

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020216\
 Data File : BF084781.D
 Acq On : 3 Feb 2016 8:58
 Operator : SJ/IZ
 Sample : H1313-07
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-26-012916

Quant Time: Feb 03 09:52:36 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

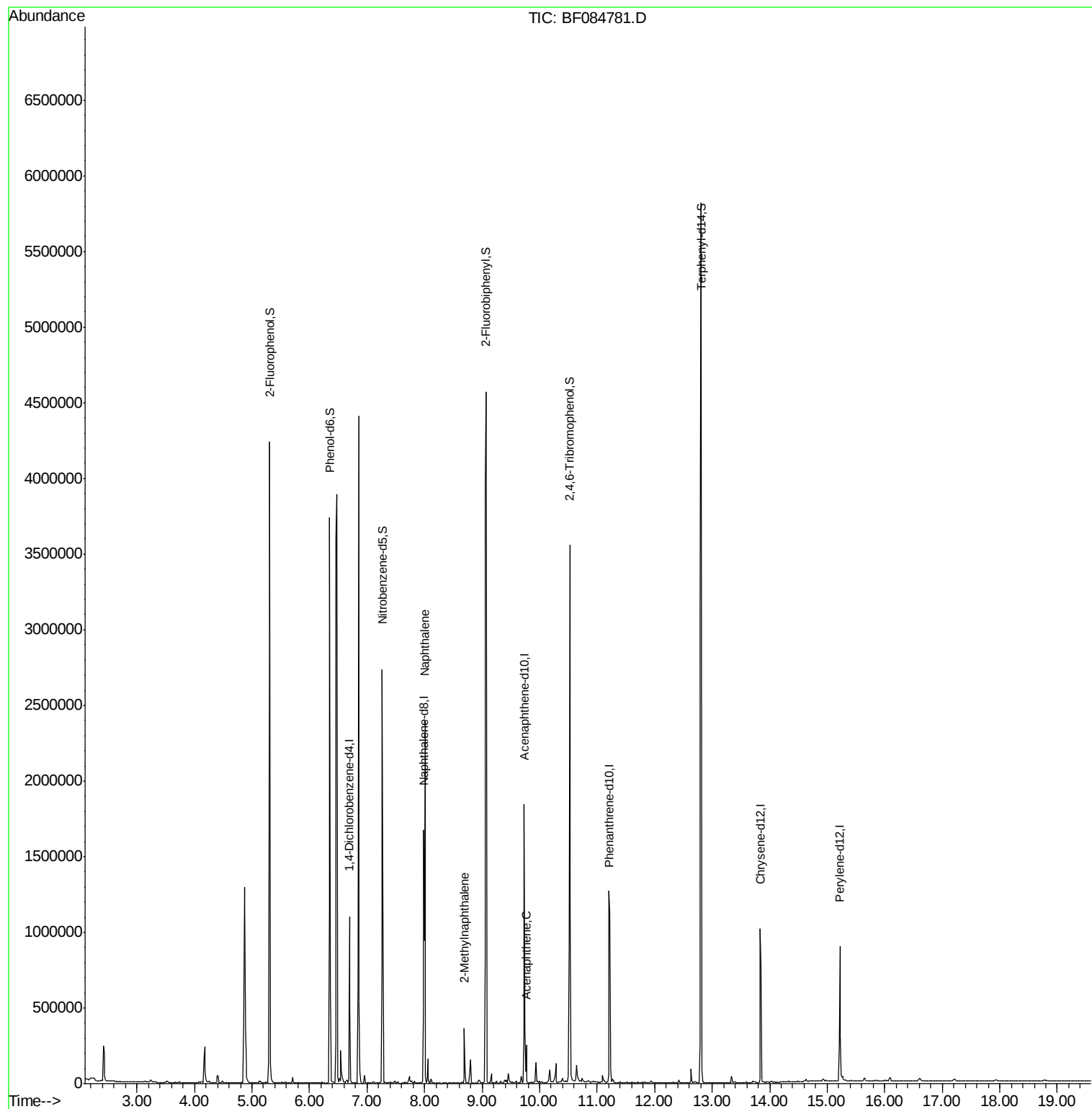
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	175531	20.00	ng	-0.03
21) Naphthalene-d8	7.98	136	767382	20.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	364427	20.00	ng	-0.03
63) Phenanthrene-d10	11.22	188	679614	20.00	ng	-0.02
75) Chrysene-d12	13.84	240	479540	20.00	ng	-0.03
86) Perylene-d12	15.22	264	389895	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1434422	127.29	ng	0.00
7) Phenol-d6	6.35	99	1344691	96.25	ng	-0.02
23) Nitrobenzene-d5	7.26	82	1073459	78.80	ng	-0.03
41) 2,4,6-Tribromophenol	10.52	330	512964	134.95	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	2175369	112.90	ng	-0.02
78) Terphenyl-d14	12.81	244	2052575	96.99	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.01	128	1109678	28.83	ng	100
37) 2-Methylnaphthalene	8.69	142	106352	4.41	ng	96
51) Acenaphthene	9.77	154	58047	2.45	ng	97

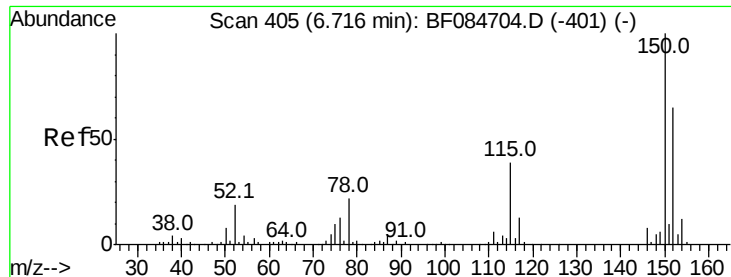
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.03 min

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Instrument :

BNA_F

ClientSampleId :

HSR-WC-26-012916

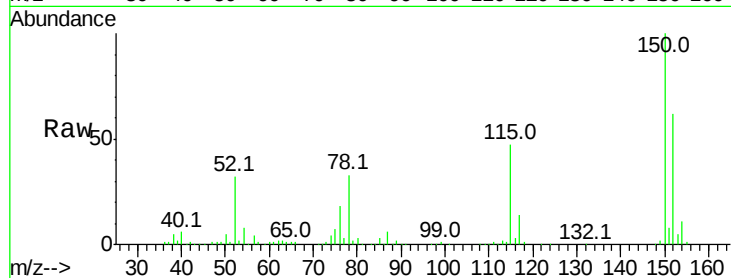
Tot Ion:152 Resp: 175531

Ion Ratio Lower Upper

152 100

150 160.1 123.0 184.4

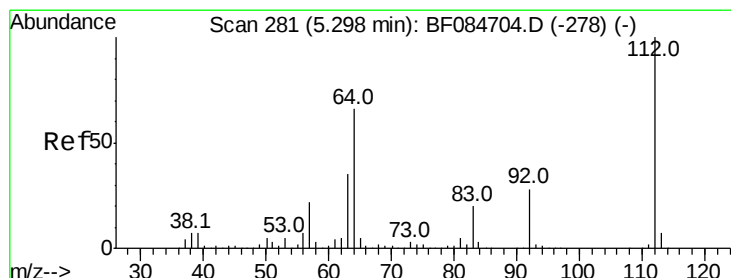
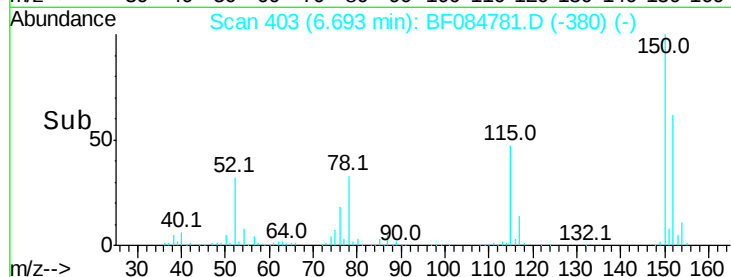
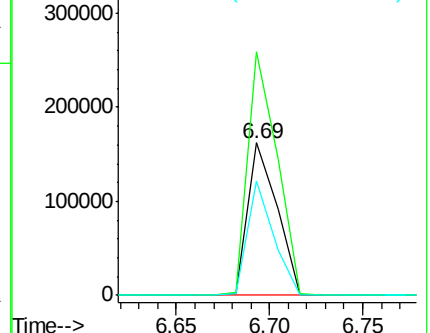
115 75.0 51.4 77.2



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: 127.29 ng

RT: 5.31 min Scan# 282

Delta R.T. 0.00 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

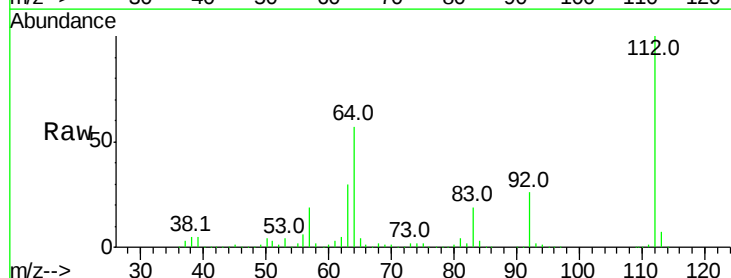
Tgt Ion:112 Resp: 1434422

Ion Ratio Lower Upper

112 100

64 56.9 36.6 55.0#

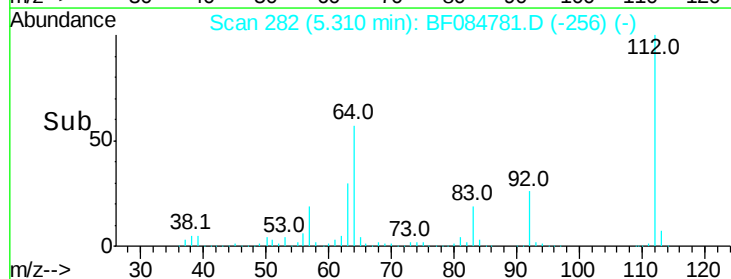
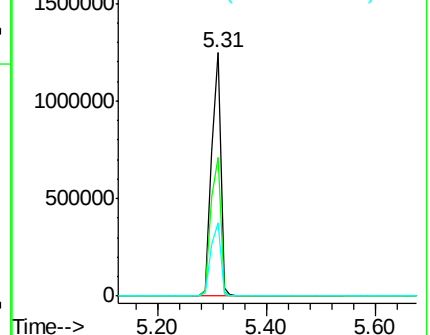
63 30.3 19.4 29.0#

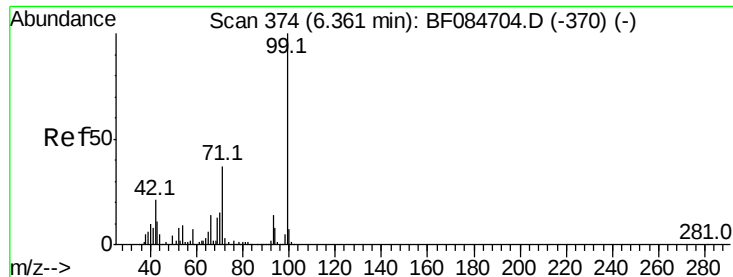


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.25 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

Instrument :

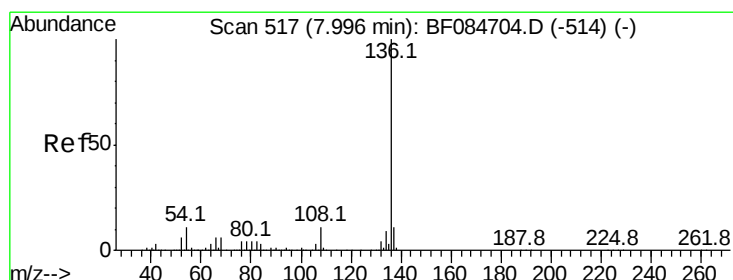
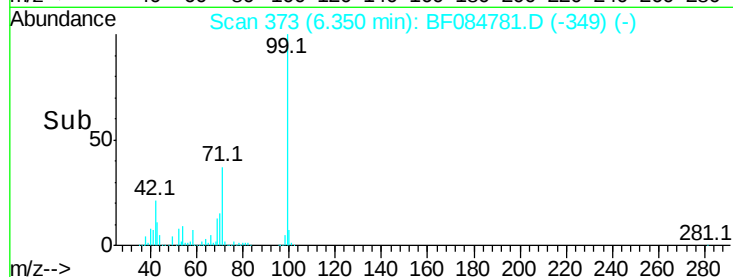
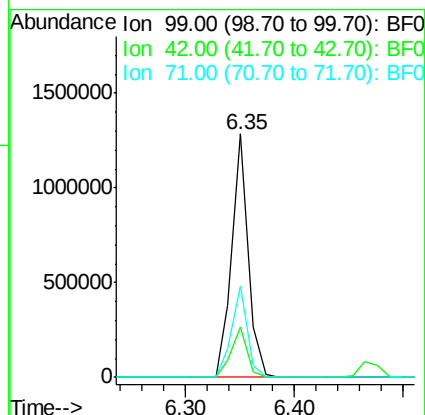
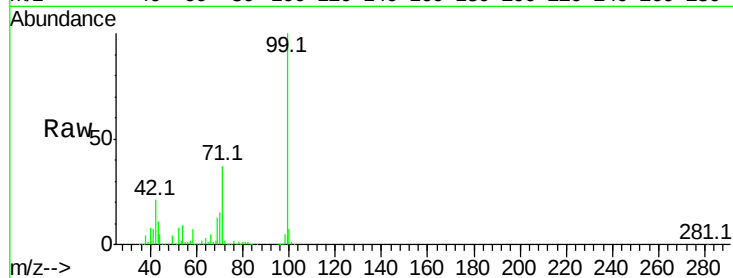
BNA_F

ClientSampleId :

HSR-WC-26-012916

Tot Ion: 99 Resp: 1344691

Ion	Ratio	Lower	Upper
99	100		
42	20.7	12.8	19.2#
71	37.4	30.9	46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

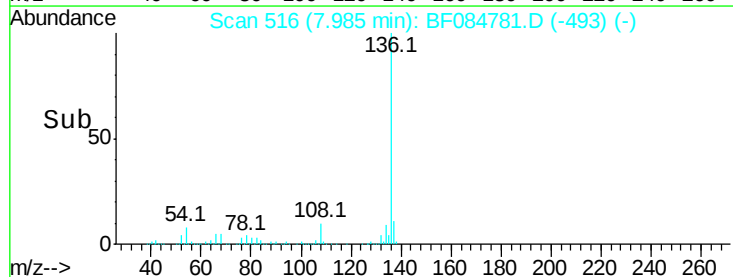
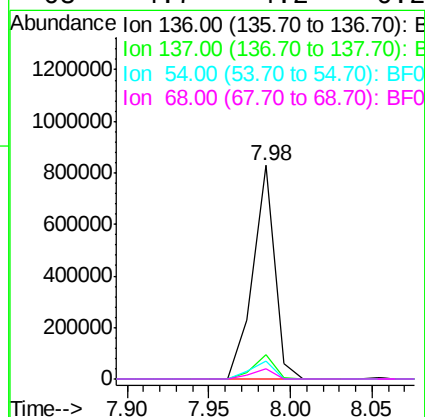
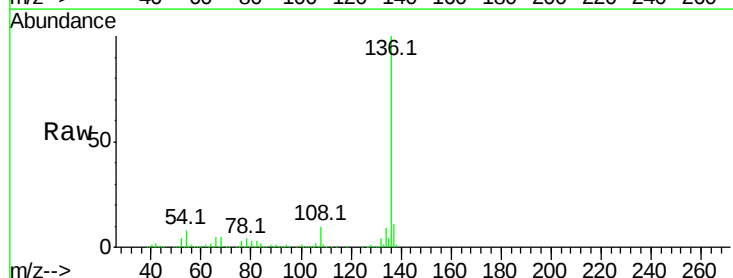
Delta R.T. -0.03 min

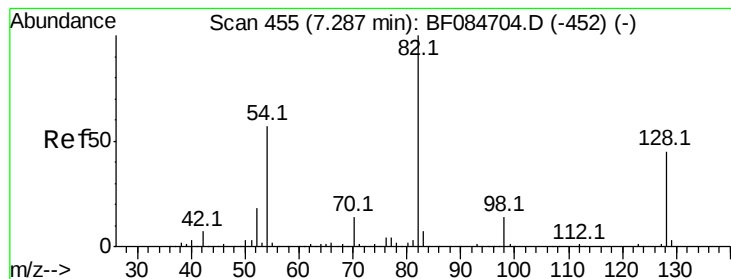
Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

Tgt Ion: 136 Resp: 767382

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	8.4	5.8	8.8
68	4.7	4.2	6.2





#23

Nitrobenzene-d5

Concen: 78.80 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.03 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

Instrument :

BNA_F

ClientSampleId :

HSR-WC-26-012916

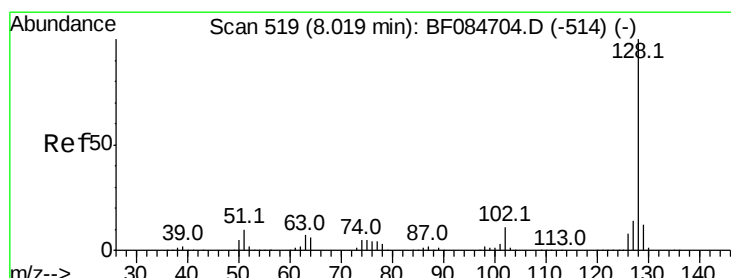
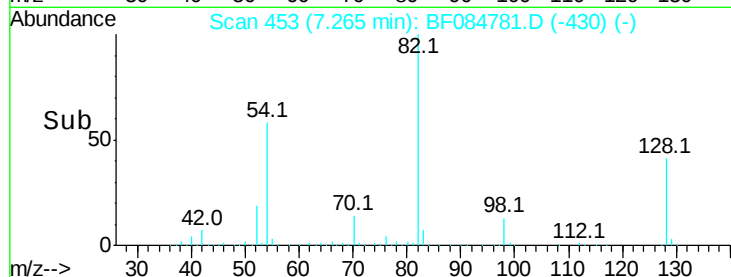
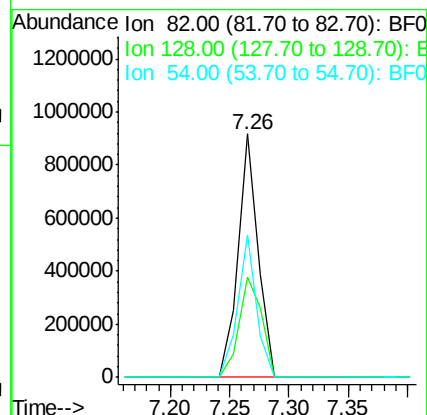
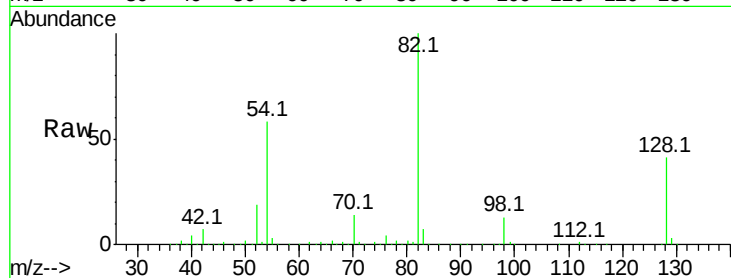
Tot Ion: 82 Resp: 1073459

Ion Ratio Lower Upper

82 100

128 41.4 34.6 51.8

54 58.5 38.4 57.6#



#31

Naphthalene

Concen: 28.83 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

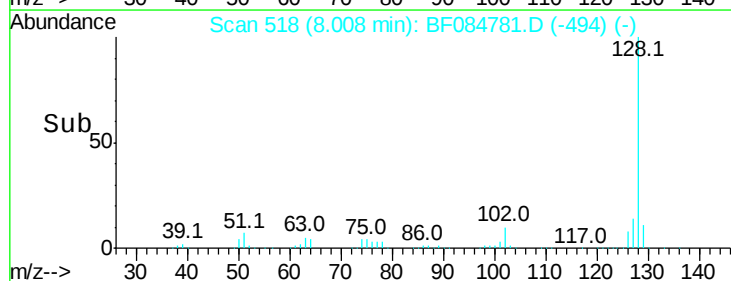
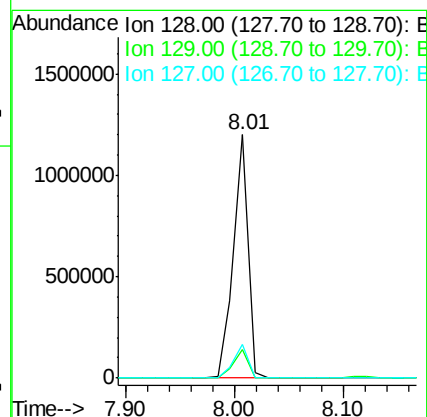
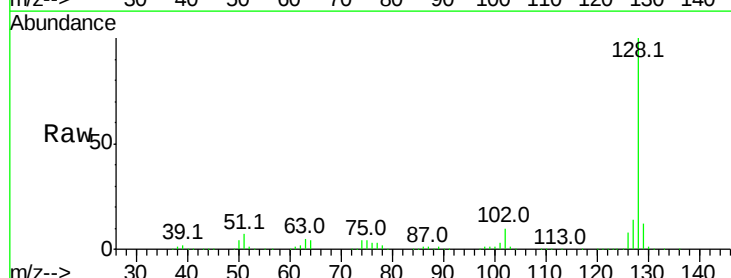
Tgt Ion:128 Resp: 1109678

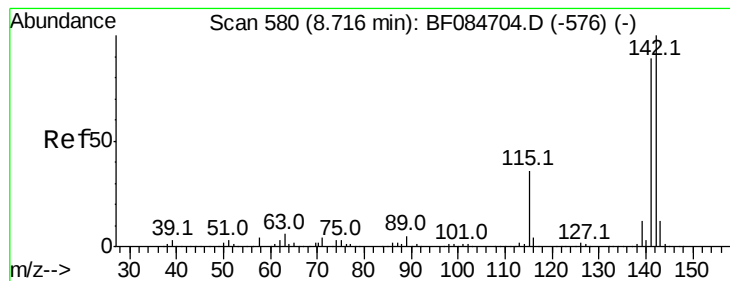
Ion Ratio Lower Upper

128 100

129 11.6 9.1 13.7

127 13.9 11.1 16.7





#37

2-Methylnaphthalene

Concen: 4.41 ng

RT: 8.69 min Scan# 578

Delta R.T. -0.03 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

Instrument :

BNA_F

ClientSampleId :

HSR-WC-26-012916

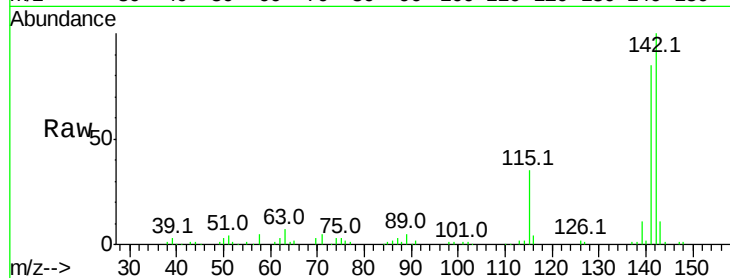
Tot Ion:142 Resp: 106352

Ion Ratio Lower Upper

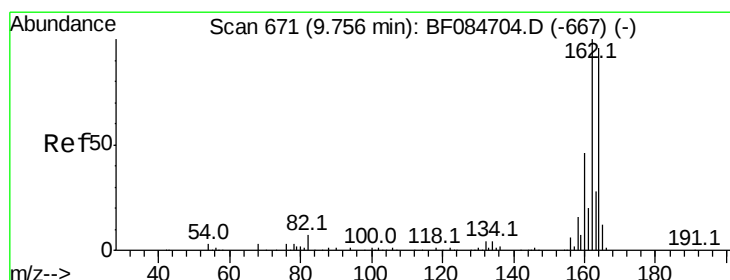
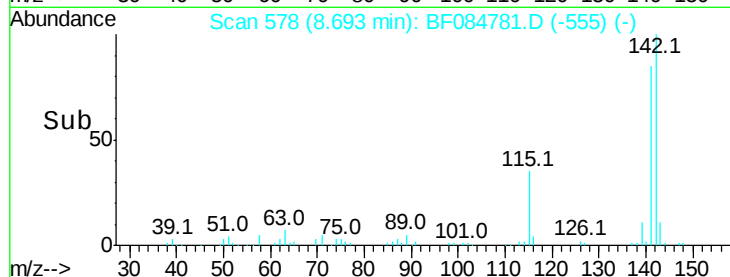
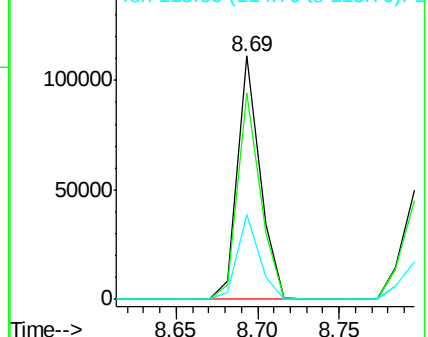
142 100

141 84.9 72.4 108.6

115 34.7 27.9 41.9



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: 9.73 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

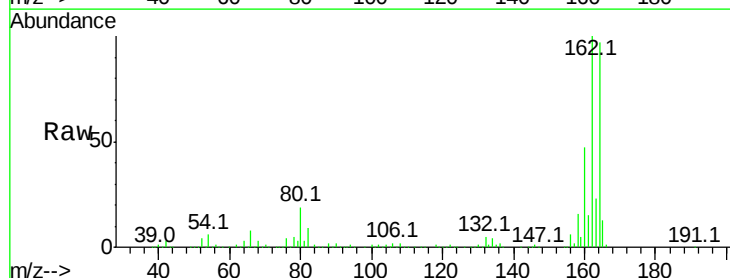
Tgt Ion:164 Resp: 364427

Ion Ratio Lower Upper

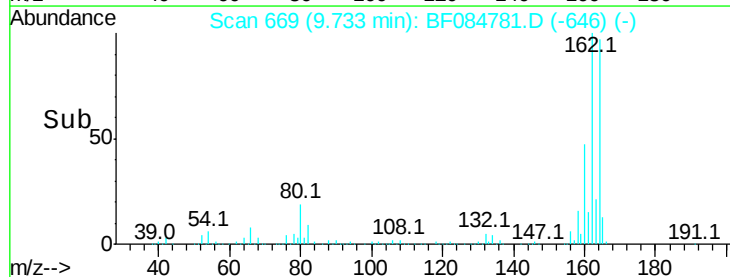
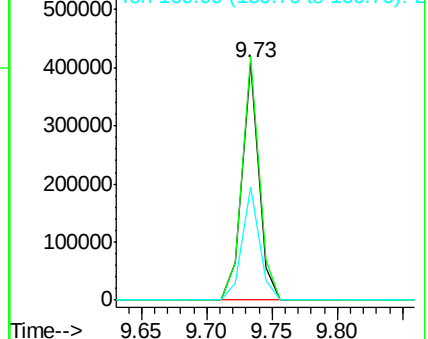
164 100

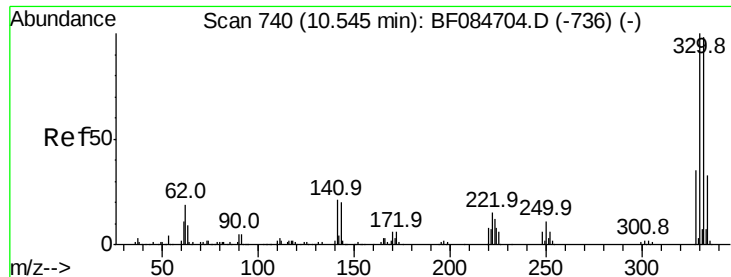
162 102.6 85.1 127.7

160 47.8 37.5 56.3



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

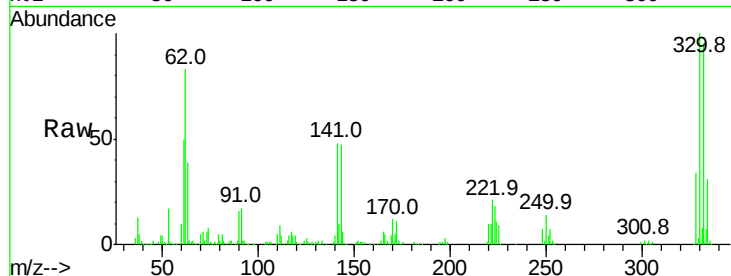




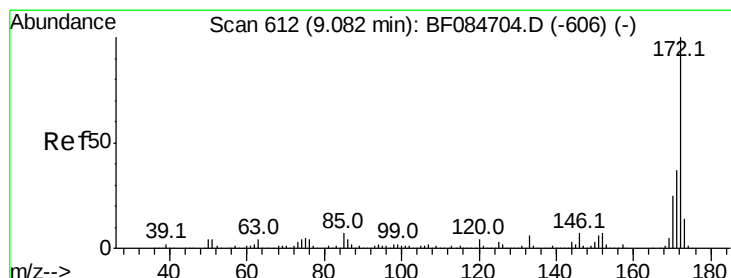
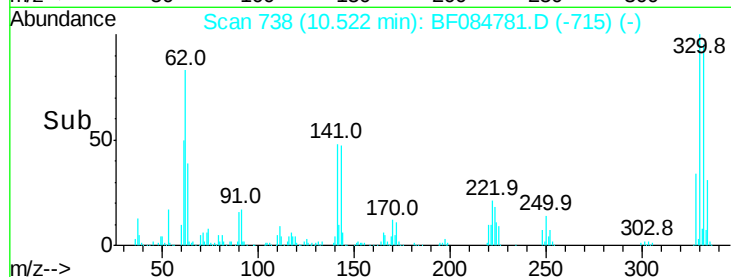
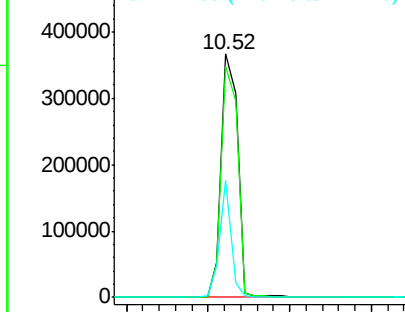
#41
 2,4,6-Tribromophenol
 Concen: 134.95 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.03 min
 Lab File: BF084781.D
 Acq: 3 Feb 2016 8:58

Instrument :
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 ClientSampleId :
 HSR-WC-26-012916

Tot Ion:330 Resp: 512964
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.6 114.8
 141 33.7 27.8 41.6

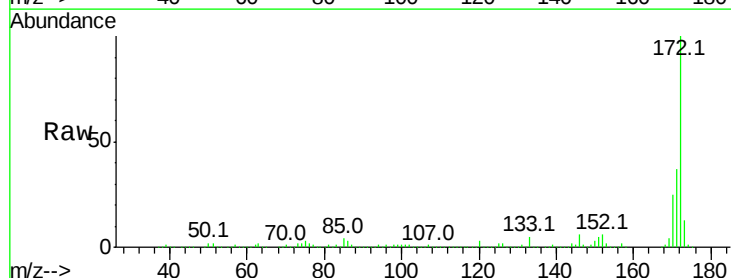


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

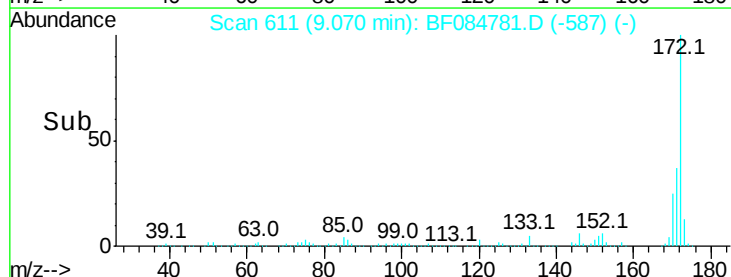
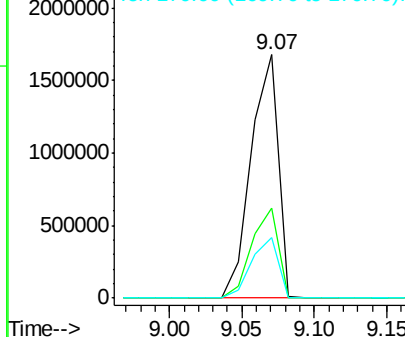


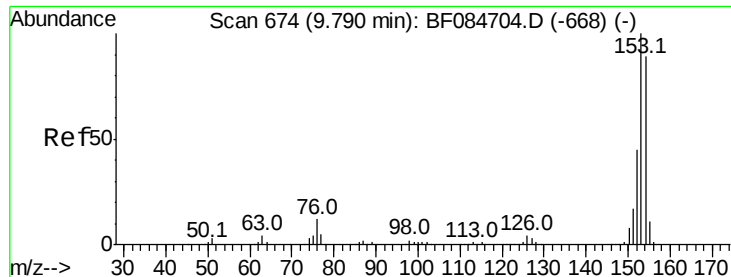
#44
 2-Fluorobiphenyl
 Concen: 112.90 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF084781.D
 Acq: 3 Feb 2016 8:58

Tgt Ion:172 Resp: 2175369
 Ion Ratio Lower Upper
 172 100
 171 36.9 28.9 43.3
 170 24.9 18.6 27.8



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





#51

Acenaphthene

Concen: 2.45 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.03 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

Instrument :

BNA_F

ClientSampleId :

HSR-WC-26-012916

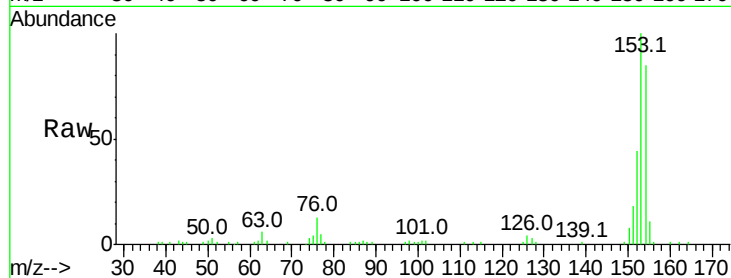
Tot Ion:154 Resp: 58047

Ion Ratio Lower Upper

154 100

153 117.7 91.5 137.3

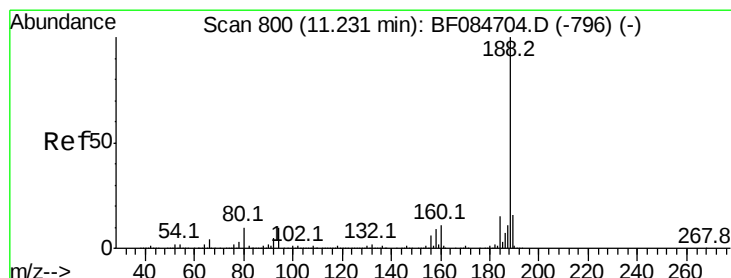
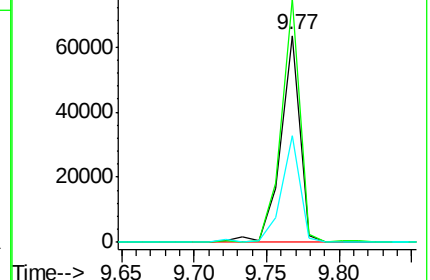
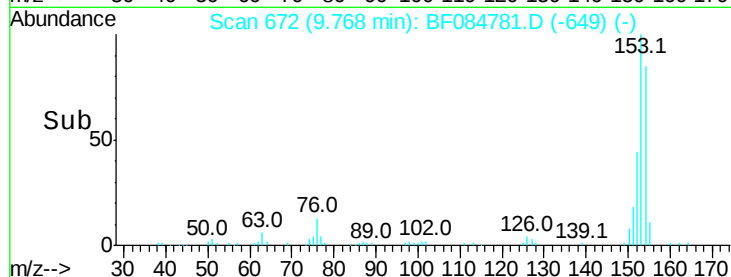
152 51.5 43.0 64.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.02 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

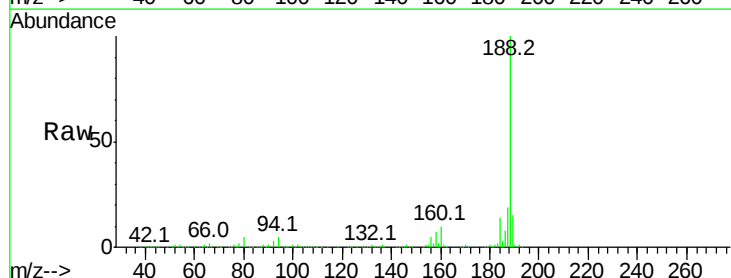
Tgt Ion:188 Resp: 679614

Ion Ratio Lower Upper

188 100

94 5.2 9.0 13.4#

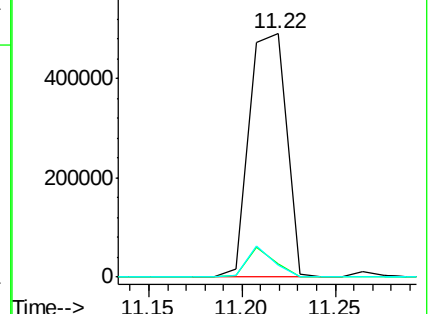
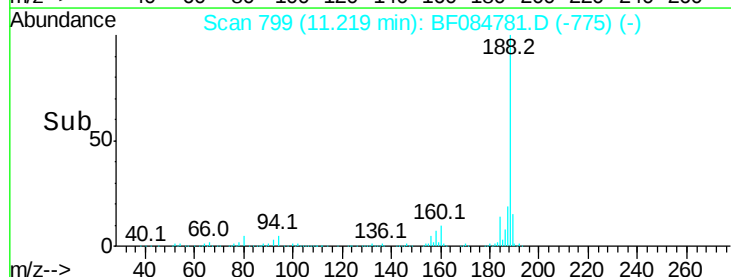
80 4.8 9.6 14.4#

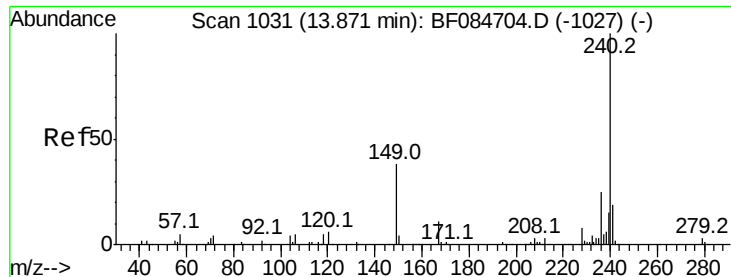


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

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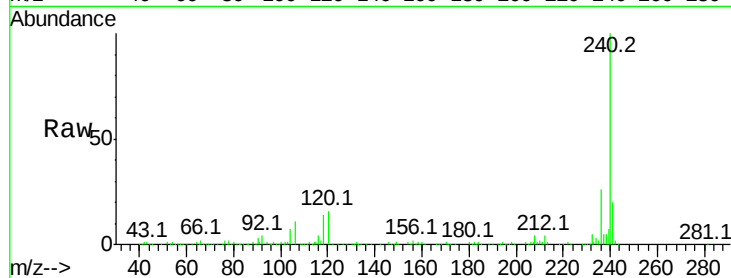
Tot Ion:240 Resp: 479540

Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

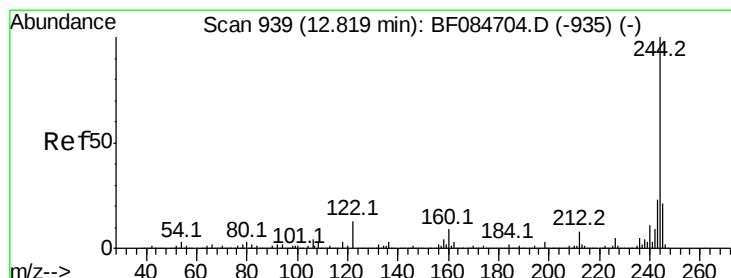
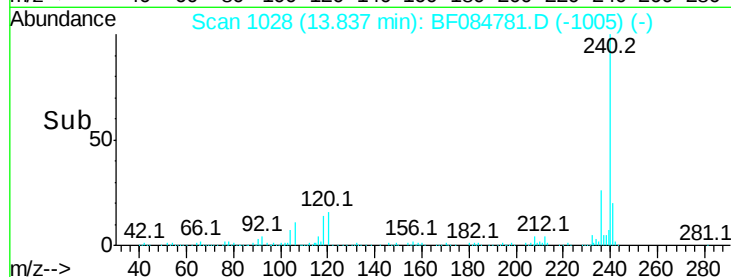
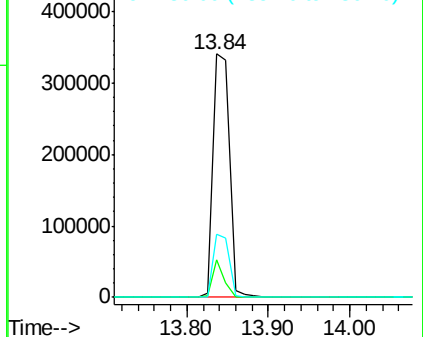
236 26.0 20.6 31.0



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: 96.99 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF084781.D

Acq: 3 Feb 2016 8:58

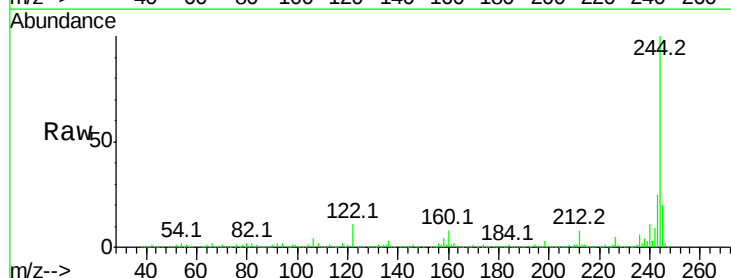
Tgt Ion:244 Resp: 2052575

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

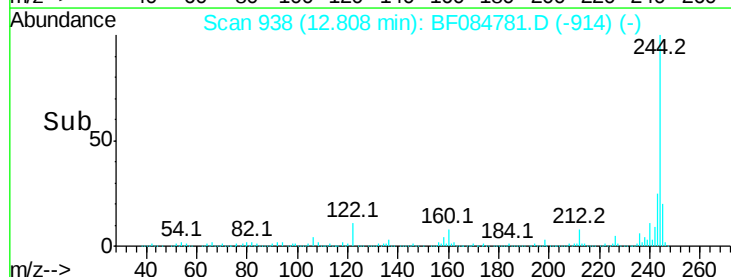
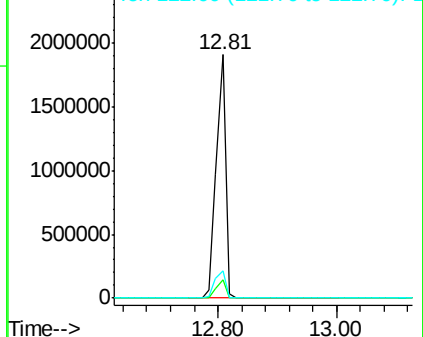
122 11.1 7.4 11.0#

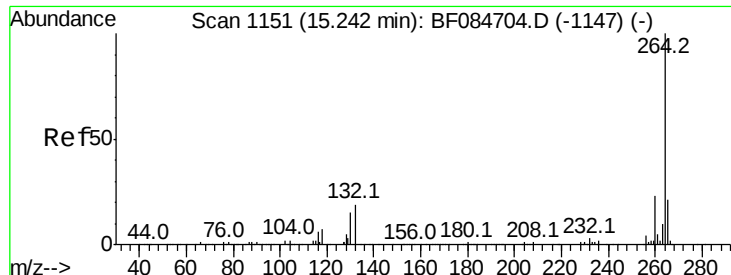


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

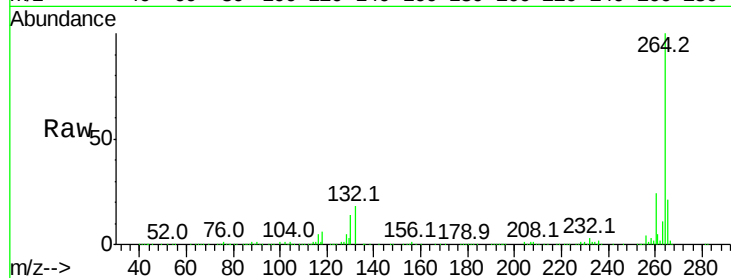




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.22 min Scan# 1149
 Delta R.T. -0.03 min
 Lab File: BF084781.D
 Acq: 3 Feb 2016 8:58

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-26-012916

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	21.2	17.8	26.6



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

