

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031318\
 Data File : BF103627.D
 Acq On : 14 Mar 2018 3:43
 Operator : SJ/JU
 Sample : J1896-05
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 14 04:51:00 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 11:47:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	131551	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	568997	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	254272	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	435609	20.00	ng	-0.01
75) Chrysene-d12	14.06	240	257620	20.00	ng	0.00
86) Perylene-d12	15.56	264	235699	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	843703	97.00	ng	0.00
7) Phenol-d6	6.50	99	1073642	100.87	ng	-0.01
23) Nitrobenzene-d5	7.43	82	739919	74.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	194519	90.38	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1162342	76.99	ng	-0.01
78) Terphenyl-d14	12.98	244	887898	82.85	ng	0.00

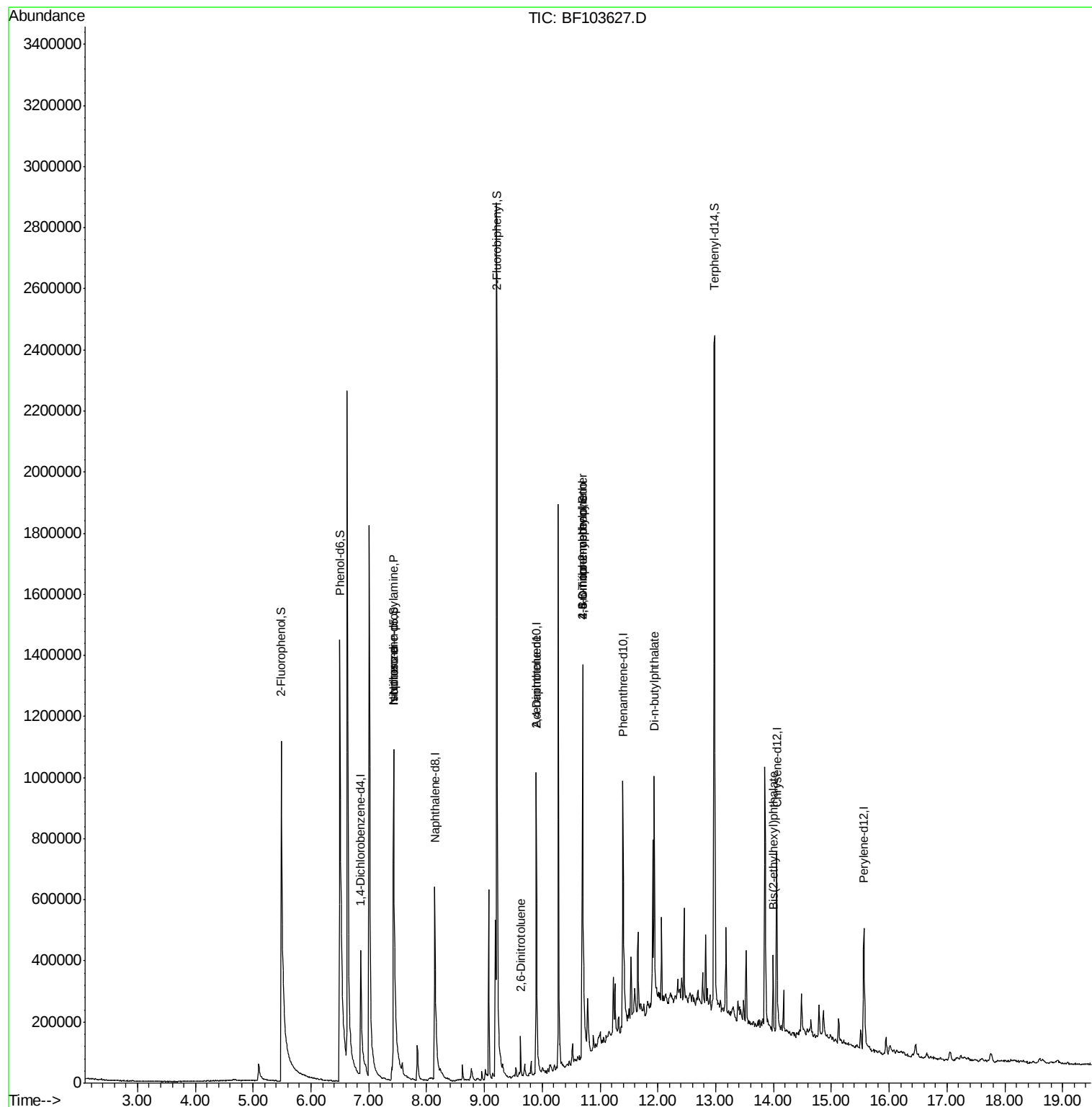
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	1976	Below Cal		# 24
19) n-Nitroso-di-n-propylamine	7.43	70	93020	14.043	ng	# 84
25) Isophorone	7.43	82	739919	37.707	ng	# 64
50) 2,6-Dinitrotoluene	9.63	165	10295	2.405	ng	# 28
56) 2,4-Dinitrotoluene	9.90	165	32548	6.012	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	286	5.042	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	13681	3.015	ng	# 1
73) Di-n-butylphthalate	11.94	149	383093	12.506	ng	# 98
83) Bis(2-ethylhexyl)phthalate	13.99	149	65123	4.548	ng	# 98

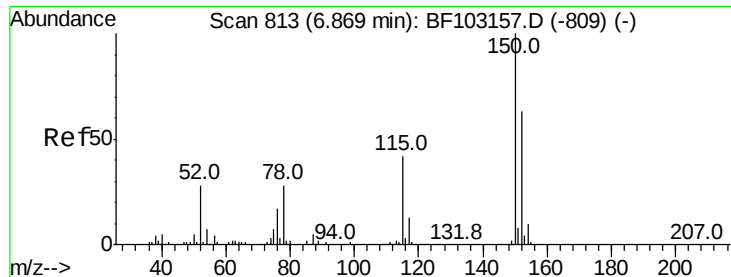
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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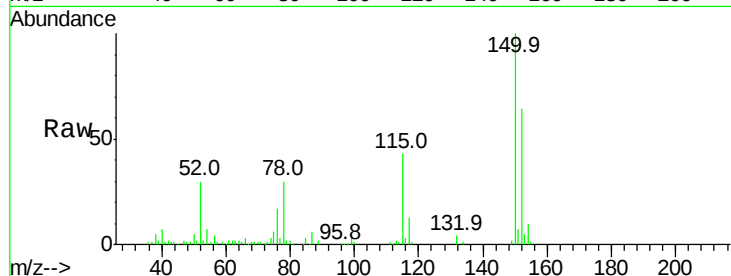


#1

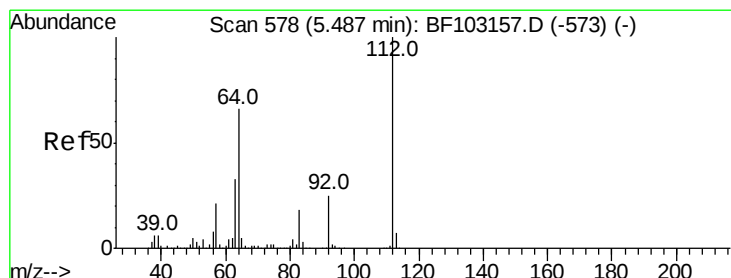
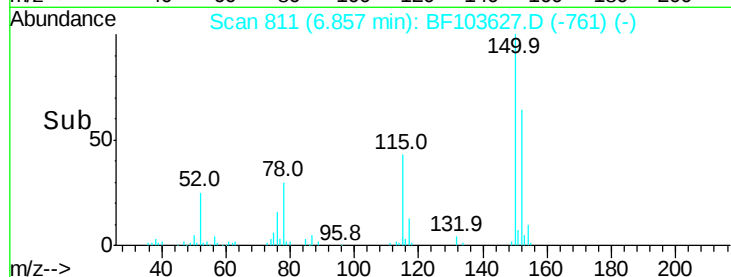
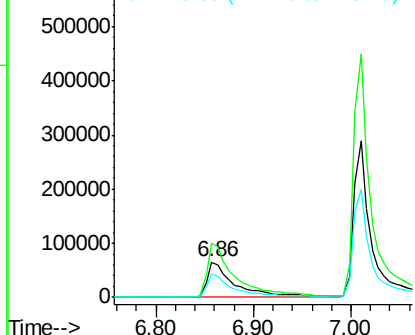
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103627.D
Acq: 14 Mar 2018 3:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	66.2	50.1	75.1



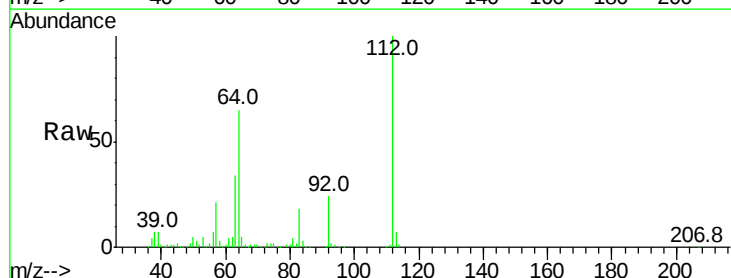
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



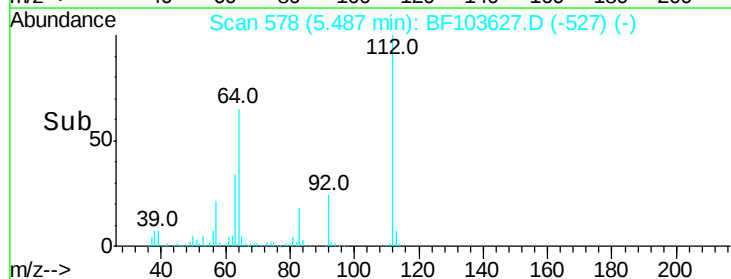
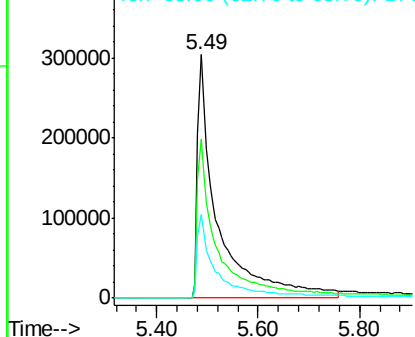
#5

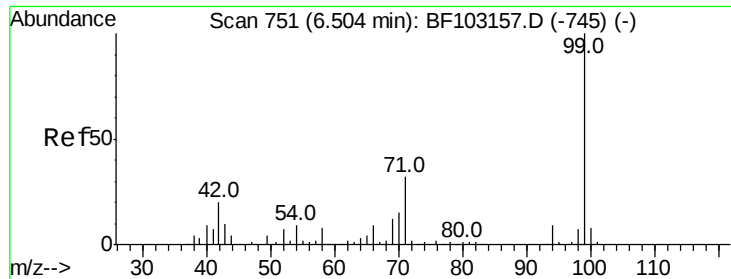
2-Fluorophenol
Concen: 97.000 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF103627.D
Acq: 14 Mar 2018 3:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	47.9	71.9
63	34.2	23.7	35.5



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: 100.875 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103627.D

Acq: 14 Mar 2018 3:43

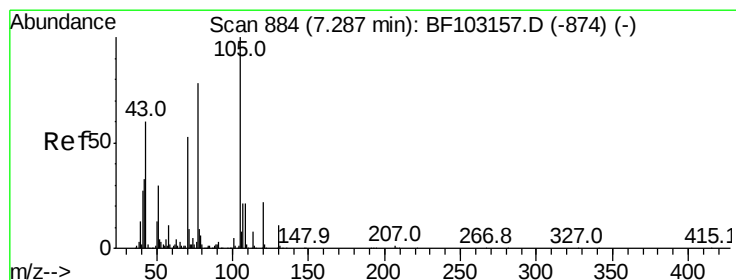
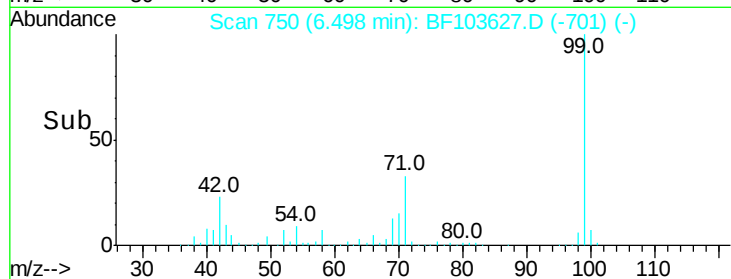
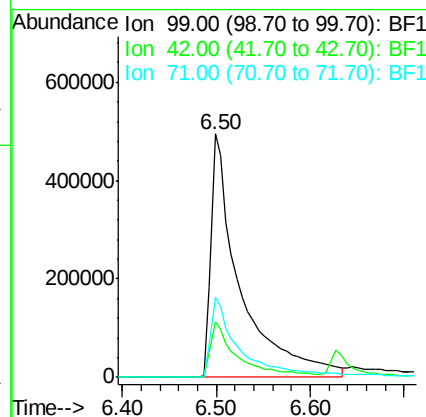
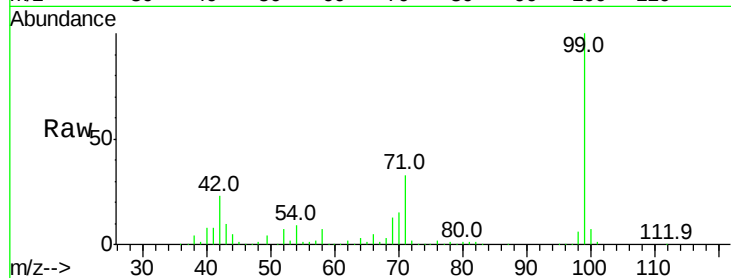
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1073642

Ion	Ratio	Lower	Upper
99	100		
42	22.5	14.5	21.7#
71	33.0	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.043 ng

RT: 7.43 min Scan# 908

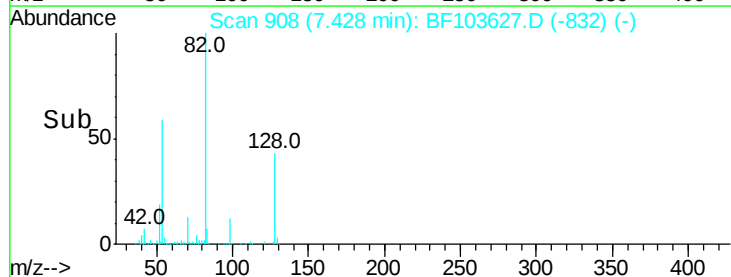
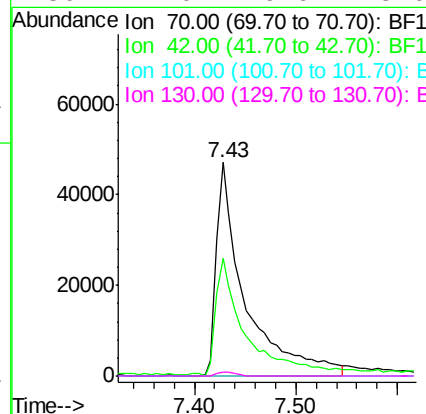
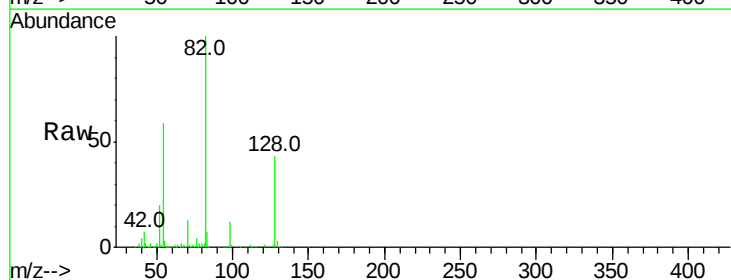
Delta R.T. 0.15 min

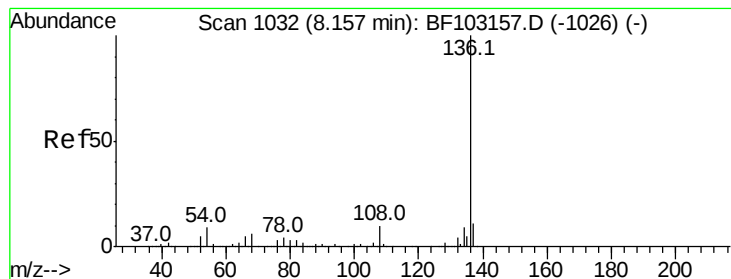
Lab File: BF103627.D

Acq: 14 Mar 2018 3:43

Tgt Ion: 70 Resp: 93020

Ion	Ratio	Lower	Upper
70	100		
42	55.1	47.5	71.3
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF103627.D

Acq: 14 Mar 2018 3:43

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 568997

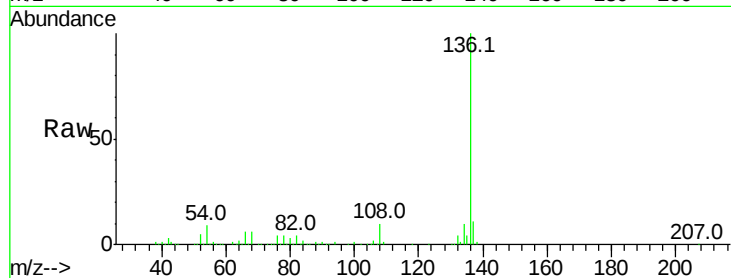
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.4 6.6 9.8

68 6.5 5.0 7.4

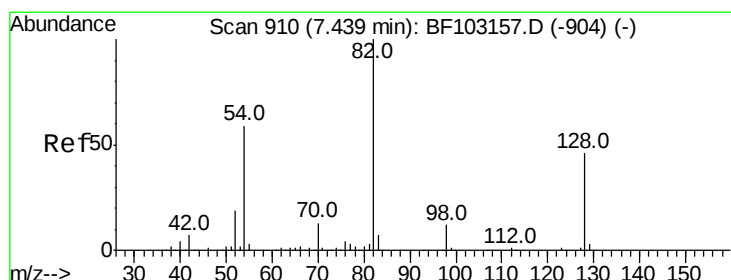
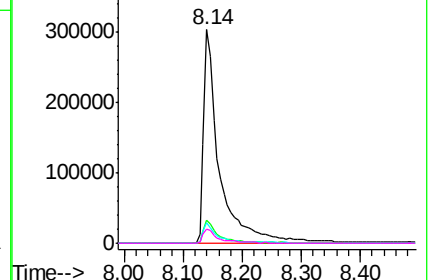
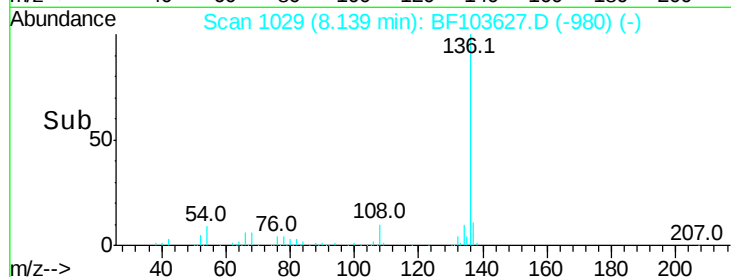


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.263 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF103627.D

Acq: 14 Mar 2018 3:43

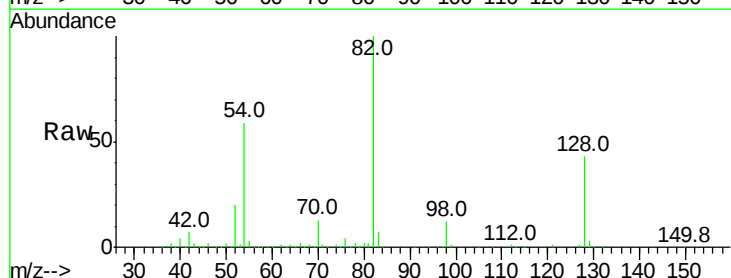
Tgt Ion: 82 Resp: 739919

Ion Ratio Lower Upper

82 100

128 42.6 36.1 54.1

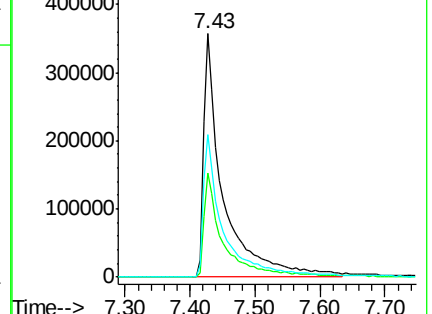
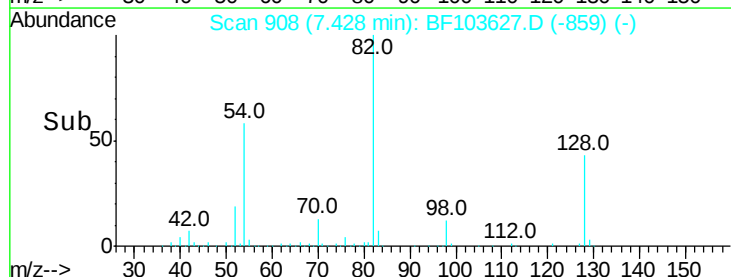
54 58.7 41.4 62.2

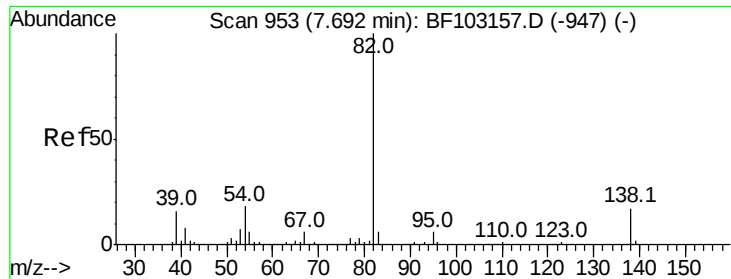


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.707 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF103627.D

Acq: 14 Mar 2018 3:43

Instrument :

BNA_F

ClientSampled :

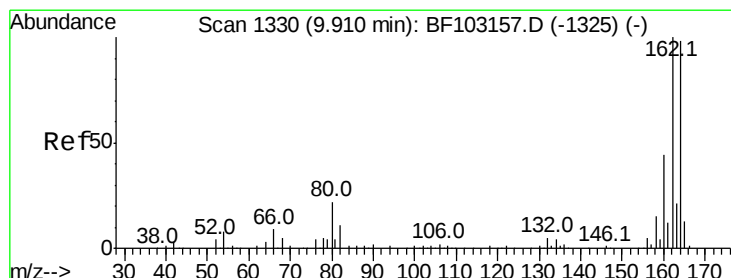
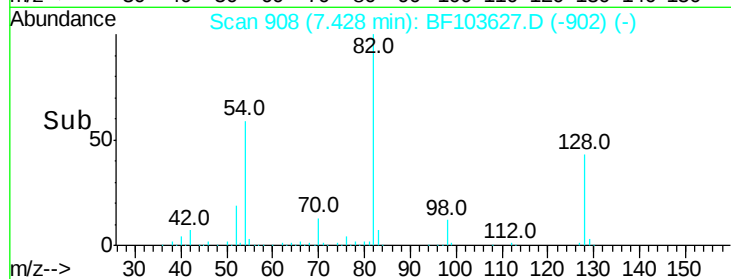
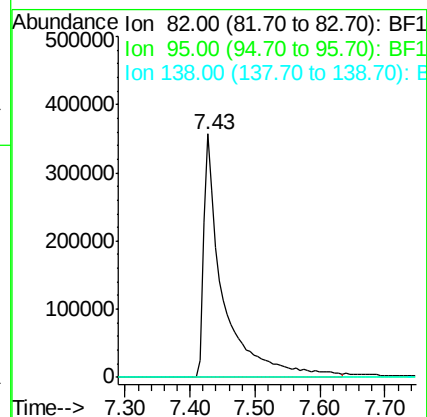
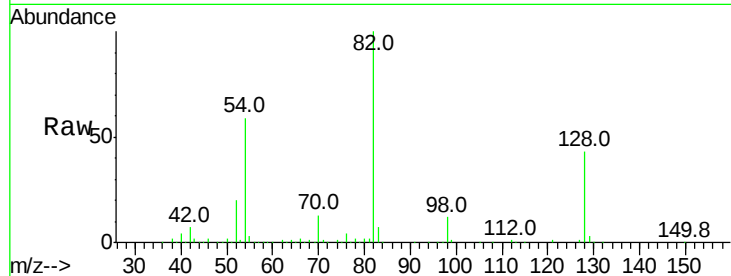
Tot Ion: 82 Resp: 739919

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF103627.D

Acq: 14 Mar 2018 3:43

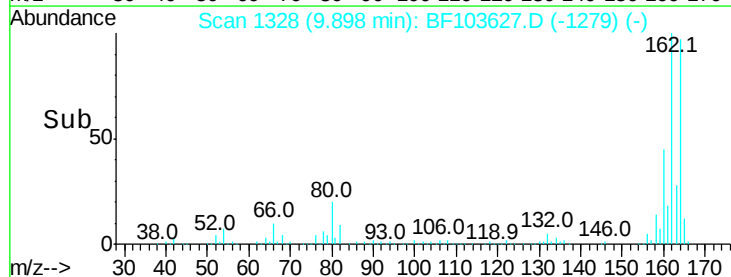
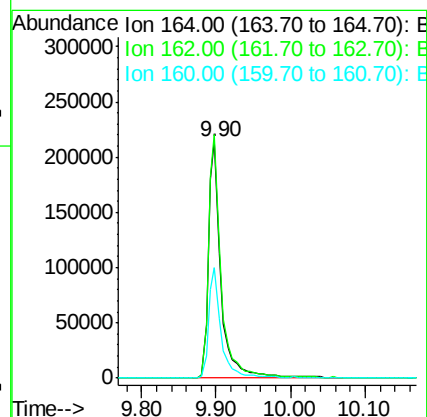
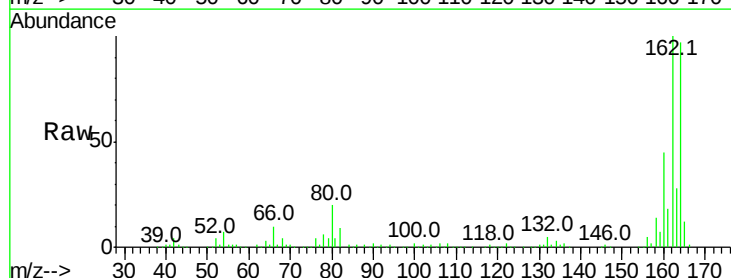
Tgt Ion: 164 Resp: 254272

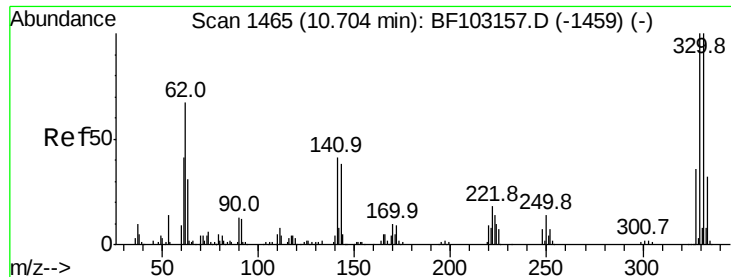
Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

160 46.6 38.3 57.5

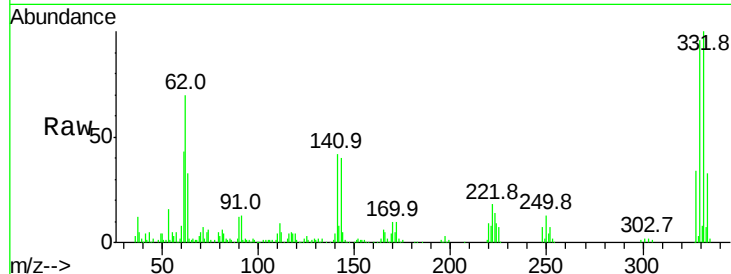




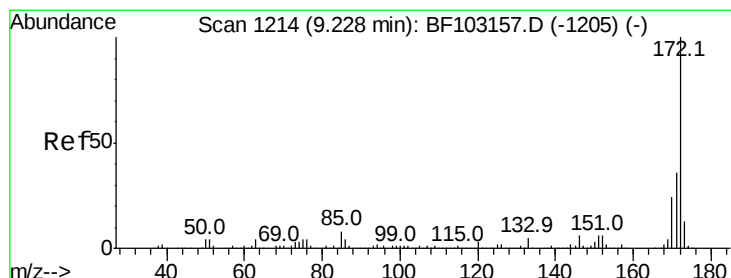
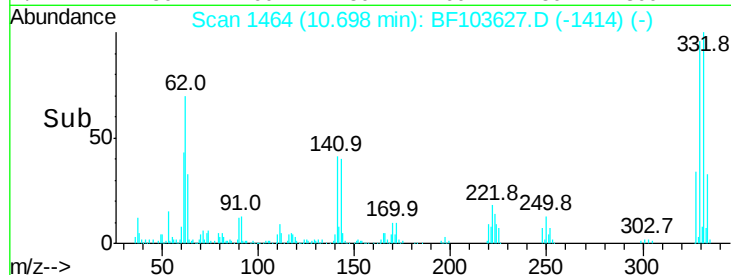
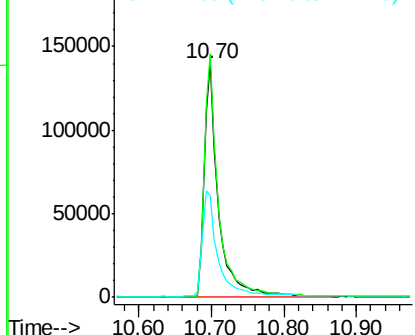
#41
 2,4,6-Tribromophenol
 Concen: 90.378 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103627.D
 Acq: 14 Mar 2018 3:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 194519
 Ion Ratio Lower Upper
 330 100
 332 104.1 77.0 115.6
 141 49.7 29.9 44.9#

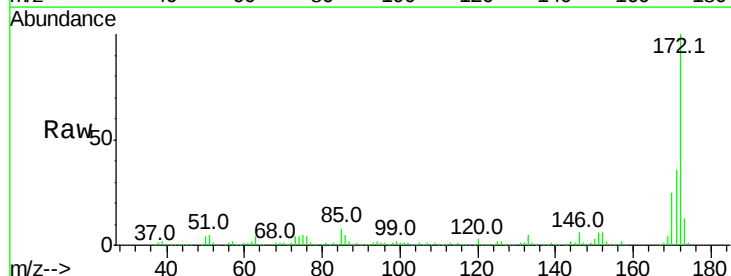


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

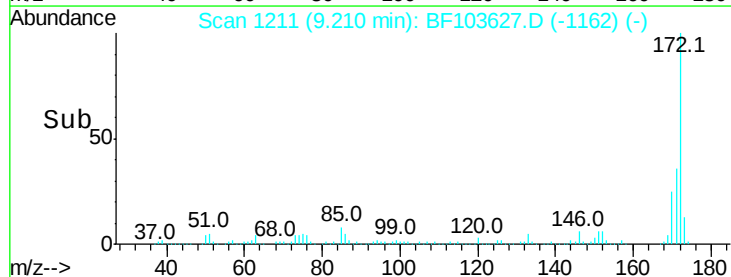
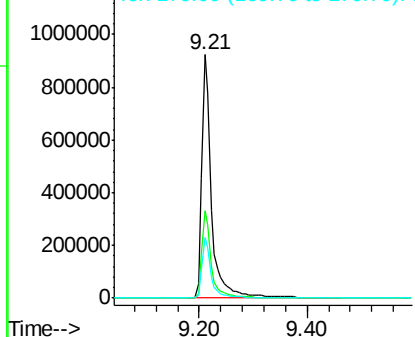


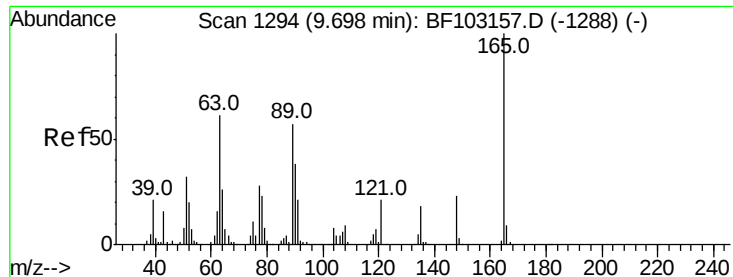
#44
 2-Fluorobiphenyl
 Concen: 76.985 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF103627.D
 Acq: 14 Mar 2018 3:43

Tgt Ion:172 Resp: 1162342
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.6 19.6 29.4



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

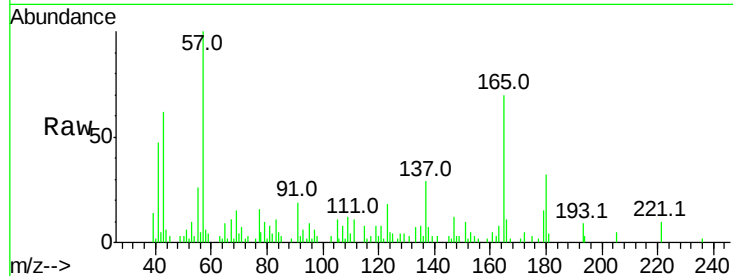




#50
2,6-Dinitrotoluene
Concen: 2.405 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.08 min
Lab File: BF103627.D
Acq: 14 Mar 2018 3:43

Instrument :
BNA_F
ClientSampleId :

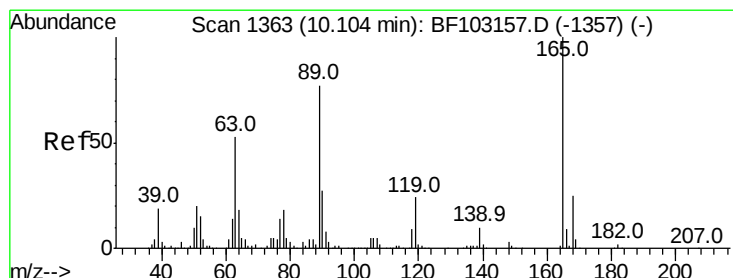
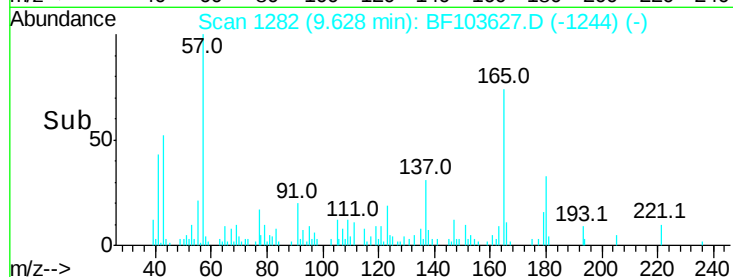
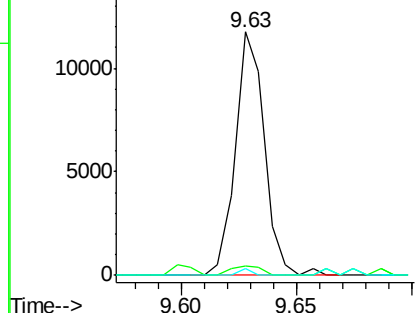
Tot Ion	Ratio	Lower	Upper
165	100		
63	4.1	44.7	67.1#
89	2.7	44.0	66.0#



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



#56
2,4-Dinitrotoluene
Concen: 6.012 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.22 min
Lab File: BF103627.D
Acq: 14 Mar 2018 3:43

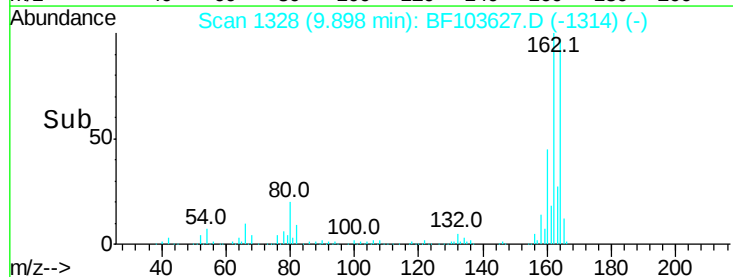
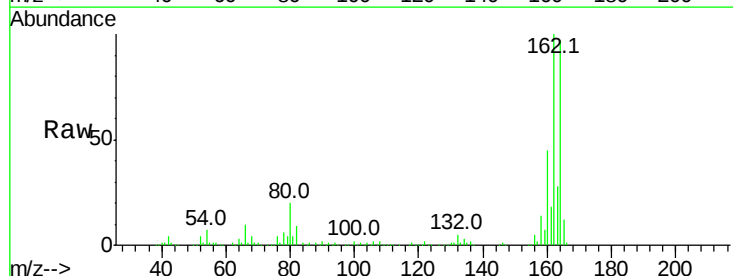
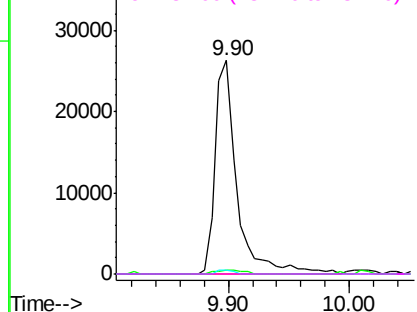
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	36.4	54.6#
89	2.0	57.8	86.6#
182	0.0	1.6	2.4#

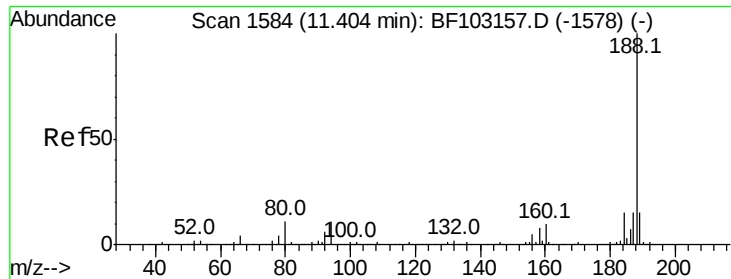
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF103627.D

Acq: 14 Mar 2018 3:43

Instrument :

BNA_F

ClientSampleId :

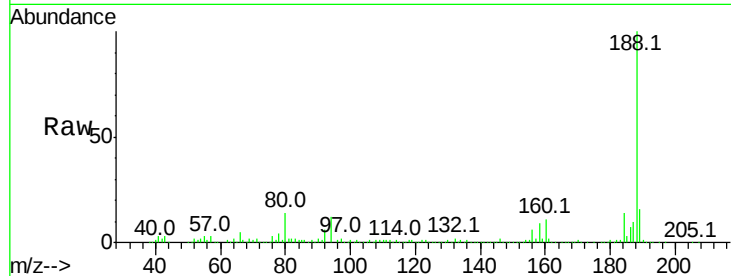
Tot Ion:188 Resp: 435609

Ion Ratio Lower Upper

188 100

94 12.1 8.5 12.7

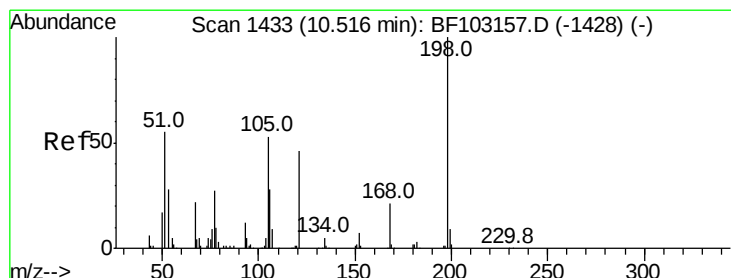
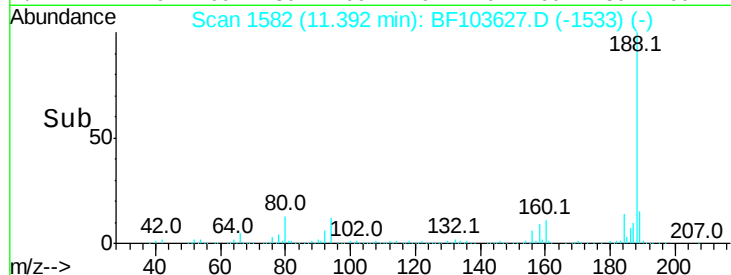
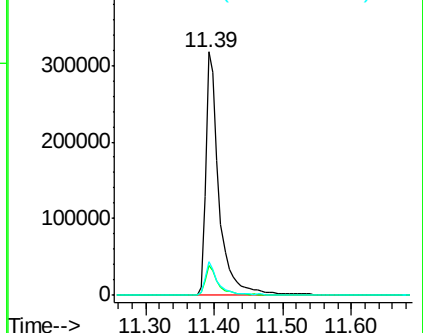
80 13.6 9.2 13.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.042 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.16 min

Lab File: BF103627.D

Acq: 14 Mar 2018 3:43

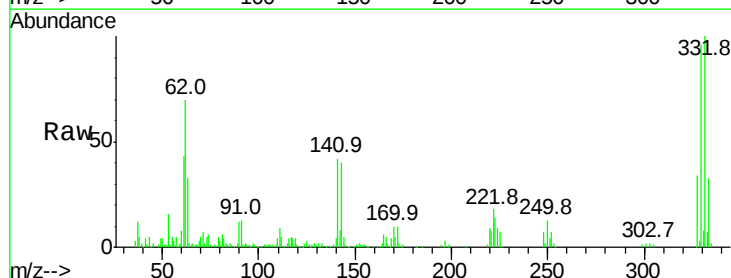
Tgt Ion:198 Resp: 286

Ion Ratio Lower Upper

198 100

51 218.0 37.7 77.7#

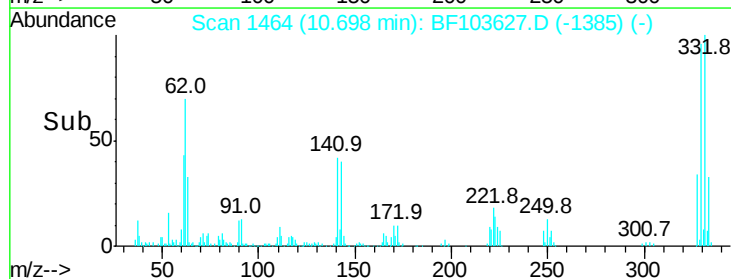
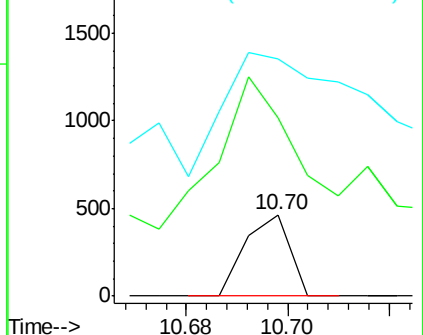
105 289.9 36.3 76.3#

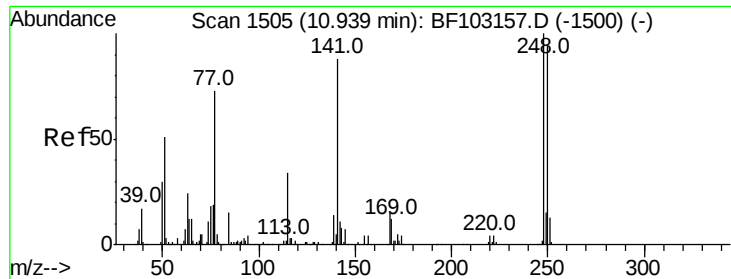


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

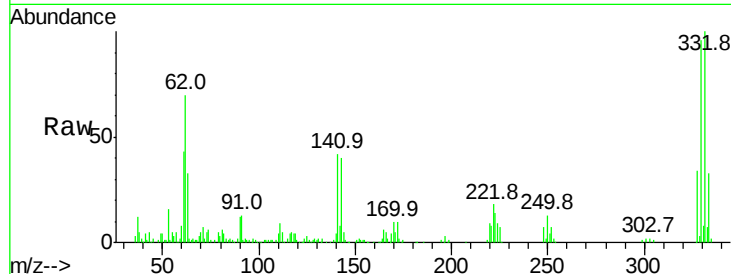




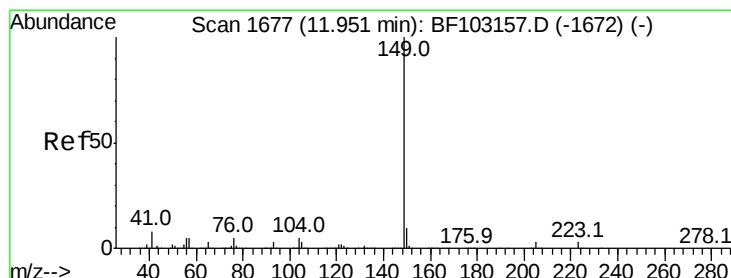
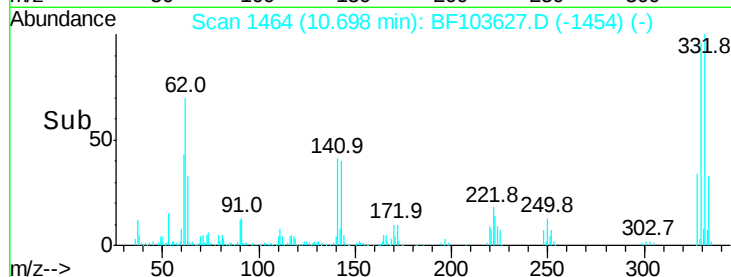
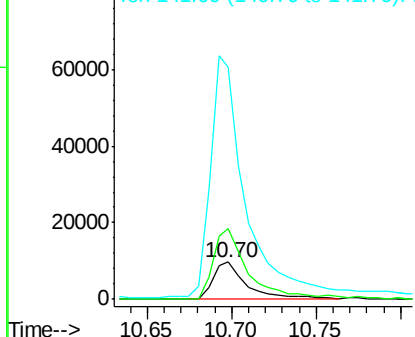
#66
4-Bromophenyl-phenylether
Concen: 3.015 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF103627.D
Acq: 14 Mar 2018 3:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13681
Ion Ratio Lower Upper
248 100
250 188.9 76.9 115.3#
141 623.1 74.4 111.6#

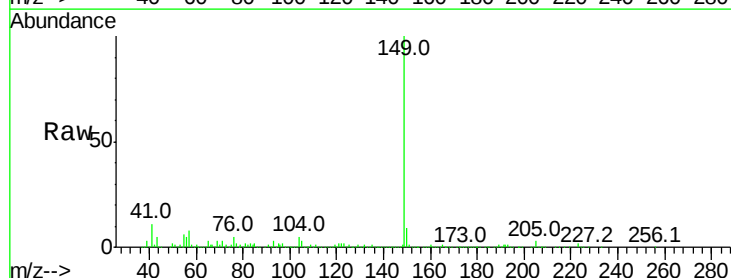


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

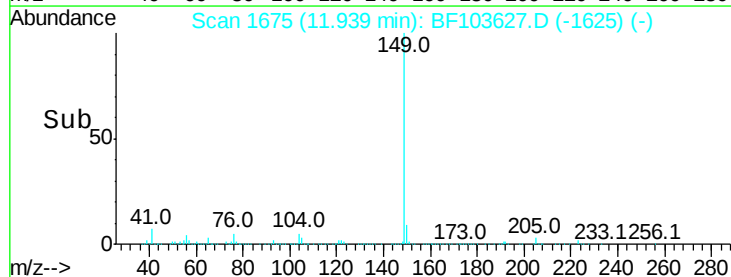
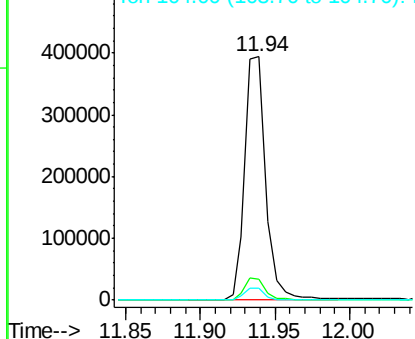


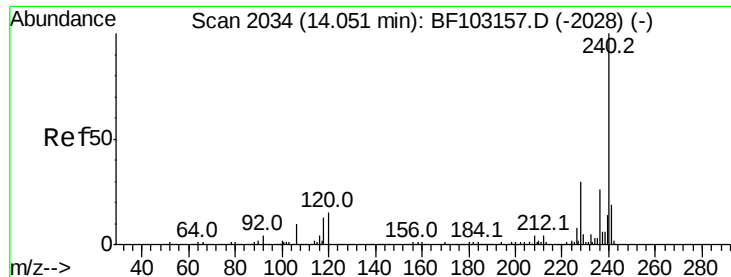
#73
Di-n-butylphthalate
Concen: 12.506 ng
RT: 11.94 min Scan# 1675
Delta R.T. -0.01 min
Lab File: BF103627.D
Acq: 14 Mar 2018 3:43

Tgt Ion:149 Resp: 383093
Ion Ratio Lower Upper
149 100
150 8.7 7.8 11.6
104 4.7 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF103627.D

Acq: 14 Mar 2018 3:43

Instrument :

BNA_F

ClientSampleId :

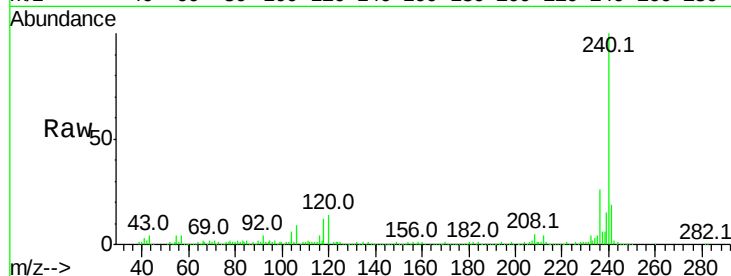
Tot Ion:240 Resp: 257620

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

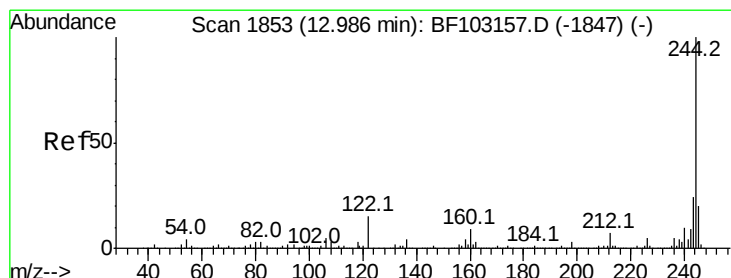
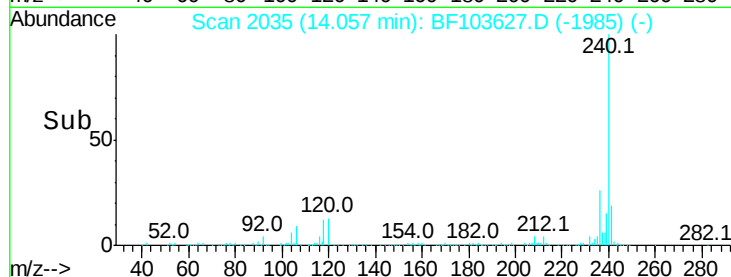
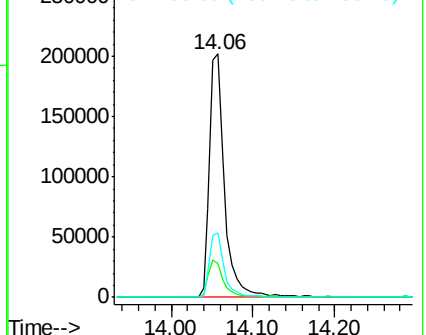
236 26.3 20.7 31.1



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



#78

Terphenyl-d14

Concen: 82.850 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103627.D

Acq: 14 Mar 2018 3:43

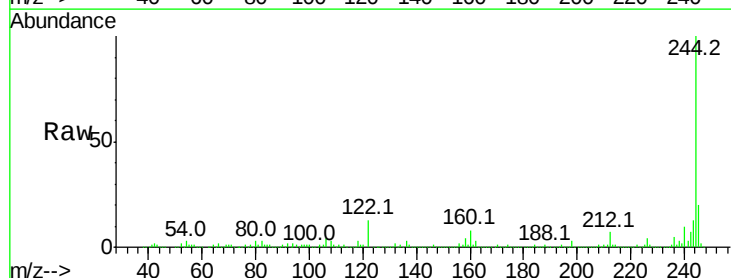
Tgt Ion:244 Resp: 887898

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

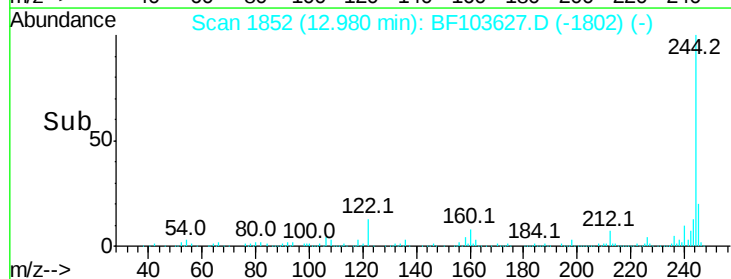
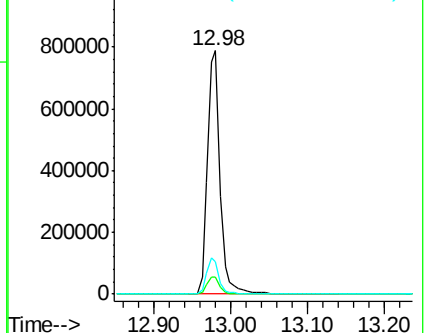
122 13.4 11.0 16.4

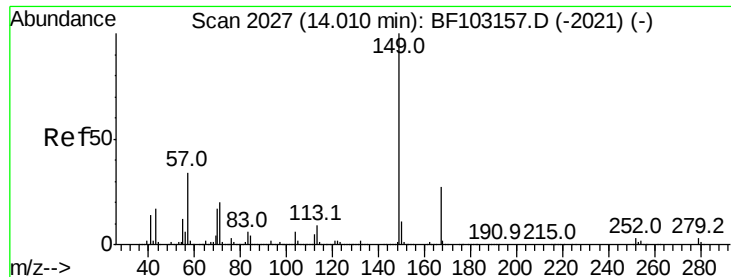


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.548 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF103627.D

Acq: 14 Mar 2018 3:43

Instrument :

BNA_F

ClientSampleId :

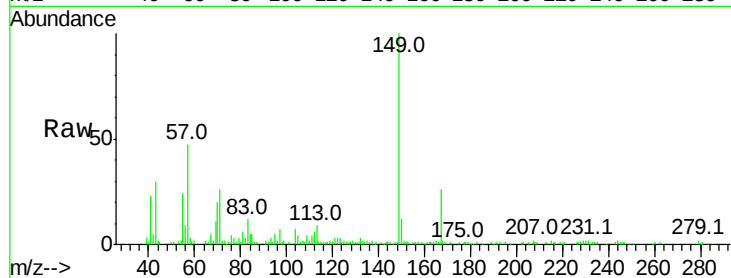
Tot Ion:149 Resp: 65123

Ion Ratio Lower Upper

149 100

167 25.6 21.3 31.9

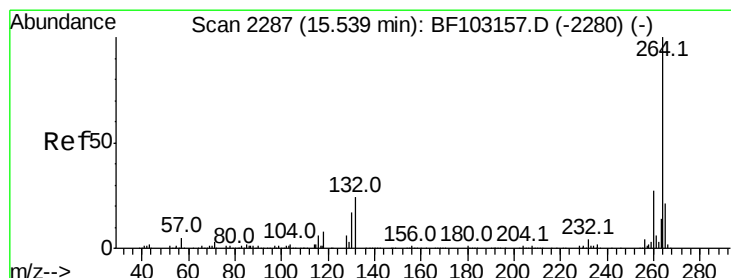
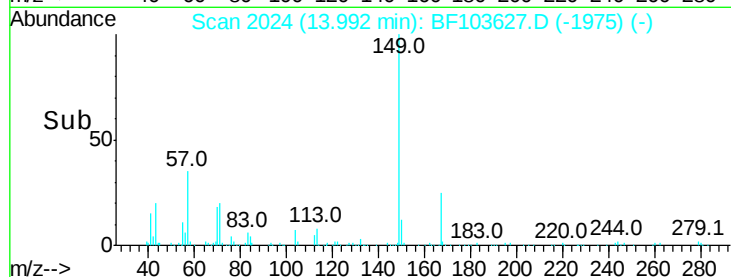
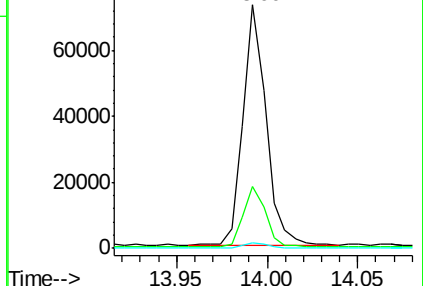
279 2.3 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF103627.D

Acq: 14 Mar 2018 3:43

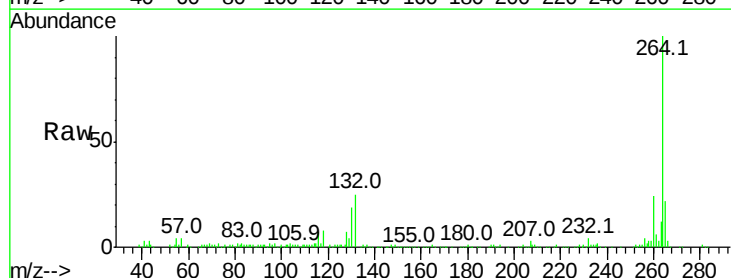
Tgt Ion:264 Resp: 235699

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 22.0 17.5 26.3



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

