

Data Path : Z:\HPCHEM1\BNA_B\DATA\BB030317\
 Data File : BB058684.D
 Acq On : 3 Mar 2017 13:13
 Operator : UM/SJ
 Sample : SSTD01077
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_B
 ClientSampleId :
 SSTD01077

Quant Time: Mar 15 01:34:04 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	7.90	152	169469	20.00	ng/ul	0.00
2) Naphthalene-d8	10.80	136	574902	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.78	164	394380	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.62	188	647270	20.00	ng/ul	0.00
18) Chrysene-d12	22.32	240	545200	20.00	ng/ul	0.00
23) Perylene-d12	25.28	264	531350	20.00	ng/ul	-0.01

System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.42	165	100710	9.23	ng/uL	0.00
7) Acenaphthylene-d8	14.46	160	306720	9.01	ng/ul	0.00
10) Fluorene-d10	15.80	176	208124	8.91	ng/ul	-0.01
15) Anthracene-d10	17.73	188	282298	9.27	ng/ul	0.00
19) Pyrene-d10	20.18	212	265895	9.94	ng/ul	-0.01
26) Benzo(a)pyrene-d12	25.07	264	217595	9.28	ng/ul	-0.02

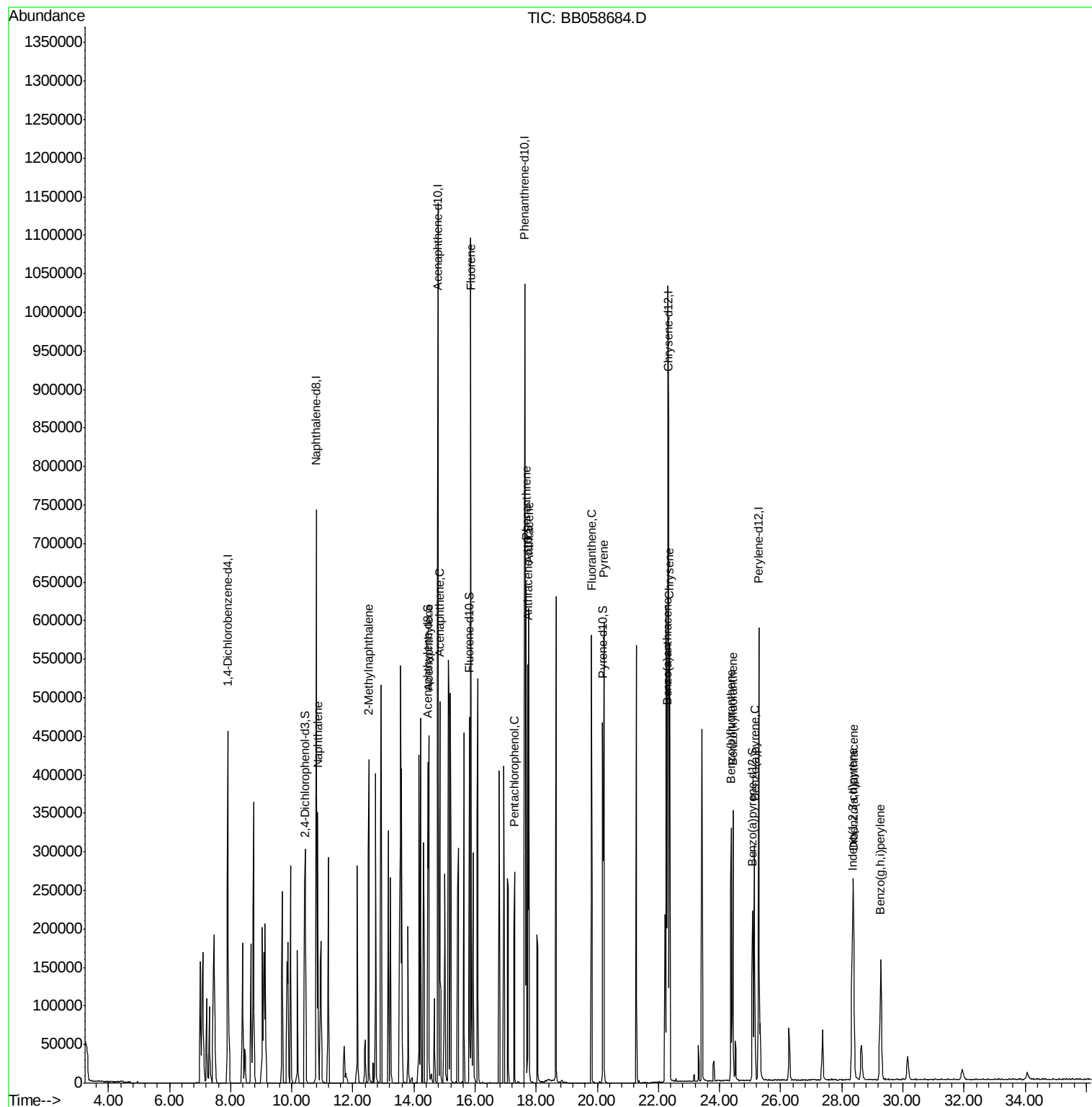
Target Compounds				Qvalue		
4) Naphthalene	10.85	128	256546	9.30	ng/ul	100
5) 2-Methylnaphthalene	12.52	142	189615	9.14	ng/ul	98
8) Acenaphthylene	14.48	152	289041	8.85	ng/ul	99
9) Acenaphthene	14.84	153	194734	8.88	ng/ul	99
11) Fluorene	15.86	166	250580	8.80	ng/ul	98
13) Pentachlorophenol	17.29	266	46029	9.24	ng/uL	97
14) Phenanthrene	17.67	178	352679	9.63	ng/ul	98
16) Anthracene	17.76	178	350963	9.35	ng/ul	99
17) Fluoranthene	19.81	202	345668	9.45	ng/ul#	97
20) Pyrene	20.21	202	351152	9.75	ng/ul	97
21) Benzo(a)anthracene	22.29	228	295736	9.82	ng/ul	98
22) Chrysene	22.36	228	266162	9.59	ng/ul	99
24) Benzo(b)fluoranthene	24.38	252	272018	8.76	ng/ul	99
25) Benzo(k)fluoranthene	24.44	252	271268	9.63	ng/ul	99
27) Benzo(a)pyrene	25.14	252	264463	9.07	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.35	276	306088	9.19	ng/ul	99
29) Dibenzo(a,h)anthracene	28.38	278	260045	9.18	ng/ul	96
30) Benzo(g,h,i)perylene	29.27	276	259880	9.44	ng/ul	99

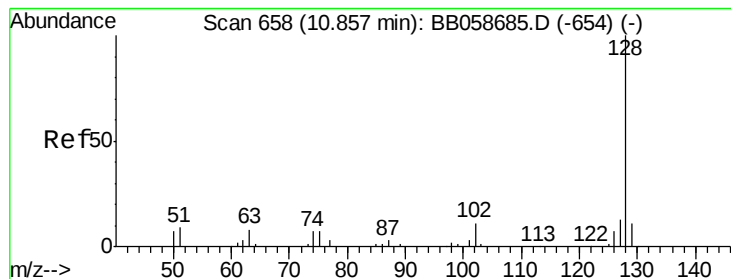
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 9.30 ng/ul

RT: 10.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BB058684.D

Acq: 3 Mar 2017 13:13

Instrument :

BNA_B

ClientSampleId :

SSTD01077

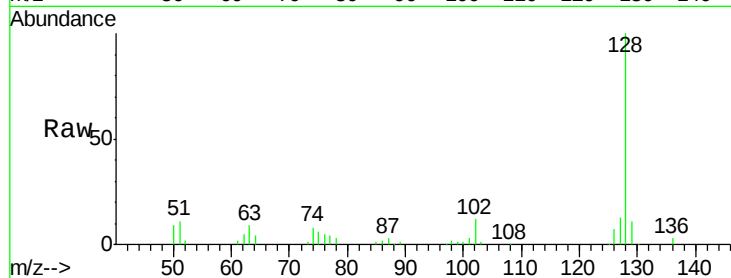
Tgt Ion:128 Resp: 256546

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

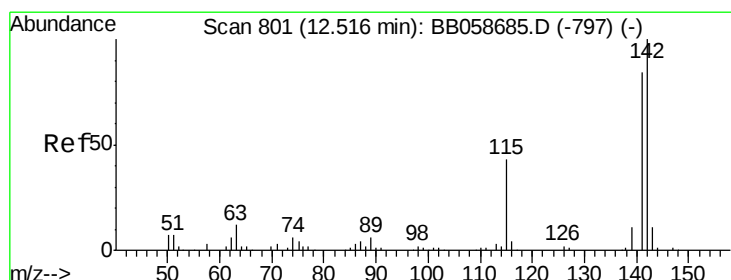
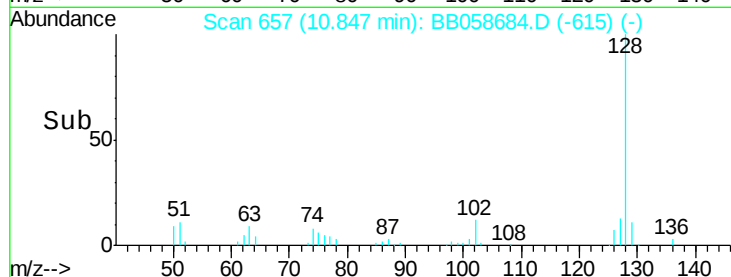
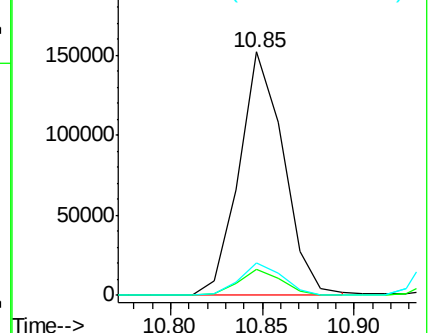
127 13.1 10.6 15.8



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: 9.14 ng/ul

RT: 12.52 min Scan# 801

Delta R.T. 0.00 min

Lab File: BB058684.D

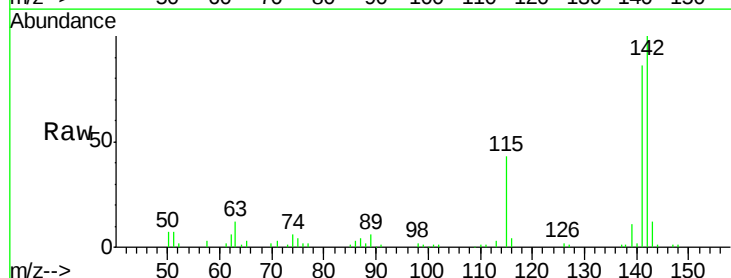
Acq: 3 Mar 2017 13:13

Tgt Ion:142 Resp: 189615

Ion Ratio Lower Upper

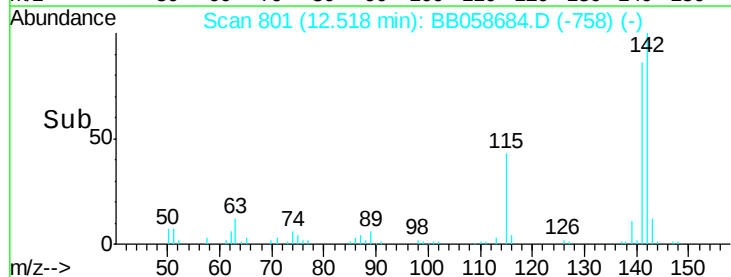
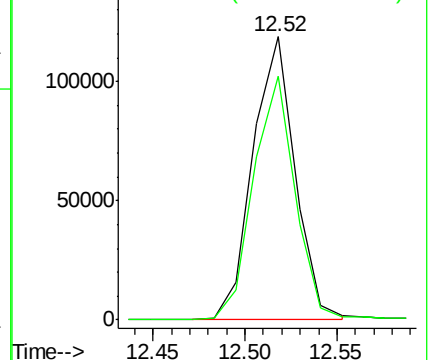
142 100

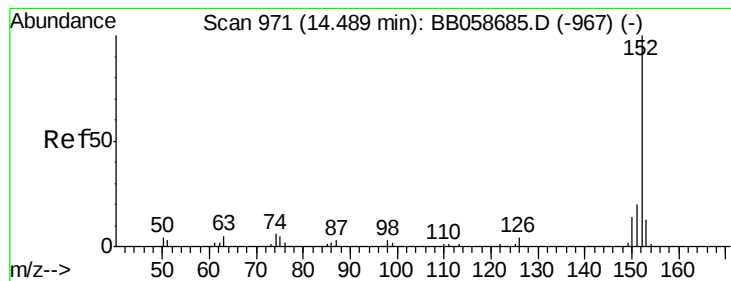
141 86.1 67.5 101.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 8.85 ng/ul

RT: 14.48 min Scan# 970

Delta R.T. -0.01 min

Lab File: BB058684.D

Acq: 3 Mar 2017 13:13

Instrument :

BNA_B

ClientSampleId :

SSTD01077

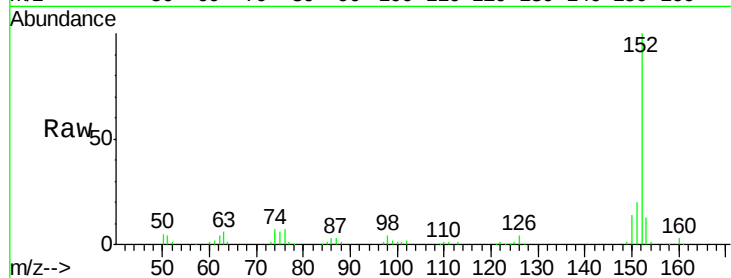
Tgt Ion:152 Resp: 289041

Ion Ratio Lower Upper

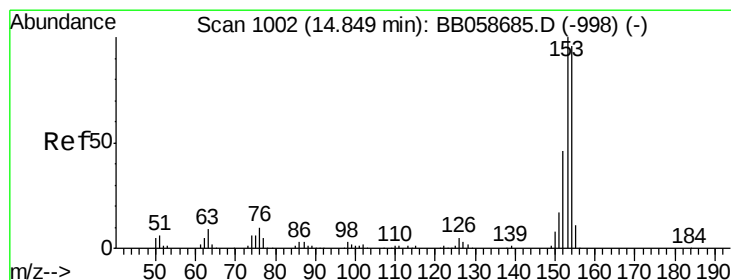
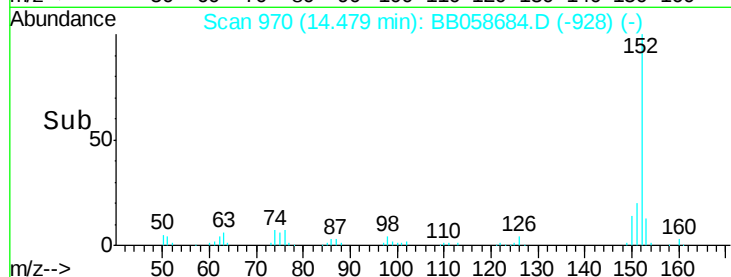
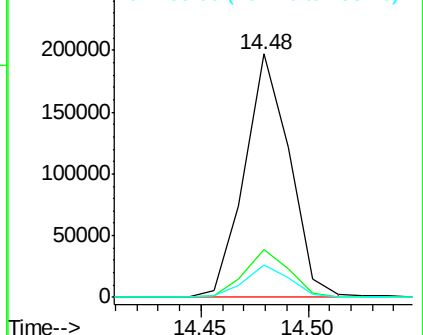
152 100

151 19.8 15.7 23.5

153 13.4 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: 8.88 ng/ul

RT: 14.84 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BB058684.D

Acq: 3 Mar 2017 13:13

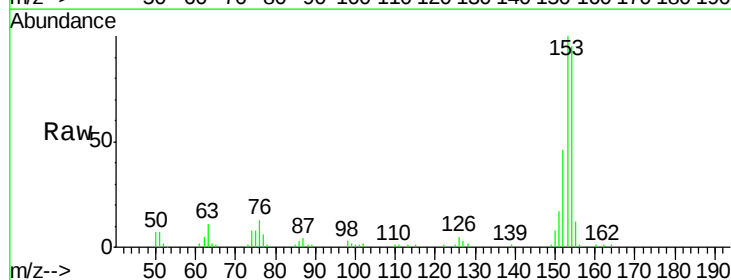
Tgt Ion:153 Resp: 194734

Ion Ratio Lower Upper

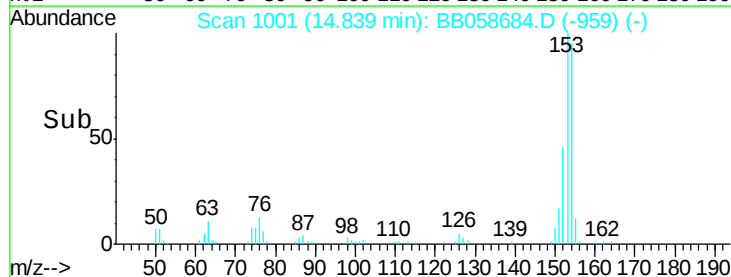
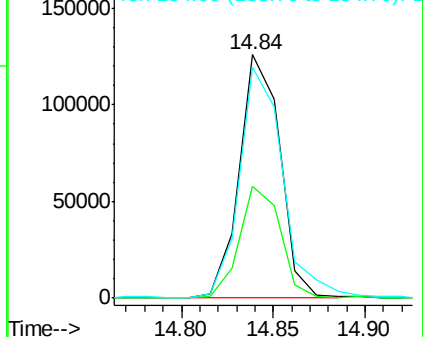
153 100

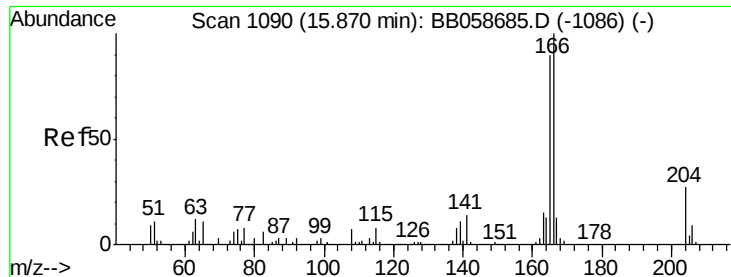
152 46.1 37.0 55.4

154 94.9 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: 8.80 ng/uL

RT: 15.86 min Scan# 1089

Delta R.T. -0.01 min

Lab File: BB058684.D

Acq: 3 Mar 2017 13:13

Instrument :

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SSTD01077

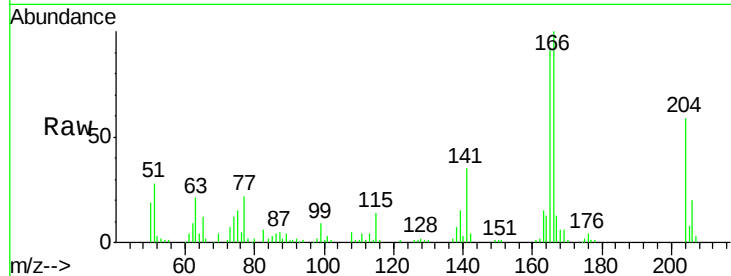
Tgt Ion:166 Resp: 250580

Ion Ratio Lower Upper

166 100

165 91.6 71.6 107.4

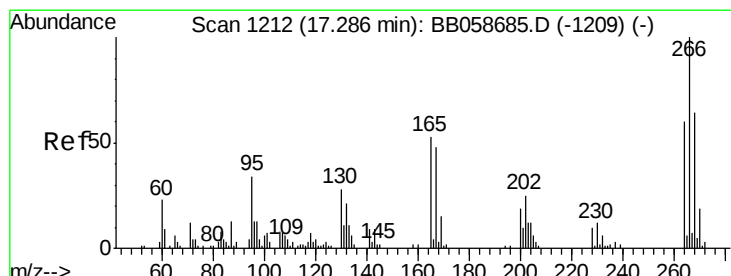
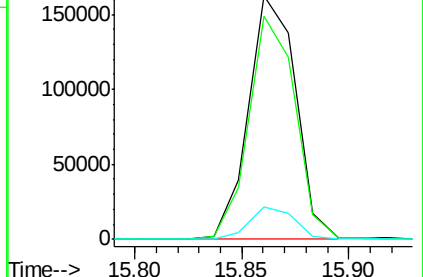
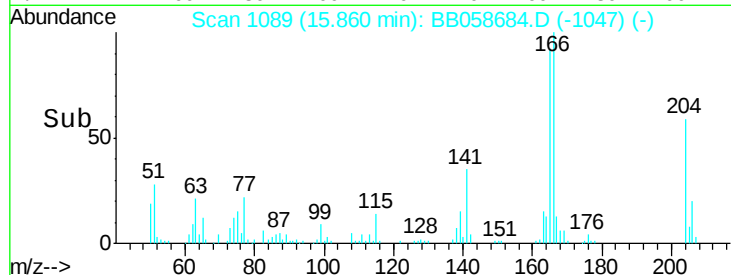
167 13.2 10.3 15.5



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: 9.24 ng/uL

RT: 17.29 min Scan# 1212

Delta R.T. 0.00 min

Lab File: BB058684.D

Acq: 3 Mar 2017 13:13

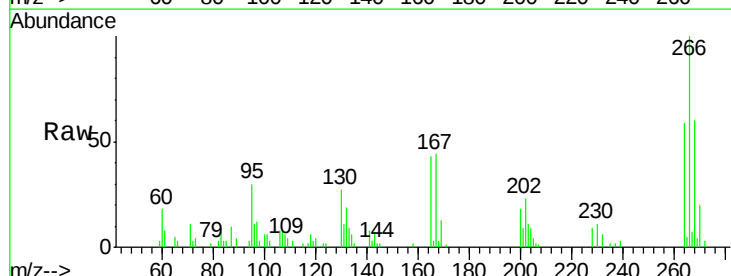
Tgt Ion:266 Resp: 46029

Ion Ratio Lower Upper

266 100

264 59.1 49.4 74.2

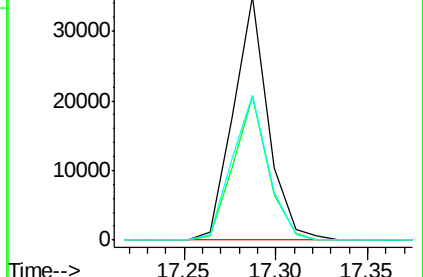
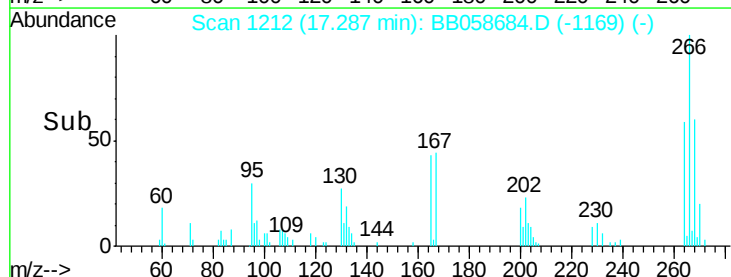
268 62.1 51.1 76.7

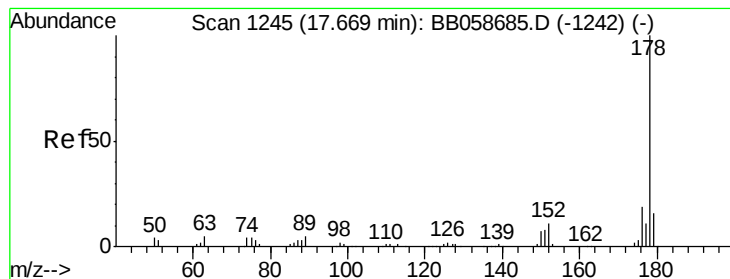


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 9.63 ng/ul

RT: 17.67 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BB058684.D

Acq: 3 Mar 2017 13:13

Instrument :

BNA_B

ClientSampleId :

SSTD01077

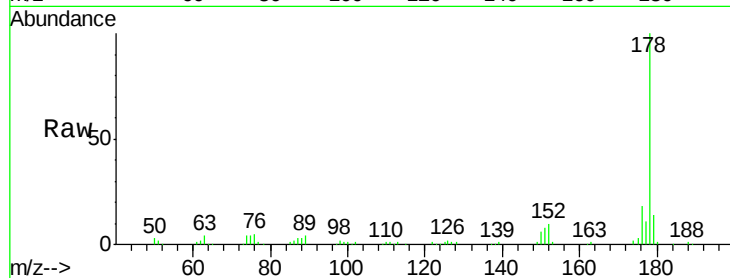
Tgt Ion:178 Resp: 352679

Ion Ratio Lower Upper

178 100

179 14.4 12.5 18.7

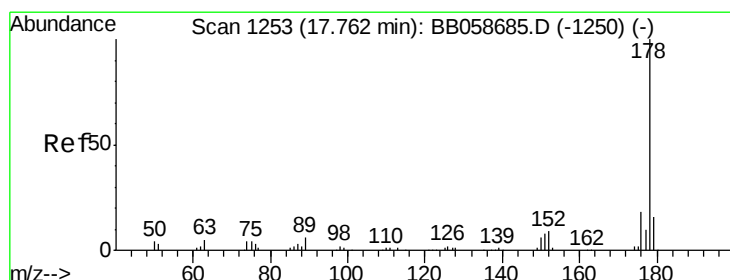
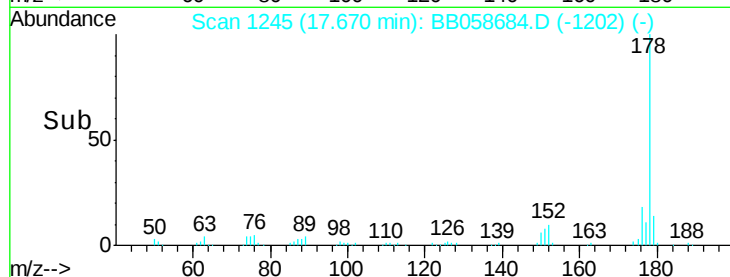
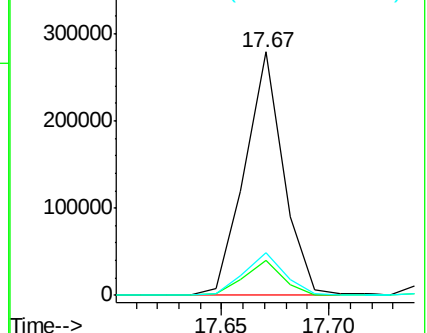
176 17.7 15.0 22.4



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: 9.35 ng/ul

RT: 17.76 min Scan# 1253

Delta R.T. 0.00 min

Lab File: BB058684.D

Acq: 3 Mar 2017 13:13

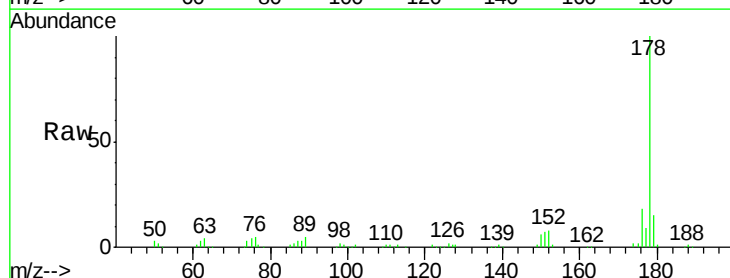
Tgt Ion:178 Resp: 350963

Ion Ratio Lower Upper

178 100

179 14.9 12.3 18.5

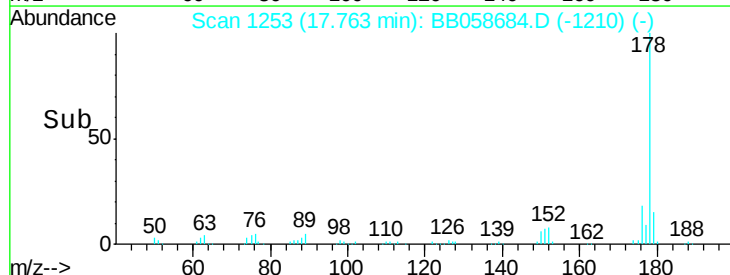
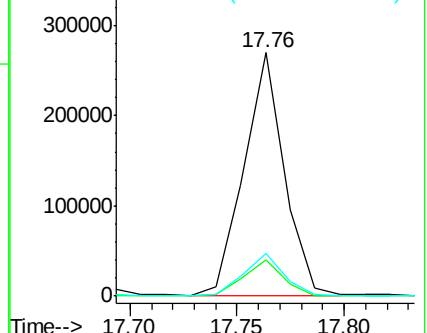
176 17.8 14.2 21.2

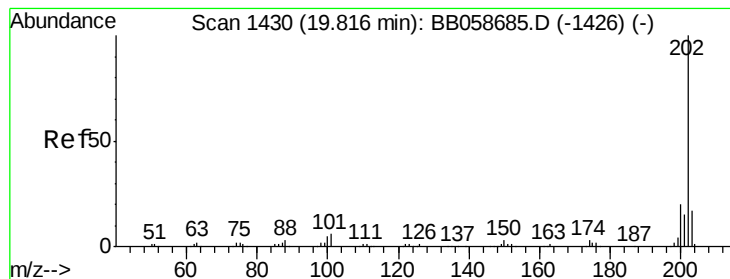


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 9.45 ng/ul

RT: 19.81 min Scan# 1429

Delta R.T. -0.01 min

Lab File: BB058684.D

Acq: 3 Mar 2017 13:13

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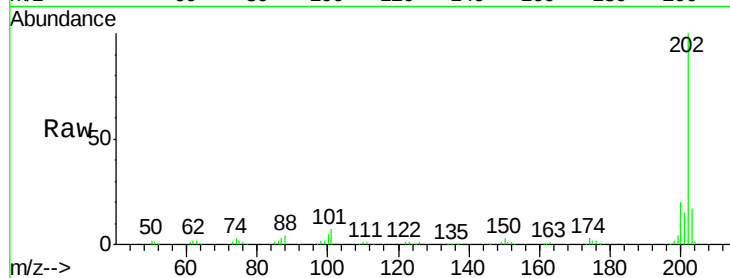
Tgt Ion:202 Resp: 345668

Ion Ratio Lower Upper

202 100

101 6.9 4.6 6.8#

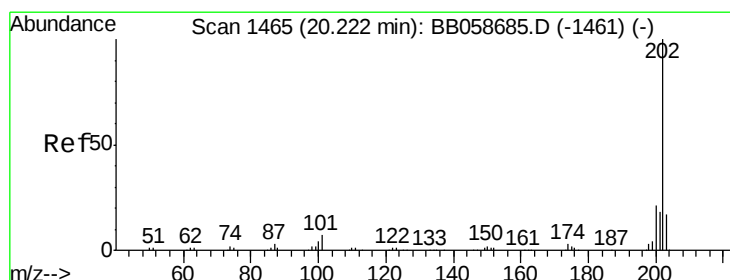
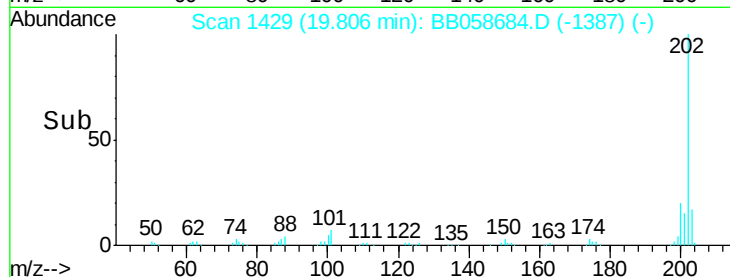
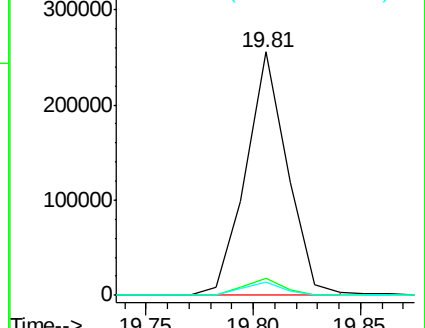
100 5.5 3.7 5.5



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: 9.75 ng/ul

RT: 20.21 min Scan# 1464

Delta R.T. -0.01 min

Lab File: BB058684.D

Acq: 3 Mar 2017 13:13

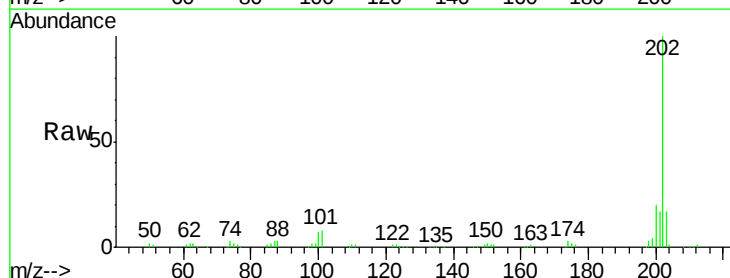
Tgt Ion:202 Resp: 351152

Ion Ratio Lower Upper

202 100

101 8.1 5.8 8.6

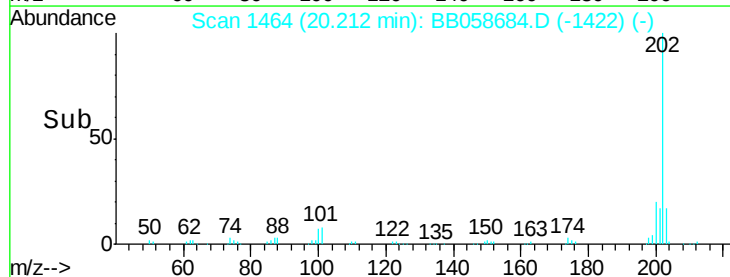
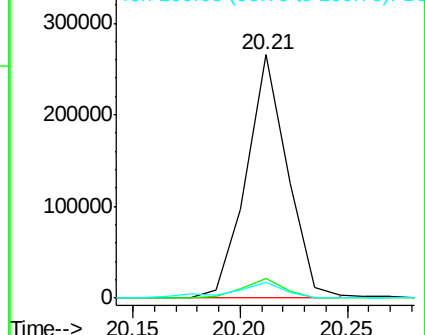
100 6.6 4.6 6.8

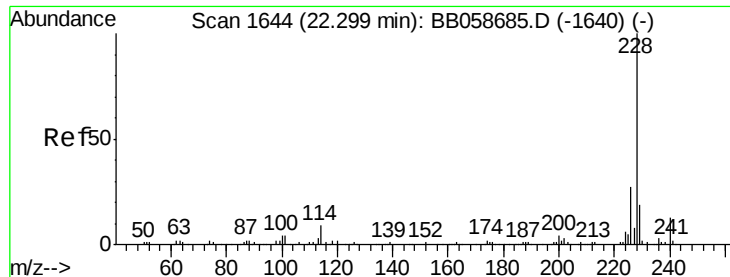


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#21

Benzo(a)anthracene

Concen: 9.82 ng/ul

RT: 22.29 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BB058684.D

Acq: 3 Mar 2017 13:13

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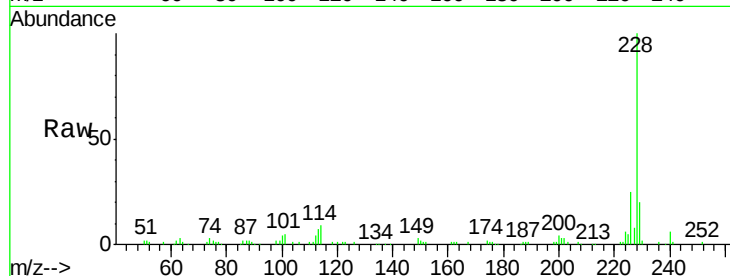
Tgt Ion:228 Resp: 295736

Ion Ratio Lower Upper

228 100

229 19.6 15.6 23.4

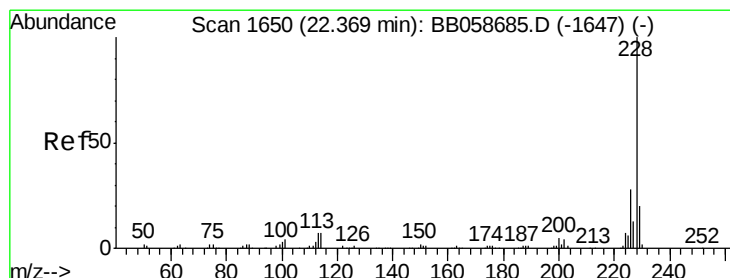
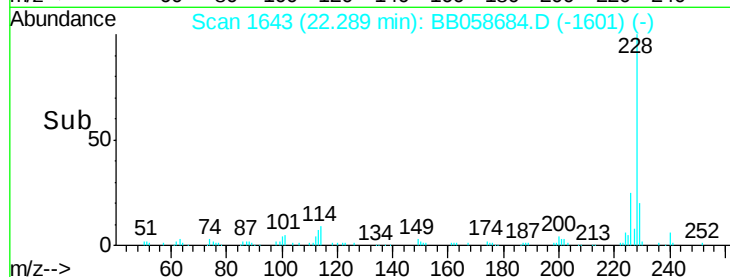
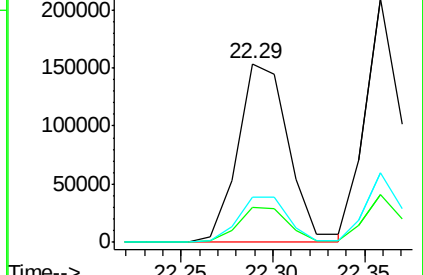
226 25.1 21.3 31.9



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: 9.59 ng/ul

RT: 22.36 min Scan# 1649

Delta R.T. -0.01 min

Lab File: BB058684.D

Acq: 3 Mar 2017 13:13

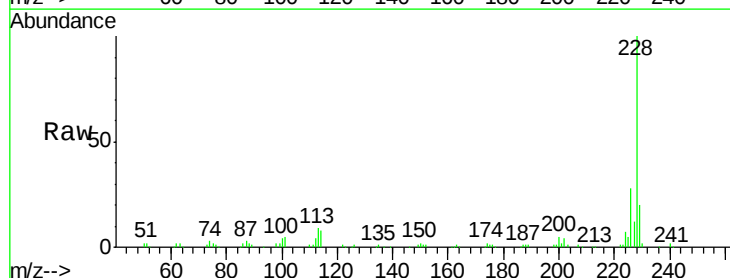
Tgt Ion:228 Resp: 266162

Ion Ratio Lower Upper

228 100

226 28.3 22.5 33.7

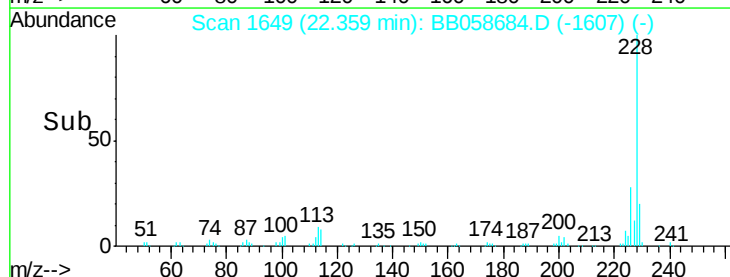
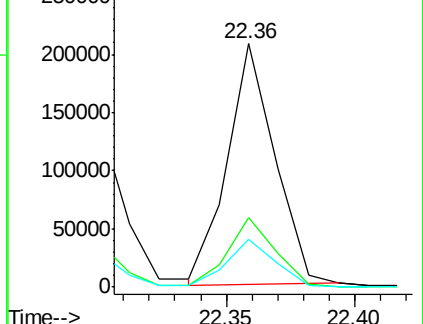
229 19.5 16.2 24.2

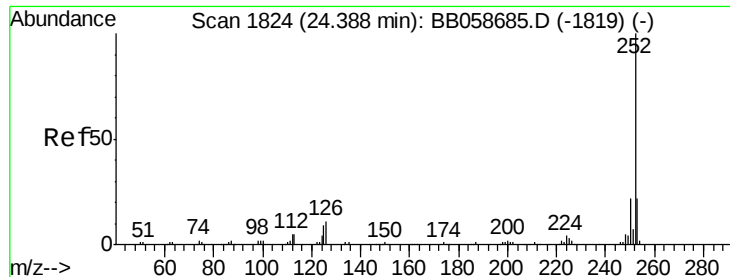


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 8.76 ng/ul

RT: 24.38 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BB058684.D

Acq: 3 Mar 2017 13:13

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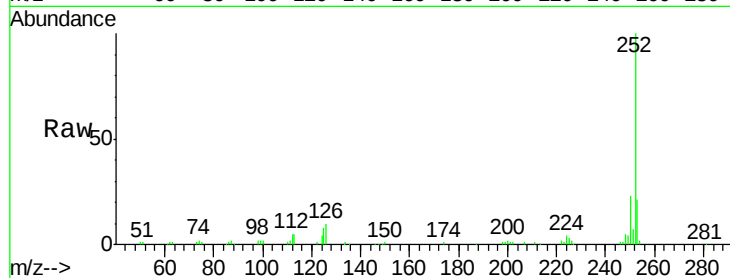
Tgt Ion:252 Resp: 272018

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.0

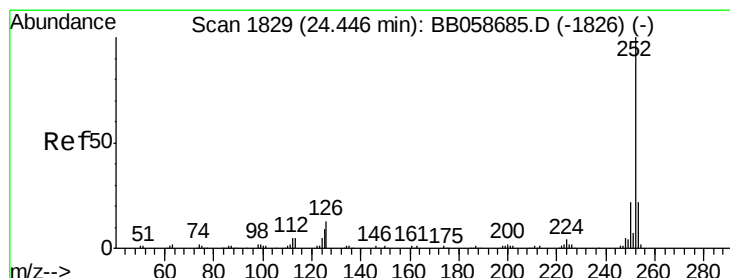
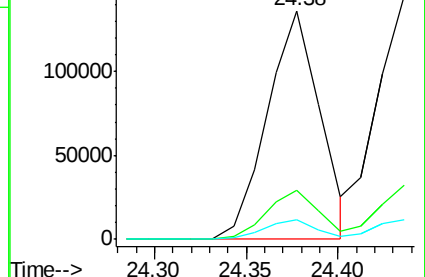
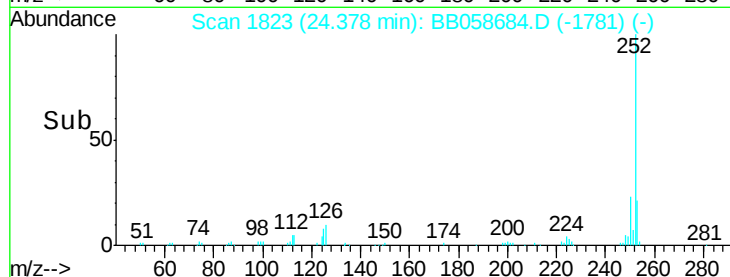
125 8.5 7.0 10.4



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



#25

Benzo(k)fluoranthene

Concen: 9.63 ng/ul

RT: 24.44 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BB058684.D

Acq: 3 Mar 2017 13:13

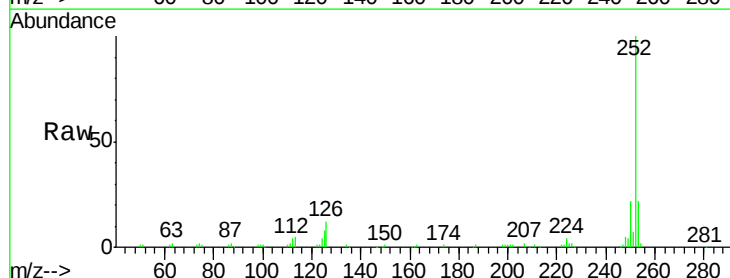
Tgt Ion:252 Resp: 271268

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

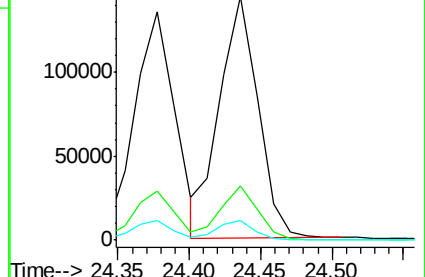
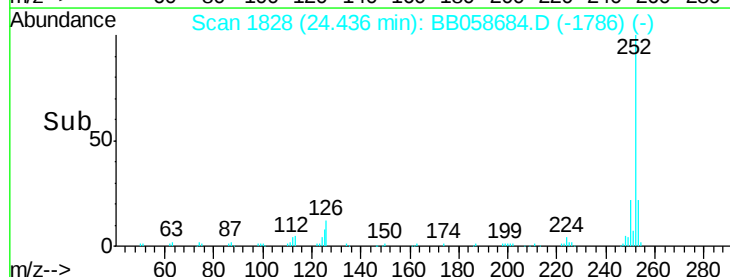
125 8.0 7.0 10.4

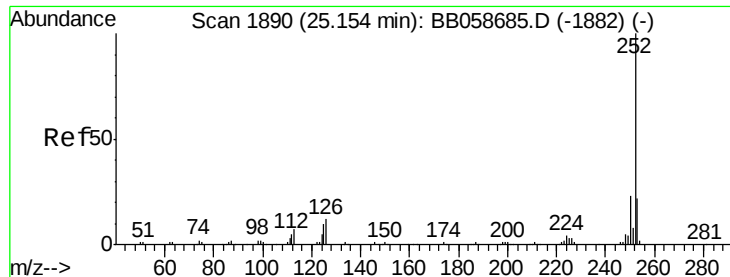


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 9.07 ng/ul

RT: 25.14 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BB058684.D

Acq: 3 Mar 2017 13:13

Instrument :

BNA_B

ClientSampleId :

SSTD01077

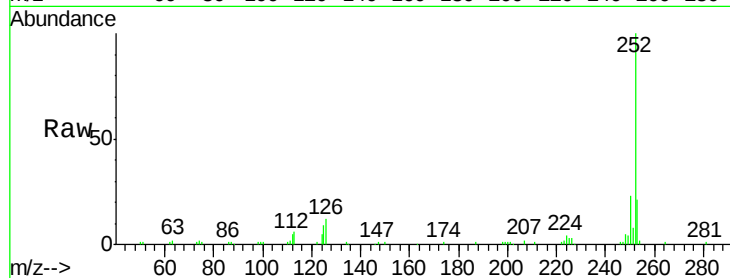
Tgt Ion:252 Resp: 264463

Ion Ratio Lower Upper

252 100

253 20.9 17.4 26.2

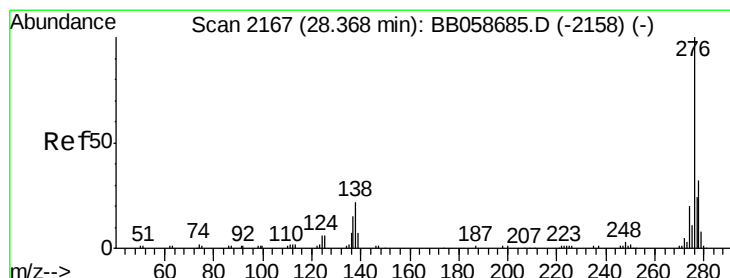
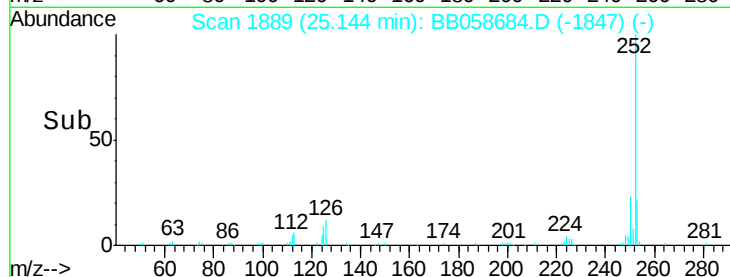
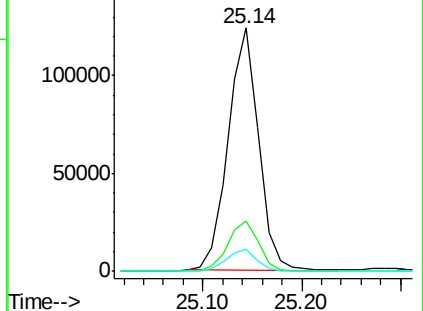
125 9.1 8.1 12.1



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: 9.19 ng/ul

RT: 28.35 min Scan# 2165

Delta R.T. -0.02 min

Lab File: BB058684.D

Acq: 3 Mar 2017 13:13

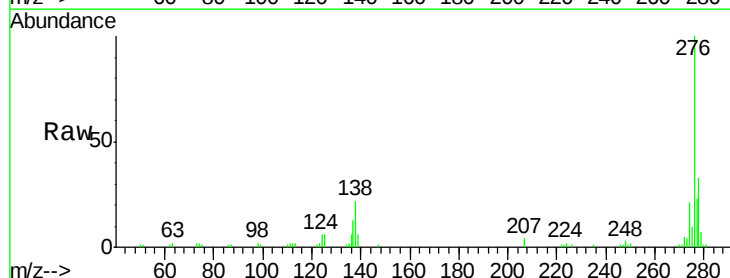
Tgt Ion:276 Resp: 306088

Ion Ratio Lower Upper

276 100

138 21.7 17.6 26.4

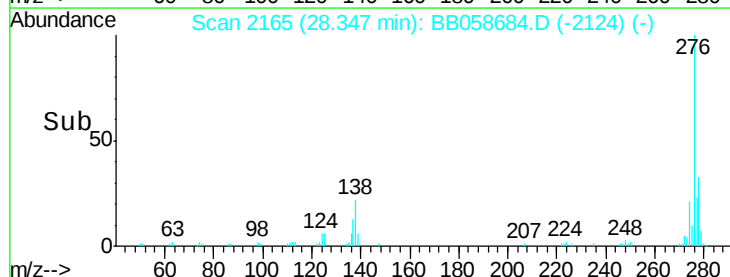
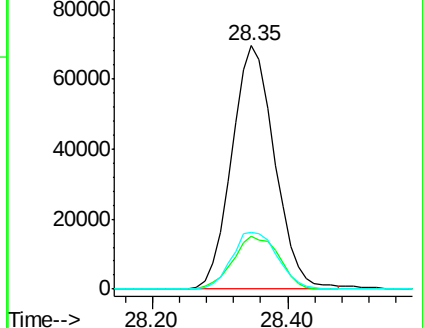
277 23.4 19.5 29.3

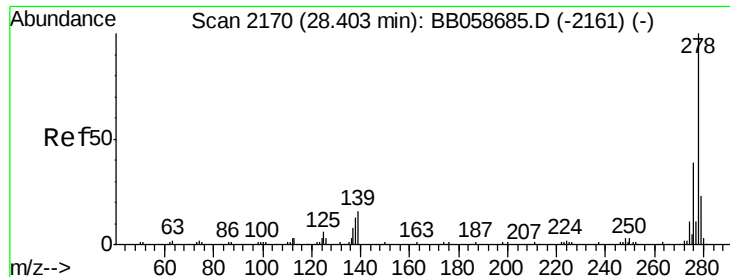


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 9.18 ng/ul

RT: 28.38 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BB058684.D

Acq: 3 Mar 2017 13:13

Instrument :

BNA_B

ClientSampleId :

SSTD01077

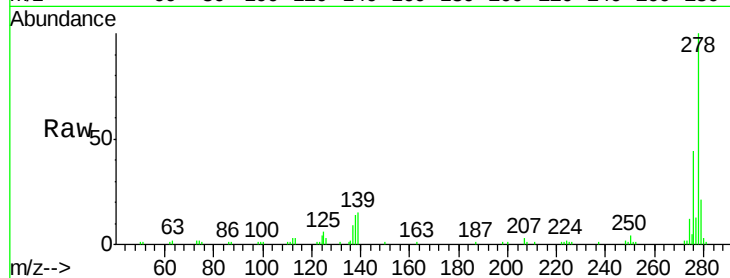
Tgt Ion:278 Resp: 260045

Ion Ratio Lower Upper

278 100

139 14.9 13.2 19.8

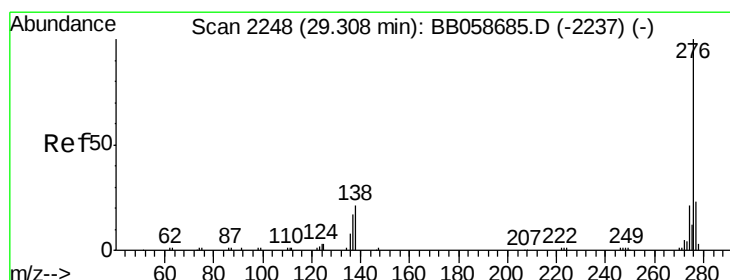
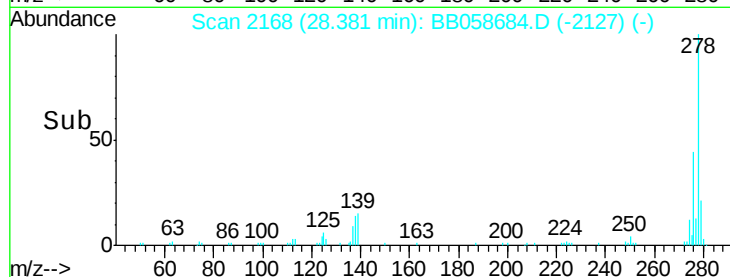
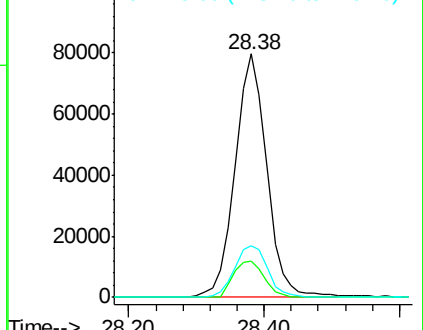
279 21.3 18.5 27.7



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: 9.44 ng/ul

RT: 29.27 min Scan# 2245

Delta R.T. -0.03 min

Lab File: BB058684.D

Acq: 3 Mar 2017 13:13

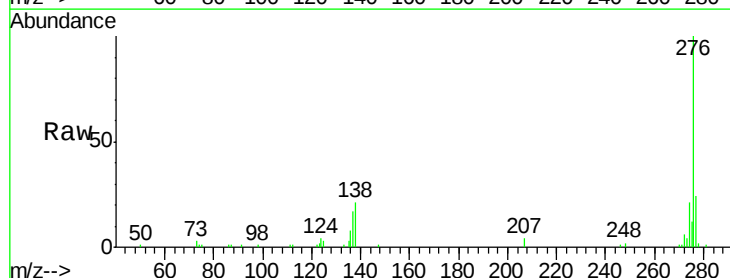
Tgt Ion:276 Resp: 259880

Ion Ratio Lower Upper

276 100

138 21.1 17.0 25.4

277 23.7 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

