

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
 Data File : BF087470.D
 Acq On : 28 May 2016 6:37
 Operator : UM/SJ
 Sample : H3190-13
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: May 30 00:56:09 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

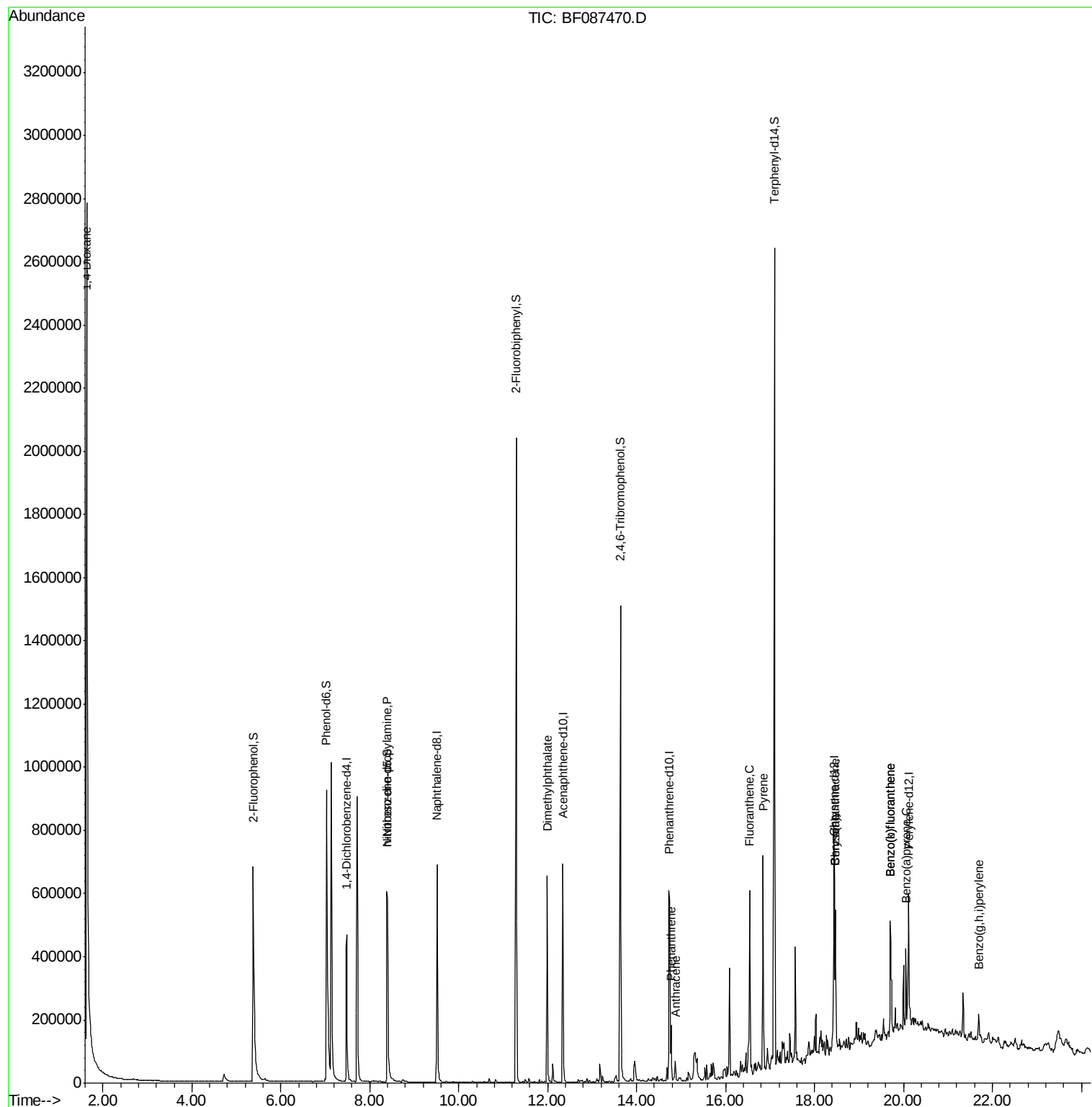
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	109707	20.00	ng	-0.03
21) Naphthalene-d8	9.51	136	446078	20.00	ng	-0.05
38) Acenaphthene-d10	12.34	164	201578	20.00	ng	-0.05
63) Phenanthrene-d10	14.74	188	347030	20.00	ng	-0.03
75) Chrysene-d12	18.45	240	246889	20.00	ng	-0.03
86) Perylene-d12	20.11	264	190093	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	346782	55.54	ng	-0.03
7) Phenol-d6	7.03	99	564413	66.90	ng	-0.05
23) Nitrobenzene-d5	8.39	82	355001	40.11	ng	-0.06
41) 2,4,6-Tribromophenol	13.63	330	201927	104.24	ng	-0.05
44) 2-Fluorobiphenyl	11.29	172	769020	53.78	ng	-0.05
78) Terphenyl-d14	17.10	244	934734	80.49	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	1.63	88	102109	30.99	ng	# 22
19) n-Nitroso-di-n-propylamine	8.39	70	46283	7.36	ng	# 68
49) Dimethylphthalate	11.99	163	331519	20.53	ng	99
70) Phenanthrene	14.78	178	94200	4.90	ng	98
71) Anthracene	14.87	178	43345	2.23	ng	98
74) Fluoranthene	16.54	202	307449	15.95	ng	97
77) Pyrene	16.85	202	300408	16.90	ng	98
80) Benzo(a)anthracene	18.47	228	164963	11.75	ng	97
82) Chrysene	18.47	228	166299	11.93	ng	99
87) Benzo(b)fluoranthene	19.70	252	280779	23.19	ng	99
88) Benzo(k)fluoranthene	19.70	252	280779	26.94	ng	98
89) Benzo(a)pyrene	20.06	252	103035	9.84	ng	98
91) Benzo(g,h,i)perylene	21.69	276	58171	6.60	ng	# 92

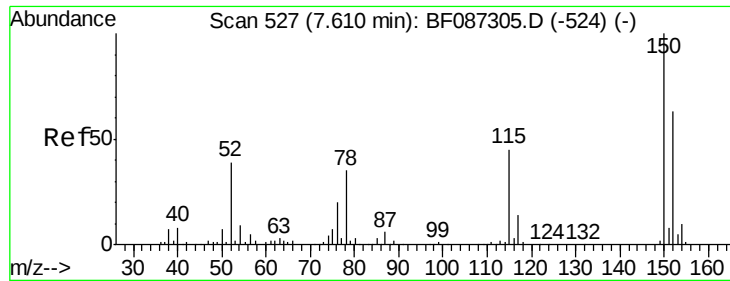
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF087470.D

Acq: 28 May 2016 6:37

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)

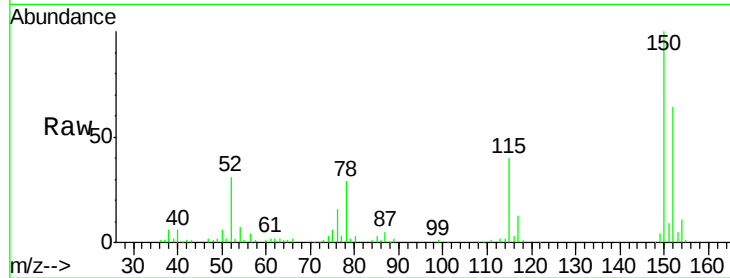
Tgt Ion: 152 Resp: 109707

Ion Ratio Lower Upper

152 100

150 155.1 125.8 188.6

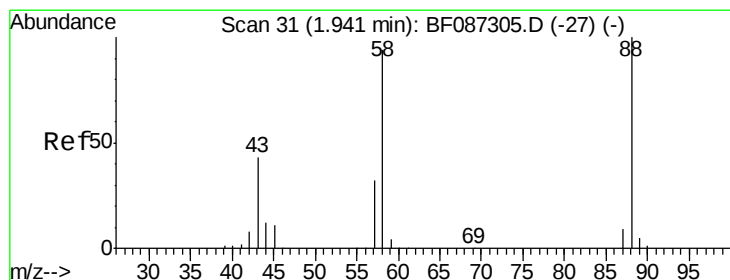
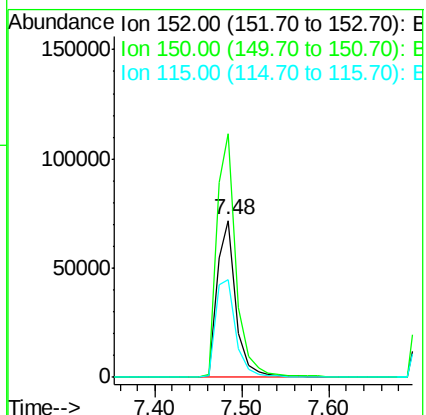
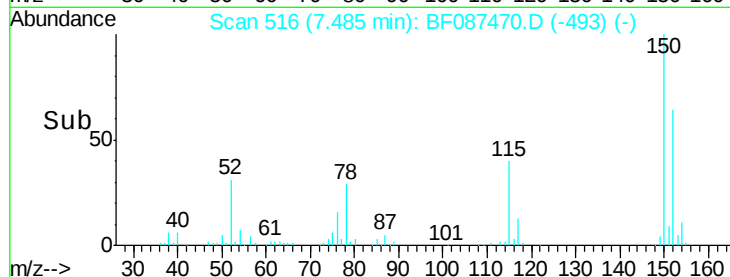
115 62.1 51.5 77.3



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: 30.99 ng

RT: 1.63 min Scan# 4

Delta R.T. -0.18 min

Lab File: BF087470.D

Acq: 28 May 2016 6:37

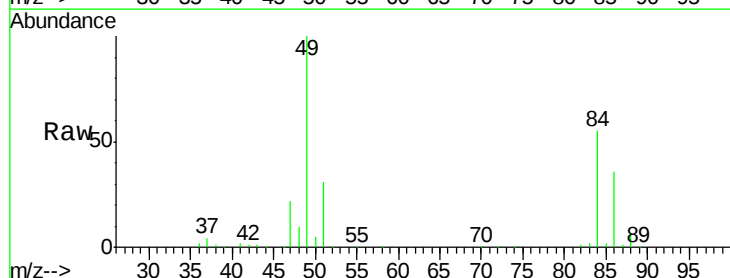
Tgt Ion: 88 Resp: 102109

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

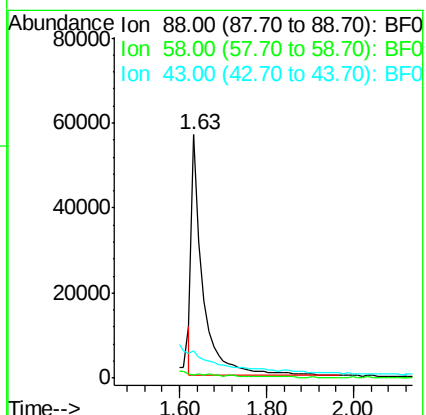
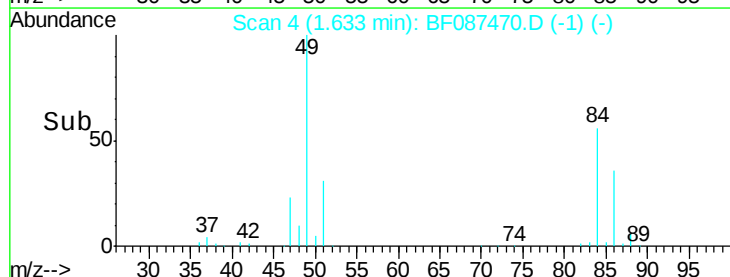
43 0.0 21.8 32.6#

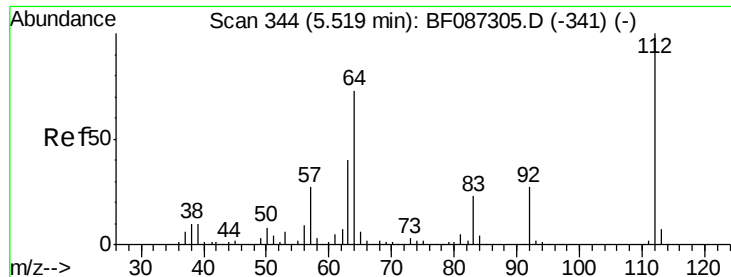


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 55.54 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.03 min

Lab File: BF087470.D

Acq: 28 May 2016 6:37

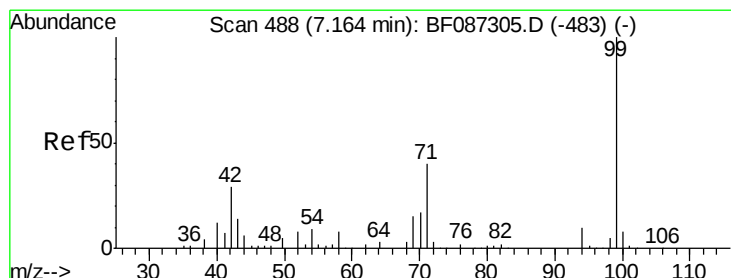
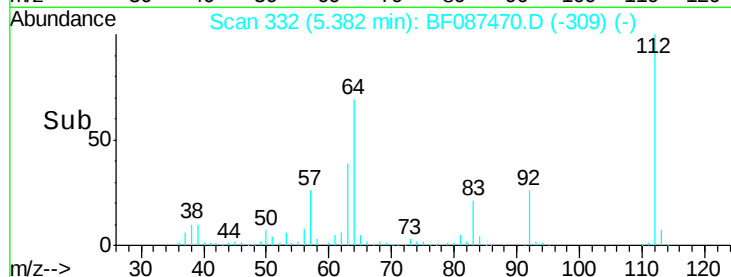
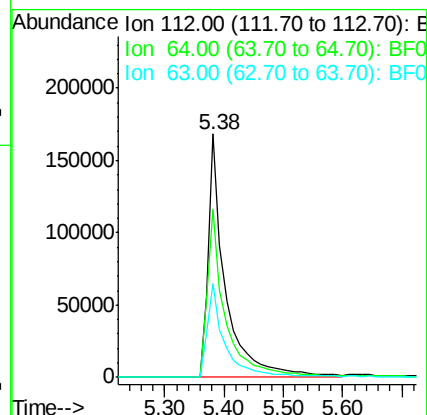
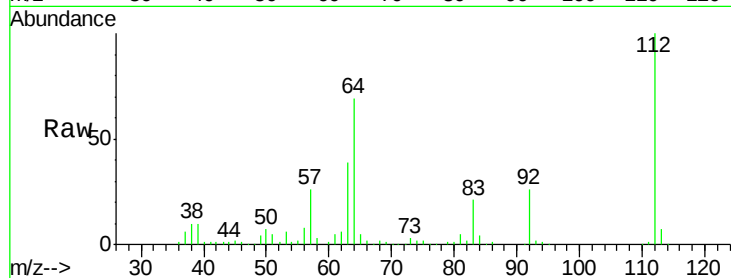
Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)

Tgt Ion:	112	Resp:	346782
Ion Ratio	Lower	Upper	
112	100		
64	69.0	52.1	78.1
63	38.5	25.7	38.5#



#7

Phenol-d6

Concen: 66.90 ng

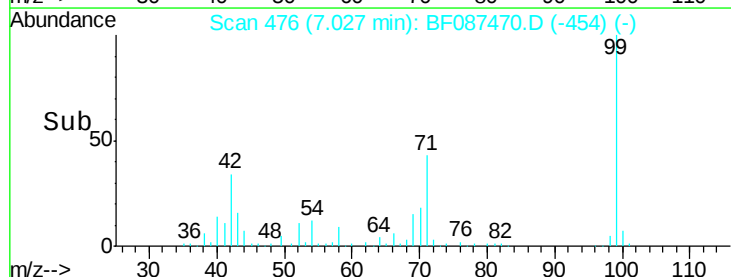
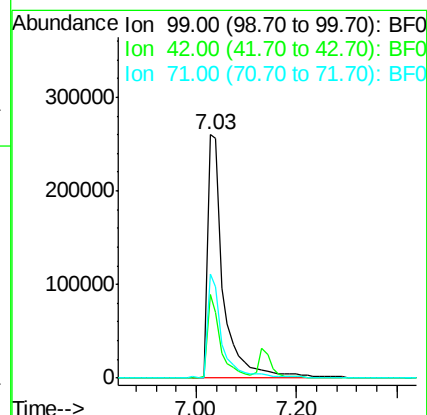
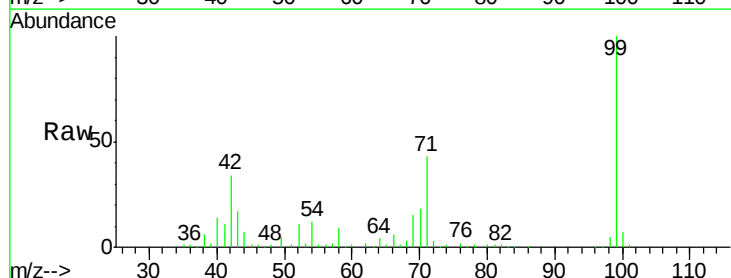
RT: 7.03 min Scan# 476

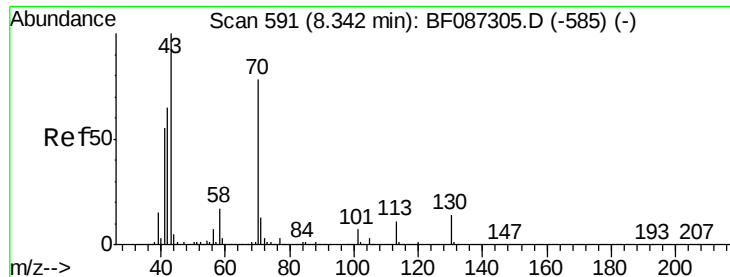
Delta R.T. -0.05 min

Lab File: BF087470.D

Acq: 28 May 2016 6:37

Tgt Ion:	99	Resp:	564413
Ion Ratio	Lower	Upper	
99	100		
42	34.4	13.6	20.4#
71	43.0	24.6	36.8#

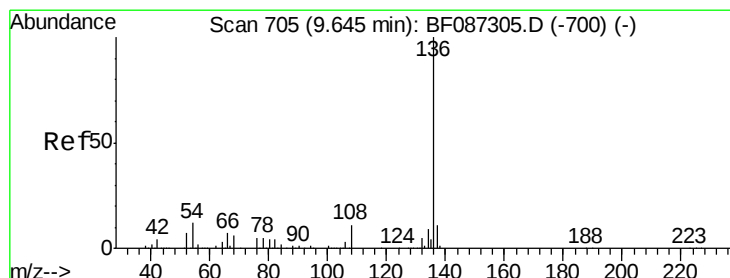
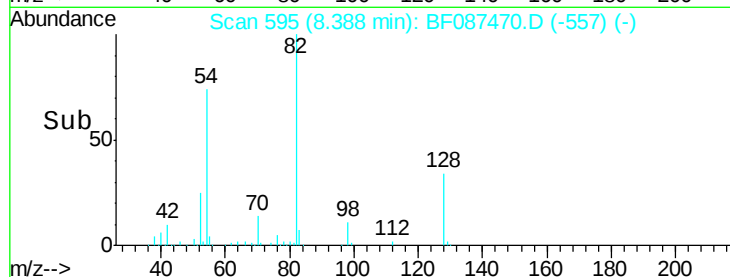
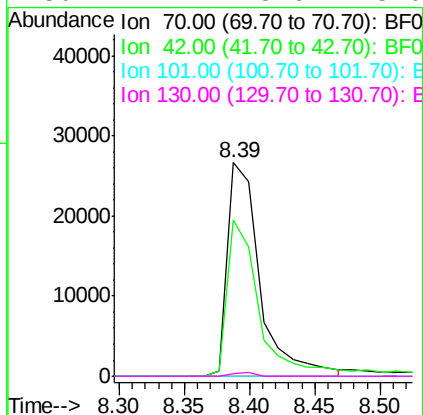
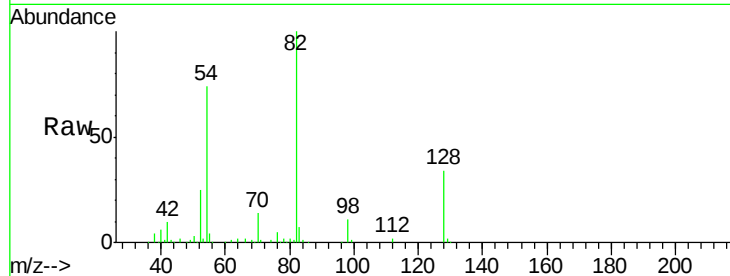




#19
n-Nitroso-di-n-propylamine
Concen: 7.36 ng
RT: 8.39 min Scan# 595
Delta R.T. 0.14 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

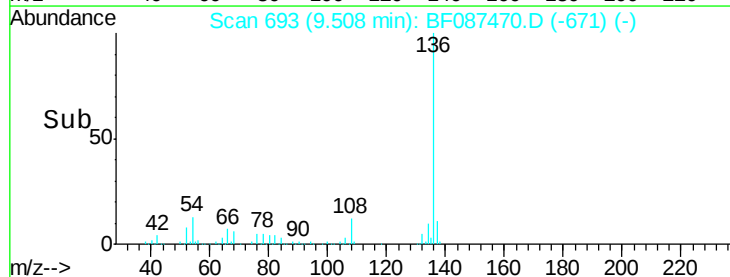
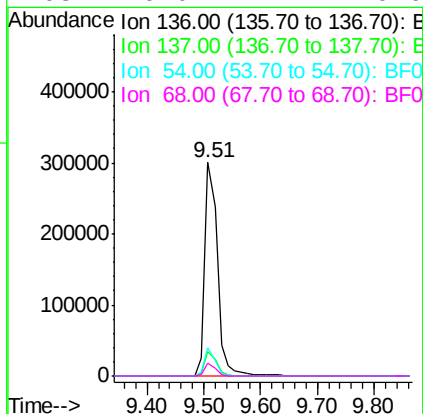
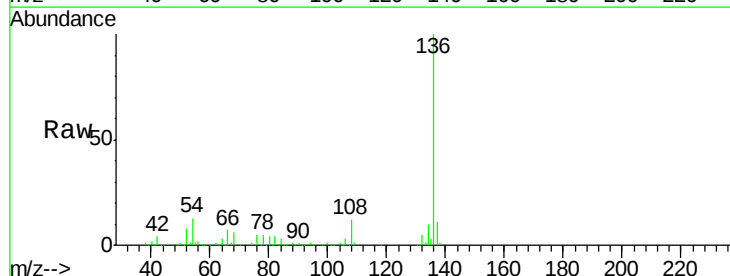
Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)

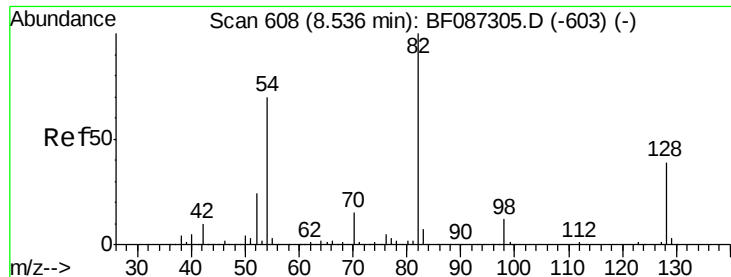
Tgt Ion: 70 Resp: 46283
Ion Ratio Lower Upper
70 100
42 73.0 43.1 64.7#
101 0.0 8.1 12.1#
130 1.2 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.05 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion: 136 Resp: 446078
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 13.1 5.0 7.4#
68 6.0 4.4 6.6

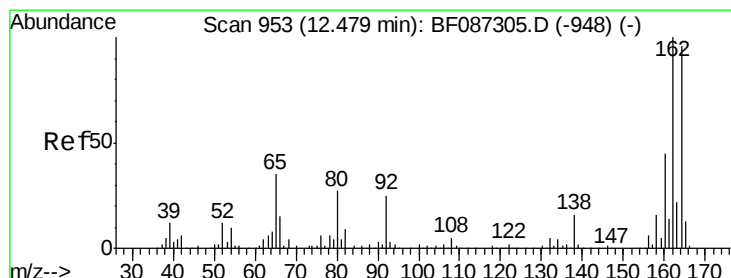
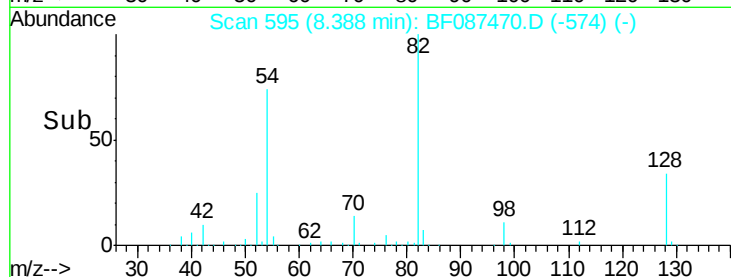
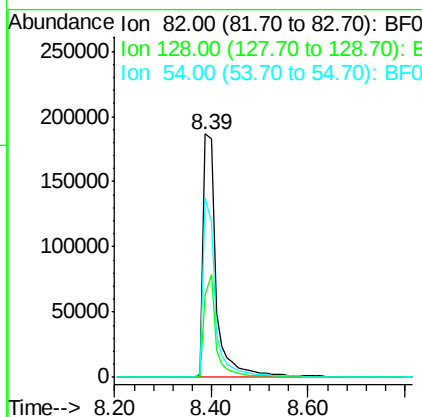
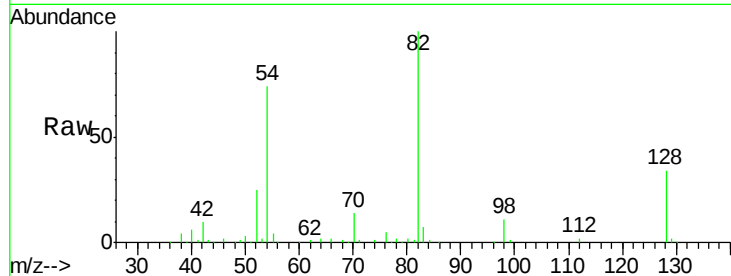




#23
 Nitrobenzene-d5
 Concen: 40.11 ng
 RT: 8.39 min Scan# 595
 Delta R.T. -0.06 min
 Lab File: BF087470.D
 Acq: 28 May 2016 6:37

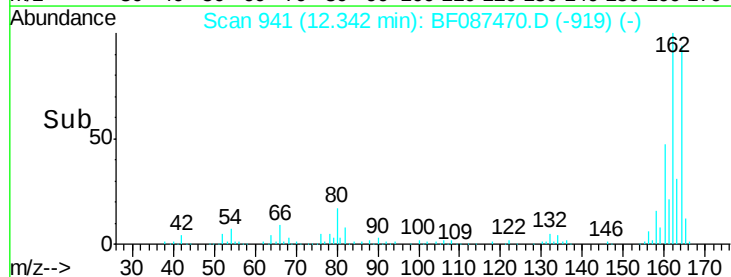
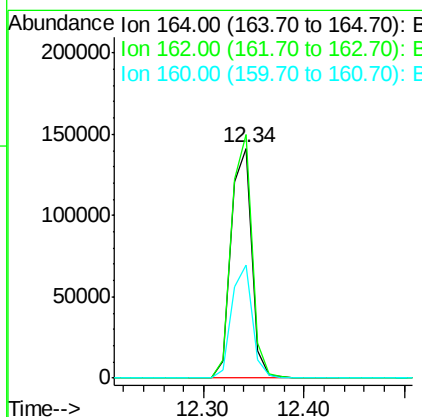
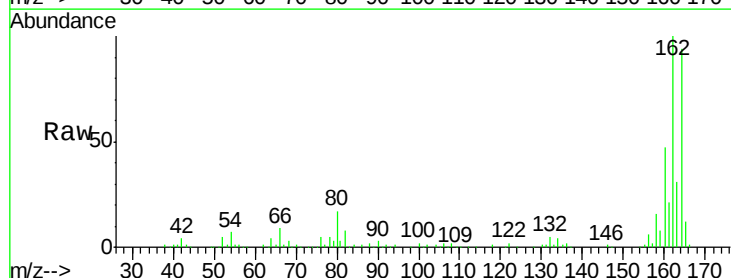
Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1672(0-4)

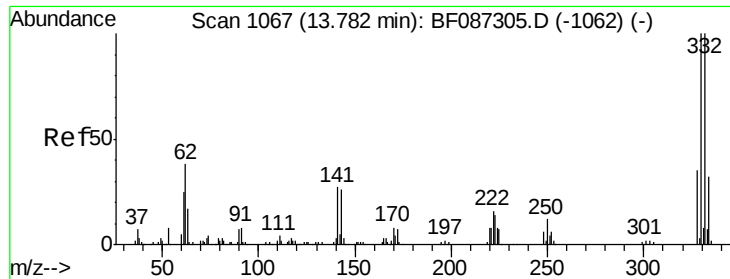
Tgt Ion: 82 Resp: 355001
 Ion Ratio Lower Upper
 82 100
 128 33.9 40.6 61.0#
 54 73.5 38.1 57.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.34 min Scan# 941
 Delta R.T. -0.05 min
 Lab File: BF087470.D
 Acq: 28 May 2016 6:37

Tgt Ion: 164 Resp: 201578
 Ion Ratio Lower Upper
 164 100
 162 106.0 82.8 124.2
 160 49.3 36.9 55.3

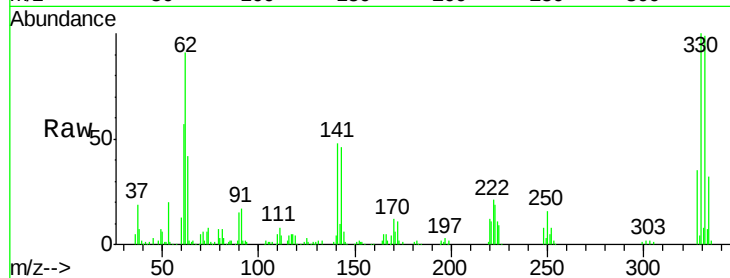




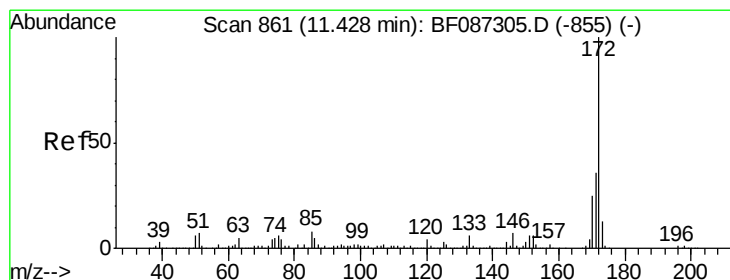
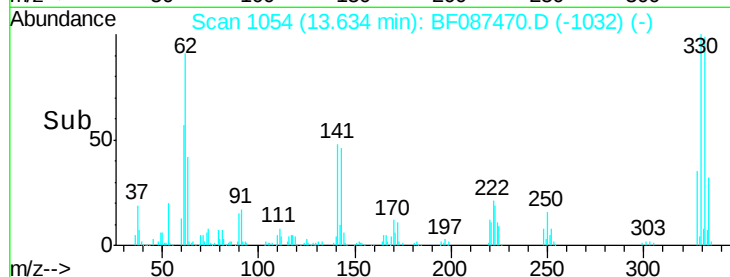
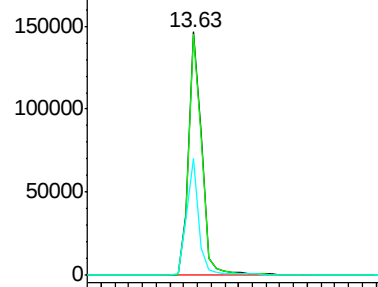
#41
 2,4,6-Tribromophenol
 Concen: 104.24 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. -0.05 min
 Lab File: BF087470.D
 Acq: 28 May 2016 6:37

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

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.3	79.0	118.4
141	45.0	31.2	46.8

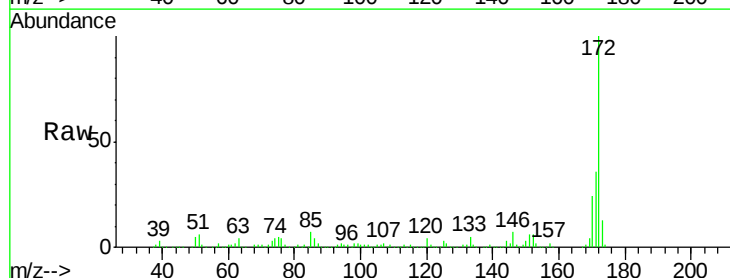


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

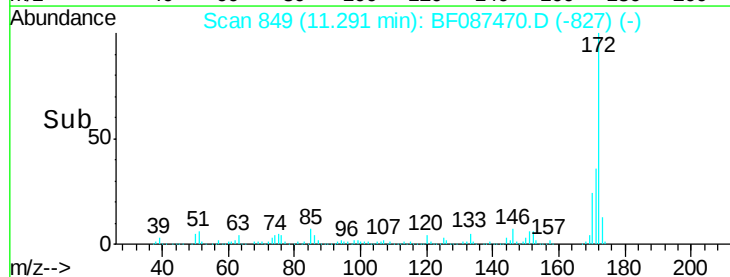
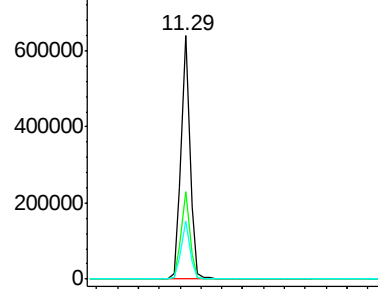


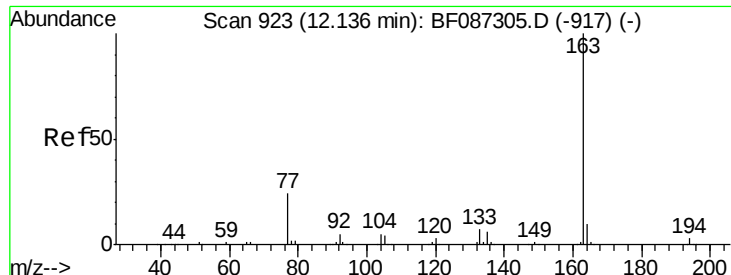
#44
 2-Fluorobiphenyl
 Concen: 53.78 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.05 min
 Lab File: BF087470.D
 Acq: 28 May 2016 6:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.6
170	23.9	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

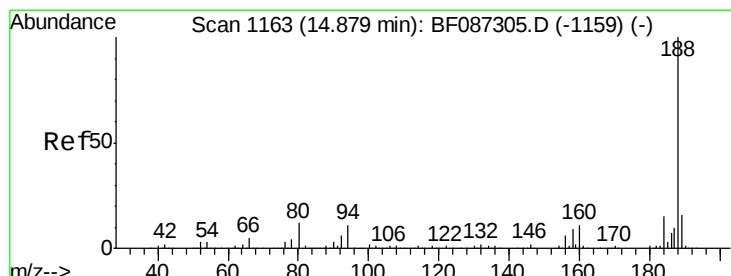
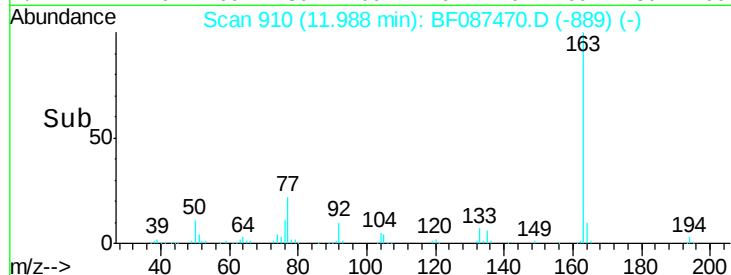
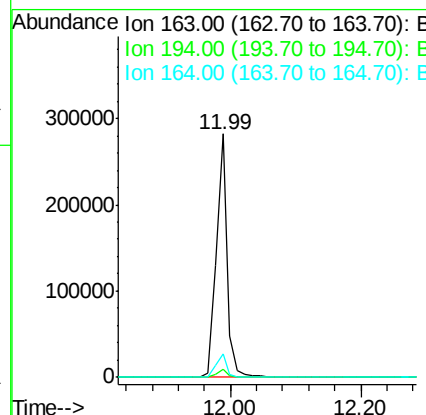
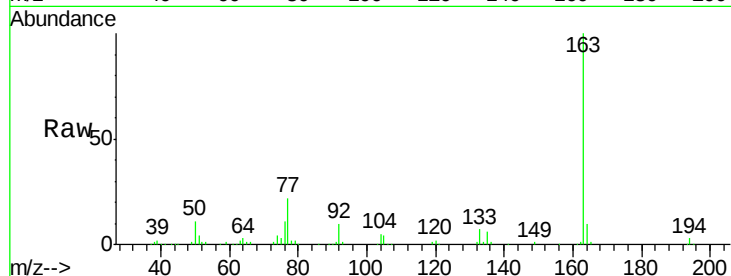




#49
Dimethylphthalate
Concen: 20.53 ng
RT: 11.99 min Scan# 910
Delta R.T. -0.06 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

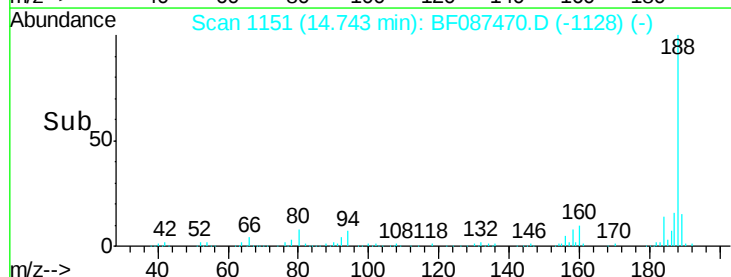
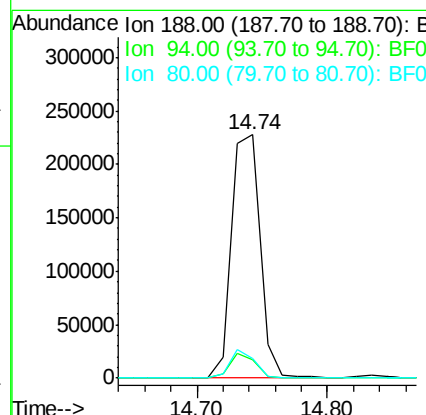
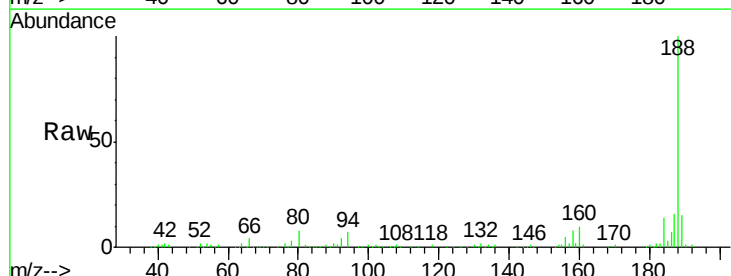
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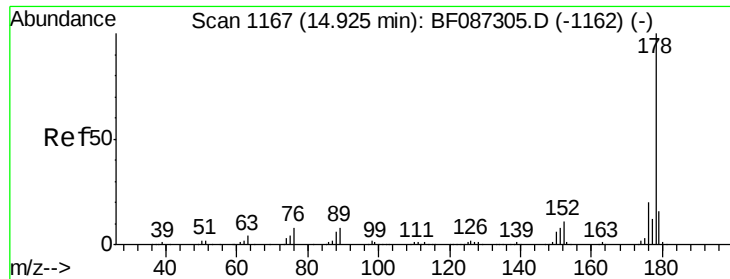
Tgt Ion:163 Resp: 331519
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.9 8.2 12.4



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:188 Resp: 347030
Ion Ratio Lower Upper
188 100
94 7.4 6.8 10.2
80 8.2 7.1 10.7

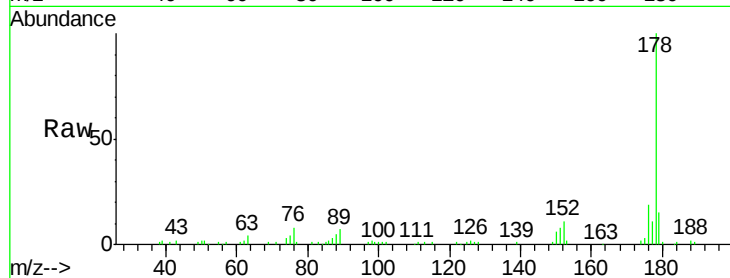




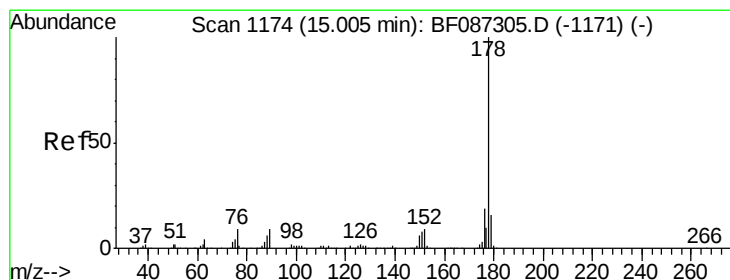
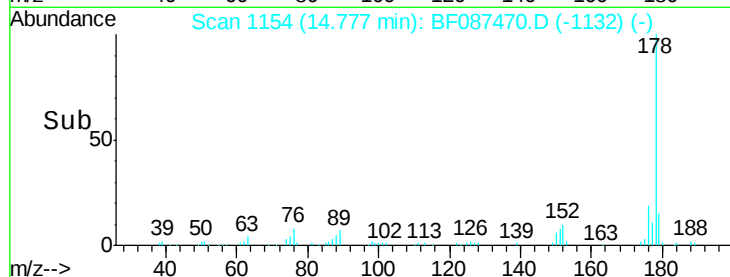
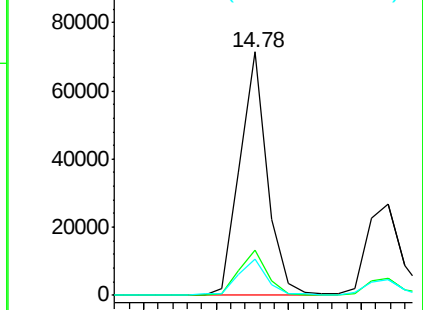
#70
Phenanthrene
Concen: 4.90 ng
RT: 14.78 min Scan# 1154
Delta R.T. -0.05 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

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

Tgt Ion:178 Resp: 94200
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 14.8 12.6 18.8

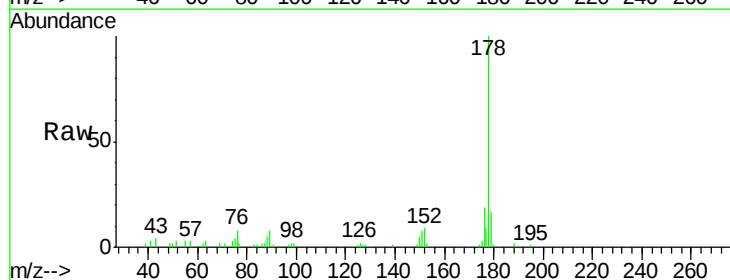


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

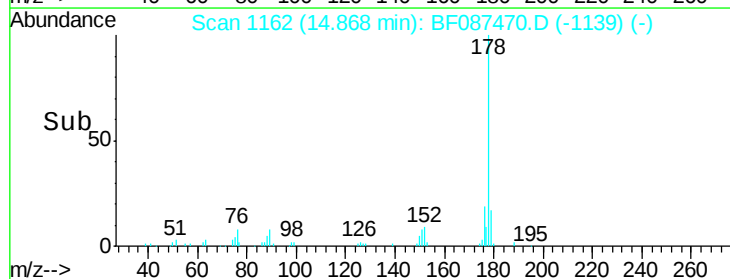
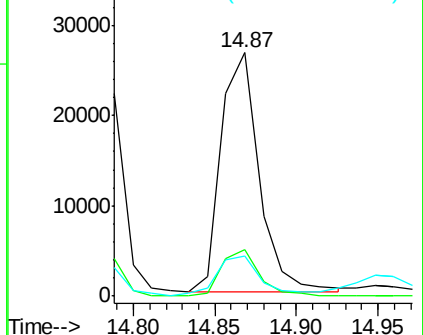


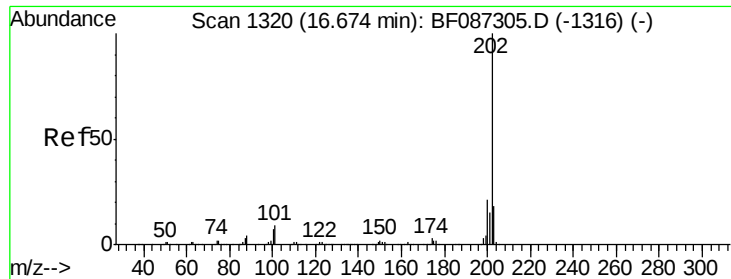
#71
Anthracene
Concen: 2.23 ng
RT: 14.87 min Scan# 1162
Delta R.T. -0.03 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:178 Resp: 43345
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 16.7 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 15.95 ng

RT: 16.54 min Scan# 1308

Delta R.T. -0.05 min

Lab File: BF087470.D

Acq: 28 May 2016 6:37

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)

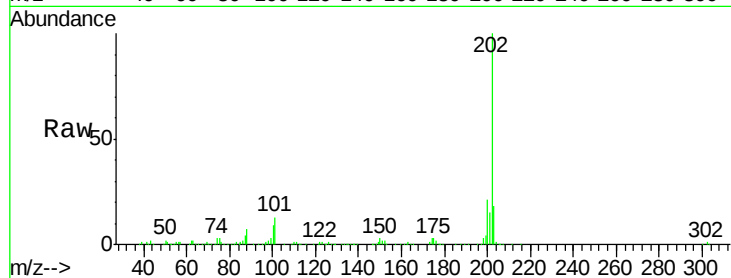
Tgt Ion:202 Resp: 307449

Ion Ratio Lower Upper

202 100

101 12.9 0.0 35.4

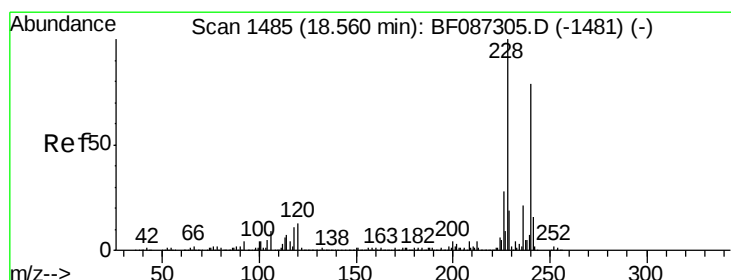
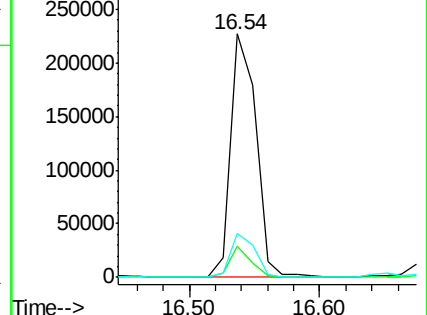
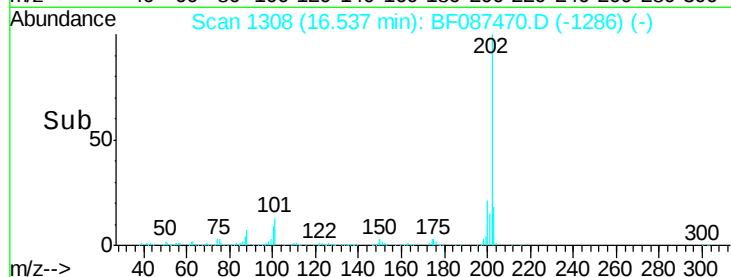
203 17.8 0.0 38.1



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: BF087470.D

Acq: 28 May 2016 6:37

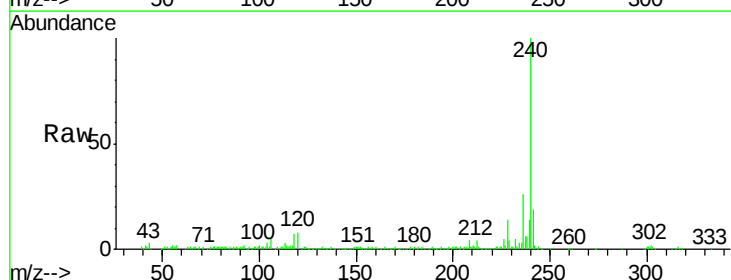
Tgt Ion:240 Resp: 246889

Ion Ratio Lower Upper

240 100

120 7.8 11.2 16.8#

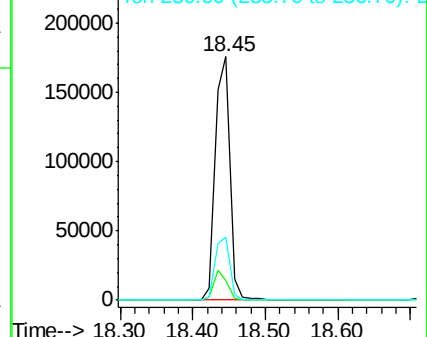
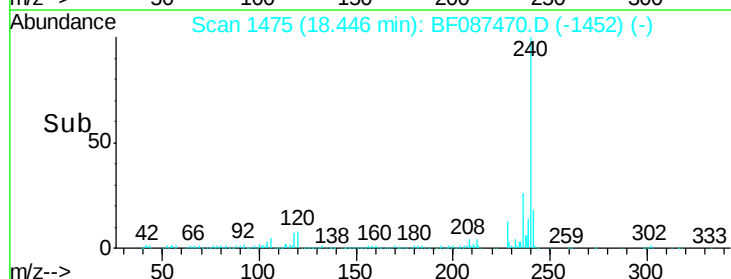
236 25.7 21.2 31.8

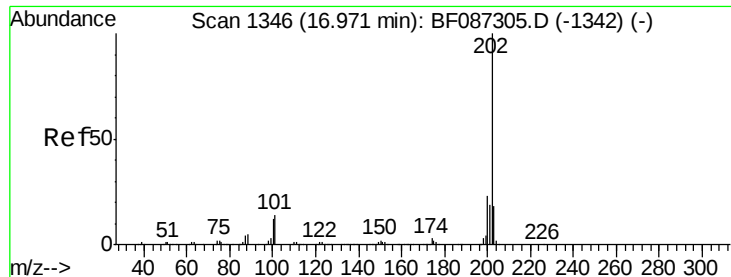


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

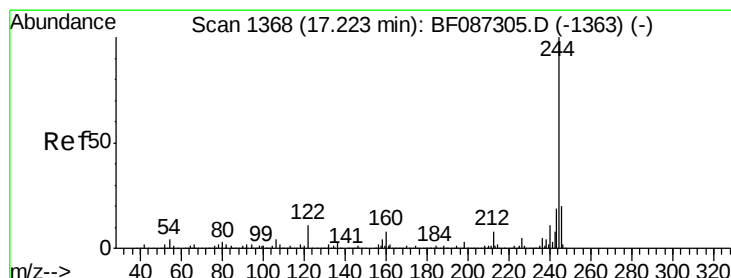
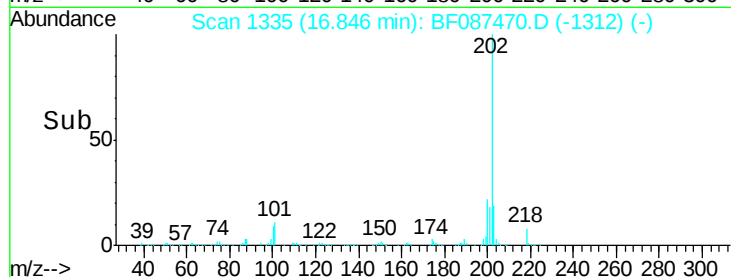
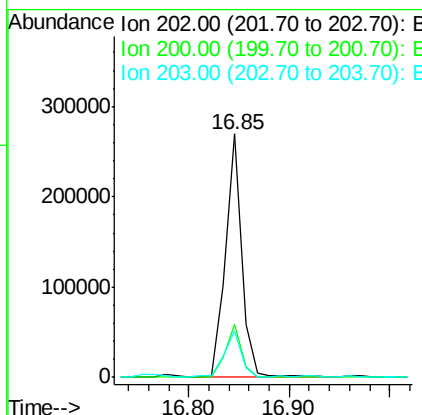
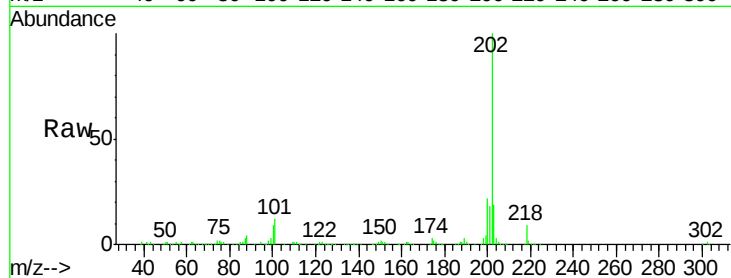




#77
 Pyrene
 Concen: 16.90 ng
 RT: 16.85 min Scan# 1335
 Delta R.T. -0.03 min
 Lab File: BF087470.D
 Acq: 28 May 2016 6:37

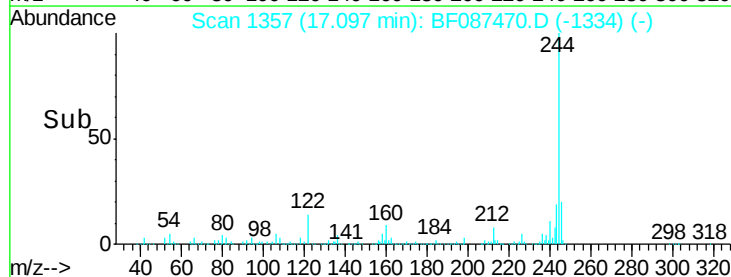
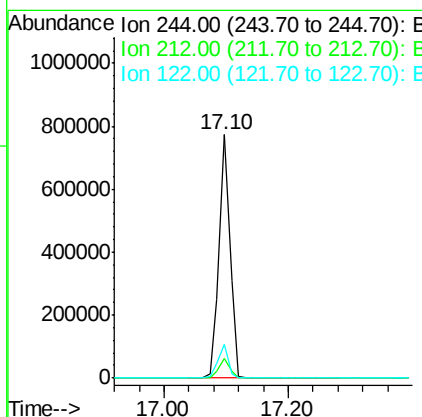
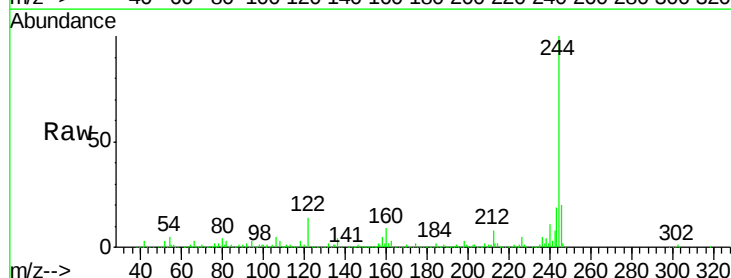
Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1672(0-4)

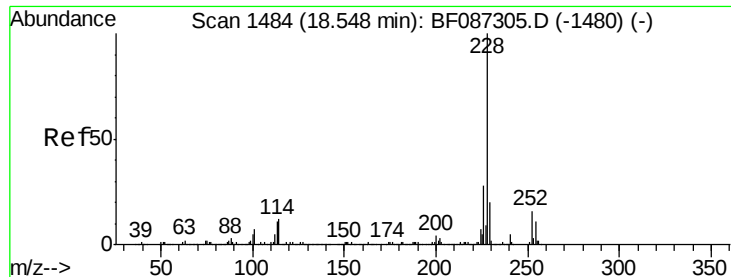
Tgt Ion: 202 Resp: 300408
 Ion Ratio Lower Upper
 202 100
 200 21.8 17.7 26.5
 203 19.3 14.2 21.4



#78
 Terphenyl-d14
 Concen: 80.49 ng
 RT: 17.10 min Scan# 1357
 Delta R.T. -0.03 min
 Lab File: BF087470.D
 Acq: 28 May 2016 6:37

Tgt Ion: 244 Resp: 934734
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.2 9.2
 122 14.0 12.0 18.0





#80

Benzo(a)anthracene

Concen: 11.75 ng

RT: 18.47 min Scan# 1477

Delta R.T. 0.01 min

Lab File: BF087470.D

Acq: 28 May 2016 6:37

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)

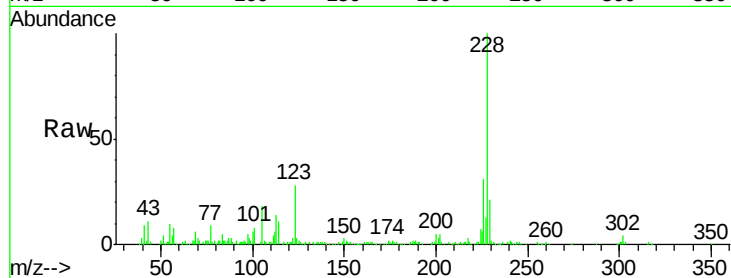
Tgt Ion:228 Resp: 164963

Ion Ratio Lower Upper

228 100

226 30.8 22.5 33.7

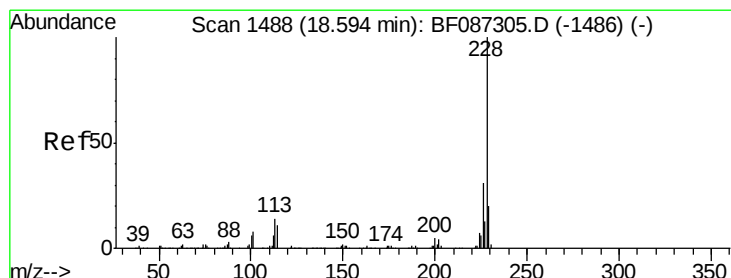
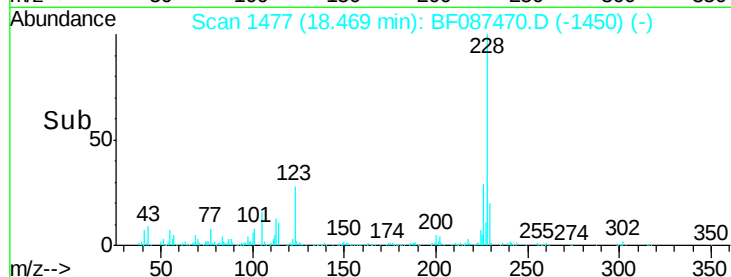
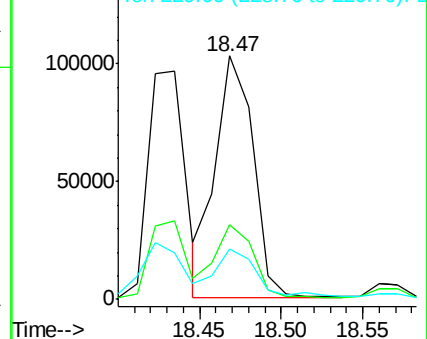
229 20.6 16.6 25.0



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: 11.93 ng

RT: 18.47 min Scan# 1477

Delta R.T. -0.05 min

Lab File: BF087470.D

Acq: 28 May 2016 6:37

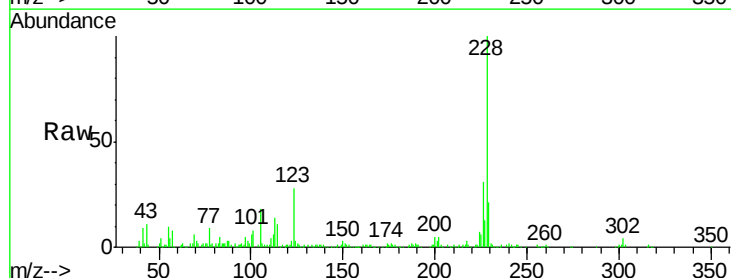
Tgt Ion:228 Resp: 166299

Ion Ratio Lower Upper

228 100

226 30.8 24.4 36.6

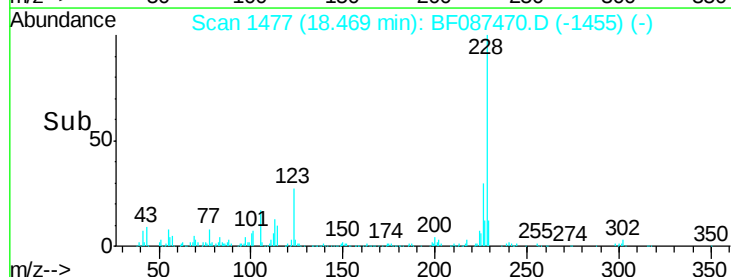
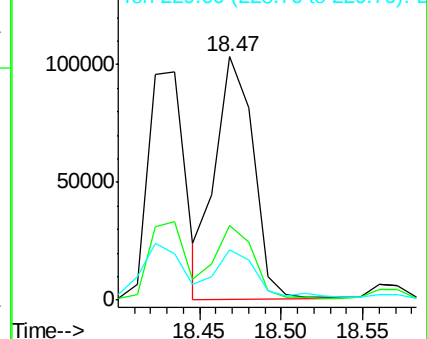
229 20.6 15.8 23.8

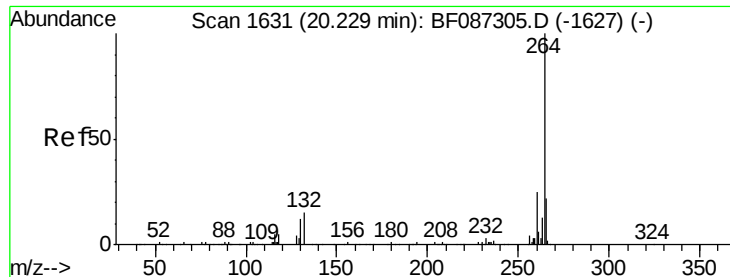


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

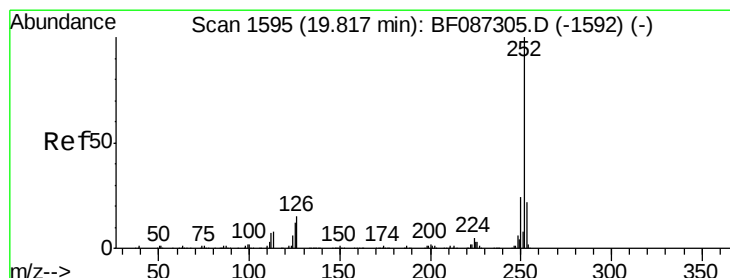
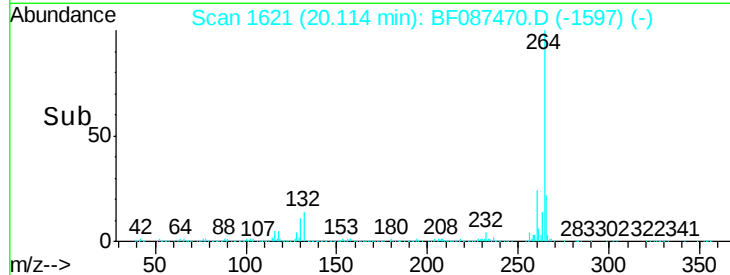
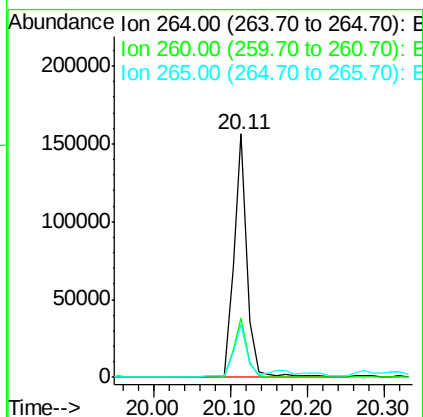
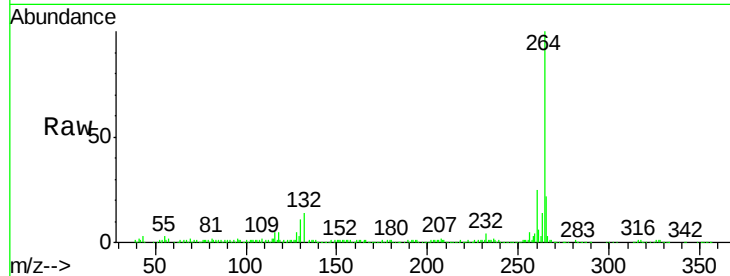




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.11 min Scan# 1621
Delta R.T. -0.02 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

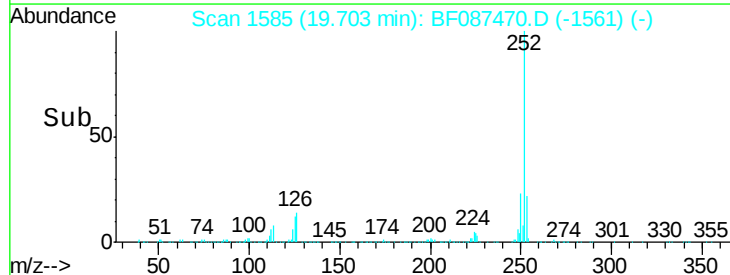
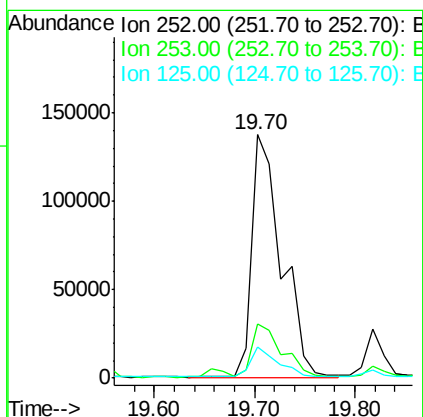
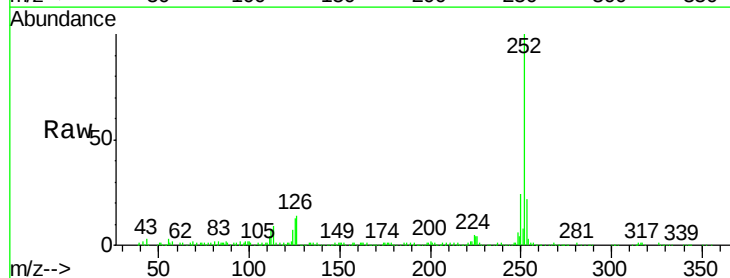
Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)

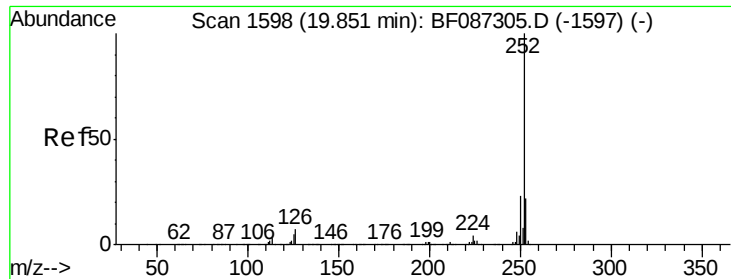
Tgt Ion:264 Resp: 190093
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 21.8 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 23.19 ng
RT: 19.70 min Scan# 1585
Delta R.T. -0.02 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:252 Resp: 280779
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 12.9 11.4 17.0

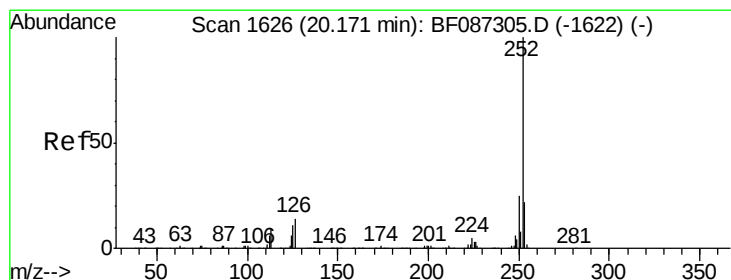
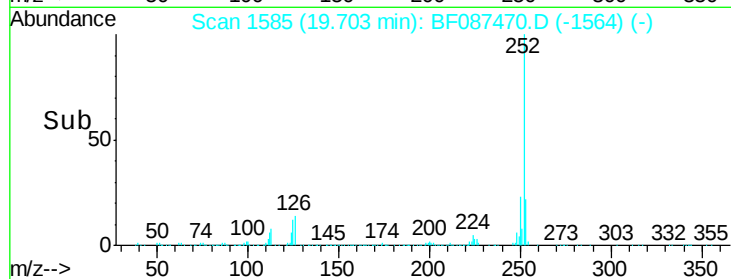
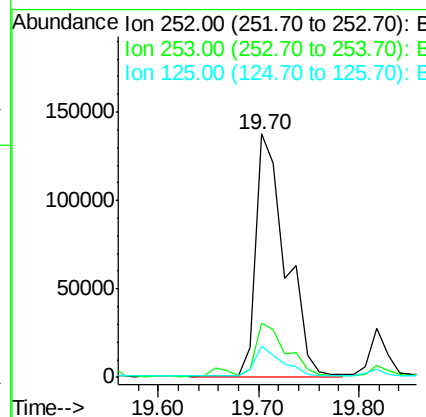
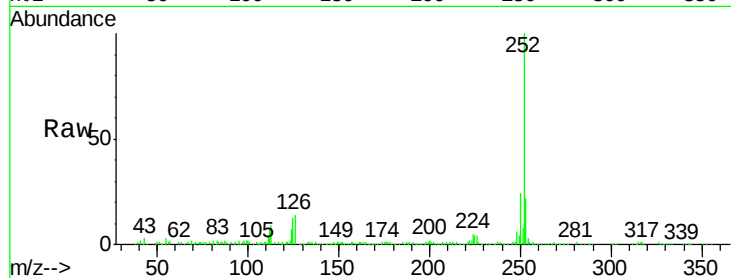




#88
Benzo(k)fluoranthene
Concen: 26.94 ng
RT: 19.70 min Scan# 1585
Delta R.T. -0.06 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

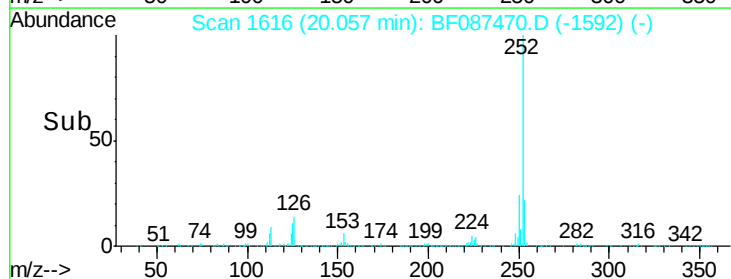
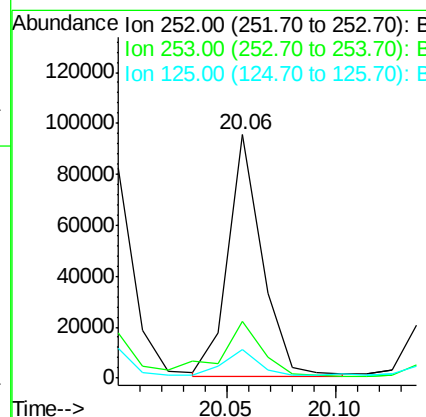
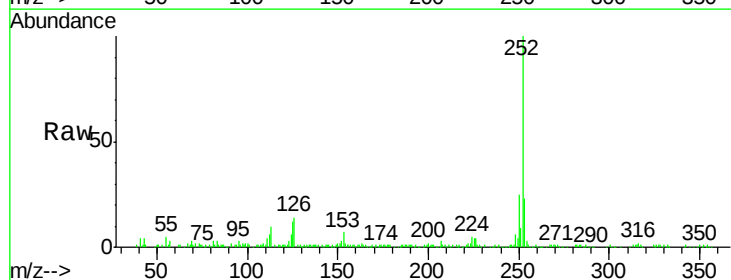
Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)

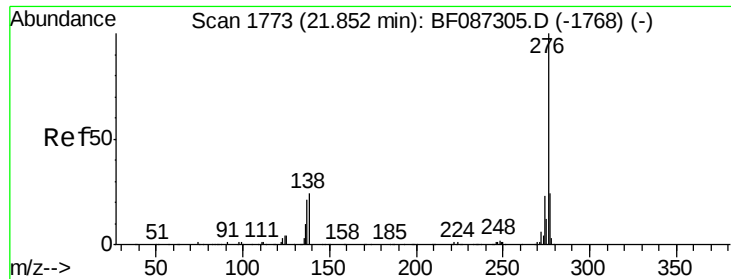
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	12.9	9.1	13.7



#89
Benzo(a)pyrene
Concen: 9.84 ng
RT: 20.06 min Scan# 1616
Delta R.T. -0.02 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	11.5	9.0	13.6





#91

Benzo(g,h,i)perylene

Concen: 6.60 ng

RT: 21.69 min Scan# 1759

Delta R.T. -0.02 min

Lab File: BF087470.D

Acq: 28 May 2016 6:37

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)

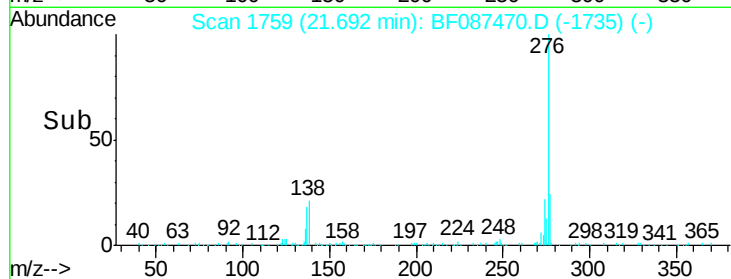
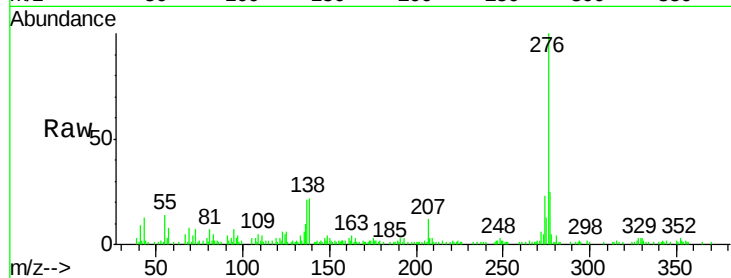
Tgt Ion: 276 Resp: 58171

Ion Ratio Lower Upper

276 100

277 25.1 19.6 29.4

138 22.4 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

