

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030216\
 Data File : BF085145.D
 Acq On : 3 Mar 2016 3:16
 Operator : SJ/IZ
 Sample : H1623-10
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-37-022516

Quant Time: Mar 03 04:49:46 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

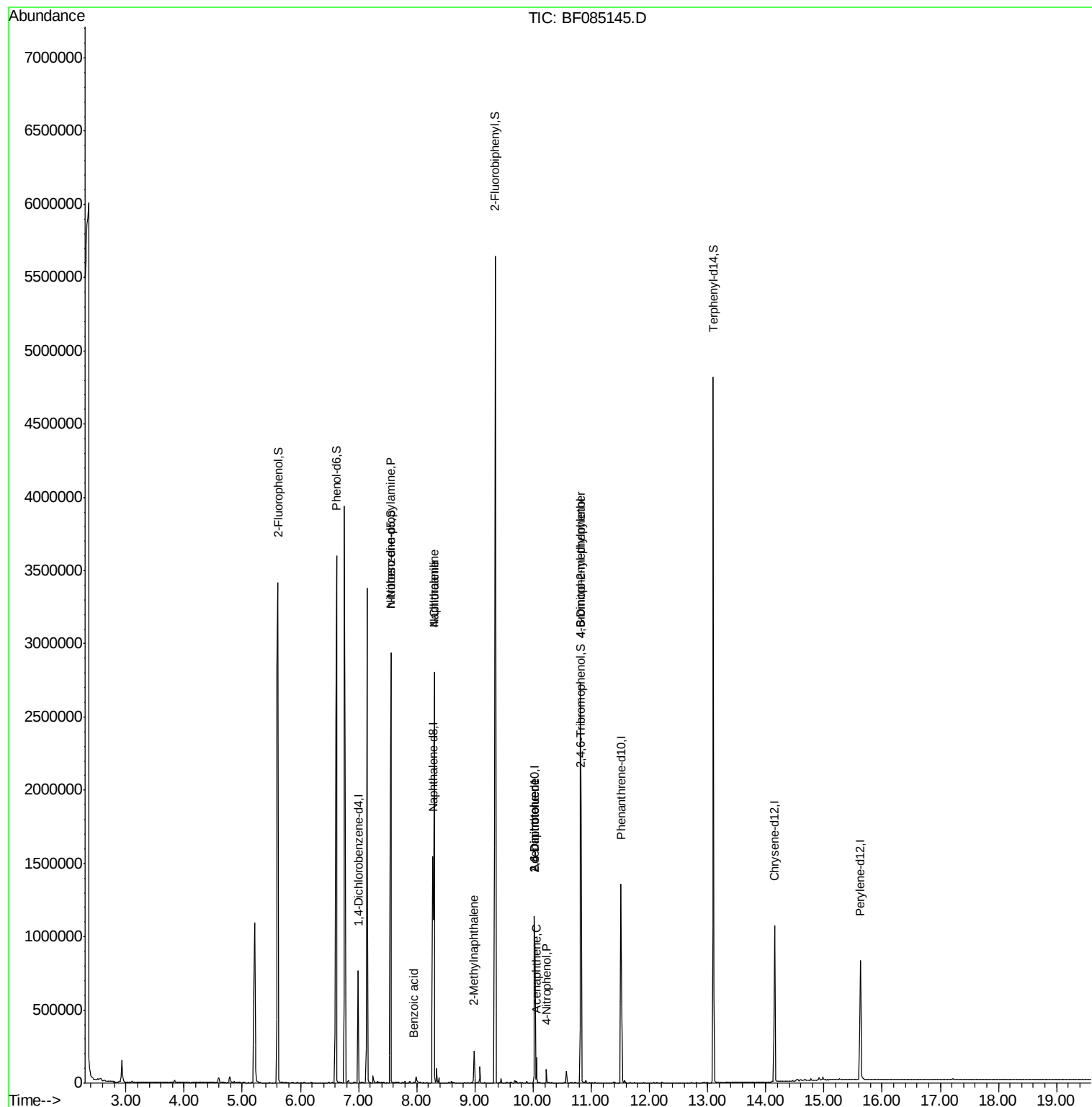
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	165979	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	680546	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	300112	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	524231	20.00	ng	0.00
75) Chrysene-d12	14.15	240	366746	20.00	ng	0.00
86) Perylene-d12	15.63	264	376363	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1379049	134.89	ng	0.03
7) Phenol-d6	6.62	99	1658416	123.74	ng	0.00
23) Nitrobenzene-d5	7.56	82	1218847	95.29	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	504017	167.12	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	1733596	85.07	ng	0.00
78) Terphenyl-d14	13.10	244	1466620	93.81	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	2481	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	7.56	70	164474	18.62	ng	# 76
31) Naphthalene	8.30	128	1318478	38.31	ng	99
32) Benzoic acid	7.96	122	1106	12.53	ng	91
33) 4-Chloroaniline	8.30	127	178799	13.14	ng	# 32
37) 2-Methylnaphthalene	8.98	142	54958	2.61	ng	98
50) 2,6-Dinitrotoluene	10.02	165	38531	8.35	ng	# 22
51) Acenaphthene	10.06	154	37597	2.07	ng	97
55) 4-Nitrophenol	10.23	139	12319	2.93	ng	# 21
56) 2,4-Dinitrotoluene	10.02	165	38533	6.20	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.81	198	1038	7.48	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	29005	5.27	ng	# 1

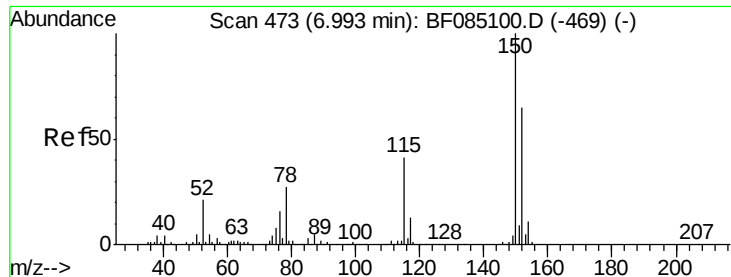
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF085145.D

Acq: 3 Mar 2016 3:16

Instrument :

BNA_F

ClientSampleId :

HSR-WC-37-022516

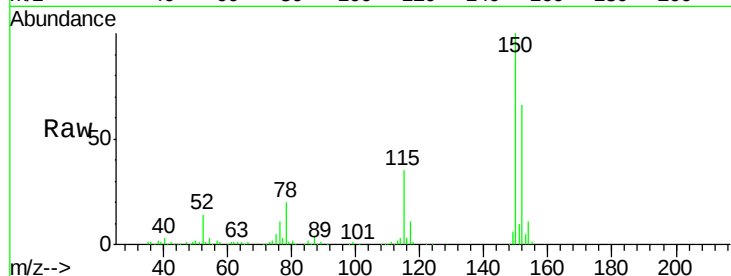
Tgt Ion:152 Resp: 165979

Ion Ratio Lower Upper

152 100

150 150.7 123.4 185.0

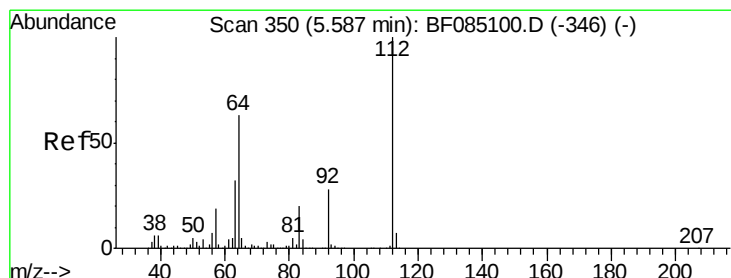
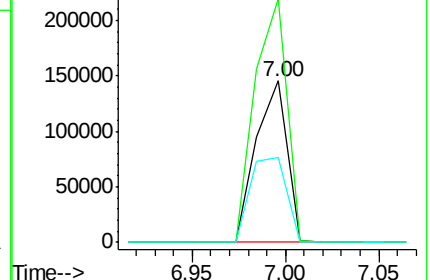
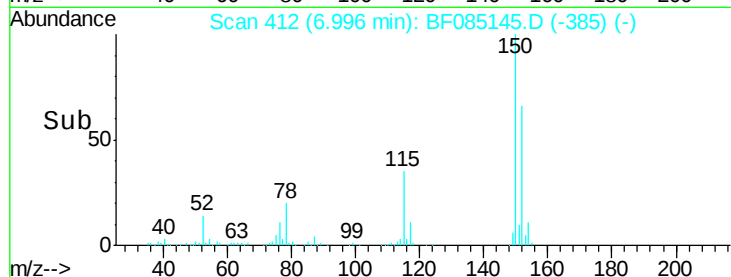
115 52.3 50.0 75.0



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: 134.89 ng

RT: 5.61 min Scan# 291

Delta R.T. 0.03 min

Lab File: BF085145.D

Acq: 3 Mar 2016 3:16

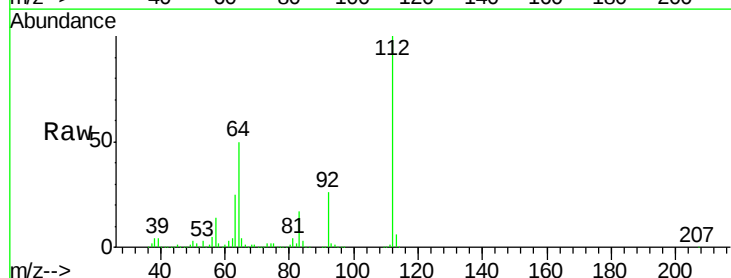
Tgt Ion:112 Resp: 1379049

Ion Ratio Lower Upper

112 100

64 50.0 50.6 76.0#

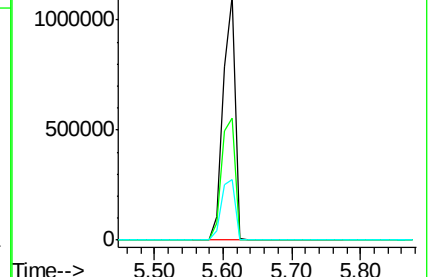
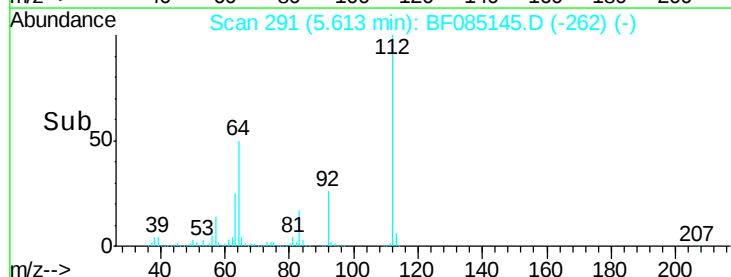
63 25.0 25.5 38.3#

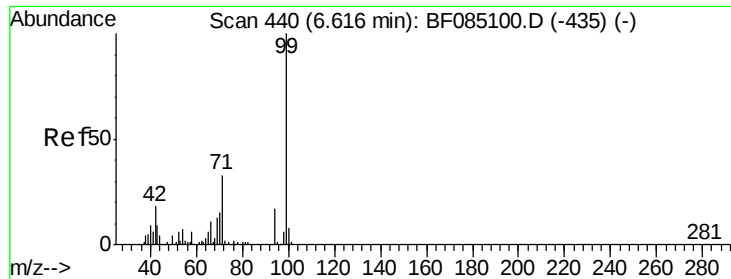


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 123.74 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF085145.D

Acq: 3 Mar 2016 3:16

Instrument :

BNA_F

ClientSampleId :

HSR-WC-37-022516

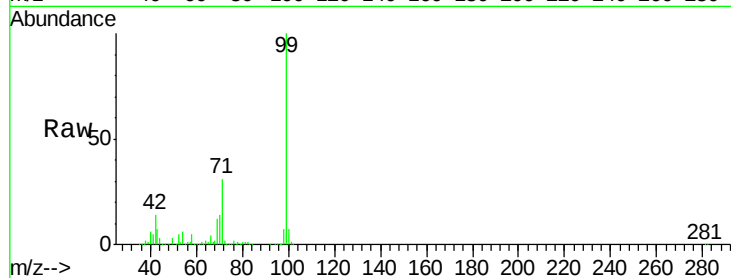
Tgt Ion: 99 Resp: 1658416

Ion Ratio Lower Upper

99 100

42 14.5 14.1 21.1

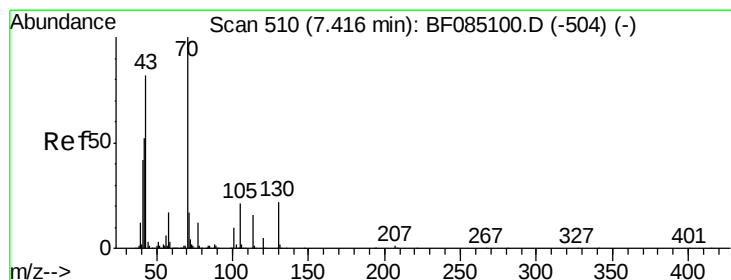
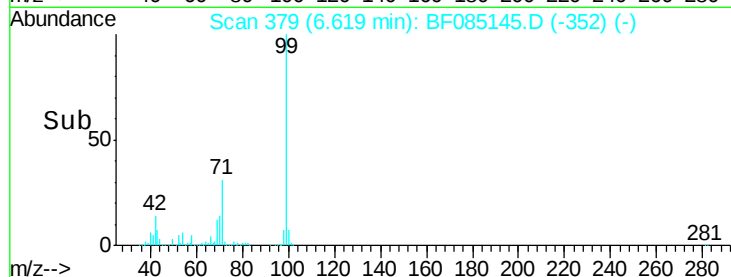
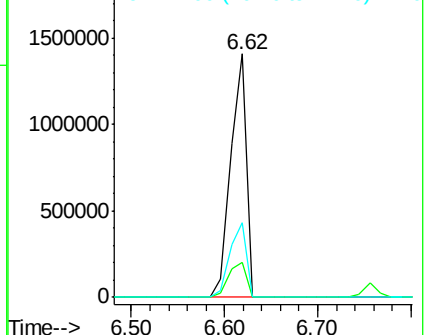
71 30.7 26.8 40.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 18.62 ng

RT: 7.56 min Scan# 461

Delta R.T. 0.14 min

Lab File: BF085145.D

Acq: 3 Mar 2016 3:16

Tgt Ion: 70 Resp: 164474

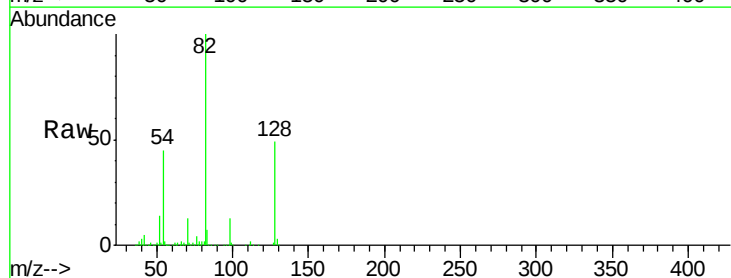
Ion Ratio Lower Upper

70 100

42 40.2 41.9 62.9#

101 0.0 7.8 11.8#

130 2.5 17.2 25.8#

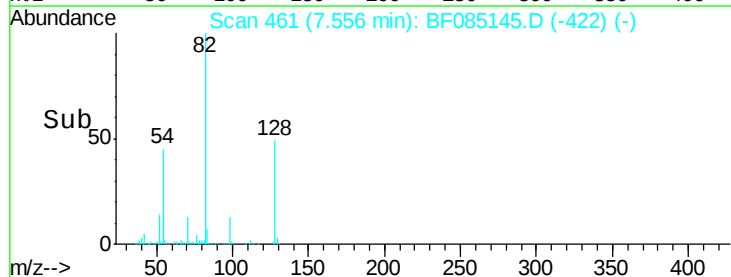
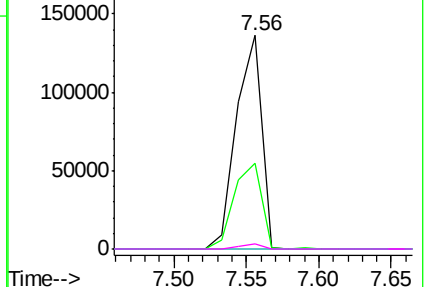


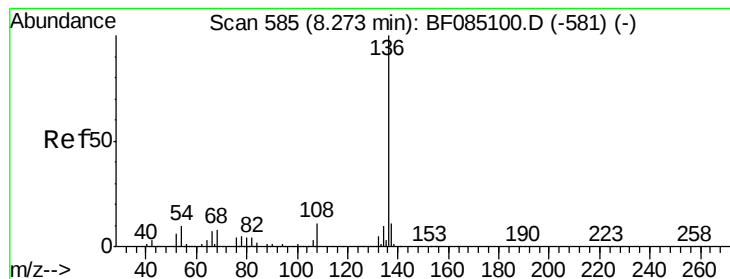
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.28 min Scan# 524

Delta R.T. 0.00 min

Lab File: BF085145.D

Acq: 3 Mar 2016 3:16

Instrument :

BNA_F

ClientSampleId :

HSR-WC-37-022516

Tgt Ion:136 Resp: 680546

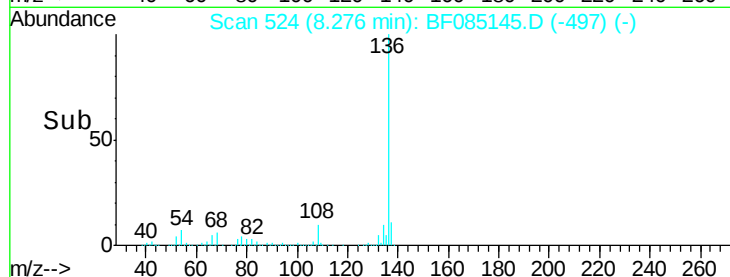
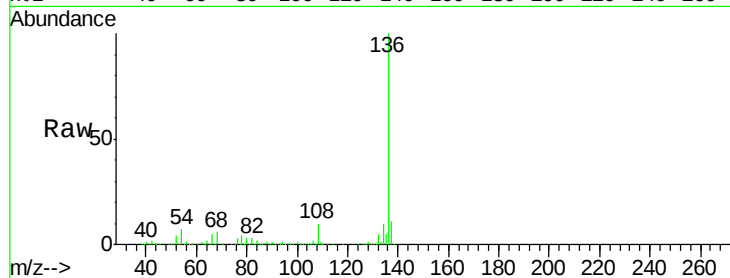
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.0 8.5 12.7#

68 5.8 6.4 9.6#

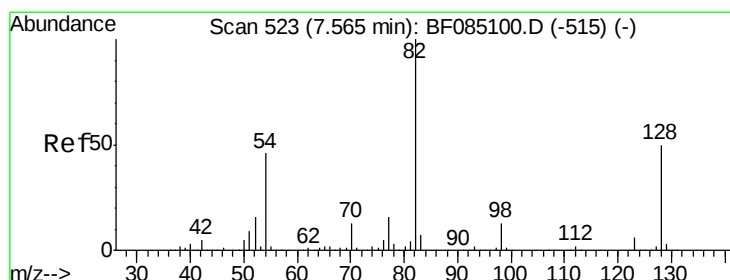
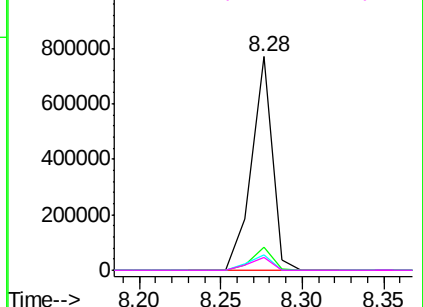


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.29 ng

RT: 7.56 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF085145.D

Acq: 3 Mar 2016 3:16

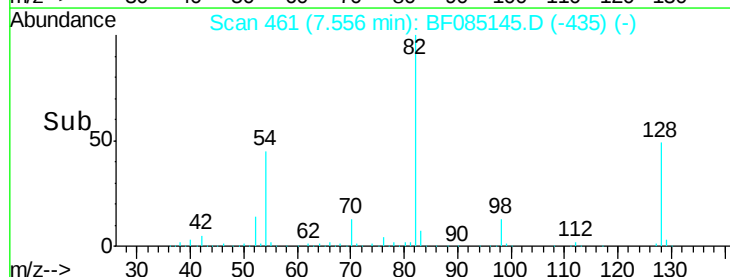
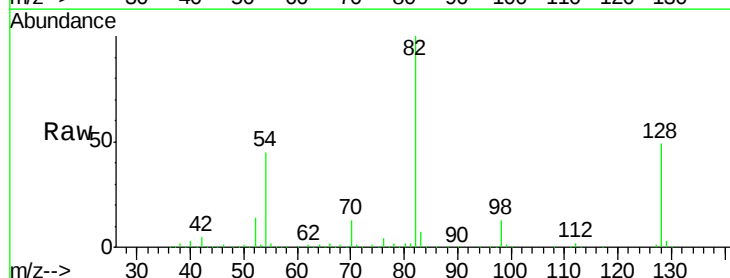
Tgt Ion: 82 Resp: 1218847

Ion Ratio Lower Upper

82 100

128 48.8 39.8 59.6

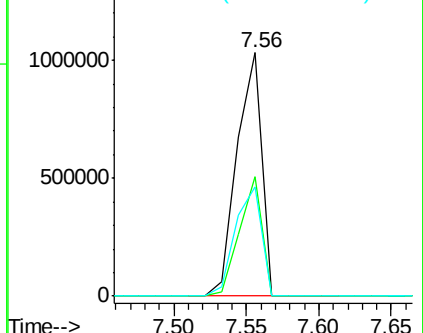
54 44.9 36.6 54.8

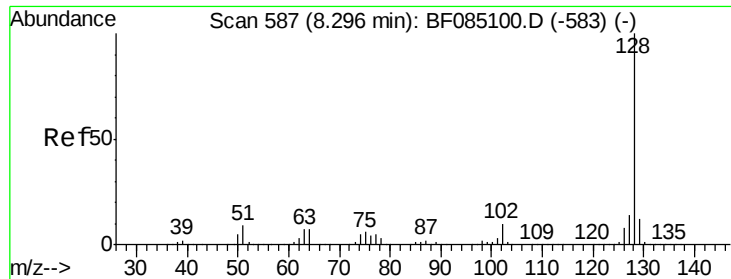


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

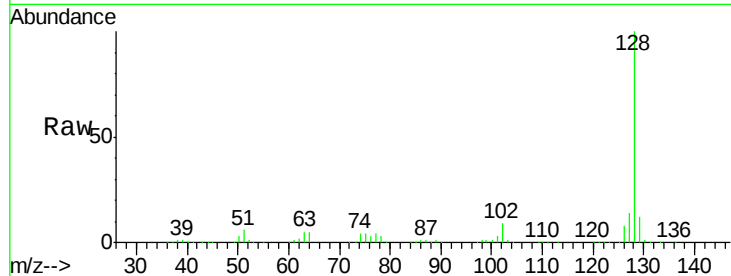




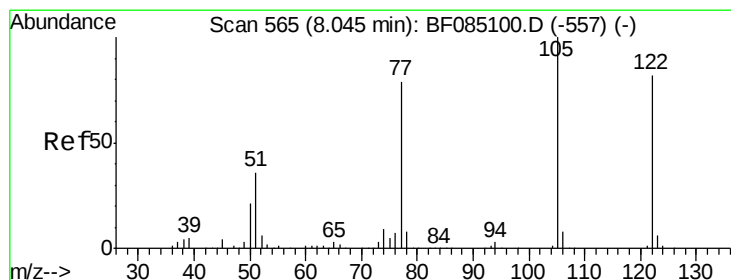
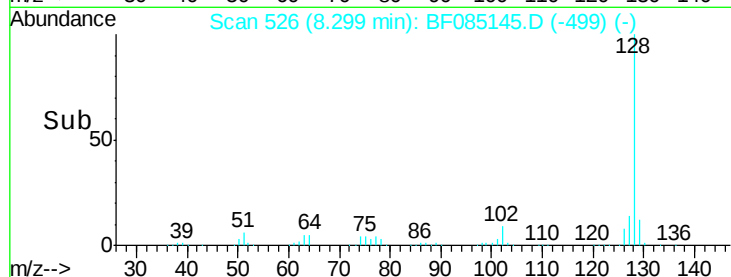
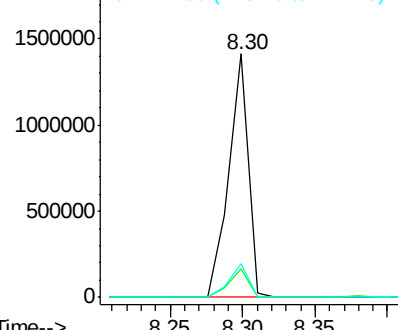
#31
Naphthalene
Concen: 38.31 ng
RT: 8.30 min Scan# 526
Delta R.T. 0.00 min
Lab File: BF085145.D
Acq: 3 Mar 2016 3:16

Instrument :
BNA_F
ClientSampleId :
HSR-WC-37-022516

Tgt Ion:128 Resp: 1318478
Ion Ratio Lower Upper
128 100
129 11.6 9.7 14.5
127 13.7 11.1 16.7

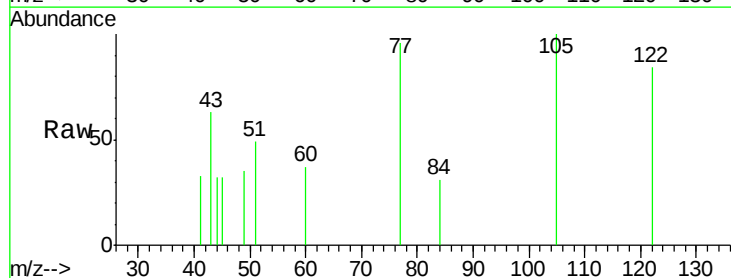


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

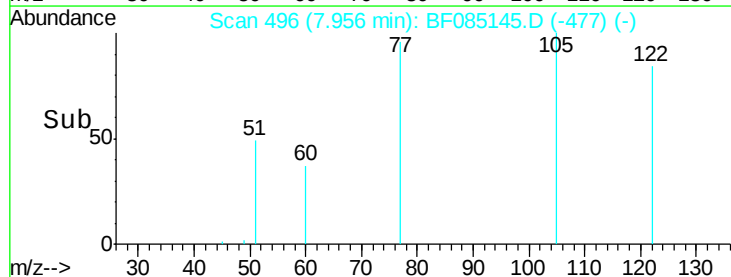
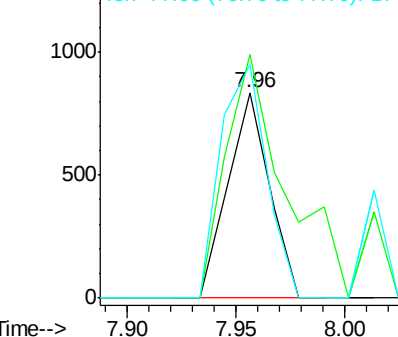


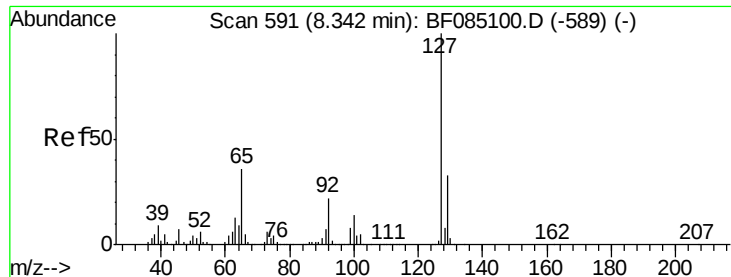
#32
Benzoic acid
Concen: 12.53 ng
RT: 7.96 min Scan# 496
Delta R.T. -0.09 min
Lab File: BF085145.D
Acq: 3 Mar 2016 3:16

Tgt Ion:122 Resp: 1106
Ion Ratio Lower Upper
122 100
105 118.6 102.0 142.0
77 113.4 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

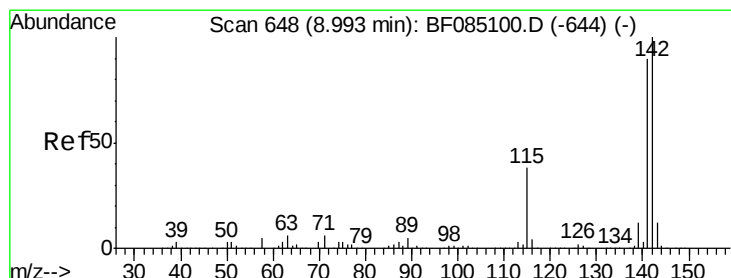
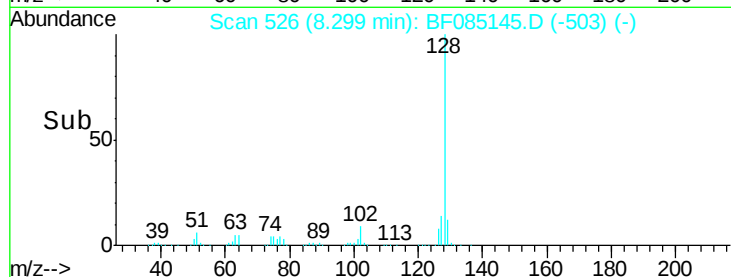
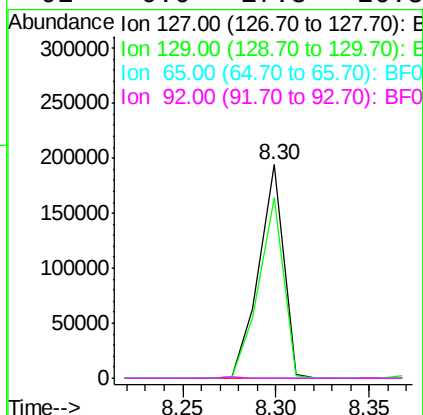
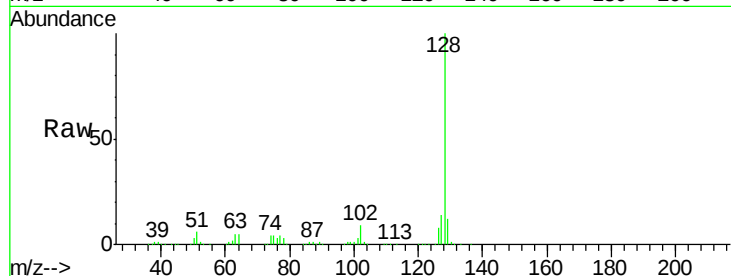




#33
4-Chloroaniline
Concen: 13.14 ng
RT: 8.30 min Scan# 526
Delta R.T. -0.04 min
Lab File: BF085145.D
Acq: 3 Mar 2016 3:16

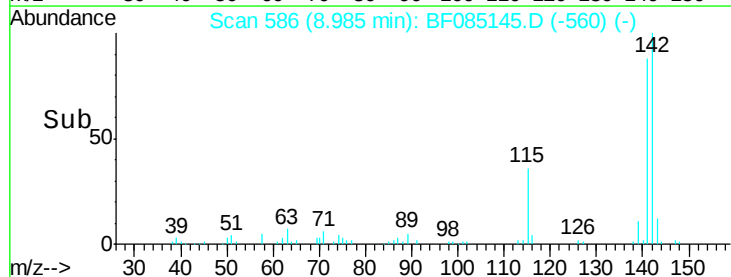
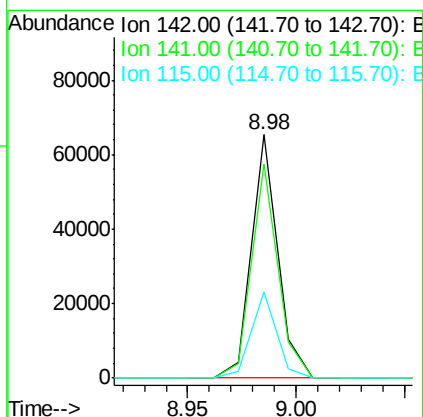
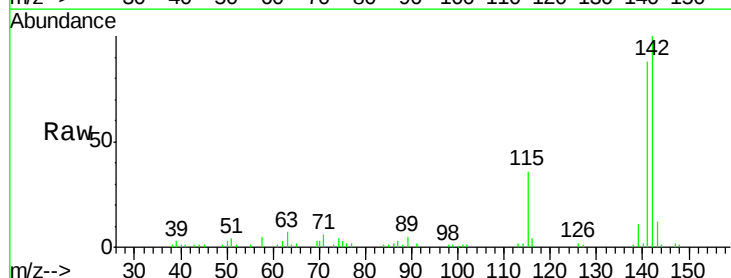
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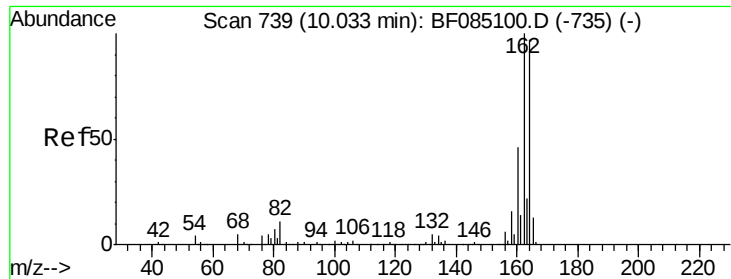
Tgt Ion:	127	Resp:	178799
Ion	Ratio	Lower	Upper
127	100		
129	84.2	26.3	39.5#
65	0.0	28.6	43.0#
92	0.0	17.8	26.8#



#37
2-Methylnaphthalene
Concen: 2.61 ng
RT: 8.98 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF085145.D
Acq: 3 Mar 2016 3:16

Tgt Ion:	142	Resp:	54958
Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.7	107.5
115	35.6	30.1	45.1

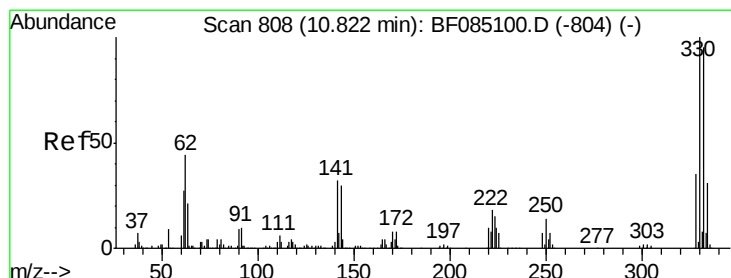
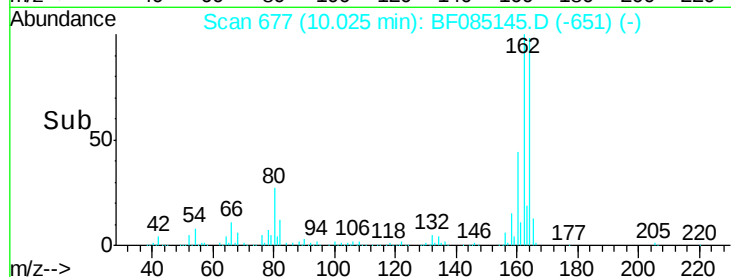
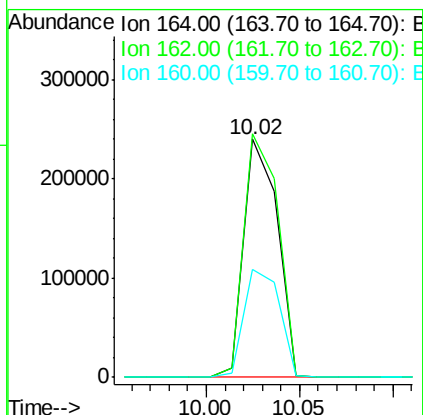
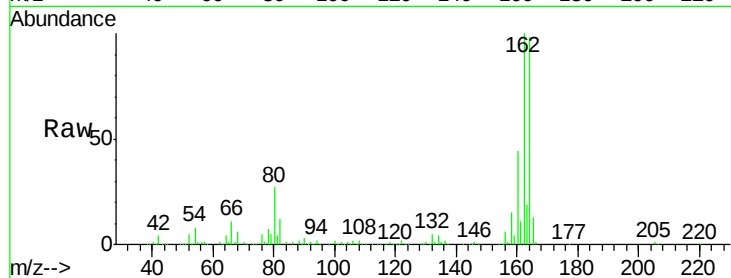




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.02 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: BF085145.D
 Acq: 3 Mar 2016 3:16

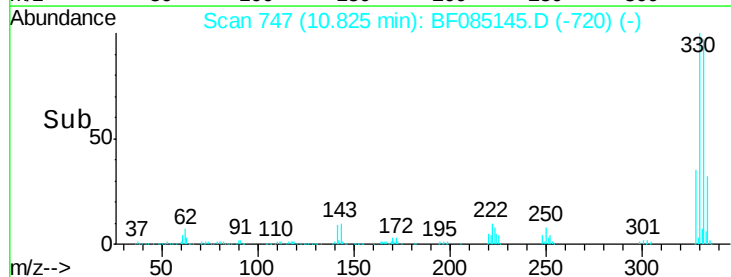
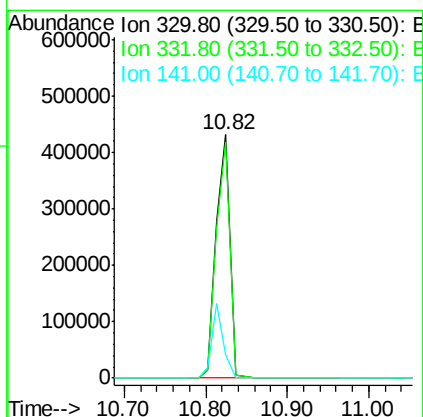
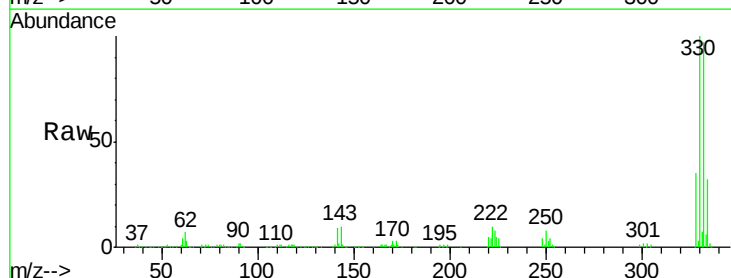
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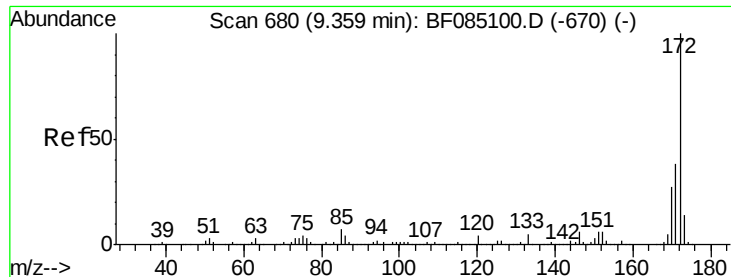
Tgt Ion:164 Resp: 300112
 Ion Ratio Lower Upper
 164 100
 162 102.1 82.6 123.8
 160 45.2 38.2 57.2



#41
 2,4,6-Tribromophenol
 Concen: 167.12 ng
 RT: 10.82 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF085145.D
 Acq: 3 Mar 2016 3:16

Tgt Ion:330 Resp: 504017
 Ion Ratio Lower Upper
 330 100
 332 96.7 75.9 113.9
 141 26.5 28.9 43.3#

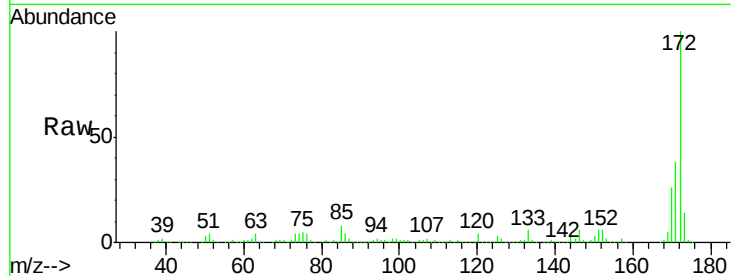




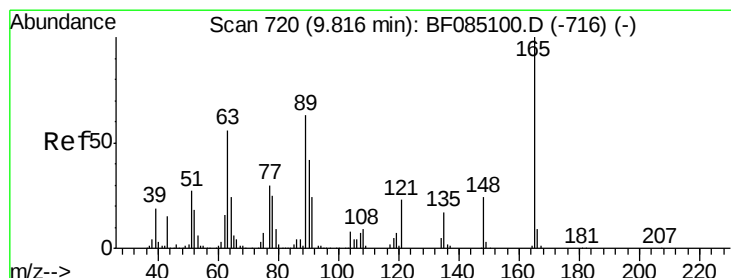
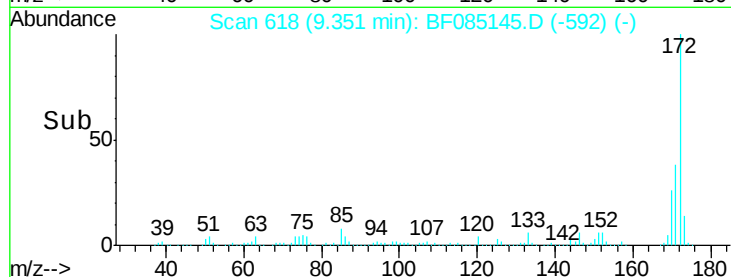
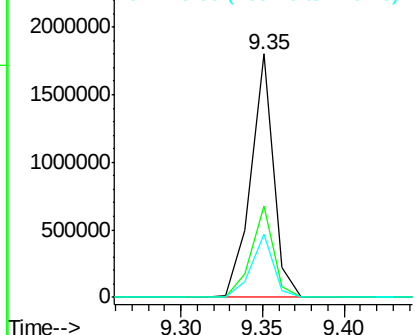
#44
 2-Fluorobiphenyl
 Concen: 85.07 ng
 RT: 9.35 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF085145.D
 Acq: 3 Mar 2016 3:16

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-37-022516

Tgt Ion:172 Resp: 1733596
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.5 45.7
 170 25.7 21.2 31.8

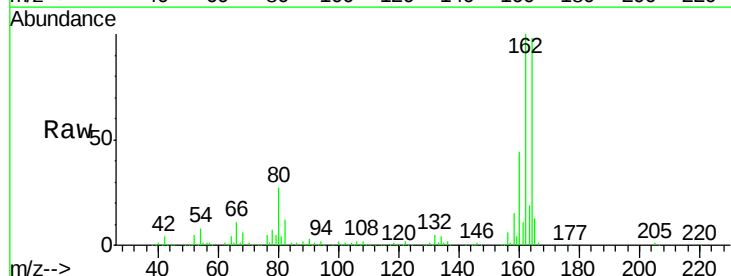


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

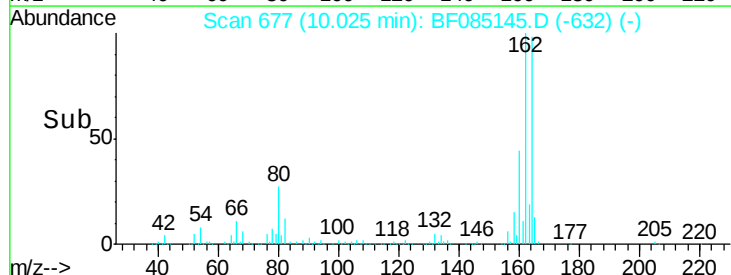
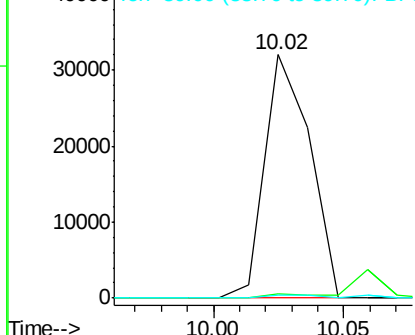


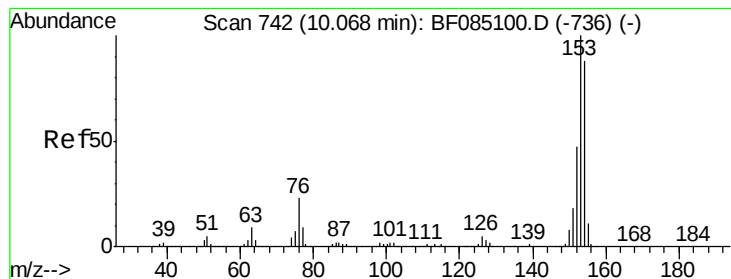
#50
 2,6-Dinitrotoluene
 Concen: 8.35 ng
 RT: 10.02 min Scan# 677
 Delta R.T. 0.21 min
 Lab File: BF085145.D
 Acq: 3 Mar 2016 3:16

Tgt Ion:165 Resp: 38531
 Ion Ratio Lower Upper
 165 100
 63 1.5 47.4 71.2#
 89 1.4 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: 2.07 ng

RT: 10.06 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF085145.D

Acq: 3 Mar 2016 3:16

Instrument :

BNA_F

ClientSampleId :

HSR-WC-37-022516

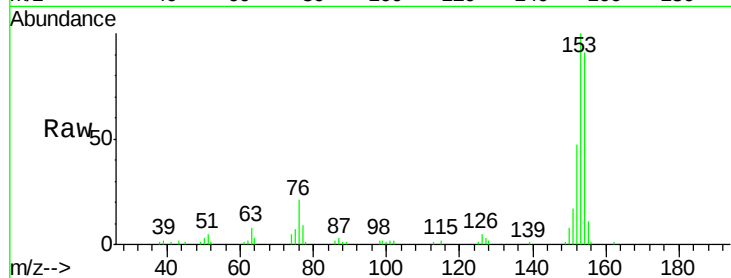
Tgt Ion:154 Resp: 37597

Ion Ratio Lower Upper

154 100

153 110.3 91.0 136.6

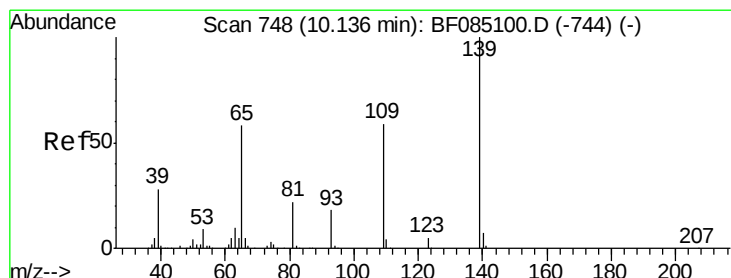
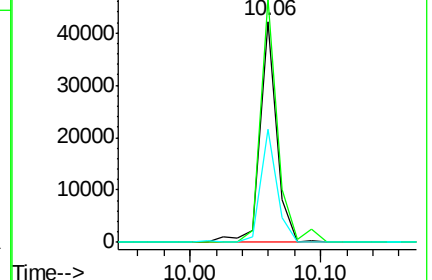
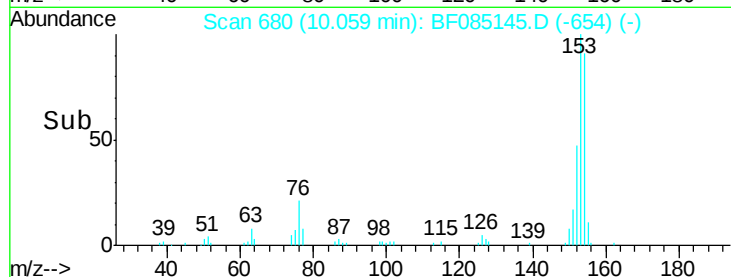
152 51.3 43.0 64.6



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: 2.93 ng

RT: 10.23 min Scan# 695

Delta R.T. 0.09 min

Lab File: BF085145.D

Acq: 3 Mar 2016 3:16

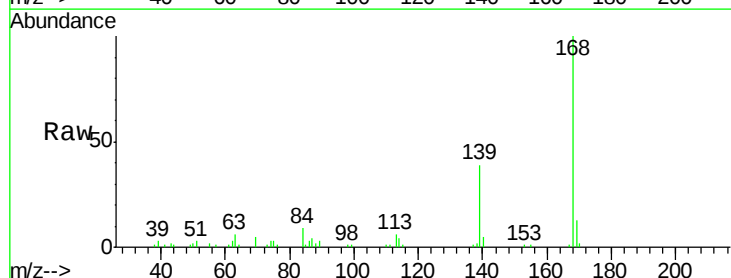
Tgt Ion:139 Resp: 12319

Ion Ratio Lower Upper

139 100

109 0.0 39.5 79.5#

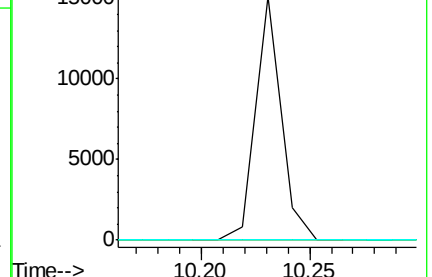
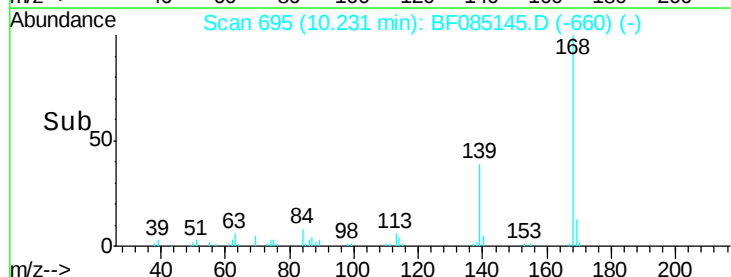
65 0.0 38.4 78.4#

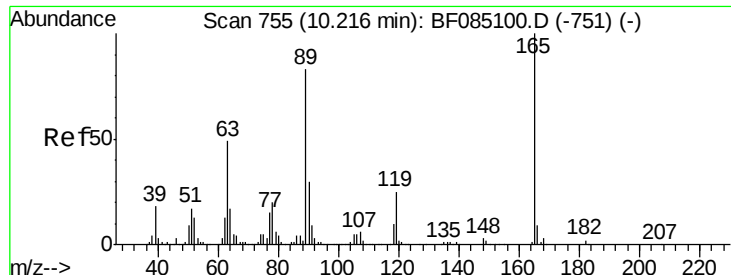


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

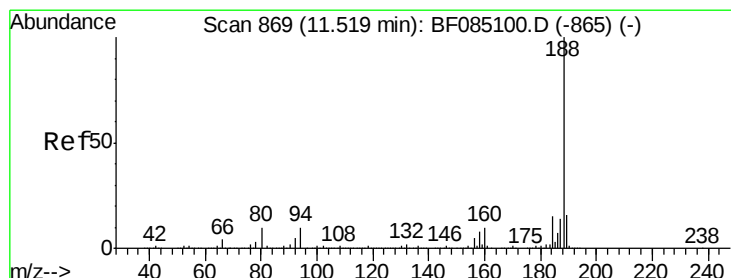
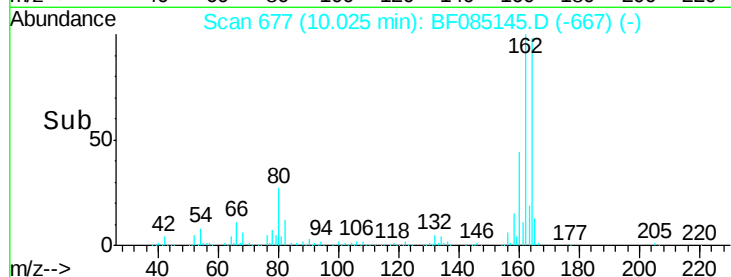
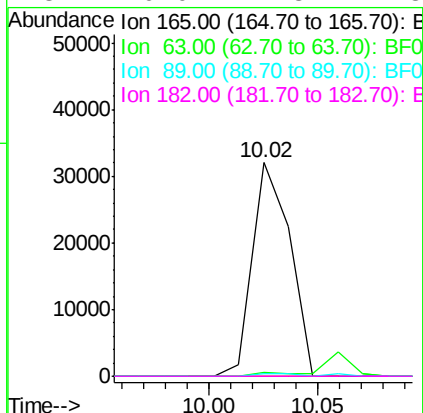
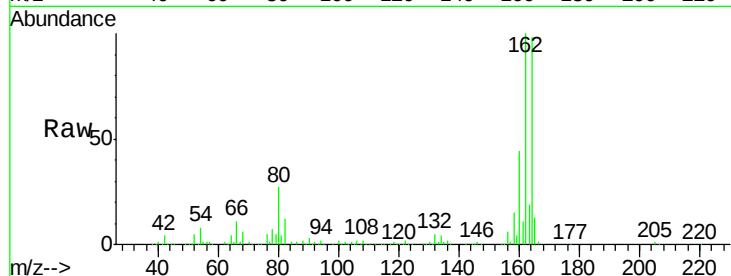




#56
2,4-Dinitrotoluene
Concen: 6.20 ng
RT: 10.02 min Scan# 677
Delta R.T. -0.19 min
Lab File: BF085145.D
Acq: 3 Mar 2016 3:16

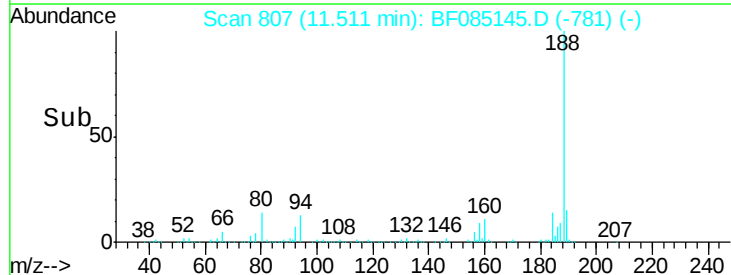
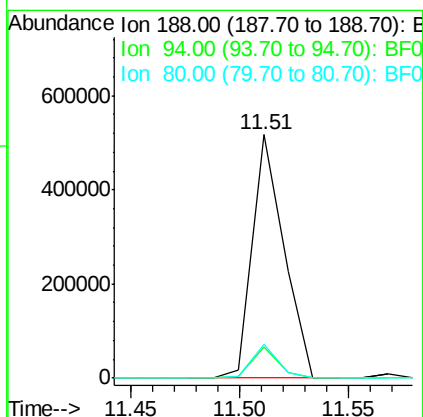
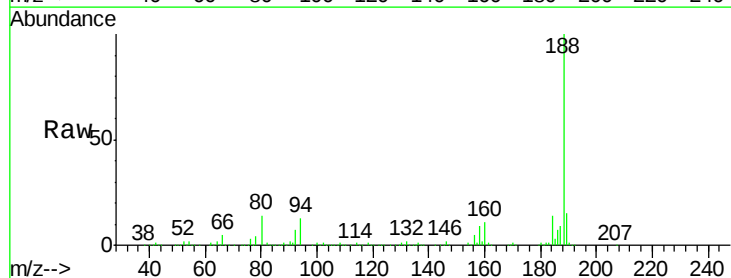
Instrument :
BNA_F
ClientSampleId :
HSR-WC-37-022516

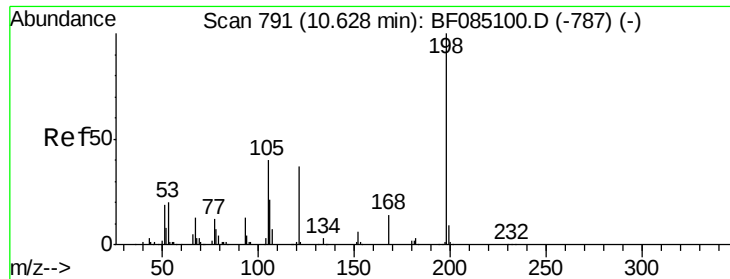
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	39.2	58.8#
89	1.4	66.2	99.4#
182	0.0	1.8	2.8#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.51 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF085145.D
Acq: 3 Mar 2016 3:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.9	7.8	11.6#
80	13.8	8.2	12.4#





#64

4,6-Dinitro-2-methylphenol

Concen: 7.48 ng

RT: 10.81 min Scan# 746

Delta R.T. 0.19 min

Lab File: BF085145.D

Acq: 3 Mar 2016 3:16

Instrument :

BNA_F

ClientSampleId :

HSR-WC-37-022516

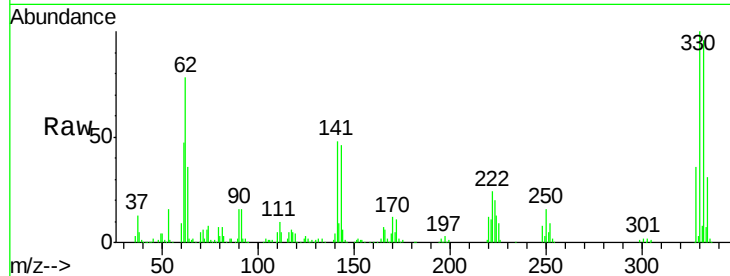
Tgt Ion:198 Resp: 1038

Ion Ratio Lower Upper

198 100

51 172.3 12.5 52.5#

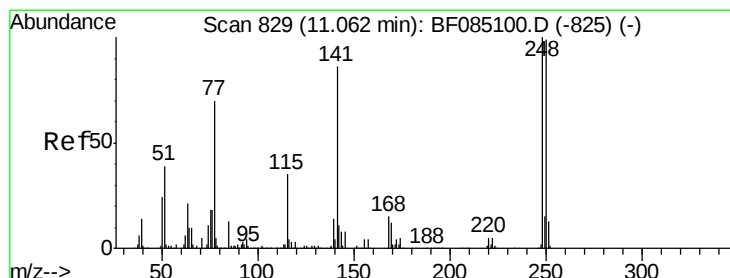
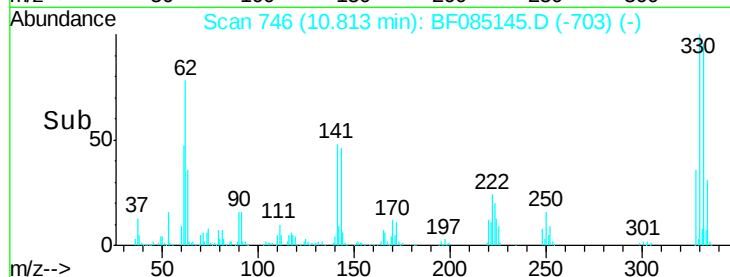
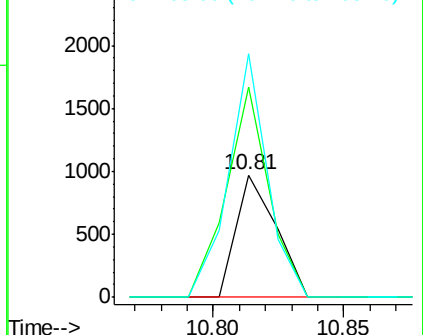
105 198.8 20.2 60.2#



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: 5.27 ng

RT: 10.81 min Scan# 746

Delta R.T. -0.25 min

Lab File: BF085145.D

Acq: 3 Mar 2016 3:16

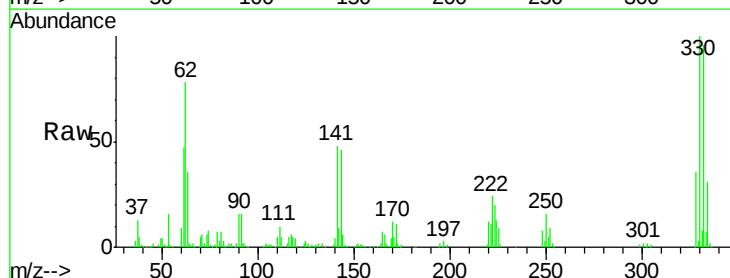
Tgt Ion:248 Resp: 29005

Ion Ratio Lower Upper

248 100

250 199.4 79.0 118.4#

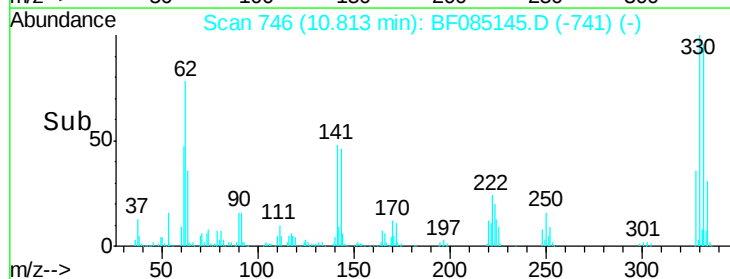
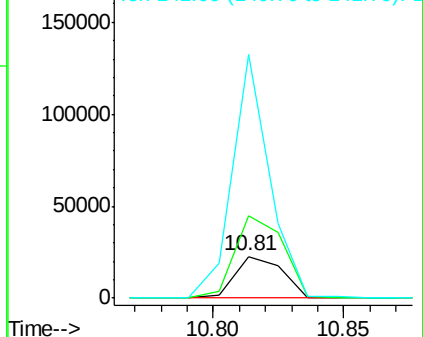
141 587.0 68.6 103.0#

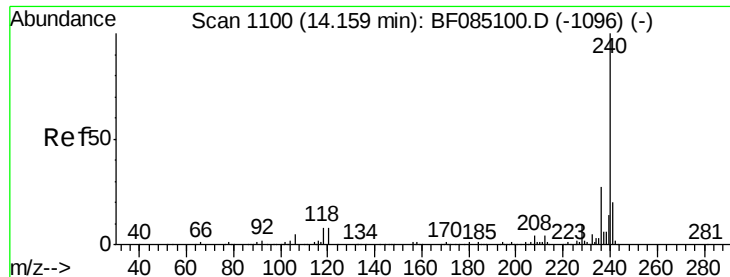


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF085145.D

Acq: 3 Mar 2016 3:16

Instrument :

BNA_F

ClientSampleId :

HSR-WC-37-022516

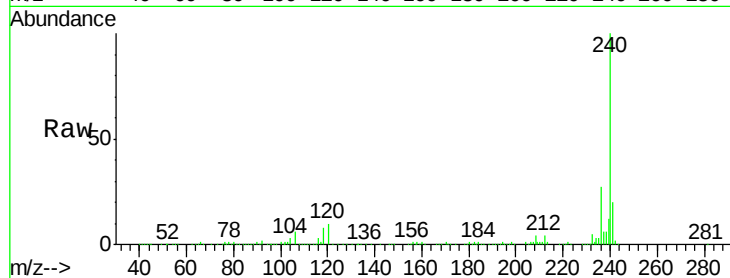
Tgt Ion:240 Resp: 366746

Ion Ratio Lower Upper

240 100

120 9.8 6.7 10.1

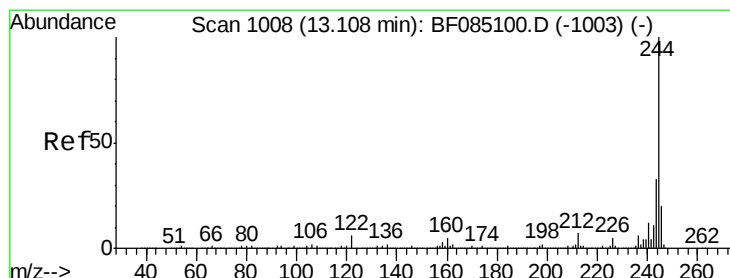
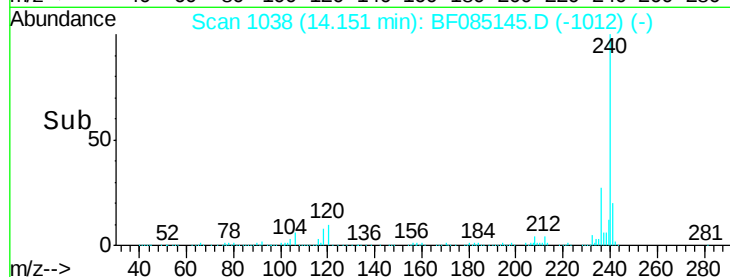
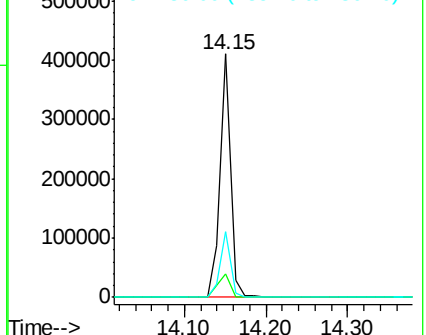
236 27.1 21.6 32.4



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: 93.81 ng

RT: 13.10 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF085145.D

Acq: 3 Mar 2016 3:16

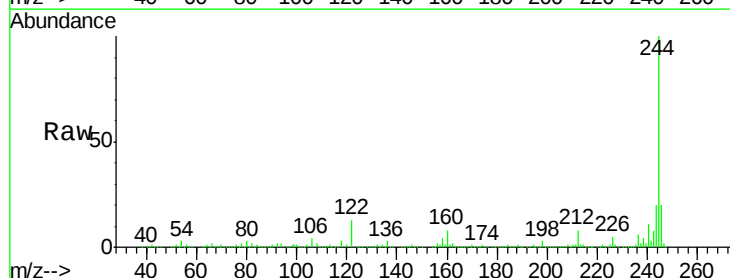
Tgt Ion:244 Resp: 1466620

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

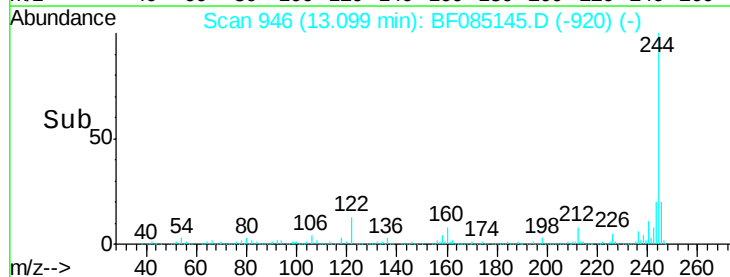
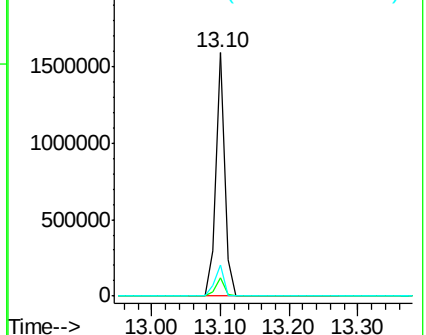
122 12.8 5.1 7.7#

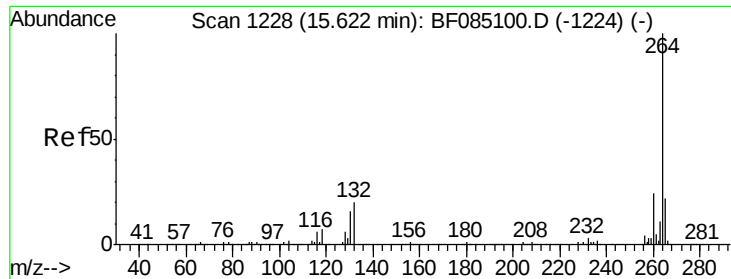


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF085145.D
Acq: 3 Mar 2016 3:16

Instrument :
BNA_F
ClientSampleId :
HSR-WC-37-022516

Tgt Ion: 264 Resp: 376363
Ion Ratio Lower Upper
264 100
260 24.2 19.6 29.4
265 21.2 17.4 26.2

