

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032116\
 Data File : BF085662.D
 Acq On : 22 Mar 2016 12:12
 Operator : UM/SJ
 Sample : H1799-11 10X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 22 13:10:10 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

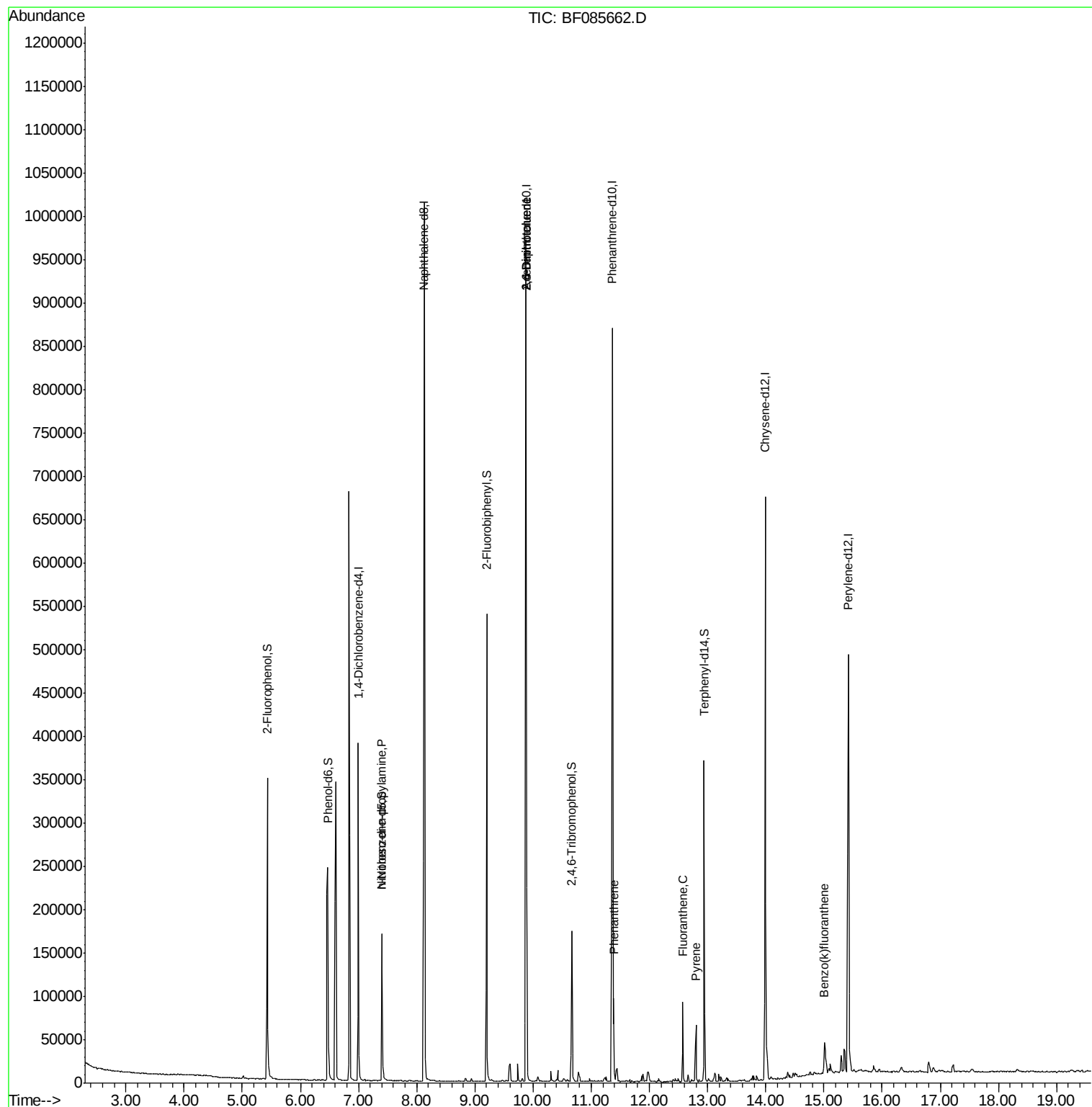
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	60272	20.00	ng	0.14
21) Naphthalene-d8	8.13	136	473933	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	189103	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	312860	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	226378	20.00	ng	-0.02
86) Perylene-d12	15.42	264	219191	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	116444	32.45	ng	-0.02
7) Phenol-d6	6.47	99	144286	31.35	ng	-0.02
23) Nitrobenzene-d5	7.40	82	83990	10.29	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	20438	11.03	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	172088	11.68	ng	-0.02
78) Terphenyl-d14	12.94	244	107145	11.39	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.61	77	2746	Below Cal	#	77
19) n-Nitroso-di-n-propylamine	7.40	70	10342	3.76	ng	# 78
50) 2,6-Dinitrotoluene	9.88	165	24543	8.15	ng	# 18
56) 2,4-Dinitrotoluene	9.88	165	24538	6.22	ng	# 36
70) Phenanthrene	11.38	178	34760	2.11	ng	100
74) Fluoranthene	12.57	202	42611	2.47	ng	90
77) Pyrene	12.80	202	36025	2.22	ng	96
88) Benzo(k)fluoranthene	15.01	252	28336	2.40	ng	# 94

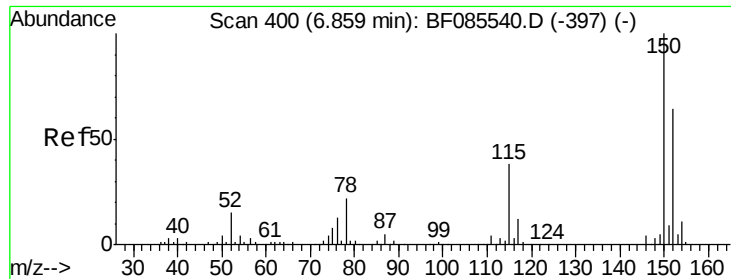
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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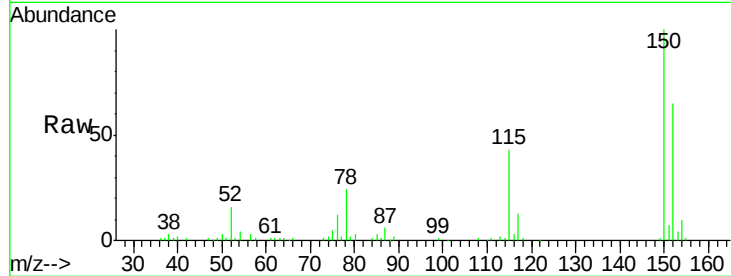


#1

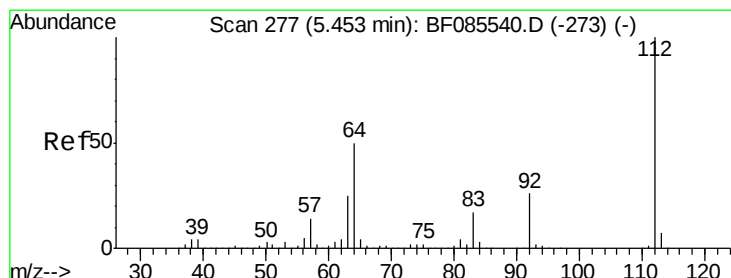
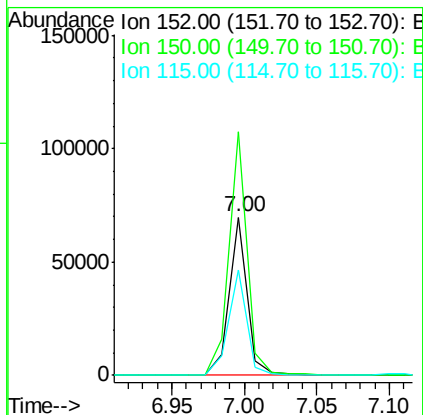
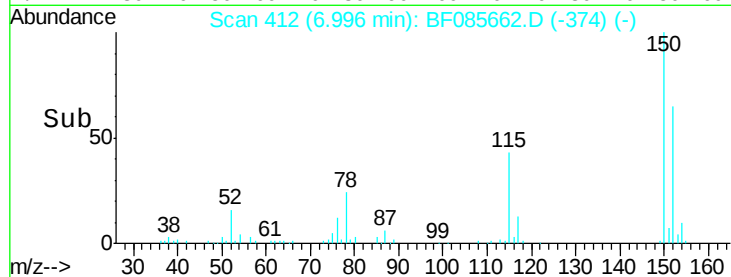
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.00 min Scan# 412
 Delta R.T. 0.14 min
 Lab File: BF085662.D
 Acq: 22 Mar 2016 12:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 60272
 Ion Ratio Lower Upper
 152 100
 150 153.9 124.2 186.2
 115 66.4 47.0 70.6



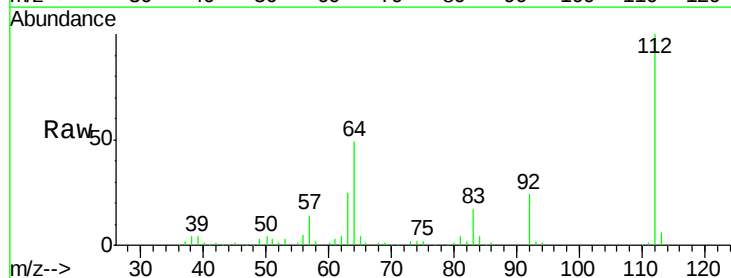
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



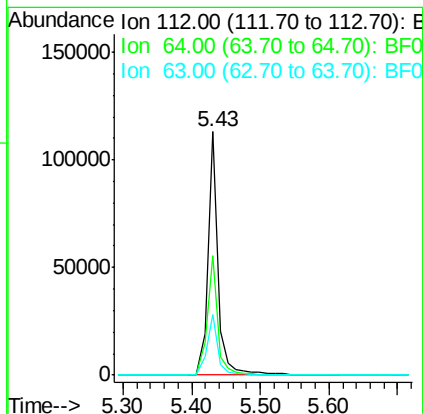
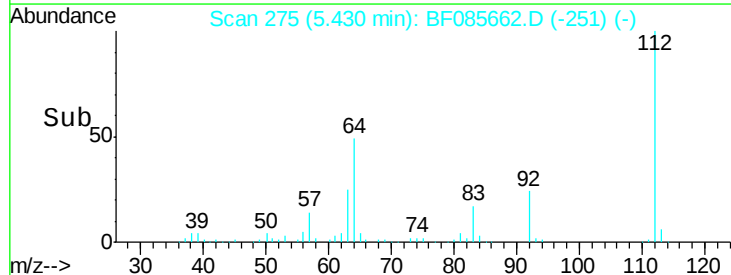
#5

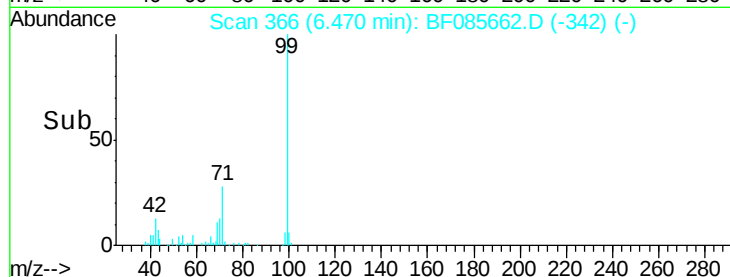
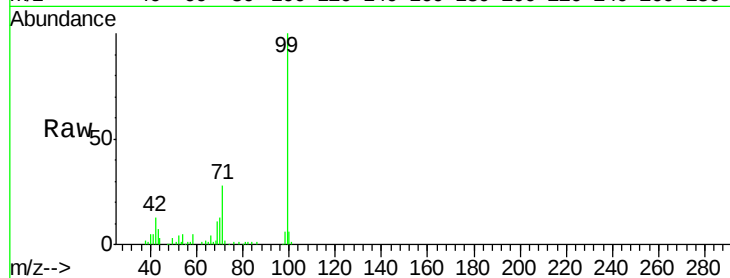
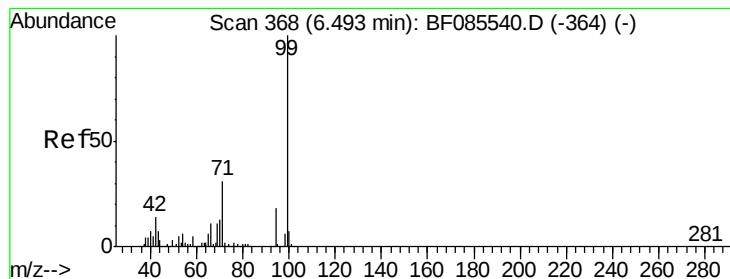
2-Fluorophenol
 Concen: 32.45 ng
 RT: 5.43 min Scan# 275
 Delta R.T. -0.02 min
 Lab File: BF085662.D
 Acq: 22 Mar 2016 12:12

Tgt Ion:112 Resp: 116444
 Ion Ratio Lower Upper
 112 100
 64 48.9 39.9 59.9
 63 25.1 20.2 30.2



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: 31.35 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085662.D

Acq: 22 Mar 2016 12:12

Instrument :

BNA_F

ClientSampled :

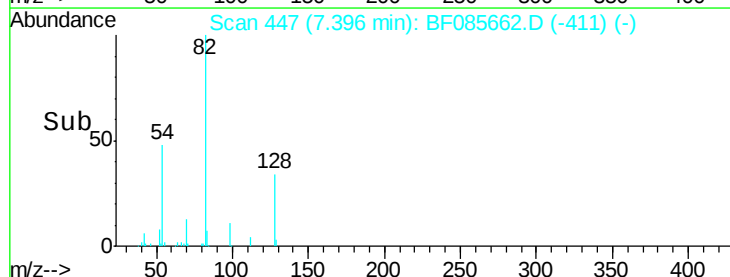
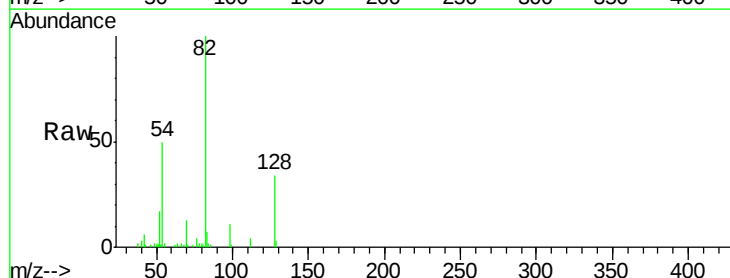
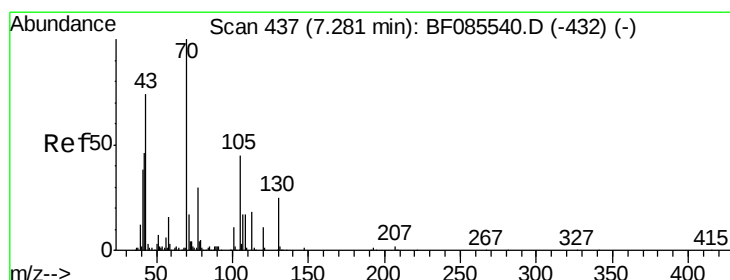
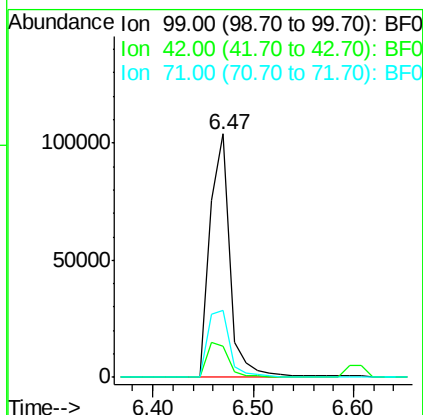
Tot Ion: 99 Resp: 144286

Ion Ratio Lower Upper

99 100

42 12.8 11.1 16.7

71 27.7 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 3.76 ng

RT: 7.40 min Scan# 447

Delta R.T. 0.11 min

Lab File: BF085662.D

Acq: 22 Mar 2016 12:12

Tgt Ion: 70 Resp: 10342

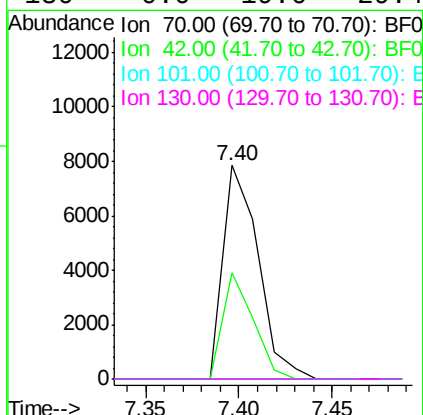
Ion Ratio Lower Upper

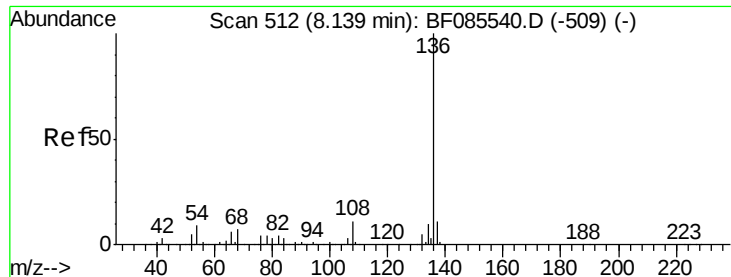
70 100

42 50.0 37.1 55.7

101 0.0 8.6 12.8#

130 0.0 19.6 29.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF085662.D

Acq: 22 Mar 2016 12:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 473933

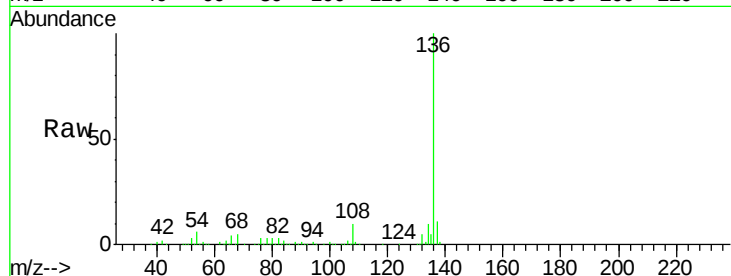
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.9 7.4 11.0#

68 5.0 5.8 8.8#

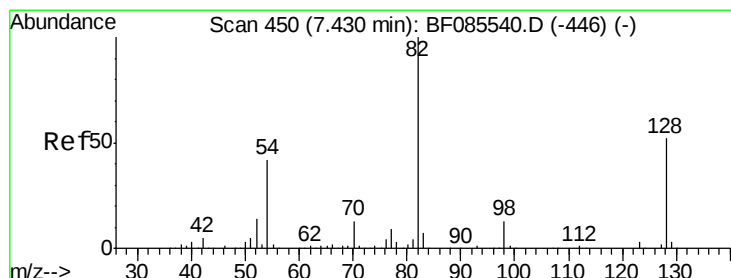
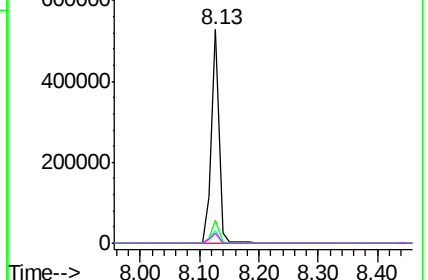
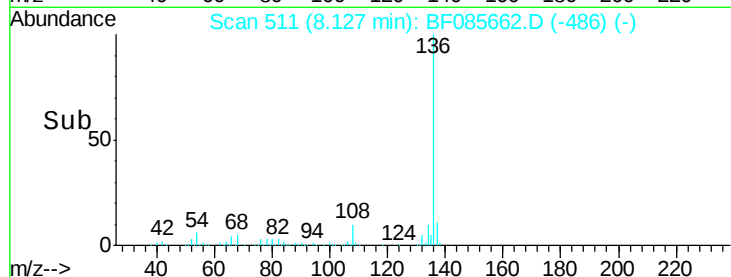


Abundance Ion 136.00 (135.70 to 136.70): E

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: 10.29 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.03 min

Lab File: BF085662.D

Acq: 22 Mar 2016 12:12

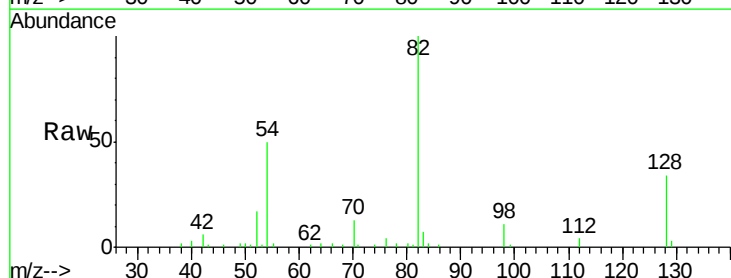
Tgt Ion: 82 Resp: 83990

Ion Ratio Lower Upper

82 100

128 33.8 41.8 62.8#

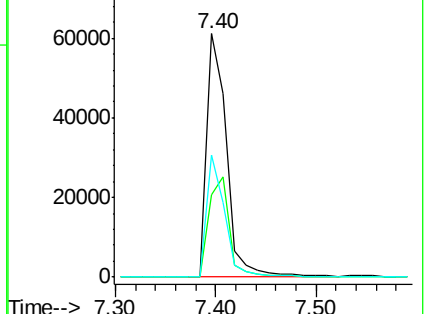
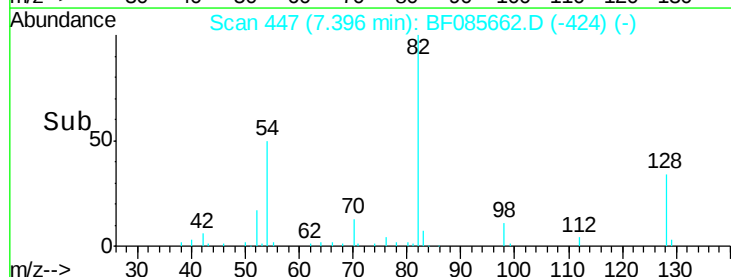
54 50.3 33.4 50.0#

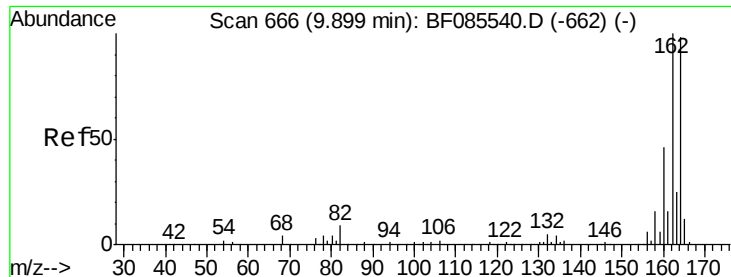


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 664

Delta R.T. -0.02 min

Lab File: BF085662.D

Acq: 22 Mar 2016 12:12

Instrument :

BNA_F

ClientSampled :

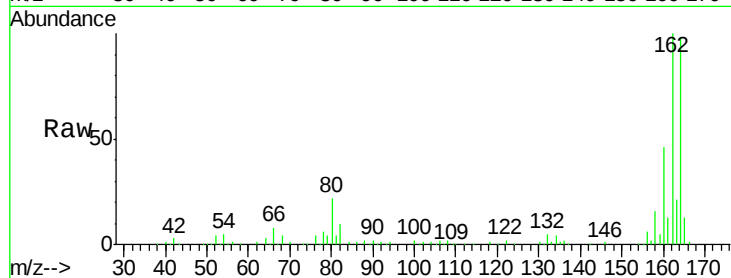
Tot Ion:164 Resp: 189103

Ion Ratio Lower Upper

164 100

162 101.6 82.1 123.1

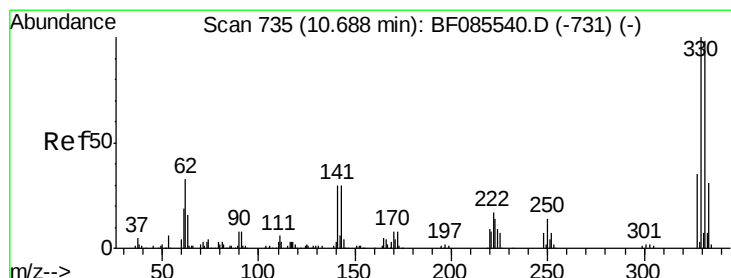
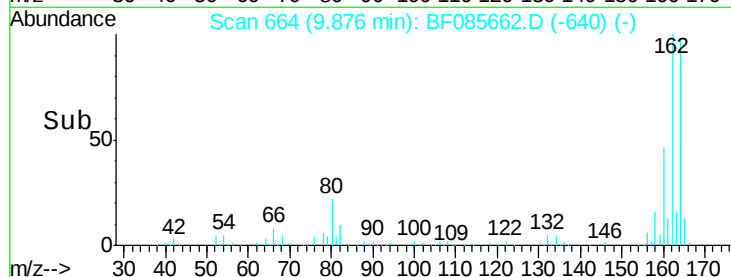
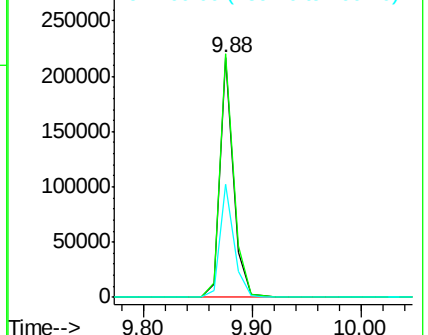
160 47.2 37.4 56.2



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: 11.03 ng

RT: 10.66 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF085662.D

Acq: 22 Mar 2016 12:12

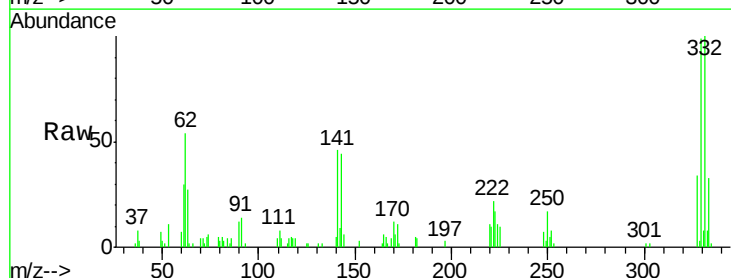
Tgt Ion:330 Resp: 20438

Ion Ratio Lower Upper

330 100

332 99.5 78.2 117.2

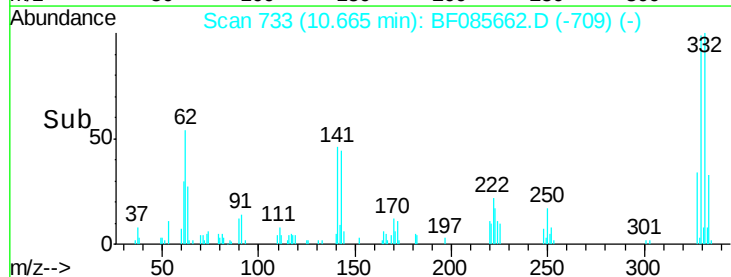
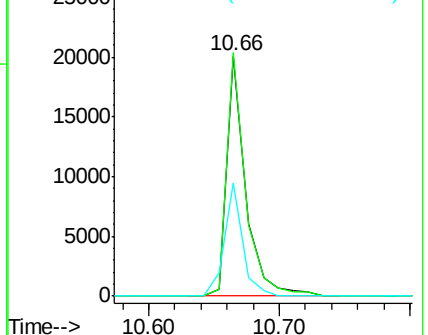
141 44.9 31.5 47.3

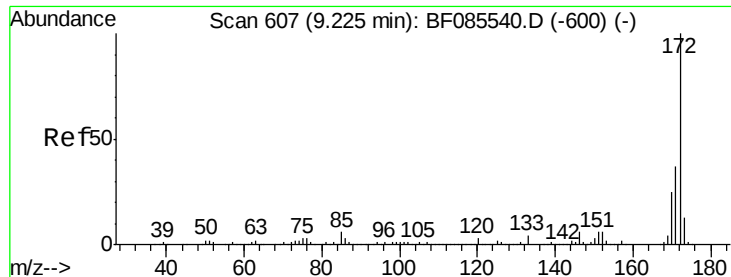


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

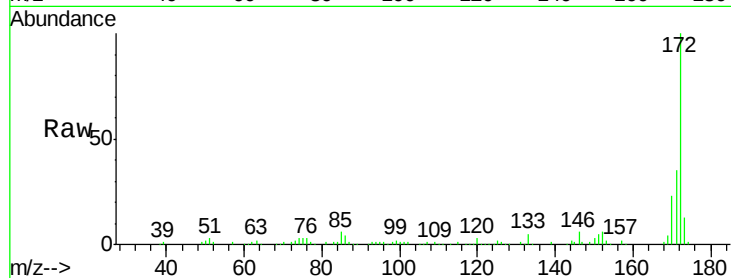




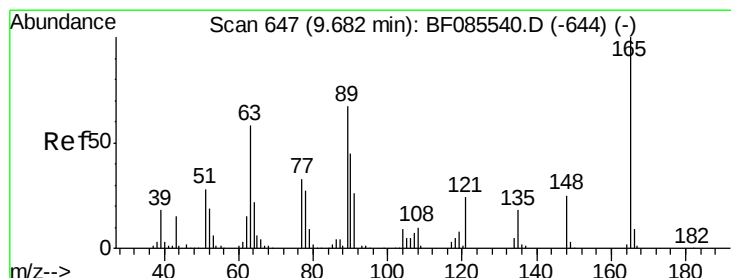
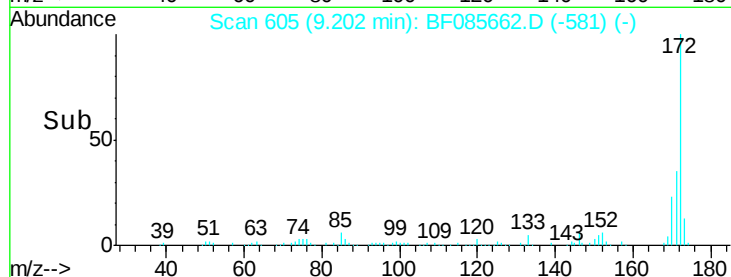
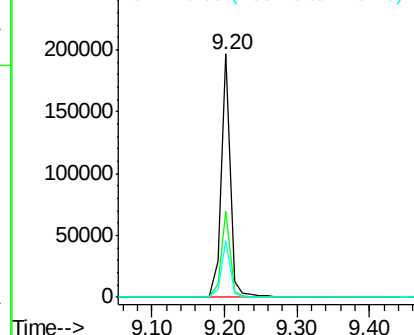
#44
2-Fluorobiphenyl
Concen: 11.68 ng
RT: 9.20 min Scan# 605
Delta R.T. -0.02 min
Lab File: BF085662.D
Acq: 22 Mar 2016 12:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 172088
Ion Ratio Lower Upper
172 100
171 35.2 29.4 44.2
170 23.1 19.8 29.6

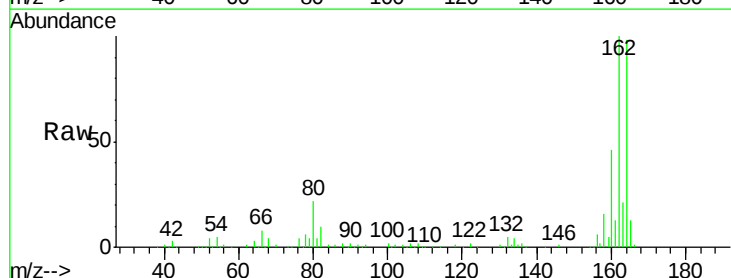


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

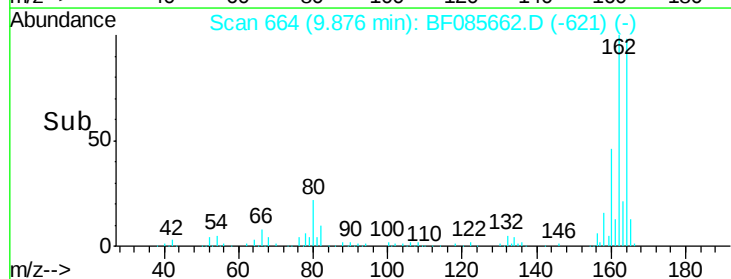
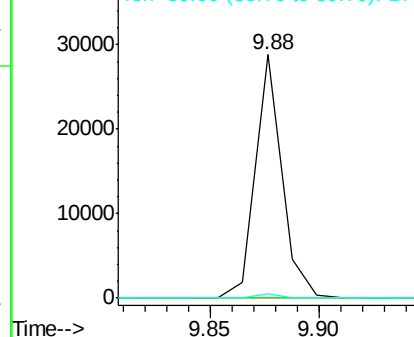


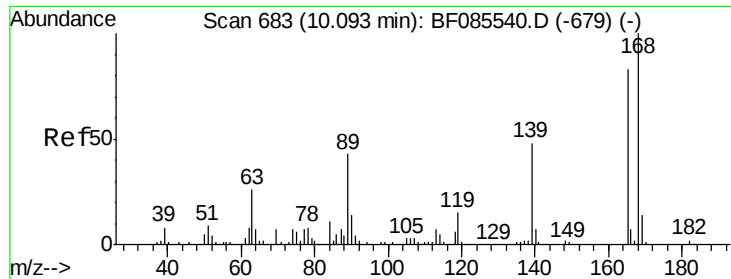
#50
2,6-Dinitrotoluene
Concen: 8.15 ng
RT: 9.88 min Scan# 664
Delta R.T. 0.19 min
Lab File: BF085662.D
Acq: 22 Mar 2016 12:12

Tgt Ion:165 Resp: 24543
Ion Ratio Lower Upper
165 100
63 0.0 51.8 77.8#
89 1.5 53.7 80.5#



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

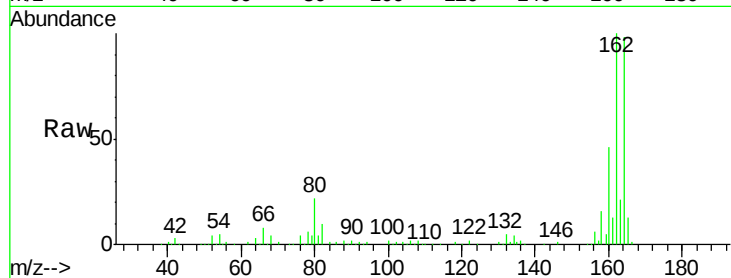




#56
 2,4-Dinitrotoluene
 Concen: 6.22 ng
 RT: 9.88 min Scan# 664
 Delta R.T. -0.22 min
 Lab File: BF085662.D
 Acq: 22 Mar 2016 12:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	24.9	37.3#
89	1.5	41.0	61.6#
182	0.0	2.1	3.1#

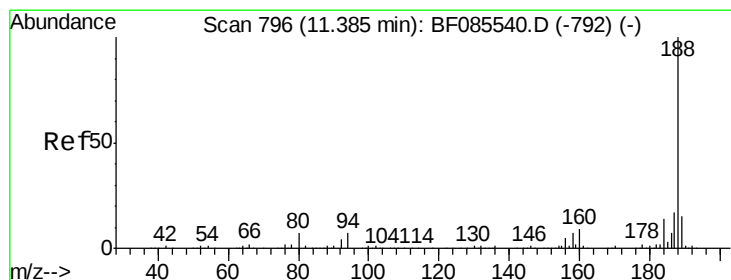
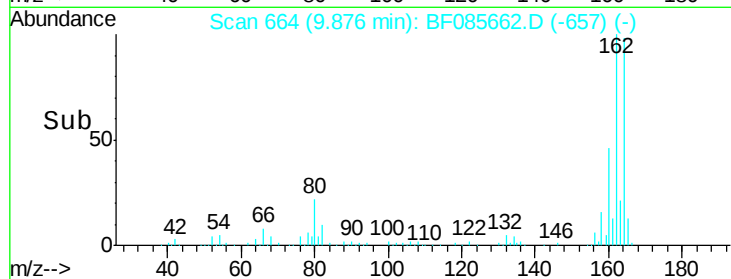
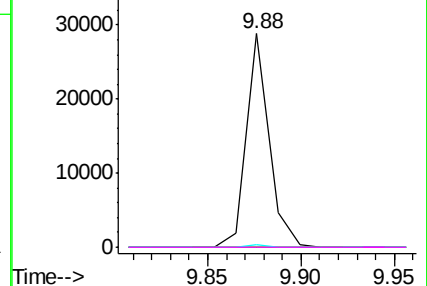


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

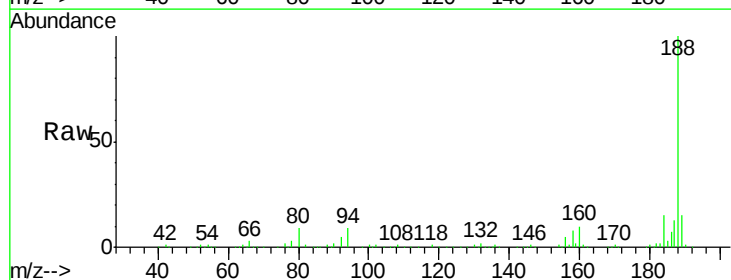
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 794
 Delta R.T. -0.02 min
 Lab File: BF085662.D
 Acq: 22 Mar 2016 12:12

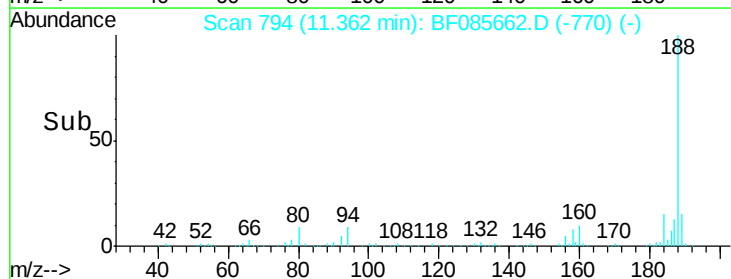
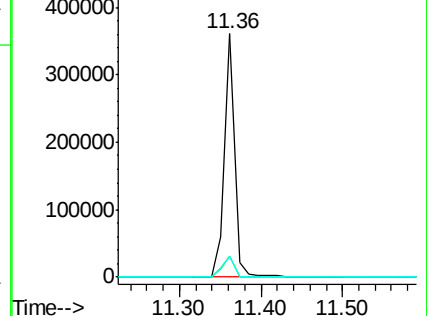
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	5.4	8.0#
80	8.6	5.5	8.3#

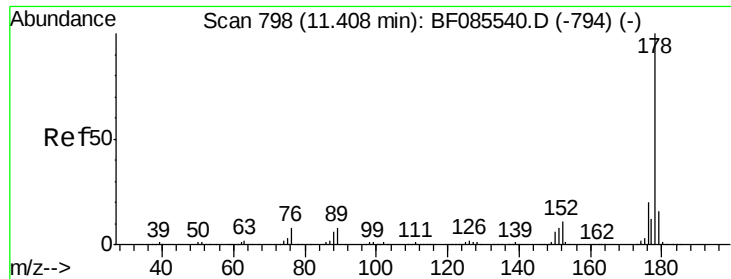


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

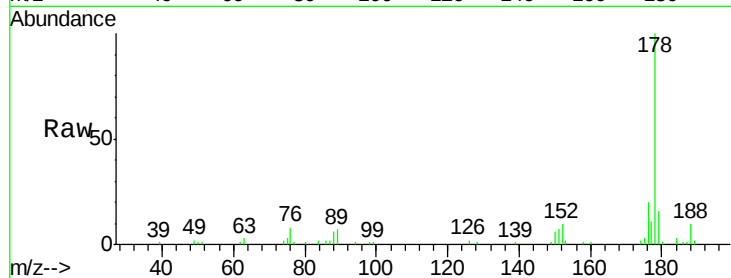




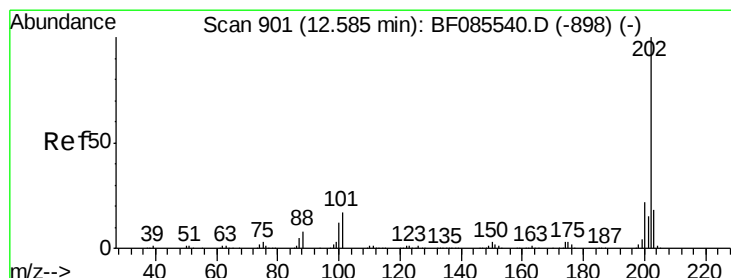
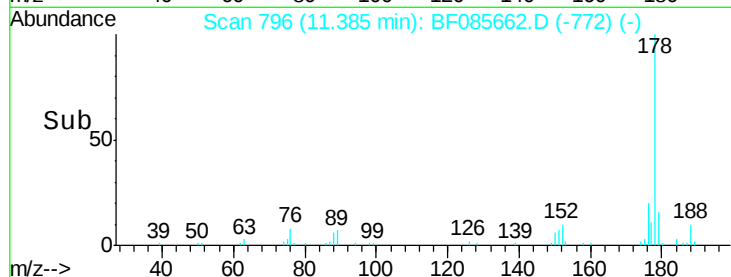
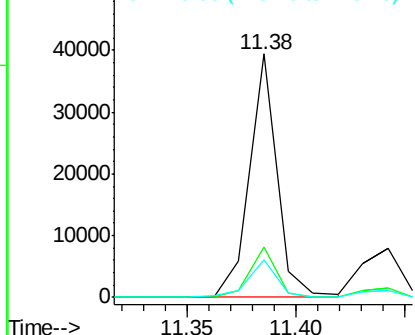
#70
Phenanthrene
Concen: 2.11 ng
RT: 11.38 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF085662.D
Acq: 22 Mar 2016 12:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 34760
Ion Ratio Lower Upper
178 100
176 20.5 16.3 24.5
179 15.6 12.6 18.8

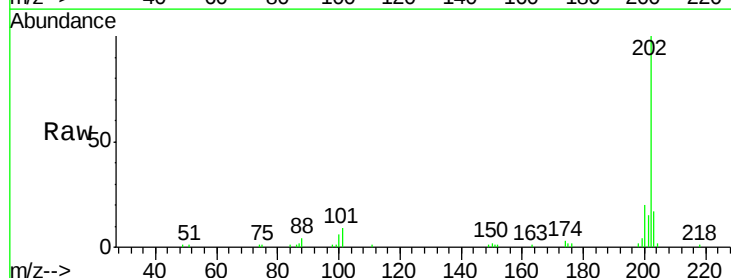


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

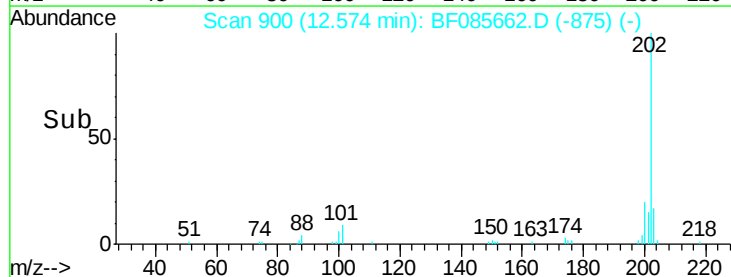
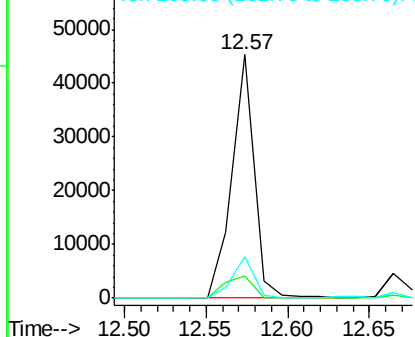


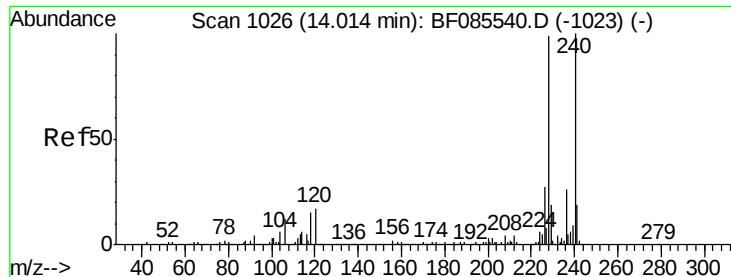
#74
Fluoranthene
Concen: 2.47 ng
RT: 12.57 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF085662.D
Acq: 22 Mar 2016 12:12

Tgt Ion:202 Resp: 42611
Ion Ratio Lower Upper
202 100
101 9.2 0.0 36.6
203 17.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF085662.D

Acq: 22 Mar 2016 12:12

Instrument :

BNA_F

ClientSampleId :

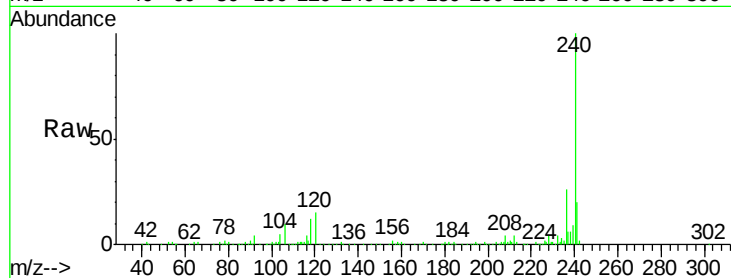
Tot Ion:240 Resp: 226378

Ion Ratio Lower Upper

240 100

120 14.8 13.8 20.8

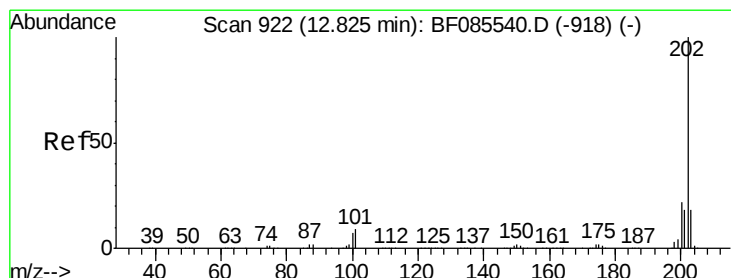
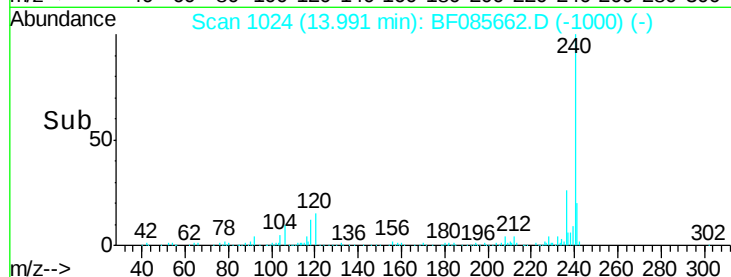
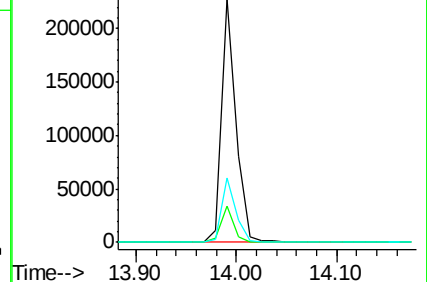
236 26.2 20.6 30.8



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



#77

Pyrene

Concen: 2.22 ng

RT: 12.80 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF085662.D

Acq: 22 Mar 2016 12:12

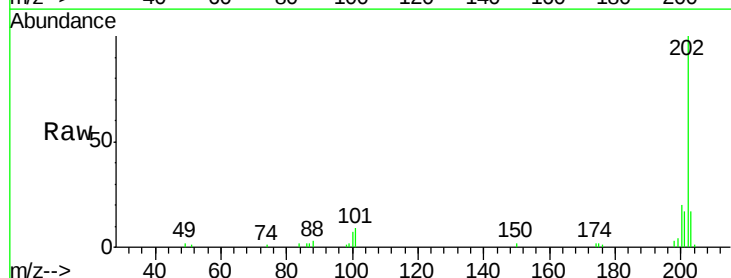
Tgt Ion:202 Resp: 36025

Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

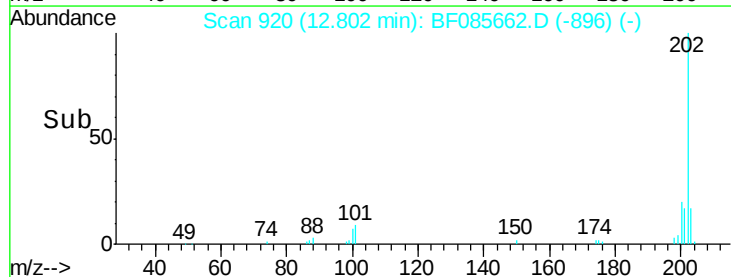
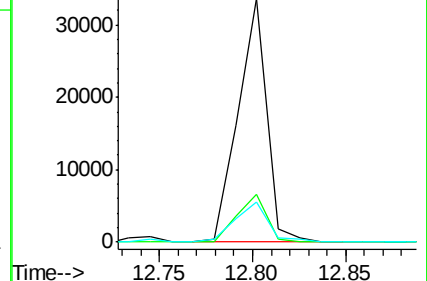
203 16.6 14.0 21.0

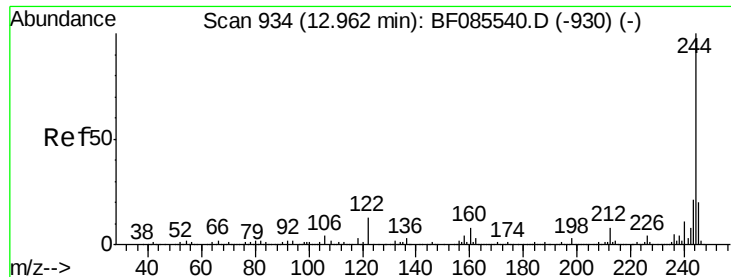


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

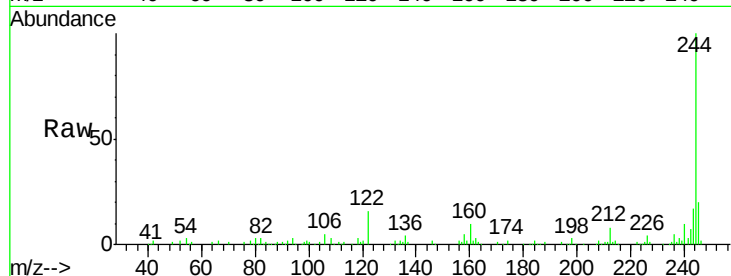




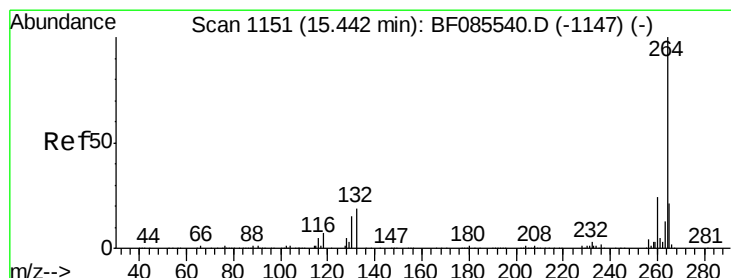
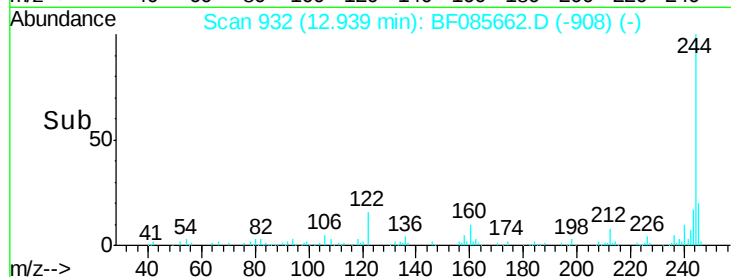
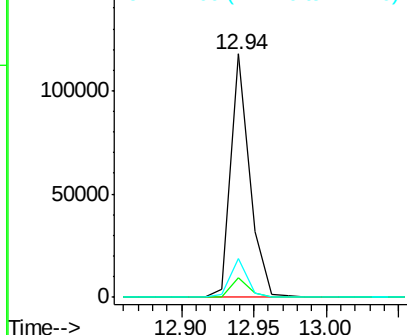
#78
 Terphenyl-d14
 Concen: 11.39 ng
 RT: 12.94 min Scan# 932
 Delta R.T. -0.02 min
 Lab File: BF085662.D
 Acq: 22 Mar 2016 12:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 107145
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.1 9.1
 122 15.9 10.2 15.4#

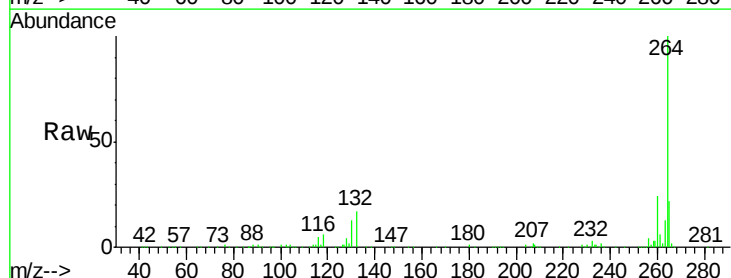


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

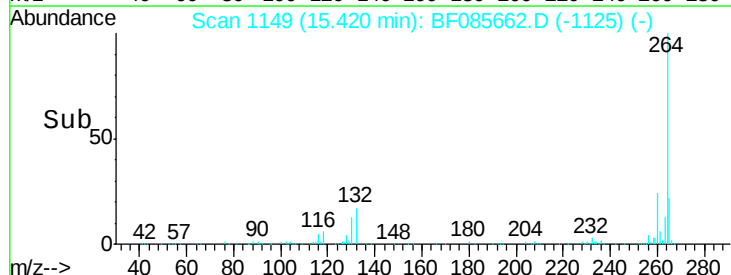
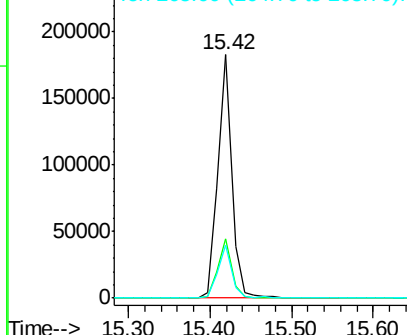


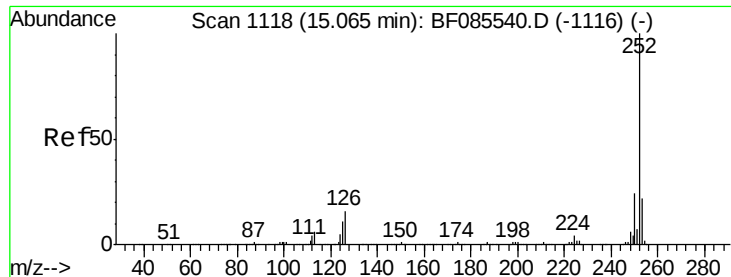
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1149
 Delta R.T. -0.02 min
 Lab File: BF085662.D
 Acq: 22 Mar 2016 12:12

Tgt Ion:264 Resp: 219191
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.4 29.2
 265 21.8 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

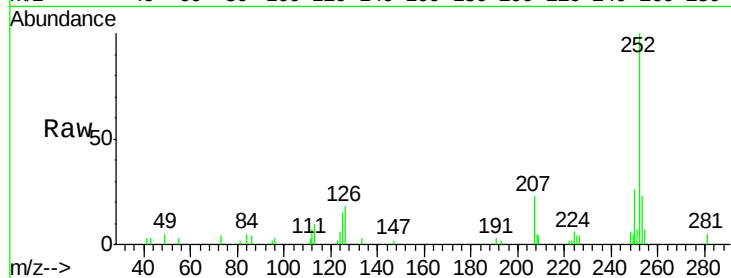




#88
 Benzo(k)fluoranthene
 Concen: 2.40 ng
 RT: 15.01 min Scan# 1113
 Delta R.T. -0.06 min
 Lab File: BF085662.D
 Acq: 22 Mar 2016 12:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	15.3	7.7	11.5



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E

