

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032816\
 Data File : BM004812.D
 Acq On : 28 Mar 2016 19:53
 Operator : UM/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.446

Quant Time: Mar 29 03:09:18 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	1845	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	7915	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	4291	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	9418	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	8538	5.00	ng/ul	0.00
22) Perylene-d12	23.69	264	6197	5.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	1663	2.00	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	4041	0.37	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	8647	0.39	ng/ul	0.00

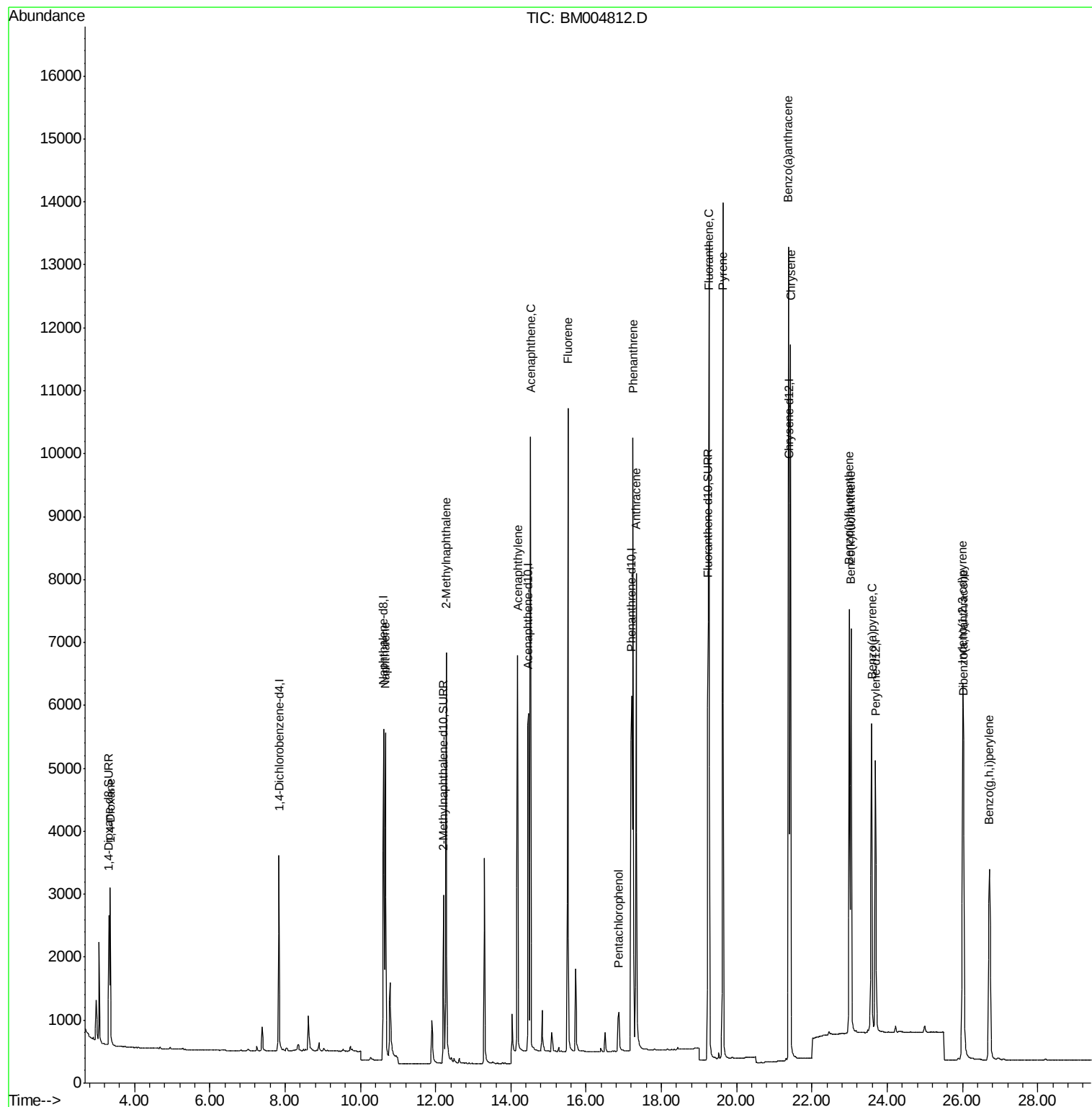
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.35	88	2028	2.00	ng/ul#	24
5) Naphthalene	10.67	128	7570	0.40	ng/ul	97
7) 2-Methylnaphthalene	12.28	142	5288	0.39	ng/ul	98
9) Acenaphthylene	14.18	152	7848	0.40	ng/ul	94
10) Acenaphthene	14.52	153	5883	0.42	ng/ul	90
11) Fluorene	15.51	166	6708	0.40	ng/ul	92
13) Pentachlorophenol	16.87	266	676	0.29	ng/ul	96
14) Phenanthrene	17.24	178	11014	0.42	ng/ul	95
15) Anthracene	17.33	178	9612	0.38	ng/ul	95
17) Fluoranthene	19.27	202	12178	0.40	ng/ul	97
19) Pyrene	19.63	202	12565	0.43	ng/ul	98
20) Benzo(a)anthracene	21.38	228	10356	0.39	ng/ul	96
21) Chrysene	21.43	228	10666	0.42	ng/ul	96
23) Benzo(b)fluoranthene	22.99	252	9175	0.44	ng/ul	97
24) Benzo(k)fluoranthene	23.03	252	8377	0.43	ng/ul#	94
25) Benzo(a)pyrene	23.59	252	7898	0.41	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	26.01	276	7401	0.42	ng/ul#	83
27) Dibenzo(a,h)anthracene	26.03	278	5854	0.42	ng/ul#	93
28) Benzo(g,h,i)perylene	26.71	276	6283	0.43	ng/ul#	91

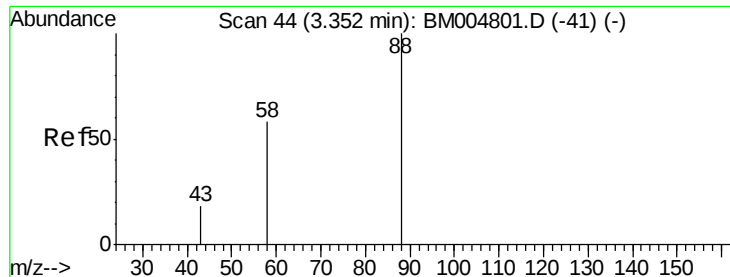
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.00 ng/ul

RT: 3.35 min Scan# 44

Delta R.T. 0.00 min

Lab File: BM004812.D

Acq: 28 Mar 2016 19:53

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

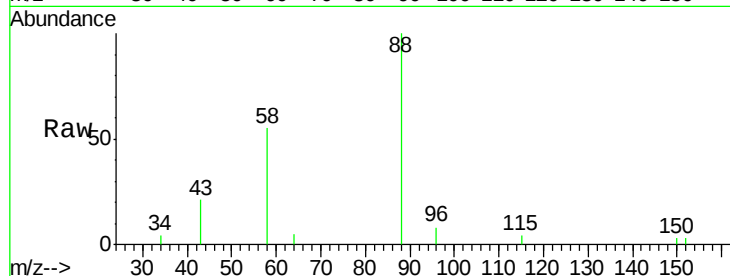
Tgt Ion: 88 Resp: 2028

Ion Ratio Lower Upper

88 100

58 56.8 8.0 12.0#

43 19.8 8.0 12.0#

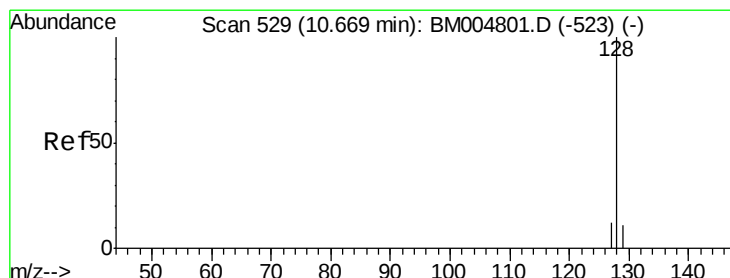
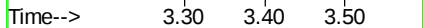
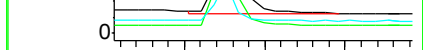
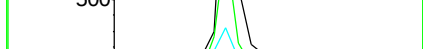
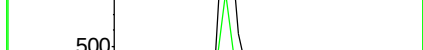
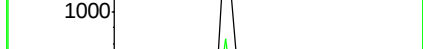
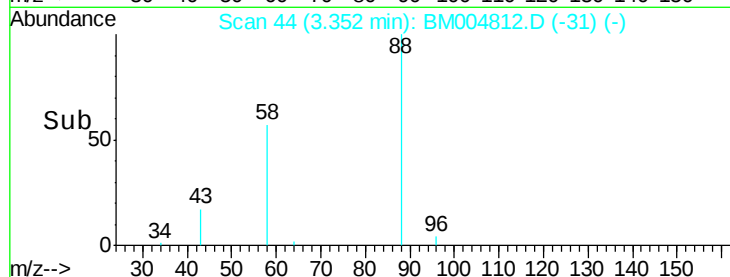


Abundance Ion 88.00 (87.70 to 88.70): BM004801.D (-41) (-)

Ion 58.00 (57.70 to 58.70): BM004801.D (-41) (-)

Ion 43.00 (42.70 to 43.70): BM004801.D (-41) (-)

Time-->



#5

Naphthalene

Concen: 0.40 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004812.D

Acq: 28 Mar 2016 19:53

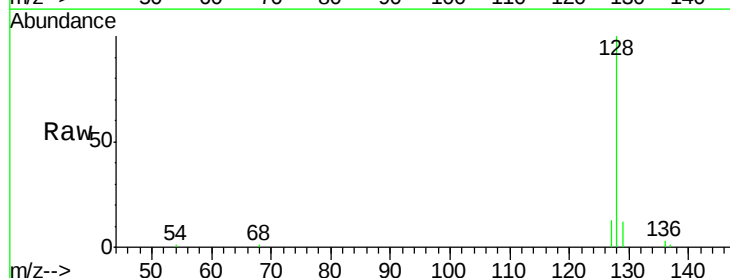
Tgt Ion: 128 Resp: 7570

Ion Ratio Lower Upper

128 100

129 12.1 9.0 13.6

127 13.4 9.6 14.4

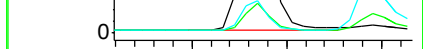
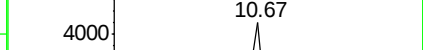
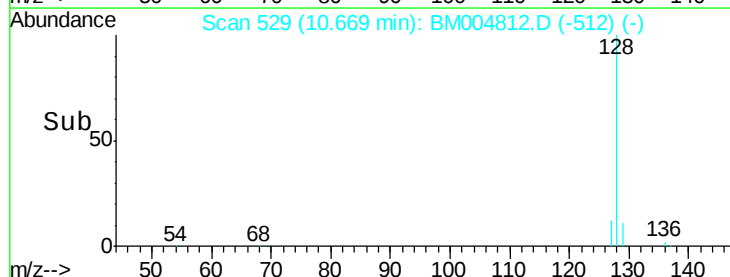


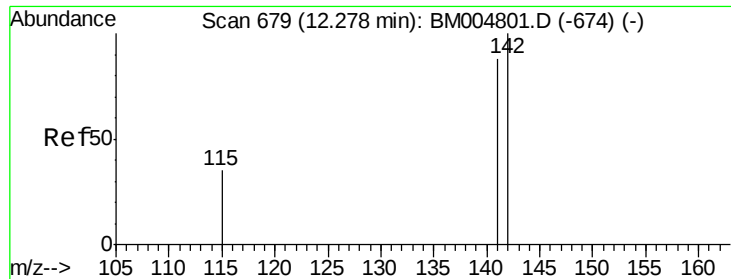
Abundance Ion 128.00 (127.70 to 128.70): BM004801.D (-523) (-)

Ion 129.00 (128.70 to 129.70): BM004801.D (-523) (-)

Ion 127.00 (126.70 to 127.70): BM004801.D (-523) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.39 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004812.D

Acq: 28 Mar 2016 19:53

Instrument :

BNA_M

ClientSampleId :

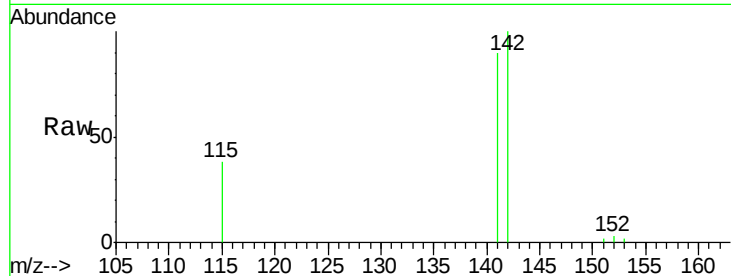
SSTD0.446

Tgt Ion:142 Resp: 5288

Ion Ratio Lower Upper

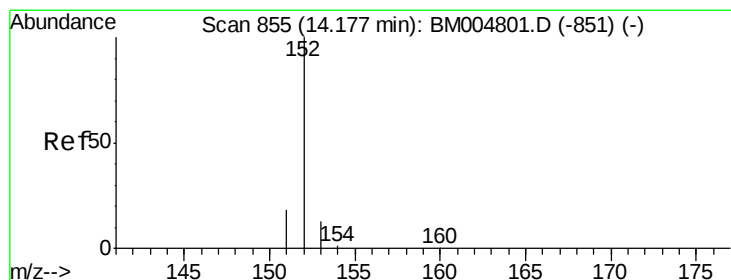
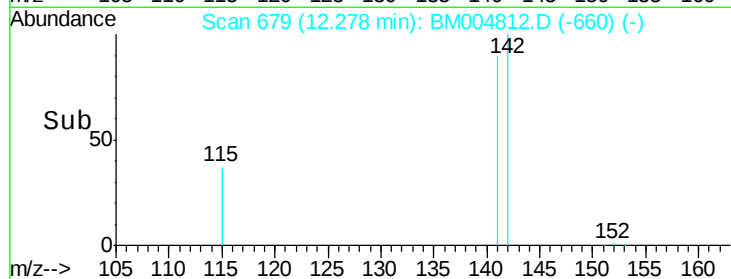
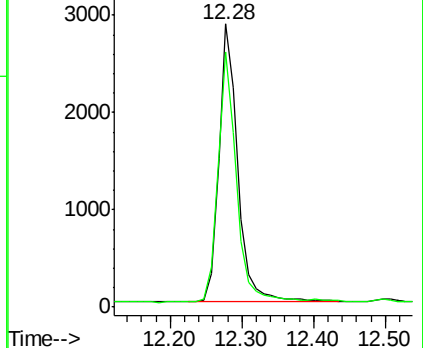
142 100

141 89.6 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: 0.40 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004812.D

Acq: 28 Mar 2016 19:53

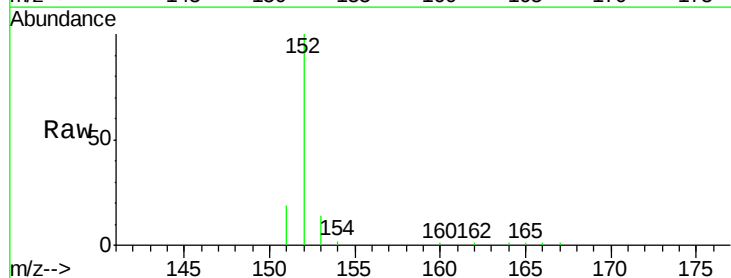
Tgt Ion:152 Resp: 7848

Ion Ratio Lower Upper

152 100

151 18.9 17.6 26.4

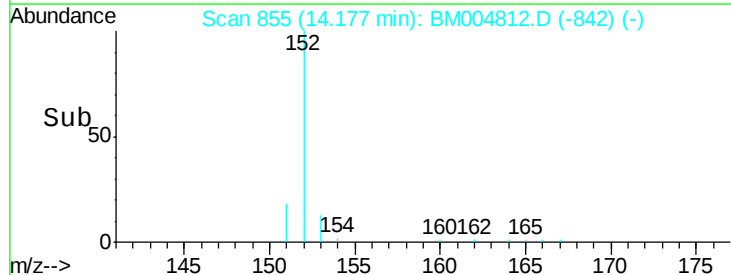
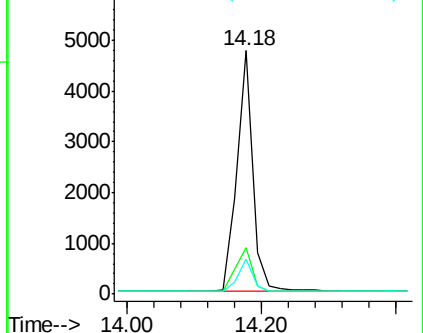
153 14.2 9.7 14.5

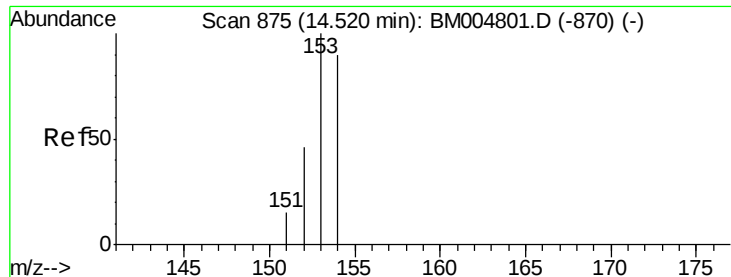


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.42 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004812.D

Acq: 28 Mar 2016 19:53

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

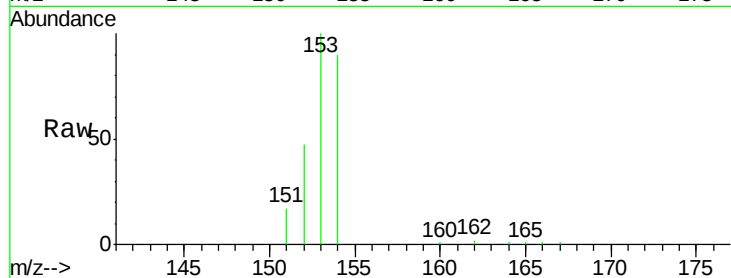
Tgt Ion:153 Resp: 5883

Ion Ratio Lower Upper

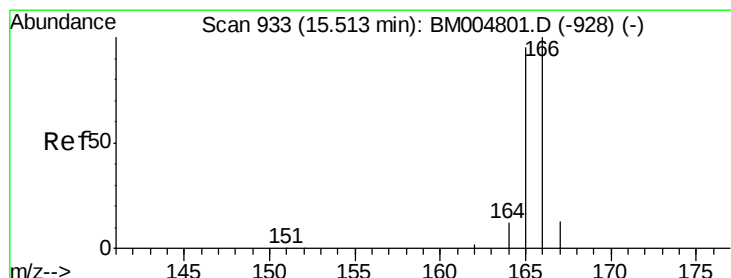
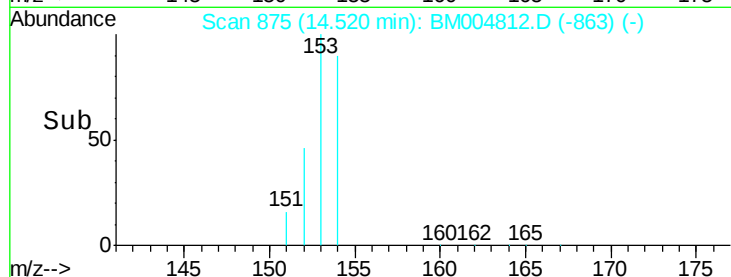
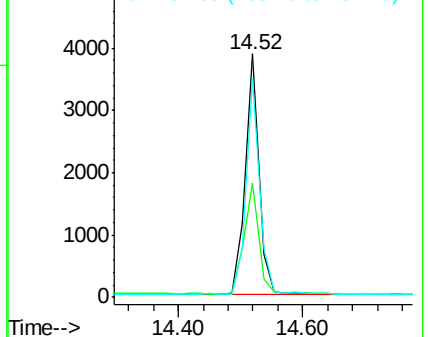
153 100

152 47.2 33.9 50.9

154 90.0 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: 0.40 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. 0.00 min

Lab File: BM004812.D

Acq: 28 Mar 2016 19:53

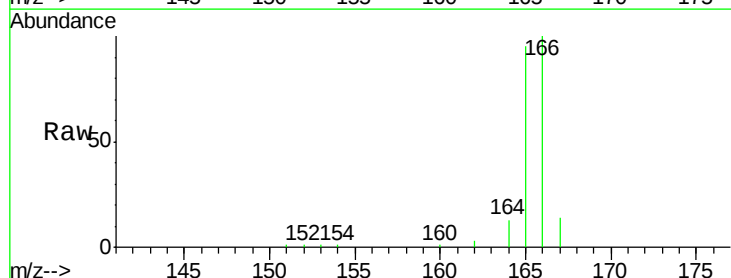
Tgt Ion:166 Resp: 6708

Ion Ratio Lower Upper

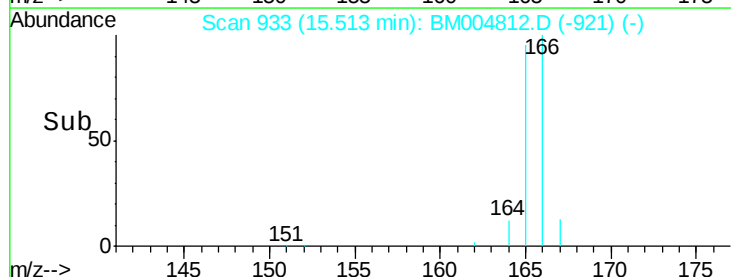
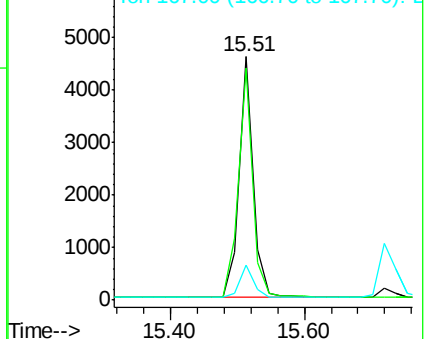
166 100

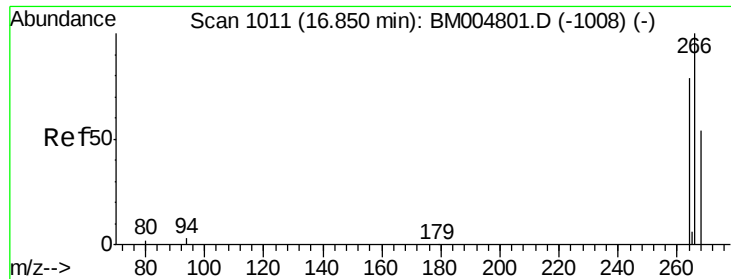
165 95.3 69.6 104.4

167 14.3 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

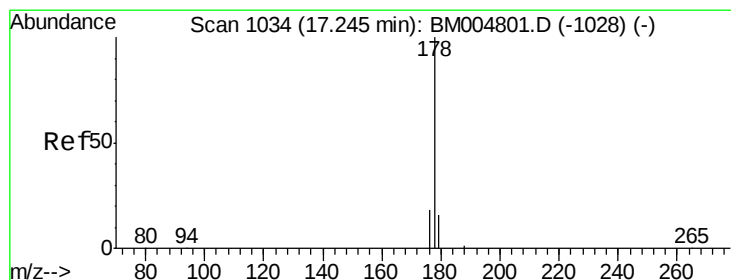
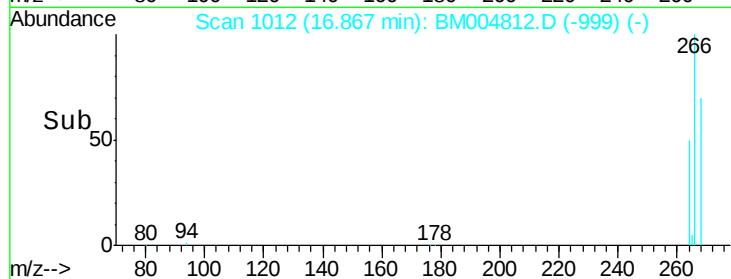
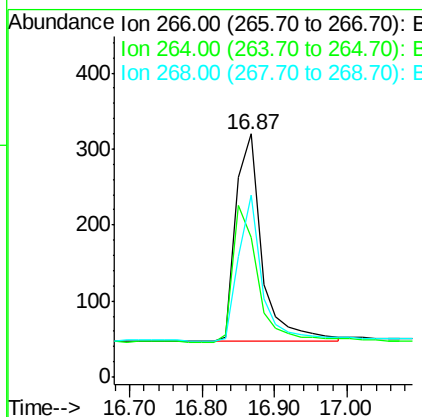
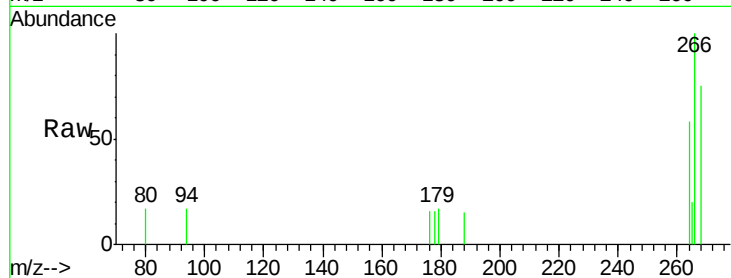




#13
 Pentachlorophenol
 Concen: 0.29 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. 0.02 min
 Lab File: BM004812.D
 Acq: 28 Mar 2016 19:53

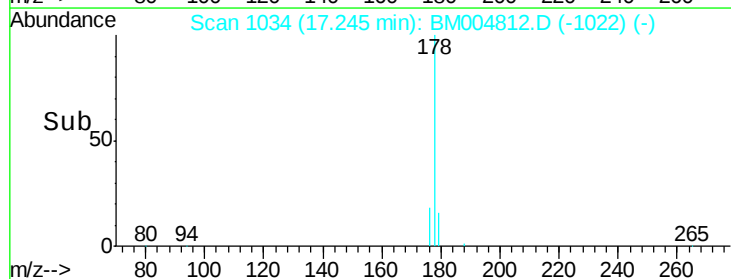
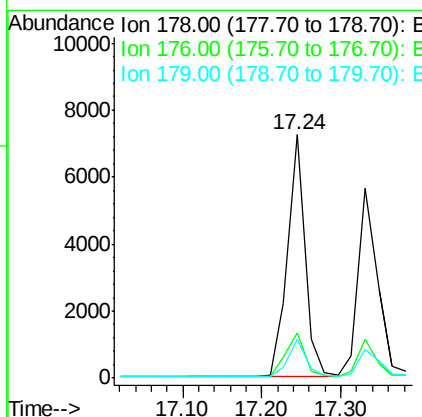
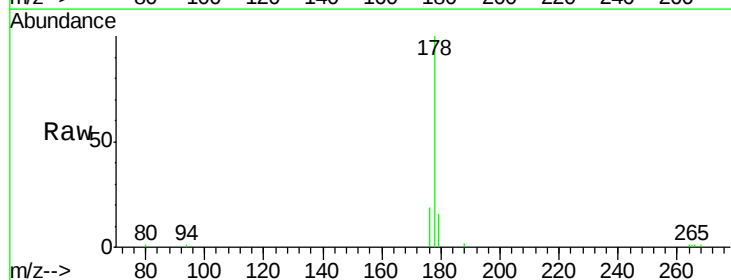
Instrument :
 BNA_M
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 SST0.446

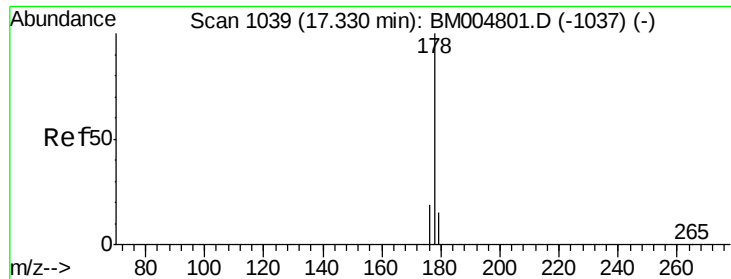
Tgt Ion: 266 Resp: 676
 Ion Ratio Lower Upper
 266 100
 264 62.6 51.8 77.8
 268 63.2 46.8 70.2



#14
 Phenanthrene
 Concen: 0.42 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: BM004812.D
 Acq: 28 Mar 2016 19:53

Tgt Ion: 178 Resp: 11014
 Ion Ratio Lower Upper
 178 100
 176 18.7 13.0 19.4
 179 16.1 14.2 21.2





#15

Anthracene

Concen: 0.38 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM004812.D

Acq: 28 Mar 2016 19:53

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

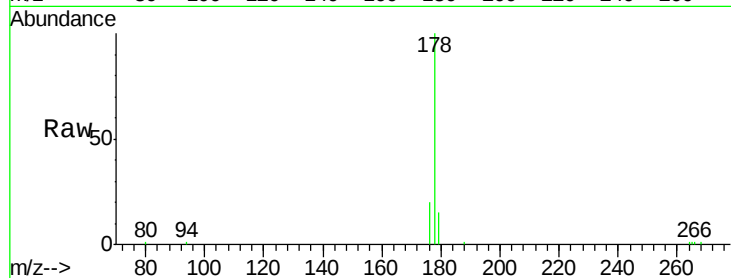
Tgt Ion:178 Resp: 9612

Ion Ratio Lower Upper

178 100

176 20.4 14.0 21.0

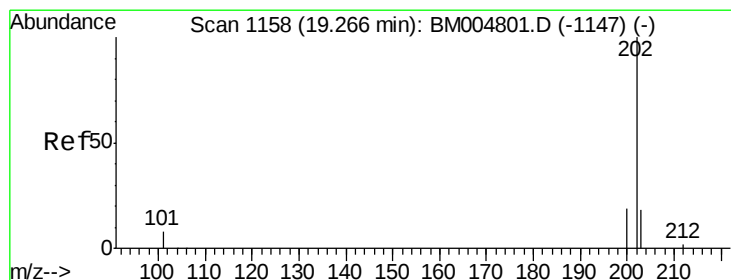
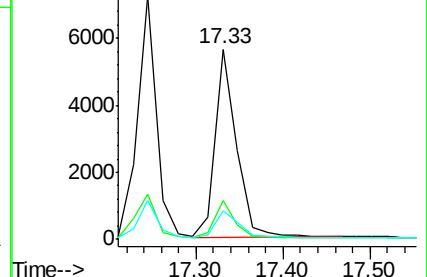
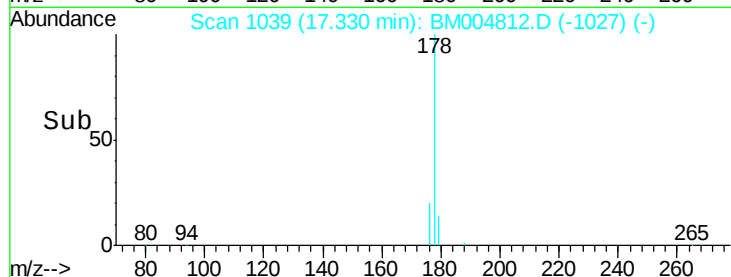
179 15.2 12.9 19.3



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: 0.40 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BM004812.D

Acq: 28 Mar 2016 19:53

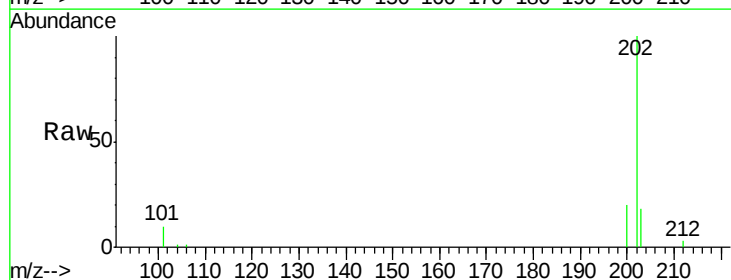
Tgt Ion:202 Resp: 12178

Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.6

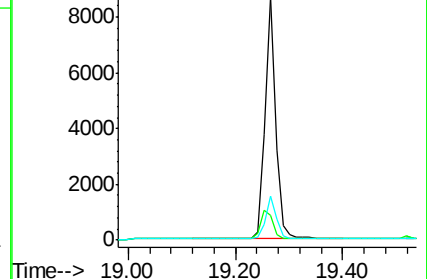
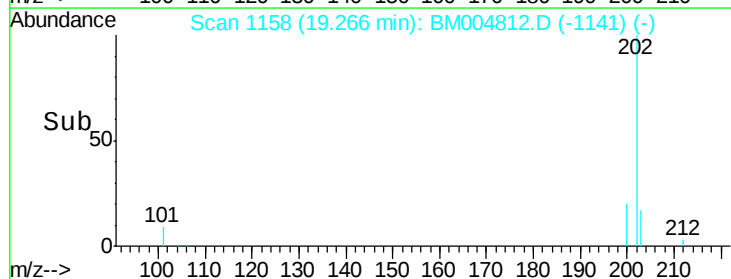
203 17.8 0.0 36.3

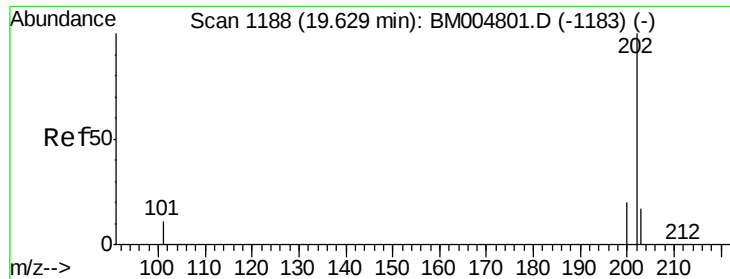


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.43 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BM004812.D

Acq: 28 Mar 2016 19:53

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

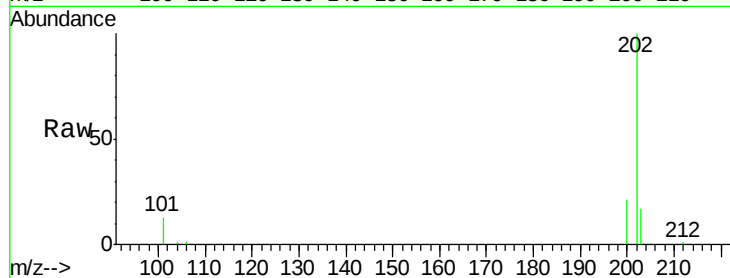
Tgt Ion:202 Resp: 12565

Ion Ratio Lower Upper

202 100

200 21.5 17.8 26.8

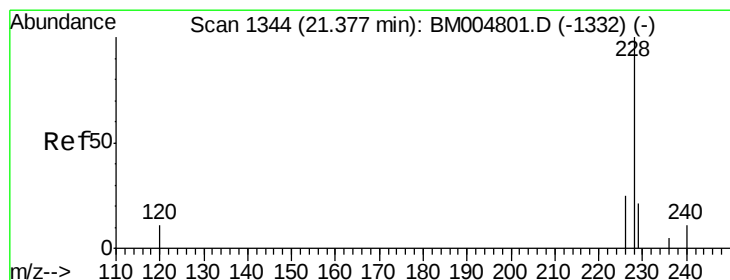
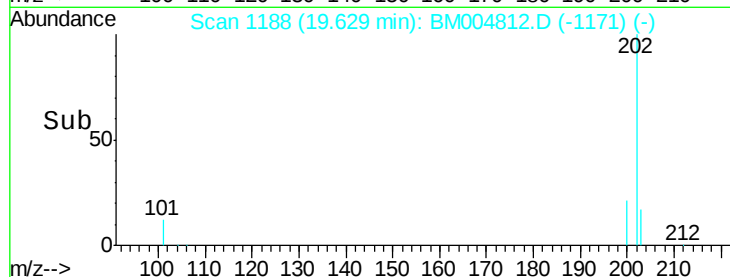
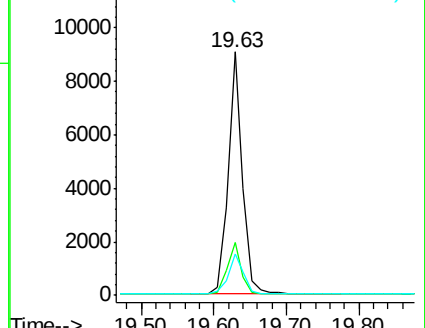
203 17.2 12.8 19.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#20

Benzo(a)anthracene

Concen: 0.39 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BM004812.D

Acq: 28 Mar 2016 19:53

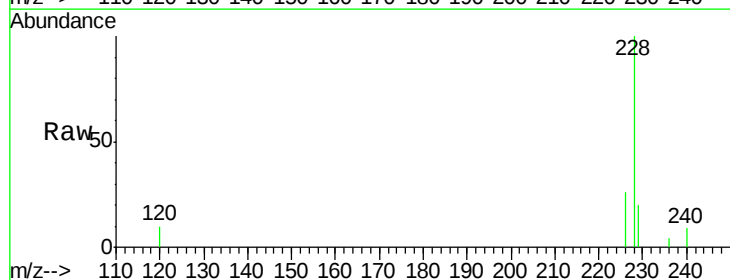
Tgt Ion:228 Resp: 10356

Ion Ratio Lower Upper

228 100

226 25.9 18.8 28.2

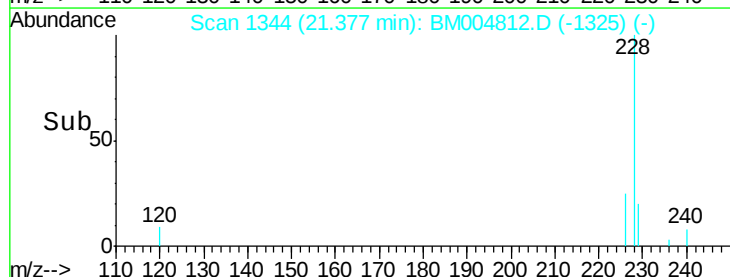
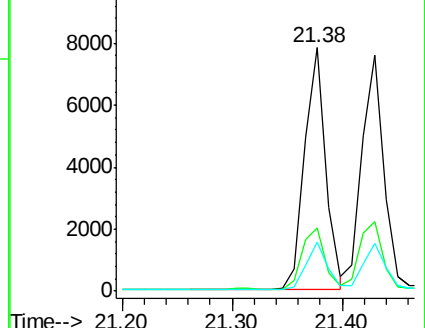
229 20.3 17.1 25.7

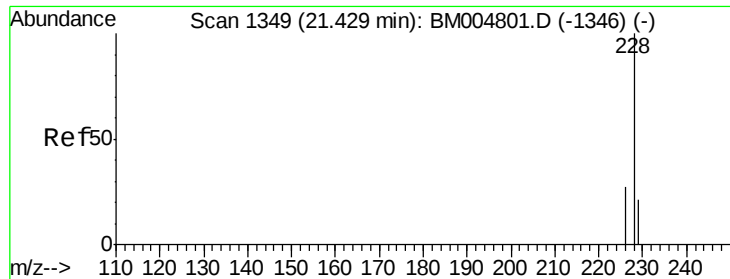


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.42 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BM004812.D

Acq: 28 Mar 2016 19:53

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

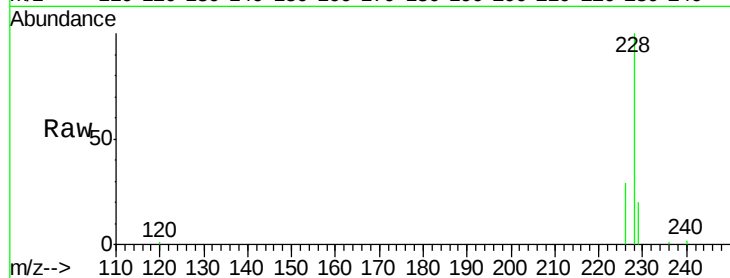
Tgt Ion:228 Resp: 10666

Ion Ratio Lower Upper

228 100

226 29.1 21.2 31.8

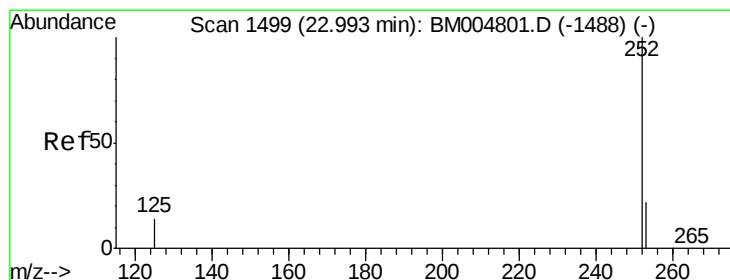
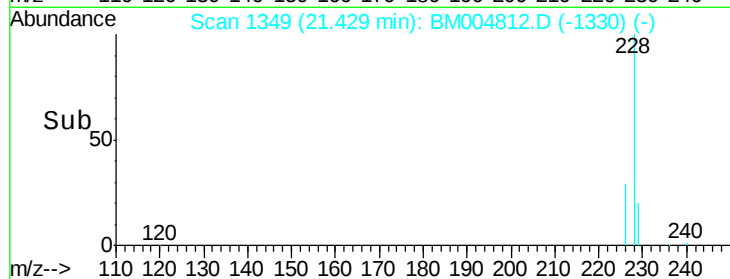
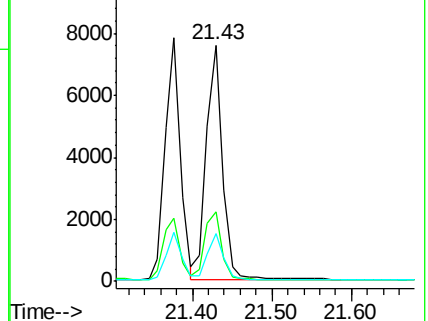
229 20.4 17.0 25.6



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: 0.44 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BM004812.D

Acq: 28 Mar 2016 19:53

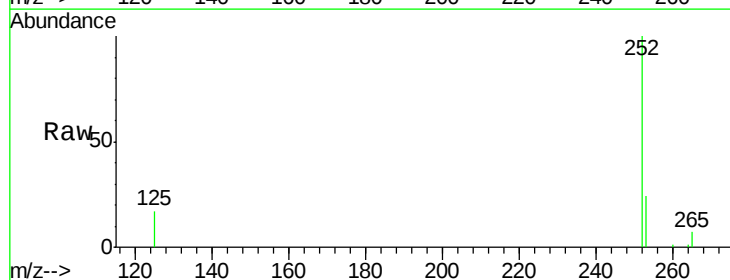
Tgt Ion:252 Resp: 9175

Ion Ratio Lower Upper

252 100

253 23.8 0.0 45.4

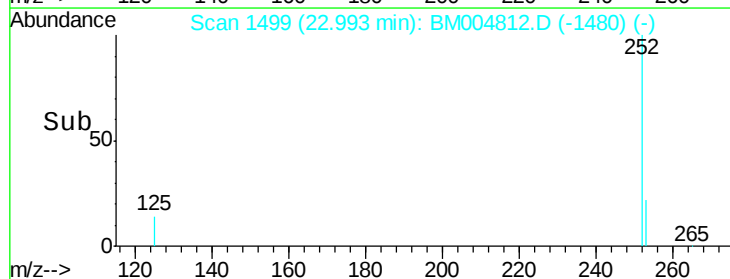
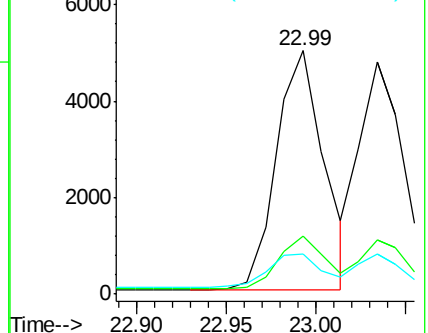
125 16.6 0.0 28.8

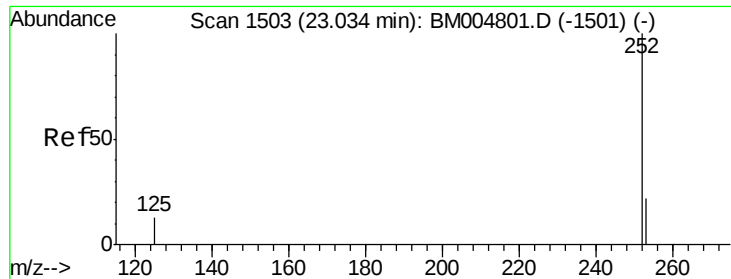


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.43 ng/ul

RT: 23.03 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BM004812.D

Acq: 28 Mar 2016 19:53

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

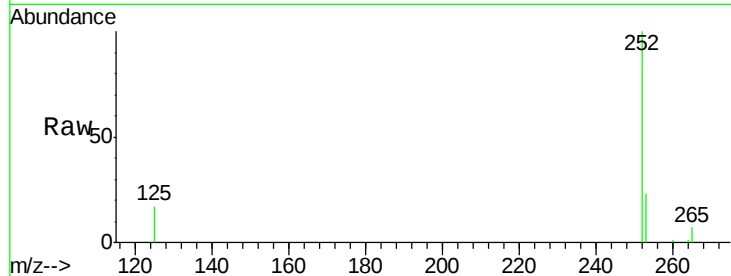
Tgt Ion:252 Resp: 8377

Ion Ratio Lower Upper

252 100

253 23.3 19.8 29.8

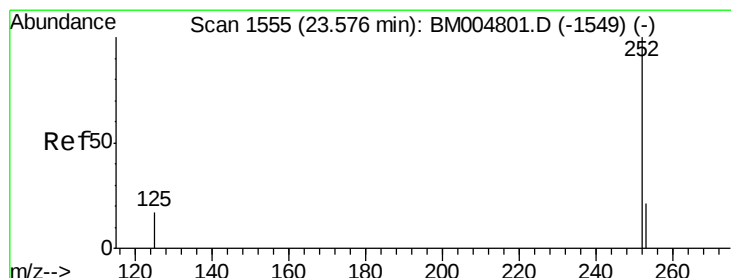
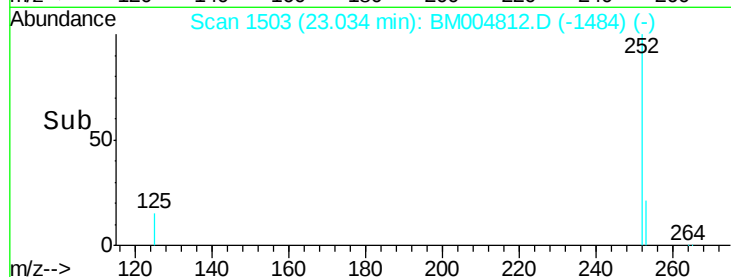
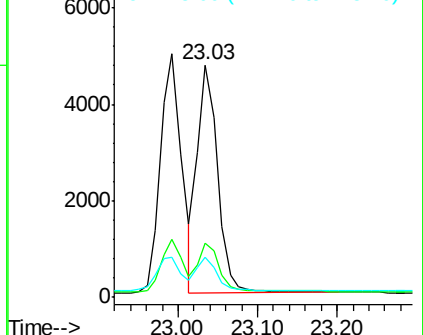
125 17.3 10.4 15.6#



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: 0.41 ng/ul

RT: 23.59 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BM004812.D

Acq: 28 Mar 2016 19:53

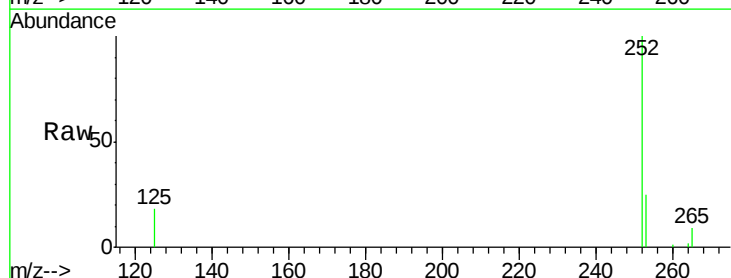
Tgt Ion:252 Resp: 7898

Ion Ratio Lower Upper

252 100

253 25.0 19.4 29.2

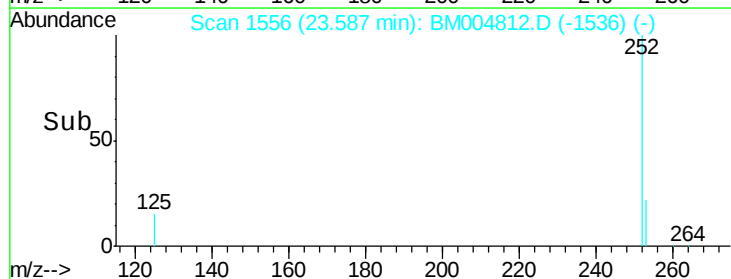
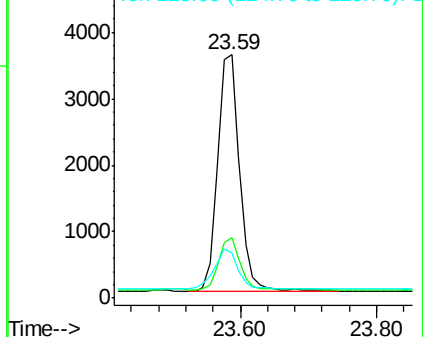
125 18.4 12.7 19.1

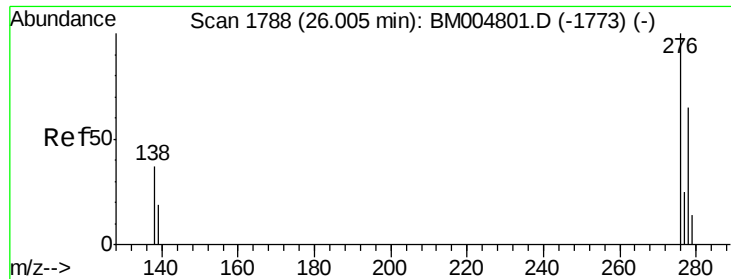


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.42 ng/ul

RT: 26.01 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BM004812.D

Acq: 28 Mar 2016 19:53

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

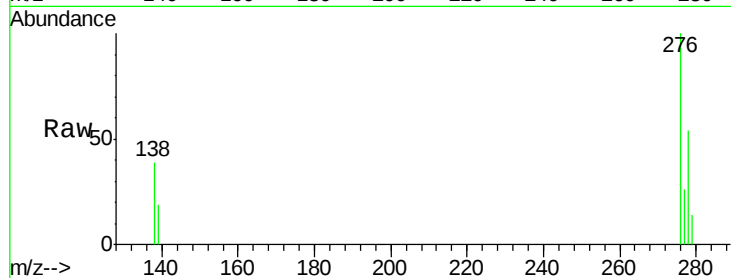
Tgt Ion:276 Resp: 7401

Ion Ratio Lower Upper

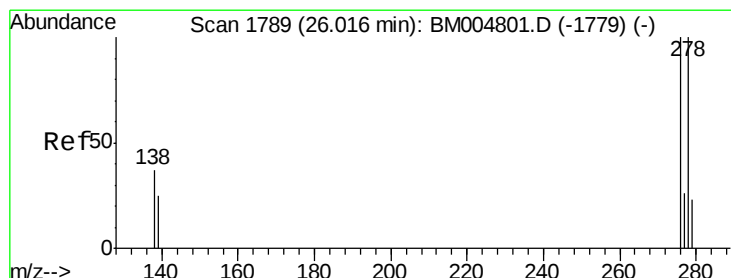
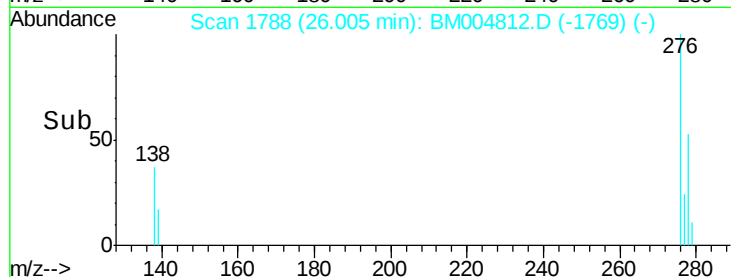
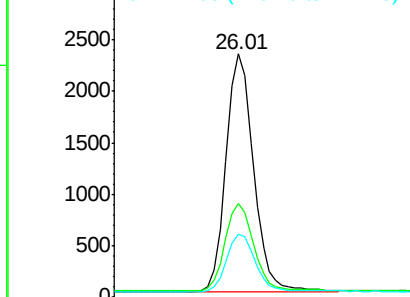
276 100

138 37.5 16.3 24.5#

277 25.1 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: 0.42 ng/ul

RT: 26.03 min Scan# 1790

Delta R.T. 0.01 min

Lab File: BM004812.D

Acq: 28 Mar 2016 19:53

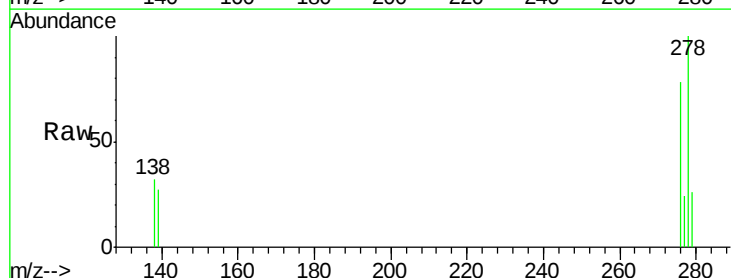
Tgt Ion:278 Resp: 5854

Ion Ratio Lower Upper

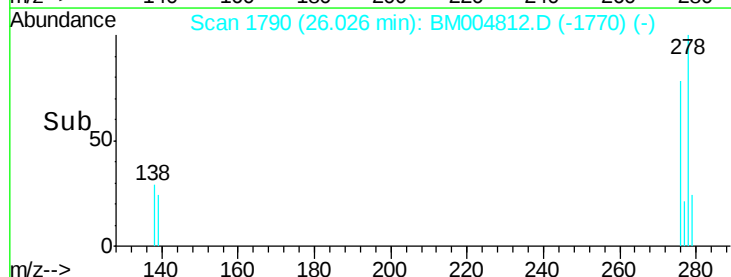
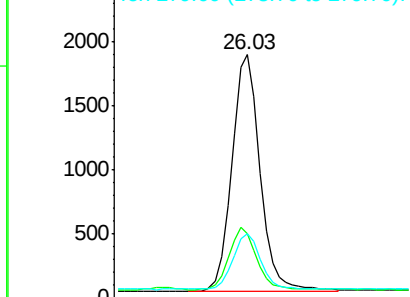
278 100

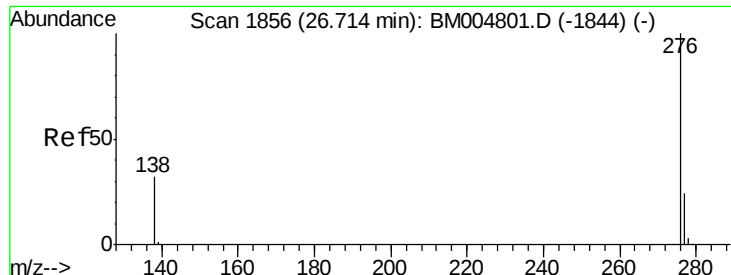
139 26.5 16.4 24.6#

279 26.5 20.2 30.2



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





#28

Benzo(g,h,i)perylene

Concen: 0.43 ng/ul

RT: 26.71 min Scan# 1856

Delta R.T. 0.00 min

Lab File: BM004812.D

Acq: 28 Mar 2016 19:53

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

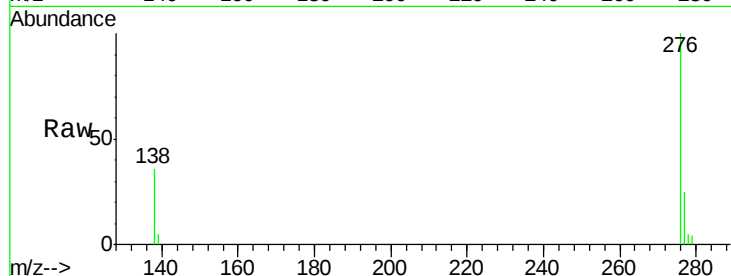
Tgt Ion: 276 Resp: 6283

Ion Ratio Lower Upper

276 100

277 25.2 18.9 28.3

138 35.6 22.5 33.7#



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

