

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
 Data File : BF087471.D
 Acq On : 28 May 2016 7:11
 Operator : UM/SJ
 Sample : H3190-16
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1679(0-4)

Quant Time: May 30 00:56:24 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	108942	20.00	ng	-0.03
21) Naphthalene-d8	9.51	136	435096	20.00	ng	-0.05
38) Acenaphthene-d10	12.34	164	189914	20.00	ng	-0.05
63) Phenanthrene-d10	14.74	188	294971	20.00	ng	-0.03
75) Chrysene-d12	18.45	240	221954	20.00	ng	-0.03
86) Perylene-d12	20.13	264	177178	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	932004	150.33	ng	-0.02
7) Phenol-d6	7.04	99	1319634	157.52	ng	-0.03
23) Nitrobenzene-d5	8.40	82	859337	99.54	ng	-0.05
41) 2,4,6-Tribromophenol	13.63	330	222891	122.13	ng	-0.05
44) 2-Fluorobiphenyl	11.29	172	1293113	95.99	ng	-0.05
78) Terphenyl-d14	17.10	244	764587	73.24	ng	-0.03

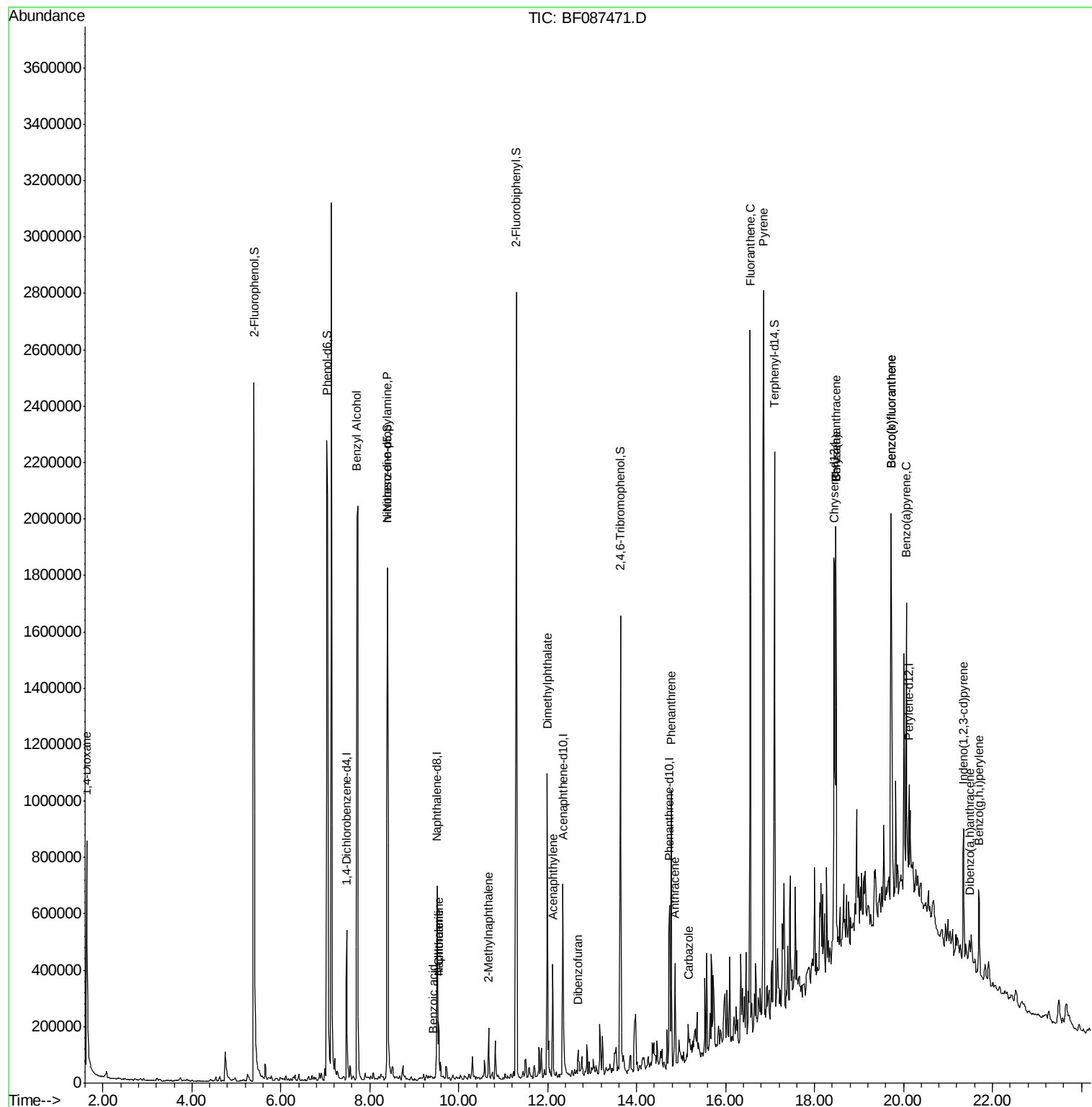
Target Compounds						Qvalue
2) 1,4-Dioxane	1.63	88	23753	7.26	ng	# 22
15) Benzyl Alcohol	7.71	79	17378	2.85	ng	# 45
19) n-Nitroso-di-n-propylamine	8.40	70	120826	19.34	ng	# 73
31) Naphthalene	9.54	128	133162	6.11	ng	99
32) Benzoic acid	9.43	122	487	5.95	ng	# 65
33) 4-Chloroaniline	9.54	127	17340	2.16	ng	# 40
37) 2-Methylnaphthalene	10.67	142	61450	4.51	ng	96
48) Acenaphthylene	12.11	152	238014	12.29	ng	99
49) Dimethylphthalate	11.99	163	475497	31.26	ng	100
54) Dibenzofuran	12.69	168	40992	2.54	ng	98
70) Phenanthrene	14.78	178	467793	28.63	ng	99
71) Anthracene	14.86	178	203306	12.32	ng	97
72) Carbazole	15.17	167	85732	6.09	ng	97
74) Fluoranthene	16.55	202	1443519	88.10	ng	97
77) Pyrene	16.86	202	1274584	79.78	ng	99
80) Benzo(a)anthracene	18.48	228	705311	55.87	ng	96
82) Chrysene	18.48	228	705421	56.30	ng	97
85) Indeno(1,2,3-cd)pyrene	21.35	276	268491	26.73	ng	# 86
87) Benzo(b)fluoranthene	19.73	252	1152017	102.07	ng	96
88) Benzo(k)fluoranthene	19.73	252	1152017	118.59	ng	99
89) Benzo(a)pyrene	20.07	252	457172	46.84	ng	97
90) Dibenzo(a,h)anthracene	21.49	278	50165	6.03	ng	95
91) Benzo(g,h,i)perylene	21.69	276	227174	27.66	ng	94

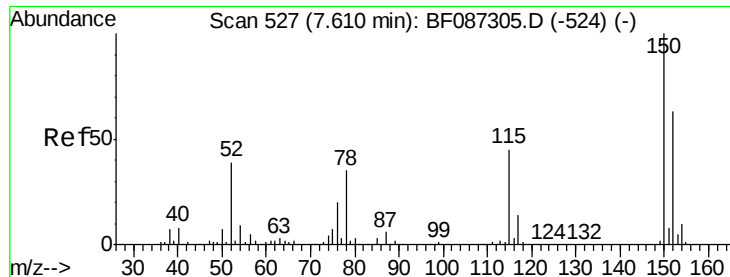
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
Data File : BF087471.D
Acq On : 28 May 2016 7:11
Operator : UM/SJ
Sample : H3190-16
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1679(0-4)

Quant Time: May 30 00:56:24 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: BF087471.D

Acq: 28 May 2016 7:11

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1679(0-4)

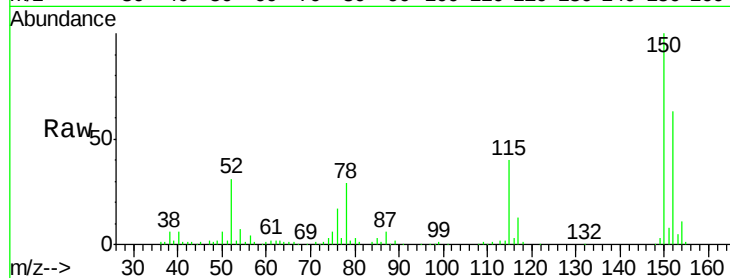
Tgt Ion:152 Resp: 108942

Ion Ratio Lower Upper

152 100

150 157.7 125.8 188.6

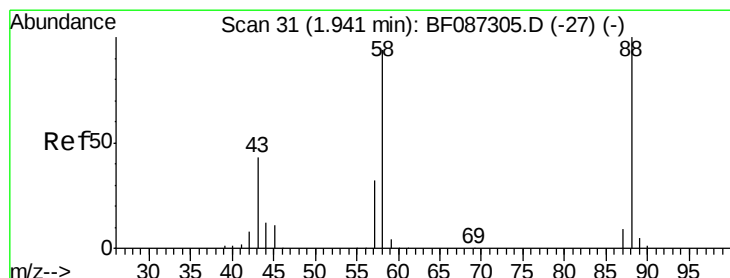
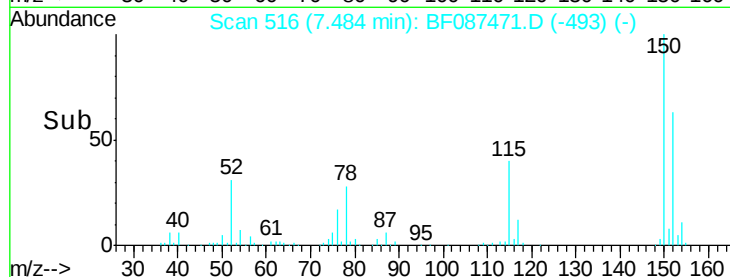
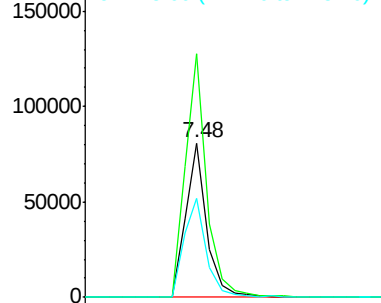
115 63.8 51.5 77.3



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: 7.26 ng

RT: 1.63 min Scan# 4

Delta R.T. -0.18 min

Lab File: BF087471.D

Acq: 28 May 2016 7:11

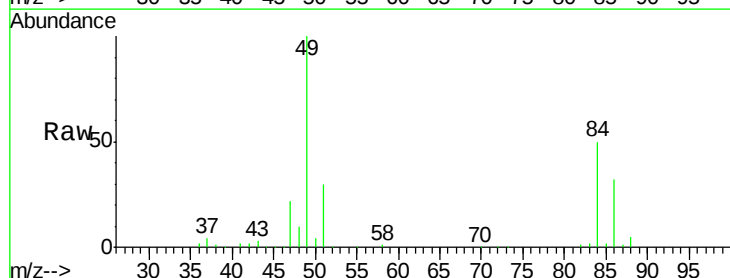
Tgt Ion: 88 Resp: 23753

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

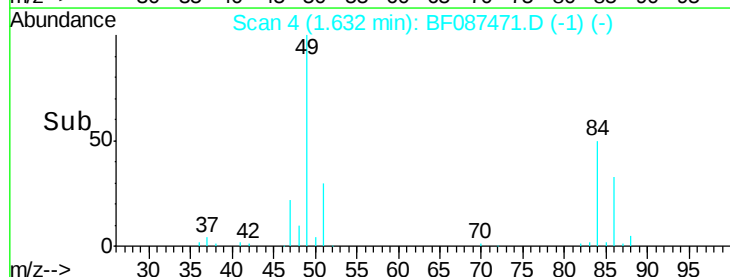
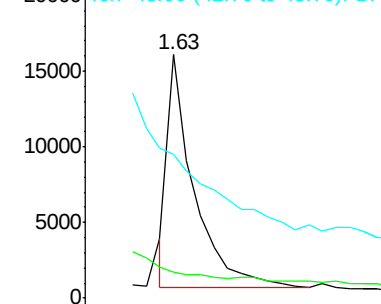
43 0.0 21.8 32.6#

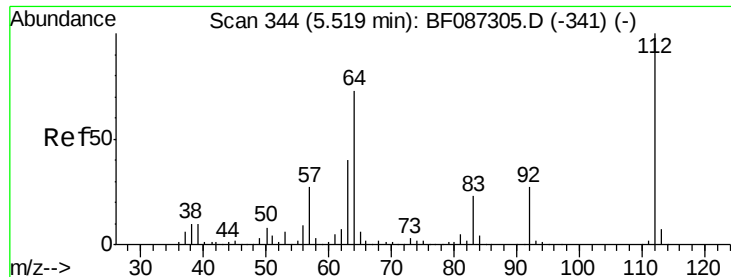


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

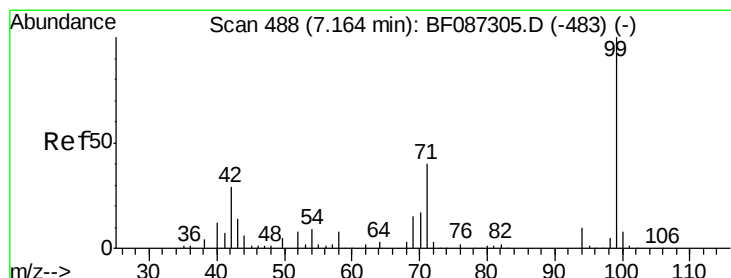
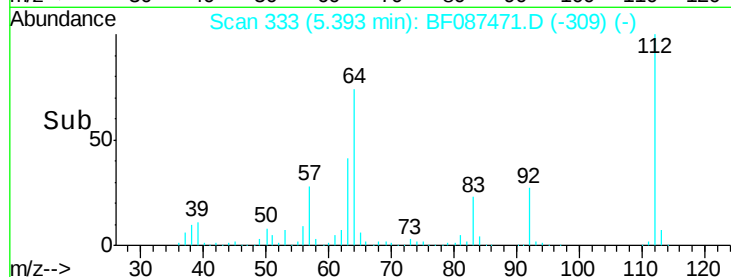
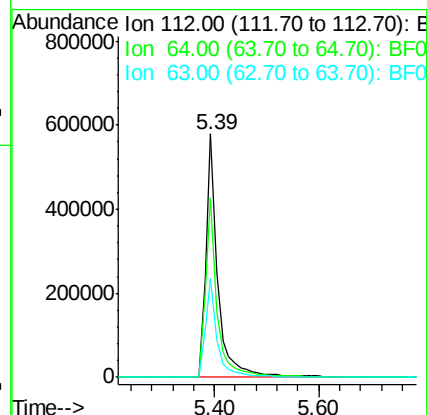
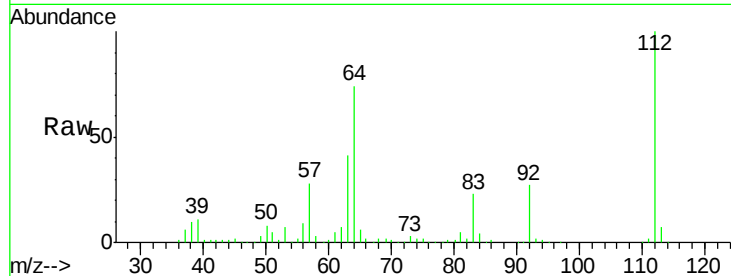




#5
 2-Fluorophenol
 Concen: 150.33 ng
 RT: 5.39 min Scan# 333
 Delta R.T. -0.02 min
 Lab File: BF087471.D
 Acq: 28 May 2016 7:11

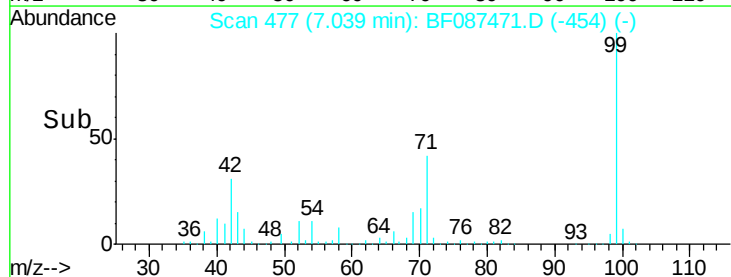
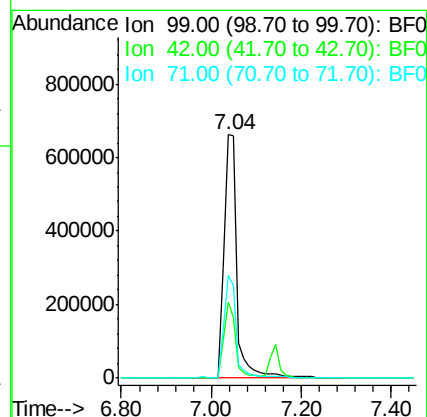
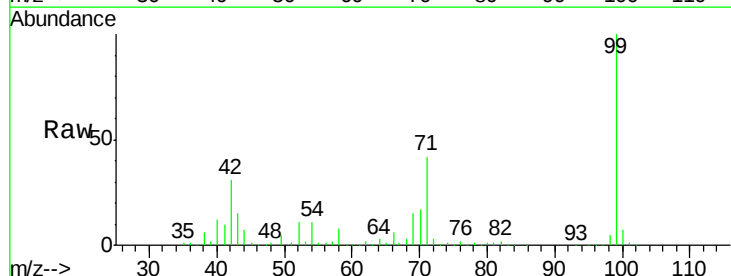
Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1679(0-4)

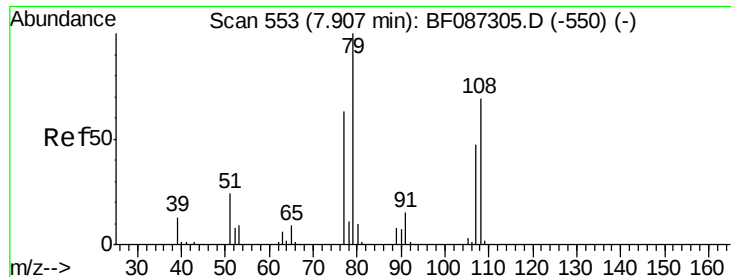
Tgt Ion: 112 Resp: 932004
 Ion Ratio Lower Upper
 112 100
 64 74.0 52.1 78.1
 63 40.9 25.7 38.5#



#7
 Phenol-d6
 Concen: 157.52 ng
 RT: 7.04 min Scan# 477
 Delta R.T. -0.03 min
 Lab File: BF087471.D
 Acq: 28 May 2016 7:11

Tgt Ion: 99 Resp: 1319634
 Ion Ratio Lower Upper
 99 100
 42 31.0 13.6 20.4#
 71 42.2 24.6 36.8#





#15

Benzyl Alcohol

Concen: 2.85 ng

RT: 7.71 min Scan# 536

Delta R.T. -0.10 min

Lab File: BF087471.D

Acq: 28 May 2016 7:11

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1679(0-4)

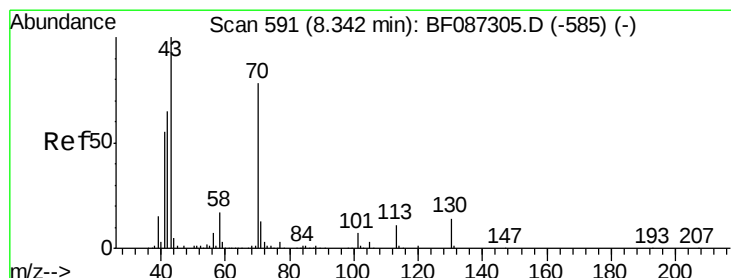
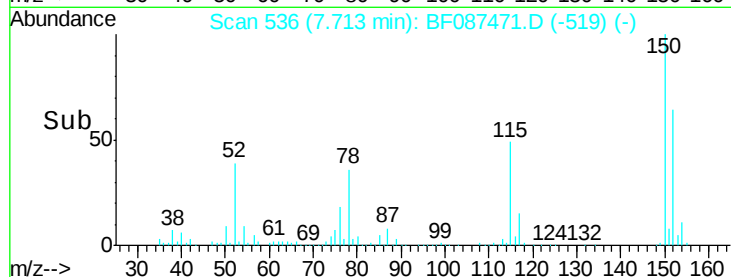
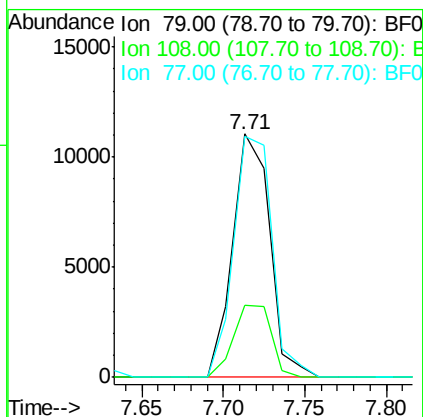
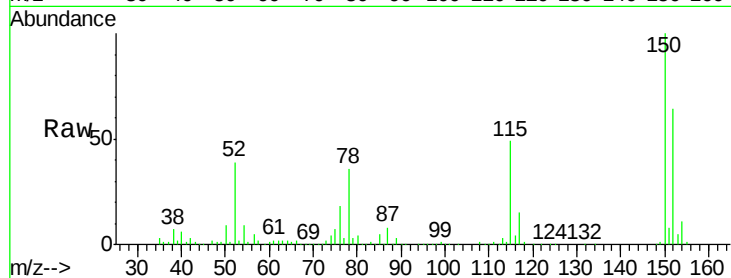
Tgt Ion: 79 Resp: 17378

Ion Ratio Lower Upper

79 100

108 29.7 68.4 102.6#

77 99.1 50.6 76.0#



#19

n-Nitroso-di-n-propylamine

Concen: 19.34 ng

RT: 8.40 min Scan# 596

Delta R.T. 0.15 min

Lab File: BF087471.D

Acq: 28 May 2016 7:11

Tgt Ion: 70 Resp: 120826

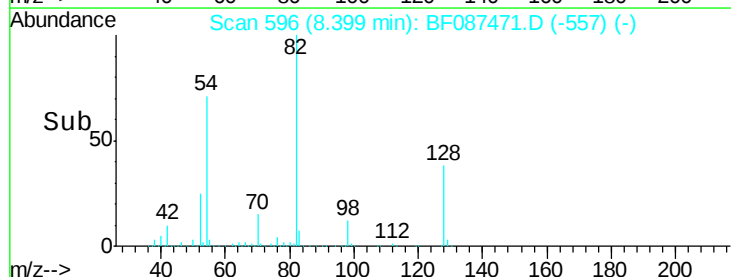
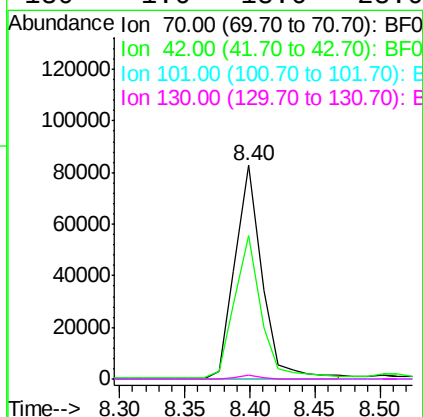
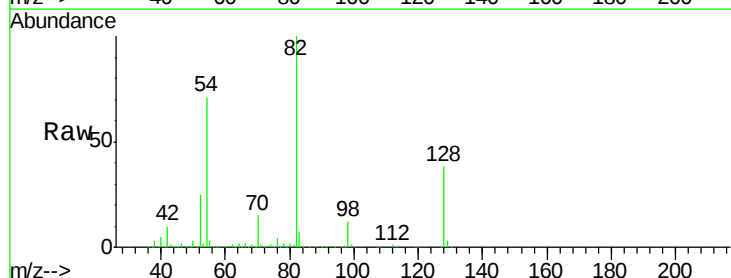
Ion Ratio Lower Upper

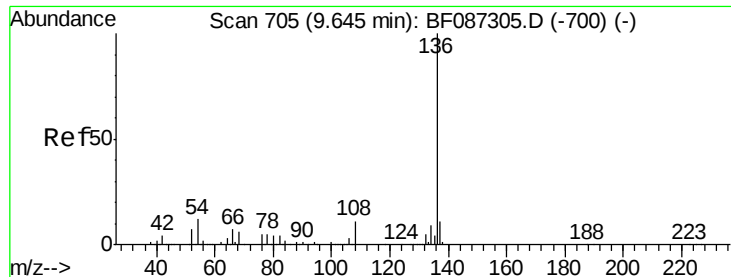
70 100

42 67.4 43.1 64.7#

101 0.0 8.1 12.1#

130 1.6 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: BF087471.D

Acq: 28 May 2016 7:11

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1679(0-4)

Tgt Ion:136 Resp: 435096

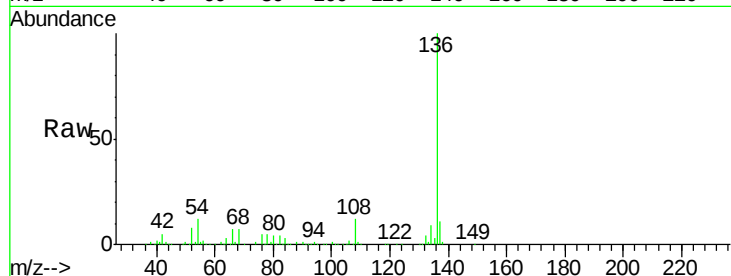
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 12.5 5.0 7.4#

68 6.6 4.4 6.6

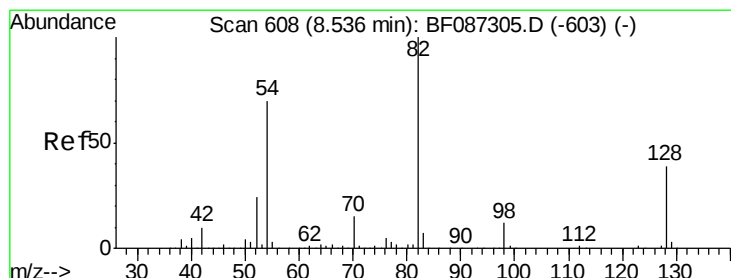
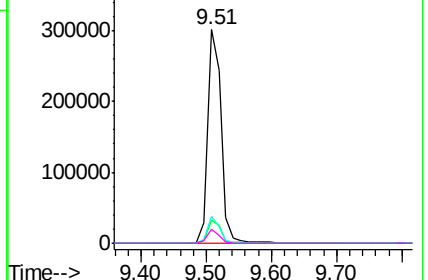
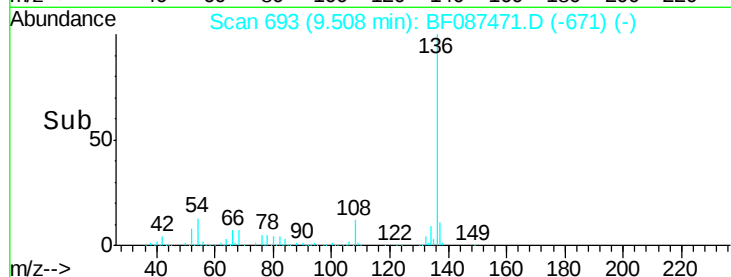


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.54 ng

RT: 8.40 min Scan# 596

Delta R.T. -0.05 min

Lab File: BF087471.D

Acq: 28 May 2016 7:11

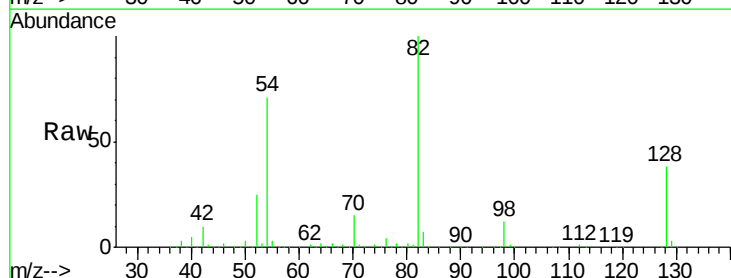
Tgt Ion: 82 Resp: 859337

Ion Ratio Lower Upper

82 100

128 37.8 40.6 61.0#

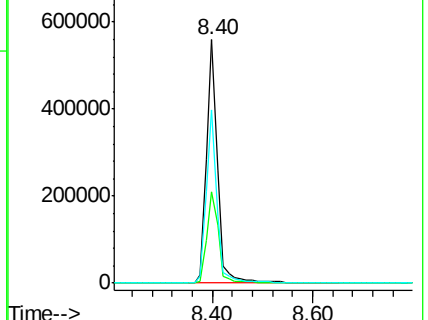
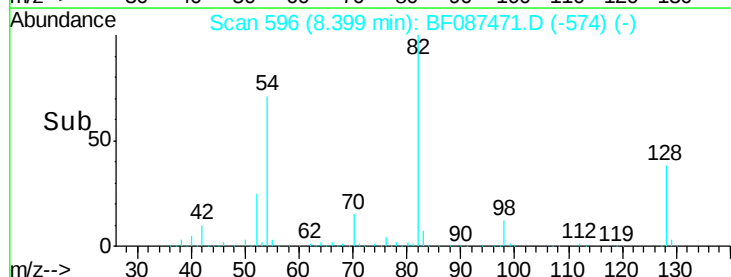
54 71.0 38.1 57.1#

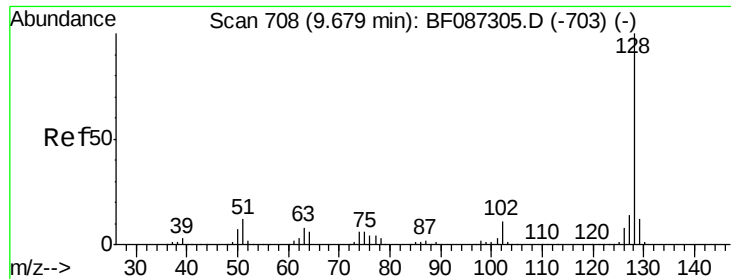


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

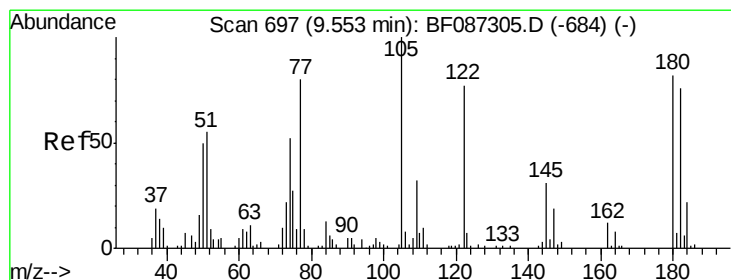
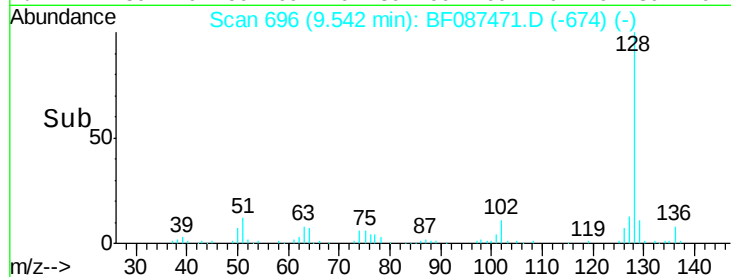
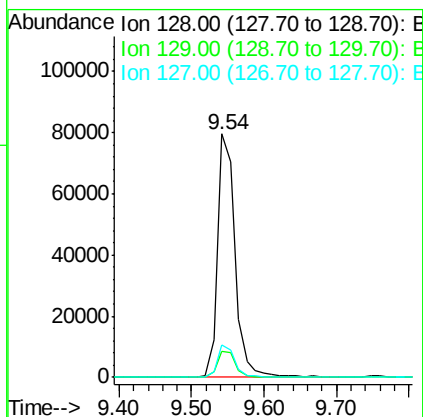
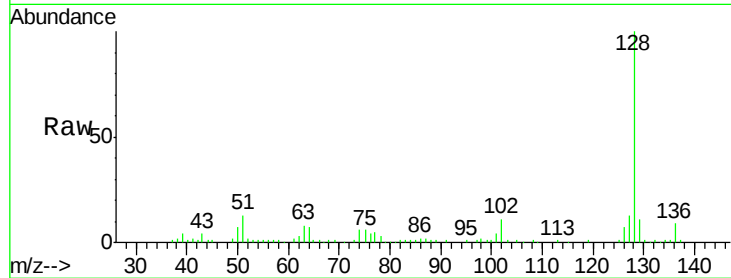




#31
Naphthalene
Concen: 6.11 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.05 min
Lab File: BF087471.D
Acq: 28 May 2016 7:11

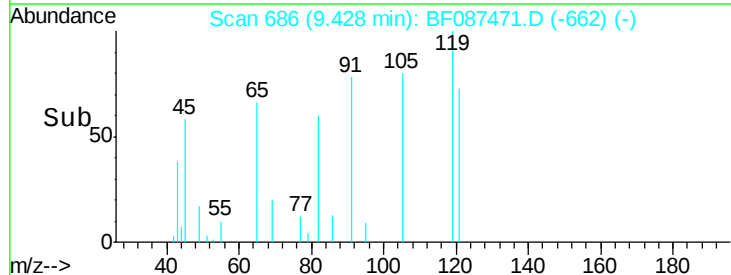
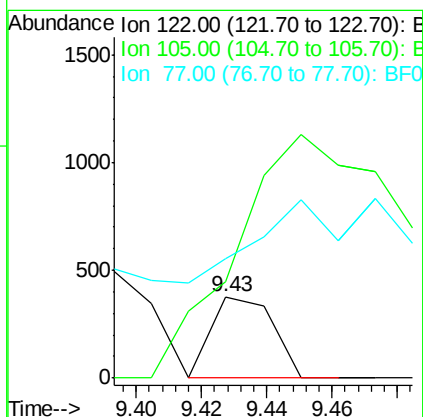
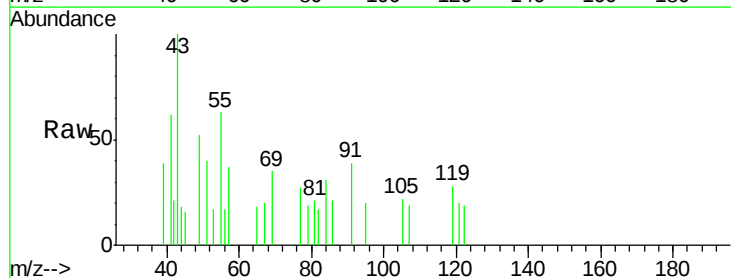
Instrument :
BNA_F
ClientSampleId :
CHS-STA-1679(0-4)

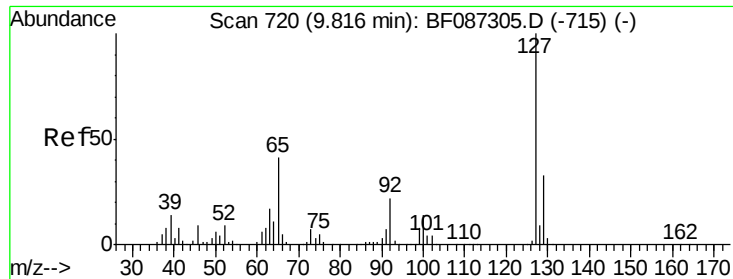
Tgt Ion:128 Resp: 133162
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 13.3 10.8 16.2



#32
Benzoic acid
Concen: 5.95 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.02 min
Lab File: BF087471.D
Acq: 28 May 2016 7:11

Tgt Ion:122 Resp: 487
Ion Ratio Lower Upper
122 100
105 118.6 92.6 132.6
77 146.8 60.0 100.0#

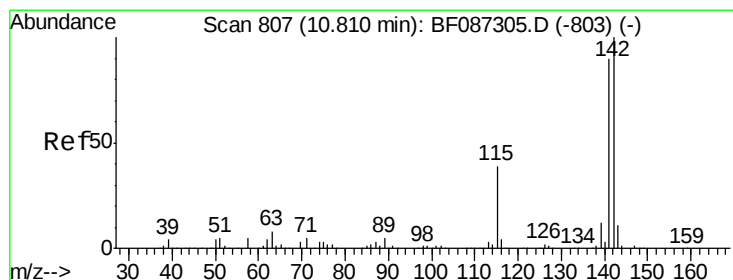
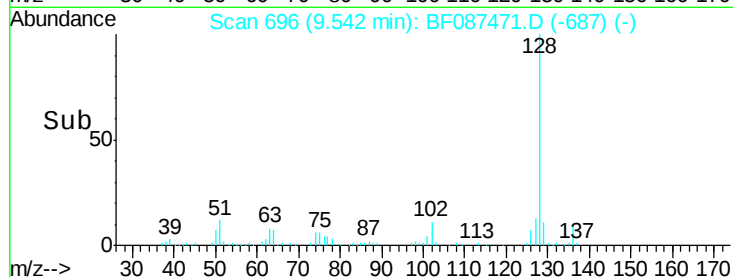
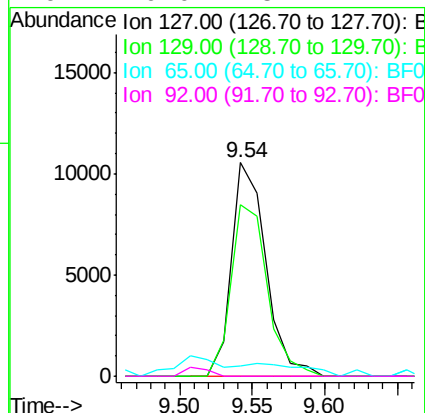
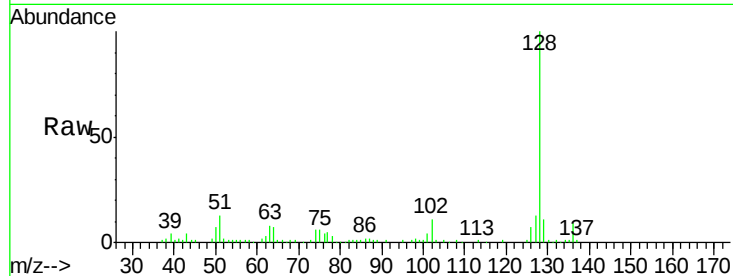




#33
4-Chloroaniline
Concen: 2.16 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.19 min
Lab File: BF087471.D
Acq: 28 May 2016 7:11

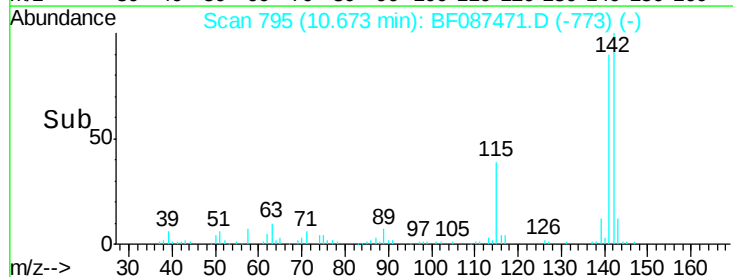
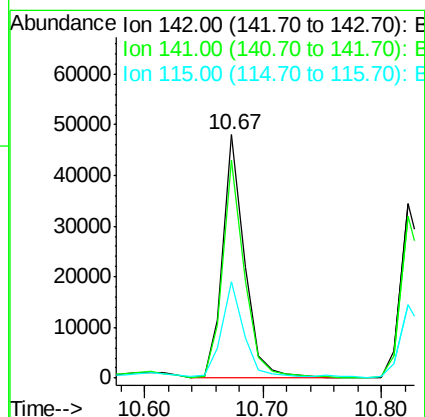
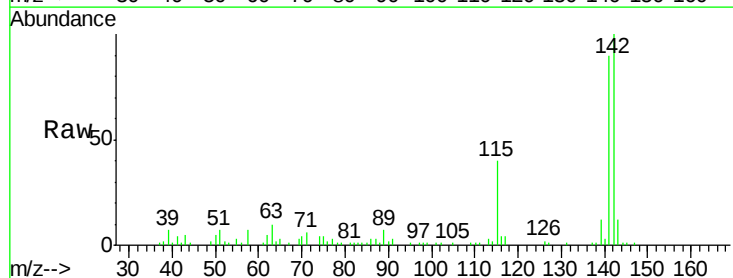
Instrument :
BNA_F
ClientSampleId :
CHS-STA-1679(0-4)

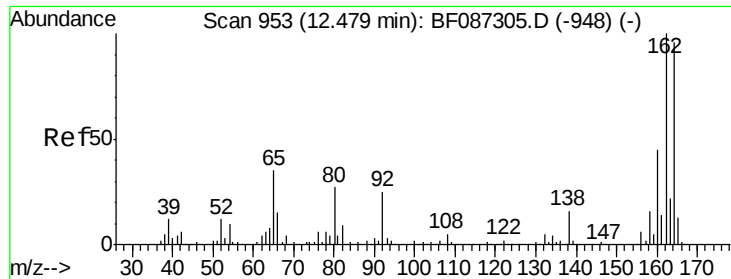
Tgt Ion:	127	Resp:	17340
Ion Ratio	Lower	Upper	
127	100		
129	80.3	26.2	39.4#
65	4.7	23.0	34.4#
92	0.0	15.1	22.7#



#37
2-Methylnaphthalene
Concen: 4.51 ng
RT: 10.67 min Scan# 795
Delta R.T. -0.05 min
Lab File: BF087471.D
Acq: 28 May 2016 7:11

Tgt Ion:	142	Resp:	61450
Ion Ratio	Lower	Upper	
142	100		
141	89.5	71.0	106.6
115	39.7	26.6	39.8

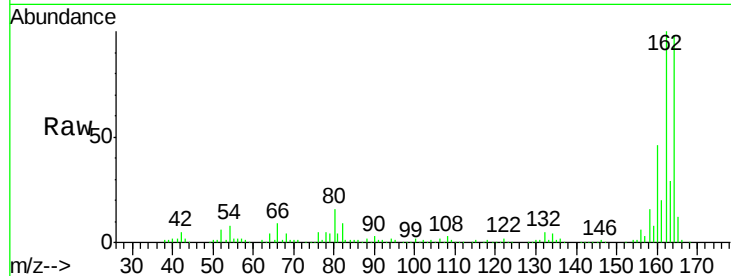




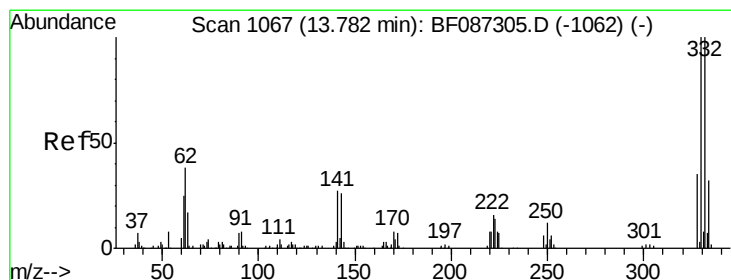
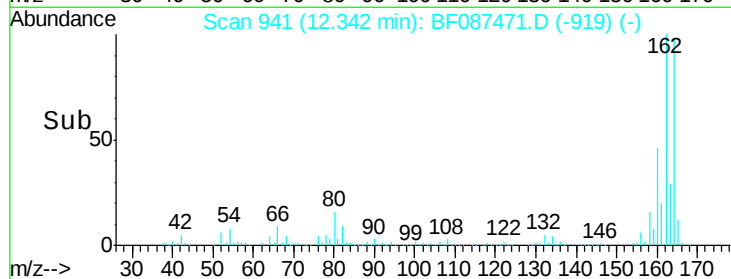
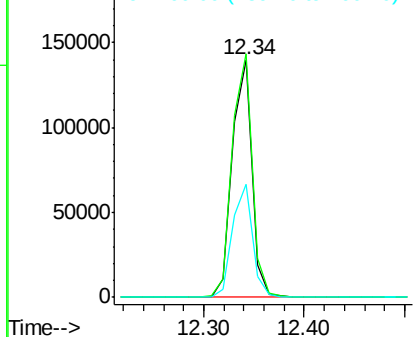
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.34 min Scan# 941
 Delta R.T. -0.05 min
 Lab File: BF087471.D
 Acq: 28 May 2016 7:11

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1679(0-4)

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.8	124.2
160	47.4	36.9	55.3

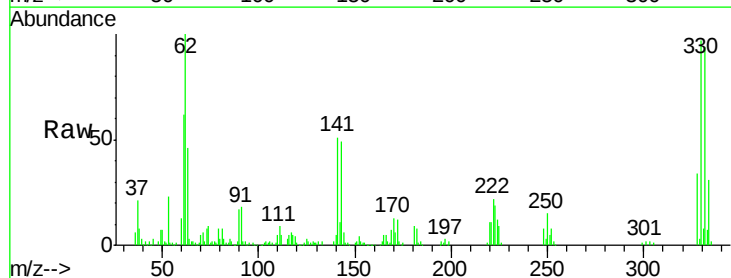


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

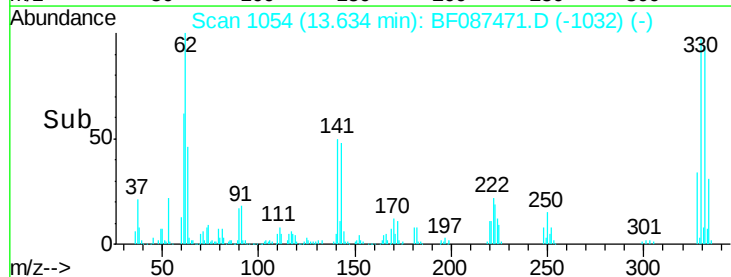
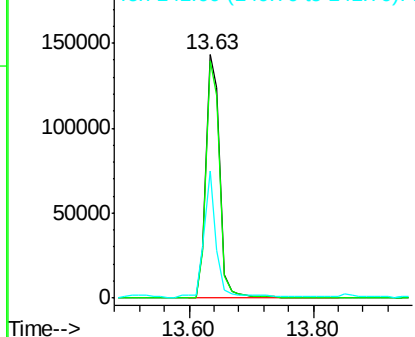


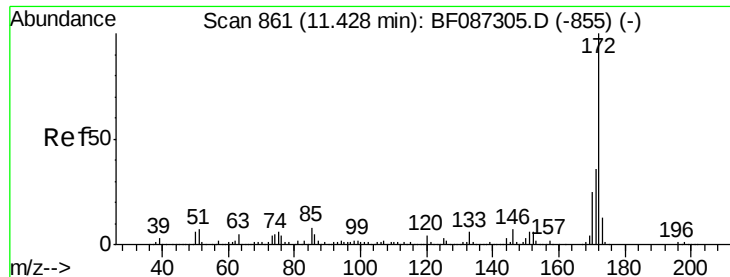
#41
 2,4,6-Tribromophenol
 Concen: 122.13 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. -0.05 min
 Lab File: BF087471.D
 Acq: 28 May 2016 7:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	79.0	118.4
141	46.0	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

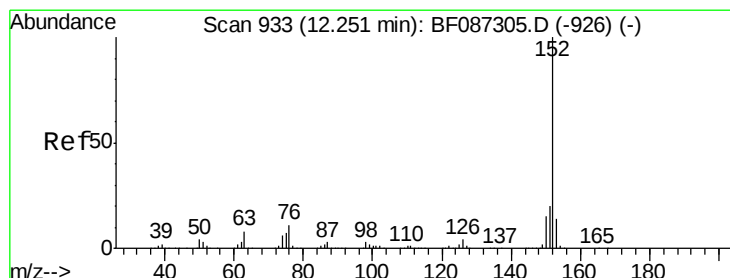
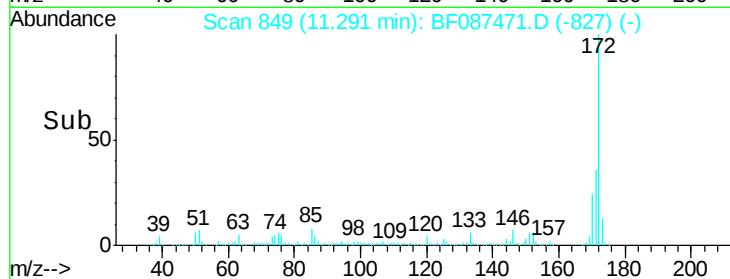
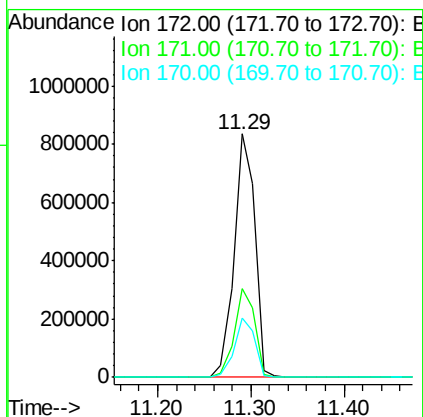
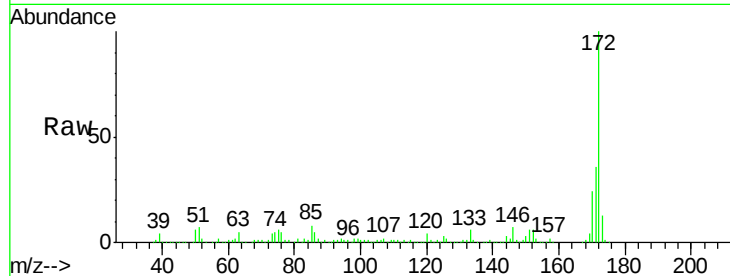




#44
 2-Fluorobiphenyl
 Concen: 95.99 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.05 min
 Lab File: BF087471.D
 Acq: 28 May 2016 7:11

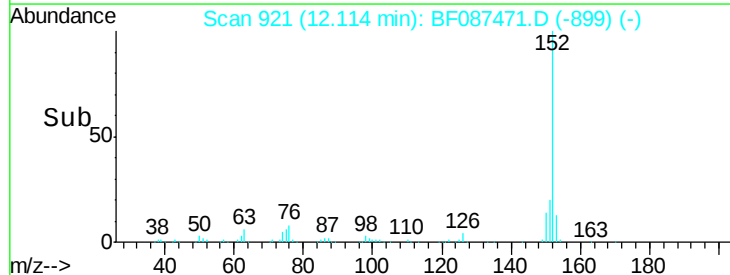
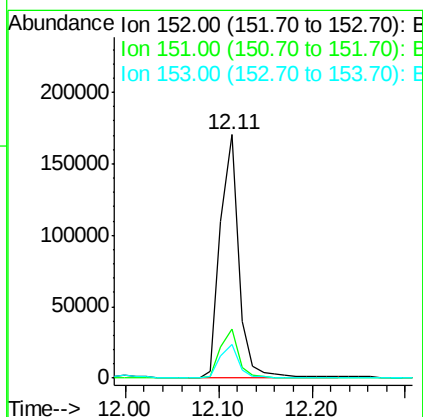
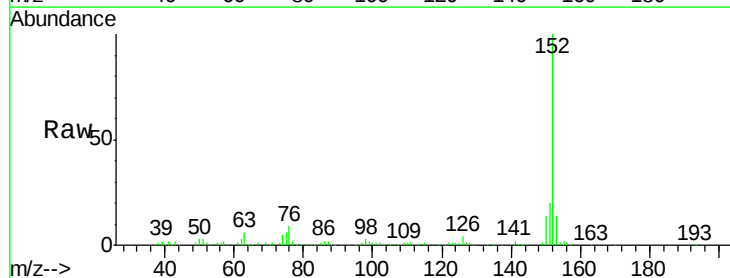
Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1679(0-4)

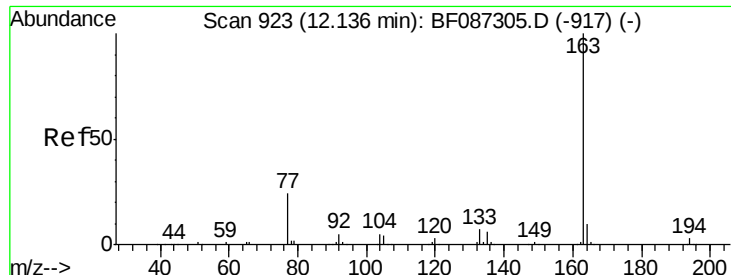
Tgt Ion:172 Resp: 1293113
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.0 43.6
 170 24.3 19.8 29.8



#48
 Acenaphthylene
 Concen: 12.29 ng
 RT: 12.11 min Scan# 921
 Delta R.T. -0.05 min
 Lab File: BF087471.D
 Acq: 28 May 2016 7:11

Tgt Ion:152 Resp: 238014
 Ion Ratio Lower Upper
 152 100
 151 19.9 16.8 25.2
 153 13.6 10.9 16.3

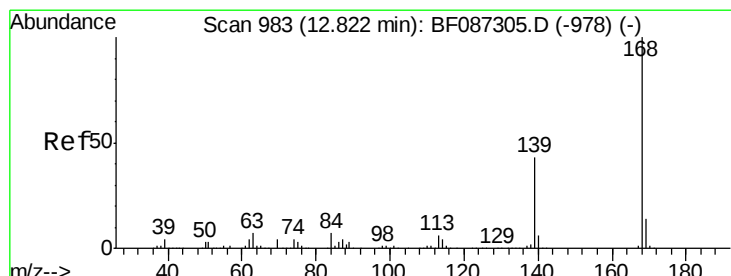
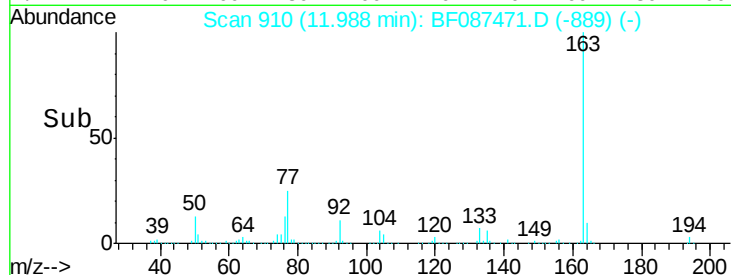
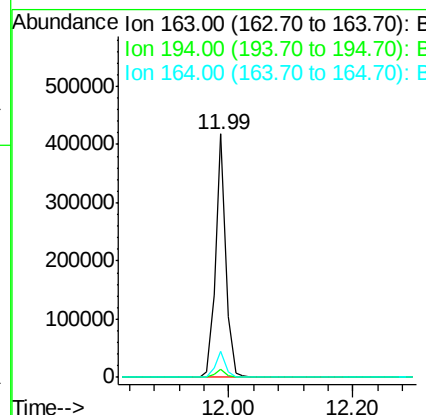
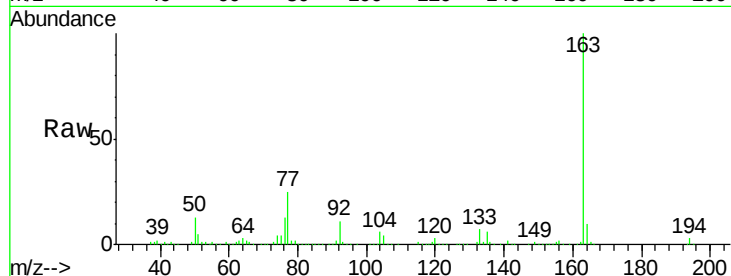




#49
Dimethylphthalate
Concen: 31.26 ng
RT: 11.99 min Scan# 910
Delta R.T. -0.06 min
Lab File: BF087471.D
Acq: 28 May 2016 7:11

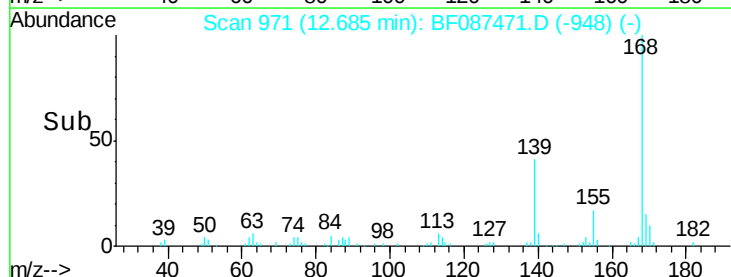
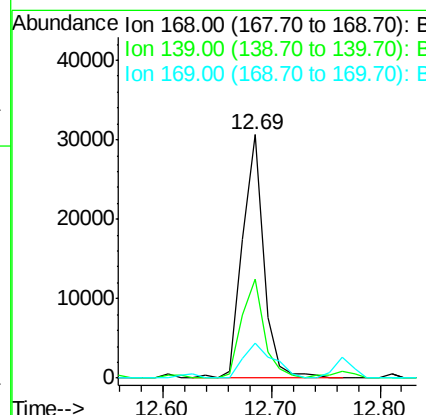
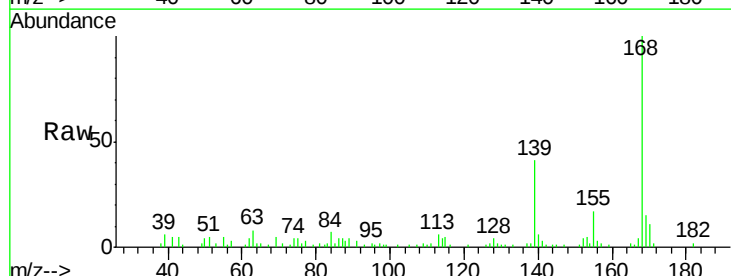
Instrument :
BNA_F
ClientSampleId :
CHS-STA-1679(0-4)

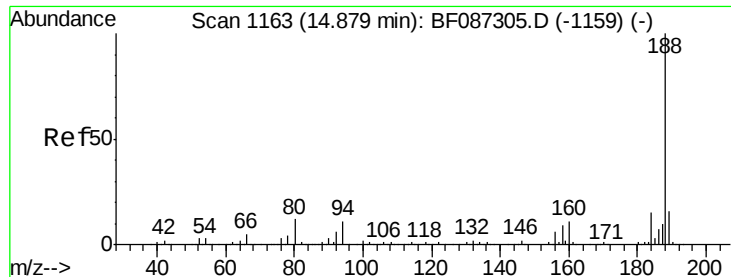
Tgt Ion:163 Resp: 475497
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.5 8.2 12.4



#54
Dibenzofuran
Concen: 2.54 ng
RT: 12.69 min Scan# 971
Delta R.T. -0.03 min
Lab File: BF087471.D
Acq: 28 May 2016 7:11

Tgt Ion:168 Resp: 40992
Ion Ratio Lower Upper
168 100
139 40.6 31.4 47.0
169 14.5 10.7 16.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.74 min Scan# 1151

Delta R.T. -0.03 min

Lab File: BF087471.D

Acq: 28 May 2016 7:11

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1679(0-4)

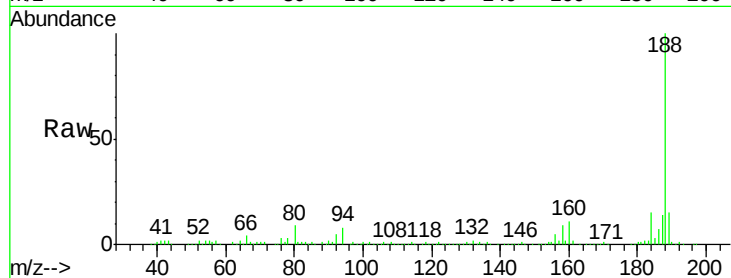
Tgt Ion:188 Resp: 294971

Ion Ratio Lower Upper

188 100

94 8.3 6.8 10.2

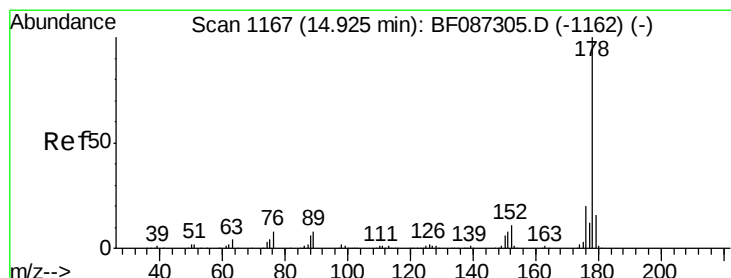
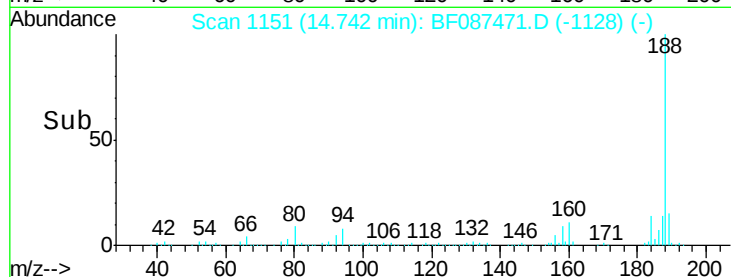
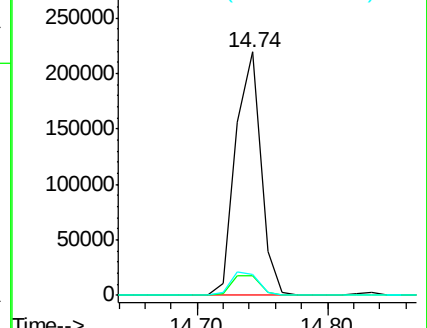
80 8.8 7.1 10.7



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: 28.63 ng

RT: 14.78 min Scan# 1154

Delta R.T. -0.05 min

Lab File: BF087471.D

Acq: 28 May 2016 7:11

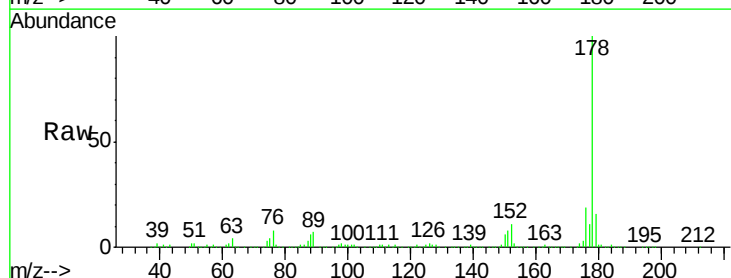
Tgt Ion:178 Resp: 467793

Ion Ratio Lower Upper

178 100

176 19.2 16.0 24.0

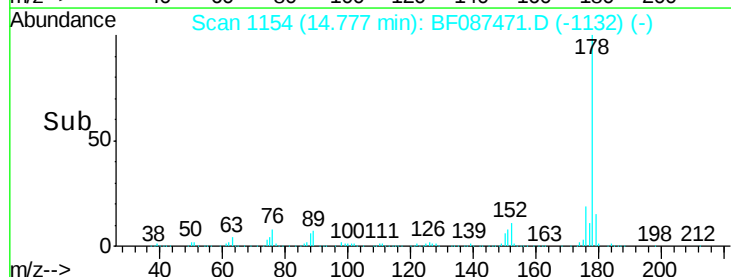
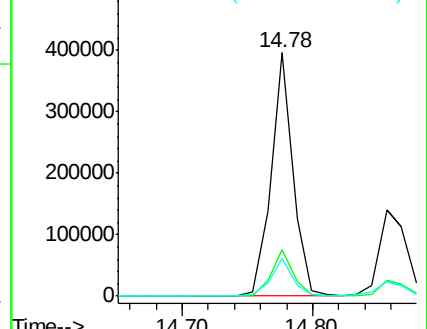
179 15.5 12.6 18.8

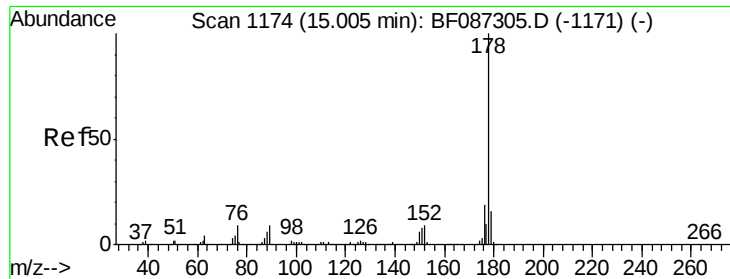


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

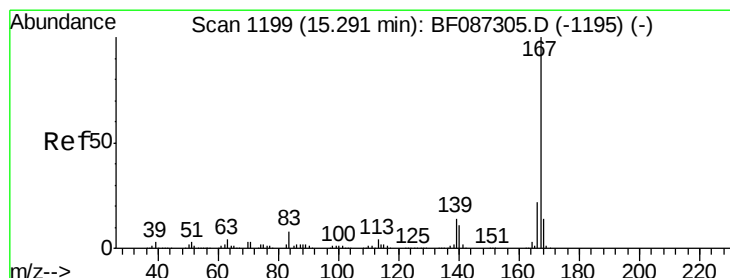
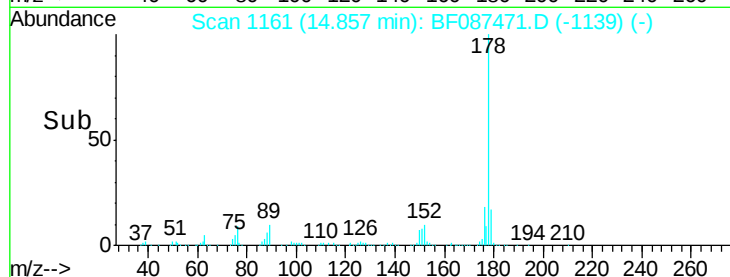
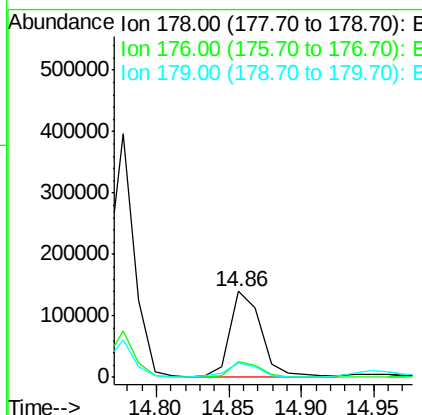
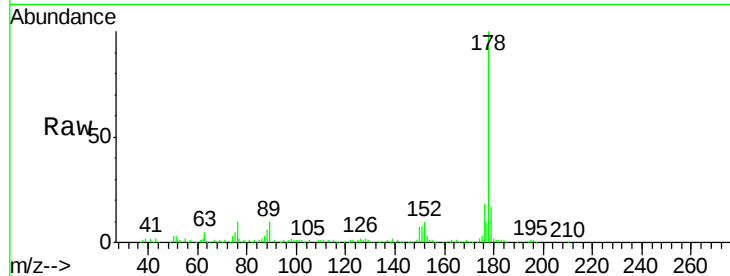




#71
 Anthracene
 Concen: 12.32 ng
 RT: 14.86 min Scan# 1161
 Delta R.T. -0.05 min
 Lab File: BF087471.D
 Acq: 28 May 2016 7:11

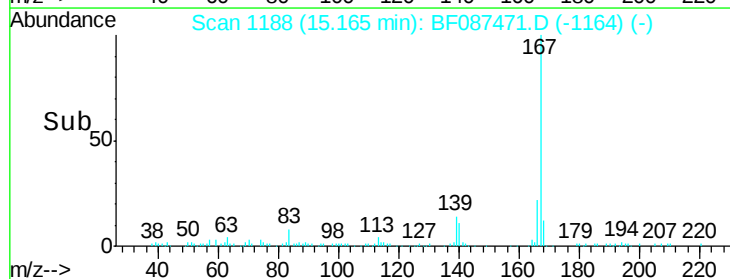
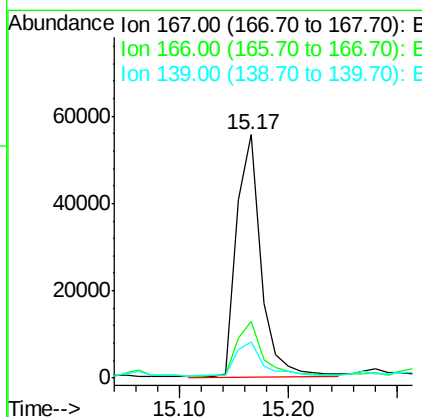
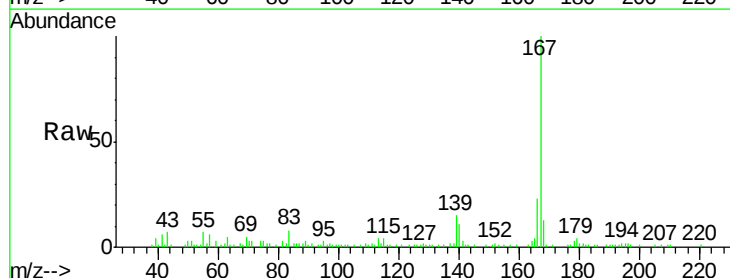
Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1679(0-4)

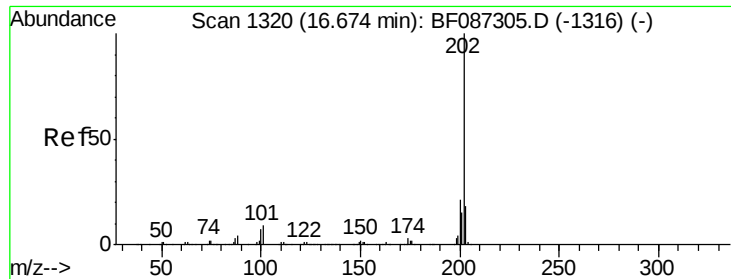
Tgt Ion:178 Resp: 203306
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.6 23.4
 179 17.0 12.7 19.1



#72
 Carbazole
 Concen: 6.09 ng
 RT: 15.17 min Scan# 1188
 Delta R.T. -0.02 min
 Lab File: BF087471.D
 Acq: 28 May 2016 7:11

Tgt Ion:167 Resp: 85732
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.7 26.5
 139 14.8 10.8 16.2





#74

Fluoranthene

Concen: 88.10 ng

RT: 16.55 min Scan# 1309

Delta R.T. -0.03 min

Lab File: BF087471.D

Acq: 28 May 2016 7:11

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1679(0-4)

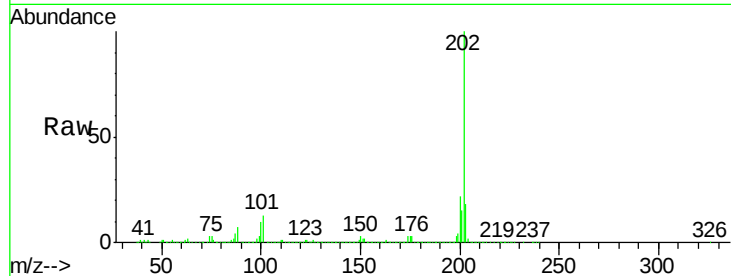
Tgt Ion:202 Resp: 1443519

Ion Ratio Lower Upper

202 100

101 13.2 0.0 35.4

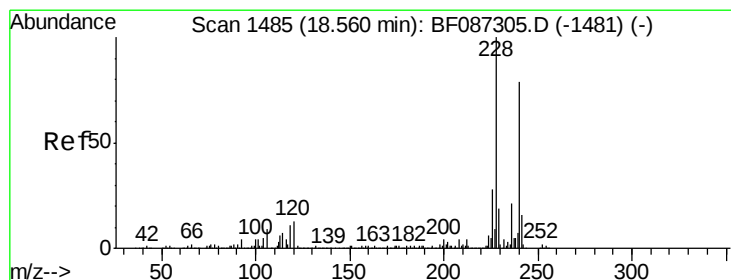
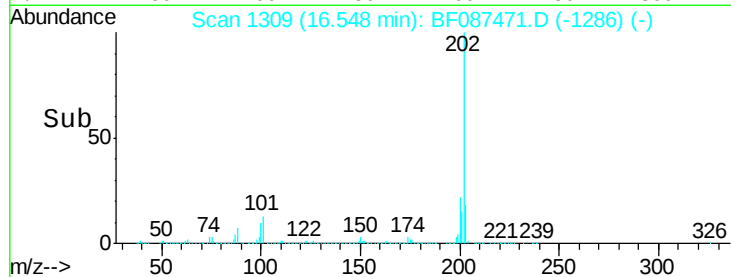
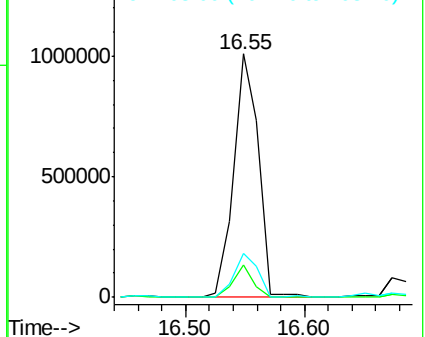
203 18.0 0.0 38.1



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: 18.45 min Scan# 1475

Delta R.T. -0.03 min

Lab File: BF087471.D

Acq: 28 May 2016 7:11

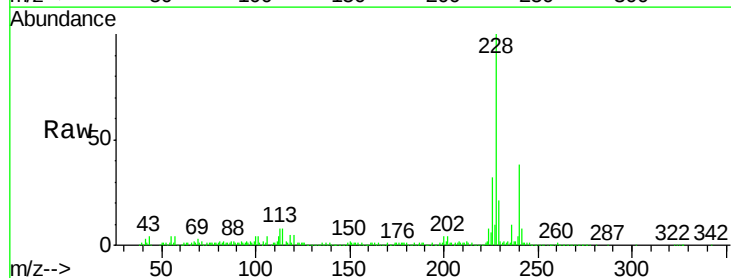
Tgt Ion:240 Resp: 221954

Ion Ratio Lower Upper

240 100

120 14.0 11.2 16.8

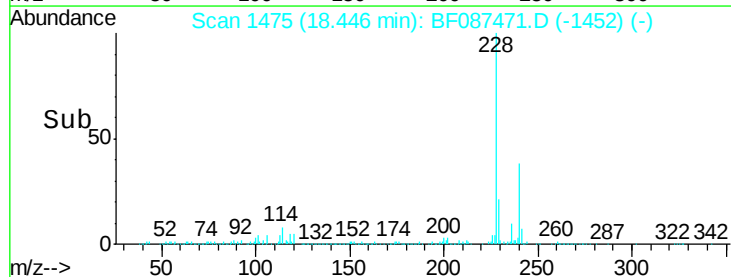
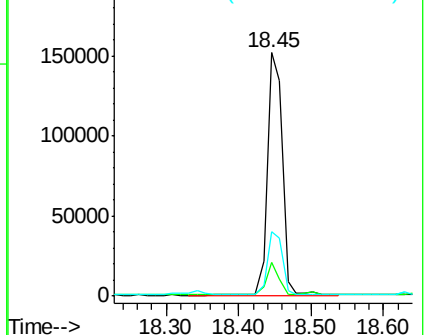
236 26.6 21.2 31.8

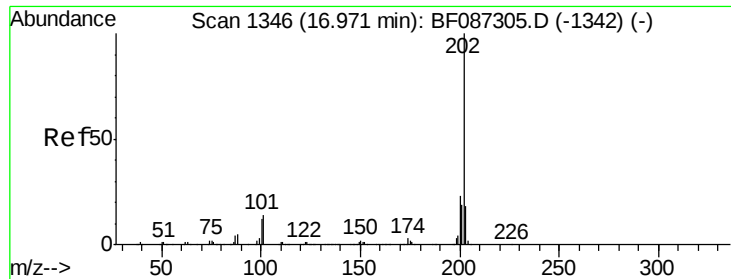


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

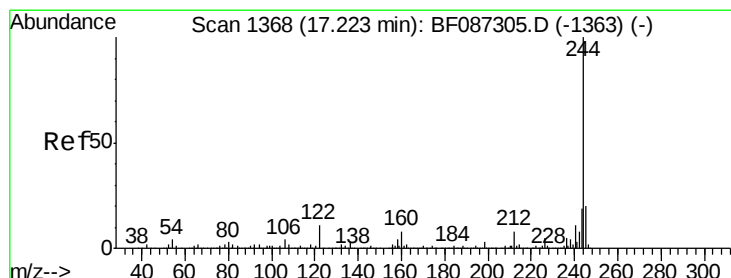
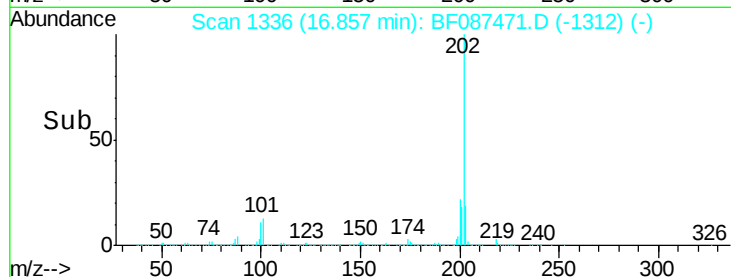
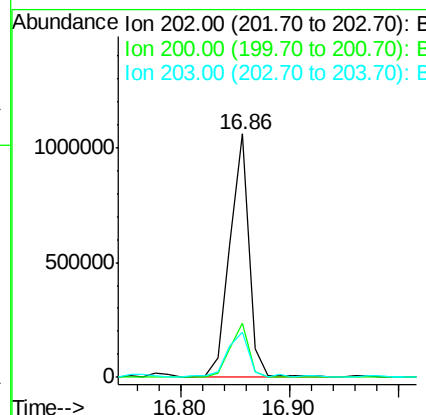
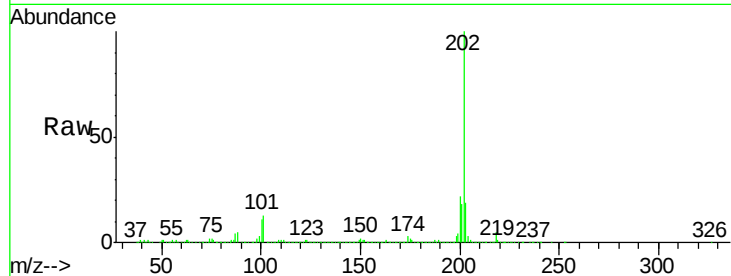




#77
 Pyrene
 Concen: 79.78 ng
 RT: 16.86 min Scan# 1336
 Delta R.T. -0.02 min
 Lab File: BF087471.D
 Acq: 28 May 2016 7:11

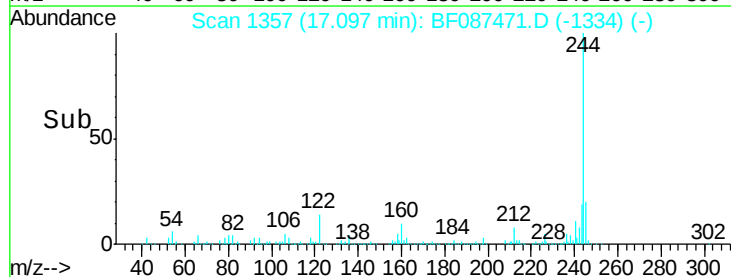
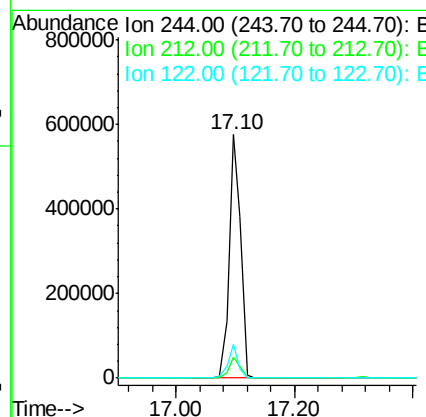
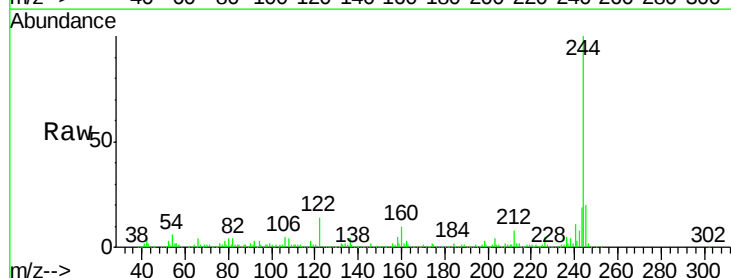
Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1679(0-4)

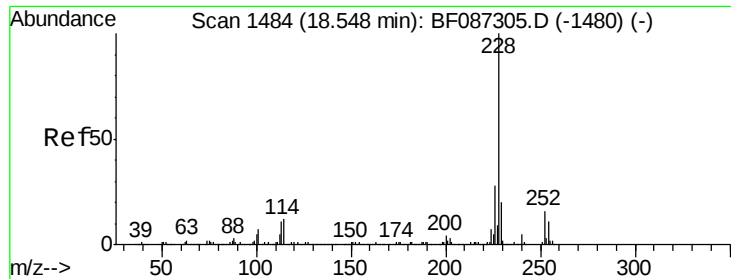
Tgt Ion:202 Resp: 1274584
 Ion Ratio Lower Upper
 202 100
 200 22.3 17.7 26.5
 203 18.8 14.2 21.4



#78
 Terphenyl-d14
 Concen: 73.24 ng
 RT: 17.10 min Scan# 1357
 Delta R.T. -0.03 min
 Lab File: BF087471.D
 Acq: 28 May 2016 7:11

Tgt Ion:244 Resp: 764587
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.2 9.2
 122 14.1 12.0 18.0





#80

Benzo(a)anthracene

Concen: 55.87 ng

RT: 18.48 min Scan# 1478

Delta R.T. 0.02 min

Lab File: BF087471.D

Acq: 28 May 2016 7:11

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1679(0-4)

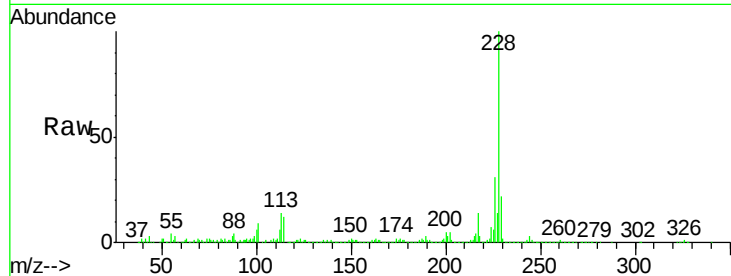
Tgt Ion:228 Resp: 705311

Ion Ratio Lower Upper

228 100

226 31.4 22.5 33.7

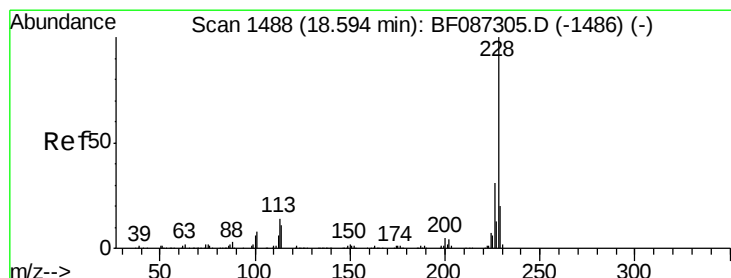
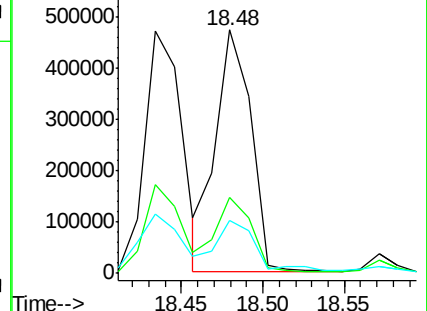
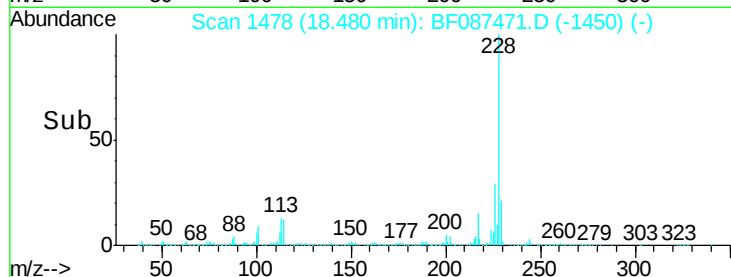
229 21.6 16.6 25.0



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: 56.30 ng

RT: 18.48 min Scan# 1478

Delta R.T. -0.03 min

Lab File: BF087471.D

Acq: 28 May 2016 7:11

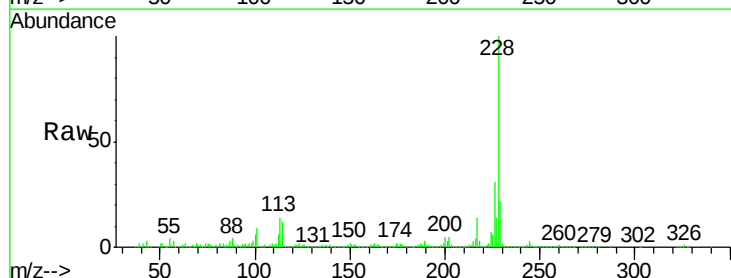
Tgt Ion:228 Resp: 705421

Ion Ratio Lower Upper

228 100

226 31.4 24.4 36.6

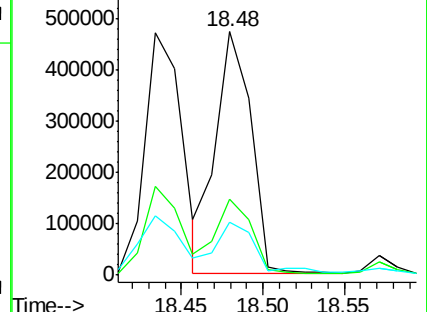
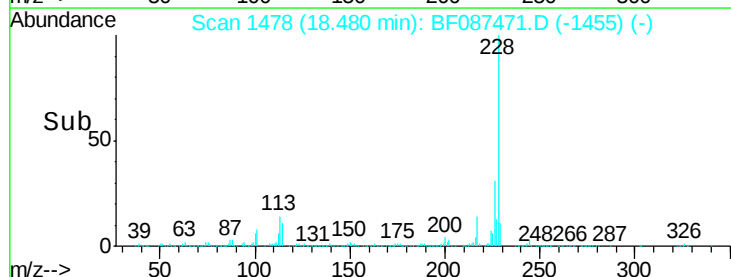
229 21.6 15.8 23.8

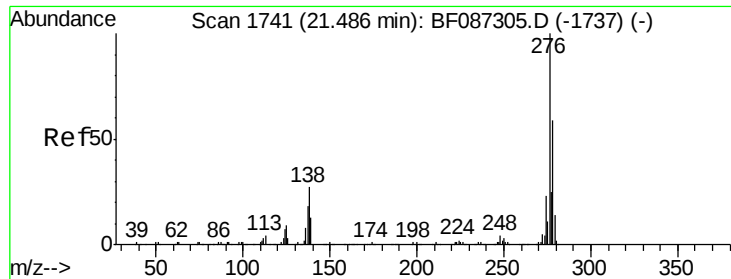


Abundance Ion 228.00 (227.70 to 228.70): E

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: 26.73 ng

RT: 21.35 min Scan# 1729

Delta R.T. -0.01 min

Lab File: BF087471.D

Acq: 28 May 2016 7:11

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1679(0-4)

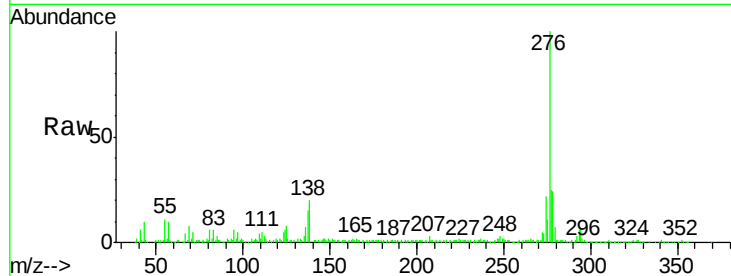
Tgt Ion:276 Resp: 268491

Ion Ratio Lower Upper

276 100

138 20.2 25.6 38.4#

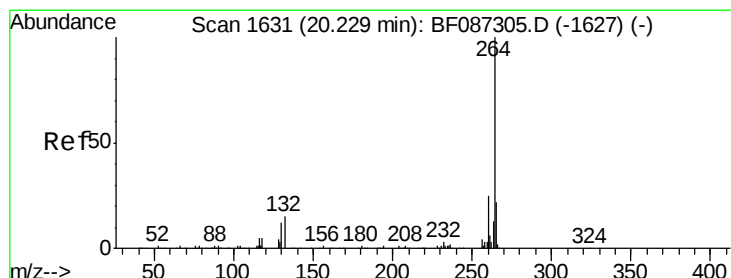
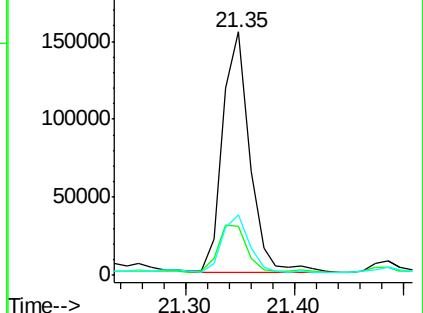
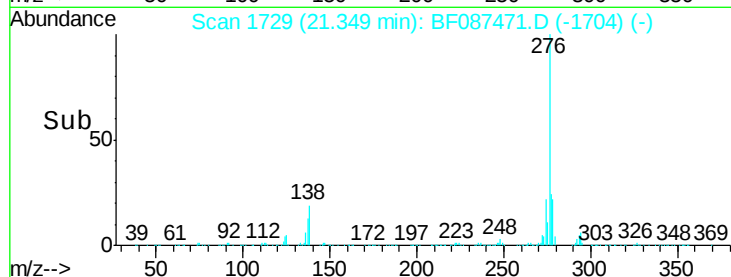
277 23.0 20.5 30.7



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: BF087471.D

Acq: 28 May 2016 7:11

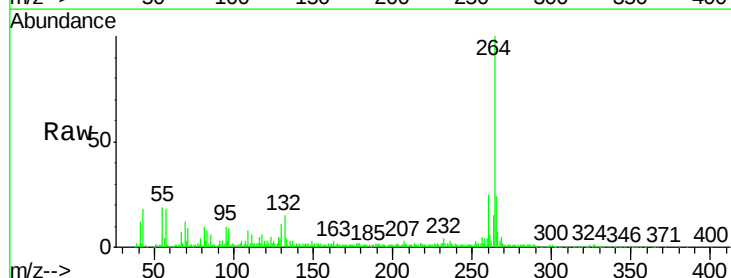
Tgt Ion:264 Resp: 177178

Ion Ratio Lower Upper

264 100

260 24.9 19.5 29.3

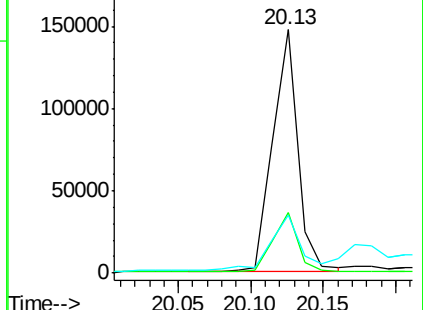
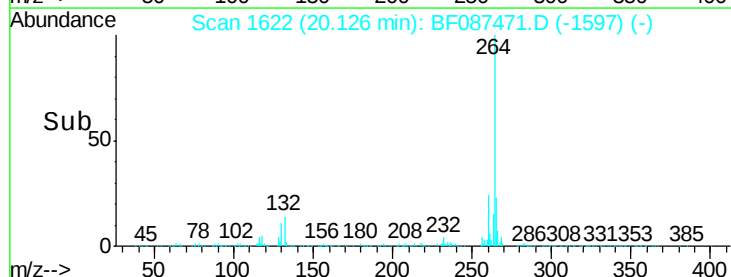
265 23.8 17.3 25.9

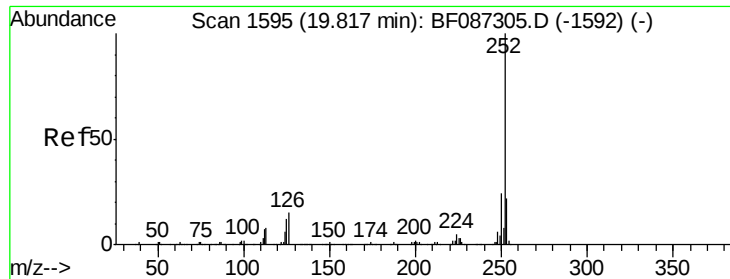


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 102.07 ng

RT: 19.73 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BF087471.D

Acq: 28 May 2016 7:11

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1679(0-4)

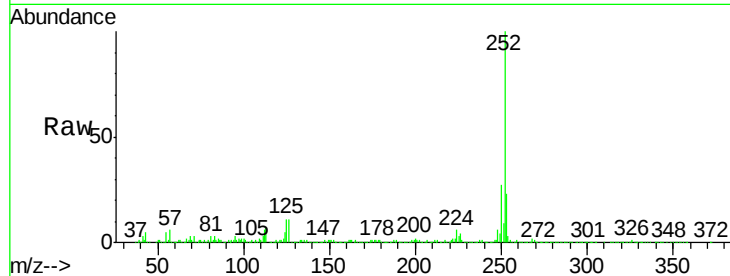
Tgt Ion:252 Resp: 1152017

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

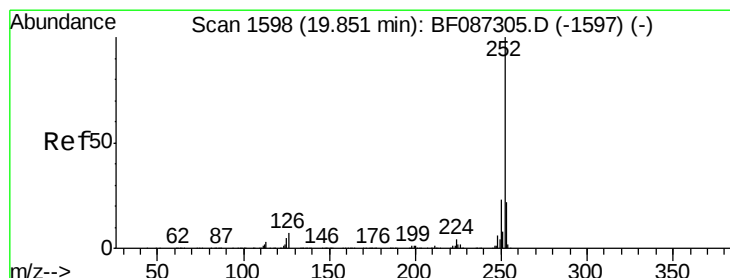
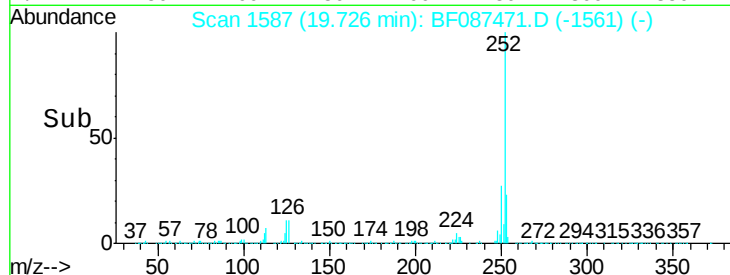
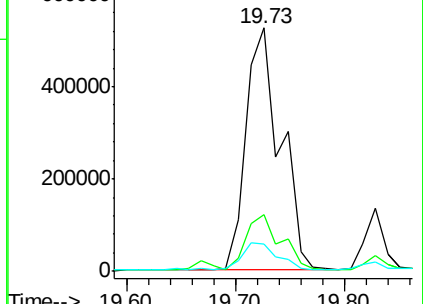
125 11.4 11.4 17.0



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: 118.59 ng

RT: 19.73 min Scan# 1587

Delta R.T. -0.03 min

Lab File: BF087471.D

Acq: 28 May 2016 7:11

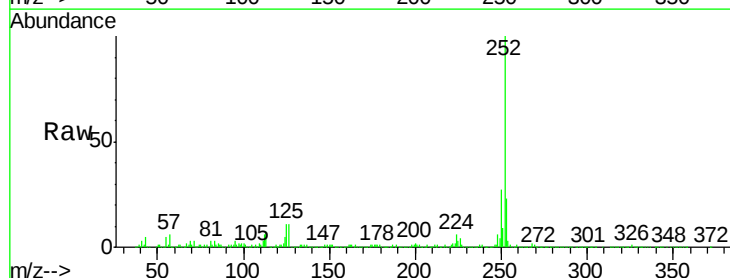
Tgt Ion:252 Resp: 1152017

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

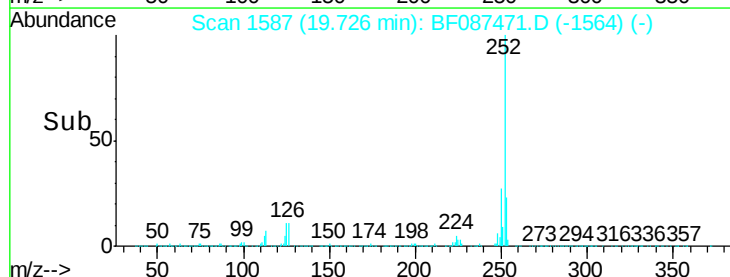
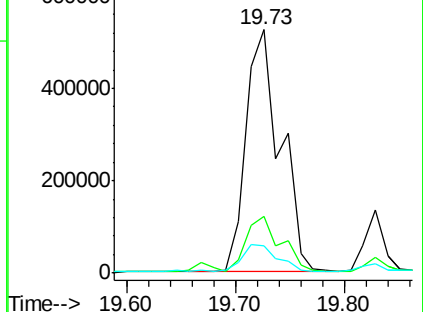
125 11.4 9.1 13.7

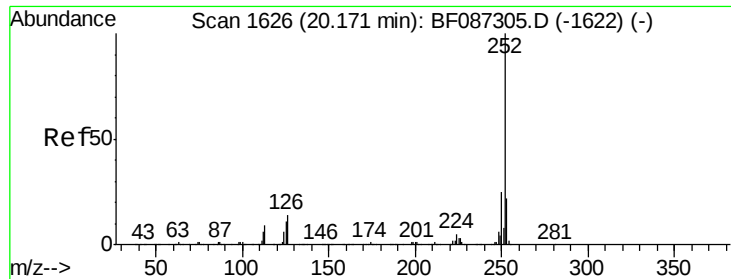


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 46.84 ng

RT: 20.07 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BF087471.D

Acq: 28 May 2016 7:11

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1679(0-4)

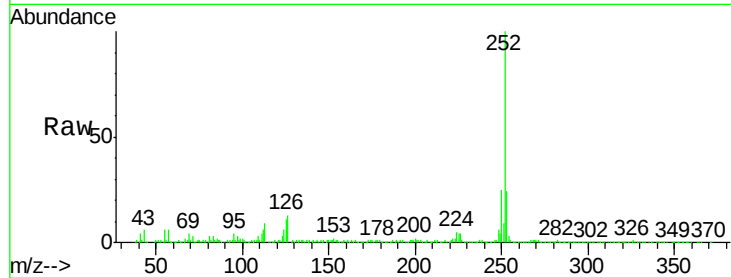
Tgt Ion:252 Resp: 457172

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

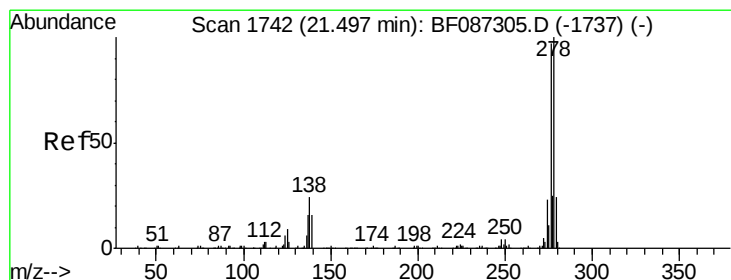
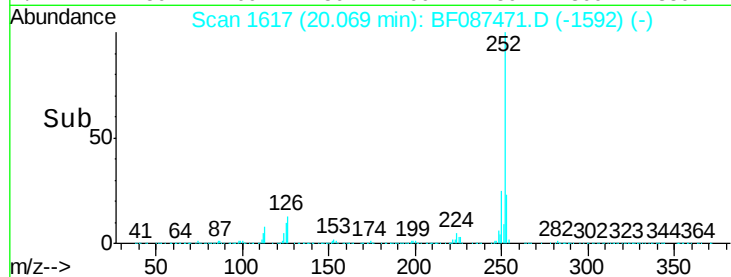
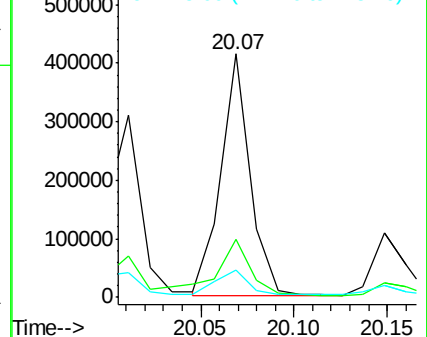
125 11.0 9.0 13.6



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: 6.03 ng

RT: 21.49 min Scan# 1741

Delta R.T. 0.13 min

Lab File: BF087471.D

Acq: 28 May 2016 7:11

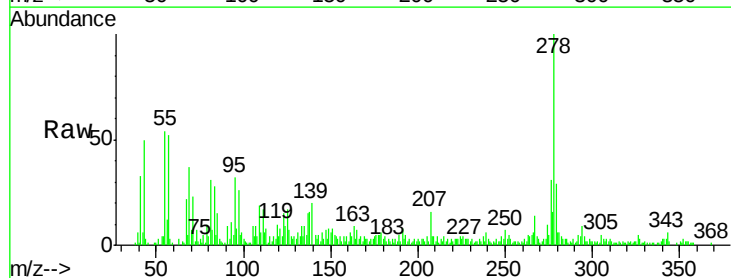
Tgt Ion:278 Resp: 50165

Ion Ratio Lower Upper

278 100

139 20.2 16.6 24.8

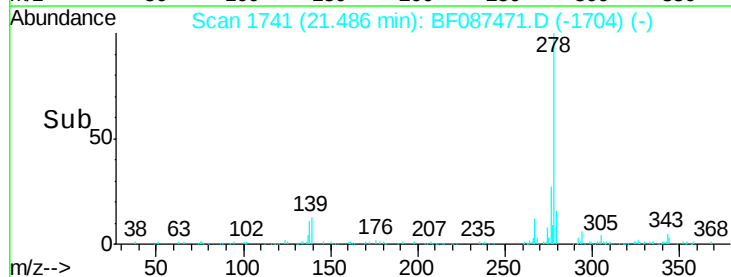
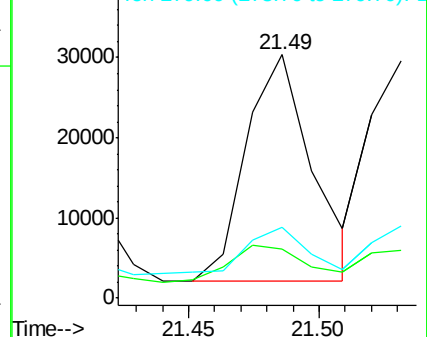
279 28.8 19.6 29.4

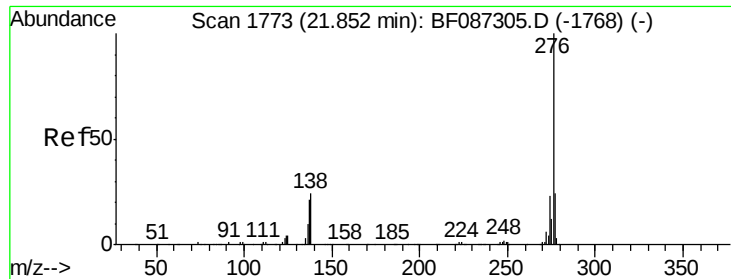


Abundance Ion 278.00 (277.70 to 278.70): E

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: 27.66 ng

RT: 21.69 min Scan# 1759

Delta R.T. -0.02 min

Lab File: BF087471.D

Acq: 28 May 2016 7:11

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1679(0-4)

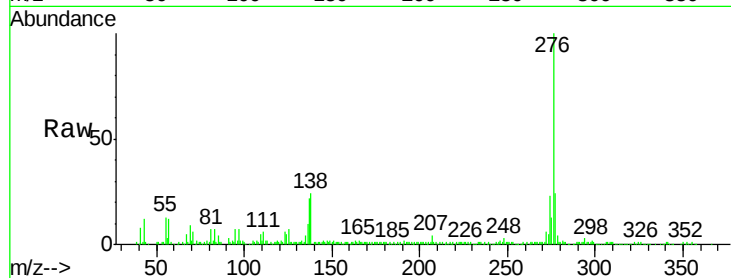
Tgt Ion: 276 Resp: 227174

Ion Ratio Lower Upper

276 100

277 24.3 19.6 29.4

138 24.1 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

