

Data Path : Z:\HPCHEM1\BNA_B\DATA\BB030317\
 Data File : BB058687.D
 Acq On : 3 Mar 2017 15:24
 Operator : UM/SJ
 Sample : SSTD08080
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_B
 ClientSampleId :
 SSTD08080

Quant Time: Mar 15 01:34:35 2017
 Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM-EPA-BB030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 15 01:30:06 2017
 Response via : Initial Calibration

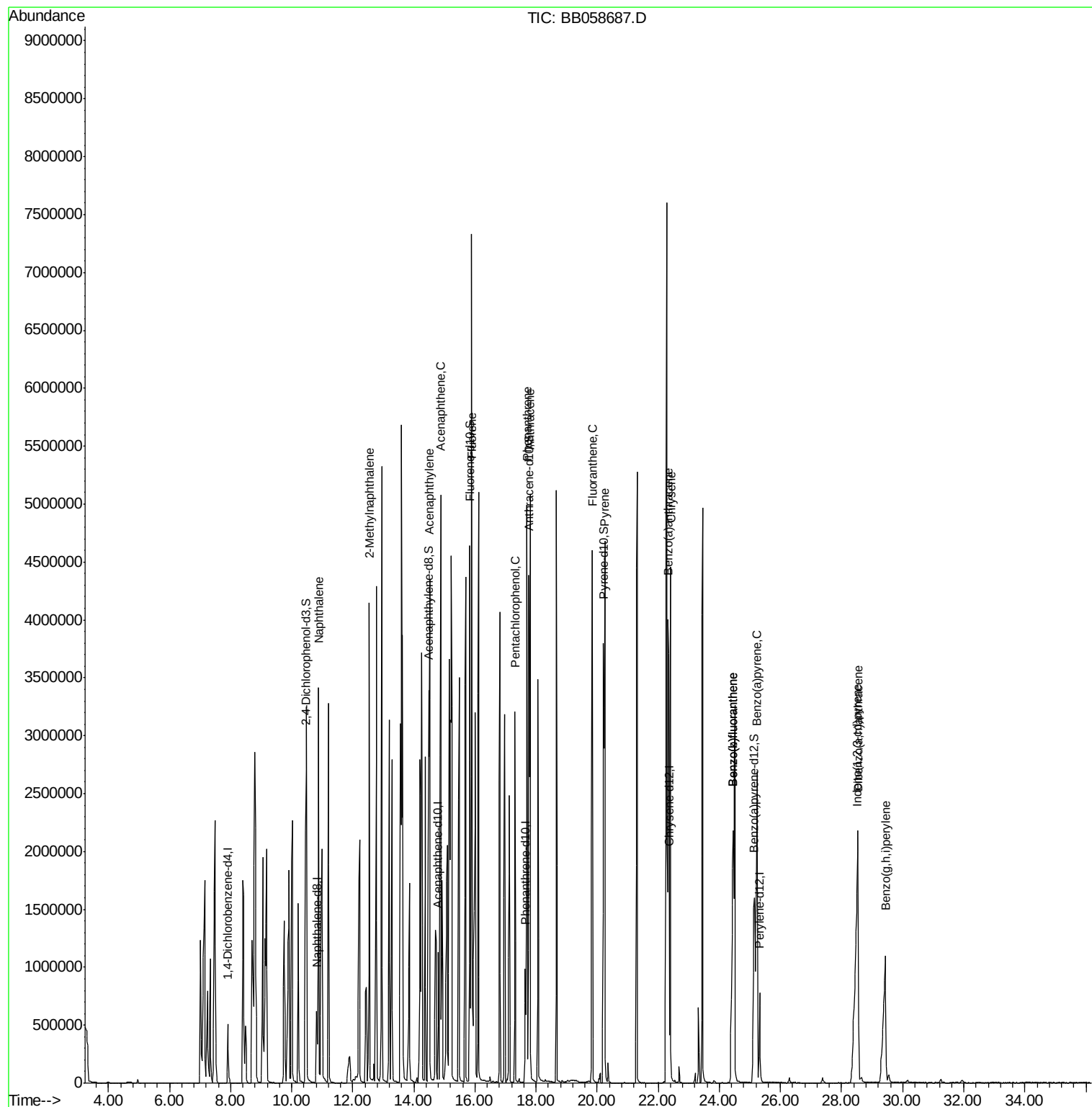
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	179463	20.00	ng/ul	0.01
2) Naphthalene-d8	10.81	136	615120	20.00	ng/ul	0.01
6) Acenaphthene-d10	14.79	164	420488	20.00	ng/ul	0.01
12) Phenanthrene-d10	17.65	188	702208	20.00	ng/ul	0.02
18) Chrysene-d12	22.35	240	670630	20.00	ng/ul	0.02
23) Perylene-d12	25.32	264	579336	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.46	165	1094562	93.73	ng/uL	0.05
7) Acenaphthylene-d8	14.48	160	3209808	88.46	ng/ul	0.02
10) Fluorene-d10	15.84	176	2199711	88.35	ng/ul	0.02
15) Anthracene-d10	17.76	188	2964655	89.70	ng/ul	0.03
19) Pyrene-d10	20.21	212	2700350	82.03	ng/ul	0.02
26) Benzo(a)pyrene-d12	25.14	264	2306330	90.26	ng/ul	0.05
Target Compounds				Qvalue		
4) Naphthalene	10.88	128	2702913	91.57	ng/ul	98
5) 2-Methylnaphthalene	12.54	142	2066449	93.07	ng/ul	99
8) Acenaphthylene	14.51	152	3144019	90.31	ng/ul	96
9) Acenaphthene	14.87	153	2086498	89.26	ng/ul	99
11) Fluorene	15.91	166	2724674	89.78	ng/ul	98
13) Pentachlorophenol	17.31	266	523996	97.00	ng/uL	99
14) Phenanthrene	17.70	178	3382373	85.14	ng/ul	96
16) Anthracene	17.81	178	3562758	87.45	ng/ul	94
17) Fluoranthene	19.84	202	3317133	83.62	ng/ul#	90
20) Pyrene	20.26	202	3593365	81.10	ng/ul#	94
21) Benzo(a)anthracene	22.32	228	3072097	82.90	ng/ul	98
22) Chrysene	22.40	228	2820947	82.61	ng/ul	97
24) Benzo(b)fluoranthene	24.45	252	3360492	99.27	ng/ul#	97
25) Benzo(k)fluoranthene	24.45	252	3360492	109.39	ng/ul#	97
27) Benzo(a)pyrene	25.22	252	2898781	91.17	ng/ul#	97
28) Indeno(1,2,3-cd)pyrene	28.52	276	2939403	80.94	ng/ul#	85
29) Dibenzo(a,h)anthracene	28.54	278	2796291	90.49	ng/ul	98
30) Benzo(g,h,i)perylene	29.44	276	2623775	87.45	ng/ul	97

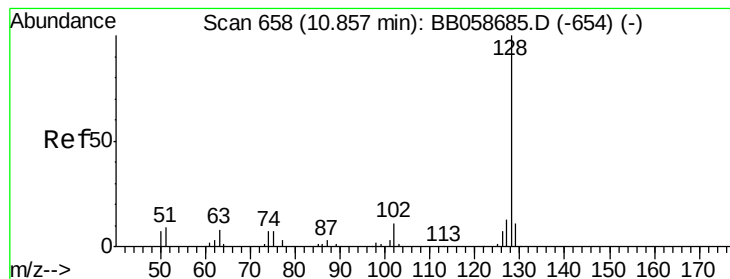
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 91.57 ng/ul

RT: 10.88 min Scan# 660

Delta R.T. 0.02 min

Lab File: BB058687.D

Acq: 3 Mar 2017 15:24

Instrument :

BNA_B

ClientSampleId :

SSTD08080

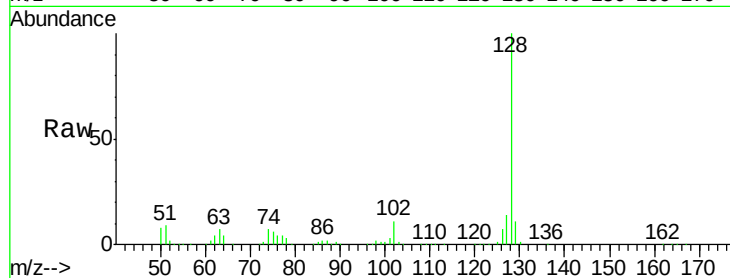
Tgt Ion:128 Resp: 2702913

Ion Ratio Lower Upper

128 100

129 11.4 8.7 13.1

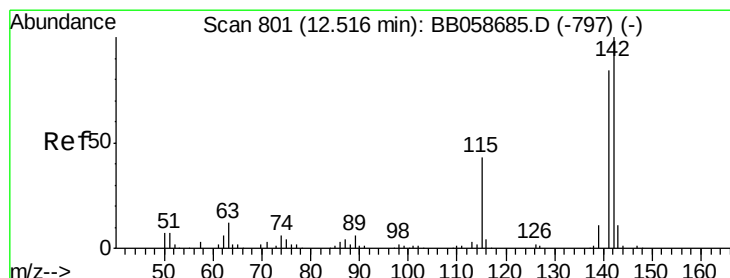
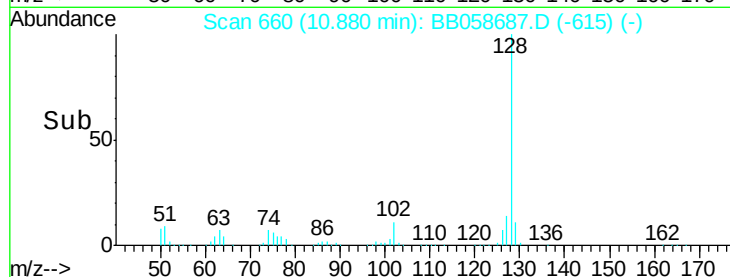
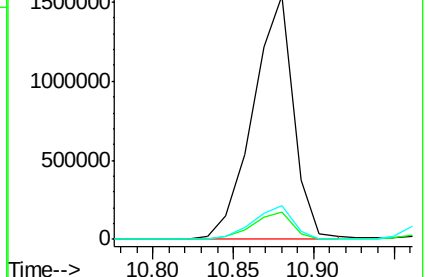
127 14.0 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 93.07 ng/ul

RT: 12.54 min Scan# 803

Delta R.T. 0.02 min

Lab File: BB058687.D

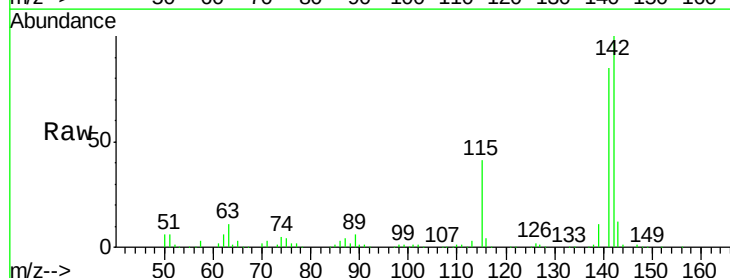
Acq: 3 Mar 2017 15:24

Tgt Ion:142 Resp: 2066449

Ion Ratio Lower Upper

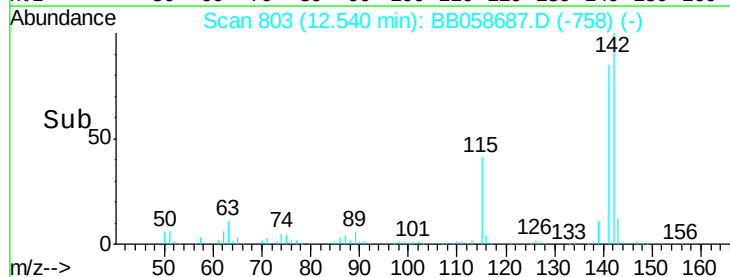
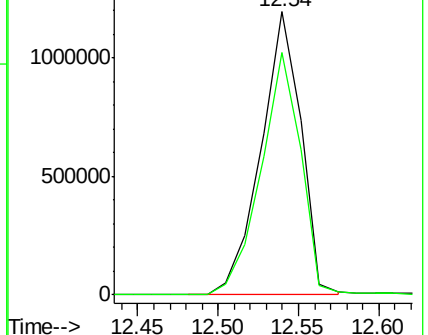
142 100

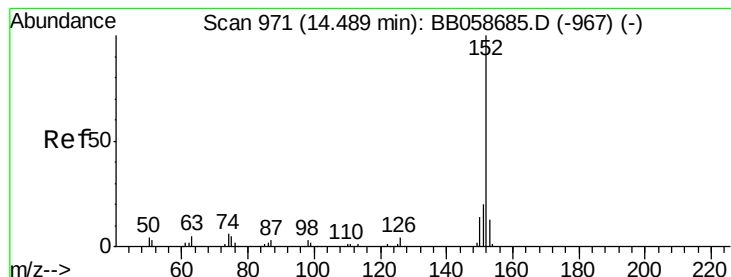
141 85.4 67.5 101.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 90.31 ng/ul

RT: 14.51 min Scan# 973

Delta R.T. 0.02 min

Lab File: BB058687.D

Acq: 3 Mar 2017 15:24

Instrument :

BNA_B

ClientSampleId :

SSTD08080

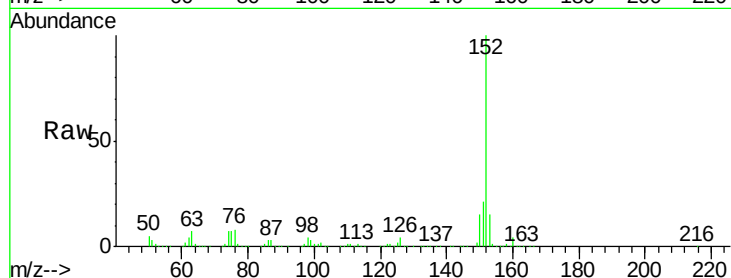
Tgt Ion:152 Resp: 3144019

Ion Ratio Lower Upper

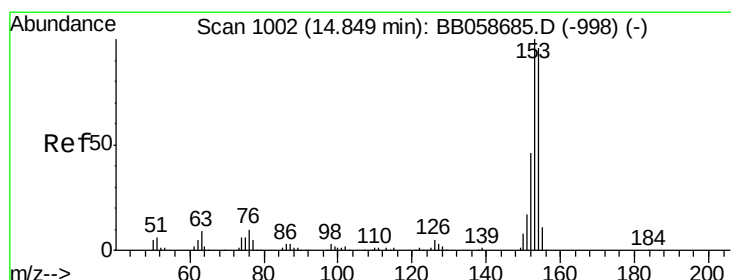
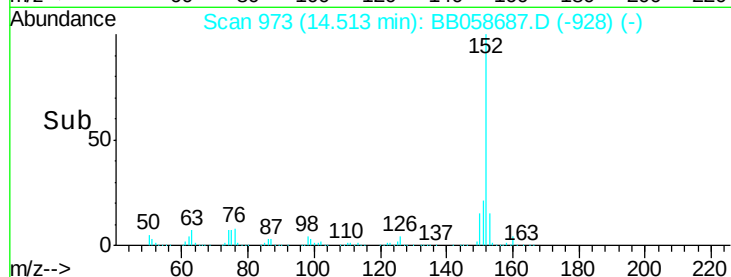
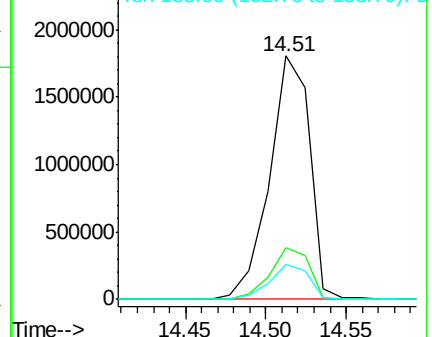
152 100

151 21.2 15.7 23.5

153 14.6 10.4 15.6



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



#9

Acenaphthene

Concen: 89.26 ng/ul

RT: 14.87 min Scan# 1004

Delta R.T. 0.02 min

Lab File: BB058687.D

Acq: 3 Mar 2017 15:24

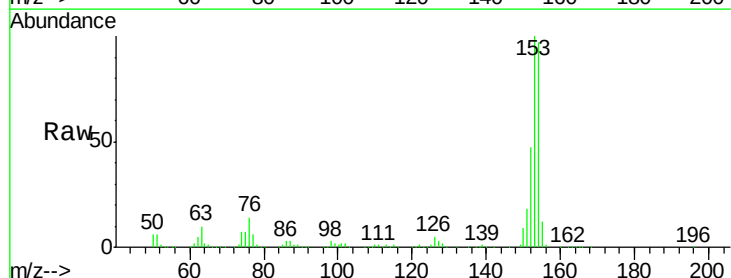
Tgt Ion:153 Resp: 2086498

Ion Ratio Lower Upper

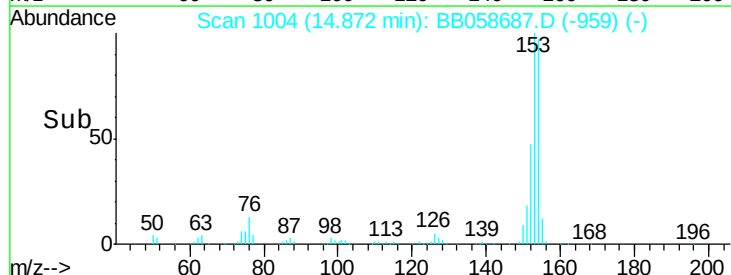
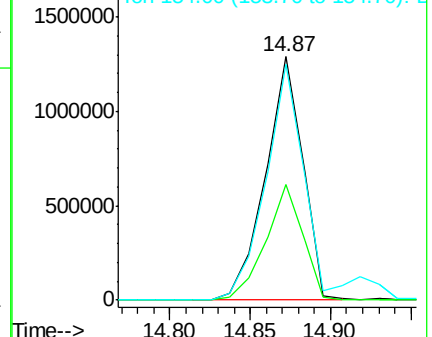
153 100

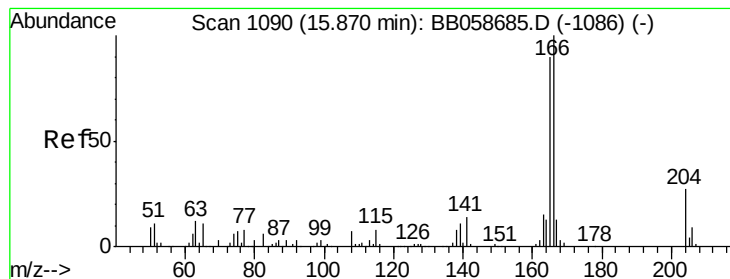
152 47.4 37.0 55.4

154 96.8 76.5 114.7



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 89.78 ng/uL

RT: 15.91 min Scan# 1093

Delta R.T. 0.03 min

Lab File: BB058687.D

Acq: 3 Mar 2017 15:24

Instrument :

BNA_B

ClientSampleId :

SSTD08080

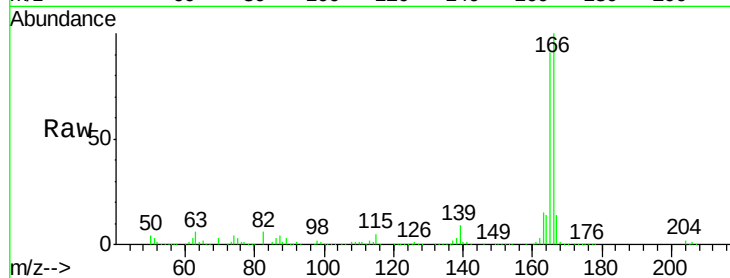
Tgt Ion:166 Resp: 2724674

Ion Ratio Lower Upper

166 100

165 91.2 71.6 107.4

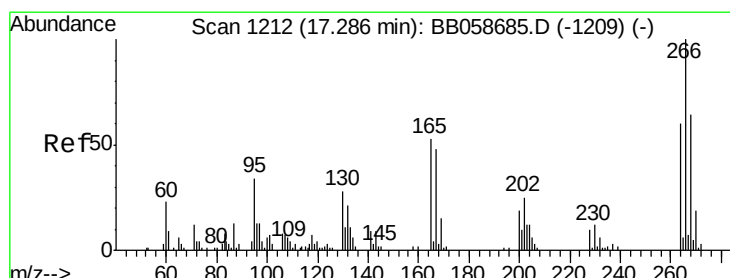
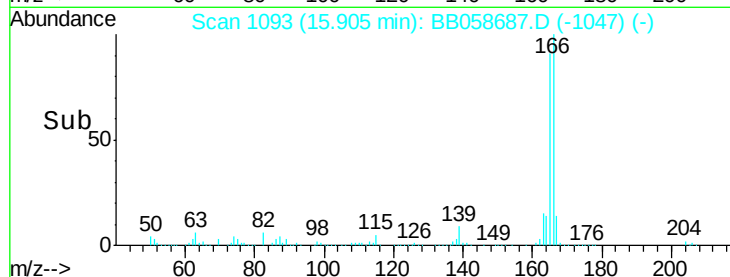
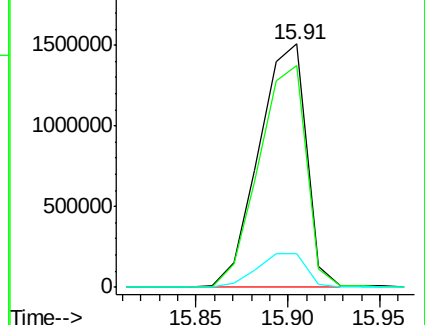
167 13.8 10.3 15.5



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#13

Pentachlorophenol

Concen: 97.00 ng/uL

RT: 17.31 min Scan# 1214

Delta R.T. 0.02 min

Lab File: BB058687.D

Acq: 3 Mar 2017 15:24

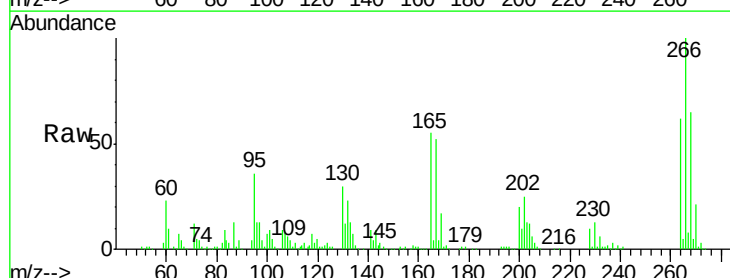
Tgt Ion:266 Resp: 523996

Ion Ratio Lower Upper

266 100

264 61.9 49.4 74.2

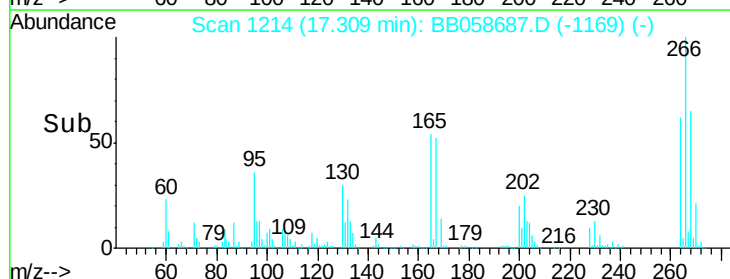
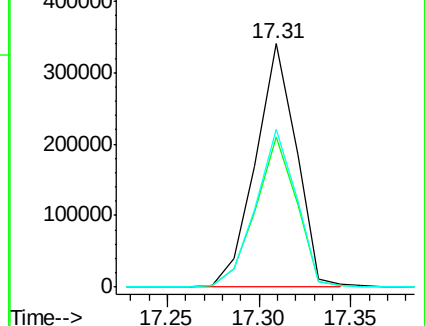
268 64.7 51.1 76.7

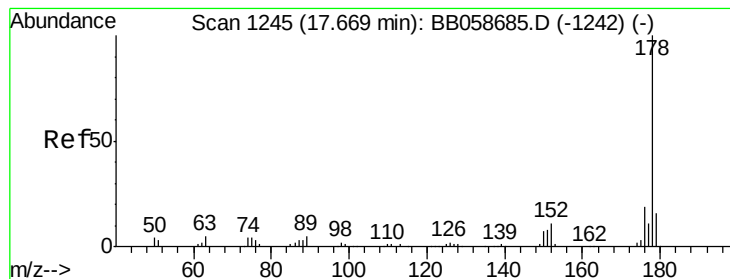


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 85.14 ng/ul

RT: 17.70 min Scan# 1248

Delta R.T. 0.03 min

Lab File: BB058687.D

Acq: 3 Mar 2017 15:24

Instrument :

BNA_B

ClientSampleId :

SSTD08080

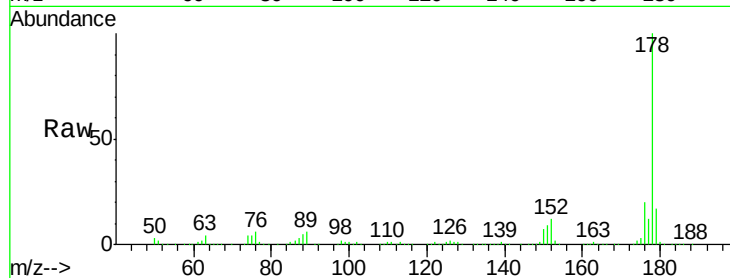
Tgt Ion:178 Resp: 3382373

Ion Ratio Lower Upper

178 100

179 17.1 12.5 18.7

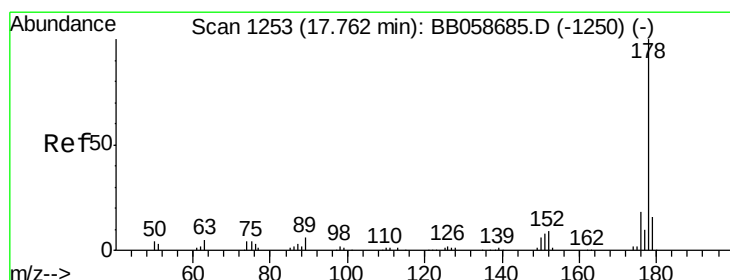
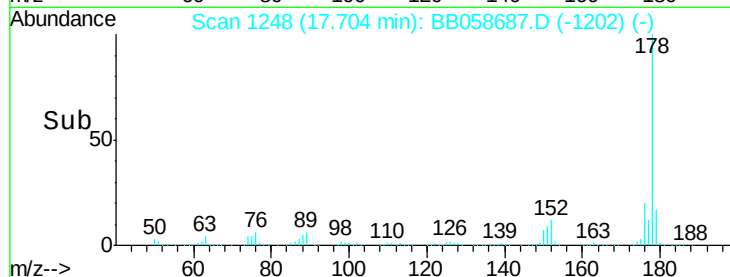
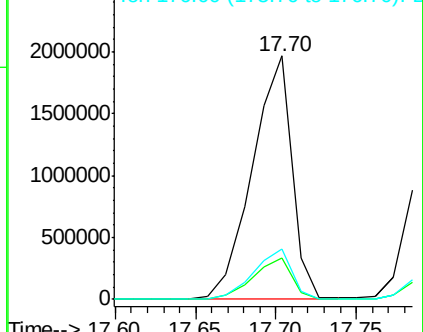
176 20.5 15.0 22.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#16

Anthracene

Concen: 87.45 ng/ul

RT: 17.81 min Scan# 1257

Delta R.T. 0.05 min

Lab File: BB058687.D

Acq: 3 Mar 2017 15:24

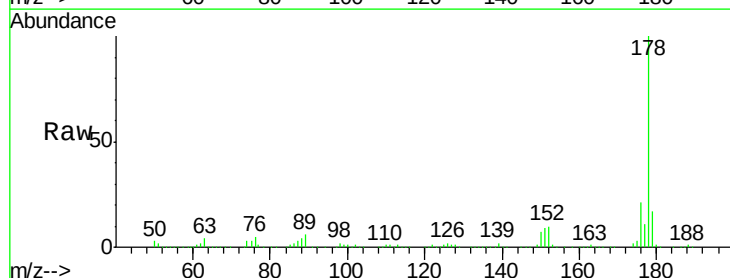
Tgt Ion:178 Resp: 3562758

Ion Ratio Lower Upper

178 100

179 17.4 12.3 18.5

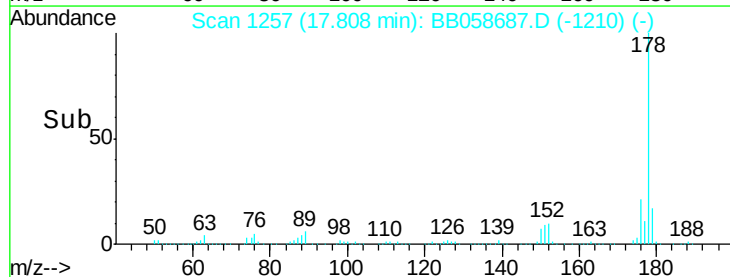
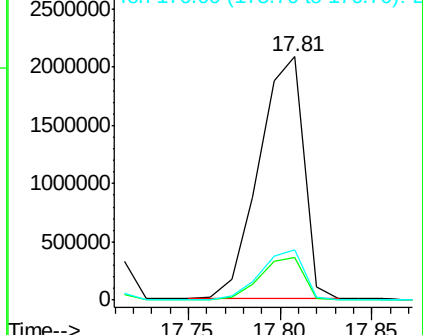
176 20.8 14.2 21.2

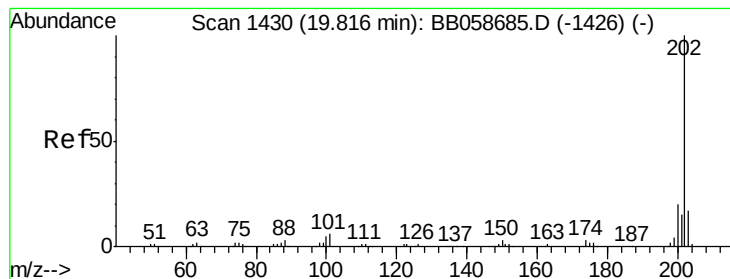


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 83.62 ng/ul

RT: 19.84 min Scan# 1432

Delta R.T. 0.02 min

Lab File: BB058687.D

Acq: 3 Mar 2017 15:24

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SSTD08080

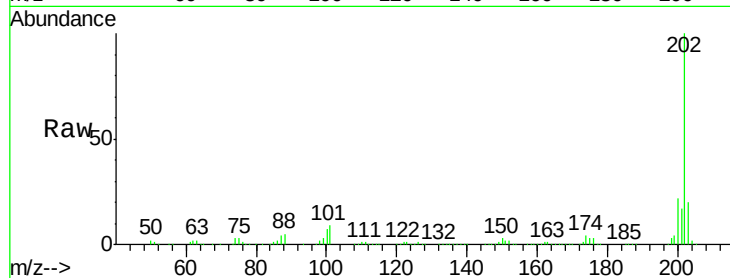
Tgt Ion:202 Resp: 3317133

Ion Ratio Lower Upper

202 100

101 9.5 4.6 6.8#

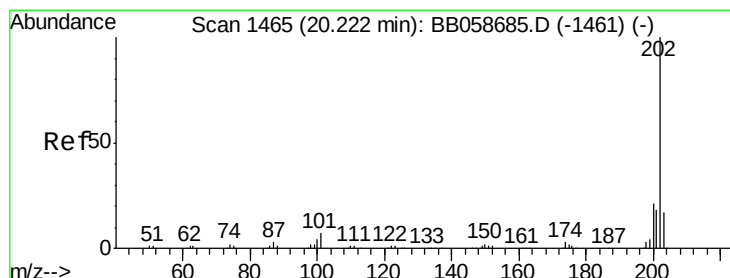
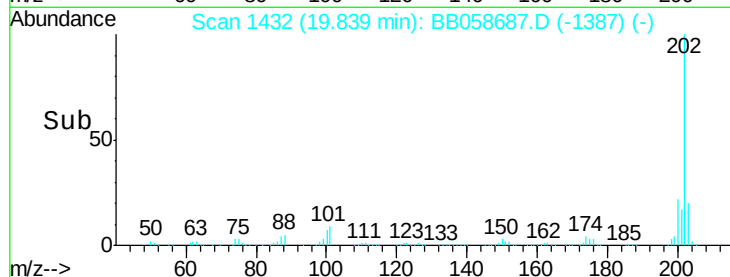
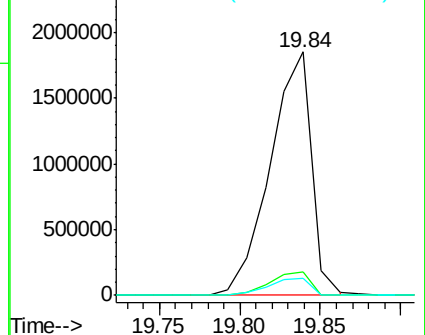
100 7.2 3.7 5.5#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE



#20

Pyrene

Concen: 81.10 ng/ul

RT: 20.26 min Scan# 1468

Delta R.T. 0.03 min

Lab File: BB058687.D

Acq: 3 Mar 2017 15:24

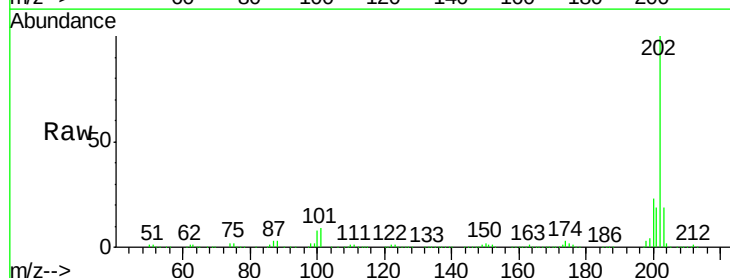
Tgt Ion:202 Resp: 3593365

Ion Ratio Lower Upper

202 100

101 9.5 5.8 8.6#

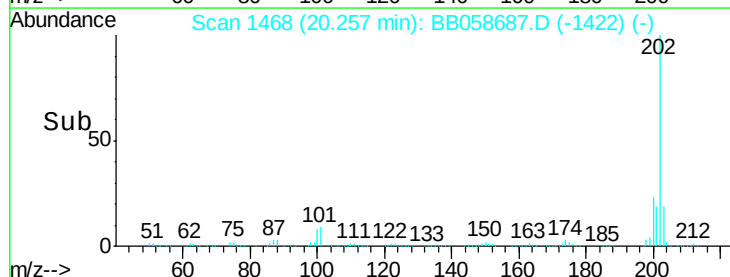
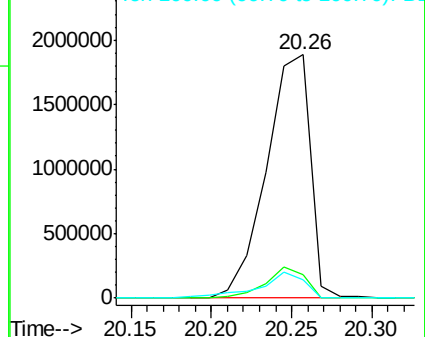
100 7.7 4.6 6.8#

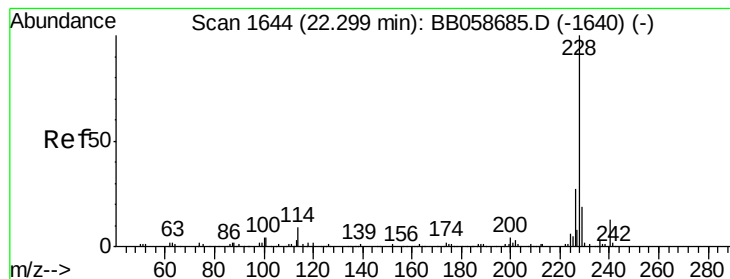


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#21

Benzo(a)anthracene

Concen: 82.90 ng/ul

RT: 22.32 min Scan# 1646

Delta R.T. 0.02 min

Lab File: BB058687.D

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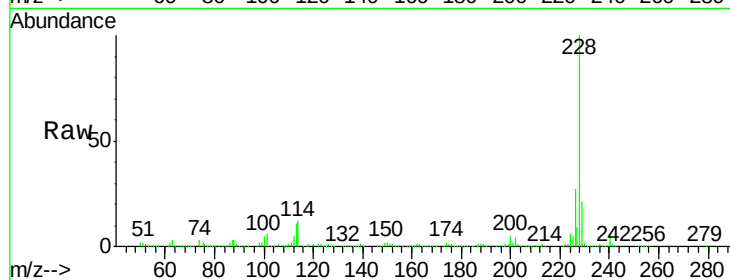
Tgt Ion:228 Resp: 3072097

Ion Ratio Lower Upper

228 100

229 21.0 15.6 23.4

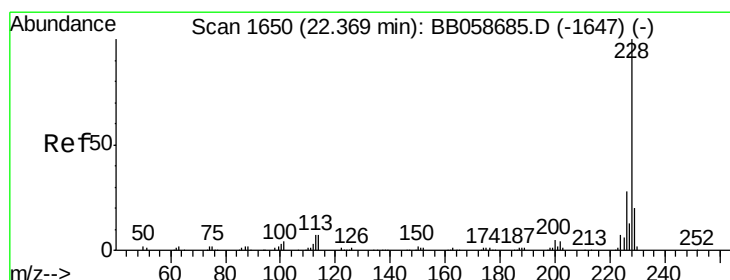
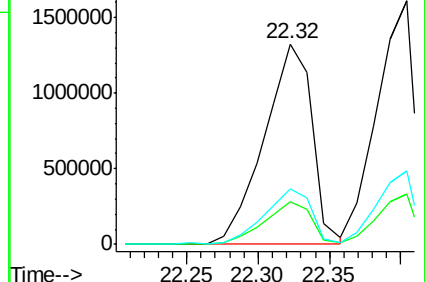
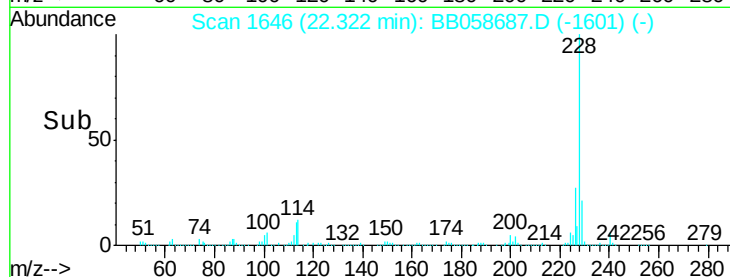
226 27.4 21.3 31.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#22

Chrysene

Concen: 82.61 ng/ul

RT: 22.40 min Scan# 1653

Delta R.T. 0.03 min

Lab File: BB058687.D

Acq: 3 Mar 2017 15:24

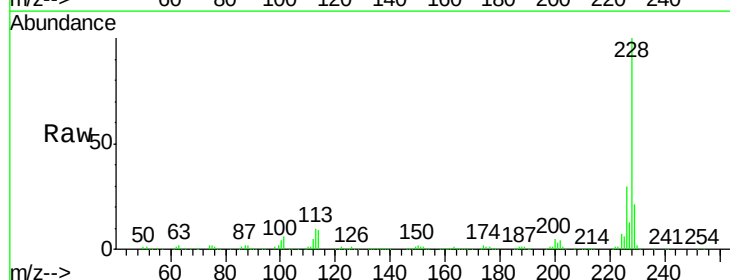
Tgt Ion:228 Resp: 2820947

Ion Ratio Lower Upper

228 100

226 30.3 22.5 33.7

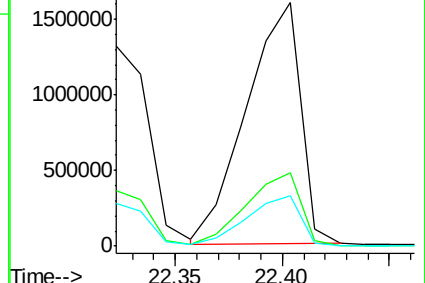
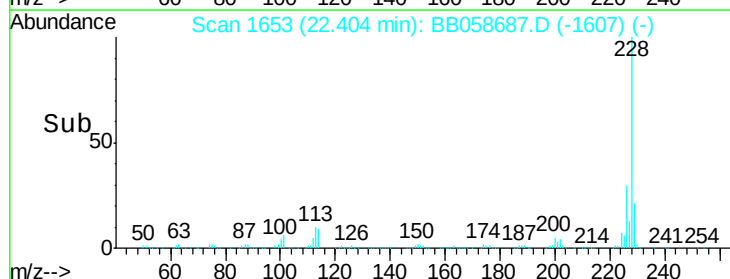
229 20.9 16.2 24.2

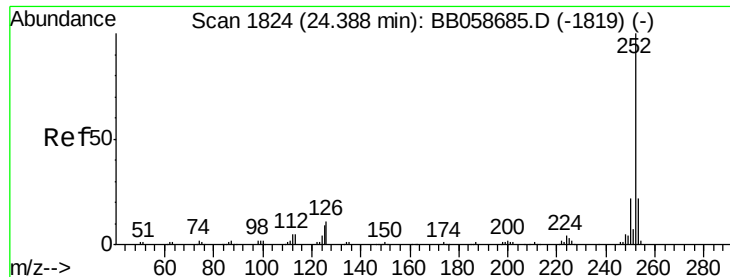


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 99.27 ng/ul

RT: 24.45 min Scan# 1829

Delta R.T. 0.06 min

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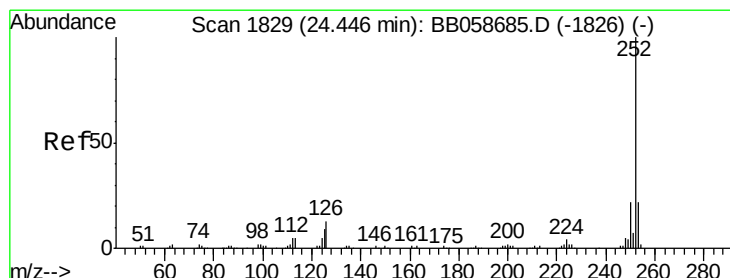
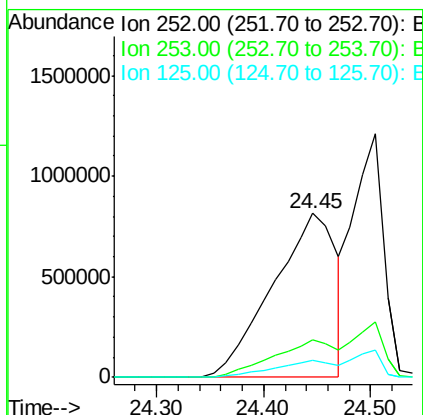
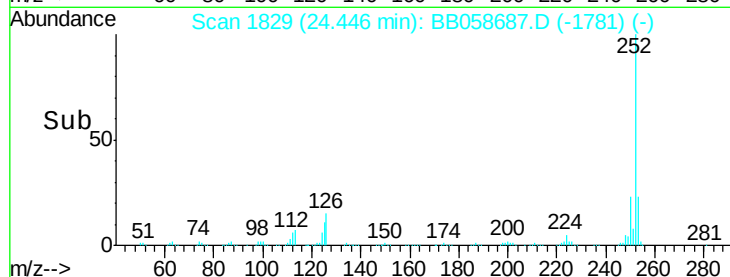
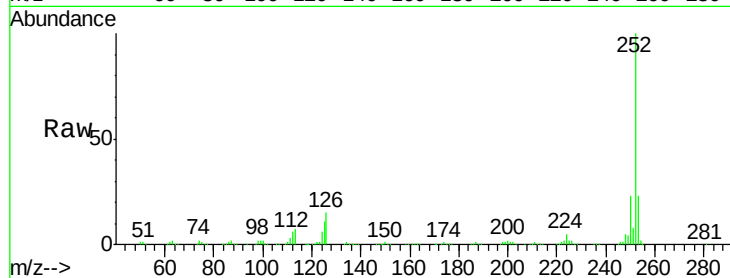
Tgt Ion:252 Resp: 3360492

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 10.6 7.0 10.4#



#25

Benzo(k)fluoranthene

Concen: 109.39 ng/ul

RT: 24.45 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BB058687.D

Acq: 3 Mar 2017 15:24

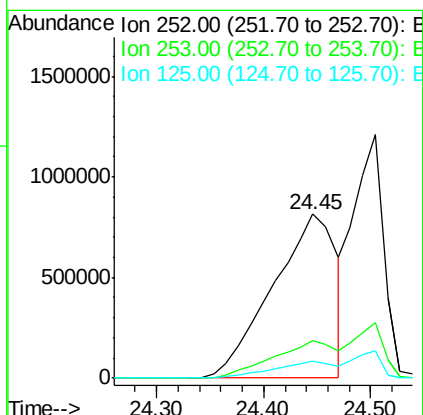
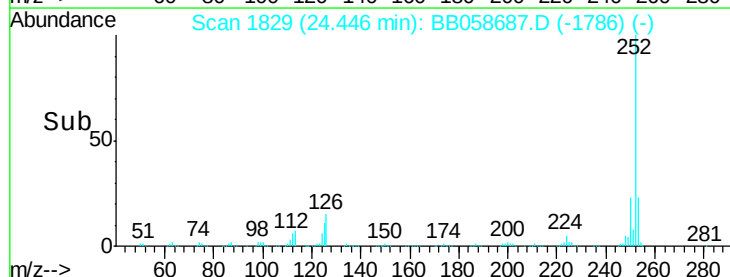
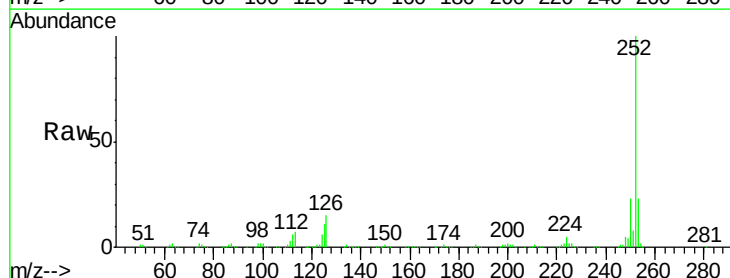
Tgt Ion:252 Resp: 3360492

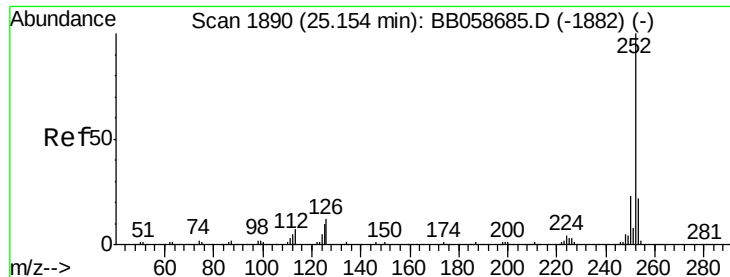
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

125 10.6 7.0 10.4#





#27

Benzo(a)pyrene

Concen: 91.17 ng/ul

RT: 25.22 min Scan# 1896

Delta R.T. 0.07 min

Lab File: BB058687.D

Acq: 3 Mar 2017 15:24

Instrument :

BNA_B

ClientSampleId :

SSTD08080

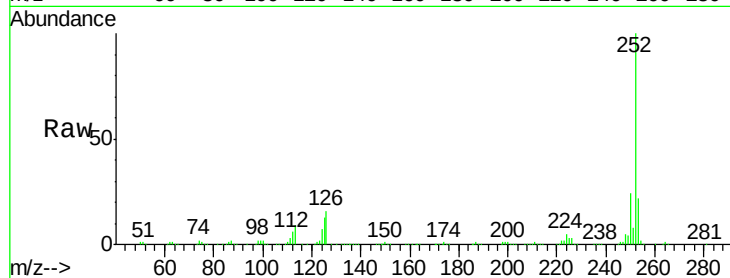
Tgt Ion:252 Resp: 2898781

Ion Ratio Lower Upper

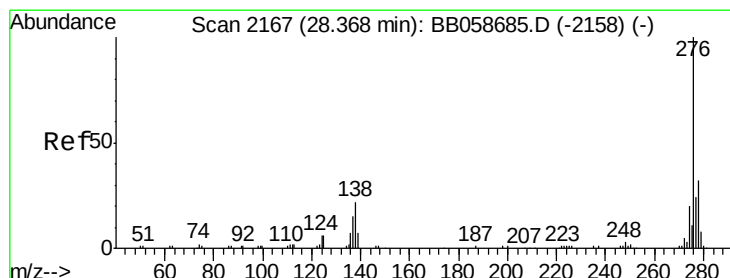
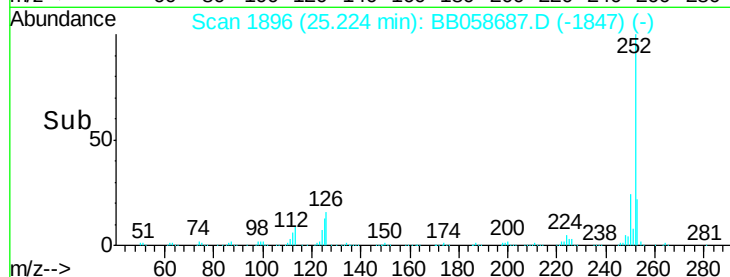
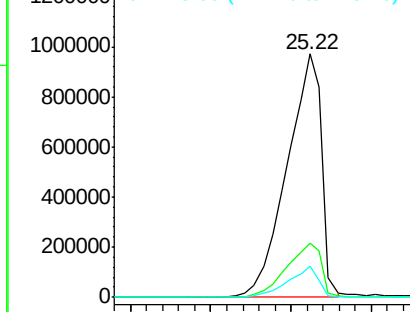
252 100

253 22.4 17.4 26.2

125 12.7 8.1 12.1#



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



#28

Indeno(1,2,3-cd)pyrene

Concen: 80.94 ng/ul

RT: 28.52 min Scan# 2180

Delta R.T. 0.15 min

Lab File: BB058687.D

Acq: 3 Mar 2017 15:24

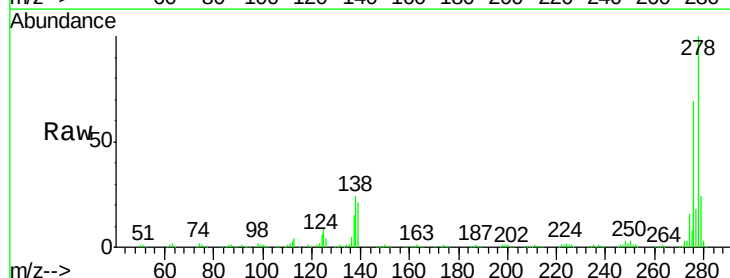
Tgt Ion:276 Resp: 2939403

Ion Ratio Lower Upper

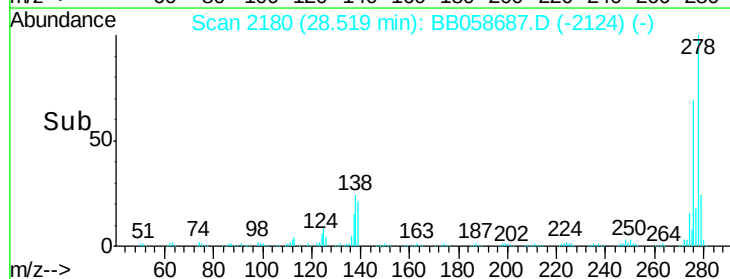
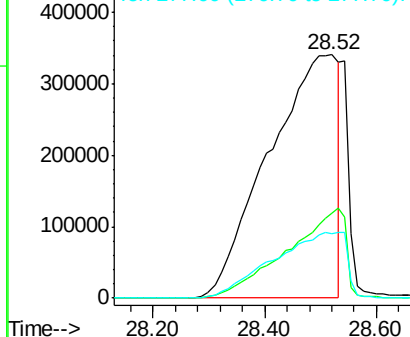
276 100

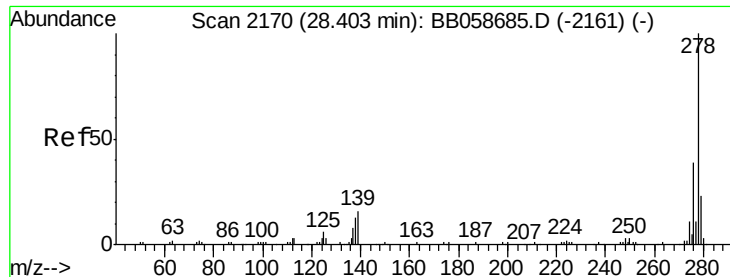
138 34.9 17.6 26.4#

277 26.7 19.5 29.3



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





#29

Dibenzo(a,h)anthracene

Concen: 90.49 ng/ul

RT: 28.54 min Scan# 2182

Delta R.T. 0.14 min

Lab File: BB058687.D

Acq: 3 Mar 2017 15:24

Instrument :

BNA_B

ClientSampleId :

SSTD08080

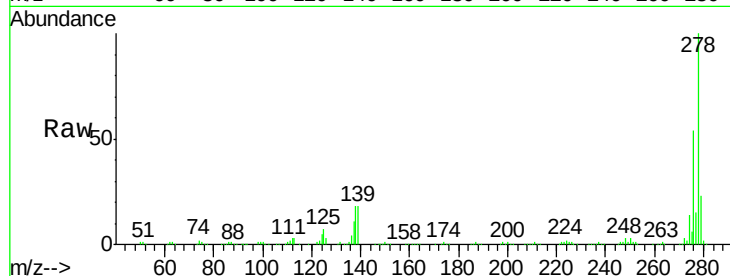
Tgt Ion:278 Resp: 2796291

Ion Ratio Lower Upper

278 100

139 17.9 13.2 19.8

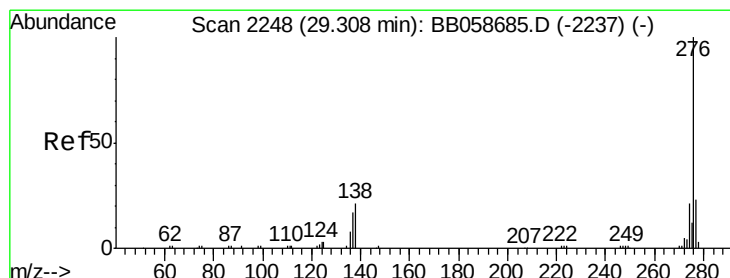
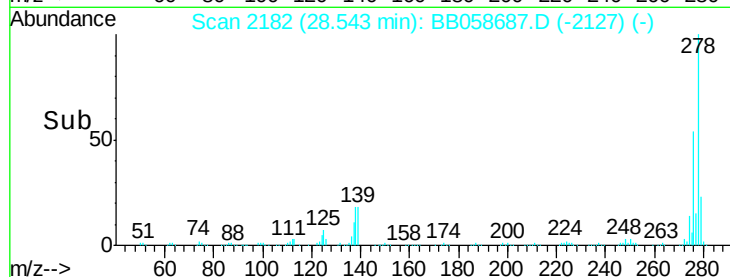
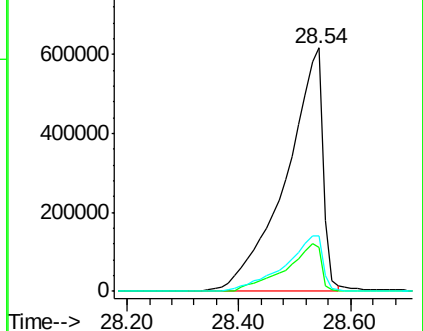
279 22.7 18.5 27.7



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



#30

Benzo(g,h,i)perylene

Concen: 87.45 ng/ul

RT: 29.44 min Scan# 2259

Delta R.T. 0.13 min

Lab File: BB058687.D

Acq: 3 Mar 2017 15:24

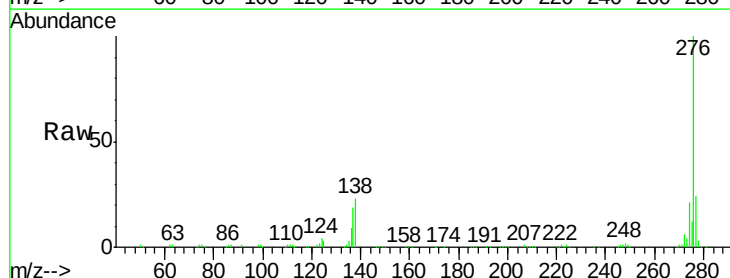
Tgt Ion:276 Resp: 2623775

Ion Ratio Lower Upper

276 100

138 23.2 17.0 25.4

277 24.2 18.3 27.5



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

