

Data Path : U:\HPCHEM1\BNA F\DATA\BF012718\
 Data File : BF102544.D
 Acq On : 28 Jan 2018 7:29
 Operator : SJ/JU
 Sample : PB106042BL
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 28 23:55:19 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

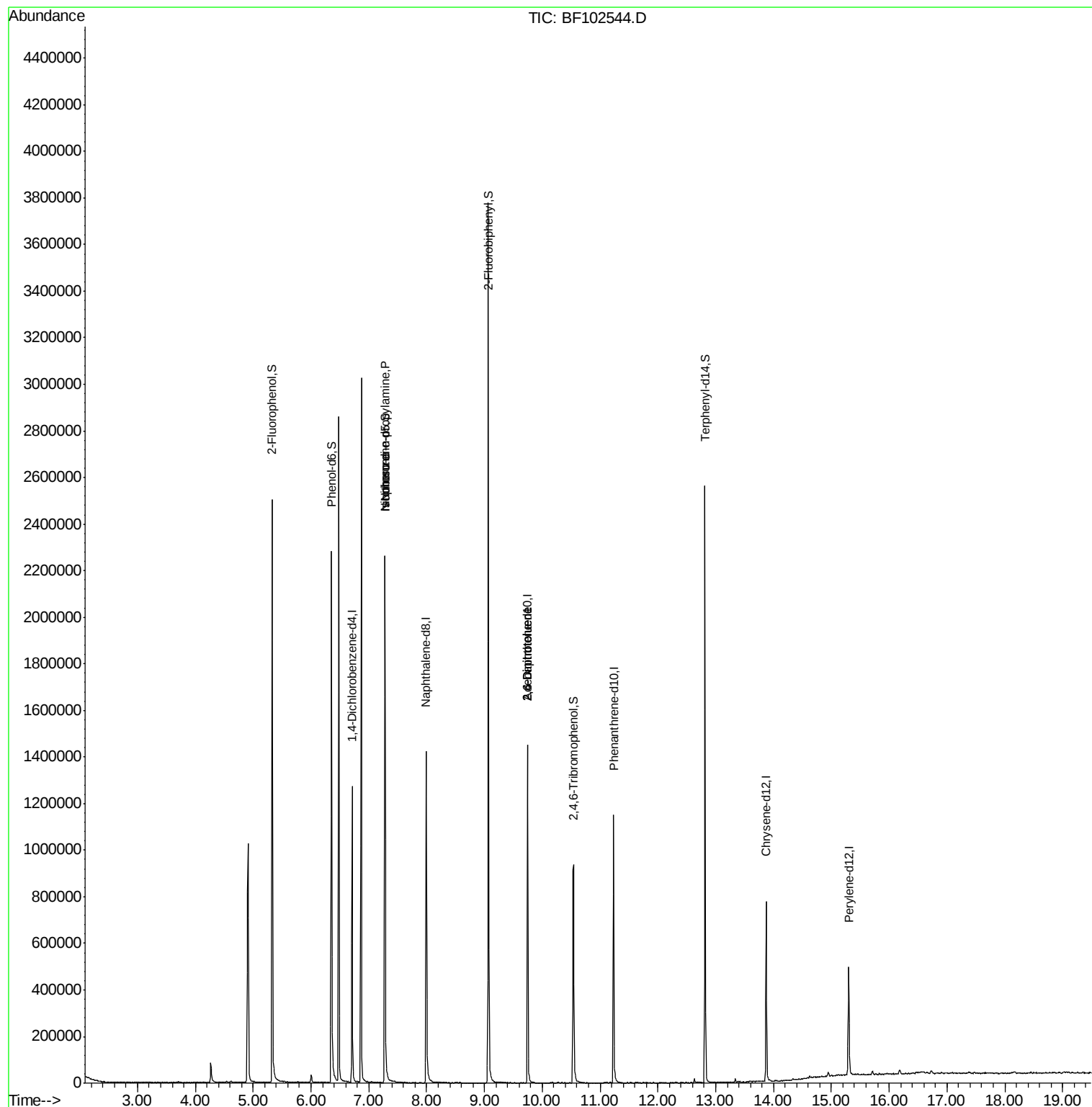
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	182099	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	730694	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	292668	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	421593	20.00	ng	0.00
75) Chrysene-d12	13.87	240	305407	20.00	ng	0.00
86) Perylene-d12	15.30	264	214030	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	734546	61.16	ng	0.00
7) Phenol-d6	6.35	99	885363	61.15	ng	-0.01
23) Nitrobenzene-d5	7.28	82	786189	61.83	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	120729	41.63	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1291679	64.89	ng	0.00
78) Terphenyl-d14	12.82	244	785147	57.96	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	100474	11.339	ng	# 79
25) Isophorone	7.28	82	786185	34.683	ng	# 64
50) 2,6-Dinitrotoluene	9.75	165	36216	6.944	ng	# 25
56) 2,4-Dinitrotoluene	9.75	165	36216	5.647	ng	# 23

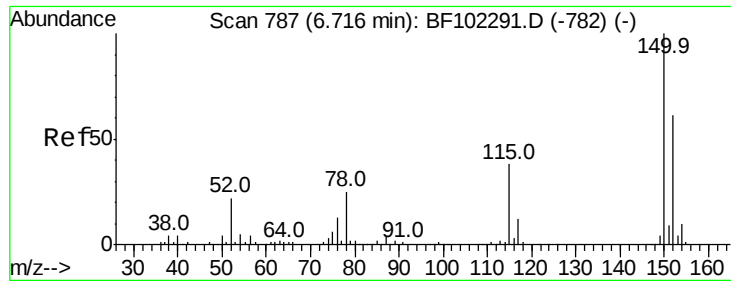
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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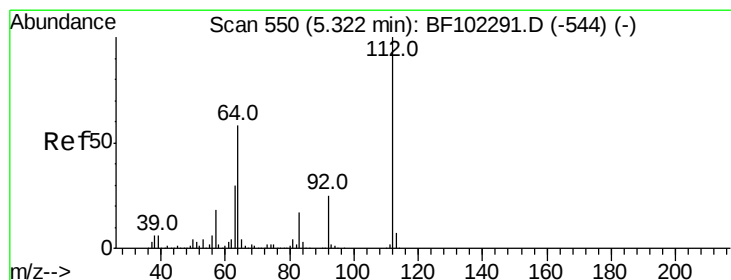
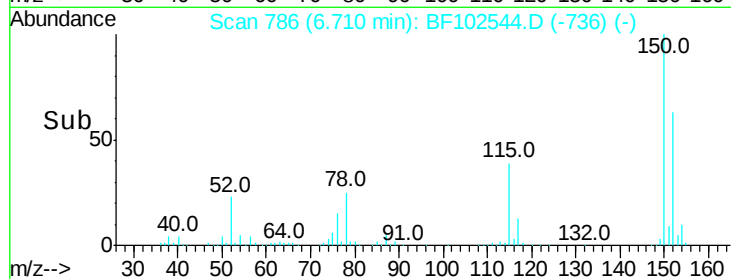
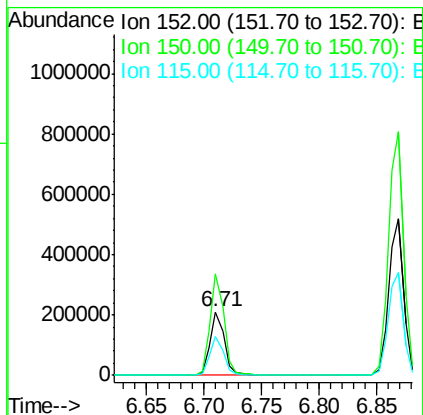
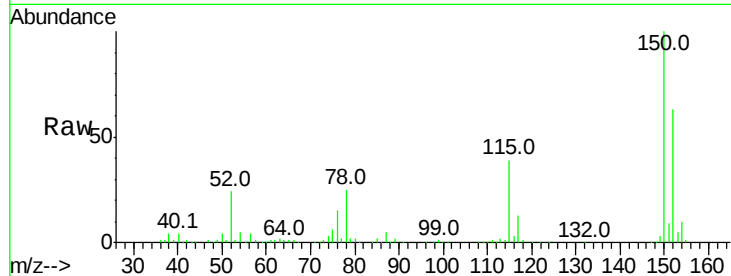


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF102544.D
 Acq: 28 Jan 2018 7:29

Instrument :
 BNA_F
 ClientSampleId :

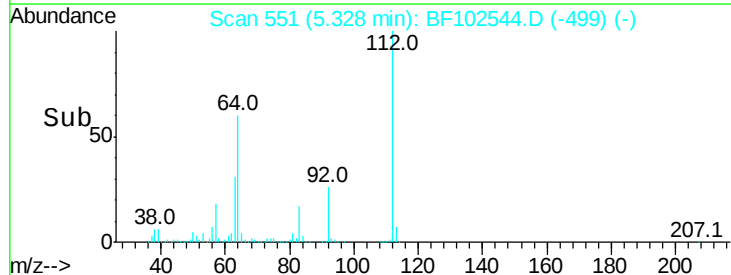
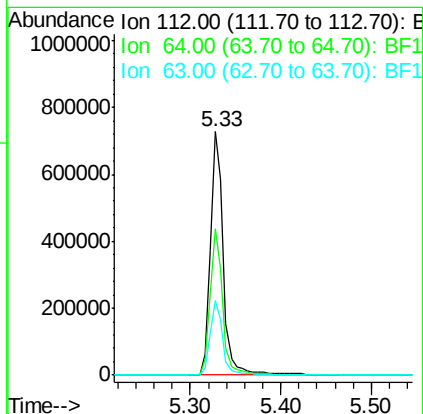
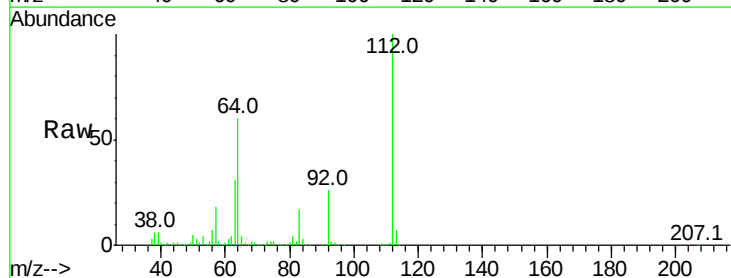
Tot Ion:152 Resp: 182099
 Ion Ratio Lower Upper
 152 100
 150 159.7 124.6 186.8
 115 61.9 50.1 75.1

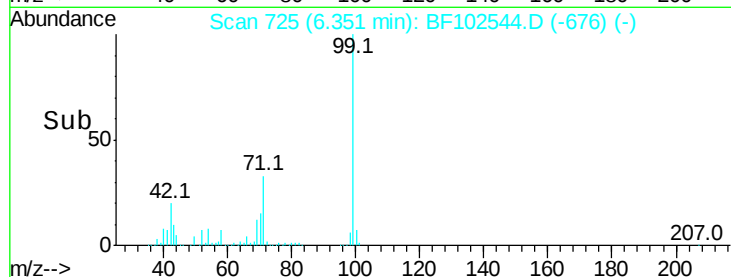
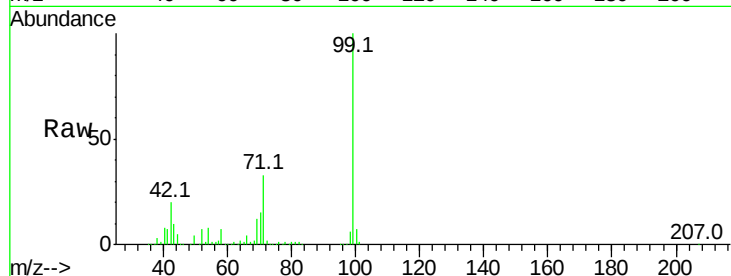
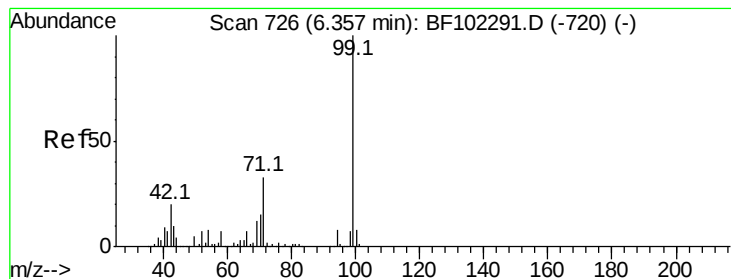


#5

2-Fluorophenol
 Concen: 61.162 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF102544.D
 Acq: 28 Jan 2018 7:29

Tgt Ion:112 Resp: 734546
 Ion Ratio Lower Upper
 112 100
 64 60.0 47.9 71.9
 63 30.6 23.7 35.5





#7

Phenol-d6

Concen: 61.149 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102544.D

Acq: 28 Jan 2018 7:29

Instrument :

BNA_F

ClientSampled :

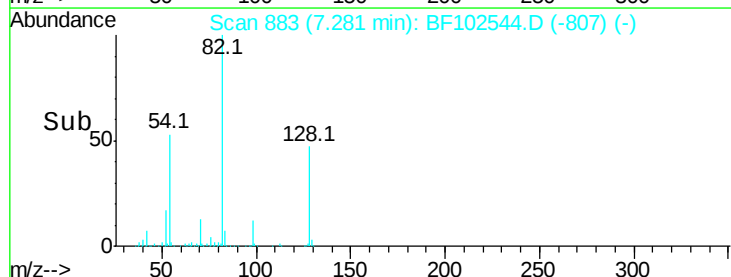
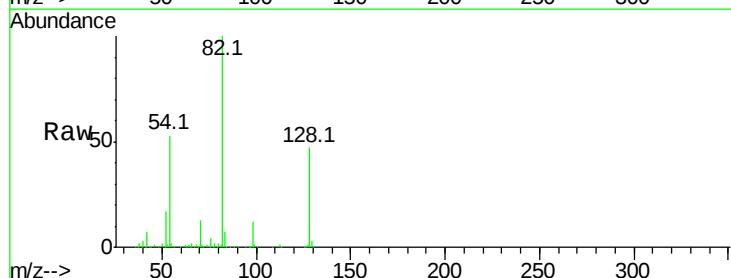
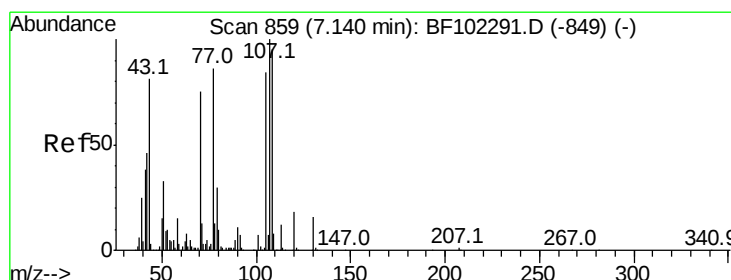
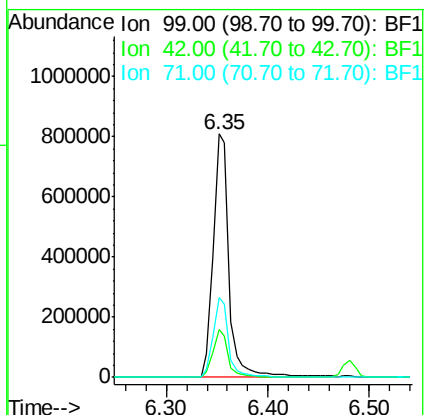
Tot Ion: 99 Resp: 885363

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

71 33.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.339 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF102544.D

Acq: 28 Jan 2018 7:29

Tgt Ion: 70 Resp: 100474

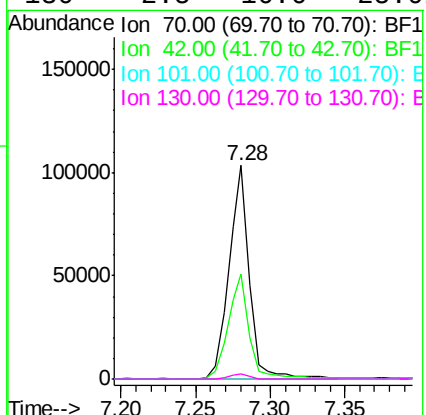
Ion Ratio Lower Upper

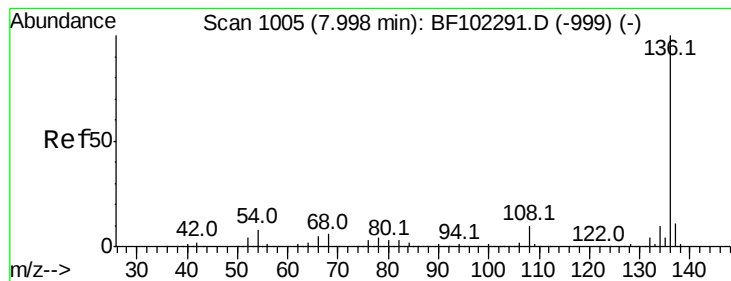
70 100

42 49.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF102544.D

Acq: 28 Jan 2018 7:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 730694

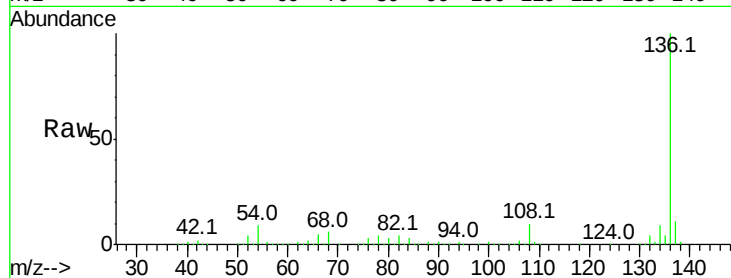
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 8.9 6.6 9.8

68 6.4 5.0 7.4

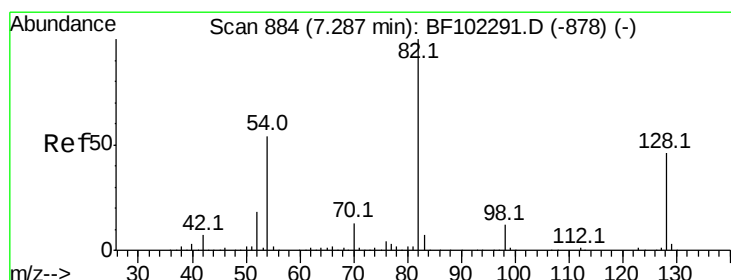
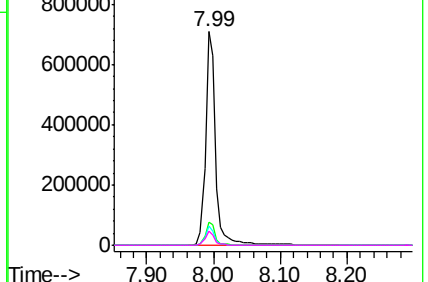
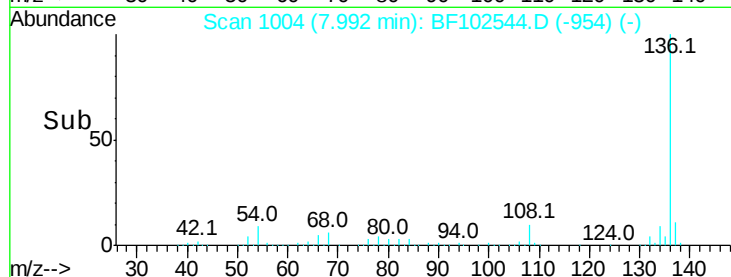


Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.831 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102544.D

Acq: 28 Jan 2018 7:29

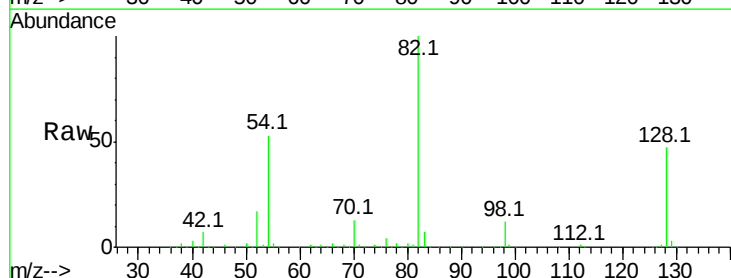
Tgt Ion: 82 Resp: 786189

Ion Ratio Lower Upper

82 100

128 47.0 36.1 54.1

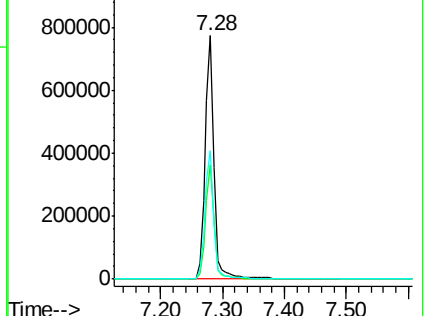
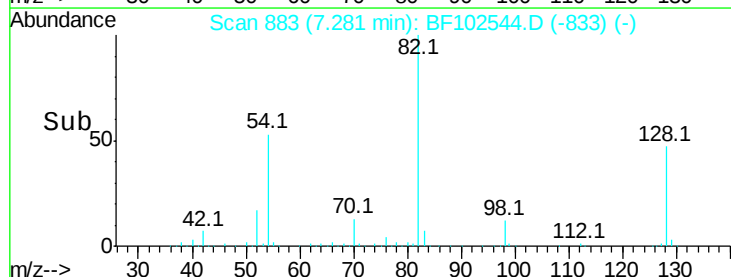
54 52.5 41.4 62.2

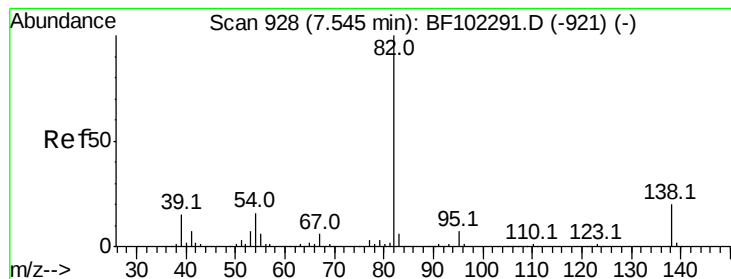


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.683 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102544.D

Acq: 28 Jan 2018 7:29

Instrument :

BNA_F

ClientSampleId :

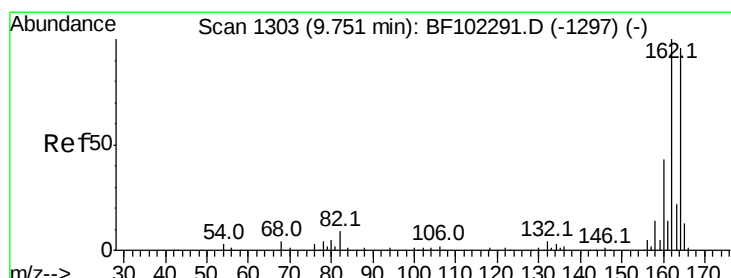
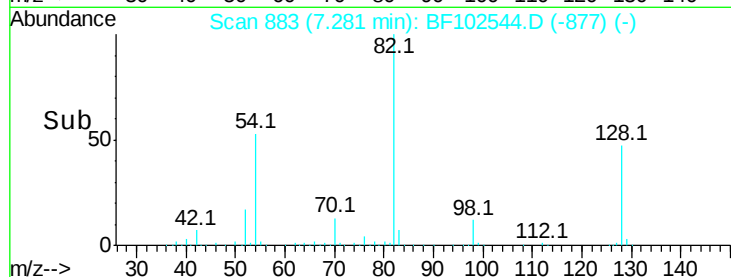
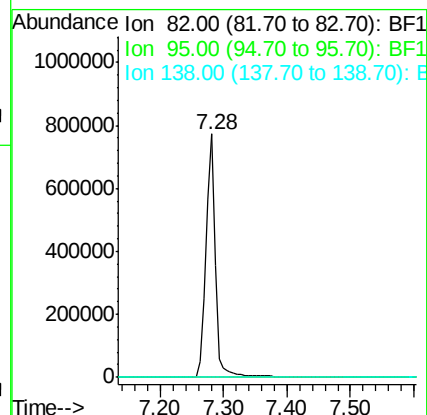
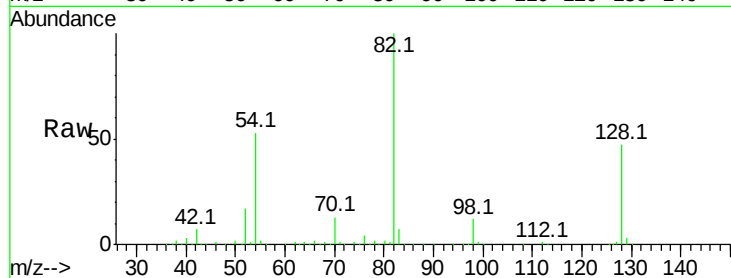
Tot Ion: 82 Resp: 786185

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: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF102544.D

Acq: 28 Jan 2018 7:29

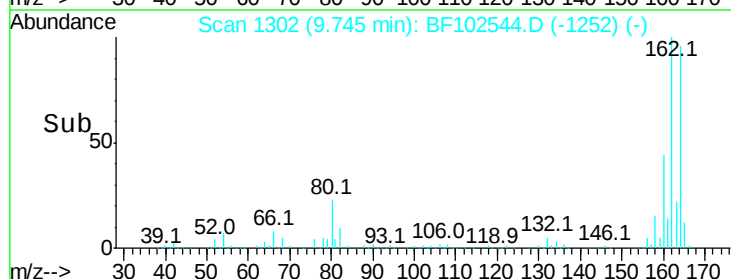
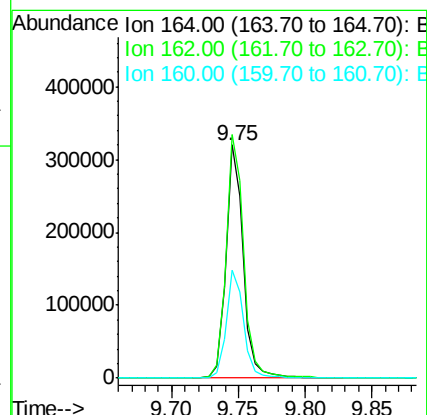
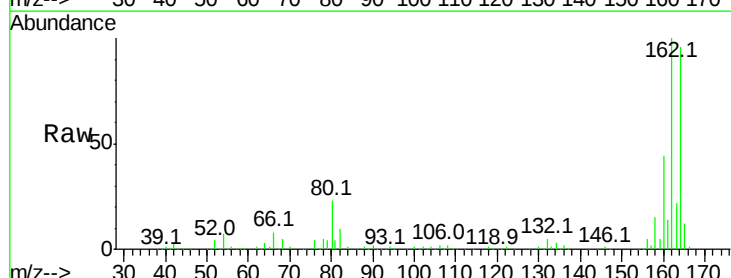
Tgt Ion: 164 Resp: 292668

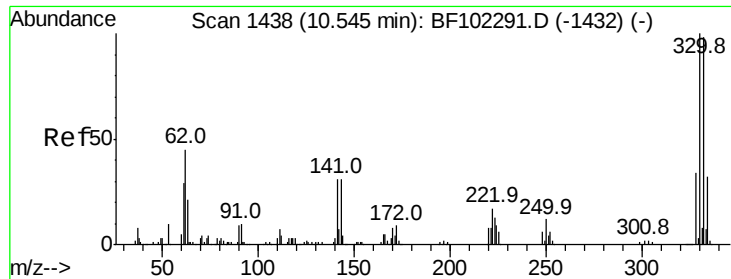
Ion Ratio Lower Upper

164 100

162 104.4 86.1 129.1

160 46.3 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 41.632 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102544.D

Acq: 28 Jan 2018 7:29

Instrument :

BNA_F

ClientSampleId :

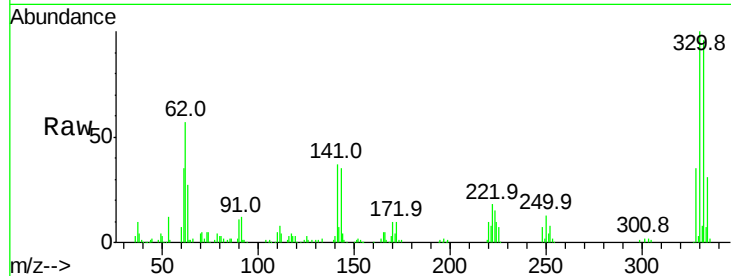
Tot Ion:330 Resp: 120729

Ion Ratio Lower Upper

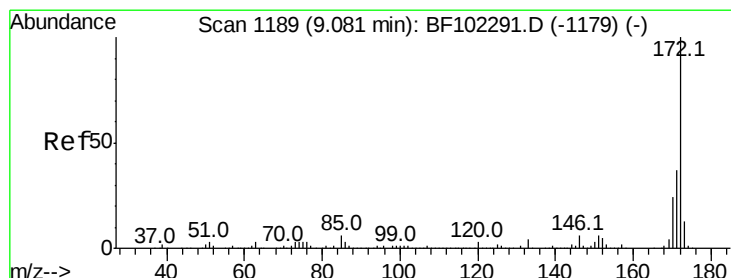
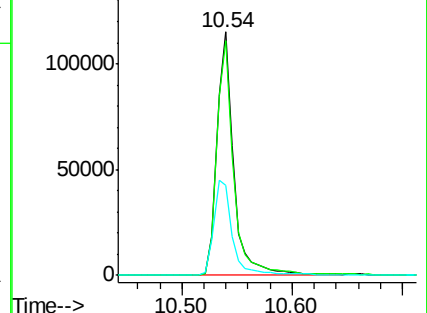
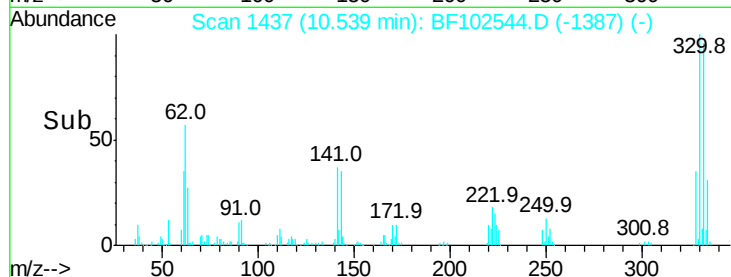
330 100

332 97.0 77.0 115.6

141 41.5 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: 64.893 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF102544.D

Acq: 28 Jan 2018 7:29

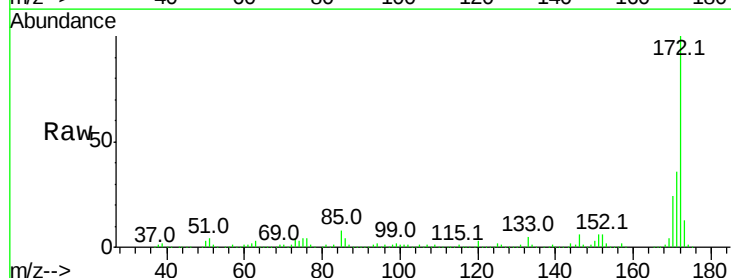
Tgt Ion:172 Resp: 1291679

Ion Ratio Lower Upper

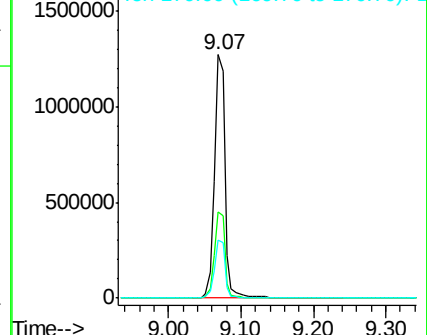
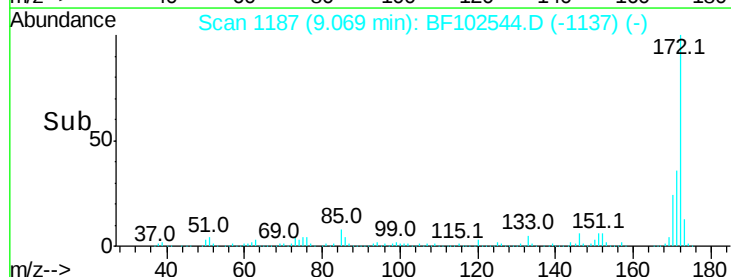
172 100

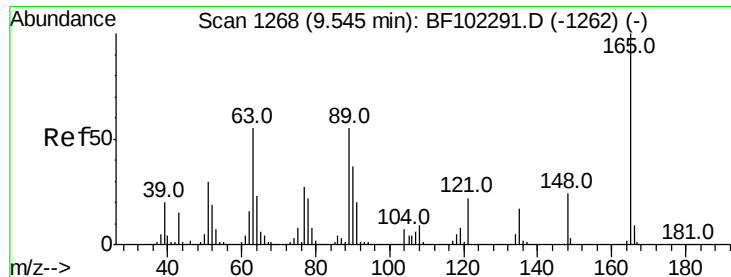
171 35.6 29.7 44.5

170 23.8 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

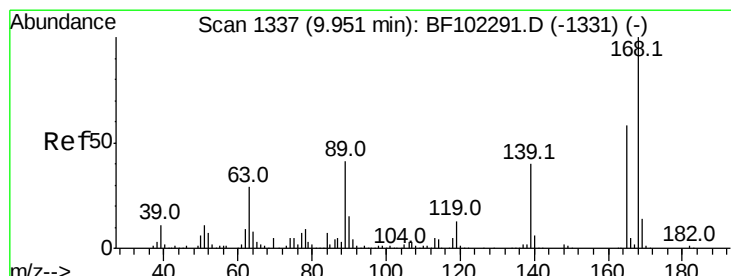
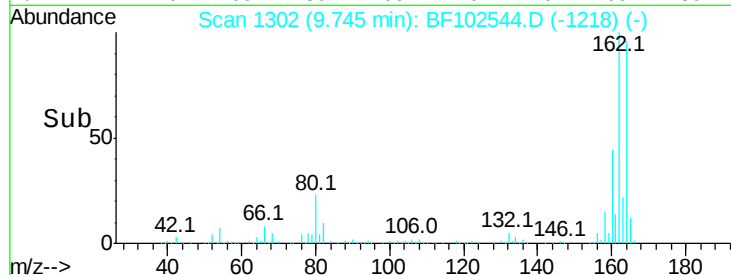
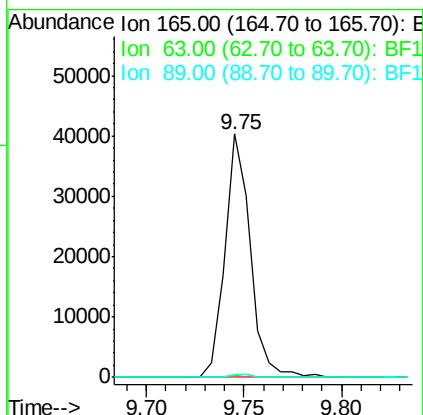
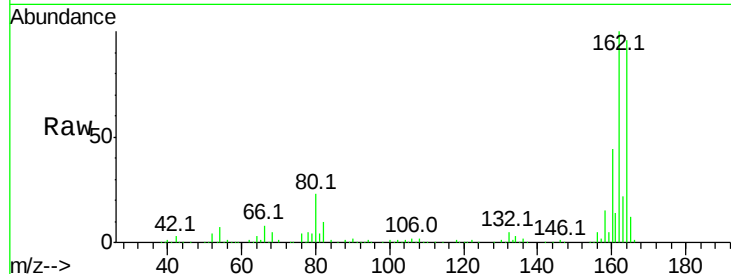




#50
 2,6-Dinitrotoluene
 Concen: 6.944 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. 0.19 min
 Lab File: BF102544.D
 Acq: 28 Jan 2018 7:29

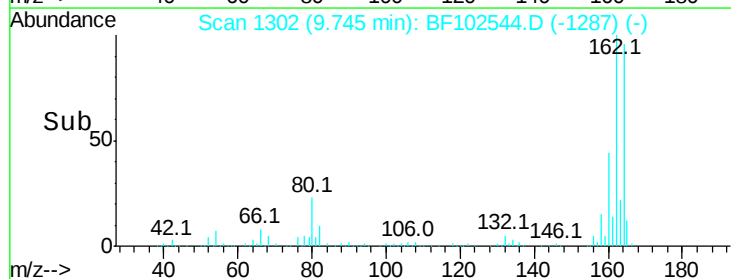
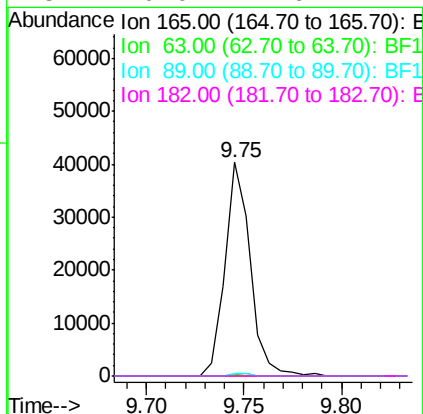
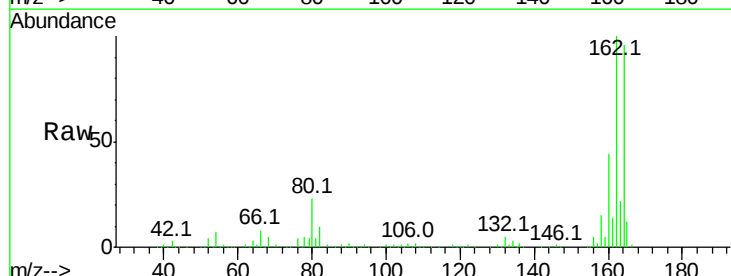
Instrument :
 BNA_F
 ClientSampleId :

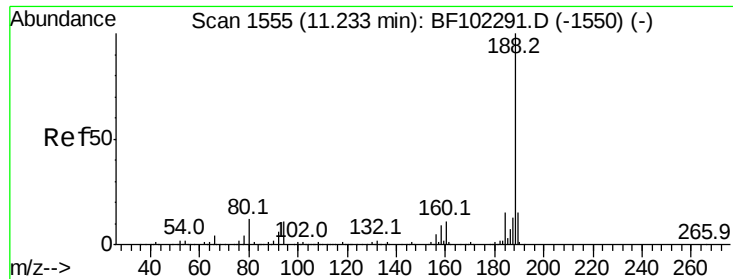
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.8	44.7	67.1#
89	1.3	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.647 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102544.D
 Acq: 28 Jan 2018 7:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

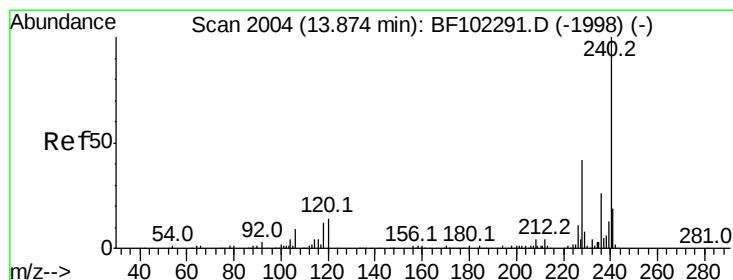
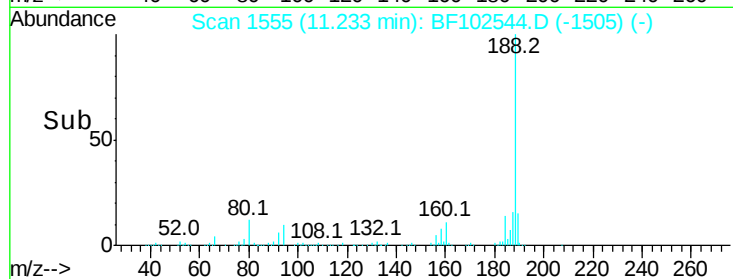
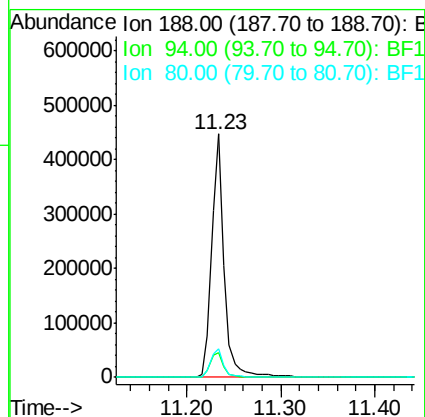
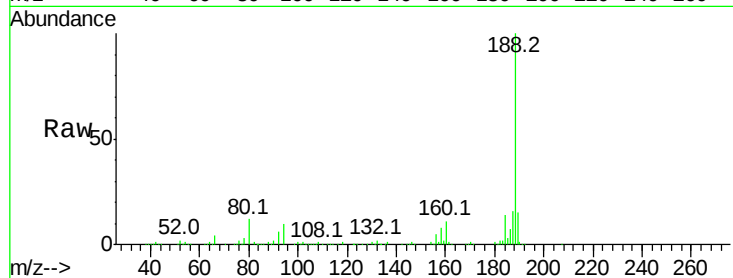




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102544.D
Acq: 28 Jan 2018 7:29

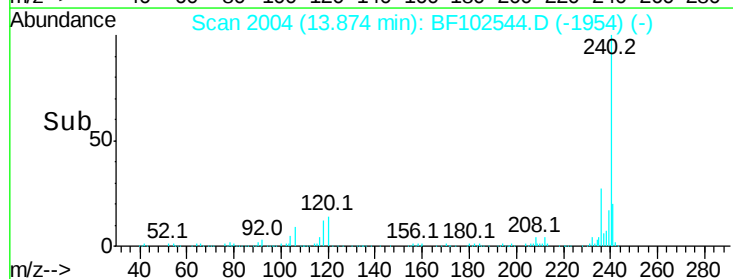
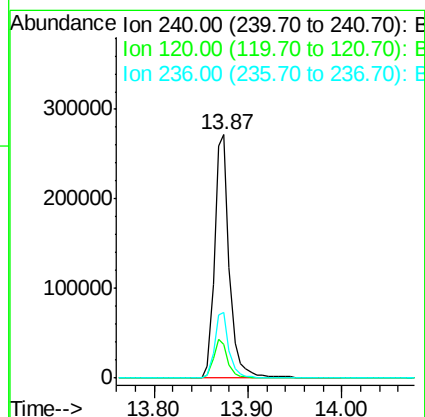
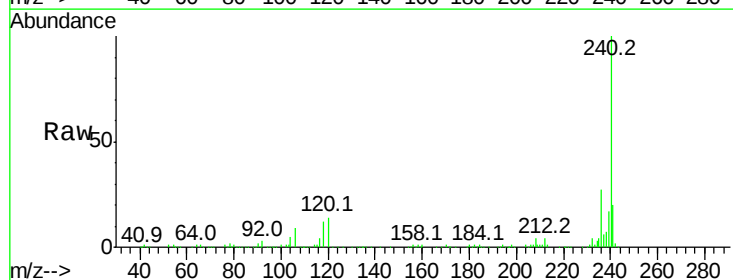
Instrument :
BNA_F
ClientSampleId :

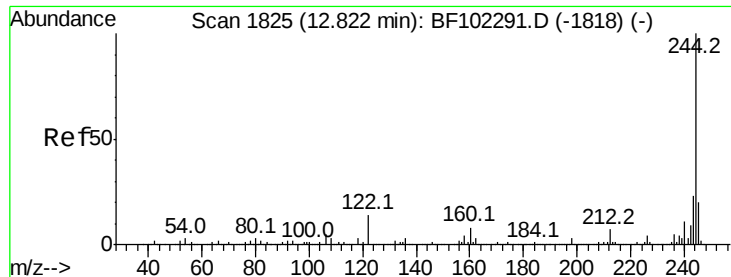
Tot Ion:188 Resp: 421593
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 11.7 9.2 13.8



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF102544.D
Acq: 28 Jan 2018 7:29

Tgt Ion:240 Resp: 305407
Ion Ratio Lower Upper
240 100
120 13.7 9.5 14.3
236 27.1 20.7 31.1

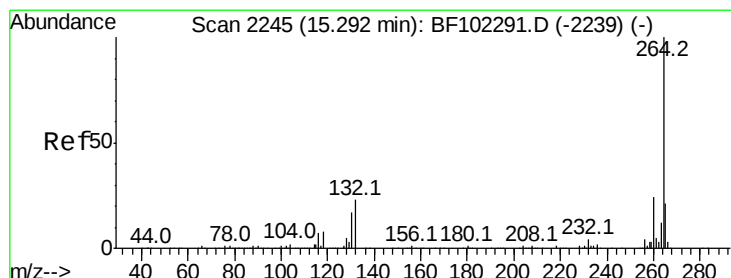
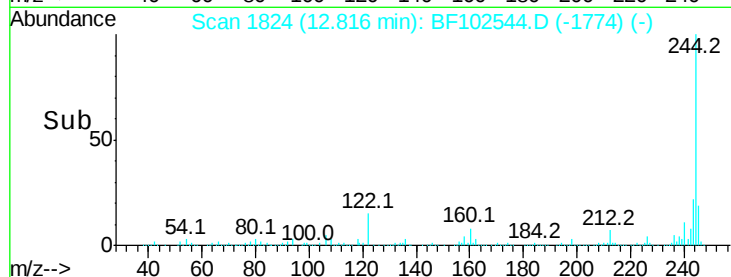
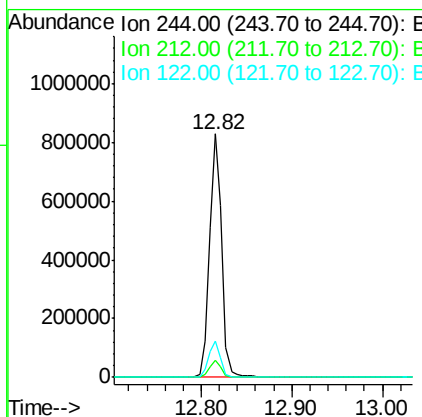
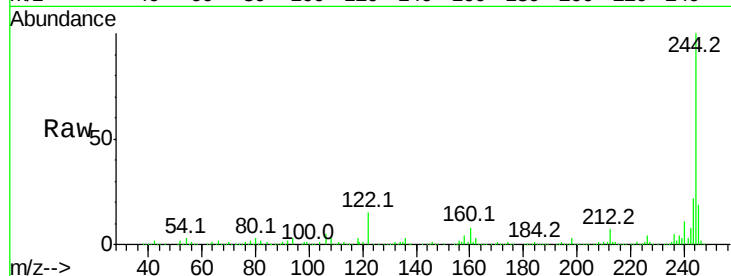




#78
 Terphenyl-d14
 Concen: 57.956 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF102544.D
 Acq: 28 Jan 2018 7:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 785147
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 14.9 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BF102544.D
 Acq: 28 Jan 2018 7:29

Tgt Ion:264 Resp: 214030
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.2 28.8
 265 21.3 17.5 26.3

