

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030216\
 Data File : BF085144.D
 Acq On : 3 Mar 2016 2:48
 Operator : SJ/IZ
 Sample : H1623-09
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-36-022516

Quant Time: Mar 03 04:49:33 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

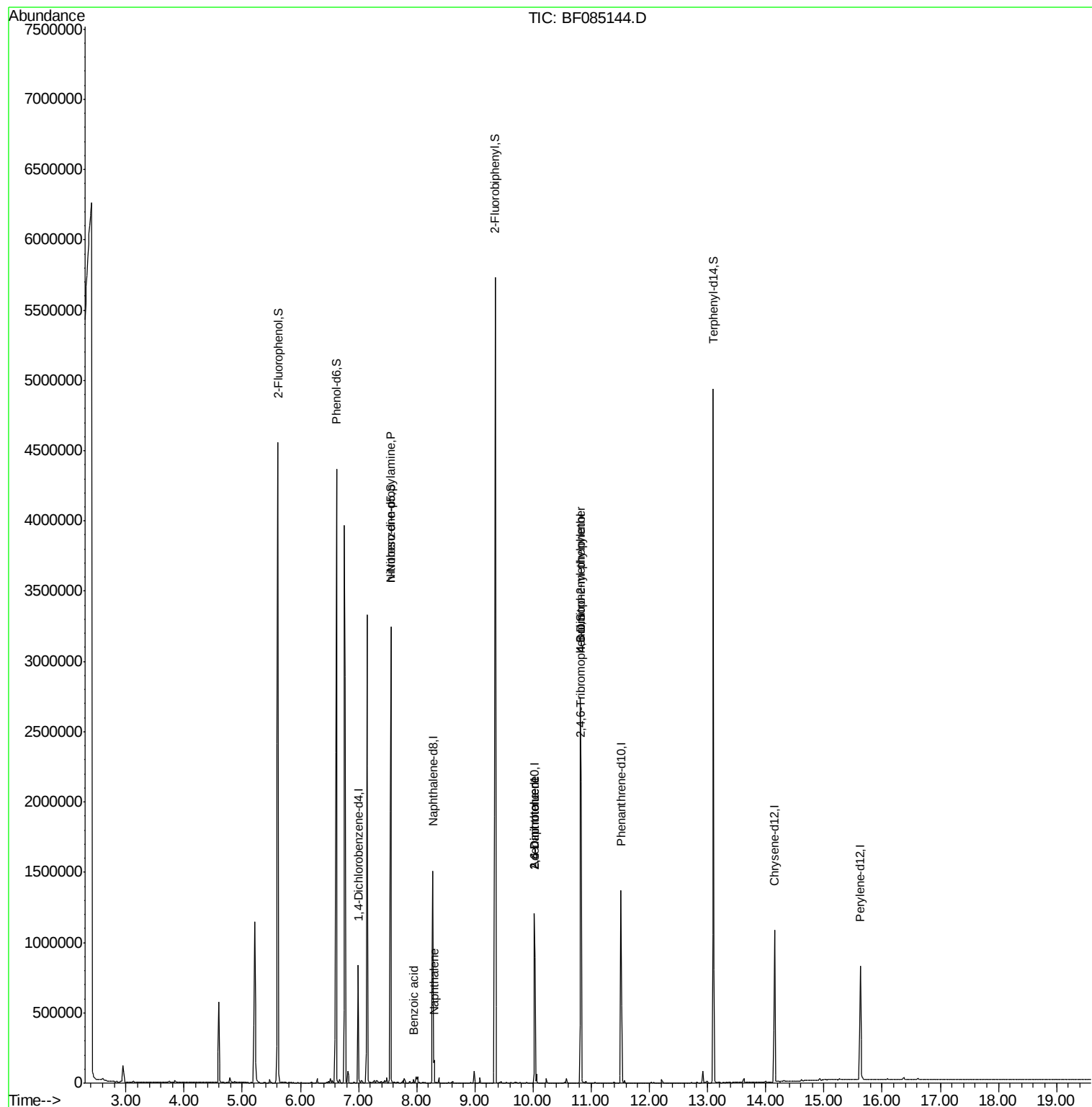
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	168763	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	707310	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	310119	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	535560	20.00	ng	0.00
75) Chrysene-d12	14.15	240	390282	20.00	ng	0.00
86) Perylene-d12	15.63	264	381895	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1435531	138.09	ng	0.03
7) Phenol-d6	6.62	99	1771410	129.99	ng	0.00
23) Nitrobenzene-d5	7.56	82	1287439	96.84	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	547466	175.67	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	1840288	87.40	ng	0.00
78) Terphenyl-d14	13.10	244	1546846	92.98	ng	0.00
Target Compounds						
9) Benzaldehyde	6.52	77	1054	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.56	70	176340	19.64	ng	# 77
31) Naphthalene	8.30	128	92145	2.58	ng	# 97
32) Benzoic acid	7.94	122	1217	12.53	ng	# 53
50) 2,6-Dinitrotoluene	10.02	165	39403	8.26	ng	# 22
56) 2,4-Dinitrotoluene	10.02	165	39405	6.13	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.81	198	1034	7.48	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	31300	5.57	ng	# 1

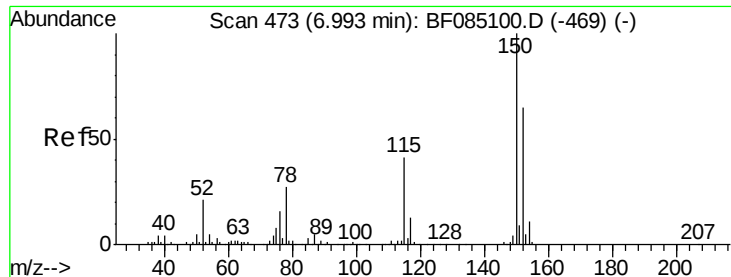
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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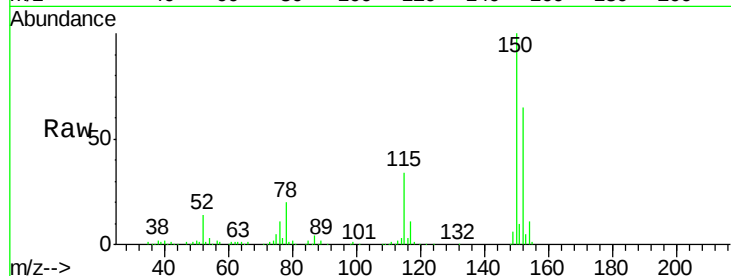


#1

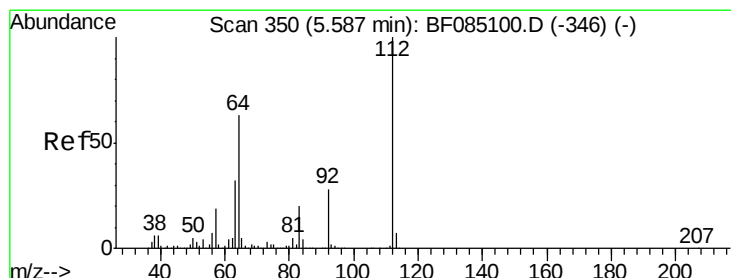
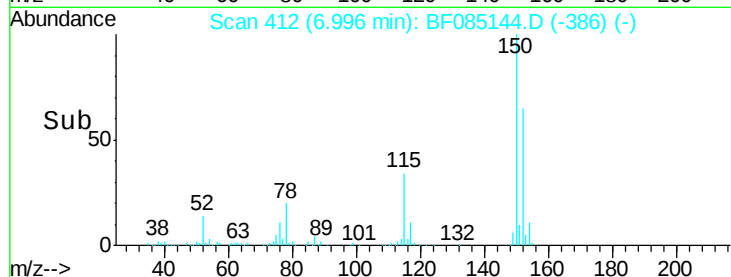
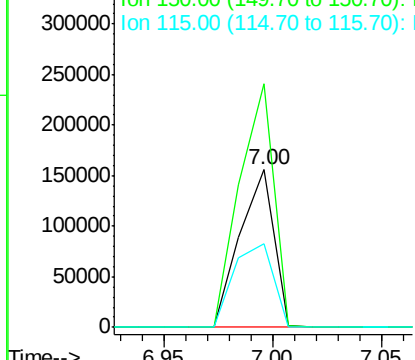
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 412
Delta R.T. 0.00 min
Lab File: BF085144.D
Acq: 3 Mar 2016 2:48

Instrument :
BNA_F
ClientSampleId :
HSR-WC-36-022516

Tgt Ion:152 Resp: 168763
Ion Ratio Lower Upper
152 100
150 154.3 123.4 185.0
115 53.1 50.0 75.0



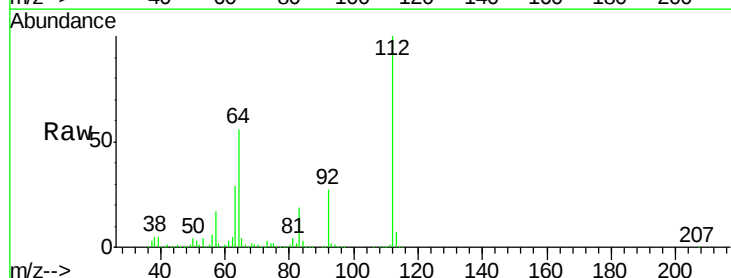
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



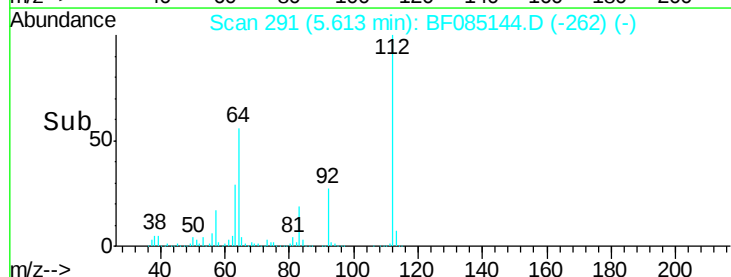
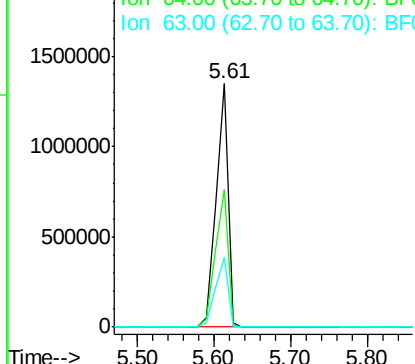
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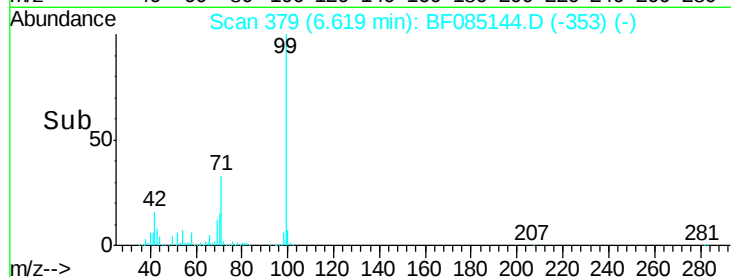
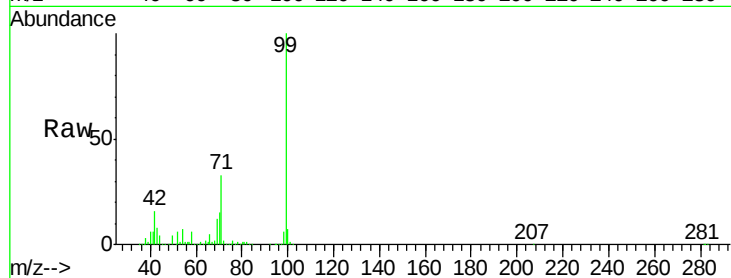
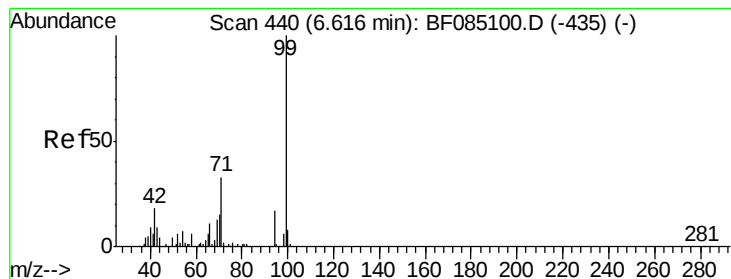
2-Fluorophenol
Concen: 138.09 ng
RT: 5.61 min Scan# 291
Delta R.T. 0.03 min
Lab File: BF085144.D
Acq: 3 Mar 2016 2:48

Tgt Ion:112 Resp: 1435531
Ion Ratio Lower Upper
112 100
64 56.5 50.6 76.0
63 28.7 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: 129.99 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF085144.D

Acq: 3 Mar 2016 2:48

Instrument :

BNA_F

ClientSampleId :

HSR-WC-36-022516

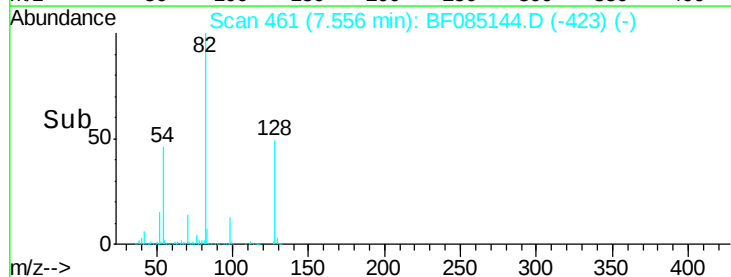
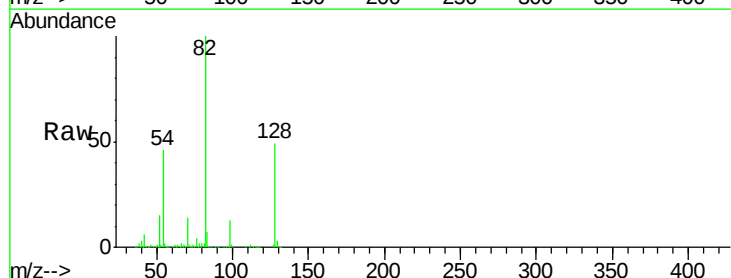
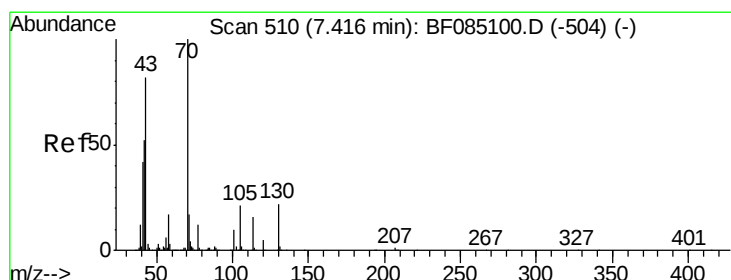
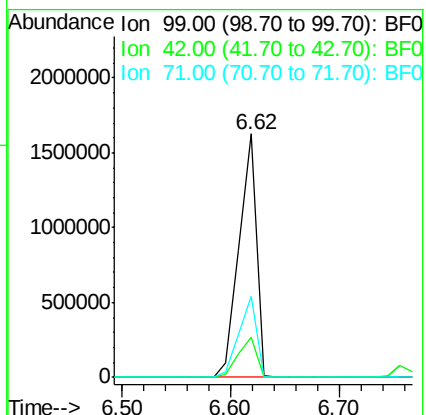
Tgt Ion: 99 Resp: 1771410

Ion Ratio Lower Upper

99 100

42 16.4 14.1 21.1

71 33.2 26.8 40.2



#19

n-Nitroso-di-n-propylamine

Concen: 19.64 ng

RT: 7.56 min Scan# 461

Delta R.T. 0.14 min

Lab File: BF085144.D

Acq: 3 Mar 2016 2:48

Tgt Ion: 70 Resp: 176340

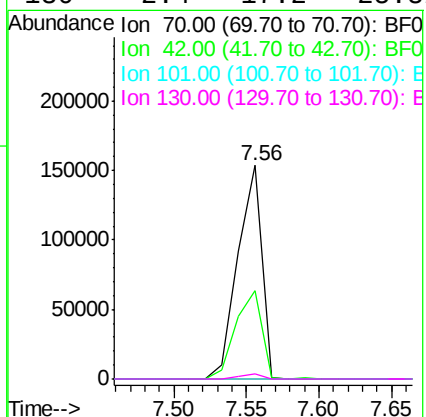
Ion Ratio Lower Upper

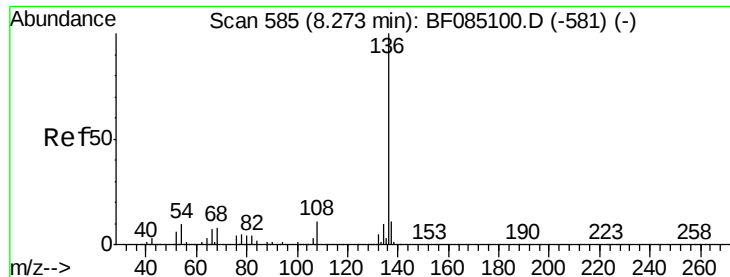
70 100

42 41.5 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: BF085144.D

Acq: 3 Mar 2016 2:48

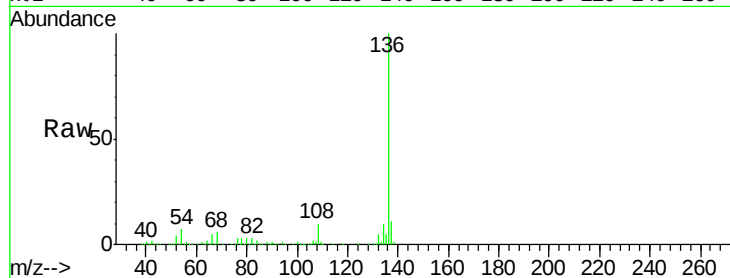
Instrument :

BNA_F

ClientSampleId :

HSR-WC-36-022516

Tgt Ion:	136	Resp:	707310
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	6.7	8.5	12.7#
68	5.7	6.4	9.6#

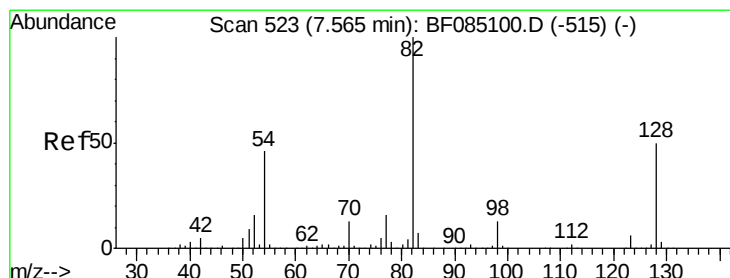
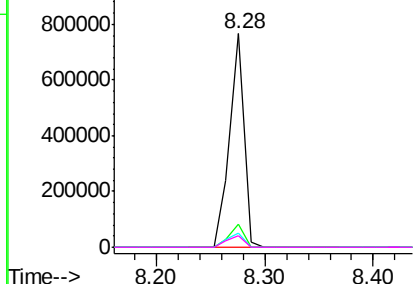
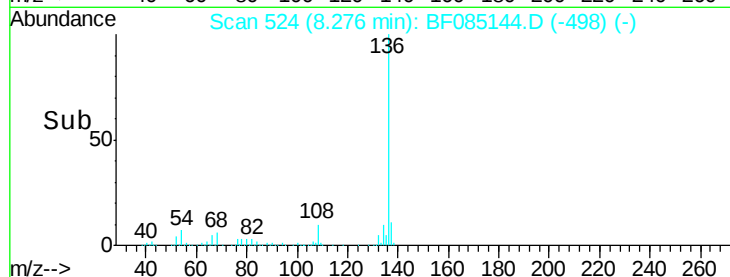


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.84 ng

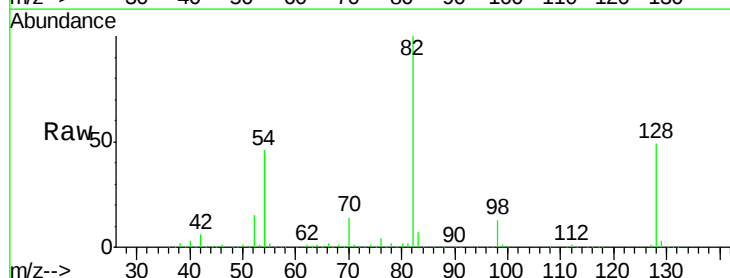
RT: 7.56 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF085144.D

Acq: 3 Mar 2016 2:48

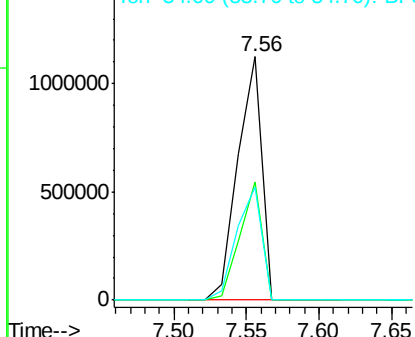
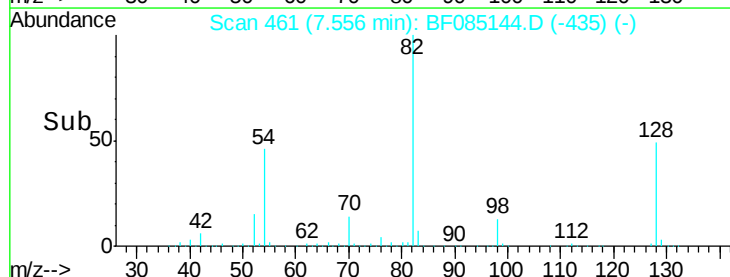
Tgt Ion:	82	Resp:	1287439
Ion Ratio	Lower	Upper	
82	100		
128	48.6	39.8	59.6
54	46.2	36.6	54.8

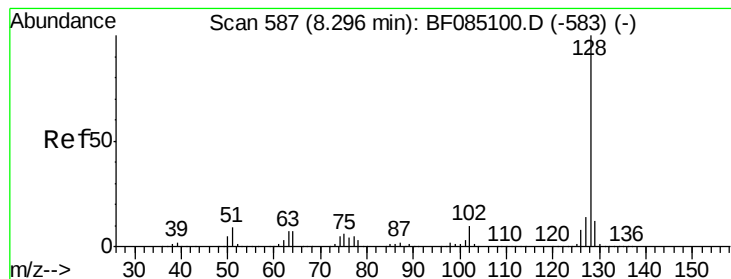


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 2.58 ng

RT: 8.30 min Scan# 526

Delta R.T. 0.00 min

Lab File: BF085144.D

Acq: 3 Mar 2016 2:48

Instrument :

BNA_F

ClientSampleId :

HSR-WC-36-022516

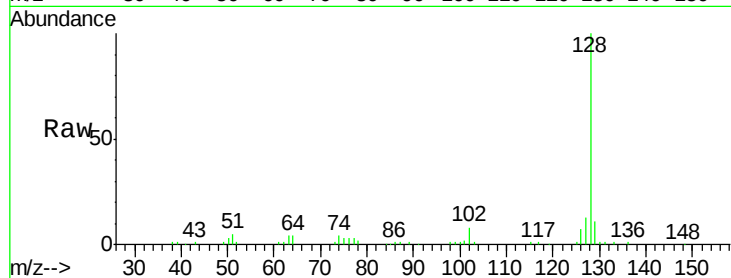
Tgt Ion:128 Resp: 92145

Ion Ratio Lower Upper

128 100

129 10.6 9.7 14.5

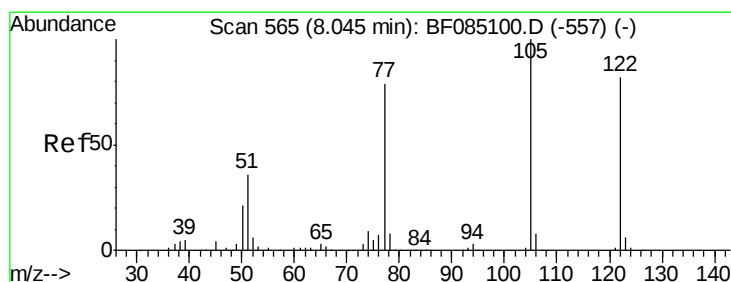
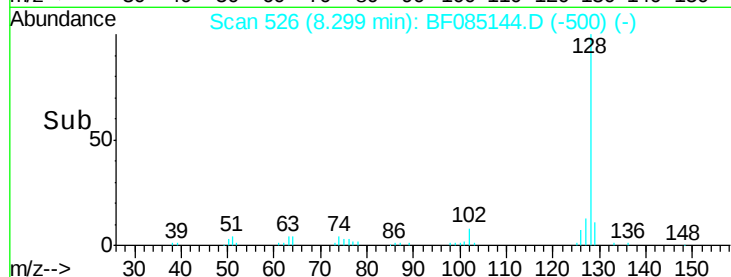
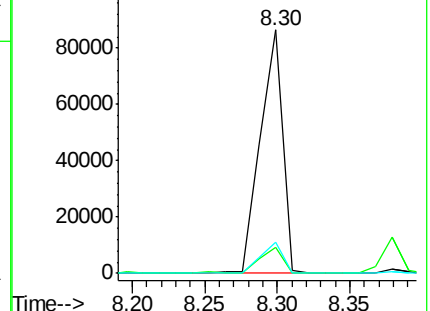
127 12.9 11.1 16.7



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: 12.53 ng

RT: 7.94 min Scan# 495

Delta R.T. -0.10 min

Lab File: BF085144.D

Acq: 3 Mar 2016 2:48

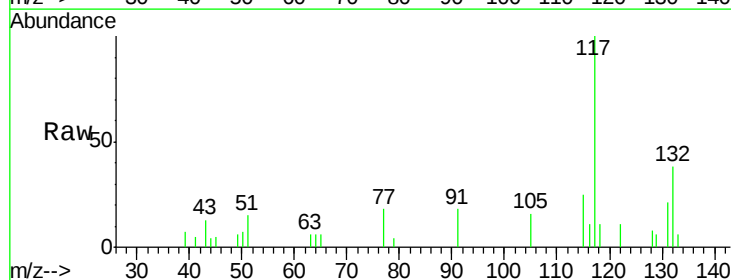
Tgt Ion:122 Resp: 1217

Ion Ratio Lower Upper

122 100

105 153.5 102.0 142.0#

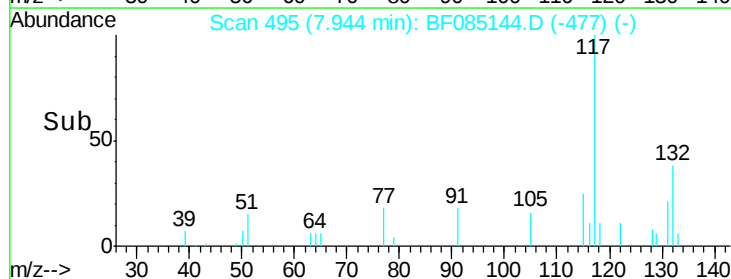
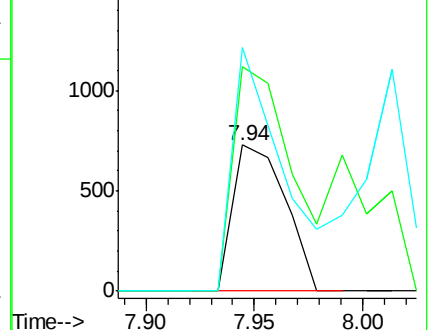
77 166.7 76.8 116.8#

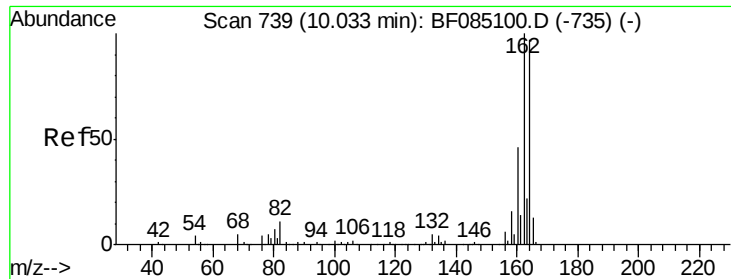


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

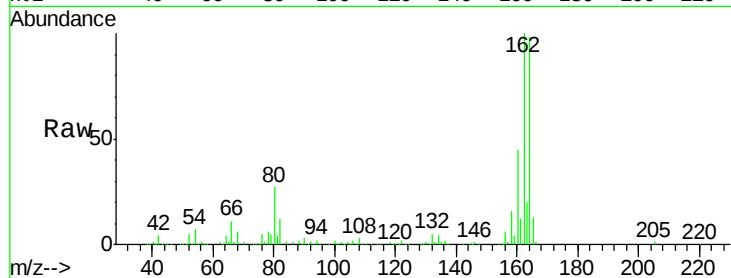




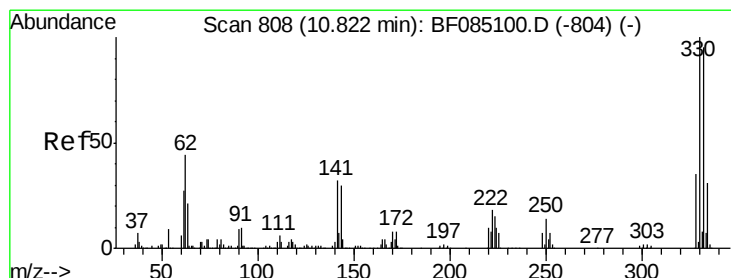
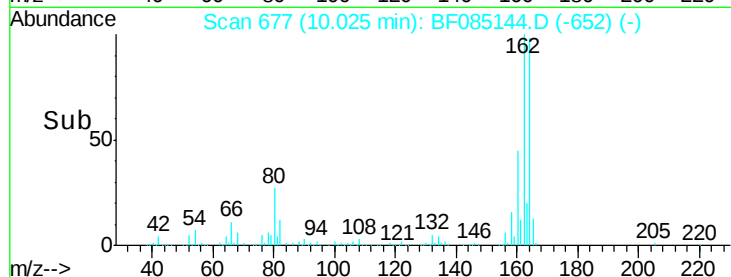
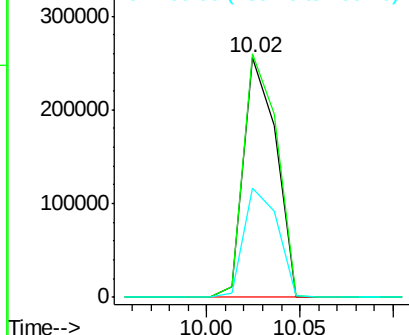
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.02 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: BF085144.D
 Acq: 3 Mar 2016 2:48

Instrument :
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 ClientSampleId :
 HSR-WC-36-022516

Tgt Ion:164 Resp: 310119
 Ion Ratio Lower Upper
 164 100
 162 101.7 82.6 123.8
 160 45.7 38.2 57.2

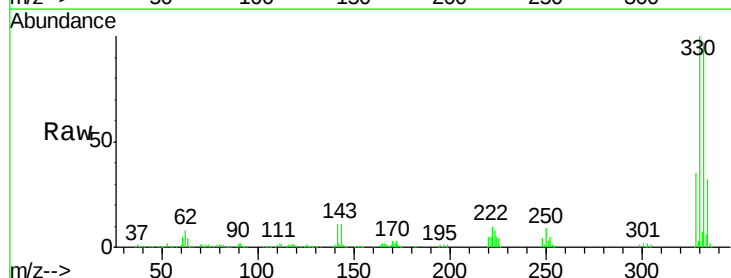


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

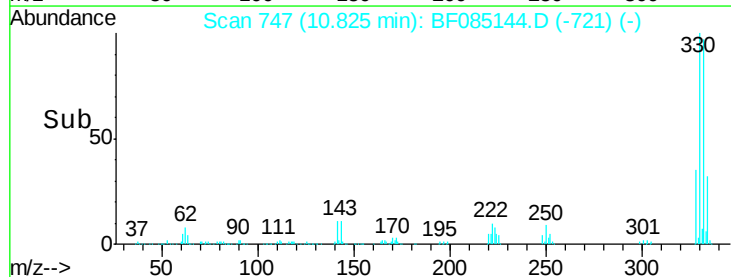
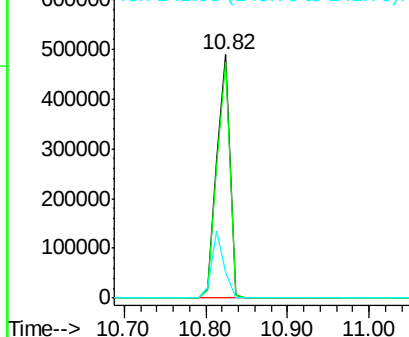


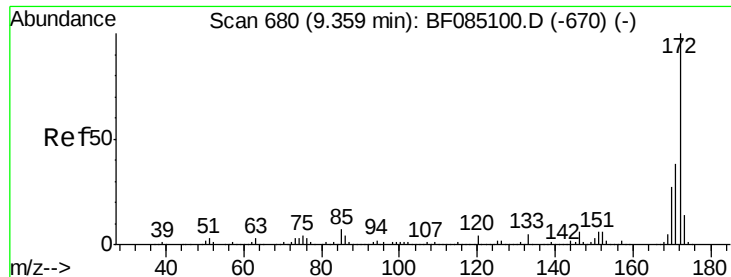
#41
 2,4,6-Tribromophenol
 Concen: 175.67 ng
 RT: 10.82 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF085144.D
 Acq: 3 Mar 2016 2:48

Tgt Ion:330 Resp: 547466
 Ion Ratio Lower Upper
 330 100
 332 96.3 75.9 113.9
 141 26.4 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

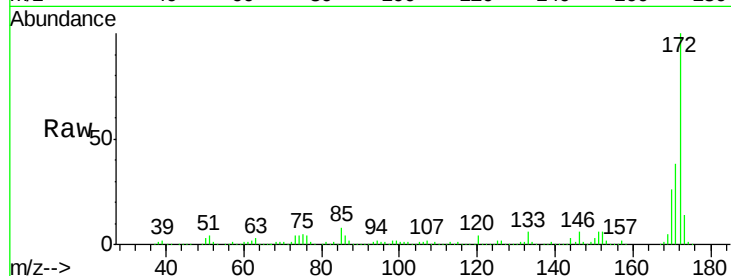




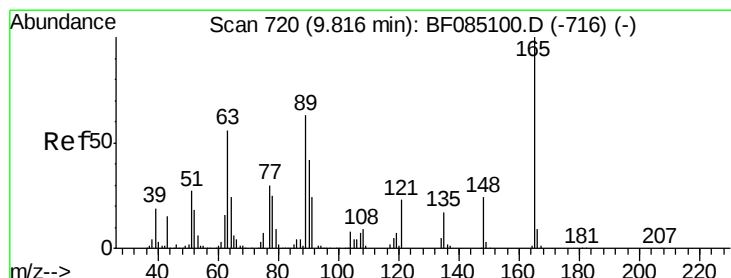
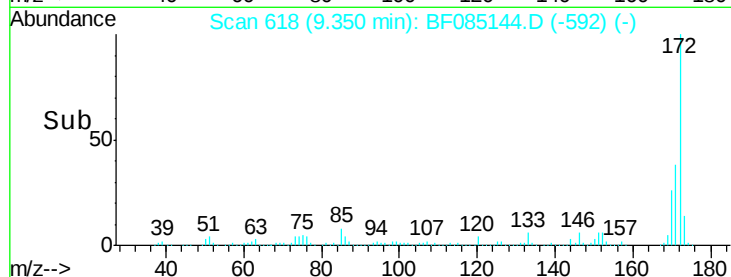
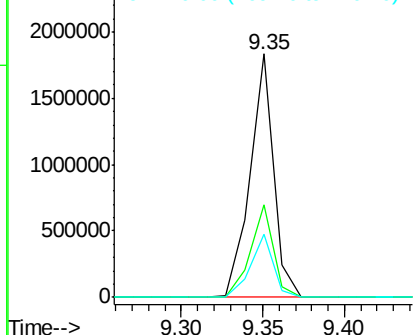
#44
 2-Fluorobiphenyl
 Concen: 87.40 ng
 RT: 9.35 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF085144.D
 Acq: 3 Mar 2016 2:48

Instrument :
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 ClientSampleId :
 HSR-WC-36-022516

Tgt Ion:172 Resp: 1840288
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.5 45.7
 170 25.7 21.2 31.8

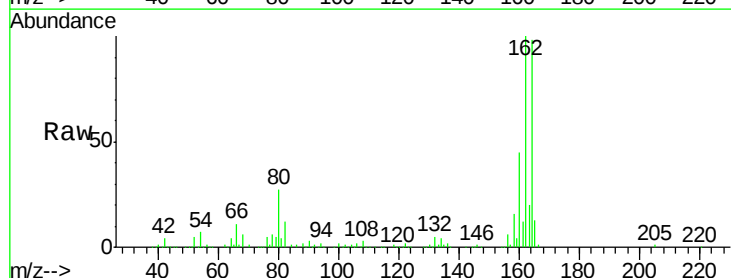


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

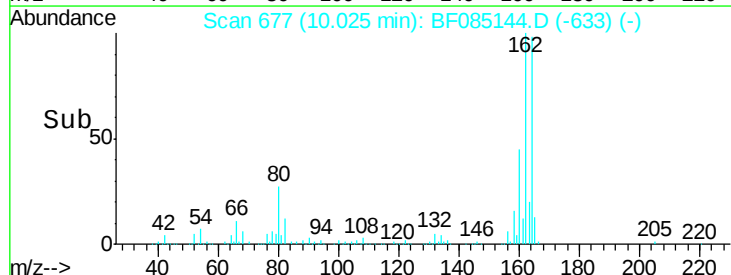
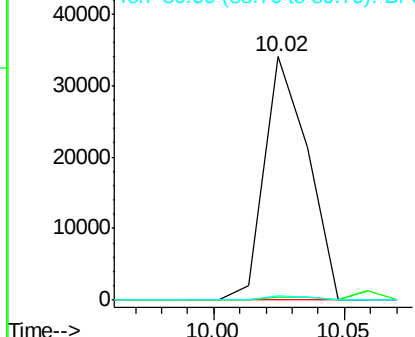


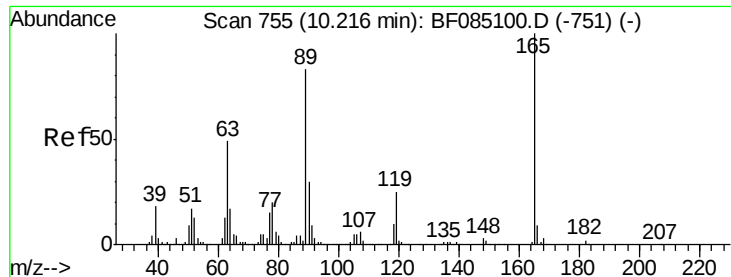
#50
 2,6-Dinitrotoluene
 Concen: 8.26 ng
 RT: 10.02 min Scan# 677
 Delta R.T. 0.21 min
 Lab File: BF085144.D
 Acq: 3 Mar 2016 2:48

Tgt Ion:165 Resp: 39403
 Ion Ratio Lower Upper
 165 100
 63 1.3 47.4 71.2#
 89 1.7 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

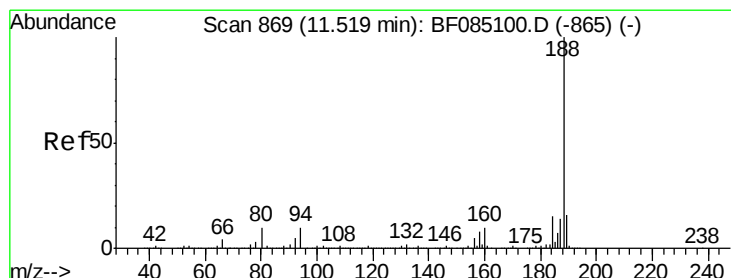
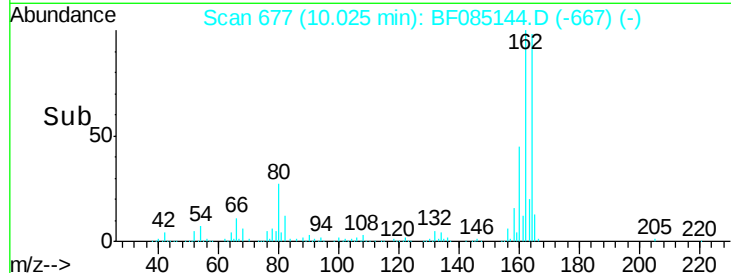
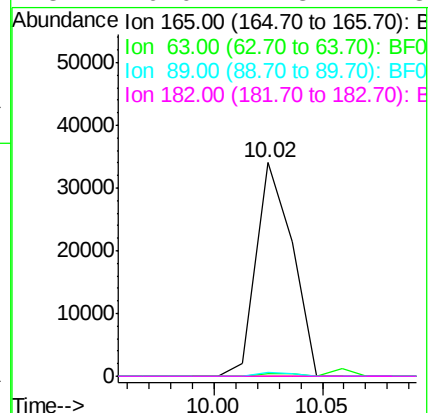
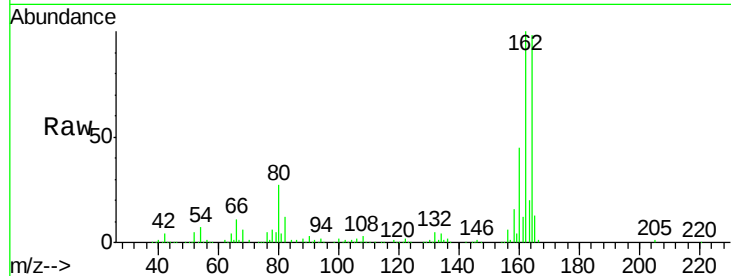




#56
 2,4-Dinitrotoluene
 Concen: 6.13 ng
 RT: 10.02 min Scan# 677
 Delta R.T. -0.19 min
 Lab File: BF085144.D
 Acq: 3 Mar 2016 2:48

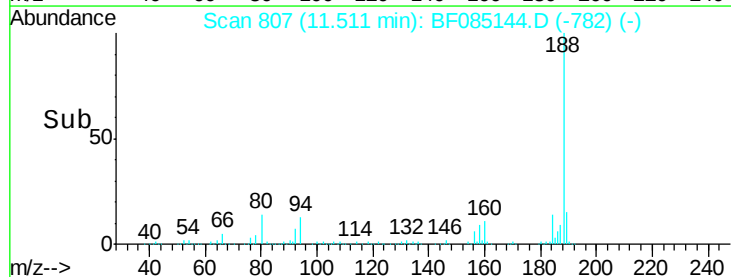
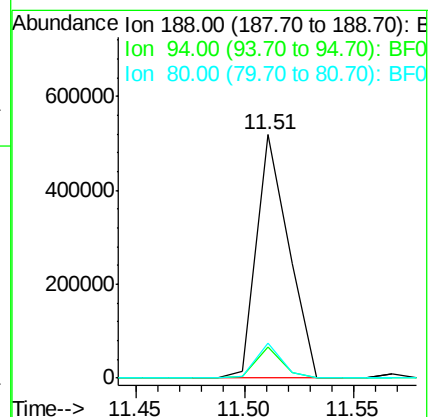
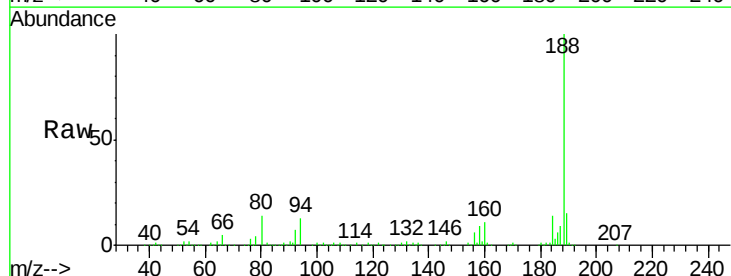
Instrument :
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 ClientSampleId :
 HSR-WC-36-022516

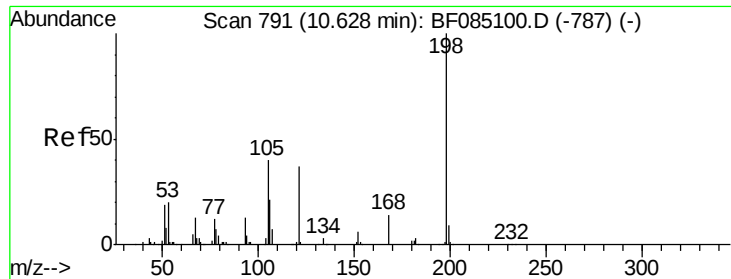
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	39.2	58.8#
89	1.7	66.2	99.4#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF085144.D
 Acq: 3 Mar 2016 2:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.0	7.8	11.6#
80	14.4	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: BF085144.D

Acq: 3 Mar 2016 2:48

Instrument :

BNA_F

ClientSampleId :

HSR-WC-36-022516

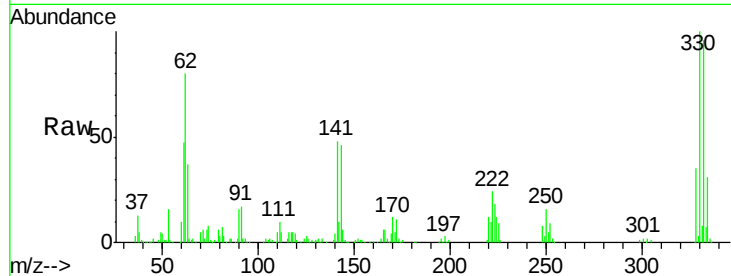
Tgt Ion:198 Resp: 1034

Ion Ratio Lower Upper

198 100

51 165.8 12.5 52.5#

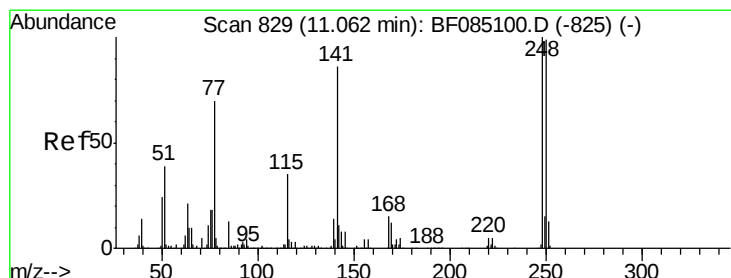
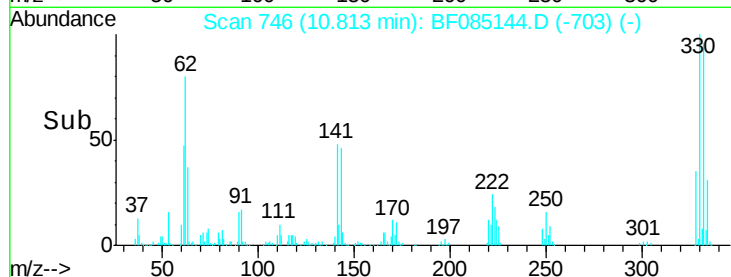
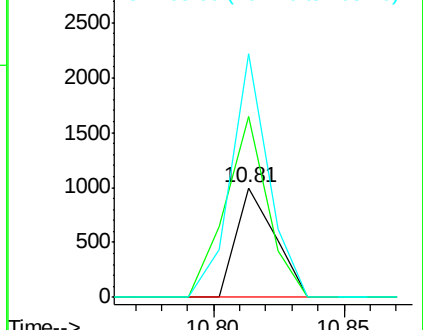
105 222.6 20.2 60.2#



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: 5.57 ng

RT: 10.81 min Scan# 746

Delta R.T. -0.25 min

Lab File: BF085144.D

Acq: 3 Mar 2016 2:48

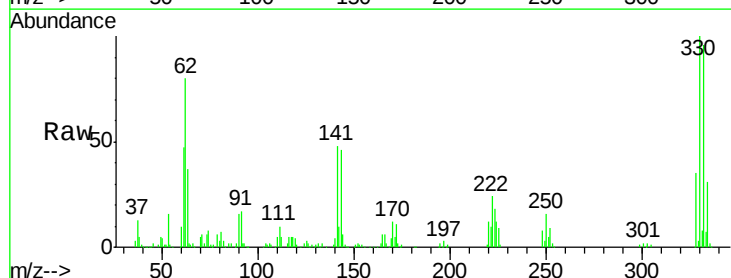
Tgt Ion:248 Resp: 31300

Ion Ratio Lower Upper

248 100

250 197.2 79.0 118.4#

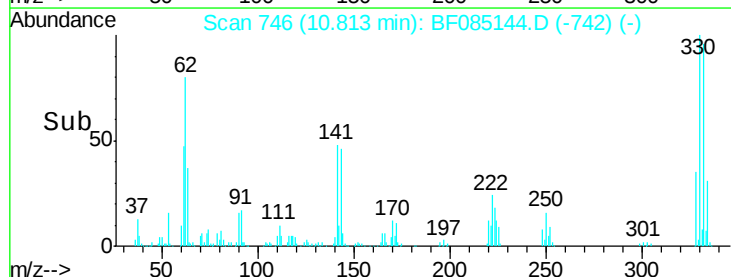
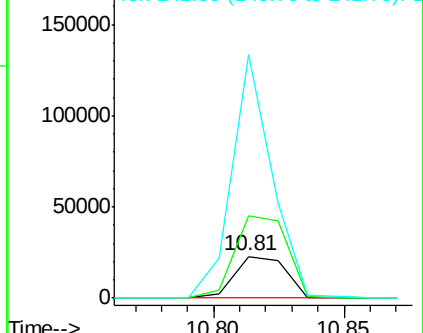
141 587.4 68.6 103.0#

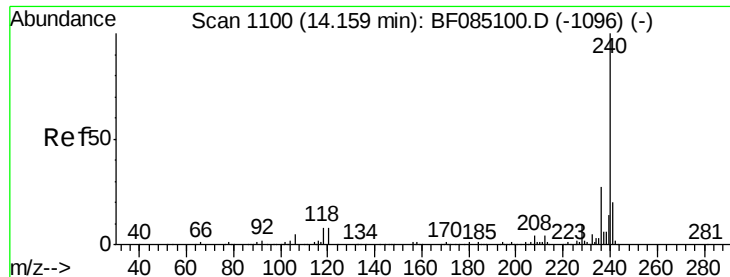


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF085144.D

Acq: 3 Mar 2016 2:48

Instrument :

BNA_F

ClientSampleId :

HSR-WC-36-022516

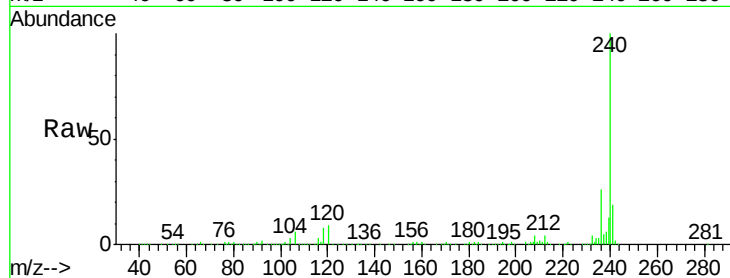
Tgt Ion:240 Resp: 390282

Ion Ratio Lower Upper

240 100

120 9.1 6.7 10.1

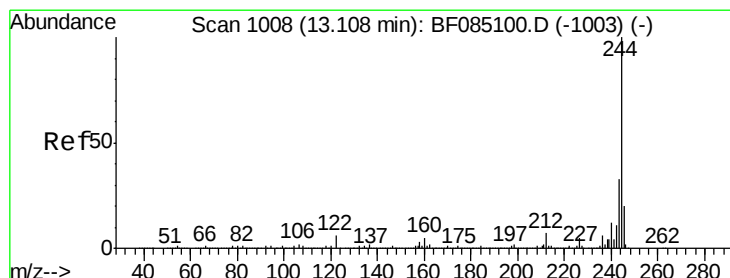
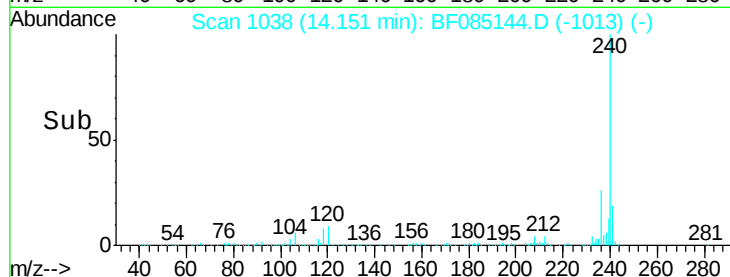
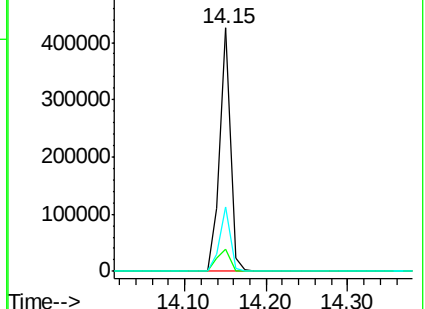
236 26.2 21.6 32.4



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: 92.98 ng

RT: 13.10 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF085144.D

Acq: 3 Mar 2016 2:48

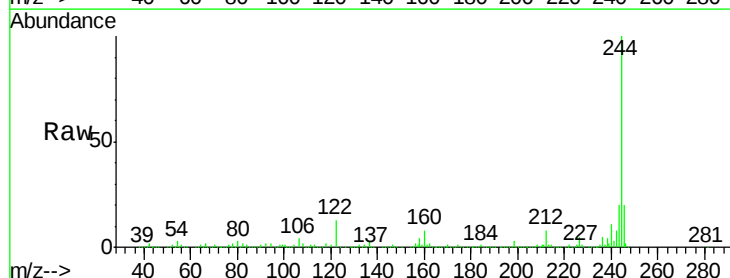
Tgt Ion:244 Resp: 1546846

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

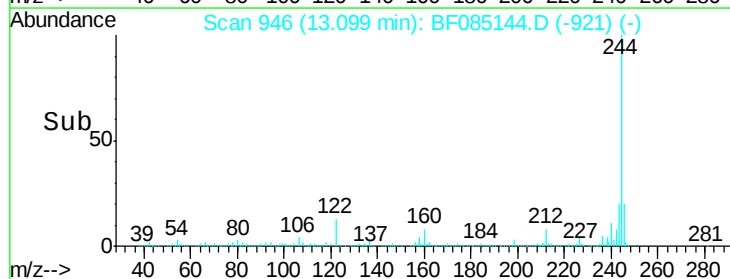
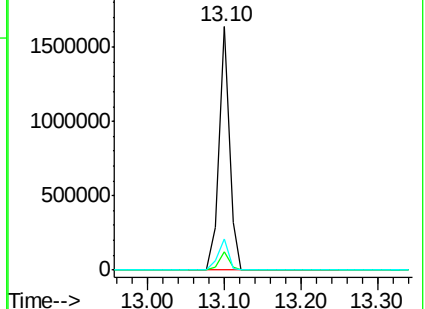
122 12.9 5.1 7.7#

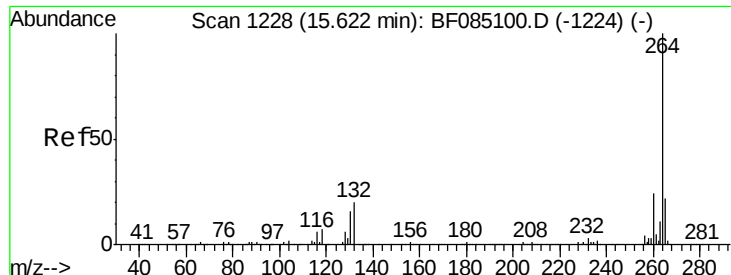


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF085144.D
Acq: 3 Mar 2016 2:48

Instrument :
BNA_F
ClientSampleId :
HSR-WC-36-022516

Tgt Ion: 264 Resp: 381895
Ion Ratio Lower Upper
264 100
260 25.1 19.6 29.4
265 21.5 17.4 26.2

