

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032816\
 Data File : BM004805.D
 Acq On : 28 Mar 2016 14:07
 Operator : UM/SJ
 Sample : H1909-17DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T51DL

Quant Time: Mar 29 03:08:29 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 29 02:37:56 2016
 Response via : Initial Calibration

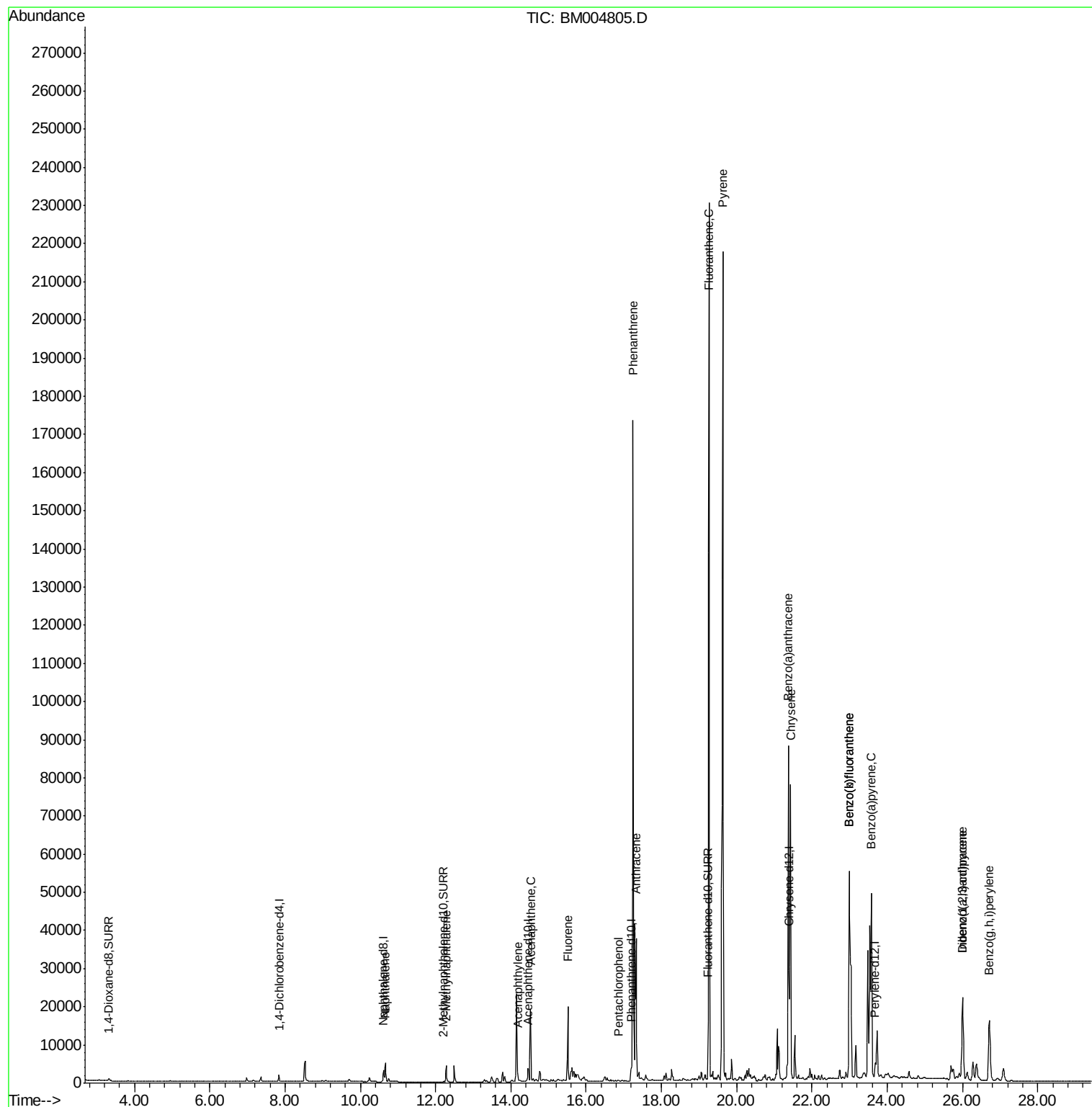
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	975	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	4417	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2432	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	5472	5.00	ng/ul	0.00
18) Chrysene-d12	21.39	240	5923	5.00	ng/ul	-0.01
22) Perylene-d12	23.68	264	5653	5.00	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	627	1.43	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	248	0.04	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	696	0.05	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.67	128	7105	0.67	ng/ul	97
7) 2-Methylnaphthalene	12.28	142	3614	0.47	ng/ul	100
9) Acenaphthylene	14.18	152	1612	0.14	ng/ul#	85
10) Acenaphthene	14.52	153	11461	1.45	ng/ul	90
11) Fluorene	15.51	166	13026	1.38	ng/ul	93
13) Pentachlorophenol	16.87	266	11	0.01	ng/ul#	49
14) Phenanthrene	17.24	178	194608	12.66	ng/ul	96
15) Anthracene	17.33	178	41458	2.86	ng/ul	97
17) Fluoranthene	19.27	202	216460	12.37	ng/ul	96
19) Pyrene	19.63	202	205110	10.11	ng/ul	96
20) Benzo(a)anthracene	21.38	228	96472	5.30	ng/ul	98
21) Chrysene	21.43	228	83238	4.73	ng/ul	97
23) Benzo(b)fluoranthene	22.99	252	126372	6.64	ng/ul	98
24) Benzo(k)fluoranthene	22.99	252	126372	7.16	ng/ul	96
25) Benzo(a)pyrene	23.58	252	69403	3.99	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	26.01	276	34442	2.14	ng/ul#	88
27) Dibenzo(a,h)anthracene	26.01	278	8292	0.65	ng/ul#	87
28) Benzo(g,h,i)perylene	26.71	276	31064	2.33	ng/ul	95

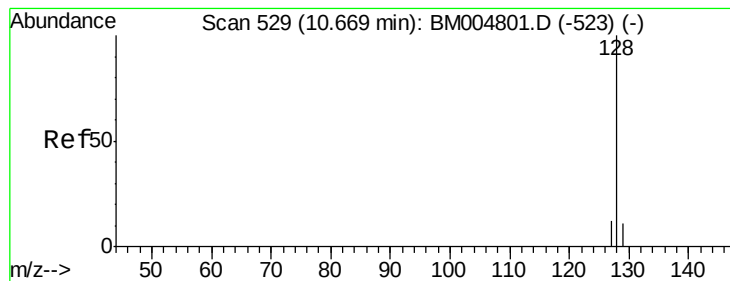
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.67 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004805.D

Acq: 28 Mar 2016 14:07

Instrument :

BNA_M

ClientSampleId :

A4T51DL

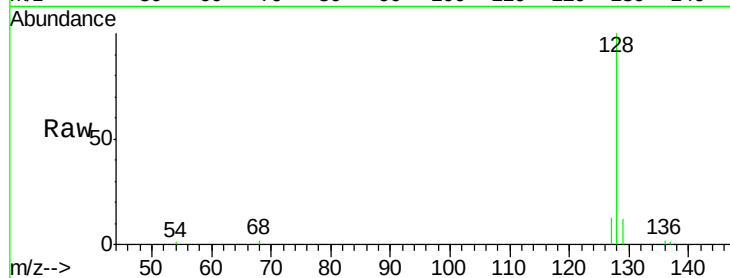
Tgt Ion:128 Resp: 7105

Ion Ratio Lower Upper

128 100

129 12.4 9.0 13.6

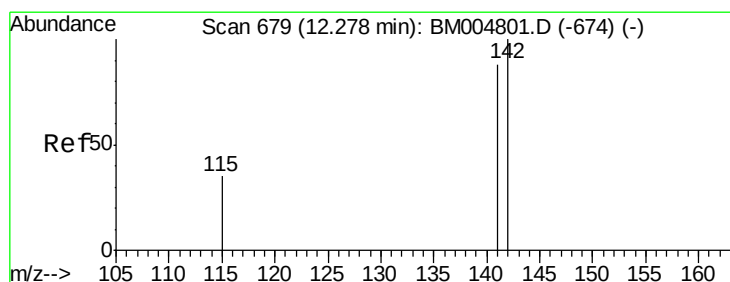
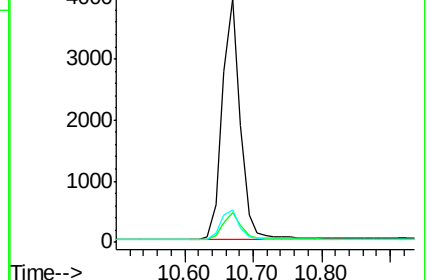
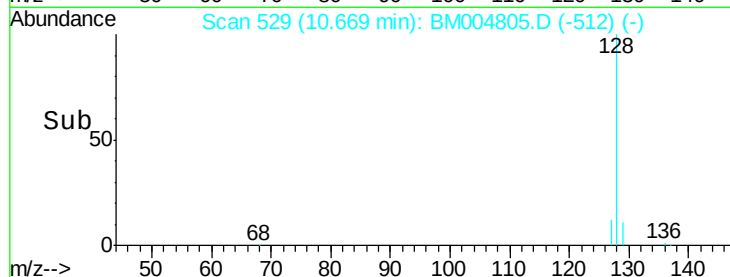
127 13.4 9.6 14.4



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



#7

2-Methylnaphthalene

Concen: 0.47 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004805.D

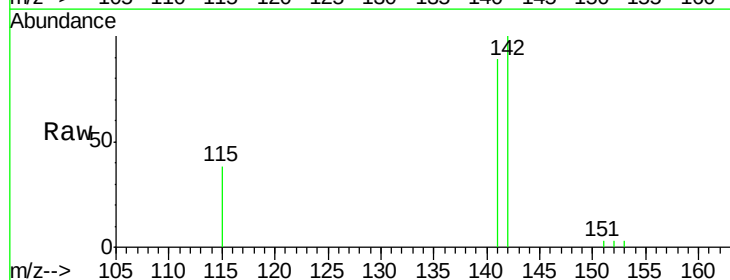
Acq: 28 Mar 2016 14:07

Tgt Ion:142 Resp: 3614

Ion Ratio Lower Upper

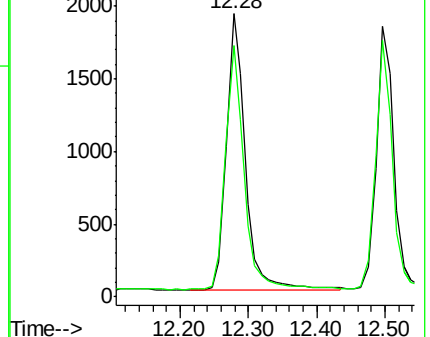
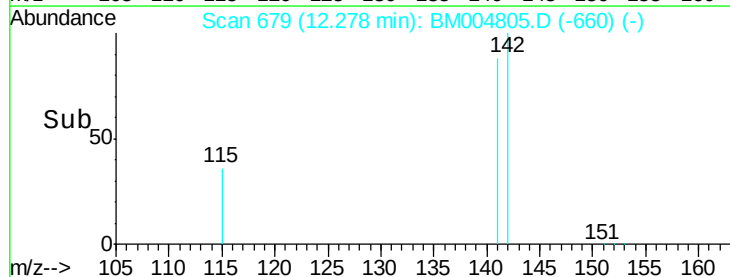
142 100

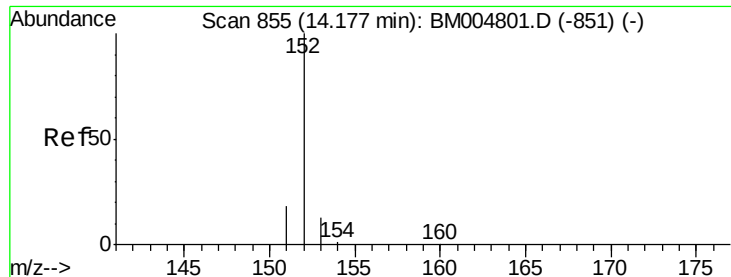
141 87.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.14 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004805.D

Acq: 28 Mar 2016 14:07

Instrument :

BNA_M

ClientSampleId :

A4T51DL

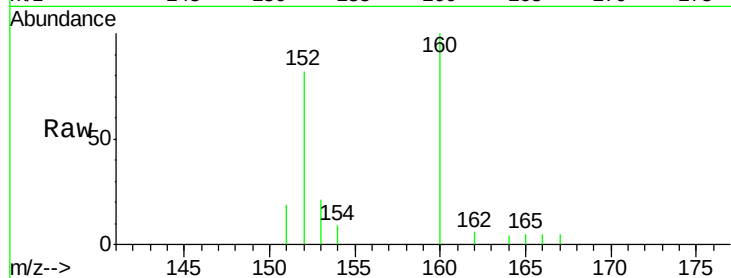
Tgt Ion:152 Resp: 1612

Ion Ratio Lower Upper

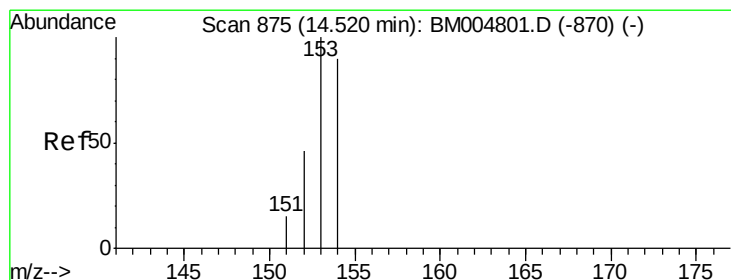
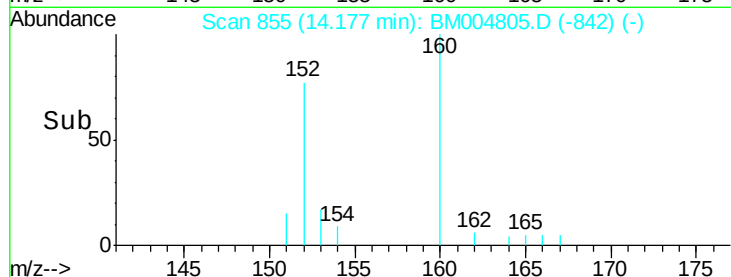
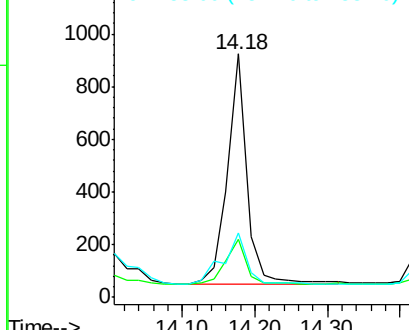
152 100

151 23.7 17.6 26.4

153 26.2 9.7 14.5#



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



#10

Acenaphthene

Concen: 1.45 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004805.D

Acq: 28 Mar 2016 14:07

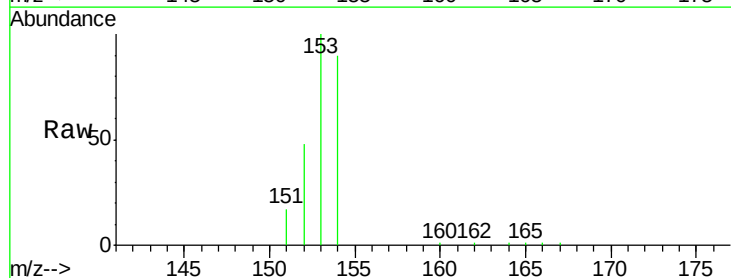
Tgt Ion:153 Resp: 11461

Ion Ratio Lower Upper

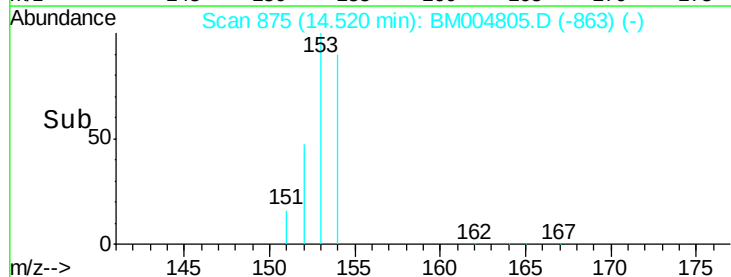
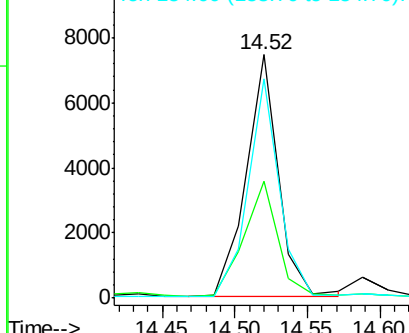
153 100

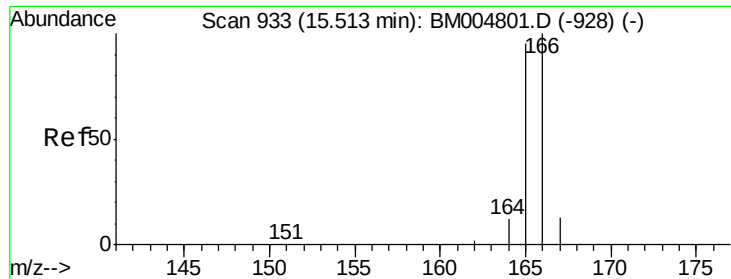
152 47.8 33.9 50.9

154 89.9 80.6 121.0



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

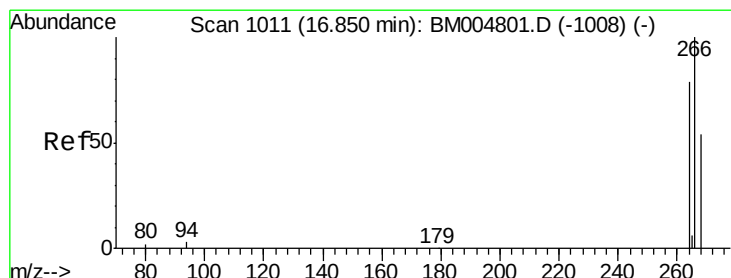
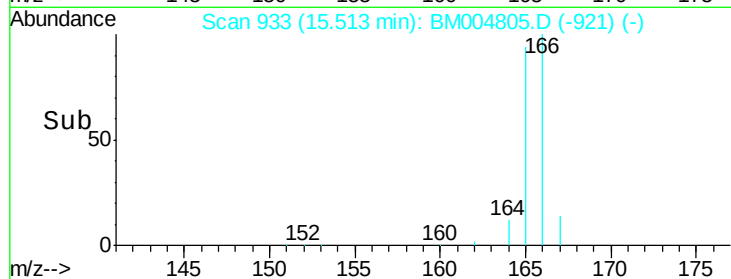
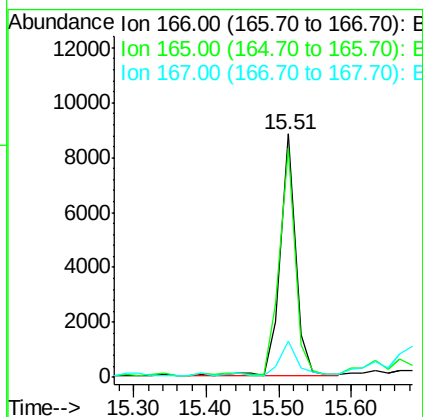
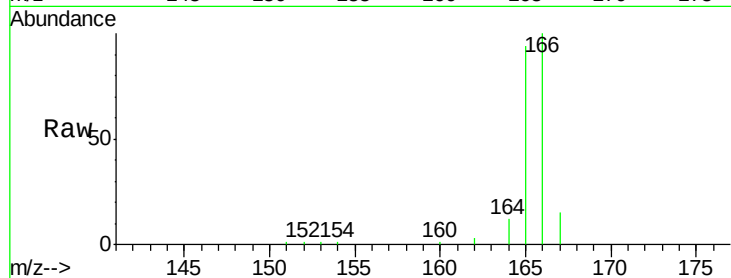




#11
 Fluorene
 Concen: 1.38 ng/ul
 RT: 15.51 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: BM004805.D
 Acq: 28 Mar 2016 14:07

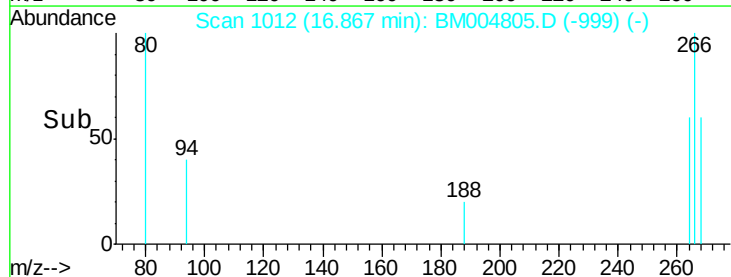
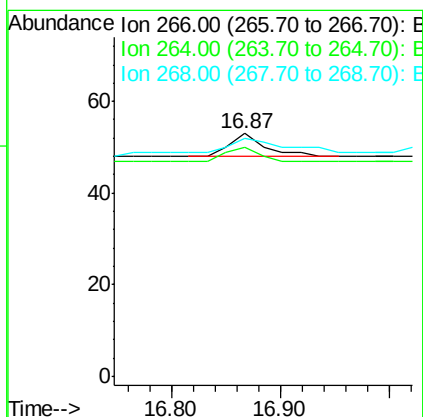
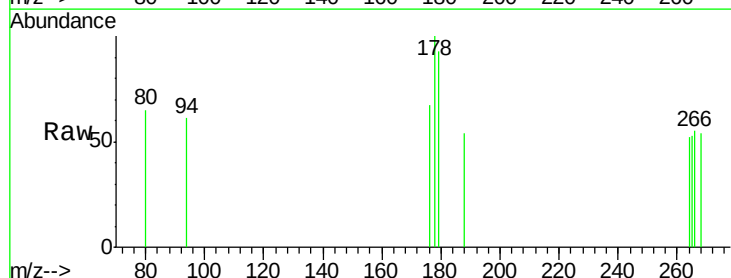
Instrument :
 BNA_M
 ClientSampleId :
 A4T51DL

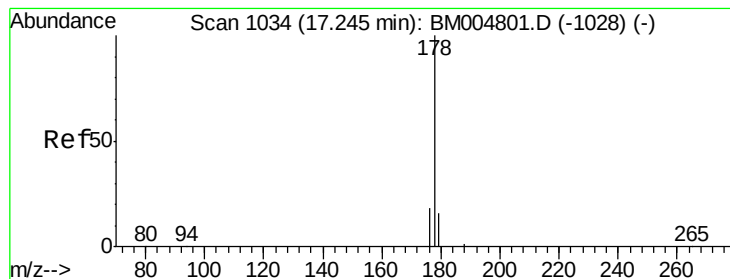
Tgt Ion:166 Resp: 13026
 Ion Ratio Lower Upper
 166 100
 165 94.1 69.6 104.4
 167 15.1 11.9 17.9



#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. 0.02 min
 Lab File: BM004805.D
 Acq: 28 Mar 2016 14:07

Tgt Ion:266 Resp: 11
 Ion Ratio Lower Upper
 266 100
 264 54.5 51.8 77.8
 268 127.3 46.8 70.2#





#14

Phenanthrene

Concen: 12.66 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM004805.D

Acq: 28 Mar 2016 14:07

Instrument :

BNA_M

ClientSampleId :

A4T51DL

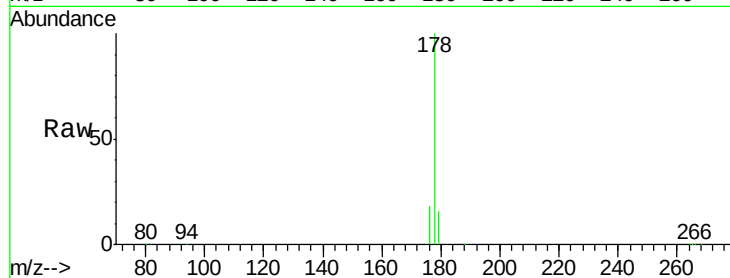
Tgt Ion:178 Resp: 194608

Ion Ratio Lower Upper

178 100

176 17.8 13.0 19.4

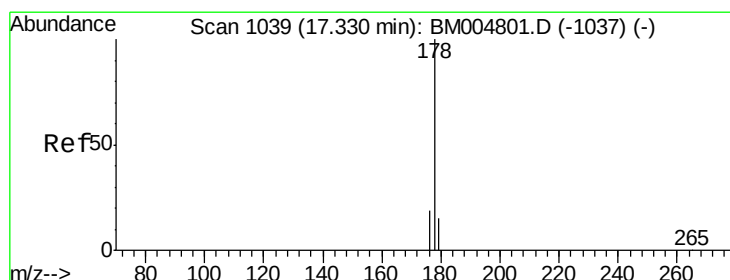
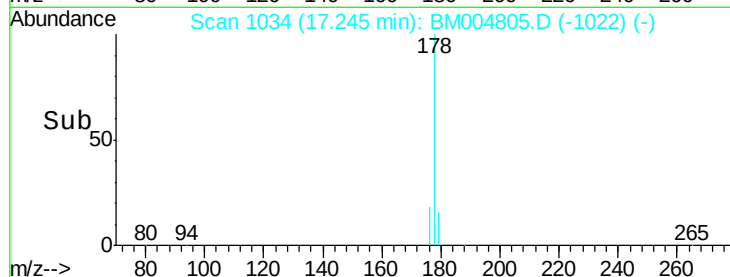
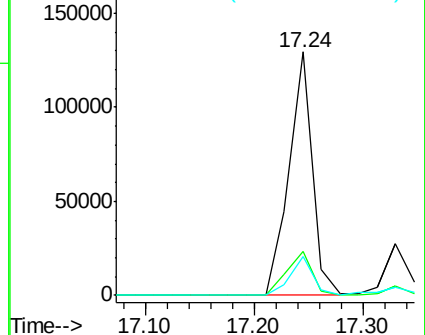
179 16.1 14.2 21.2



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

Anthracene

Concen: 2.86 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM004805.D

Acq: 28 Mar 2016 14:07

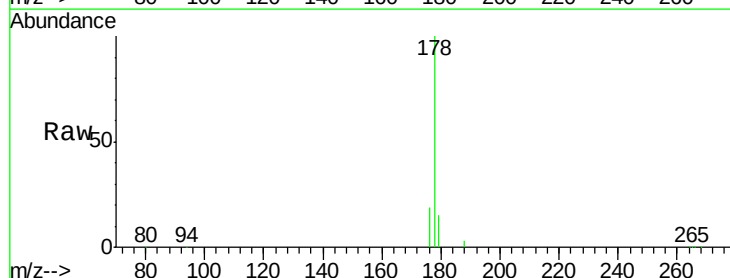
Tgt Ion:178 Resp: 41458

Ion Ratio Lower Upper

178 100

176 19.0 14.0 21.0

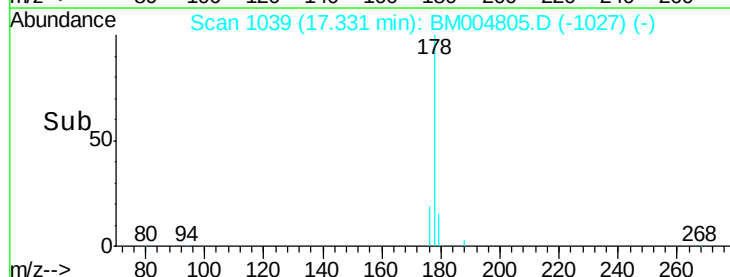
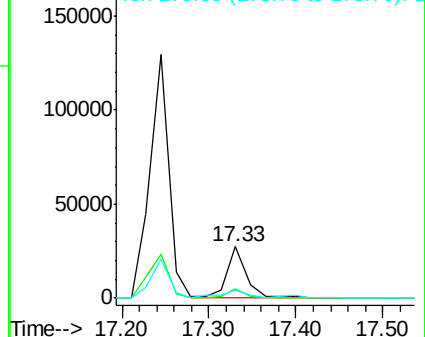
179 15.3 12.9 19.3

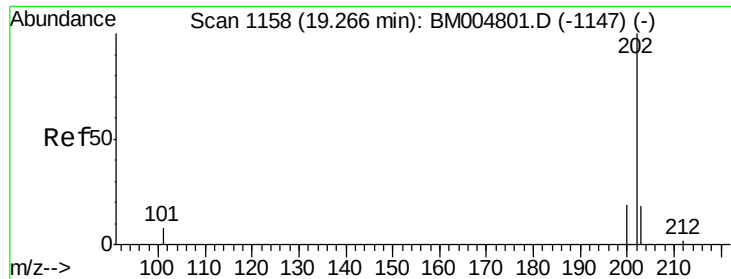


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

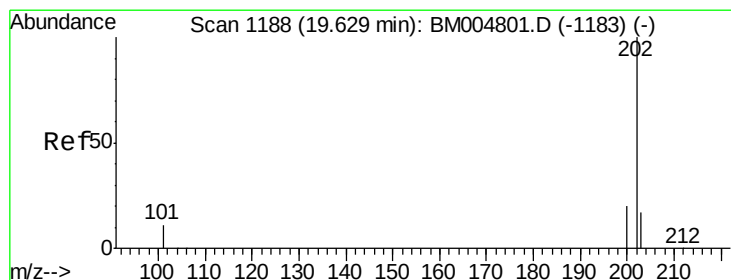
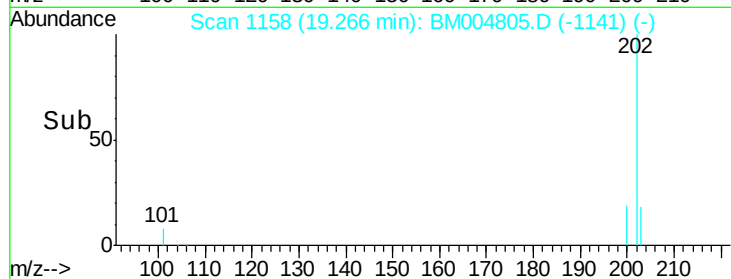
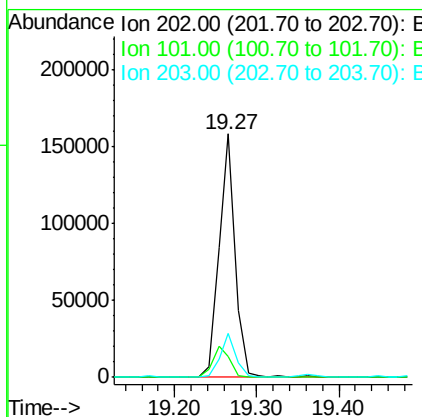
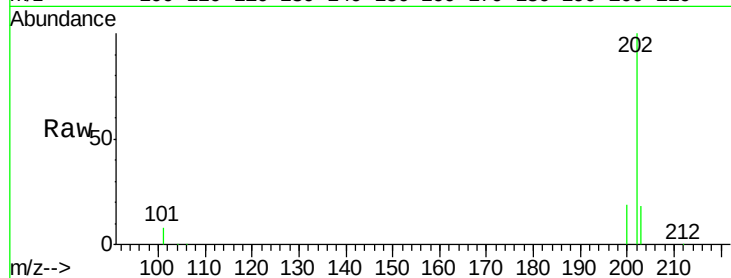




#17
Fluoranthene
 Concen: 12.37 ng/ul
 RT: 19.27 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: BM004805.D
 Acq: 28 Mar 2016 14:07

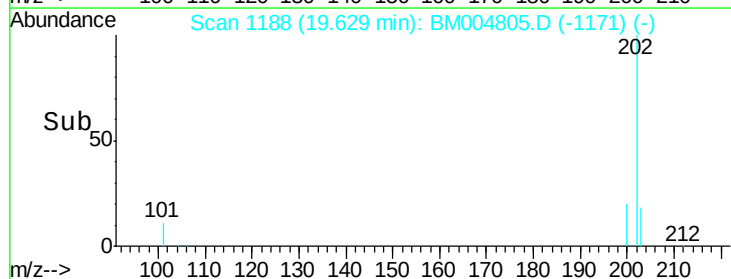
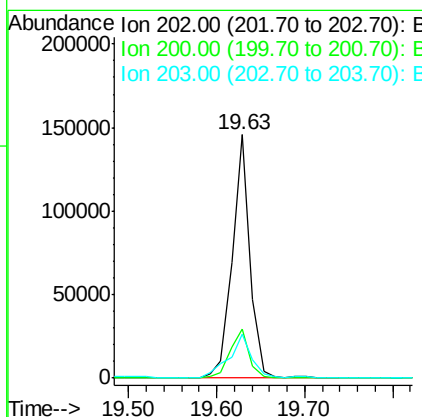
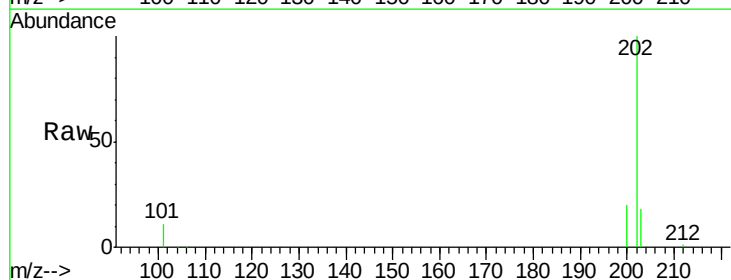
Instrument :
 BNA_M
 ClientSampleId :
 A4T51DL

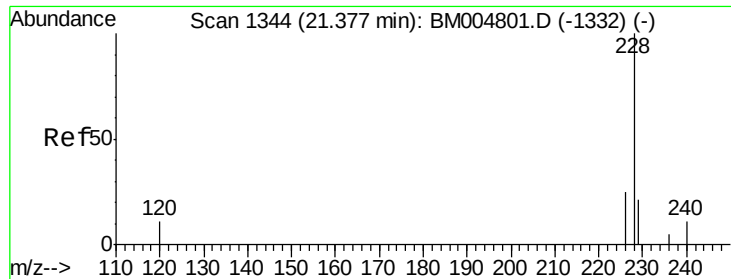
Tgt Ion:202 Resp: 216460
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 29.6
 203 17.9 0.0 36.3



#19
Pyrene
 Concen: 10.11 ng/ul
 RT: 19.63 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: BM004805.D
 Acq: 28 Mar 2016 14:07

Tgt Ion:202 Resp: 205110
 Ion Ratio Lower Upper
 202 100
 200 20.2 17.8 26.8
 203 17.9 12.8 19.2





#20

Benzo(a)anthracene

Concen: 5.30 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BM004805.D

Acq: 28 Mar 2016 14:07

Instrument :

BNA_M

ClientSampleId :

A4T51DL

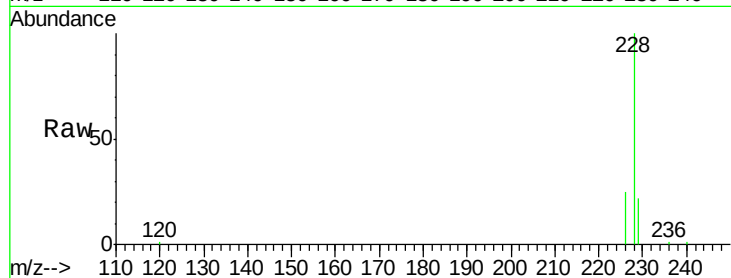
Tgt Ion:228 Resp: 96472

Ion Ratio Lower Upper

228 100

226 24.8 18.8 28.2

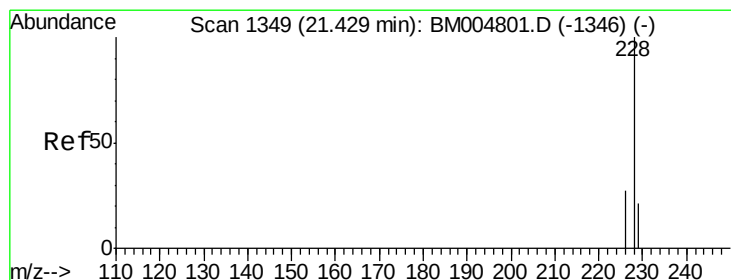
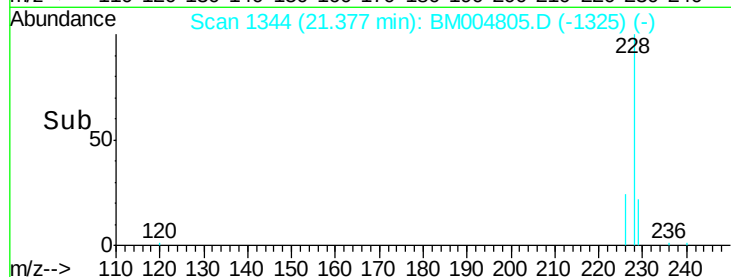
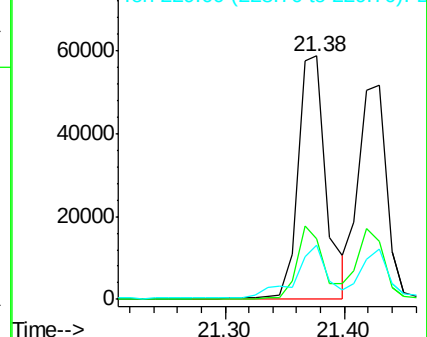
229 22.3 17.1 25.7



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



#21

Chrysene

Concen: 4.73 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BM004805.D

Acq: 28 Mar 2016 14:07

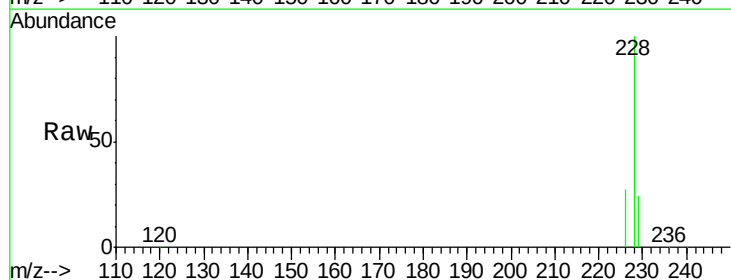
Tgt Ion:228 Resp: 83238

Ion Ratio Lower Upper

228 100

226 27.0 21.2 31.8

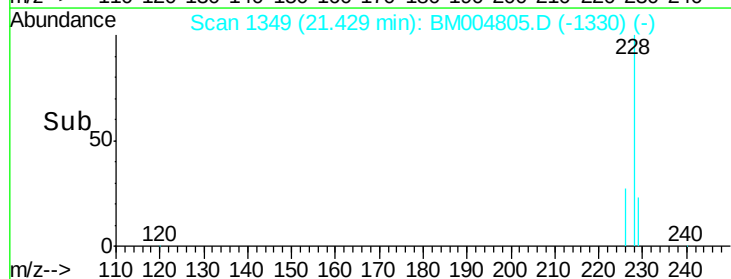
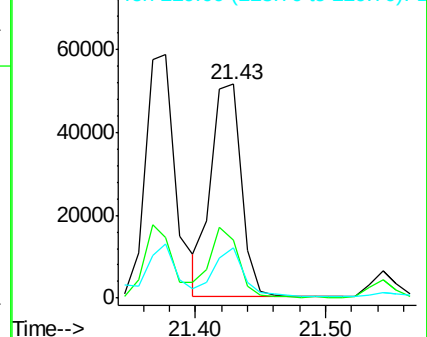
229 23.6 17.0 25.6

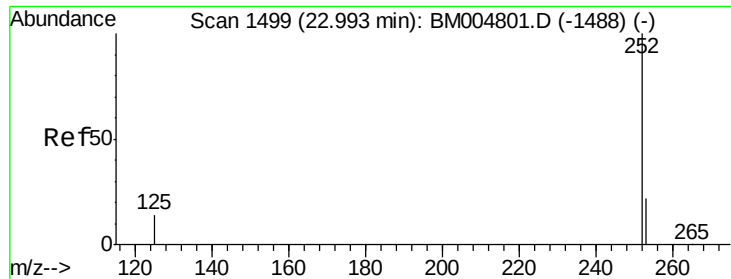


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 6.64 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BM004805.D

Acq: 28 Mar 2016 14:07

Instrument :

BNA_M

ClientSampleId :

A4T51DL

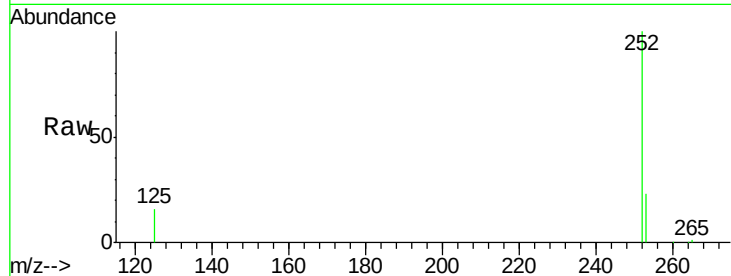
Tgt Ion:252 Resp: 126372

Ion Ratio Lower Upper

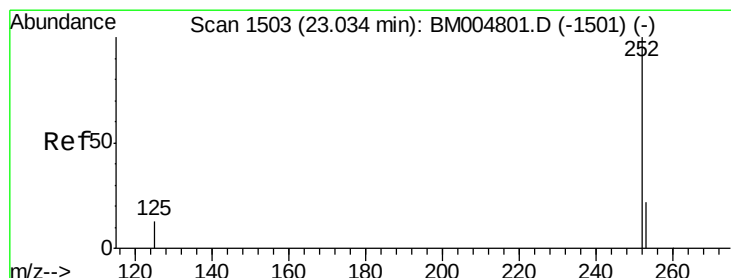
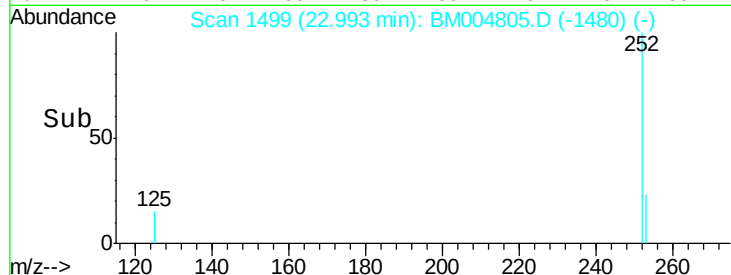
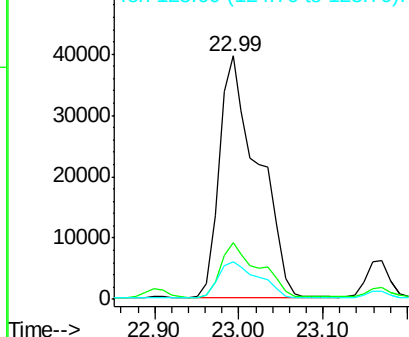
252 100

253 23.1 0.0 45.4

125 15.5 0.0 28.8



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

Benzo(k)fluoranthene

Concen: 7.16 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. -0.04 min

Lab File: BM004805.D

Acq: 28 Mar 2016 14:07

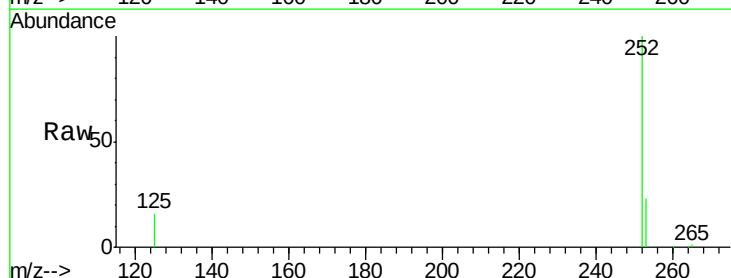
Tgt Ion:252 Resp: 126372

Ion Ratio Lower Upper

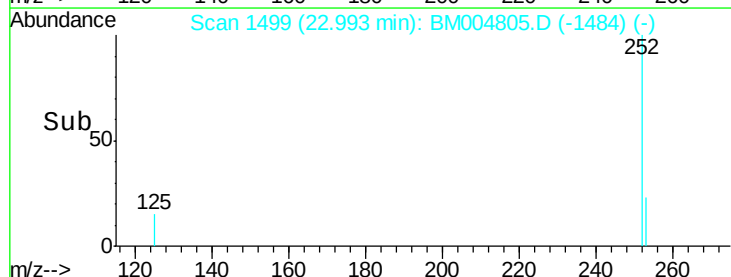
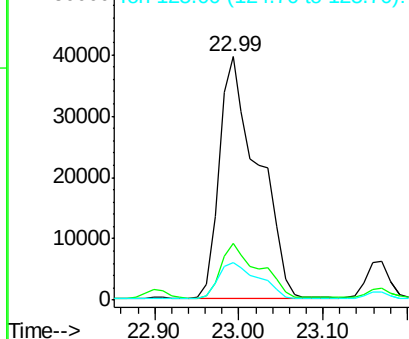
252 100

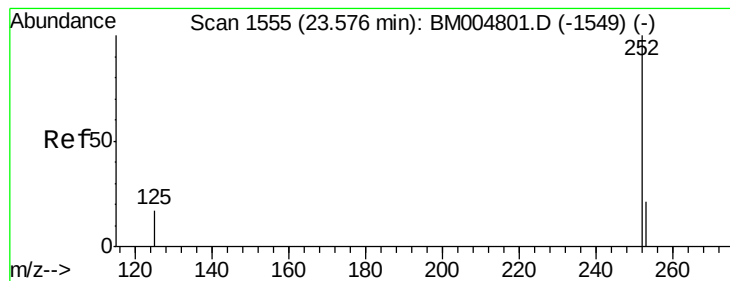
253 23.1 19.8 29.8

125 15.5 10.4 15.6



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





#25

Benzo(a)pyrene

Concen: 3.99 ng/ul

RT: 23.58 min Scan# 1555

Delta R.T. 0.00 min

Lab File: BM004805.D

Acq: 28 Mar 2016 14:07

Instrument :

BNA_M

ClientSampleId :

A4T51DL

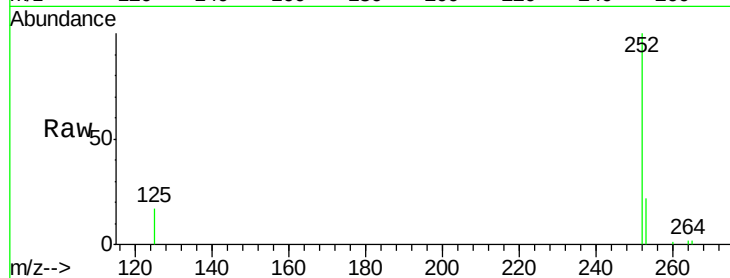
Tgt Ion:252 Resp: 69403

Ion Ratio Lower Upper

252 100

253 22.2 19.4 29.2

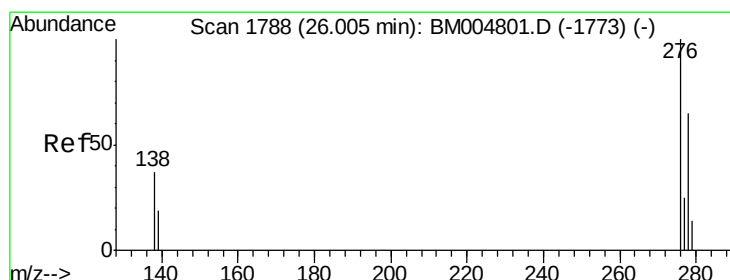
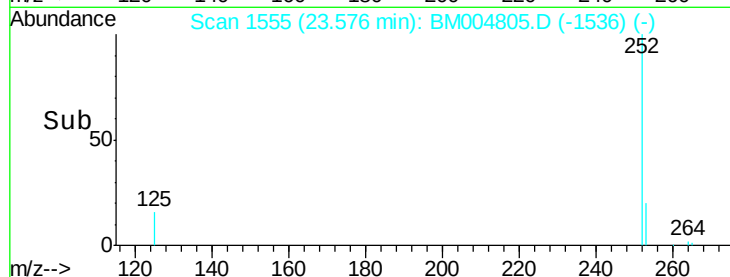
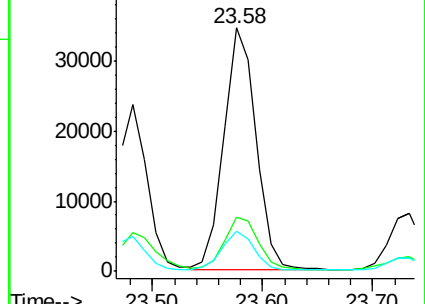
125 16.7 12.7 19.1



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 2.14 ng/ul

RT: 26.01 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BM004805.D

Acq: 28 Mar 2016 14:07

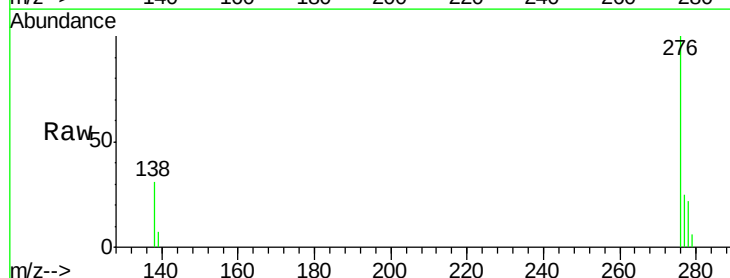
Tgt Ion:276 Resp: 34442

Ion Ratio Lower Upper

276 100

138 32.0 16.3 24.5#

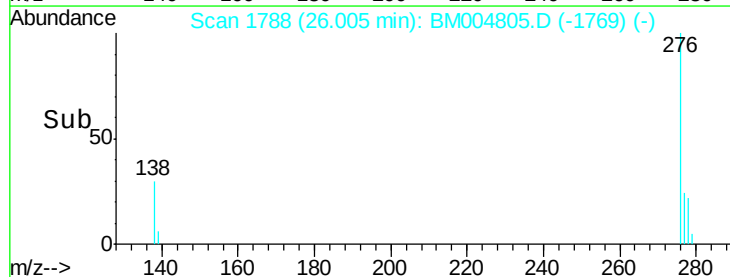
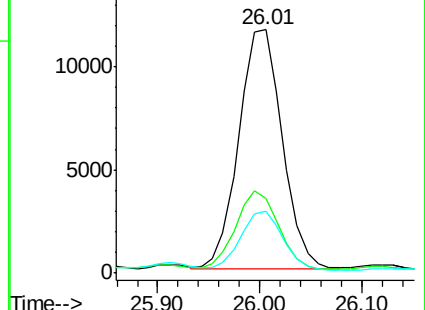
277 24.1 19.8 29.8

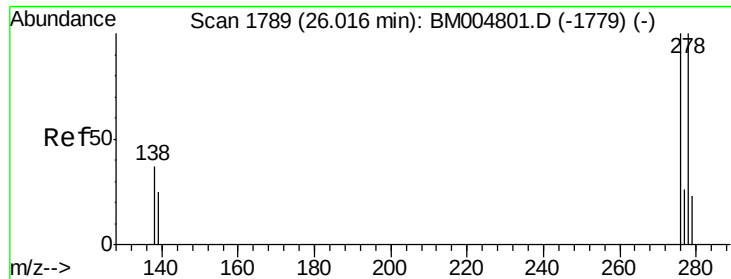


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

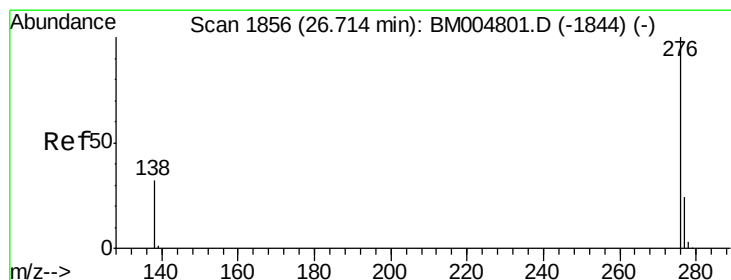
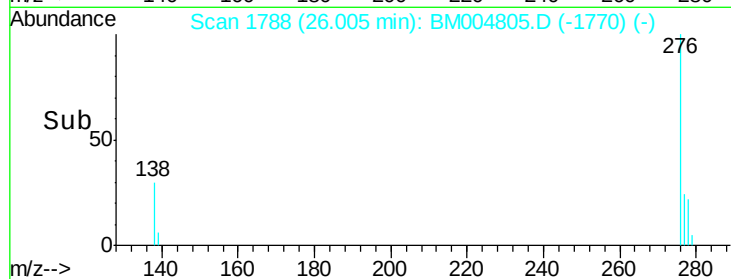
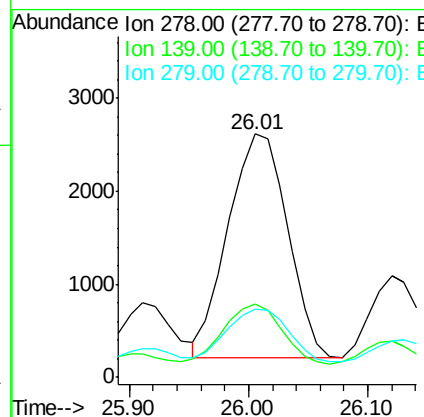
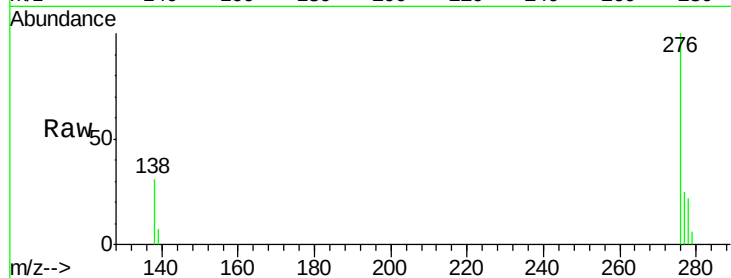




#27
Dibenzo(a,h)anthracene
Concen: 0.65 ng/ul
RT: 26.01 min Scan# 1788
Delta R.T. -0.01 min
Lab File: BM004805.D
Acq: 28 Mar 2016 14:07

Instrument :
BNA_M
ClientSampleId :
A4T51DL

Tgt Ion: 278 Resp: 8292
Ion Ratio Lower Upper
278 100
139 30.2 16.4 24.6#
279 28.2 20.2 30.2



#28
Benzo(g,h,i)perylene
Concen: 2.33 ng/ul
RT: 26.71 min Scan# 1856
Delta R.T. 0.00 min
Lab File: BM004805.D
Acq: 28 Mar 2016 14:07

Tgt Ion: 276 Resp: 31064
Ion Ratio Lower Upper
276 100
277 24.3 18.9 28.3
138 32.8 22.5 33.7

