

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
 Data File : BF085603.D
 Acq On : 20 Mar 2016 7:35
 Operator : UM/SJ
 Sample : H1804-12
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-9A

Quant Time: Mar 21 00:20:02 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

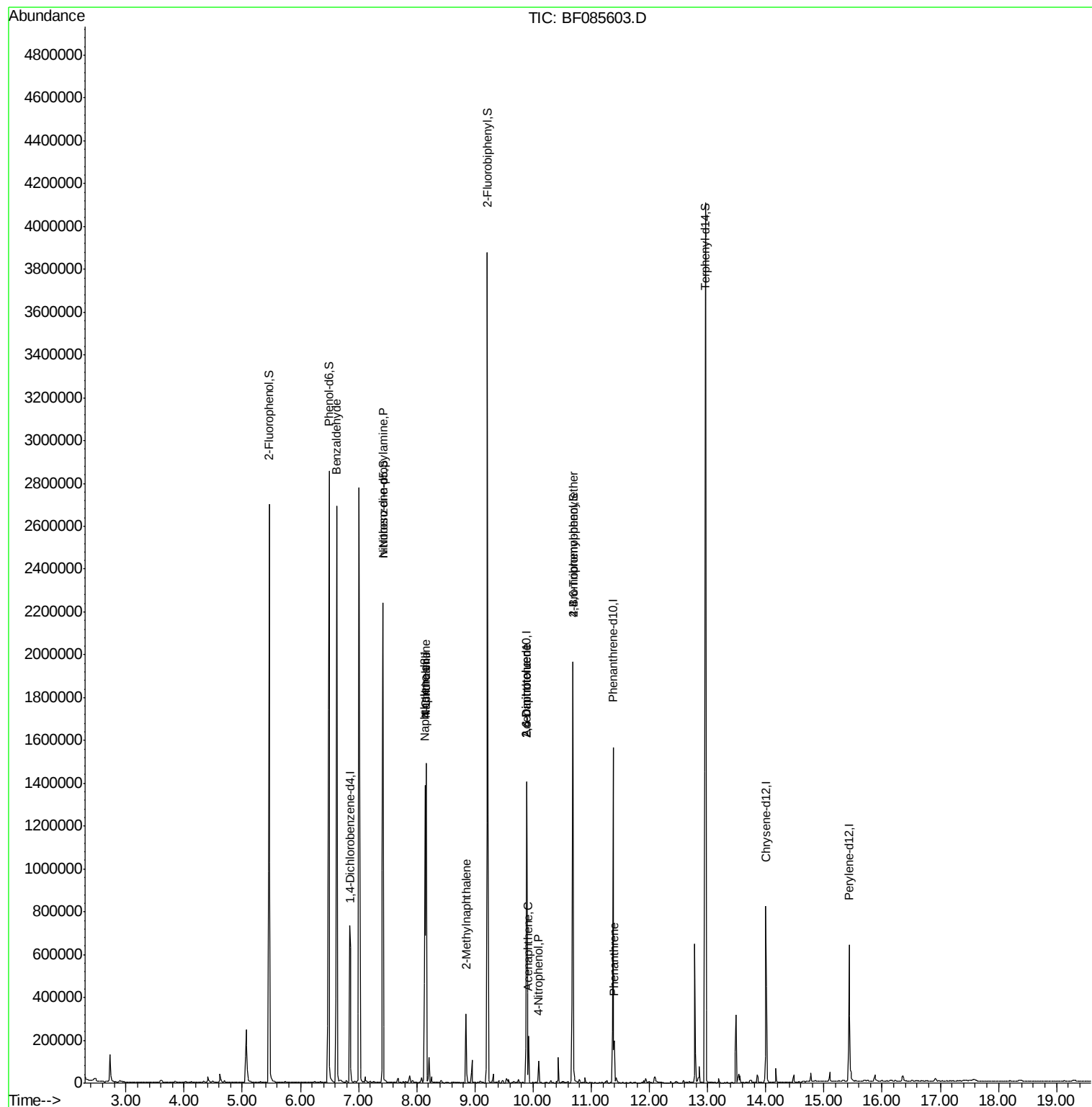
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	160527	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	660578	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	289982	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	533935	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	331584	20.00	ng	-0.01
86) Perylene-d12	15.43	264	284371	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1050428	109.91	ng	0.01
7) Phenol-d6	6.49	99	1326574	108.23	ng	0.00
23) Nitrobenzene-d5	7.42	82	873194	76.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	449615	158.28	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1523472	91.32	ng	-0.01
78) Terphenyl-d14	12.96	244	1383144	100.38	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	25842	2.29	ng	82
19) n-Nitroso-di-n-propylamine	7.42	70	114446	15.63	ng	# 79
31) Naphthalene	8.16	128	763044	22.88	ng	99
33) 4-Chloroaniline	8.16	127	100812	7.38	ng	# 35
37) 2-Methylnaphthalene	8.85	142	84788	4.17	ng	99
50) 2,6-Dinitrotoluene	9.89	165	37401	8.10	ng	# 19
51) Acenaphthene	9.92	154	46453	2.50	ng	99
55) 4-Nitrophenol	10.09	139	15707	3.51	ng	# 10
56) 2,4-Dinitrotoluene	9.89	165	37404	6.18	ng	# 37
66) 4-Bromophenyl-phenylether	10.69	248	26889	5.04	ng	# 1
70) Phenanthrene	11.40	178	69953	2.48	ng	97

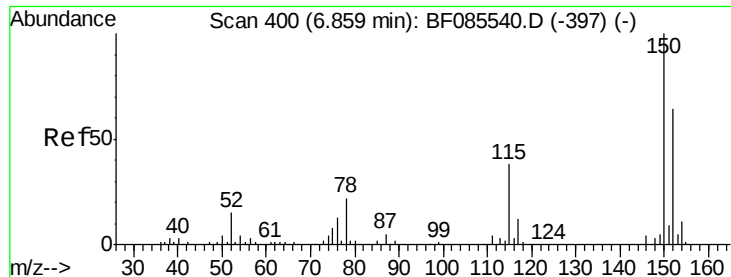
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 400

Delta R.T. 0.00 min

Lab File: BF085603.D

Acq: 20 Mar 2016 7:35

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-9A

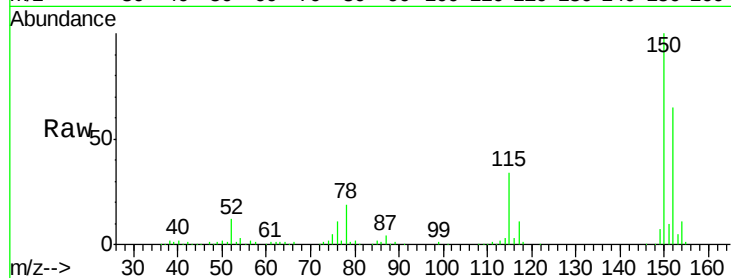
Tgt Ion:152 Resp: 160527

Ion Ratio Lower Upper

152 100

150 152.7 124.2 186.2

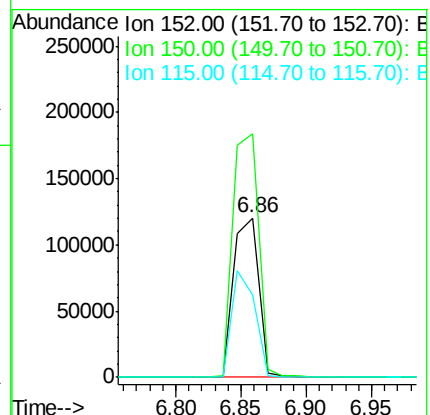
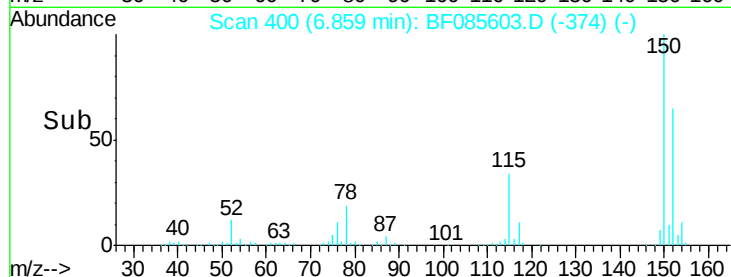
115 52.0 47.0 70.6



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: 109.91 ng

RT: 5.46 min Scan# 278

Delta R.T. 0.01 min

Lab File: BF085603.D

Acq: 20 Mar 2016 7:35

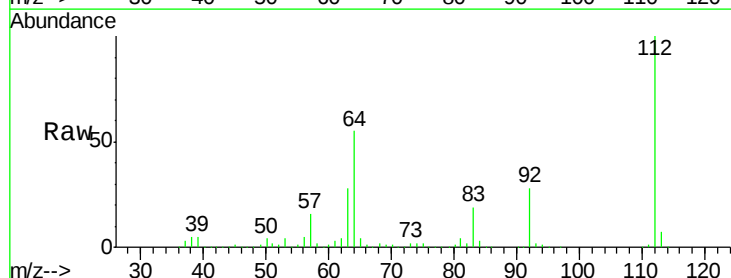
Tgt Ion:112 Resp: 1050428

Ion Ratio Lower Upper

112 100

64 55.5 39.9 59.9

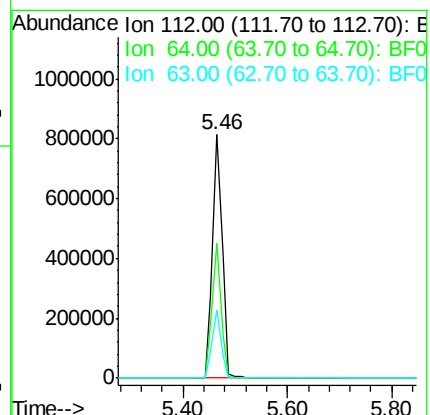
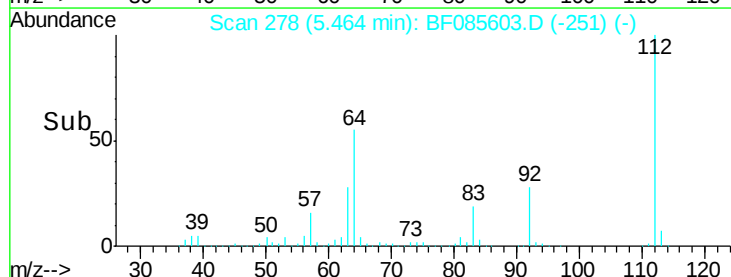
63 28.1 20.2 30.2



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: 108.23 ng

RT: 6.49 min Scan# 368

Delta R.T. 0.00 min

Lab File: BF085603.D

Acq: 20 Mar 2016 7:35

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-9A

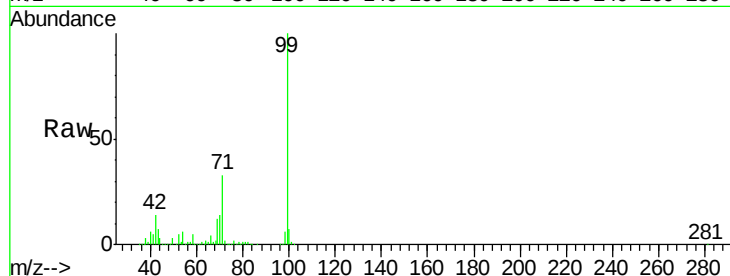
Tgt Ion: 99 Resp: 1326574

Ion Ratio Lower Upper

99 100

42 14.5 11.1 16.7

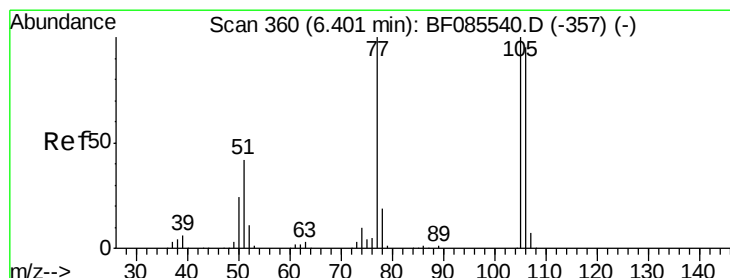
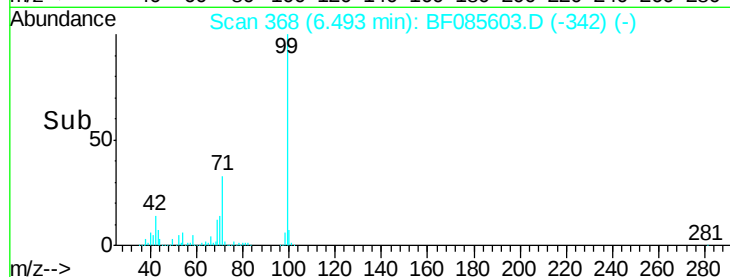
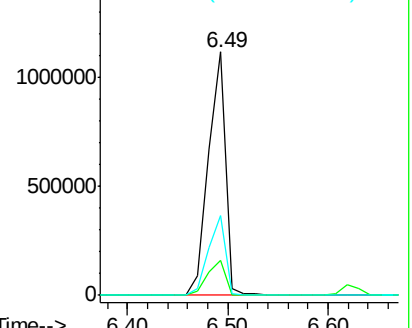
71 32.9 24.9 37.3



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



#9

Benzaldehyde

Concen: 2.29 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.22 min

Lab File: BF085603.D

Acq: 20 Mar 2016 7:35

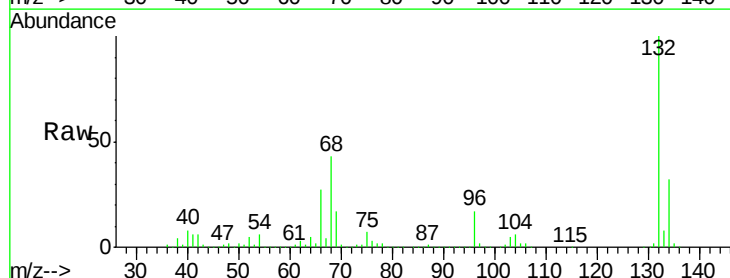
Tgt Ion: 77 Resp: 25842

Ion Ratio Lower Upper

77 100

105 82.4 80.1 120.1

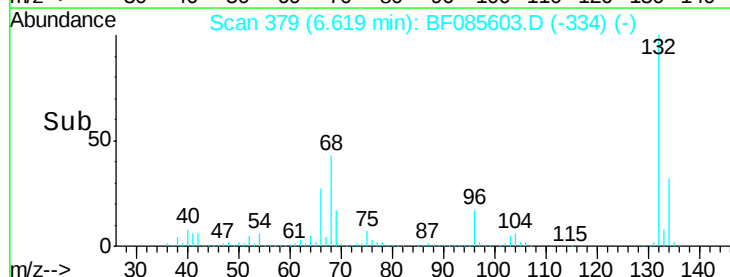
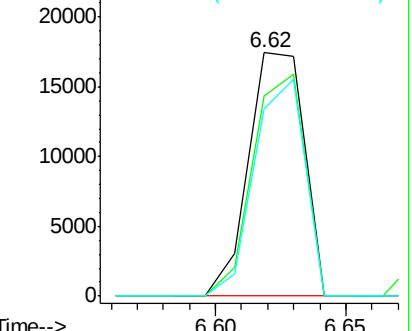
106 77.0 75.0 115.0

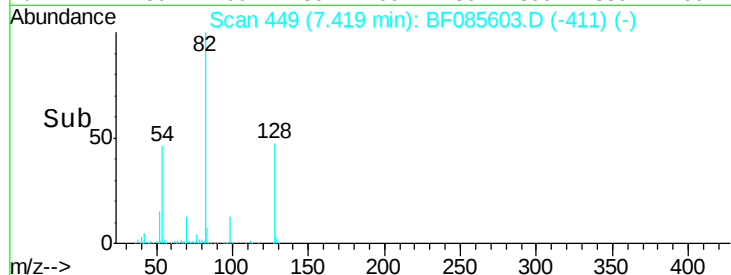
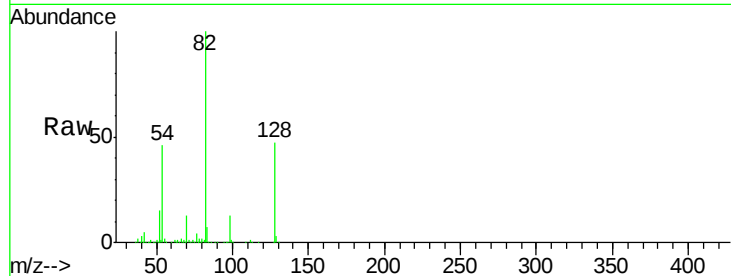
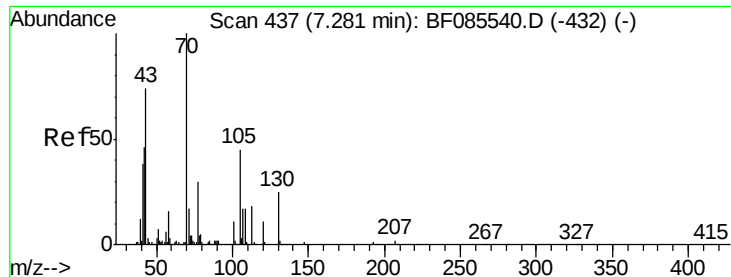


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

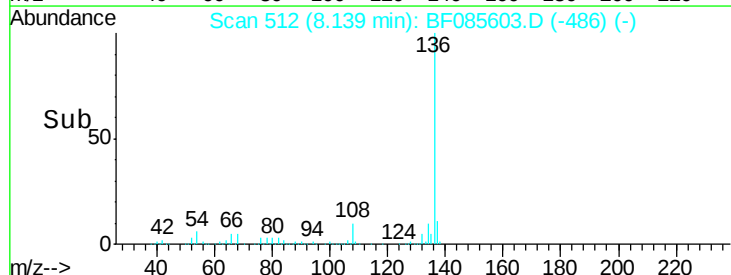
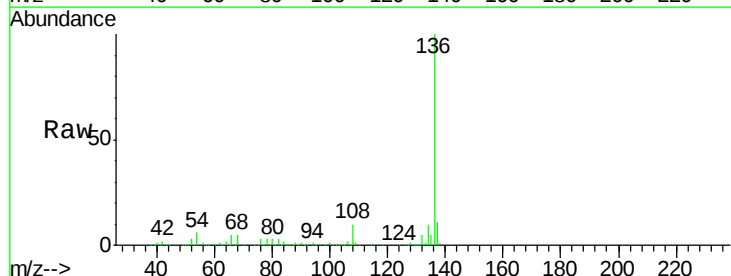
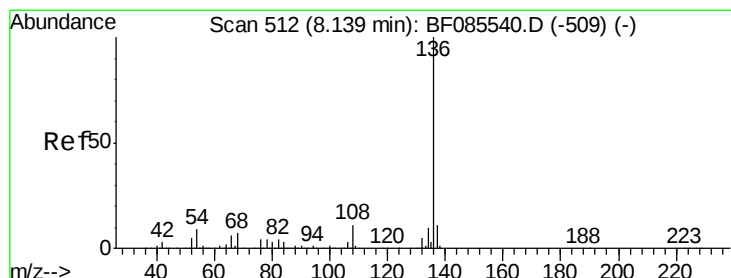
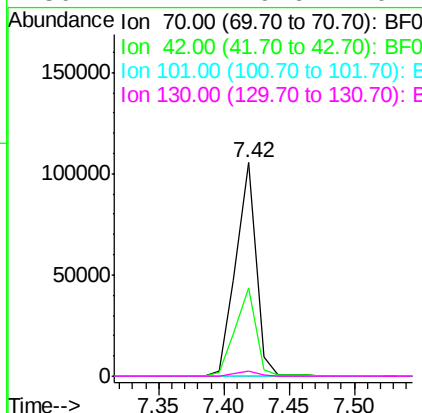




#19
n-Nitroso-di-n-propylamine
Concen: 15.63 ng
RT: 7.42 min Scan# 449
Delta R.T. 0.14 min
Lab File: BF085603.D
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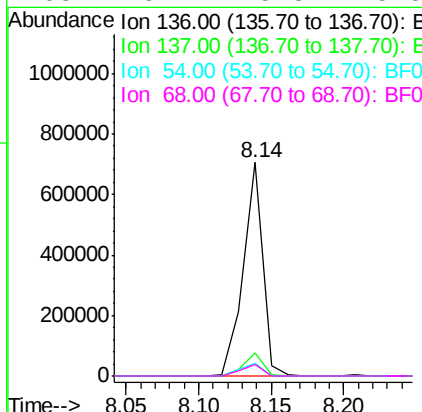
Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-9A

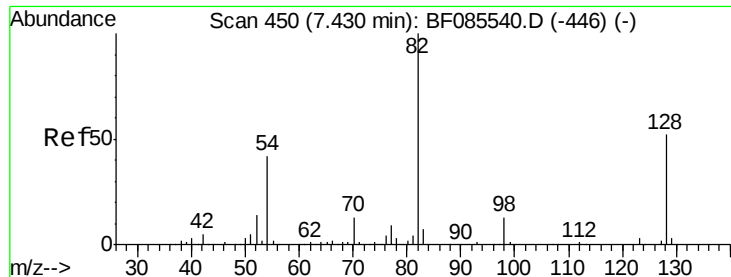
Tgt Ion: 70 Resp: 114446
Ion Ratio Lower Upper
70 100
42 41.2 37.1 55.7
101 0.0 8.6 12.8#
130 2.4 19.6 29.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 512
Delta R.T. 0.00 min
Lab File: BF085603.D
Acq: 20 Mar 2016 7:35

Tgt Ion: 136 Resp: 660578
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 6.1 7.4 11.0#
68 5.4 5.8 8.8#

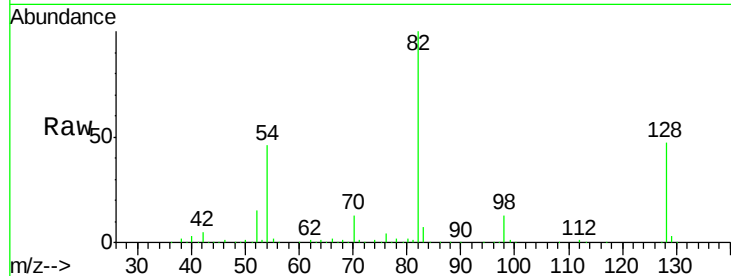




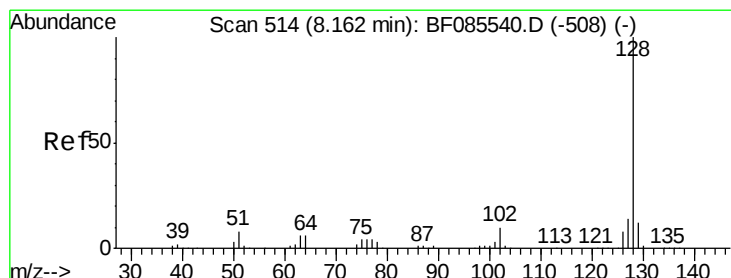
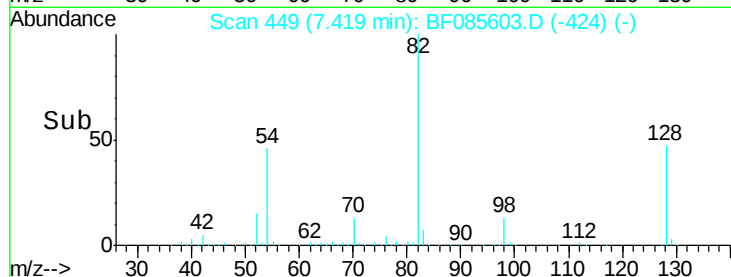
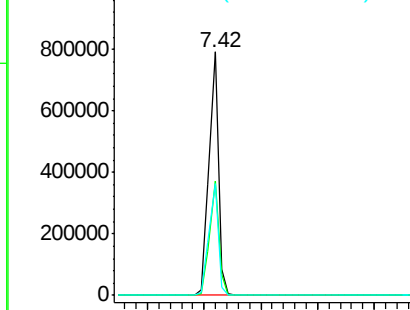
#23
 Nitrobenzene-d5
 Concen: 76.73 ng
 RT: 7.42 min Scan# 449
 Delta R.T. -0.01 min
 Lab File: BF085603.D
 Acq: 20 Mar 2016 7:35

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-9A

Tgt Ion: 82 Resp: 873194
 Ion Ratio Lower Upper
 82 100
 128 47.2 41.8 62.8
 54 45.8 33.4 50.0

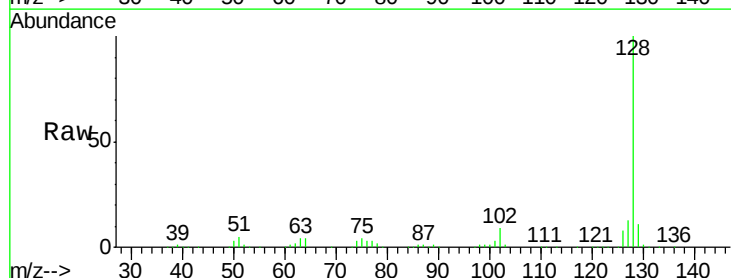


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

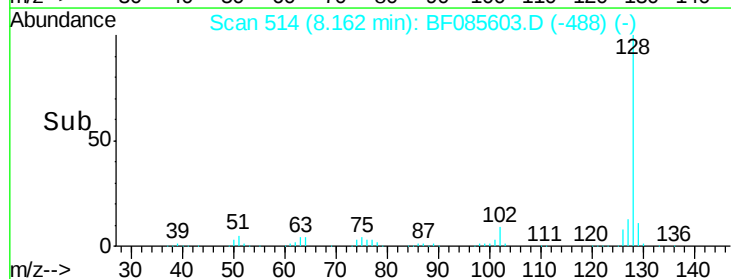
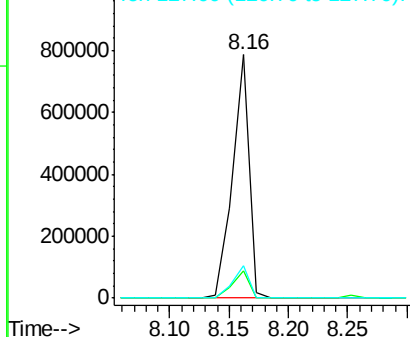


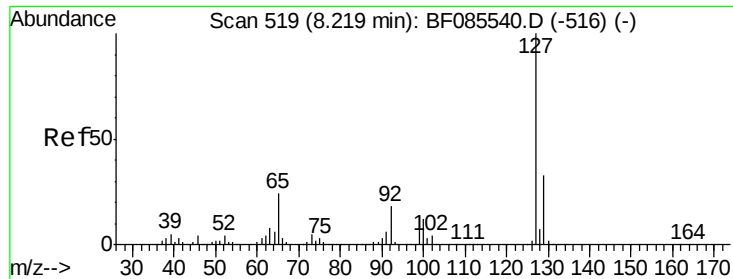
#31
 Naphthalene
 Concen: 22.88 ng
 RT: 8.16 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: BF085603.D
 Acq: 20 Mar 2016 7:35

Tgt Ion: 128 Resp: 763044
 Ion Ratio Lower Upper
 128 100
 129 11.1 9.4 14.0
 127 13.3 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

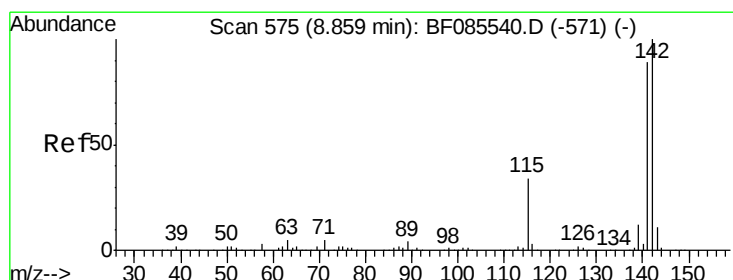
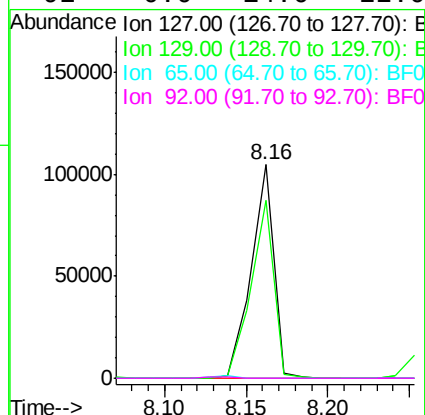
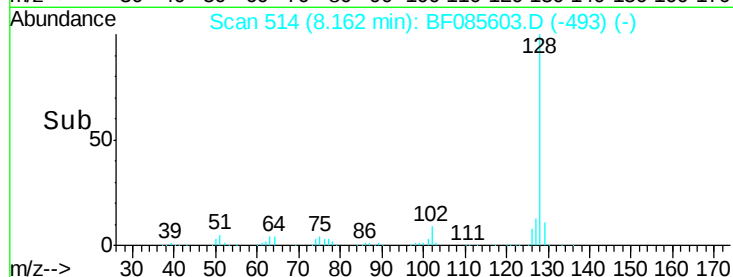
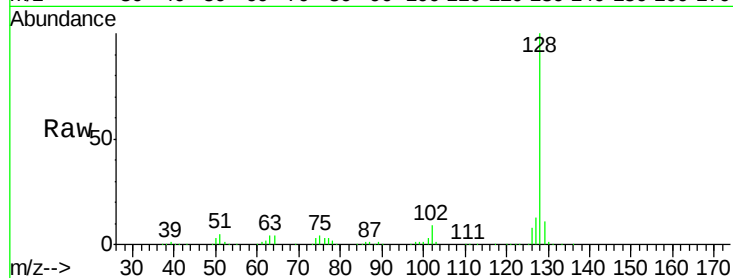




#33
4-Chloroaniline
Concen: 7.38 ng
RT: 8.16 min Scan# 514
Delta R.T. -0.06 min
Lab File: BF085603.D
Acq: 20 Mar 2016 7:35

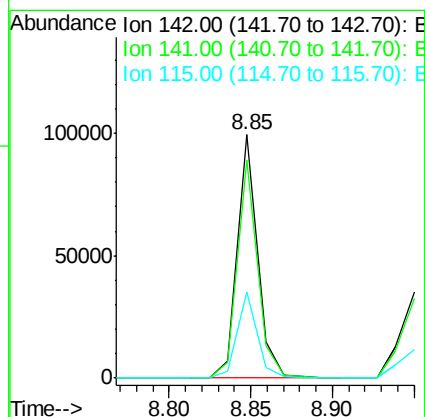
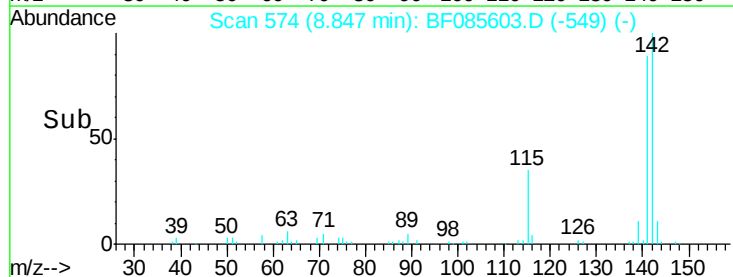
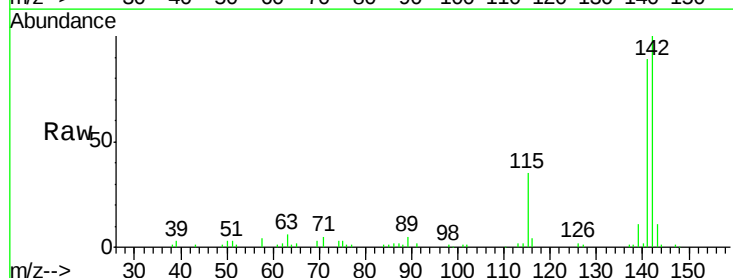
Instrument :
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TRACK-D-GRID-9A

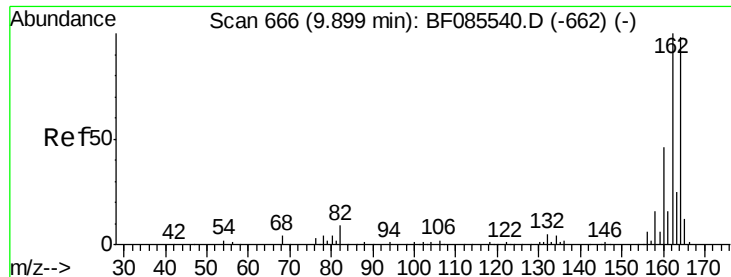
Tgt Ion:	127	Resp:	100812
Ion	Ratio	Lower	Upper
127	100		
129	83.3	26.1	39.1#
65	0.0	19.5	29.3#
92	0.0	14.6	22.0#



#37
2-Methylnaphthalene
Concen: 4.17 ng
RT: 8.85 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF085603.D
Acq: 20 Mar 2016 7:35

Tgt Ion:	142	Resp:	84788
Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.6	107.4
115	35.2	26.8	40.2

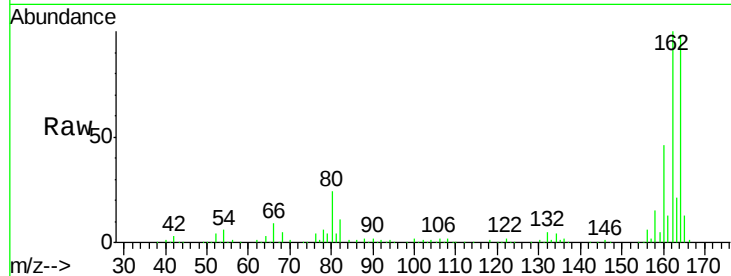




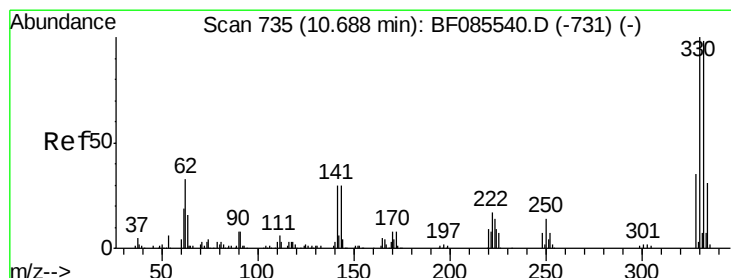
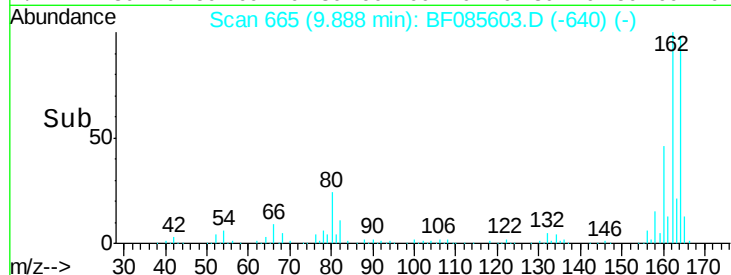
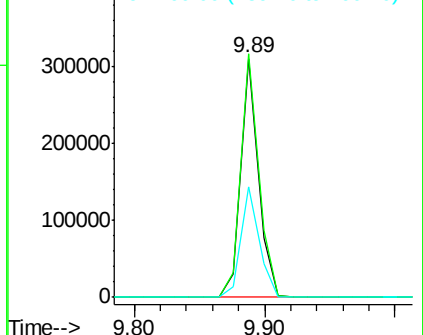
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: BF085603.D
 Acq: 20 Mar 2016 7:35

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-9A

Tgt Ion:164 Resp: 289982
 Ion Ratio Lower Upper
 164 100
 162 102.0 82.1 123.1
 160 46.4 37.4 56.2

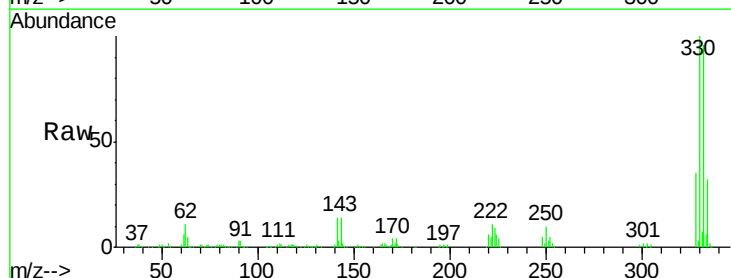


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

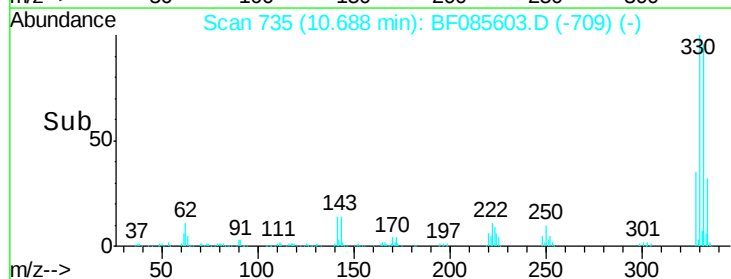
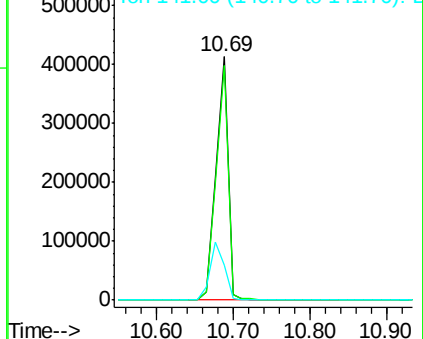


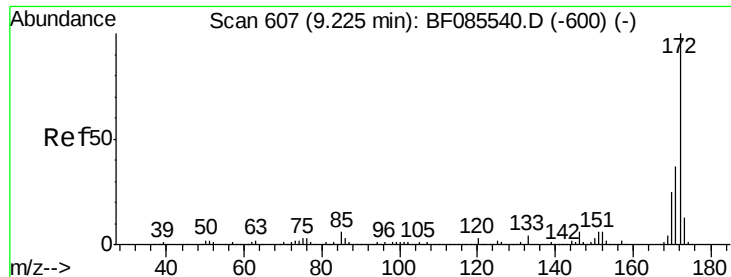
#41
 2,4,6-Tribromophenol
 Concen: 158.28 ng
 RT: 10.69 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: BF085603.D
 Acq: 20 Mar 2016 7:35

Tgt Ion:330 Resp: 449615
 Ion Ratio Lower Upper
 330 100
 332 96.1 78.2 117.2
 141 28.5 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

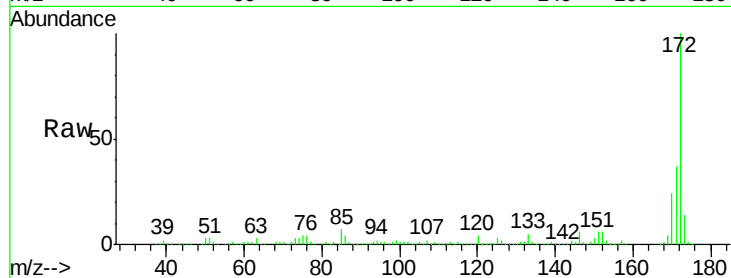




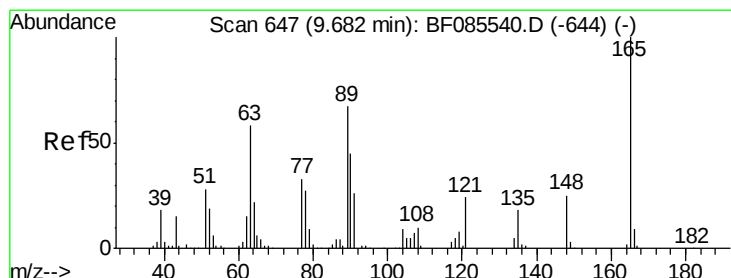
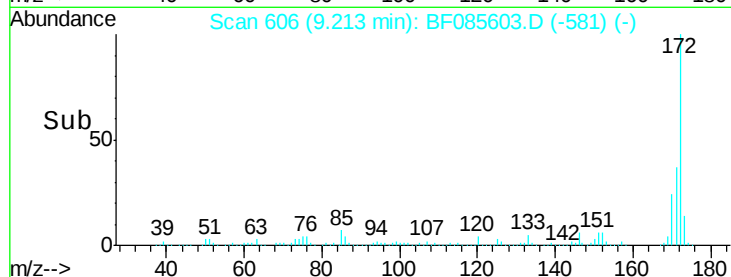
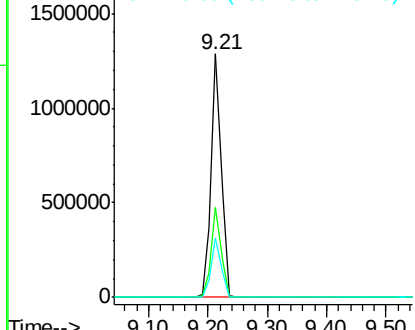
#44
 2-Fluorobiphenyl
 Concen: 91.32 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF085603.D
 Acq: 20 Mar 2016 7:35

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-9A

Tgt Ion:172 Resp: 1523472
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.2
 170 24.4 19.8 29.6

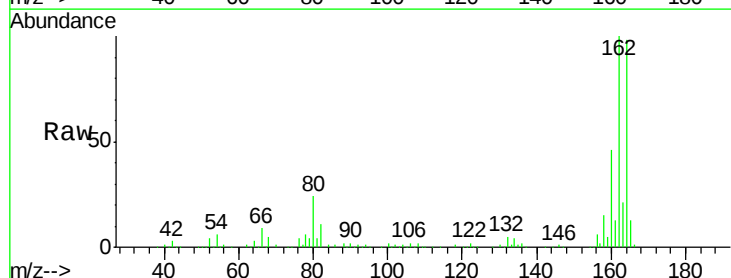


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

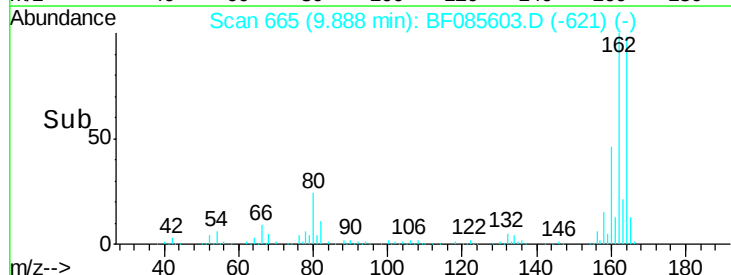
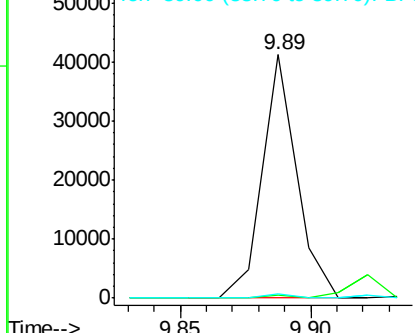


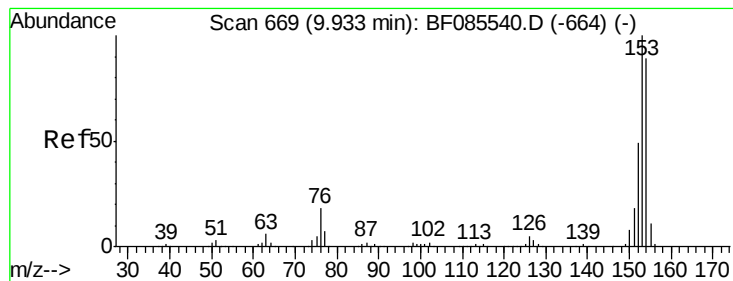
#50
 2,6-Dinitrotoluene
 Concen: 8.10 ng
 RT: 9.89 min Scan# 665
 Delta R.T. 0.21 min
 Lab File: BF085603.D
 Acq: 20 Mar 2016 7:35

Tgt Ion:165 Resp: 37401
 Ion Ratio Lower Upper
 165 100
 63 1.0 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





#51

Acenaphthene

Concen: 2.50 ng

RT: 9.92 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF085603.D

Acq: 20 Mar 2016 7:35

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-9A

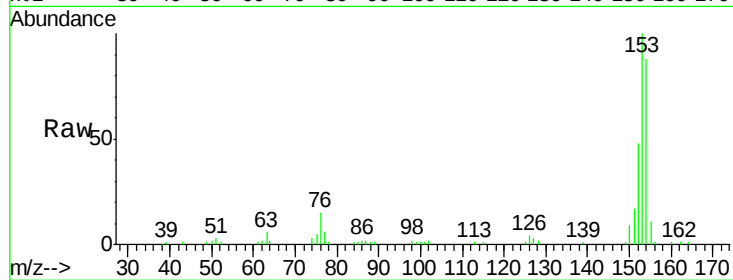
Tgt Ion:154 Resp: 46453

Ion Ratio Lower Upper

154 100

153 114.1 90.1 135.1

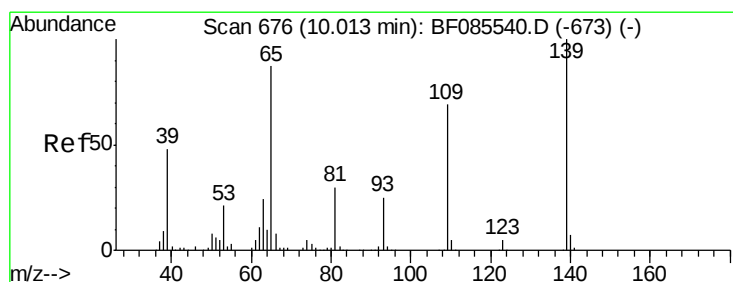
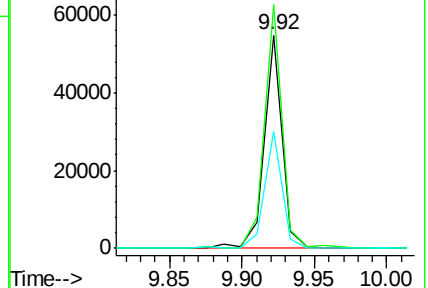
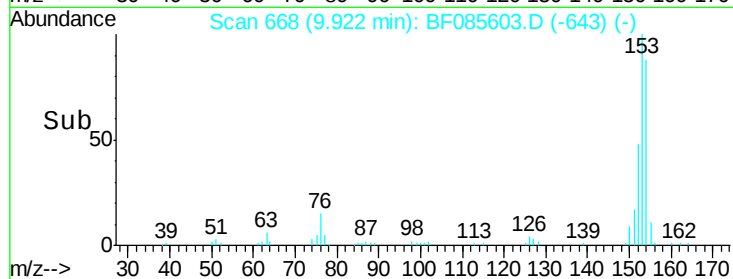
152 54.6 44.2 66.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 3.51 ng

RT: 10.09 min Scan# 683

Delta R.T. 0.08 min

Lab File: BF085603.D

Acq: 20 Mar 2016 7:35

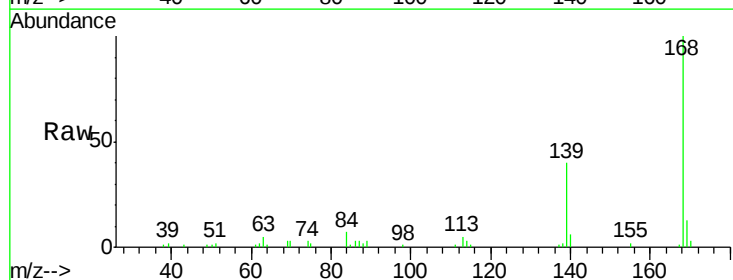
Tgt Ion:139 Resp: 15707

Ion Ratio Lower Upper

139 100

109 0.0 49.2 89.2#

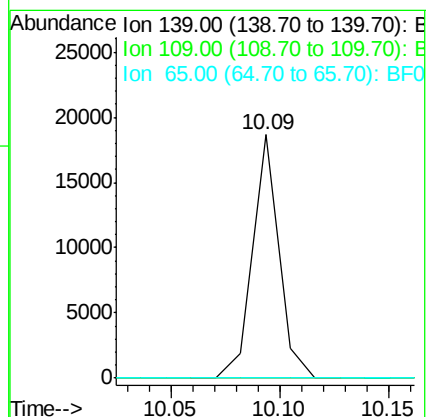
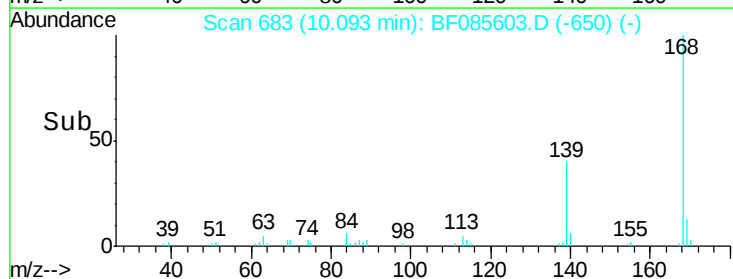
65 0.0 66.9 106.9#

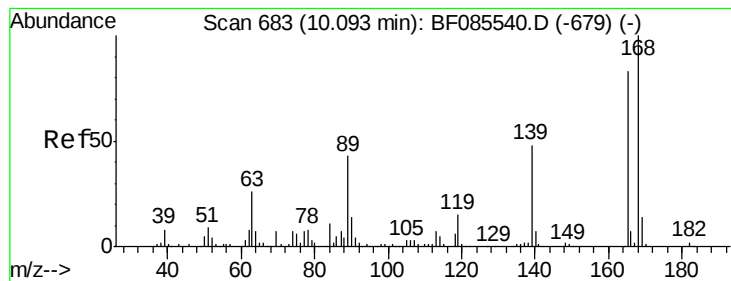


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

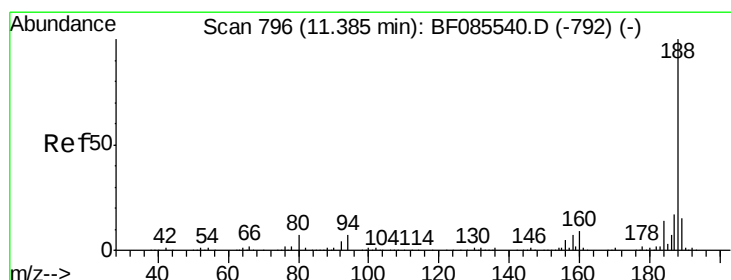
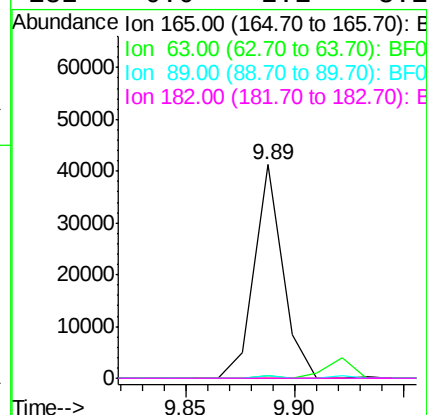
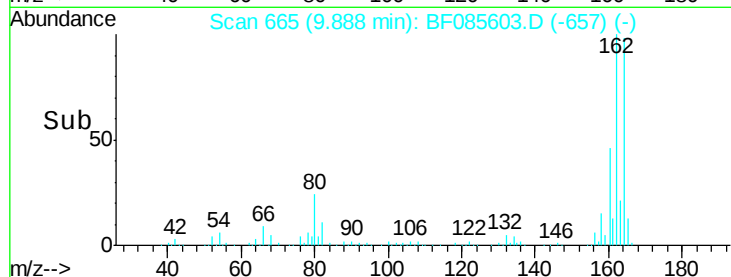
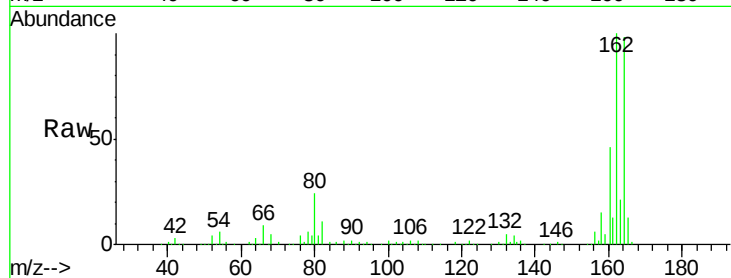




#56
 2,4-Dinitrotoluene
 Concen: 6.18 ng
 RT: 9.89 min Scan# 665
 Delta R.T. -0.21 min
 Lab File: BF085603.D
 Acq: 20 Mar 2016 7:35

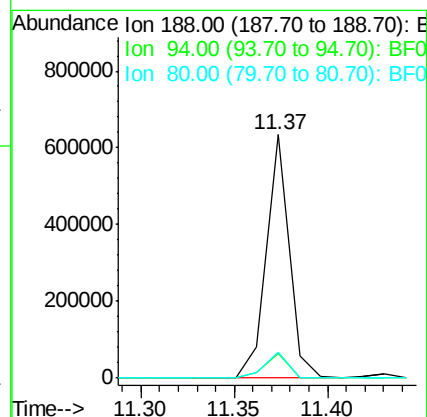
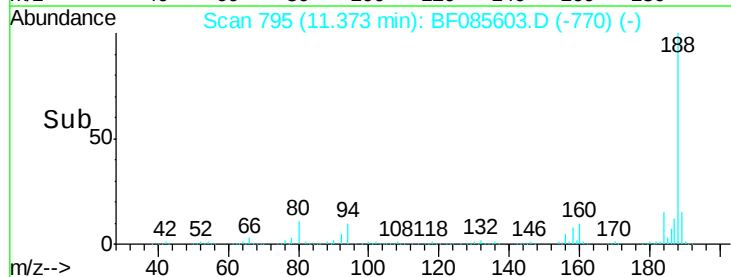
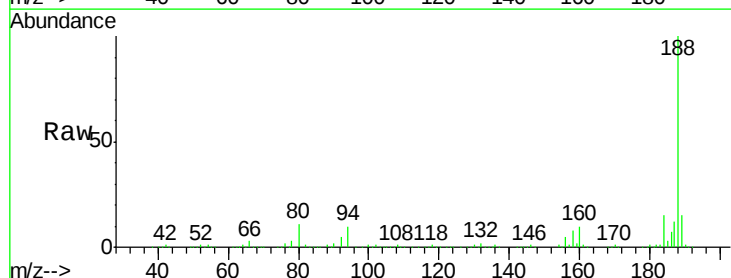
Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-9A

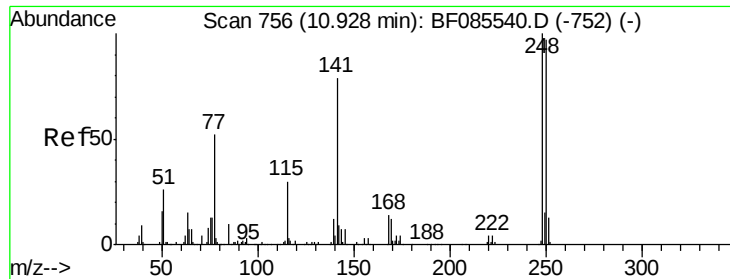
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	24.9	37.3#
89	1.5	41.0	61.6#
182	0.0	2.1	3.1#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF085603.D
 Acq: 20 Mar 2016 7:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	5.4	8.0#
80	10.5	5.5	8.3#

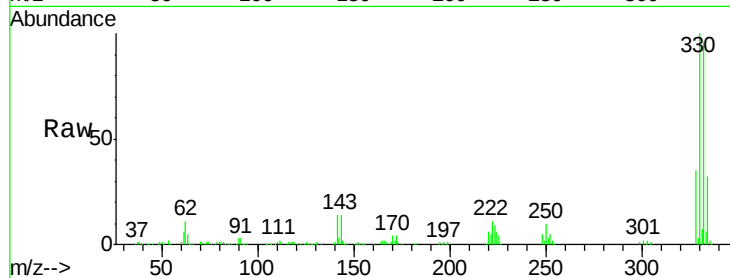




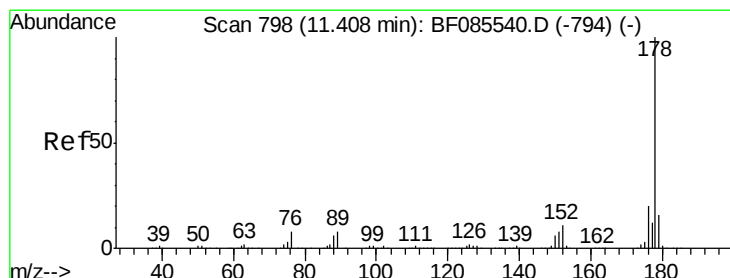
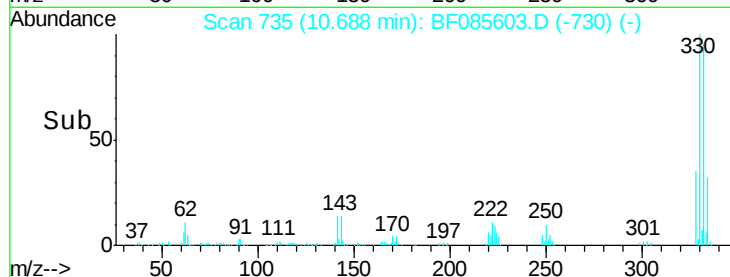
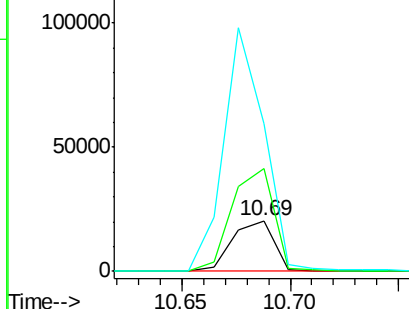
#66
 4-Bromophenyl-phenylether
 Concen: 5.04 ng
 RT: 10.69 min Scan# 735
 Delta R.T. -0.24 min
 Lab File: BF085603.D
 Acq: 20 Mar 2016 7:35

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-9A

Tgt Ion:248 Resp: 26889
 Ion Ratio Lower Upper
 248 100
 250 203.8 77.4 116.0#
 141 291.3 63.6 95.4#

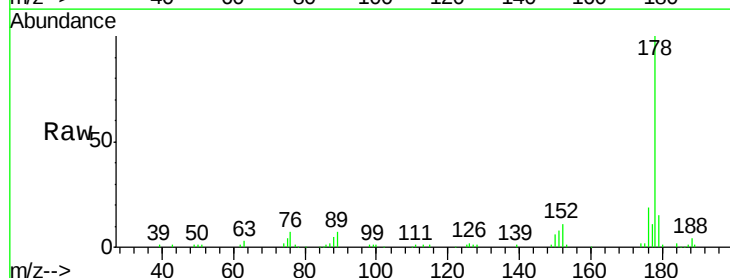


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

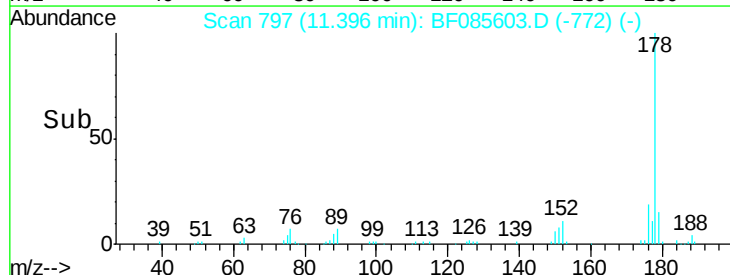
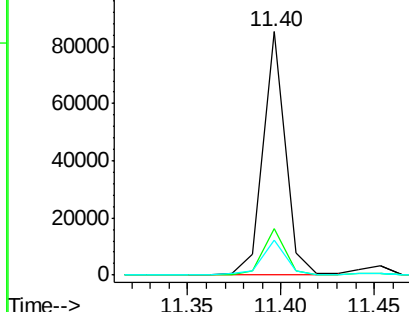


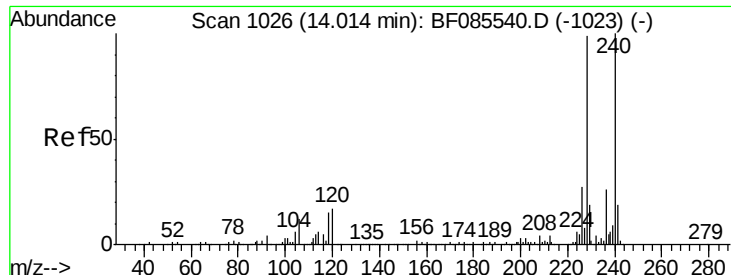
#70
 Phenanthrene
 Concen: 2.48 ng
 RT: 11.40 min Scan# 797
 Delta R.T. -0.01 min
 Lab File: BF085603.D
 Acq: 20 Mar 2016 7:35

Tgt Ion:178 Resp: 69953
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.3 24.5
 179 14.6 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085603.D

Acq: 20 Mar 2016 7:35

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-9A

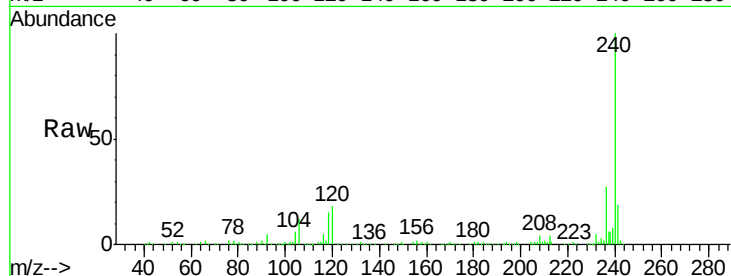
Tgt Ion:240 Resp: 331584

Ion Ratio Lower Upper

240 100

120 17.6 13.8 20.8

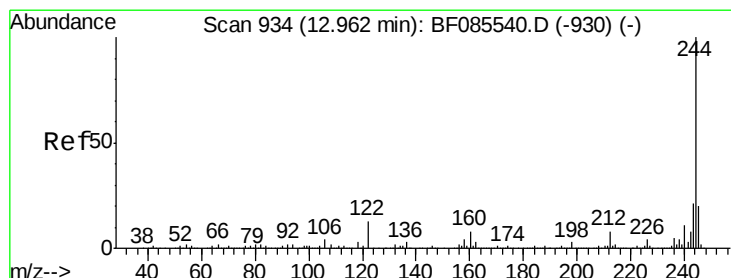
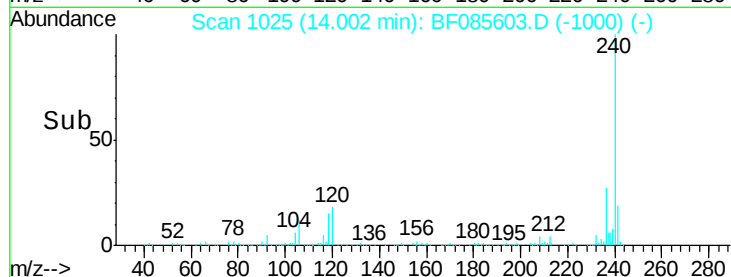
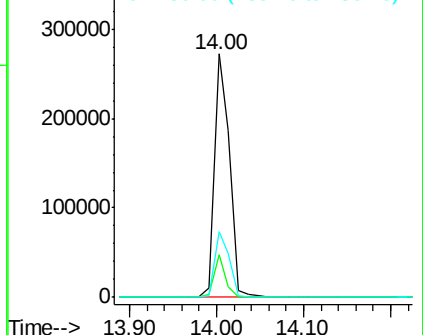
236 26.8 20.6 30.8



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



#78

Terphenyl-d14

Concen: 100.38 ng

RT: 12.96 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF085603.D

Acq: 20 Mar 2016 7:35

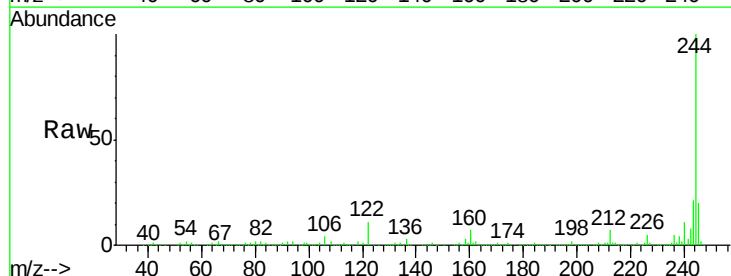
Tgt Ion:244 Resp: 1383144

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

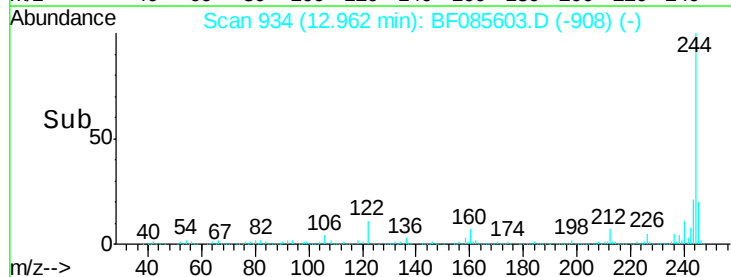
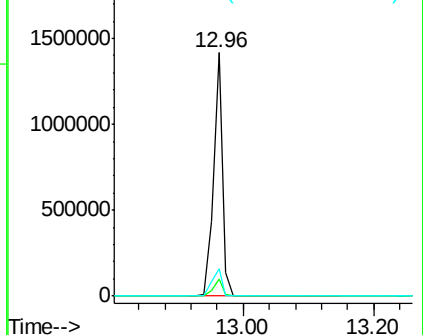
122 11.0 10.2 15.4

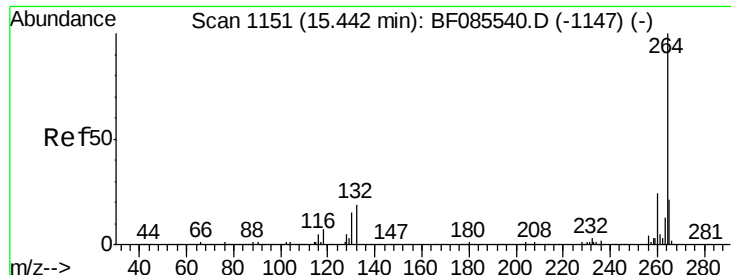


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

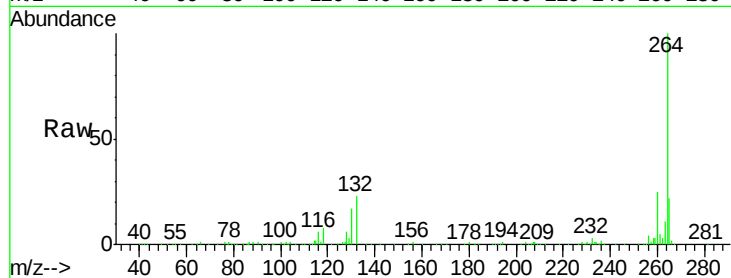




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF085603.D
Acq: 20 Mar 2016 7:35

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-9A

Tgt Ion: 264 Resp: 284371
Ion Ratio Lower Upper
264 100
260 24.7 19.4 29.2
265 22.2 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

