

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053116\
 Data File : BF087620.D
 Acq On : 1 Jun 2016 13:26
 Operator : UM/SJ
 Sample : H3190-22RE
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1690(0-4)RE

Quant Time: Jun 01 15:09:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 01 13:33:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	127127	20.00	ng	-0.01
21) Naphthalene-d8	9.47	136	504811	20.00	ng	0.00
38) Acenaphthene-d10	12.30	164	207980	20.00	ng	-0.01
63) Phenanthrene-d10	14.70	188	318712	20.00	ng	-0.01
75) Chrysene-d12	18.42	240	252917	20.00	ng	0.00
86) Perylene-d12	20.10	264	198965	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	978654	135.27	ng	0.01
7) Phenol-d6	7.02	99	1294543	132.42	ng	0.00
23) Nitrobenzene-d5	8.36	82	871651	87.02	ng	-0.01
41) 2,4,6-Tribromophenol	13.60	330	210733	105.44	ng	-0.01
44) 2-Fluorobiphenyl	11.25	172	1272824	86.28	ng	-0.01
78) Terphenyl-d14	17.06	244	849655	71.42	ng	0.00

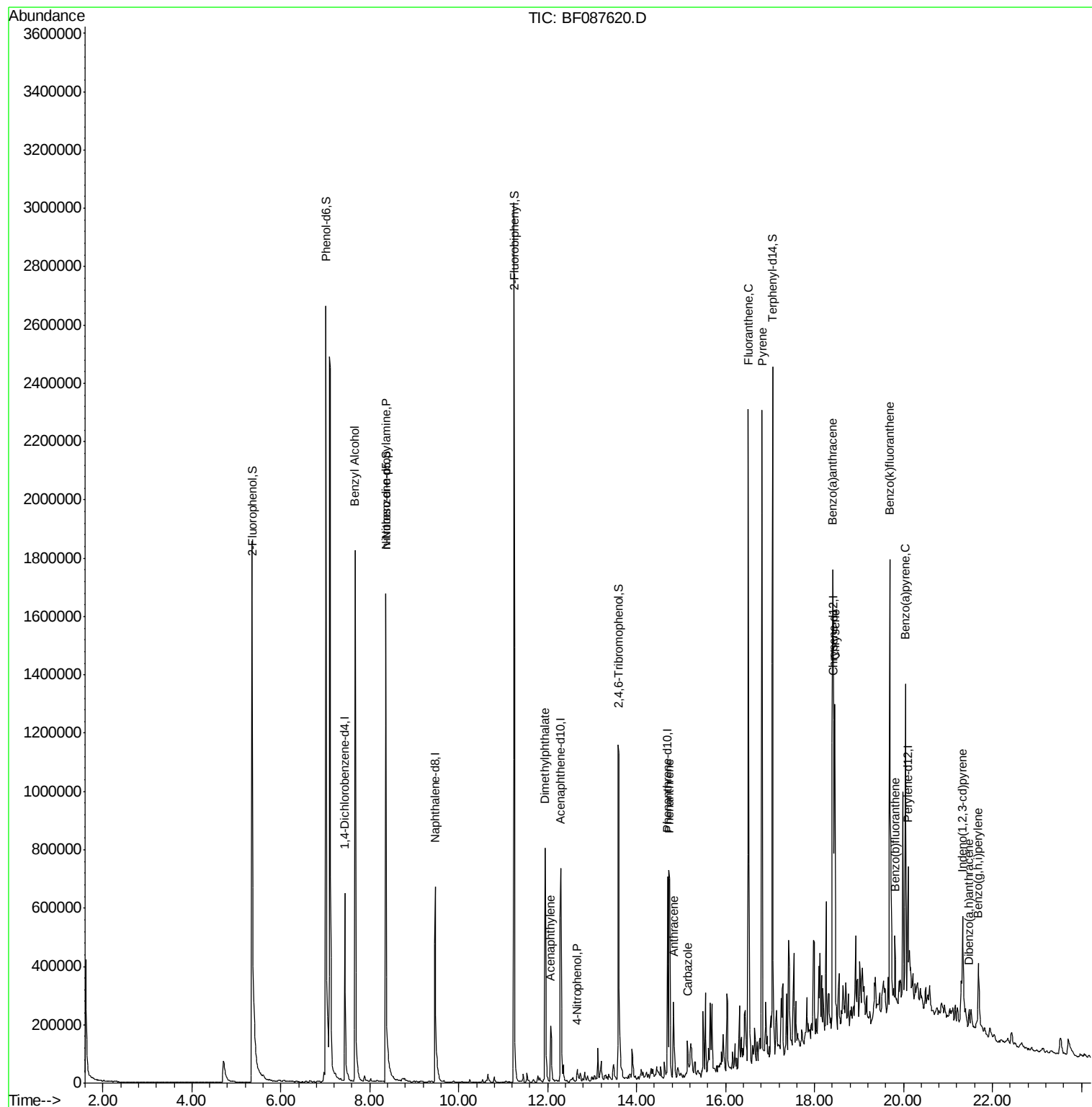
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.67	79	15560	2.18	ng	# 45
19) n-Nitroso-di-n-propylamine	8.36	70	115034	15.78	ng	# 77
48) Acenaphthylene	12.07	152	130831	6.17	ng	97
49) Dimethylphthalate	11.94	163	394849	23.70	ng	100
55) 4-Nitrophenol	12.66	139	9145	5.56	ng	# 14
70) Phenanthrene	14.74	178	472697	26.78	ng	98
71) Anthracene	14.83	178	183624	10.30	ng	98
72) Carbazole	15.14	167	72843	4.79	ng	97
74) Fluoranthene	16.51	202	1093818	61.79	ng	95
77) Pyrene	16.82	202	1189832	65.36	ng	99
80) Benzo(a)anthracene	18.41	228	619912	43.09	ng	93
82) Chrysene	18.46	228	705229	49.39	ng	98
85) Indeno(1,2,3-cd)pyrene	21.33	276	227893	19.91	ng	# 88
87) Benzo(b)fluoranthene	19.81	252	115592	9.12	ng	97
88) Benzo(k)fluoranthene	19.69	252	1070740	98.15	ng	99
89) Benzo(a)pyrene	20.05	252	367545	33.53	ng	96
90) Dibenzo(a,h)anthracene	21.47	278	35500	3.80	ng	95
91) Benzo(g,h,i)perylene	21.68	276	193739	21.00	ng	# 93

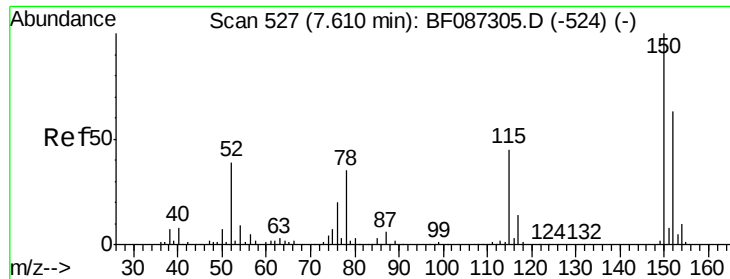
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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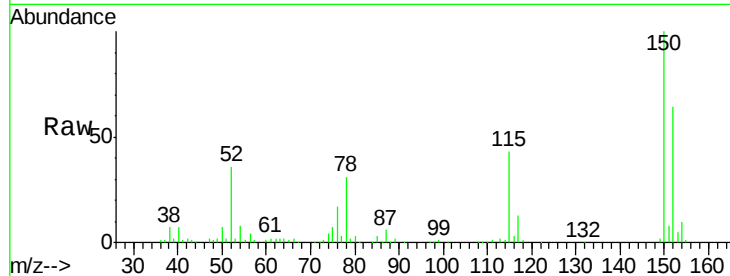


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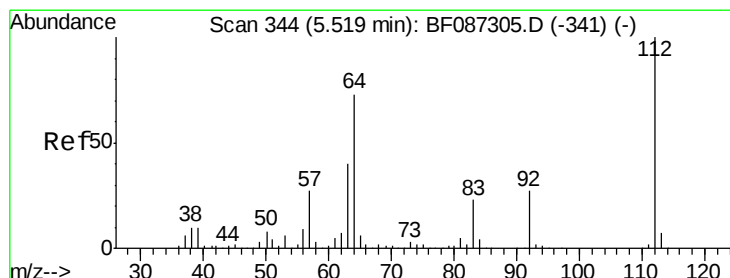
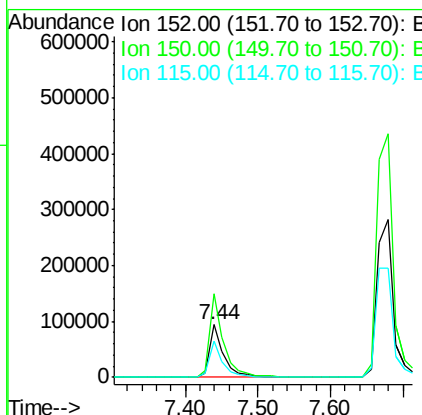
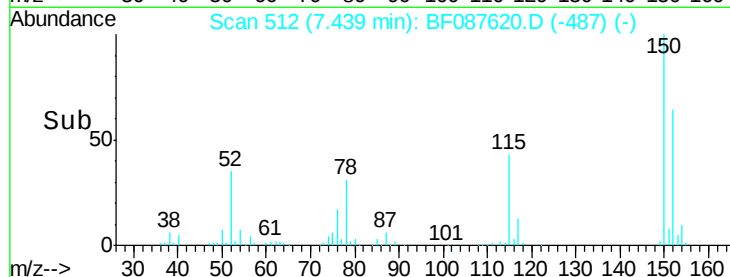
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.44 min Scan# 512
Delta R.T. -0.01 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1690(0-4)RE

Tgt Ion:152 Resp: 127127
Ion Ratio Lower Upper
152 100
150 157.2 125.8 188.6
115 67.5 51.5 77.3



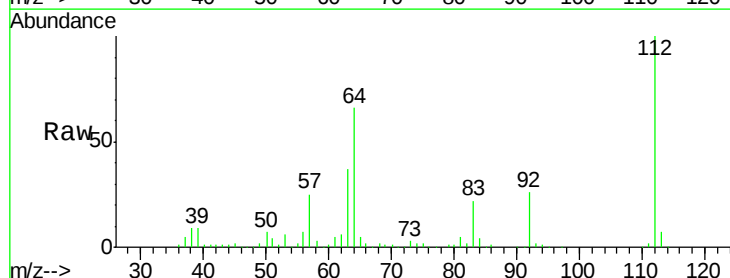
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



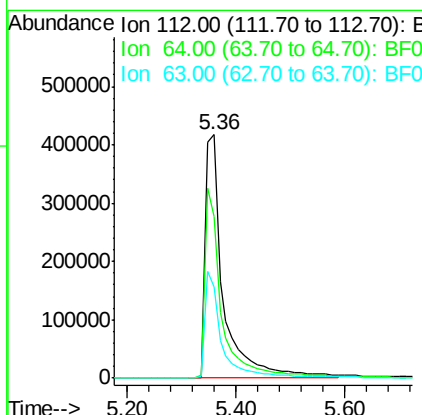
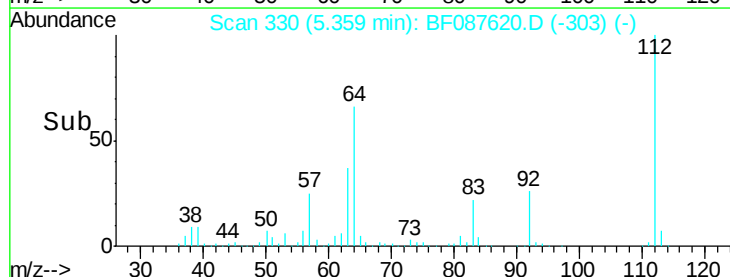
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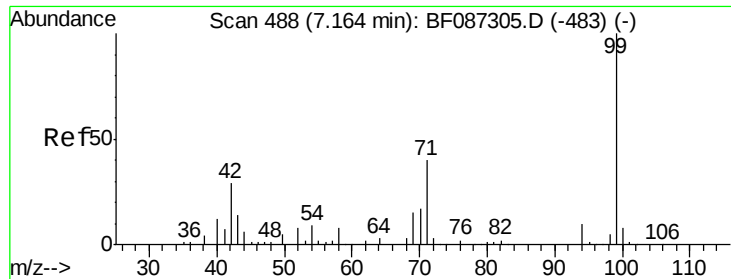
2-Fluorophenol
Concen: 135.27 ng
RT: 5.36 min Scan# 330
Delta R.T. 0.01 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:112 Resp: 978654
Ion Ratio Lower Upper
112 100
64 66.3 52.1 78.1
63 37.4 25.7 38.5



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: 132.42 ng

RT: 7.02 min Scan# 475

Delta R.T. 0.00 min

Lab File: BF087620.D

Acq: 1 Jun 2016 13:26

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1690(0-4)RE

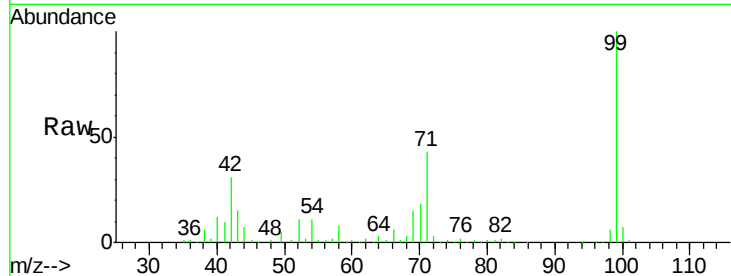
Tgt Ion: 99 Resp: 1294543

Ion Ratio Lower Upper

99 100

42 30.9 13.6 20.4#

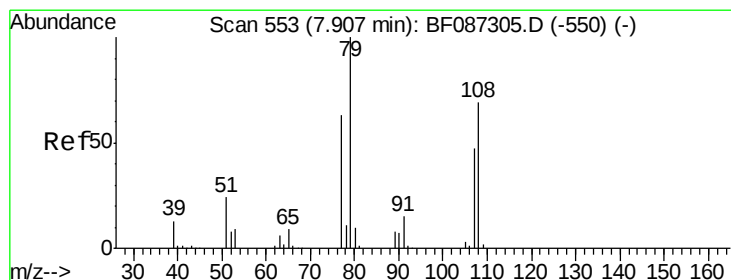
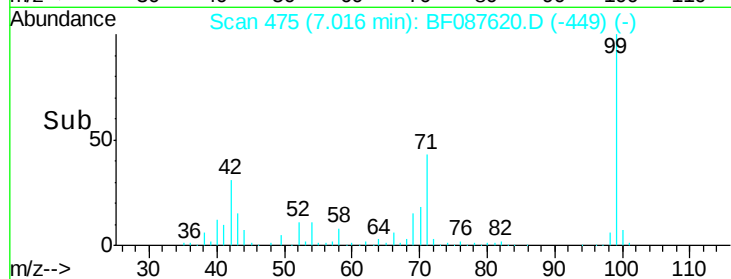
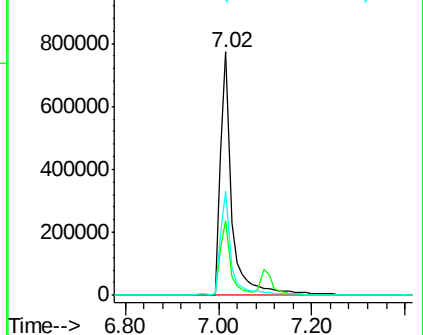
71 42.5 24.6 36.8#



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



#15

Benzyl Alcohol

Concen: 2.18 ng

RT: 7.67 min Scan# 532

Delta R.T. -0.09 min

Lab File: BF087620.D

Acq: 1 Jun 2016 13:26

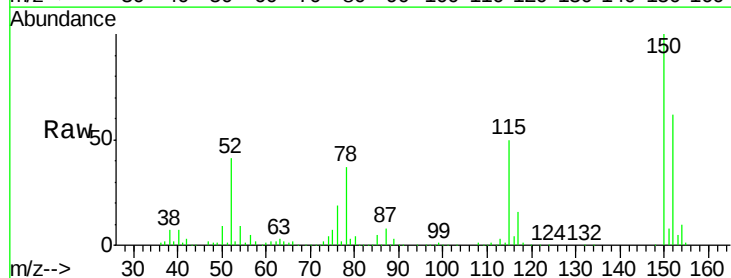
Tgt Ion: 79 Resp: 15560

Ion Ratio Lower Upper

79 100

108 25.9 68.4 102.6#

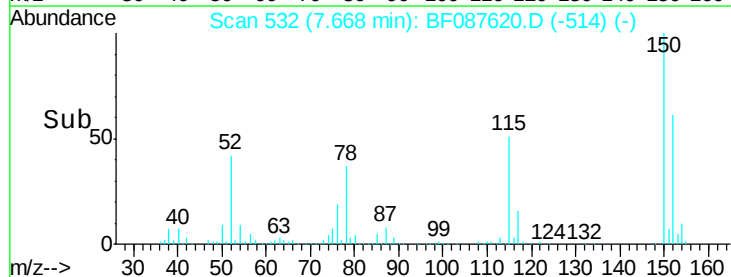
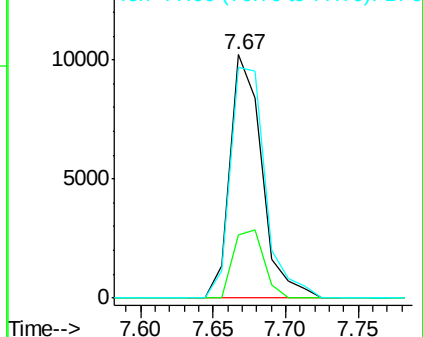
77 94.7 50.6 76.0#

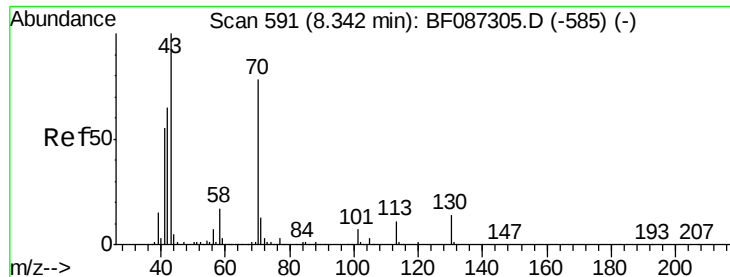


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

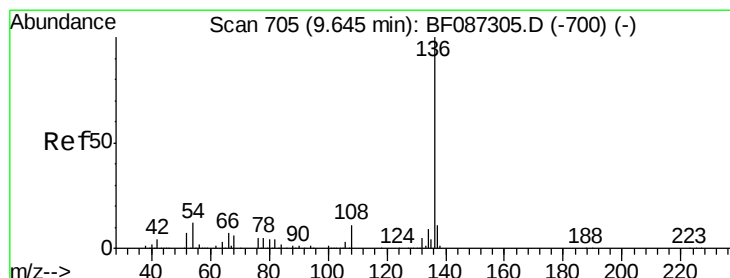
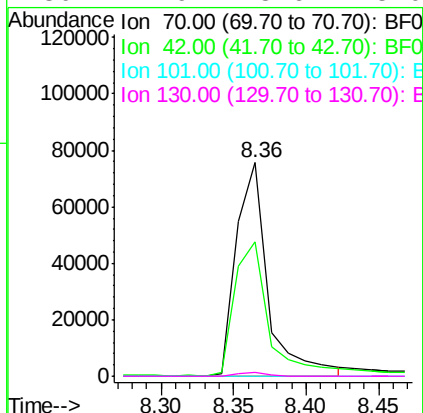
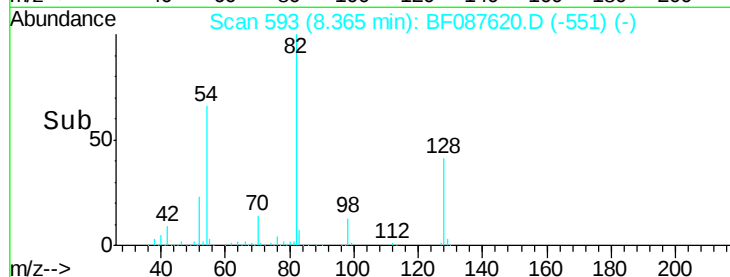
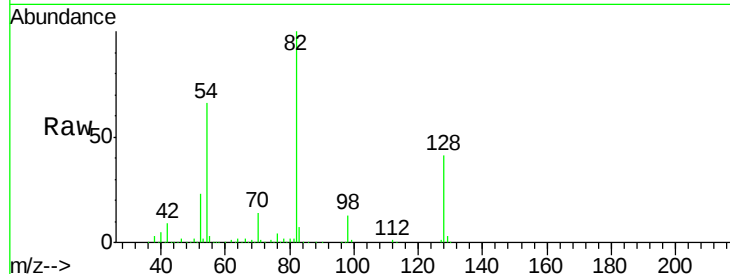




#19
n-Nitroso-di-n-propylamine
Concen: 15.78 ng
RT: 8.36 min Scan# 593
Delta R.T. 0.18 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

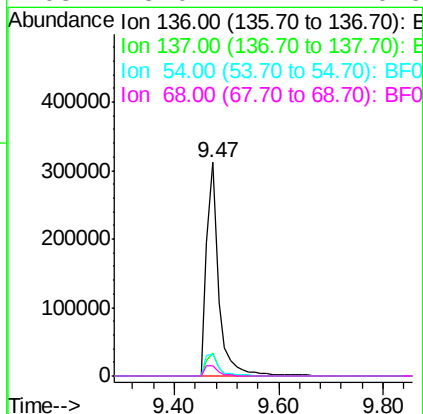
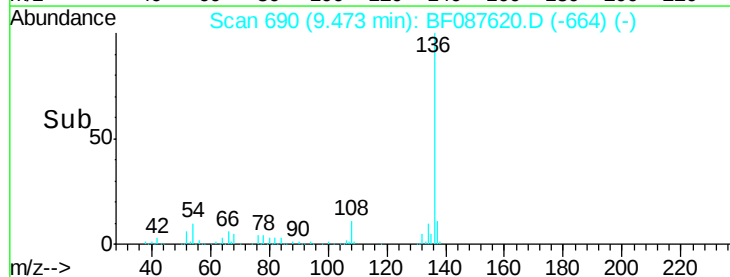
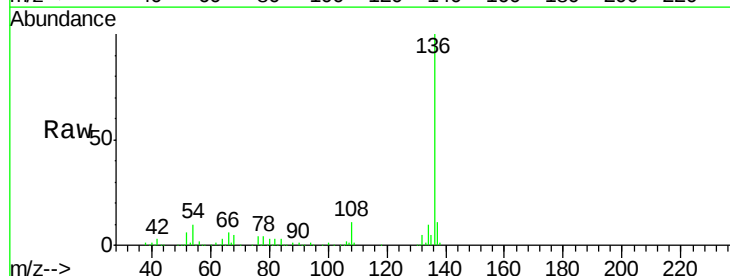
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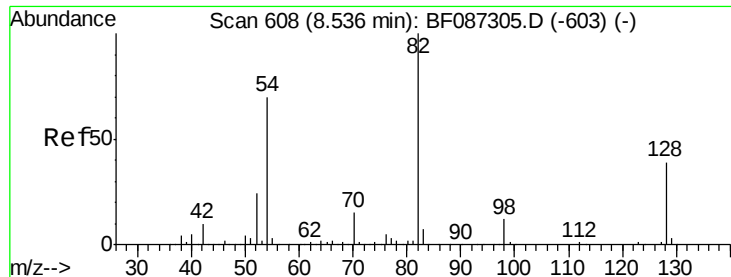
Tgt Ion: 70 Resp: 115034
Ion Ratio Lower Upper
70 100
42 62.8 43.1 64.7
101 0.0 8.1 12.1#
130 1.9 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.47 min Scan# 690
Delta R.T. 0.00 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:136 Resp: 504811
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 10.3 5.0 7.4#
68 5.0 4.4 6.6

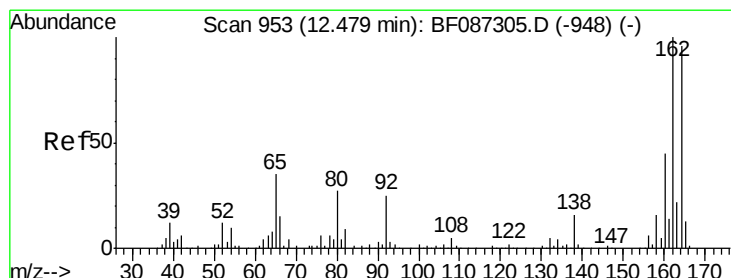
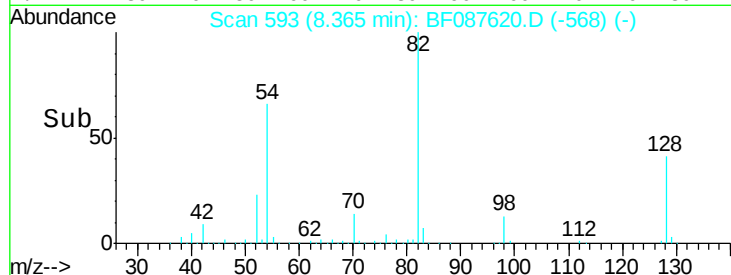
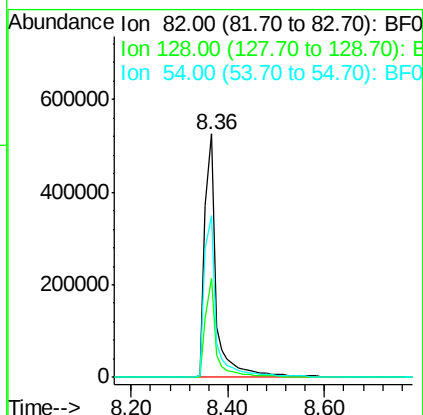
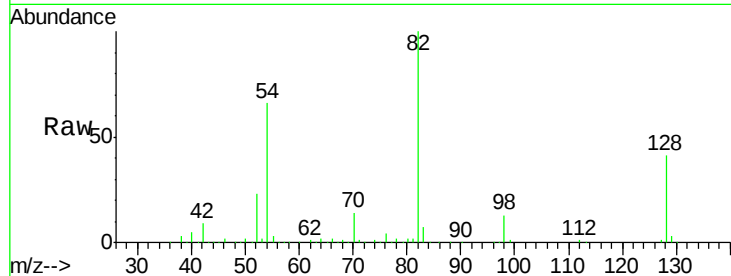




#23
 Nitrobenzene-d5
 Concen: 87.02 ng
 RT: 8.36 min Scan# 593
 Delta R.T. -0.01 min
 Lab File: BF087620.D
 Acq: 1 Jun 2016 13:26

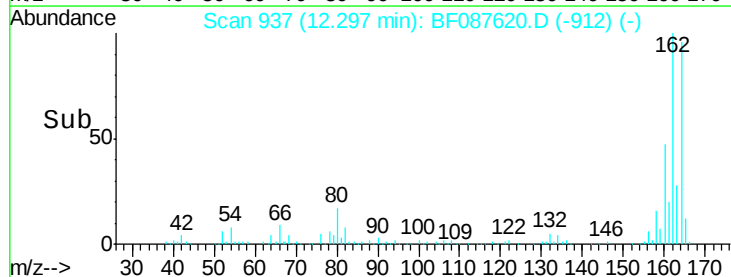
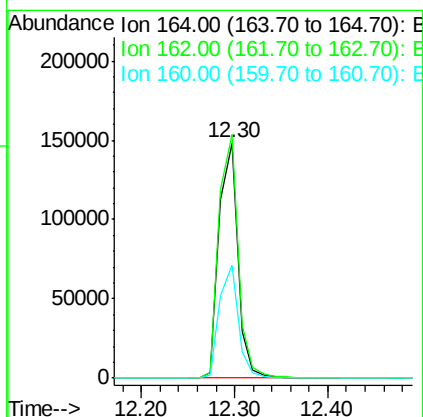
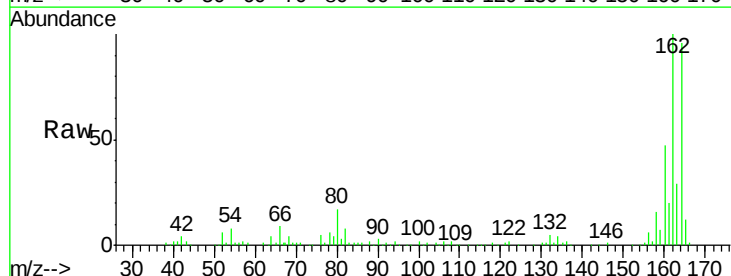
Instrument :
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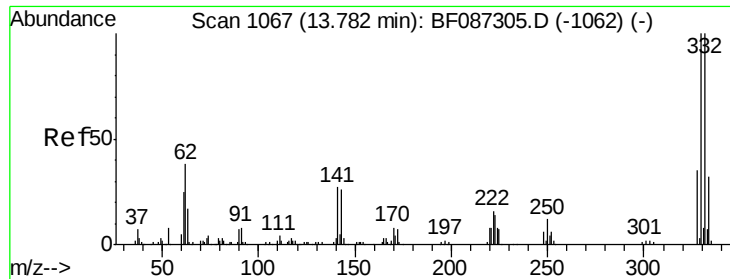
Tgt Ion: 82 Resp: 871651
 Ion Ratio Lower Upper
 82 100
 128 40.7 40.6 61.0
 54 66.3 38.1 57.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.30 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: BF087620.D
 Acq: 1 Jun 2016 13:26

Tgt Ion: 164 Resp: 207980
 Ion Ratio Lower Upper
 164 100
 162 103.7 82.8 124.2
 160 48.3 36.9 55.3

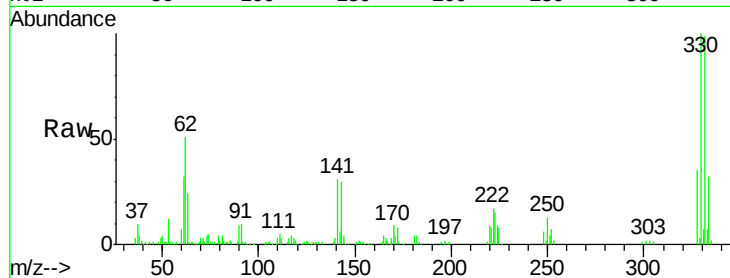




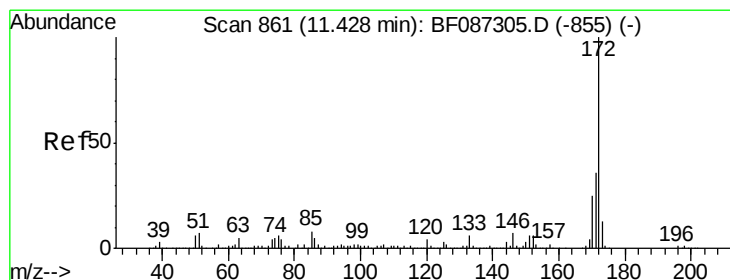
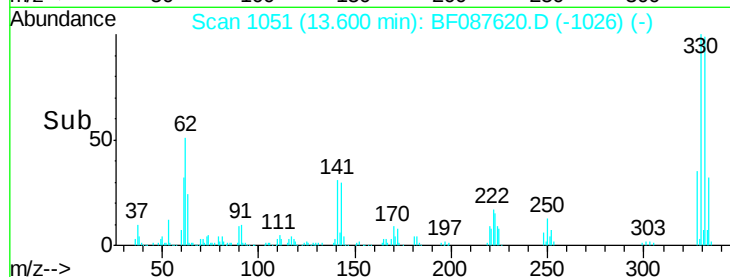
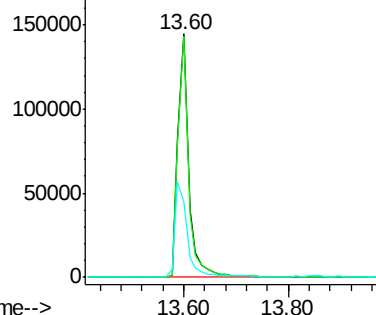
#41
 2,4,6-Tribromophenol
 Concen: 105.44 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: BF087620.D
 Acq: 1 Jun 2016 13:26

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1690(0-4)RE

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	79.0	118.4
141	44.9	31.2	46.8

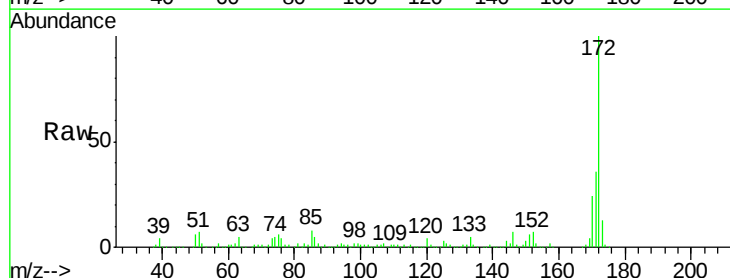


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

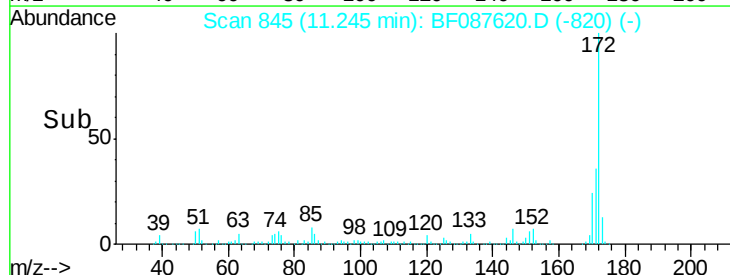
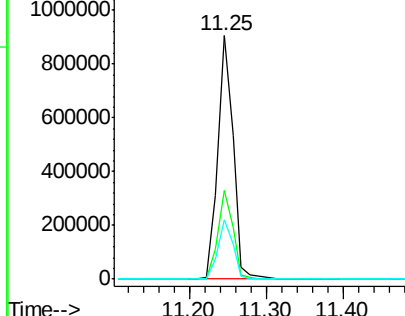


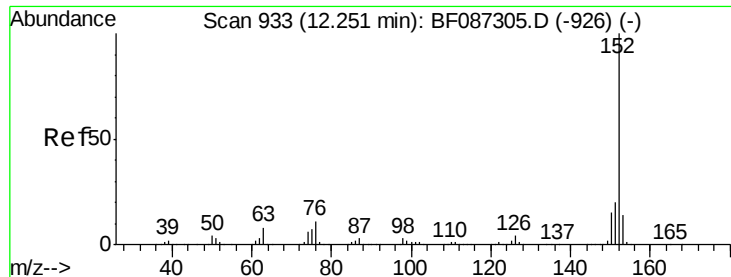
#44
 2-Fluorobiphenyl
 Concen: 86.28 ng
 RT: 11.25 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BF087620.D
 Acq: 1 Jun 2016 13:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.6
170	24.4	19.8	29.8



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

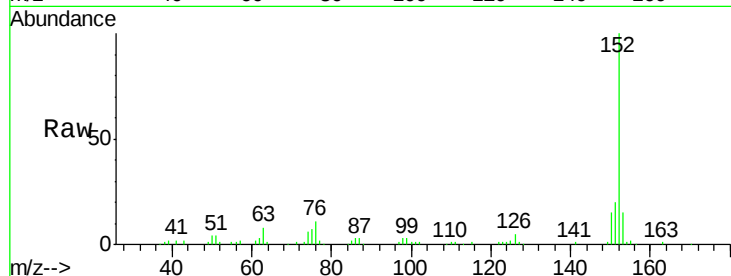




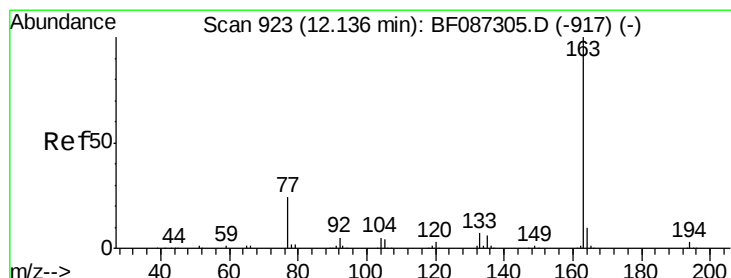
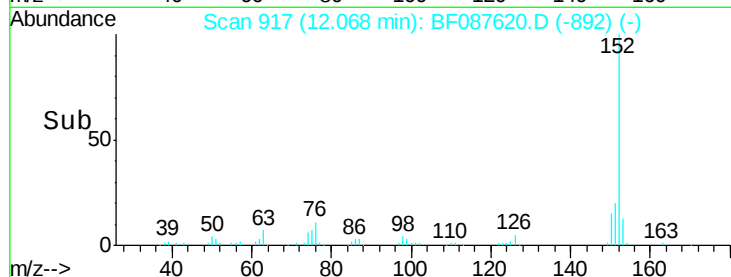
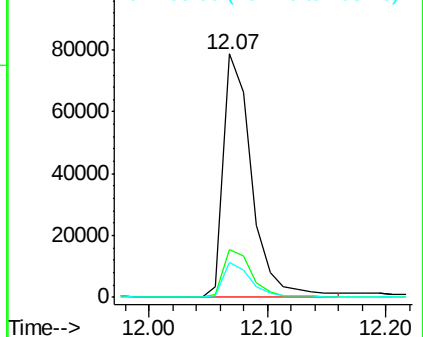
#48
Acenaphthylene
Concen: 6.17 ng
RT: 12.07 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Instrument :
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ClientSampleId :
CHS-STA-1690(0-4)RE

Tgt Ion:152 Resp: 130831
Ion Ratio Lower Upper
152 100
151 19.7 16.8 25.2
153 14.5 10.9 16.3

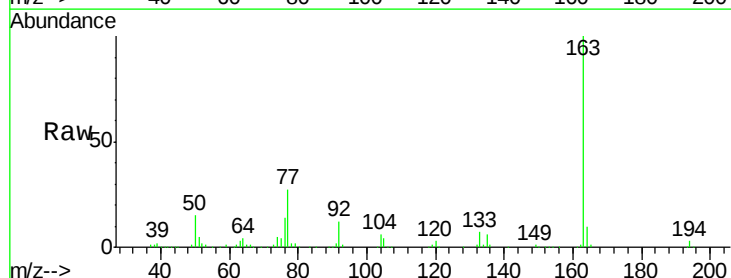


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

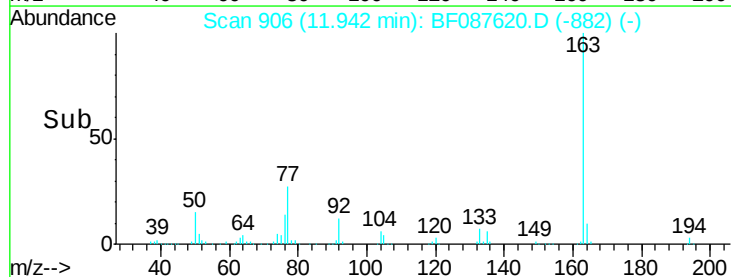
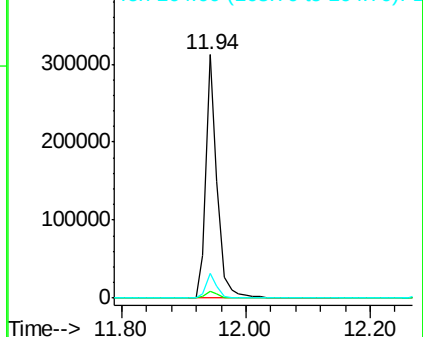


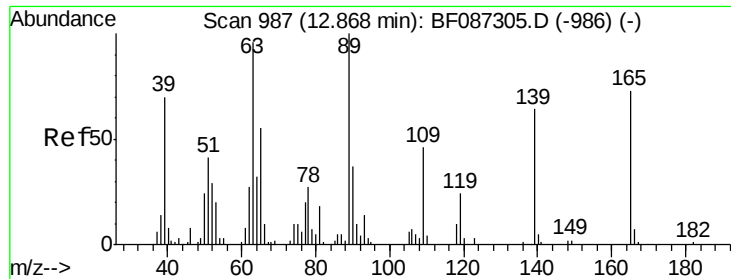
#49
Dimethylphthalate
Concen: 23.70 ng
RT: 11.94 min Scan# 906
Delta R.T. -0.02 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:163 Resp: 394849
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.4 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#55

4-Nitrophenol

Concen: 5.56 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.11 min

Lab File: BF087620.D

Acq: 1 Jun 2016 13:26

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1690(0-4)RE

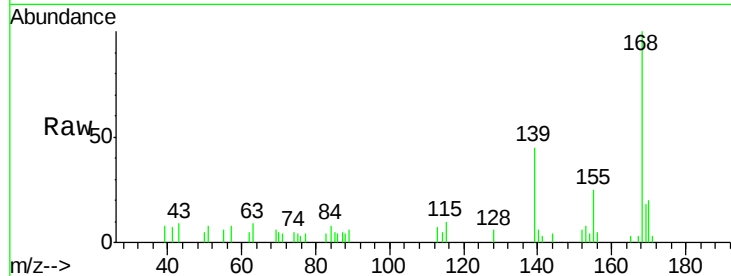
Tgt Ion:139 Resp: 9145

Ion Ratio Lower Upper

139 100

109 0.0 36.9 76.9#

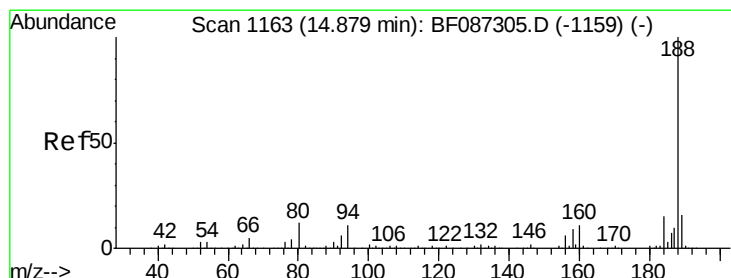
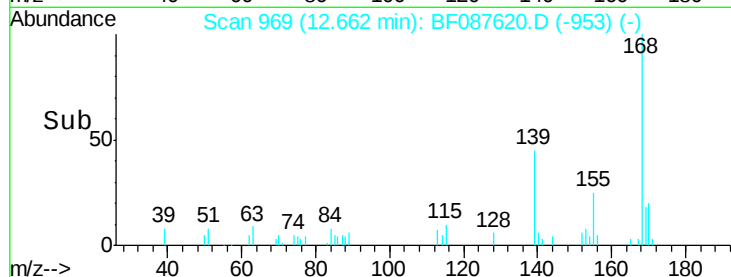
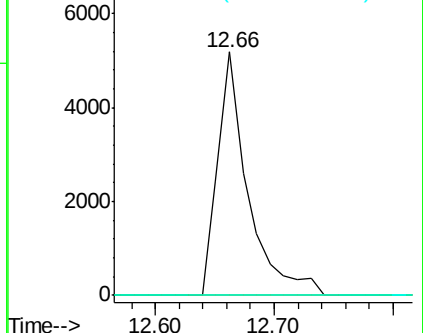
65 0.0 64.0 104.0#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.70 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF087620.D

Acq: 1 Jun 2016 13:26

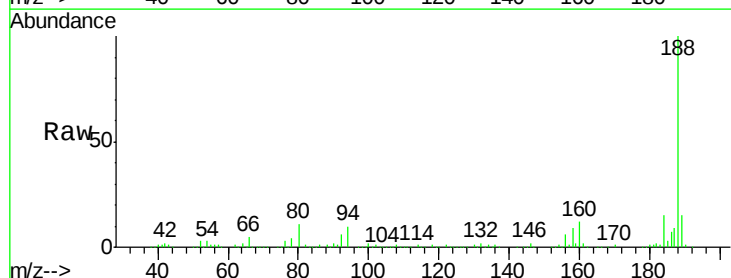
Tgt Ion:188 Resp: 318712

Ion Ratio Lower Upper

188 100

94 9.9 6.8 10.2

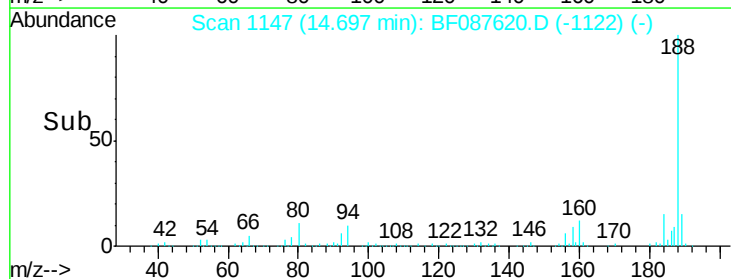
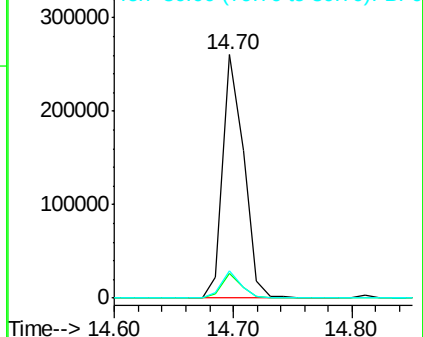
80 11.0 7.1 10.7#

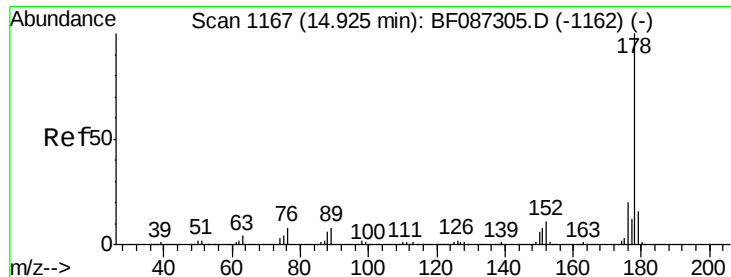


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 26.78 ng

RT: 14.74 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF087620.D

Acq: 1 Jun 2016 13:26

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1690(0-4)RE

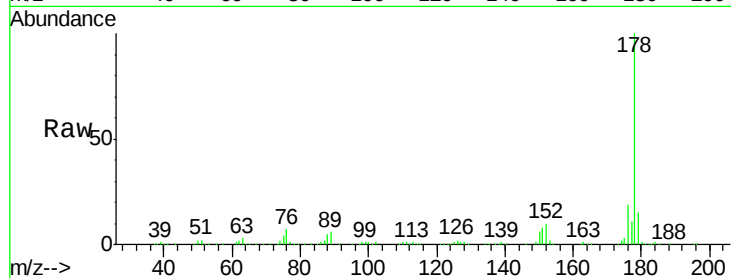
Tgt Ion:178 Resp: 472697

Ion Ratio Lower Upper

178 100

176 19.3 16.0 24.0

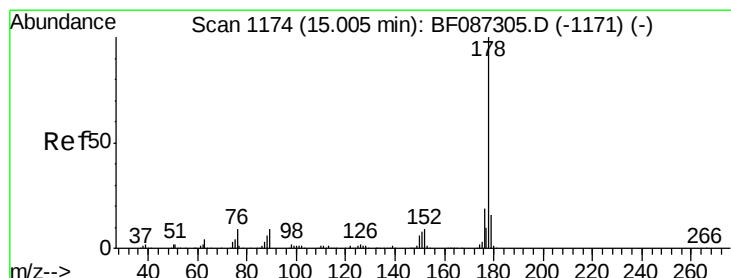
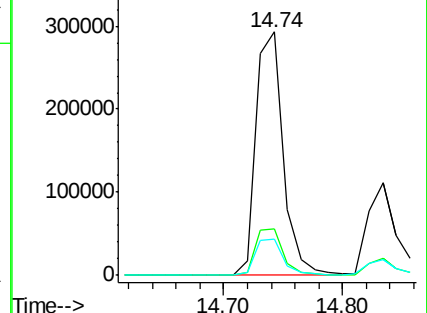
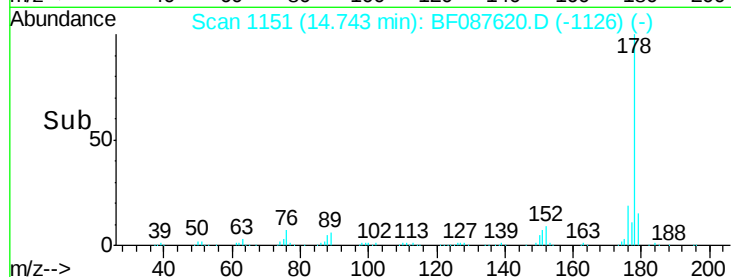
179 14.7 12.6 18.8



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



#71

Anthracene

Concen: 10.30 ng

RT: 14.83 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF087620.D

Acq: 1 Jun 2016 13:26

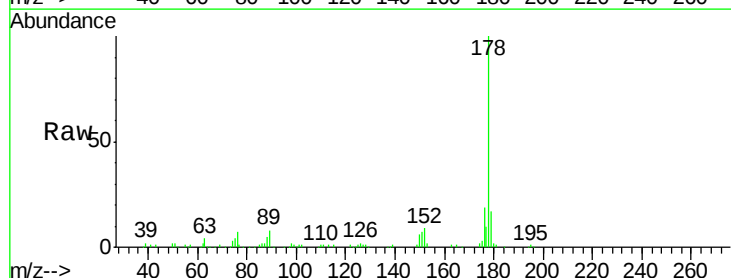
Tgt Ion:178 Resp: 183624

Ion Ratio Lower Upper

178 100

176 18.7 15.6 23.4

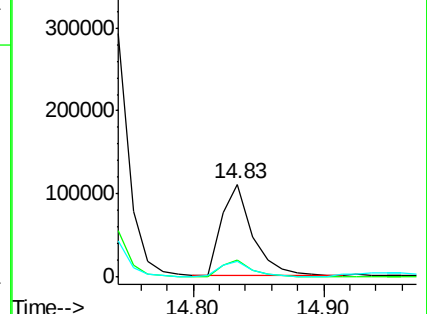
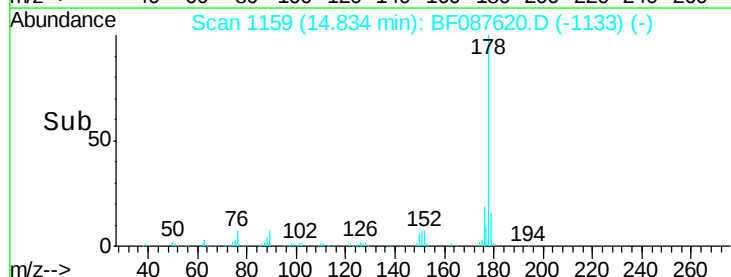
179 16.7 12.7 19.1

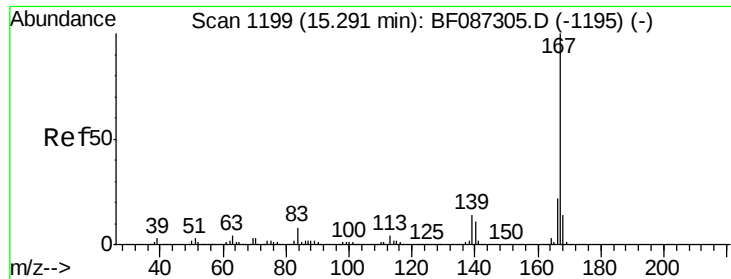


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.79 ng

RT: 15.14 min Scan# 1186

Delta R.T. 0.01 min

Lab File: BF087620.D

Acq: 1 Jun 2016 13:26

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1690(0-4)RE

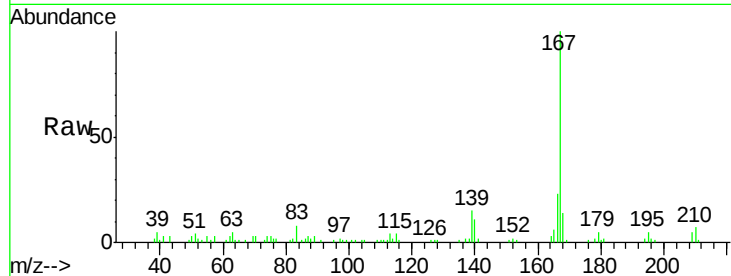
Tgt Ion:167 Resp: 72843

Ion Ratio Lower Upper

167 100

166 22.7 17.7 26.5

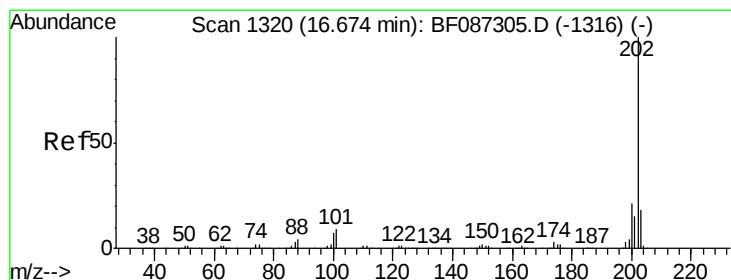
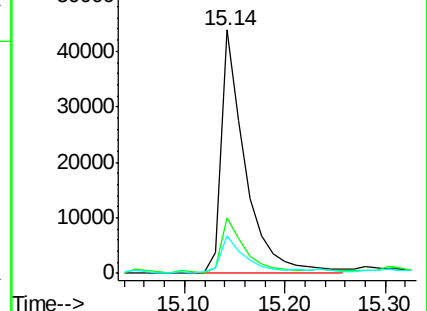
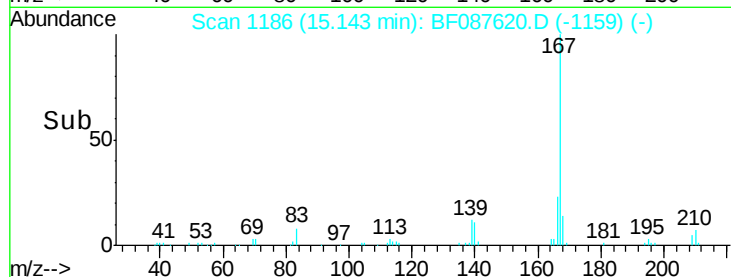
139 15.4 10.8 16.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 61.79 ng

RT: 16.51 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BF087620.D

Acq: 1 Jun 2016 13:26

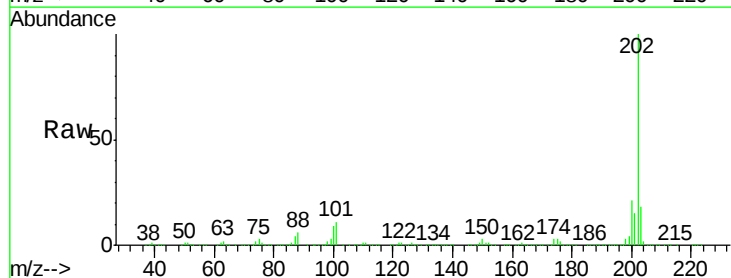
Tgt Ion:202 Resp: 1093818

Ion Ratio Lower Upper

202 100

101 11.1 0.0 35.4

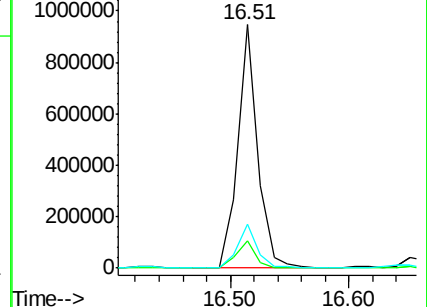
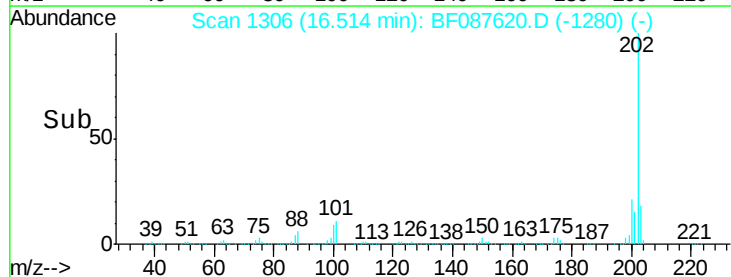
203 17.9 0.0 38.1

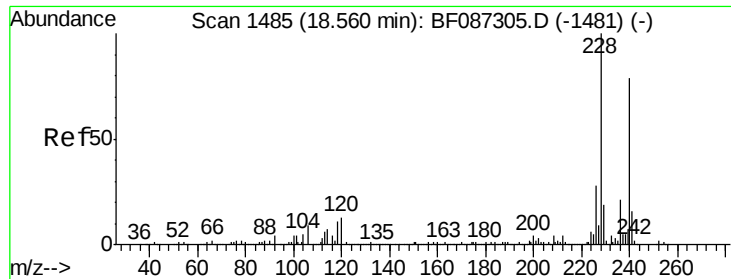


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.42 min Scan# 1473

Delta R.T. 0.00 min

Lab File: BF087620.D

Acq: 1 Jun 2016 13:26

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1690(0-4)RE

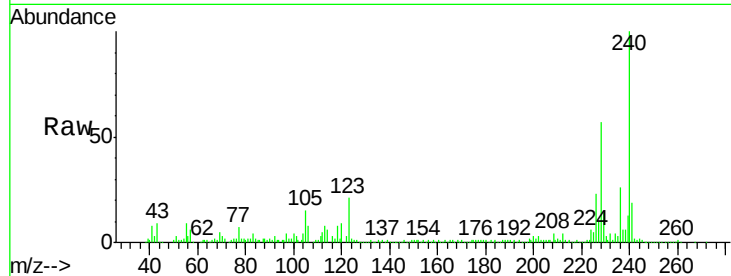
Tgt Ion:240 Resp: 252917

Ion Ratio Lower Upper

240 100

120 8.8 11.2 16.8#

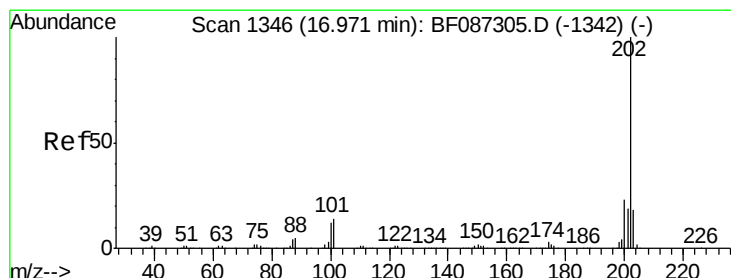
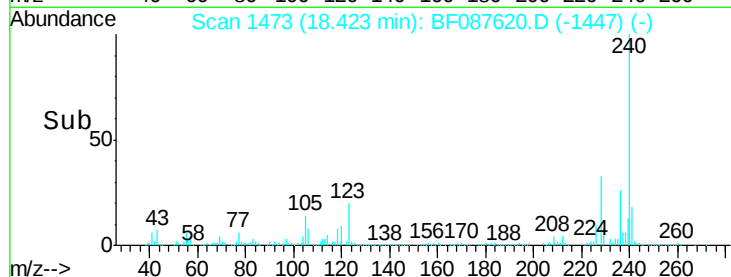
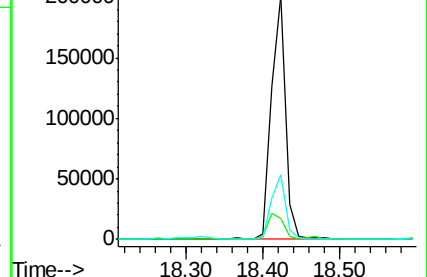
236 26.2 21.2 31.8



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



#77

Pyrene

Concen: 65.36 ng

RT: 16.82 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BF087620.D

Acq: 1 Jun 2016 13:26

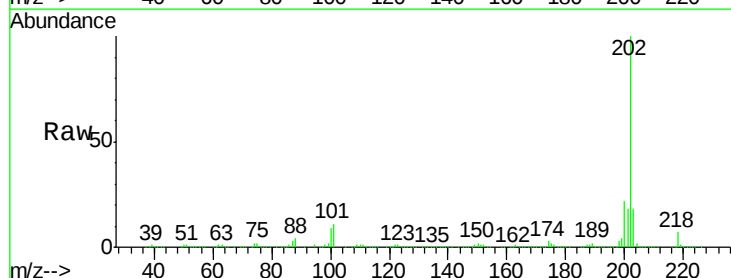
Tgt Ion:202 Resp: 1189832

Ion Ratio Lower Upper

202 100

200 21.8 17.7 26.5

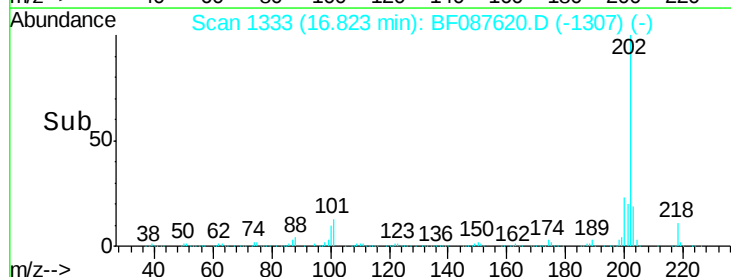
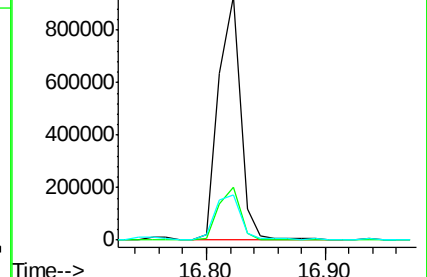
203 18.5 14.2 21.4

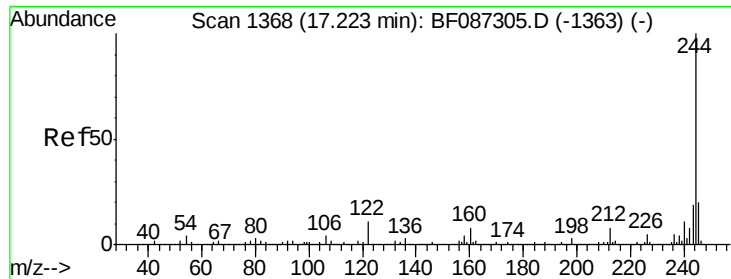


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

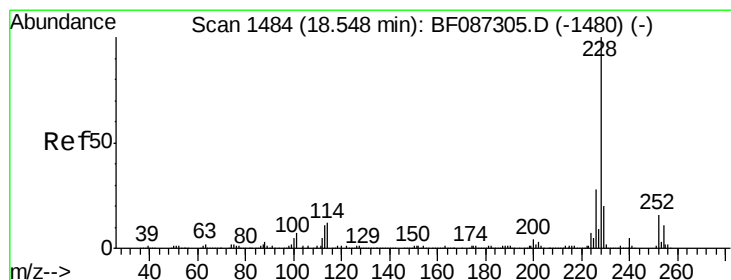
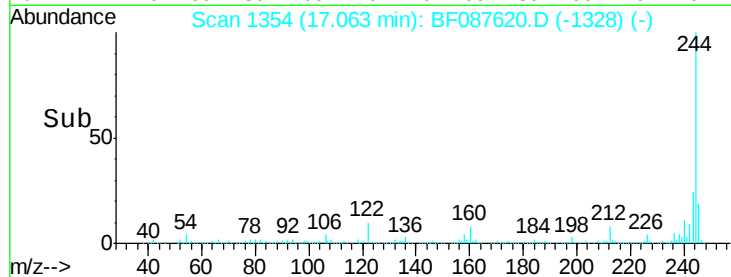
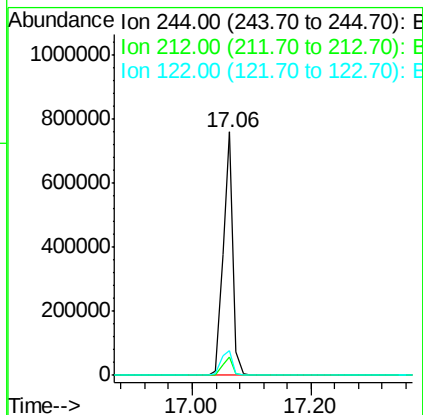
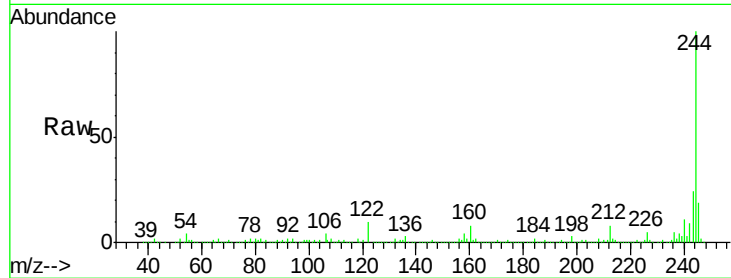




#78
 Terphenyl-d14
 Concen: 71.42 ng
 RT: 17.06 min Scan# 1354
 Delta R.T. 0.00 min
 Lab File: BF087620.D
 Acq: 1 Jun 2016 13:26

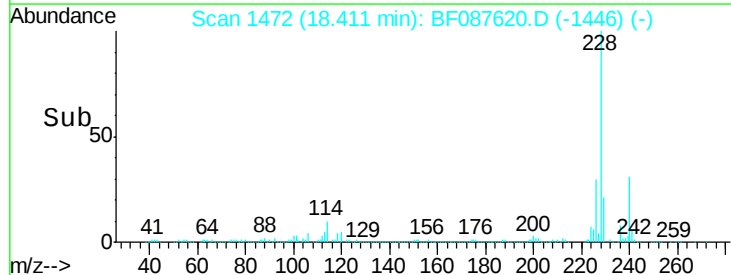
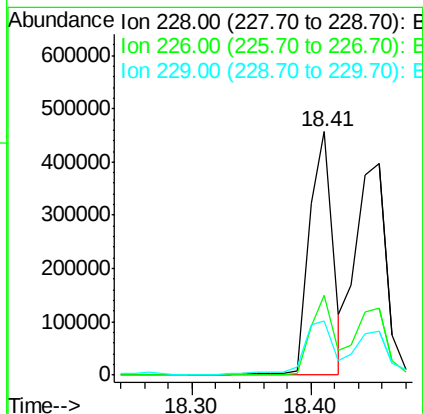
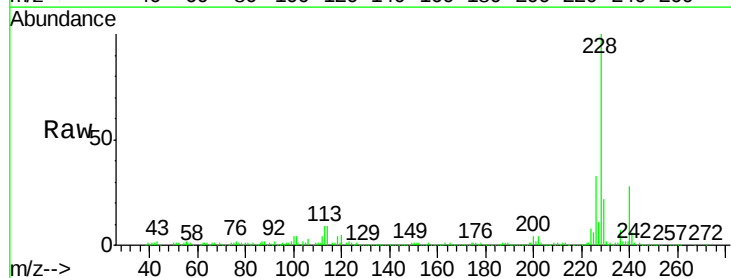
Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1690(0-4)RE

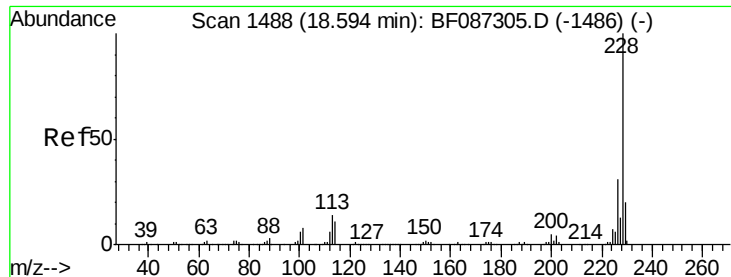
Tgt Ion:244 Resp: 849655
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 10.2 12.0 18.0#



#80
 Benzo(a)anthracene
 Concen: 43.09 ng
 RT: 18.41 min Scan# 1472
 Delta R.T. 0.00 min
 Lab File: BF087620.D
 Acq: 1 Jun 2016 13:26

Tgt Ion:228 Resp: 619912
 Ion Ratio Lower Upper
 228 100
 226 33.0 22.5 33.7
 229 22.2 16.6 25.0





#82

Chrysene

Concen: 49.39 ng

RT: 18.46 min Scan# 1476

Delta R.T. 0.00 min

Lab File: BF087620.D

Acq: 1 Jun 2016 13:26

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1690(0-4)RE

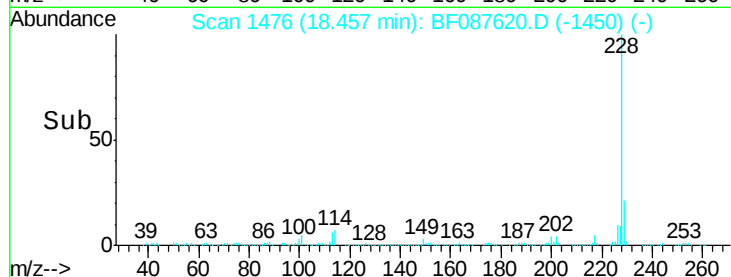
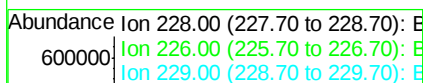
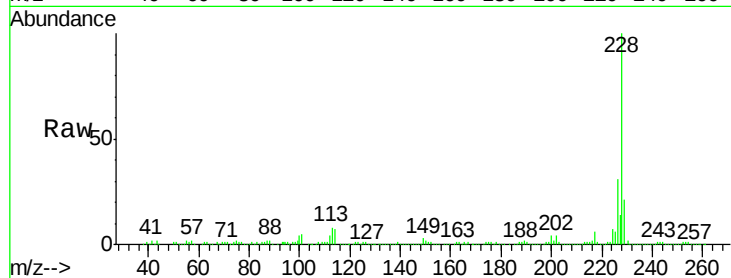
Tgt Ion:228 Resp: 705229

Ion Ratio Lower Upper

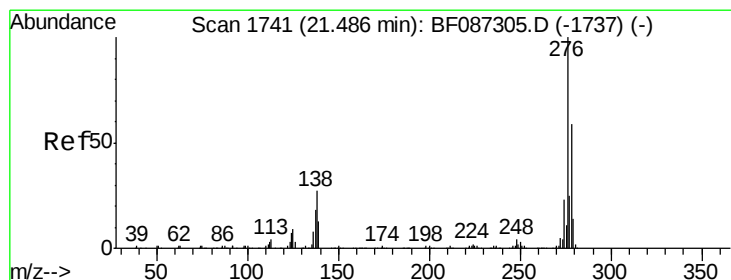
228 100

226 31.4 24.4 36.6

229 21.0 15.8 23.8



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 19.91 ng

RT: 21.33 min Scan# 1727

Delta R.T. 0.01 min

Lab File: BF087620.D

Acq: 1 Jun 2016 13:26

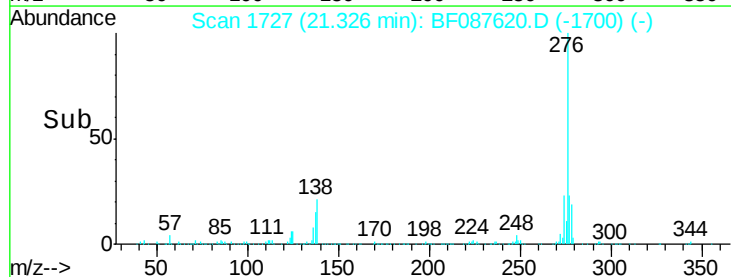
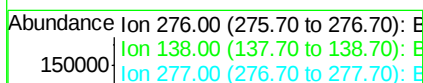
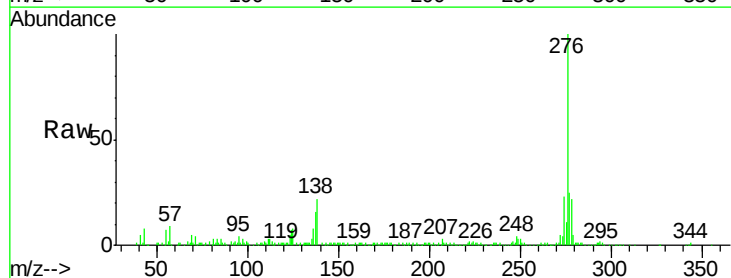
Tgt Ion:276 Resp: 227893

Ion Ratio Lower Upper

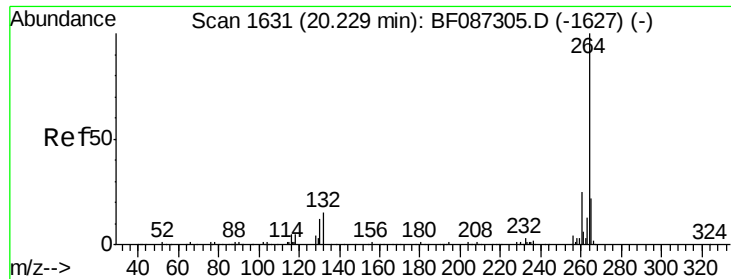
276 100

138 21.3 25.6 38.4#

277 23.6 20.5 30.7



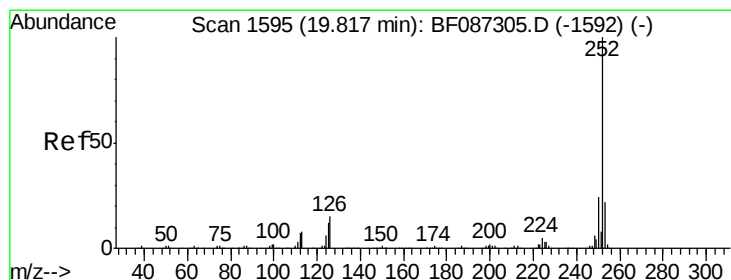
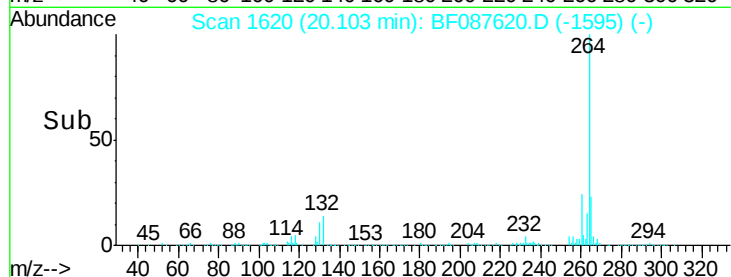
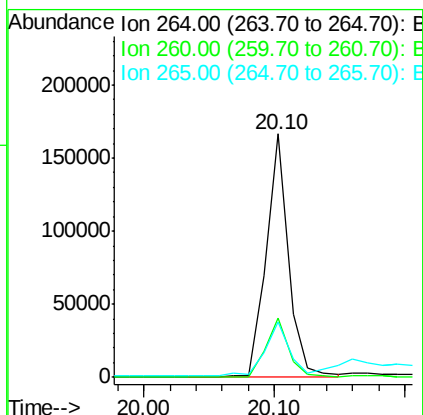
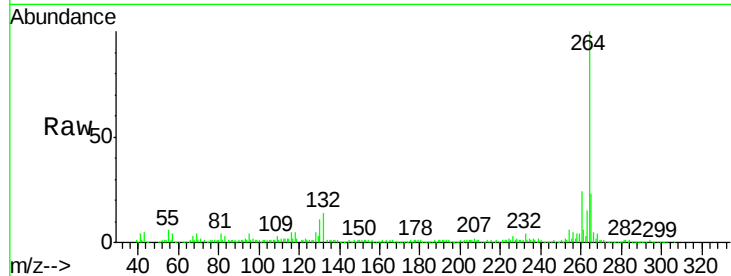
Time-->



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.10 min Scan# 1620
Delta R.T. -0.01 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

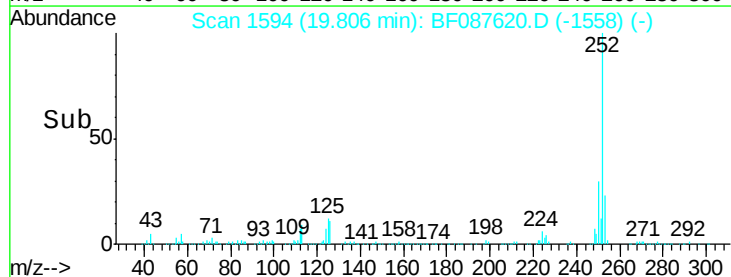
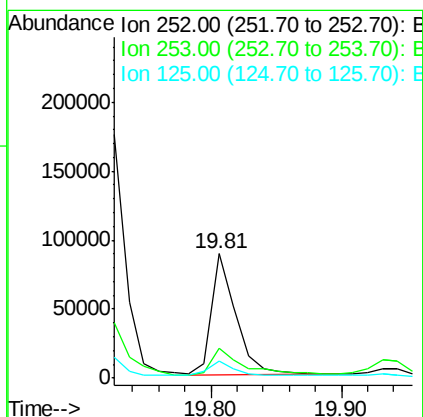
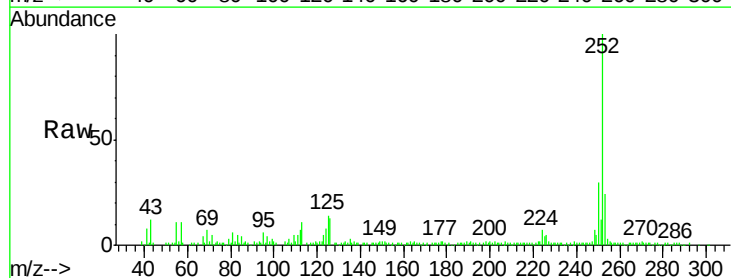
Instrument :
BNA_F
ClientSampleId :
CHS-STA-1690(0-4)RE

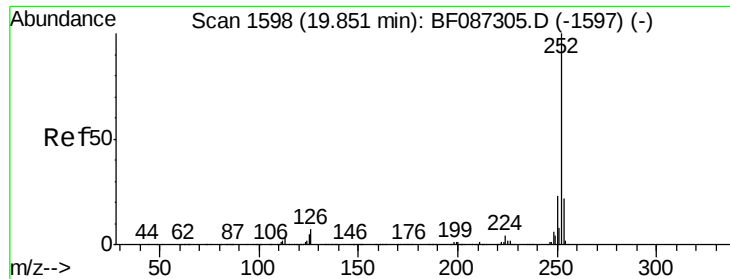
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.8	17.3	25.9



#87
Benzo(b)fluoranthene
Concen: 9.12 ng
RT: 19.81 min Scan# 1594
Delta R.T. 0.11 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	13.5	11.4	17.0

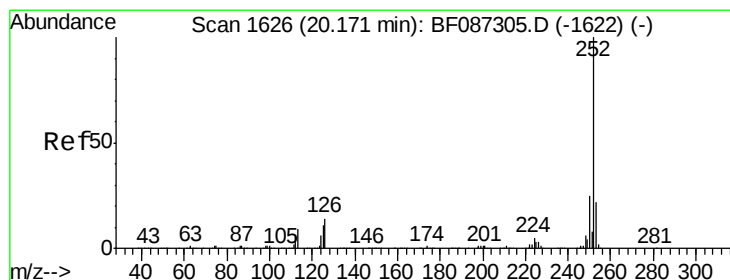
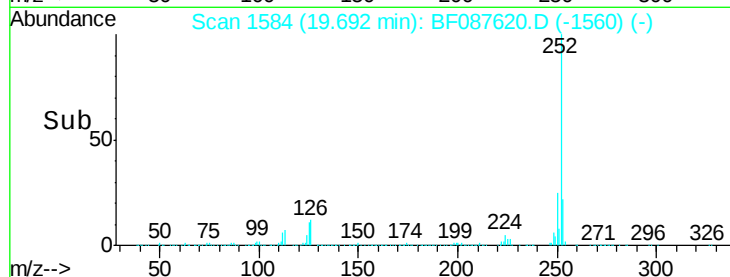
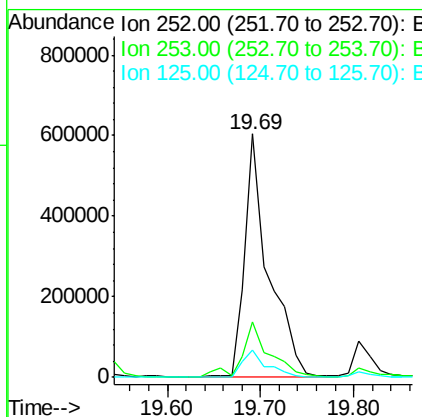
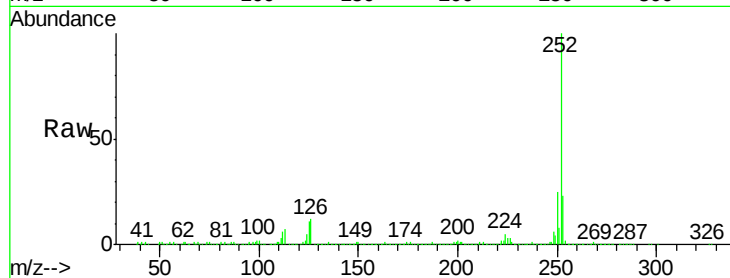




#88
Benzo(k)fluoranthene
Concen: 98.15 ng
RT: 19.69 min Scan# 1584
Delta R.T. -0.02 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

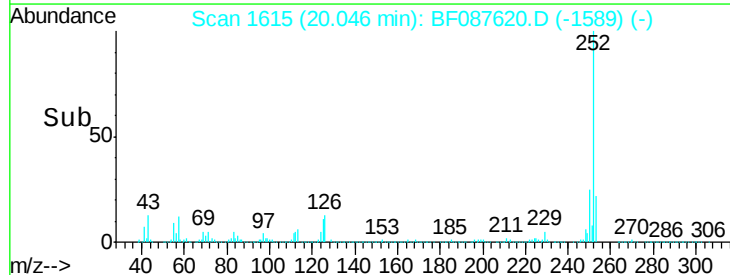
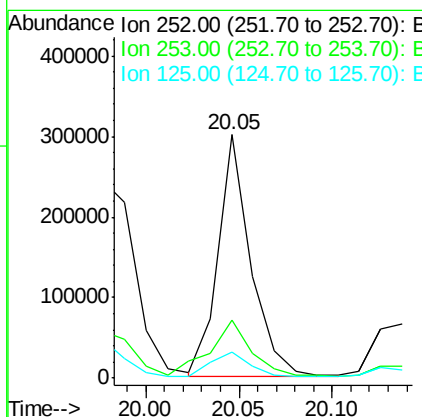
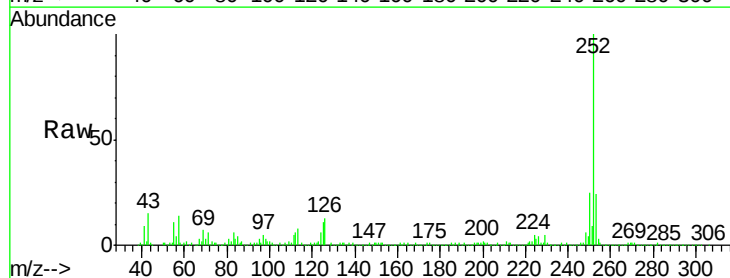
Instrument :
BNA_F
ClientSampleId :
CHS-STA-1690(0-4)RE

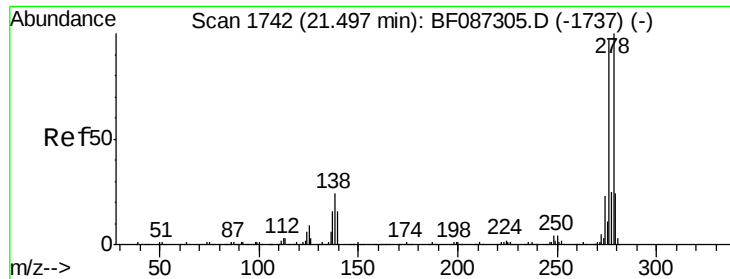
Tgt Ion:252 Resp: 1070740
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 11.0 9.1 13.7



#89
Benzo(a)pyrene
Concen: 33.53 ng
RT: 20.05 min Scan# 1615
Delta R.T. 0.00 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:252 Resp: 367545
Ion Ratio Lower Upper
252 100
253 24.0 17.2 25.8
125 10.9 9.0 13.6

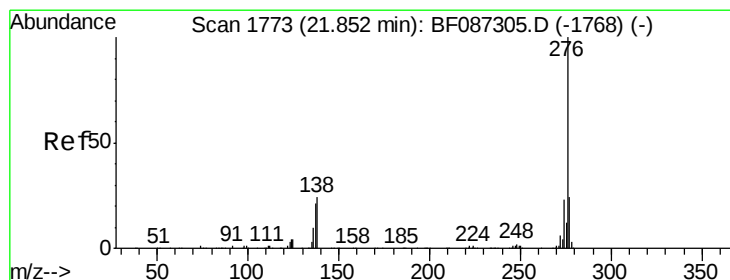
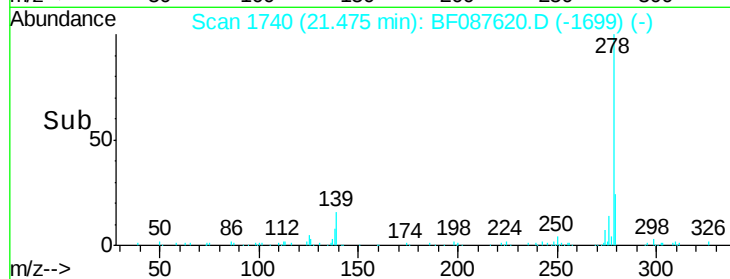
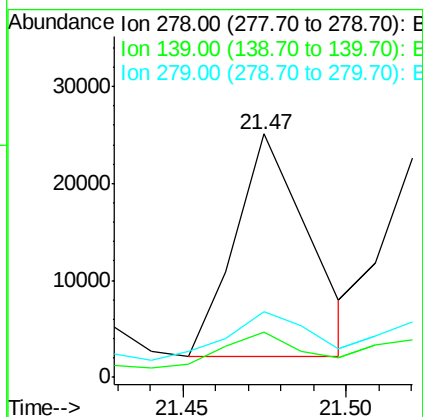
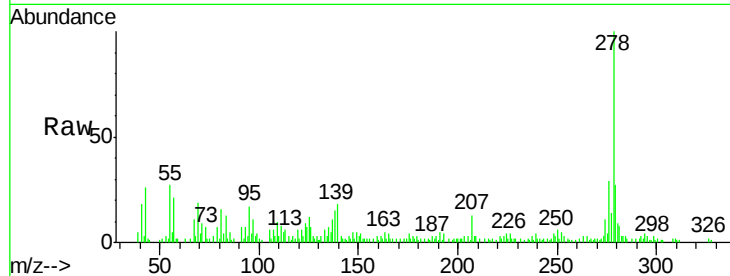




#90
Dibenzo(a,h)anthracene
Concen: 3.80 ng
RT: 21.47 min Scan# 1740
Delta R.T. 0.17 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1690(0-4)RE

Tgt Ion: 278 Resp: 35500
Ion Ratio Lower Upper
278 100
139 18.4 16.6 24.8
279 27.2 19.6 29.4



#91
Benzo(g,h,i)perylene
Concen: 21.00 ng
RT: 21.68 min Scan# 1758
Delta R.T. 0.00 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion: 276 Resp: 193739
Ion Ratio Lower Upper
276 100
277 25.4 19.6 29.4
138 23.6 23.6 35.4#

