

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091517\
 Data File : BF098584.D
 Acq On : 15 Sep 2017 22:26
 Operator : SJ/JU
 Sample : I5229-11 50X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UT5400S21

Quant Time: Sep 16 01:52:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

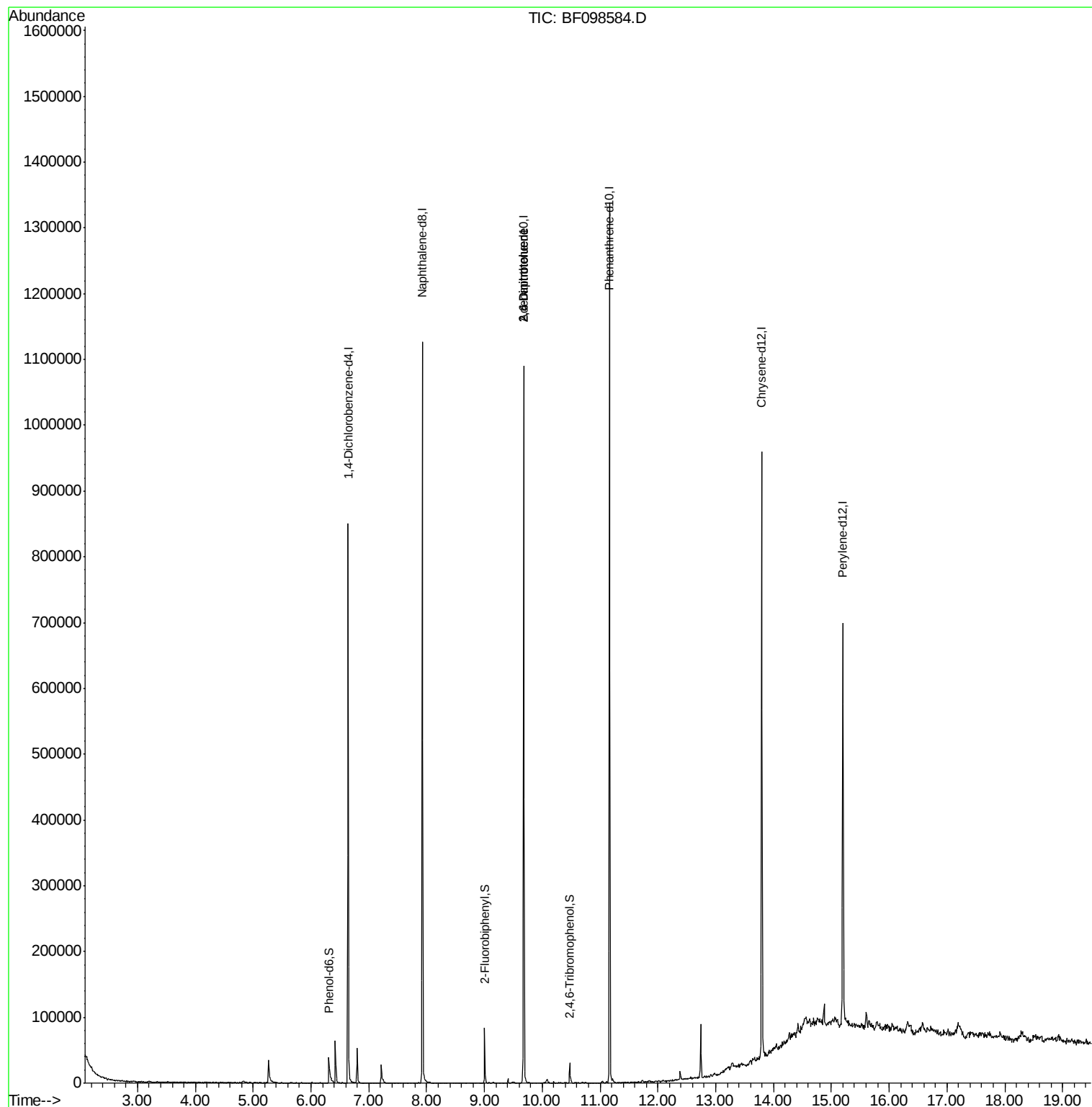
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	123770	20.00	ng	-0.03
21) Naphthalene-d8	7.93	136	476065	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	211274	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	446687	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	276841	20.00	ng	-0.02
86) Perylene-d12	15.20	264	258856	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	16653	1.99	ng	-0.01
7) Phenol-d6	6.31	99	26114	2.46	ng	-0.01
23) Nitrobenzene-d5	7.22	82	14159	1.66	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	4646	3.29	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	27827	2.23	ng	-0.03
78) Terphenyl-d14	12.74	244	23086	1.80	ng	-0.02
Target Compounds						
50) 2,6-Dinitrotoluene	9.68	165	25201	7.502	ng	# 34
56) 2,4-Dinitrotoluene	9.68	165	25201	6.170	ng	# 33

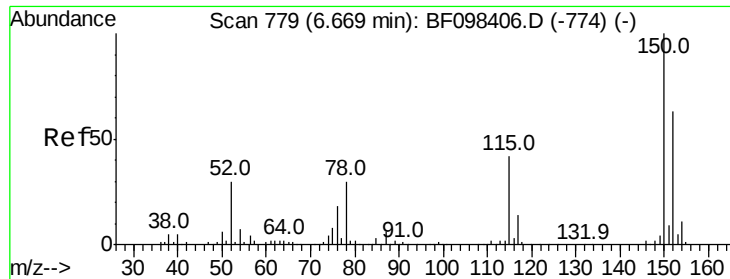
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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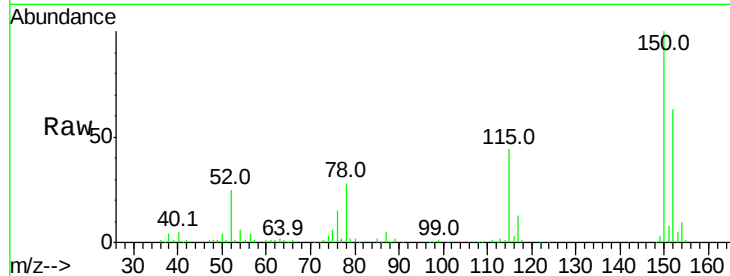


#1

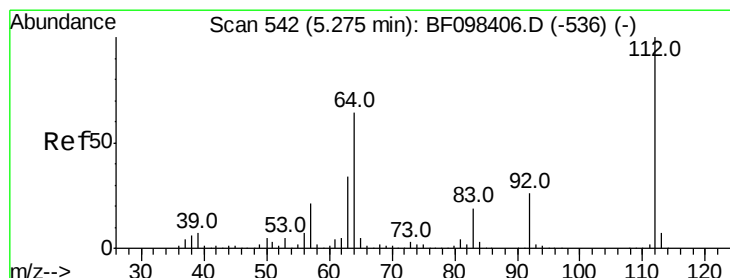
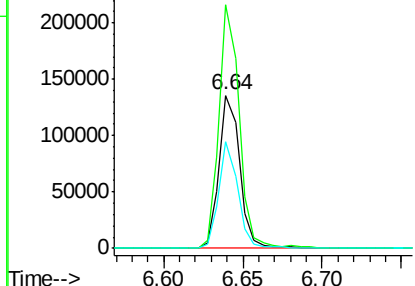
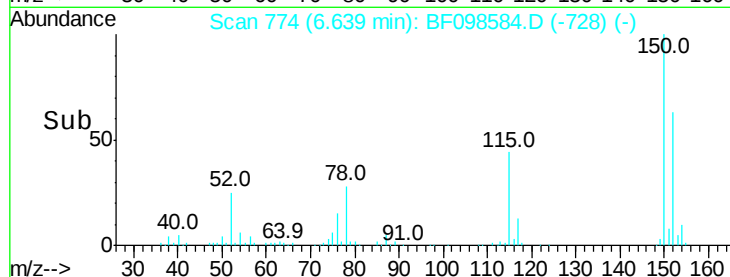
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.64 min Scan# 774
Delta R.T. -0.03 min
Lab File: BF098584.D
Acq: 15 Sep 2017 22:26

Instrument :
BNA_F
ClientSampleId :
UT5400S21

Tot Ion:152 Resp: 123770
Ion Ratio Lower Upper
152 100
150 158.9 126.2 189.2
115 69.7 52.2 78.2



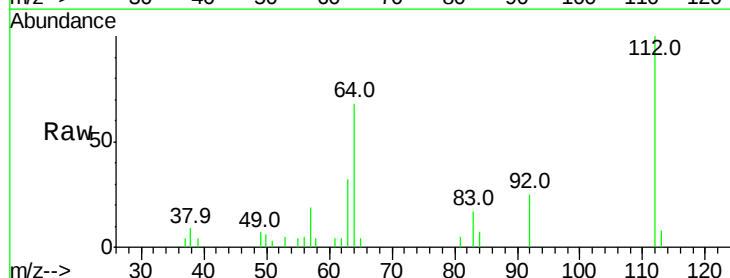
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



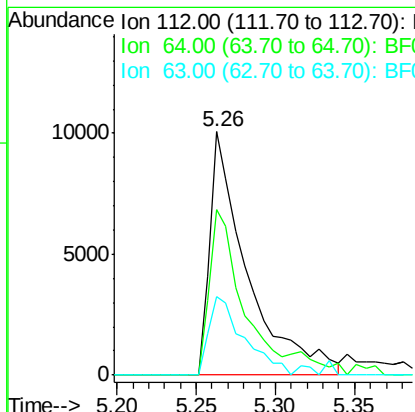
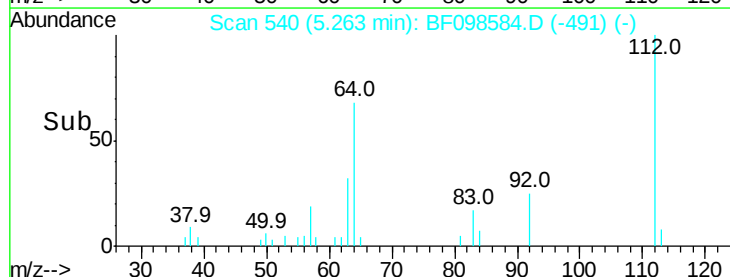
#5

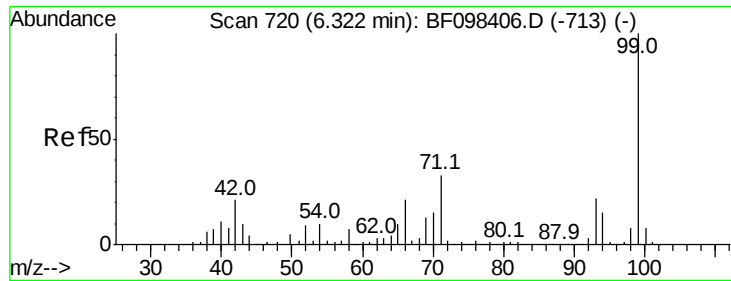
2-Fluorophenol
Concen: 1.989 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF098584.D
Acq: 15 Sep 2017 22:26

Tgt Ion:112 Resp: 16653
Ion Ratio Lower Upper
112 100
64 68.2 46.0 69.0
63 32.1 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 2.457 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF098584.D

Acq: 15 Sep 2017 22:26

Instrument :

BNA_F

ClientSampleId :

UT5400S21

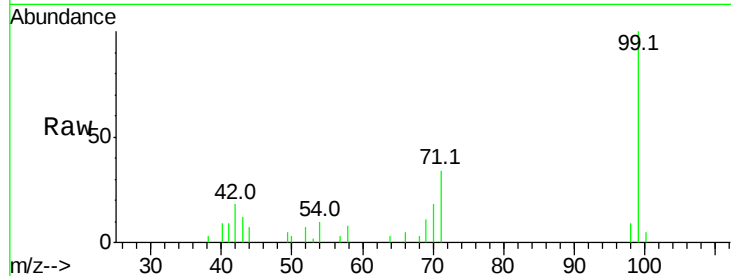
Tot Ion: 99 Resp: 26114

Ion Ratio Lower Upper

99 100

42 18.2 13.5 20.3

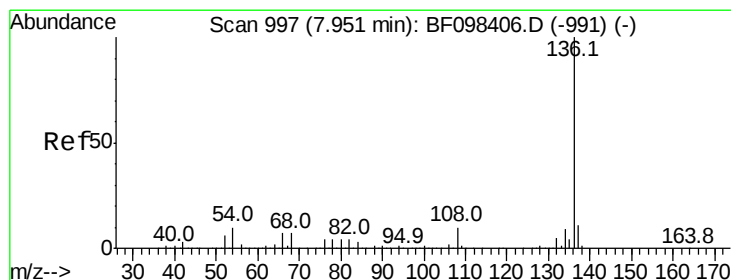
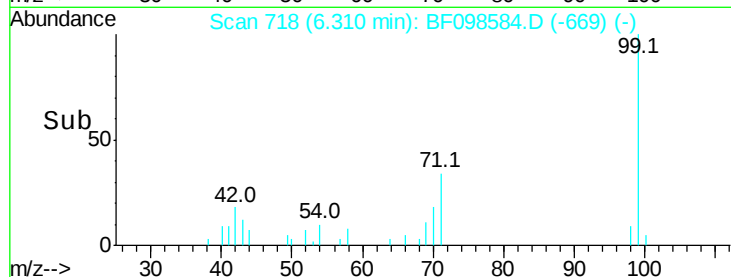
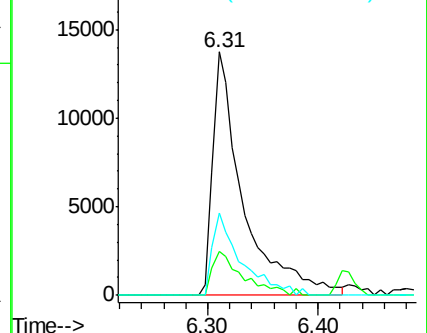
71 33.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.02 min

Lab File: BF098584.D

Acq: 15 Sep 2017 22:26

Tgt Ion: 136 Resp: 476065

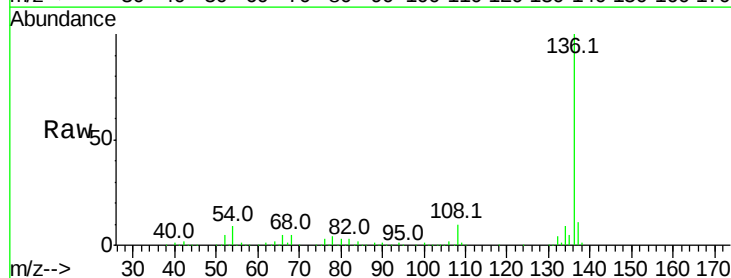
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 9.0 4.9 7.3#

68 5.4 4.1 6.1

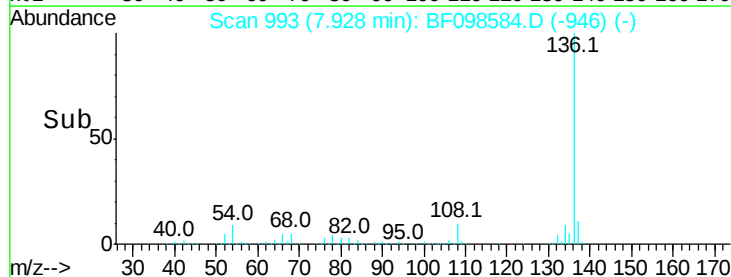
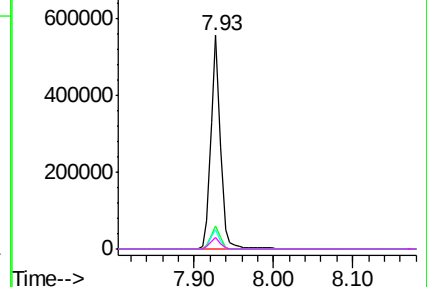


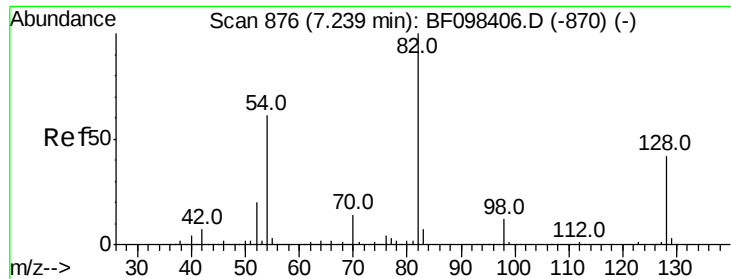
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

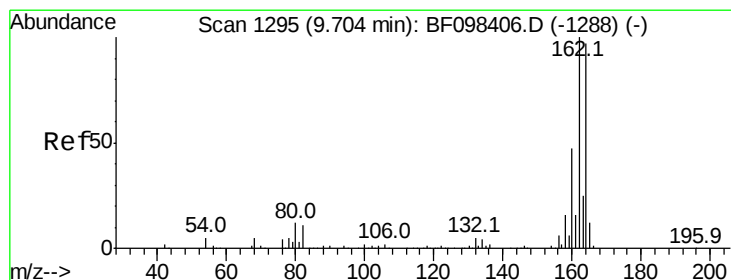
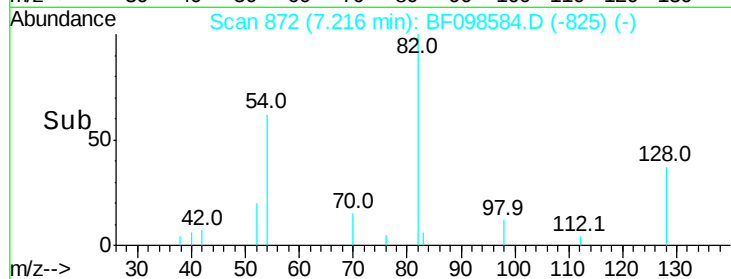
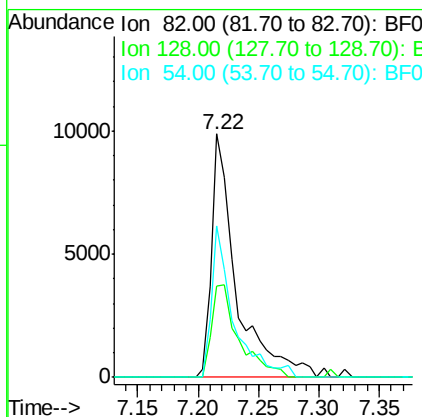
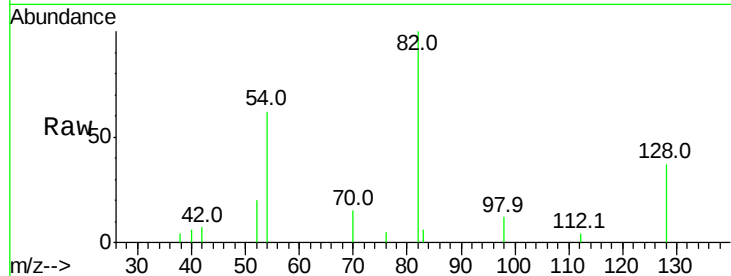




#23
 Nitrobenzene-d5
 Concen: 1.658 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.02 min
 Lab File: BF098584.D
 Acq: 15 Sep 2017 22:26

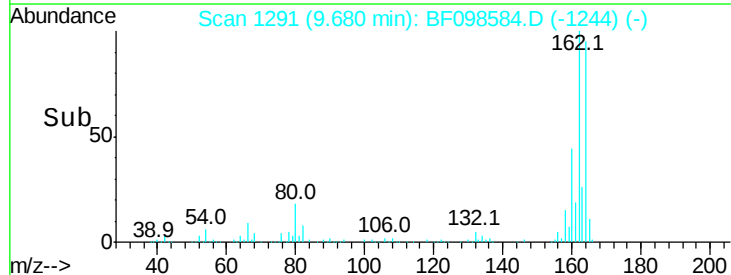
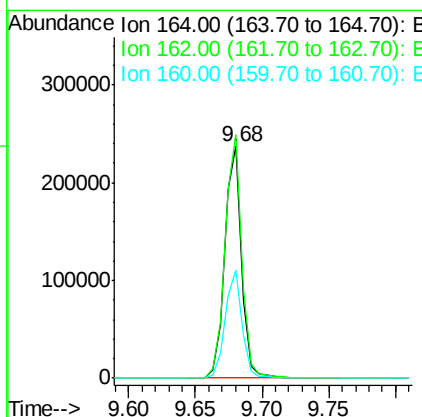
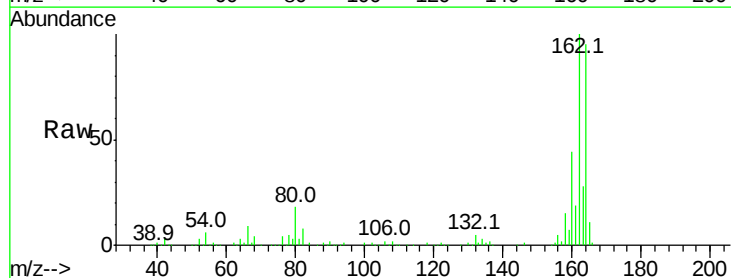
Instrument :
 BNA_F
 ClientSampleId :
 UT5400S21

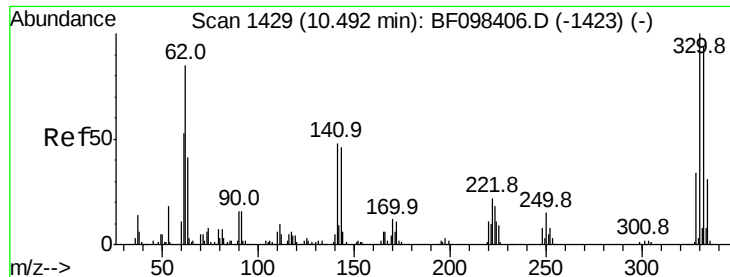
Tot Ion	82	Resp	14159
Ion Ratio	Lower	Upper	
82	100		
128	37.4	34.0	51.0
54	62.1	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF098584.D
 Acq: 15 Sep 2017 22:26

Tgt Ion	164	Resp	211274
Ion Ratio	Lower	Upper	
164	100		
162	105.0	82.6	123.8
160	46.6	36.2	54.2

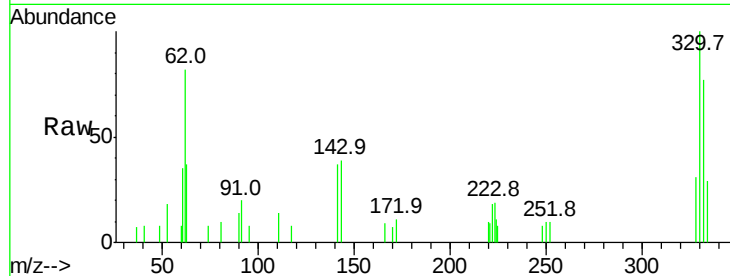




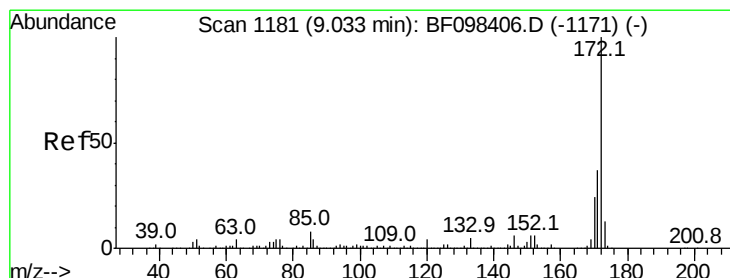
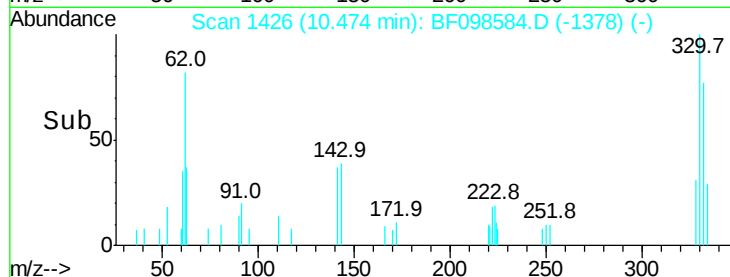
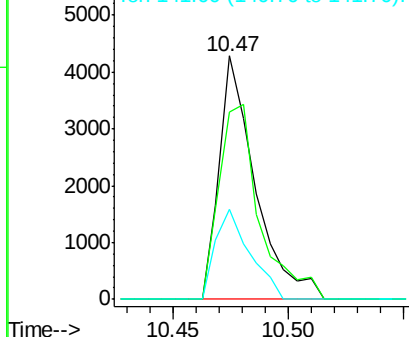
#41
 2,4,6-Tribromophenol
 Concen: 3.295 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098584.D
 Acq: 15 Sep 2017 22:26

Instrument :
 BNA_F
 ClientSampleId :
 UT5400S21

Tot Ion:330 Resp: 4646
 Ion Ratio Lower Upper
 330 100
 332 90.2 76.6 115.0
 141 35.4 31.4 47.2

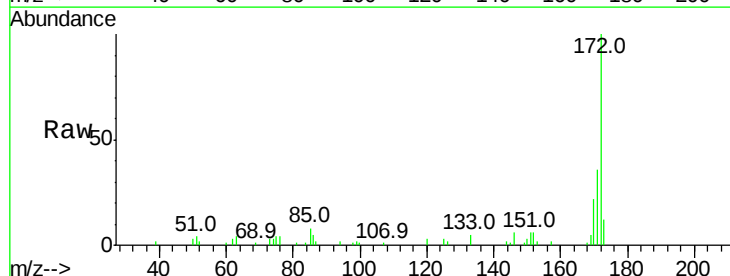


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

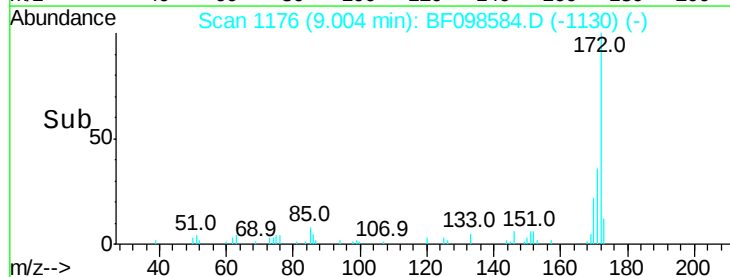
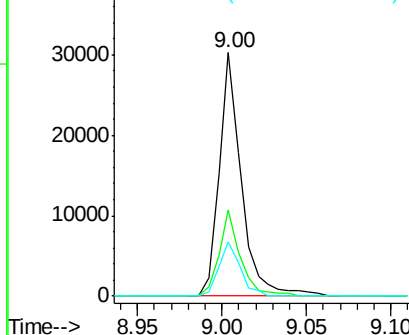


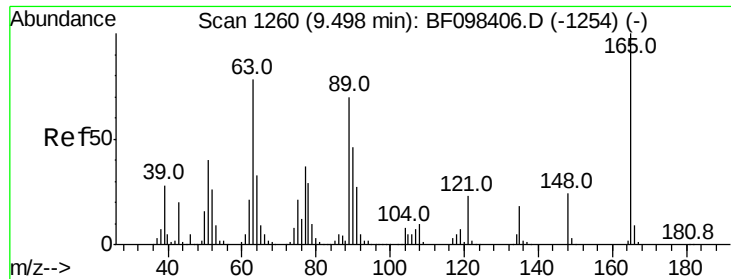
#44
 2-Fluorobiphenyl
 Concen: 2.232 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. -0.03 min
 Lab File: BF098584.D
 Acq: 15 Sep 2017 22:26

Tgt Ion:172 Resp: 27827
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 22.2 19.8 29.8



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: 7.502 ng

RT: 9.68 min Scan# 1291

Delta R.T. 0.18 min

Lab File: BF098584.D

Acq: 15 Sep 2017 22:26

Instrument :

BNA_F

ClientSampleId :

UT5400S21

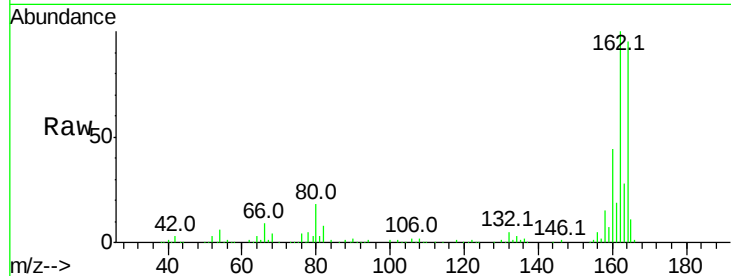
Tot Ion:165 Resp: 25201

Ion Ratio Lower Upper

165 100

63 1.1 34.3 51.5#

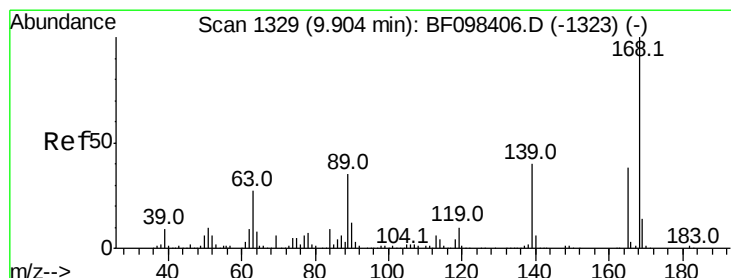
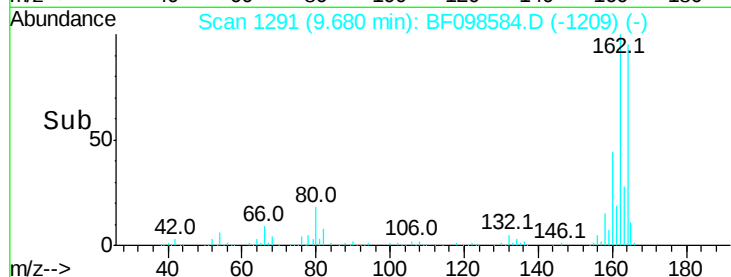
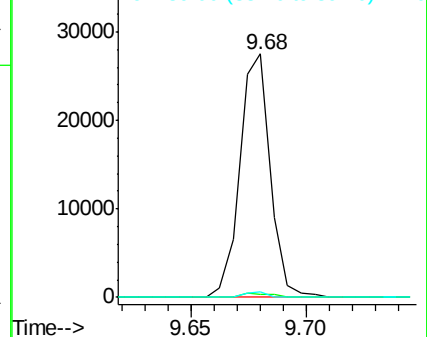
89 2.2 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.170 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.22 min

Lab File: BF098584.D

Acq: 15 Sep 2017 22:26

Tgt Ion:165 Resp: 25201

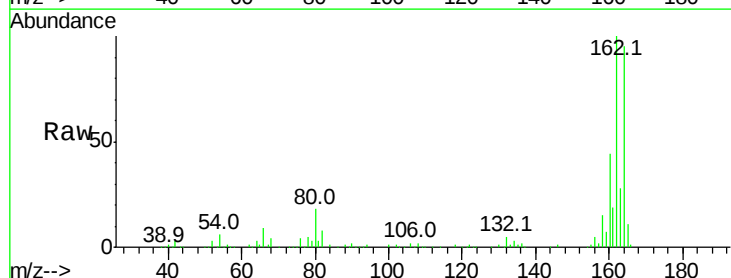
Ion Ratio Lower Upper

165 100

63 1.1 25.4 38.0#

89 2.2 46.4 69.6#

182 0.0 1.8 2.6#

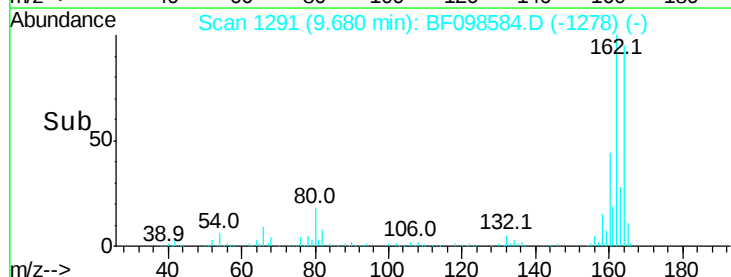
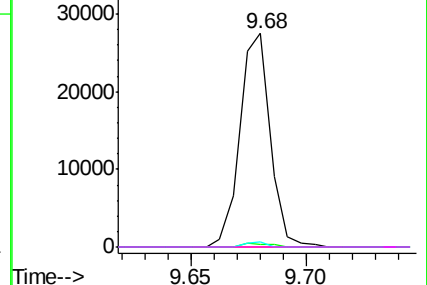


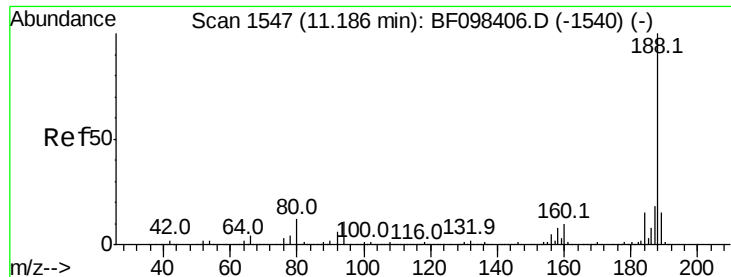
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.16 min Scan# 1543

Delta R.T. -0.02 min

Lab File: BF098584.D

Acq: 15 Sep 2017 22:26

Instrument :

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ClientSampleId :

UT5400S21

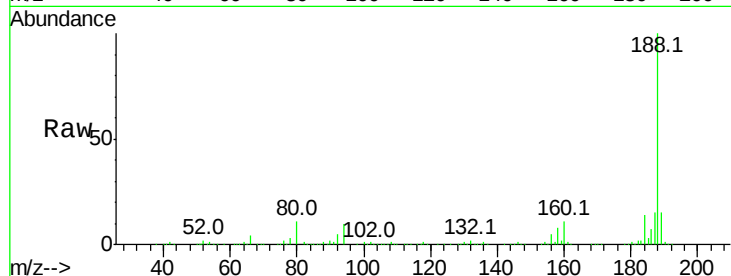
Tot Ion:188 Resp: 446687

Ion Ratio Lower Upper

188 100

94 9.5 9.4 14.2

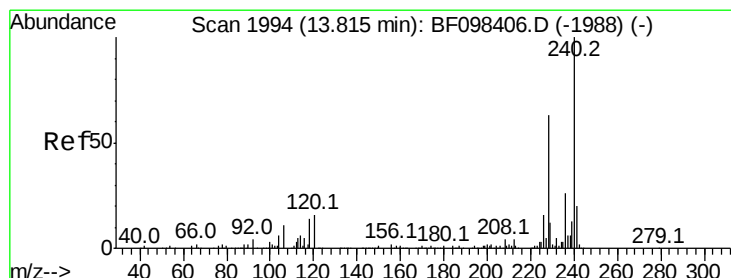
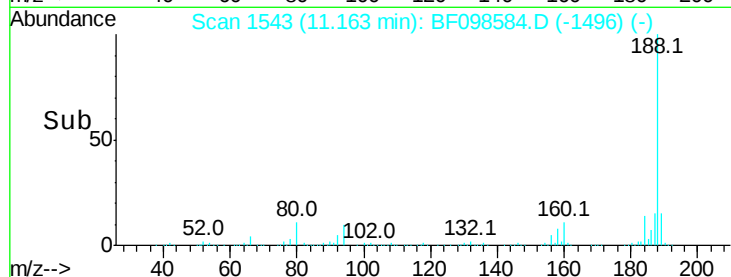
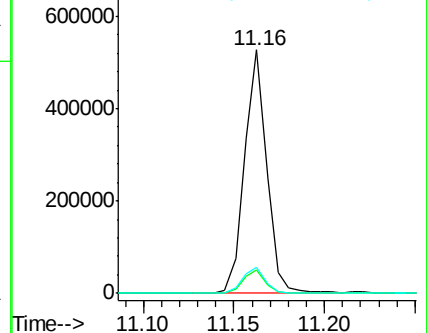
80 10.6 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BF098584.D

Acq: 15 Sep 2017 22:26

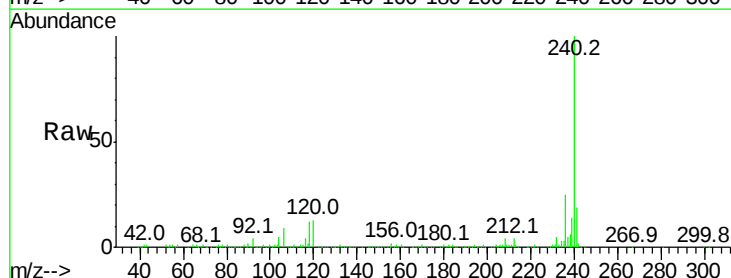
Tgt Ion:240 Resp: 276841

Ion Ratio Lower Upper

240 100

120 12.6 5.8 8.8#

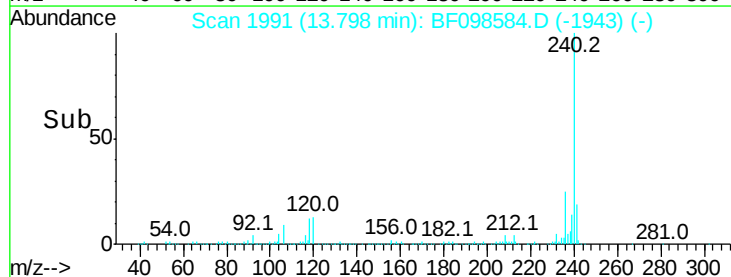
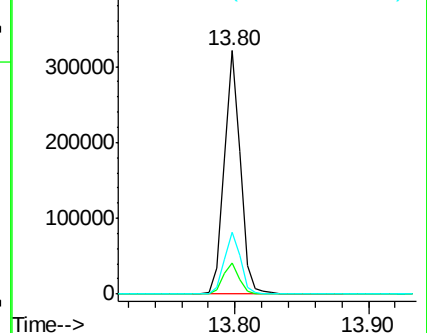
236 25.3 20.5 30.7

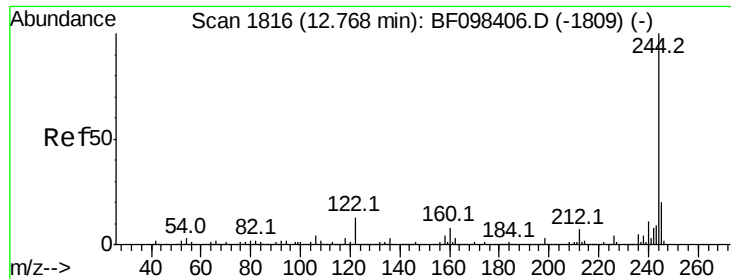


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 1.800 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF098584.D

Acq: 15 Sep 2017 22:26

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UT5400S21

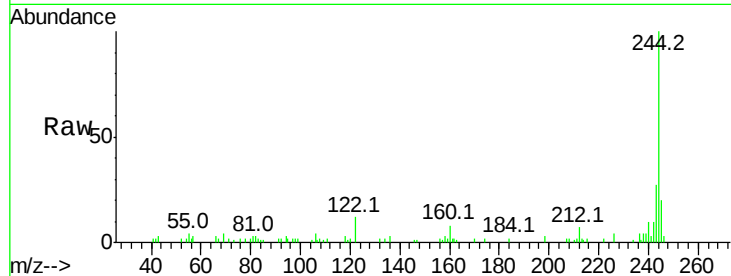
Tot Ion:244 Resp: 23086

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

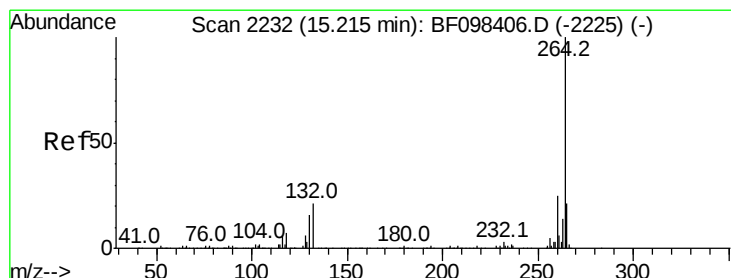
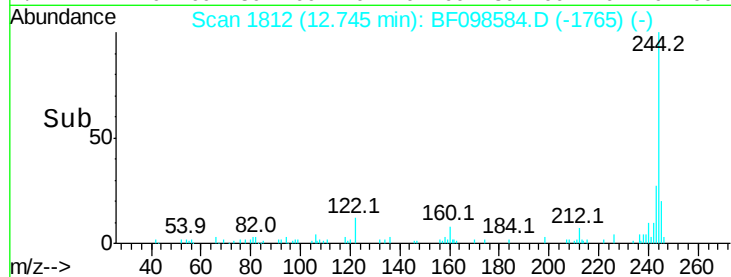
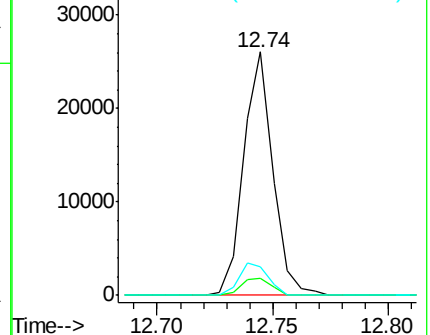
122 11.6 10.3 15.5



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: 15.20 min Scan# 2229

Delta R.T. -0.02 min

Lab File: BF098584.D

Acq: 15 Sep 2017 22:26

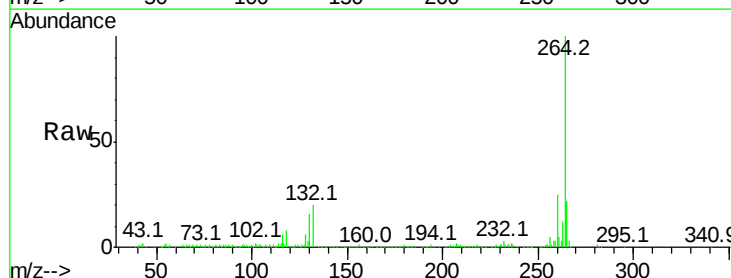
Tgt Ion:264 Resp: 258856

Ion Ratio Lower Upper

264 100

260 25.1 19.5 29.3

265 22.5 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

