

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
 Data File : BF087472.D
 Acq On : 28 May 2016 7:45
 Operator : UM/SJ
 Sample : H3190-19
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1685(0-4)

Quant Time: May 30 00:56:46 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	110080	20.00	ng	-0.03
21) Naphthalene-d8	9.51	136	437535	20.00	ng	-0.05
38) Acenaphthene-d10	12.34	164	189668	20.00	ng	-0.05
63) Phenanthrene-d10	14.74	188	306287	20.00	ng	-0.03
75) Chrysene-d12	18.45	240	220299	20.00	ng	-0.03
86) Perylene-d12	20.13	264	168136	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	854563	136.41	ng	-0.02
7) Phenol-d6	7.04	99	1126890	133.12	ng	-0.03
23) Nitrobenzene-d5	8.40	82	746884	86.03	ng	-0.05
41) 2,4,6-Tribromophenol	13.63	330	203755	111.79	ng	-0.05
44) 2-Fluorobiphenyl	11.29	172	1088154	80.88	ng	-0.05
78) Terphenyl-d14	17.10	244	676691	65.30	ng	-0.03

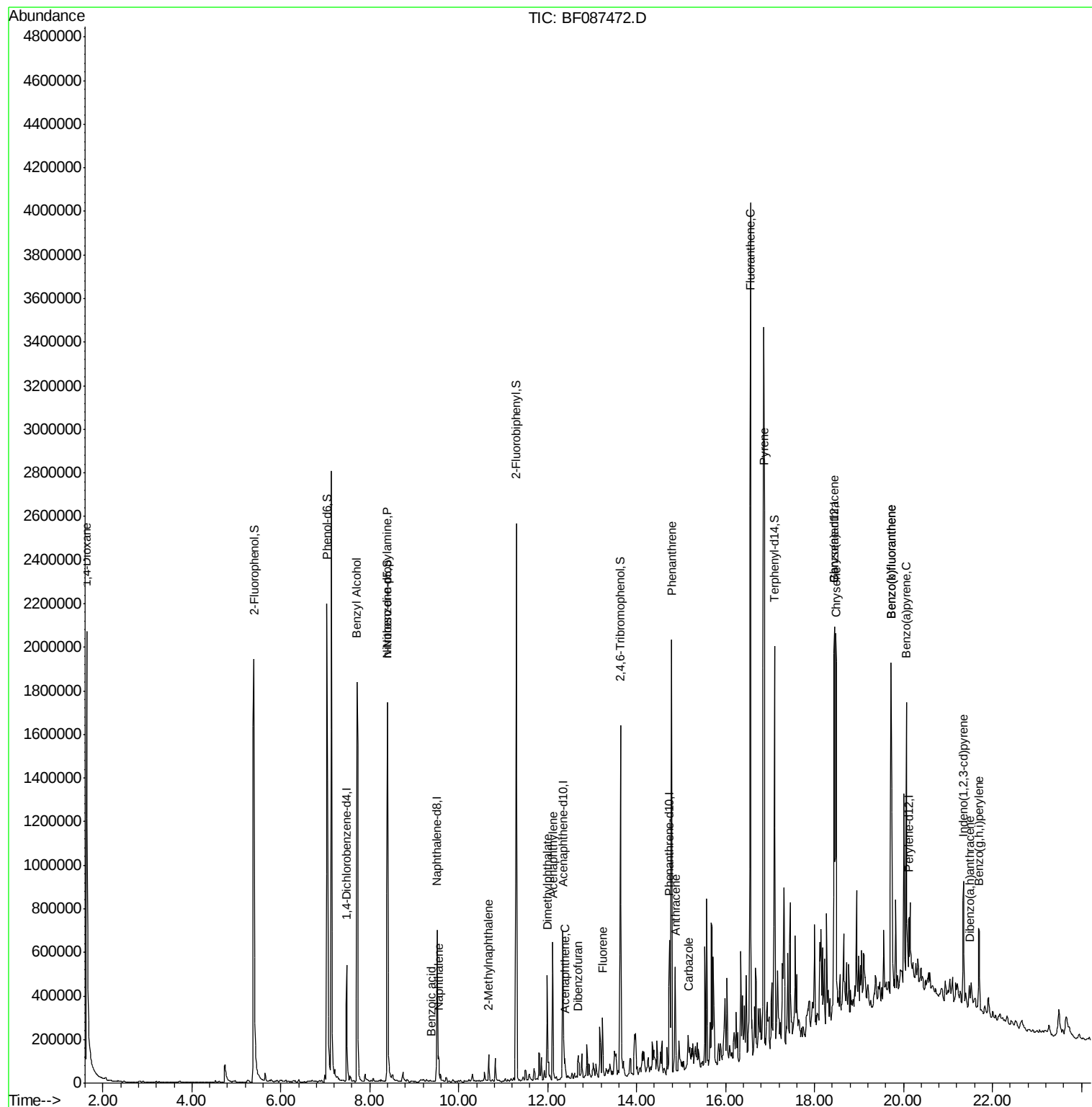
Target Compounds						Qvalue
2) 1,4-Dioxane	1.63	88	73438	22.22	ng	# 22
15) Benzyl Alcohol	7.71	79	13712	2.22	ng	# 48
19) n-Nitroso-di-n-propylamine	8.40	70	104065	16.48	ng	# 73
31) Naphthalene	9.54	128	78822	3.60	ng	98
32) Benzoic acid	9.38	122	554	5.97	ng	# 31
37) 2-Methylnaphthalene	10.67	142	43030	3.14	ng	95
48) Acenaphthylene	12.11	152	400941	20.73	ng	98
49) Dimethylphthalate	11.99	163	214713	14.13	ng	99
51) Acenaphthene	12.39	154	29462	2.48	ng	94
54) Dibenzofuran	12.69	168	47617	2.96	ng	95
57) Fluorene	13.23	166	101616	7.28	ng	96
70) Phenanthrene	14.79	178	1232857	72.67	ng	99
71) Anthracene	14.87	178	289715	16.90	ng	98
72) Carbazole	15.17	167	104395	7.14	ng	99
74) Fluoranthene	16.56	202	2202281	129.45	ng	97
77) Pyrene	16.87	202	2017425	127.22	ng	100
80) Benzo(a)anthracene	18.45	228	949791	75.80	ng	96
82) Chrysene	18.49	228	966359	77.70	ng	95
85) Indeno(1,2,3-cd)pyrene	21.35	276	337367	33.84	ng	# 85
87) Benzo(b)fluoranthene	19.73	252	1344524	125.54	ng	# 95
88) Benzo(k)fluoranthene	19.73	252	1344524	145.85	ng	98
89) Benzo(a)pyrene	20.07	252	562738	60.75	ng	97
90) Dibenzo(a,h)anthracene	21.49	278	66379	8.40	ng	94
91) Benzo(g,h,i)perylene	21.70	276	298910	38.35	ng	# 90

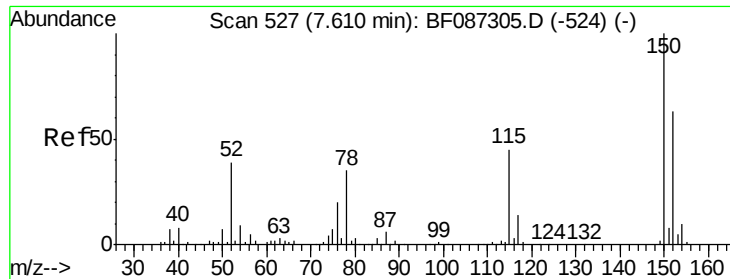
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
Data File : BF087472.D
Acq On : 28 May 2016 7:45
Operator : UM/SJ
Sample : H3190-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1685(0-4)

Quant Time: May 30 00:56:46 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.48 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1685(0-4)

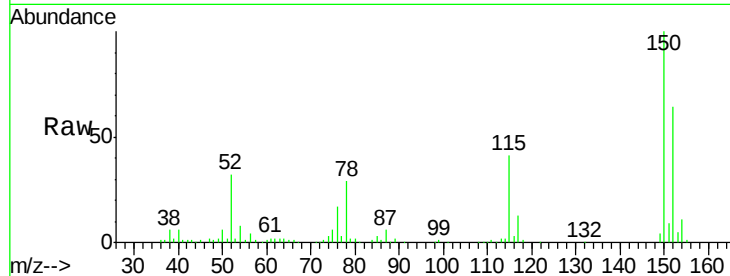
Tgt Ion: 152 Resp: 110080

Ion Ratio Lower Upper

152 100

150 156.8 125.8 188.6

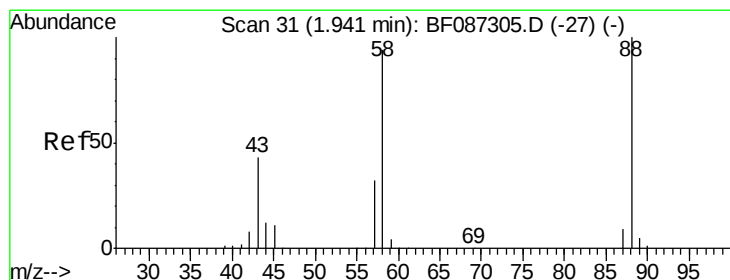
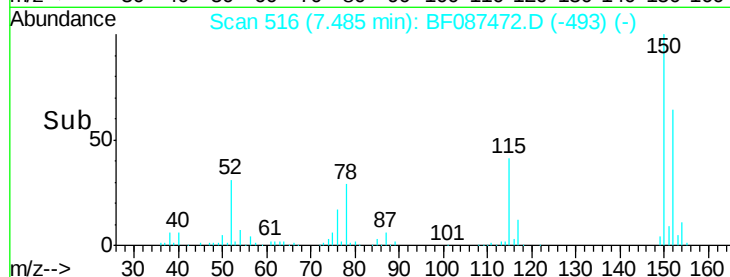
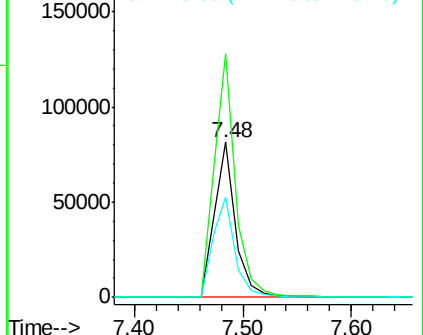
115 64.3 51.5 77.3



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: 22.22 ng

RT: 1.63 min Scan# 4

Delta R.T. -0.18 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

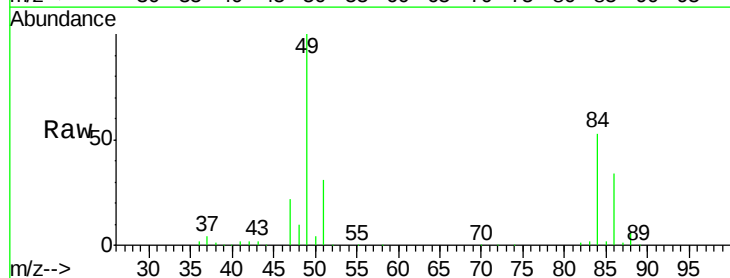
Tgt Ion: 88 Resp: 73438

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

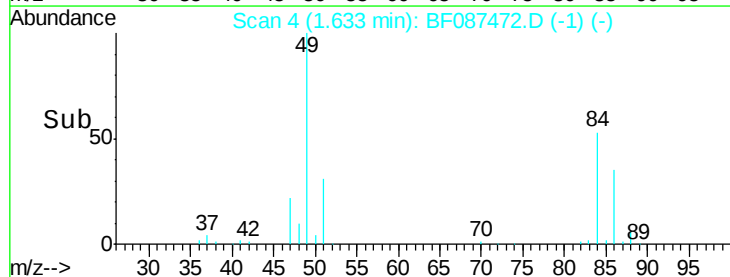
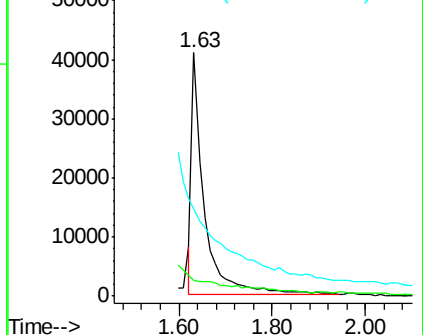
43 0.0 21.8 32.6#



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: 136.41 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.02 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1685(0-4)

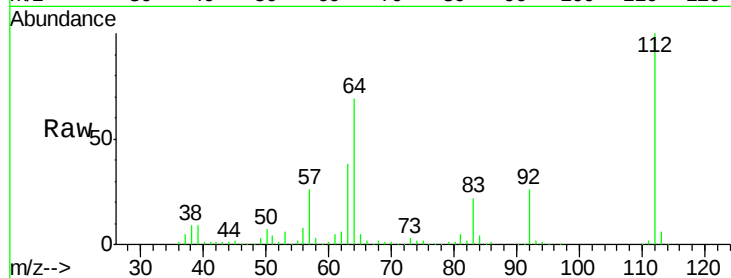
Tgt Ion: 112 Resp: 854563

Ion Ratio Lower Upper

112 100

64 68.7 52.1 78.1

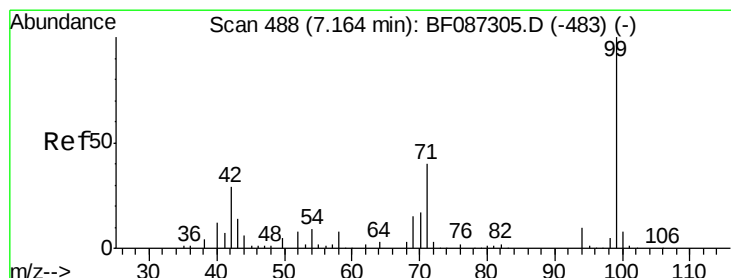
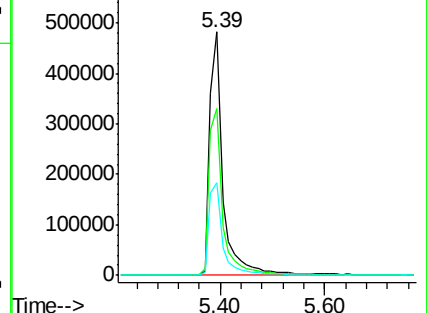
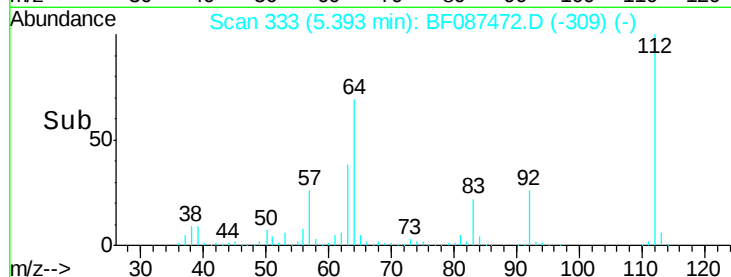
63 38.1 25.7 38.5



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: 133.12 ng

RT: 7.04 min Scan# 477

Delta R.T. -0.03 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

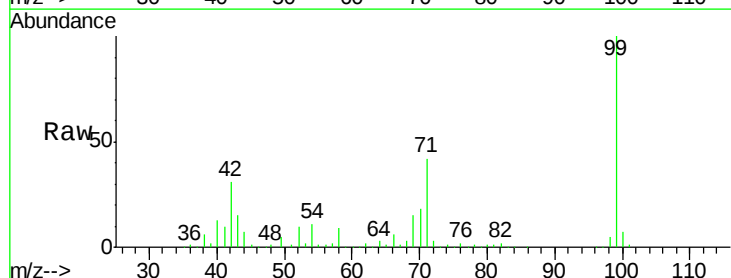
Tgt Ion: 99 Resp: 1126890

Ion Ratio Lower Upper

99 100

42 31.3 13.6 20.4#

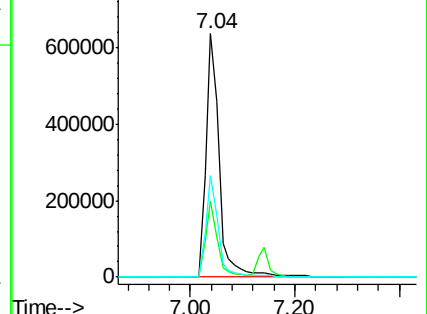
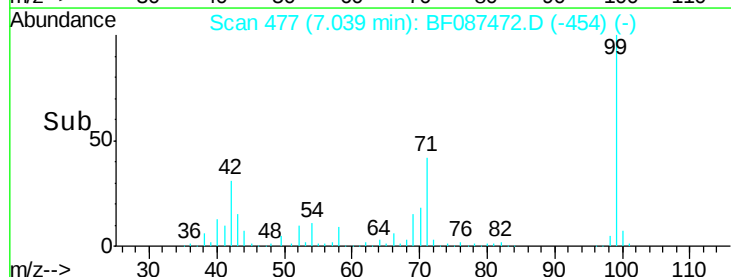
71 41.7 24.6 36.8#

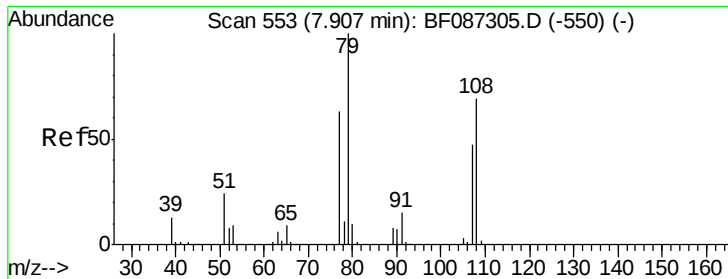


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.22 ng

RT: 7.71 min Scan# 536

Delta R.T. -0.10 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1685(0-4)

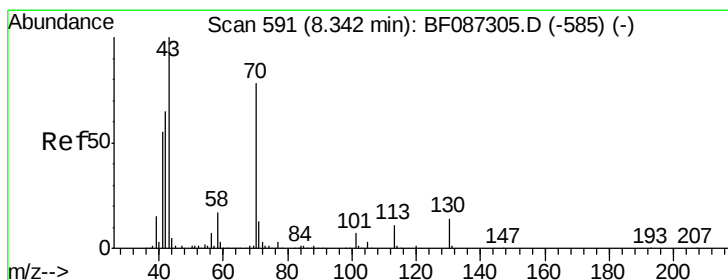
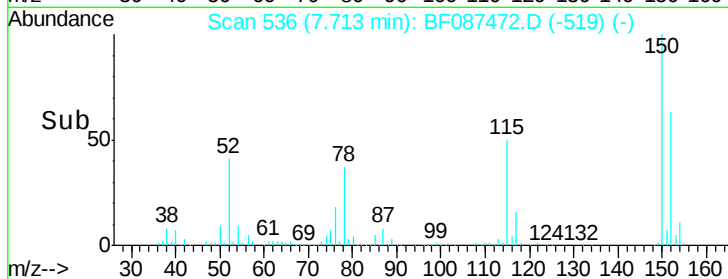
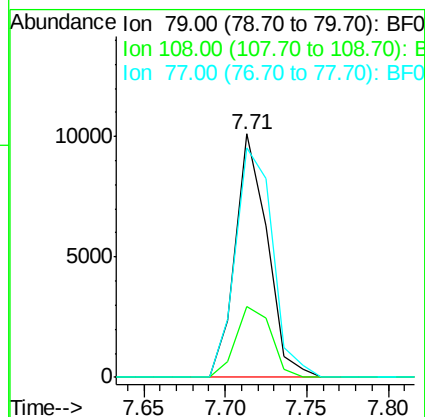
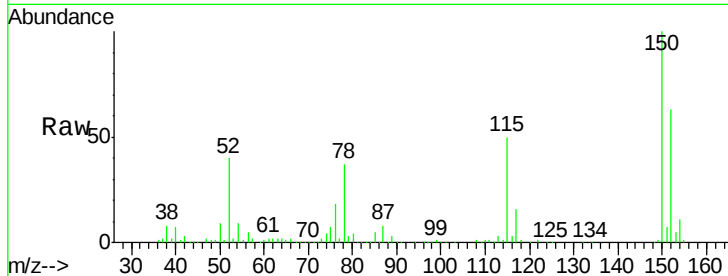
Tgt Ion: 79 Resp: 13712

Ion Ratio Lower Upper

79 100

108 29.1 68.4 102.6#

77 94.5 50.6 76.0#



#19

n-Nitroso-di-n-propylamine

Concen: 16.48 ng

RT: 8.40 min Scan# 596

Delta R.T. 0.15 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

Tgt Ion: 70 Resp: 104065

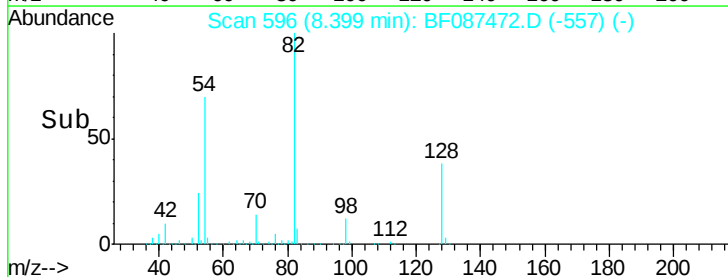
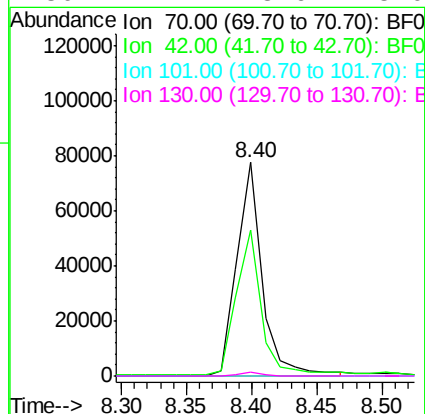
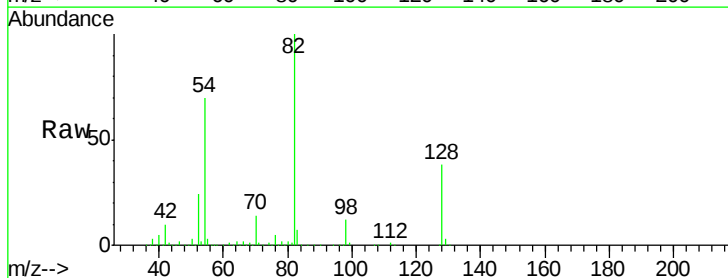
Ion Ratio Lower Upper

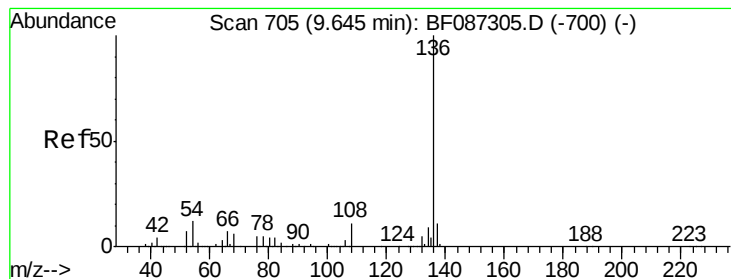
70 100

42 68.1 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.05 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1685(0-4)

Tgt Ion: 136 Resp: 437535

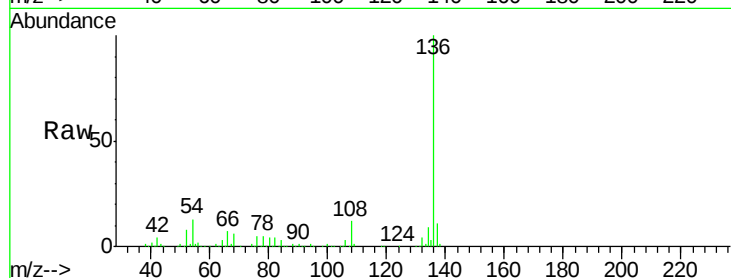
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 13.2 5.0 7.4#

68 6.1 4.4 6.6

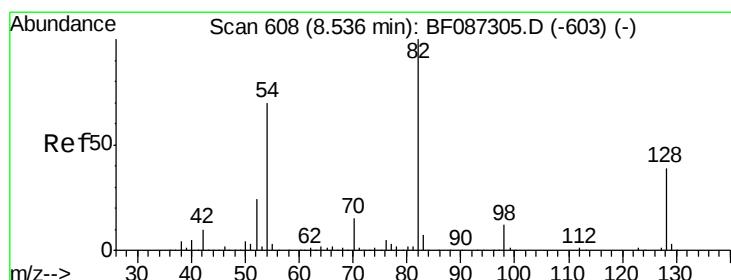
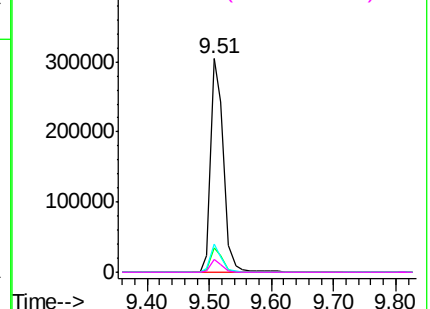
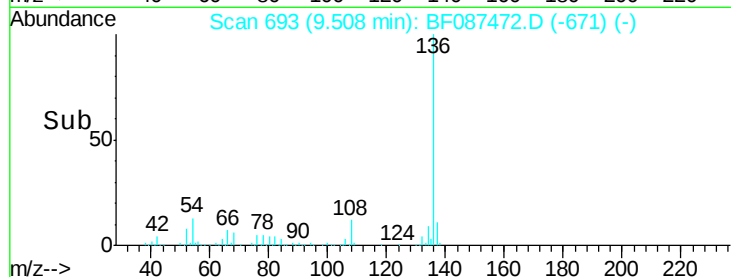


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 86.03 ng

RT: 8.40 min Scan# 596

Delta R.T. -0.05 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

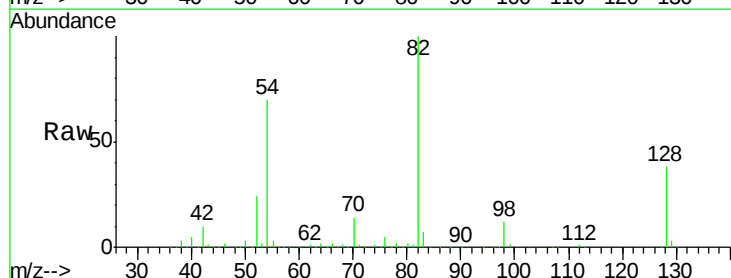
Tgt Ion: 82 Resp: 746884

Ion Ratio Lower Upper

82 100

128 38.1 40.6 61.0#

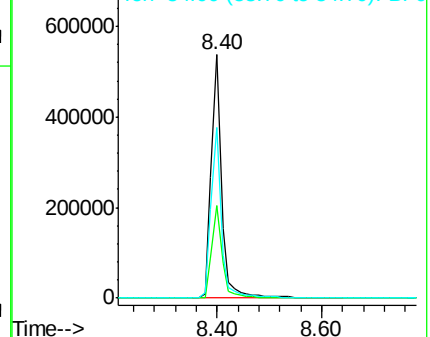
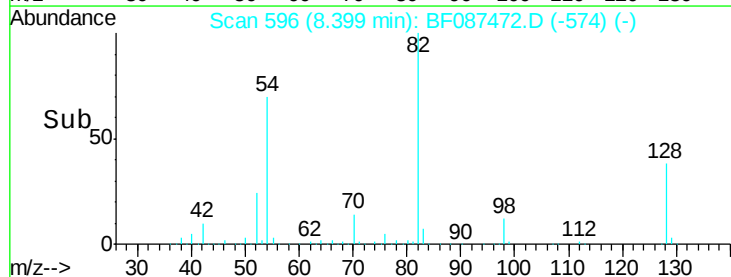
54 70.3 38.1 57.1#

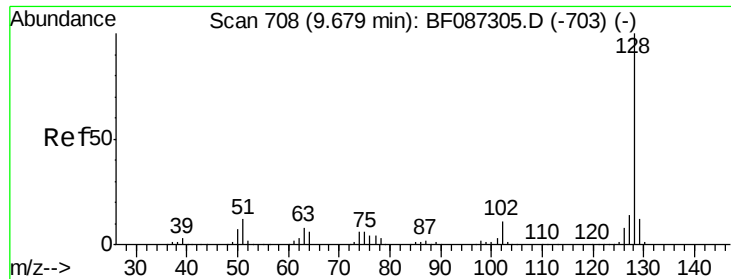


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

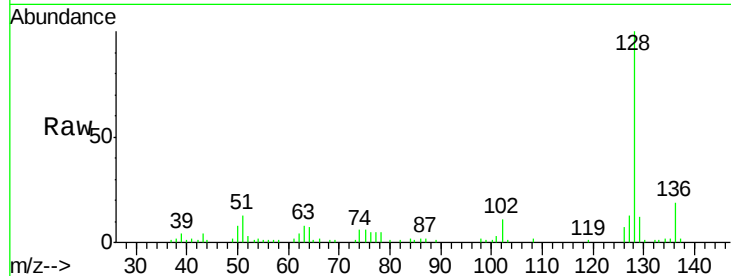




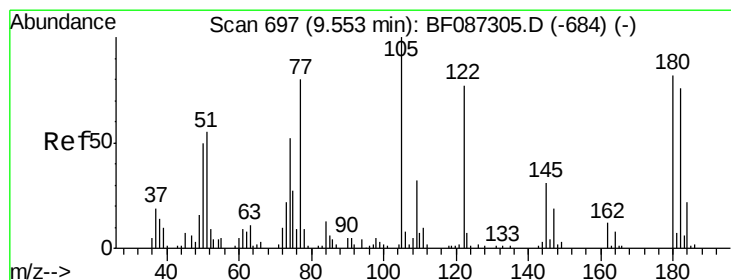
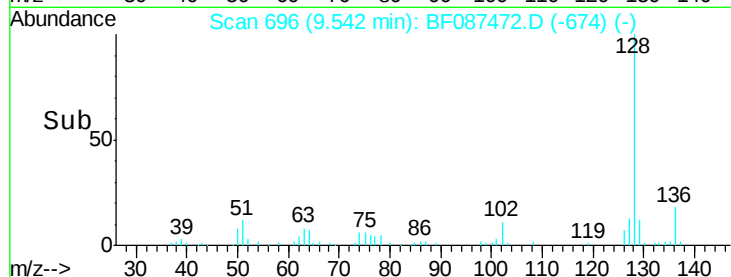
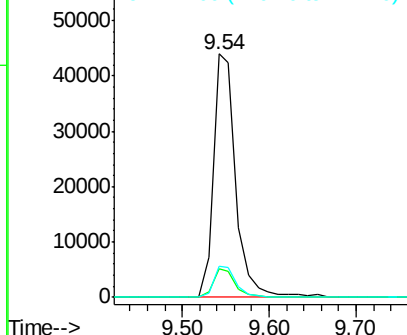
#31
Naphthalene
Concen: 3.60 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.05 min
Lab File: BF087472.D
Acq: 28 May 2016 7:45

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1685(0-4)

Tgt Ion:128 Resp: 78822
Ion Ratio Lower Upper
128 100
129 11.5 8.6 13.0
127 12.5 10.8 16.2

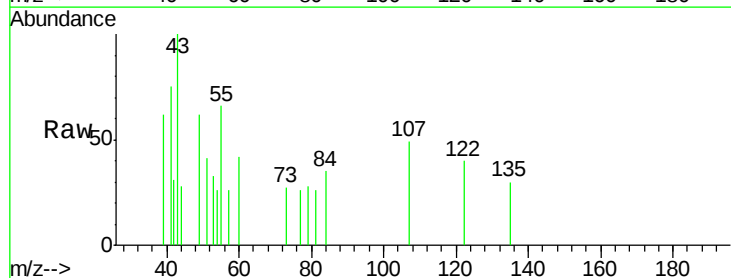


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

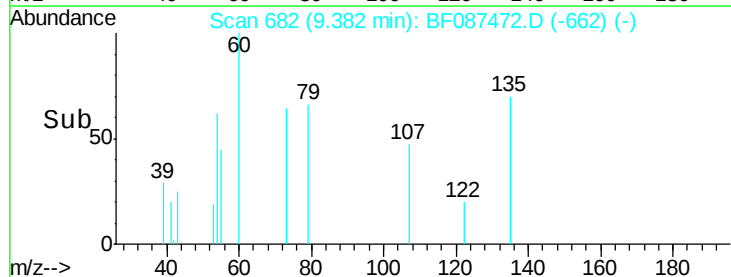
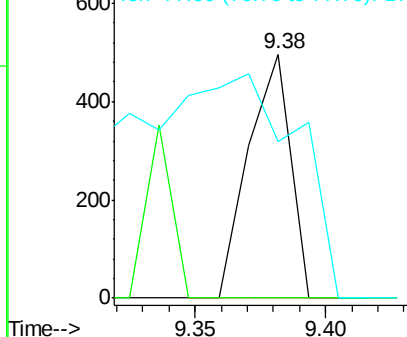


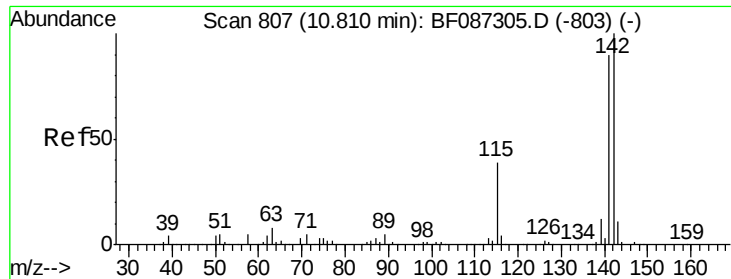
#32
Benzoic acid
Concen: 5.97 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.07 min
Lab File: BF087472.D
Acq: 28 May 2016 7:45

Tgt Ion:122 Resp: 554
Ion Ratio Lower Upper
122 100
105 0.0 92.6 132.6#
77 64.5 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

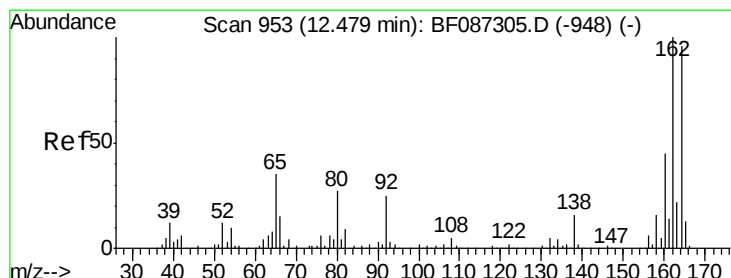
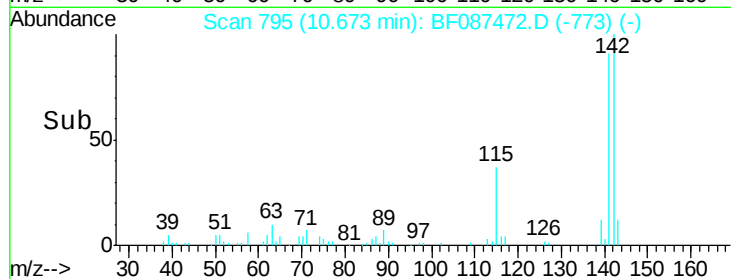
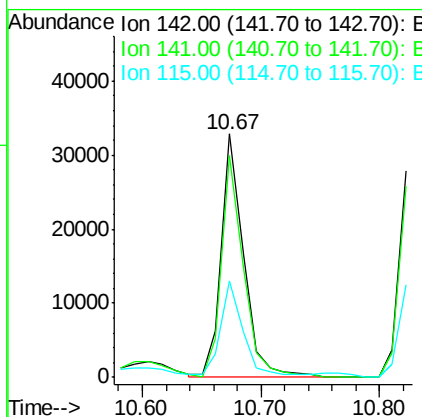
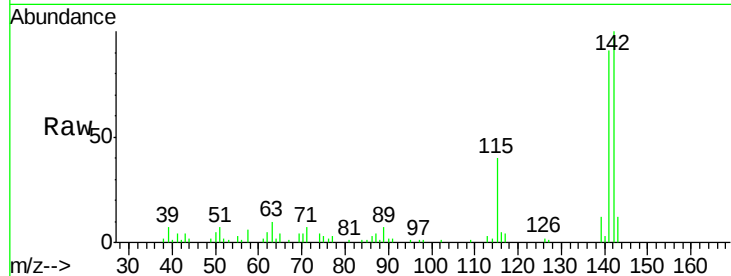




#37
2-Methylnaphthalene
Concen: 3.14 ng
RT: 10.67 min Scan# 795
Delta R.T. -0.05 min
Lab File: BF087472.D
Acq: 28 May 2016 7:45

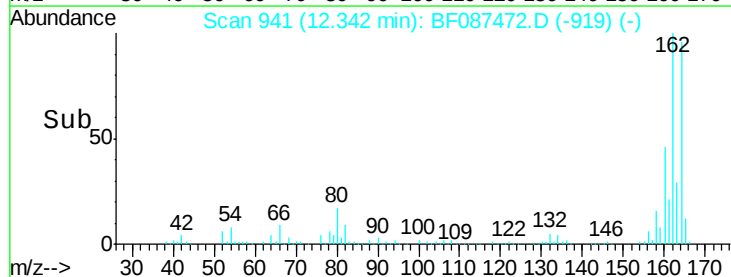
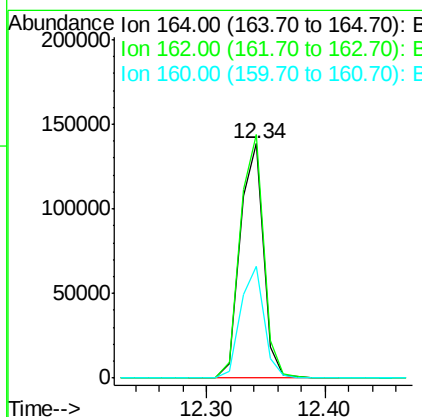
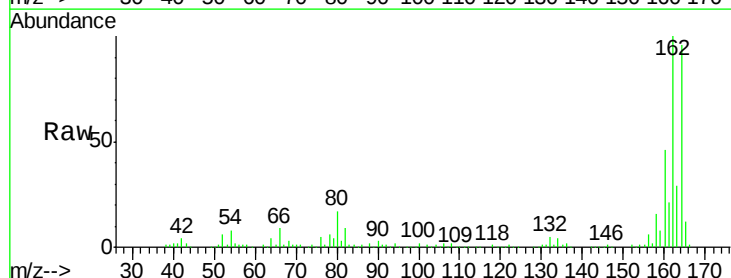
Instrument :
BNA_F
ClientSampleId :
CHS-STA-1685(0-4)

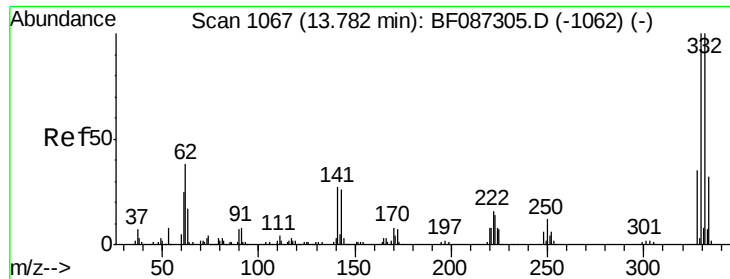
Tgt Ion:142 Resp: 43030
Ion Ratio Lower Upper
142 100
141 91.2 71.0 106.6
115 39.6 26.6 39.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.34 min Scan# 941
Delta R.T. -0.05 min
Lab File: BF087472.D
Acq: 28 May 2016 7:45

Tgt Ion:164 Resp: 189668
Ion Ratio Lower Upper
164 100
162 103.9 82.8 124.2
160 47.7 36.9 55.3

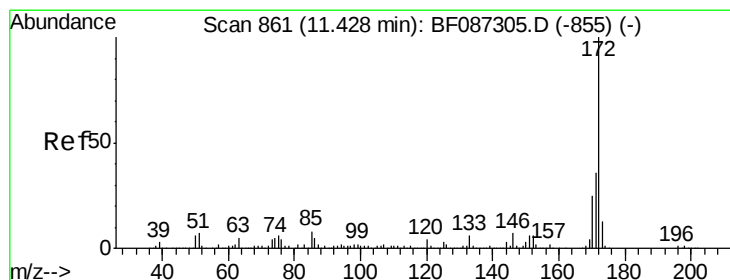
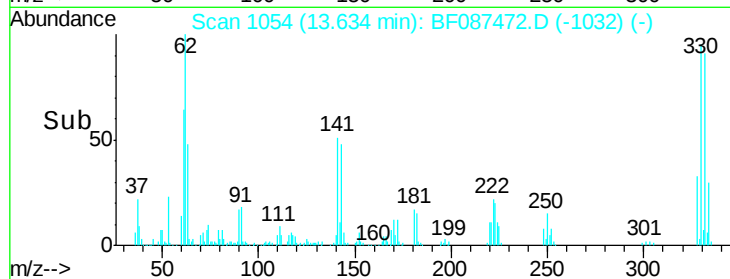
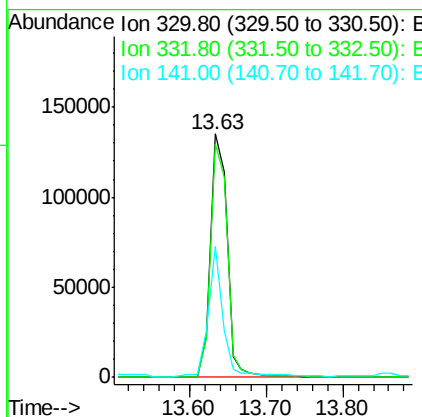
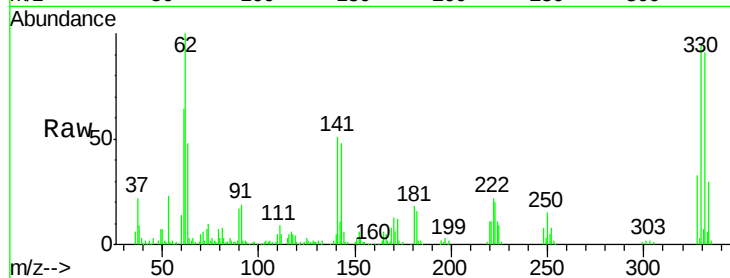




#41
 2,4,6-Tribromophenol
 Concen: 111.79 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. -0.05 min
 Lab File: BF087472.D
 Acq: 28 May 2016 7:45

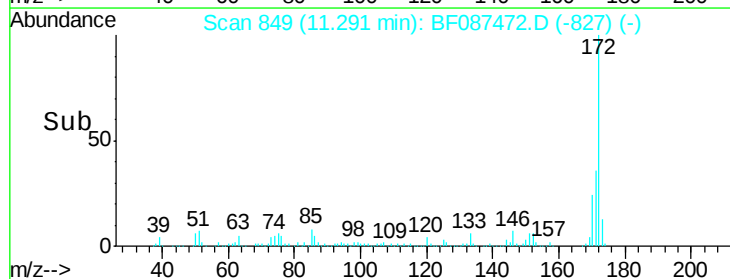
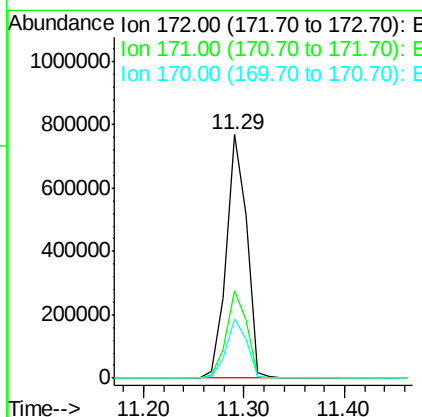
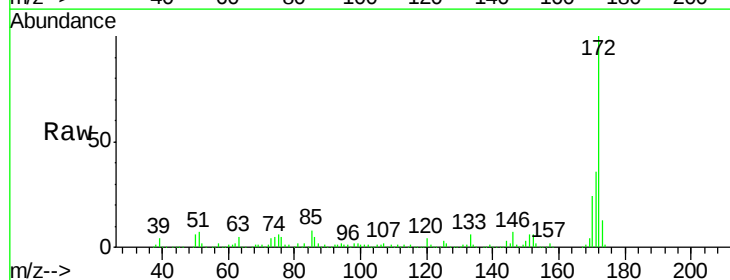
Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1685(0-4)

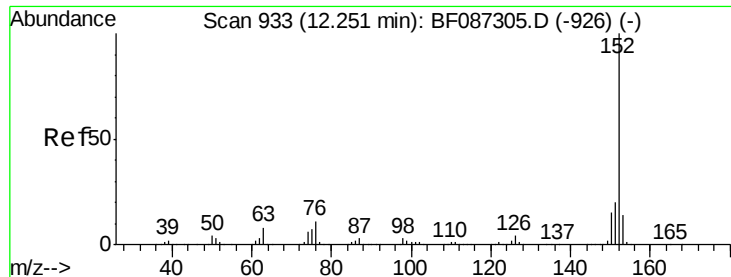
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	79.0	118.4
141	47.1	31.2	46.8#



#44
 2-Fluorobiphenyl
 Concen: 80.88 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.05 min
 Lab File: BF087472.D
 Acq: 28 May 2016 7:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.6
170	24.2	19.8	29.8

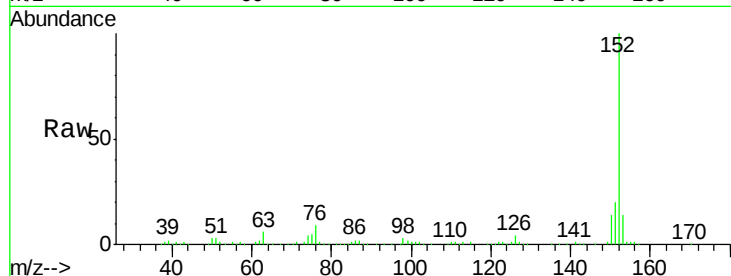




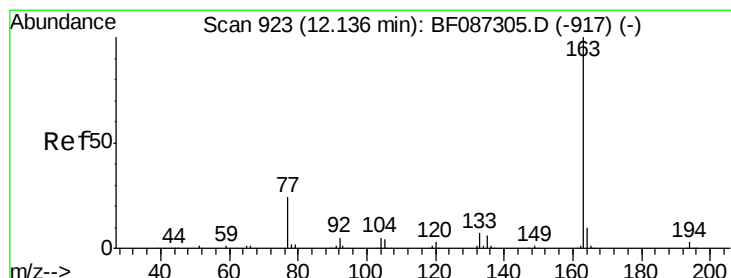
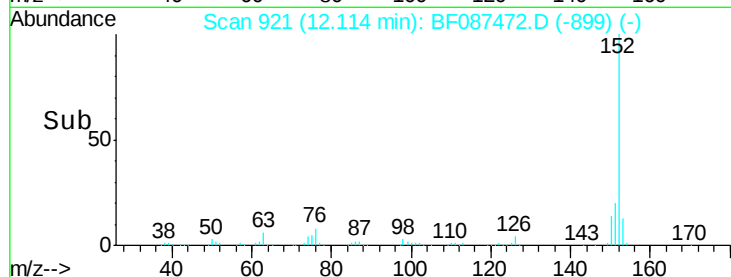
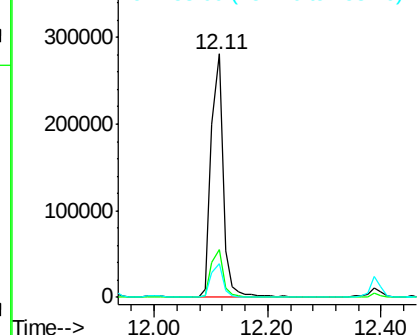
#48
Acenaphthylene
Concen: 20.73 ng
RT: 12.11 min Scan# 921
Delta R.T. -0.05 min
Lab File: BF087472.D
Acq: 28 May 2016 7:45

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1685(0-4)

Tgt Ion:152 Resp: 400941
Ion Ratio Lower Upper
152 100
151 19.6 16.8 25.2
153 13.6 10.9 16.3

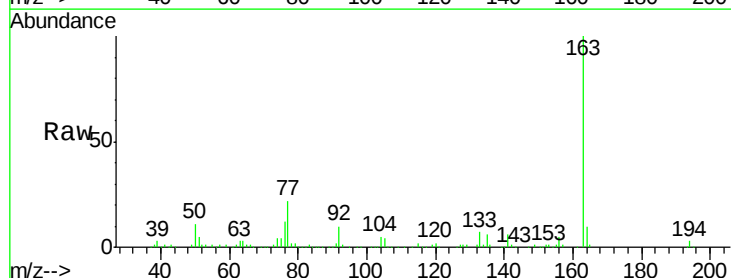


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

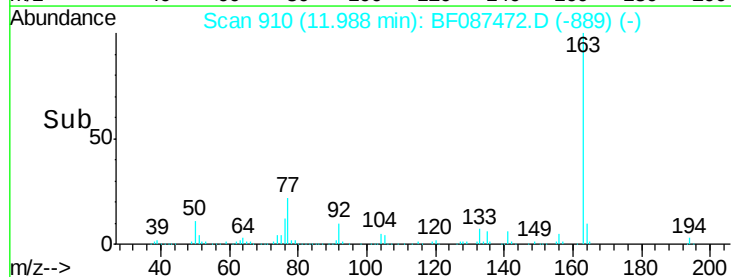
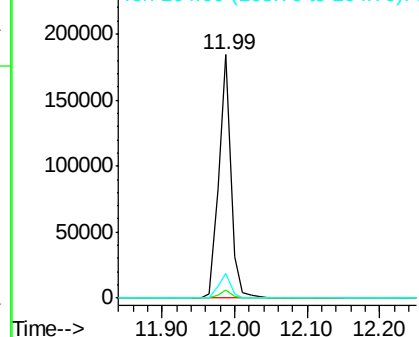


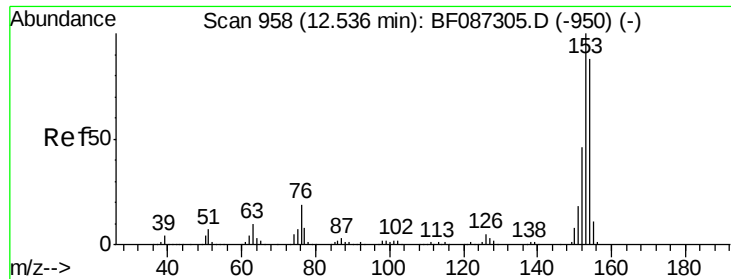
#49
Dimethylphthalate
Concen: 14.13 ng
RT: 11.99 min Scan# 910
Delta R.T. -0.06 min
Lab File: BF087472.D
Acq: 28 May 2016 7:45

Tgt Ion:163 Resp: 214713
Ion Ratio Lower Upper
163 100
194 3.1 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





#51

Acenaphthene

Concen: 2.48 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.05 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1685(0-4)

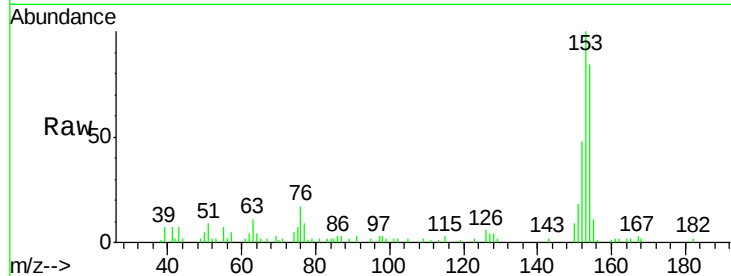
Tgt Ion:154 Resp: 29462

Ion Ratio Lower Upper

154 100

153 119.4 89.8 134.6

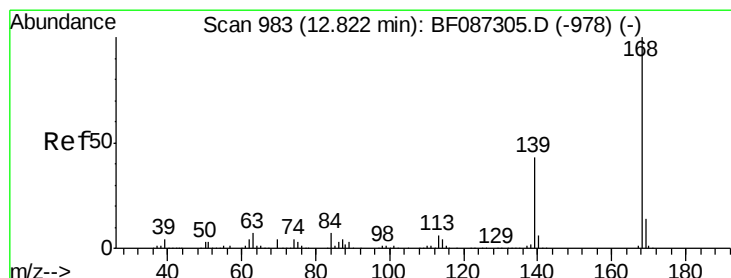
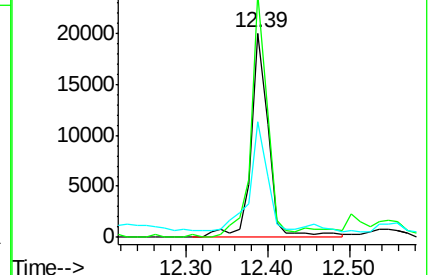
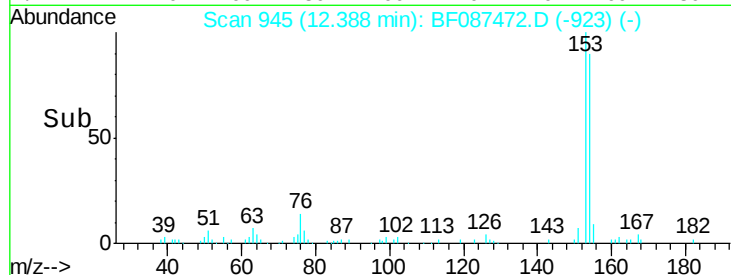
152 56.9 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.96 ng

RT: 12.69 min Scan# 971

Delta R.T. -0.03 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

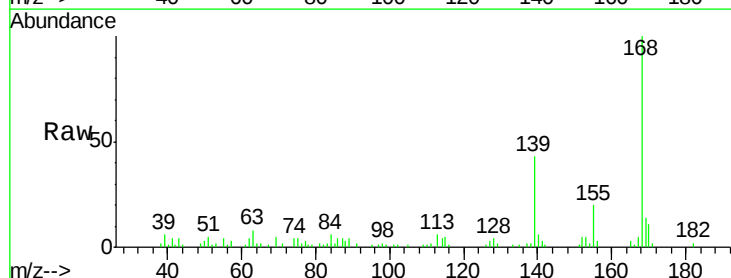
Tgt Ion:168 Resp: 47617

Ion Ratio Lower Upper

168 100

139 42.6 31.4 47.0

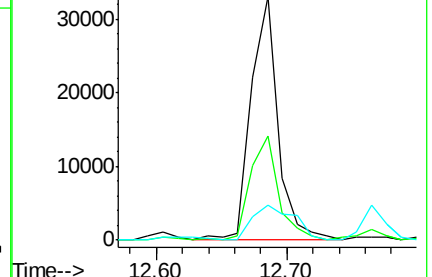
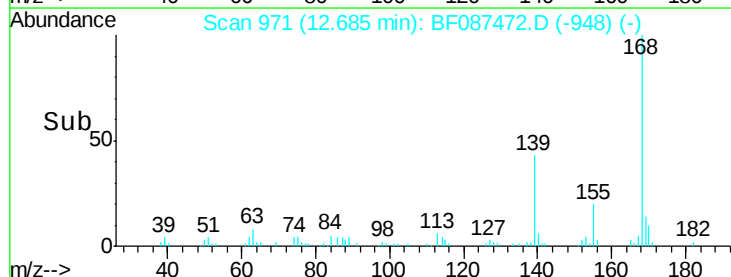
169 14.5 10.7 16.1

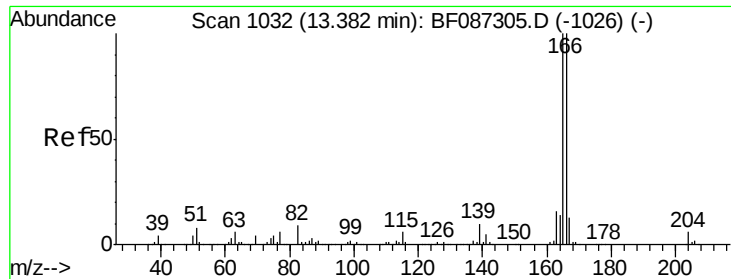


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

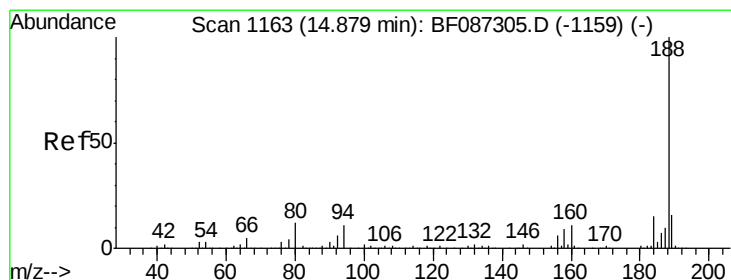
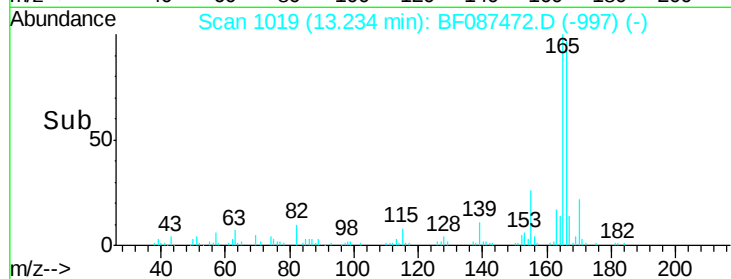
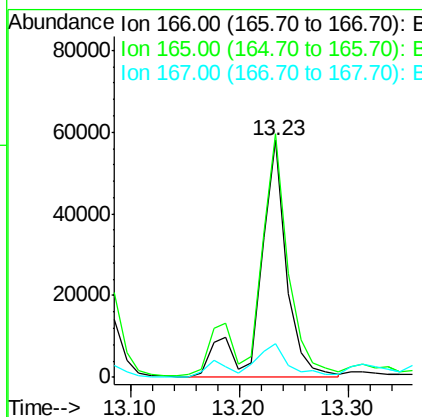
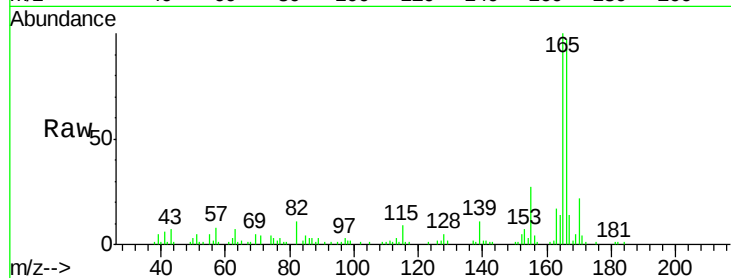




#57
 Fluorene
 Concen: 7.28 ng
 RT: 13.23 min Scan# 1019
 Delta R.T. -0.05 min
 Lab File: BF087472.D
 Acq: 28 May 2016 7:45

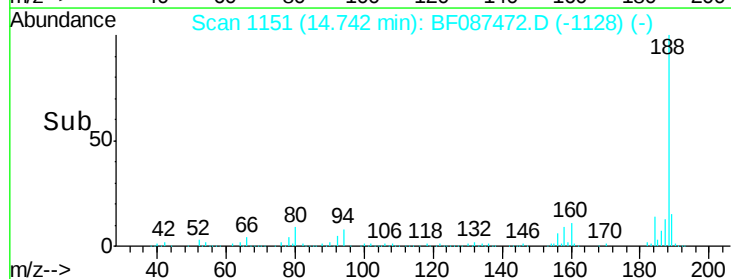
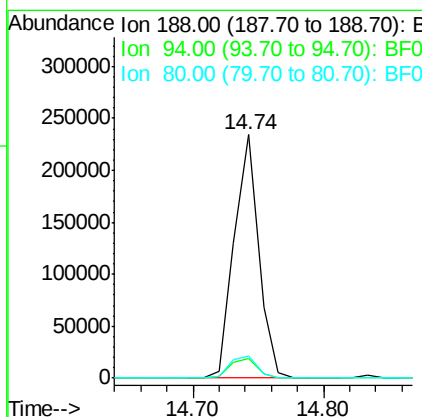
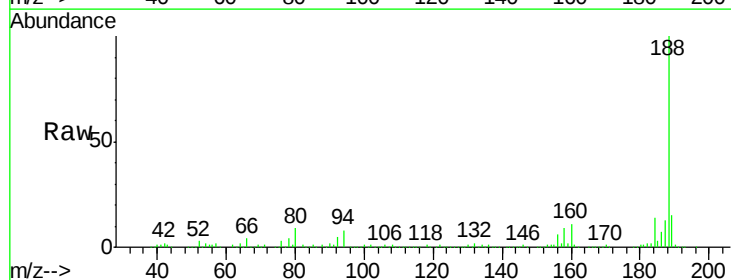
Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1685(0-4)

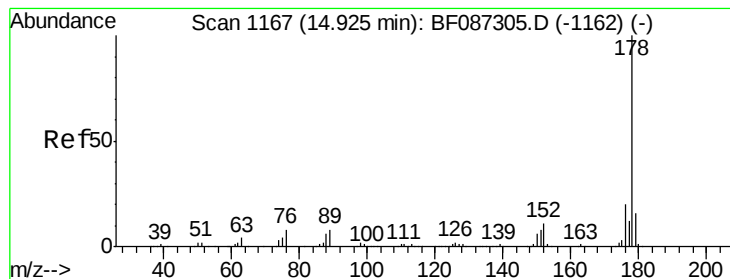
Tgt Ion:166 Resp: 101616
 Ion Ratio Lower Upper
 166 100
 165 102.8 79.0 118.6
 167 14.1 10.6 15.8



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.74 min Scan# 1151
 Delta R.T. -0.03 min
 Lab File: BF087472.D
 Acq: 28 May 2016 7:45

Tgt Ion:188 Resp: 306287
 Ion Ratio Lower Upper
 188 100
 94 8.2 6.8 10.2
 80 9.3 7.1 10.7





#70

Phenanthrene

Concen: 72.67 ng

RT: 14.79 min Scan# 1155

Delta R.T. -0.03 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1685(0-4)

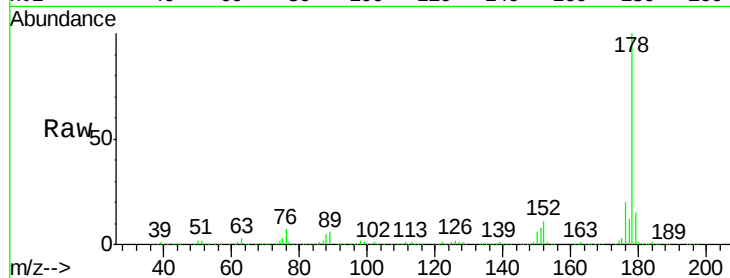
Tgt Ion:178 Resp: 1232857

Ion Ratio Lower Upper

178 100

176 19.8 16.0 24.0

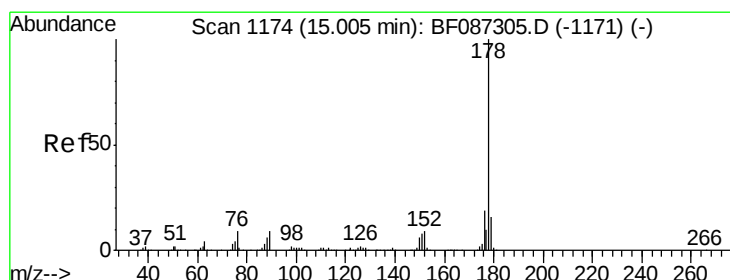
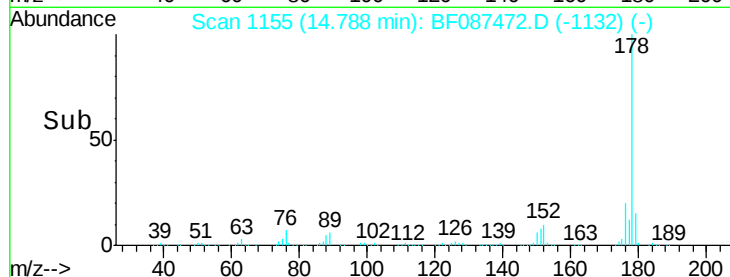
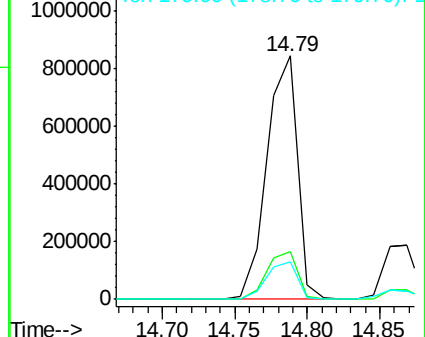
179 15.4 12.6 18.8



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: 16.90 ng

RT: 14.87 min Scan# 1162

Delta R.T. -0.03 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

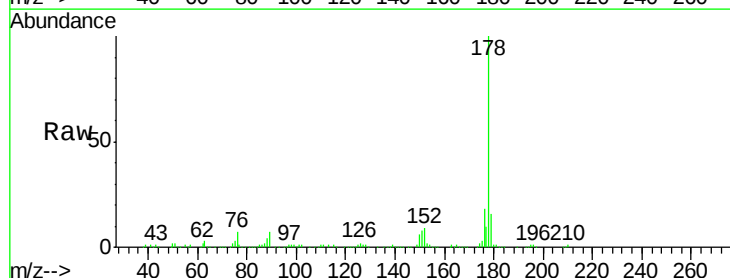
Tgt Ion:178 Resp: 289715

Ion Ratio Lower Upper

178 100

176 18.1 15.6 23.4

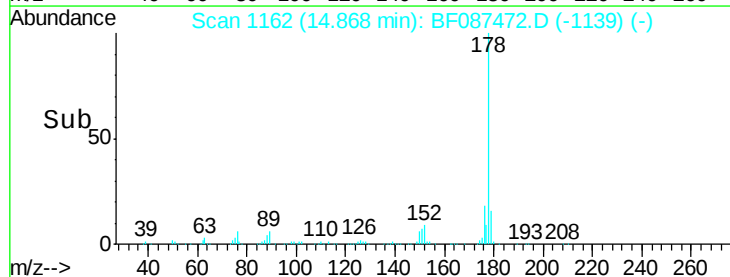
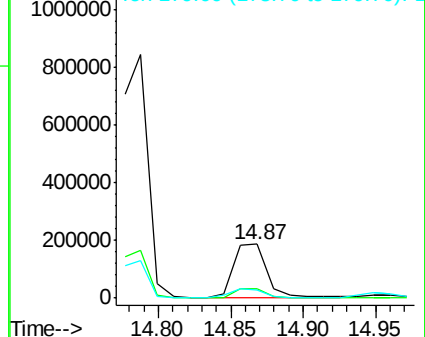
179 16.0 12.7 19.1

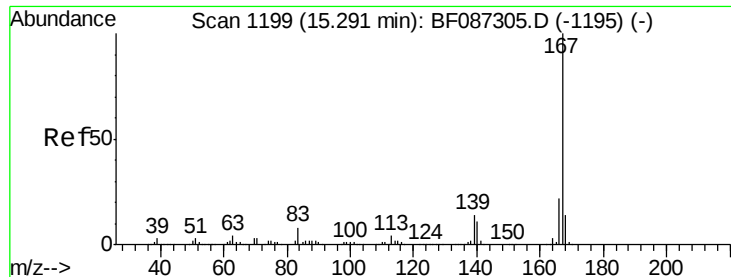


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 7.14 ng

RT: 15.17 min Scan# 1188

Delta R.T. -0.02 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1685(0-4)

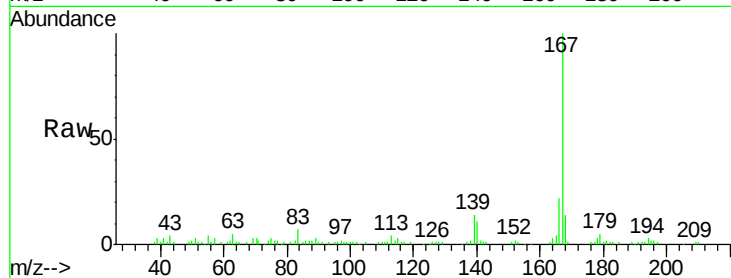
Tgt Ion:167 Resp: 104395

Ion Ratio Lower Upper

167 100

166 21.9 17.7 26.5

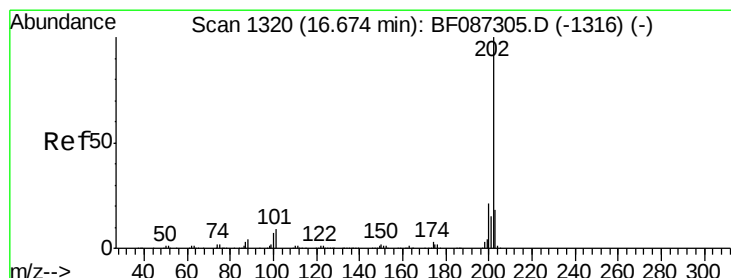
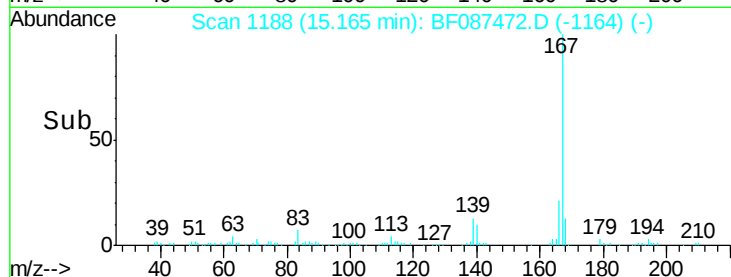
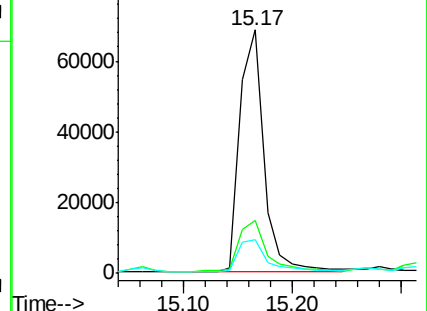
139 13.9 10.8 16.2



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: 129.45 ng

RT: 16.56 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

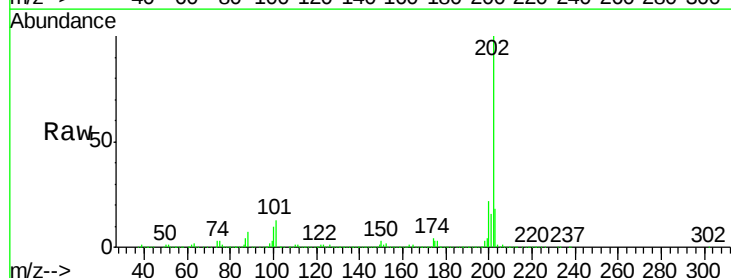
Tgt Ion:202 Resp: 2202281

Ion Ratio Lower Upper

202 100

101 12.8 0.0 35.4

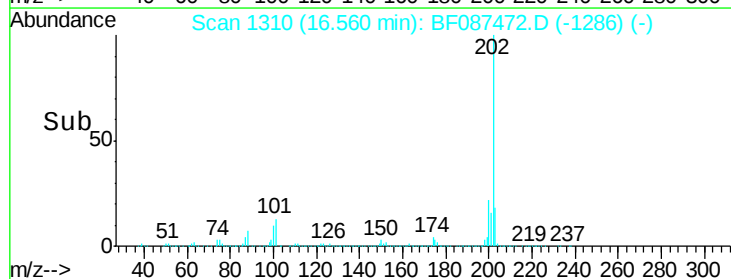
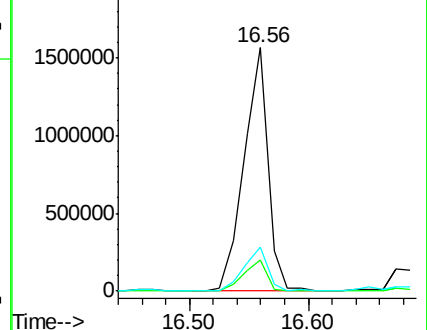
203 18.2 0.0 38.1

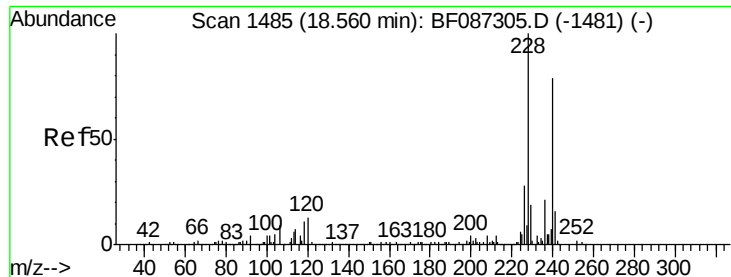


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

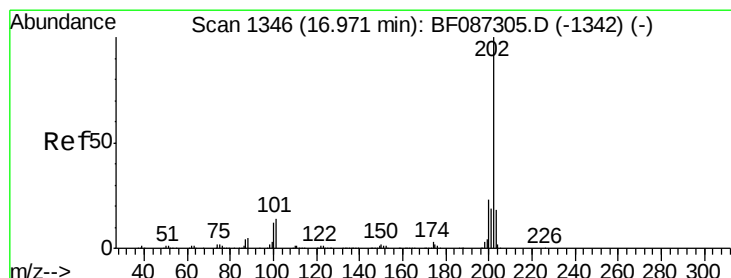
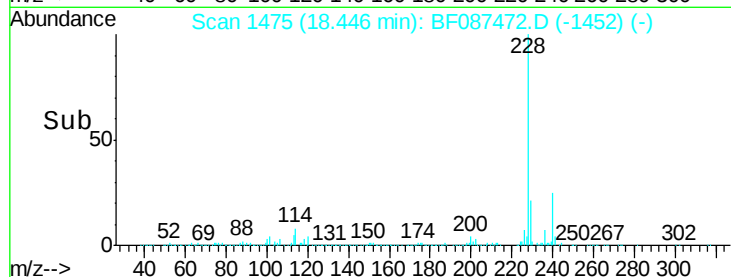
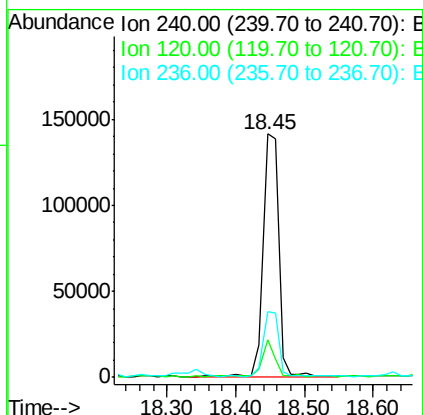
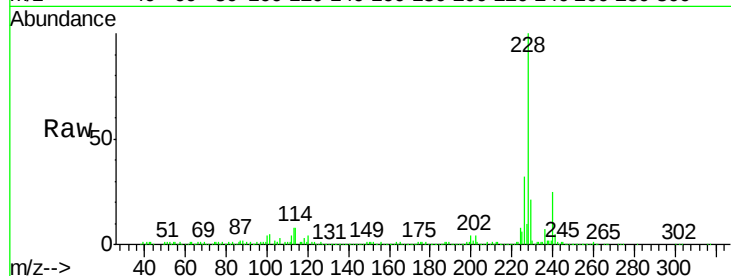




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.45 min Scan# 1475
Delta R.T. -0.03 min
Lab File: BF087472.D
Acq: 28 May 2016 7:45

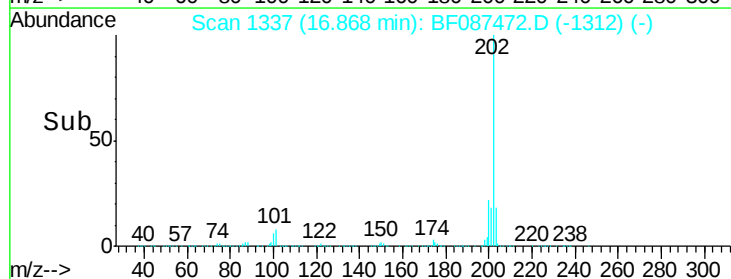
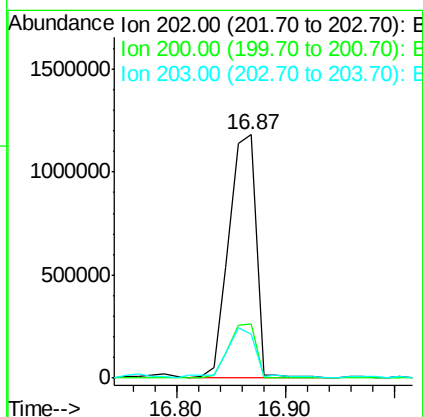
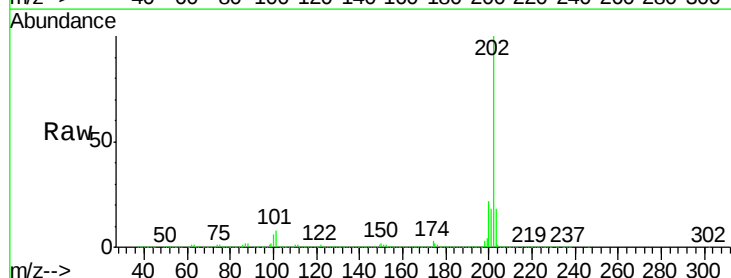
Instrument :
BNA_F
ClientSampleId :
CHS-STA-1685(0-4)

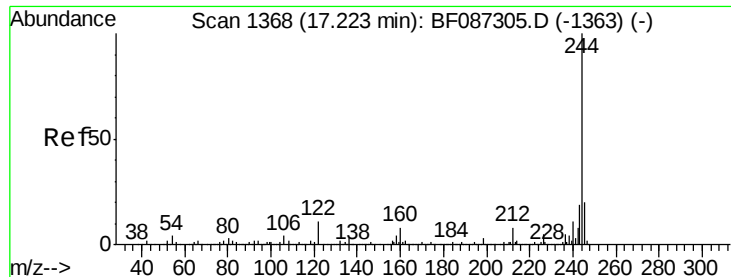
Tgt Ion:240 Resp: 220299
Ion Ratio Lower Upper
240 100
120 15.4 11.2 16.8
236 26.7 21.2 31.8



#77
Pyrene
Concen: 127.22 ng
RT: 16.87 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF087472.D
Acq: 28 May 2016 7:45

Tgt Ion:202 Resp: 2017425
Ion Ratio Lower Upper
202 100
200 22.2 17.7 26.5
203 17.9 14.2 21.4





#78

Terphenyl-d14

Concen: 65.30 ng

RT: 17.10 min Scan# 1357

Delta R.T. -0.03 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1685(0-4)

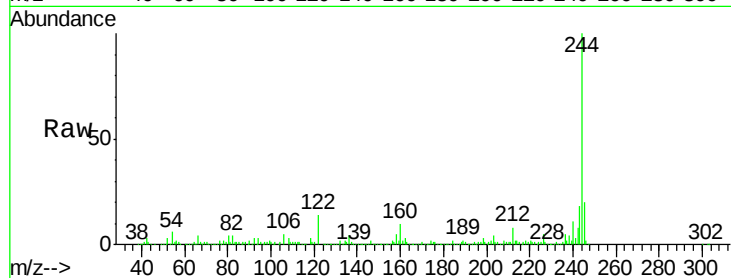
Tgt Ion:244 Resp: 676691

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

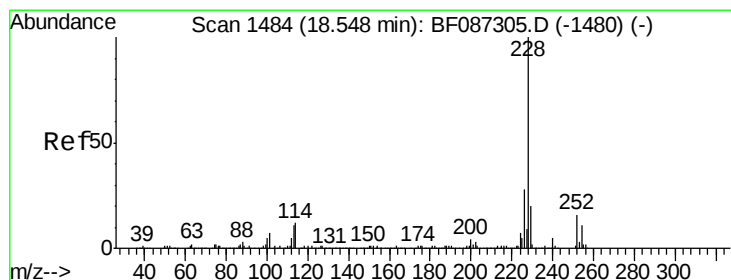
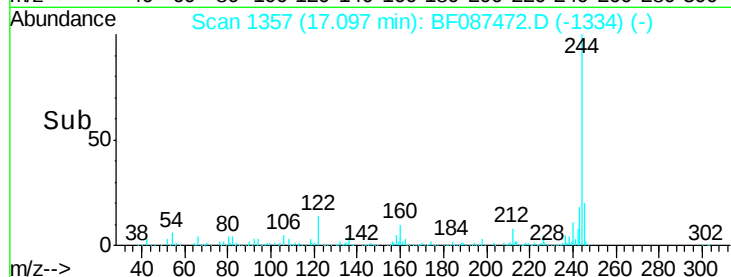
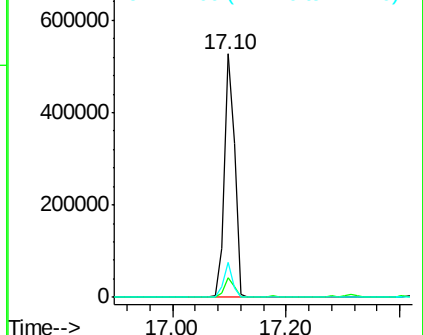
122 14.3 12.0 18.0



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: 75.80 ng

RT: 18.45 min Scan# 1475

Delta R.T. -0.01 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

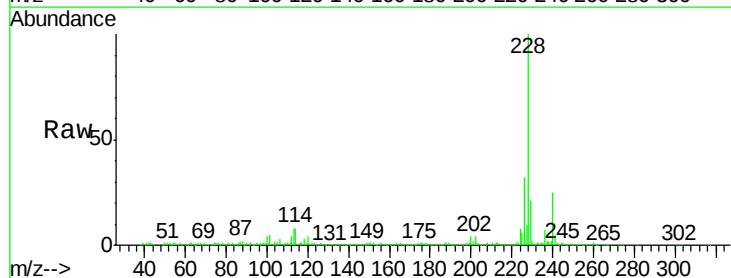
Tgt Ion:228 Resp: 949791

Ion Ratio Lower Upper

228 100

226 32.0 22.5 33.7

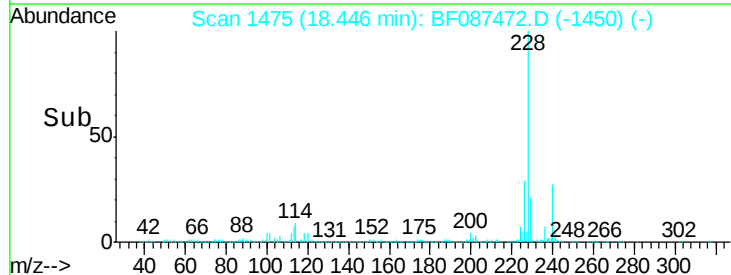
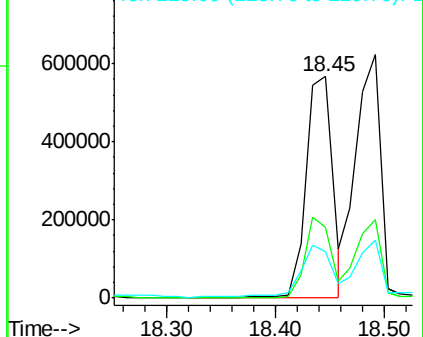
229 21.0 16.6 25.0

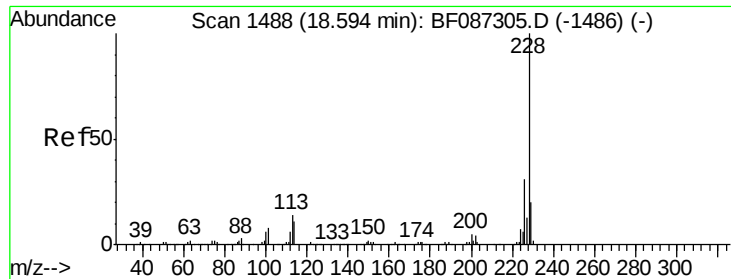


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 77.70 ng

RT: 18.49 min Scan# 1479

Delta R.T. -0.02 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1685(0-4)

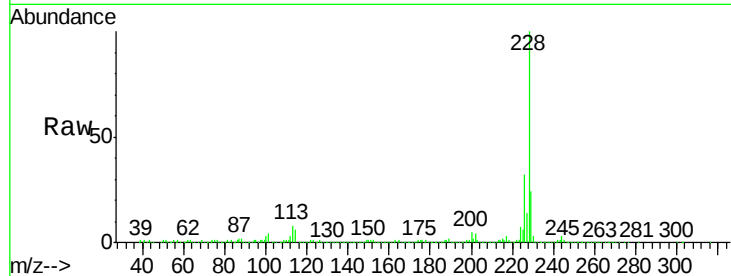
Tgt Ion: 228 Resp: 966359

Ion Ratio Lower Upper

228 100

226 32.1 24.4 36.6

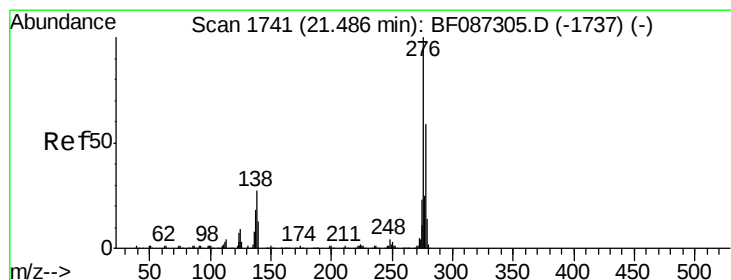
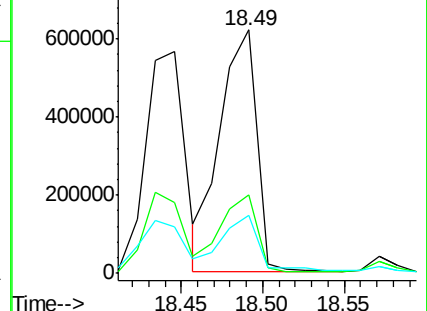
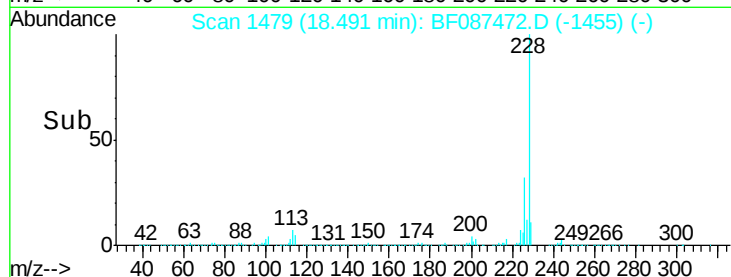
229 23.6 15.8 23.8



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: 33.84 ng

RT: 21.35 min Scan# 1729

Delta R.T. -0.01 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

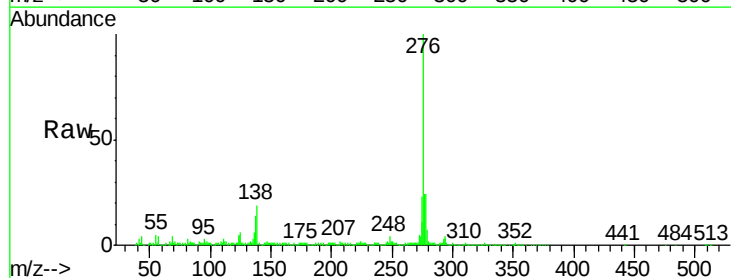
Tgt Ion: 276 Resp: 337367

Ion Ratio Lower Upper

276 100

138 20.1 25.6 38.4#

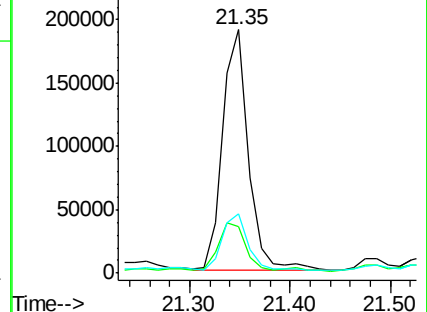
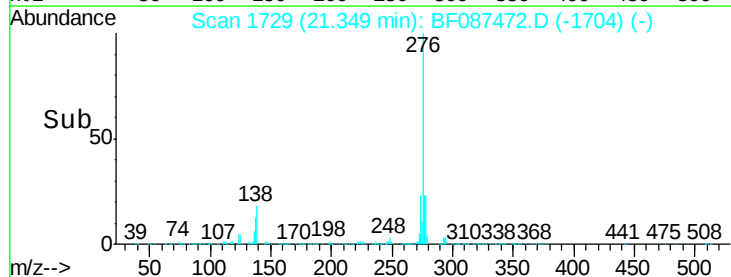
277 22.3 20.5 30.7

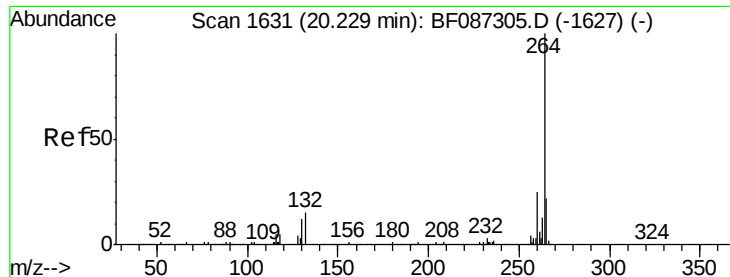


Abundance Ion 276.00 (275.70 to 276.70): E

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: BF087472.D

Acq: 28 May 2016 7:45

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1685(0-4)

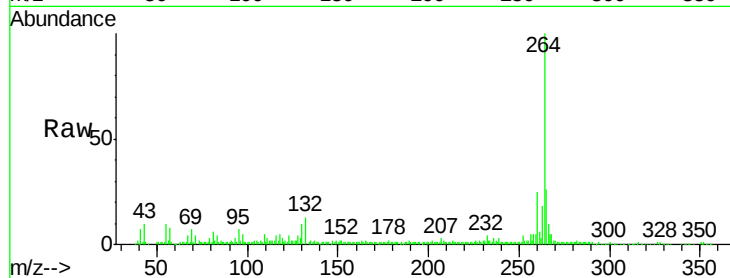
Tgt Ion:264 Resp: 168136

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

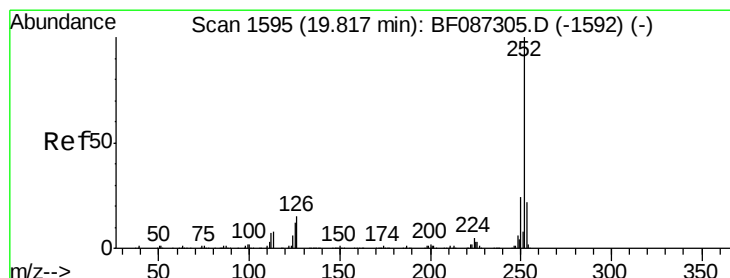
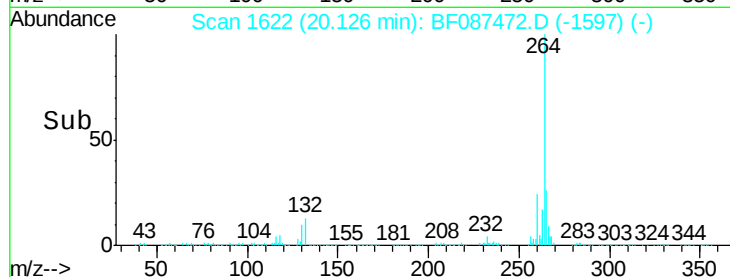
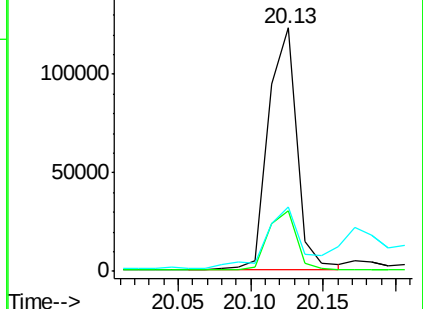
265 26.4 17.3 25.9#



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: 125.54 ng

RT: 19.73 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

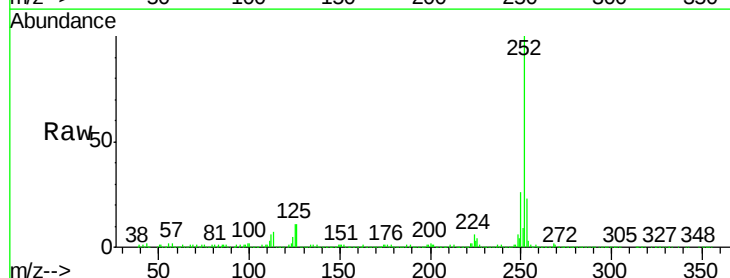
Tgt Ion:252 Resp: 1344524

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

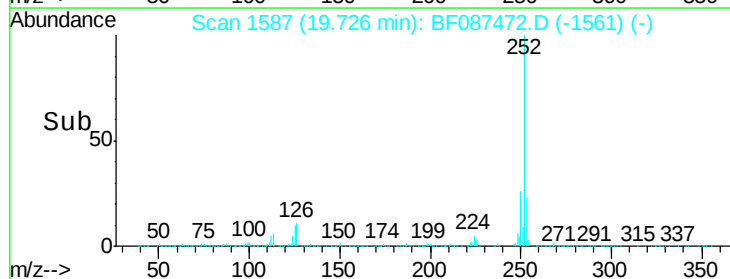
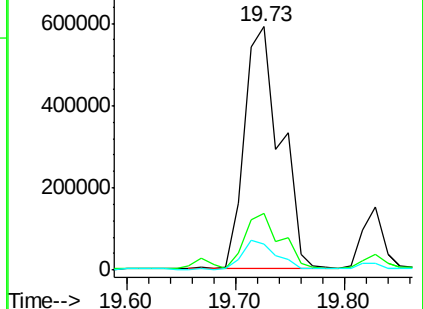
125 10.6 11.4 17.0#

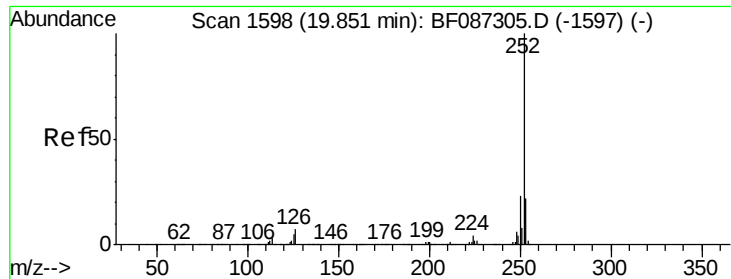


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

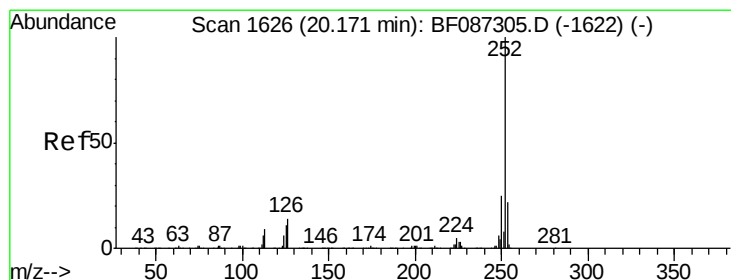
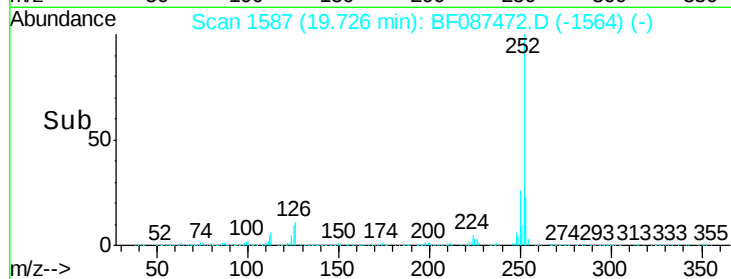
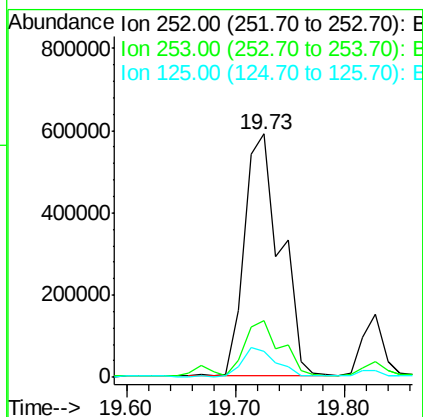
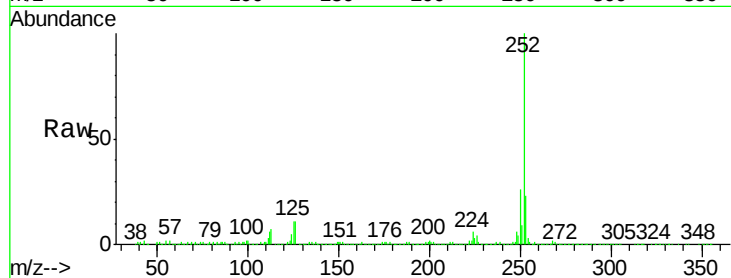




#88
Benzo(k)fluoranthene
Concen: 145.85 ng
RT: 19.73 min Scan# 1587
Delta R.T. -0.03 min
Lab File: BF087472.D
Acq: 28 May 2016 7:45

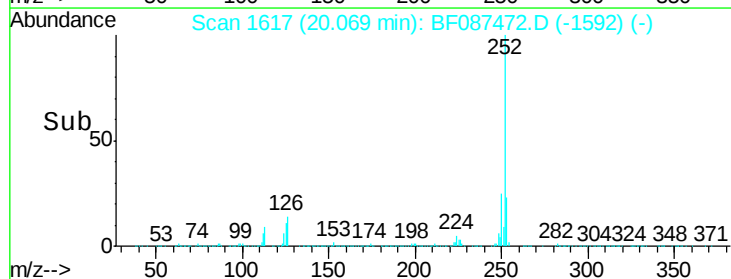
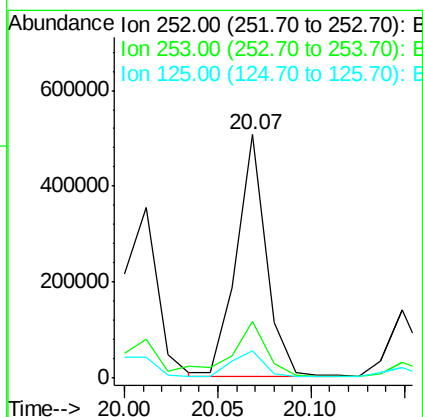
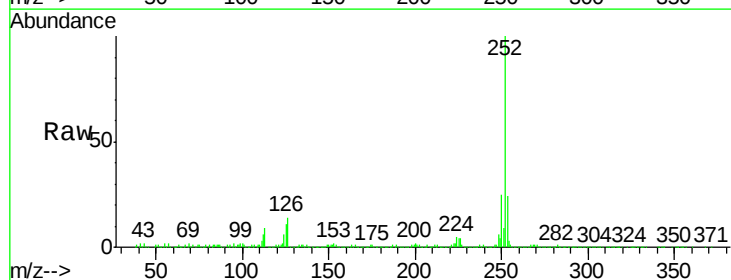
Instrument :
BNA_F
ClientSampleId :
CHS-STA-1685(0-4)

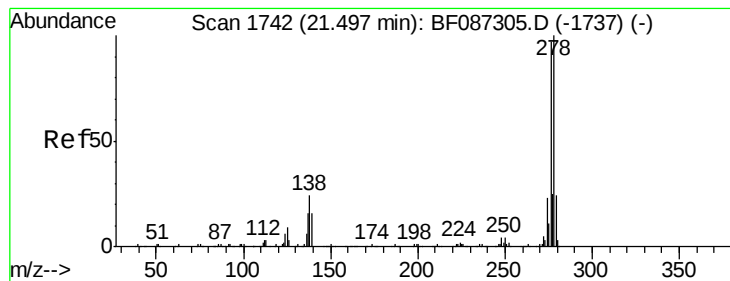
Tgt Ion:252 Resp: 1344524
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 10.6 9.1 13.7



#89
Benzo(a)pyrene
Concen: 60.75 ng
RT: 20.07 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BF087472.D
Acq: 28 May 2016 7:45

Tgt Ion:252 Resp: 562738
Ion Ratio Lower Upper
252 100
253 23.5 17.2 25.8
125 11.0 9.0 13.6





#90

Dibenzo(a,h)anthracene

Concen: 8.40 ng

RT: 21.49 min Scan# 1741

Delta R.T. 0.13 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1685(0-4)

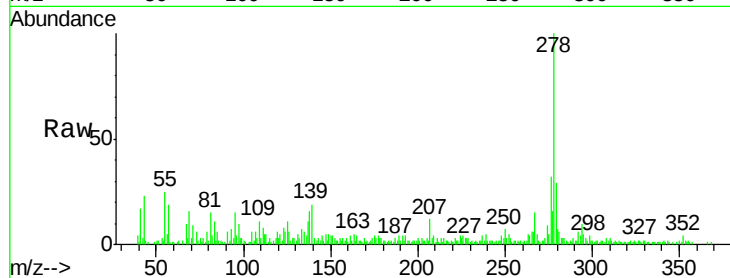
Tgt Ion: 278 Resp: 66379

Ion Ratio Lower Upper

278 100

139 19.3 16.6 24.8

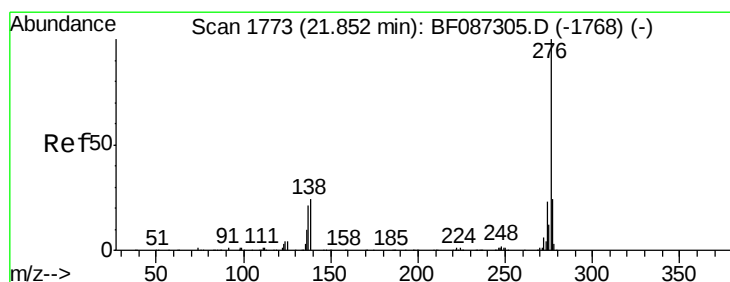
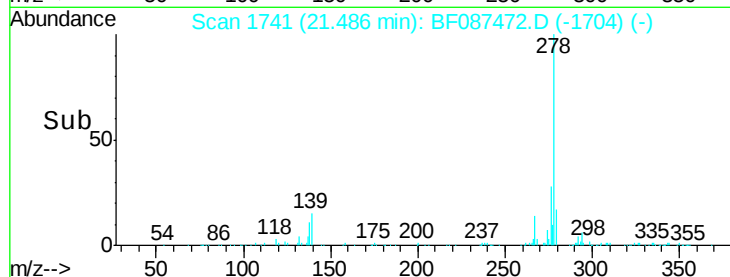
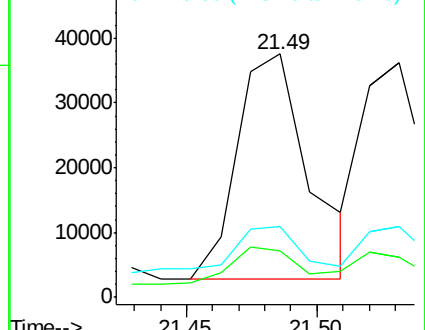
279 28.9 19.6 29.4



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: 38.35 ng

RT: 21.70 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF087472.D

Acq: 28 May 2016 7:45

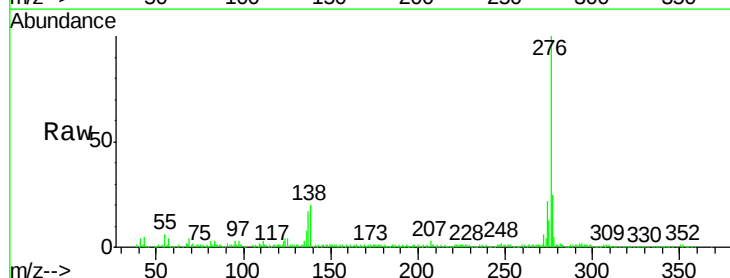
Tgt Ion: 276 Resp: 298910

Ion Ratio Lower Upper

276 100

277 24.9 19.6 29.4

138 19.6 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

