

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053116\
 Data File : BF087614.D
 Acq On : 1 Jun 2016 10:02
 Operator : UM/SJ
 Sample : H3190-10DL 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1696(0-4)

Quant Time: Jun 01 13:36:11 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

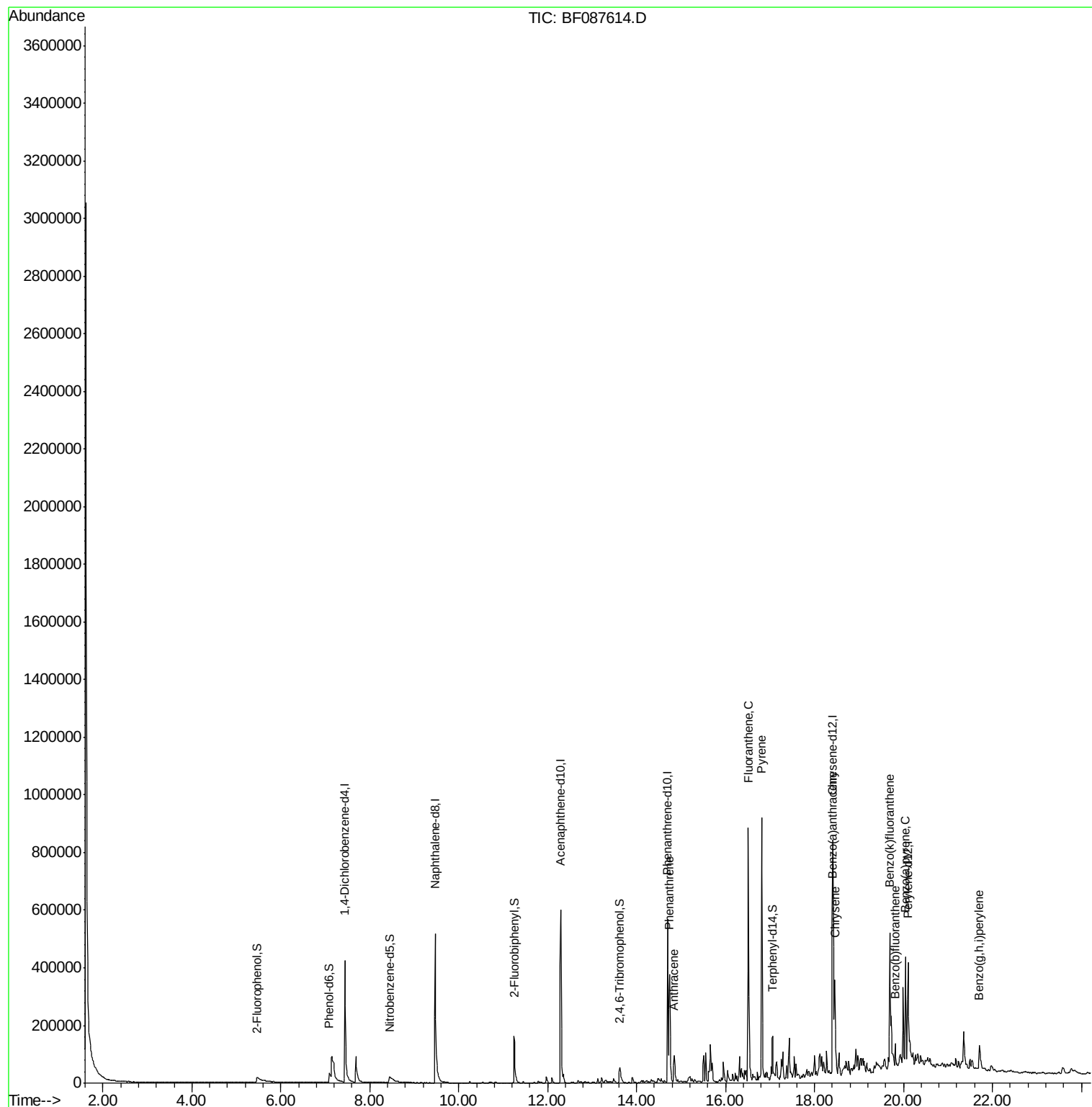
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	101345	20.00	ng	-0.08
21) Naphthalene-d8	9.47	136	407330	20.00	ng	-0.08
38) Acenaphthene-d10	12.30	164	179536	20.00	ng	-0.09
63) Phenanthrene-d10	14.70	188	289189	20.00	ng	-0.08
75) Chrysene-d12	18.41	240	220886	20.00	ng	-0.07
86) Perylene-d12	20.10	264	186445	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	29268	5.07	ng	0.05
7) Phenol-d6	7.08	99	57979	7.44	ng	0.01
23) Nitrobenzene-d5	8.44	82	43783	5.42	ng	0.00
41) 2,4,6-Tribromophenol	13.62	330	12425	7.20	ng	-0.06
44) 2-Fluorobiphenyl	11.26	172	104227	8.18	ng	-0.08
78) Terphenyl-d14	17.06	244	67583	6.50	ng	-0.07
Target Compounds						Qvalue
70) Phenanthrene	14.74	178	247350	15.44	ng	99
71) Anthracene	14.85	178	78714	4.86	ng	99
74) Fluoranthene	16.51	202	495291	30.83	ng	94
77) Pyrene	16.81	202	518430	32.61	ng	# 96
80) Benzo(a)anthracene	18.40	228	246257	19.60	ng	98
82) Chrysene	18.46	228	206636	16.57	ng	98
87) Benzo(b)fluoranthene	19.82	252	38200	3.22	ng	95
88) Benzo(k)fluoranthene	19.69	252	349060	34.15	ng	99
89) Benzo(a)pyrene	20.05	252	186912	18.20	ng	98
91) Benzo(g,h,i)perylene	21.70	276	84168	9.74	ng	92

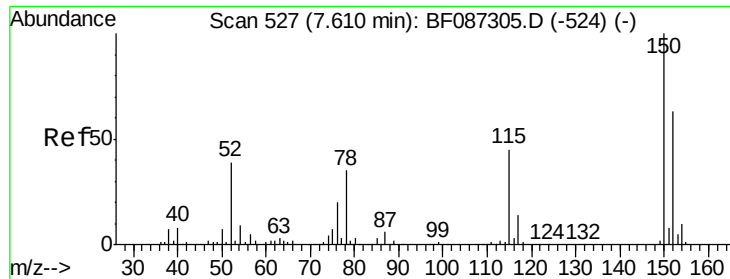
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053116\
Data File : BF087614.D
Acq On : 1 Jun 2016 10:02
Operator : UM/SJ
Sample : H3190-10DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

Quant Time: Jun 01 13:36:11 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



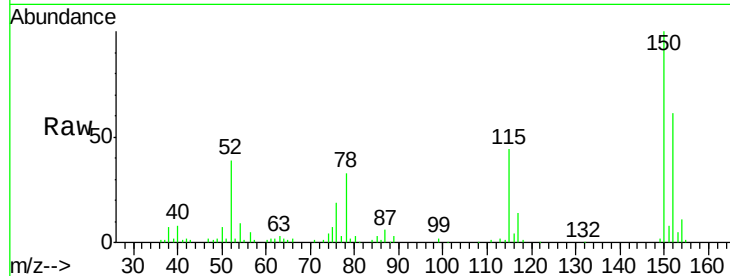


#1

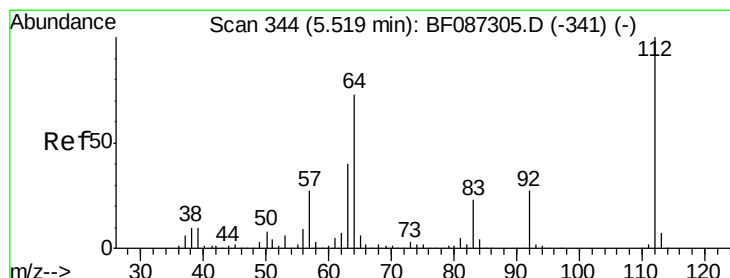
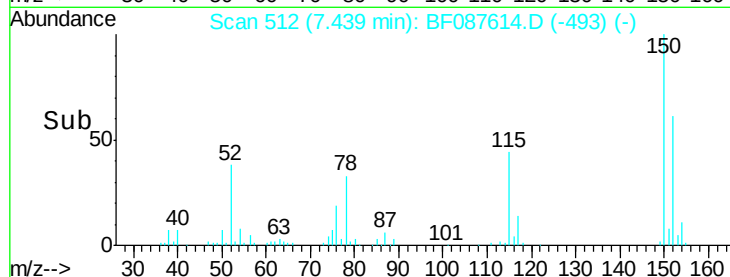
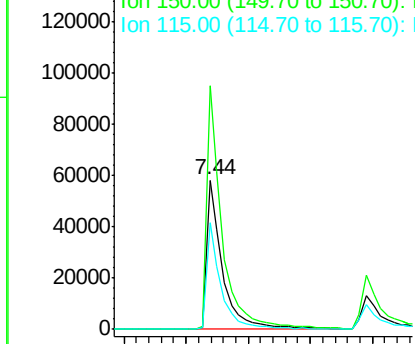
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.44 min Scan# 512
Delta R.T. -0.08 min
Lab File: BF087614.D
Acq: 1 Jun 2016 10:02

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1696(0-4)

Tgt Ion:152 Resp: 101345
Ion Ratio Lower Upper
152 100
150 163.0 125.8 188.6
115 71.6 51.5 77.3



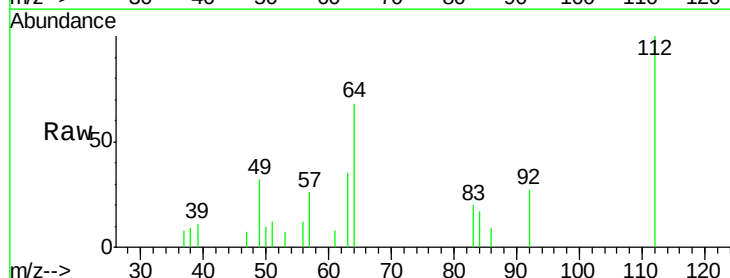
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



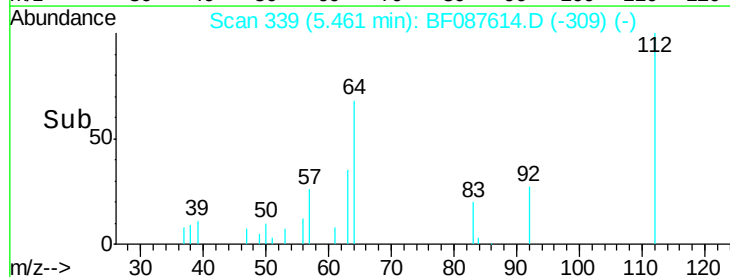
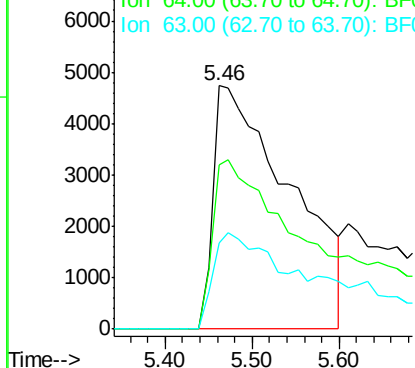
#5

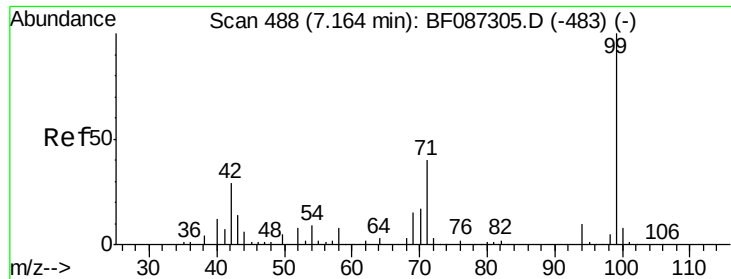
2-Fluorophenol
Concen: 5.07 ng
RT: 5.46 min Scan# 339
Delta R.T. 0.05 min
Lab File: BF087614.D
Acq: 1 Jun 2016 10:02

Tgt Ion:112 Resp: 29268
Ion Ratio Lower Upper
112 100
64 67.6 52.1 78.1
63 35.2 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: 7.44 ng

RT: 7.08 min Scan# 481

Delta R.T. 0.01 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1696(0-4)

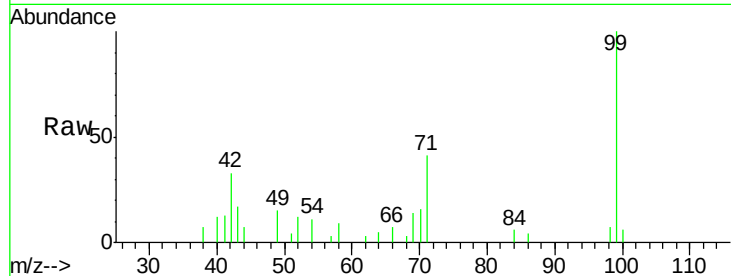
Tgt Ion: 99 Resp: 57979

Ion Ratio Lower Upper

99 100

42 32.7 13.6 20.4#

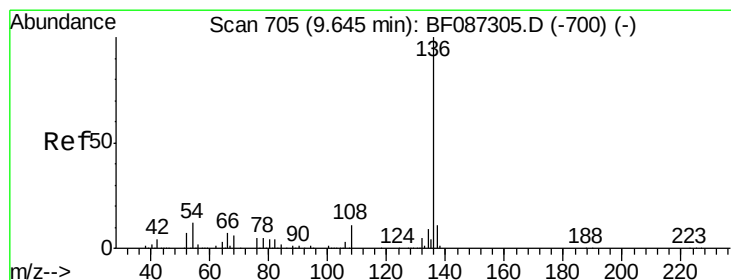
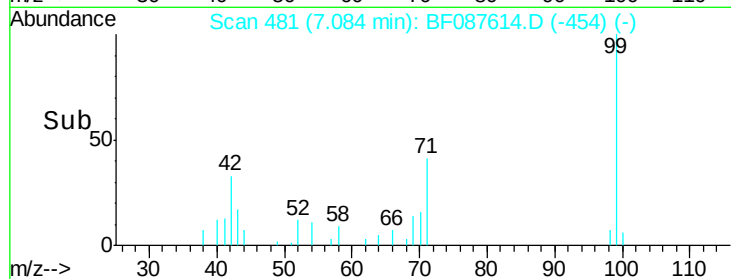
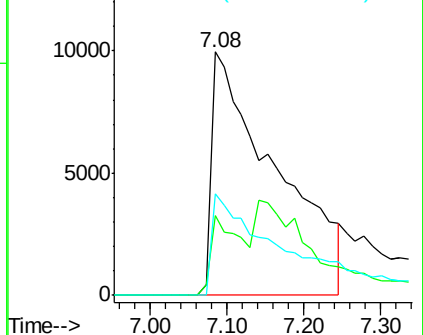
71 41.5 24.6 36.8#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.08 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

Tgt Ion: 136 Resp: 407330

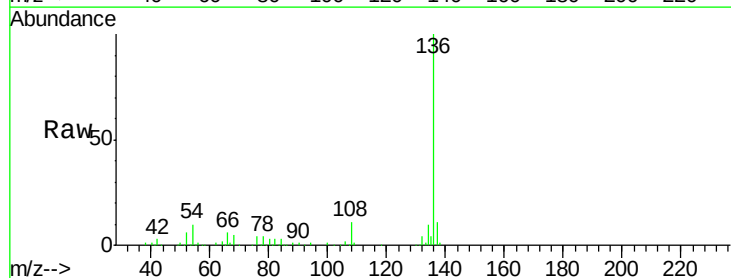
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 10.4 5.0 7.4#

68 5.1 4.4 6.6

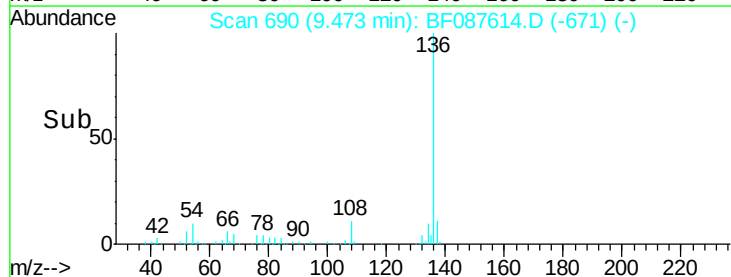
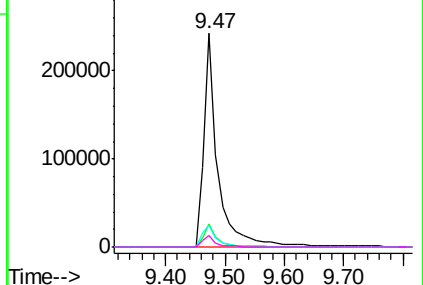


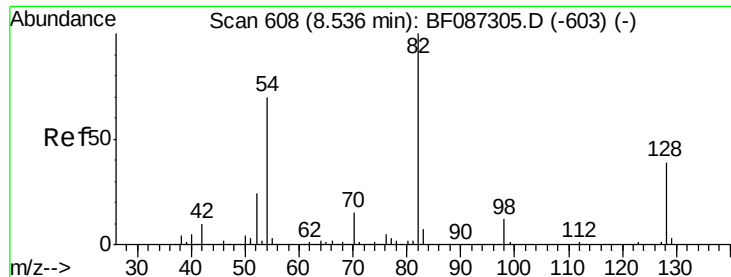
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

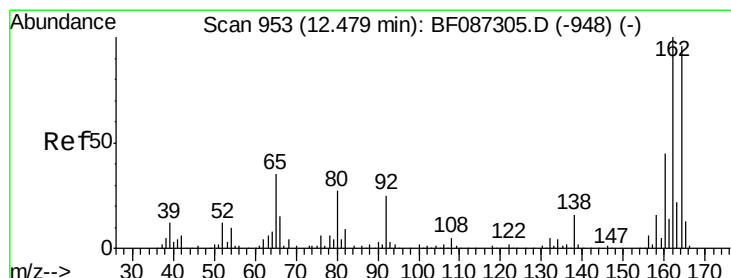
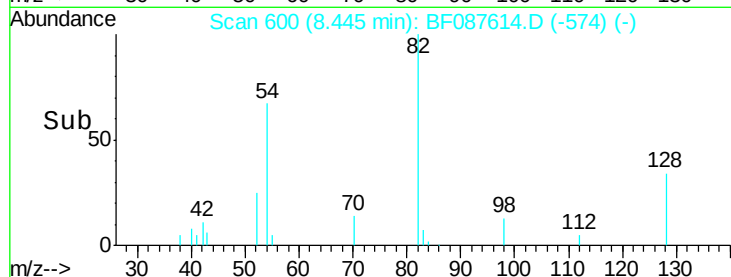
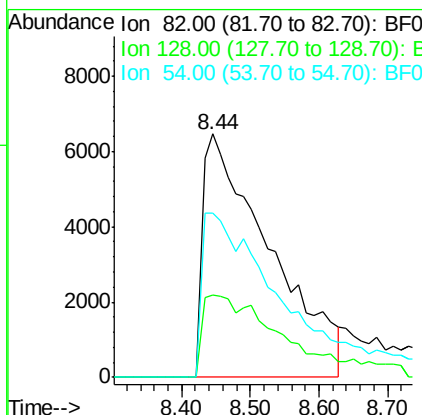
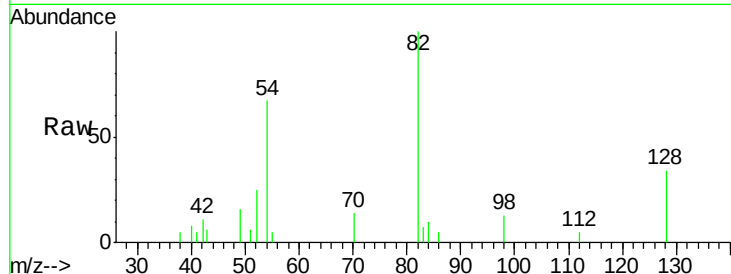




#23
 Nitrobenzene-d5
 Concen: 5.42 ng
 RT: 8.44 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: BF087614.D
 Acq: 1 Jun 2016 10:02

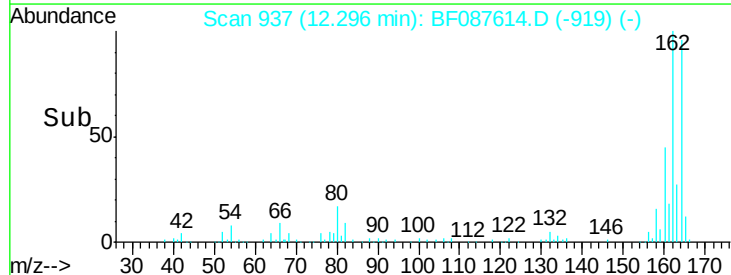
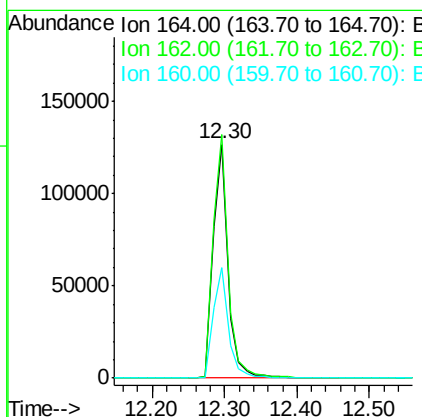
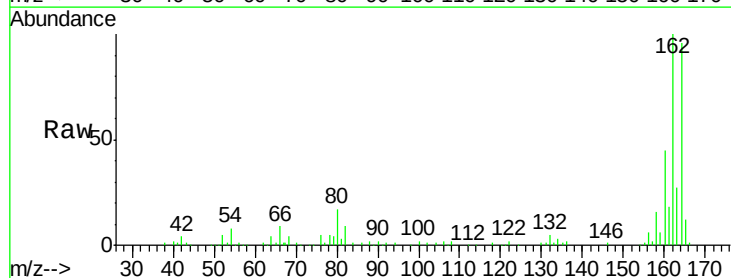
Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1696(0-4)

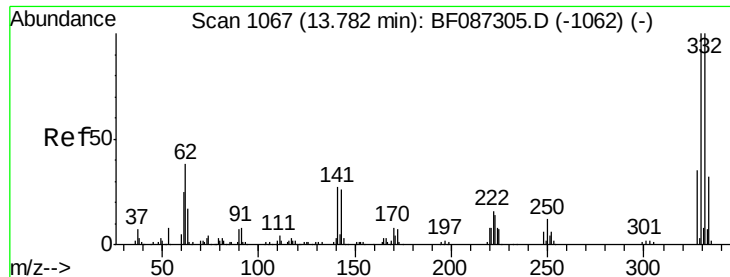
Tgt Ion: 82 Resp: 43783
 Ion Ratio Lower Upper
 82 100
 128 34.0 40.6 61.0#
 54 67.4 38.1 57.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.30 min Scan# 937
 Delta R.T. -0.09 min
 Lab File: BF087614.D
 Acq: 1 Jun 2016 10:02

Tgt Ion: 164 Resp: 179536
 Ion Ratio Lower Upper
 164 100
 162 104.1 82.8 124.2
 160 47.1 36.9 55.3





#41

2,4,6-Tribromophenol

Concen: 7.20 ng

RT: 13.62 min Scan# 1053

Delta R.T. -0.06 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1696(0-4)

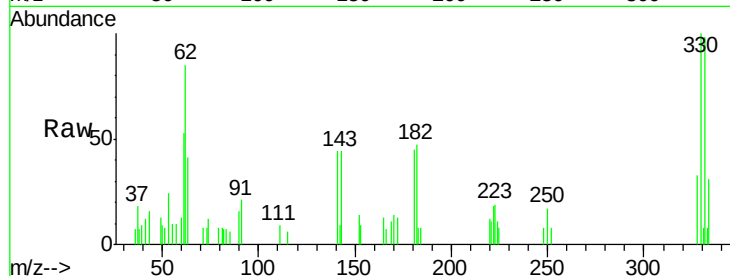
Tgt Ion:330 Resp: 12425

Ion Ratio Lower Upper

330 100

332 94.3 79.0 118.4

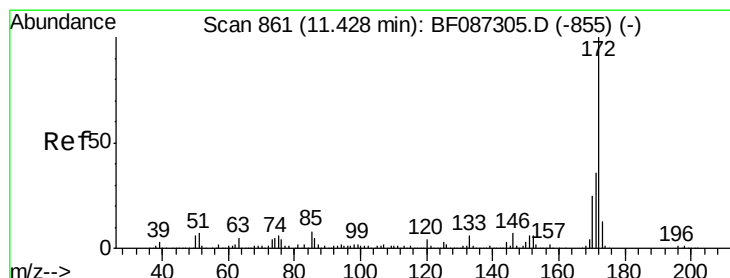
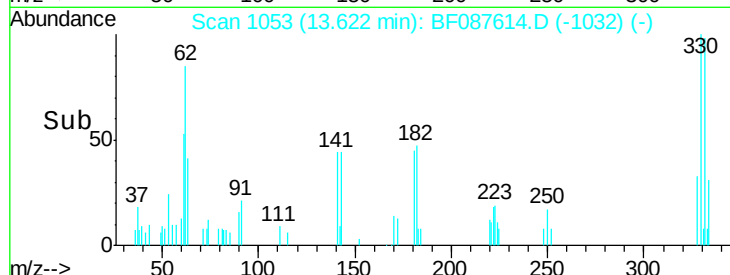
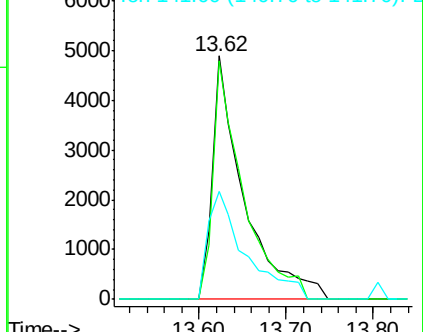
141 52.4 31.2 46.8#



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: 8.18 ng

RT: 11.26 min Scan# 846

Delta R.T. -0.08 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

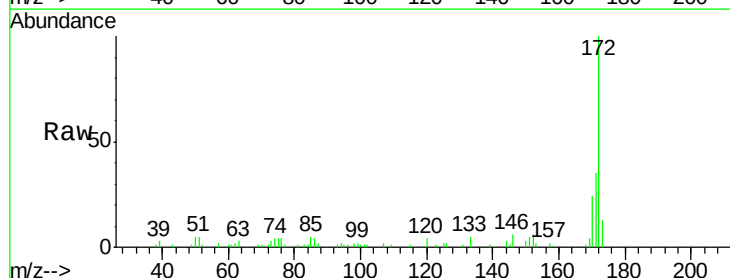
Tgt Ion:172 Resp: 104227

Ion Ratio Lower Upper

172 100

171 34.7 29.0 43.6

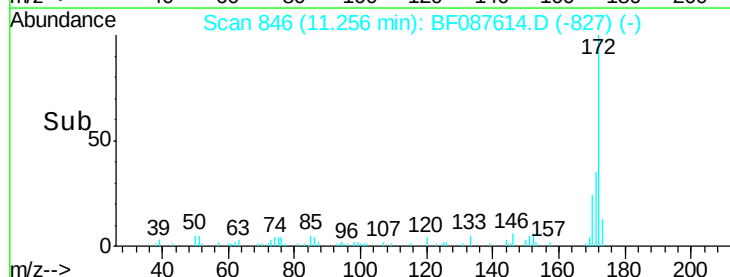
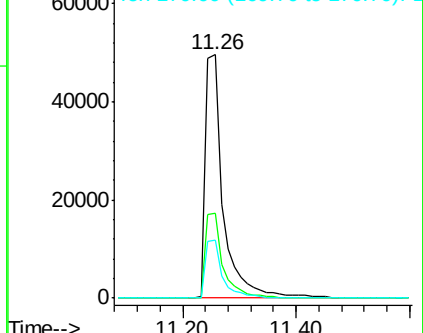
170 24.1 19.8 29.8

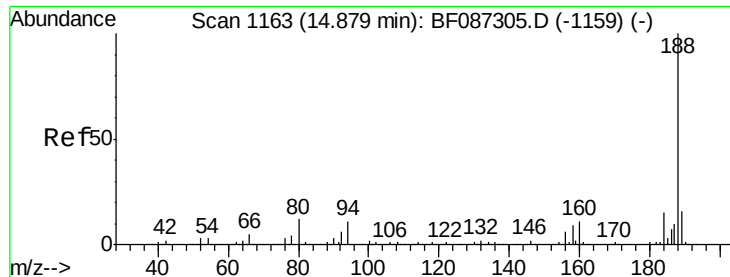


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

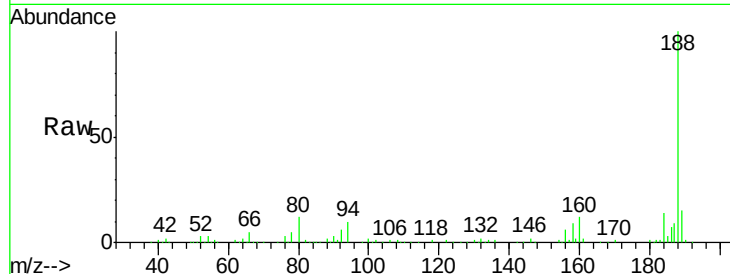




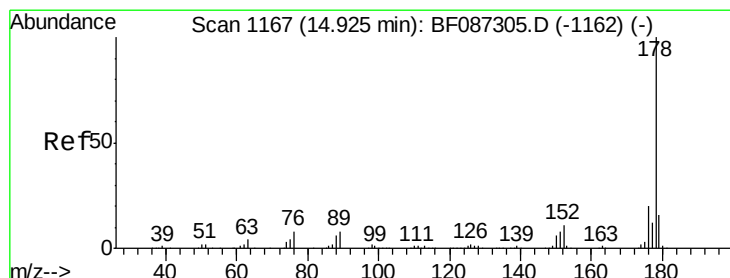
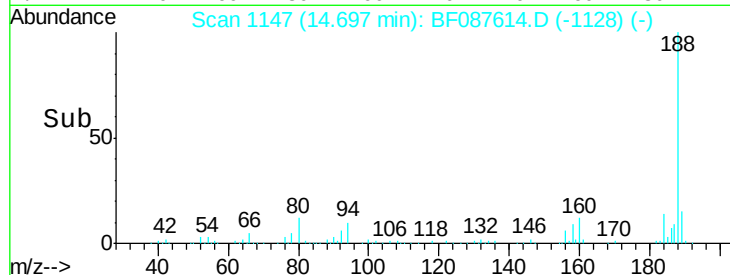
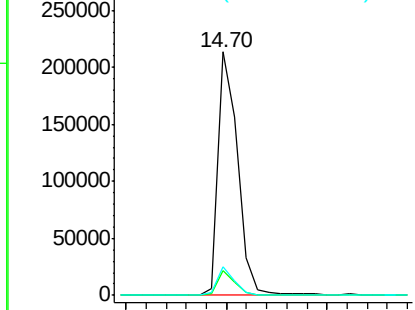
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.70 min Scan# 1147
 Delta R.T. -0.08 min
 Lab File: BF087614.D
 Acq: 1 Jun 2016 10:02

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1696(0-4)

Tgt Ion:188 Resp: 289189
 Ion Ratio Lower Upper
 188 100
 94 10.3 6.8 10.2#
 80 11.7 7.1 10.7#

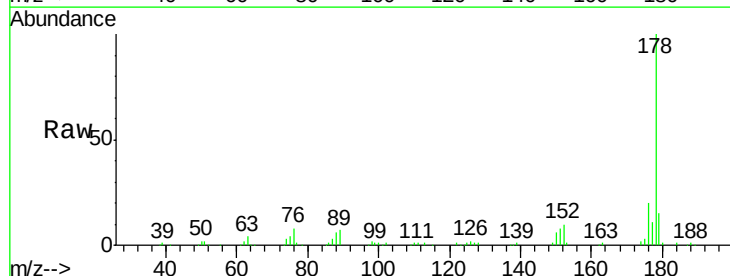


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

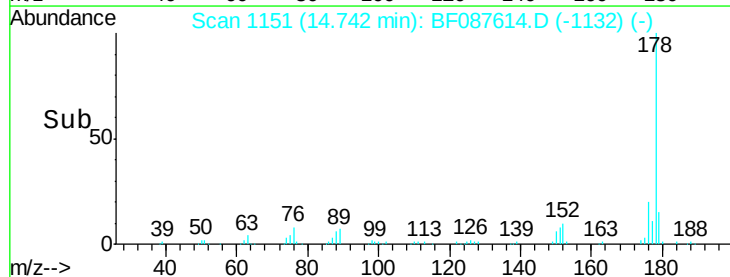
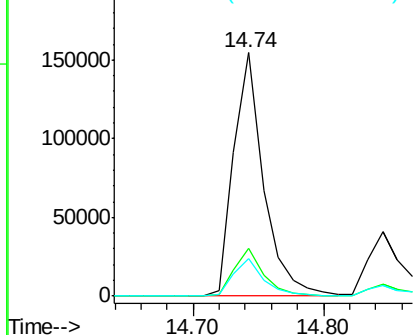


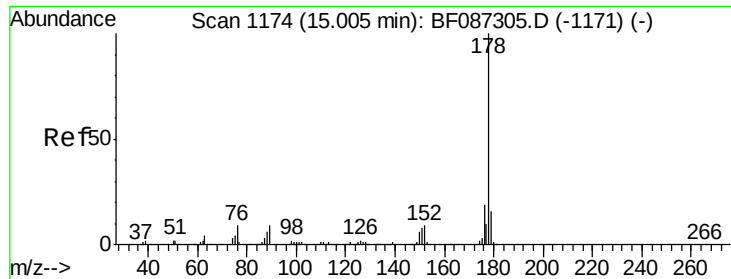
#70
 Phenanthrene
 Concen: 15.44 ng
 RT: 14.74 min Scan# 1151
 Delta R.T. -0.08 min
 Lab File: BF087614.D
 Acq: 1 Jun 2016 10:02

Tgt Ion:178 Resp: 247350
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.0 24.0
 179 15.3 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

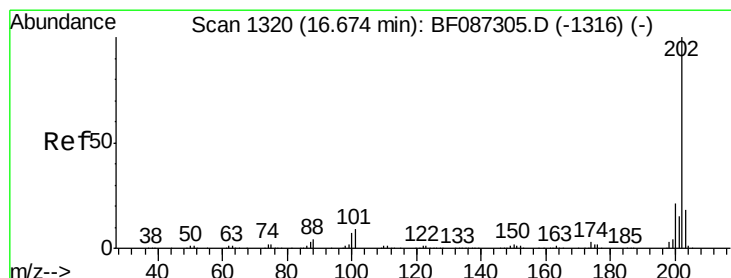
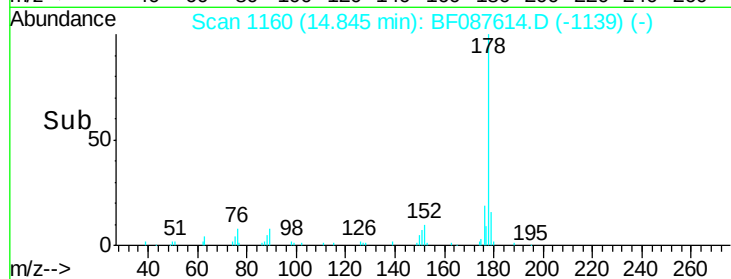
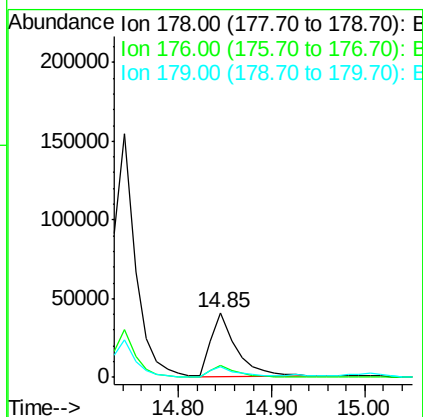
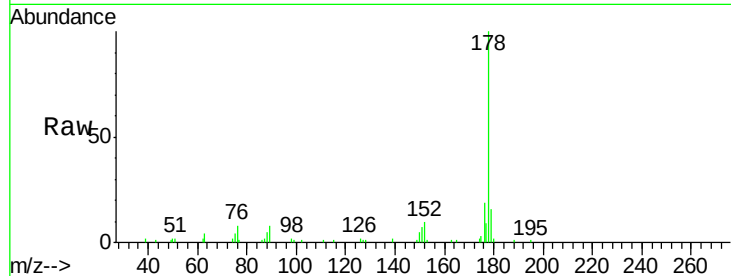




#71
 Anthracene
 Concen: 4.86 ng
 RT: 14.85 min Scan# 1160
 Delta R.T. -0.06 min
 Lab File: BF087614.D
 Acq: 1 Jun 2016 10:02

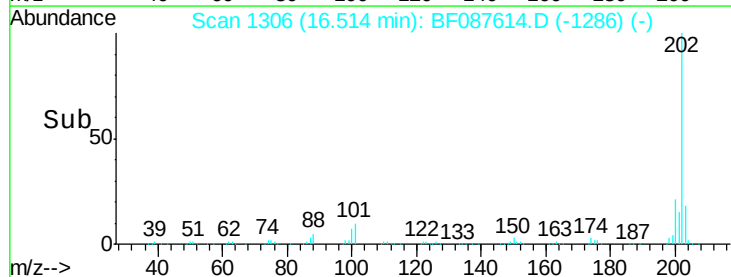
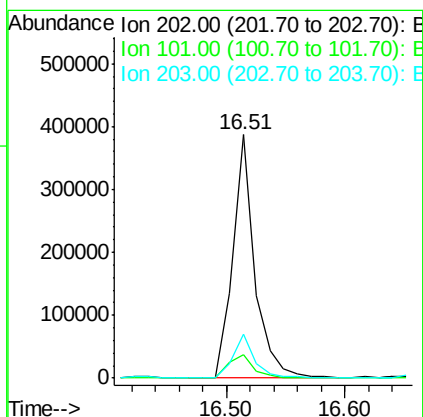
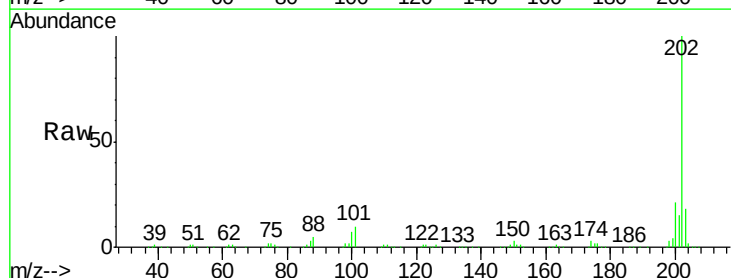
Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1696(0-4)

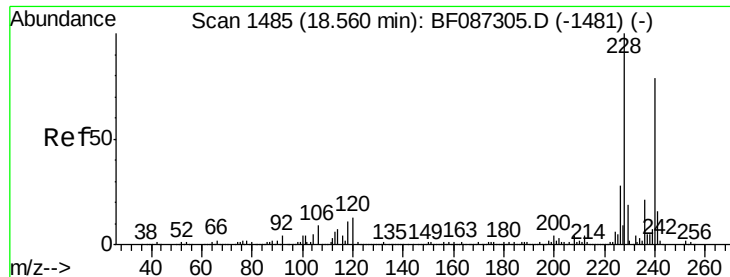
Tgt Ion:178 Resp: 78714
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.6 23.4
 179 16.2 12.7 19.1



#74
 Fluoranthene
 Concen: 30.83 ng
 RT: 16.51 min Scan# 1306
 Delta R.T. -0.07 min
 Lab File: BF087614.D
 Acq: 1 Jun 2016 10:02

Tgt Ion:202 Resp: 495291
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 35.4
 203 18.0 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: BF087614.D

Acq: 1 Jun 2016 10:02

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1696(0-4)

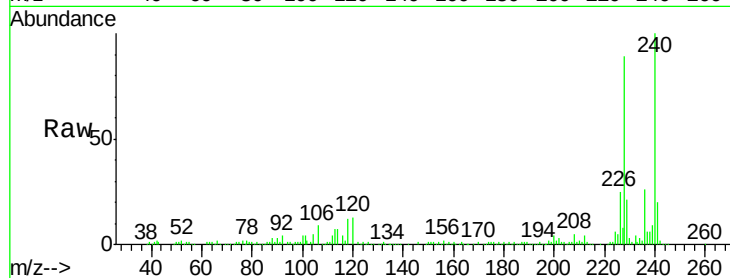
Tgt Ion:240 Resp: 220886

Ion Ratio Lower Upper

240 100

120 12.6 11.2 16.8

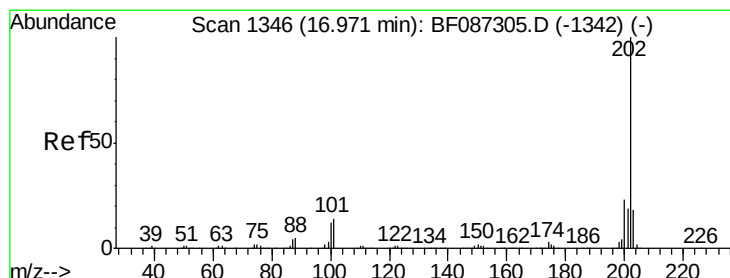
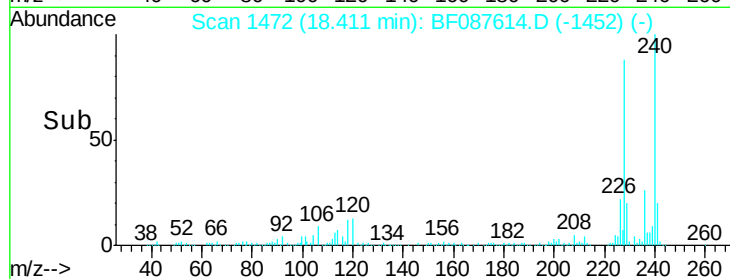
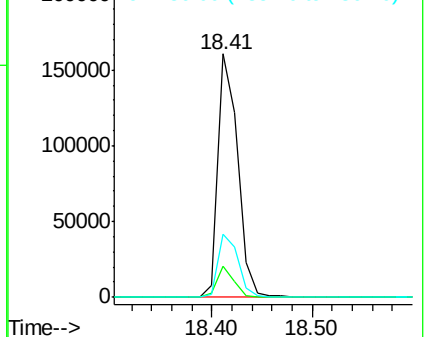
236 25.9 21.2 31.8



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: 32.61 ng

RT: 16.81 min Scan# 1332

Delta R.T. -0.07 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

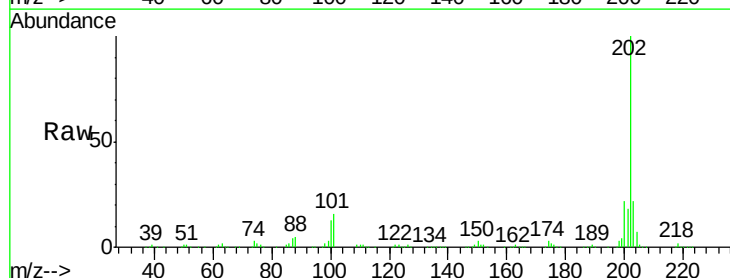
Tgt Ion:202 Resp: 518430

Ion Ratio Lower Upper

202 100

200 22.0 17.7 26.5

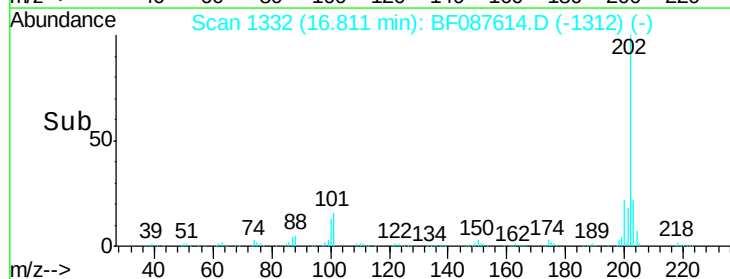
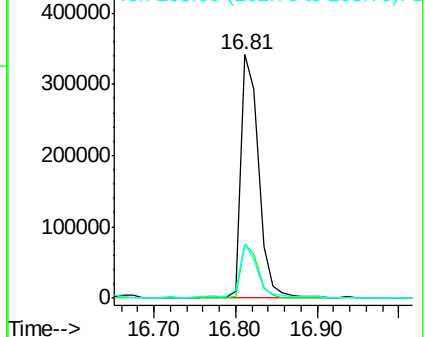
203 22.1 14.2 21.4#

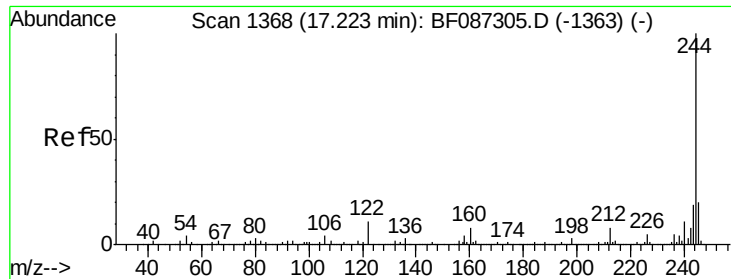


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.50 ng

RT: 17.06 min Scan# 1354

Delta R.T. -0.07 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1696(0-4)

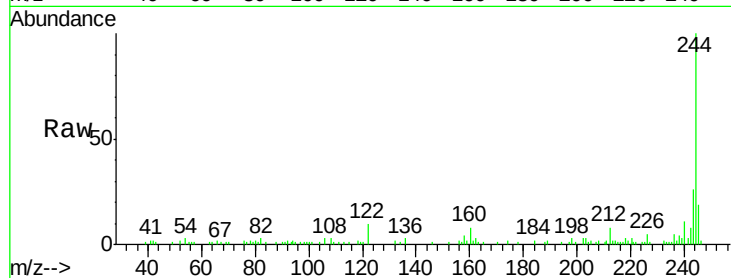
Tgt Ion:244 Resp: 67583

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

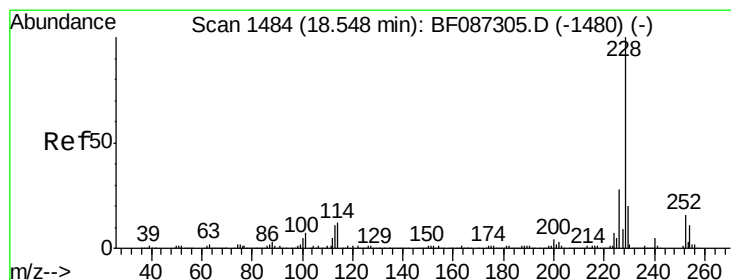
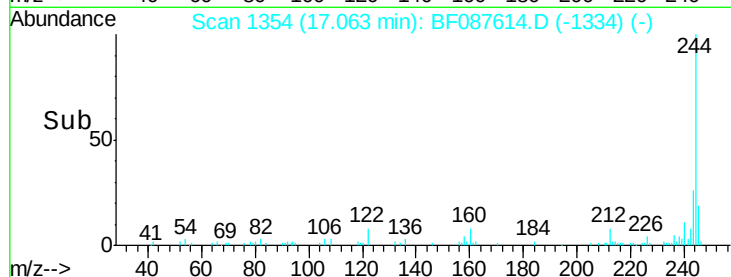
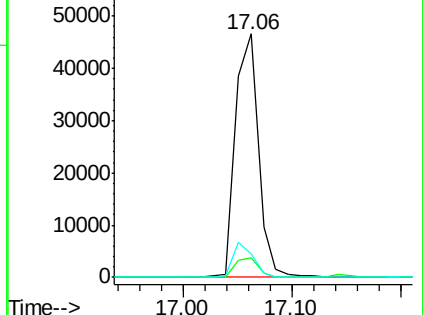
122 9.5 12.0 18.0#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 19.60 ng

RT: 18.40 min Scan# 1471

Delta R.T. -0.06 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

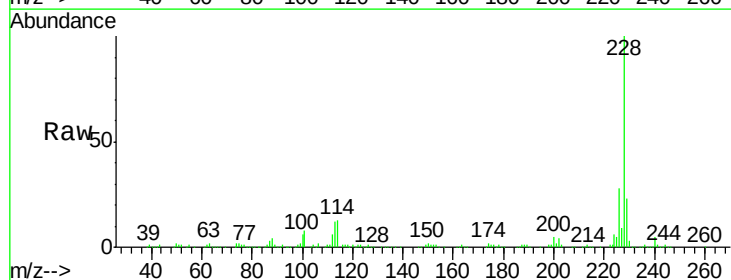
Tgt Ion:228 Resp: 246257

Ion Ratio Lower Upper

228 100

226 28.2 22.5 33.7

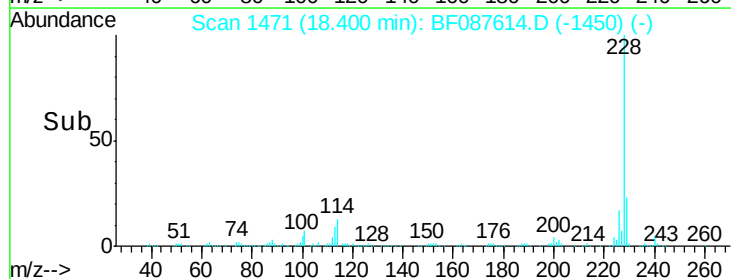
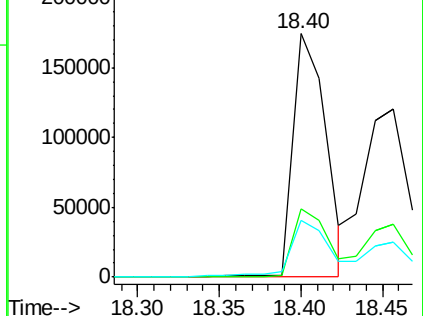
229 23.3 16.6 25.0

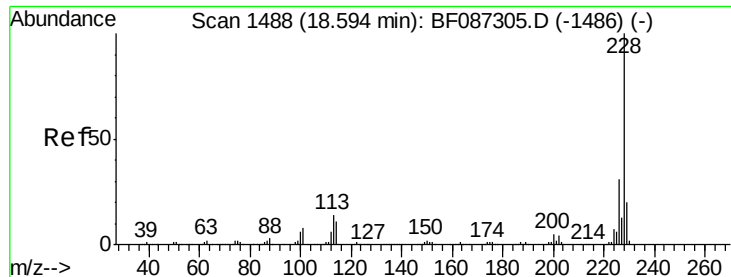


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 16.57 ng

RT: 18.46 min Scan# 1476

Delta R.T. -0.06 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1696(0-4)

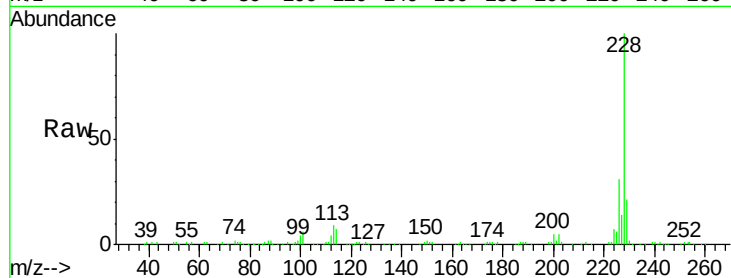
Tgt Ion:228 Resp: 206636

Ion Ratio Lower Upper

228 100

226 31.4 24.4 36.6

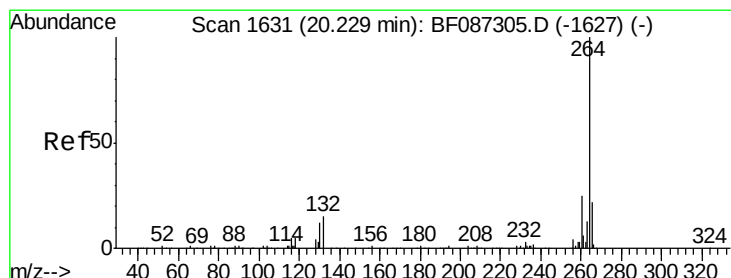
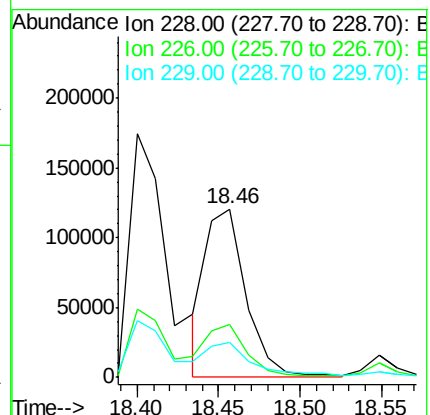
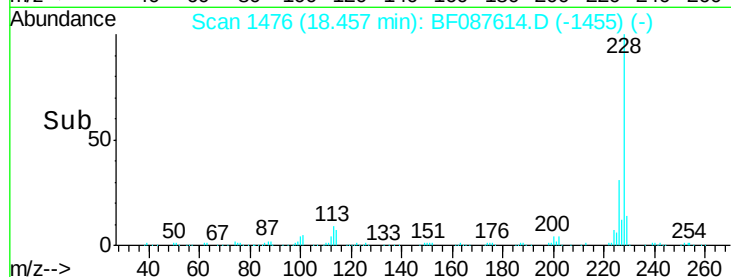
229 20.6 15.8 23.8



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: 20.10 min Scan# 1620

Delta R.T. -0.03 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

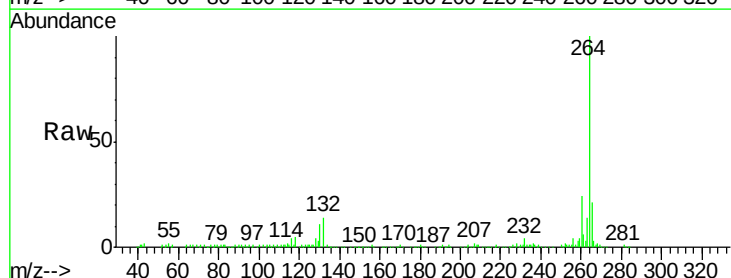
Tgt Ion:264 Resp: 186445

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

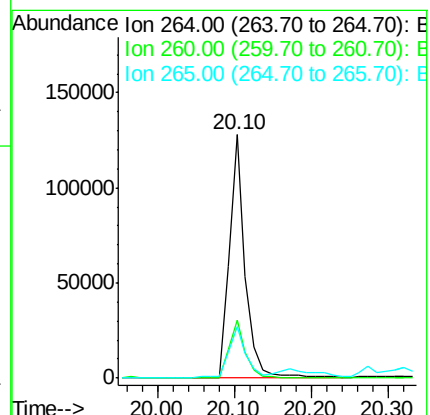
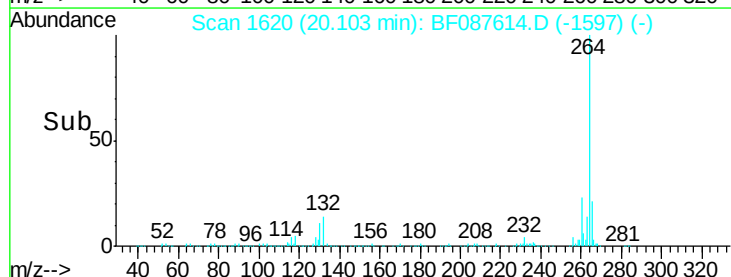
265 21.1 17.3 25.9

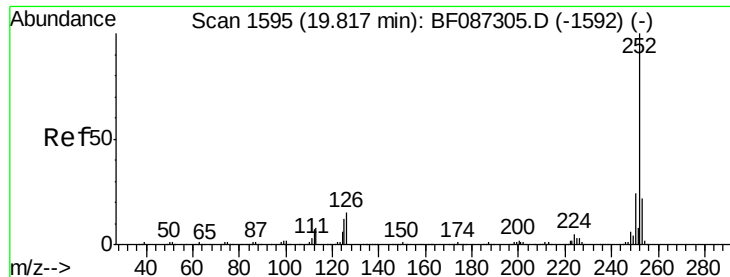


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.22 ng

RT: 19.82 min Scan# 1595

Delta R.T. 0.09 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1696(0-4)

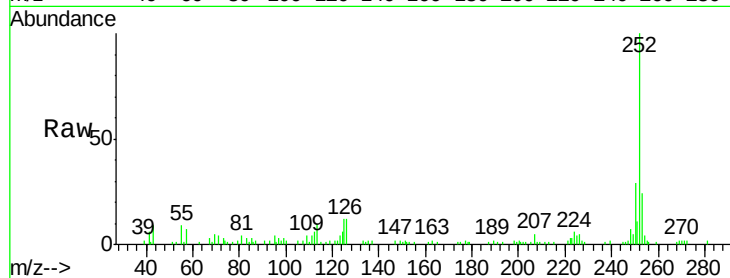
Tgt Ion:252 Resp: 38200

Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.6

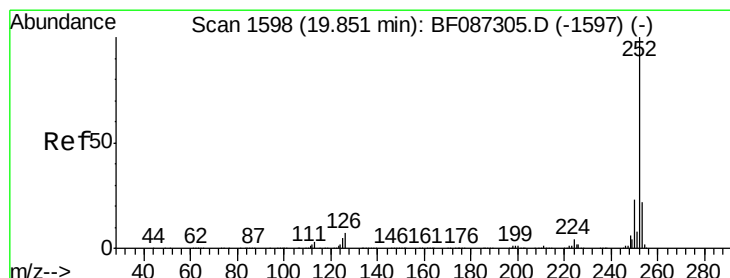
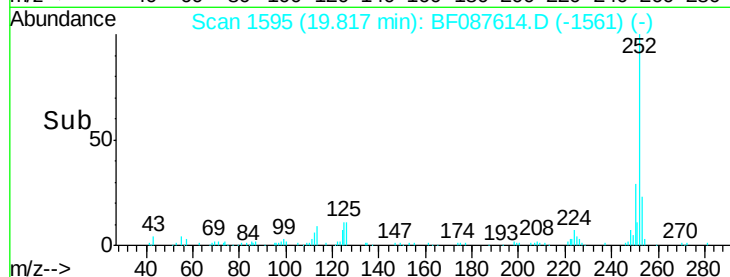
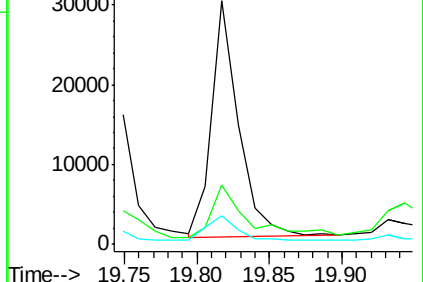
125 11.6 11.4 17.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 34.15 ng

RT: 19.69 min Scan# 1584

Delta R.T. -0.07 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

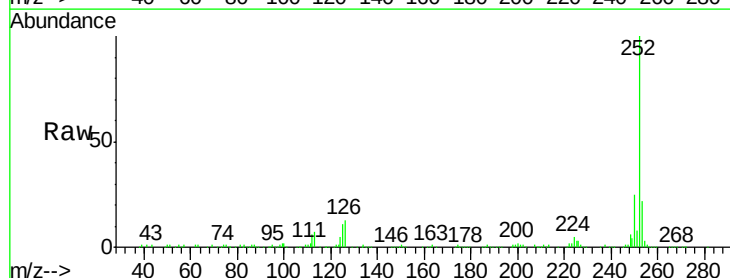
Tgt Ion:252 Resp: 349060

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

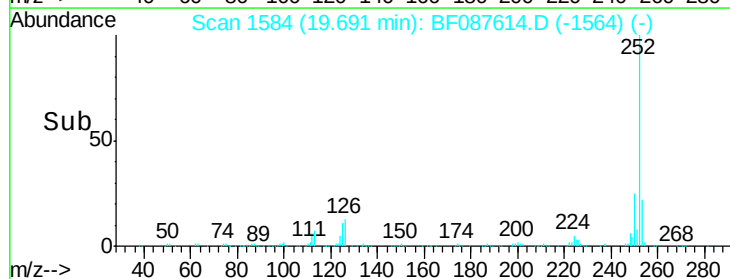
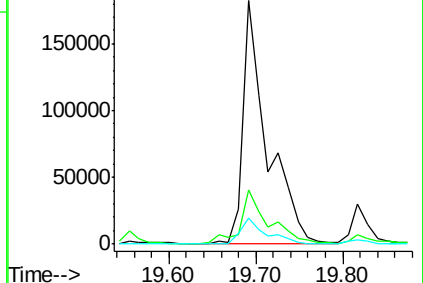
125 10.8 9.1 13.7

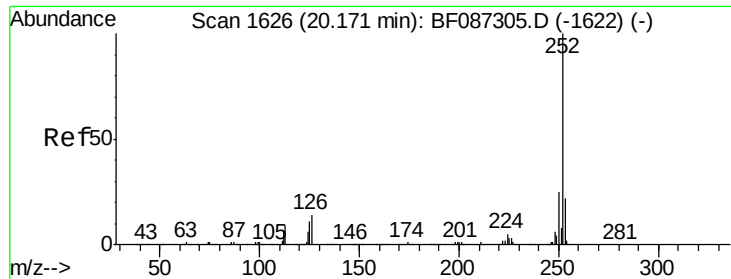


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 18.20 ng

RT: 20.05 min Scan# 1615

Delta R.T. -0.03 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1696(0-4)

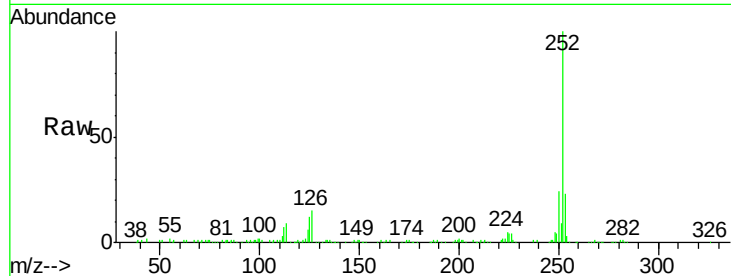
Tgt Ion:252 Resp: 186912

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

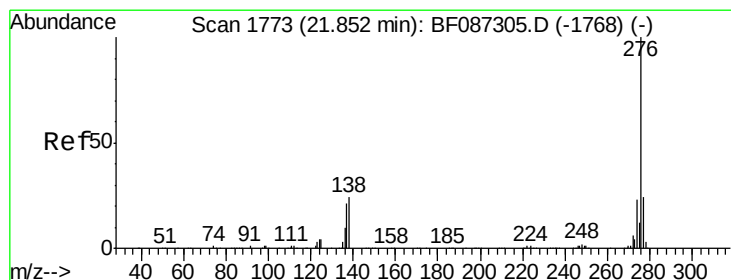
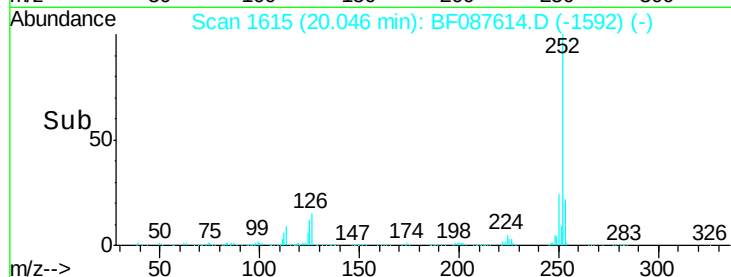
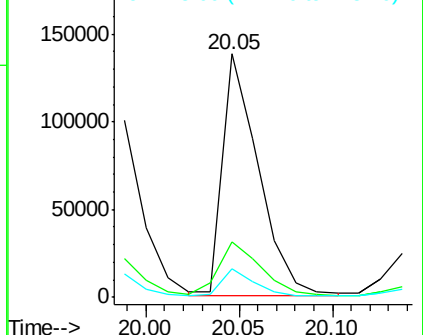
125 11.8 9.0 13.6



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



#91

Benzo(g,h,i)perylene

Concen: 9.74 ng

RT: 21.70 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF087614.D

Acq: 1 Jun 2016 10:02

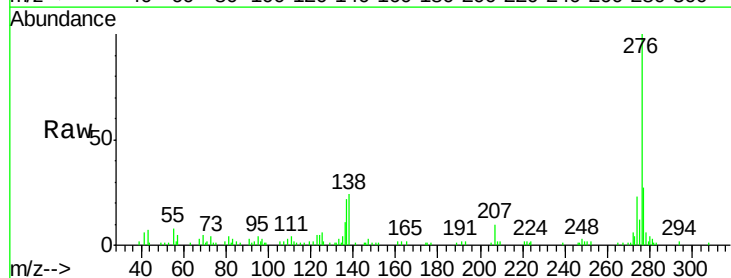
Tgt Ion:276 Resp: 84168

Ion Ratio Lower Upper

276 100

277 26.9 19.6 29.4

138 24.2 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

