

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 11:15:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

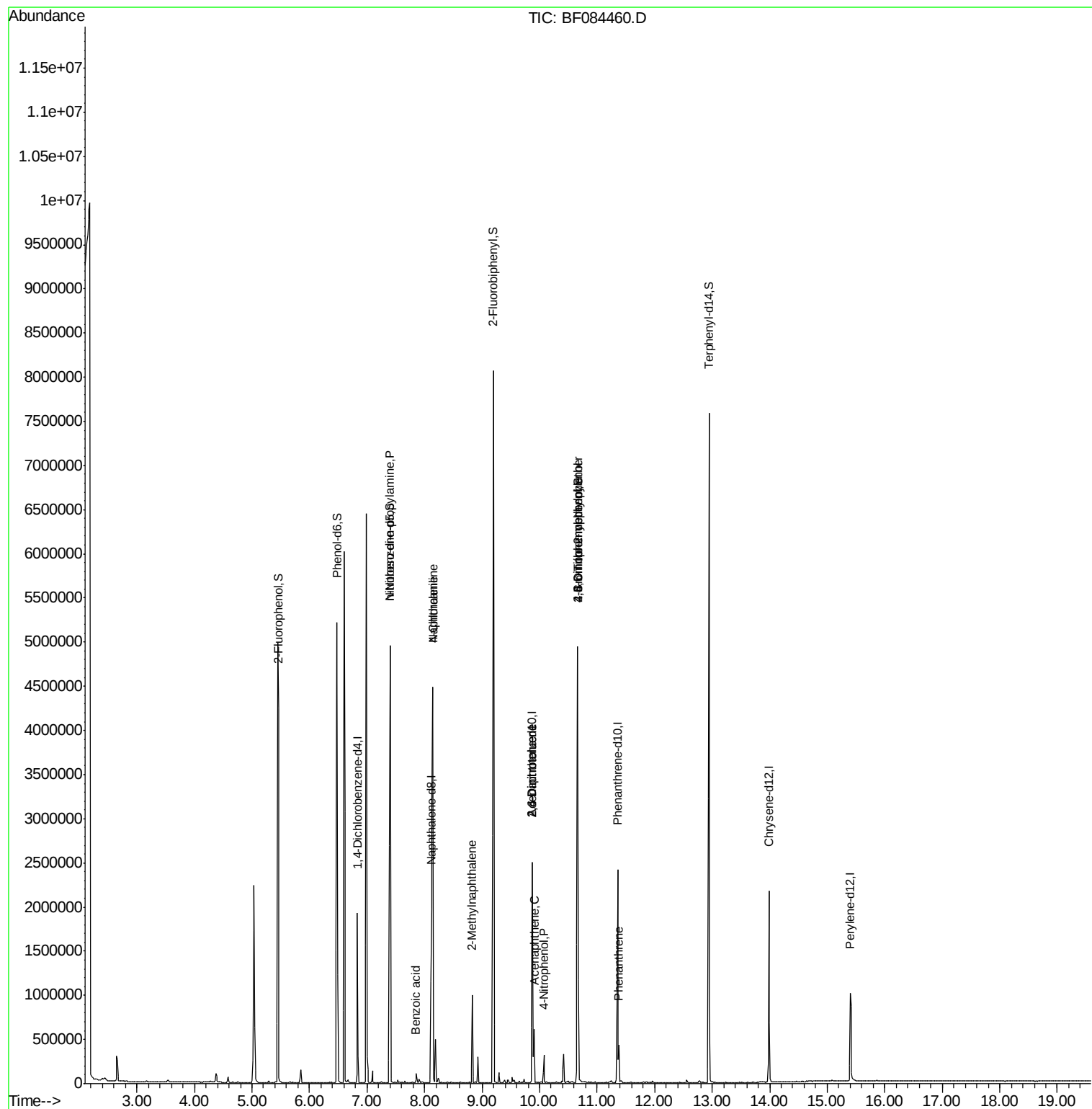
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	260297	20.00	ng	-0.07
21) Naphthalene-d8	8.12	136	1043484	20.00	ng	-0.07
38) Acenaphthene-d10	9.87	164	491679	20.00	ng	-0.08
63) Phenanthrene-d10	11.36	188	936528	20.00	ng	-0.07
75) Chrysene-d12	13.99	240	768313	20.00	ng	-0.08
86) Perylene-d12	15.40	264	549700	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1975405	122.75	ng	-0.03
7) Phenol-d6	6.48	99	1967372	97.34	ng	-0.06
23) Nitrobenzene-d5	7.40	82	1832581	97.74	ng	-0.07
41) 2,4,6-Tribromophenol	10.66	330	664235	133.81	ng	-0.08
44) 2-Fluorobiphenyl	9.20	172	2528620	90.91	ng	-0.07
78) Terphenyl-d14	12.94	244	2534766	73.64	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	259612	18.98	ng	Qvalue # 75
31) Naphthalene	8.14	128	2545742	53.77	ng	99
32) Benzoic acid	7.85	122	5679	6.69	ng	87
33) 4-Chloroaniline	8.14	127	354790	16.35	ng	# 33
37) 2-Methylnaphthalene	8.83	142	262898	7.74	ng	97
50) 2,6-Dinitrotoluene	9.87	165	66562	8.63	ng	# 37
51) Acenaphthene	9.90	154	163939	5.39	ng	98
55) 4-Nitrophenol	10.08	139	48967	7.06	ng	# 12
56) 2,4-Dinitrotoluene	9.87	165	67281	6.90	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.66	198	1486	6.61	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	39579	3.93	ng	# 1
70) Phenanthrene	11.38	178	191695	3.91	ng	98
73) Di-n-butylphthalate	11.92	149	3297	Below Cal		# 79

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

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Response via : Initial Calibration



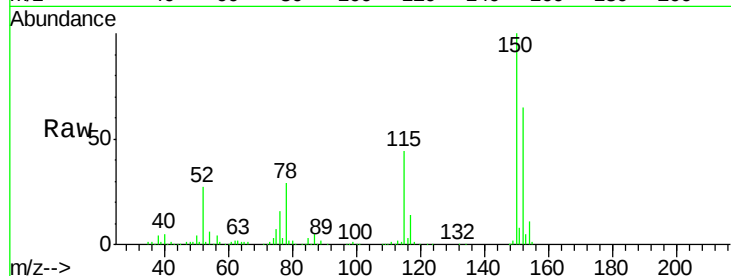


#1

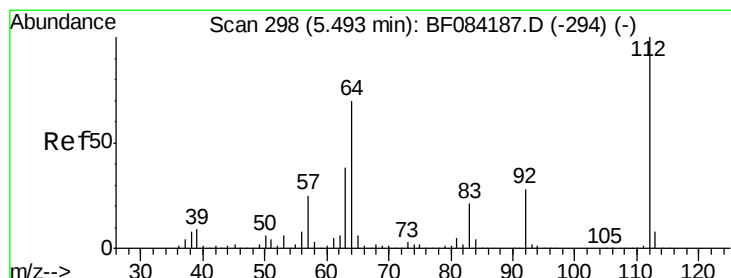
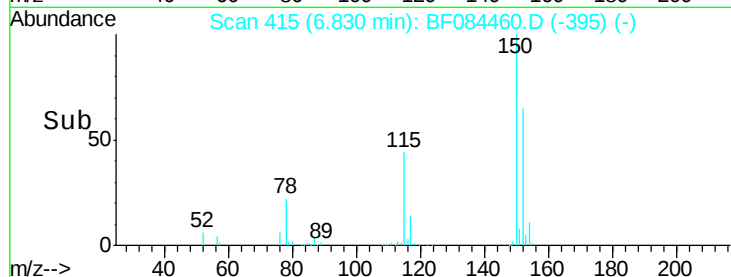
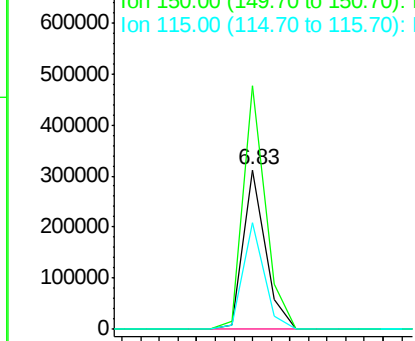
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.07 min
Lab File: BF084460.D
Acq: 13 Jan 2016 23:55

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



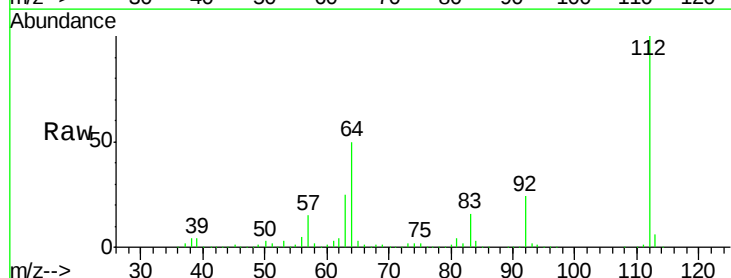
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



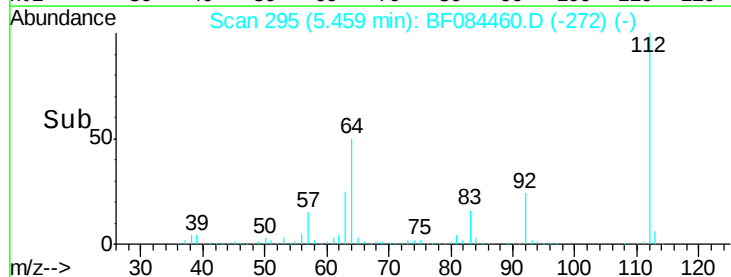
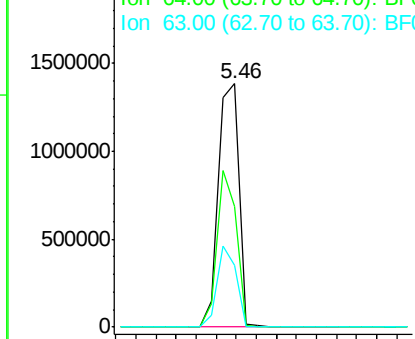
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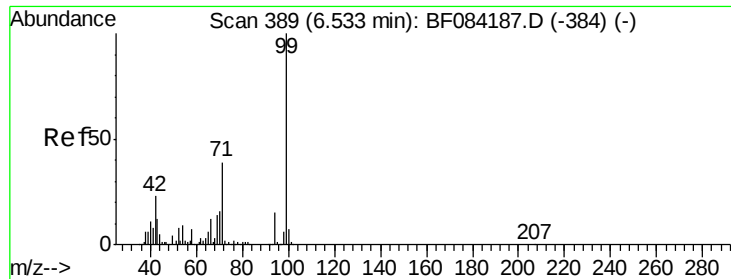
2-Fluorophenol
Concen: 122.75 ng
RT: 5.46 min Scan# 295
Delta R.T. -0.03 min
Lab File: BF084460.D
Acq: 13 Jan 2016 23:55

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. -0.06 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

Instrument :

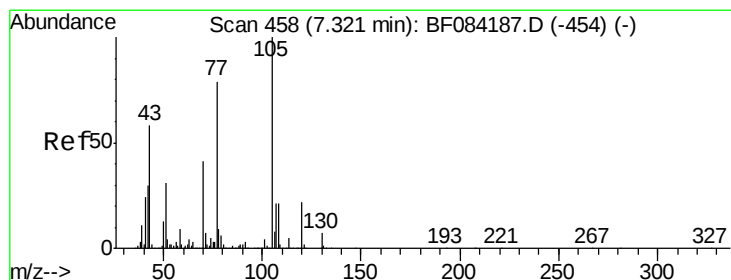
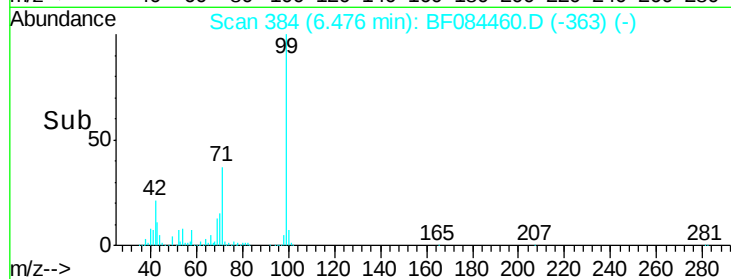
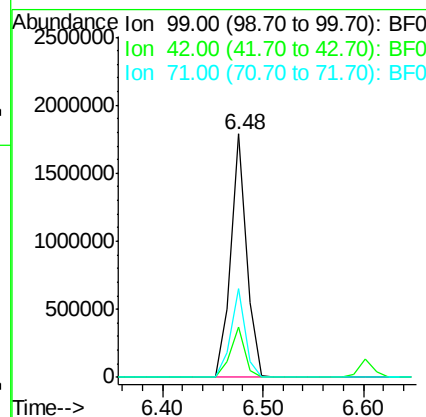
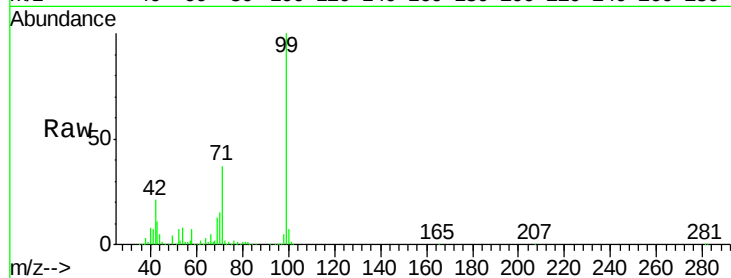
BNA_F

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



#19

n-Nitroso-di-n-propylamine

Concen: 18.98 ng

RT: 7.40 min Scan# 465

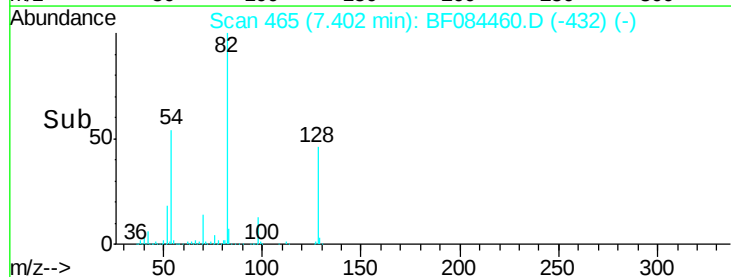
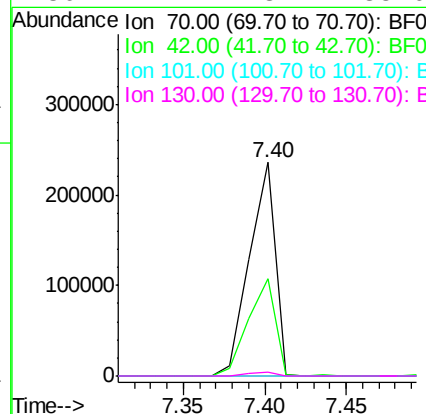
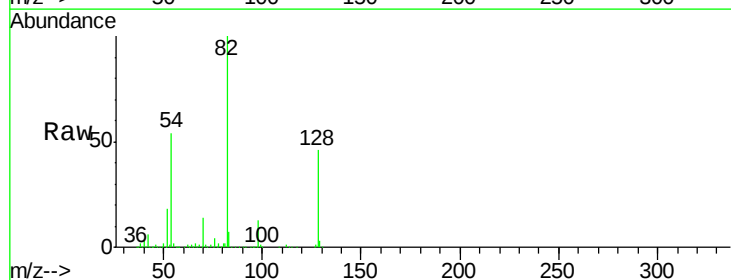
Delta R.T. 0.08 min

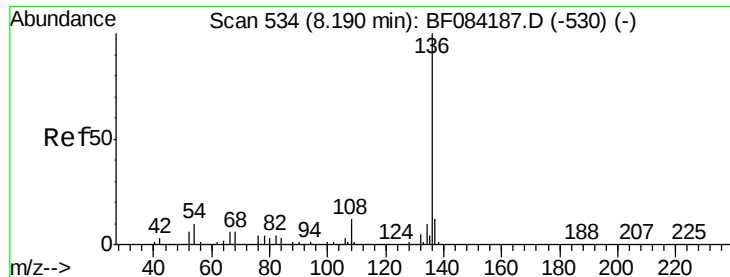
Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

Tgt Ion: 70 Resp: 259612

Ion	Ratio	Lower	Upper
70	100		
42	45.7	33.3	49.9
101	0.0	9.3	13.9#
130	2.1	23.4	35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.07 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

Instrument :

BNA_F

ClientSampleId :

HSR-WC-16-010516

Tot Ion:136 Resp: 1043484

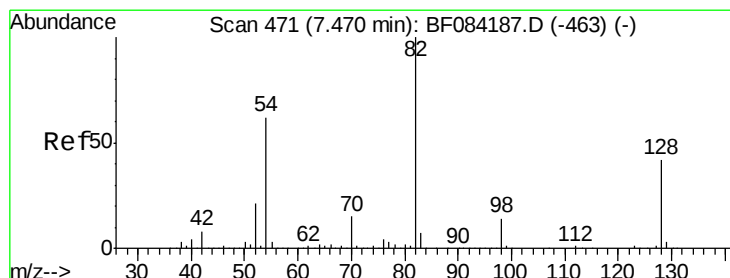
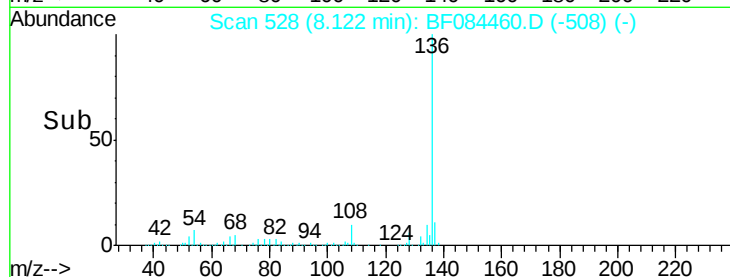
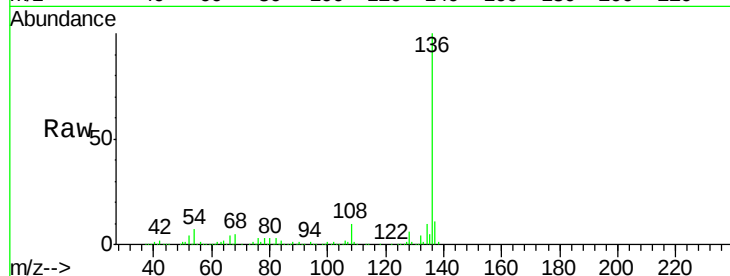
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	7.4	5.8	8.8
68	4.8	4.2	6.2

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: 97.74 ng

RT: 7.40 min Scan# 465

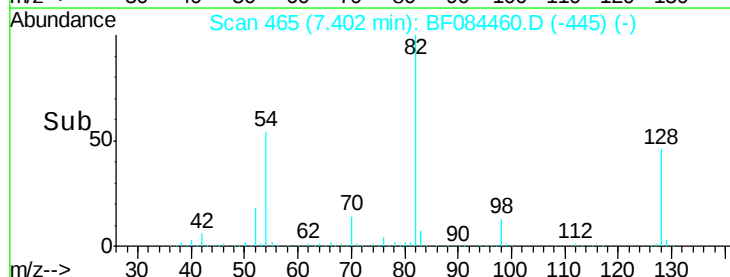
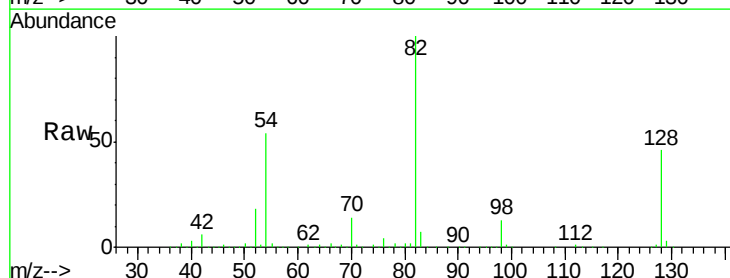
Delta R.T. -0.07 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

Tgt Ion: 82 Resp: 1832581

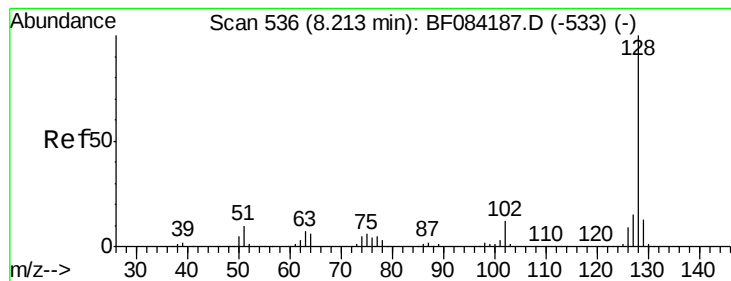
Ion	Ratio	Lower	Upper
82	100		
128	46.4	34.6	51.8
54	54.1	38.4	57.6



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: 53.77 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.07 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

Instrument :

BNA_F

ClientSampleId :

HSR-WC-16-010516

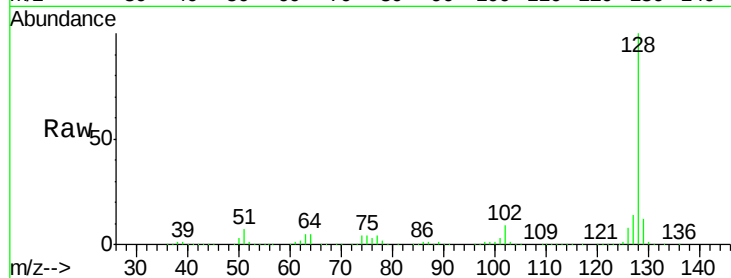
Tot Ion:128 Resp: 2545742

Ion Ratio Lower Upper

128 100

129 11.9 9.1 13.7

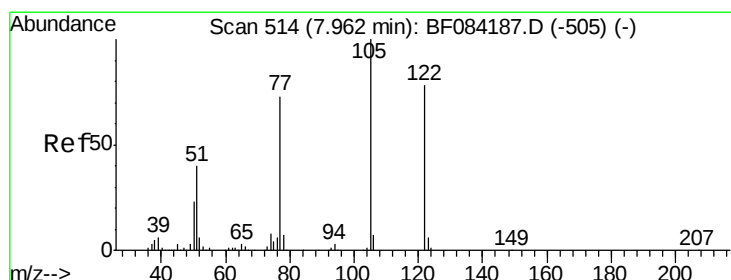
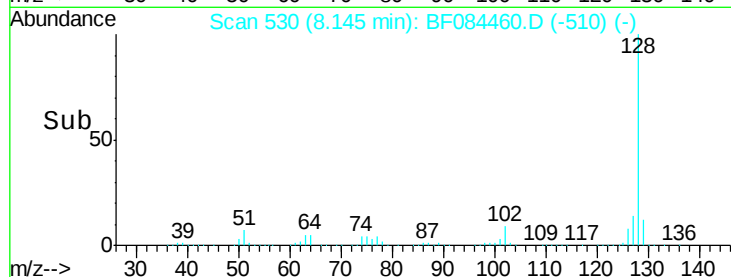
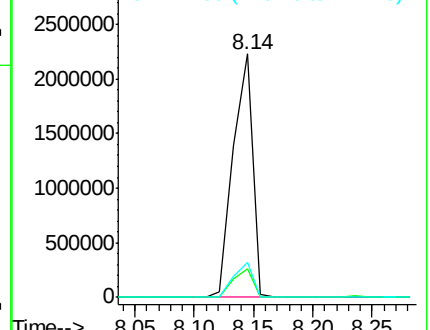
127 14.2 11.1 16.7



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: 6.69 ng

RT: 7.85 min Scan# 504

Delta R.T. -0.11 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

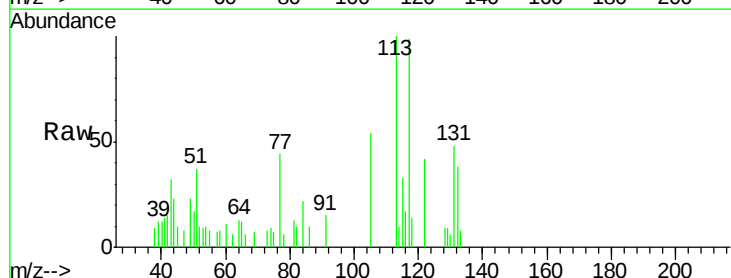
Tgt Ion:122 Resp: 5679

Ion Ratio Lower Upper

122 100

105 126.9 100.3 140.3

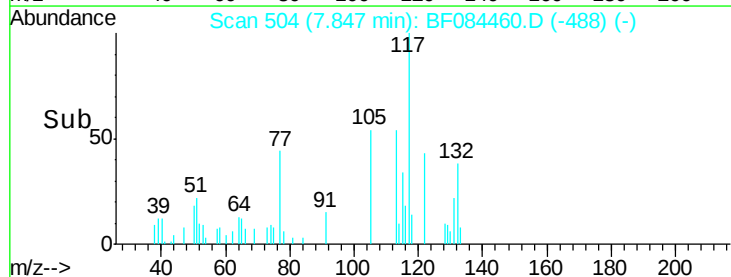
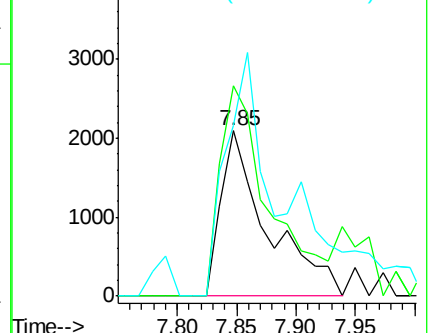
77 103.5 63.5 103.5

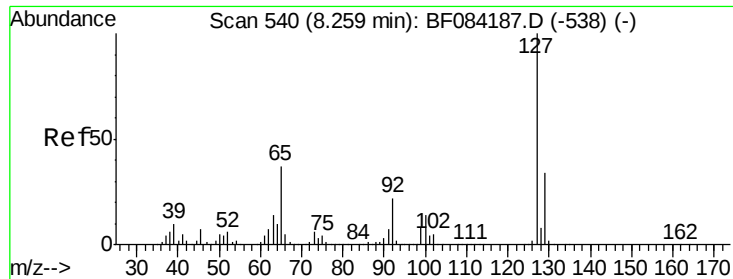


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

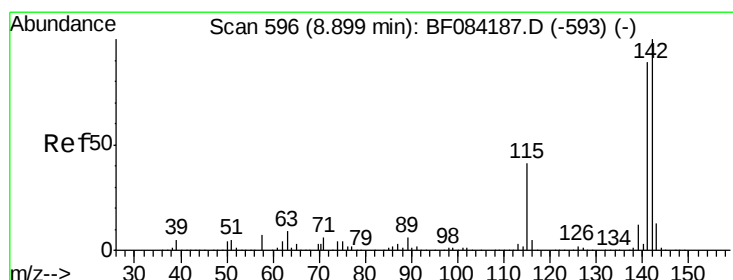
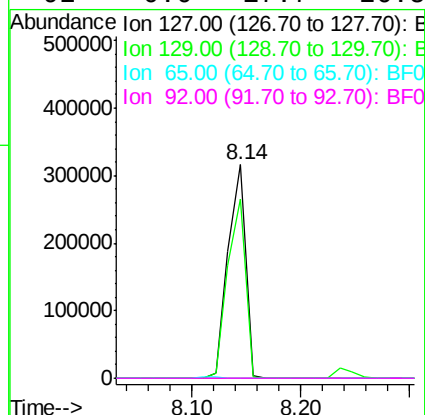
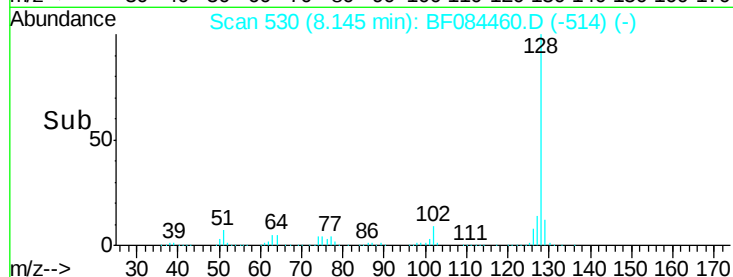
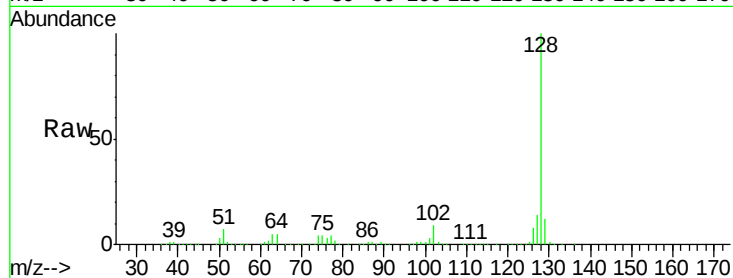




#33
4-Chloroaniline
Concen: 16.35 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.11 min
Lab File: BF084460.D
Acq: 13 Jan 2016 23:55

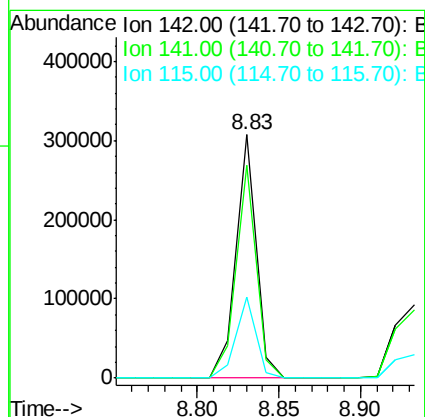
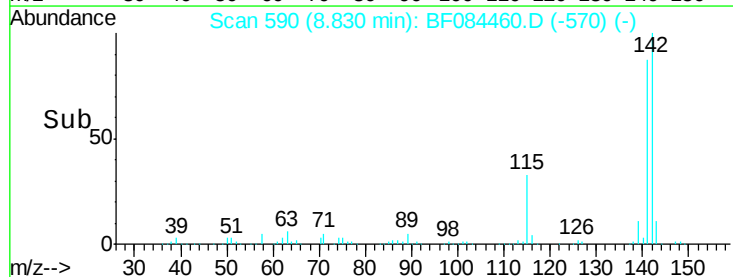
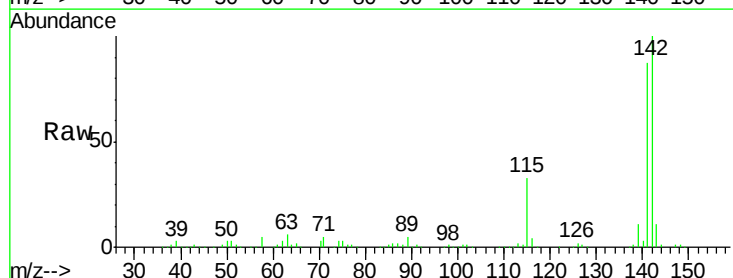
Instrument :
BNA_F
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HSR-WC-16-010516

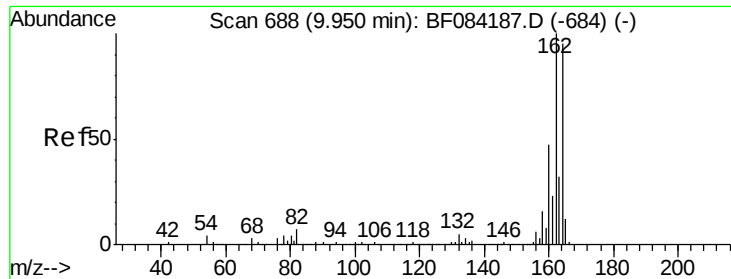
Tot Ion:	127	Resp:	354790
Ion	Ratio	Lower	Upper
127	100		
129	83.7	26.5	39.7#
65	0.0	27.2	40.8#
92	0.0	17.7	26.5#



#37
2-Methylnaphthalene
Concen: 7.74 ng
RT: 8.83 min Scan# 590
Delta R.T. -0.07 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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.08 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

Instrument :

BNA_F

ClientSampleId :

HSR-WC-16-010516

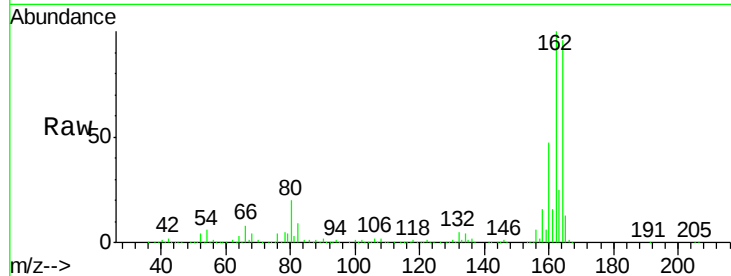
Tot Ion:164 Resp: 491679

Ion Ratio Lower Upper

164 100

162 104.2 85.1 127.7

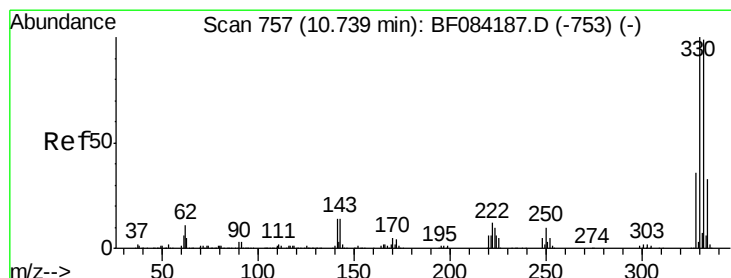
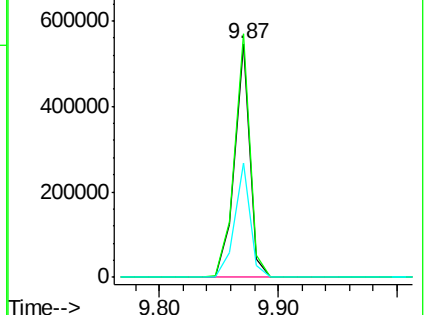
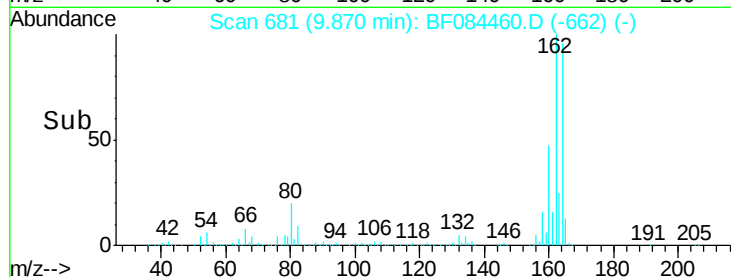
160 48.7 37.5 56.3



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. -0.08 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

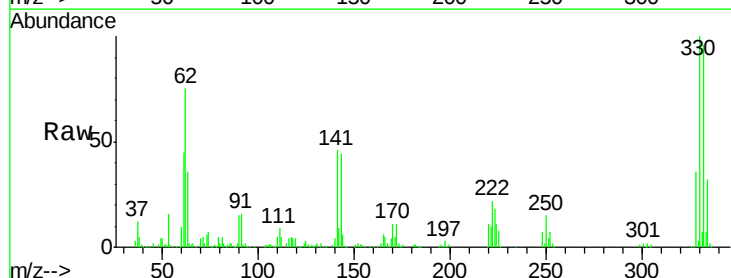
Tgt Ion:330 Resp: 664235

Ion Ratio Lower Upper

330 100

332 96.9 76.6 114.8

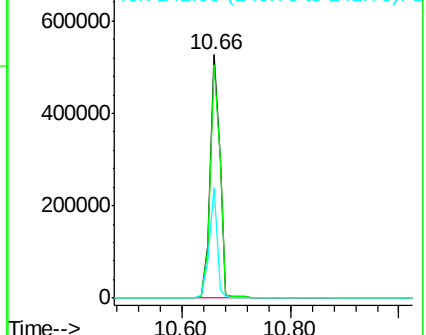
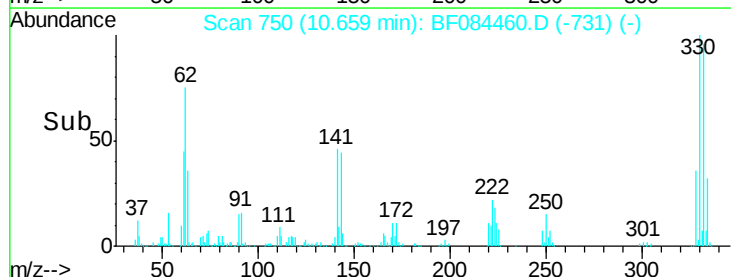
141 36.3 27.8 41.6

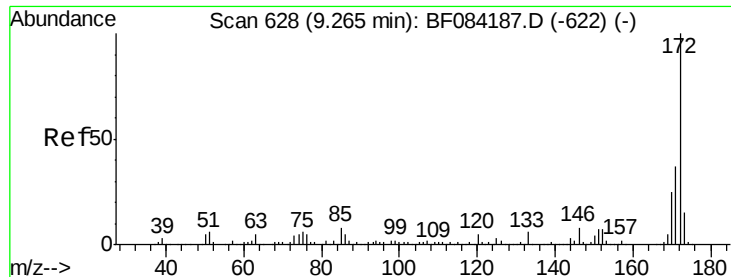


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



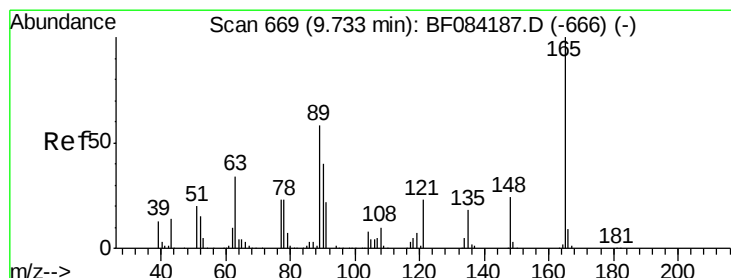
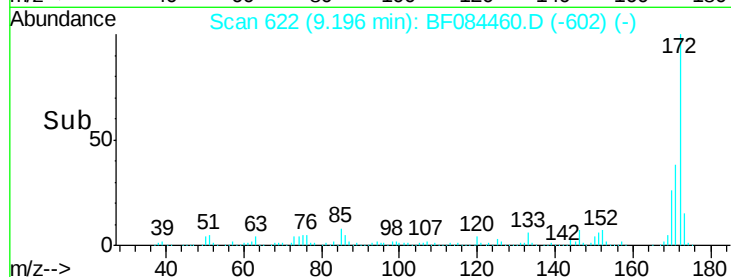
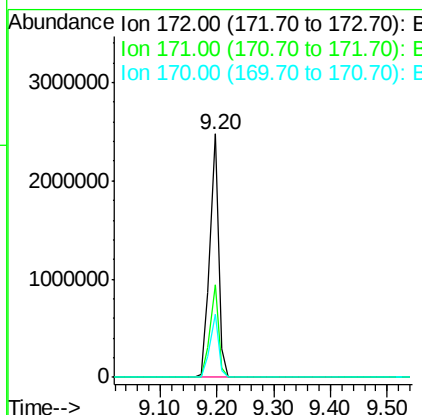
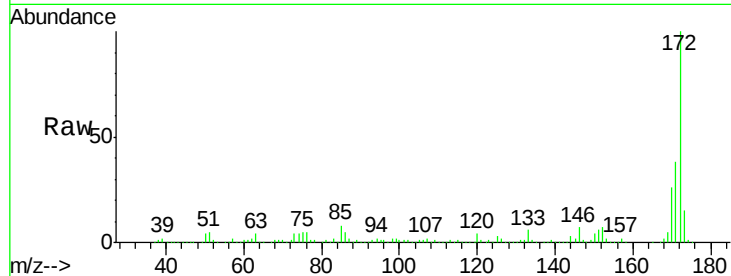


#44
 2-Fluorobiphenyl
 Concen: 90.91 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.07 min
 Lab File: BF084460.D
 Acq: 13 Jan 2016 23:55

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

Tot Ion:172 Resp: 2528620

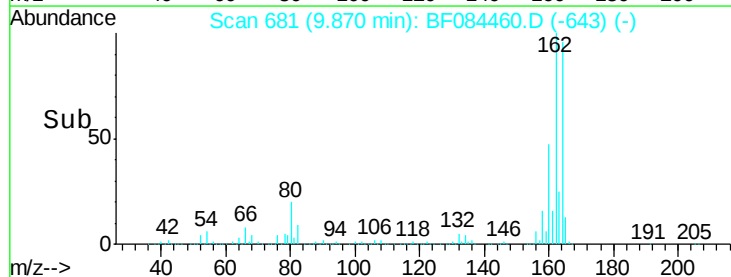
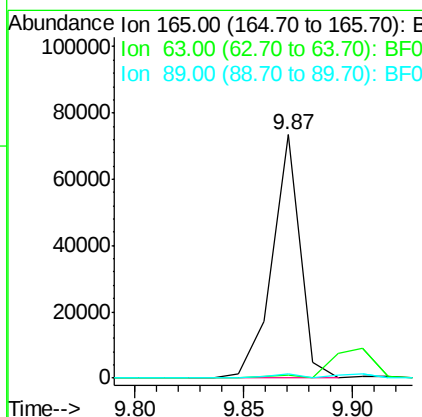
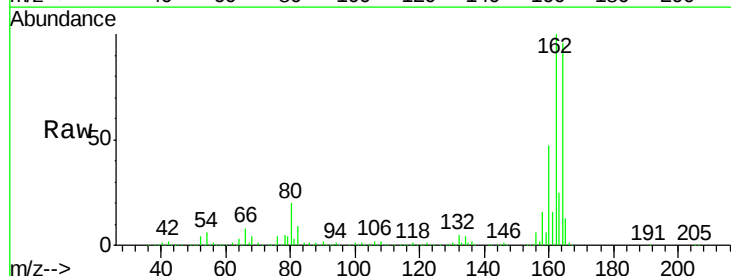
Ion	Ratio	Lower	Upper
172	100		
171	38.1	28.9	43.3
170	25.9	18.6	27.8

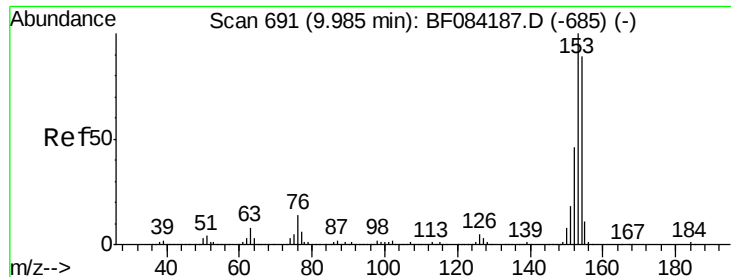


#50
 2,6-Dinitrotoluene
 Concen: 8.63 ng
 RT: 9.87 min Scan# 681
 Delta R.T. 0.14 min
 Lab File: BF084460.D
 Acq: 13 Jan 2016 23:55

Tgt Ion:165 Resp: 66562

Ion	Ratio	Lower	Upper
165	100		
63	1.1	28.8	43.2#
89	1.8	35.1	52.7#





#51

Acenaphthene

Concen: 5.39 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.08 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

Instrument :

BNA_F

ClientSampleId :

HSR-WC-16-010516

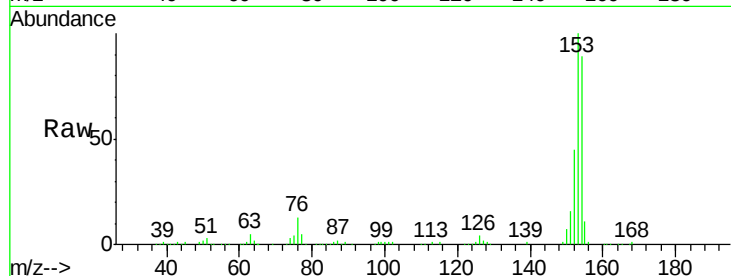
Tot Ion:154 Resp: 163939

Ion Ratio Lower Upper

154 100

153 112.9 91.5 137.3

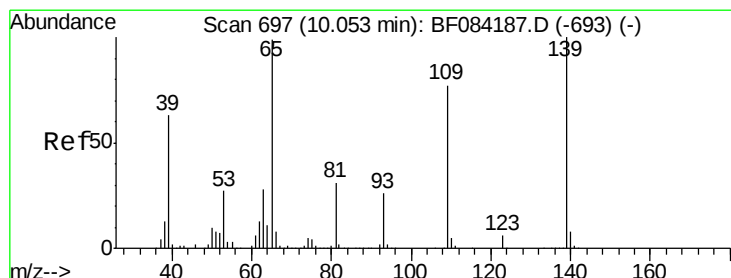
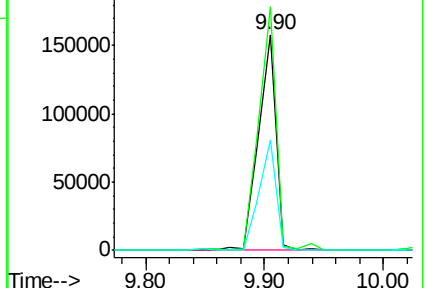
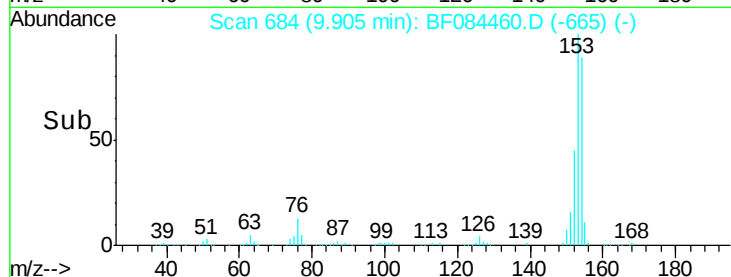
152 51.2 43.0 64.6



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



#55

4-Nitrophenol

Concen: 7.06 ng

RT: 10.08 min Scan# 699

Delta R.T. 0.02 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

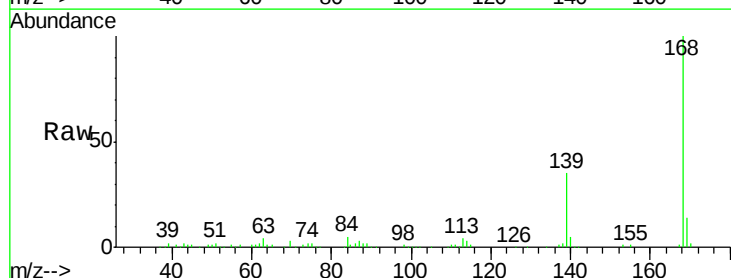
Tgt Ion:139 Resp: 48967

Ion Ratio Lower Upper

139 100

109 0.8 58.5 98.5#

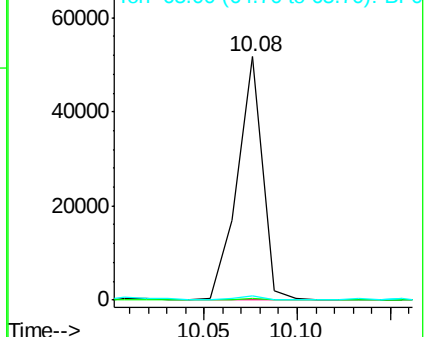
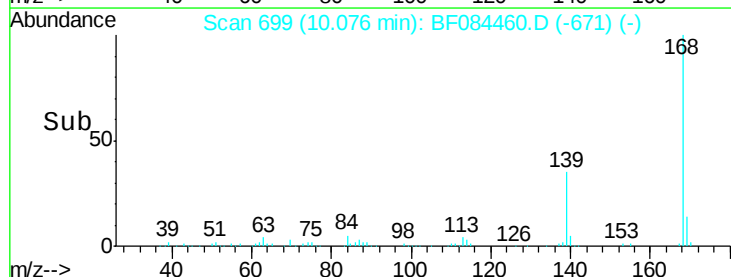
65 1.7 57.6 97.6#

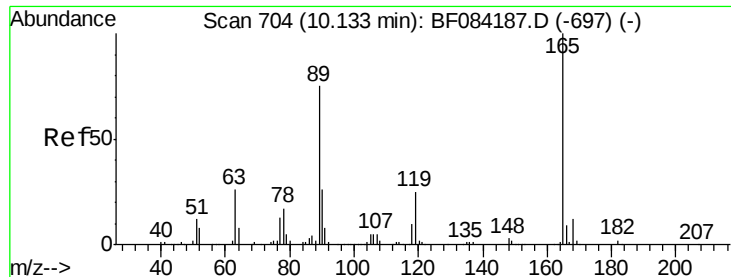


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

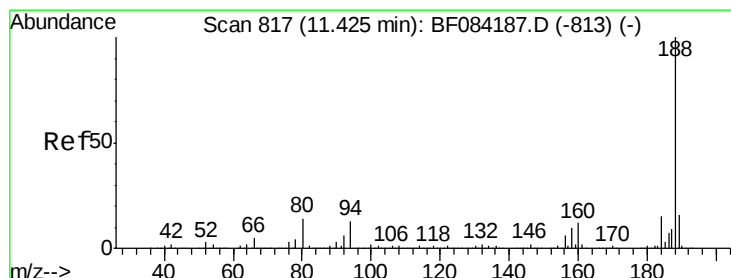
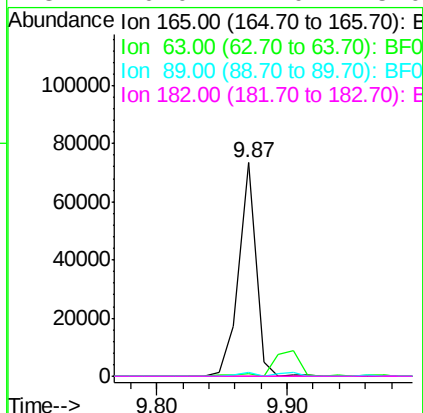
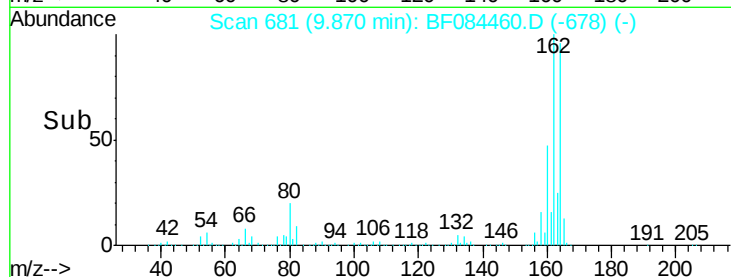
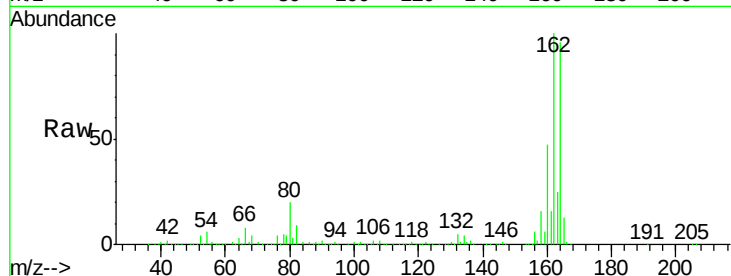




#56
 2,4-Dinitrotoluene
 Concen: 6.90 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.26 min
 Lab File: BF084460.D
 Acq: 13 Jan 2016 23:55

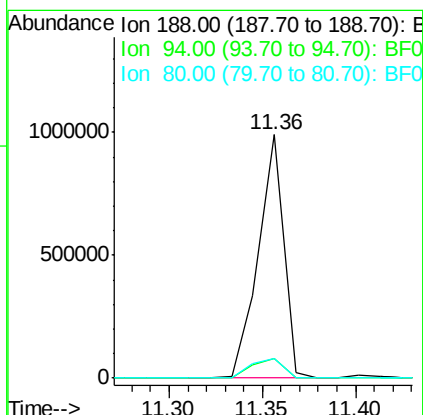
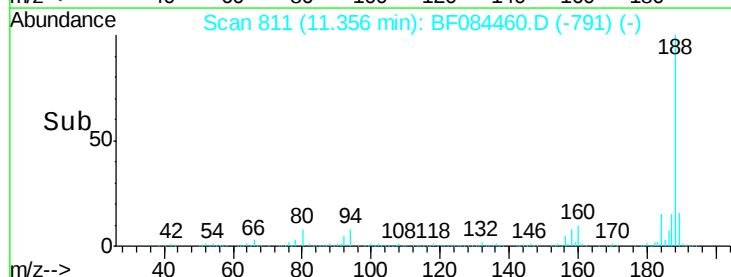
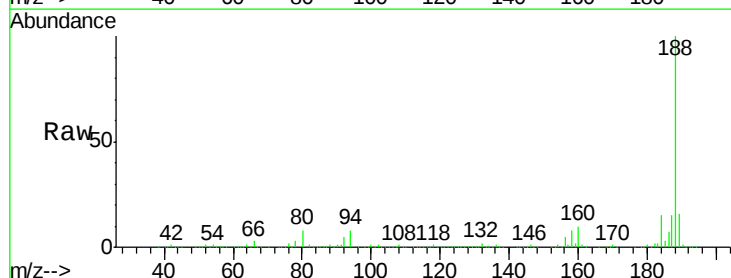
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-16-010516

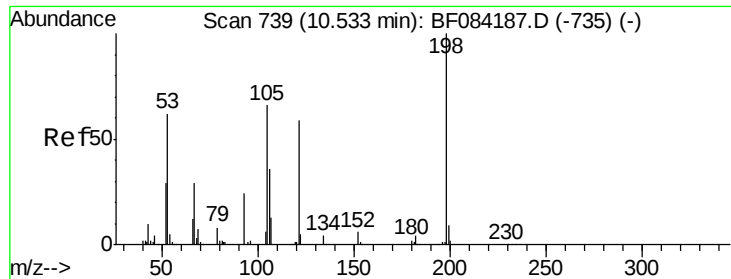
Tot Ion:165 Resp: 67281
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.7 55.1#
 89 1.8 61.9 92.9#
 182 0.0 2.0 3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.07 min
 Lab File: BF084460.D
 Acq: 13 Jan 2016 23:55

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





#64

4,6-Dinitro-2-methylphenol

Concen: 6.61 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.13 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

Instrument :

BNA_F

ClientSampleId :

HSR-WC-16-010516

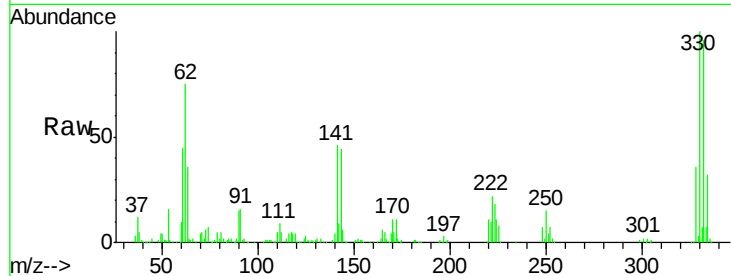
Tot Ion:198 Resp: 1486

Ion Ratio Lower Upper

198 100

51 206.1 18.9 58.9#

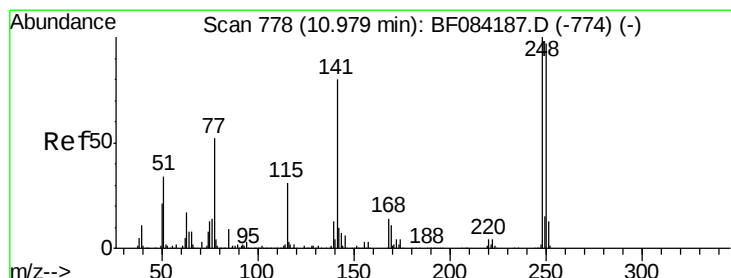
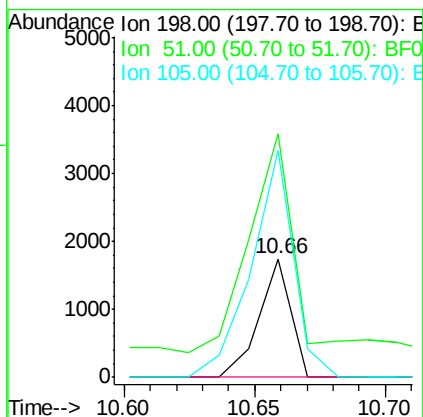
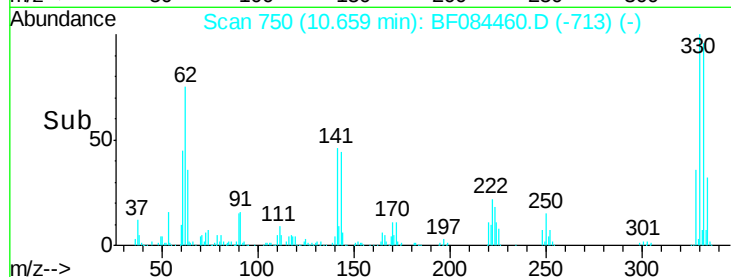
105 192.5 26.4 66.4#



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: 3.93 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.32 min

Lab File: BF084460.D

Acq: 13 Jan 2016 23:55

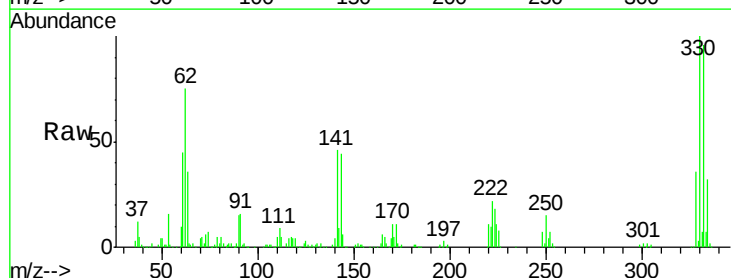
Tgt Ion:248 Resp: 39579

Ion Ratio Lower Upper

248 100

250 209.3 78.4 117.6#

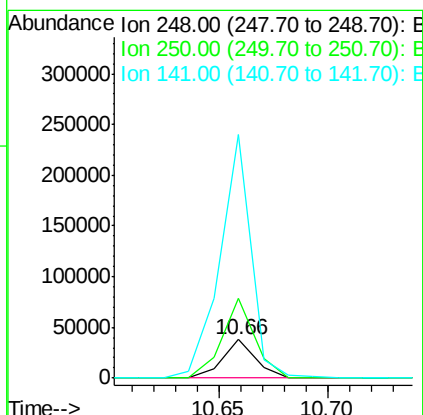
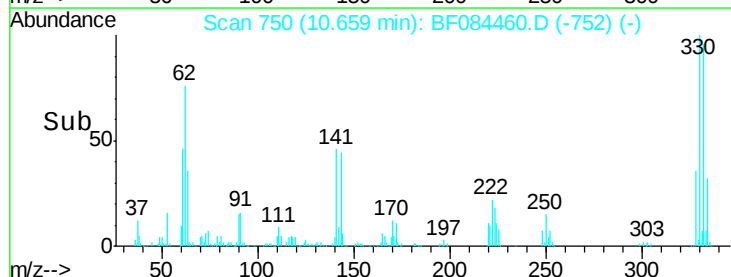
141 634.8 44.0 66.0#

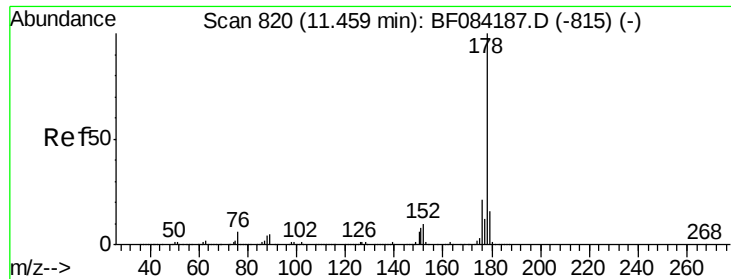


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

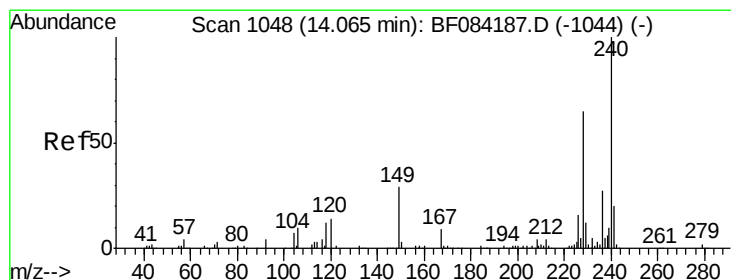
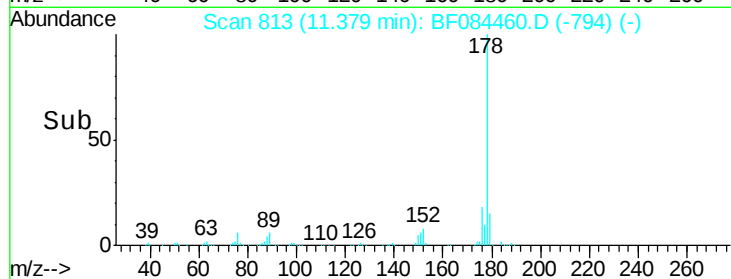
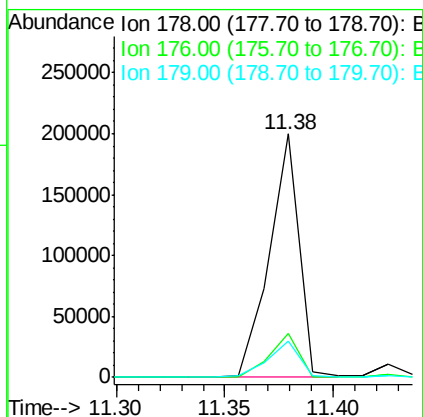
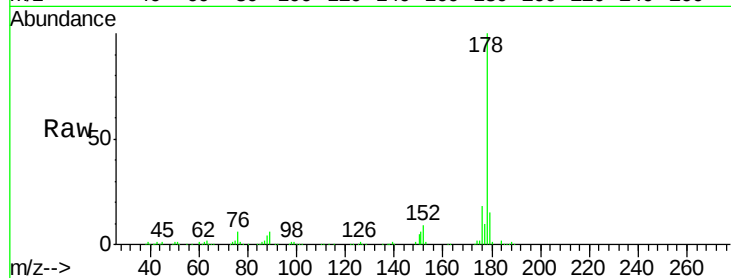




#70
Phenanthrene
Concen: 3.91 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.08 min
Lab File: BF084460.D
Acq: 13 Jan 2016 23:55

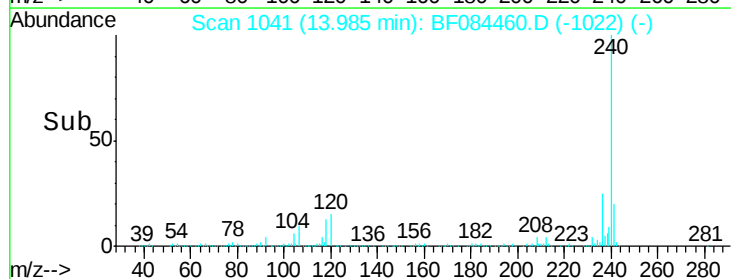
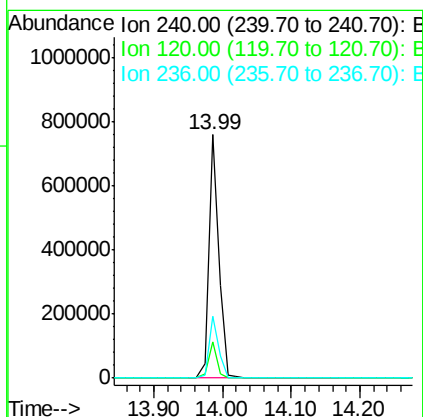
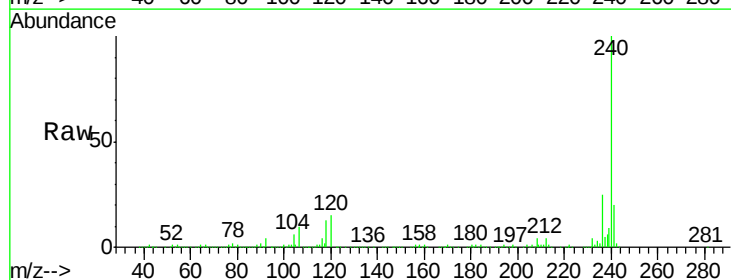
Instrument :
BNA_F
ClientSampleId :
HSR-WC-16-010516

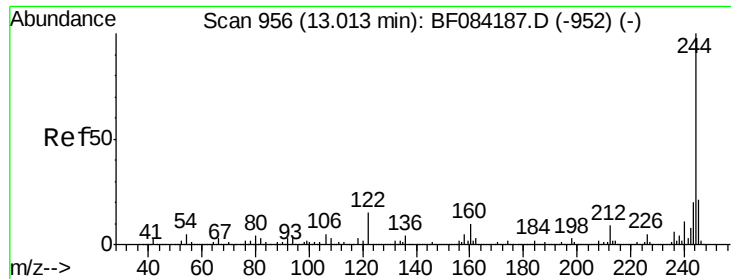
Tot Ion:178 Resp: 191695
Ion Ratio Lower Upper
178 100
176 18.0 15.3 22.9
179 14.9 12.0 18.0



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.08 min
Lab File: BF084460.D
Acq: 13 Jan 2016 23:55

Tgt Ion:240 Resp: 768313
Ion Ratio Lower Upper
240 100
120 14.8 9.5 14.3#
236 25.3 20.6 31.0

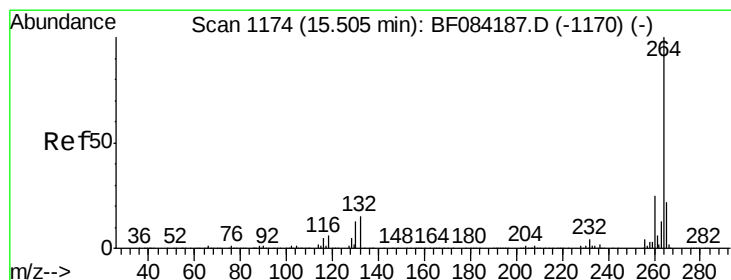
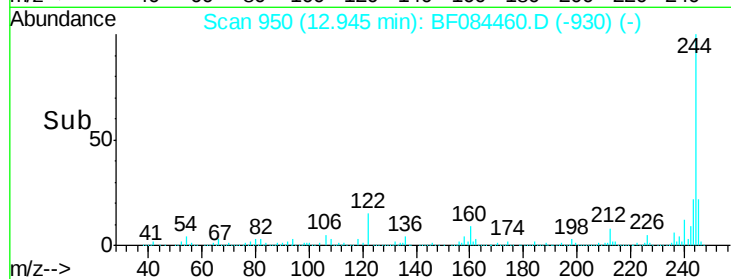
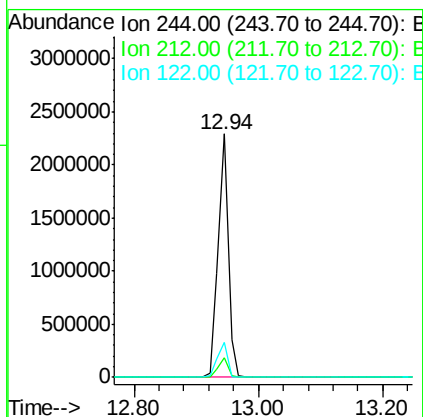
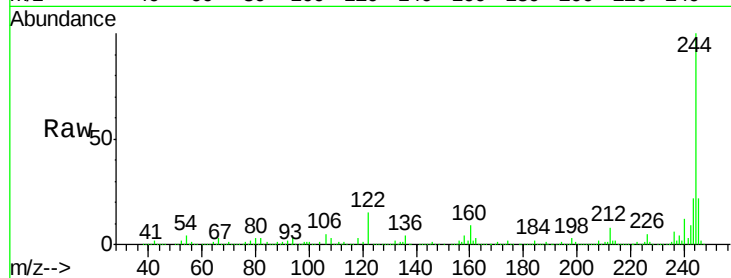




#78
 Terphenyl-d14
 Concen: 73.64 ng
 RT: 12.94 min Scan# 950
 Delta R.T. -0.07 min
 Lab File: BF084460.D
 Acq: 13 Jan 2016 23:55

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

Tot Ion:244 Resp: 2534766
 Ion Ratio Lower Upper
 244 100
 212 8.2 5.7 8.5
 122 14.6 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.10 min
 Lab File: BF084460.D
 Acq: 13 Jan 2016 23:55

Tgt Ion:264 Resp: 549700
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.2
 265 21.7 17.8 26.6

