

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
 Data File : BF087466.D
 Acq On : 28 May 2016 4:21
 Operator : UM/SJ
 Sample : H3190-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1711(0-4)

Quant Time: May 28 05:17:47 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	110807	20.00	ng	-0.03
21) Naphthalene-d8	9.52	136	446628	20.00	ng	-0.03
38) Acenaphthene-d10	12.34	164	193865	20.00	ng	-0.05
63) Phenanthrene-d10	14.74	188	312218	20.00	ng	-0.03
75) Chrysene-d12	18.46	240	227782	20.00	ng	-0.02
86) Perylene-d12	20.13	264	196935	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1024069	162.39	ng	-0.02
7) Phenol-d6	7.05	99	1424405	167.17	ng	-0.02
23) Nitrobenzene-d5	8.40	82	934727	105.48	ng	-0.05
41) 2,4,6-Tribromophenol	13.65	330	247215	132.70	ng	-0.03
44) 2-Fluorobiphenyl	11.30	172	1449801	105.43	ng	-0.03
78) Terphenyl-d14	17.11	244	966048	90.17	ng	-0.02

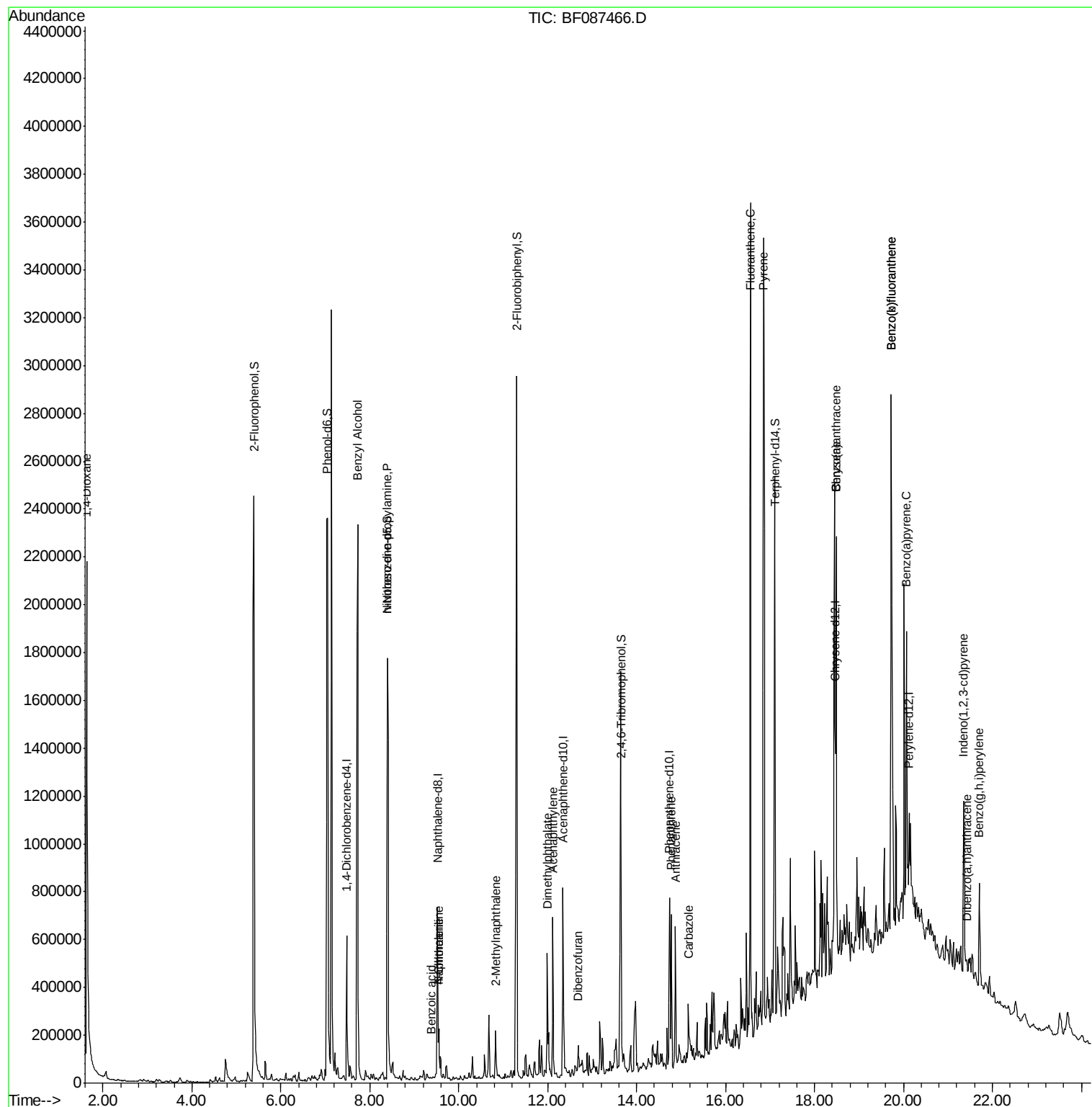
Target Compounds						Qvalue
2) 1,4-Dioxane	1.63	88	74568	22.41	ng	# 22
15) Benzyl Alcohol	7.72	79	19387	3.12	ng	# 38
19) n-Nitroso-di-n-propylamine	8.40	70	127638	20.09	ng	# 72
31) Naphthalene	9.55	128	139393	6.23	ng	99
32) Benzoic acid	9.39	122	2457	6.46	ng	# 52
33) 4-Chloroaniline	9.55	127	18611	2.26	ng	# 39
37) 2-Methylnaphthalene	10.83	142	76762	5.49	ng	94
48) Acenaphthylene	12.11	152	355011	17.96	ng	99
49) Dimethylphthalate	11.99	163	225296	14.51	ng	99
54) Dibenzofuran	12.68	168	49934	3.04	ng	92
70) Phenanthrene	14.78	178	335255	19.39	ng	99
71) Anthracene	14.87	178	332500	19.03	ng	99
72) Carbazole	15.17	167	134934	9.06	ng	98
74) Fluoranthene	16.56	202	1831872	105.63	ng	95
77) Pyrene	16.86	202	1854019	113.08	ng	97
80) Benzo(a)anthracene	18.49	228	755134	58.28	ng	94
82) Chrysene	18.49	228	757662	58.92	ng	96
85) Indeno(1,2,3-cd)pyrene	21.35	276	414252	40.19	ng	# 87
87) Benzo(b)fluoranthene	19.73	252	1777728	141.71	ng	97
88) Benzo(k)fluoranthene	19.73	252	1777728	164.64	ng	98
89) Benzo(a)pyrene	20.07	252	648830	59.80	ng	# 94
90) Dibenz(a,h)anthracene	21.43	278	37864	4.09	ng	94
91) Benzo(g,h,i)perylene	21.70	276	339839	37.22	ng	# 93

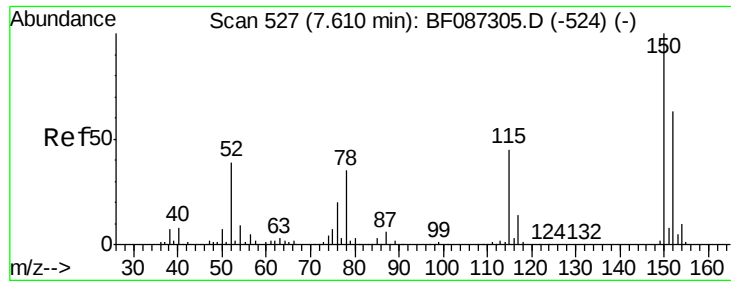
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.48 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1711(0-4)

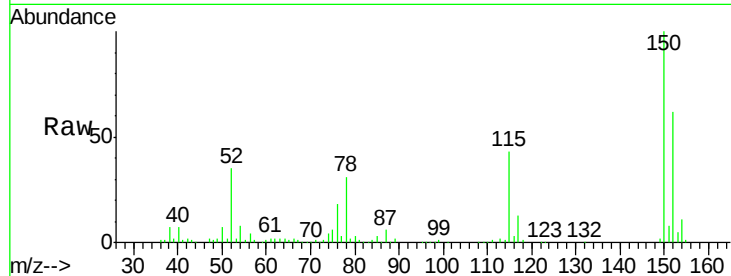
Tgt Ion: 152 Resp: 110807

Ion Ratio Lower Upper

152 100

150 160.3 125.8 188.6

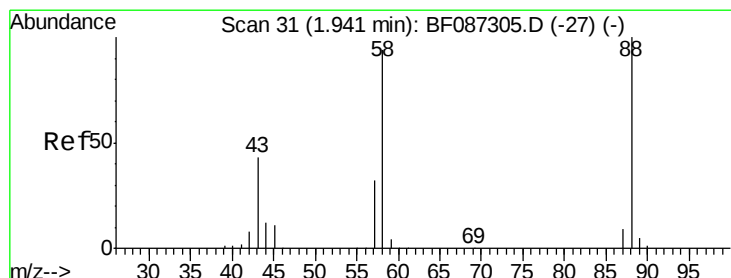
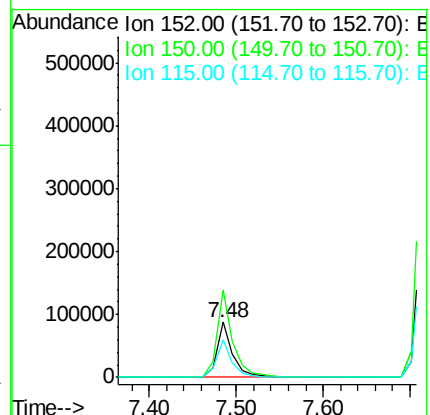
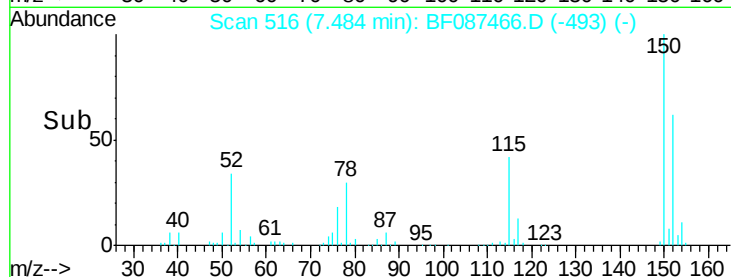
115 68.9 51.5 77.3



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



#2

1,4-Dioxane

Concen: 22.41 ng

RT: 1.63 min Scan# 4

Delta R.T. -0.18 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

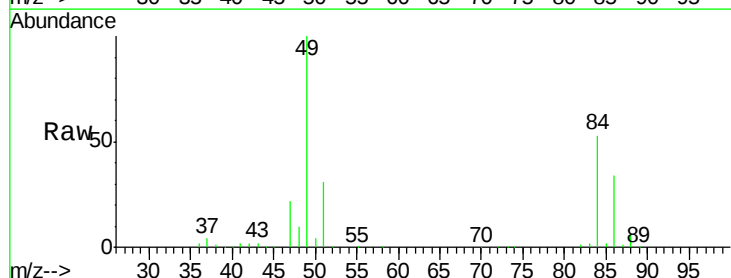
Tgt Ion: 88 Resp: 74568

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

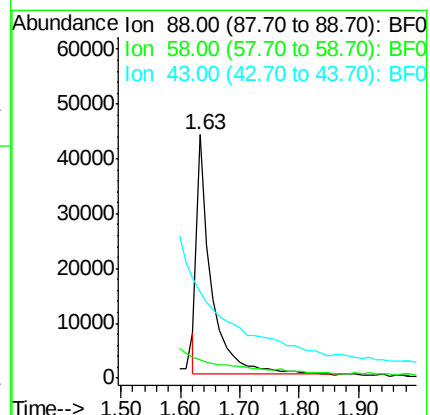
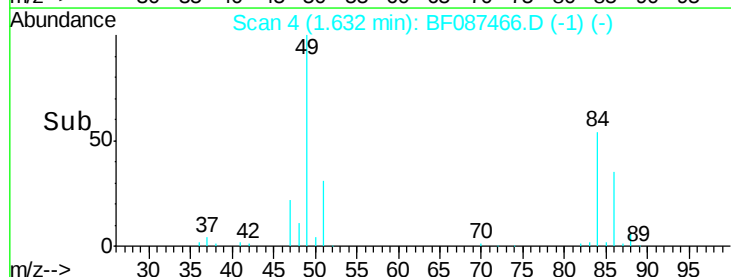
43 0.0 21.8 32.6#

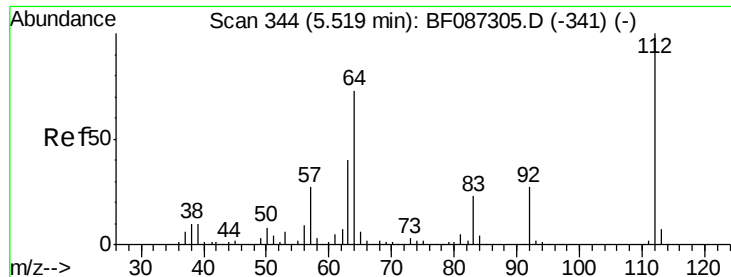


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 162.39 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.02 min

Lab File: BF087466.D

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Instrument :

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ClientSampleId :

CHS-STA-1711(0-4)

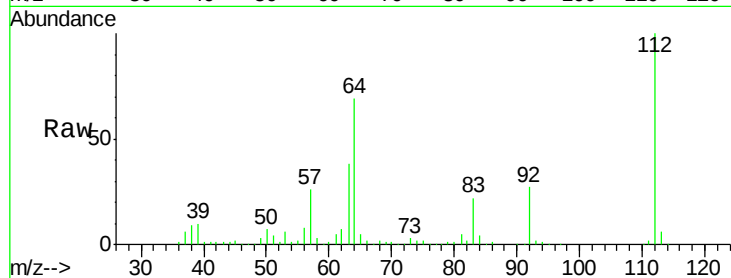
Tgt Ion: 112 Resp: 1024069

Ion Ratio Lower Upper

112 100

64 68.8 52.1 78.1

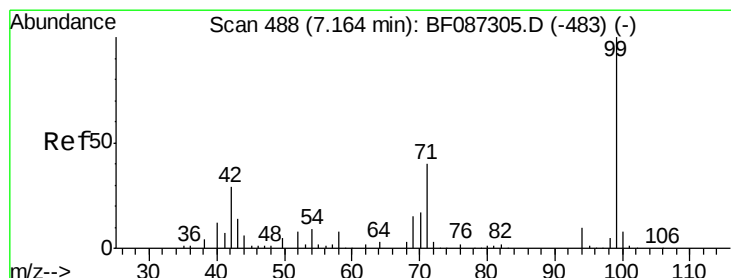
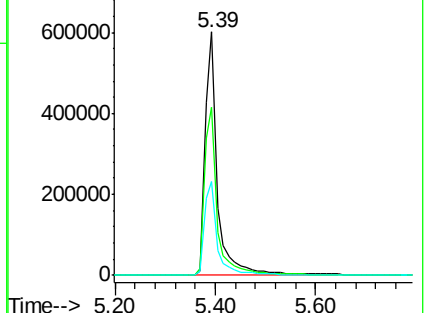
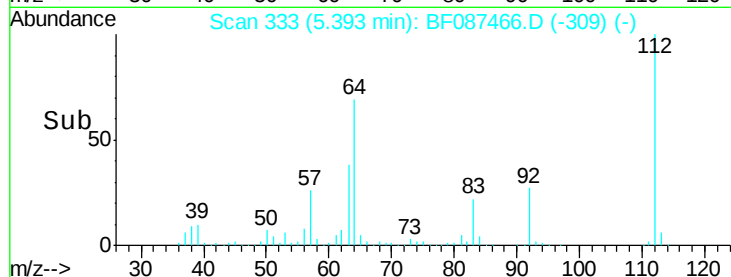
63 38.4 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 167.17 ng

RT: 7.05 min Scan# 478

Delta R.T. -0.02 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

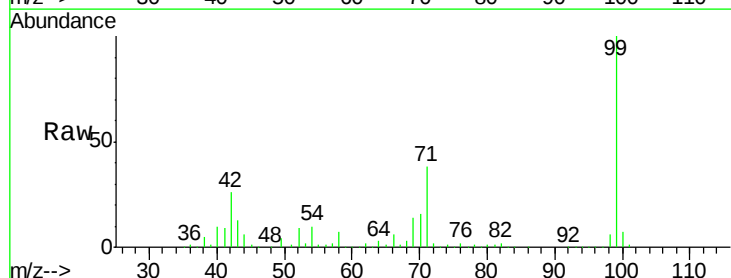
Tgt Ion: 99 Resp: 1424405

Ion Ratio Lower Upper

99 100

42 25.6 13.6 20.4#

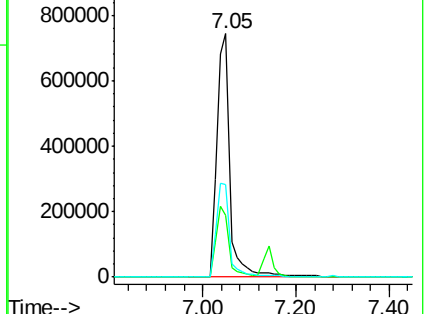
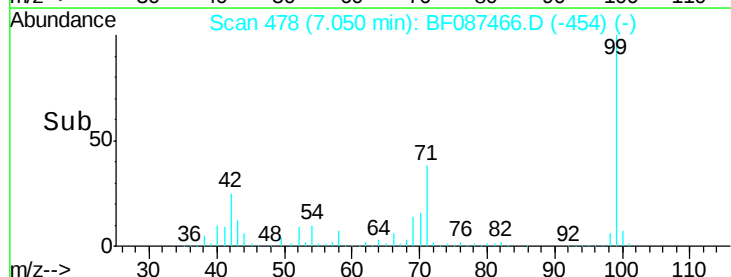
71 37.9 24.6 36.8#

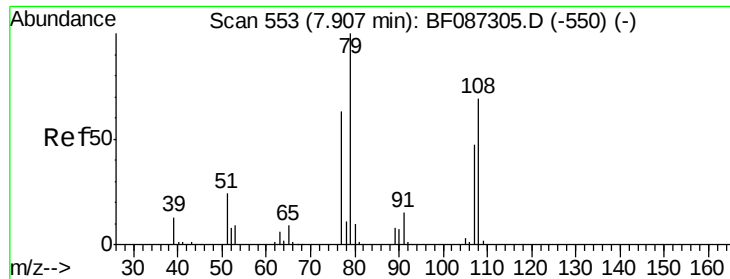


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 3.12 ng

RT: 7.72 min Scan# 537

Delta R.T. -0.09 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

Instrument :

BNA_F

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CHS-STA-1711(0-4)

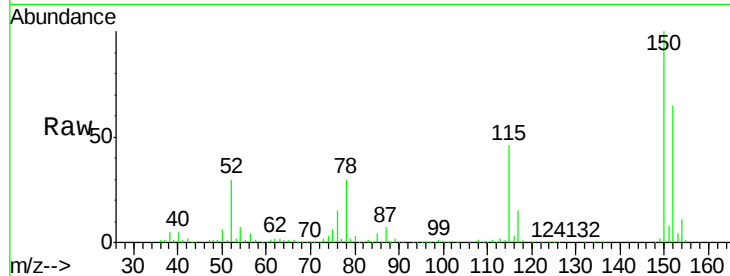
Tgt Ion: 79 Resp: 19387

Ion Ratio Lower Upper

79 100

108 31.7 68.4 102.6#

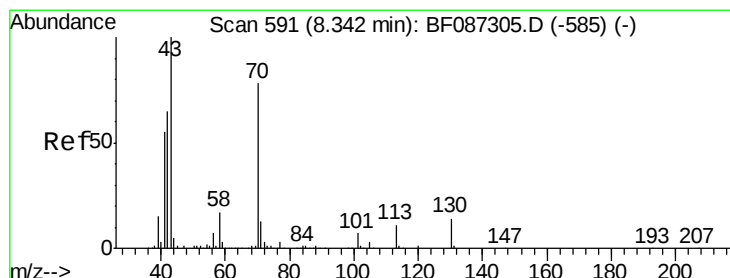
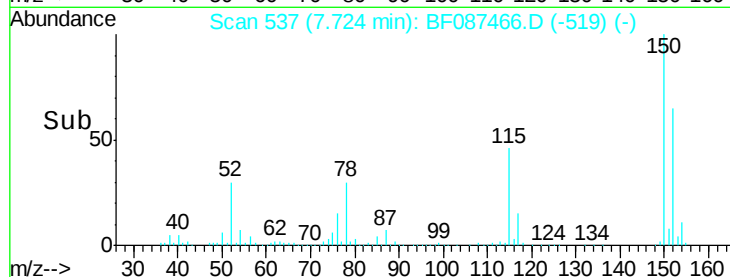
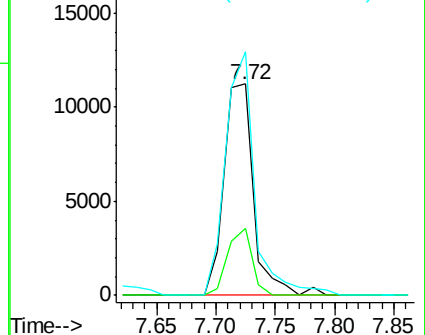
77 115.1 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 20.09 ng

RT: 8.40 min Scan# 596

Delta R.T. 0.15 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

Tgt Ion: 70 Resp: 127638

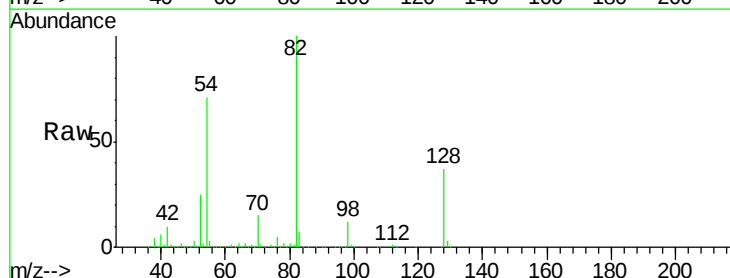
Ion Ratio Lower Upper

70 100

42 68.4 43.1 64.7#

101 0.0 8.1 12.1#

130 1.6 18.6 28.0#

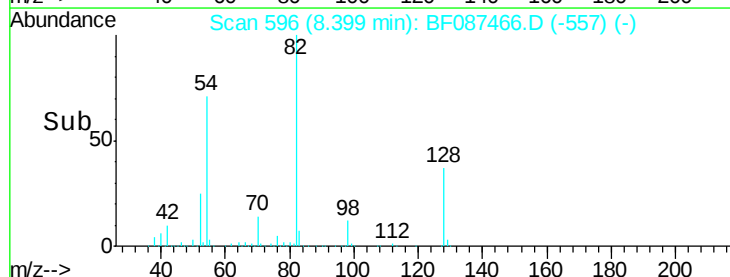
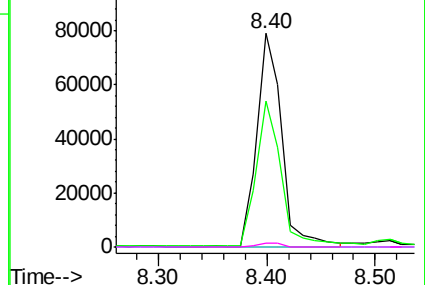


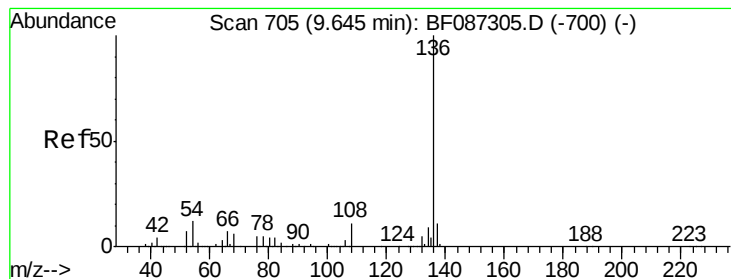
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.52 min Scan# 694

Delta R.T. -0.03 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1711(0-4)

Tgt Ion: 136 Resp: 446628

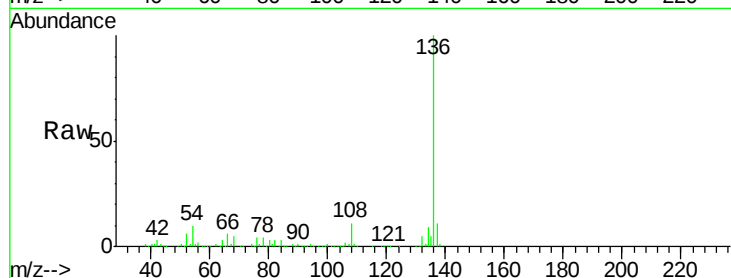
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 10.1 5.0 7.4#

68 4.8 4.4 6.6

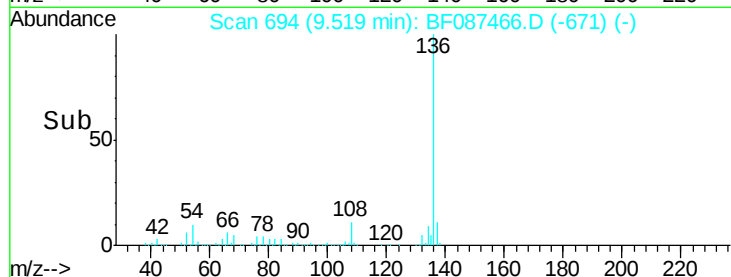


Abundance Ion 136.00 (135.70 to 136.70): E

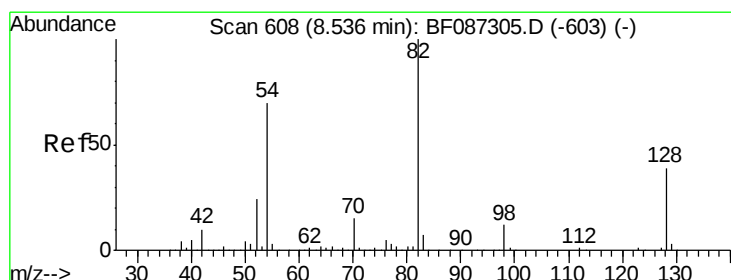
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 9.40 9.50 9.60



#23

Nitrobenzene-d5

Concen: 105.48 ng

RT: 8.40 min Scan# 596

Delta R.T. -0.05 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

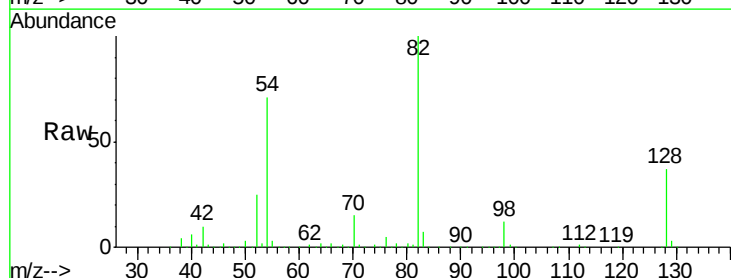
Tgt Ion: 82 Resp: 934727

Ion Ratio Lower Upper

82 100

128 36.9 40.6 61.0#

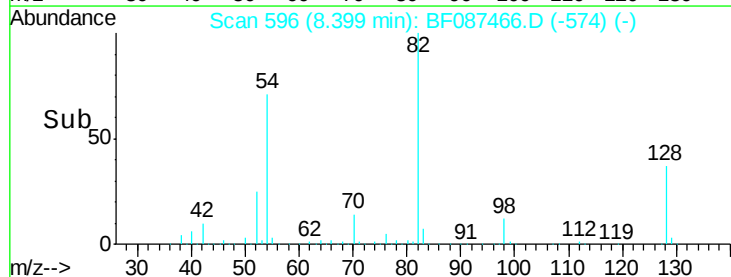
54 71.3 38.1 57.1#



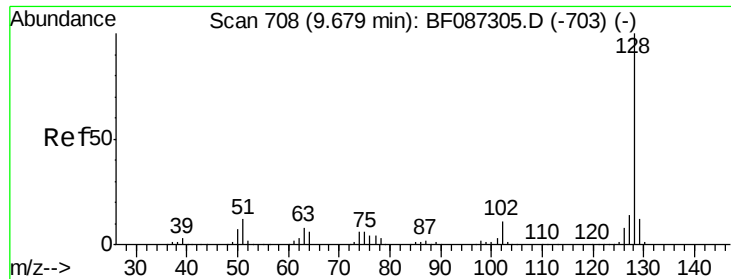
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



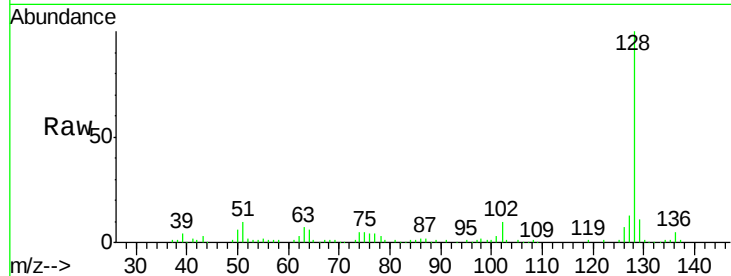
Time--> 8.40 8.60



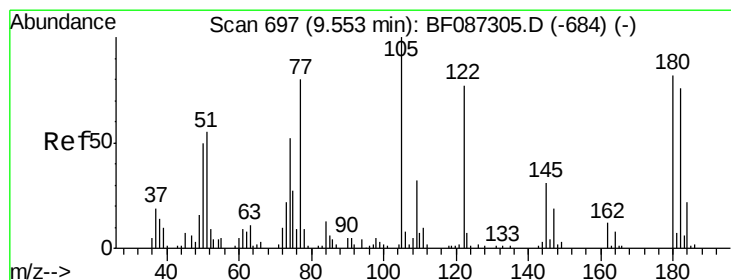
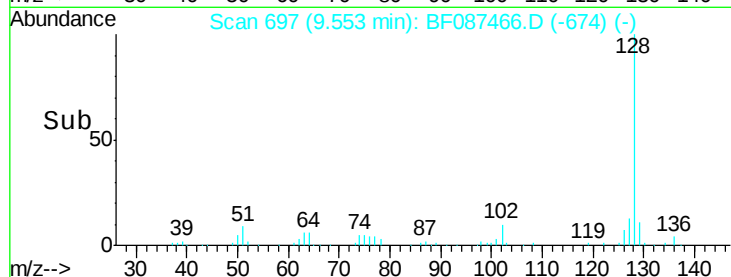
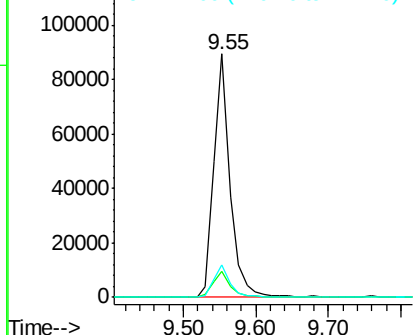
#31
Naphthalene
Concen: 6.23 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.03 min
Lab File: BF087466.D
Acq: 28 May 2016 4:21

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)

Tgt Ion:128 Resp: 139393
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 13.2 10.8 16.2

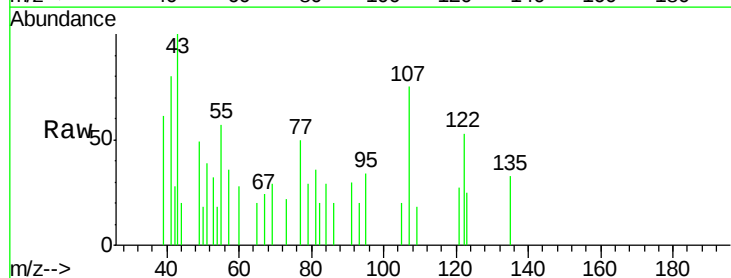


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

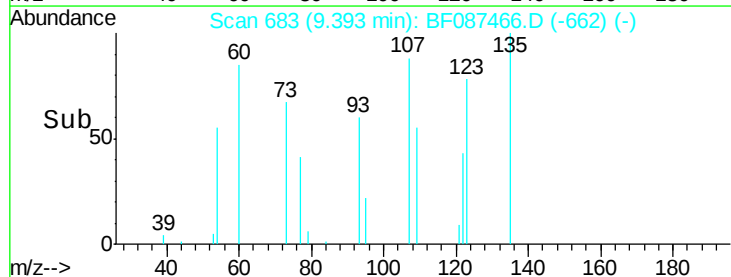
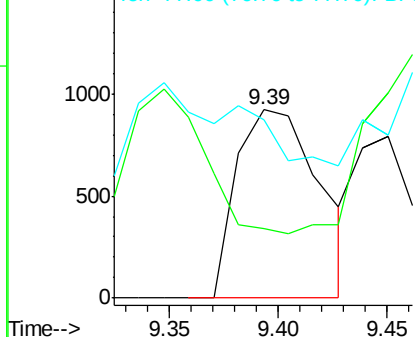


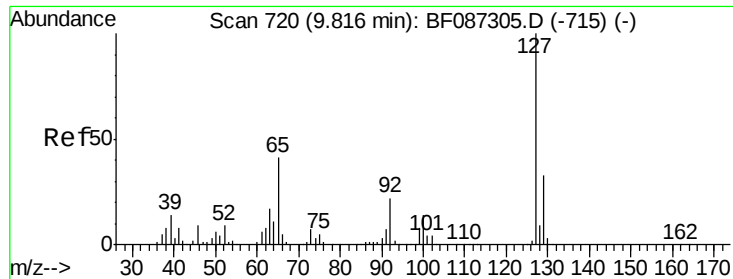
#32
Benzoic acid
Concen: 6.46 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.06 min
Lab File: BF087466.D
Acq: 28 May 2016 4:21

Tgt Ion:122 Resp: 2457
Ion Ratio Lower Upper
122 100
105 37.0 92.6 132.6#
77 94.5 60.0 100.0



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

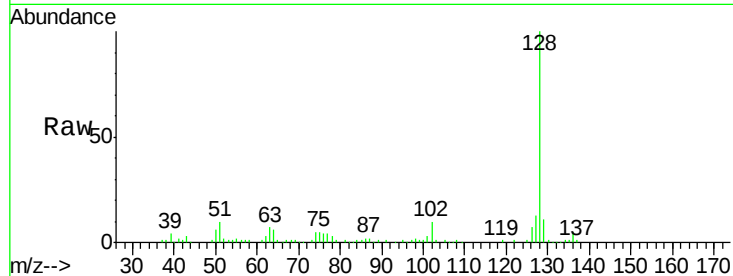




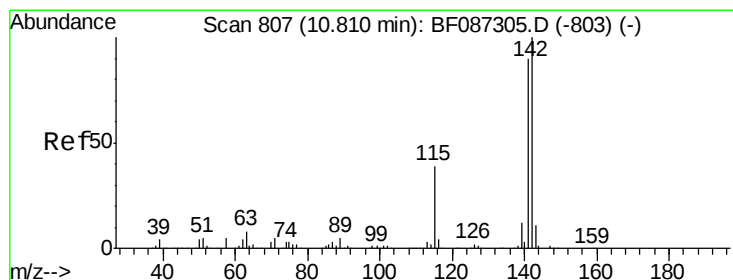
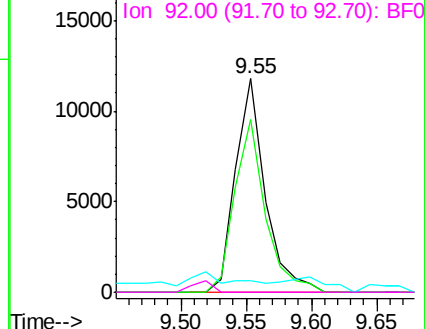
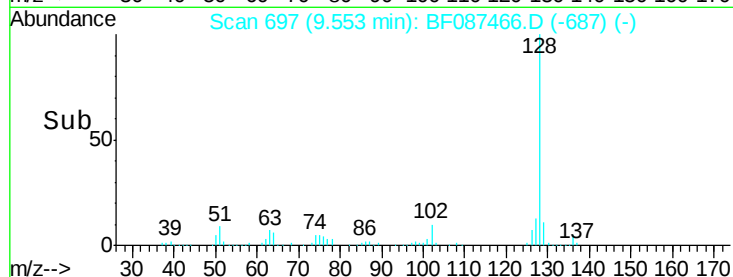
#33
 4-Chloroaniline
 Concen: 2.26 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.18 min
 Lab File: BF087466.D
 Acq: 28 May 2016 4:21

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1711(0-4)

Tgt Ion:	127	Resp:	18611
Ion	Ratio	Lower	Upper
127	100		
129	81.0	26.2	39.4#
65	5.2	23.0	34.4#
92	0.0	15.1	22.7#

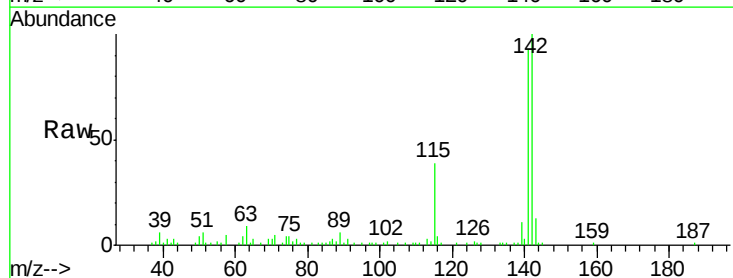


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

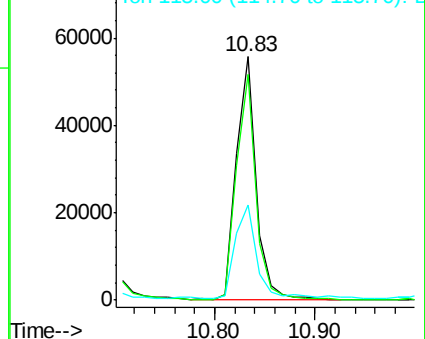
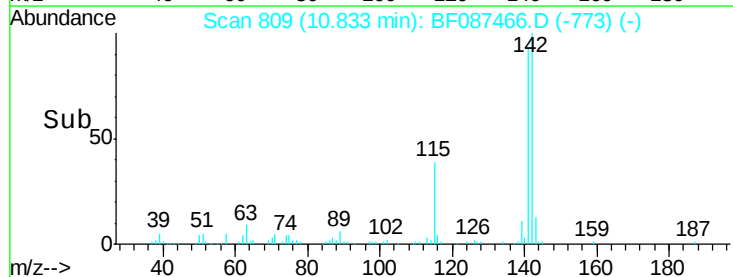


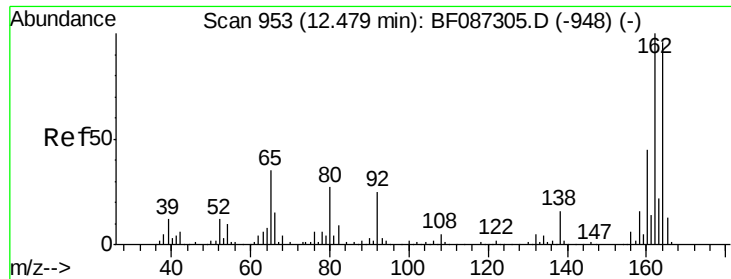
#37
 2-Methylnaphthalene
 Concen: 5.49 ng
 RT: 10.83 min Scan# 809
 Delta R.T. 0.11 min
 Lab File: BF087466.D
 Acq: 28 May 2016 4:21

Tgt Ion:	142	Resp:	76762
Ion	Ratio	Lower	Upper
142	100		
141	92.8	71.0	106.6
115	39.1	26.6	39.8



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: 12.34 min Scan# 941

Delta R.T. -0.05 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1711(0-4)

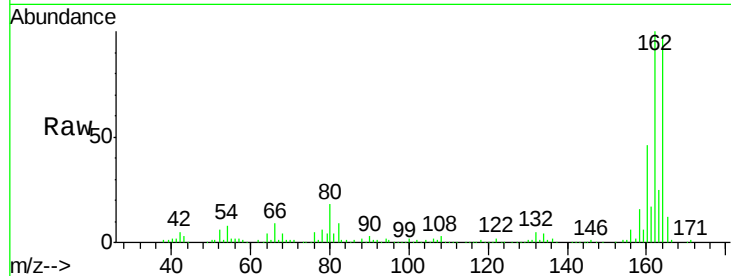
Tgt Ion:164 Resp: 193865

Ion Ratio Lower Upper

164 100

162 102.6 82.8 124.2

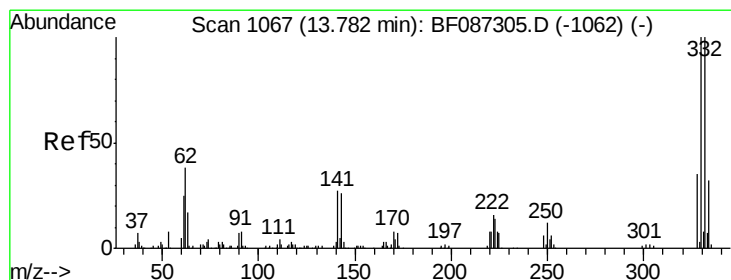
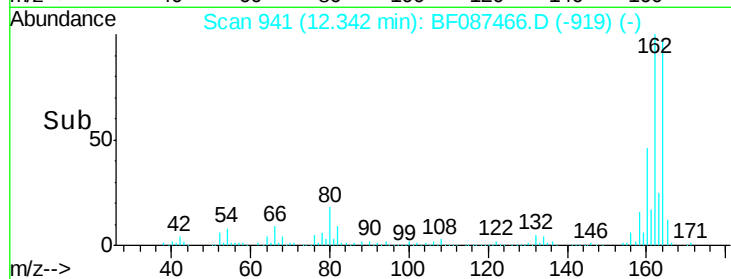
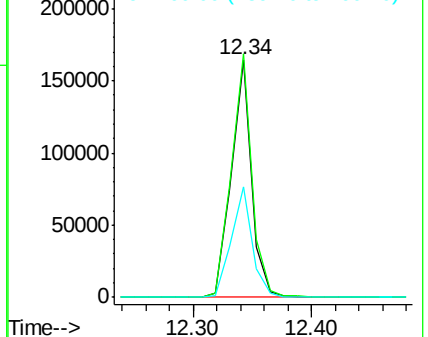
160 46.7 36.9 55.3



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: 132.70 ng

RT: 13.65 min Scan# 1055

Delta R.T. -0.03 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

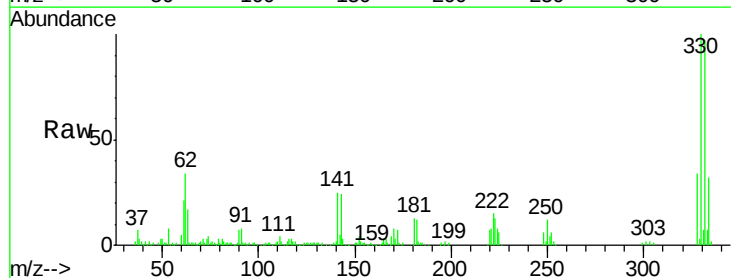
Tgt Ion:330 Resp: 247215

Ion Ratio Lower Upper

330 100

332 97.1 79.0 118.4

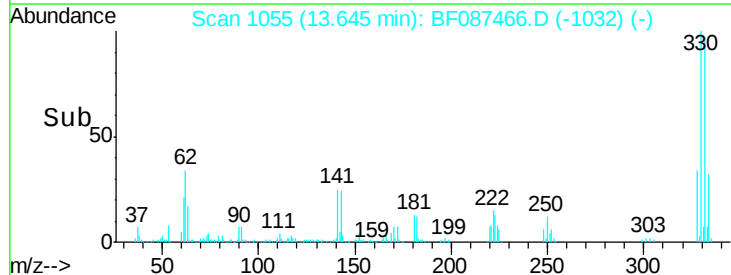
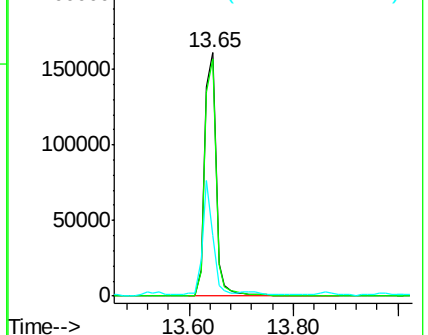
141 42.7 31.2 46.8

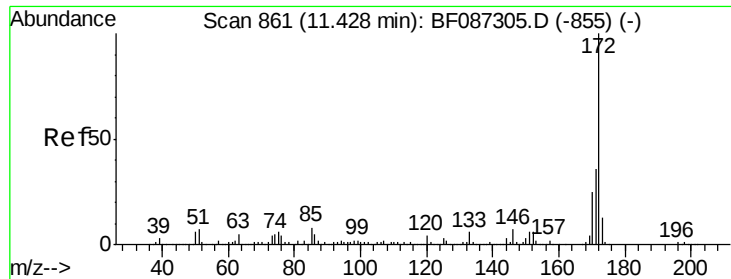


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

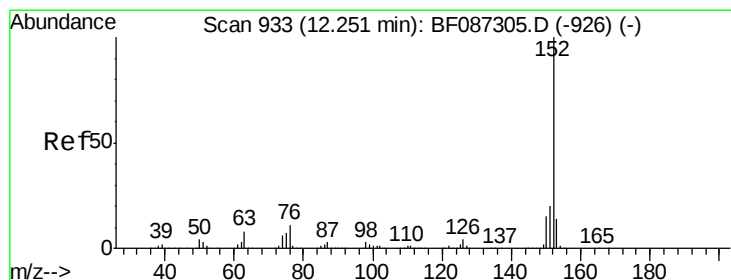
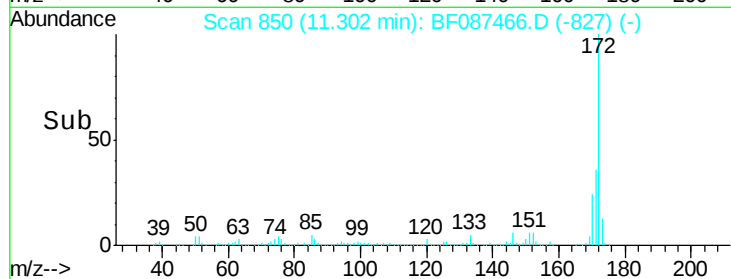
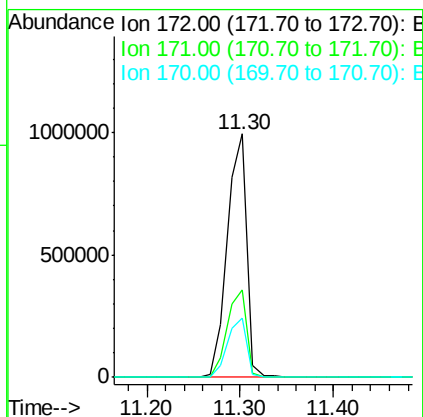
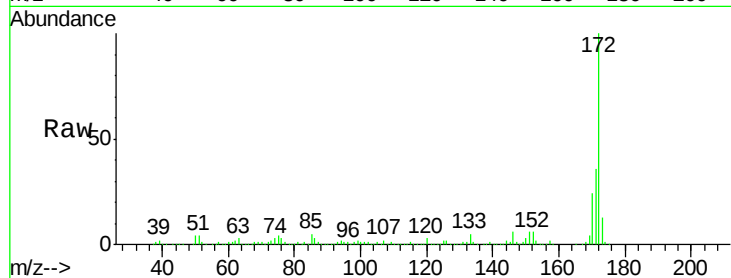




#44
 2-Fluorobiphenyl
 Concen: 105.43 ng
 RT: 11.30 min Scan# 850
 Delta R.T. -0.03 min
 Lab File: BF087466.D
 Acq: 28 May 2016 4:21

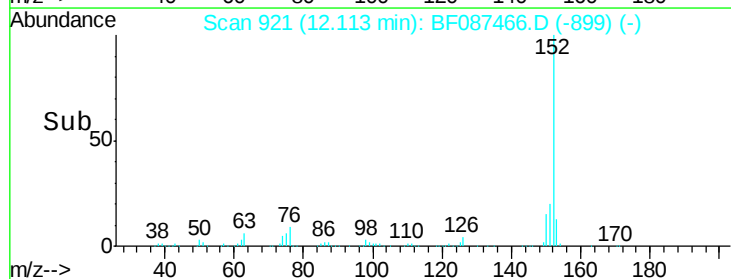
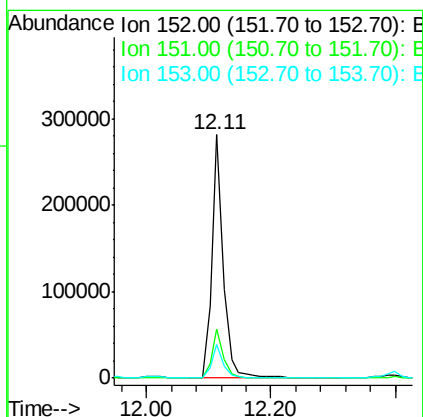
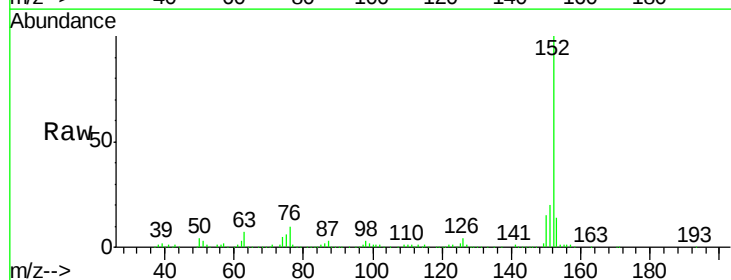
Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1711(0-4)

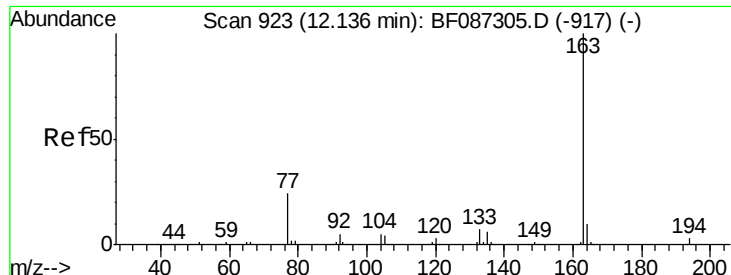
Tgt Ion:172 Resp: 1449801
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.0 43.6
 170 24.1 19.8 29.8



#48
 Acenaphthylene
 Concen: 17.96 ng
 RT: 12.11 min Scan# 921
 Delta R.T. -0.05 min
 Lab File: BF087466.D
 Acq: 28 May 2016 4:21

Tgt Ion:152 Resp: 355011
 Ion Ratio Lower Upper
 152 100
 151 20.1 16.8 25.2
 153 14.0 10.9 16.3





#49

Dimethylphthalate

Concen: 14.51 ng

RT: 11.99 min Scan# 910

Delta R.T. -0.06 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1711(0-4)

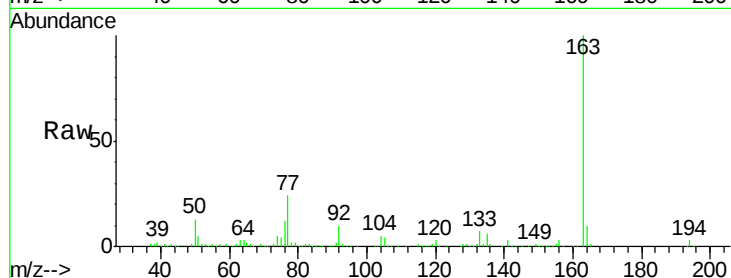
Tgt Ion:163 Resp: 225296

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

164 10.0 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

250000

200000

150000

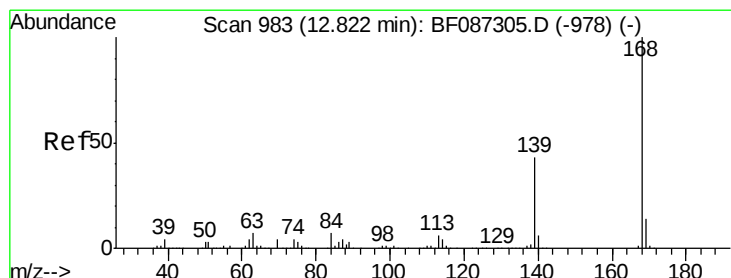
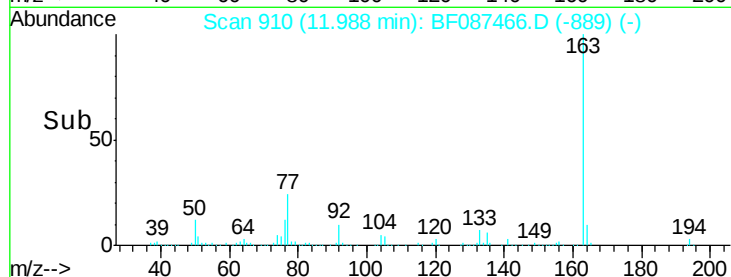
100000

50000

0

11.99

Time-->



#54

Dibenzofuran

Concen: 3.04 ng

RT: 12.68 min Scan# 971

Delta R.T. -0.03 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

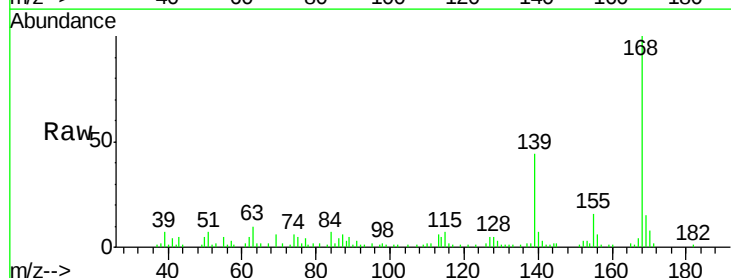
Tgt Ion:168 Resp: 49934

Ion Ratio Lower Upper

168 100

139 44.4 31.4 47.0

169 15.3 10.7 16.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

50000

40000

30000

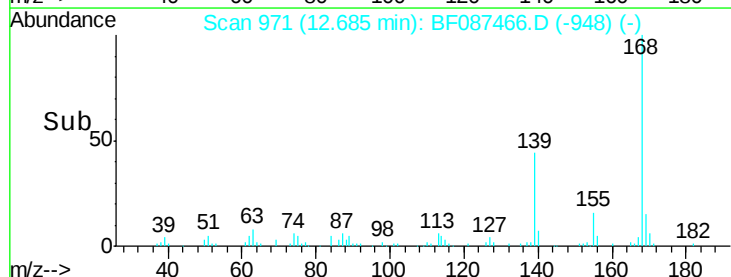
20000

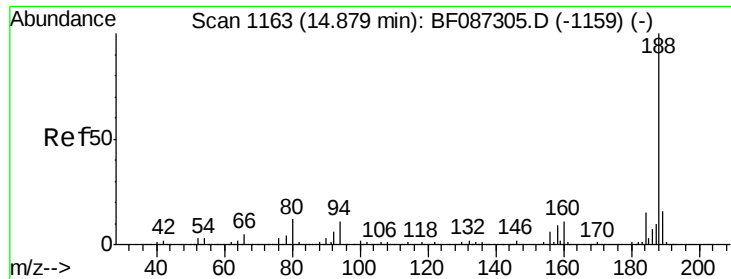
10000

0

12.68

Time-->

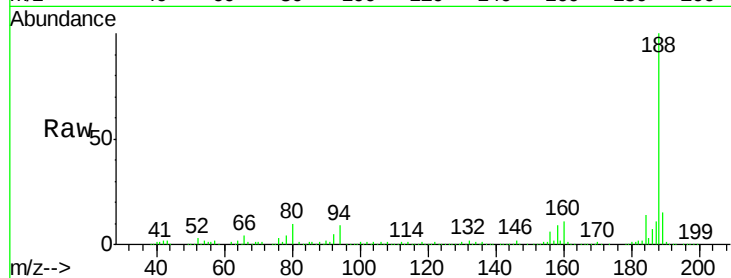




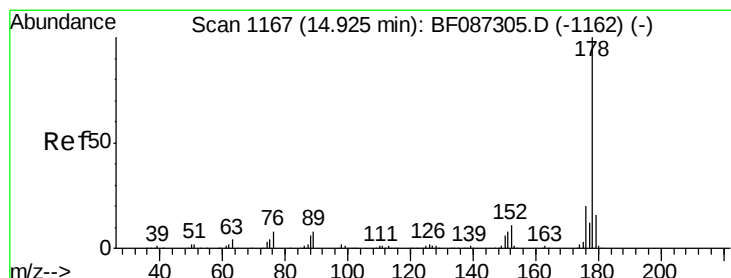
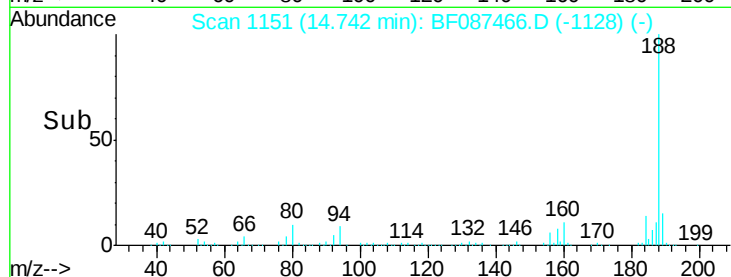
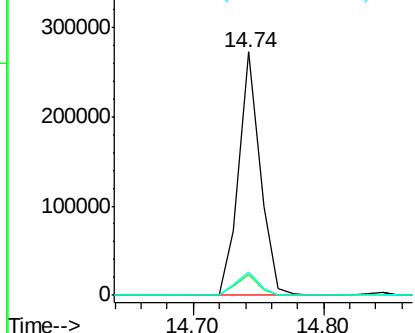
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF087466.D
Acq: 28 May 2016 4:21

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)

Tgt Ion:188 Resp: 312218
Ion Ratio Lower Upper
188 100
94 8.8 6.8 10.2
80 9.8 7.1 10.7

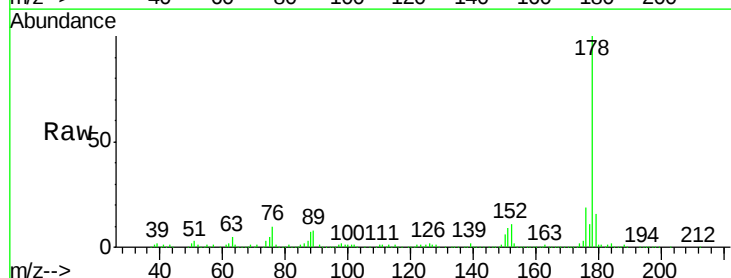


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

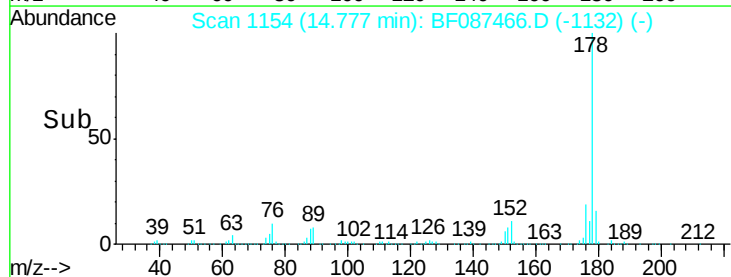
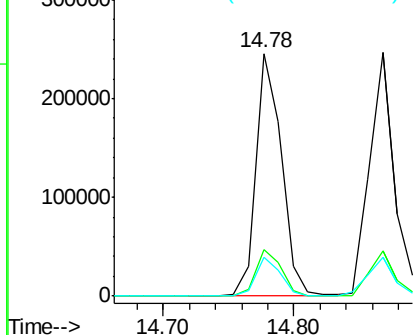


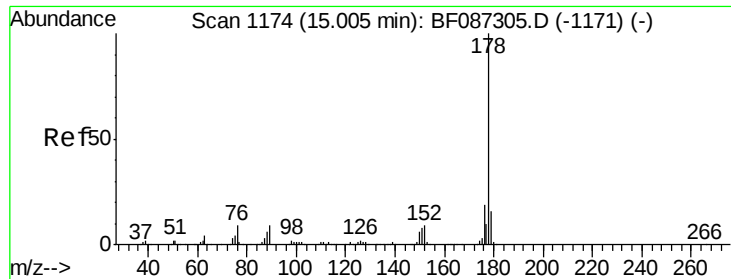
#70
Phenanthrene
Concen: 19.39 ng
RT: 14.78 min Scan# 1154
Delta R.T. -0.05 min
Lab File: BF087466.D
Acq: 28 May 2016 4:21

Tgt Ion:178 Resp: 335255
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 16.0 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: 19.03 ng

RT: 14.87 min Scan# 1162

Delta R.T. -0.03 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1711(0-4)

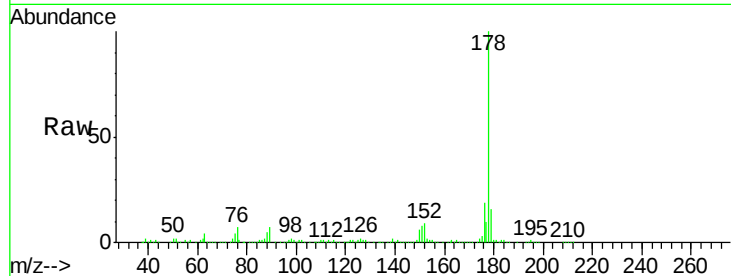
Tgt Ion:178 Resp: 332500

Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

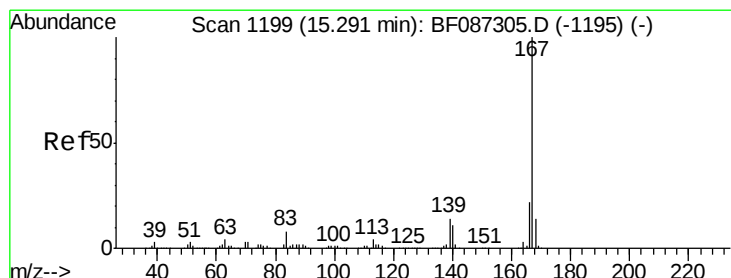
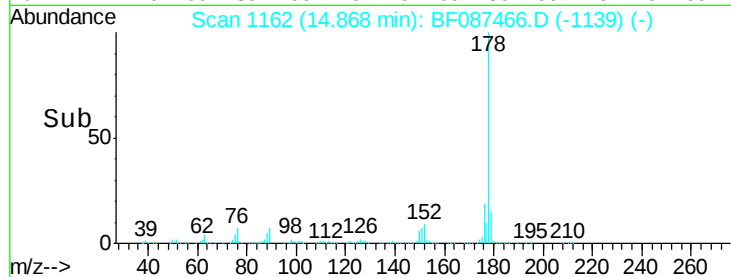
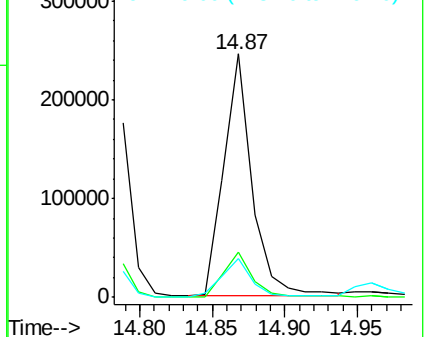
179 15.7 12.7 19.1



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: 9.06 ng

RT: 15.17 min Scan# 1188

Delta R.T. -0.02 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

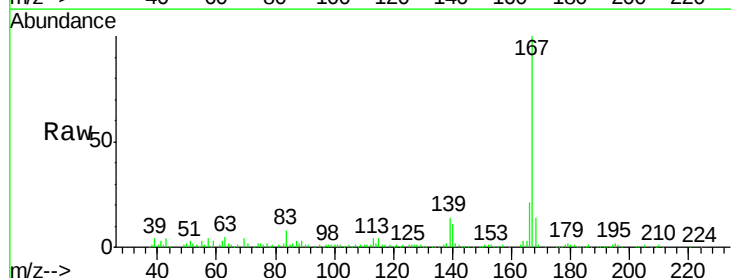
Tgt Ion:167 Resp: 134934

Ion Ratio Lower Upper

167 100

166 21.4 17.7 26.5

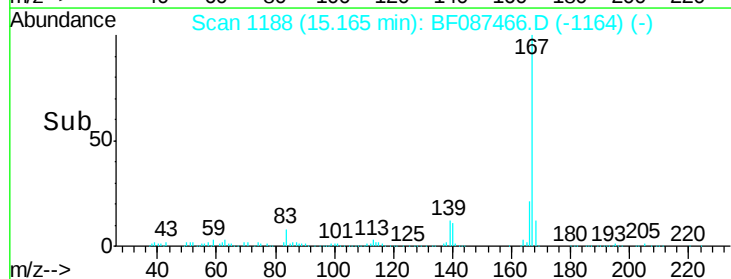
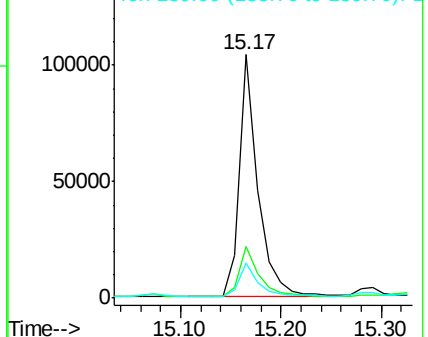
139 14.3 10.8 16.2

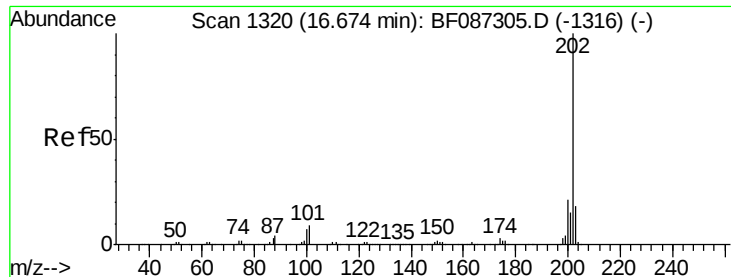


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 105.63 ng

RT: 16.56 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1711(0-4)

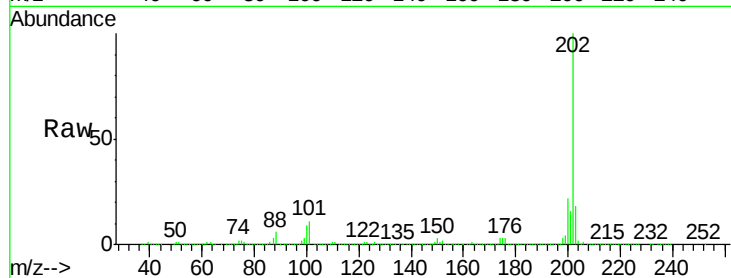
Tgt Ion: 202 Resp: 1831872

Ion Ratio Lower Upper

202 100

101 11.2 0.0 35.4

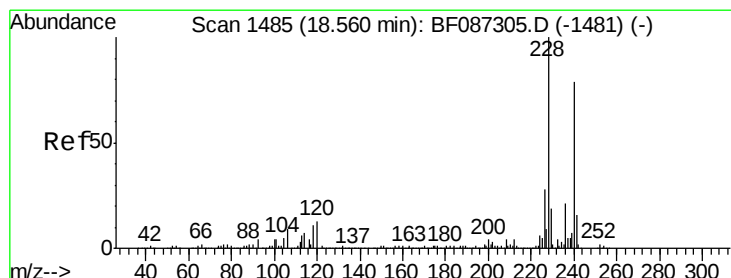
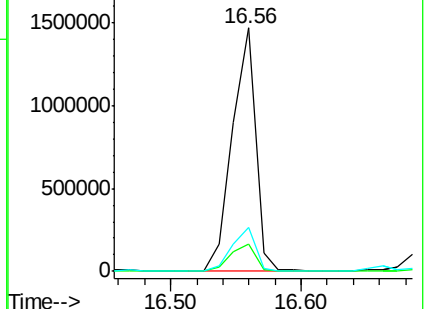
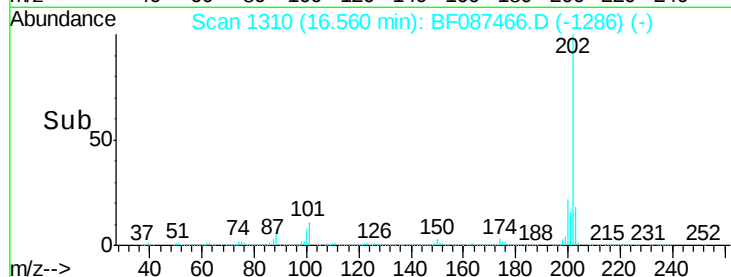
203 18.3 0.0 38.1



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: 18.46 min Scan# 1476

Delta R.T. -0.02 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

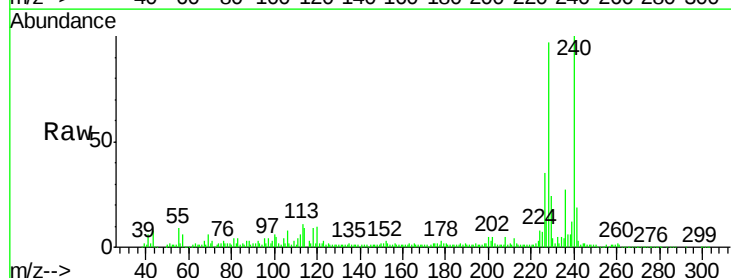
Tgt Ion: 240 Resp: 227782

Ion Ratio Lower Upper

240 100

120 9.7 11.2 16.8#

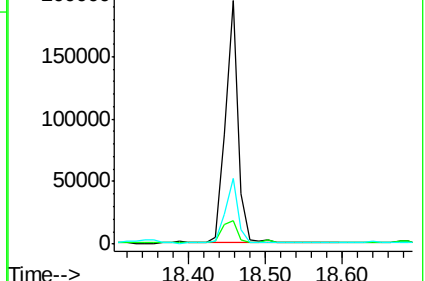
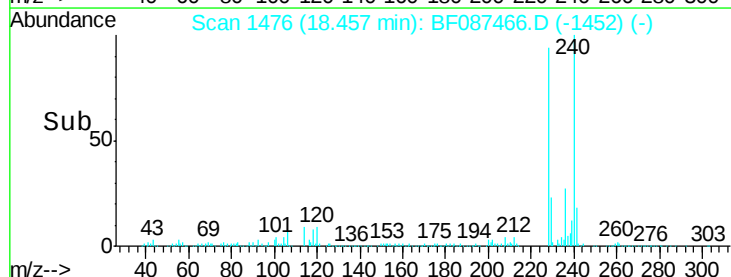
236 26.8 21.2 31.8

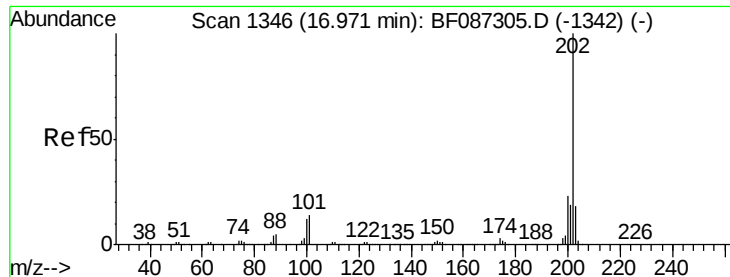


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 113.08 ng

RT: 16.86 min Scan# 1336

Delta R.T. -0.02 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1711(0-4)

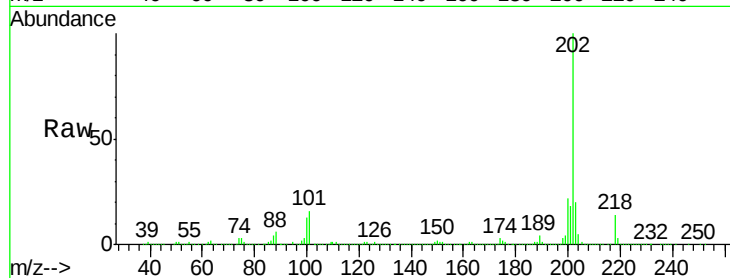
Tgt Ion:202 Resp: 1854019

Ion Ratio Lower Upper

202 100

200 22.1 17.7 26.5

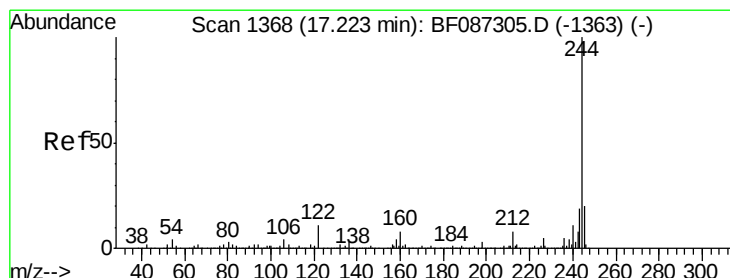
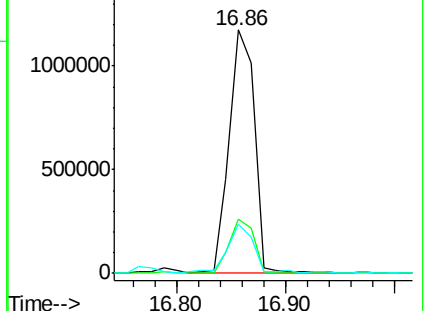
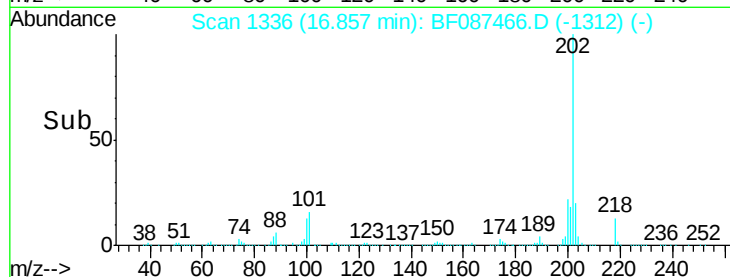
203 20.4 14.2 21.4



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: 90.17 ng

RT: 17.11 min Scan# 1358

Delta R.T. -0.02 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

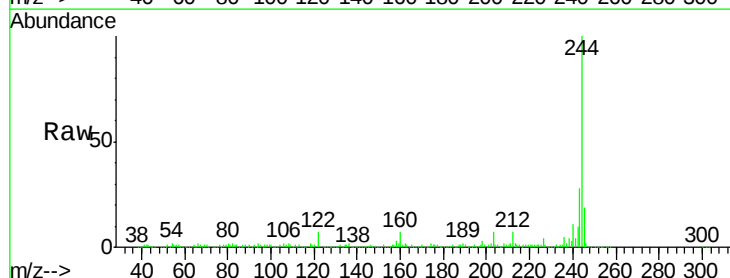
Tgt Ion:244 Resp: 966048

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

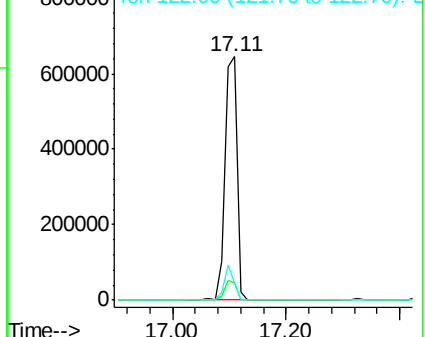
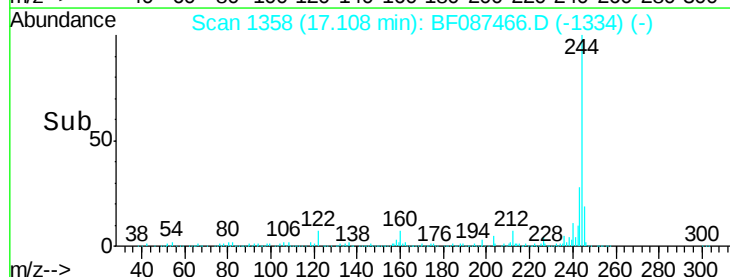
122 7.2 12.0 18.0#

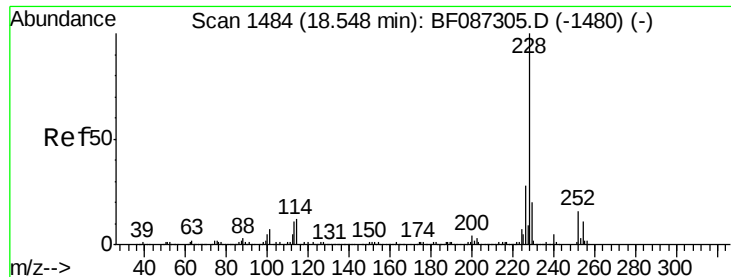


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 58.28 ng

RT: 18.49 min Scan# 1479

Delta R.T. 0.03 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1711(0-4)

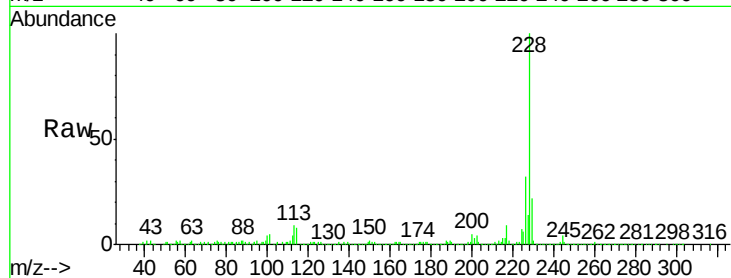
Tgt Ion:228 Resp: 755134

Ion Ratio Lower Upper

228 100

226 31.8 22.5 33.7

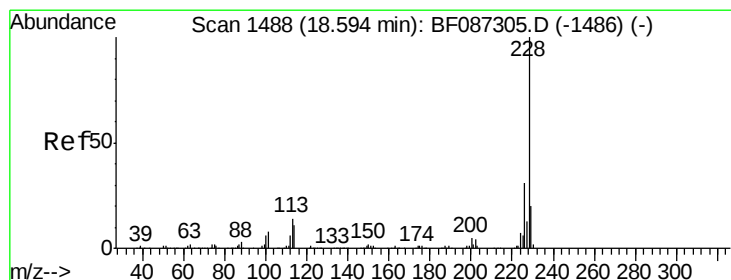
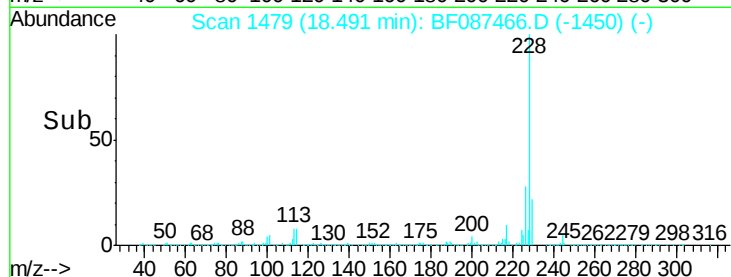
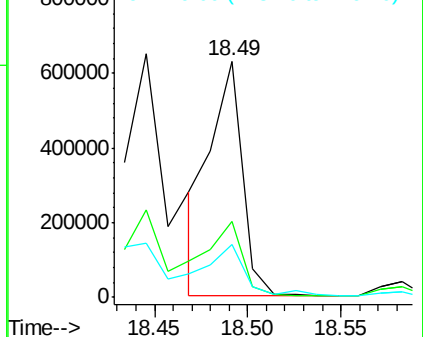
229 22.4 16.6 25.0



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: 58.92 ng

RT: 18.49 min Scan# 1479

Delta R.T. -0.02 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

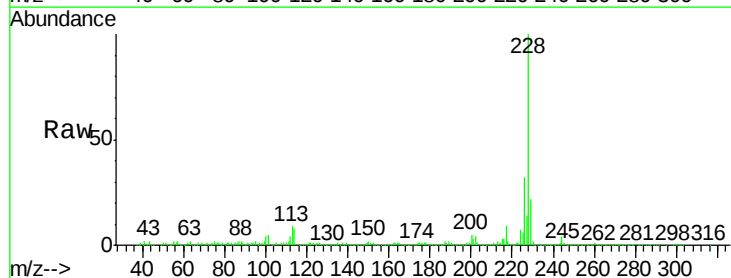
Tgt Ion:228 Resp: 757662

Ion Ratio Lower Upper

228 100

226 31.8 24.4 36.6

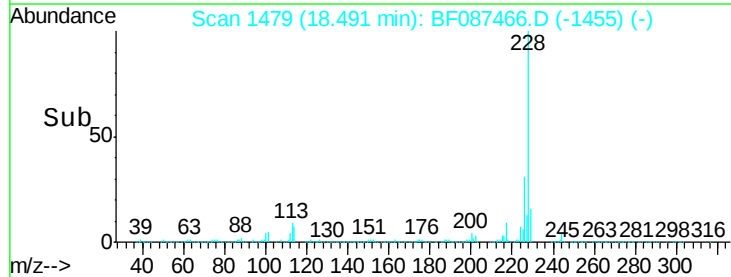
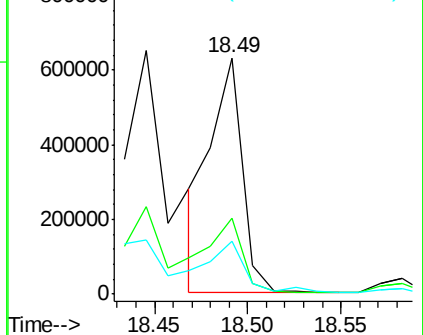
229 22.4 15.8 23.8

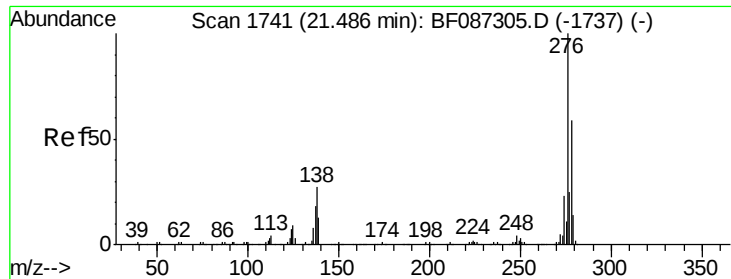


Abundance Ion 228.00 (227.70 to 228.70): E

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: 40.19 ng

RT: 21.35 min Scan# 1729

Delta R.T. -0.01 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1711(0-4)

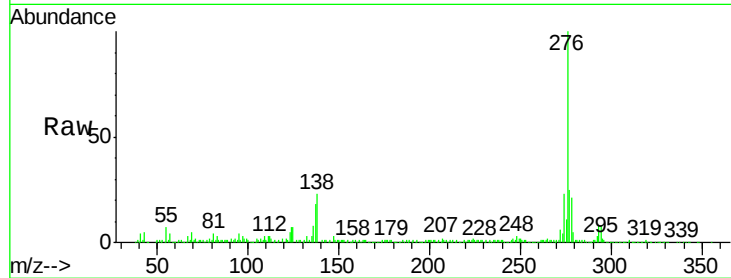
Tgt Ion:276 Resp: 414252

Ion Ratio Lower Upper

276 100

138 20.8 25.6 38.4#

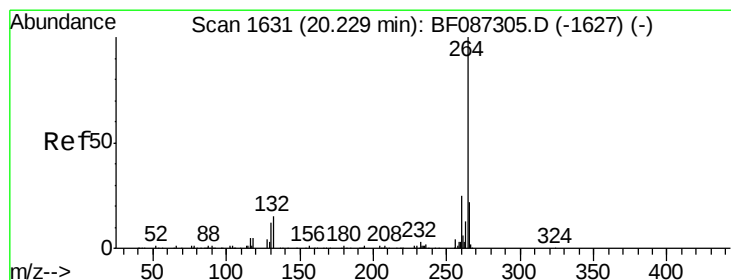
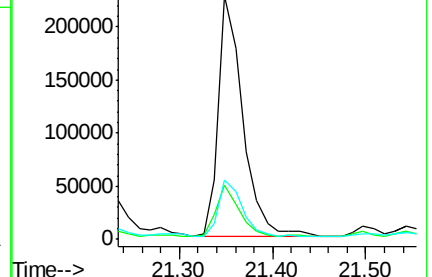
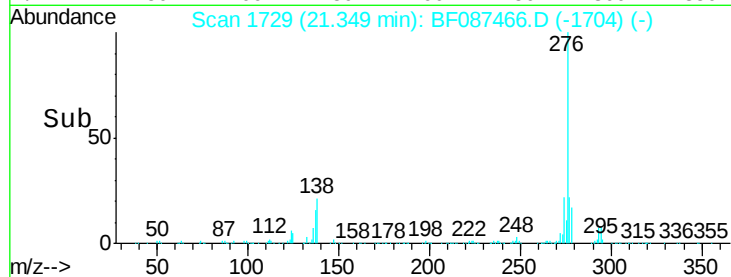
277 23.5 20.5 30.7



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: 20.13 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

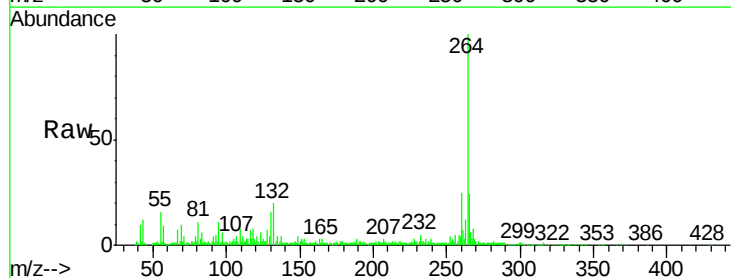
Tgt Ion:264 Resp: 196935

Ion Ratio Lower Upper

264 100

260 25.2 19.5 29.3

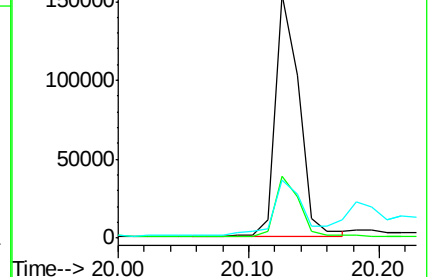
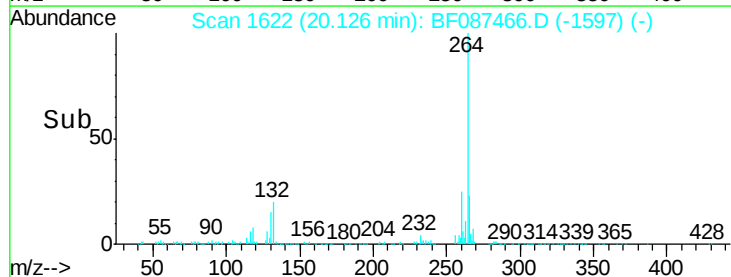
265 23.6 17.3 25.9

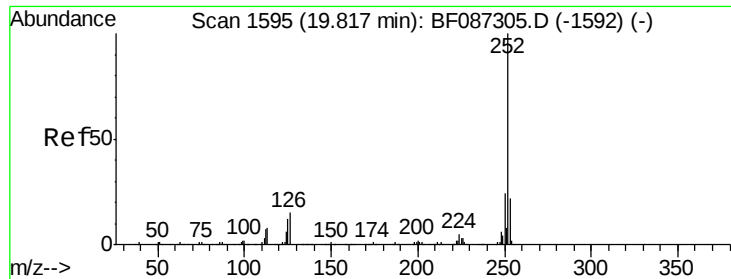


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 141.71 ng

RT: 19.73 min Scan# 1587

Delta R.T. -0.00 min

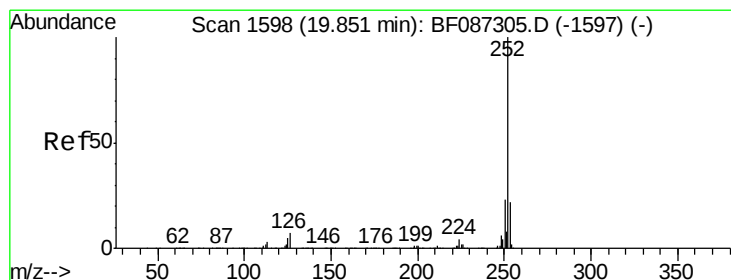
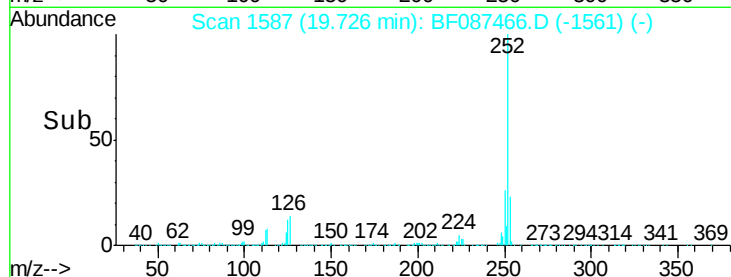
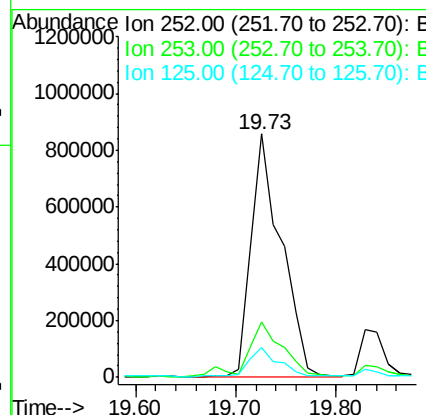
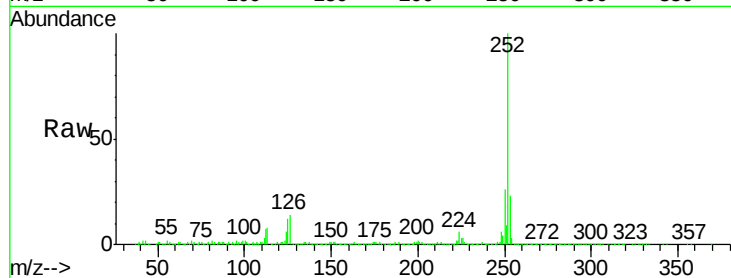
Lab File: BF087466.D

Acq: 28 May 2016 4:21

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)

Tgt Ion:252 Resp: 1777728

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	12.4	11.4	17.0



#88

Benzo(k)fluoranthene

Concen: 164.64 ng

RT: 19.73 min Scan# 1587

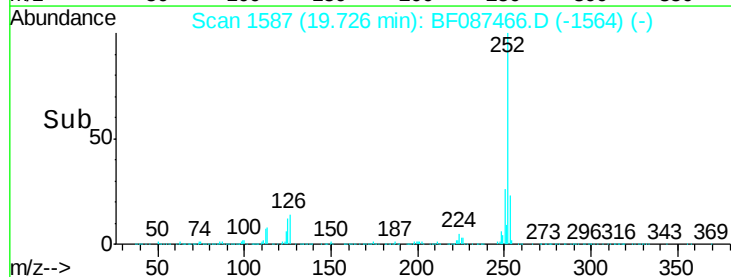
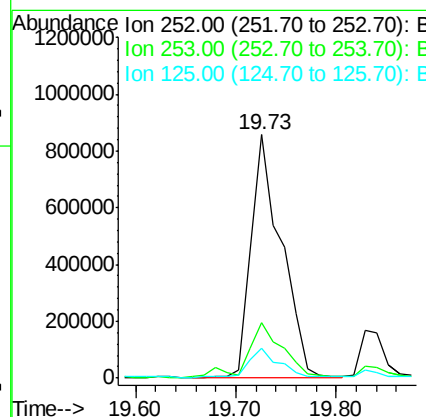
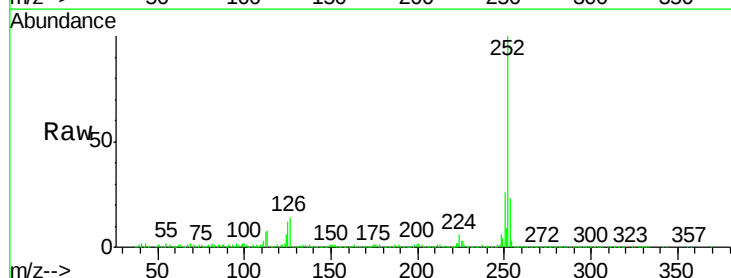
Delta R.T. -0.03 min

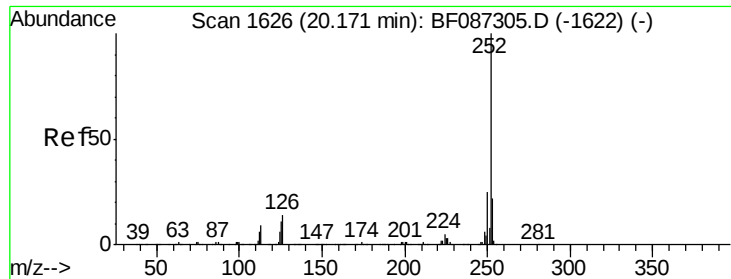
Lab File: BF087466.D

Acq: 28 May 2016 4:21

Tgt Ion:252 Resp: 1777728

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	12.4	9.1	13.7





#89

Benzo(a)pyrene

Concen: 59.80 ng

RT: 20.07 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1711(0-4)

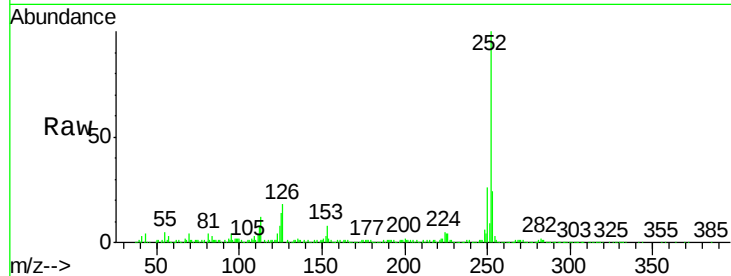
Tgt Ion:252 Resp: 648830

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

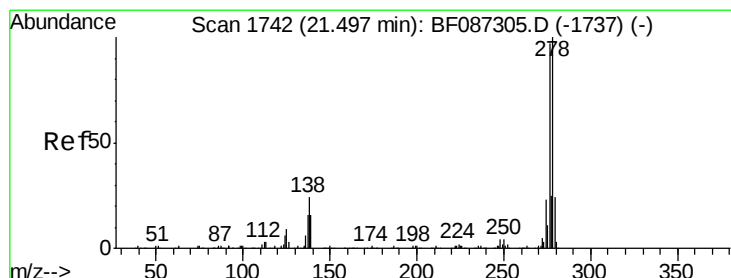
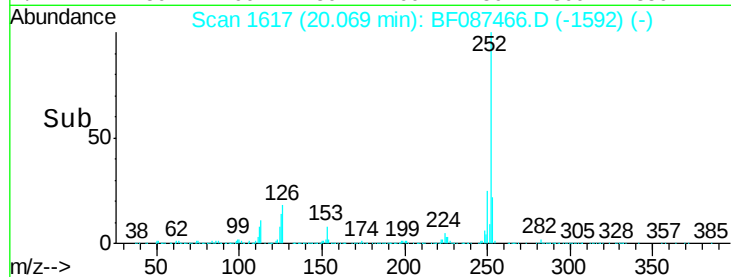
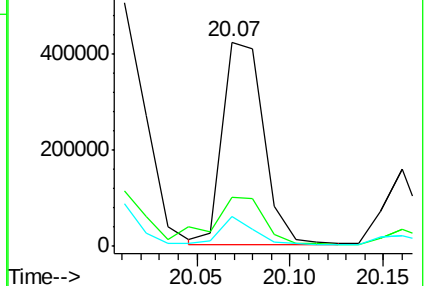
125 14.4 9.0 13.6#



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: 4.09 ng

RT: 21.43 min Scan# 1736

Delta R.T. 0.07 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

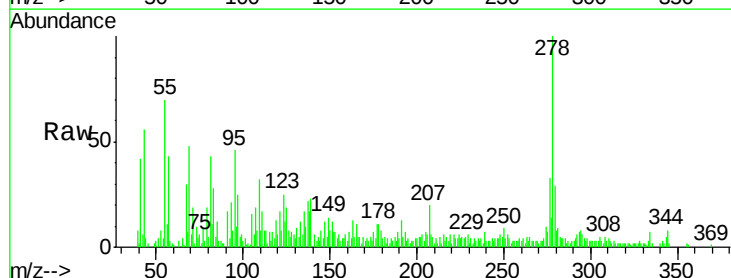
Tgt Ion:278 Resp: 37864

Ion Ratio Lower Upper

278 100

139 22.6 16.6 24.8

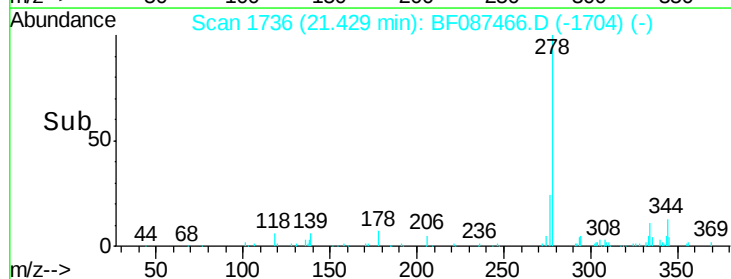
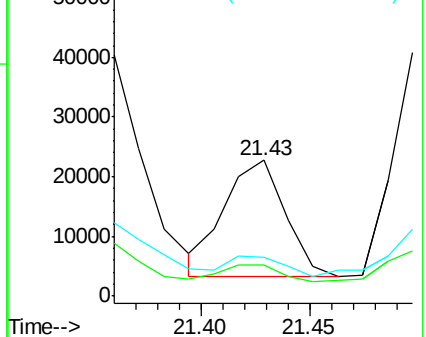
279 28.6 19.6 29.4

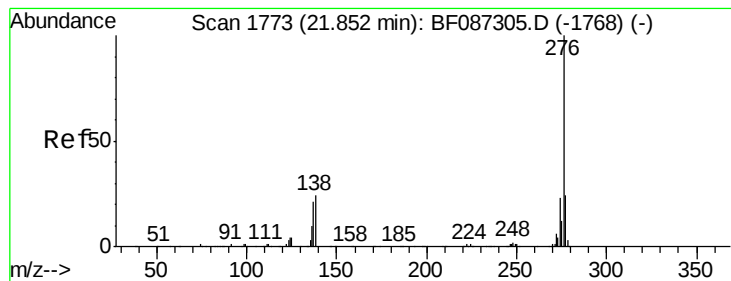


Abundance Ion 278.00 (277.70 to 278.70): E

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: 37.22 ng

RT: 21.70 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF087466.D

Acq: 28 May 2016 4:21

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1711(0-4)

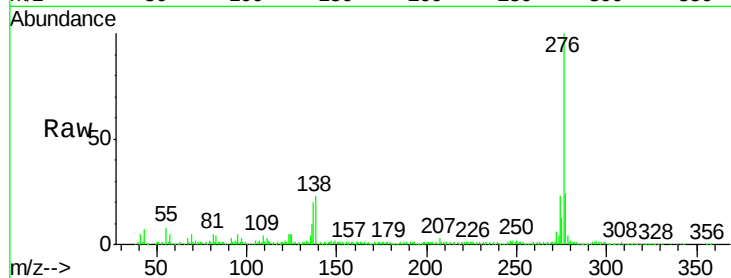
Tgt Ion: 276 Resp: 339839

Ion Ratio Lower Upper

276 100

277 24.1 19.6 29.4

138 23.1 23.6 35.4#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

