

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030216\
 Data File : BF085147.D
 Acq On : 3 Mar 2016 4:11
 Operator : SJ/IZ
 Sample : H1623-12
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-39-022516

Quant Time: Mar 03 04:50:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 02 13:25:39 2016
 Response via : Initial Calibration

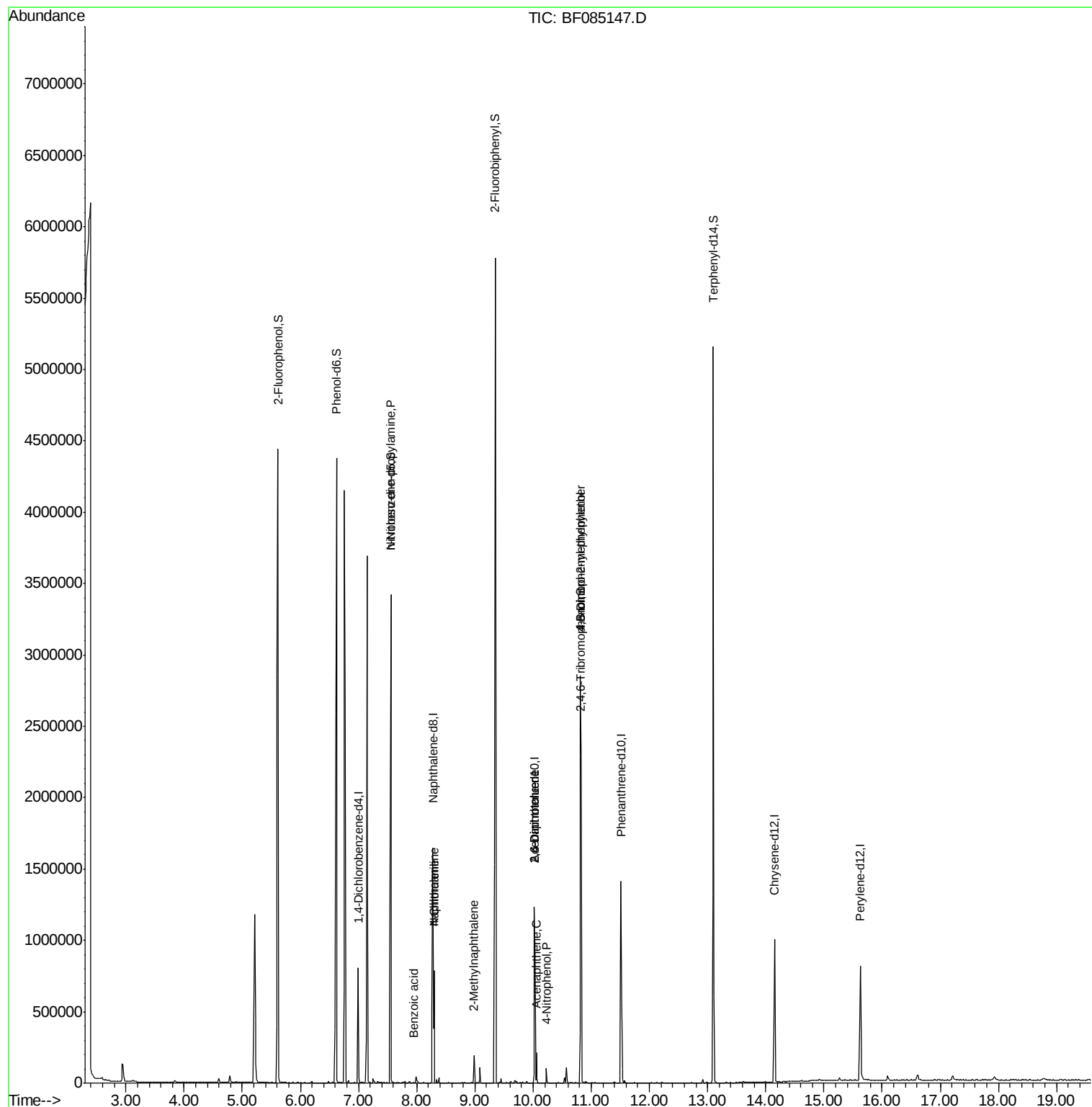
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	176878	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	737606	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	315904	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	548727	20.00	ng	0.00
75) Chrysene-d12	14.15	240	369866	20.00	ng	0.00
86) Perylene-d12	15.63	264	370752	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1544033	141.72	ng	0.03
7) Phenol-d6	6.62	99	1858871	130.15	ng	0.00
23) Nitrobenzene-d5	7.56	82	1363985	98.38	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	578365	182.18	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	1853989	86.43	ng	0.00
78) Terphenyl-d14	13.10	244	1604191	101.74	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	2572	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.56	70	185551	19.71 ng	#	4
31) Naphthalene	8.30	128	391609	10.50 ng	#	77
32) Benzoic acid	7.96	122	714	12.48 ng		97
33) 4-Chloroaniline	8.30	127	50079	3.40 ng	#	88
37) 2-Methylnaphthalene	8.98	142	48028	2.11 ng		31
50) 2,6-Dinitrotoluene	10.02	165	40747	8.39 ng	#	98
51) Acenaphthene	10.06	154	44429	2.33 ng		22
55) 4-Nitrophenol	10.23	139	14330	3.24 ng	#	98
56) 2,4-Dinitrotoluene	10.02	165	40751	6.23 ng	#	98
64) 4,6-Dinitro-2-methylphenol	10.81	198	1304	7.54 ng	#	23
66) 4-Bromophenyl-phenylether	10.81	248	32813	5.70 ng	#	19

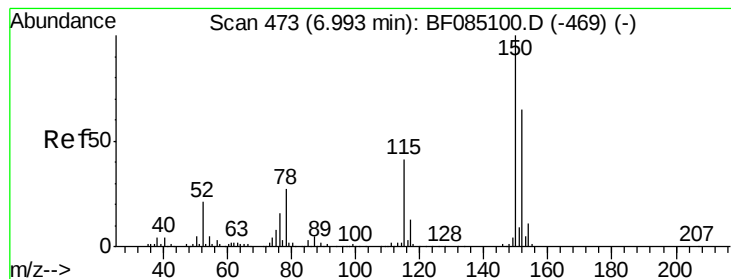
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.00 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF085147.D

Acq: 3 Mar 2016 4:11

Instrument :

BNA_F

ClientSampleId :

HSR-WC-39-022516

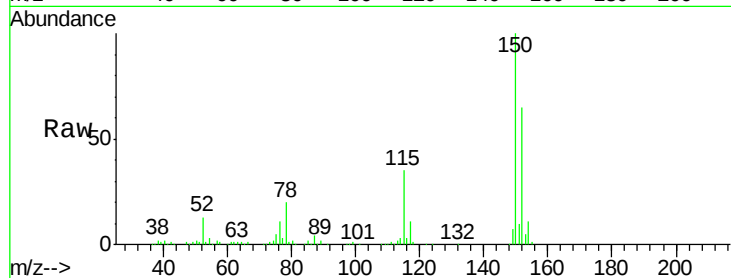
Tgt Ion:152 Resp: 176878

Ion Ratio Lower Upper

152 100

150 154.3 123.4 185.0

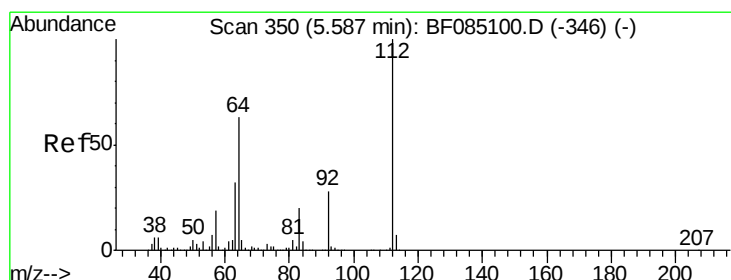
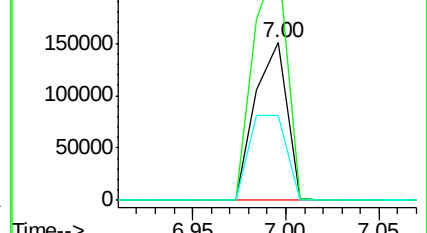
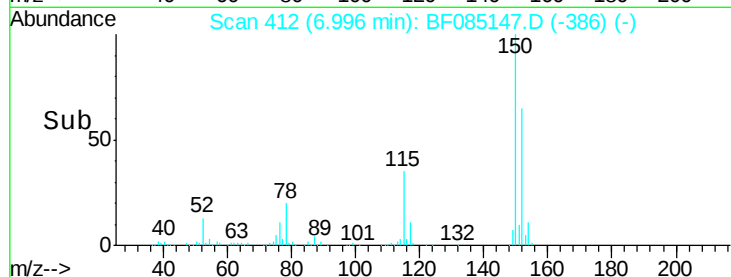
115 53.9 50.0 75.0



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: 141.72 ng

RT: 5.61 min Scan# 291

Delta R.T. 0.03 min

Lab File: BF085147.D

Acq: 3 Mar 2016 4:11

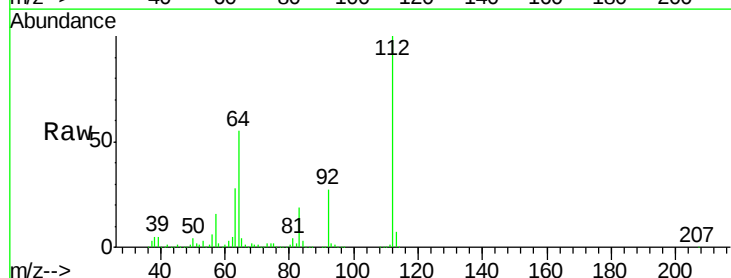
Tgt Ion:112 Resp: 1544033

Ion Ratio Lower Upper

112 100

64 54.5 50.6 76.0

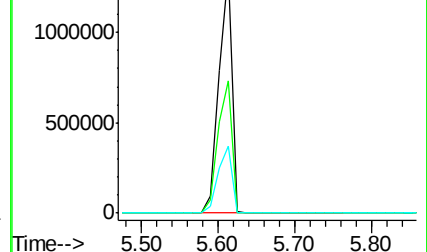
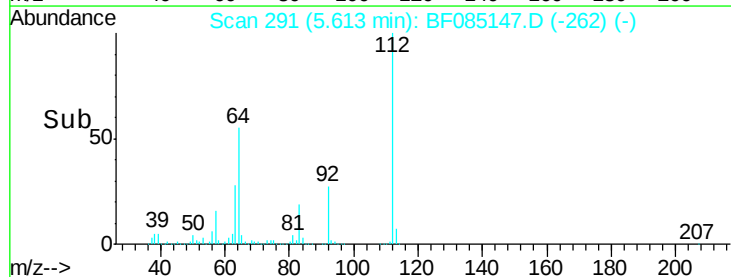
63 27.7 25.5 38.3

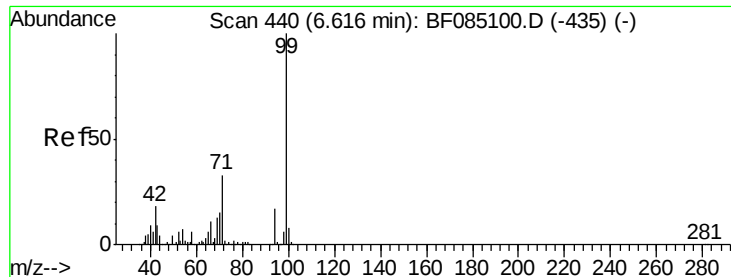


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 130.15 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF085147.D

Acq: 3 Mar 2016 4:11

Instrument :

BNA_F

ClientSampleId :

HSR-WC-39-022516

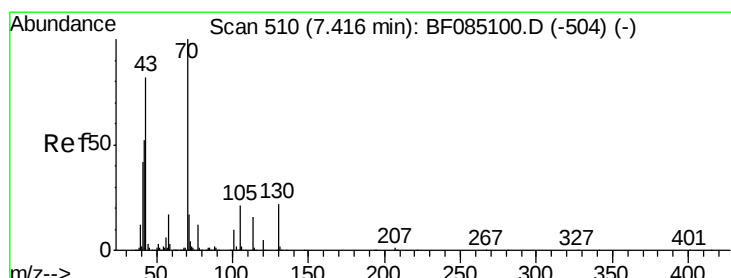
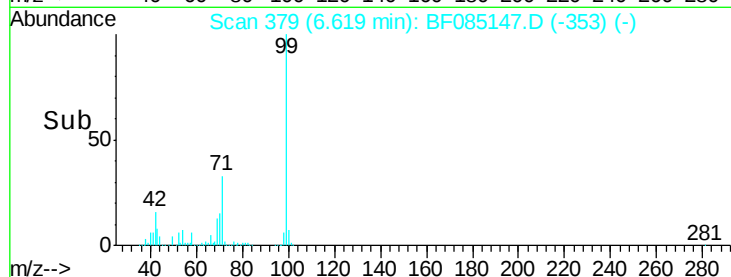
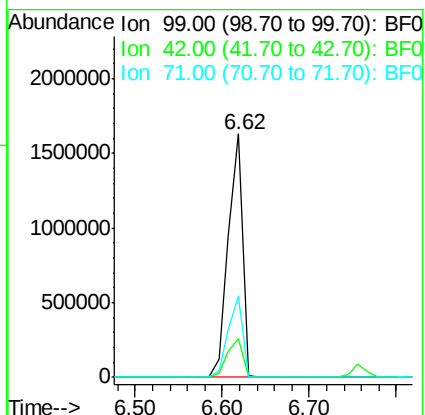
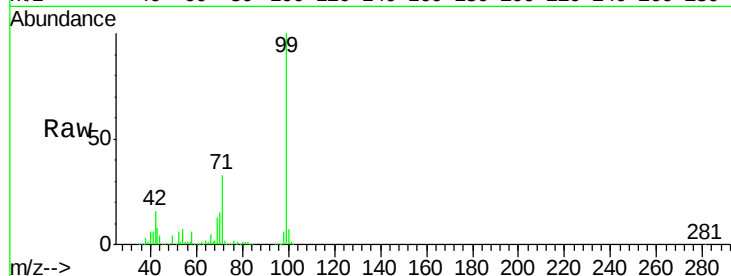
Tgt Ion: 99 Resp: 1858871

Ion Ratio Lower Upper

99 100

42 16.0 14.1 21.1

71 33.3 26.8 40.2



#19

n-Nitroso-di-n-propylamine

Concen: 19.71 ng

RT: 7.56 min Scan# 461

Delta R.T. 0.14 min

Lab File: BF085147.D

Acq: 3 Mar 2016 4:11

Tgt Ion: 70 Resp: 185551

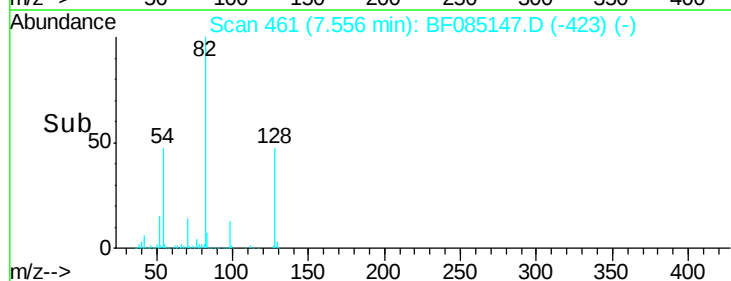
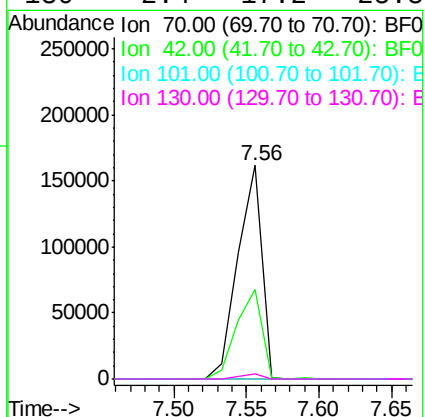
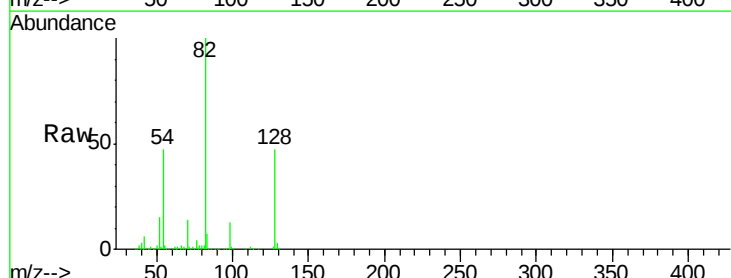
Ion Ratio Lower Upper

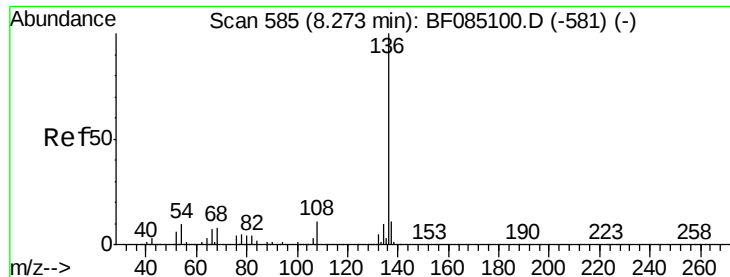
70 100

42 42.1 41.9 62.9

101 0.0 7.8 11.8#

130 2.4 17.2 25.8#

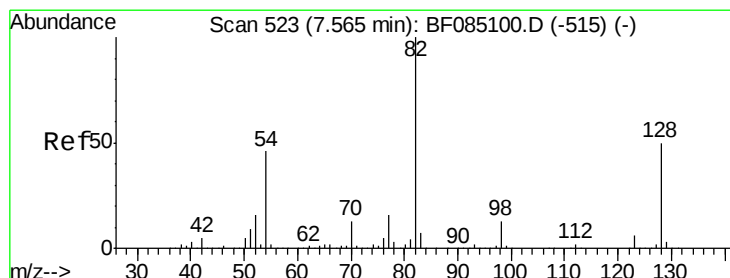
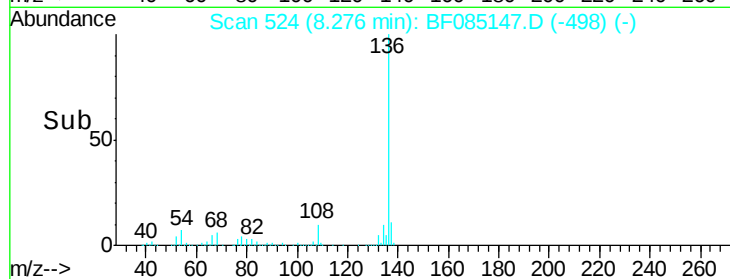
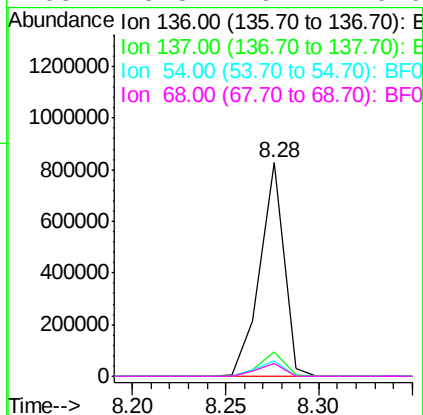
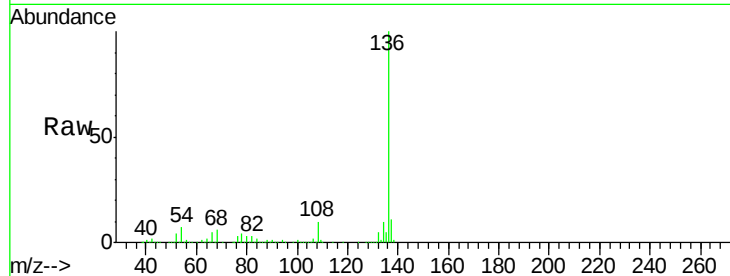




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.28 min Scan# 524
Delta R.T. 0.00 min
Lab File: BF085147.D
Acq: 3 Mar 2016 4:11

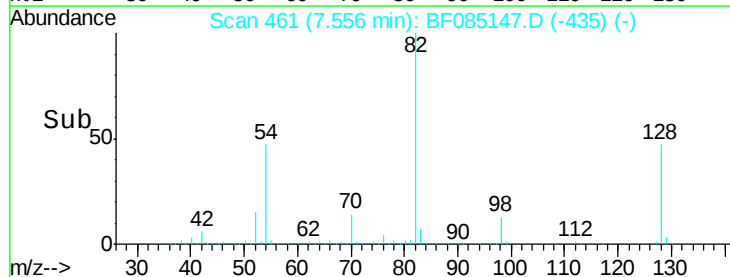
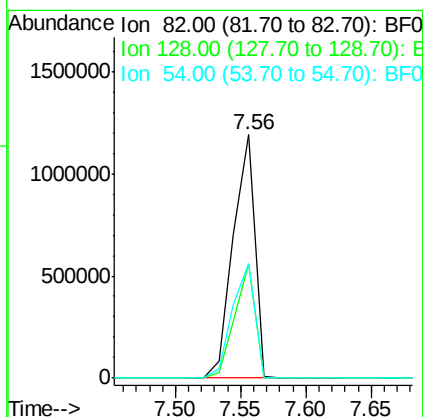
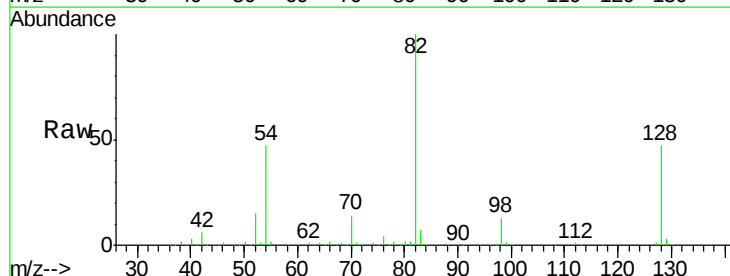
Instrument :
BNA_F
ClientSampleId :
HSR-WC-39-022516

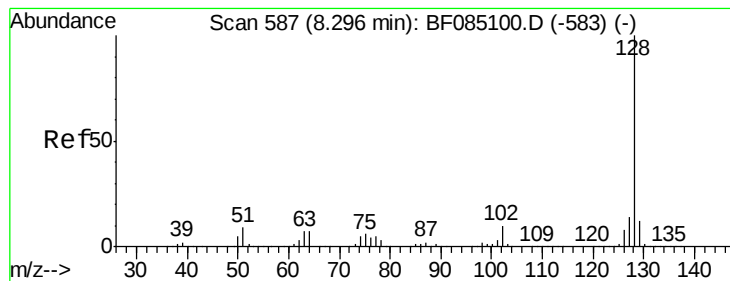
Tgt Ion:	136	Resp:	737606
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	7.0	8.5	12.7#
68	5.8	6.4	9.6#



#23
Nitrobenzene-d5
Concen: 98.38 ng
RT: 7.56 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF085147.D
Acq: 3 Mar 2016 4:11

Tgt Ion:	82	Resp:	1363985
Ion	Ratio	Lower	Upper
82	100		
128	47.2	39.8	59.6
54	47.0	36.6	54.8





#31

Naphthalene

Concen: 10.50 ng

RT: 8.30 min Scan# 526

Delta R.T. 0.00 min

Lab File: BF085147.D

Acq: 3 Mar 2016 4:11

Instrument :

BNA_F

ClientSampleId :

HSR-WC-39-022516

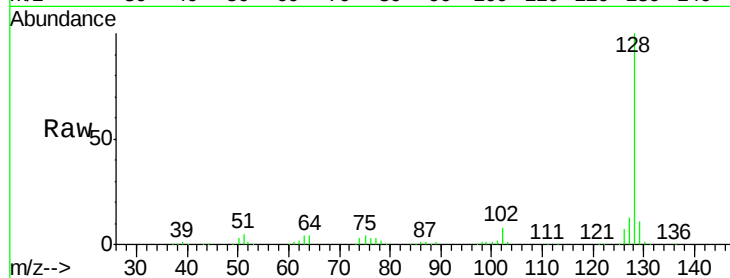
Tgt Ion:128 Resp: 391609

Ion Ratio Lower Upper

128 100

129 10.9 9.7 14.5

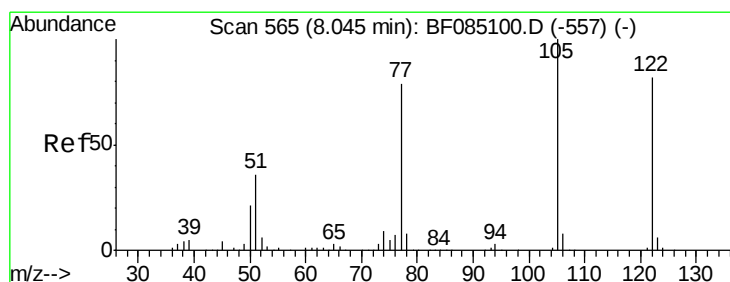
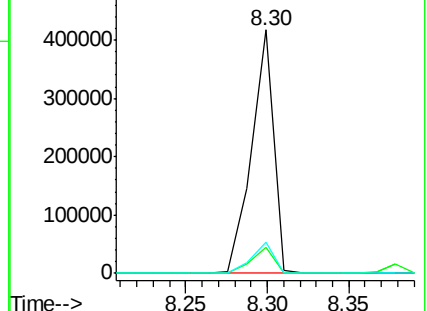
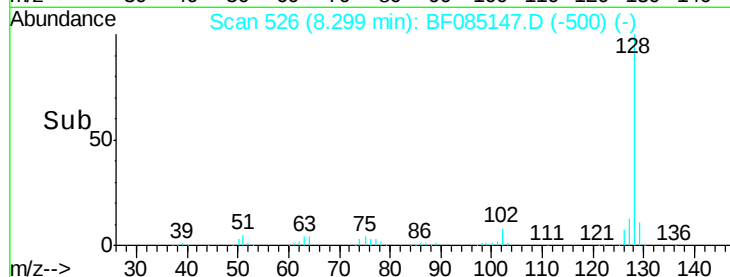
127 12.9 11.1 16.7



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



#32

Benzoic acid

Concen: 12.48 ng

RT: 7.96 min Scan# 496

Delta R.T. -0.09 min

Lab File: BF085147.D

Acq: 3 Mar 2016 4:11

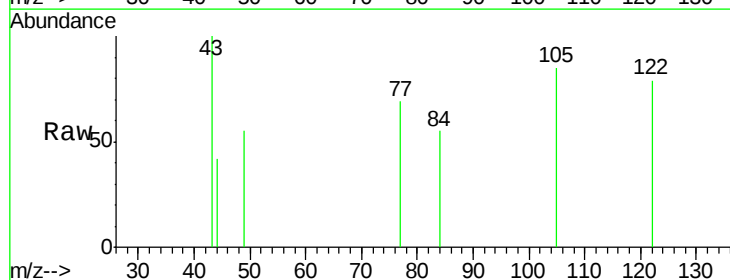
Tgt Ion:122 Resp: 714

Ion Ratio Lower Upper

122 100

105 107.2 102.0 142.0

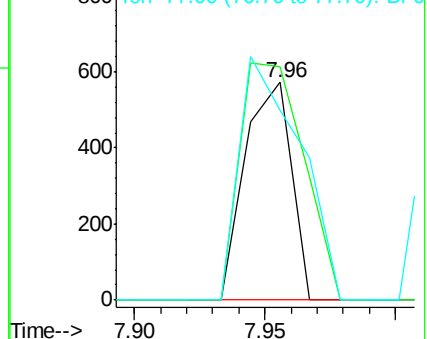
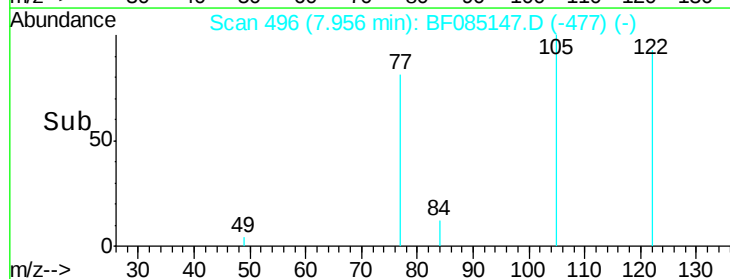
77 87.3 76.8 116.8

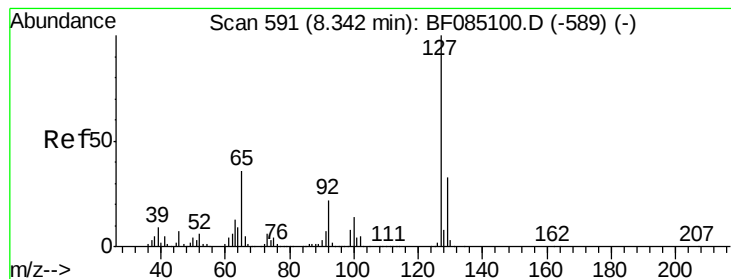


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 3.40 ng

RT: 8.30 min Scan# 526

Delta R.T. -0.04 min

Lab File: BF085147.D

Acq: 3 Mar 2016 4:11

Instrument :

BNA_F

ClientSampleId :

HSR-WC-39-022516

Tgt Ion:127 Resp: 50079

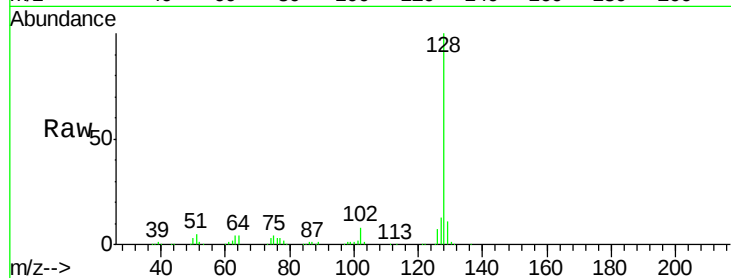
Ion Ratio Lower Upper

127 100

129 85.1 26.3 39.5#

65 0.0 28.6 43.0#

92 0.0 17.8 26.8#

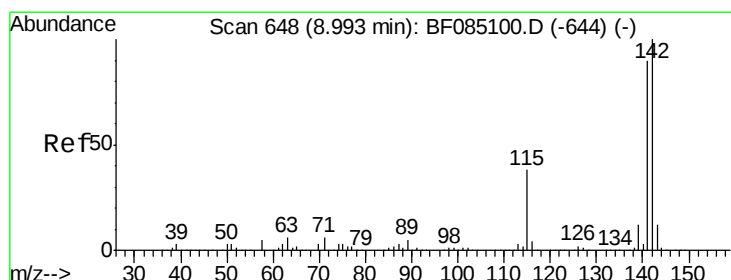
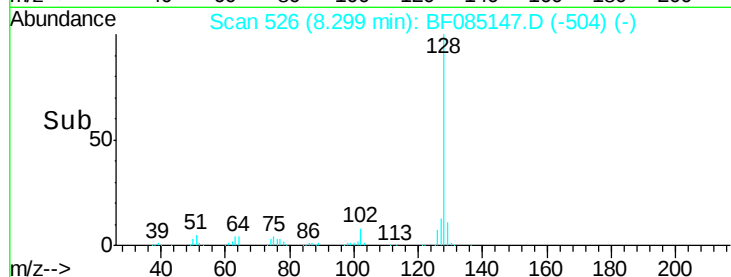
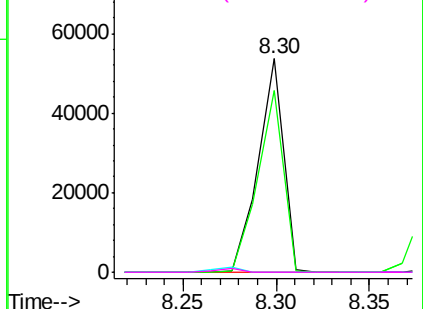


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#37

2-Methylnaphthalene

Concen: 2.11 ng

RT: 8.98 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF085147.D

Acq: 3 Mar 2016 4:11

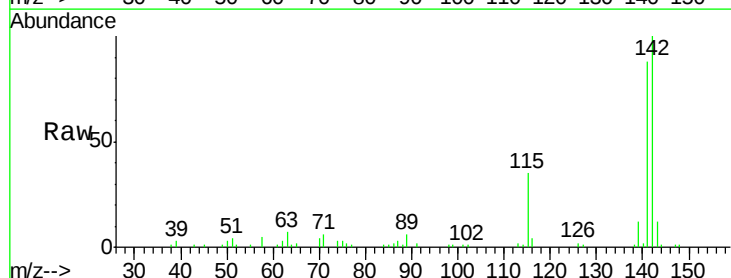
Tgt Ion:142 Resp: 48028

Ion Ratio Lower Upper

142 100

141 88.1 71.7 107.5

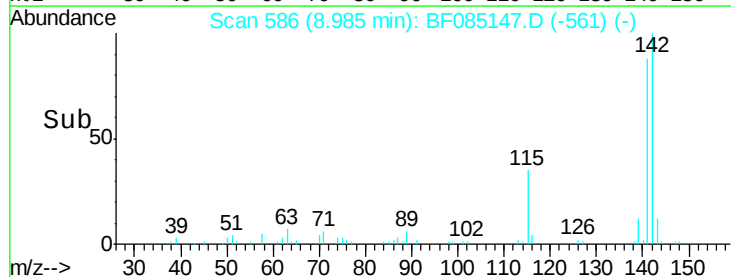
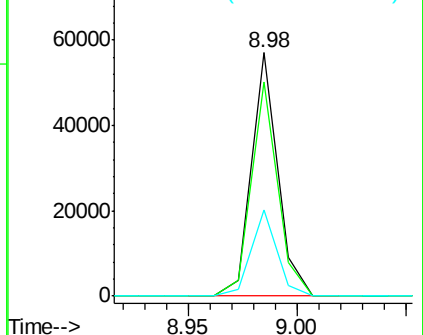
115 35.4 30.1 45.1

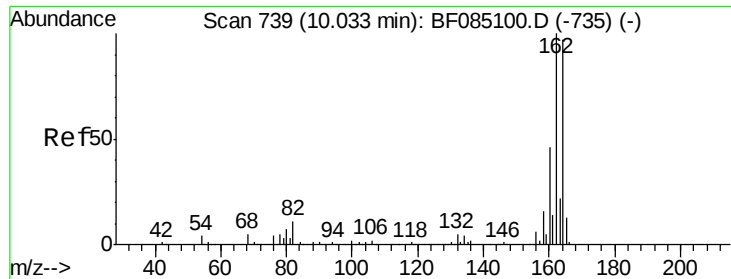


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

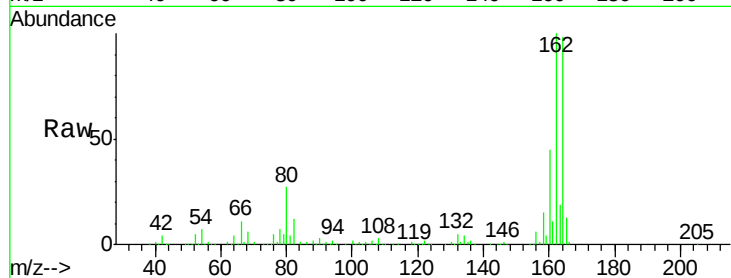




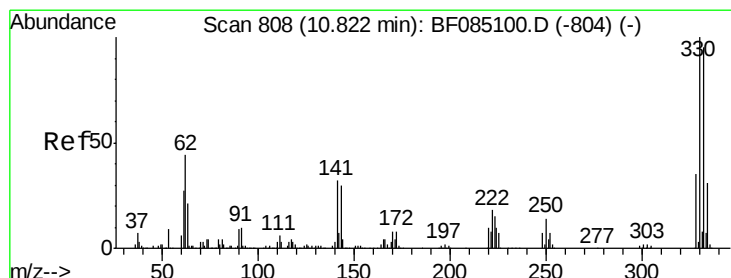
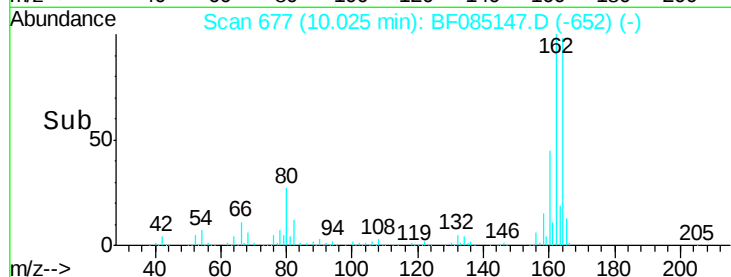
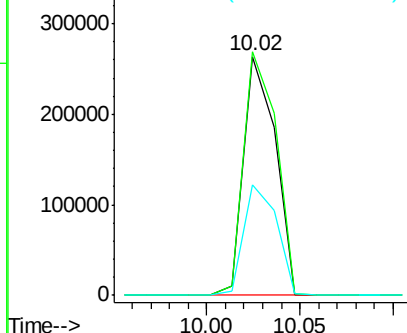
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.02 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: BF085147.D
 Acq: 3 Mar 2016 4:11

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-39-022516

Tgt Ion:164 Resp: 315904
 Ion Ratio Lower Upper
 164 100
 162 102.0 82.6 123.8
 160 46.1 38.2 57.2

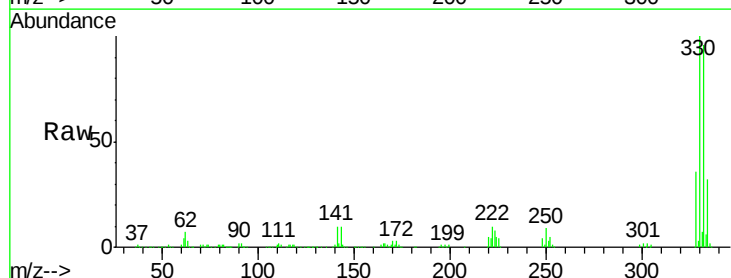


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

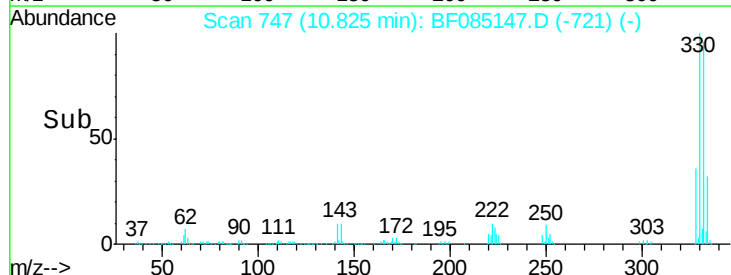
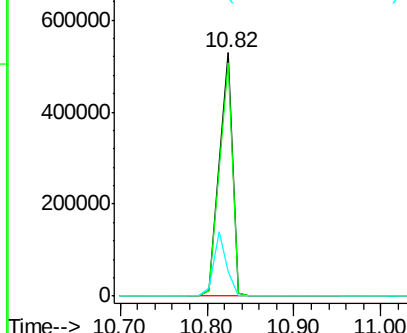


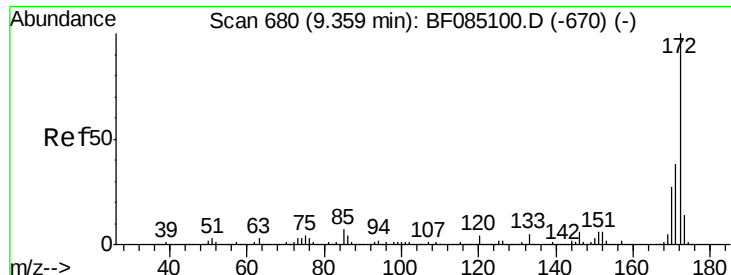
#41
 2,4,6-Tribromophenol
 Concen: 182.18 ng
 RT: 10.82 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF085147.D
 Acq: 3 Mar 2016 4:11

Tgt Ion:330 Resp: 578365
 Ion Ratio Lower Upper
 330 100
 332 95.7 75.9 113.9
 141 25.5 28.9 43.3#



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

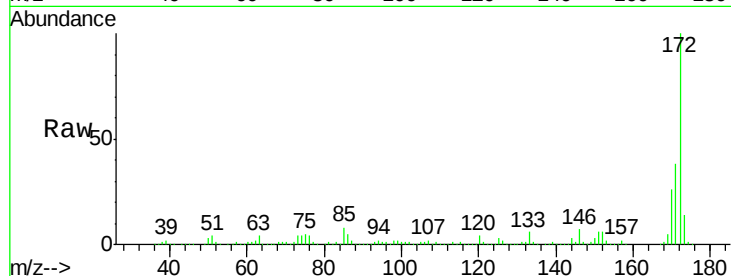




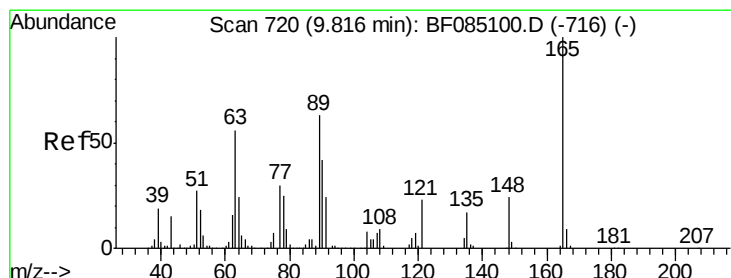
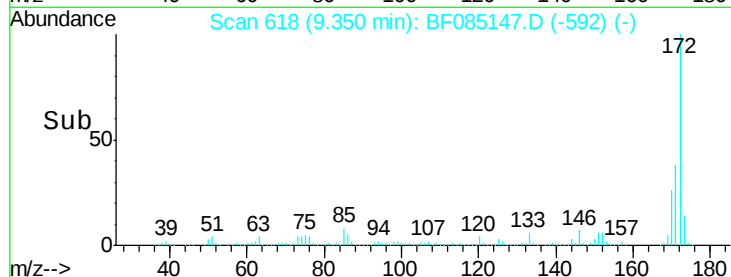
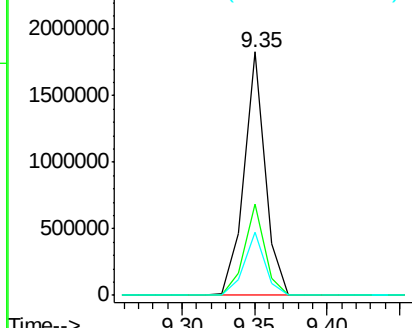
#44
 2-Fluorobiphenyl
 Concen: 86.43 ng
 RT: 9.35 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF085147.D
 Acq: 3 Mar 2016 4:11

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-39-022516

Tgt Ion:172 Resp: 1853989
 Ion Ratio Lower Upper
 172 100
 171 37.6 30.5 45.7
 170 25.8 21.2 31.8

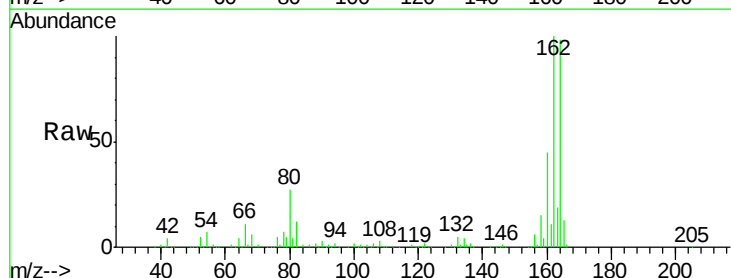


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

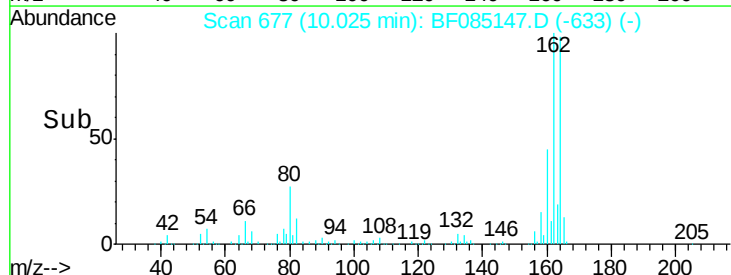
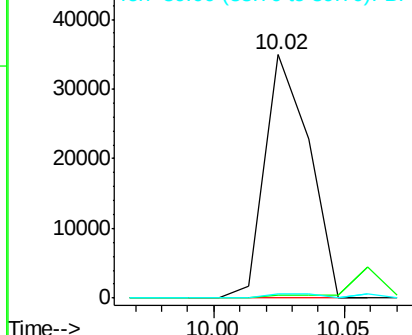


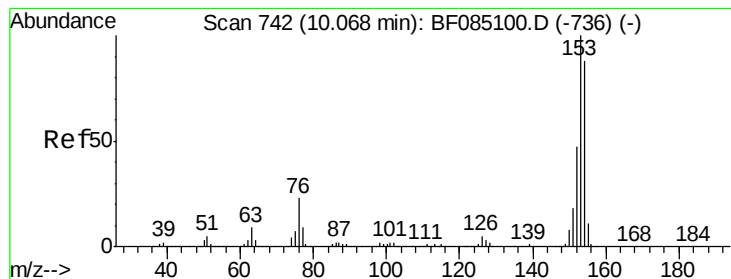
#50
 2,6-Dinitrotoluene
 Concen: 8.39 ng
 RT: 10.02 min Scan# 677
 Delta R.T. 0.21 min
 Lab File: BF085147.D
 Acq: 3 Mar 2016 4:11

Tgt Ion:165 Resp: 40747
 Ion Ratio Lower Upper
 165 100
 63 1.4 47.4 71.2#
 89 1.9 50.2 75.2#



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: 2.33 ng

RT: 10.06 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF085147.D

Acq: 3 Mar 2016 4:11

Instrument :

BNA_F

ClientSampleId :

HSR-WC-39-022516

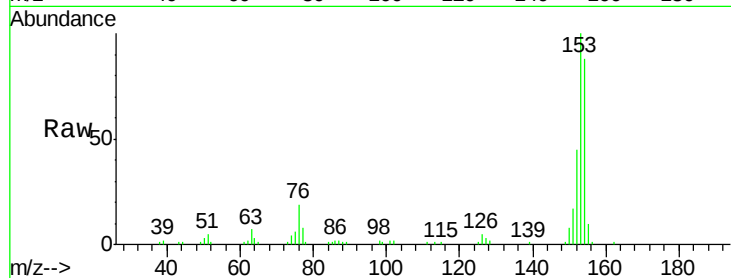
Tgt Ion:154 Resp: 44429

Ion Ratio Lower Upper

154 100

153 113.2 91.0 136.6

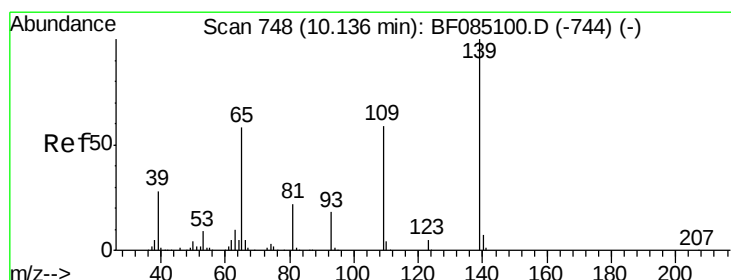
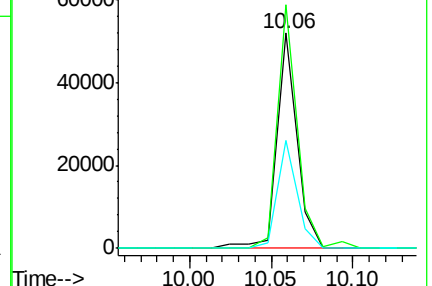
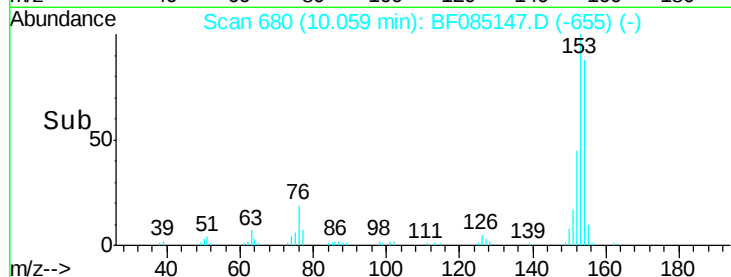
152 50.4 43.0 64.6



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: 3.24 ng

RT: 10.23 min Scan# 695

Delta R.T. 0.09 min

Lab File: BF085147.D

Acq: 3 Mar 2016 4:11

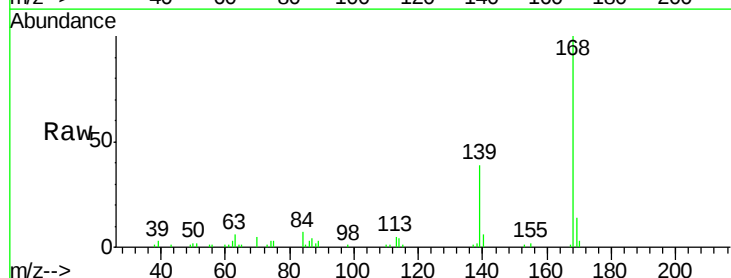
Tgt Ion:139 Resp: 14330

Ion Ratio Lower Upper

139 100

109 0.0 39.5 79.5#

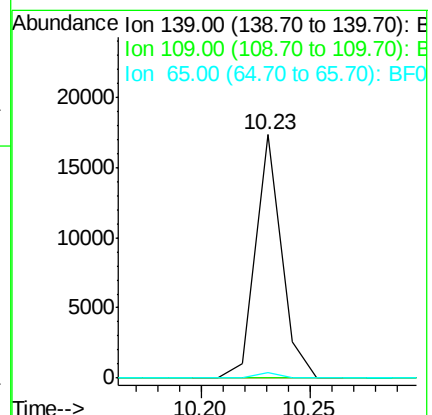
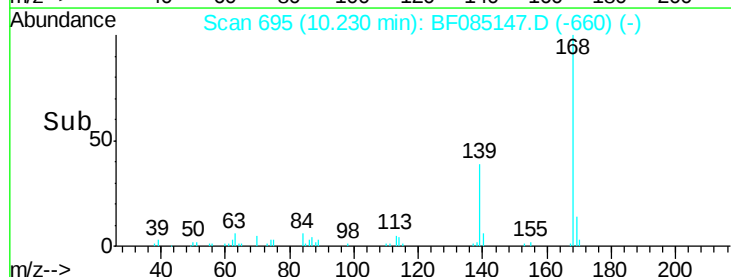
65 2.1 38.4 78.4#

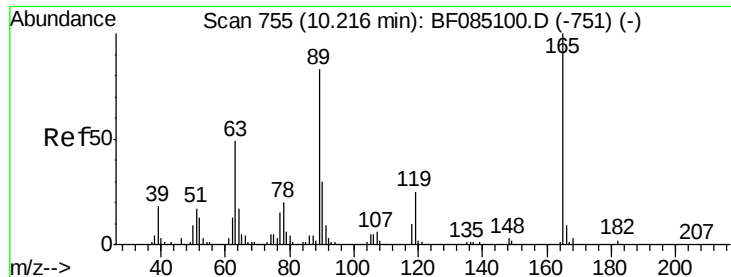


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

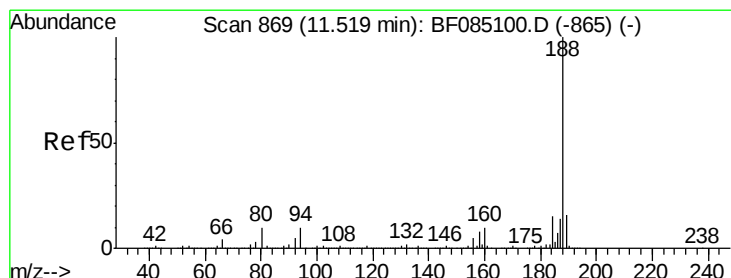
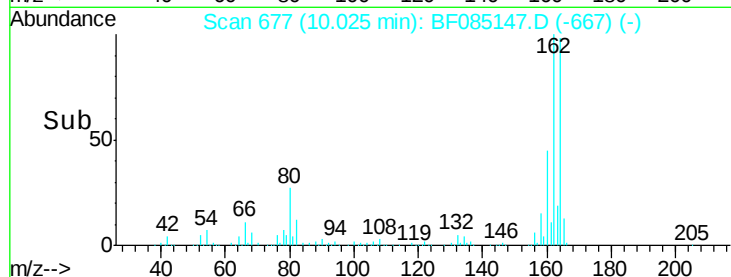
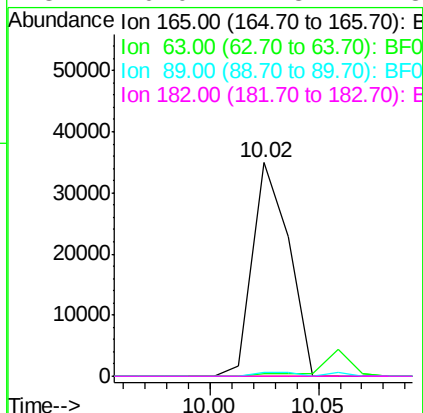
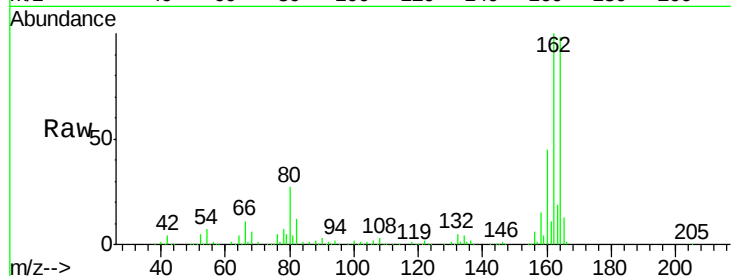




#56
 2,4-Dinitrotoluene
 Concen: 6.23 ng
 RT: 10.02 min Scan# 677
 Delta R.T. -0.19 min
 Lab File: BF085147.D
 Acq: 3 Mar 2016 4:11

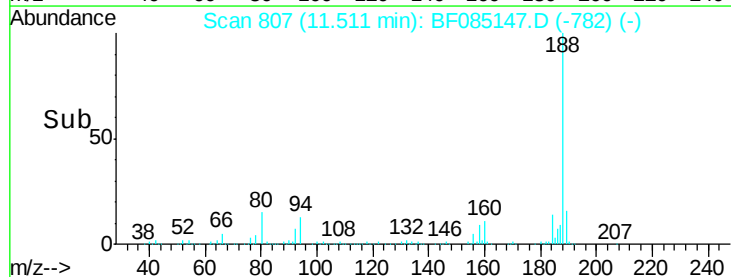
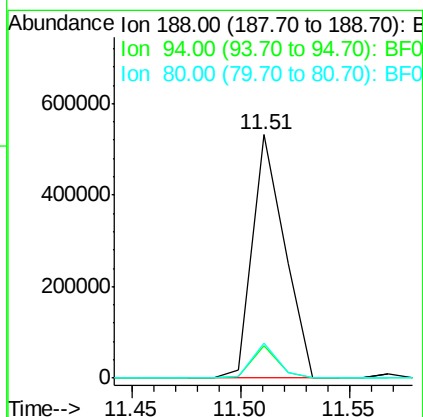
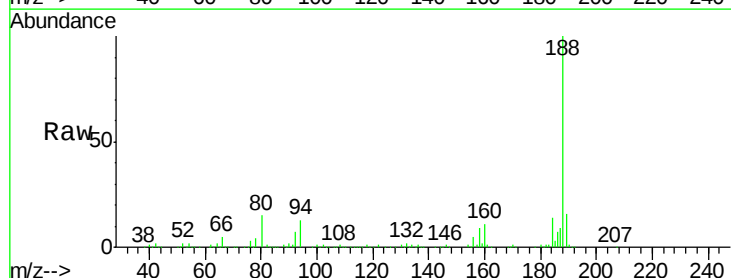
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-39-022516

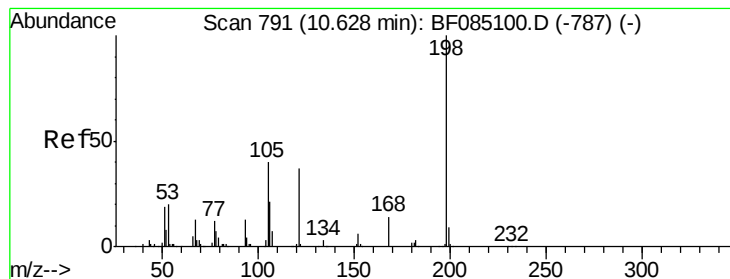
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	39.2	58.8#
89	1.9	66.2	99.4#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF085147.D
 Acq: 3 Mar 2016 4:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.2	7.8	11.6#
80	14.6	8.2	12.4#





#64

4,6-Dinitro-2-methylphenol

Concen: 7.54 ng

RT: 10.81 min Scan# 746

Delta R.T. 0.19 min

Lab File: BF085147.D

Acq: 3 Mar 2016 4:11

Instrument :

BNA_F

ClientSampleId :

HSR-WC-39-022516

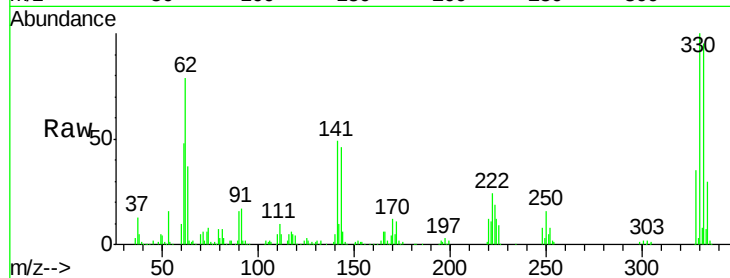
Tgt Ion:198 Resp: 1304

Ion Ratio Lower Upper

198 100

51 172.5 12.5 52.5#

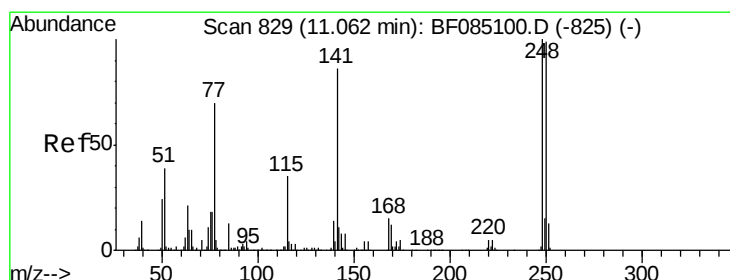
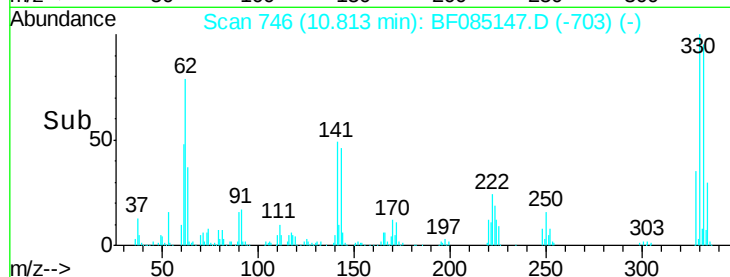
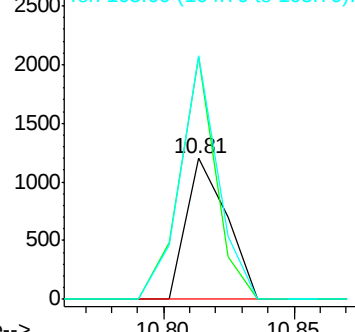
105 173.1 20.2 60.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.70 ng

RT: 10.81 min Scan# 746

Delta R.T. -0.25 min

Lab File: BF085147.D

Acq: 3 Mar 2016 4:11

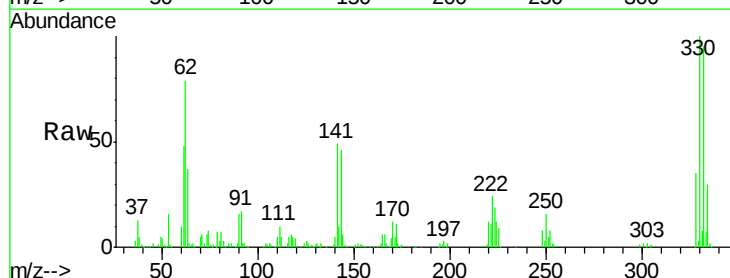
Tgt Ion:248 Resp: 32813

Ion Ratio Lower Upper

248 100

250 193.0 79.0 118.4#

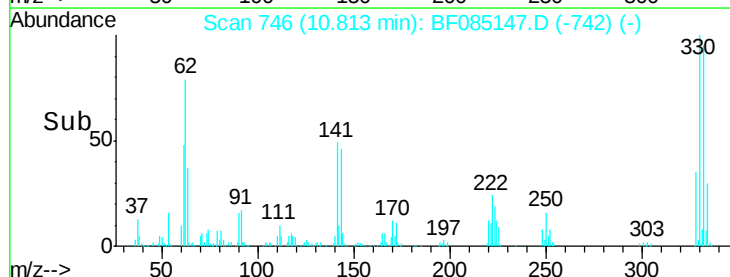
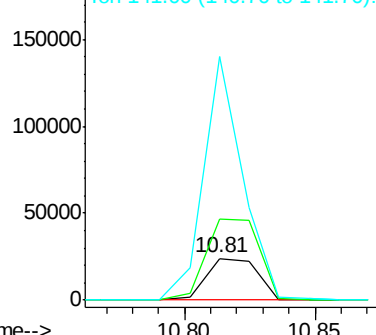
141 581.1 68.6 103.0#

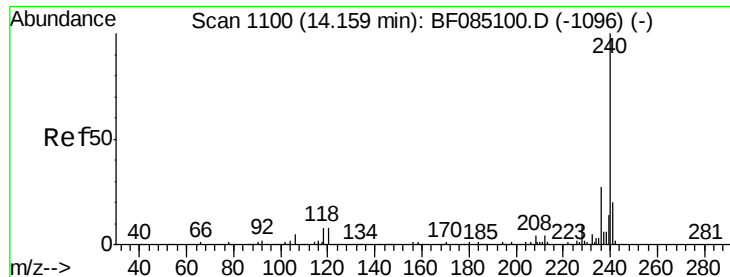


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.15 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF085147.D

Acq: 3 Mar 2016 4:11

Instrument :

BNA_F

ClientSampleId :

HSR-WC-39-022516

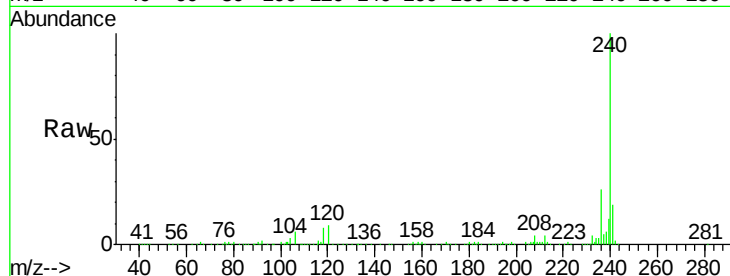
Tgt Ion:240 Resp: 369866

Ion Ratio Lower Upper

240 100

120 8.8 6.7 10.1

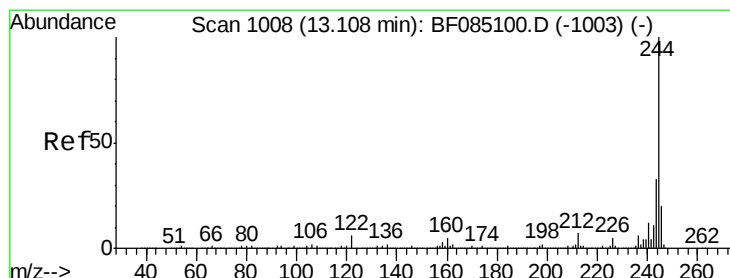
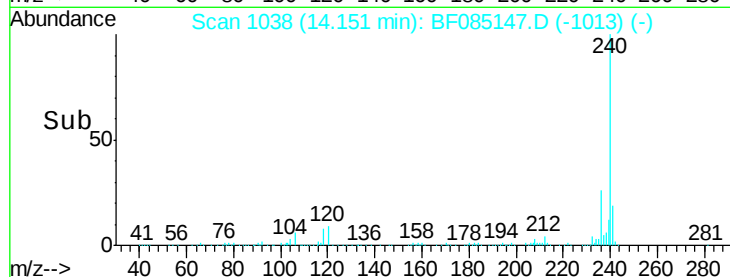
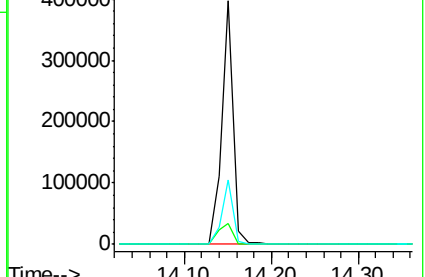
236 26.4 21.6 32.4



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: 101.74 ng

RT: 13.10 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF085147.D

Acq: 3 Mar 2016 4:11

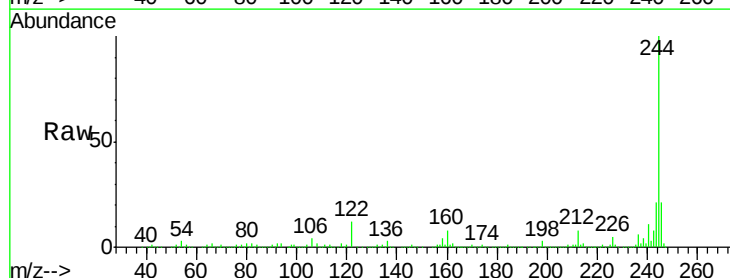
Tgt Ion:244 Resp: 1604191

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

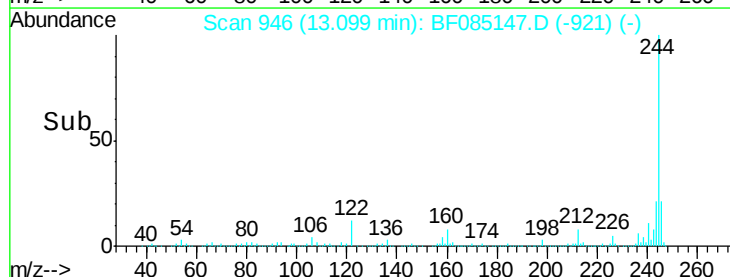
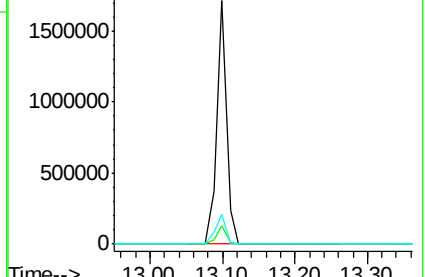
122 12.4 5.1 7.7#

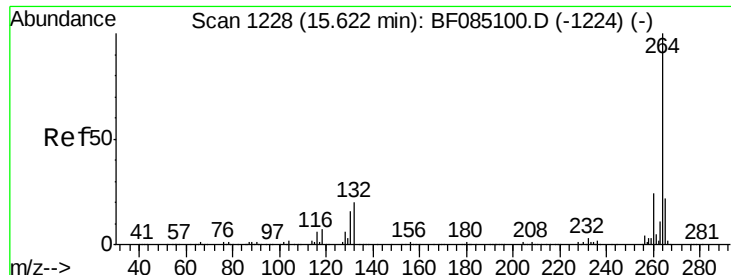


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.63 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF085147.D
Acq: 3 Mar 2016 4:11

Instrument :
BNA_F
ClientSampleId :
HSR-WC-39-022516

Tgt Ion: 264 Resp: 370752
Ion Ratio Lower Upper
264 100
260 23.8 19.6 29.4
265 21.6 17.4 26.2

