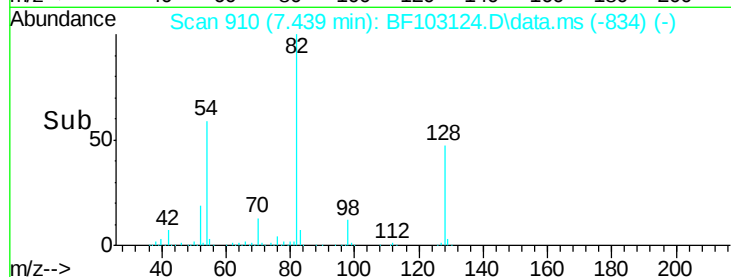
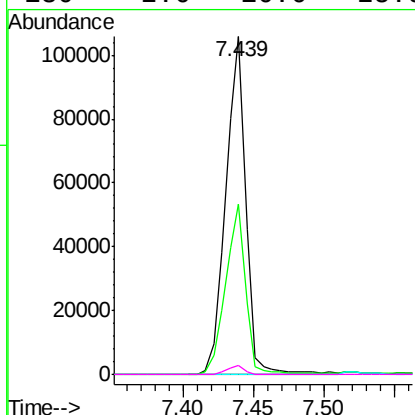
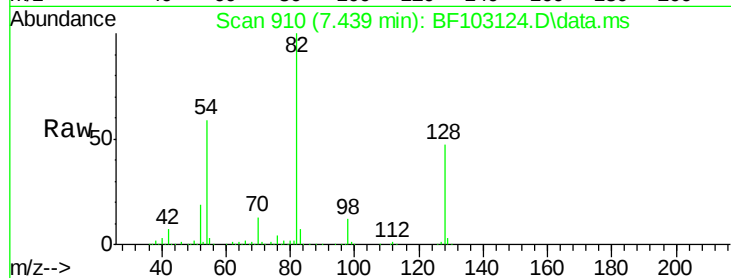




#19
n-Nitroso-di-n-propylamine
Concen: 11.49 ng
RT: 7.439 min Scan# 91
Delta R.T. 0.147 min
Lab File: BF103124.D
Acq: 20 Feb 2018 19:25

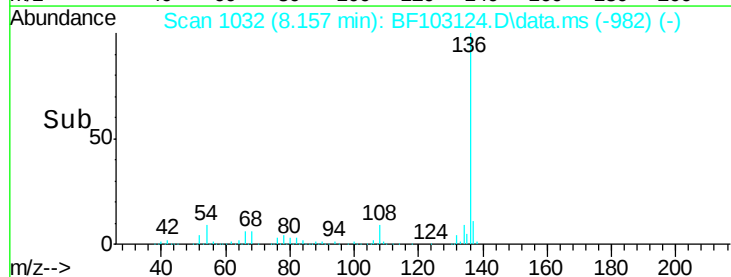
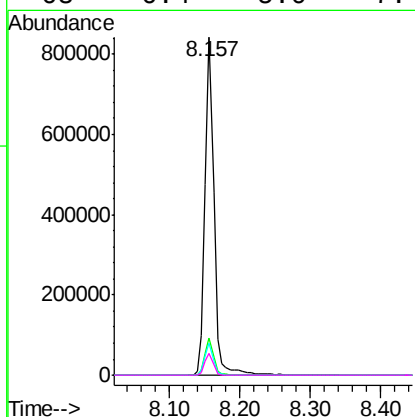
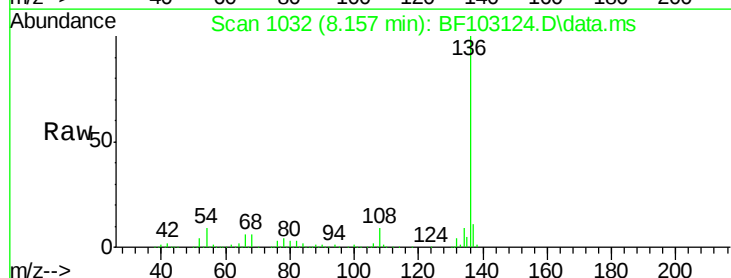
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 104133
Ion Ratio Lower Upper
70 100
42 50.3 47.5 71.3
101 0.0 7.4 11.2#
130 2.6 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF103124.D
Acq: 20 Feb 2018 19:25

Tgt Ion: 136 Resp: 746128
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 9.4 6.6 9.8
68 6.4 5.0 7.4

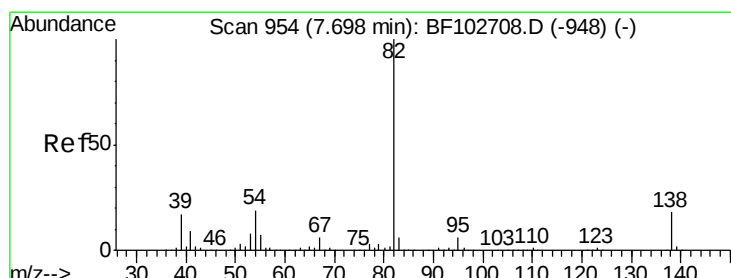
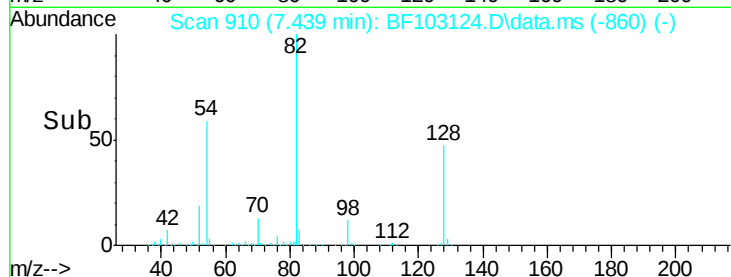
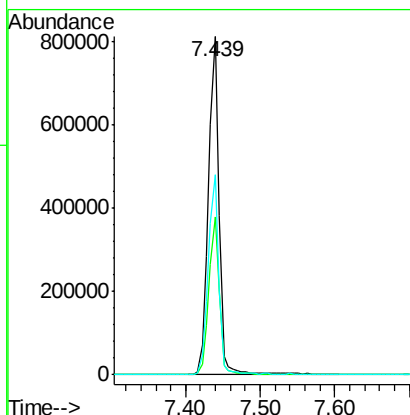
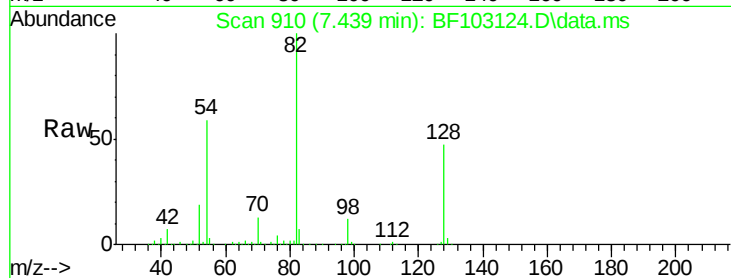




#23
 Nitrobenzene-d5
 Concen: 75.33 ng
 RT: 7.439 min Scan# 910
 Delta R.T. -0.006 min
 Lab File: BF103124.D
 Acq: 20 Feb 2018 19:25

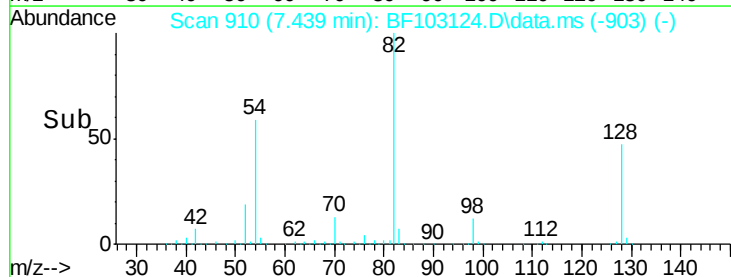
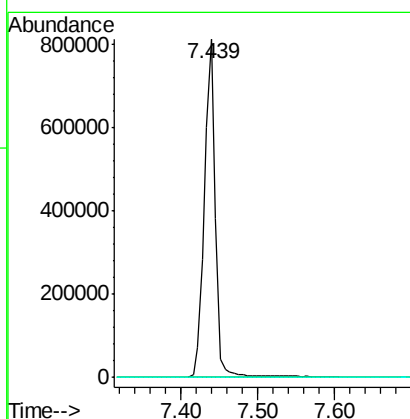
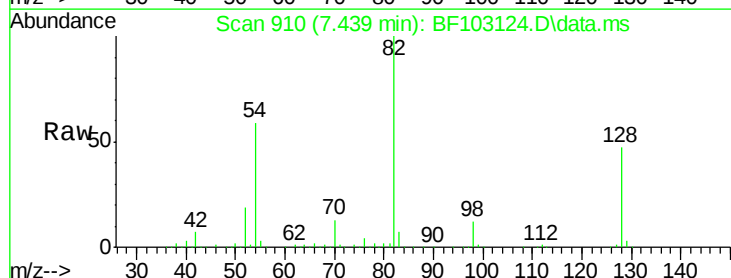
Instrument :
 BNA_F
 ClientSampleId :

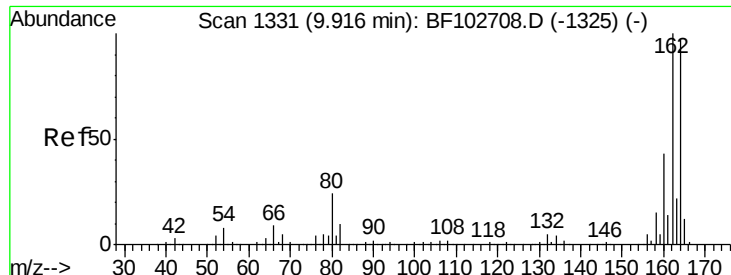
Tot Ion	82	Resp	810189
Ion Ratio	Lower	Upper	
82	100		
128	46.6	36.1	54.1
54	59.1	41.4	62.2



#25
 Isophorone
 Concen: 32.71 ng
 RT: 7.439 min Scan# 910
 Delta R.T. -0.259 min
 Lab File: BF103124.D
 Acq: 20 Feb 2018 19:25

Tgt Ion	82	Resp	810183
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.910 min Scan# 1331

Delta R.T. -0.012 min

Lab File: BF103124.D

Acq: 20 Feb 2018 19:25

Instrument :

BNA_F

ClientSampleId :

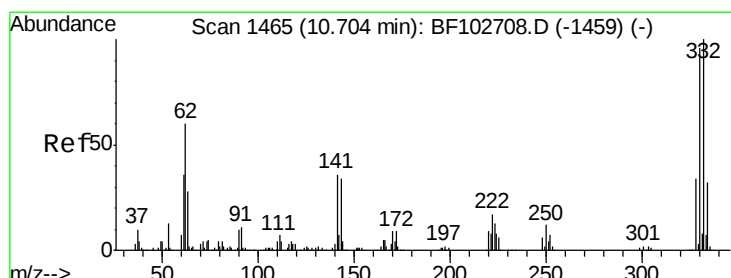
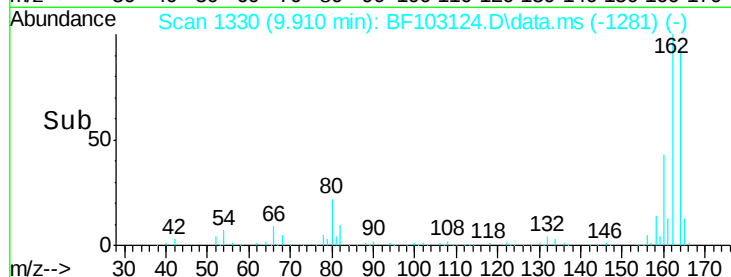
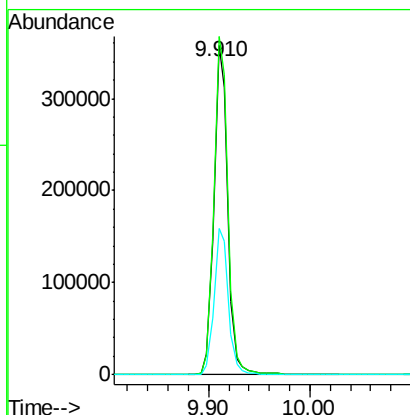
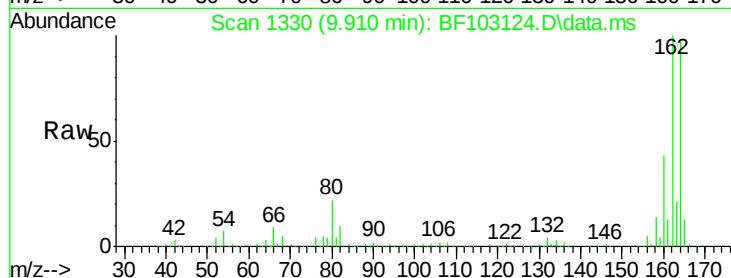
Tot Ion:164 Resp: 337744

Ion Ratio Lower Upper

164 100

162 102.8 86.1 129.1

160 44.3 38.3 57.5



#41

2,4,6-Tribromophenol

Concen: 97.53 ng

RT: 10.704 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF103124.D

Acq: 20 Feb 2018 19:25

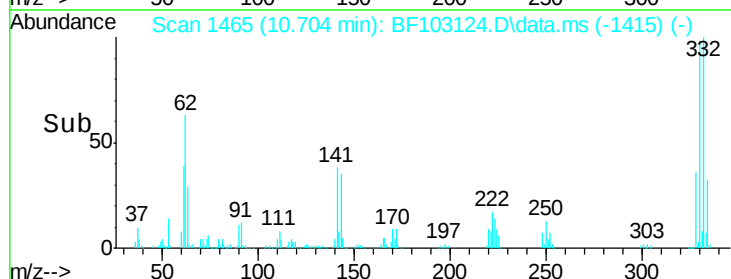
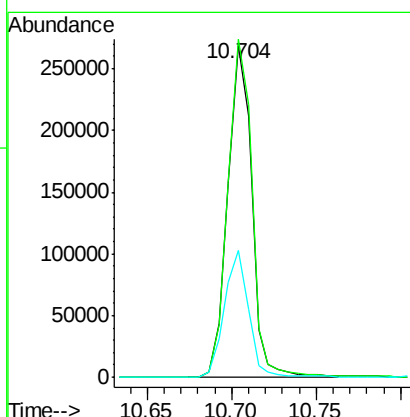
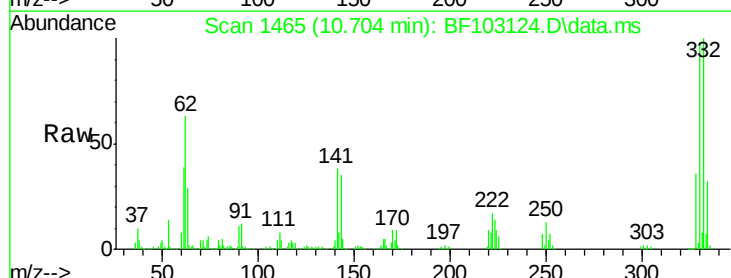
Tgt Ion:330 Resp: 265124

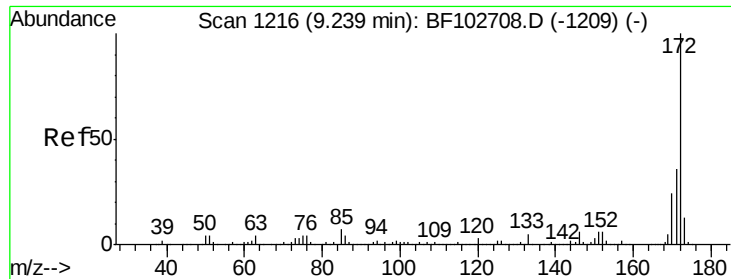
Ion Ratio Lower Upper

330 100

332 103.4 77.0 115.6

141 39.3 29.9 44.9

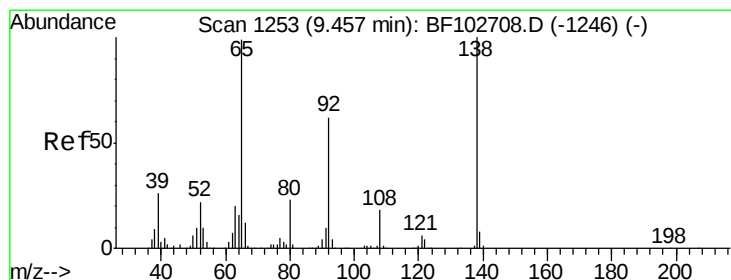
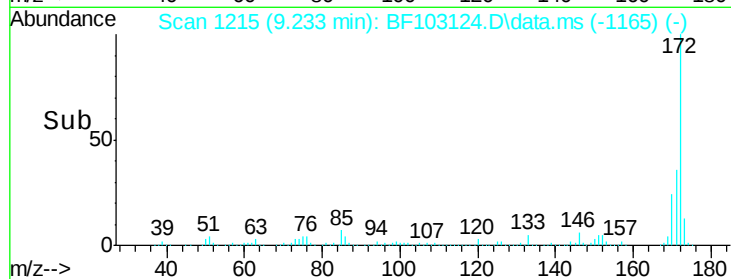
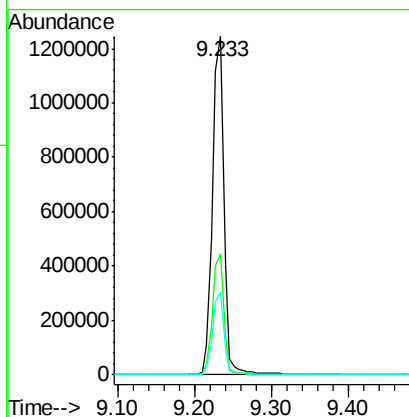
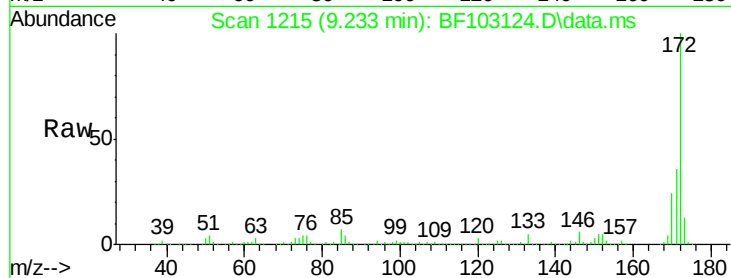




#44
 2-Fluorobiphenyl
 Concen: 61.91 ng
 RT: 9.233 min Scan# 1216
 Delta R.T. -0.006 min
 Lab File: BF103124.D
 Acq: 20 Feb 2018 19:25

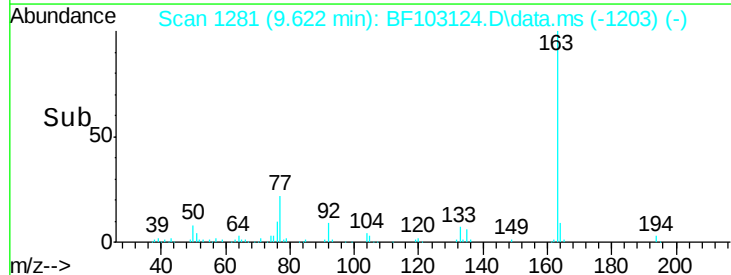
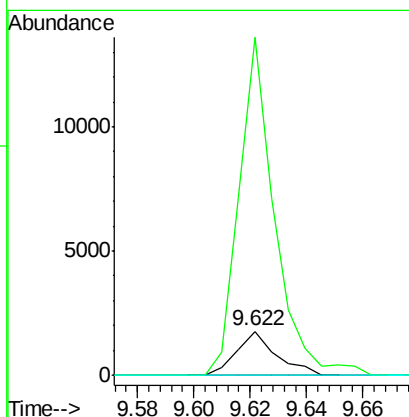
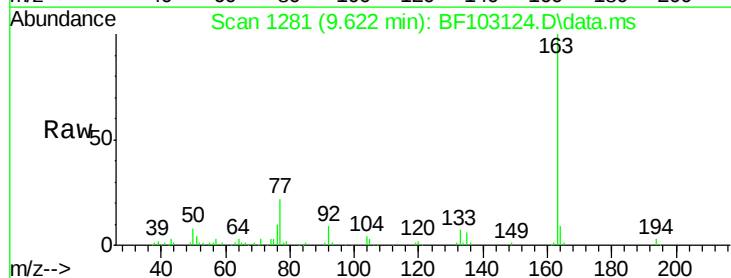
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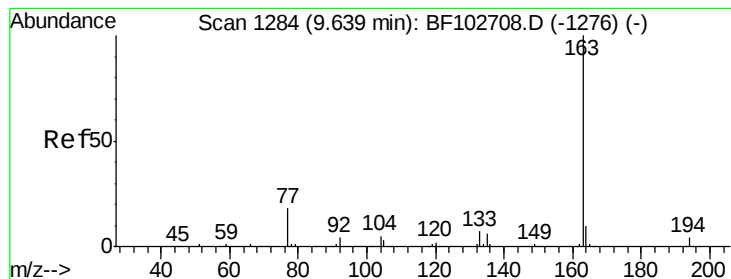
Tot Ion:172 Resp: 1260043
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 24.2 19.6 29.4



#47
 2-Nitroaniline
 Concen: 3.70 ng
 RT: 9.622 min Scan# 1281
 Delta R.T. 0.159 min
 Lab File: BF103124.D
 Acq: 20 Feb 2018 19:25

Tgt Ion: 65 Resp: 1702
 Ion Ratio Lower Upper
 65 100
 92 773.0 55.8 83.6#
 138 0.0 91.2 136.8#





#49

Dimethylphthalate

Concen: 5.33 ng

RT: 9.622 min Scan# 12

Delta R.T. -0.018 min

Lab File: BF103124.D

Acq: 20 Feb 2018 19:25

Instrument :

BNA_F

ClientSampleId :

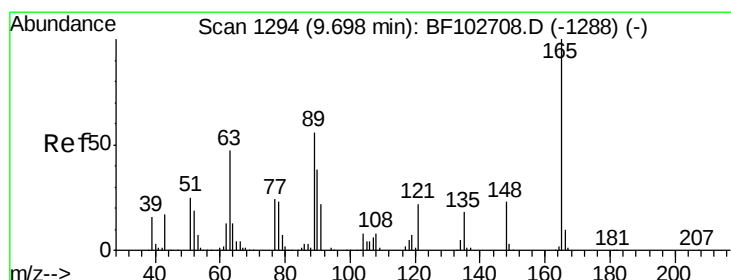
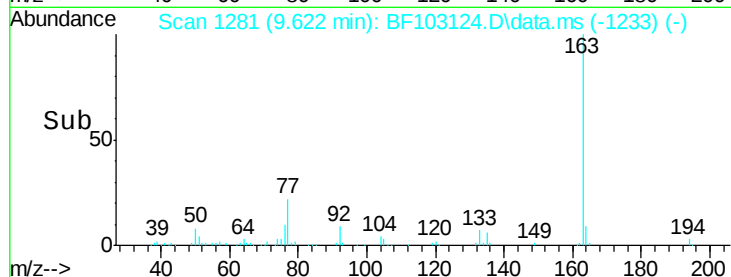
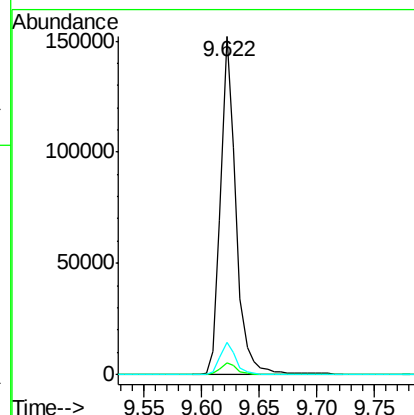
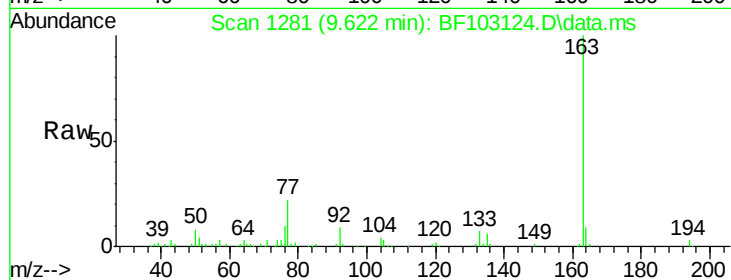
Tot Ion:163 Resp: 140280

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

164 9.5 8.2 12.2



#50

2,6-Dinitrotoluene

Concen: 8.44 ng

RT: 9.910 min Scan# 1330

Delta R.T. 0.206 min

Lab File: BF103124.D

Acq: 20 Feb 2018 19:25

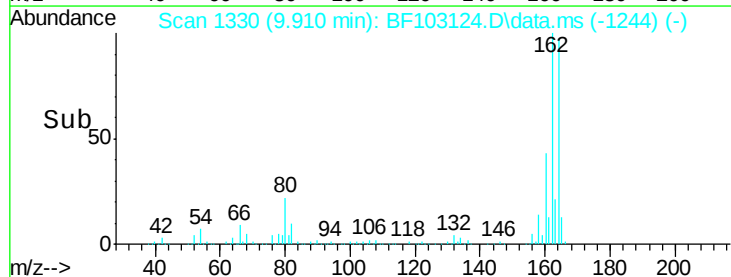
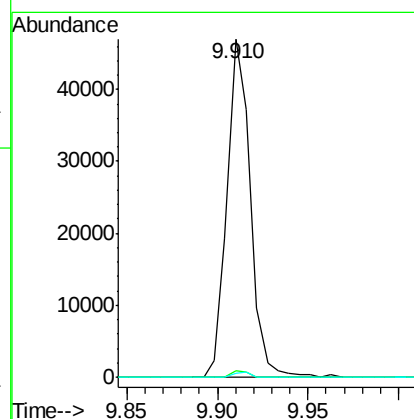
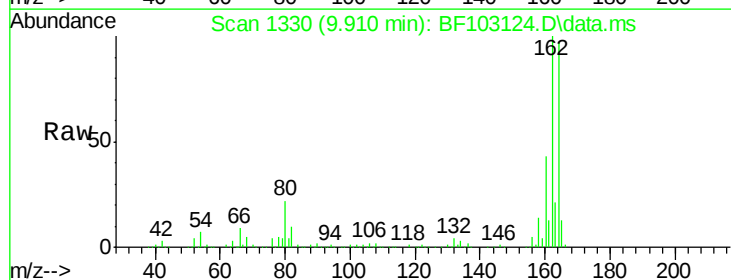
Tgt Ion:165 Resp: 42287

Ion Ratio Lower Upper

165 100

63 1.8 44.7 67.1#

89 1.2 44.0 66.0#

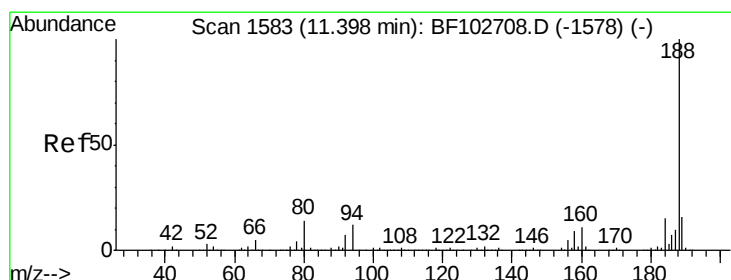
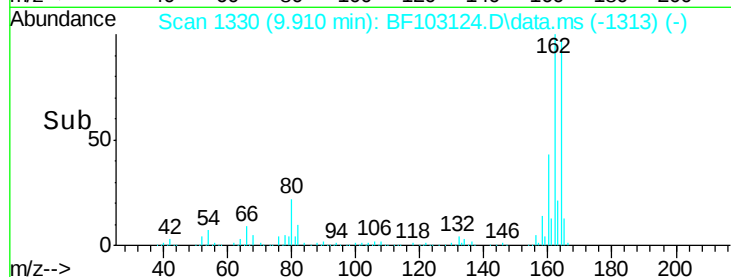
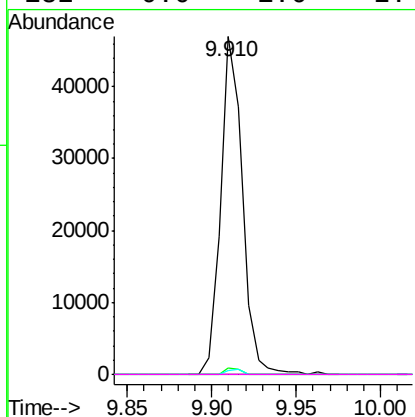
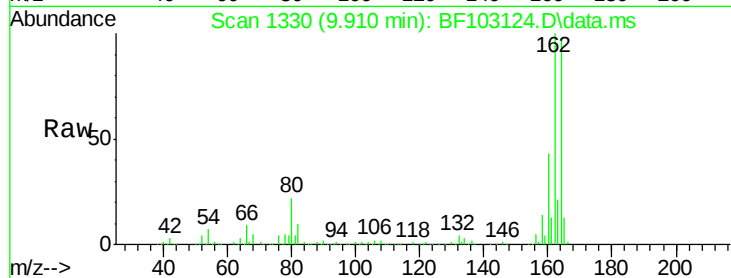




#56
 2,4-Dinitrotoluene
 Concen: 8.97 ng
 RT: 9.910 min Scan# 1362
 Delta R.T. -0.200 min
 Lab File: BF103124.D
 Acq: 20 Feb 2018 19:25

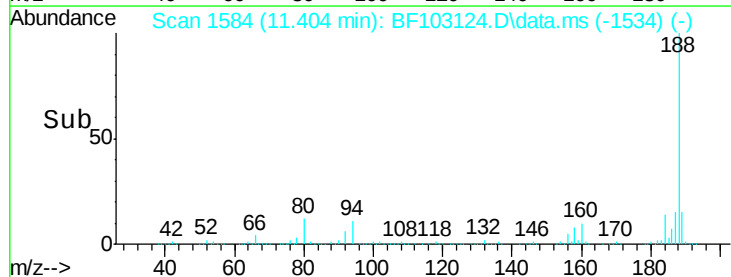
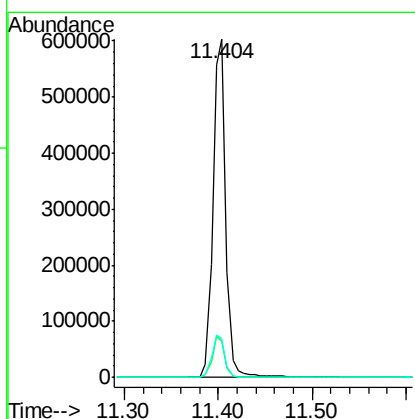
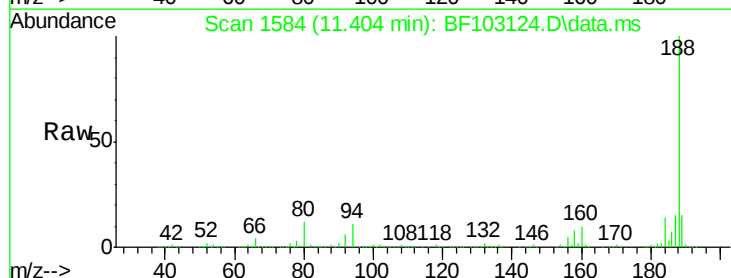
Instrument :
 BNA_F
 ClientSampleId :

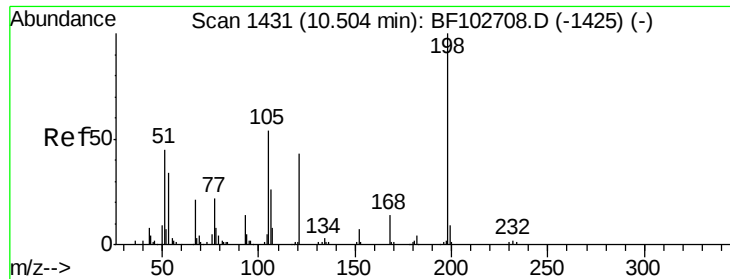
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.404 min Scan# 1584
 Delta R.T. -0.006 min
 Lab File: BF103124.D
 Acq: 20 Feb 2018 19:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	11.5	9.2	13.8

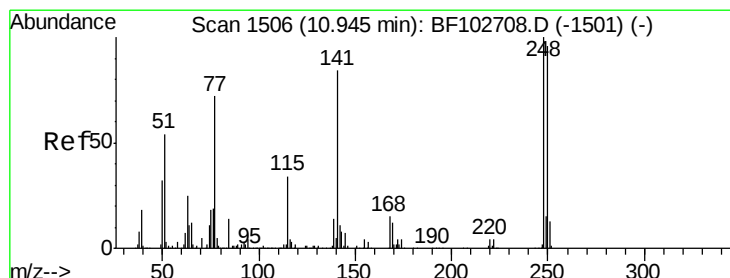
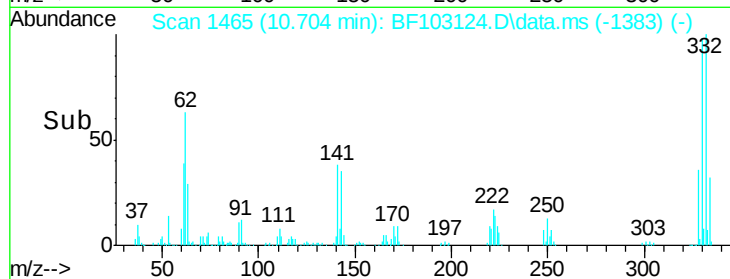
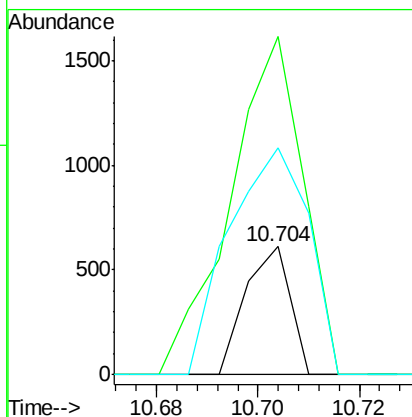
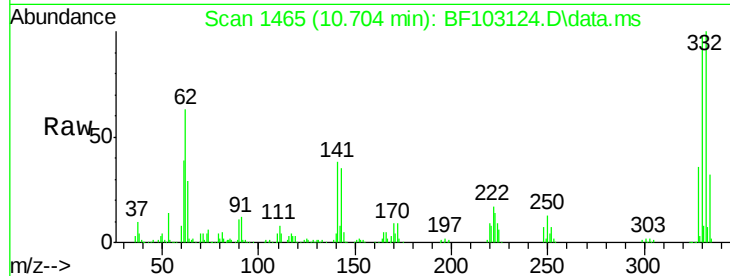




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.93 ng
 RT: 10.704 min Scan# 1431
 Delta R.T. 0.182 min
 Lab File: BF103124.D
 Acq: 20 Feb 2018 19:25

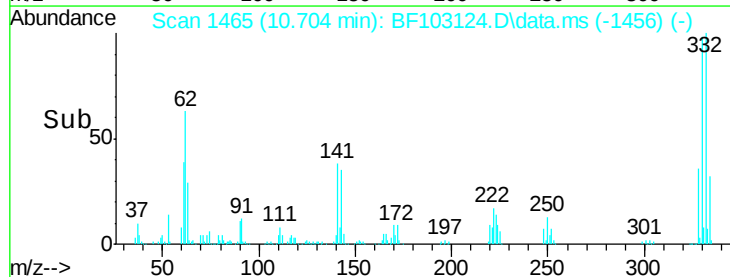
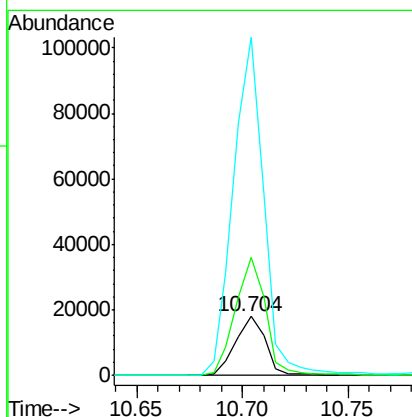
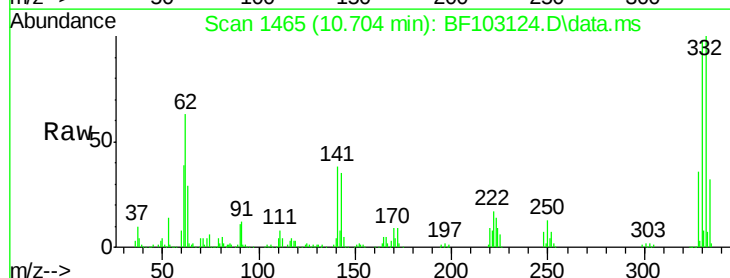
Instrument :
 BNA_F
 ClientSampleId :

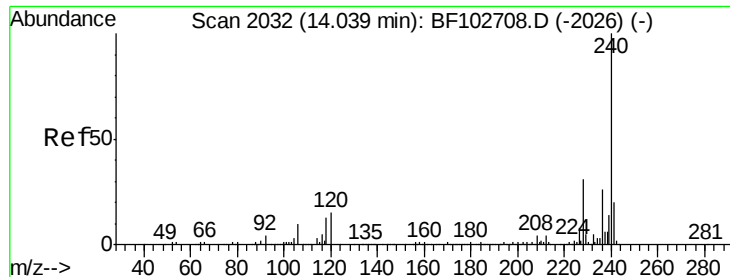
Tot Ion:198 Resp: 373
 Ion Ratio Lower Upper
 198 100
 51 264.5 37.7 77.7#
 105 177.9 36.3 76.3#



#66
 4-Bromophenyl-phenylether
 Concen: 2.85 ng
 RT: 10.704 min Scan# 1465
 Delta R.T. -0.247 min
 Lab File: BF103124.D
 Acq: 20 Feb 2018 19:25

Tgt Ion:248 Resp: 17537
 Ion Ratio Lower Upper
 248 100
 250 199.1 76.9 115.3#
 141 573.9 74.4 111.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.012 min

Lab File: BF103124.D

Acq: 20 Feb 2018 19:25

Instrument :

BNA_F

ClientSampleId :

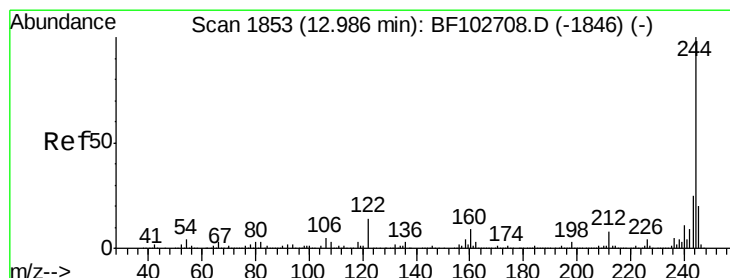
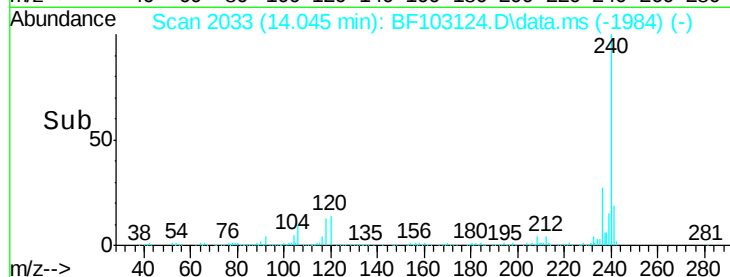
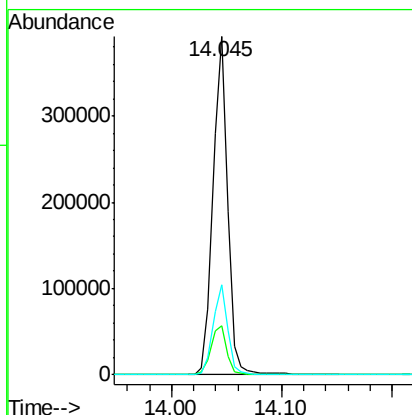
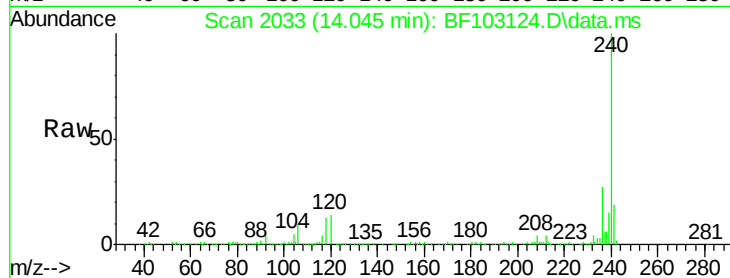
Tot Ion:240 Resp: 354864

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3

236 26.6 20.7 31.1



#78

Terphenyl-d14

Concen: 73.08 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF103124.D

Acq: 20 Feb 2018 19:25

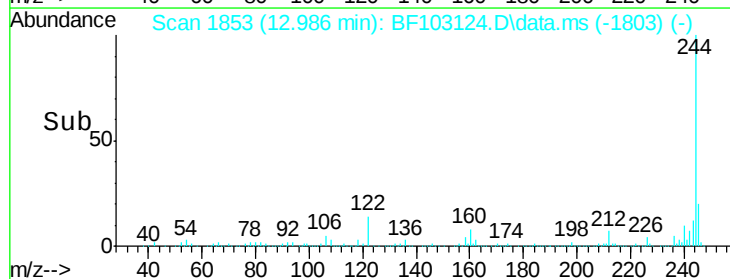
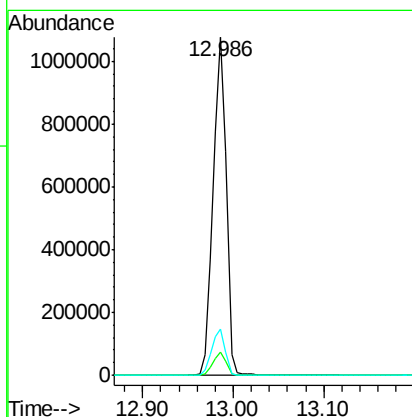
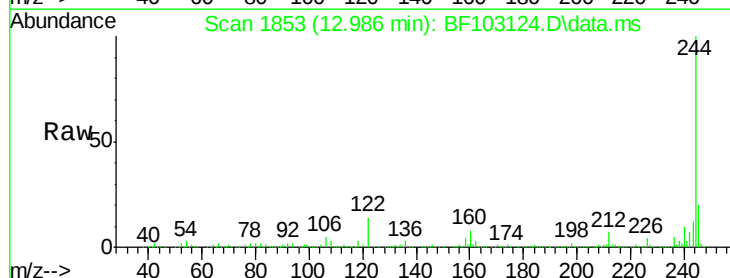
Tgt Ion:244 Resp: 1095285

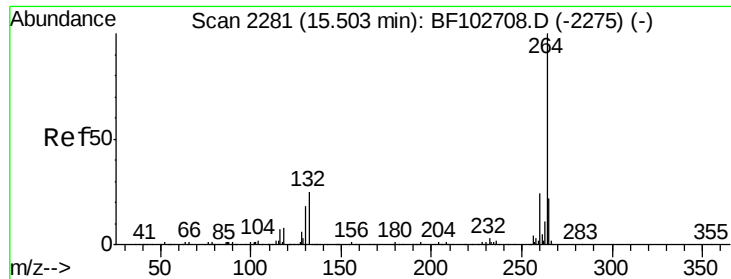
Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 13.7 11.0 16.4





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.533 min Scan# 22
Delta R.T. -0.012 min
Lab File: BF103124.D
Acq: 20 Feb 2018 19:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.0	17.5	26.3

