

Data Path : Z:\HPCHEM1\BNA_B\DATA\BB030317\
 Data File : BB058689.D
 Acq On : 3 Mar 2017 16:51
 Operator : UM/SJ
 Sample : SSTDICV020
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_B
 ClientSampleId :
 SICV82

Quant Time: Mar 15 01:58:14 2017
 Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM-EPA-BB030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 15 01:57:54 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	177102	20.00	ng/ul	0.00
2) Naphthalene-d8	10.80	136	605833	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.78	164	405182	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.62	188	657329	20.00	ng/ul	0.00
18) Chrysene-d12	22.32	240	549630	20.00	ng/ul	0.00
23) Perylene-d12	25.28	264	531954	20.00	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2,4-Dichlorophenol-d3	10.42	165	234624	20.24	ng/uL	0.00
7) Acenaphthylene-d8	14.46	160	691203	19.77	ng/ul	0.00
10) Fluorene-d10	15.81	176	470730	19.62	ng/ul	0.00
15) Anthracene-d10	17.73	188	637256	20.61	ng/ul	0.00
19) Pyrene-d10	20.19	212	575245	21.32	ng/ul	0.00
26) Benzo(a)pyrene-d12	25.09	264	486270	20.72	ng/ul	-0.01

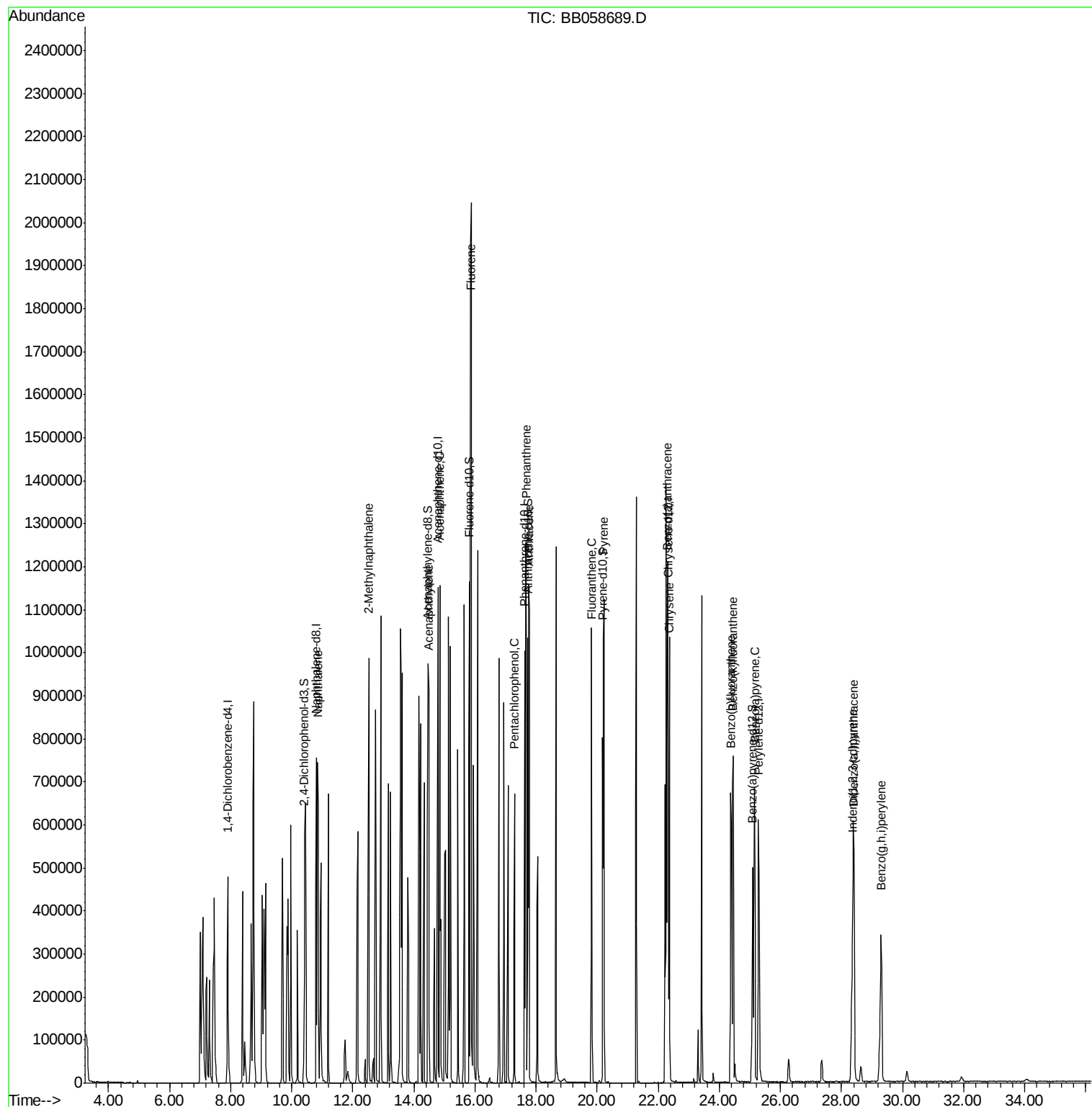
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Naphthalene	10.85	128	582992	20.05	ng/ul	99
5) 2-Methylnaphthalene	12.52	142	439008	20.08	ng/ul	100
8) Acenaphthylene	14.49	152	675128	20.13	ng/ul	99
9) Acenaphthene	14.85	153	443893	19.71	ng/ul	100
11) Fluorene	15.87	166	573540	19.61	ng/ul	100
13) Pentachlorophenol	17.29	266	101843	19.05	ng/uL	99
14) Phenanthrene	17.67	178	768271	20.64	ng/ul	100
16) Anthracene	17.77	178	791071	20.75	ng/ul	99
17) Fluoranthene	19.82	202	754706	20.32	ng/ul	99
20) Pyrene	20.22	202	776653	21.39	ng/ul	99
21) Benzo(a)anthracene	22.30	228	651790	21.46	ng/ul	99
22) Chrysene	22.37	228	594400	21.24	ng/ul	99
24) Benzo(b)fluoranthene	24.38	252	628730	20.23	ng/ul	98
25) Benzo(k)fluoranthene	24.45	252	589631	20.94	ng/ul	100
27) Benzo(a)pyrene	25.16	252	589903	20.21	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.37	276	675806	20.25	ng/ul	98
29) Dibenzo(a,h)anthracene	28.40	278	587783	20.72	ng/ul	99
30) Benzo(g,h,i)perylene	29.30	276	568287	20.63	ng/ul	99

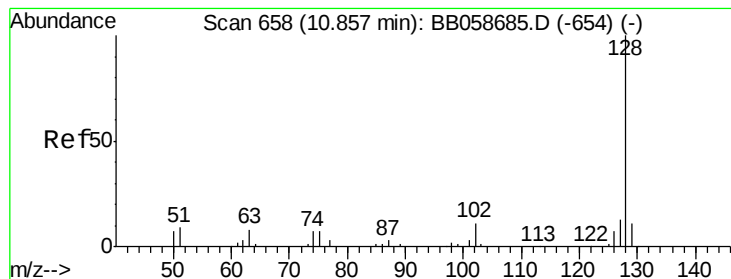
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 20.05 ng/ul

RT: 10.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BB058689.D

Acq: 3 Mar 2017 16:51

Instrument :

BNA_B

ClientSampleId :

SICV82

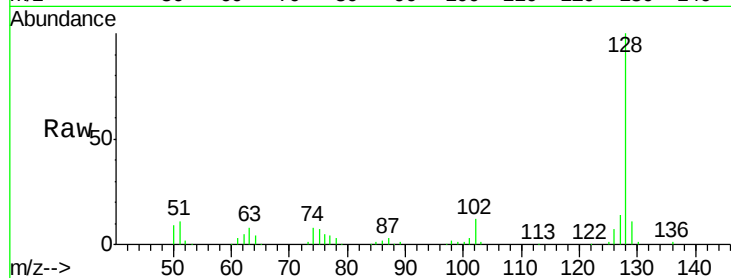
Tgt Ion:128 Resp: 582992

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

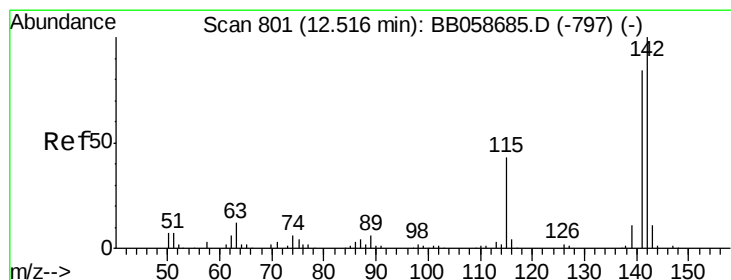
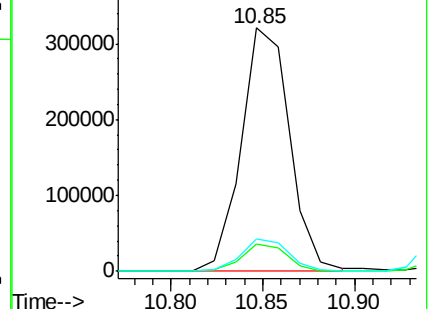
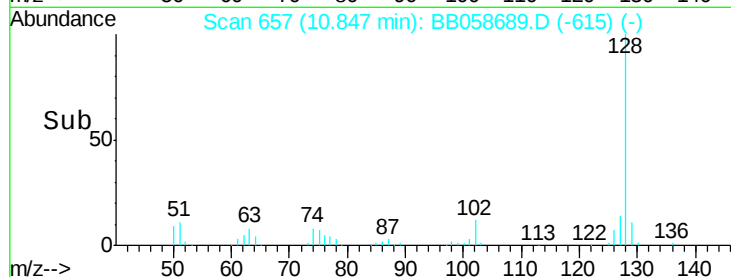
127 13.5 10.6 15.8



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: 20.08 ng/ul

RT: 12.52 min Scan# 801

Delta R.T. 0.00 min

Lab File: BB058689.D

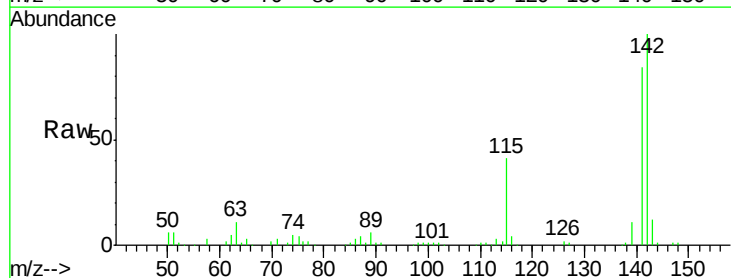
Acq: 3 Mar 2017 16:51

Tgt Ion:142 Resp: 439008

Ion Ratio Lower Upper

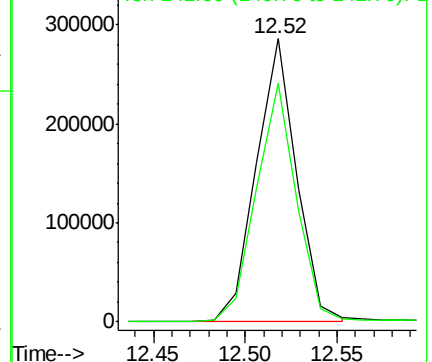
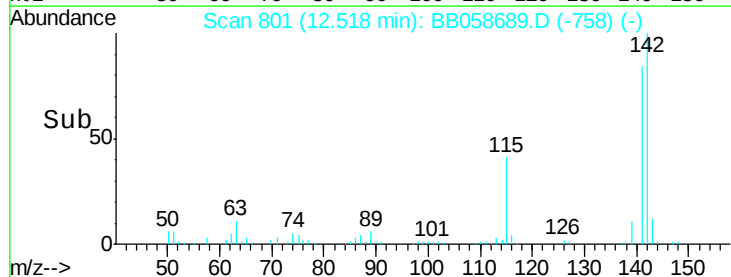
142 100

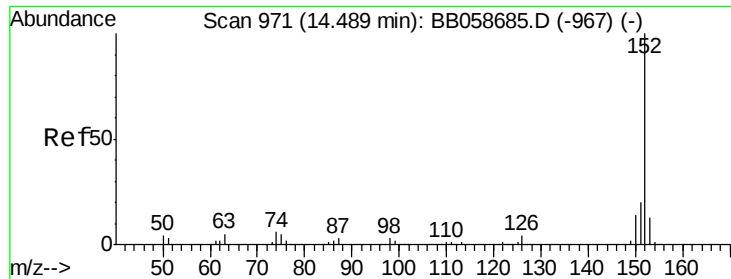
141 84.5 67.5 101.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 20.13 ng/ul

RT: 14.49 min Scan# 971

Delta R.T. 0.00 min

Lab File: BB058689.D

Acq: 3 Mar 2017 16:51

Instrument :

BNA_B

ClientSampled :

SICV82

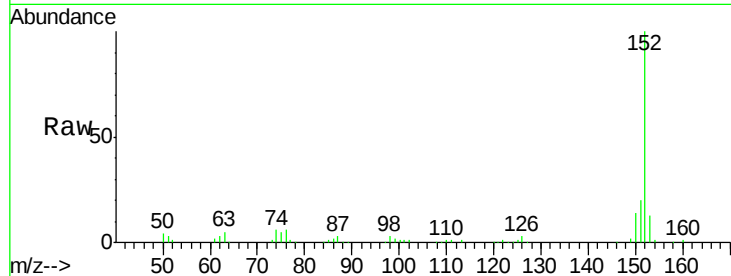
Tgt Ion:152 Resp: 675128

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

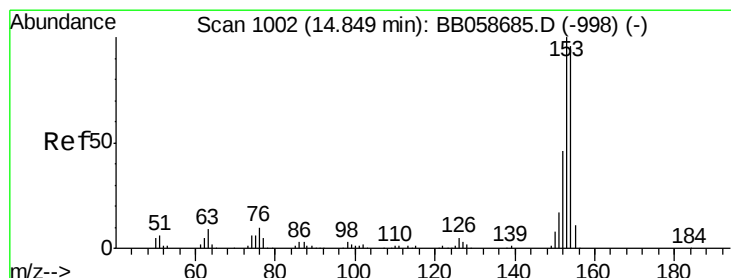
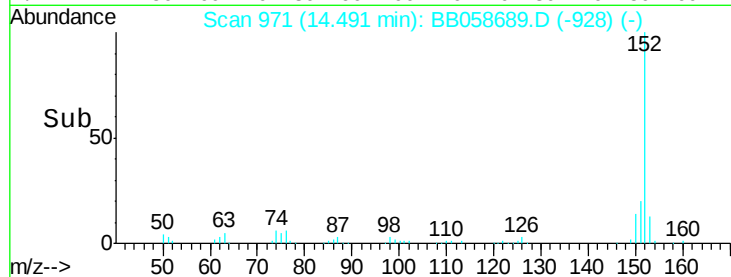
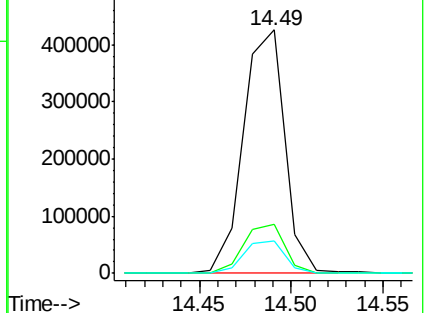
153 13.2 10.4 15.6



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: 19.71 ng/ul

RT: 14.85 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BB058689.D

Acq: 3 Mar 2017 16:51

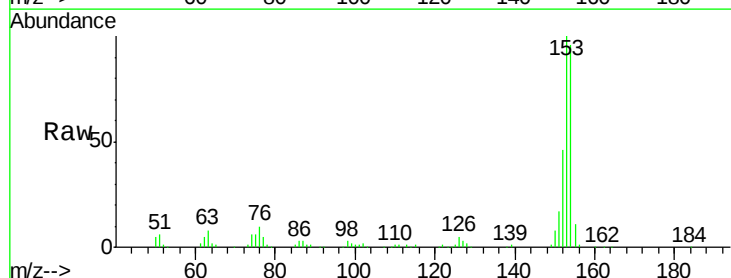
Tgt Ion:153 Resp: 443893

Ion Ratio Lower Upper

153 100

152 46.3 37.0 55.4

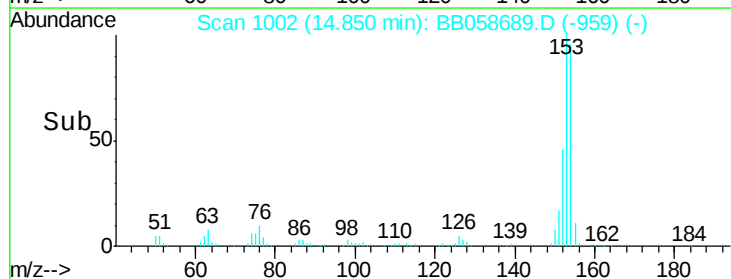
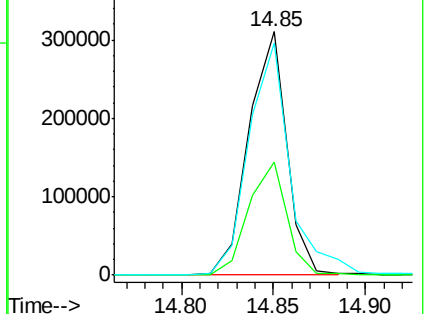
154 95.5 76.5 114.7

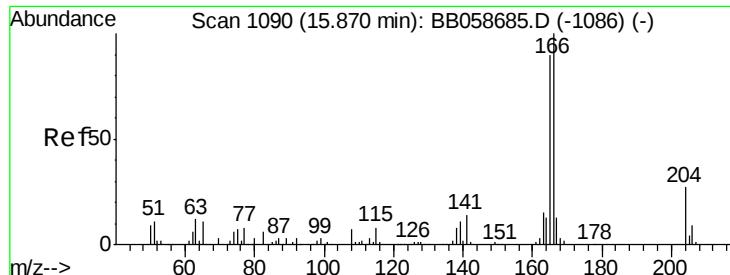


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 19.61 ng/uL

RT: 15.87 min Scan# 1090

Delta R.T. 0.00 min

Lab File: BB058689.D

Acq: 3 Mar 2017 16:51

Instrument :

BNA_B

ClientSampled :

SICV82

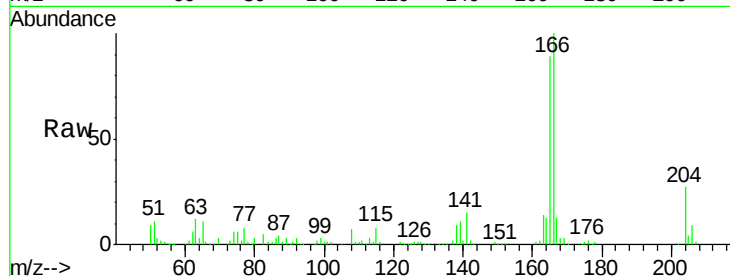
Tgt Ion:166 Resp: 573540

Ion Ratio Lower Upper

166 100

165 89.4 71.6 107.4

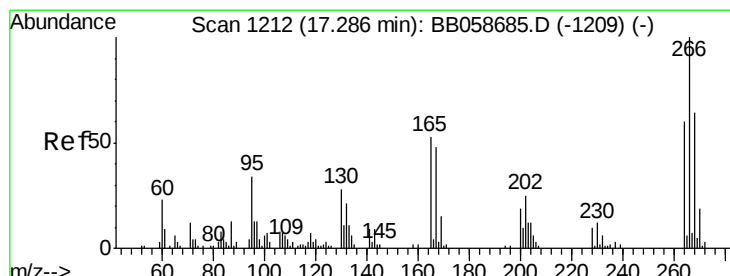
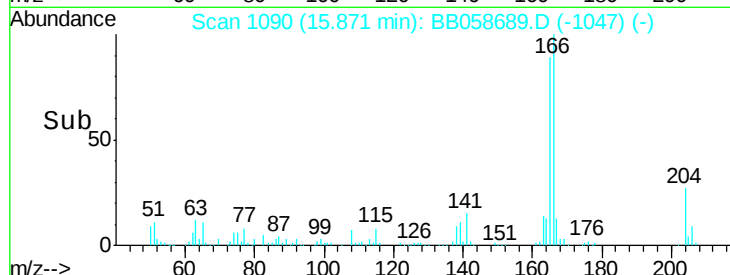
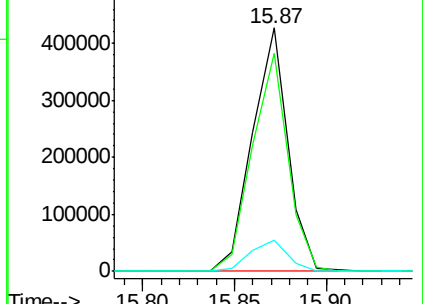
167 12.9 10.3 15.5



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: 19.05 ng/uL

RT: 17.29 min Scan# 1212

Delta R.T. 0.00 min

Lab File: BB058689.D

Acq: 3 Mar 2017 16:51

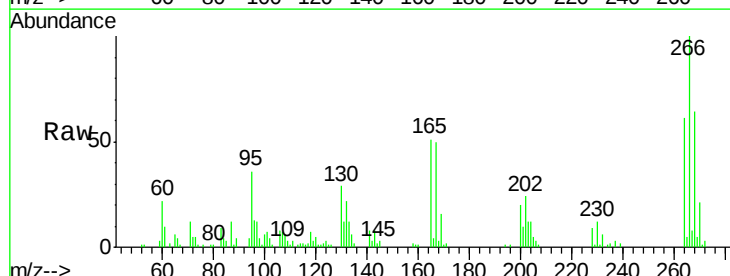
Tgt Ion:266 Resp: 101843

Ion Ratio Lower Upper

266 100

264 61.3 49.4 74.2

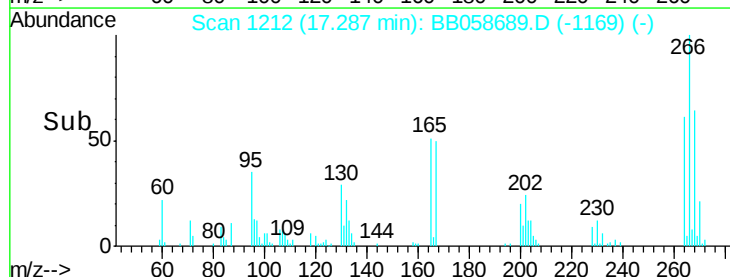
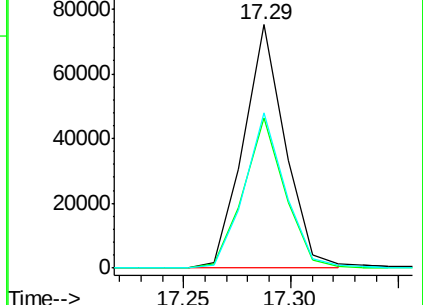
268 62.6 51.1 76.7

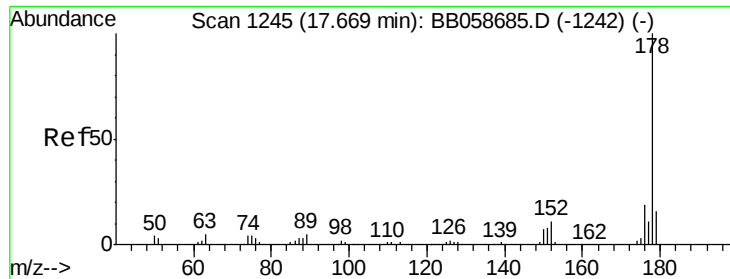


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

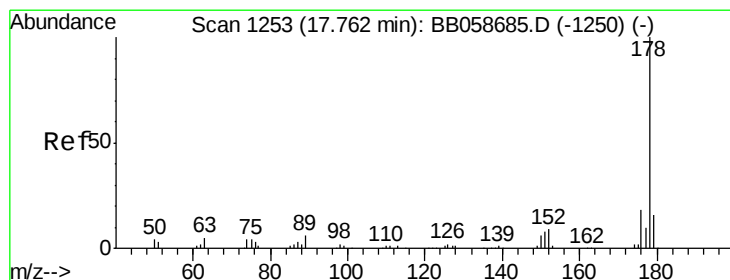
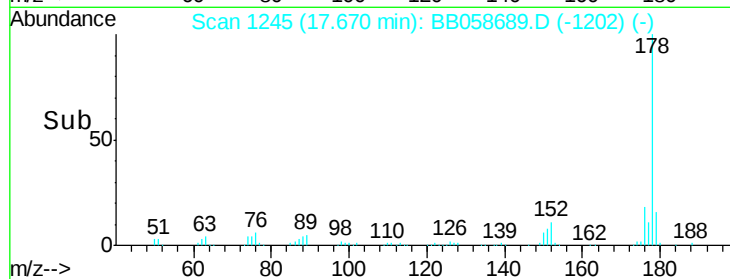
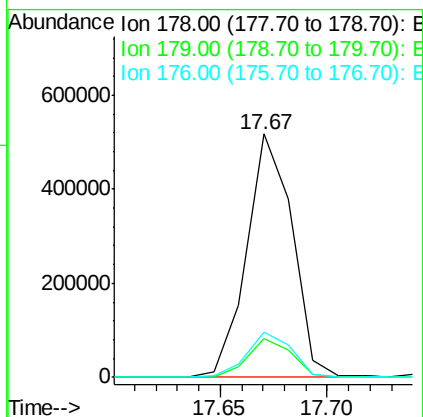
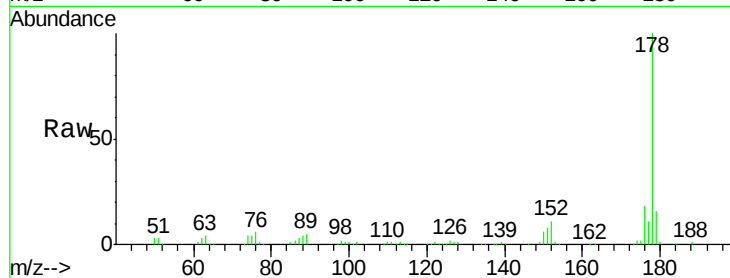




#14
Phenanthrene
Concen: 20.64 ng/u1
RT: 17.67 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BB058689.D
Acq: 3 Mar 2017 16:51

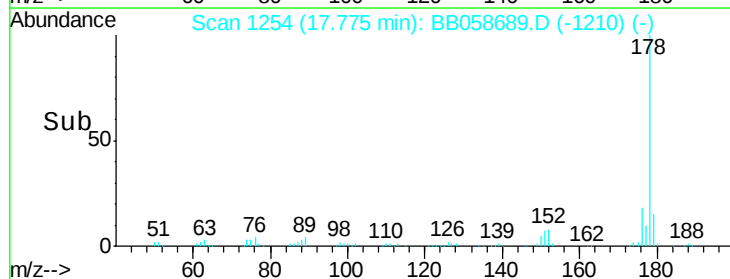
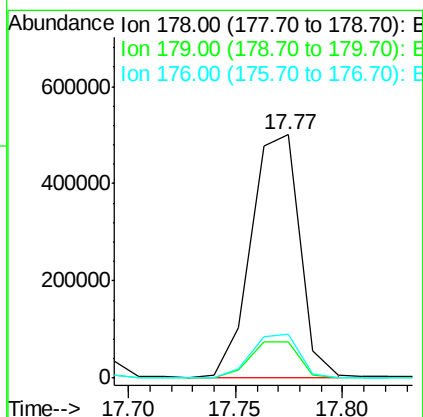
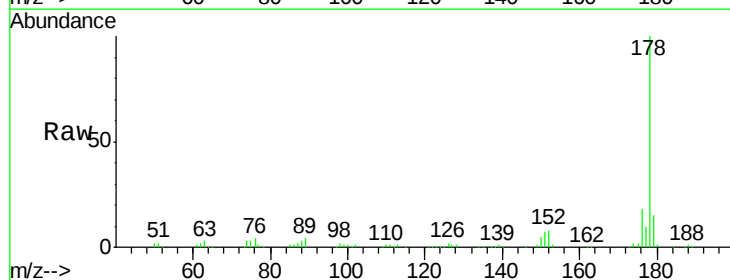
Instrument :
BNA_B
ClientSampleId :
SICV82

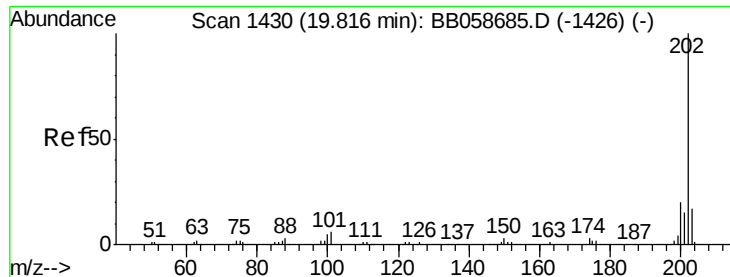
Tgt Ion:178 Resp: 768271
Ion Ratio Lower Upper
178 100
179 15.8 12.5 18.7
176 18.5 15.0 22.4



#16
Anthracene
Concen: 20.75 ng/u1
RT: 17.77 min Scan# 1254
Delta R.T. 0.01 min
Lab File: BB058689.D
Acq: 3 Mar 2017 16:51

Tgt Ion:178 Resp: 791071
Ion Ratio Lower Upper
178 100
179 14.9 12.3 18.5
176 18.1 14.2 21.2

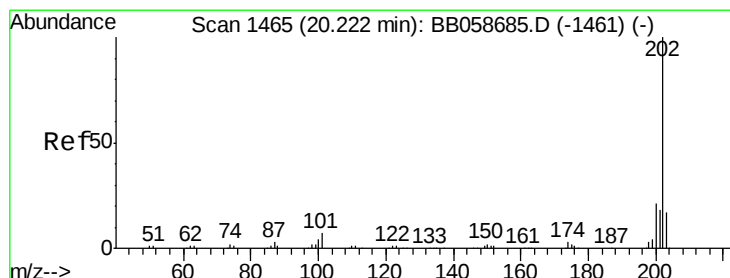
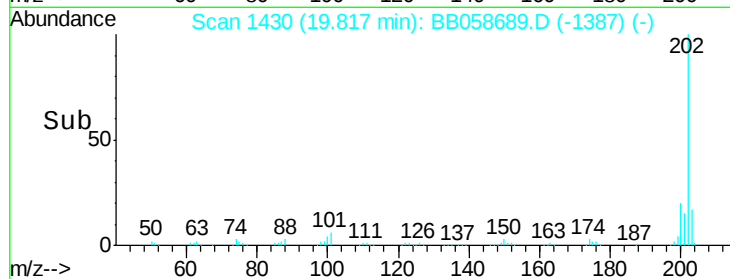
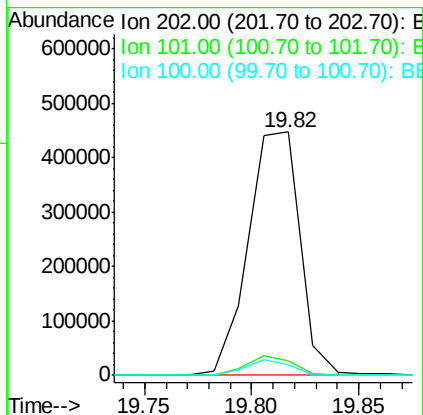
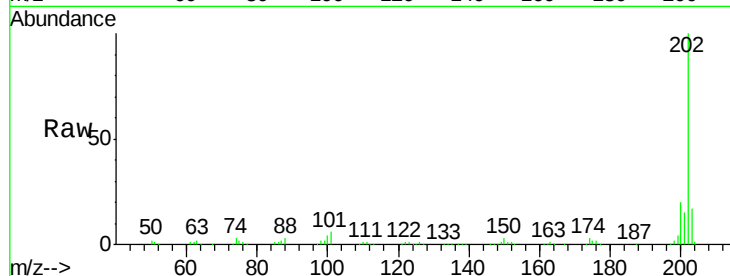




#17
Fluoranthene
 Concen: 20.32 ng/ul
 RT: 19.82 min Scan# 1430
 Delta R.T. 0.00 min
 Lab File: BB058689.D
 Acq: 3 Mar 2017 16:51

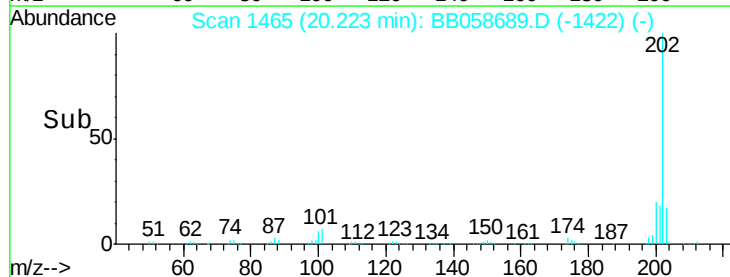
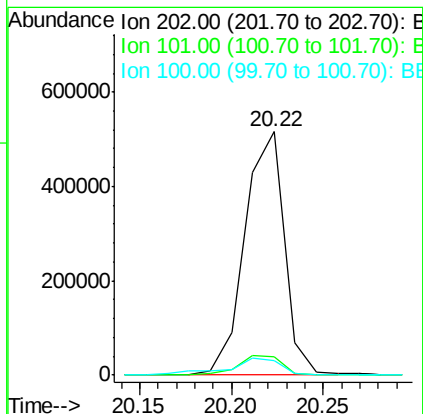
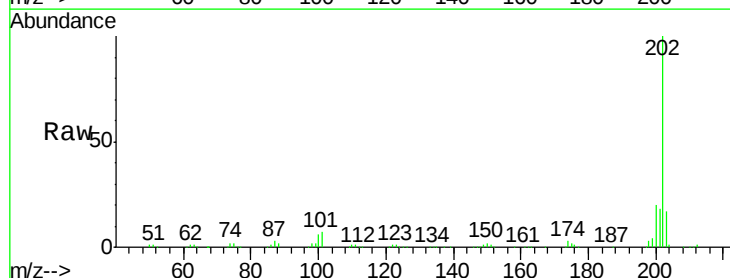
Instrument :
 BNA_B
 ClientSampleId :
 SICV82

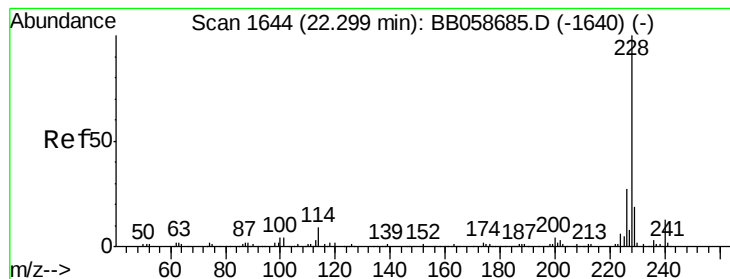
Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.9	4.6	6.8
100	4.4	3.7	5.5



#20
Pyrene
 Concen: 21.39 ng/ul
 RT: 20.22 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BB058689.D
 Acq: 3 Mar 2017 16:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.3	5.8	8.6
100	6.1	4.6	6.8

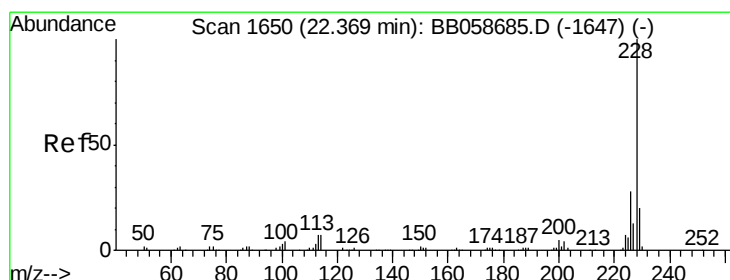
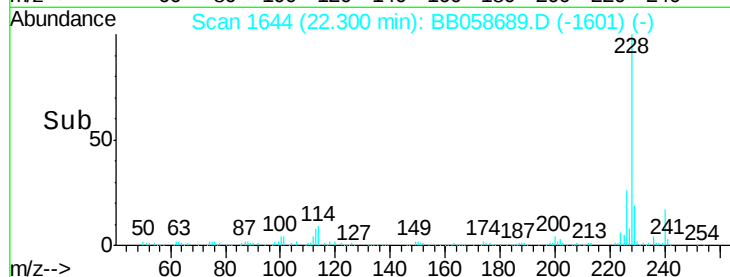
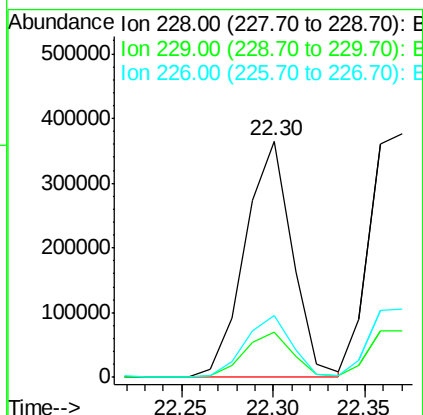
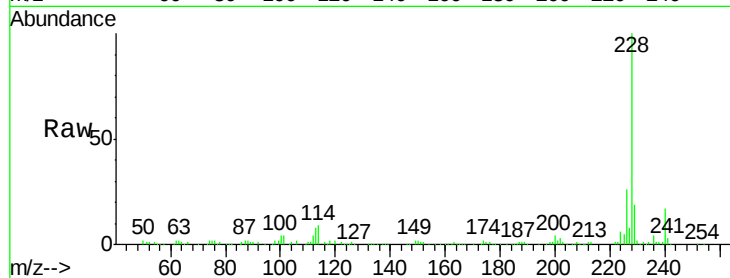




#21
Benzo(a)anthracene
Concen: 21.46 ng/ul
RT: 22.30 min Scan# 1644
Delta R.T. 0.00 min
Lab File: BB058689.D
Acq: 3 Mar 2017 16:51

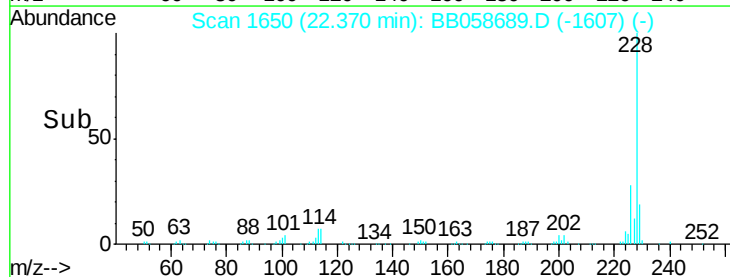
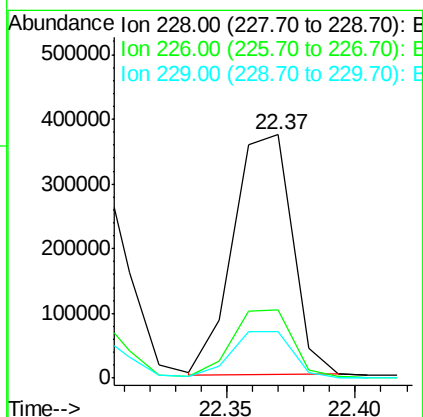
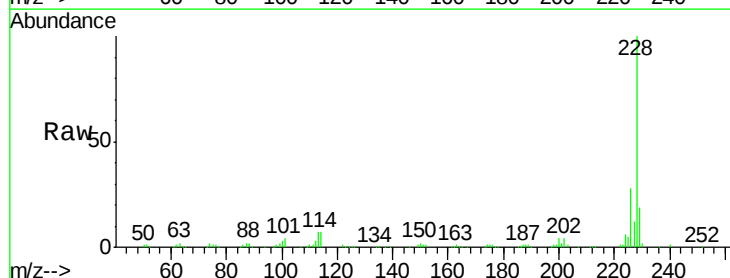
Instrument :
BNA_B
ClientSampleId :
SICV82

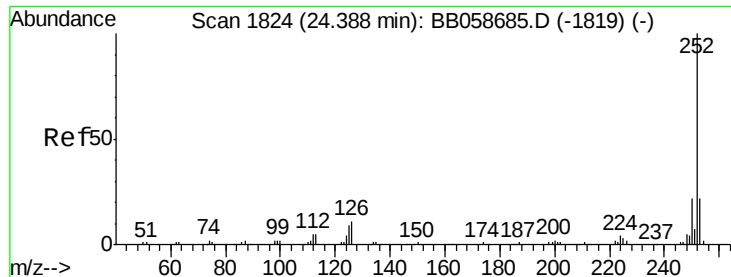
Tgt Ion:228 Resp: 651790
Ion Ratio Lower Upper
228 100
229 19.0 15.6 23.4
226 26.5 21.3 31.9



#22
Chrysene
Concen: 21.24 ng/ul
RT: 22.37 min Scan# 1650
Delta R.T. 0.00 min
Lab File: BB058689.D
Acq: 3 Mar 2017 16:51

Tgt Ion:228 Resp: 594400
Ion Ratio Lower Upper
228 100
226 27.9 22.5 33.7
229 18.9 16.2 24.2





#24

Benzo(b)fluoranthene

Concen: 20.23 ng/ul

RT: 24.38 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BB058689.D

Acq: 3 Mar 2017 16:51

Instrument :

BNA_B

ClientSampleId :

SICV82

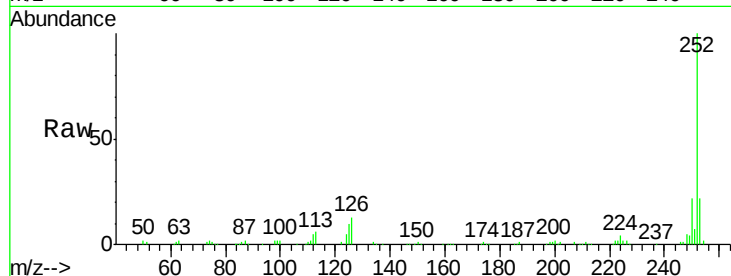
Tgt Ion:252 Resp: 628730

Ion Ratio Lower Upper

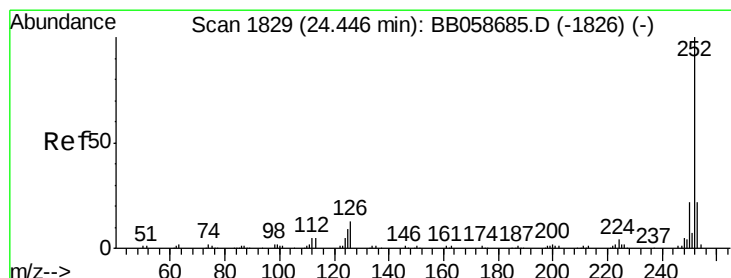
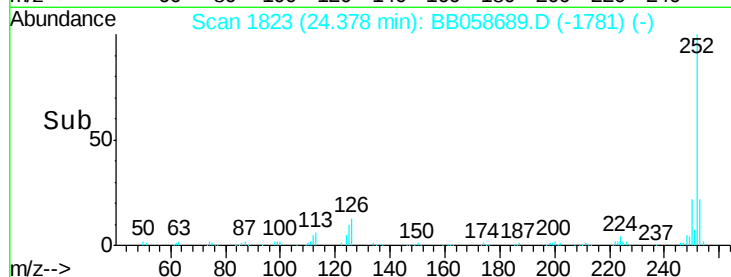
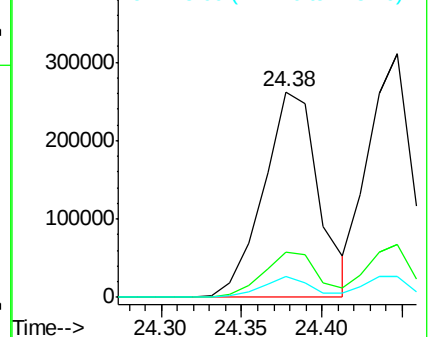
252 100

253 22.2 17.4 26.0

125 10.0 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



#25

Benzo(k)fluoranthene

Concen: 20.94 ng/ul

RT: 24.45 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BB058689.D

Acq: 3 Mar 2017 16:51

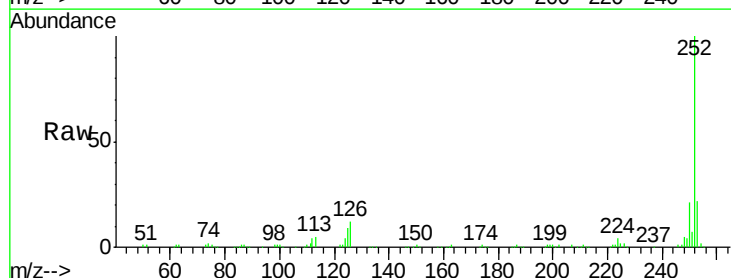
Tgt Ion:252 Resp: 589631

Ion Ratio Lower Upper

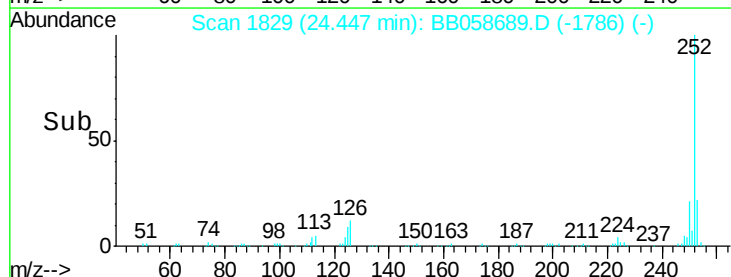
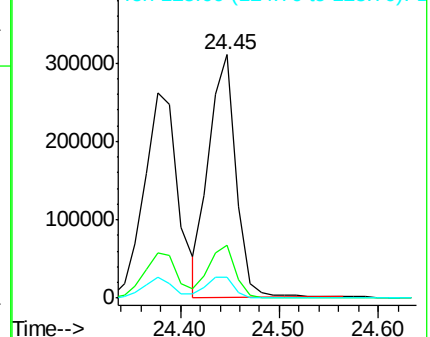
252 100

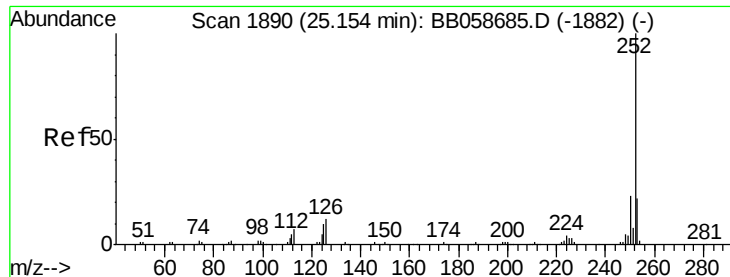
253 21.6 17.4 26.2

125 8.6 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: 20.21 ng/ul

RT: 25.16 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BB058689.D

Acq: 3 Mar 2017 16:51

Instrument :

BNA_B

ClientSampleId :

SICV82

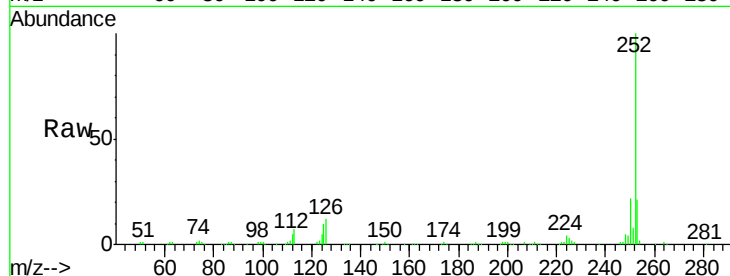
Tgt Ion:252 Resp: 589903

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

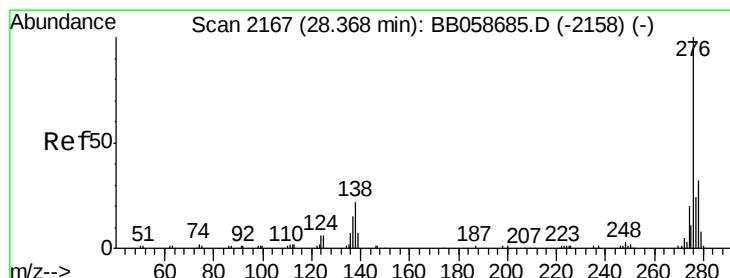
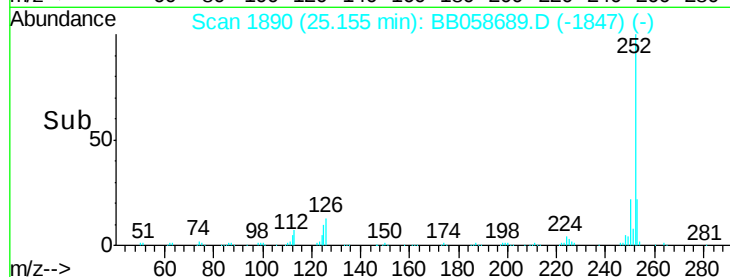
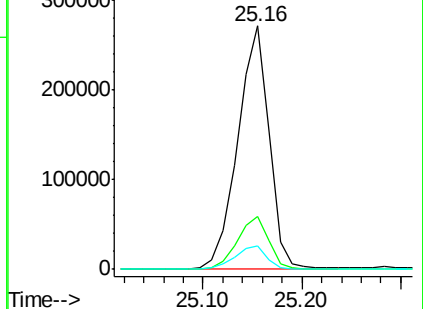
125 9.8 8.1 12.1



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: 20.25 ng/ul

RT: 28.37 min Scan# 2167

Delta R.T. 0.00 min

Lab File: BB058689.D

Acq: 3 Mar 2017 16:51

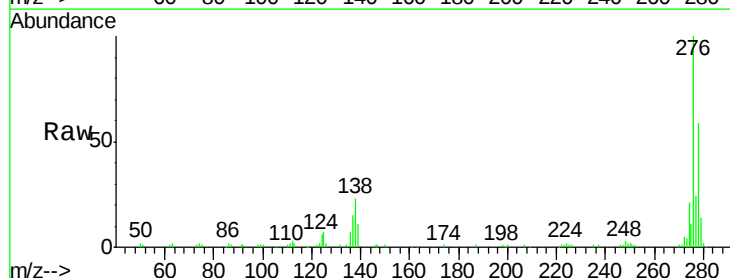
Tgt Ion:276 Resp: 675806

Ion Ratio Lower Upper

276 100

138 23.0 17.6 26.4

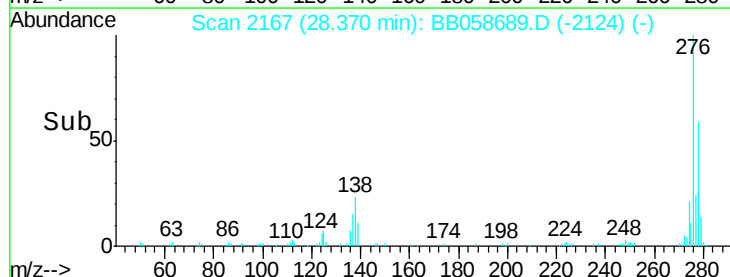
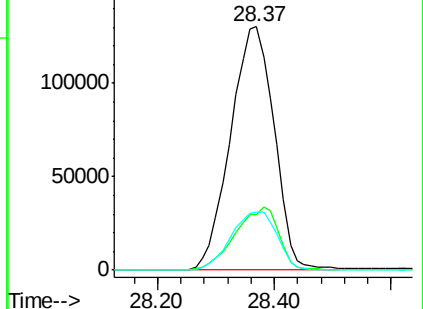
277 23.7 19.5 29.3

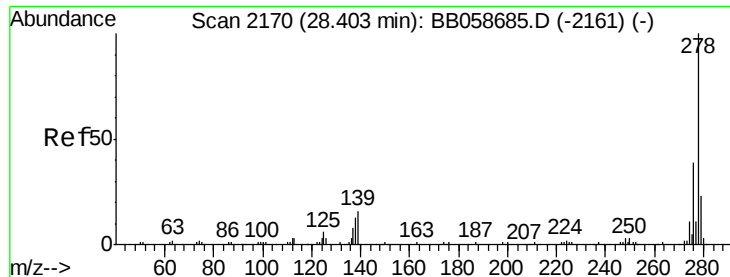


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 20.72 ng/ul

RT: 28.40 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BB058689.D

Acq: 3 Mar 2017 16:51

Instrument :

BNA_B

ClientSampleId :

SICV82

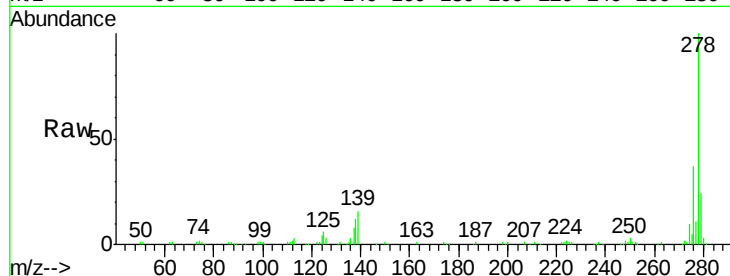
Tgt Ion:278 Resp: 587783

Ion Ratio Lower Upper

278 100

139 16.2 13.2 19.8

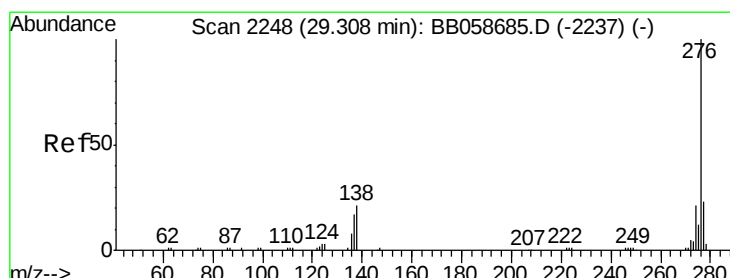
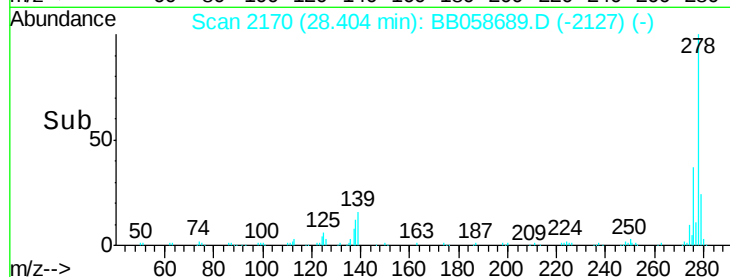
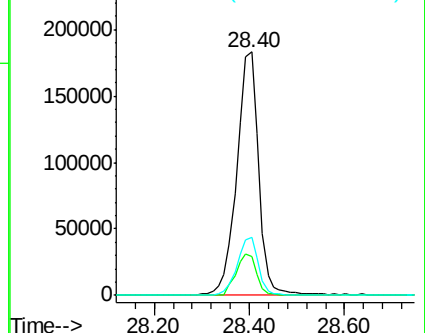
279 23.7 18.5 27.7



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: 20.63 ng/ul

RT: 29.30 min Scan# 2247

Delta R.T. -0.01 min

Lab File: BB058689.D

Acq: 3 Mar 2017 16:51

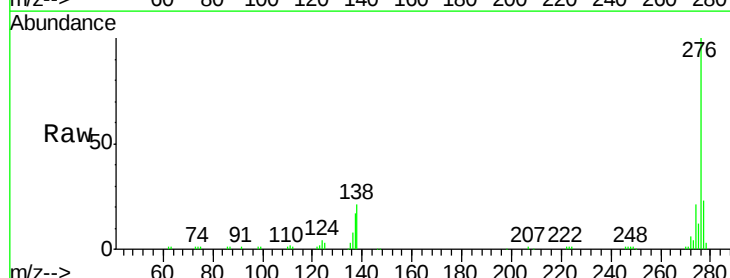
Tgt Ion:276 Resp: 568287

Ion Ratio Lower Upper

276 100

138 21.4 17.0 25.4

277 23.2 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

