

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
 Data File : BF084460.D
 Acq On : 13 Jan 2016 23:55
 Operator : SJ/UM
 Sample : H1083-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-16-010516

Quant Time: Jan 14 15:32:09 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

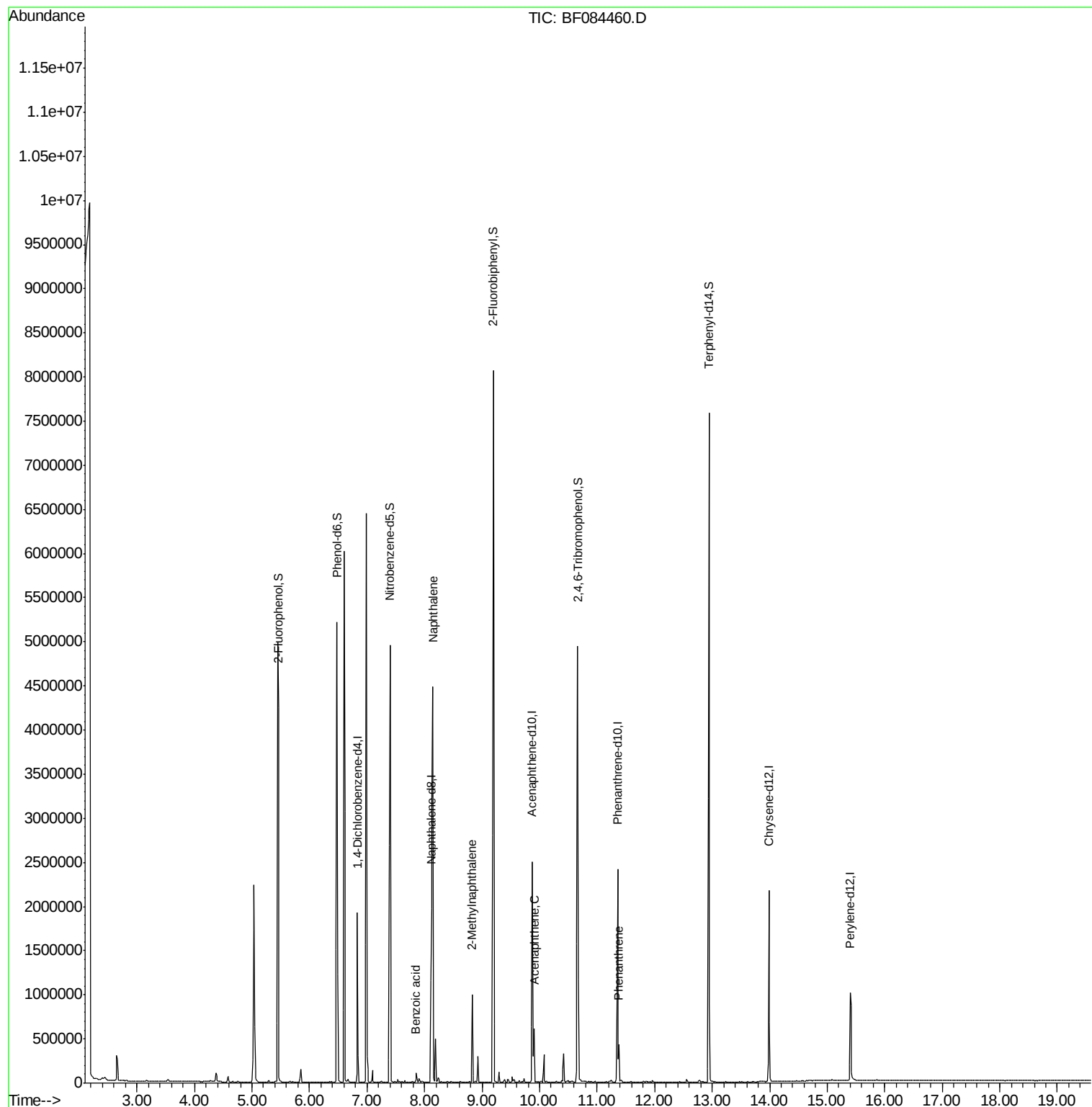
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	260297	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1043484	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	491679	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	936528	20.00	ng	0.00
75) Chrysene-d12	13.99	240	768313	20.00	ng	-0.01
86) Perylene-d12	15.40	264	549700	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1975405	122.75	ng	0.02
7) Phenol-d6	6.48	99	1967372	97.34	ng	0.00
23) Nitrobenzene-d5	7.40	82	1832581	97.74	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	664235	133.81	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	2528620	90.91	ng	0.00
78) Terphenyl-d14	12.94	244	2534766	73.64	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.14	128	2545742	53.77	ng	99
32) Benzoic acid	7.85	122	5679	6.69	ng	87
37) 2-Methylnaphthalene	8.83	142	262898	7.74	ng	97
51) Acenaphthene	9.90	154	163939	5.39	ng	98
70) Phenanthrene	11.38	178	191695	3.91	ng	98

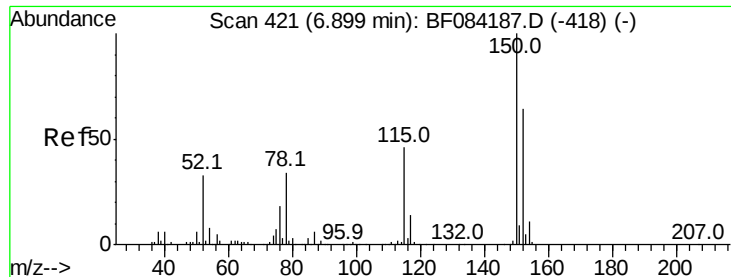
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 14 15:32:09 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

Instrument :

BNA_F

ClientSampleId :

HSR-WC-16-010516

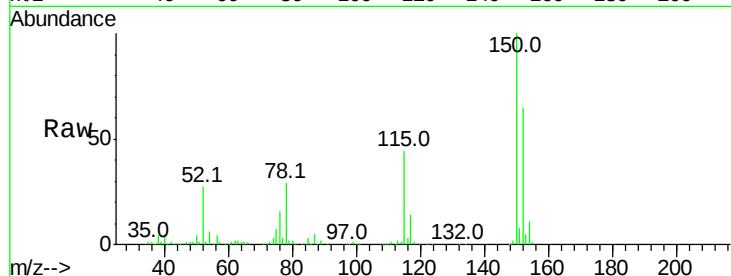
Tot Ion:152 Resp: 260297

Ion Ratio Lower Upper

152 100

150 153.0 123.0 184.4

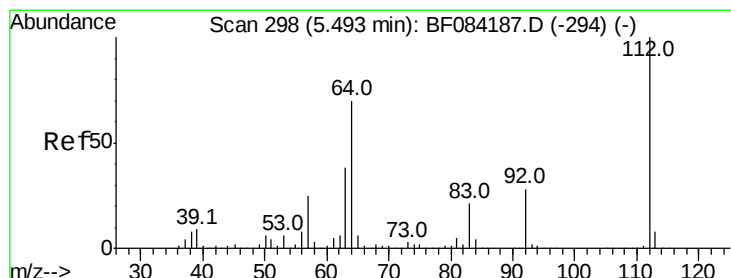
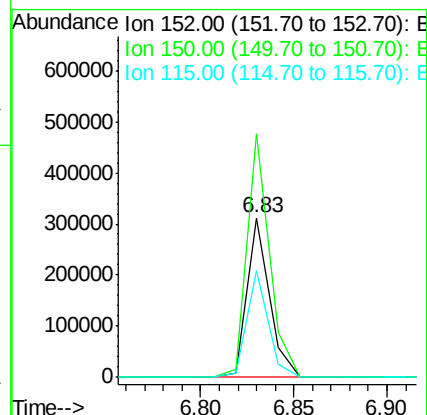
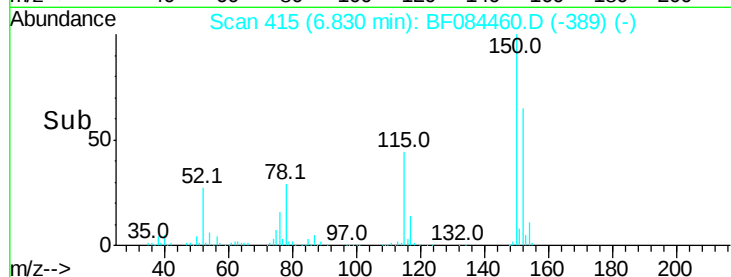
115 67.2 51.4 77.2



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: 122.75 ng

RT: 5.46 min Scan# 295

Delta R.T. 0.02 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

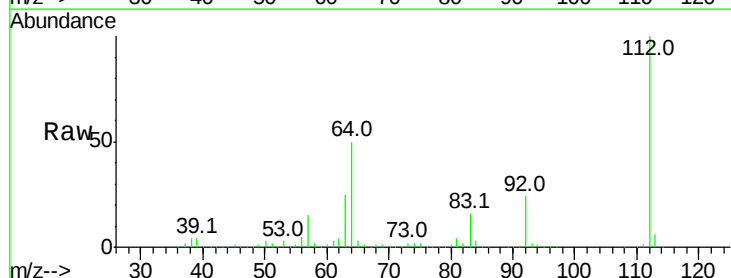
Tgt Ion:112 Resp: 1975405

Ion Ratio Lower Upper

112 100

64 49.5 36.6 55.0

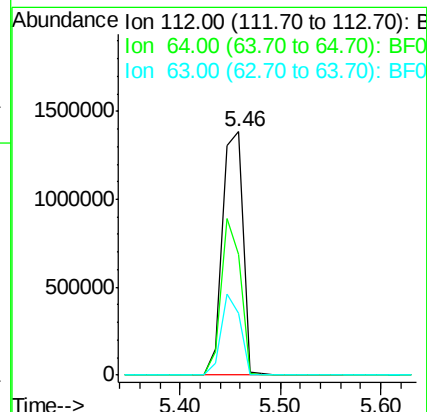
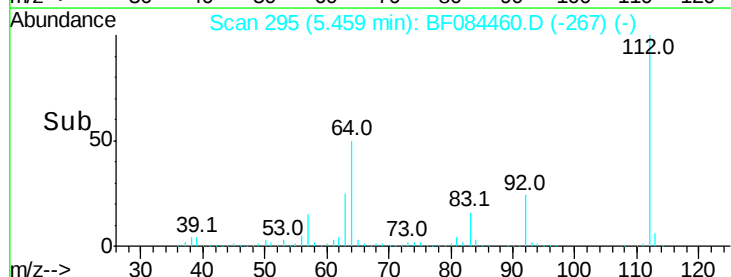
63 25.3 19.4 29.0

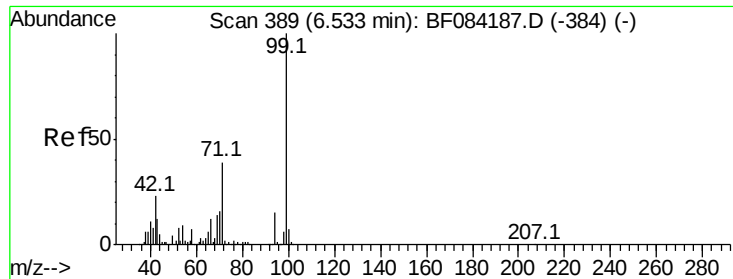


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.34 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

Instrument :

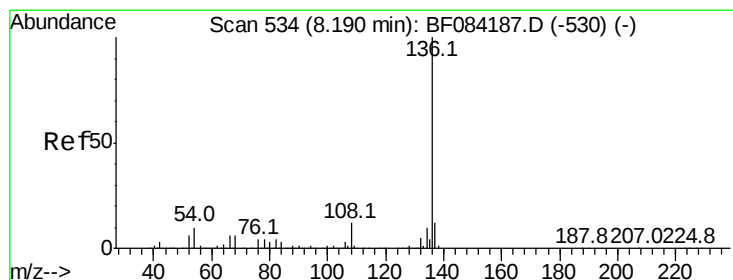
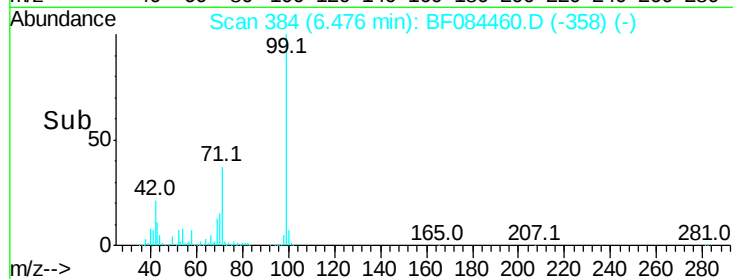
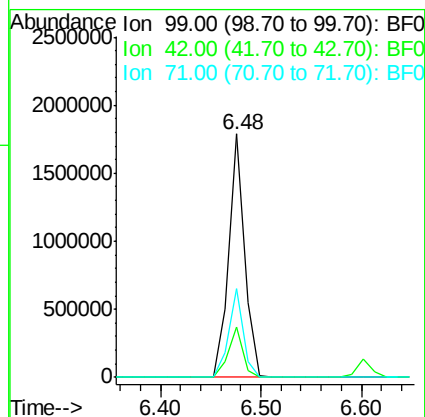
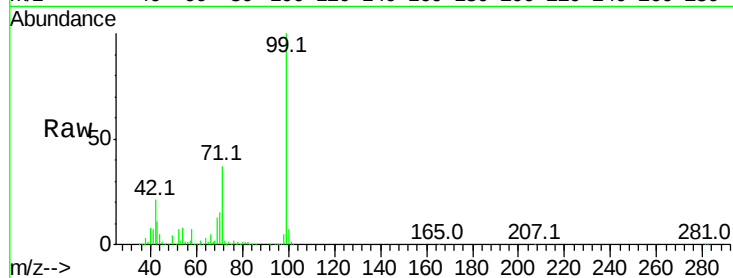
BNA_F

ClientSampleId :

HSR-WC-16-010516

Tot Ion: 99 Resp: 1967372

Ion	Ratio	Lower	Upper
99	100		
42	20.5	12.8	19.2#
71	36.6	30.9	46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

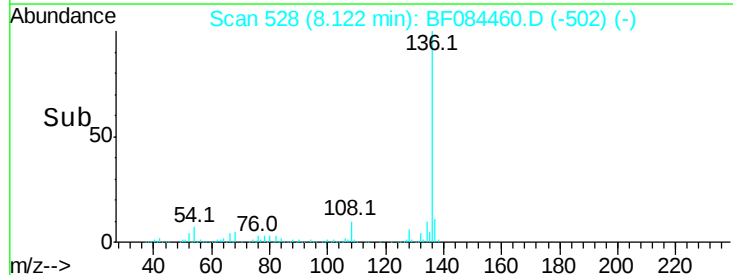
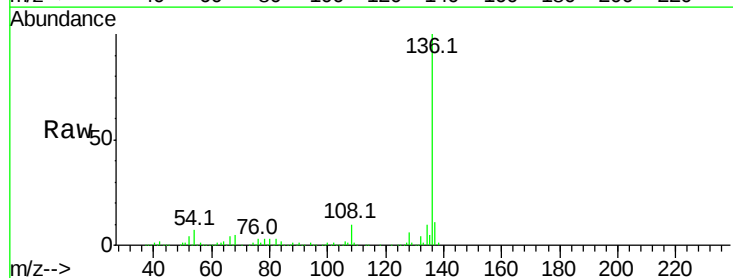
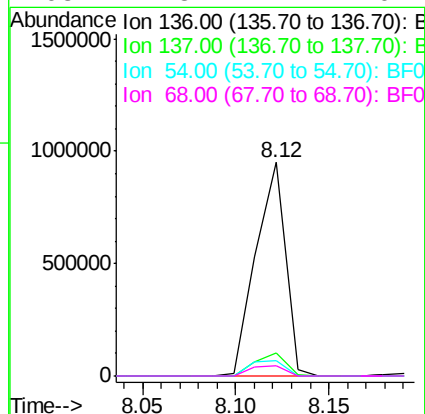
Delta R.T. 0.00 min

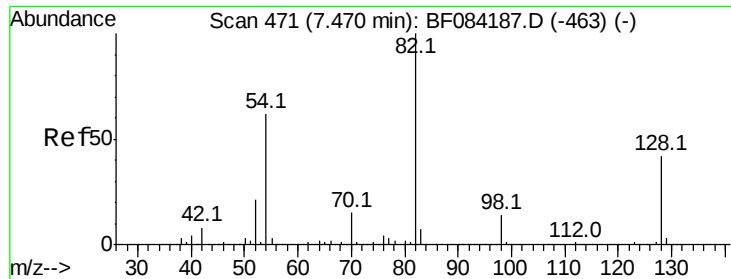
Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

Tgt Ion: 136 Resp: 1043484

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	7.4	5.8	8.8
68	4.8	4.2	6.2

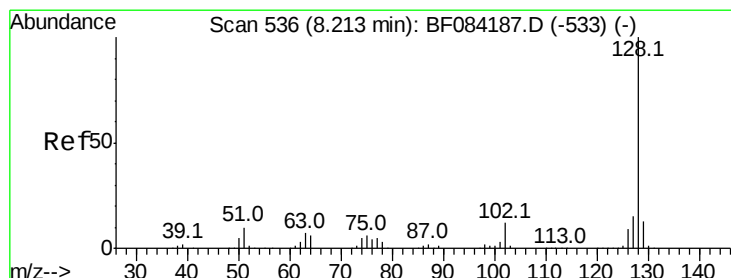
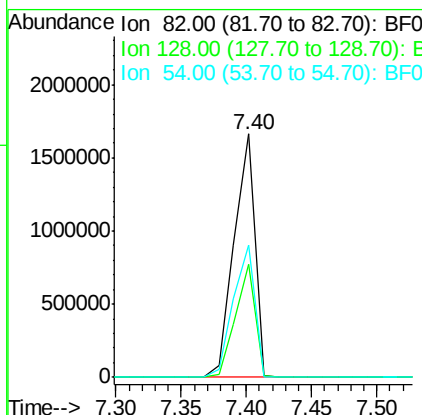
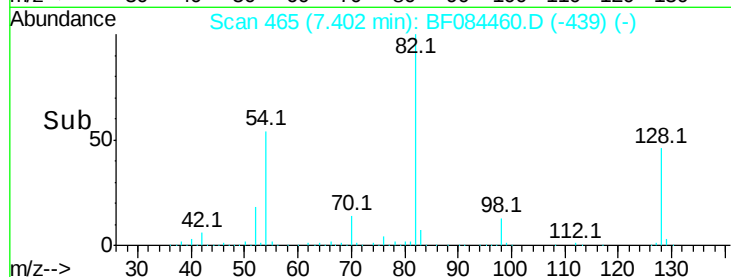
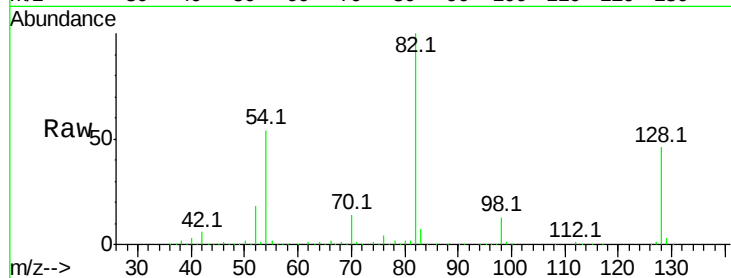




#23
 Nitrobenzene-d5
 Concen: 97.74 ng
 RT: 7.40 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: BF084460.D
 Acq: 13 Jan 2016 23:55

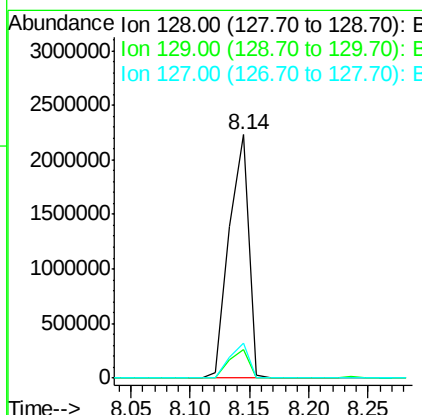
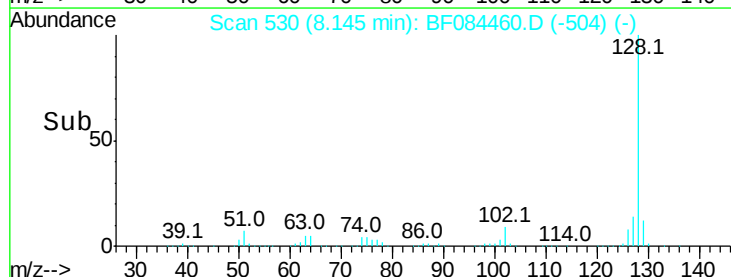
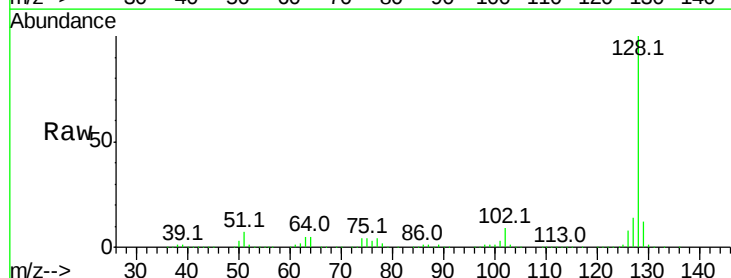
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-16-010516

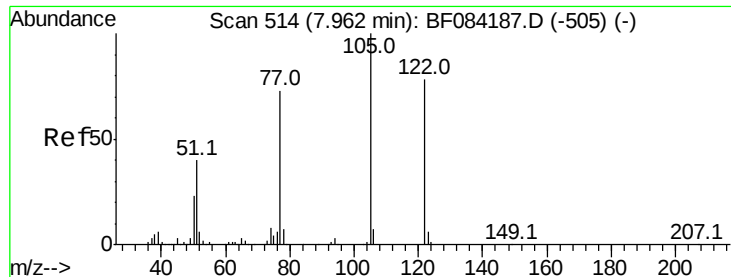
Tot Ion: 82 Resp: 1832581
 Ion Ratio Lower Upper
 82 100
 128 46.4 34.6 51.8
 54 54.1 38.4 57.6



#31
 Naphthalene
 Concen: 53.77 ng
 RT: 8.14 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: BF084460.D
 Acq: 13 Jan 2016 23:55

Tgt Ion: 128 Resp: 2545742
 Ion Ratio Lower Upper
 128 100
 129 11.9 9.1 13.7
 127 14.2 11.1 16.7





#32

Benzoic acid

Concen: 6.69 ng

RT: 7.85 min Scan# 504

Delta R.T. -0.05 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

Instrument :

BNA_F

ClientSampleId :

HSR-WC-16-010516

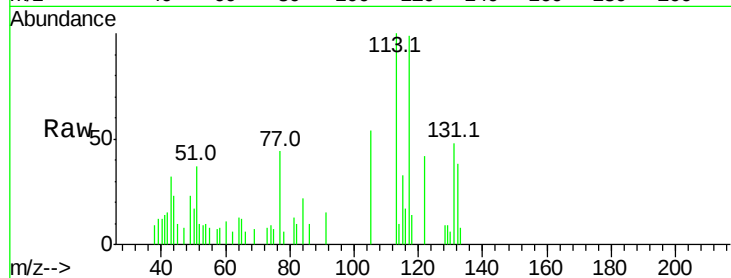
Tot Ion:122 Resp: 5679

Ion Ratio Lower Upper

122 100

105 126.9 100.3 140.3

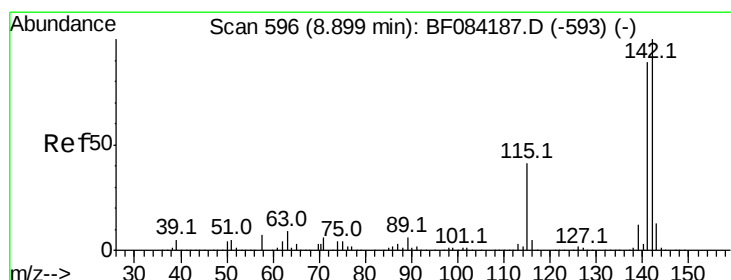
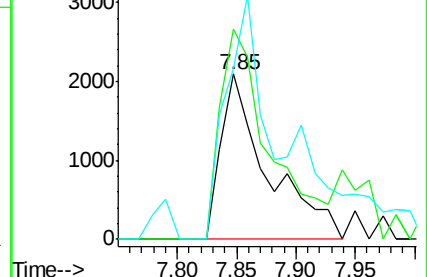
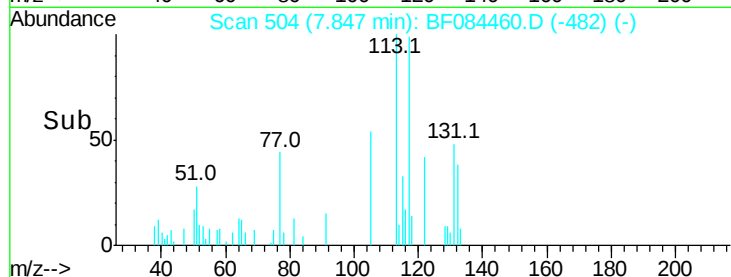
77 103.5 63.5 103.5



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



#37

2-Methylnaphthalene

Concen: 7.74 ng

RT: 8.83 min Scan# 590

Delta R.T. 0.00 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

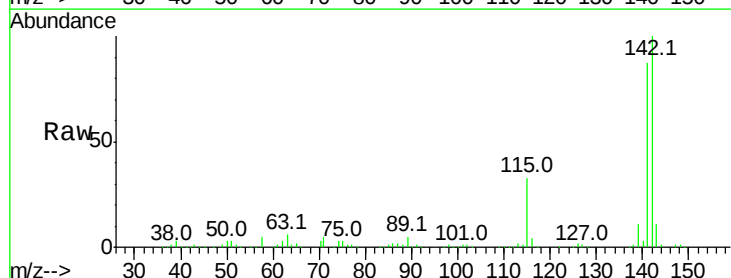
Tgt Ion:142 Resp: 262898

Ion Ratio Lower Upper

142 100

141 87.4 72.4 108.6

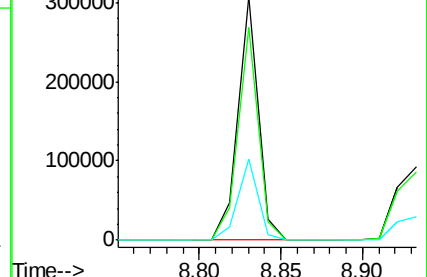
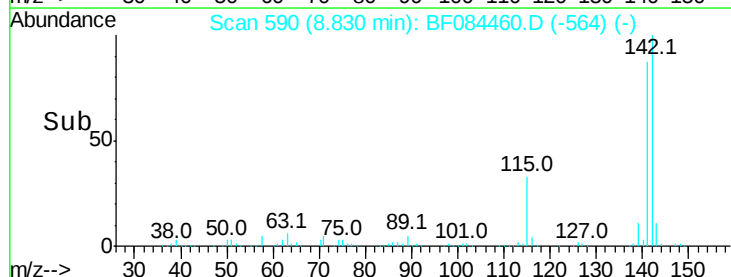
115 33.1 27.9 41.9

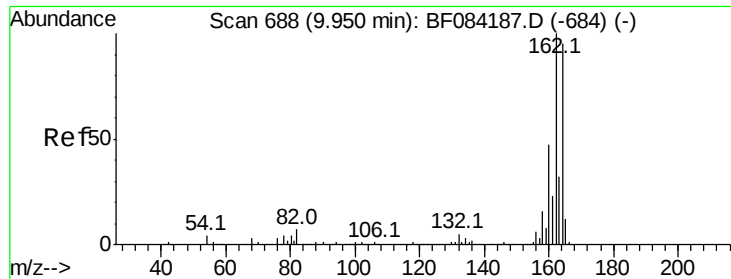


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.87 min Scan# 681

Delta R.T. 0.00 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

Instrument :

BNA_F

ClientSampleId :

HSR-WC-16-010516

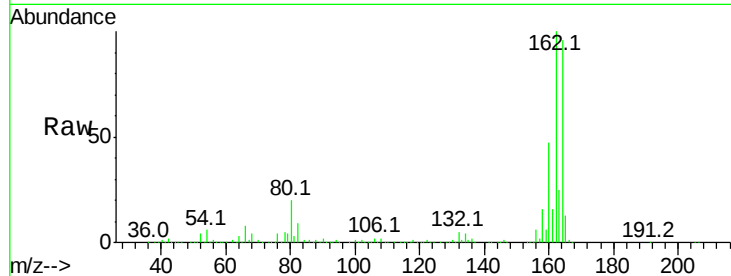
Tot Ion:164 Resp: 491679

Ion Ratio Lower Upper

164 100

162 104.2 85.1 127.7

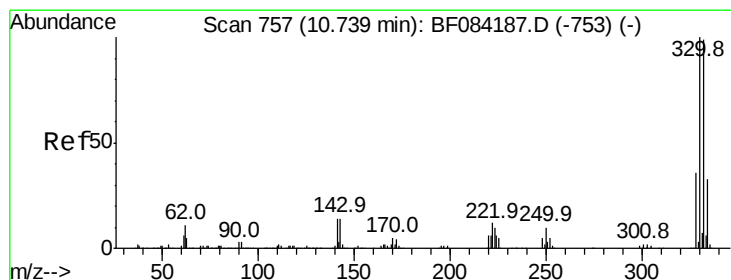
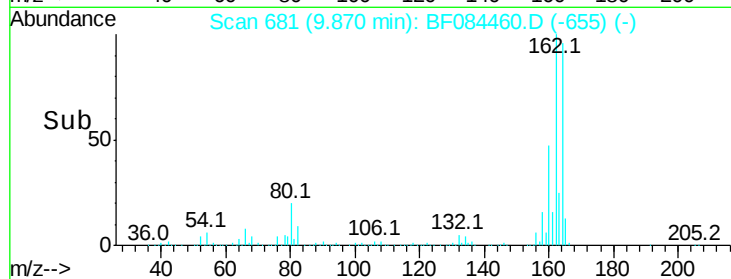
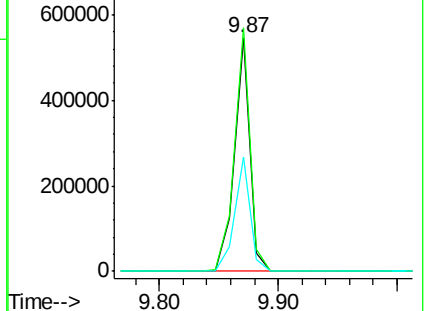
160 48.7 37.5 56.3



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: 133.81 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

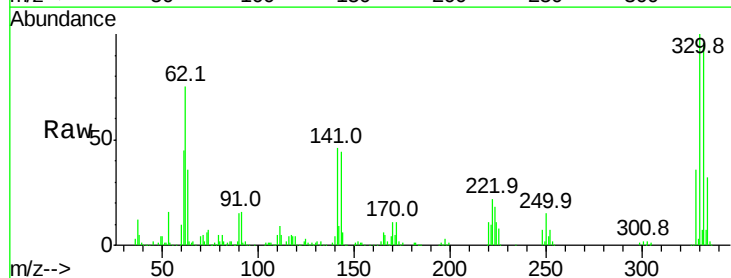
Tgt Ion:330 Resp: 664235

Ion Ratio Lower Upper

330 100

332 96.9 76.6 114.8

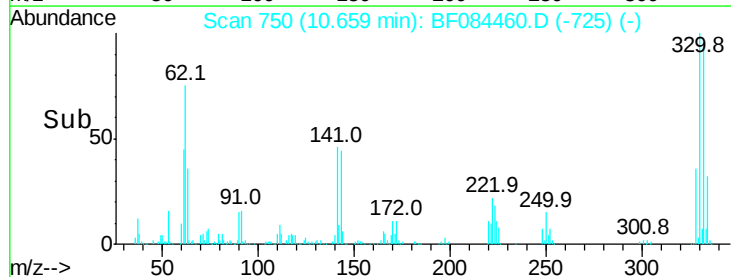
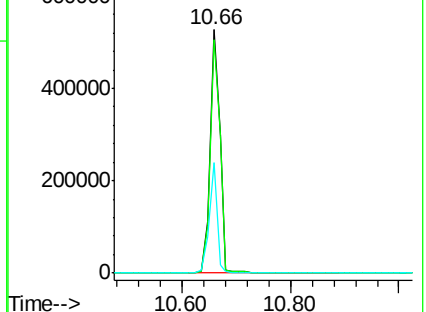
141 36.3 27.8 41.6

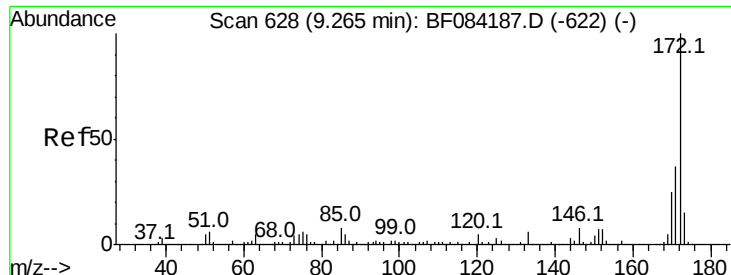


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

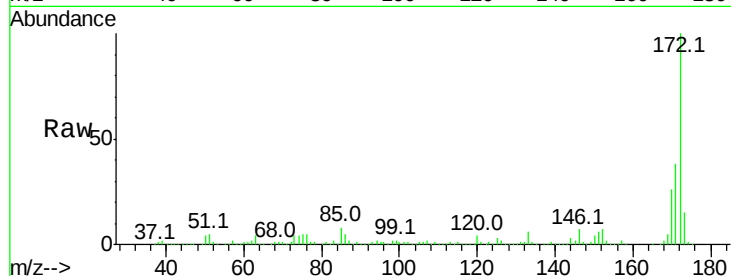




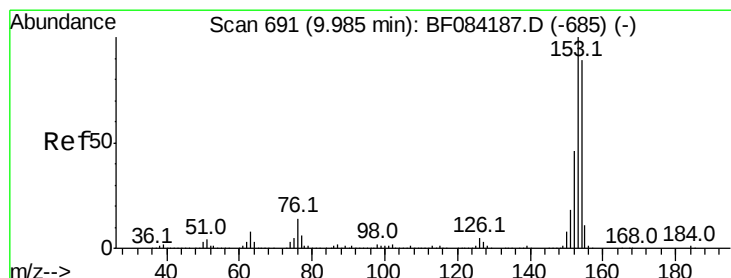
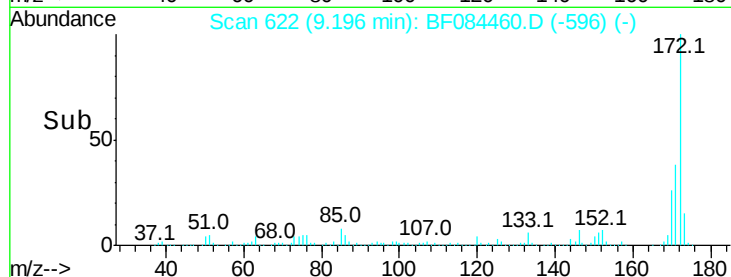
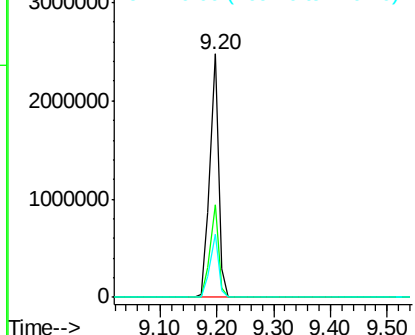
#44
 2-Fluorobiphenyl
 Concen: 90.91 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF084460.D
 Acq: 13 Jan 2016 23:55

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-16-010516

Tot Ion:172 Resp: 2528620
 Ion Ratio Lower Upper
 172 100
 171 38.1 28.9 43.3
 170 25.9 18.6 27.8

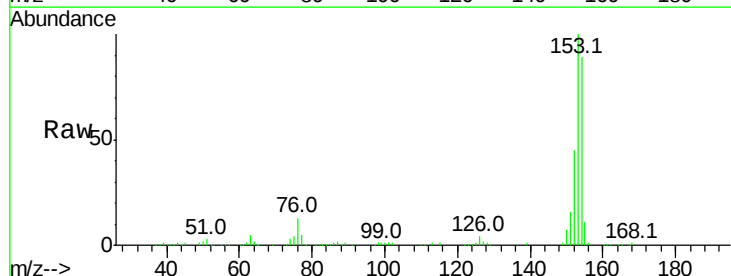


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

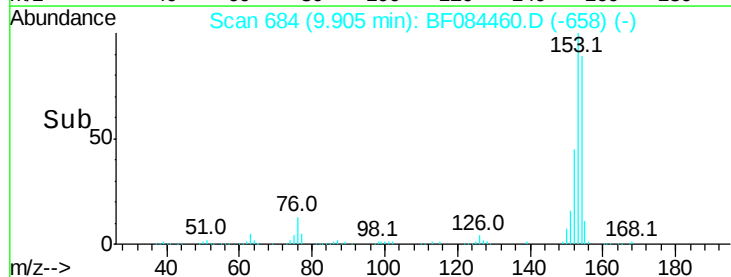
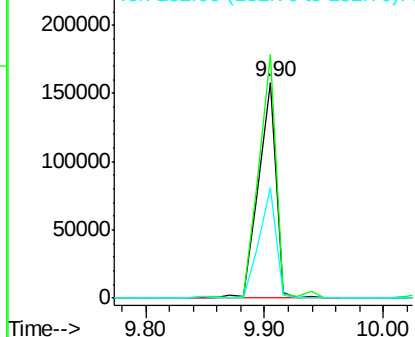


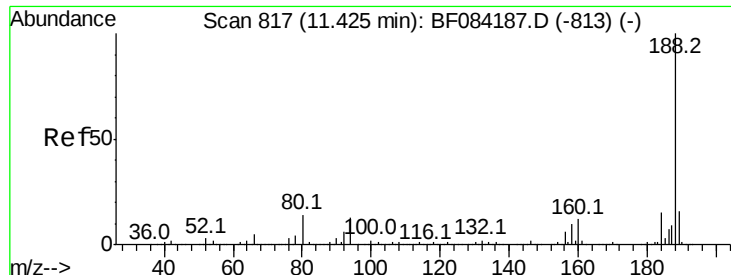
#51
 Acenaphthene
 Concen: 5.39 ng
 RT: 9.90 min Scan# 684
 Delta R.T. 0.00 min
 Lab File: BF084460.D
 Acq: 13 Jan 2016 23:55

Tgt Ion:154 Resp: 163939
 Ion Ratio Lower Upper
 154 100
 153 112.9 91.5 137.3
 152 51.2 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

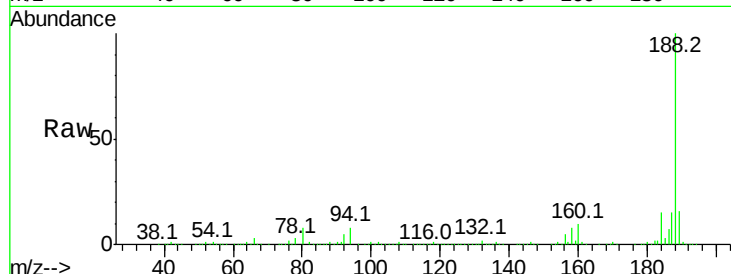




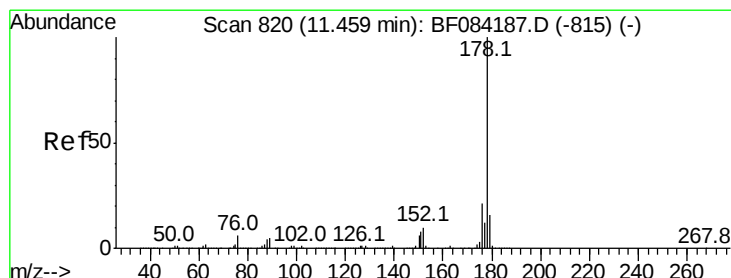
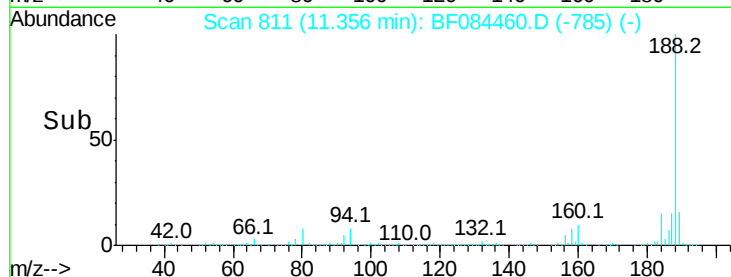
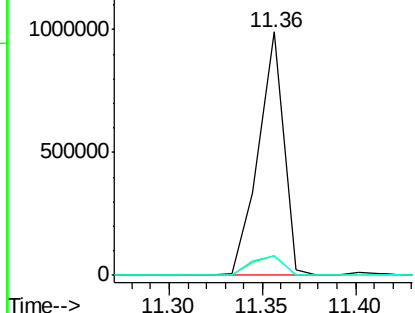
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF084460.D
Acq: 13 Jan 2016 23:55

Instrument :
BNA_F
ClientSampleId :
HSR-WC-16-010516

Tot Ion:188 Resp: 936528
Ion Ratio Lower Upper
188 100
94 8.1 9.0 13.4#
80 8.1 9.6 14.4#

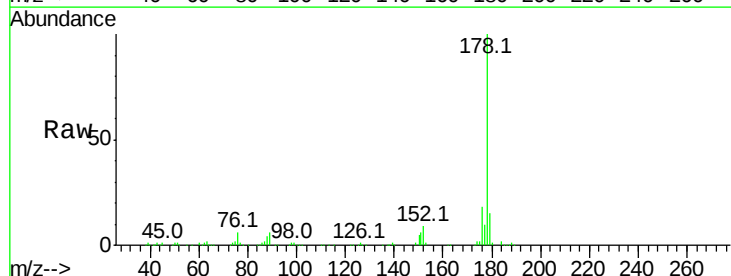


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

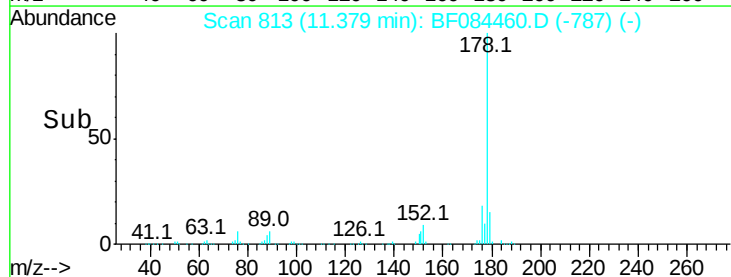
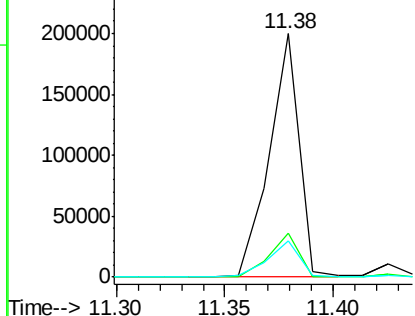


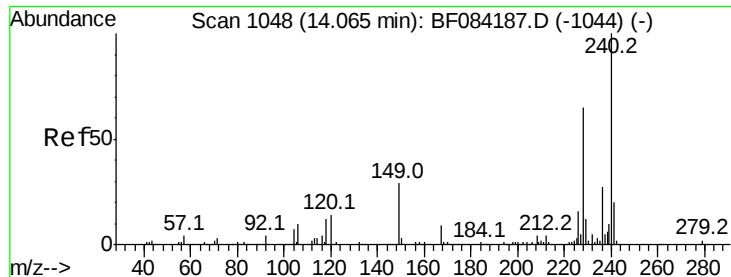
#70
Phenanthrene
Concen: 3.91 ng
RT: 11.38 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF084460.D
Acq: 13 Jan 2016 23:55

Tgt Ion:178 Resp: 191695
Ion Ratio Lower Upper
178 100
176 18.0 15.3 22.9
179 14.9 12.0 18.0



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: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

Instrument :

BNA_F

ClientSampleId :

HSR-WC-16-010516

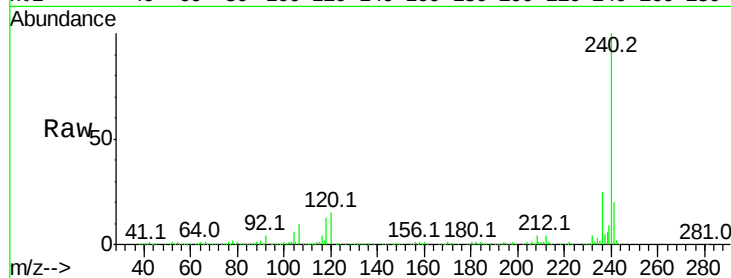
Tot Ion:240 Resp: 768313

Ion Ratio Lower Upper

240 100

120 14.8 9.5 14.3#

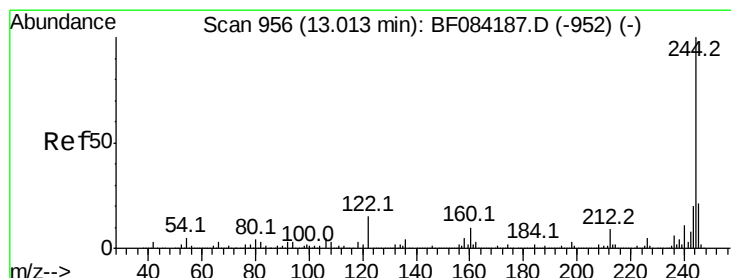
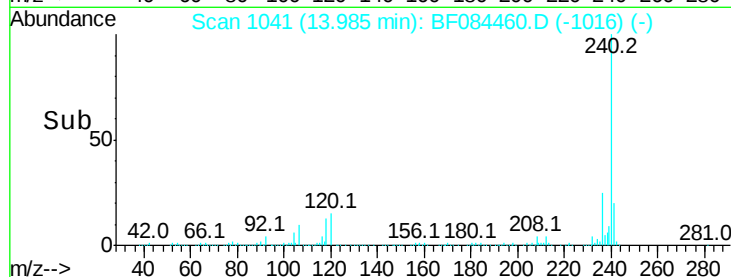
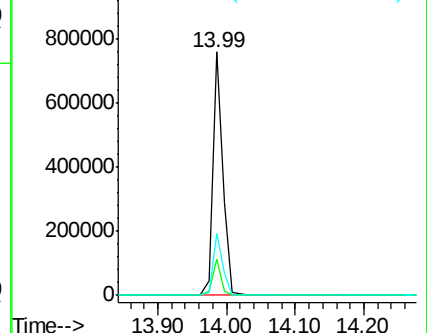
236 25.3 20.6 31.0



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: 73.64 ng

RT: 12.94 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

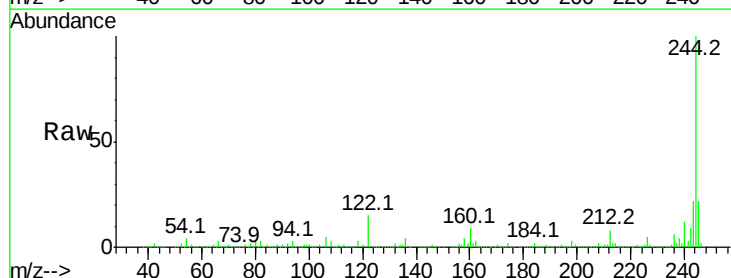
Tgt Ion:244 Resp: 2534766

Ion Ratio Lower Upper

244 100

212 8.2 5.7 8.5

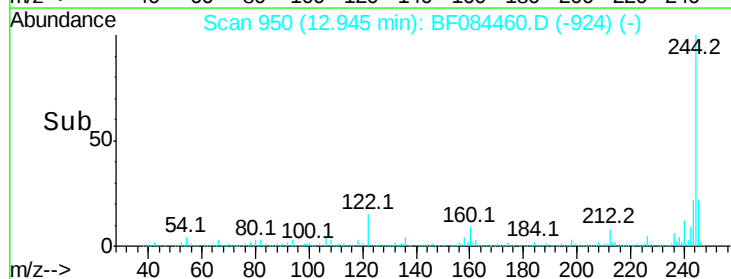
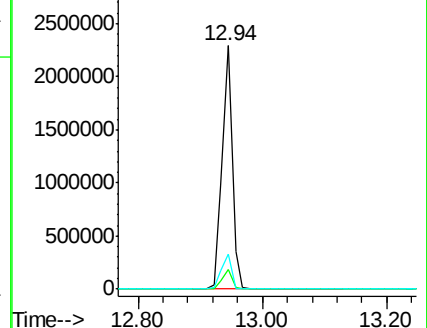
122 14.6 7.4 11.0#

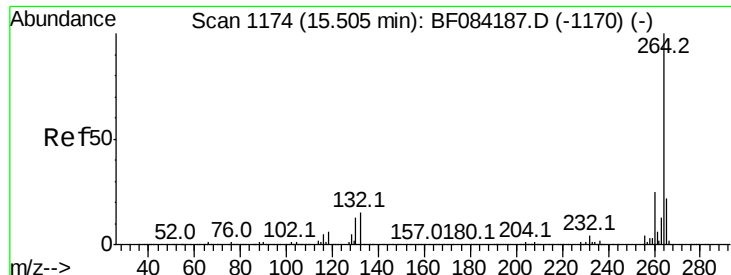


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

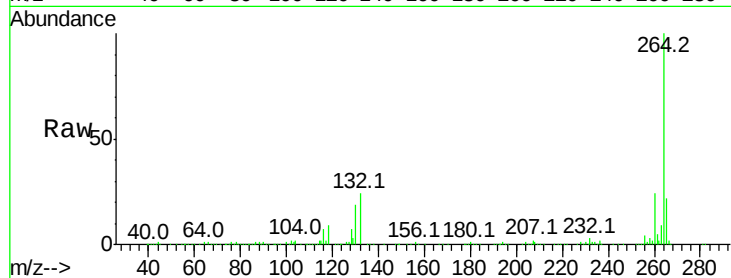




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF084460.D
Acq: 13 Jan 2016 23:55

Instrument :
BNA_F
ClientSampleId :
HSR-WC-16-010516

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	21.7	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

