

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031318\
 Data File : BF103604.D
 Acq On : 13 Mar 2018 15:15
 Operator : SJ/JU
 Sample : J1893-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 16:08:03 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

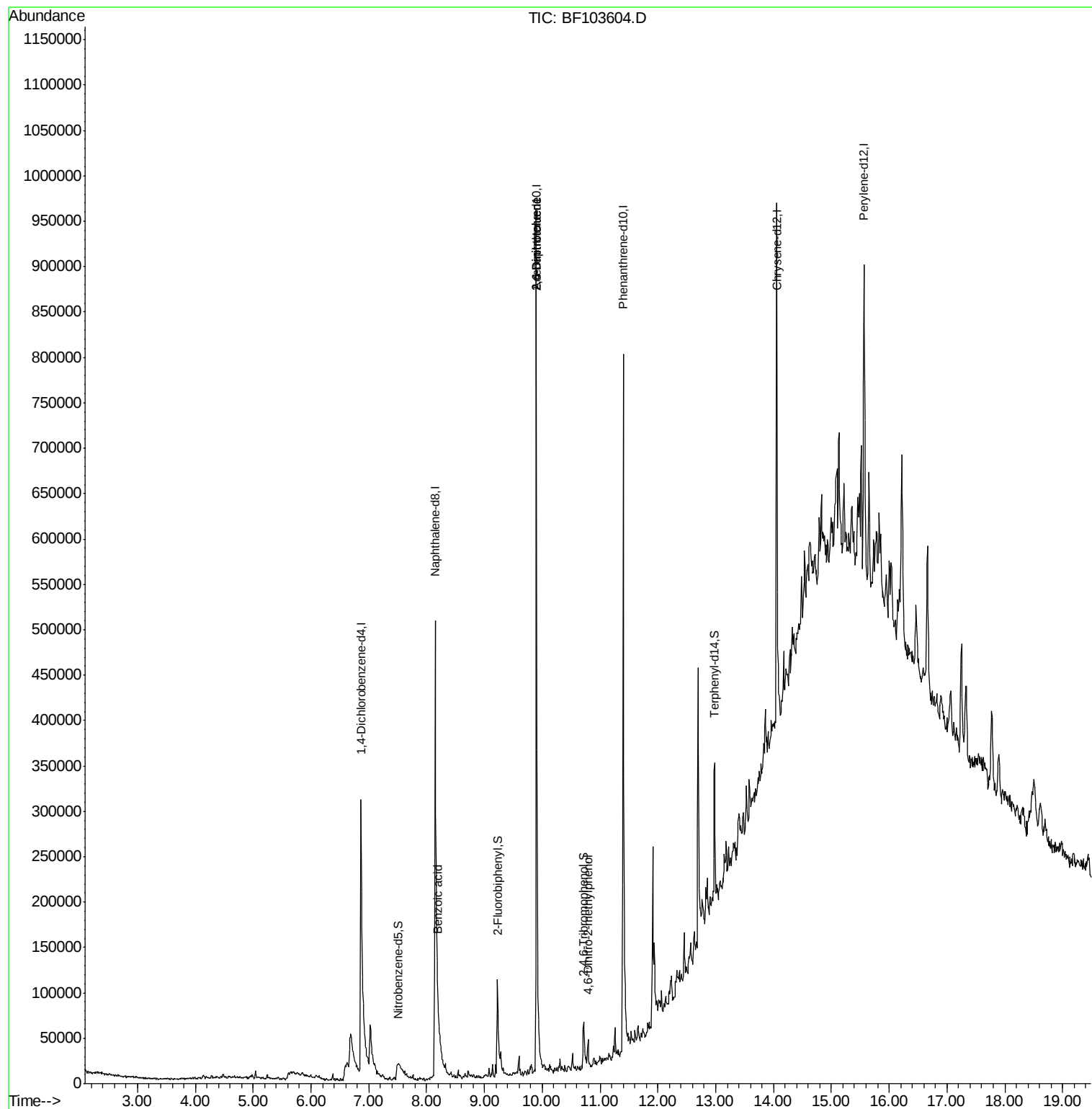
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	122558	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	570857	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	247459	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	419813	20.00	ng	0.00
75) Chrysene-d12	14.06	240	247485	20.00	ng	0.00
86) Perylene-d12	15.57	264	214069	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	7518	0.93	ng	0.16
7) Phenol-d6	6.61	99	13974	1.41	ng	0.10
23) Nitrobenzene-d5	7.50	82	38659	3.87	ng	0.06
41) 2,4,6-Tribromophenol	10.72	330	9103	4.35	ng	0.01
44) 2-Fluorobiphenyl	9.22	172	81233	2.13	ng	0.00
78) Terphenyl-d14	12.98	244	55910	5.43	ng	0.00
Target Compounds						
9) Benzaldehyde	6.69	77	586	Below Cal		Qvalue # 43
32) Benzoic acid	8.19	122	303	6.958	ng	91
50) 2,6-Dinitrotoluene	9.90	165	31600	7.585	ng	# 27
56) 2,4-Dinitrotoluene	9.90	165	31990	6.072	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.80	198	118	4.987	ng	# 14

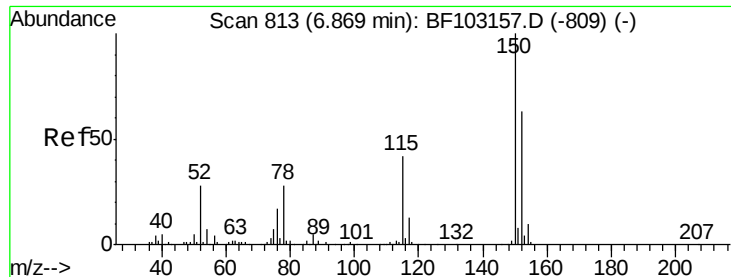
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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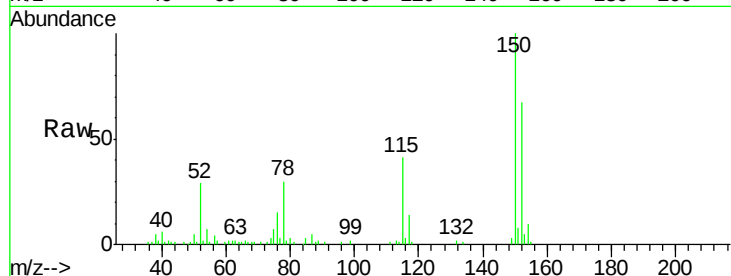


#1

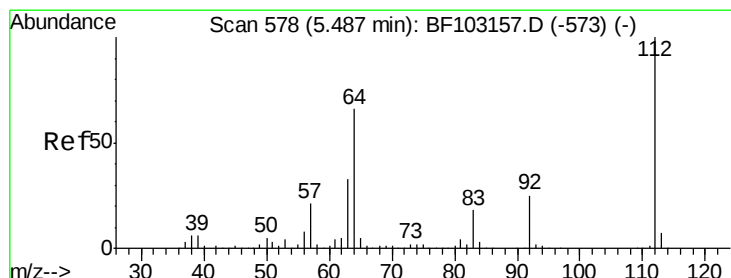
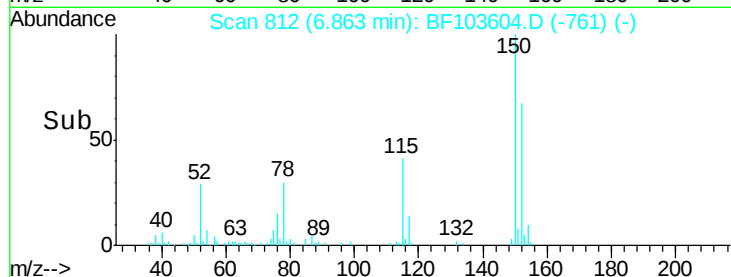
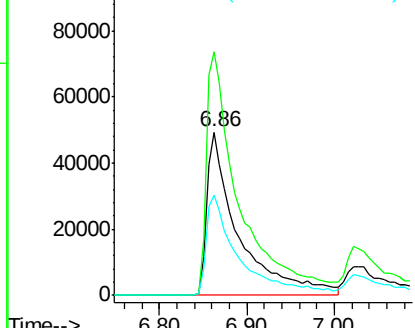
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103604.D
Acq: 13 Mar 2018 15:15

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.9	124.6	186.8
115	61.2	50.1	75.1



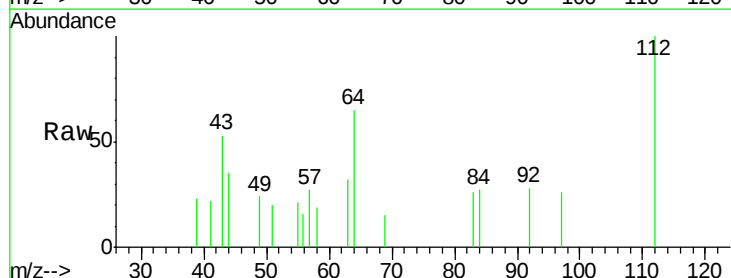
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



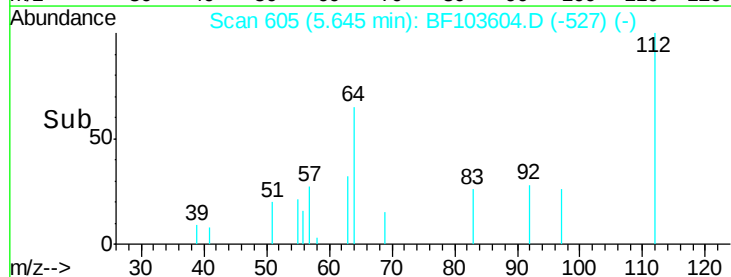
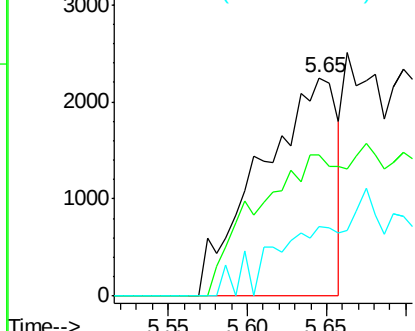
#5

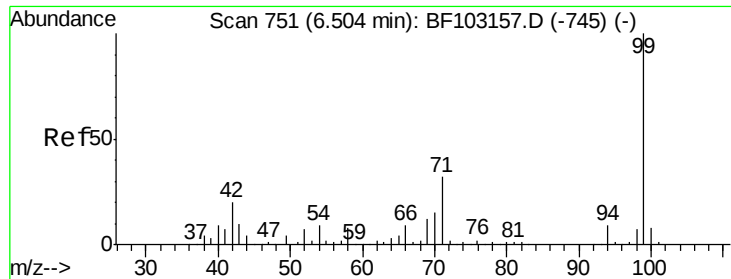
2-Fluorophenol
Concen: 0.928 ng
RT: 5.65 min Scan# 605
Delta R.T. 0.16 min
Lab File: BF103604.D
Acq: 13 Mar 2018 15:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	47.9	71.9
63	32.0	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: 1.409 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.10 min

Lab File: BF103604.D

Acq: 13 Mar 2018 15:15

Instrument :

BNA_F

ClientSampleId :

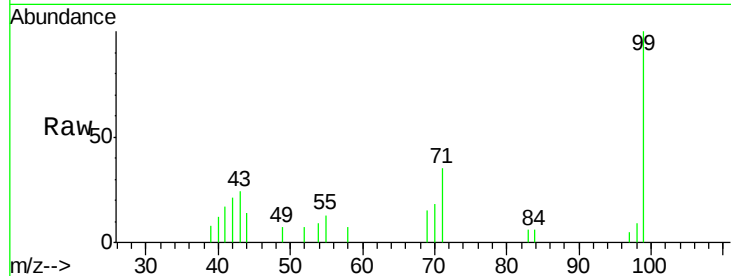
Tot Ion: 99 Resp: 13974

Ion Ratio Lower Upper

99 100

42 20.8 14.5 21.7

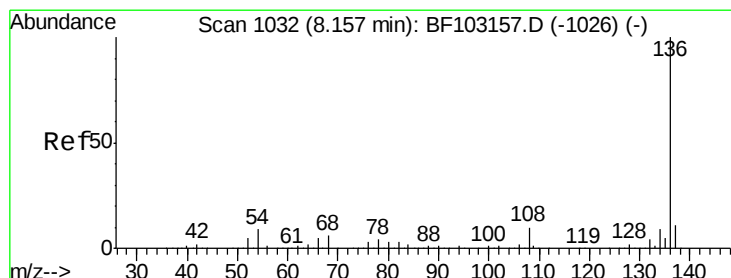
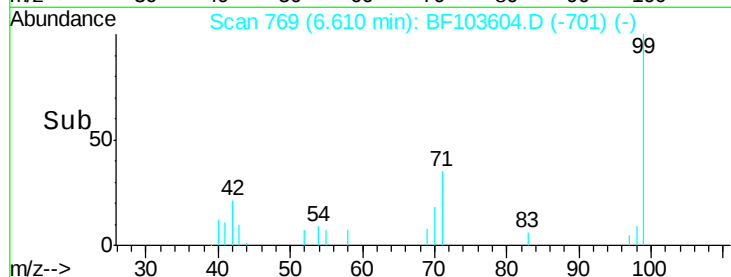
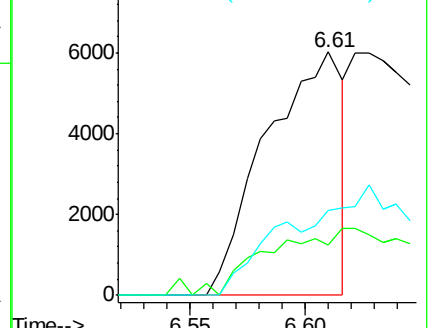
71 34.8 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF103604.D

Acq: 13 Mar 2018 15:15

Tgt Ion: 136 Resp: 570857

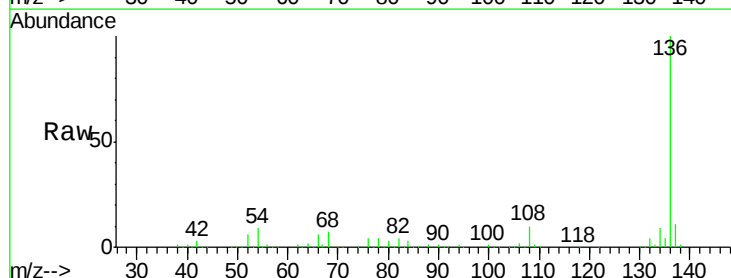
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 9.1 6.6 9.8

68 6.7 5.0 7.4

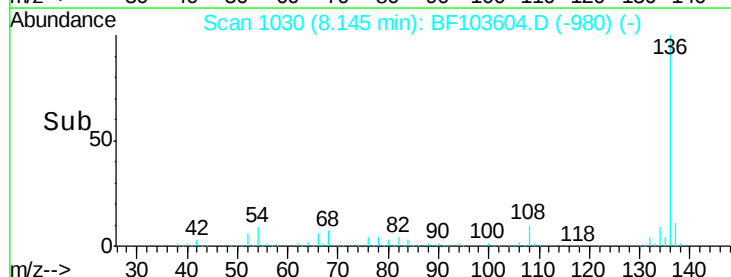
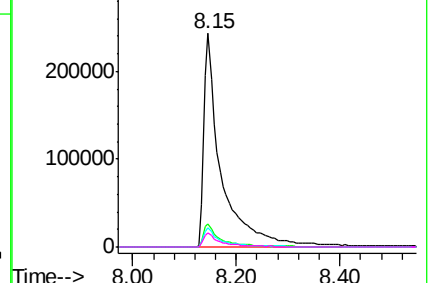


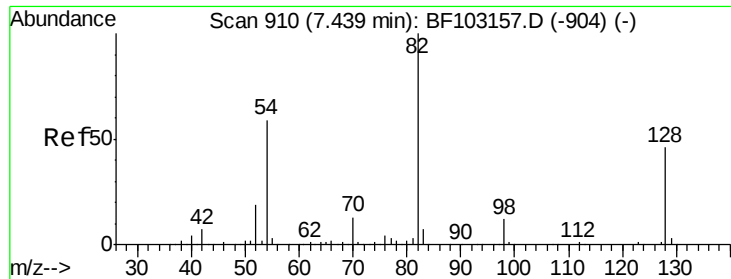
Abundance Ion 136.00 (135.70 to 136.70): E

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

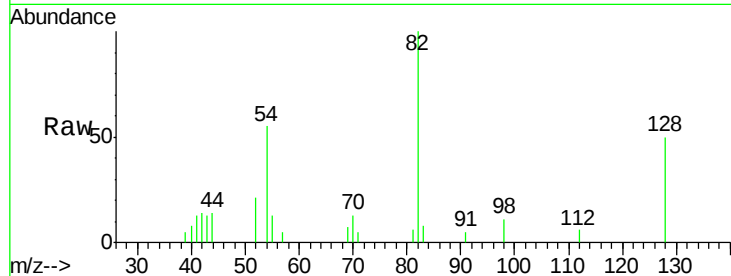




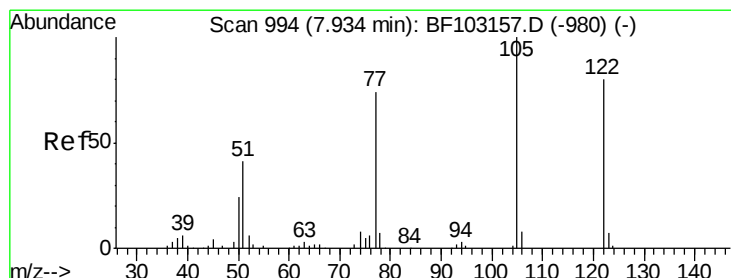
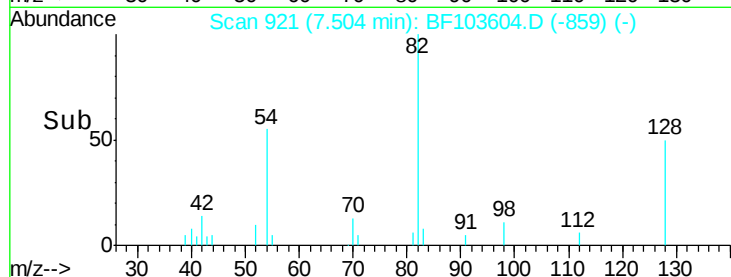
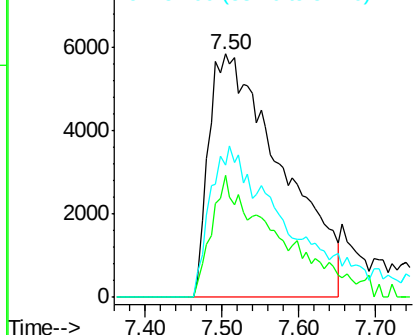
#23
Nitrobenzene-d5
Concen: 3.867 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.06 min
Lab File: BF103604.D
Acq: 13 Mar 2018 15:15

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 38659
Ion Ratio Lower Upper
82 100
128 50.2 36.1 54.1
54 54.6 41.4 62.2

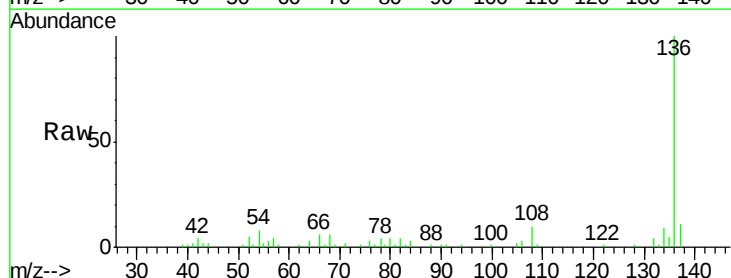


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

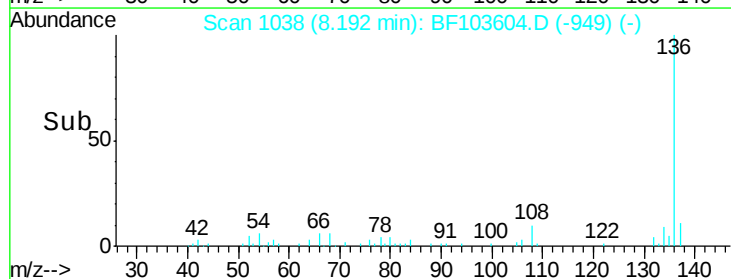
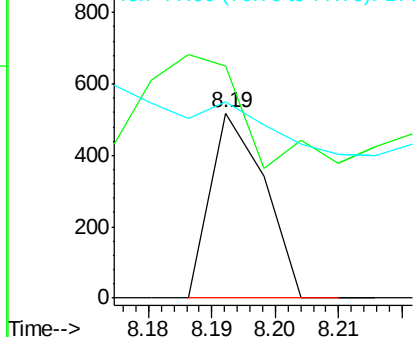


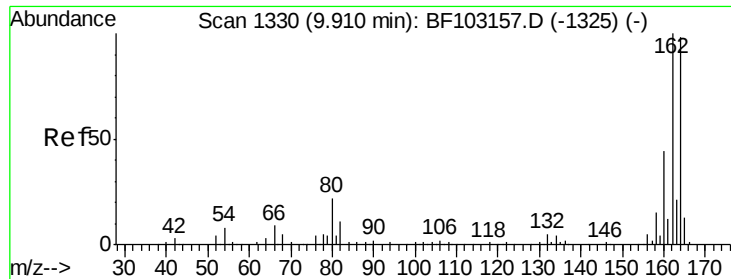
#32
Benzoic acid
Concen: 6.958 ng
RT: 8.19 min Scan# 1038
Delta R.T. 0.22 min
Lab File: BF103604.D
Acq: 13 Mar 2018 15:15

Tgt Ion: 122 Resp: 303
Ion Ratio Lower Upper
122 100
105 125.7 101.1 141.1
77 106.2 70.7 110.7



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

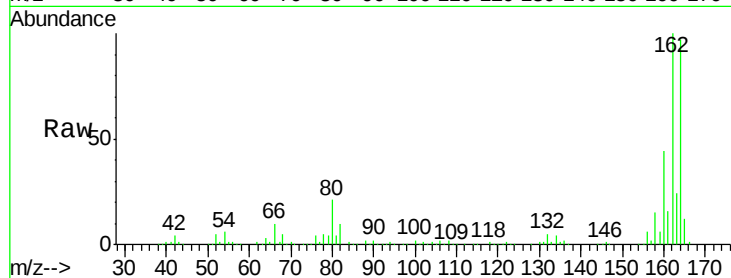




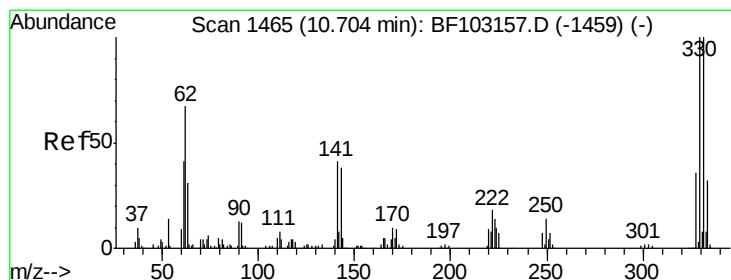
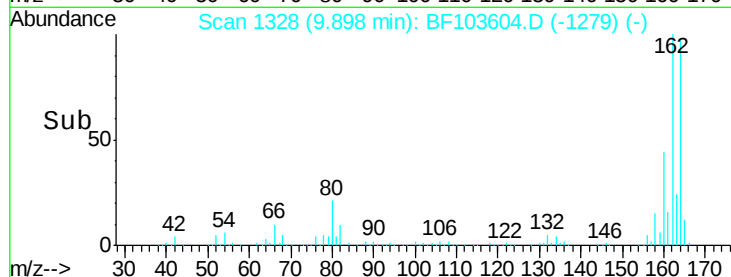
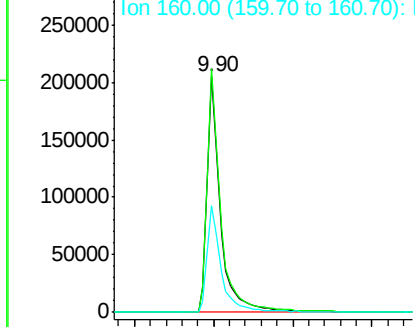
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF103604.D
 Acq: 13 Mar 2018 15:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 247459
 Ion Ratio Lower Upper
 164 100
 162 103.2 86.1 129.1
 160 45.2 38.3 57.5

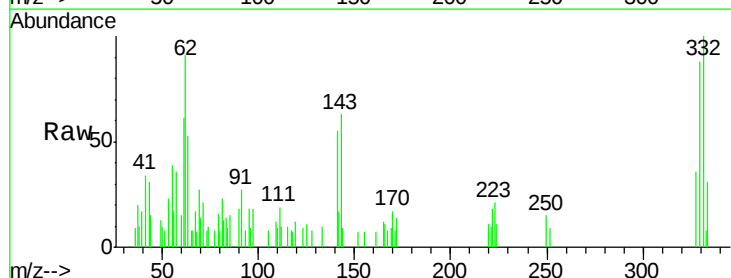


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

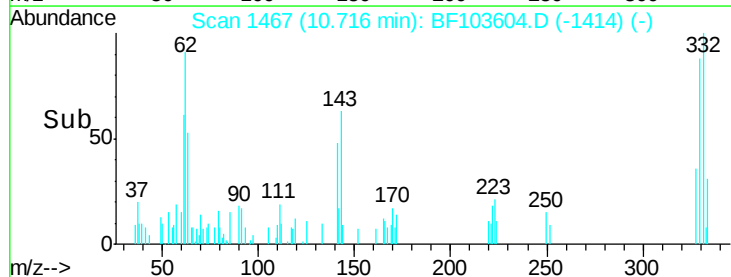
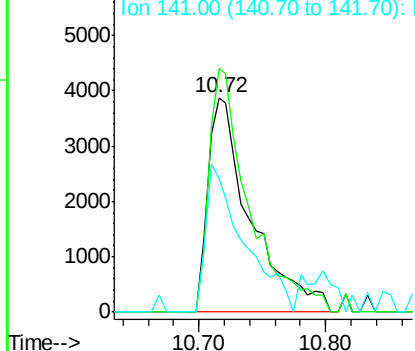


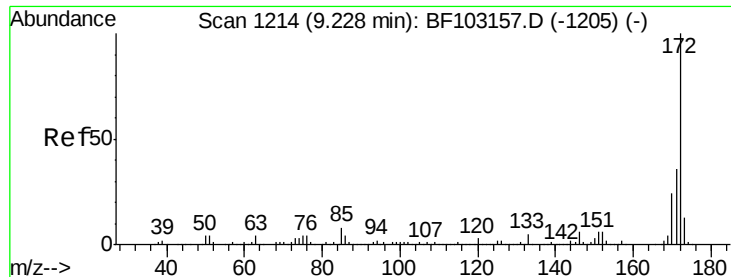
#41
 2,4,6-Tribromophenol
 Concen: 4.346 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF103604.D
 Acq: 13 Mar 2018 15:15

Tgt Ion:330 Resp: 9103
 Ion Ratio Lower Upper
 330 100
 332 106.7 77.0 115.6
 141 61.1 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

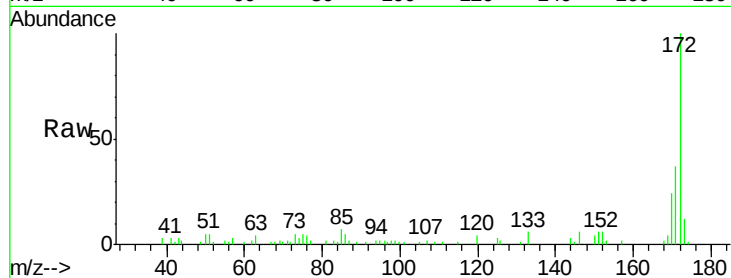




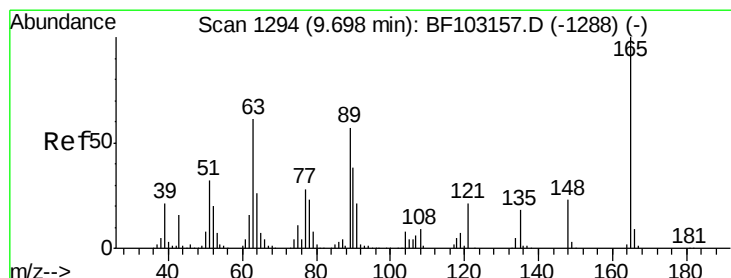
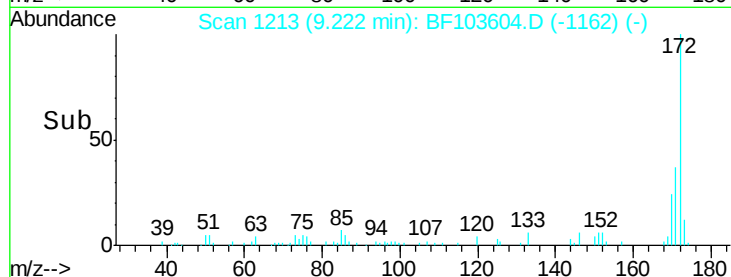
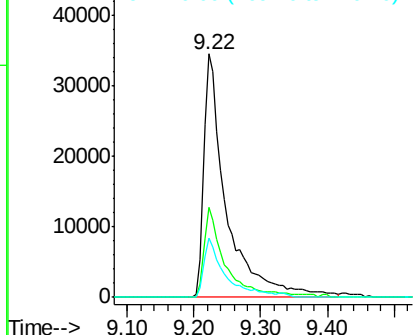
#44
 2-Fluorobiphenyl
 Concen: 2.134 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF103604.D
 Acq: 13 Mar 2018 15:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 81233
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.7 44.5
 170 24.4 19.6 29.4

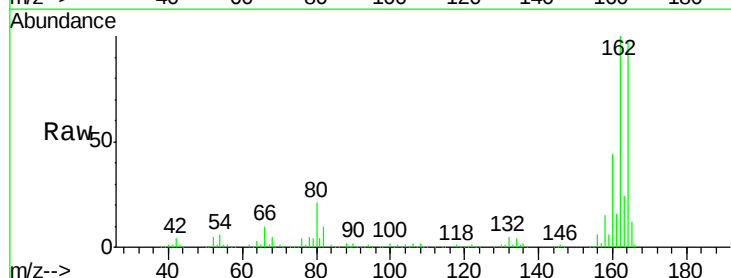


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

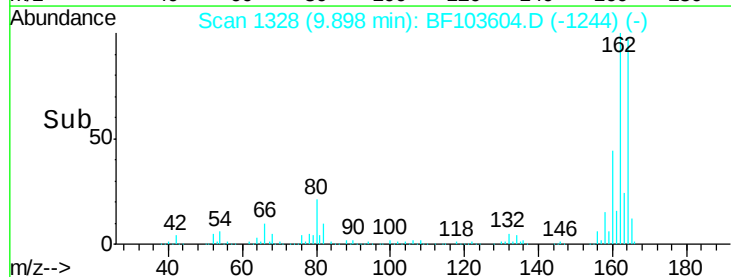
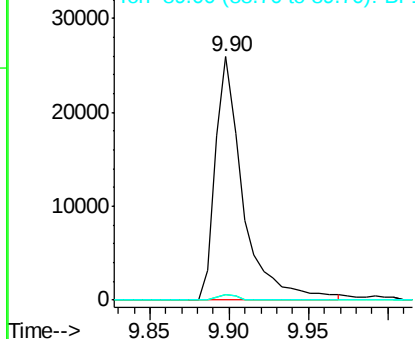


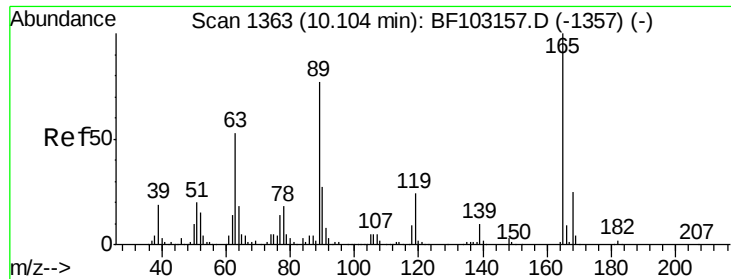
#50
 2,6-Dinitrotoluene
 Concen: 7.585 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.19 min
 Lab File: BF103604.D
 Acq: 13 Mar 2018 15:15

Tgt Ion:165 Resp: 31600
 Ion Ratio Lower Upper
 165 100
 63 2.1 44.7 67.1#
 89 2.1 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

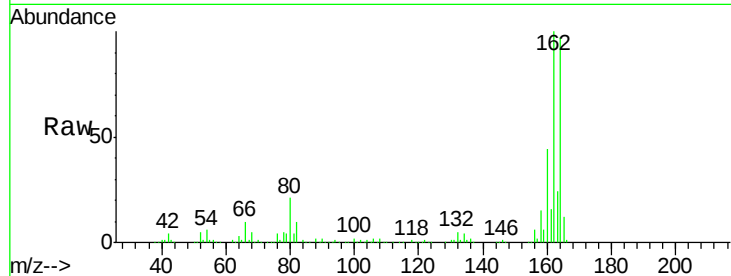




#56
 2,4-Dinitrotoluene
 Concen: 6.072 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.22 min
 Lab File: BF103604.D
 Acq: 13 Mar 2018 15:15

Instrument :
 BNA_F
 ClientSampleId :

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

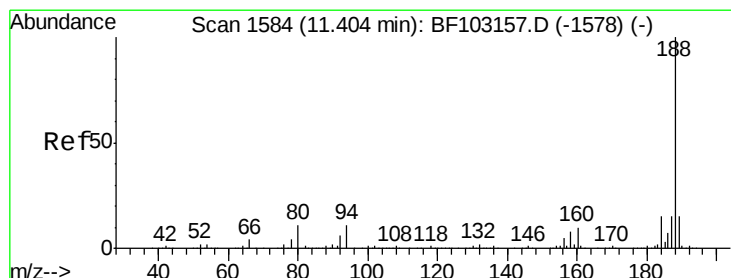
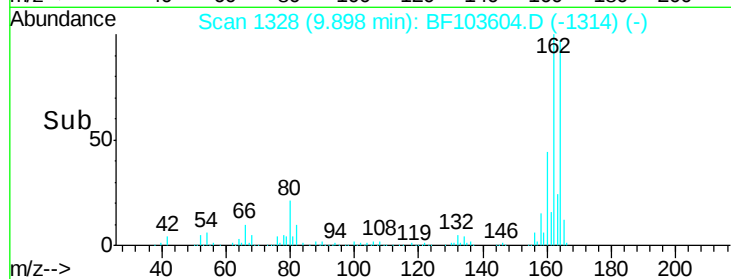
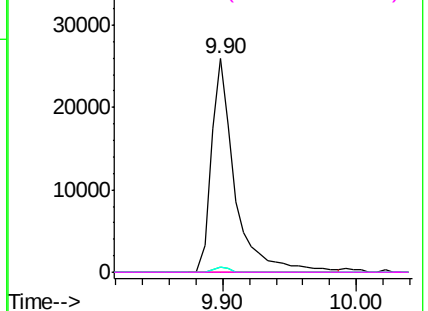


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

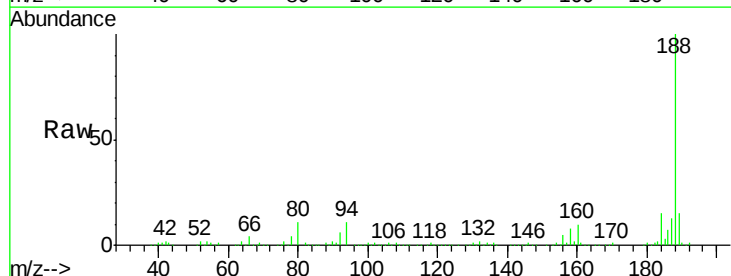
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF103604.D
 Acq: 13 Mar 2018 15:15

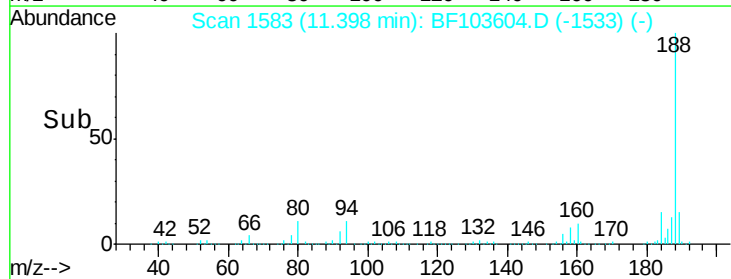
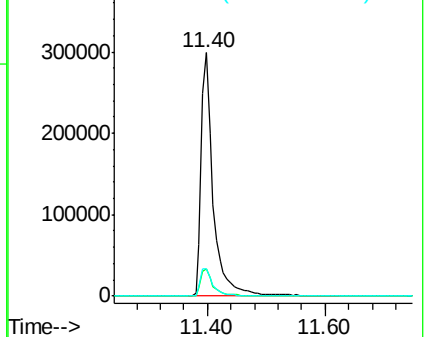
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.5	12.7
80	11.4	9.2	13.8

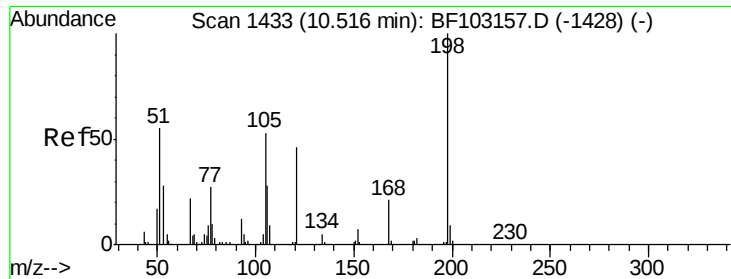


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 4.987 ng

RT: 10.80 min Scan# 1481

Delta R.T. 0.26 min

Lab File: BF103604.D

Acq: 13 Mar 2018 15:15

Instrument :

BNA_F

ClientSampleId :

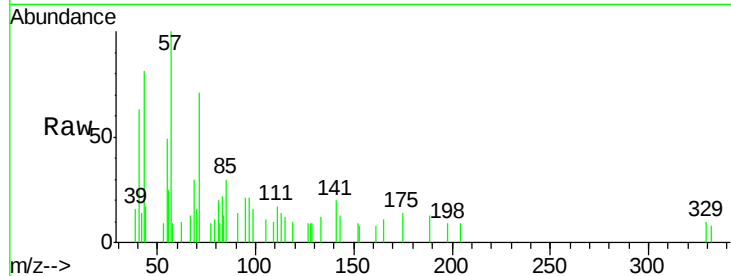
Tot Ion:198 Resp: 118

Ion Ratio Lower Upper

198 100

51 0.0 37.7 77.7#

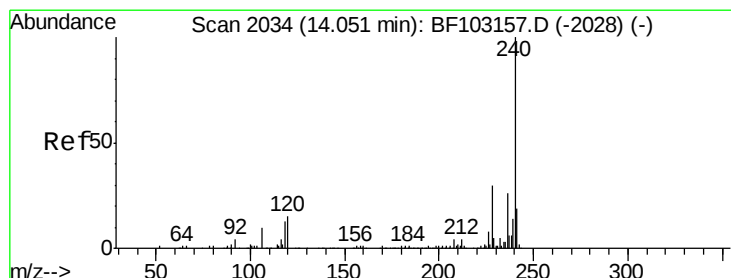
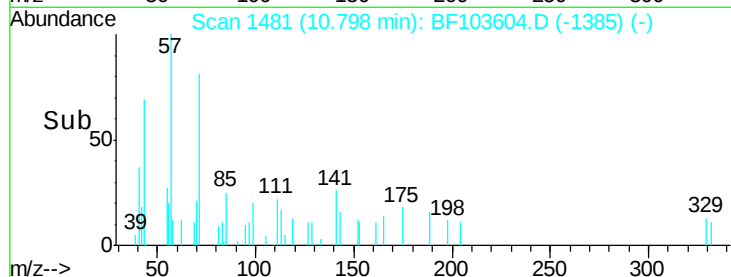
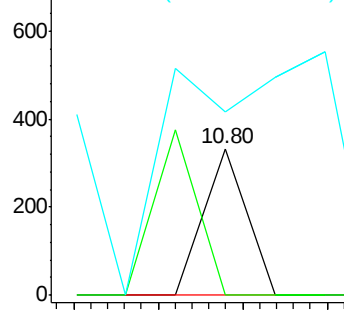
105 124.6 36.3 76.3#



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF103604.D

Acq: 13 Mar 2018 15:15

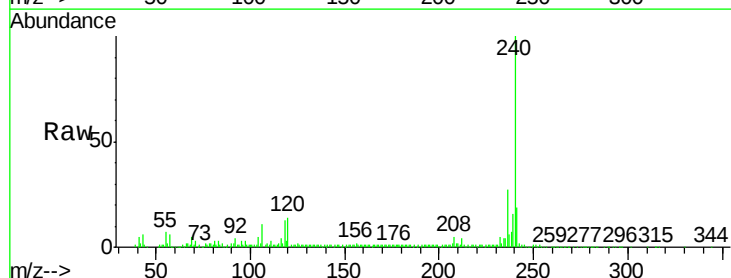
Tgt Ion:240 Resp: 247485

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3

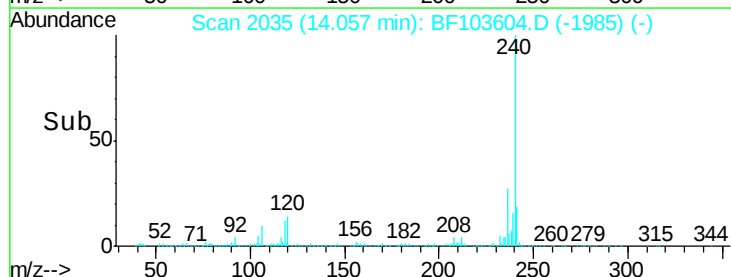
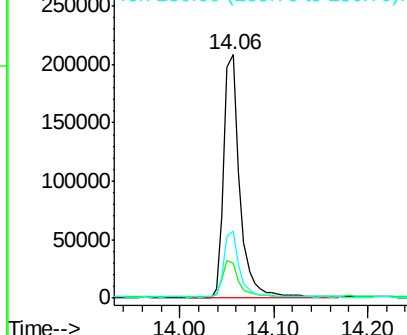
236 27.4 20.7 31.1

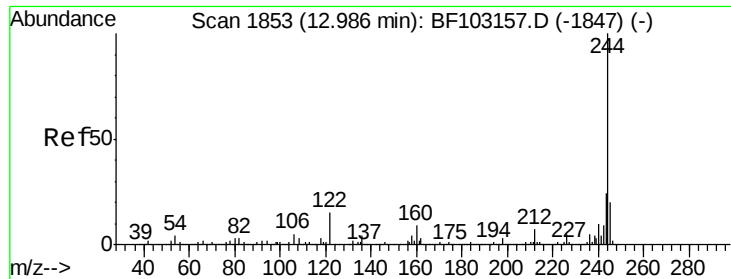


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 5.431 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103604.D

Acq: 13 Mar 2018 15:15

Instrument :

BNA_F

ClientSampleId :

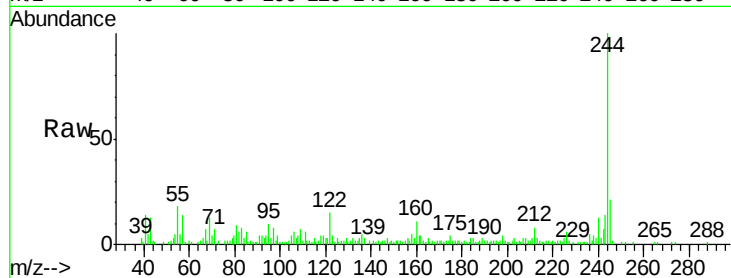
Tot Ion:244 Resp: 55910

Ion Ratio Lower Upper

244 100

212 8.4 5.4 8.0#

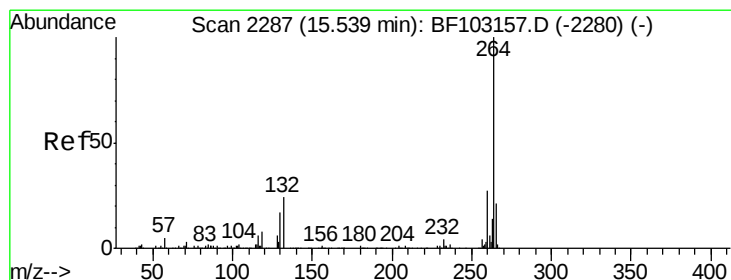
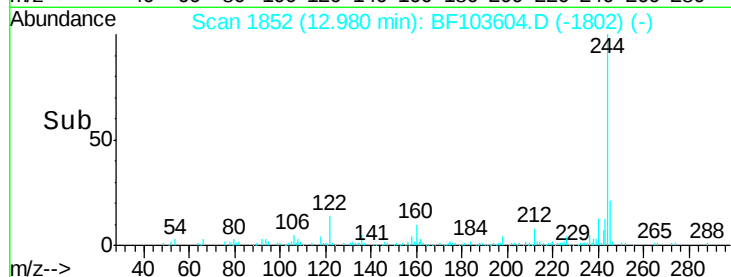
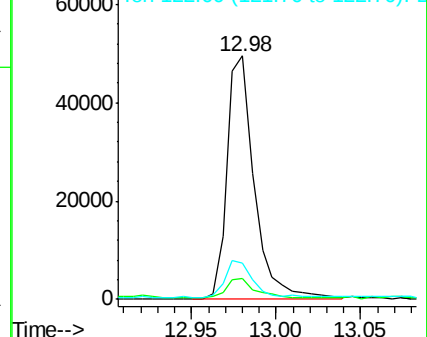
122 15.0 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2292

Delta R.T. 0.00 min

Lab File: BF103604.D

Acq: 13 Mar 2018 15:15

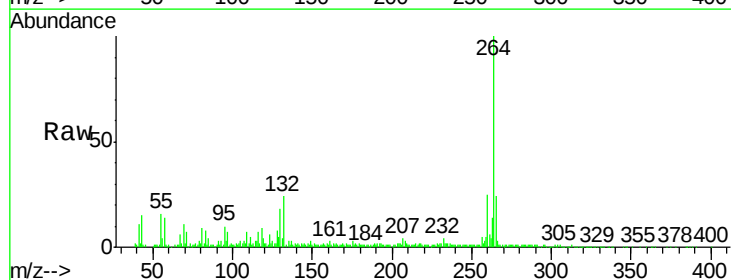
Tgt Ion:264 Resp: 214069

Ion Ratio Lower Upper

264 100

260 25.3 19.2 28.8

265 23.6 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

