

Data Path : S:\HPCHEM1\BNA_M\Data\BM021915\
 Data File : BM000551a.D
 Acq On : 19 Feb 2015 12:13
 Operator : TP/IZ
 Sample : G1291-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1J31

Quant Time: Feb 19 13:54:35 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 10:41:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	2802	0.40	ng/ul	0.00
2) Naphthalene-d8	10.47	136	9996	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.32	164	6031	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	12453	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	8159	0.40	ng/ul	0.00
20) Perylene-d12	23.48	264	6238	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.06	152	3768	0.28	ng/ul	-0.01
14) Fluoranthene-d10	19.10	212	8770	0.33	ng/ul	-0.01

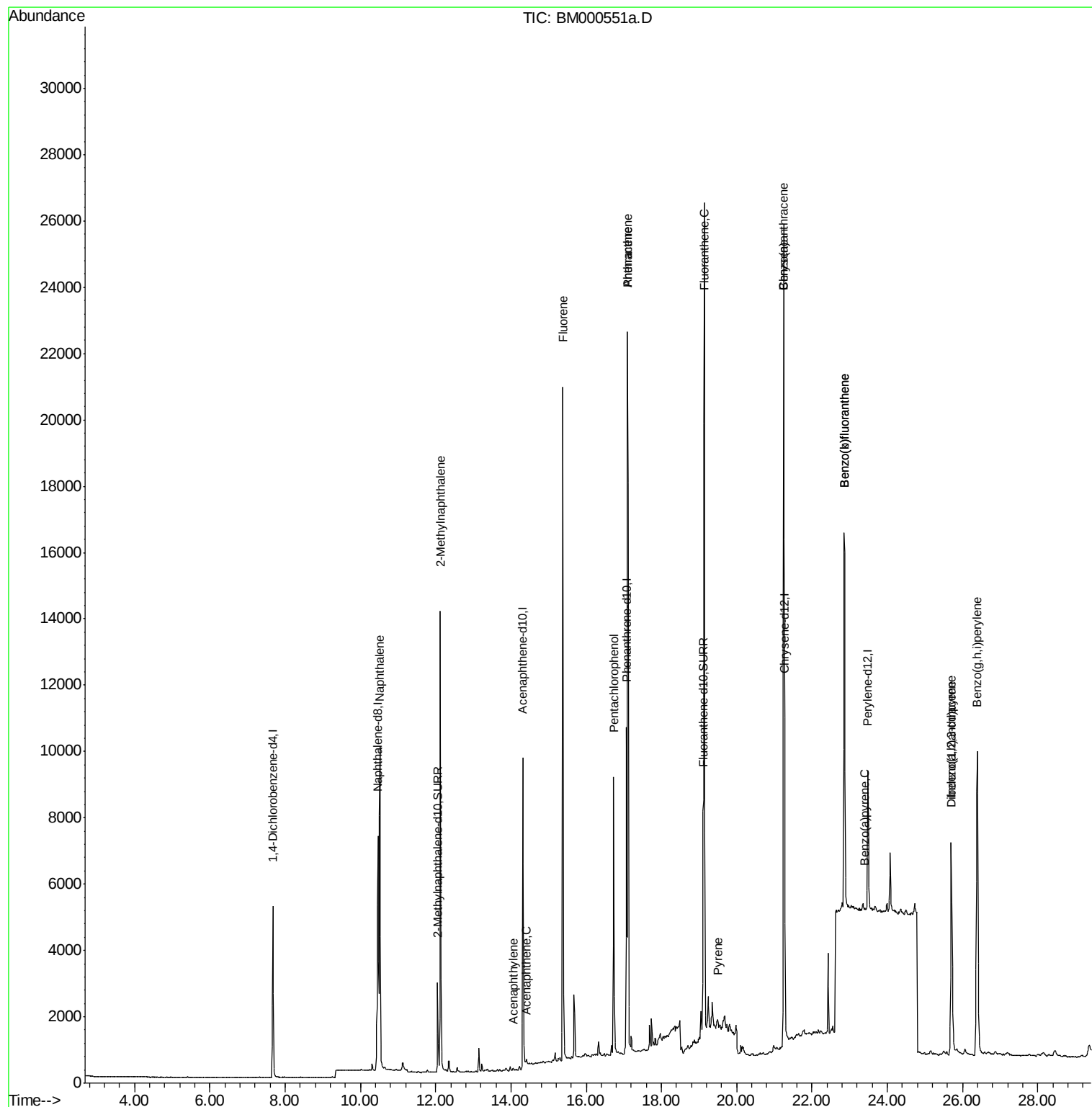
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	14189	0.57	ng/ul	99
5) 2-Methylnaphthalene	12.13	142	10094	0.57	ng/ul	100
7) Acenaphthylene	14.05	152	69	0.00	ng/ul#	1
8) Acenaphthene	14.41	153	63	0.00	ng/ul#	62
9) Fluorene	15.39	166	16780	0.71	ng/ul	96
11) Pentachlorophenol	16.73	266	6020	1.71	ng/ul	96
12) Phenanthrene	17.10	178	29028	0.83	ng/ul#	91
13) Anthracene	17.10	178	29028	0.88	ng/ul#	89
15) Fluoranthene	19.14	202	25250	0.63	ng/ul	98
17) Pyrene	19.50	202	534	0.01	ng/ul#	1
18) Benzo(a)anthracene	21.25	228	22386	0.87	ng/ul	100
19) Chrysene	21.25	228	22386	0.81	ng/ul	97
21) Benzo(b)fluoranthene	22.86	252	16594	0.71	ng/ul	90
22) Benzo(k)fluoranthene	22.86	252	16594	0.72	ng/ul#	88
23) Benzo(a)pyrene	23.40	252	22	0.00	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.70	276	13092	0.67	ng/ul	98
25) Dibenzo(a,h)anthracene	25.71	278	387	0.02	ng/ul#	1
26) Benzo(g,h,i)perylene	26.39	276	19624	1.16	ng/ul	97

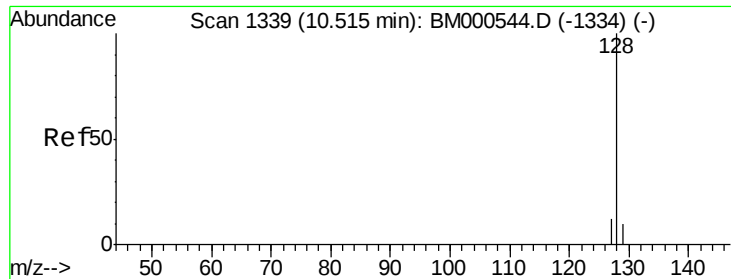
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.57 ng/ul

RT: 10.51 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BM000551a.D

Acq: 19 Feb 2015 12:13

Instrument :

BNA_M

ClientSampleId :

X1J31

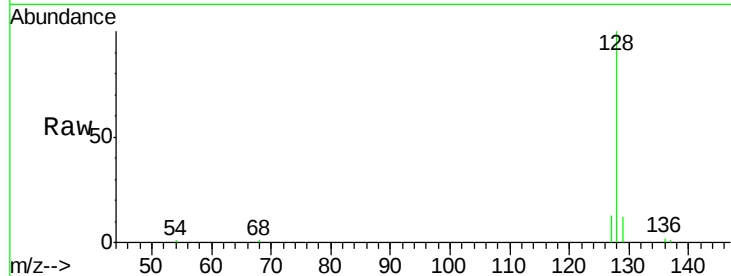
Tgt Ion:128 Resp: 14189

Ion Ratio Lower Upper

128 100

129 11.9 9.0 13.6

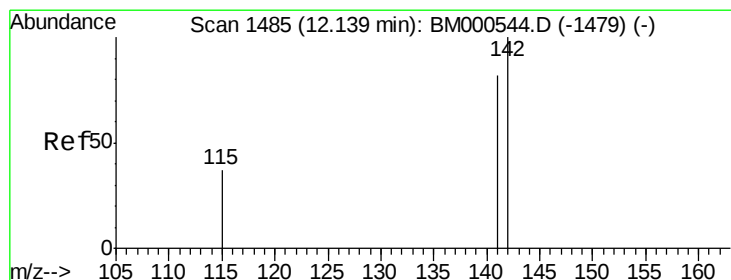
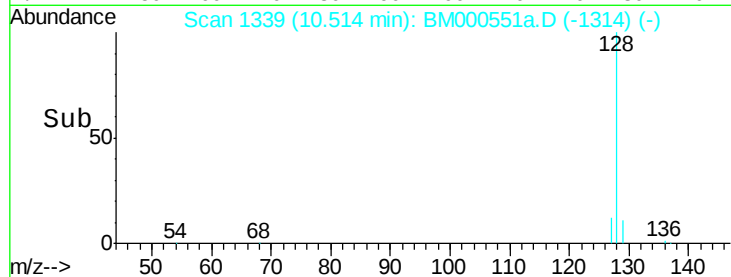
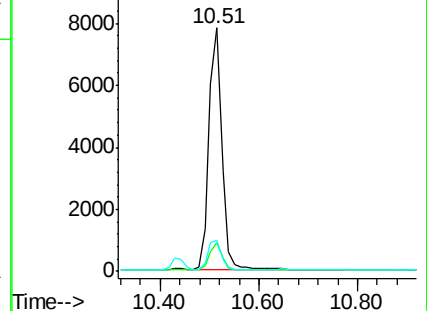
127 12.6 10.6 15.8



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: 0.57 ng/ul

RT: 12.13 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BM000551a.D

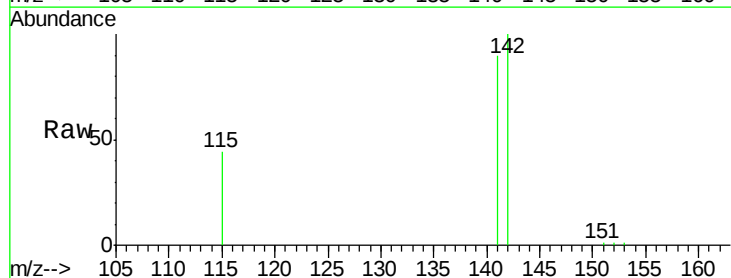
Acq: 19 Feb 2015 12:13

Tgt Ion:142 Resp: 10094

Ion Ratio Lower Upper

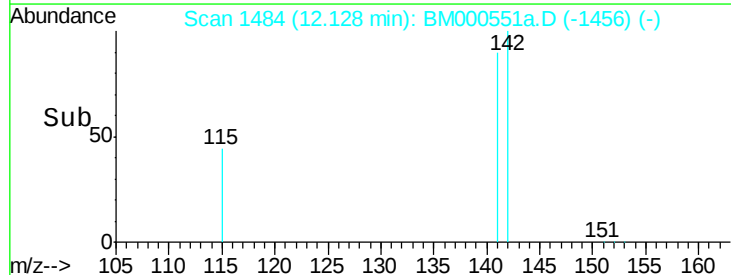
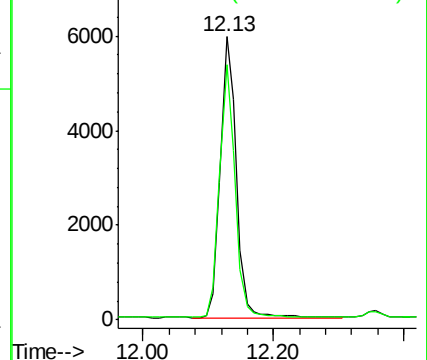
142 100

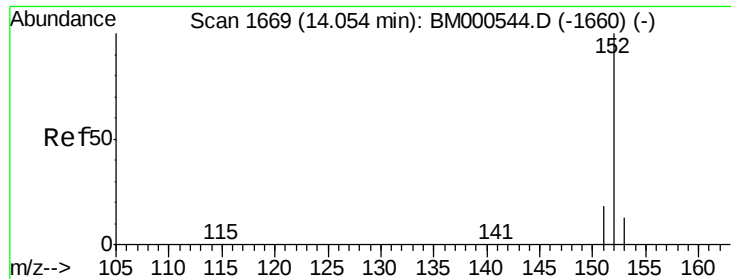
141 88.1 70.4 105.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.05 min Scan# 1669

Delta R.T. -0.00 min

Lab File: BM000551a.D

Acq: 19 Feb 2015 12:13

Instrument :

BNA_M

ClientSampleId :

X1J31

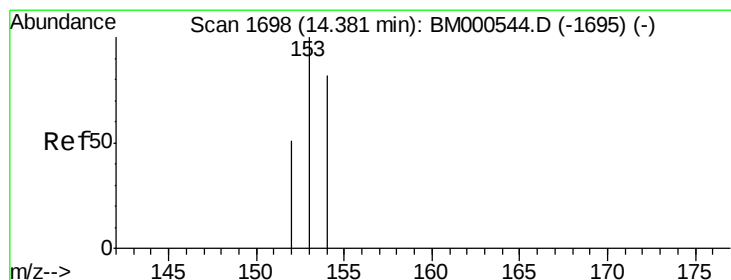
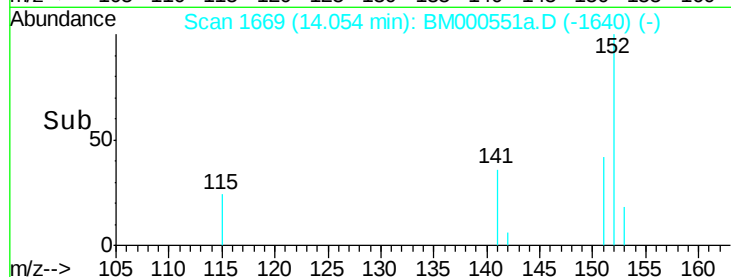
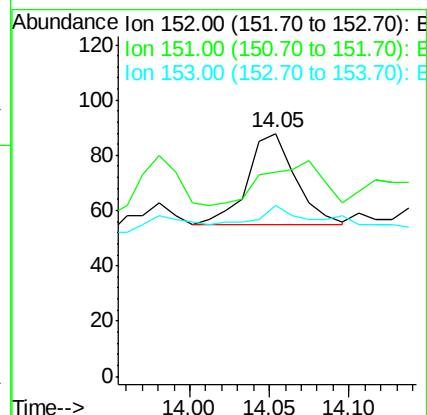
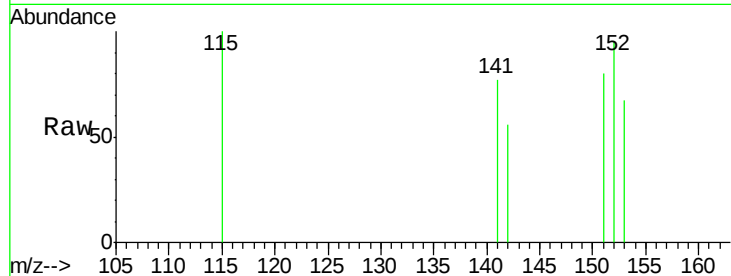
Tgt Ion:152 Resp: 69

Ion Ratio Lower Upper

152 100

151 84.1 15.0 22.4#

153 70.5 11.2 16.8#



#8

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.41 min Scan# 1700

Delta R.T. 0.03 min

Lab File: BM000551a.D

Acq: 19 Feb 2015 12:13

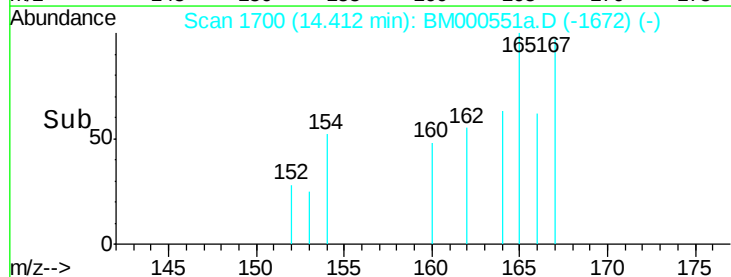
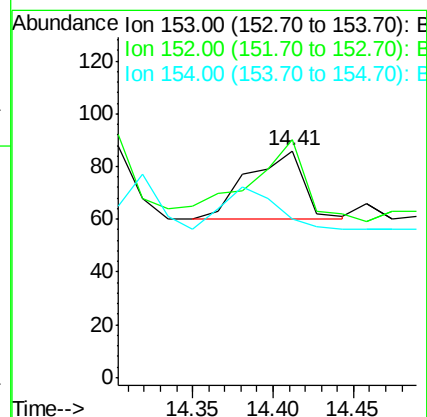
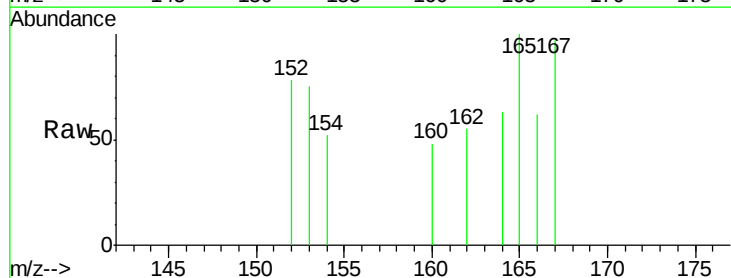
Tgt Ion:153 Resp: 63

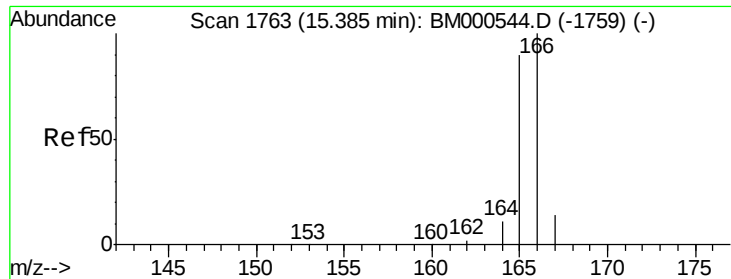
Ion Ratio Lower Upper

153 100

152 104.7 41.2 61.8#

154 69.8 66.0 99.0





#9

Fluorene

Concen: 0.71 ng/ul

RT: 15.39 min Scan# 1763

Delta R.T. -0.00 min

Lab File: BM000551a.D

Acq: 19 Feb 2015 12:13

Instrument :

BNA_M

ClientSampleId :

X1J31

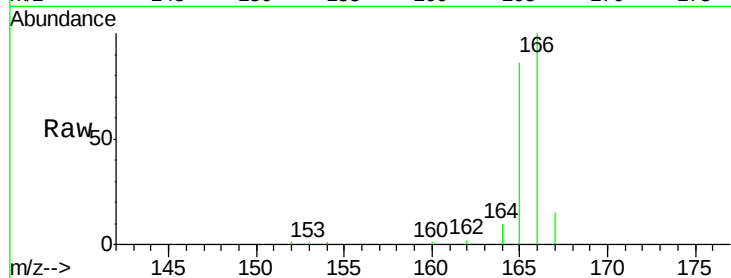
Tgt Ion:166 Resp: 16780

Ion Ratio Lower Upper

166 100

165 86.4 72.3 108.5

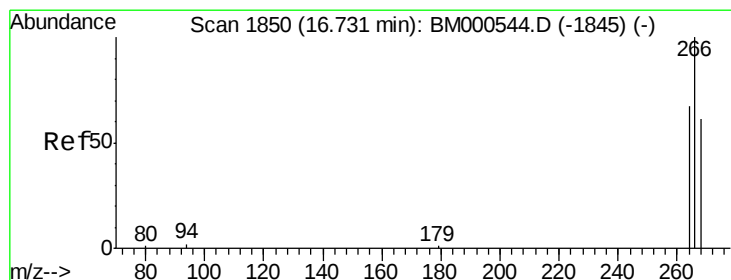
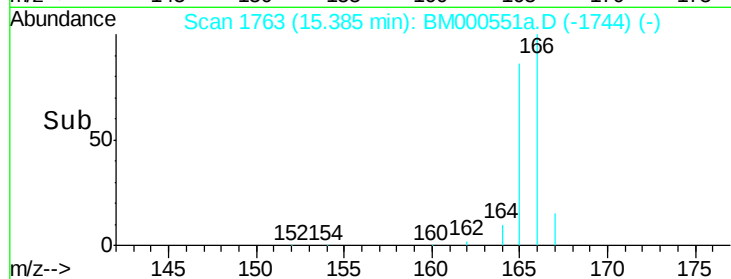
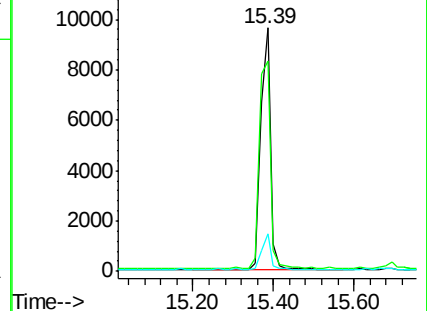
167 15.2 11.9 17.9



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



#11

Pentachlorophenol

Concen: 1.71 ng/ul

RT: 16.73 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BM000551a.D

Acq: 19 Feb 2015 12:13

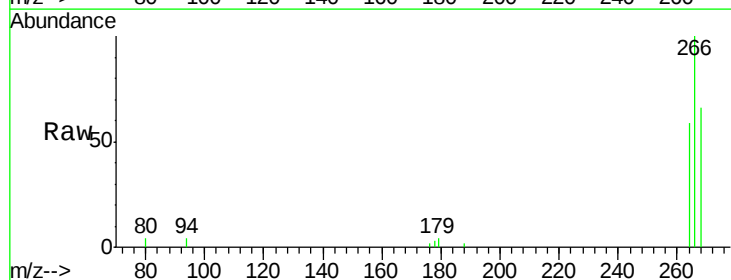
Tgt Ion:266 Resp: 6020

Ion Ratio Lower Upper

266 100

264 62.1 51.8 77.6

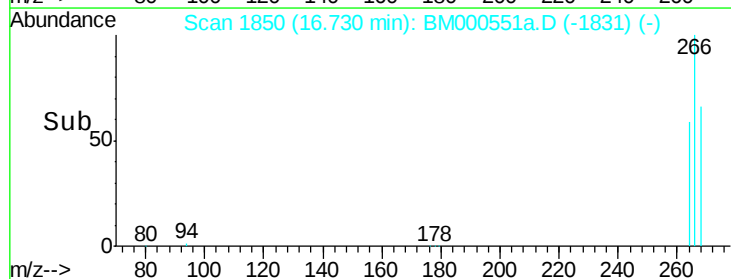
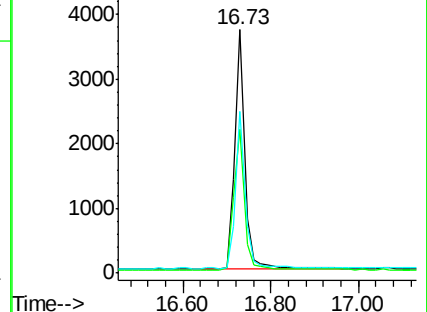
268 64.6 55.4 83.0

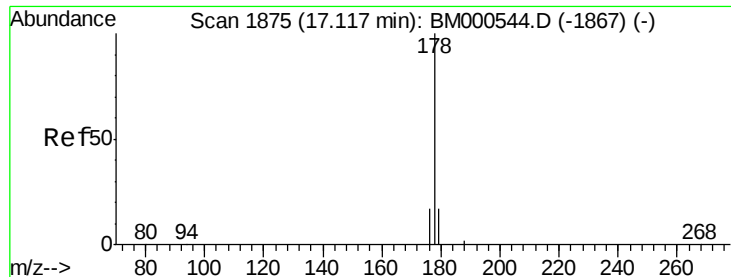


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.83 ng/ul

RT: 17.10 min Scan# 1874

Delta R.T. -0.02 min

Lab File: BM000551a.D

Acq: 19 Feb 2015 12:13

Instrument :

BNA_M

ClientSampleId :

X1J31

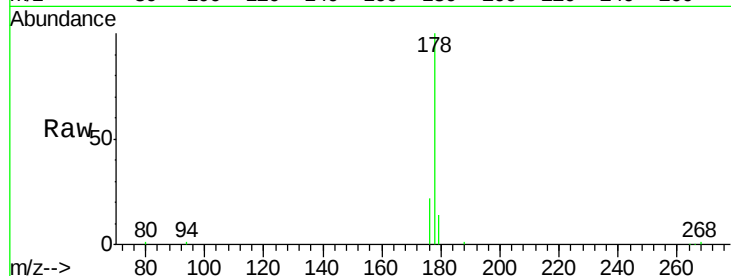
Tgt Ion:178 Resp: 29028

Ion Ratio Lower Upper

178 100

176 22.1 14.1 21.1#

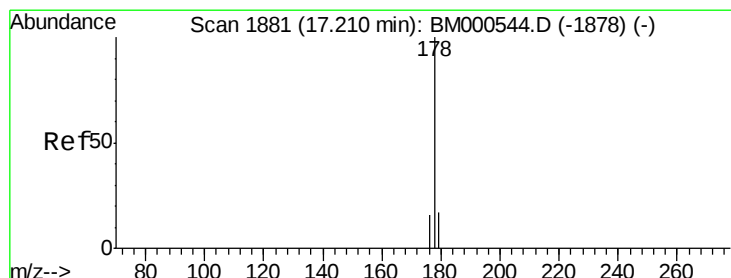
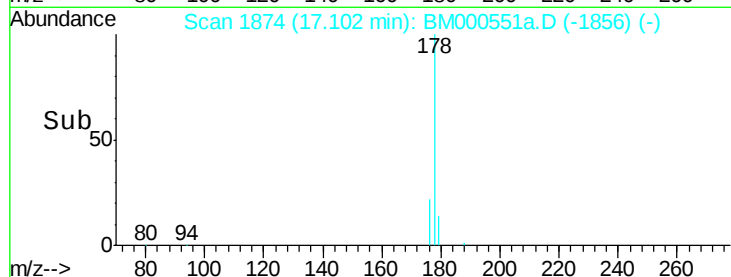
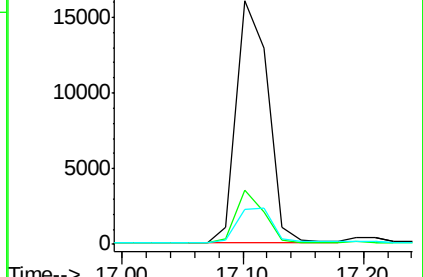
179 14.3 14.4 21.6#



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: 0.88 ng/ul

RT: 17.10 min Scan# 1874

Delta R.T. -0.11 min

Lab File: BM000551a.D

Acq: 19 Feb 2015 12:13

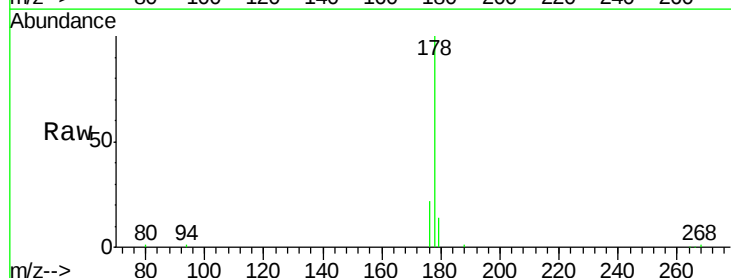
Tgt Ion:178 Resp: 29028

Ion Ratio Lower Upper

178 100

176 22.1 13.6 20.4#

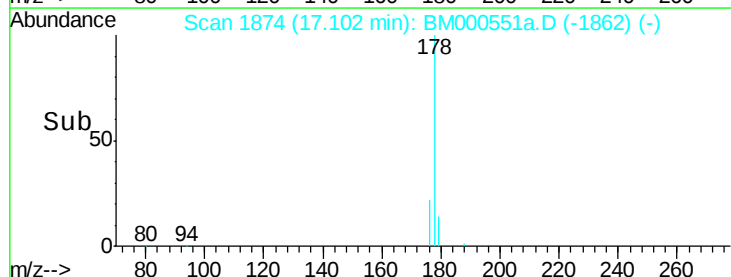
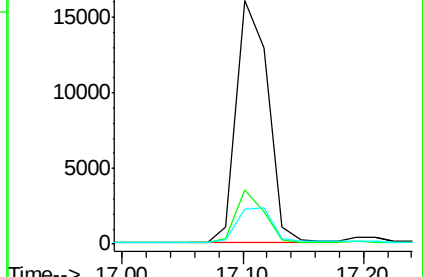
179 14.3 14.9 22.3#

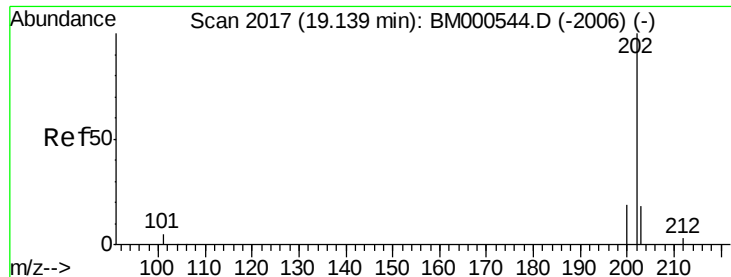


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

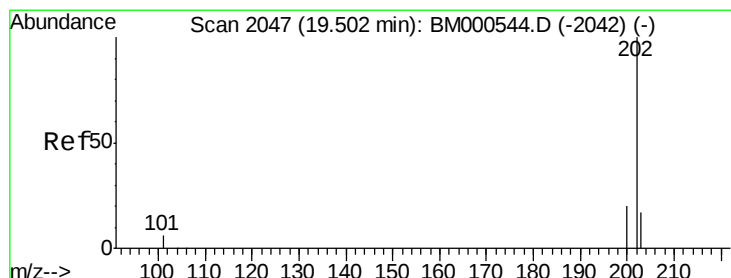
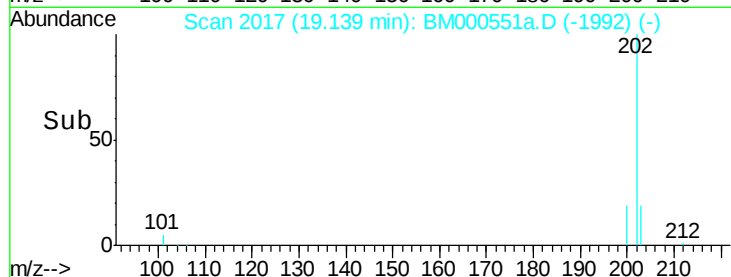
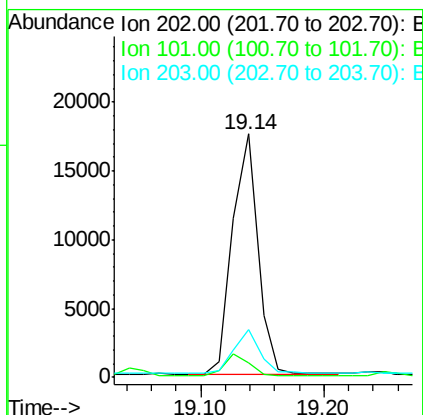
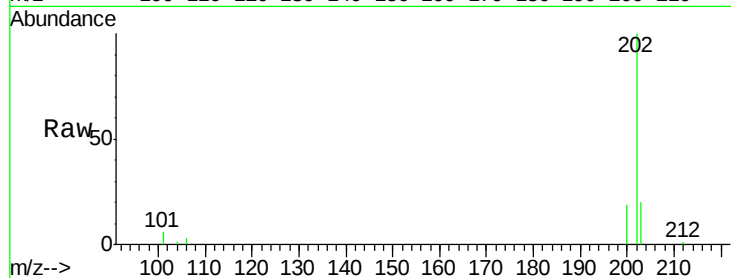




#15
Fluoranthene
Concen: 0.63 ng/ul
RT: 19.14 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BM000551a.D
Acq: 19 Feb 2015 12:13

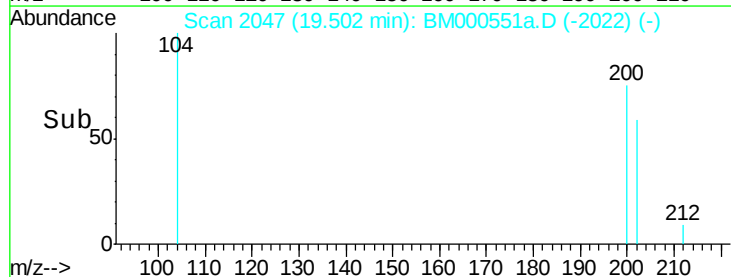
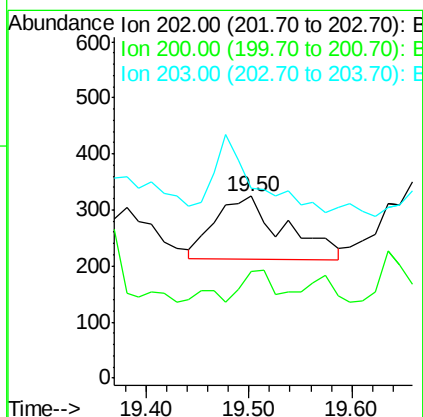
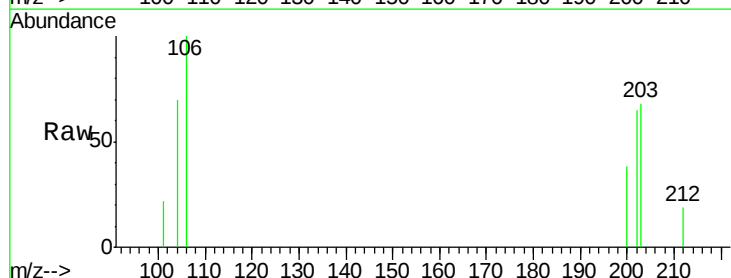
Instrument :
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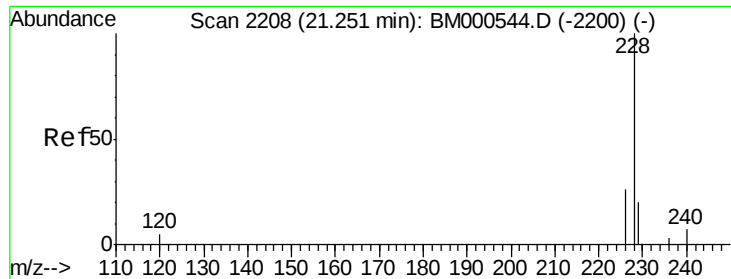
Tgt Ion:202 Resp: 25250
Ion Ratio Lower Upper
202 100
101 5.8 0.0 25.4
203 19.8 0.0 38.6



#17
Pyrene
Concen: 0.01 ng/ul
RT: 19.50 min Scan# 2047
Delta R.T. -0.00 min
Lab File: BM000551a.D
Acq: 19 Feb 2015 12:13

Tgt Ion:202 Resp: 534
Ion Ratio Lower Upper
202 100
200 58.6 16.0 24.0#
203 104.6 14.4 21.6#

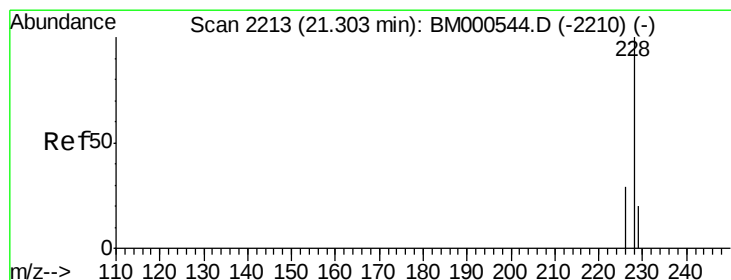
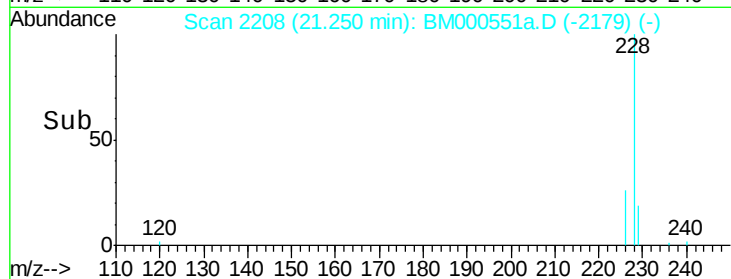
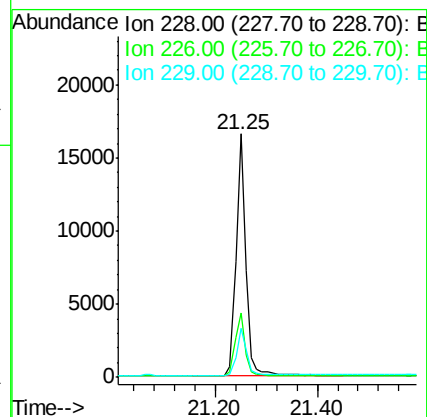
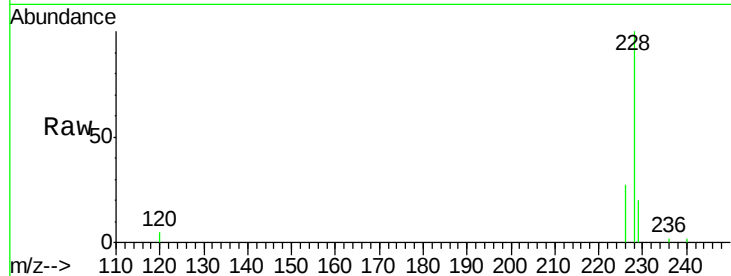




#18
Benzo(a)anthracene
Concen: 0.87 ng/ul
RT: 21.25 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BM000551a.D
Acq: 19 Feb 2015 12:13

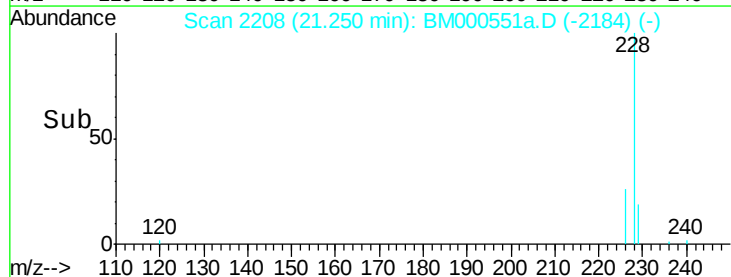
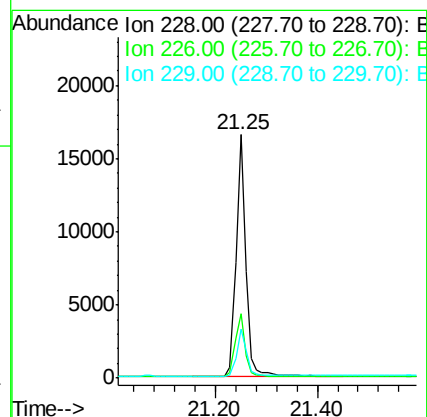
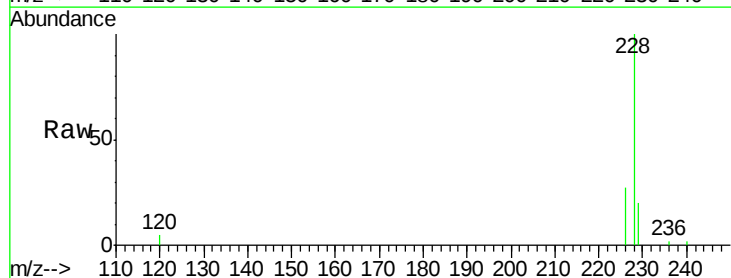
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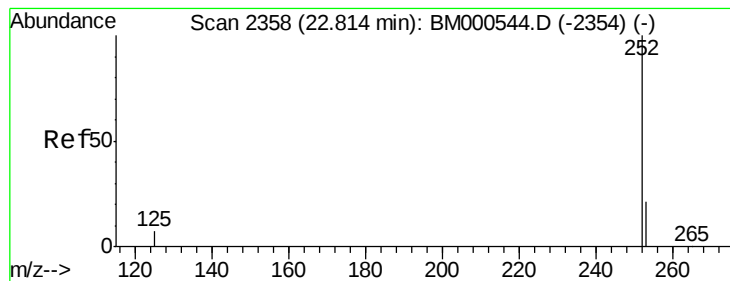
Tgt Ion:228 Resp: 22386
Ion Ratio Lower Upper
228 100
226 26.6 21.2 31.8
229 20.2 16.4 24.6



#19
Chrysene
Concen: 0.81 ng/ul
RT: 21.25 min Scan# 2208
Delta R.T. -0.05 min
Lab File: BM000551a.D
Acq: 19 Feb 2015 12:13

Tgt Ion:228 Resp: 22386
Ion Ratio Lower Upper
228 100
226 26.6 23.1 34.7
229 20.2 16.3 24.5





#21

Benzo(b)fluoranthene

Concen: 0.71 ng/u1

RT: 22.86 min Scan# 2362

Delta R.T. 0.04 min

Lab File: BM000551a.D

Acq: 19 Feb 2015 12:13

Instrument :

BNA_M

ClientSampleId :

X1J31

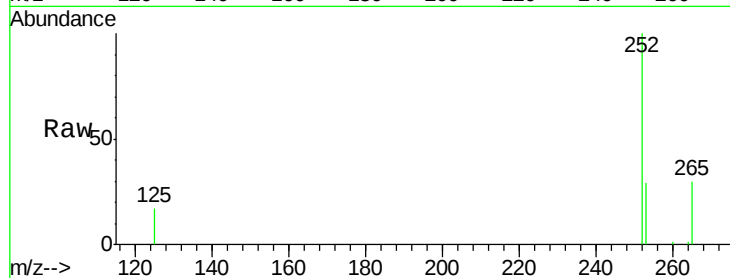
Tgt Ion:252 Resp: 16594

Ion Ratio Lower Upper

252 100

253 29.0 0.0 69.8

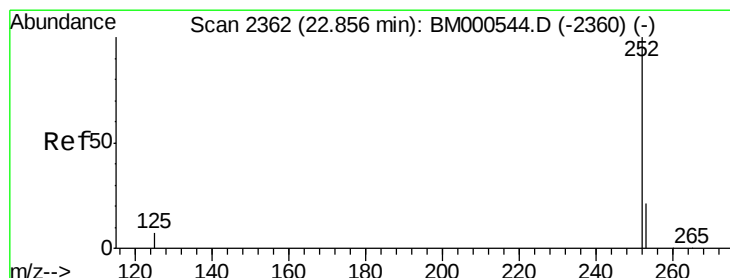
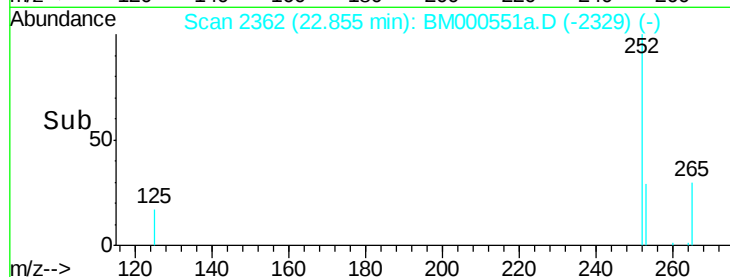
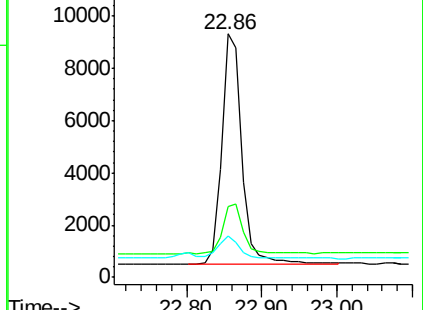
125 17.0 0.0 25.6



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: 0.72 ng/u1

RT: 22.86 min Scan# 2362

Delta R.T. -0.00 min

Lab File: BM000551a.D

Acq: 19 Feb 2015 12:13

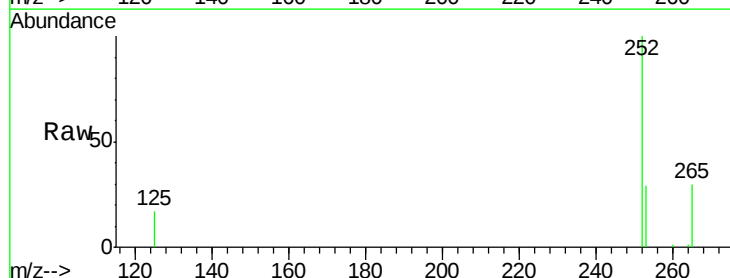
Tgt Ion:252 Resp: 16594

Ion Ratio Lower Upper

252 100

253 29.0 29.2 43.8#

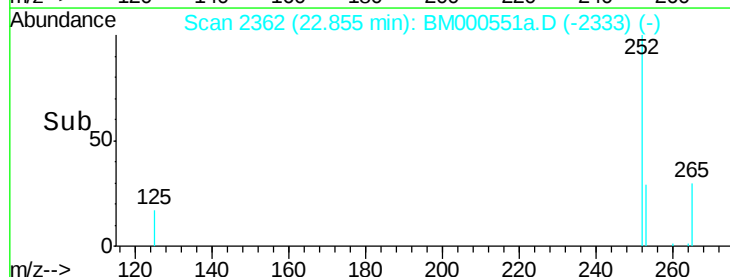
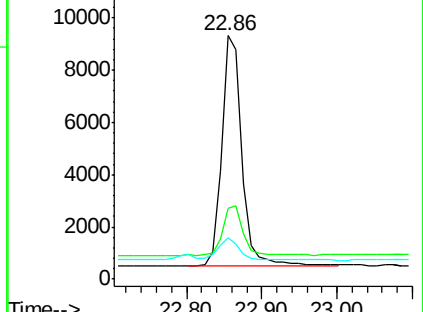
125 17.0 10.8 16.2#

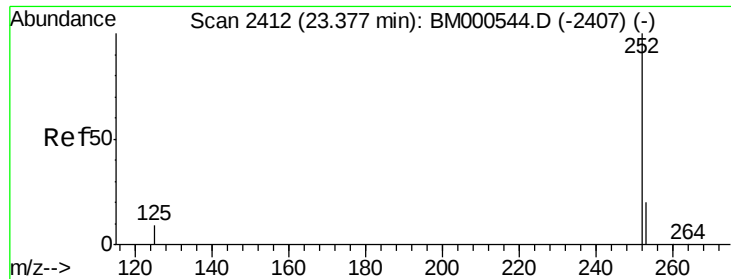


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.40 min Scan# 2414

Delta R.T. 0.02 min

Lab File: BM000551a.D

Acq: 19 Feb 2015 12:13

Instrument :

BNA_M

ClientSampleId :

X1J31

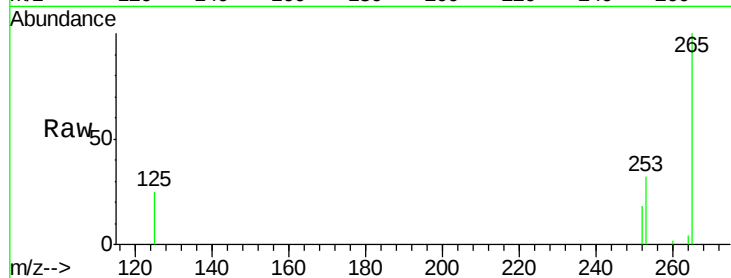
Tgt Ion:252 Resp: 22

Ion Ratio Lower Upper

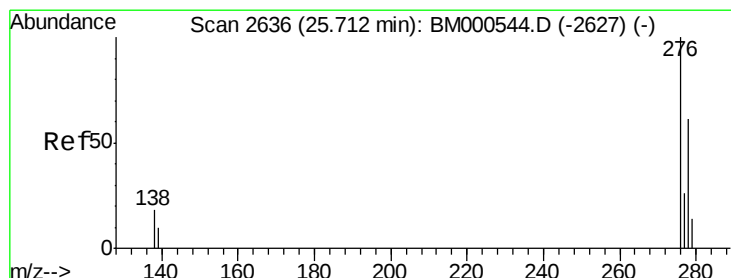
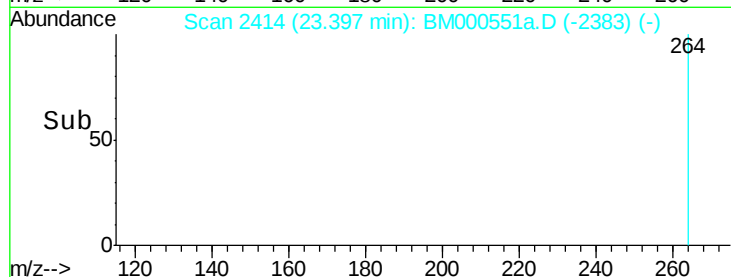
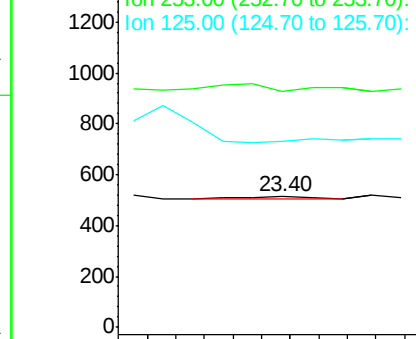
252 100

253 180.9 32.7 49.1#

125 142.5 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: 0.67 ng/ul

RT: 25.70 min Scan# 2635

Delta R.T. -0.01 min

Lab File: BM000551a.D

Acq: 19 Feb 2015 12:13

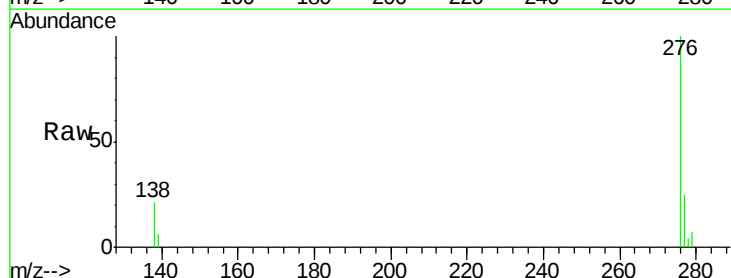
Tgt Ion:276 Resp: 13092

Ion Ratio Lower Upper

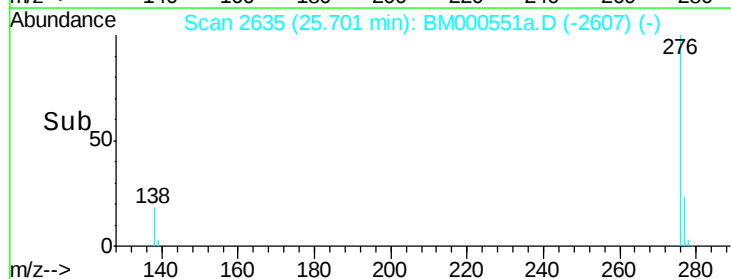
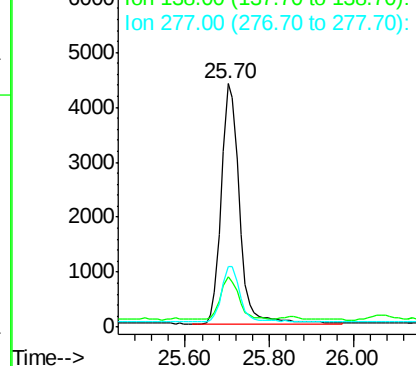
276 100

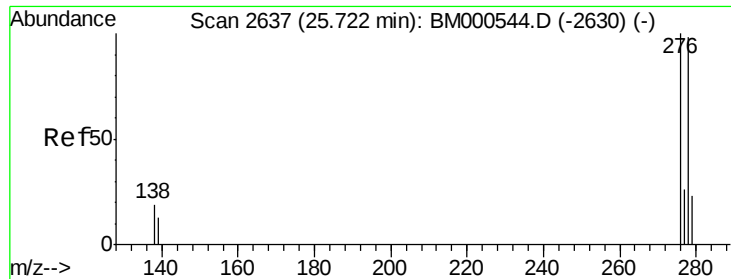
138 18.0 14.9 22.3

277 23.9 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: 0.02 ng/ul

RT: 25.71 min Scan# 2636

Delta R.T. -0.01 min

Lab File: BM000551a.D

Acq: 19 Feb 2015 12:13

Instrument :

BNA_M

ClientSampleId :

X1J31

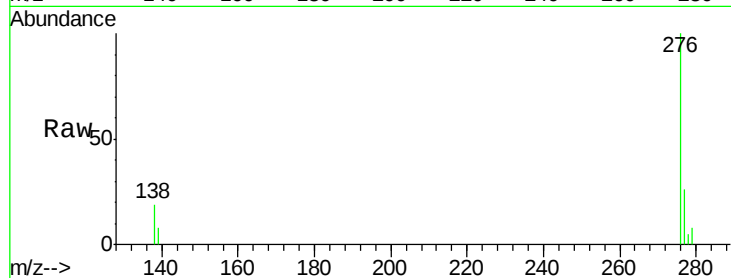
Tgt Ion:278 Resp: 387

Ion Ratio Lower Upper

278 100

139 165.6 14.2 21.2#

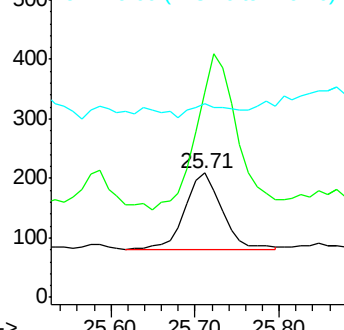
279 155.5 31.5 47.3#



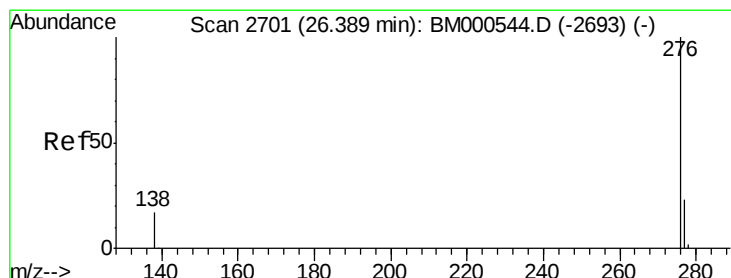
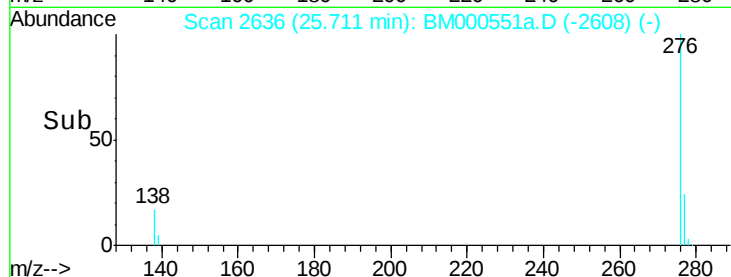
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#26

Benzo(g,h,i)perylene

Concen: 1.16 ng/ul

RT: 26.39 min Scan# 2701

Delta R.T. -0.00 min

Lab File: BM000551a.D

Acq: 19 Feb 2015 12:13

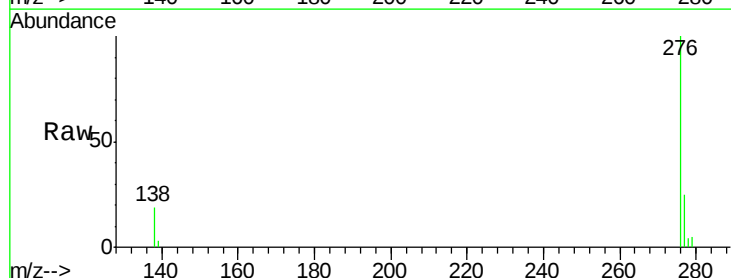
Tgt Ion:276 Resp: 19624

Ion Ratio Lower Upper

276 100

277 24.8 21.4 32.2

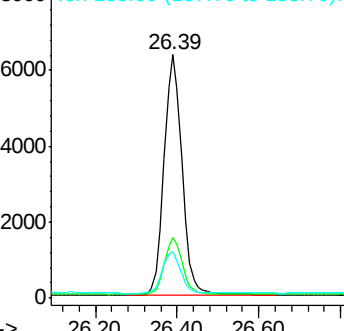
138 19.2 16.5 24.7



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



Time-->

