

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021815\
 Data File : BM000545.D
 Acq On : 18 Feb 2015 18:56
 Operator : TP/IZ
 Sample : SSTD0.817
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.817

Quant Time: Feb 19 00:53:53 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM021815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 19 00:44:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3078	0.40	ng/ul	0.00
2) Naphthalene-d8	10.47	136	10869	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.34	164	6904	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	16097	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	12038	0.40	ng/ul	0.00
20) Perylene-d12	23.48	264	8288	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.07	152	11645	0.82	ng/ul	0.00
14) Fluoranthene-d10	19.10	212	27079	0.77	ng/ul	-0.01

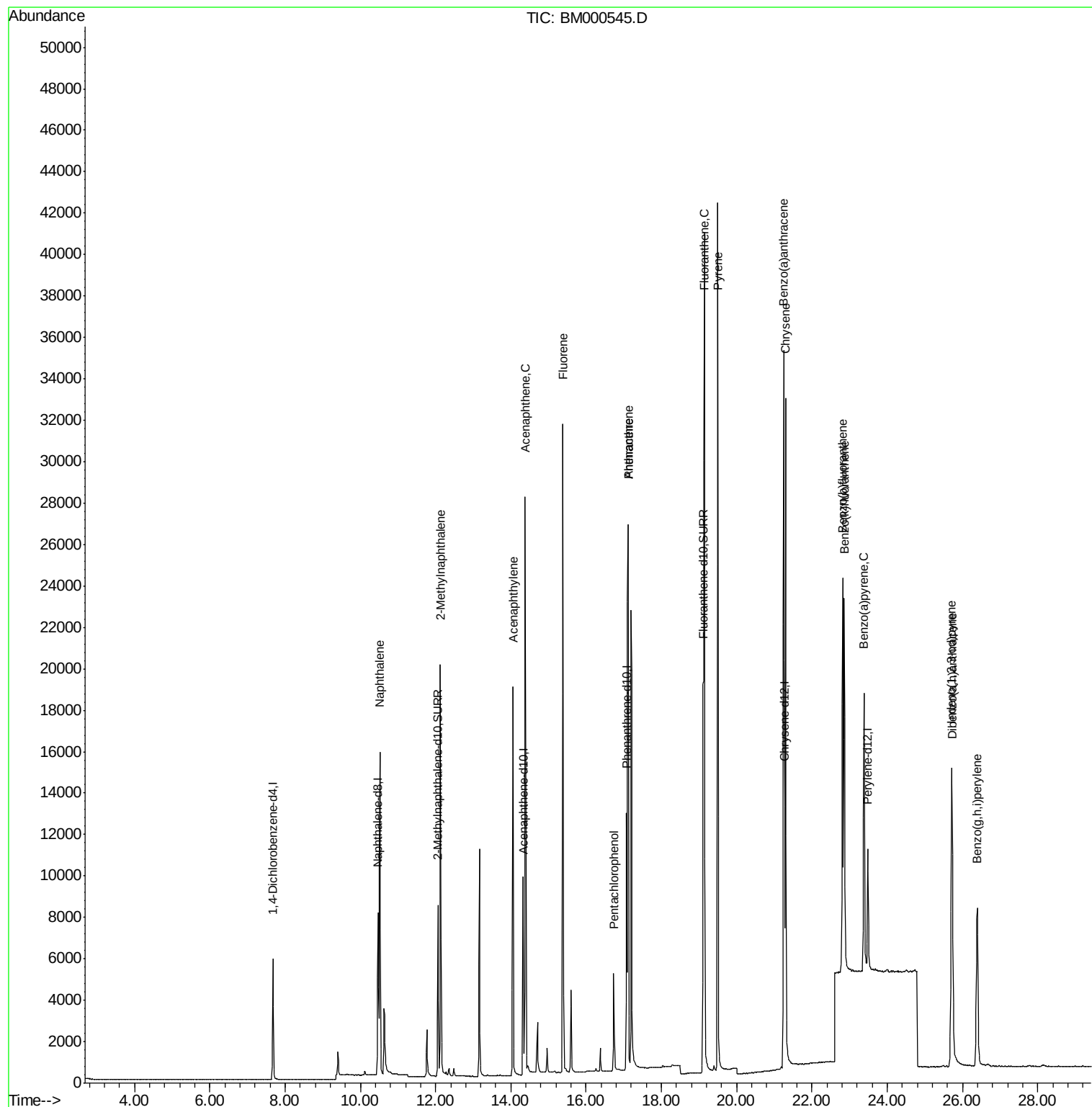
Target Compounds						Qvalue
3) Naphthalene	10.51	128	21559	0.77	ng/ul	99
5) 2-Methylnaphthalene	12.13	142	15542	0.83	ng/ul	99
7) Acenaphthylene	14.05	152	23515	0.88	ng/ul	99
8) Acenaphthene	14.38	153	17864	0.85	ng/ul	100
9) Fluorene	15.39	166	22386	0.90	ng/ul	100
11) Pentachlorophenol	16.73	266	3499	1.61	ng/ul	97
12) Phenanthrene	17.12	178	36495	0.76	ng/ul	98
13) Anthracene	17.12	178	36495	0.84	ng/ul	98
15) Fluoranthene	19.14	202	41911	0.76	ng/ul	99
17) Pyrene	19.50	202	42046	0.85	ng/ul	99
18) Benzo(a)anthracene	21.25	228	29738	0.80	ng/ul	98
19) Chrysene	21.30	228	31960	0.74	ng/ul	99
21) Benzo(b)fluoranthene	22.81	252	24818	0.80	ng/ul	89
22) Benzo(k)fluoranthene	22.86	252	24374	0.76	ng/ul#	87
23) Benzo(a)pyrene	23.38	252	21820	0.76	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.71	276	20119	0.69	ng/ul	99
25) Dibenzo(a,h)anthracene	25.72	278	15906	0.70	ng/ul#	87
26) Benzo(g,h,i)perylene	26.39	276	17187	0.65	ng/ul	95

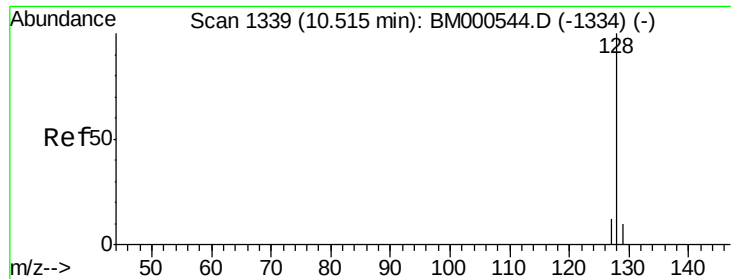
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM021815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 19 00:44:18 2015
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#3

Naphthalene

Concen: 0.77 ng/ul

RT: 10.51 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BM000545.D

Acq: 18 Feb 2015 18:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.817

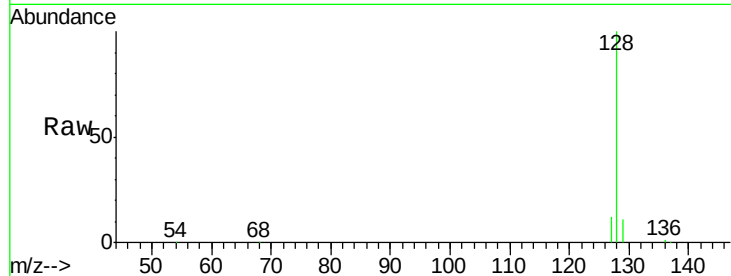
Tgt Ion:128 Resp: 21559

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

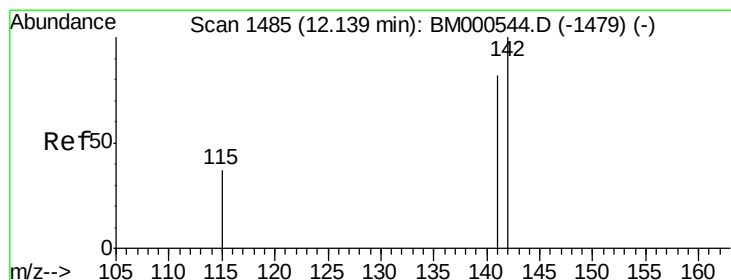
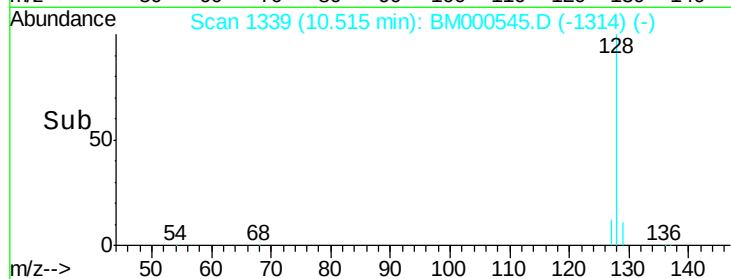
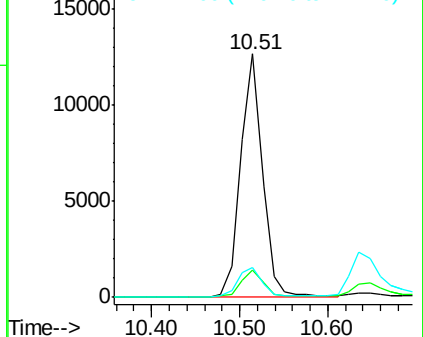
127 12.5 10.6 15.8



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: 0.83 ng/ul

RT: 12.13 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BM000545.D

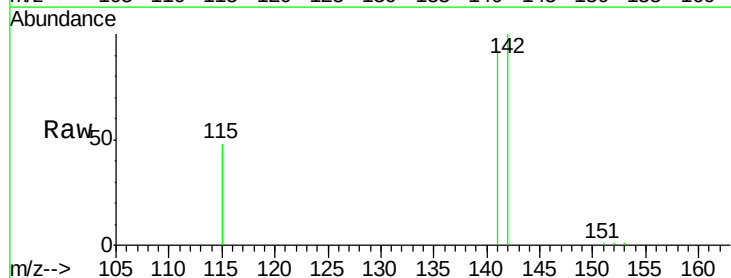
Acq: 18 Feb 2015 18:56

Tgt Ion:142 Resp: 15542

Ion Ratio Lower Upper

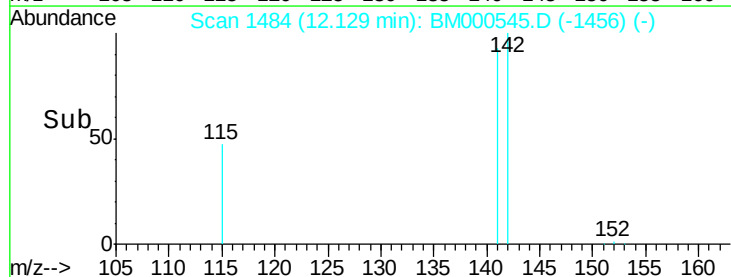
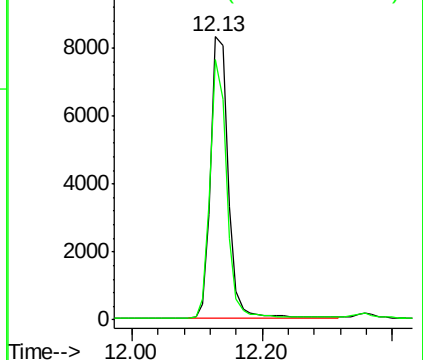
142 100

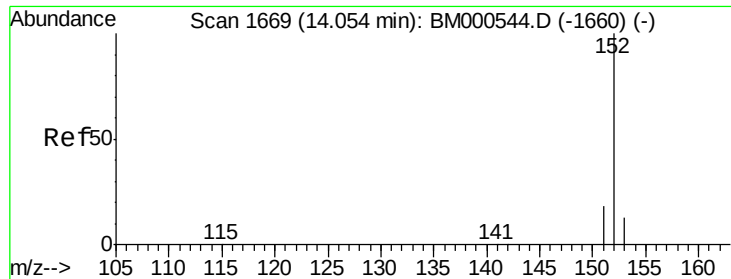
141 87.5 70.4 105.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.88 ng/ul

RT: 14.05 min Scan# 1669

Delta R.T. 0.00 min

Lab File: BM000545.D

Acq: 18 Feb 2015 18:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.817

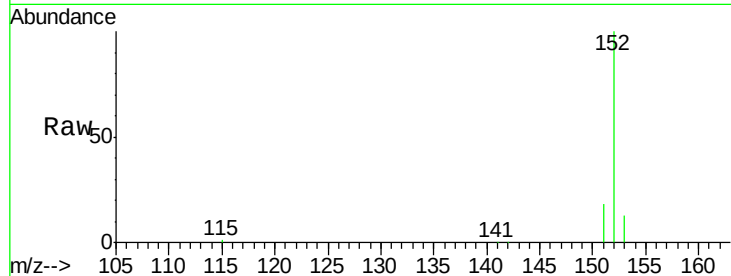
Tgt Ion:152 Resp: 23515

Ion Ratio Lower Upper

152 100

151 18.4 15.0 22.4

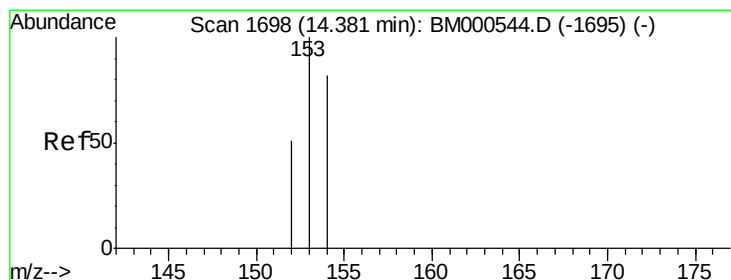
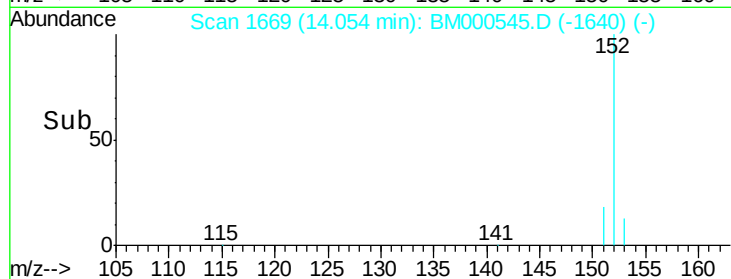
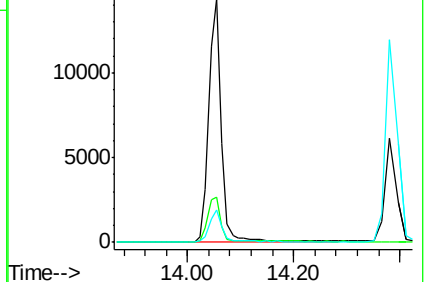
153 13.5 11.2 16.8



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



#8

Acenaphthene

Concen: 0.85 ng/ul

RT: 14.38 min Scan# 1698

Delta R.T. 0.00 min

Lab File: BM000545.D

Acq: 18 Feb 2015 18:56

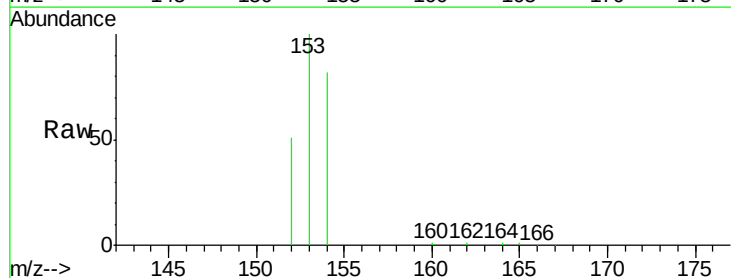
Tgt Ion:153 Resp: 17864

Ion Ratio Lower Upper

153 100

152 51.2 41.2 61.8

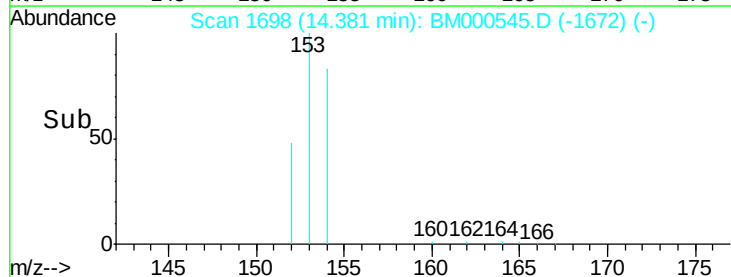
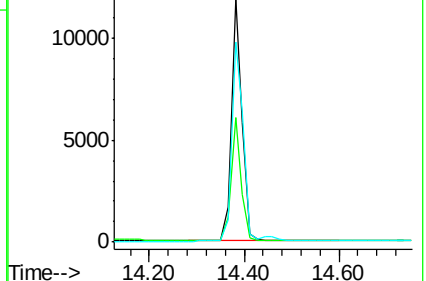
154 82.4 66.0 99.0

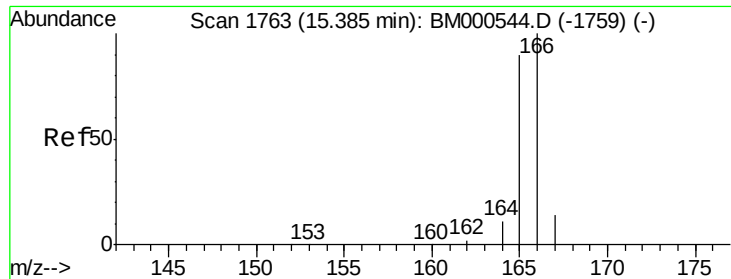


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

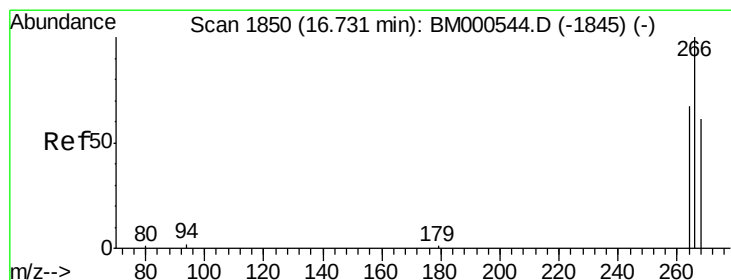
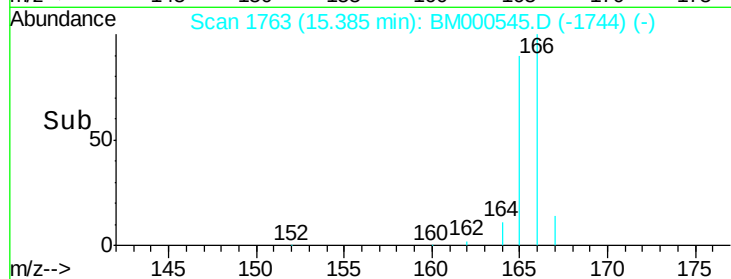
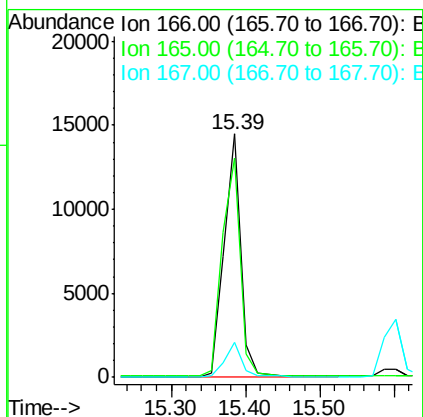
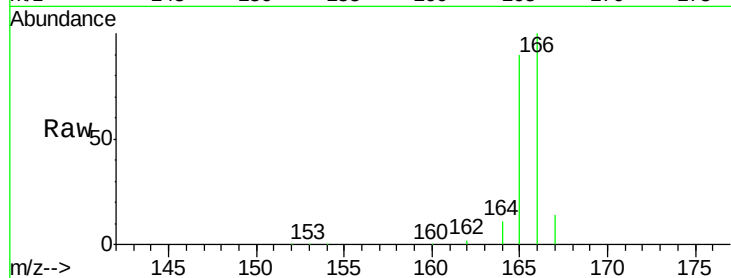




#9
Fluorene
 Concen: 0.90 ng/ul
 RT: 15.39 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: BM000545.D
 Acq: 18 Feb 2015 18:56

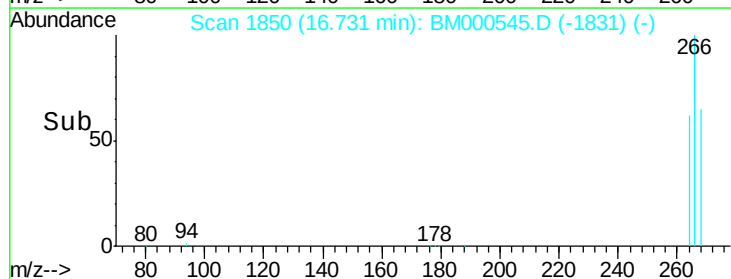
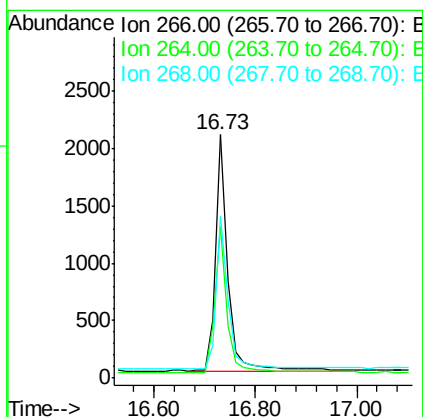
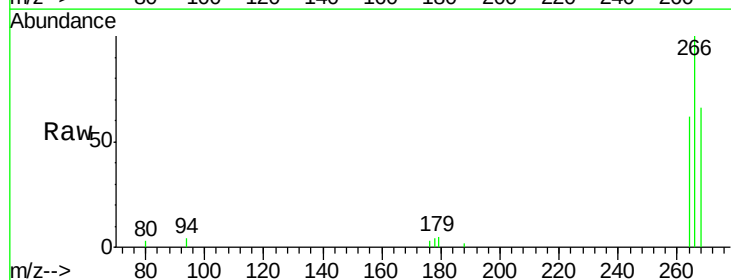
Instrument :
 BNA_M
 ClientSampleId :
 SST0.817

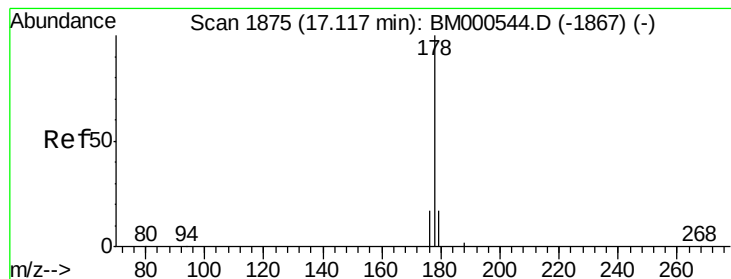
Tgt Ion:166 Resp: 22386
 Ion Ratio Lower Upper
 166 100
 165 90.3 72.3 108.5
 167 14.5 11.9 17.9



#11
Pentachlorophenol
 Concen: 1.61 ng/ul
 RT: 16.73 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BM000545.D
 Acq: 18 Feb 2015 18:56

Tgt Ion:266 Resp: 3499
 Ion Ratio Lower Upper
 266 100
 264 62.5 51.8 77.6
 268 65.8 55.4 83.0





#12

Phenanthrene

Concen: 0.76 ng/ul

RT: 17.12 min Scan# 1875

Delta R.T. 0.00 min

Lab File: BM000545.D

Acq: 18 Feb 2015 18:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.817

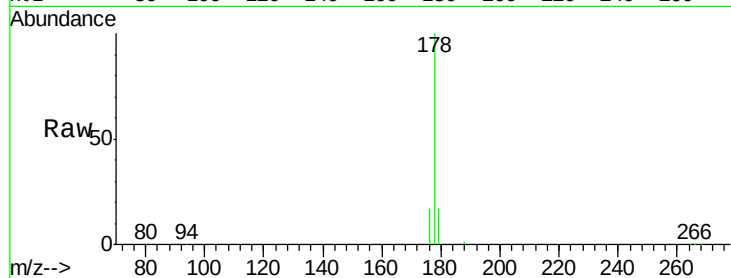
Tgt Ion:178 Resp: 36495

Ion Ratio Lower Upper

178 100

176 16.7 14.1 21.1

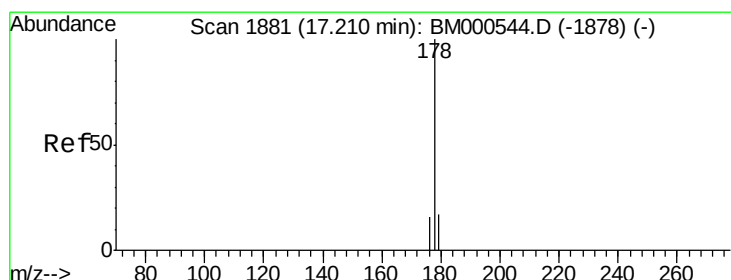
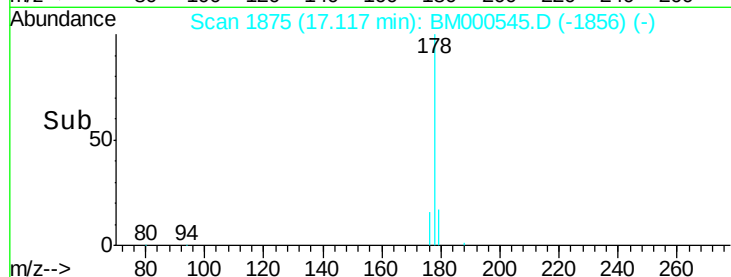
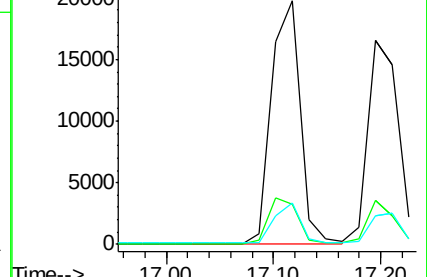
179 17.2 14.4 21.6



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



#13

Anthracene

Concen: 0.84 ng/ul

RT: 17.12 min Scan# 1875

Delta R.T. -0.09 min

Lab File: BM000545.D

Acq: 18 Feb 2015 18:56

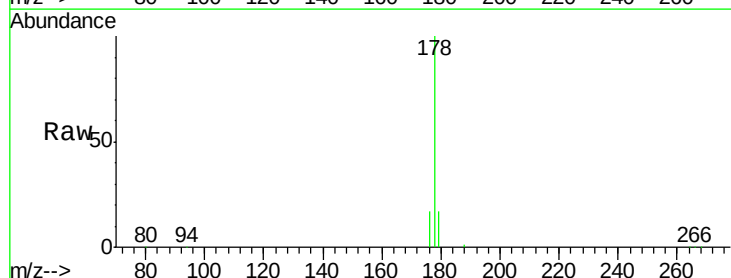
Tgt Ion:178 Resp: 36495

Ion Ratio Lower Upper

178 100

176 16.7 13.6 20.4

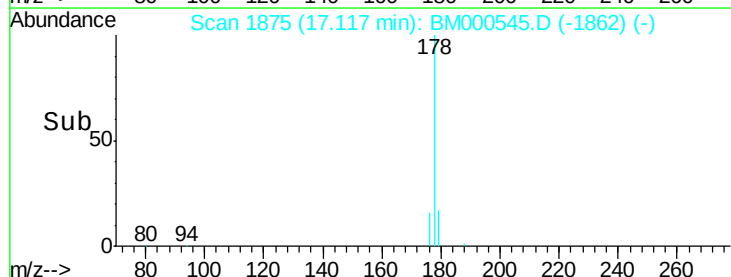
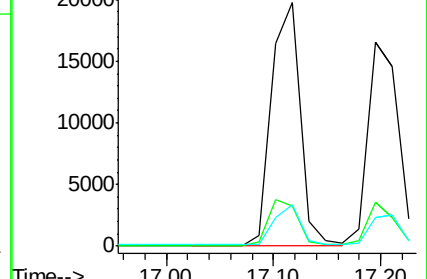
179 17.2 14.9 22.3

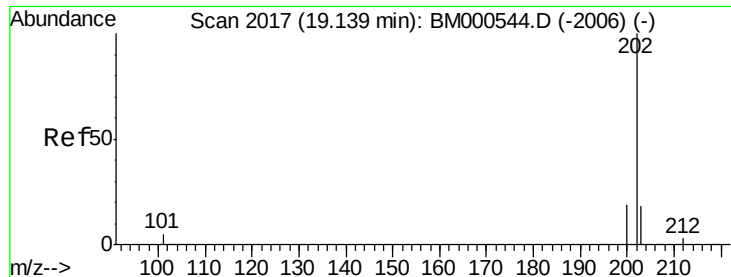


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

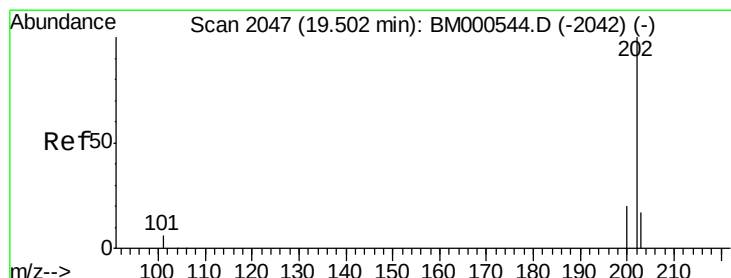
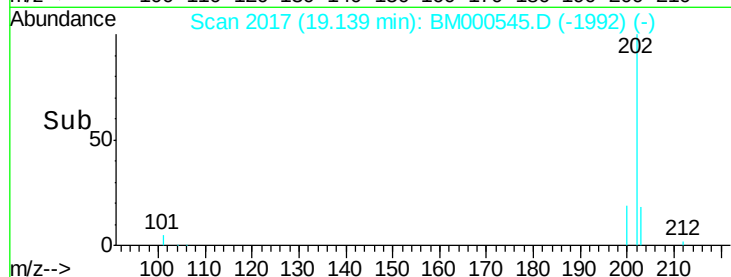
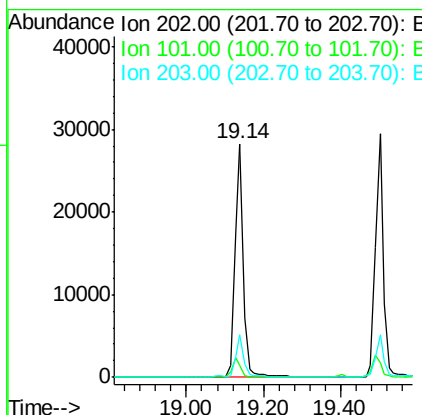
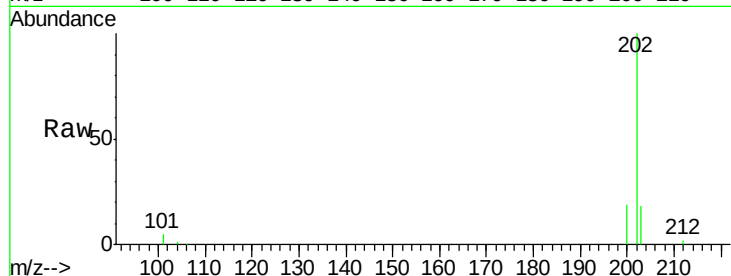




#15
Fluoranthene
Concen: 0.76 ng/ul
RT: 19.14 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BM000545.D
Acq: 18 Feb 2015 18:56

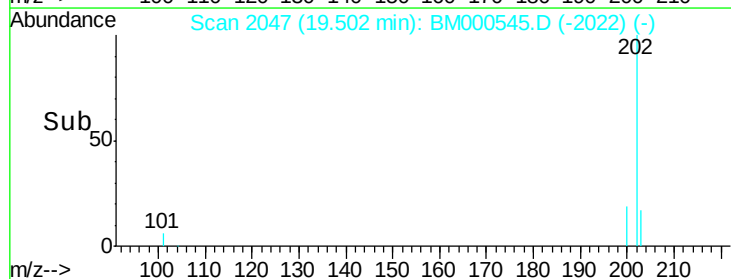
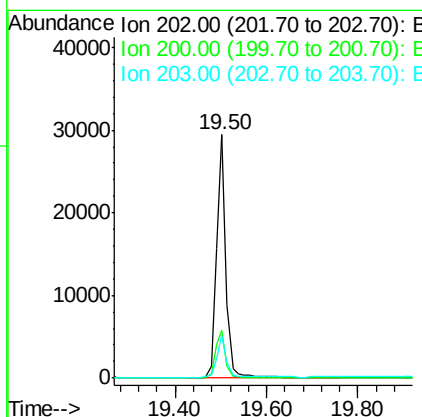
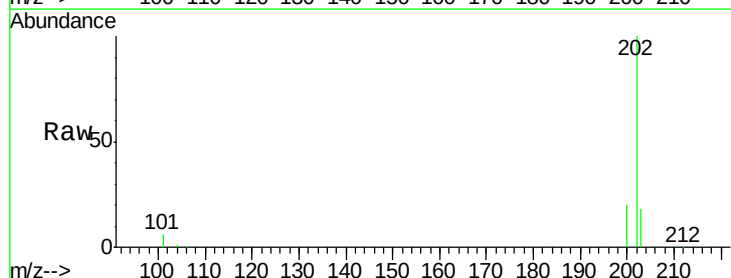
Instrument :
BNA_M
ClientSampleId :
SSTD0.817

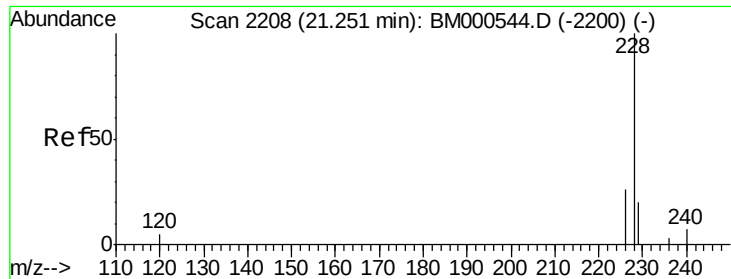
Tgt Ion: 202 Resp: 41911
Ion Ratio Lower Upper
202 100
101 4.9 0.0 25.4
203 18.4 0.0 38.6



#17
Pyrene
Concen: 0.85 ng/ul
RT: 19.50 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BM000545.D
Acq: 18 Feb 2015 18:56

Tgt Ion: 202 Resp: 42046
Ion Ratio Lower Upper
202 100
200 19.6 16.0 24.0
203 17.5 14.4 21.6





#18

Benzo(a)anthracene

Concen: 0.80 ng/ul

RT: 21.25 min Scan# 2208

Delta R.T. 0.00 min

Lab File: BM000545.D

Acq: 18 Feb 2015 18:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.817

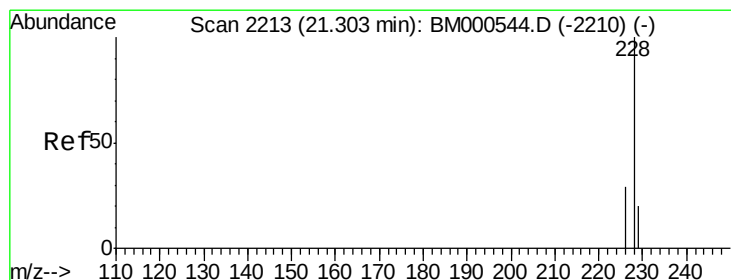
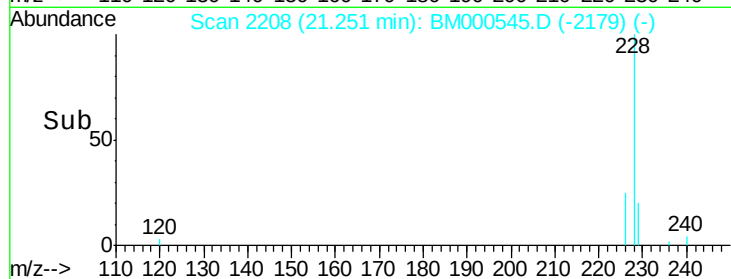
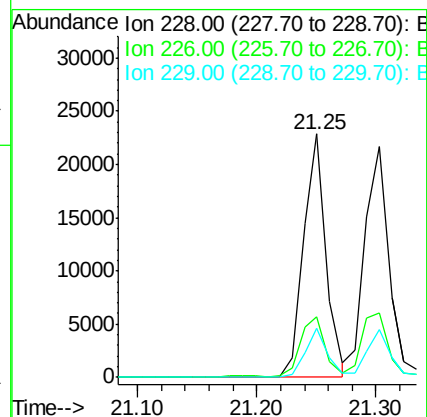
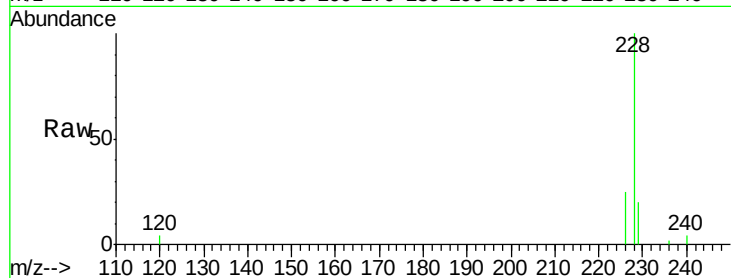
Tgt Ion:228 Resp: 29738

Ion Ratio Lower Upper

228 100

226 24.8 21.2 31.8

229 20.1 16.4 24.6



#19

Chrysene

Concen: 0.74 ng/ul

RT: 21.30 min Scan# 2213

Delta R.T. 0.00 min

Lab File: BM000545.D

Acq: 18 Feb 2015 18:56

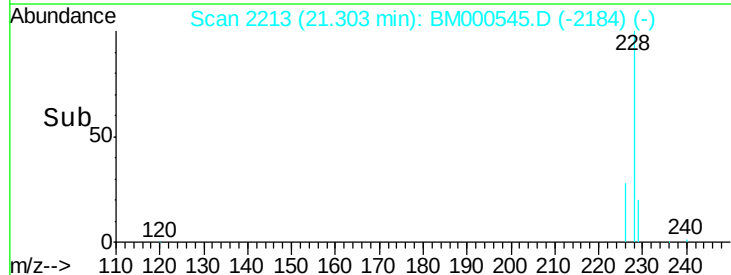
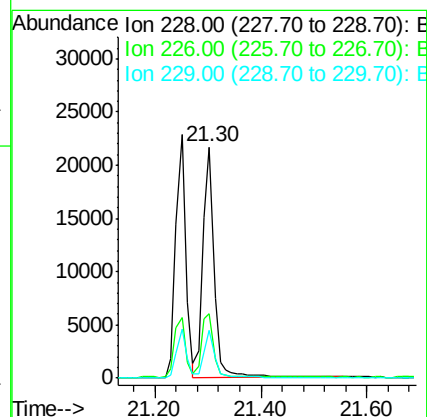
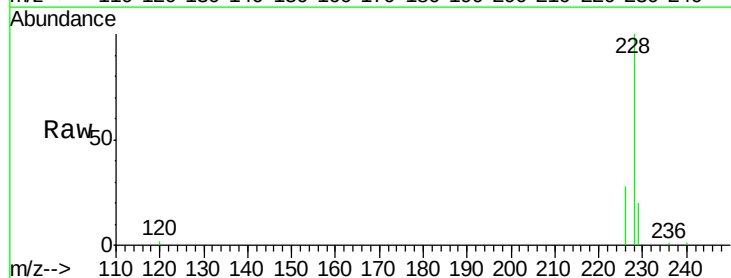
Tgt Ion:228 Resp: 31960

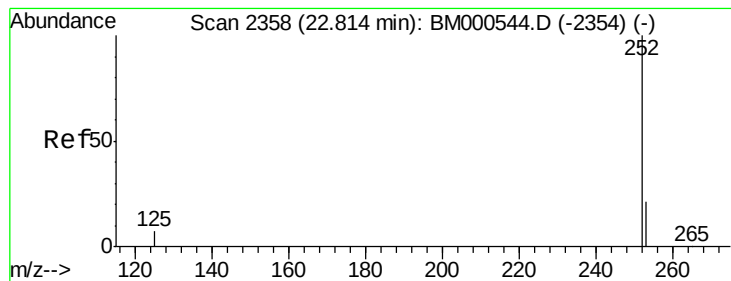
Ion Ratio Lower Upper

228 100

226 28.0 23.1 34.7

229 20.5 16.3 24.5





#21

Benzo(b)fluoranthene

Concen: 0.80 ng/ul

RT: 22.81 min Scan# 2358

Delta R.T. 0.00 min

Lab File: BM000545.D

Acq: 18 Feb 2015 18:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.817

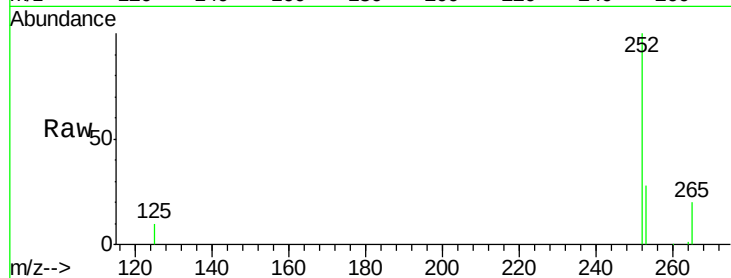
Tgt Ion:252 Resp: 24818

Ion Ratio Lower Upper

252 100

253 28.0 0.0 69.8

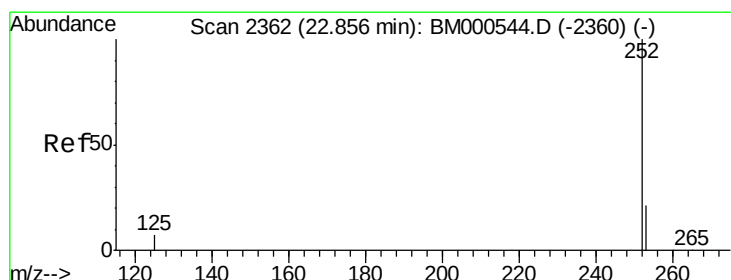
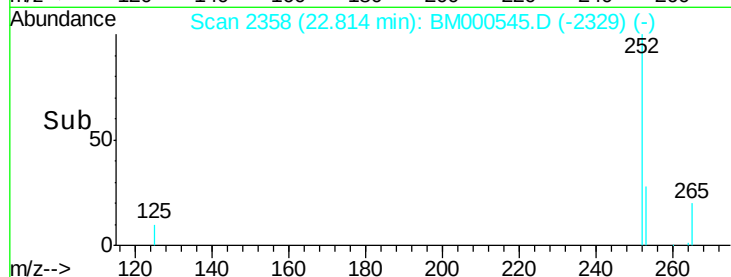
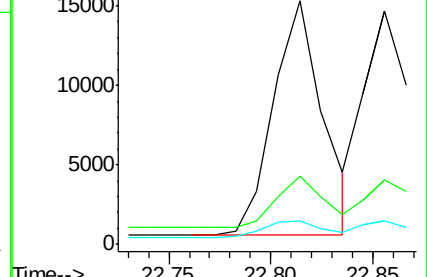
125 9.9 0.0 25.6



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



#22

Benzo(k)fluoranthene

Concen: 0.76 ng/ul

RT: 22.86 min Scan# 2362

Delta R.T. -0.00 min

Lab File: BM000545.D

Acq: 18 Feb 2015 18:56

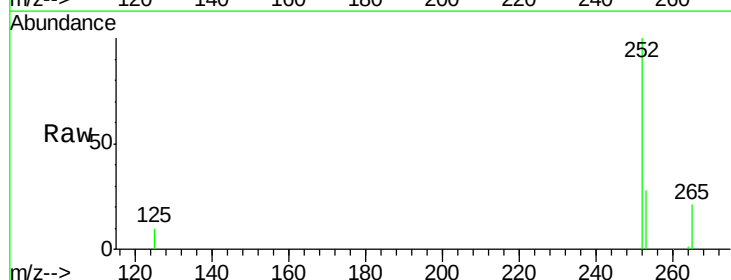
Tgt Ion:252 Resp: 24374

Ion Ratio Lower Upper

252 100

253 27.6 29.2 43.8#

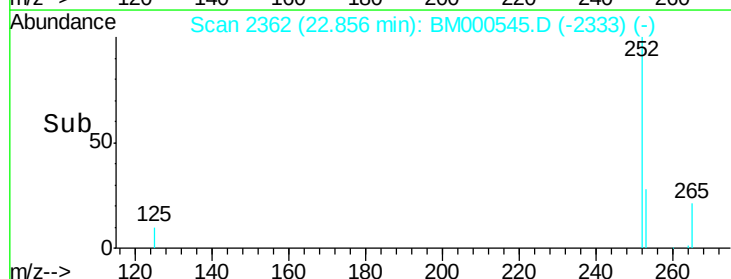
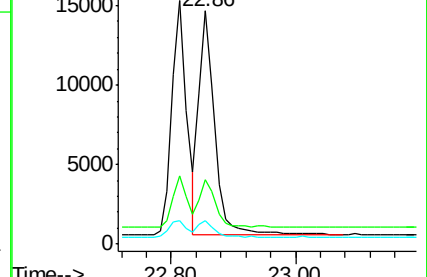
125 10.0 10.8 16.2#

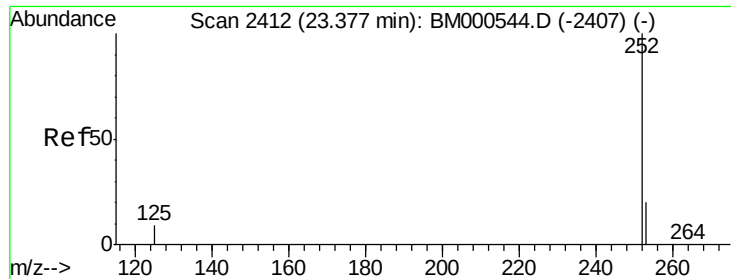


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.76 ng/ul

RT: 23.38 min Scan# 2412

Delta R.T. 0.00 min

Lab File: BM000545.D

Acq: 18 Feb 2015 18:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.817

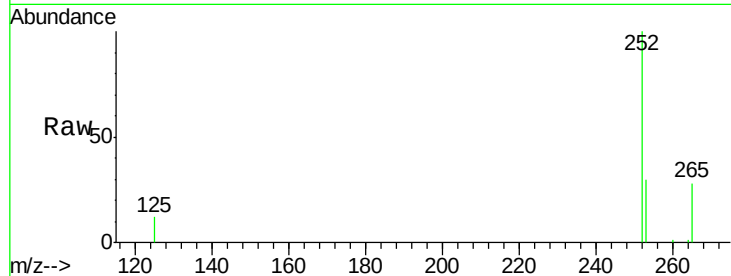
Tgt Ion:252 Resp: 21820

Ion Ratio Lower Upper

252 100

253 29.6 32.7 49.1#

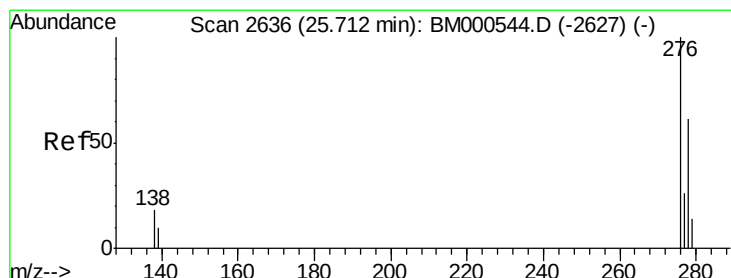
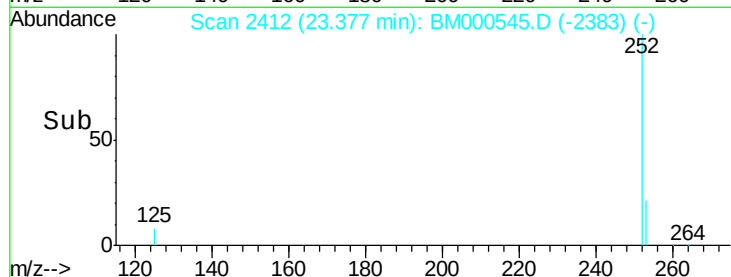
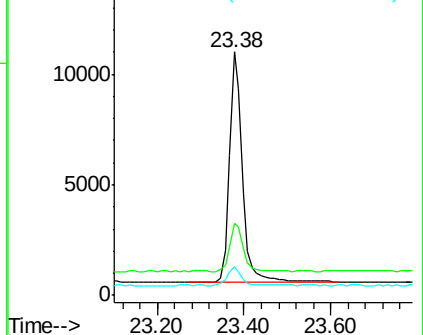
125 12.0 13.3 19.9#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.69 ng/ul

RT: 25.71 min Scan# 2636

Delta R.T. 0.00 min

Lab File: BM000545.D

Acq: 18 Feb 2015 18:56

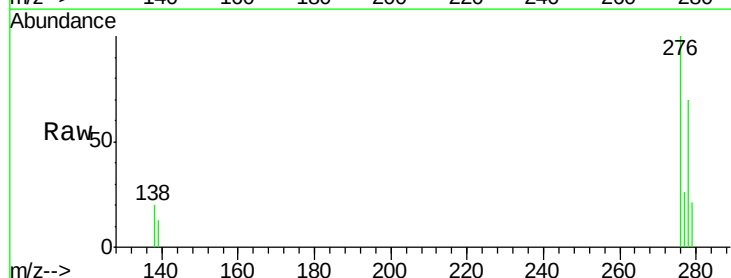
Tgt Ion:276 Resp: 20119

Ion Ratio Lower Upper

276 100

138 19.5 14.9 22.3

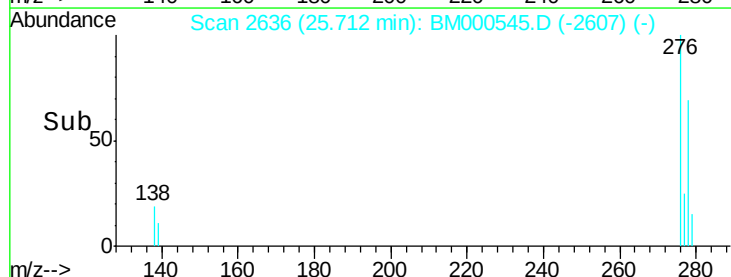
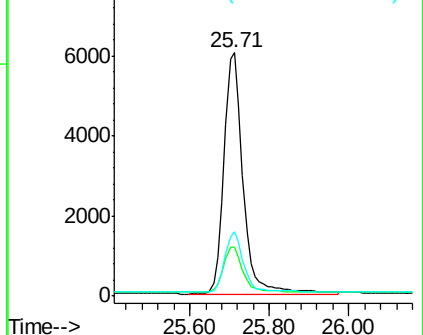
277 24.6 19.9 29.9

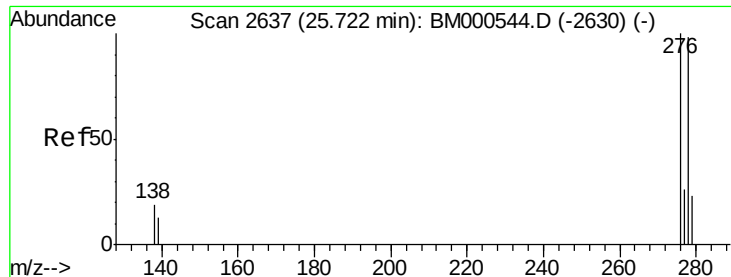


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.70 ng/ul

RT: 25.72 min Scan# 2637

Delta R.T. 0.00 min

Lab File: BM000545.D

Acq: 18 Feb 2015 18:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.817

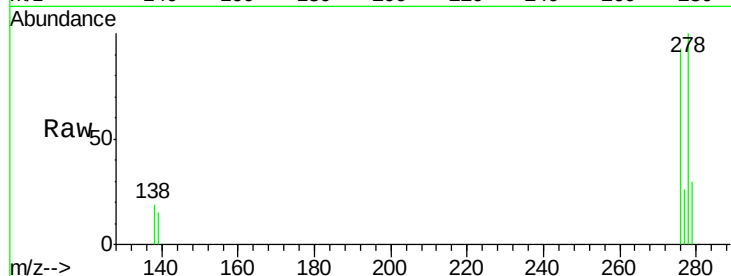
Tgt Ion:278 Resp: 15906

Ion Ratio Lower Upper

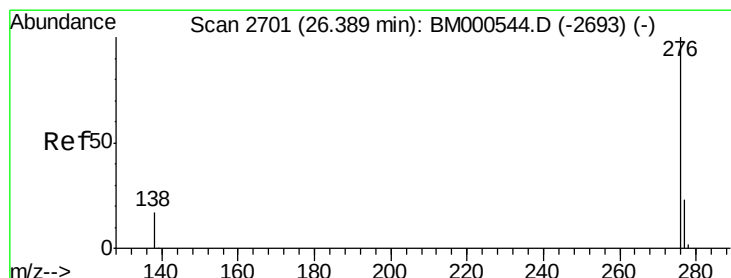
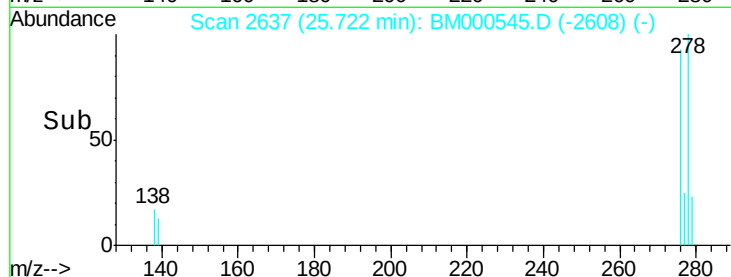
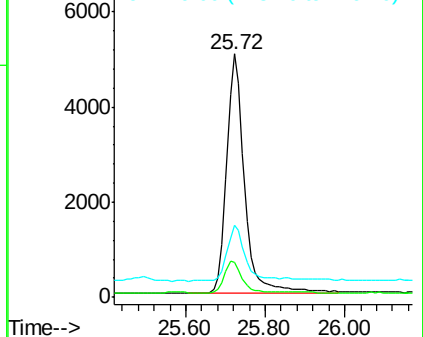
278 100

139 14.5 14.2 21.2

279 29.8 31.5 47.3#



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



#26

Benzo(g,h,i)perylene

Concen: 0.65 ng/ul

RT: 26.39 min Scan# 2701

Delta R.T. 0.00 min

Lab File: BM000545.D

Acq: 18 Feb 2015 18:56

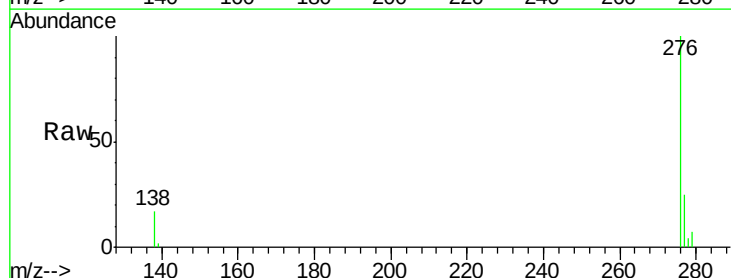
Tgt Ion:276 Resp: 17187

Ion Ratio Lower Upper

276 100

277 25.3 21.4 32.2

138 17.3 16.5 24.7



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

