

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053116\
 Data File : BF087618.D
 Acq On : 1 Jun 2016 12:17
 Operator : UM/SJ
 Sample : H3190-13RE
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

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

Quant Time: Jun 01 13:37:01 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

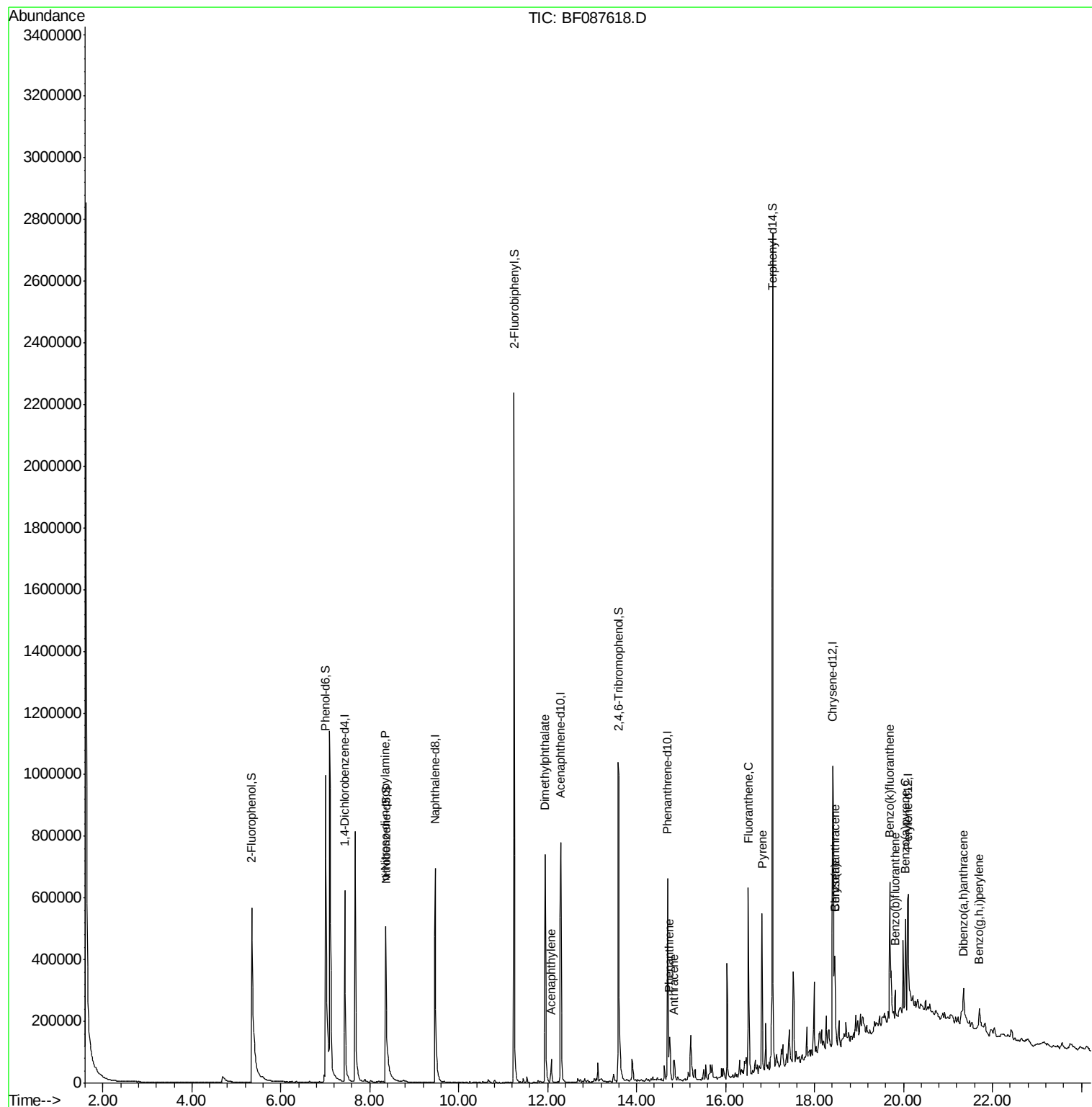
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	128480	20.00	ng	-0.08
21) Naphthalene-d8	9.47	136	527855	20.00	ng	-0.08
38) Acenaphthene-d10	12.30	164	216359	20.00	ng	-0.09
63) Phenanthrene-d10	14.70	188	332665	20.00	ng	-0.08
75) Chrysene-d12	18.41	240	281353	20.00	ng	-0.07
86) Perylene-d12	20.10	264	228966	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	410541	56.15	ng	-0.07
7) Phenol-d6	7.00	99	663965	67.20	ng	-0.07
23) Nitrobenzene-d5	8.36	82	403528	38.53	ng	-0.08
41) 2,4,6-Tribromophenol	13.60	330	189634	91.21	ng	-0.08
44) 2-Fluorobiphenyl	11.24	172	866441	56.46	ng	-0.09
78) Terphenyl-d14	17.06	244	991051	74.89	ng	-0.07
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.35	70	46880	6.36	ng	# 65
48) Acenaphthylene	12.08	152	49806	2.26	ng	97
49) Dimethylphthalate	11.94	163	372344	21.48	ng	100
70) Phenanthrene	14.74	178	90635	4.92	ng	99
71) Anthracene	14.85	178	62478	3.36	ng	99
74) Fluoranthene	16.51	202	309019	16.72	ng	93
77) Pyrene	16.82	202	306581	15.14	ng	98
80) Benzo(a)anthracene	18.46	228	191464	11.96	ng	96
82) Chrysene	18.46	228	192983	12.15	ng	99
87) Benzo(b)fluoranthene	19.82	252	39054	2.68	ng	94
88) Benzo(k)fluoranthene	19.69	252	335266	26.71	ng	99
89) Benzo(a)pyrene	20.05	252	126301	10.01	ng	# 89
90) Dibenzo(a,h)anthracene	21.34	278	23562	2.19	ng	94
91) Benzo(g,h,i)perylene	21.70	276	62269	5.87	ng	94

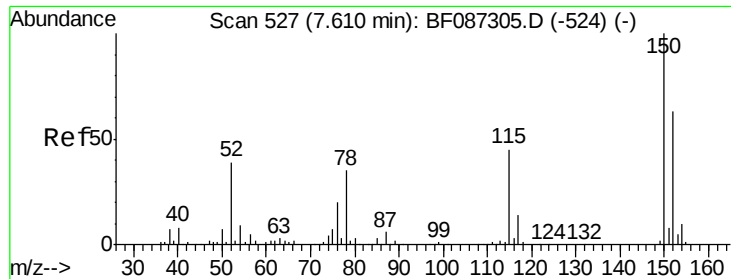
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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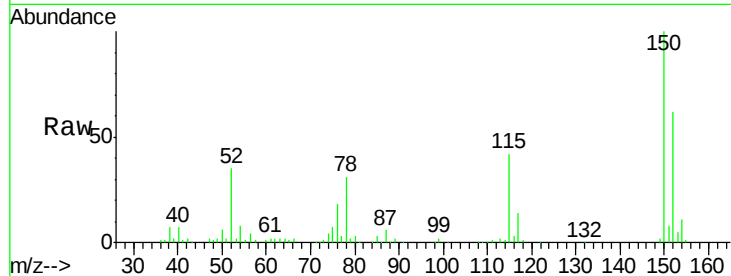




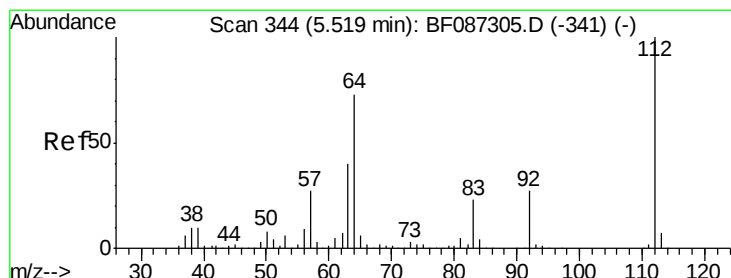
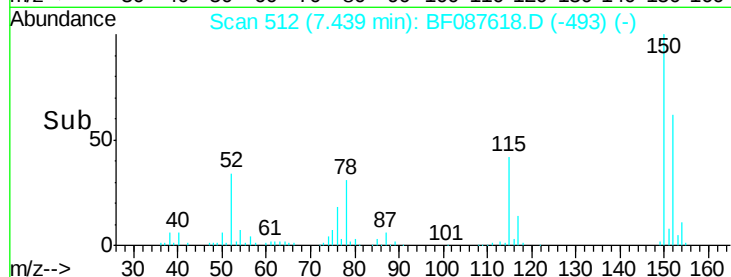
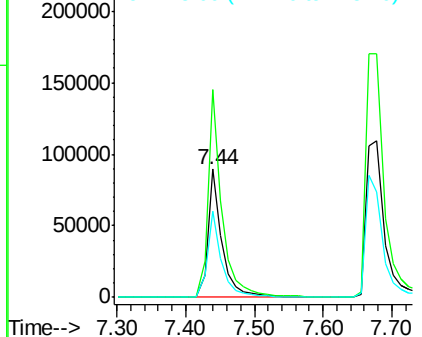
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.44 min Scan# 512
 Delta R.T. -0.08 min
 Lab File: BF087618.D
 Acq: 1 Jun 2016 12:17

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

Tgt Ion:152 Resp: 128480
 Ion Ratio Lower Upper
 152 100
 150 161.9 125.8 188.6
 115 67.6 51.5 77.3

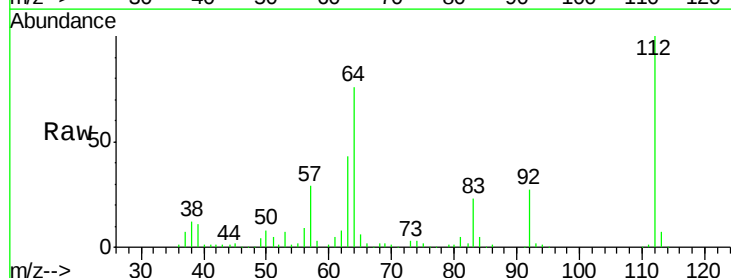


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

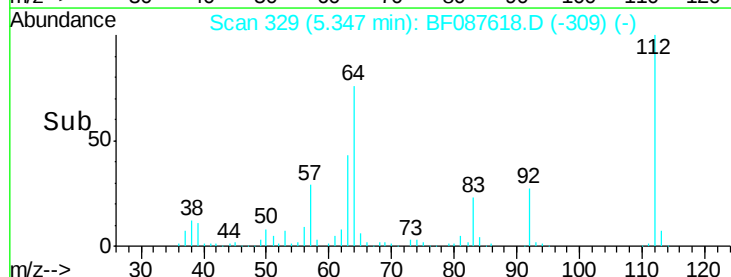
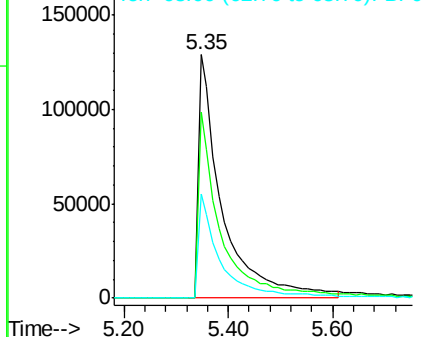


#5
 2-Fluorophenol
 Concen: 56.15 ng
 RT: 5.35 min Scan# 329
 Delta R.T. -0.07 min
 Lab File: BF087618.D
 Acq: 1 Jun 2016 12:17

Tgt Ion:112 Resp: 410541
 Ion Ratio Lower Upper
 112 100
 64 76.4 52.1 78.1
 63 42.9 25.7 38.5#



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 67.20 ng

RT: 7.00 min Scan# 474

Delta R.T. -0.07 min

Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)RE

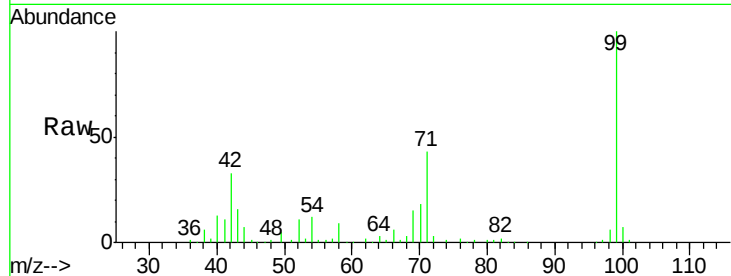
Tgt Ion: 99 Resp: 663965

Ion Ratio Lower Upper

99 100

42 32.8 13.6 20.4#

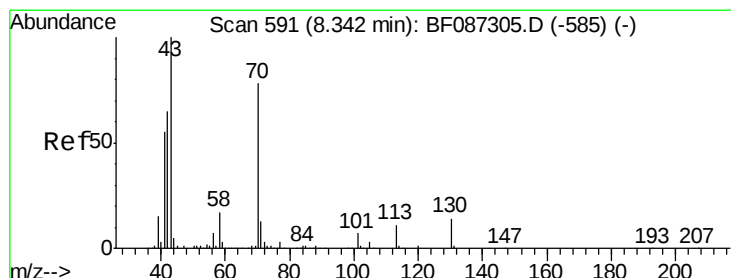
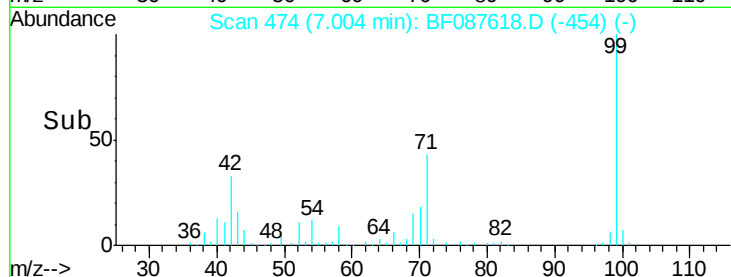
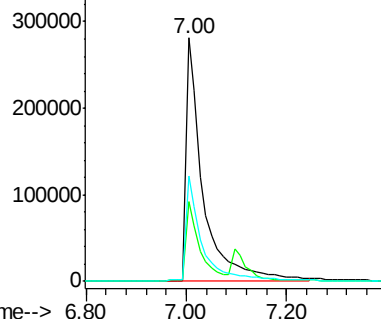
71 43.2 24.6 36.8#



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.36 ng

RT: 8.35 min Scan# 592

Delta R.T. 0.10 min

Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

Tgt Ion: 70 Resp: 46880

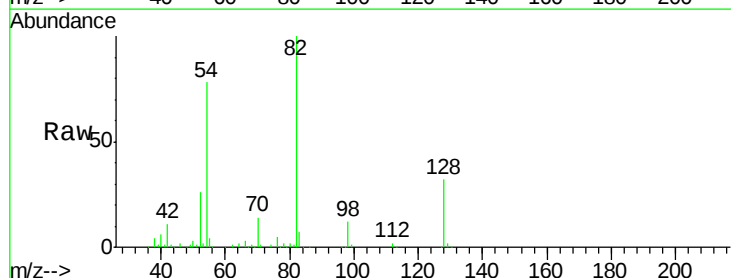
Ion Ratio Lower Upper

70 100

42 76.8 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

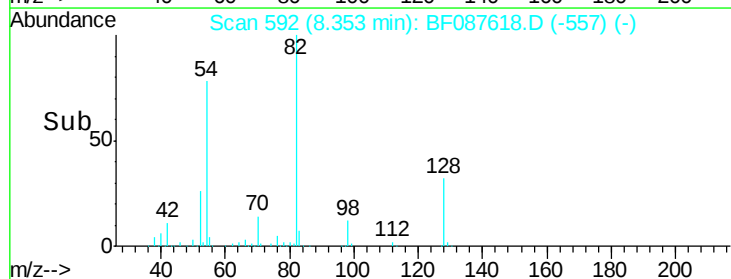
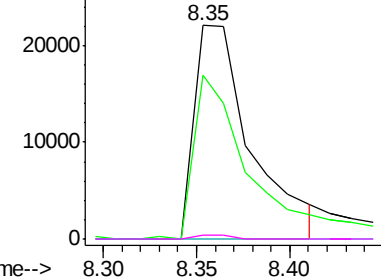


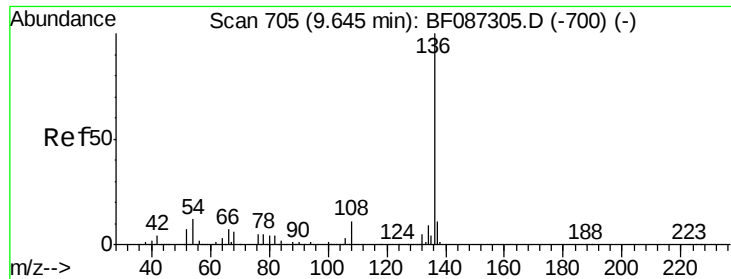
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.08 min

Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)RE

Tgt Ion:136 Resp: 527855

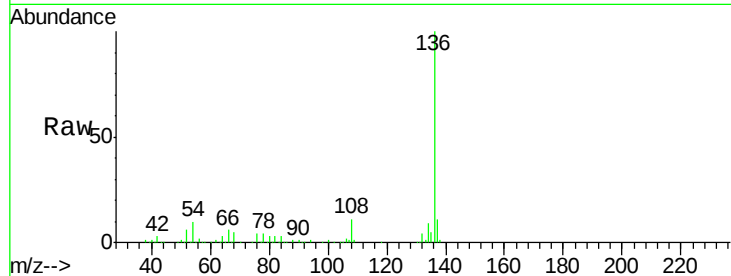
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 9.8 5.0 7.4#

68 4.8 4.4 6.6

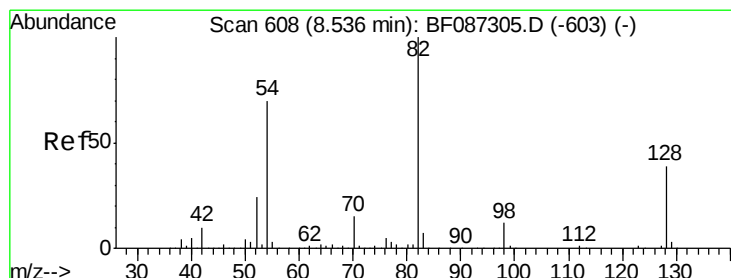
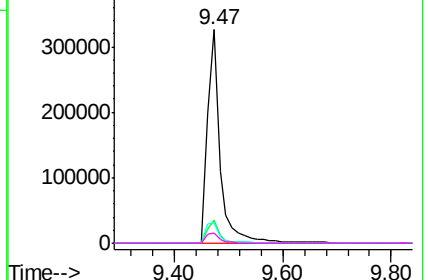
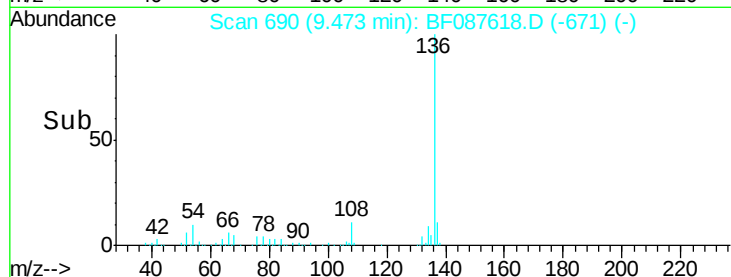


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 38.53 ng

RT: 8.36 min Scan# 593

Delta R.T. -0.08 min

Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

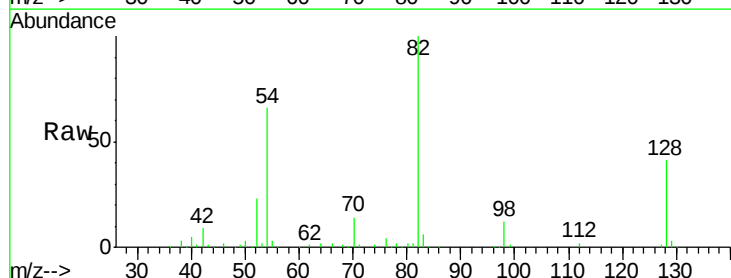
Tgt Ion: 82 Resp: 403528

Ion Ratio Lower Upper

82 100

128 41.2 40.6 61.0

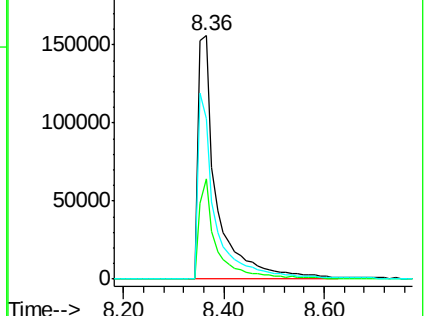
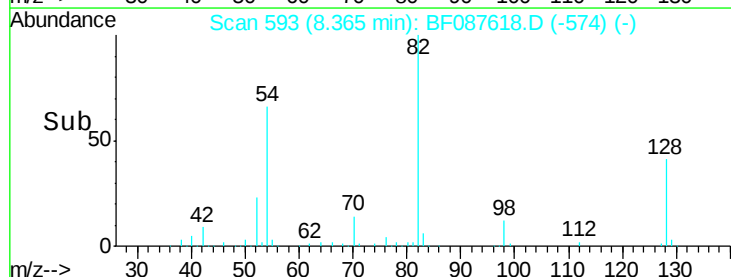
54 66.1 38.1 57.1#



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

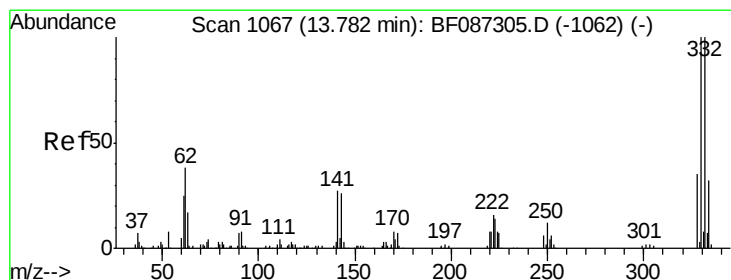
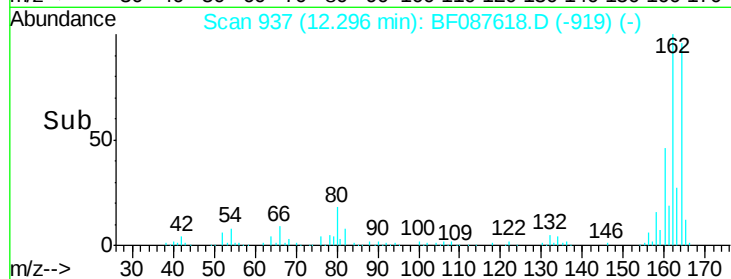
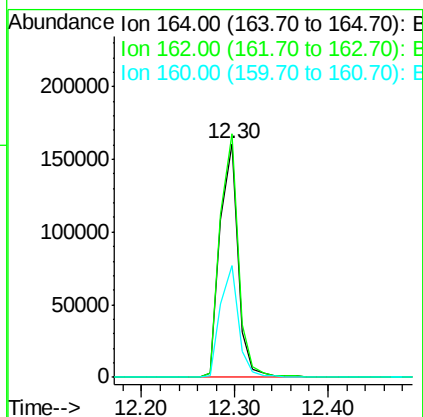
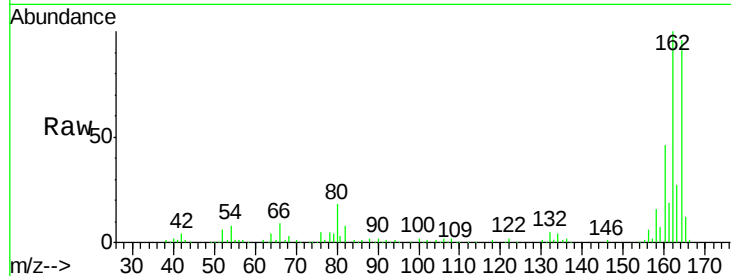




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.30 min Scan# 937
 Delta R.T. -0.09 min
 Lab File: BF087618.D
 Acq: 1 Jun 2016 12:17

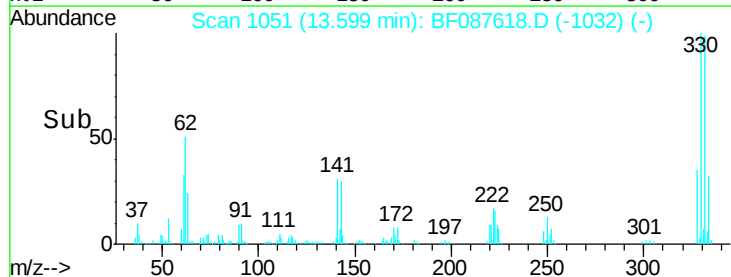
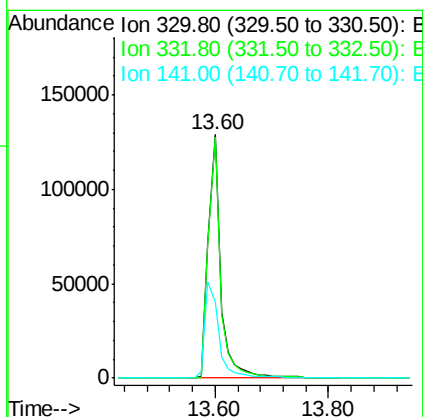
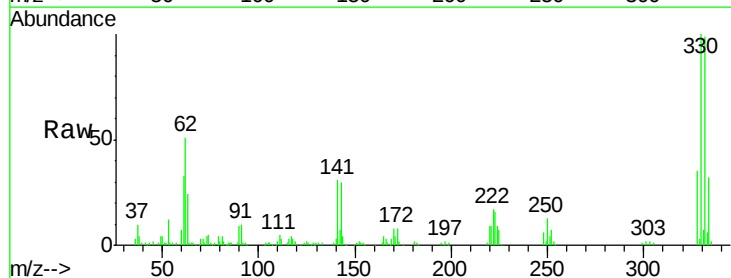
Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1672(0-4)RE

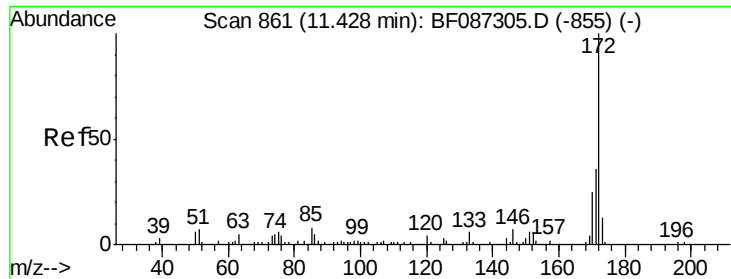
Tgt Ion:164 Resp: 216359
 Ion Ratio Lower Upper
 164 100
 162 104.1 82.8 124.2
 160 47.8 36.9 55.3



#41
 2,4,6-Tribromophenol
 Concen: 91.21 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.08 min
 Lab File: BF087618.D
 Acq: 1 Jun 2016 12:17

Tgt Ion:330 Resp: 189634
 Ion Ratio Lower Upper
 330 100
 332 98.0 79.0 118.4
 141 44.9 31.2 46.8





#44

2-Fluorobiphenyl

Concen: 56.46 ng

RT: 11.24 min Scan# 845

Delta R.T. -0.09 min

Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)RE

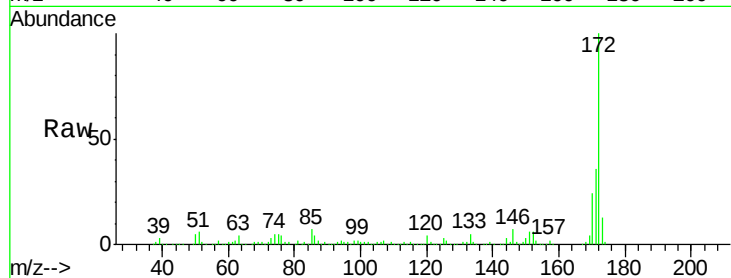
Tgt Ion:172 Resp: 866441

Ion Ratio Lower Upper

172 100

171 35.7 29.0 43.6

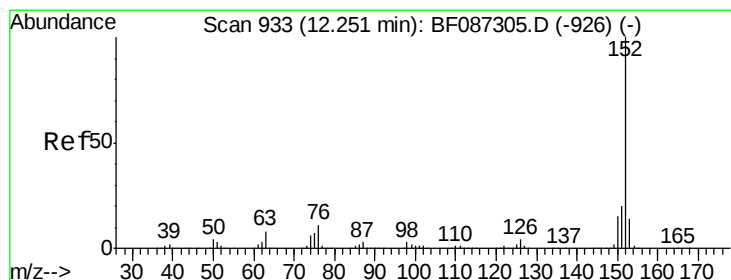
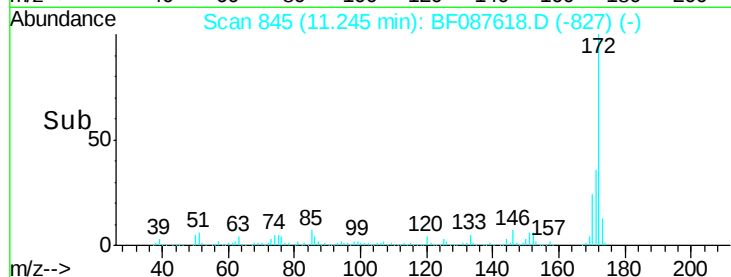
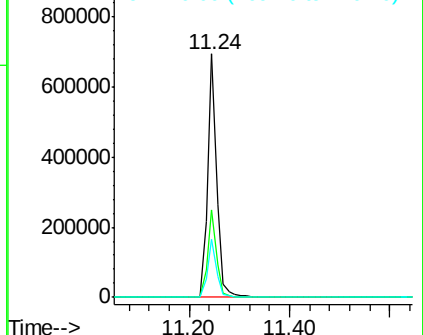
170 24.1 19.8 29.8



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



#48

Acenaphthylene

Concen: 2.26 ng

RT: 12.08 min Scan# 918

Delta R.T. -0.08 min

Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

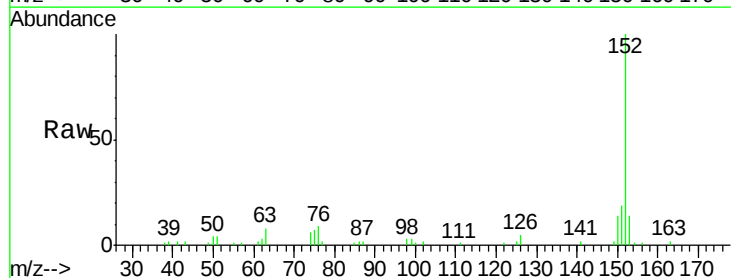
Tgt Ion:152 Resp: 49806

Ion Ratio Lower Upper

152 100

151 18.9 16.8 25.2

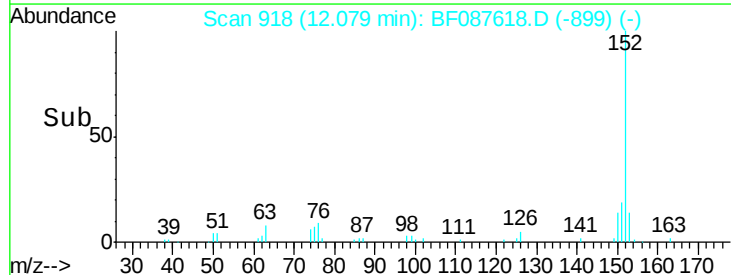
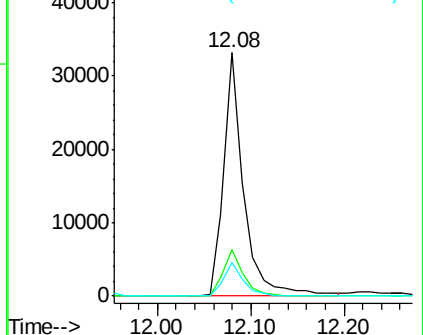
153 13.9 10.9 16.3

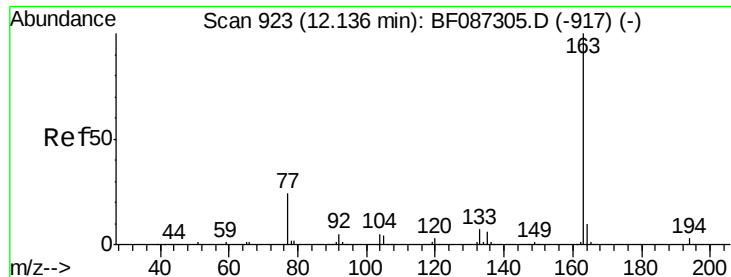


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 21.48 ng

RT: 11.94 min Scan# 906

Delta R.T. -0.10 min

Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

Instrument :

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ClientSampleId :

CHS-STA-1672(0-4)RE

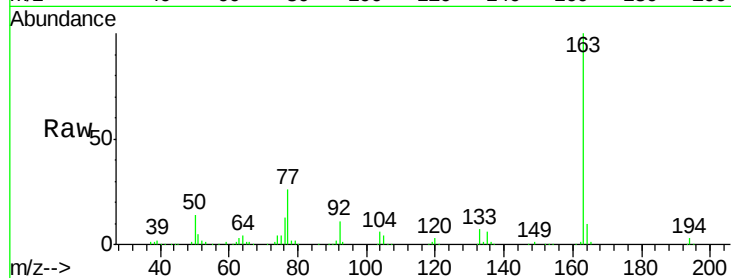
Tgt Ion:163 Resp: 372344

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

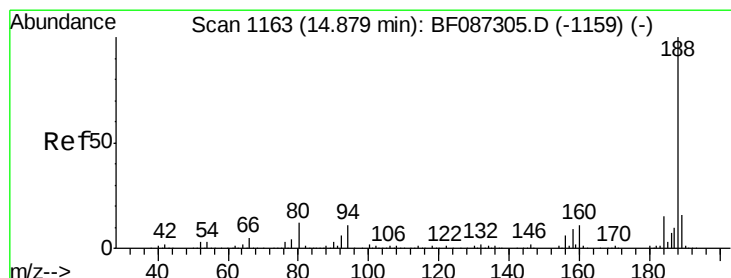
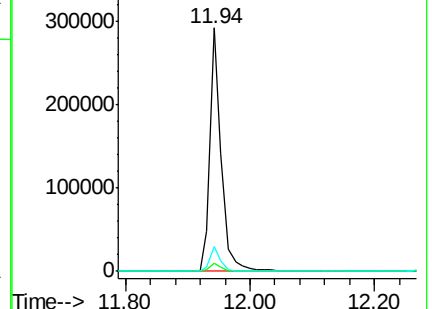
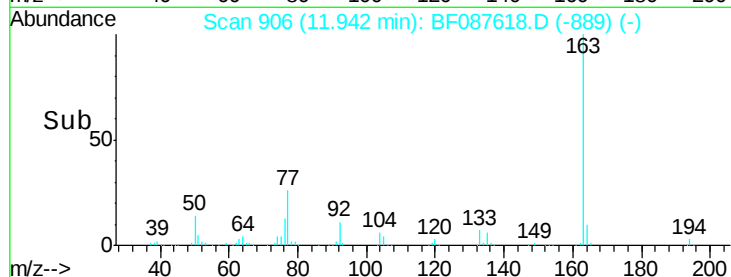
164 10.2 8.2 12.4



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.70 min Scan# 1147

Delta R.T. -0.08 min

Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

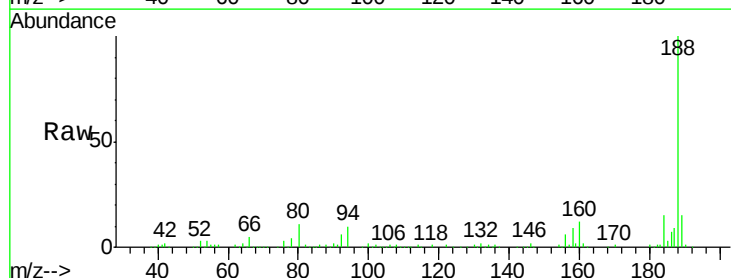
Tgt Ion:188 Resp: 332665

Ion Ratio Lower Upper

188 100

94 10.1 6.8 10.2

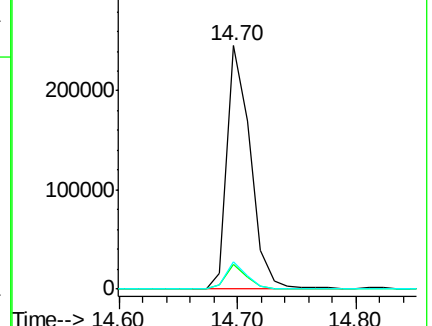
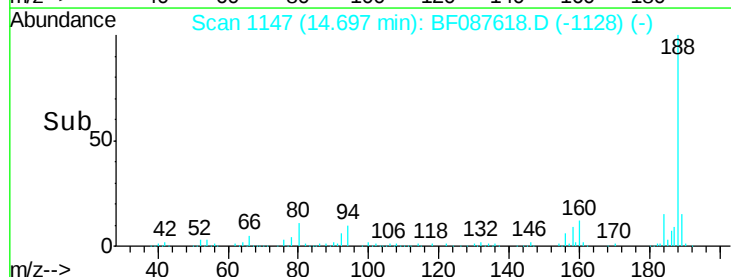
80 11.3 7.1 10.7#

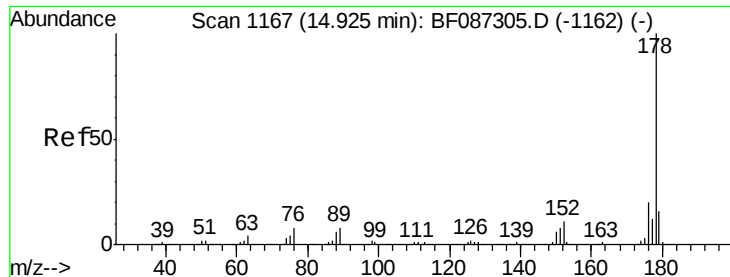


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

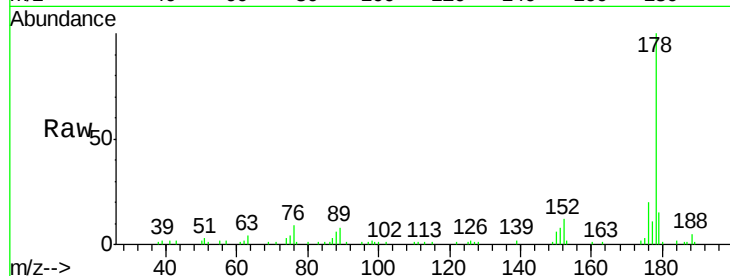




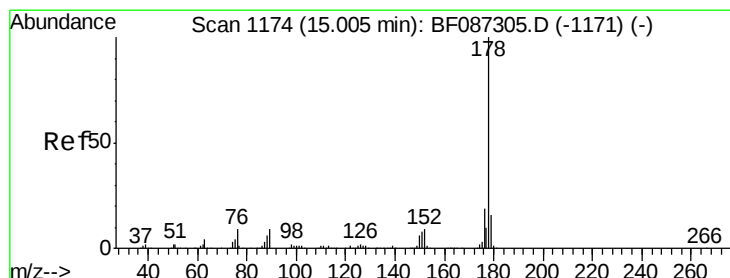
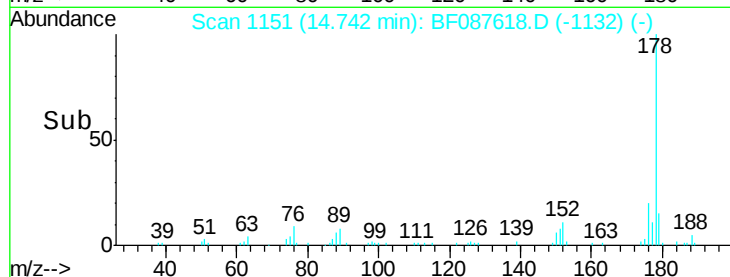
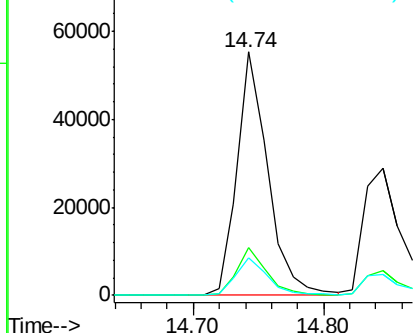
#70
Phenanthrene
Concen: 4.92 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.08 min
Lab File: BF087618.D
Acq: 1 Jun 2016 12:17

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

Tgt Ion:178 Resp: 90635
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.2 12.6 18.8

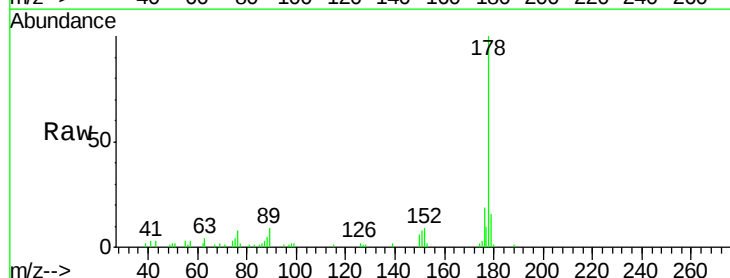


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

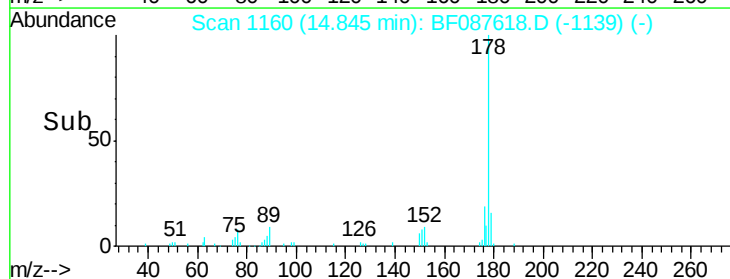
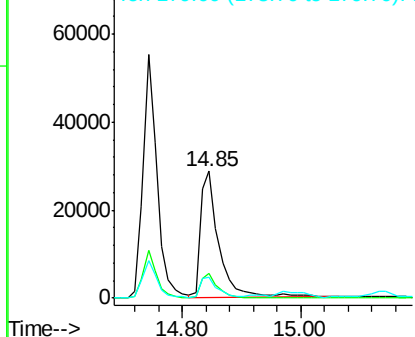


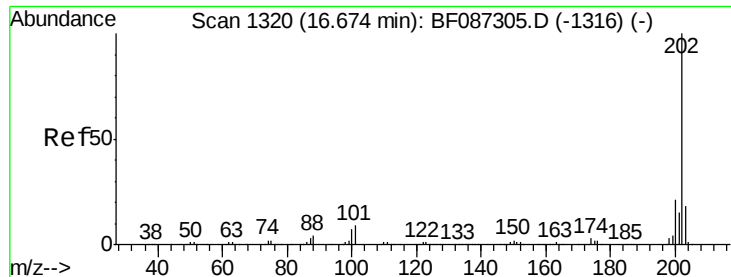
#71
Anthracene
Concen: 3.36 ng
RT: 14.85 min Scan# 1160
Delta R.T. -0.06 min
Lab File: BF087618.D
Acq: 1 Jun 2016 12:17

Tgt Ion:178 Resp: 62478
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 16.4 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

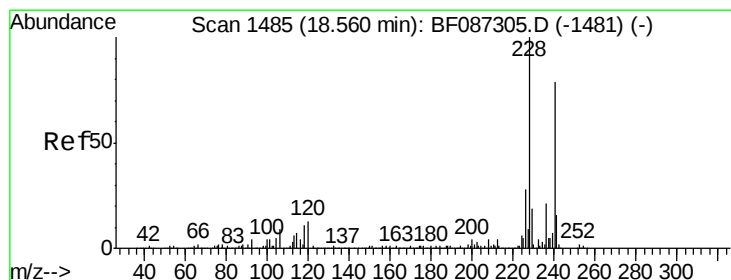
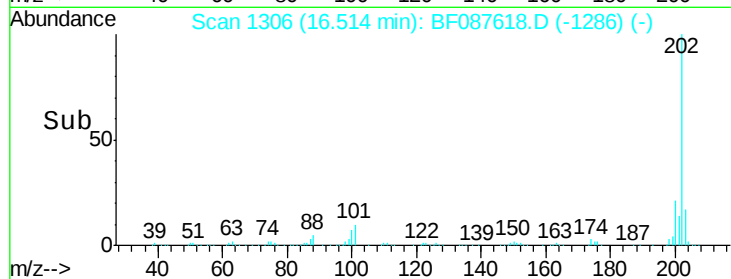
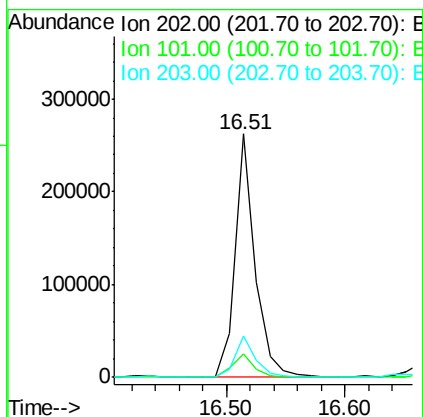
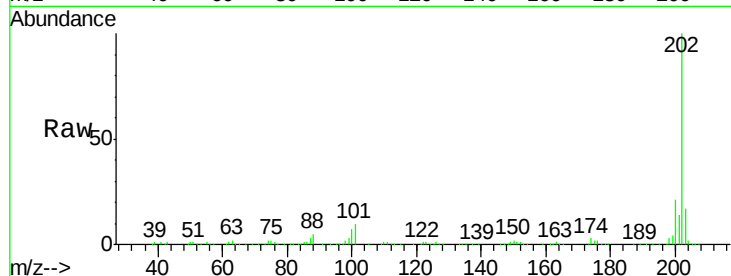




#74
 Fluoranthene
 Concen: 16.72 ng
 RT: 16.51 min Scan# 1306
 Delta R.T. -0.07 min
 Lab File: BF087618.D
 Acq: 1 Jun 2016 12:17

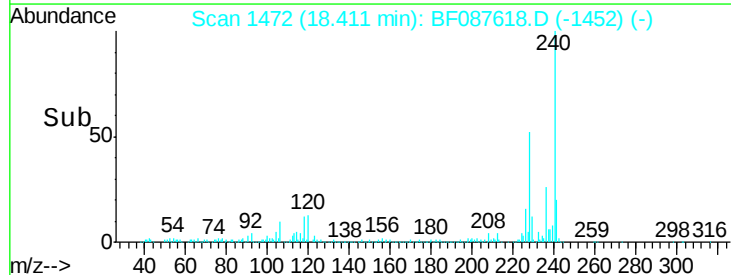
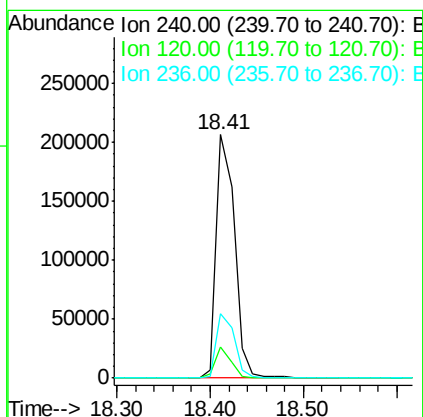
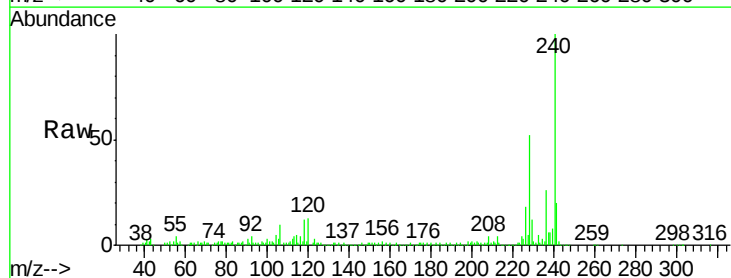
Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1672(0-4)RE

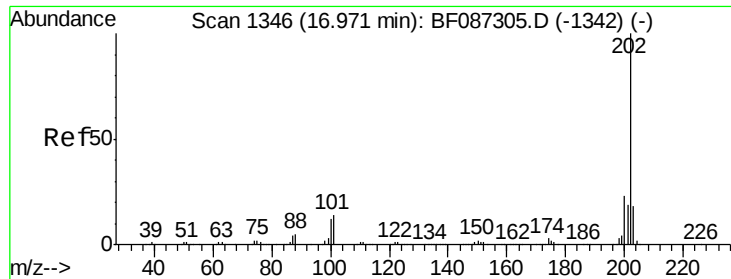
Tgt Ion:	202	Resp:	309019
Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	35.4
203	17.1	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.41 min Scan# 1472
 Delta R.T. -0.07 min
 Lab File: BF087618.D
 Acq: 1 Jun 2016 12:17

Tgt Ion:	240	Resp:	281353
Ion	Ratio	Lower	Upper
240	100		
120	12.8	11.2	16.8
236	26.3	21.2	31.8

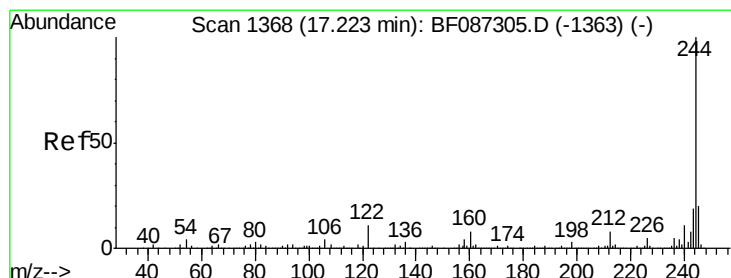
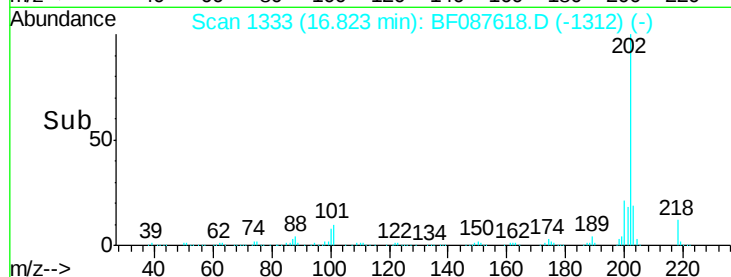
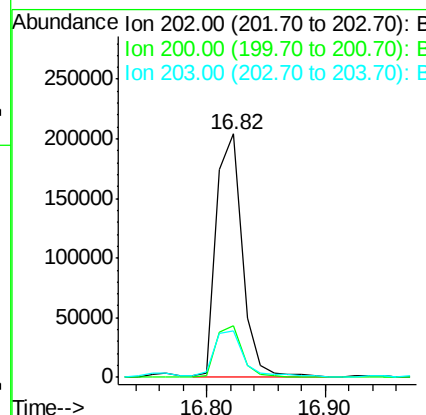
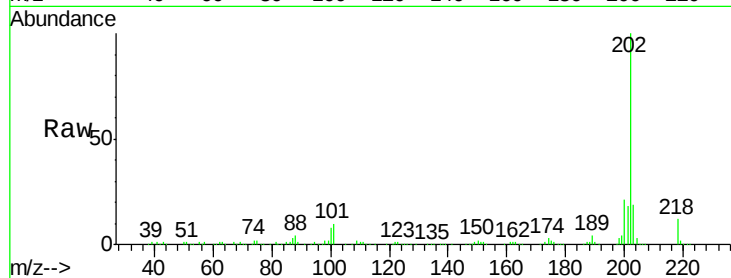




#77
 Pyrene
 Concen: 15.14 ng
 RT: 16.82 min Scan# 1333
 Delta R.T. -0.06 min
 Lab File: BF087618.D
 Acq: 1 Jun 2016 12:17

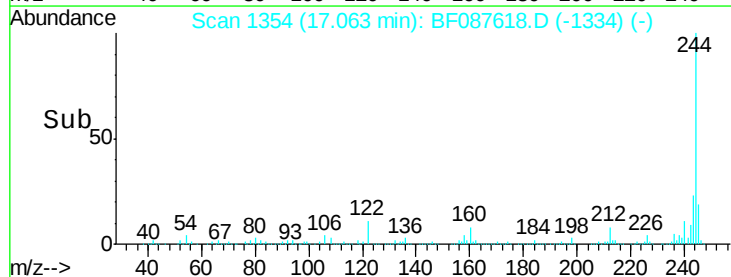
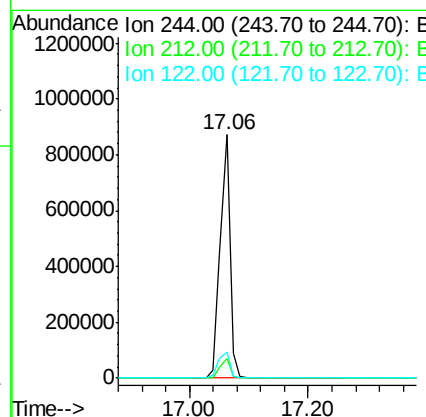
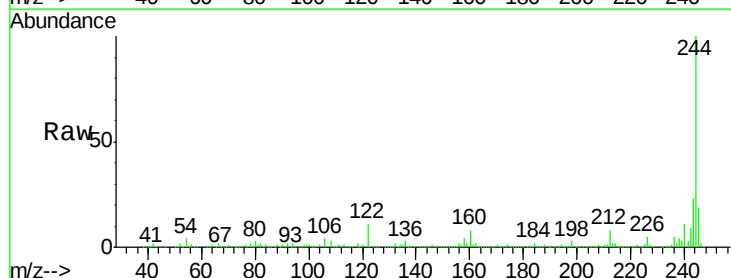
Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1672(0-4)RE

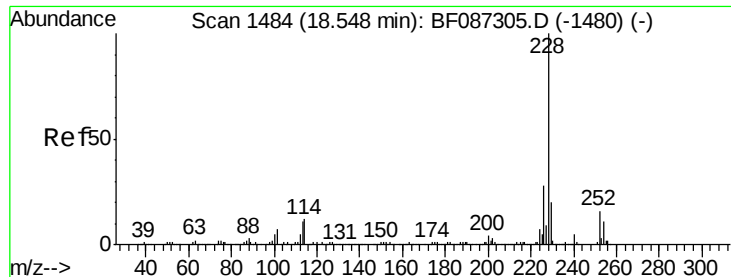
Tgt Ion: 202 Resp: 306581
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.7 26.5
 203 19.0 14.2 21.4



#78
 Terphenyl-d14
 Concen: 74.89 ng
 RT: 17.06 min Scan# 1354
 Delta R.T. -0.07 min
 Lab File: BF087618.D
 Acq: 1 Jun 2016 12:17

Tgt Ion: 244 Resp: 991051
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 10.6 12.0 18.0#





#80

Benzo(a)anthracene

Concen: 11.96 ng

RT: 18.46 min Scan# 1476

Delta R.T. -0.00 min

Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)RE

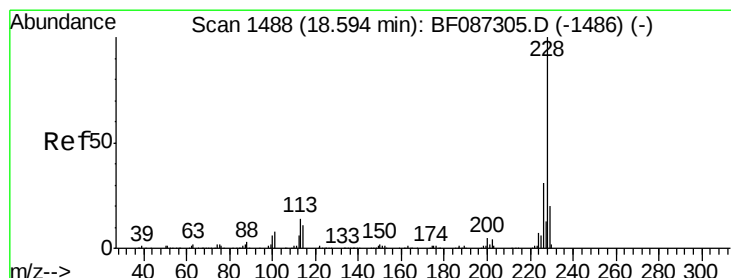
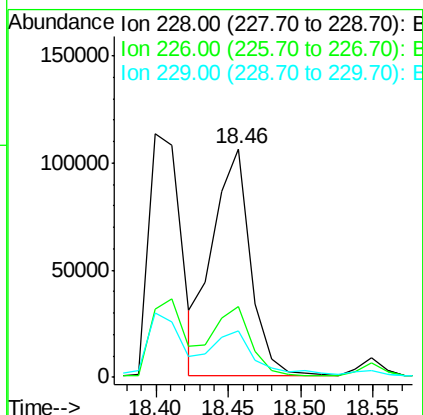
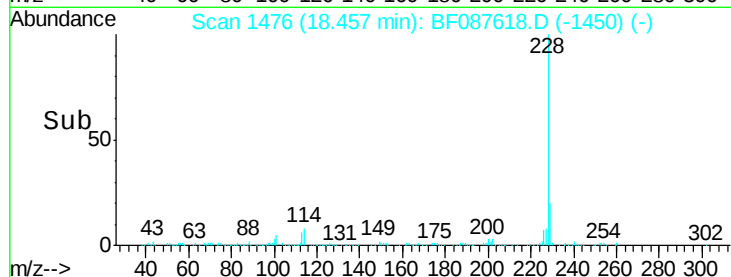
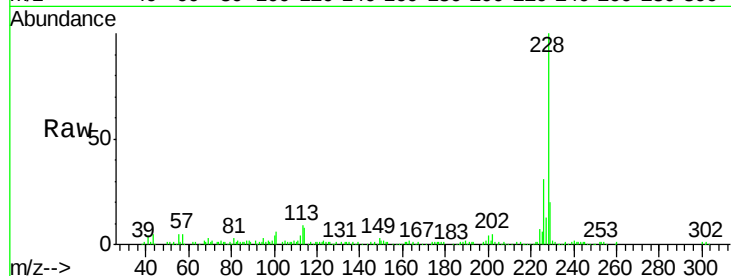
Tgt Ion:228 Resp: 191464

Ion Ratio Lower Upper

228 100

226 30.8 22.5 33.7

229 20.1 16.6 25.0



#82

Chrysene

Concen: 12.15 ng

RT: 18.46 min Scan# 1476

Delta R.T. -0.06 min

Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

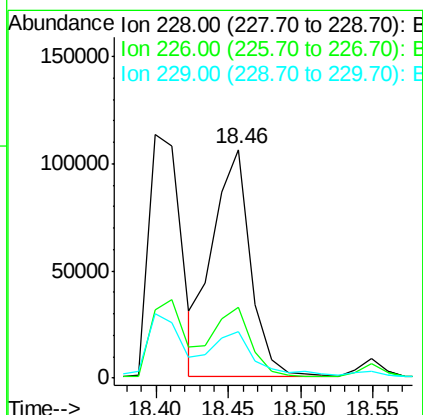
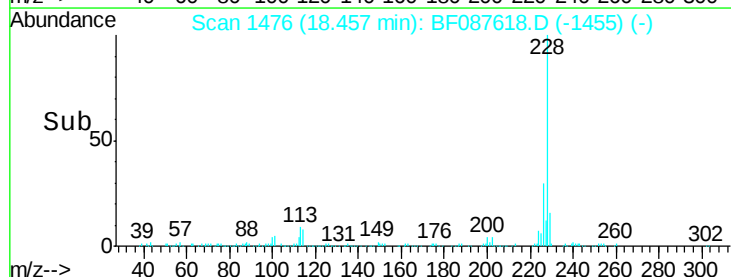
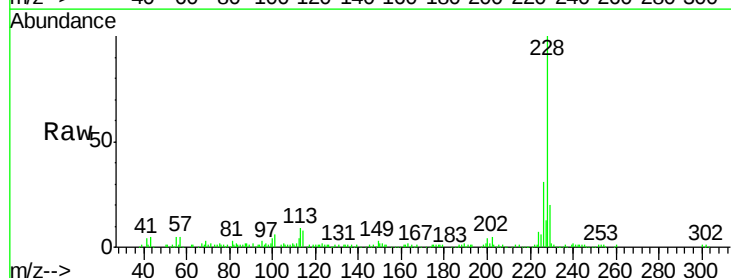
Tgt Ion:228 Resp: 192983

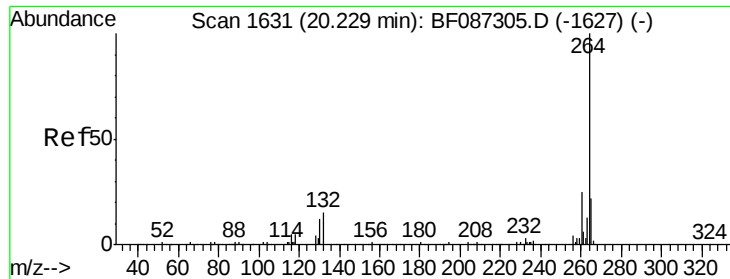
Ion Ratio Lower Upper

228 100

226 30.8 24.4 36.6

229 20.1 15.8 23.8

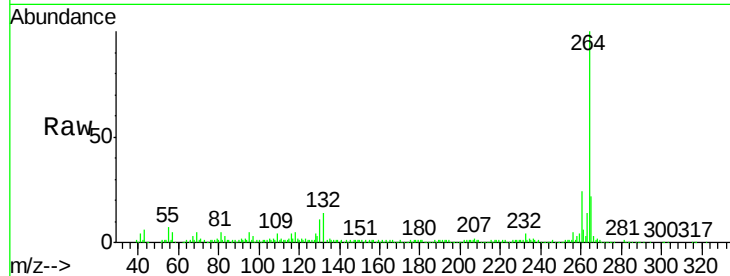




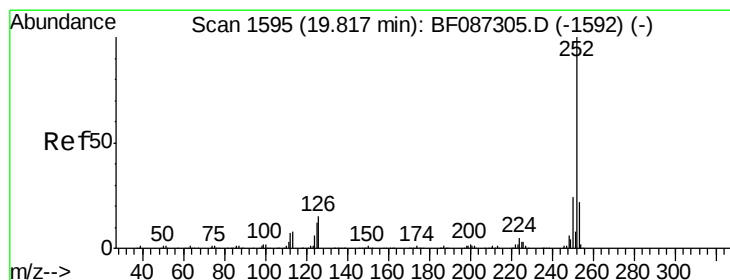
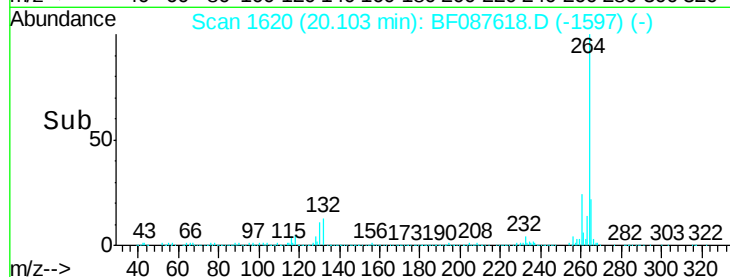
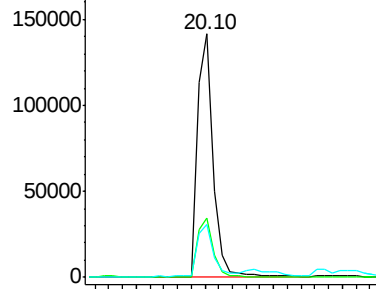
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.10 min Scan# 1620
Delta R.T. -0.03 min
Lab File: BF087618.D
Acq: 1 Jun 2016 12:17

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

Tgt Ion:264 Resp: 228966
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 21.9 17.3 25.9

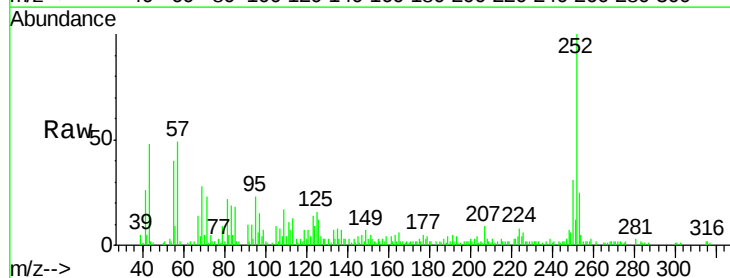


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

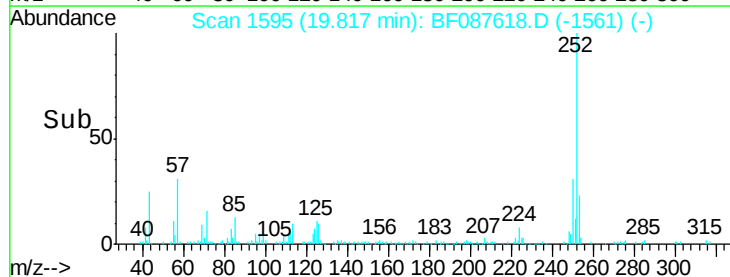
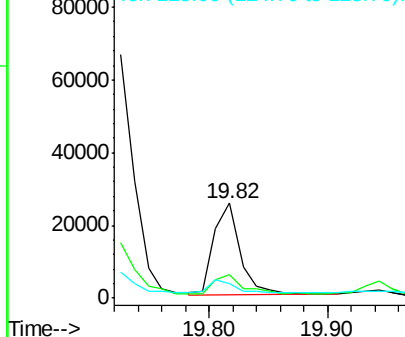


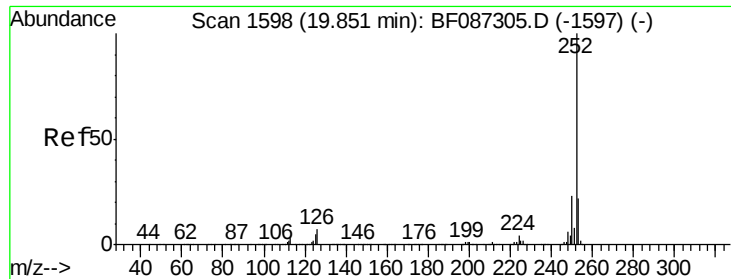
#87
Benzo(b)fluoranthene
Concen: 2.68 ng
RT: 19.82 min Scan# 1595
Delta R.T. 0.09 min
Lab File: BF087618.D
Acq: 1 Jun 2016 12:17

Tgt Ion:252 Resp: 39054
Ion Ratio Lower Upper
252 100
253 25.4 17.8 26.6
125 15.8 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

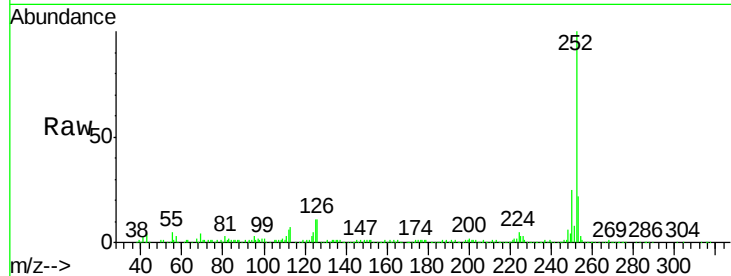




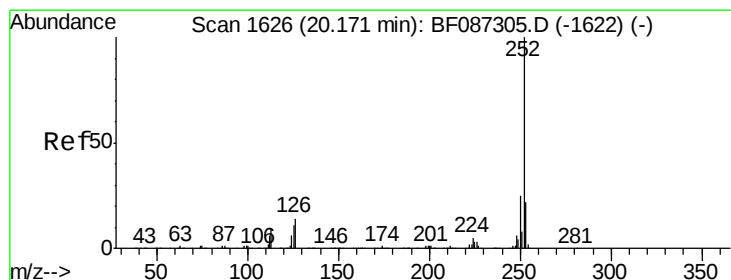
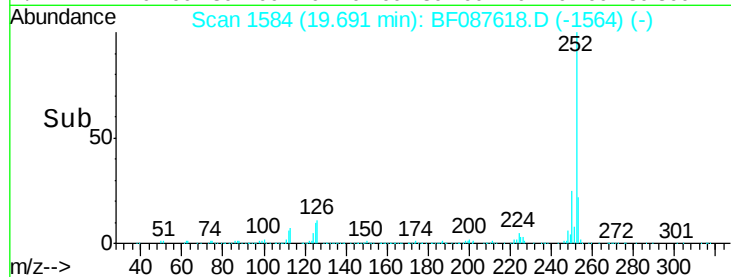
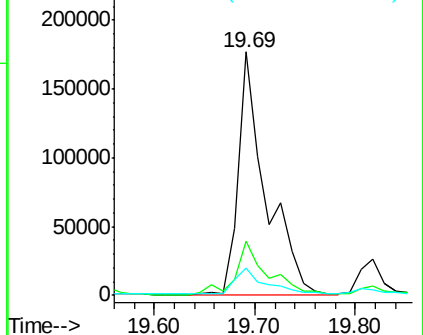
#88
Benzo(k)fluoranthene
Concen: 26.71 ng
RT: 19.69 min Scan# 1584
Delta R.T. -0.07 min
Lab File: BF087618.D
Acq: 1 Jun 2016 12:17

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

Tgt Ion:252 Resp: 335266
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 11.0 9.1 13.7

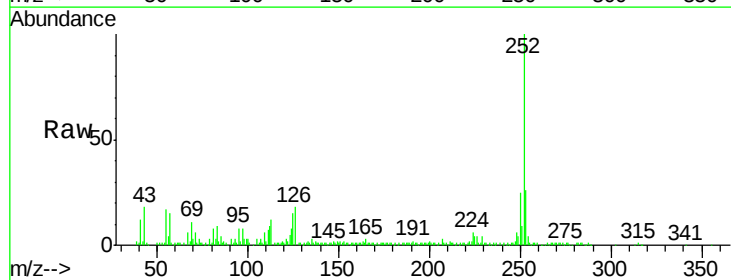


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

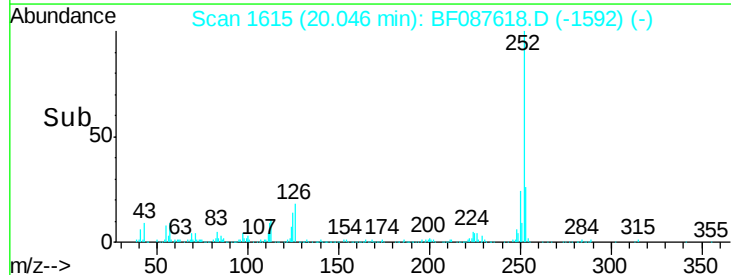
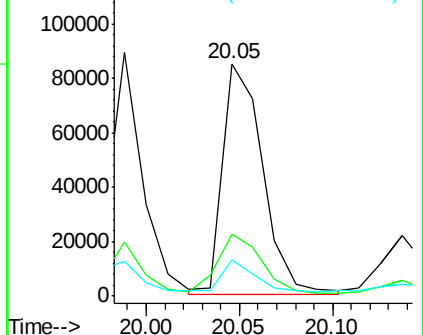


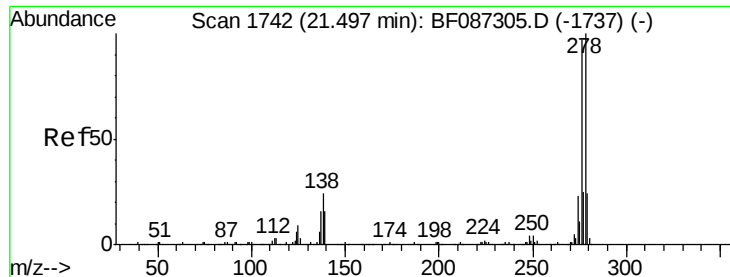
#89
Benzo(a)pyrene
Concen: 10.01 ng
RT: 20.05 min Scan# 1615
Delta R.T. -0.03 min
Lab File: BF087618.D
Acq: 1 Jun 2016 12:17

Tgt Ion:252 Resp: 126301
Ion Ratio Lower Upper
252 100
253 26.5 17.2 25.8#
125 15.4 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.19 ng

RT: 21.34 min Scan# 1728

Delta R.T. -0.02 min

Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1672(0-4)RE

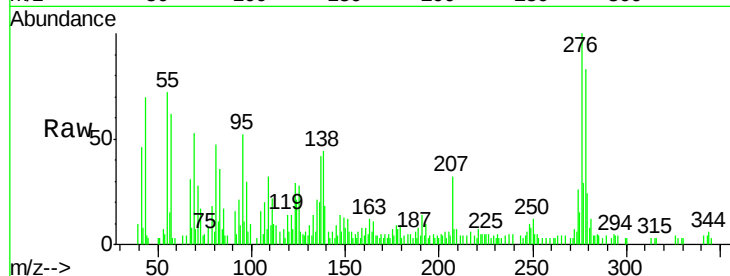
Tgt Ion:278 Resp: 23562

Ion Ratio Lower Upper

278 100

139 21.8 16.6 24.8

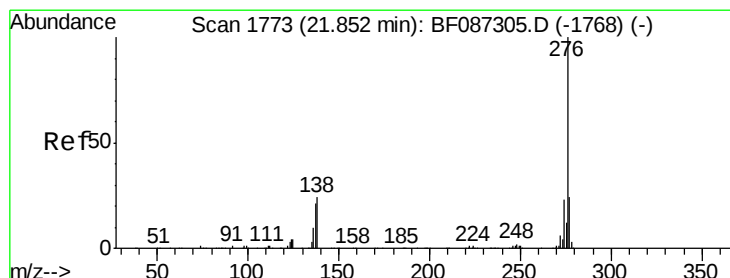
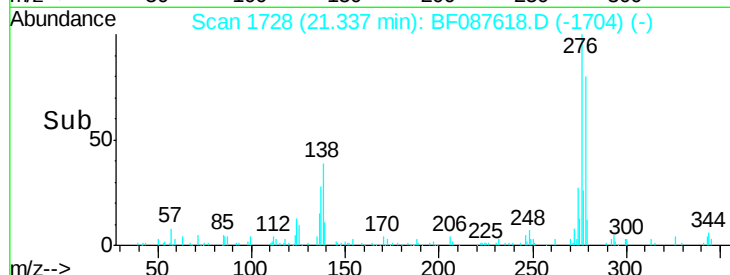
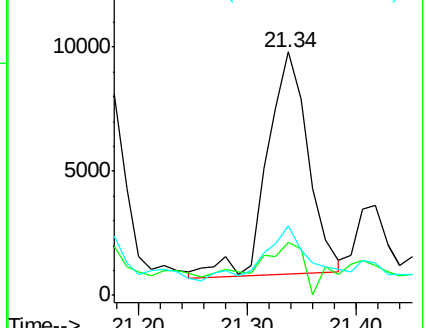
279 28.6 19.6 29.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 5.87 ng

RT: 21.70 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF087618.D

Acq: 1 Jun 2016 12:17

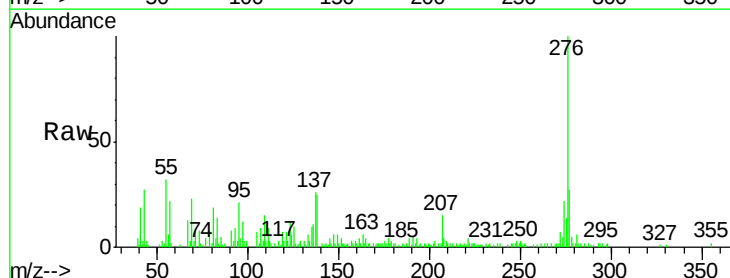
Tgt Ion:276 Resp: 62269

Ion Ratio Lower Upper

276 100

277 26.6 19.6 29.4

138 25.3 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

