

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
 Data File : BF087747.D
 Acq On : 6 Jun 2016 12:44
 Operator : UM/SJ
 Sample : H3190-13
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1672(0-4)

Quant Time: Jun 06 16:02:22 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

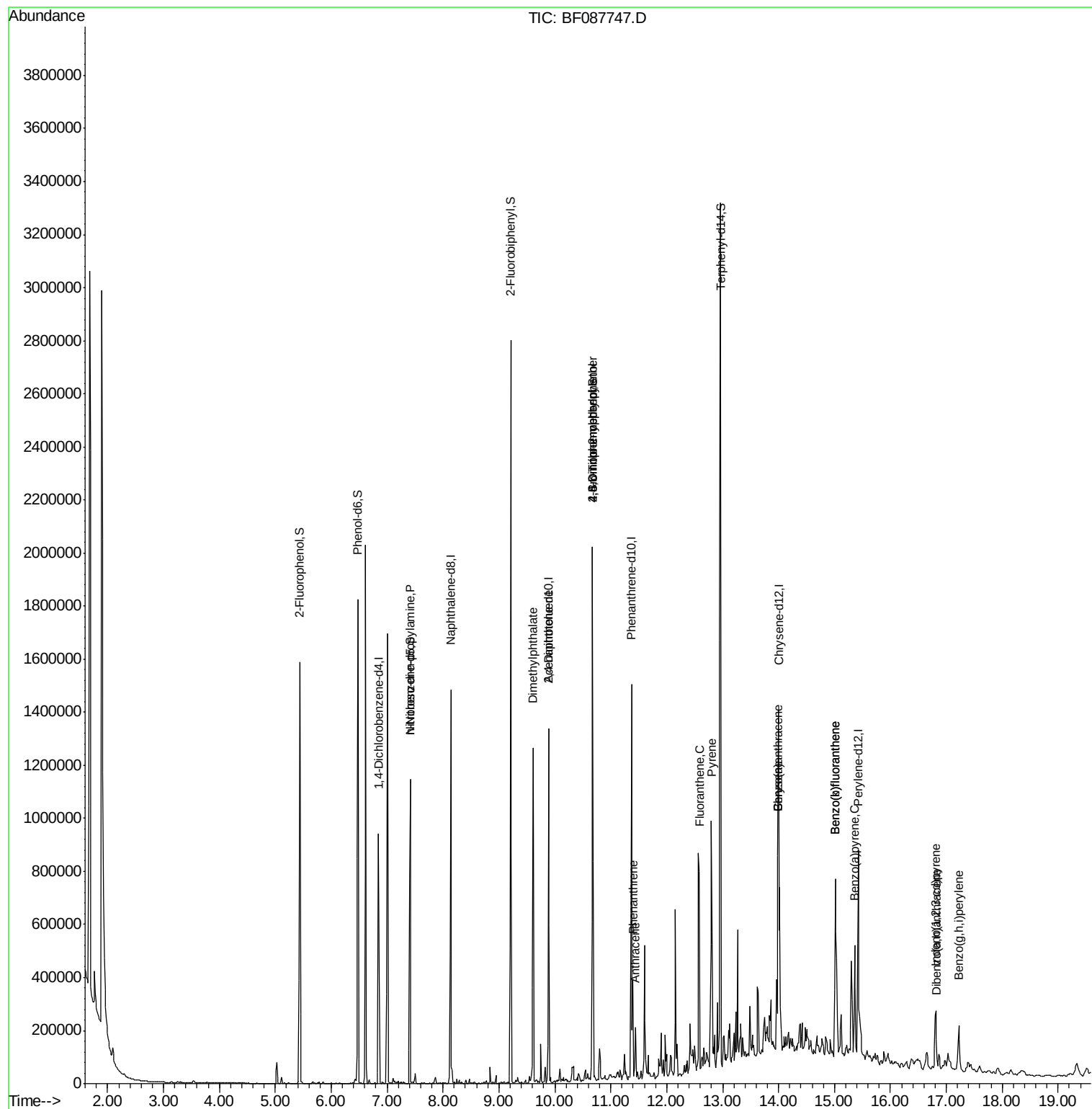
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	162255	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	698204	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	297159	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	566115	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	348339	20.00	ng	-0.02
86) Perylene-d12	15.43	264	340869	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	460876	45.91	ng	-0.01
7) Phenol-d6	6.48	99	729219	57.92	ng	-0.01
23) Nitrobenzene-d5	7.42	82	487725	40.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	332656	111.52	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	998081	44.75	ng	-0.02
78) Terphenyl-d14	12.96	244	1117560	78.29	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	62868	8.00	ng	# 70
49) Dimethylphthalate	9.61	163	525972	24.35	ng	100
56) 2,4-Dinitrotoluene	9.88	165	39047	6.24	ng	# 38
64) 4,6-Dinitro-2-methylphenol	10.67	198	331	2.12	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	18421	3.28	ng	# 1
70) Phenanthrene	11.39	178	156436	5.10	ng	97
71) Anthracene	11.44	178	68745	2.24	ng	98
74) Fluoranthene	12.58	202	477981	15.82	ng	92
77) Pyrene	12.80	202	451725	18.21	ng	98
80) Benzo(a)anthracene	13.99	228	220700	10.98	ng	# 92
82) Chrysene	13.99	228	220700	11.03	ng	97
85) Indeno(1,2,3-cd)pyrene	16.81	276	150572	9.10	ng	# 100
87) Benzo(b)fluoranthene	15.02	252	481363	21.71	ng	# 96
88) Benzo(k)fluoranthene	15.02	252	481363	26.09	ng	99
89) Benzo(a)pyrene	15.36	252	188966	10.14	ng	98
90) Dibenzo(a,h)anthracene	16.82	278	39770	2.51	ng	95
91) Benzo(g,h,i)perylene	17.22	276	132424	8.27	ng	98

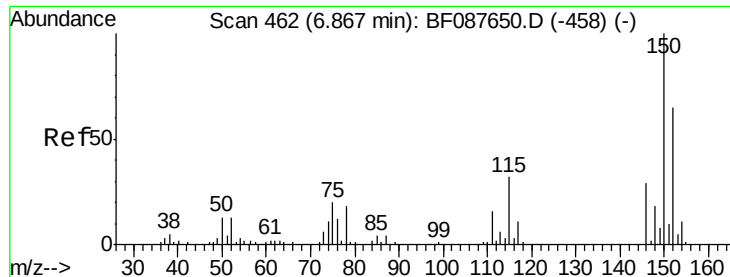
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.02 min

Lab File: BF087747.D

Acq: 6 Jun 2016 12:44

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)

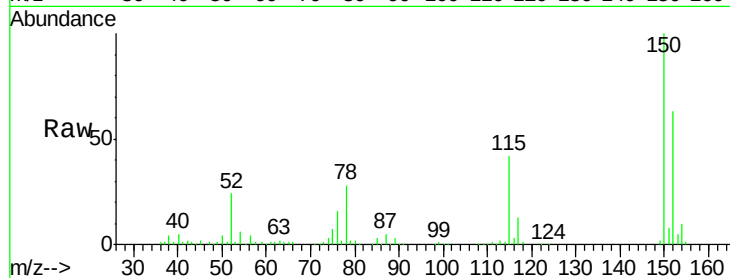
Tgt Ion:152 Resp: 162255

Ion Ratio Lower Upper

152 100

150 158.2 123.8 185.6

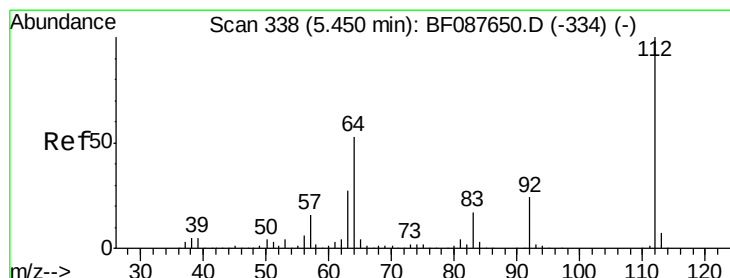
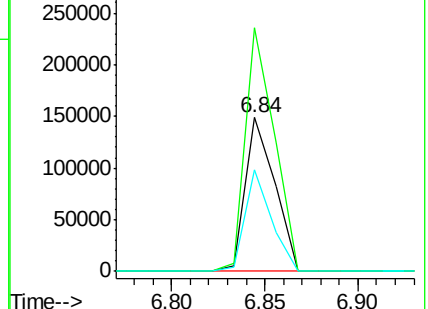
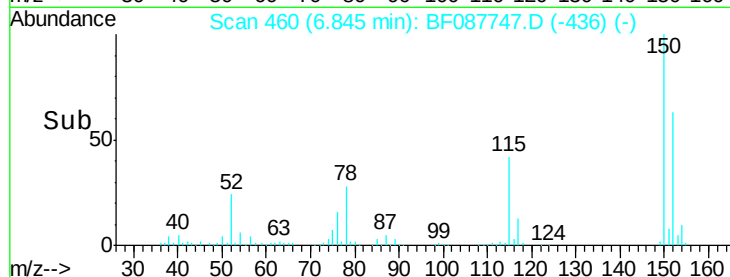
115 66.4 39.6 59.4#



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: 45.91 ng

RT: 5.44 min Scan# 337

Delta R.T. -0.01 min

Lab File: BF087747.D

Acq: 6 Jun 2016 12:44

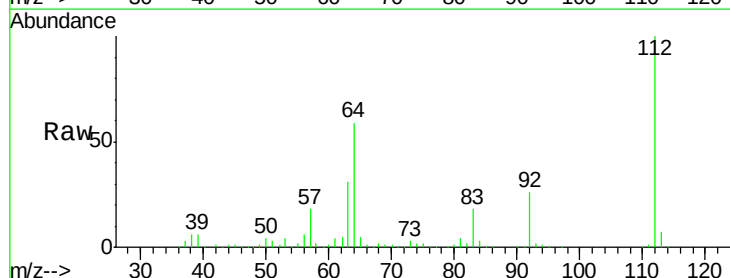
Tgt Ion:112 Resp: 460876

Ion Ratio Lower Upper

112 100

64 59.2 42.2 63.2

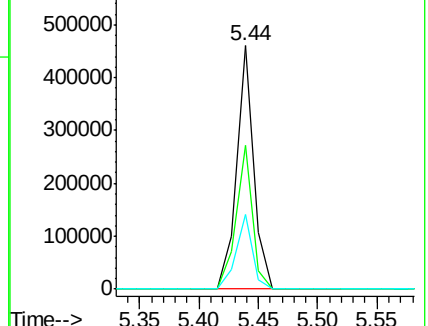
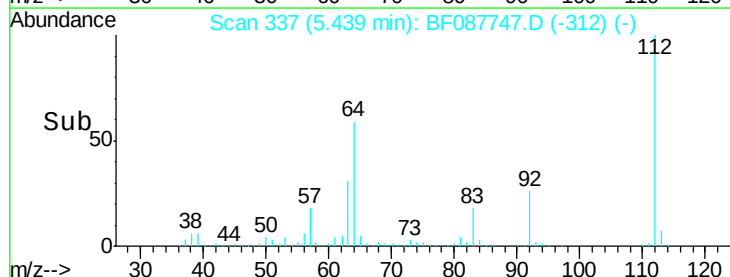
63 30.6 21.8 32.8

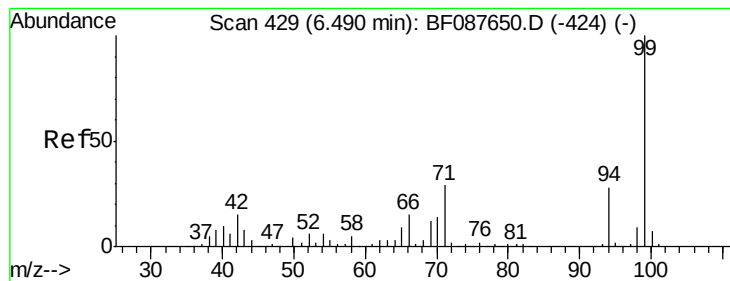


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 57.92 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.01 min

Lab File: BF087747.D

Acq: 6 Jun 2016 12:44

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)

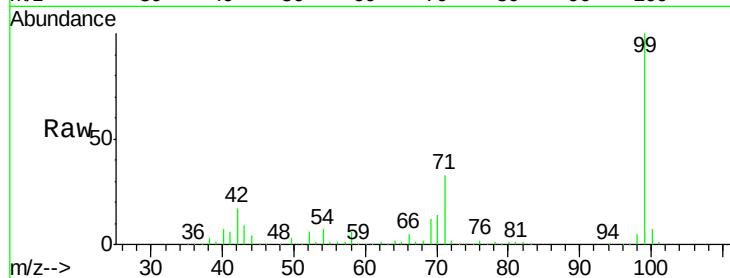
Tgt Ion: 99 Resp: 729219

Ion Ratio Lower Upper

99 100

42 16.9 12.2 18.2

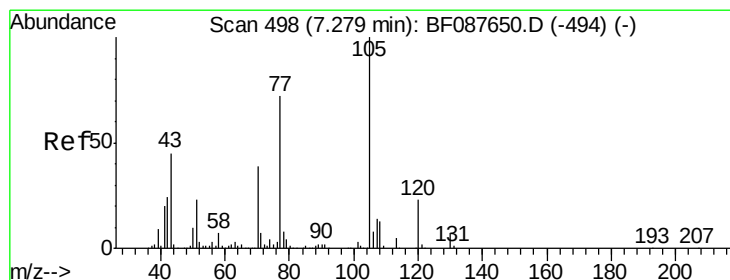
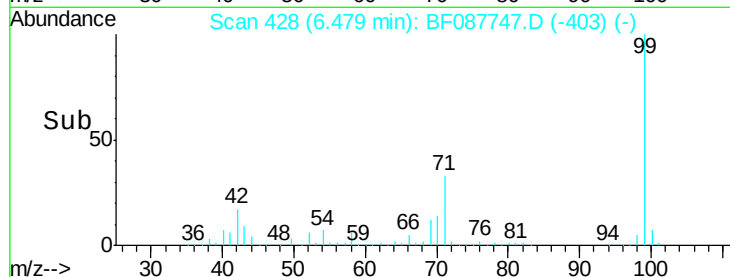
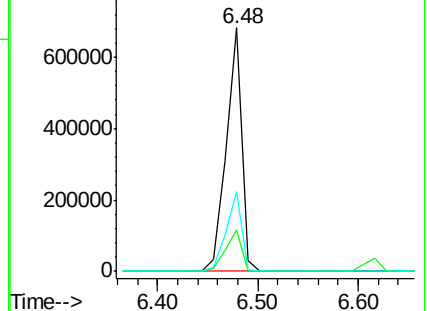
71 32.9 23.4 35.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 8.00 ng

RT: 7.42 min Scan# 510

Delta R.T. 0.14 min

Lab File: BF087747.D

Acq: 6 Jun 2016 12:44

Tgt Ion: 70 Resp: 62868

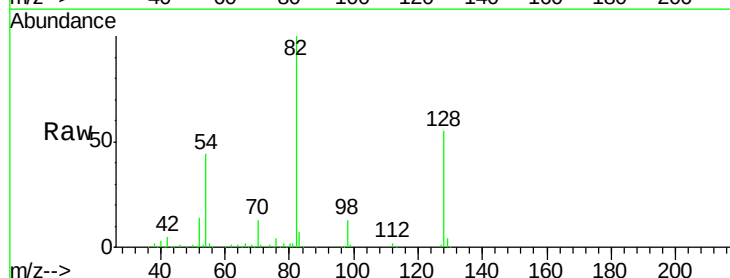
Ion Ratio Lower Upper

70 100

42 39.3 49.6 74.4#

101 0.0 7.1 10.7#

130 2.9 15.4 23.2#

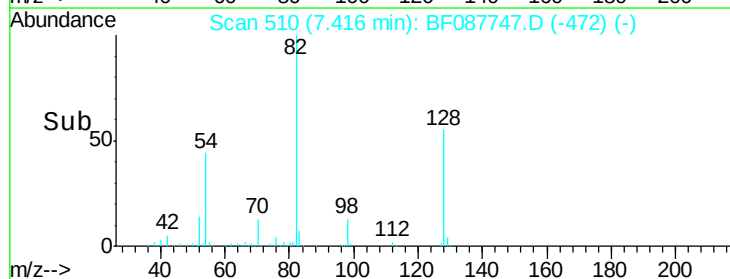
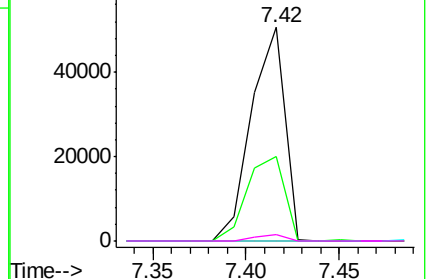


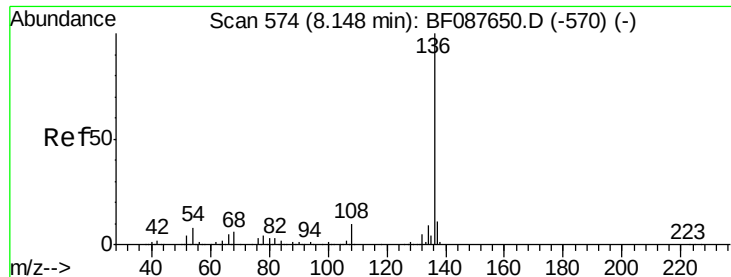
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

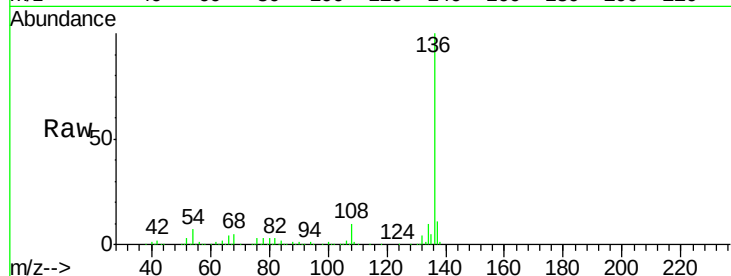




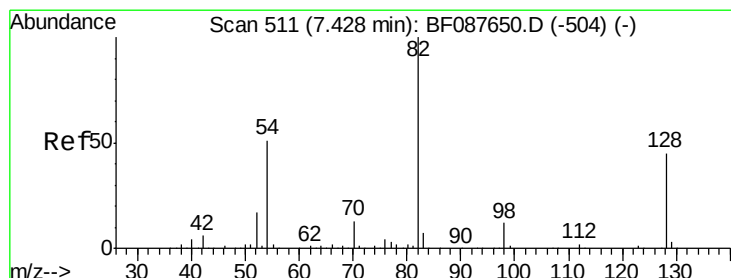
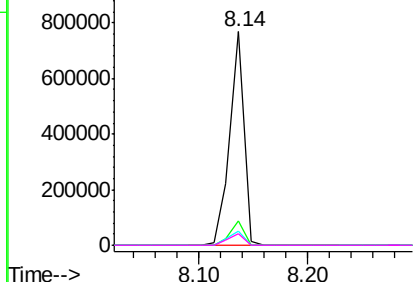
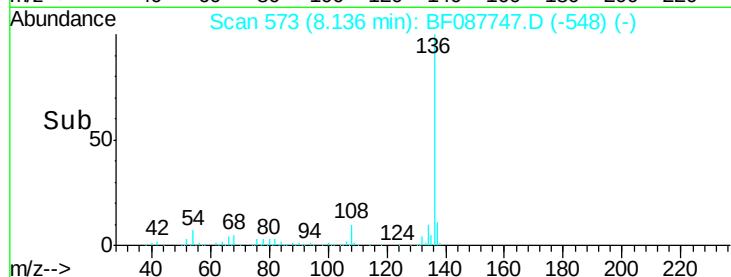
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF087747.D
Acq: 6 Jun 2016 12:44

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)

Tgt Ion:	136	Resp:	698204
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	6.6	6.6	10.0#
68	5.3	5.1	7.7

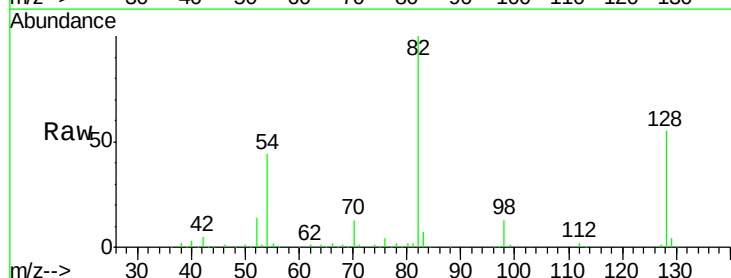


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

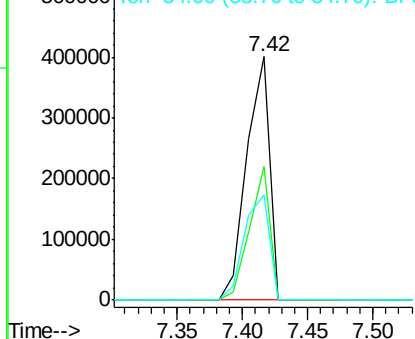
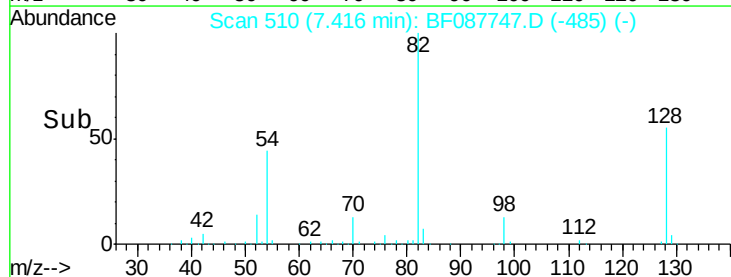


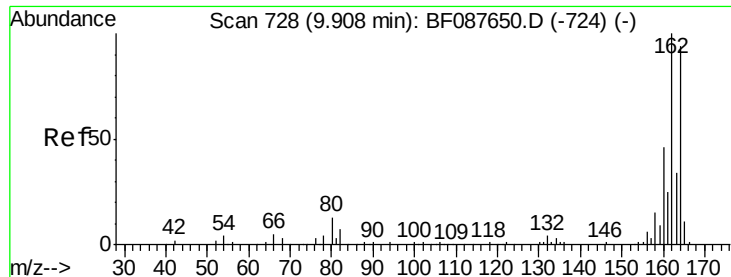
#23
Nitrobenzene-d5
Concen: 40.42 ng
RT: 7.42 min Scan# 510
Delta R.T. -0.01 min
Lab File: BF087747.D
Acq: 6 Jun 2016 12:44

Tgt Ion:	82	Resp:	487725
Ion	Ratio	Lower	Upper
82	100		
128	54.7	35.9	53.9#
54	43.5	40.9	61.3



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF087747.D

Acq: 6 Jun 2016 12:44

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)

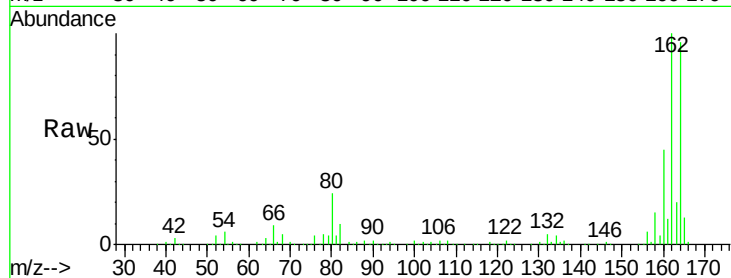
Tgt Ion:164 Resp: 297159

Ion Ratio Lower Upper

164 100

162 103.9 85.4 128.2

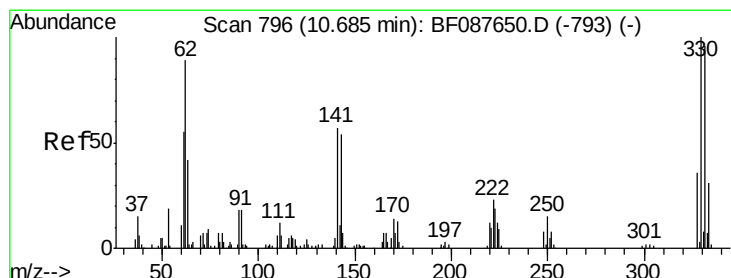
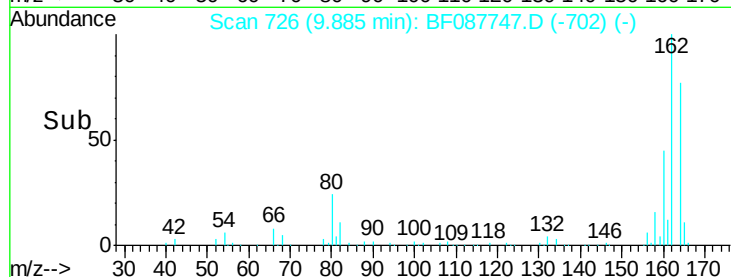
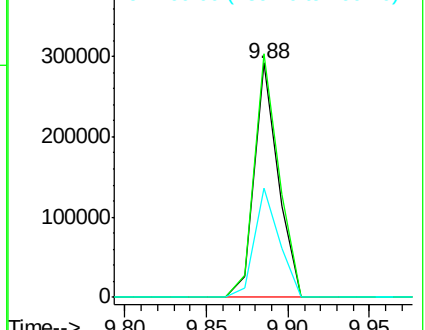
160 46.6 39.5 59.3



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: 111.52 ng

RT: 10.67 min Scan# 795

Delta R.T. -0.01 min

Lab File: BF087747.D

Acq: 6 Jun 2016 12:44

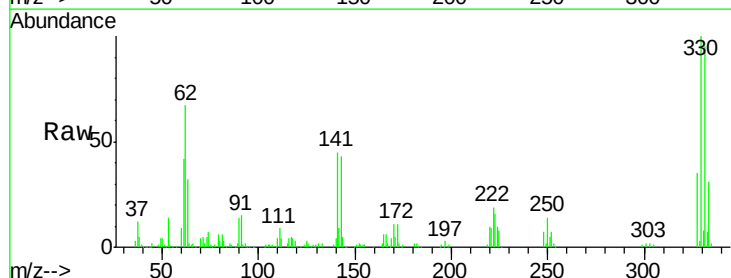
Tgt Ion:330 Resp: 332656

Ion Ratio Lower Upper

330 100

332 96.2 0.0 0.0#

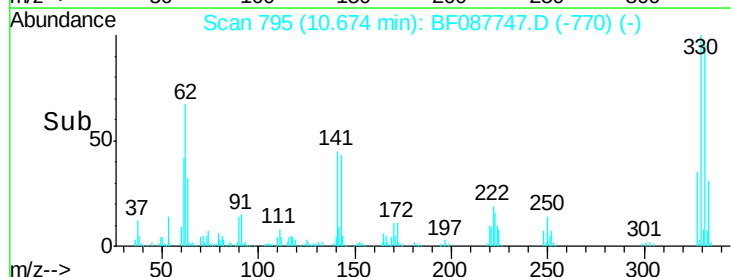
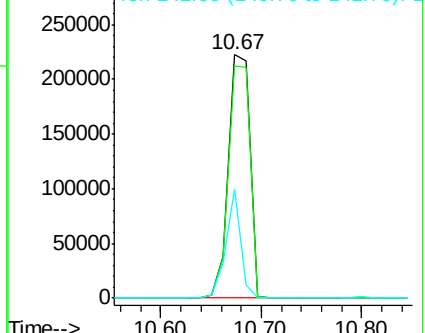
141 31.0 0.0 0.0#

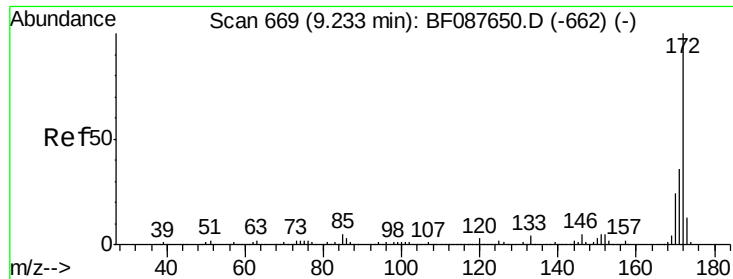


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

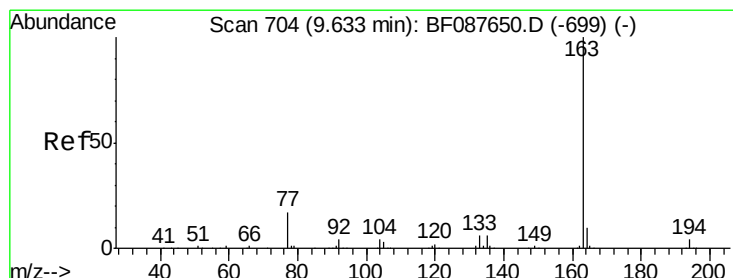
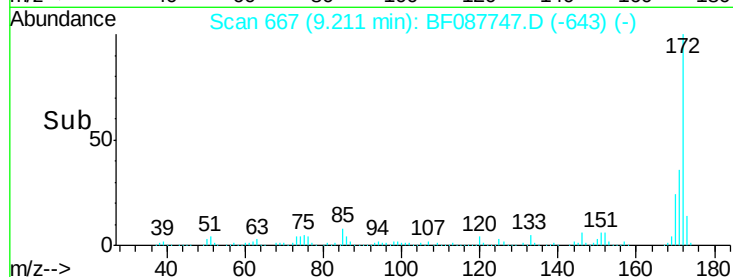
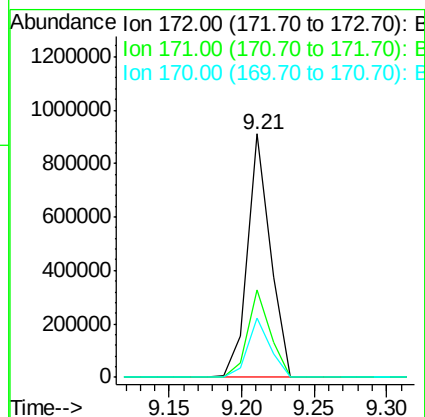
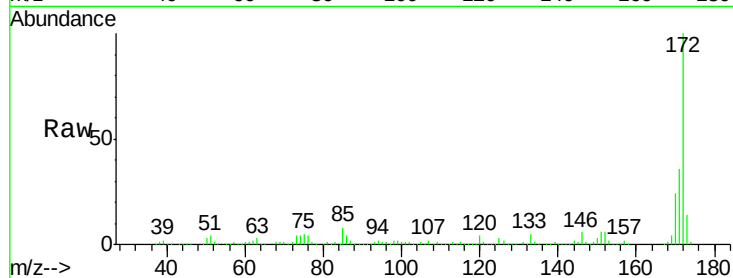




#44
 2-Fluorobiphenyl
 Concen: 44.75 ng
 RT: 9.21 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: BF087747.D
 Acq: 6 Jun 2016 12:44

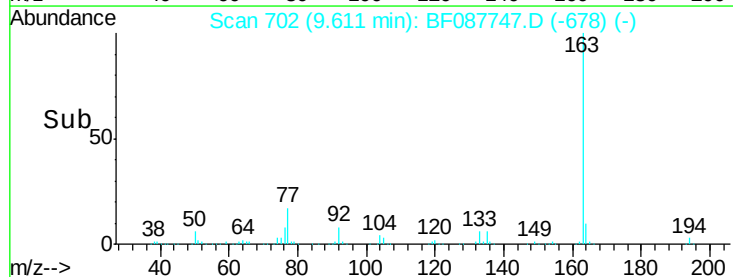
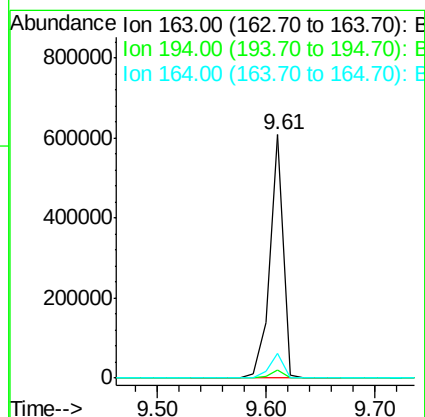
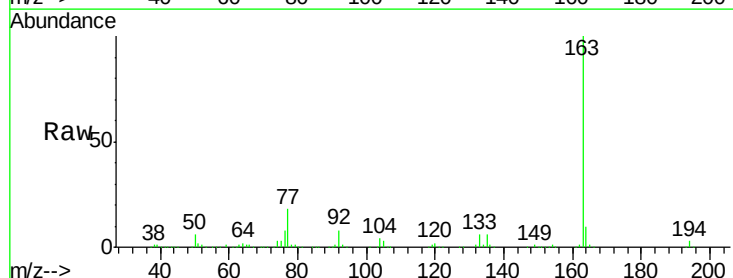
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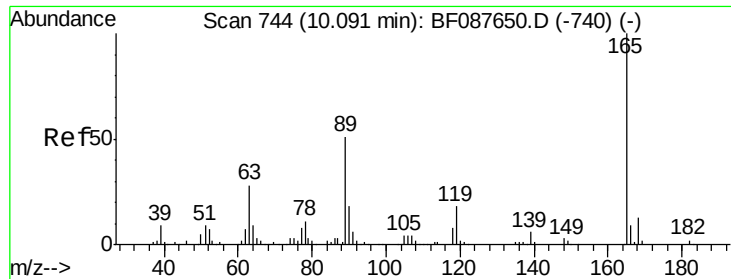
Tgt Ion:172 Resp: 998081
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 24.4 19.2 28.8



#49
 Dimethylphthalate
 Concen: 24.35 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: BF087747.D
 Acq: 6 Jun 2016 12:44

Tgt Ion:163 Resp: 525972
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.8 4.2
 164 10.3 8.3 12.5

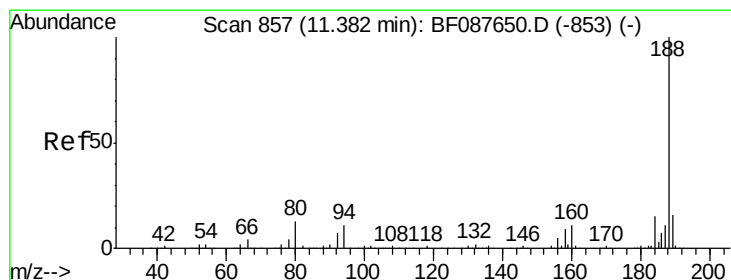
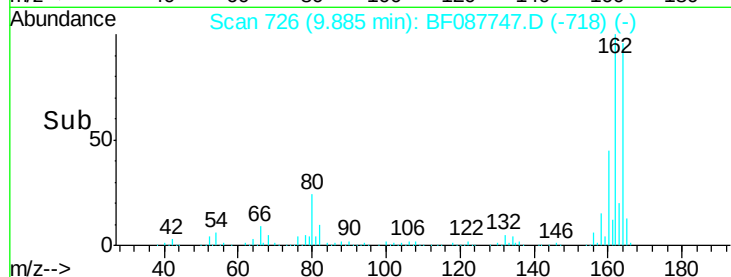
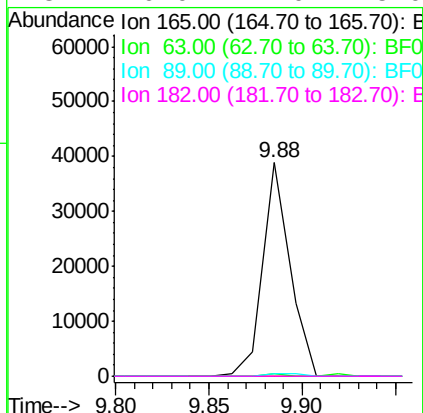
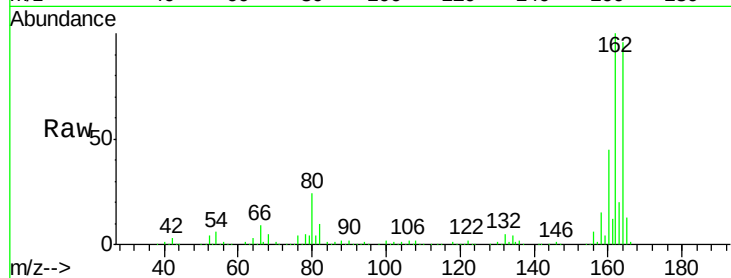




#56
 2,4-Dinitrotoluene
 Concen: 6.24 ng
 RT: 9.88 min Scan# 726
 Delta R.T. -0.21 min
 Lab File: BF087747.D
 Acq: 6 Jun 2016 12:44

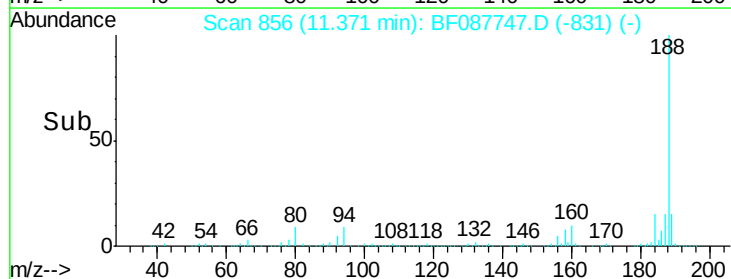
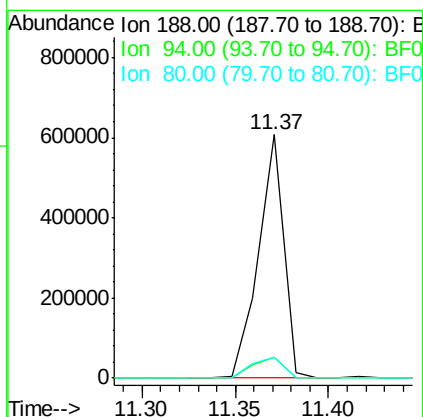
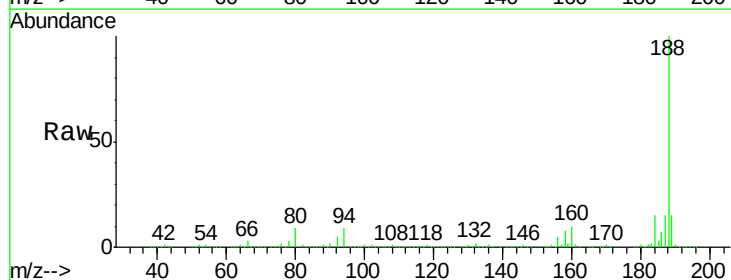
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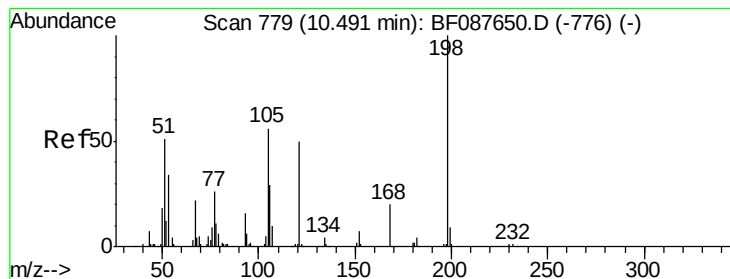
Tgt Ion:165 Resp: 39047
 Ion Ratio Lower Upper
 165 100
 63 1.3 22.0 33.0#
 89 1.3 41.1 61.7#
 182 0.0 2.0 3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BF087747.D
 Acq: 6 Jun 2016 12:44

Tgt Ion:188 Resp: 566115
 Ion Ratio Lower Upper
 188 100
 94 8.5 9.0 13.6#
 80 8.8 10.0 15.0#





#64

4,6-Dinitro-2-methylphenol

Concen: 2.12 ng

RT: 10.67 min Scan# 795

Delta R.T. 0.18 min

Lab File: BF087747.D

Acq: 6 Jun 2016 12:44

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)

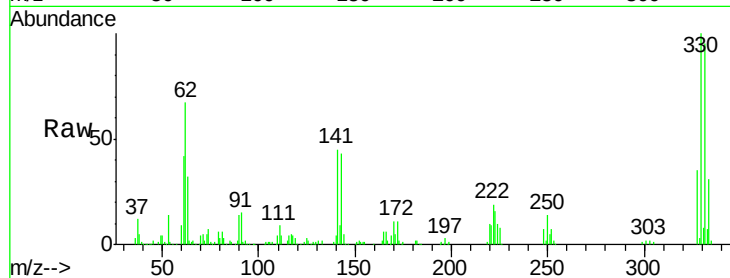
Tgt Ion:198 Resp: 331

Ion Ratio Lower Upper

198 100

51 326.7 39.6 79.6#

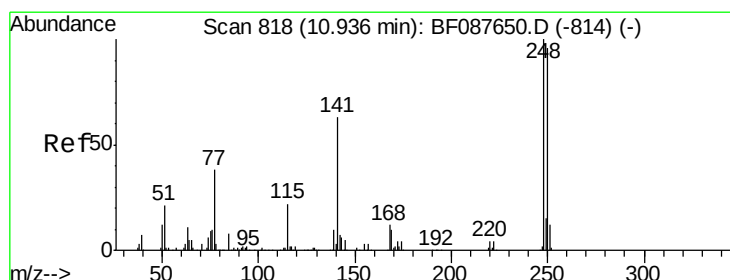
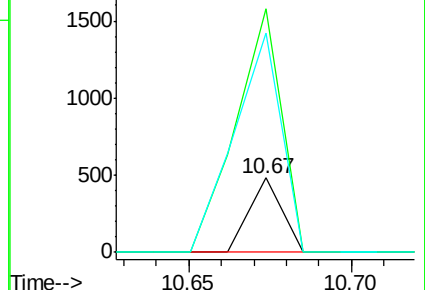
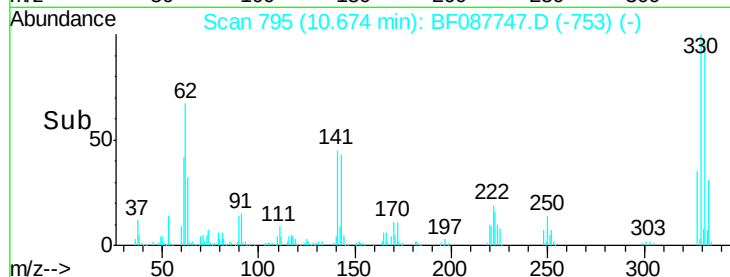
105 294.0 36.6 76.6#



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: 3.28 ng

RT: 10.67 min Scan# 795

Delta R.T. -0.26 min

Lab File: BF087747.D

Acq: 6 Jun 2016 12:44

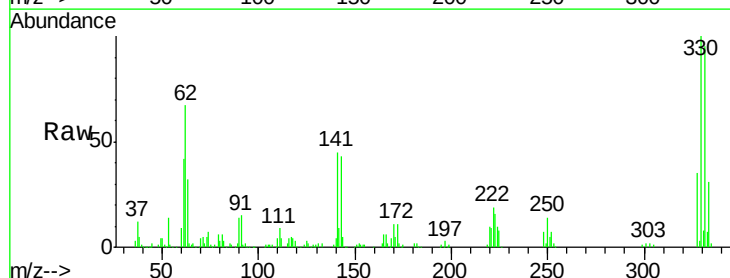
Tgt Ion:248 Resp: 18421

Ion Ratio Lower Upper

248 100

250 200.1 77.1 115.7#

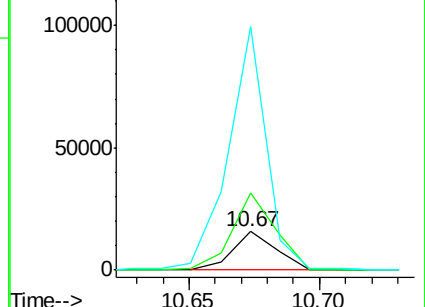
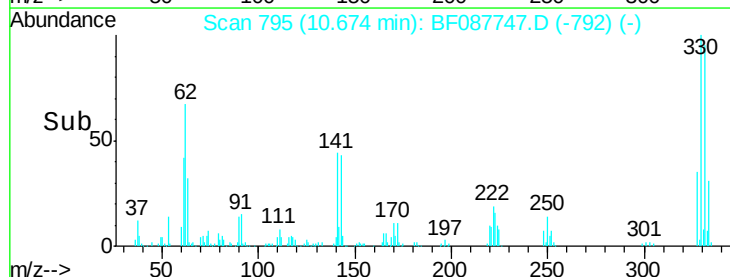
141 631.0 50.6 76.0#

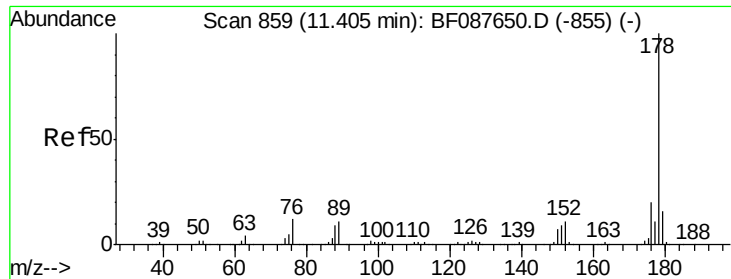


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

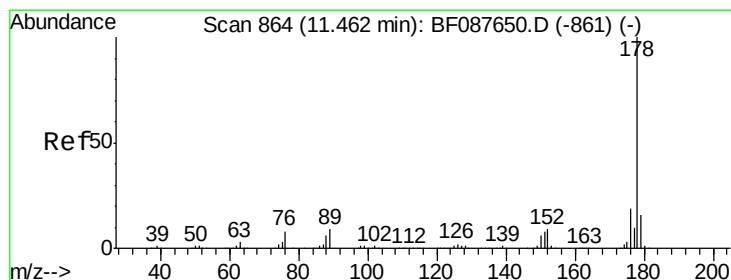
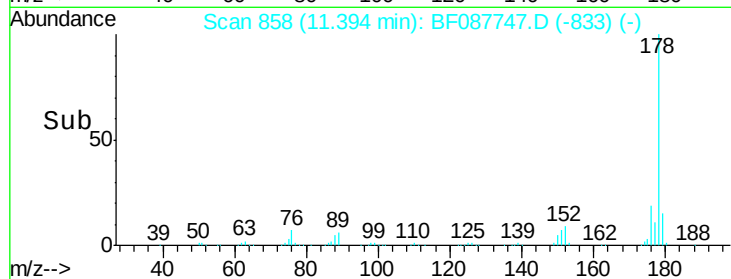
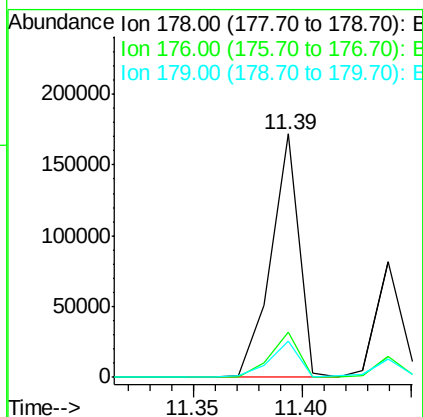
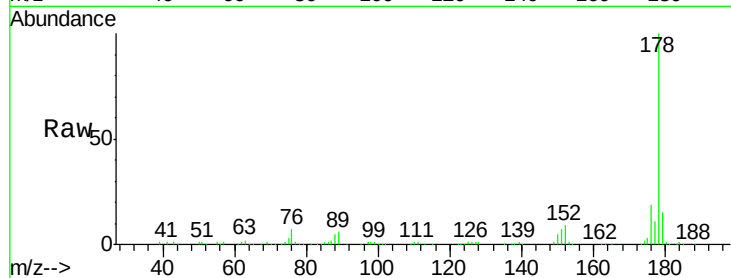




#70
Phenanthrene
Concen: 5.10 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF087747.D
Acq: 6 Jun 2016 12:44

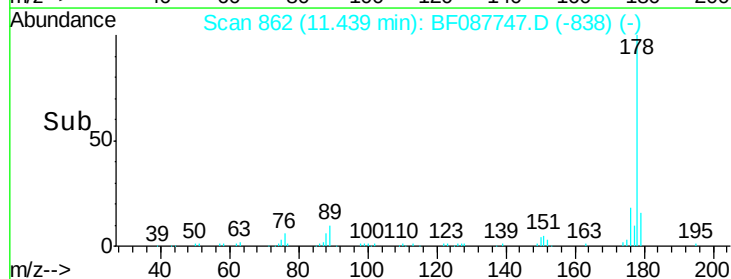
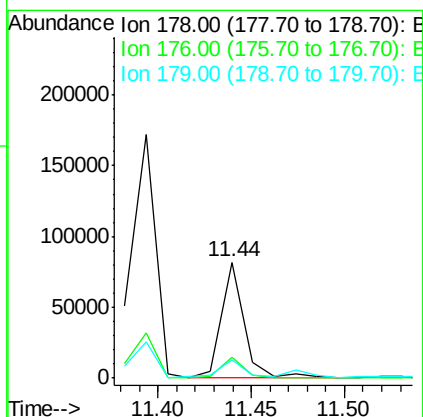
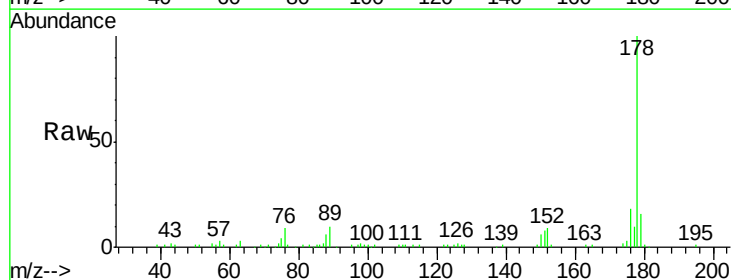
Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)

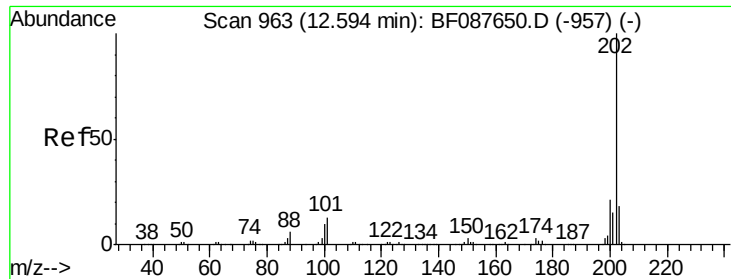
Tgt Ion:178 Resp: 156436
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.6
179 14.7 13.0 19.4



#71
Anthracene
Concen: 2.24 ng
RT: 11.44 min Scan# 862
Delta R.T. -0.02 min
Lab File: BF087747.D
Acq: 6 Jun 2016 12:44

Tgt Ion:178 Resp: 68745
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 15.7 12.8 19.2





#74

Fluoranthene

Concen: 15.82 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF087747.D

Acq: 6 Jun 2016 12:44

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)

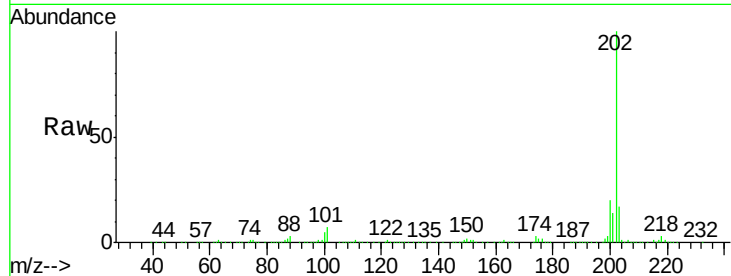
Tgt Ion:202 Resp: 477981

Ion Ratio Lower Upper

202 100

101 7.1 0.0 33.1

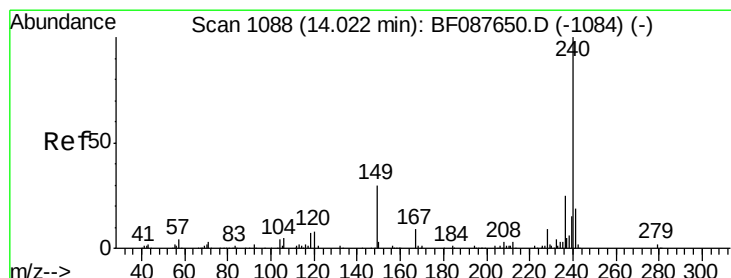
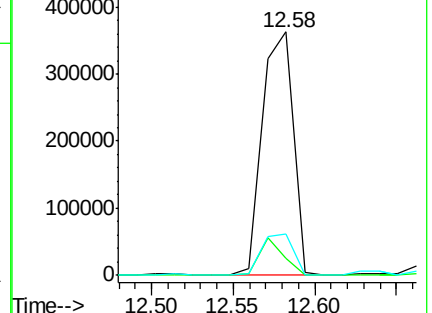
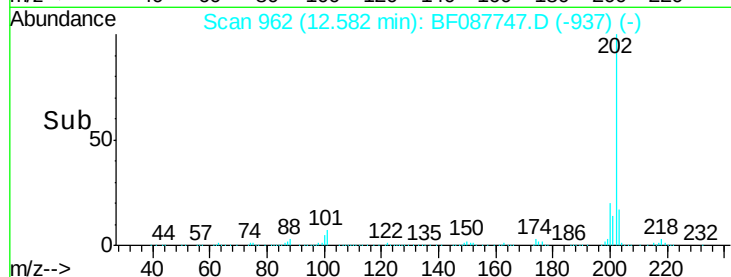
203 17.0 0.0 38.1



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: 14.00 min Scan# 1086

Delta R.T. -0.02 min

Lab File: BF087747.D

Acq: 6 Jun 2016 12:44

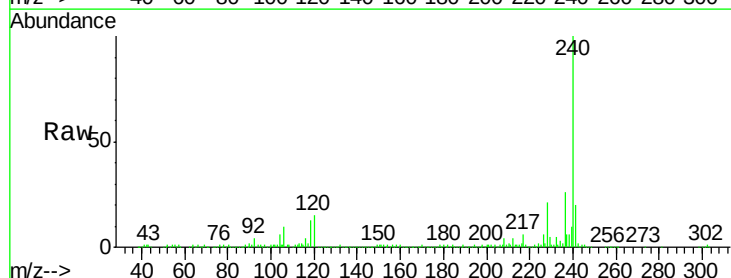
Tgt Ion:240 Resp: 348339

Ion Ratio Lower Upper

240 100

120 14.6 6.8 10.2#

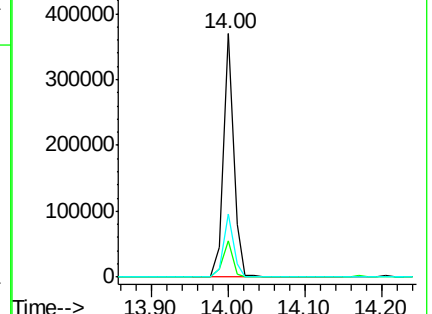
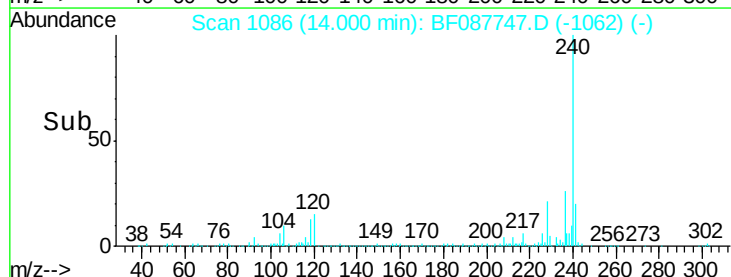
236 26.0 20.2 30.2

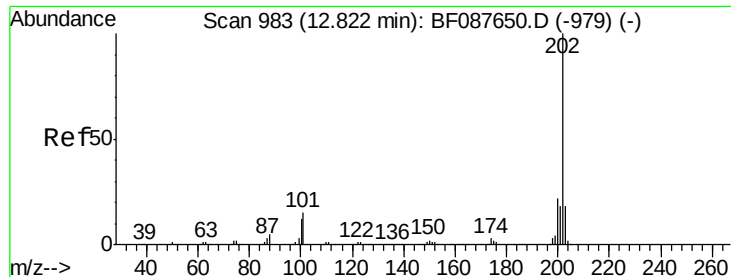


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 18.21 ng

RT: 12.80 min Scan# 981

Delta R.T. -0.02 min

Lab File: BF087747.D

Acq: 6 Jun 2016 12:44

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)

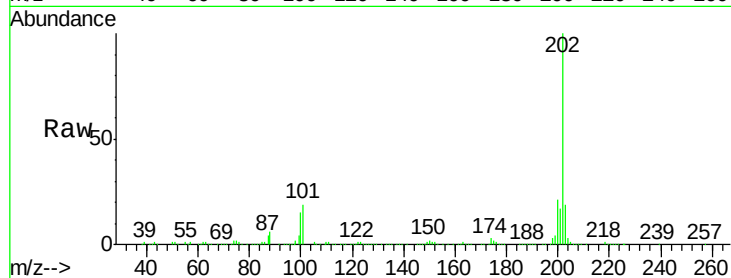
Tgt Ion: 202 Resp: 451725

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

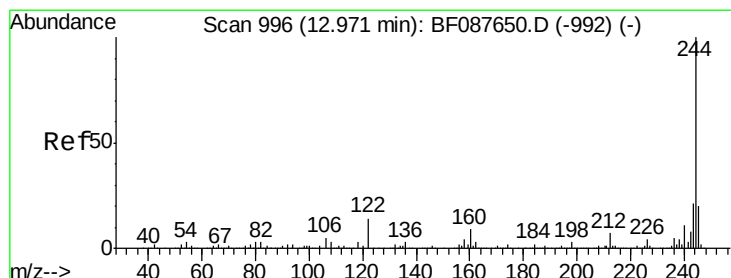
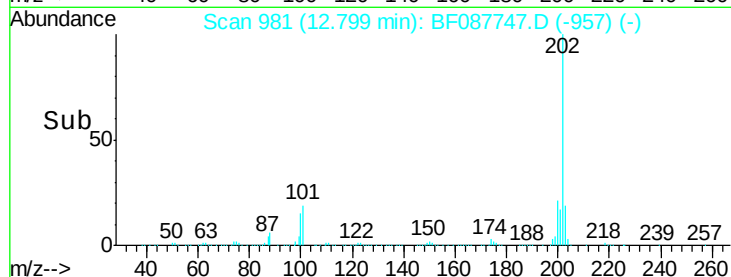
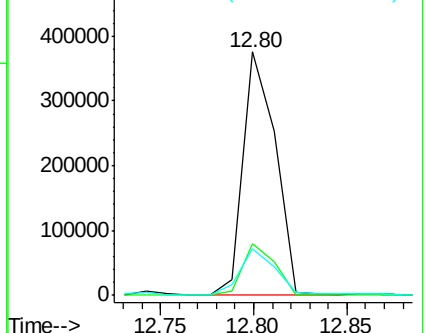
203 19.1 14.5 21.7



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: 78.29 ng

RT: 12.96 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF087747.D

Acq: 6 Jun 2016 12:44

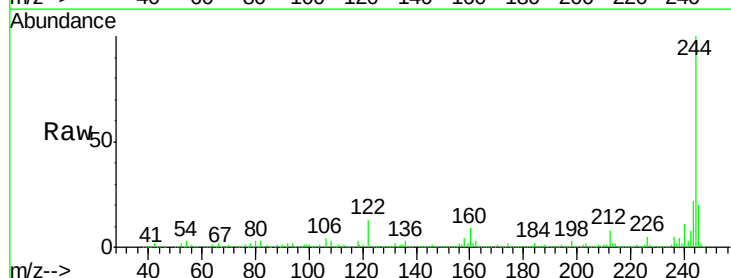
Tgt Ion: 244 Resp: 1117560

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

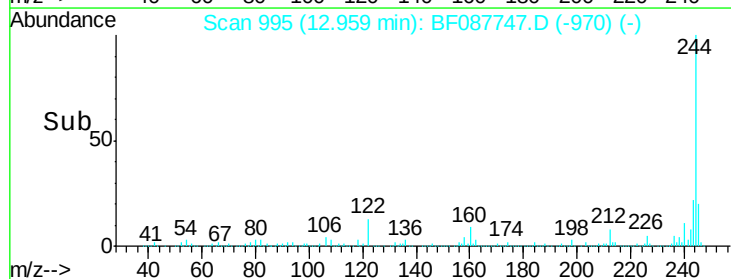
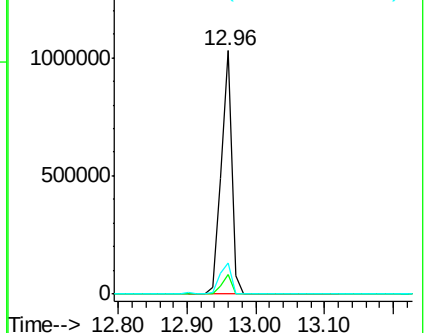
122 12.9 11.2 16.8

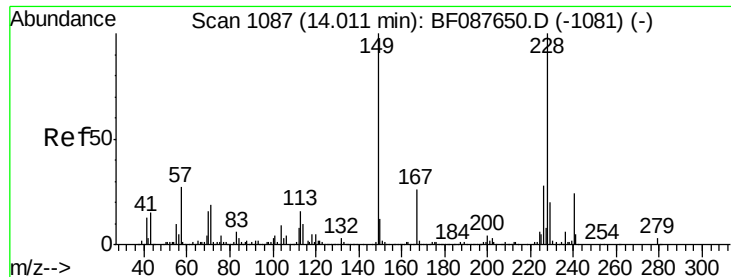


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.98 ng

RT: 13.99 min Scan# 1085

Delta R.T. -0.02 min

Lab File: BF087747.D

Acq: 6 Jun 2016 12:44

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)

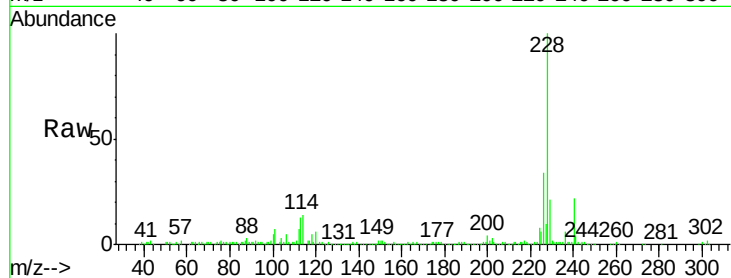
Tgt Ion:228 Resp: 220700

Ion Ratio Lower Upper

228 100

226 34.2 22.3 33.5#

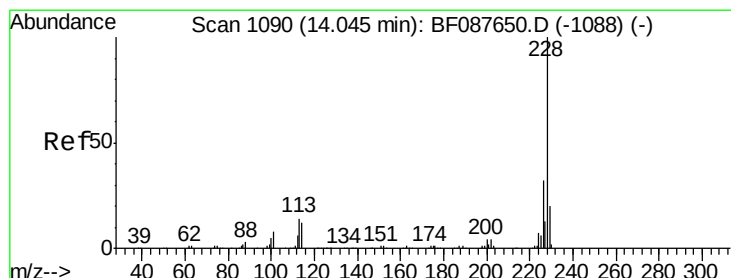
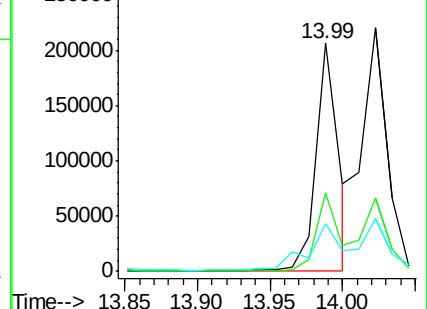
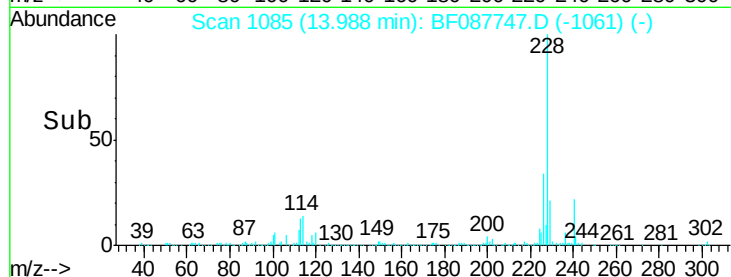
229 20.9 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 11.03 ng

RT: 13.99 min Scan# 1085

Delta R.T. -0.06 min

Lab File: BF087747.D

Acq: 6 Jun 2016 12:44

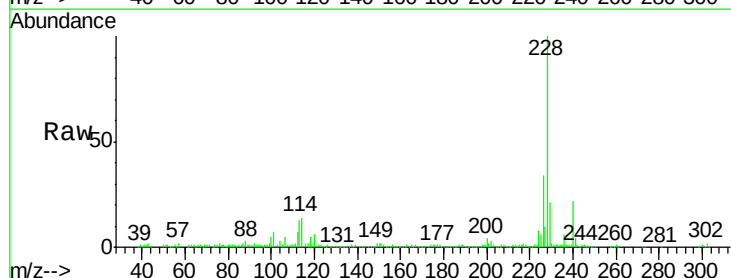
Tgt Ion:228 Resp: 220700

Ion Ratio Lower Upper

228 100

226 34.2 25.4 38.2

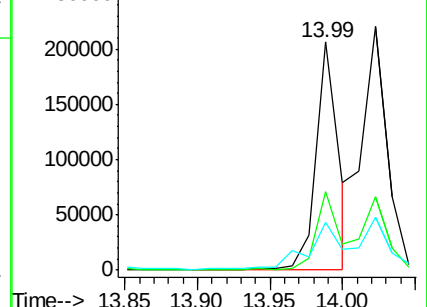
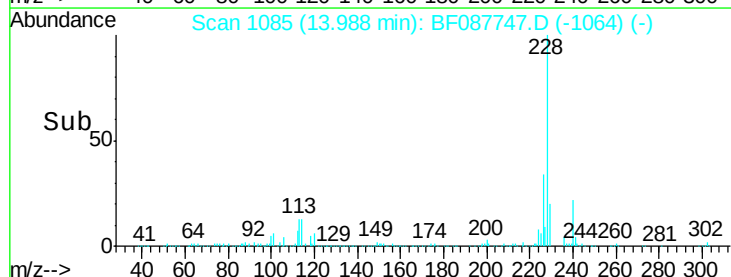
229 20.9 16.3 24.5

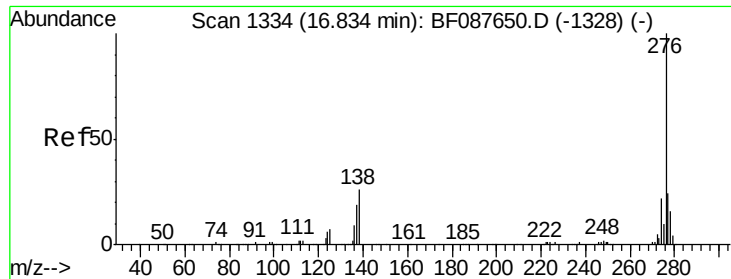


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

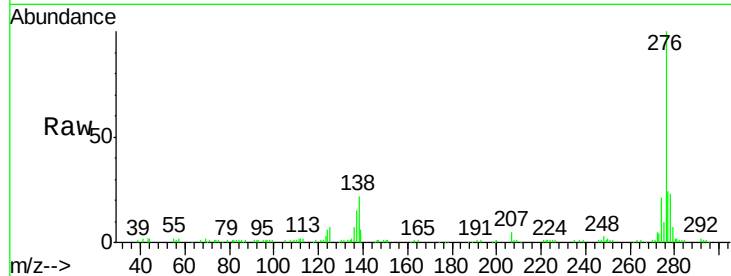




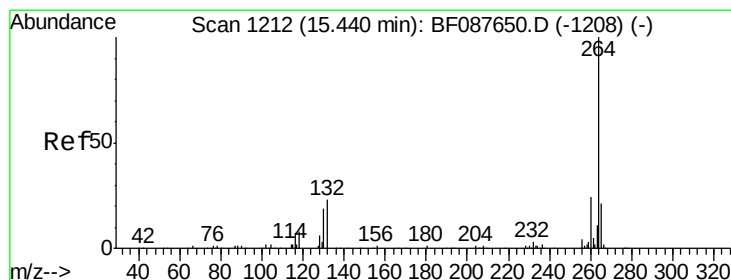
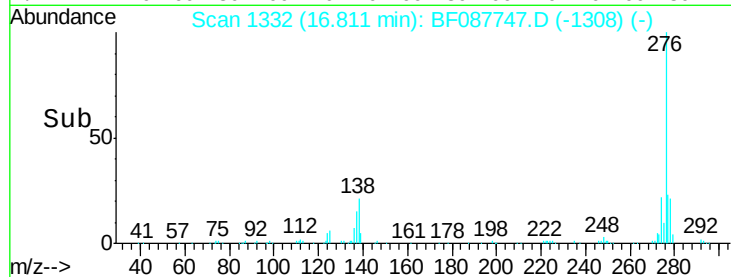
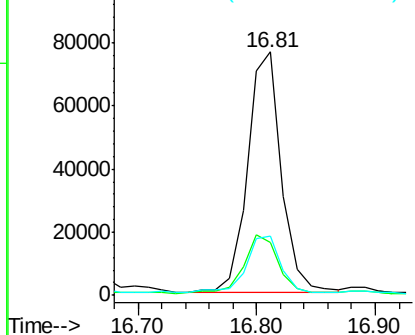
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.10 ng
 RT: 16.81 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: BF087747.D
 Acq: 6 Jun 2016 12:44

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1672(0-4)

Tgt Ion: 276 Resp: 150572
 Ion Ratio Lower Upper
 276 100
 138 25.0 0.0 0.0#
 277 24.9 0.0 0.0#

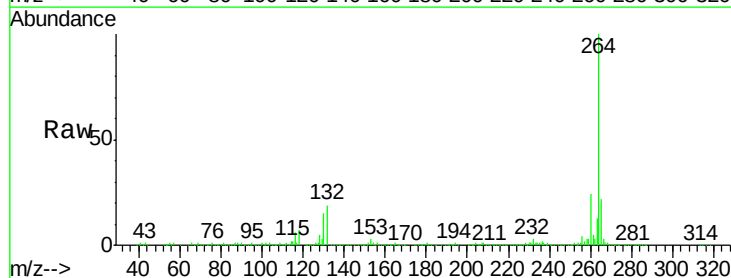


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

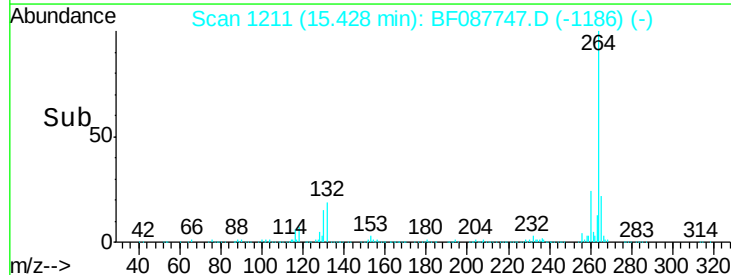
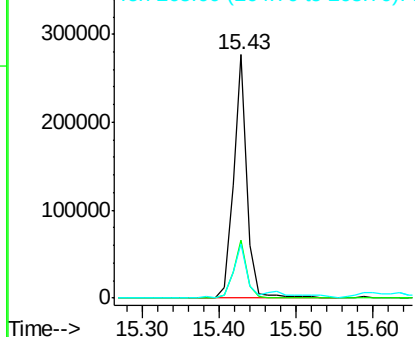


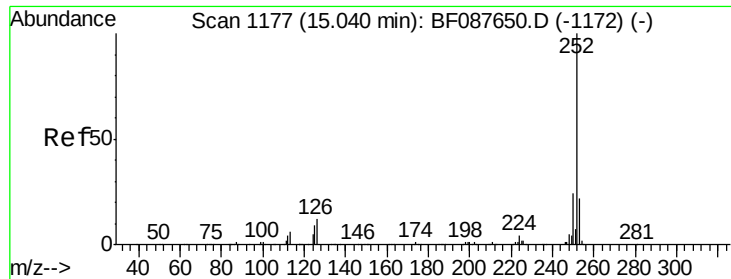
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.43 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF087747.D
 Acq: 6 Jun 2016 12:44

Tgt Ion: 264 Resp: 340869
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 22.4 16.9 25.3



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

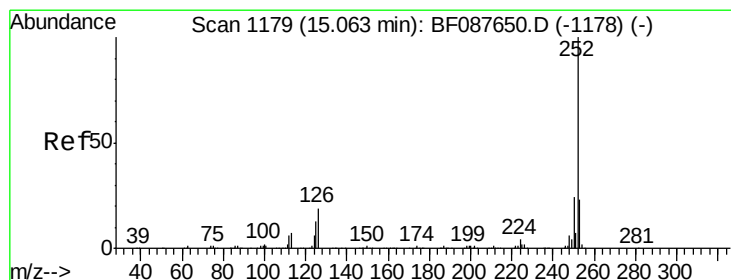
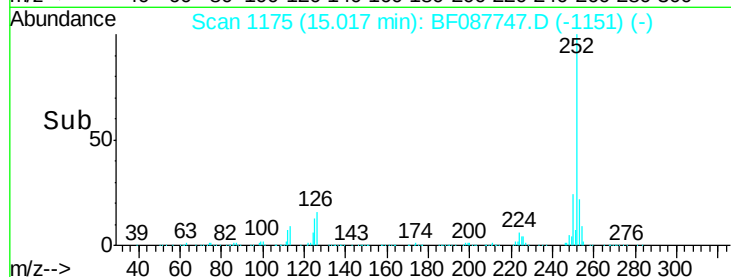
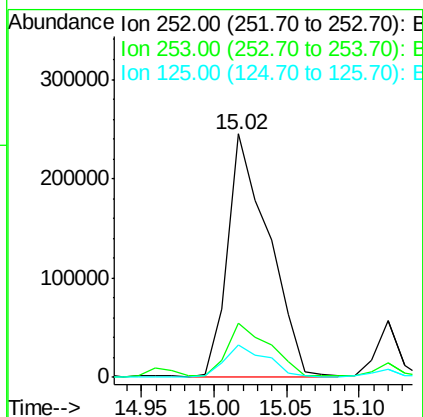
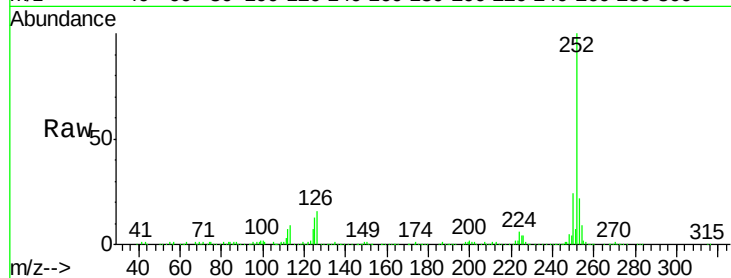




#87
Benzo(b)fluoranthene
Concen: 21.71 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.02 min
Lab File: BF087747.D
Acq: 6 Jun 2016 12:44

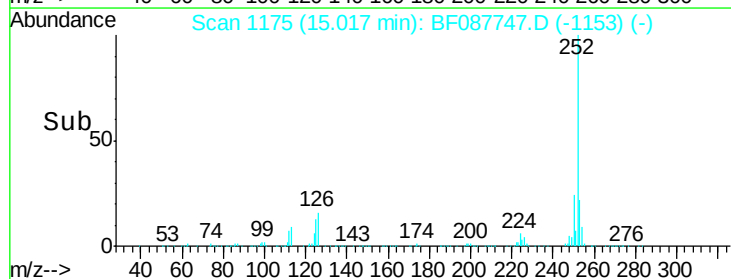
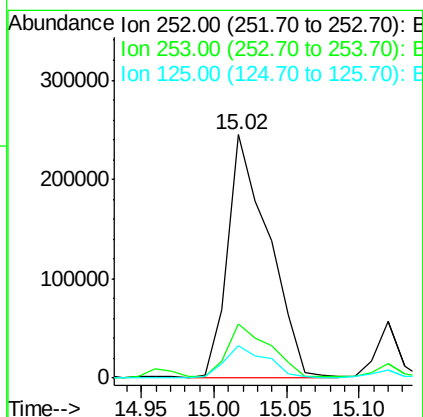
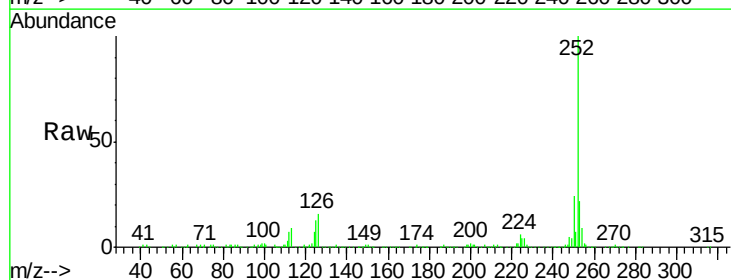
Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)

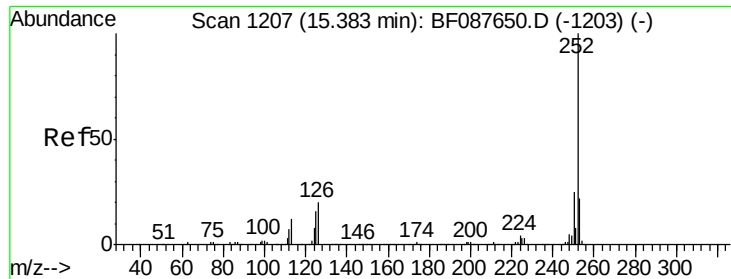
Tgt Ion:252 Resp: 481363
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 13.4 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 26.09 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.05 min
Lab File: BF087747.D
Acq: 6 Jun 2016 12:44

Tgt Ion:252 Resp: 481363
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 13.4 11.2 16.8





#89

Benzo(a)pyrene

Concen: 10.14 ng

RT: 15.36 min Scan# 1205

Delta R.T. -0.02 min

Lab File: BF087747.D

Acq: 6 Jun 2016 12:44

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)

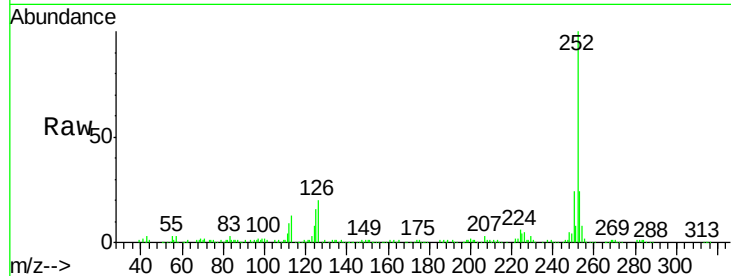
Tgt Ion:252 Resp: 188966

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

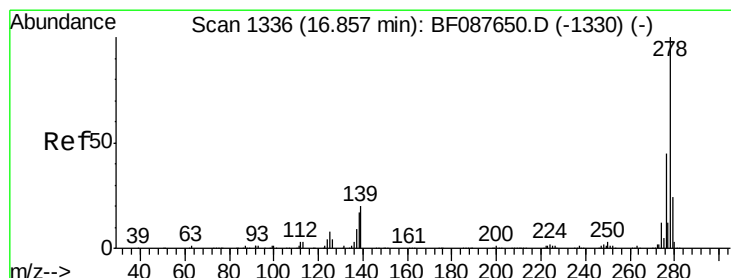
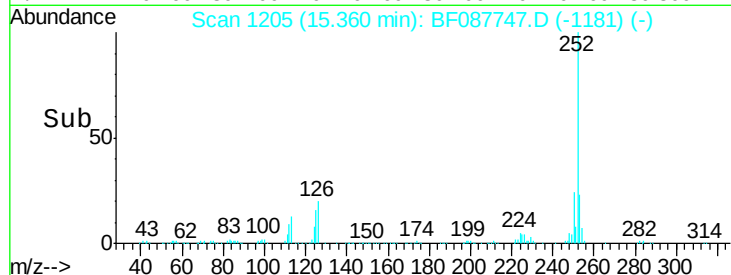
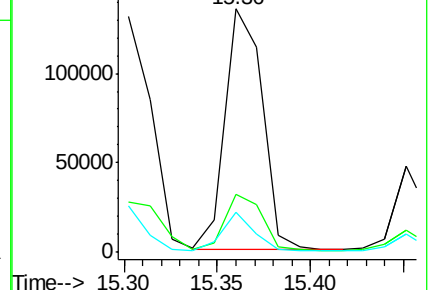
125 16.2 12.5 18.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 2.51 ng

RT: 16.82 min Scan# 1333

Delta R.T. -0.03 min

Lab File: BF087747.D

Acq: 6 Jun 2016 12:44

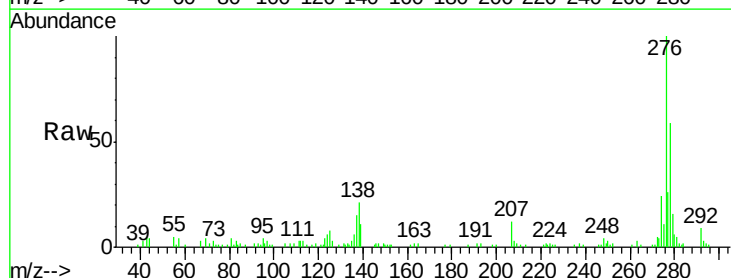
Tgt Ion:278 Resp: 39770

Ion Ratio Lower Upper

278 100

139 18.4 15.7 23.5

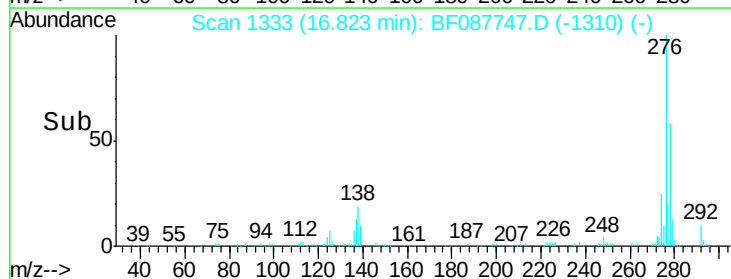
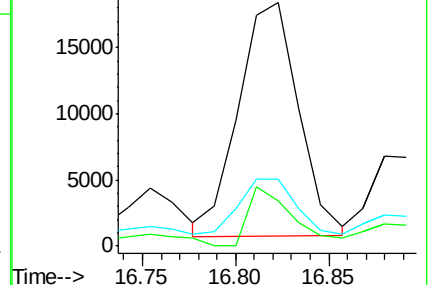
279 27.6 19.4 29.2

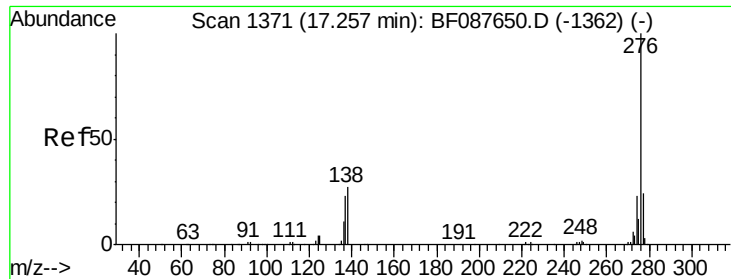


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 8.27 ng

RT: 17.22 min Scan# 1368

Delta R.T. -0.03 min

Lab File: BF087747.D

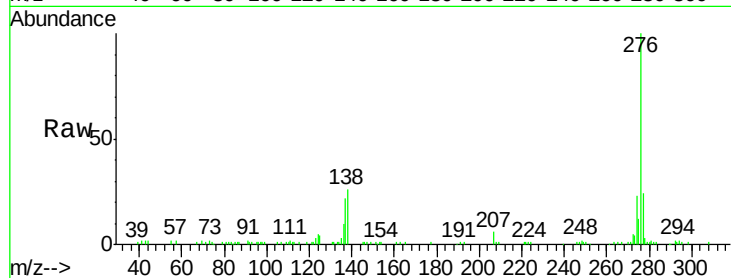
Acq: 6 Jun 2016 12:44

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)



Tgt Ion:	276	Resp:	132424
Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	25.8	21.4	32.2

