

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121615\
 Data File : BM003578.D
 Acq On : 16 Dec 2015 15:18
 Operator : UM/IZ
 Sample : G4767-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N24

Quant Time: Dec 17 01:13:31 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 17 01:09:19 2015
 Response via : Initial Calibration

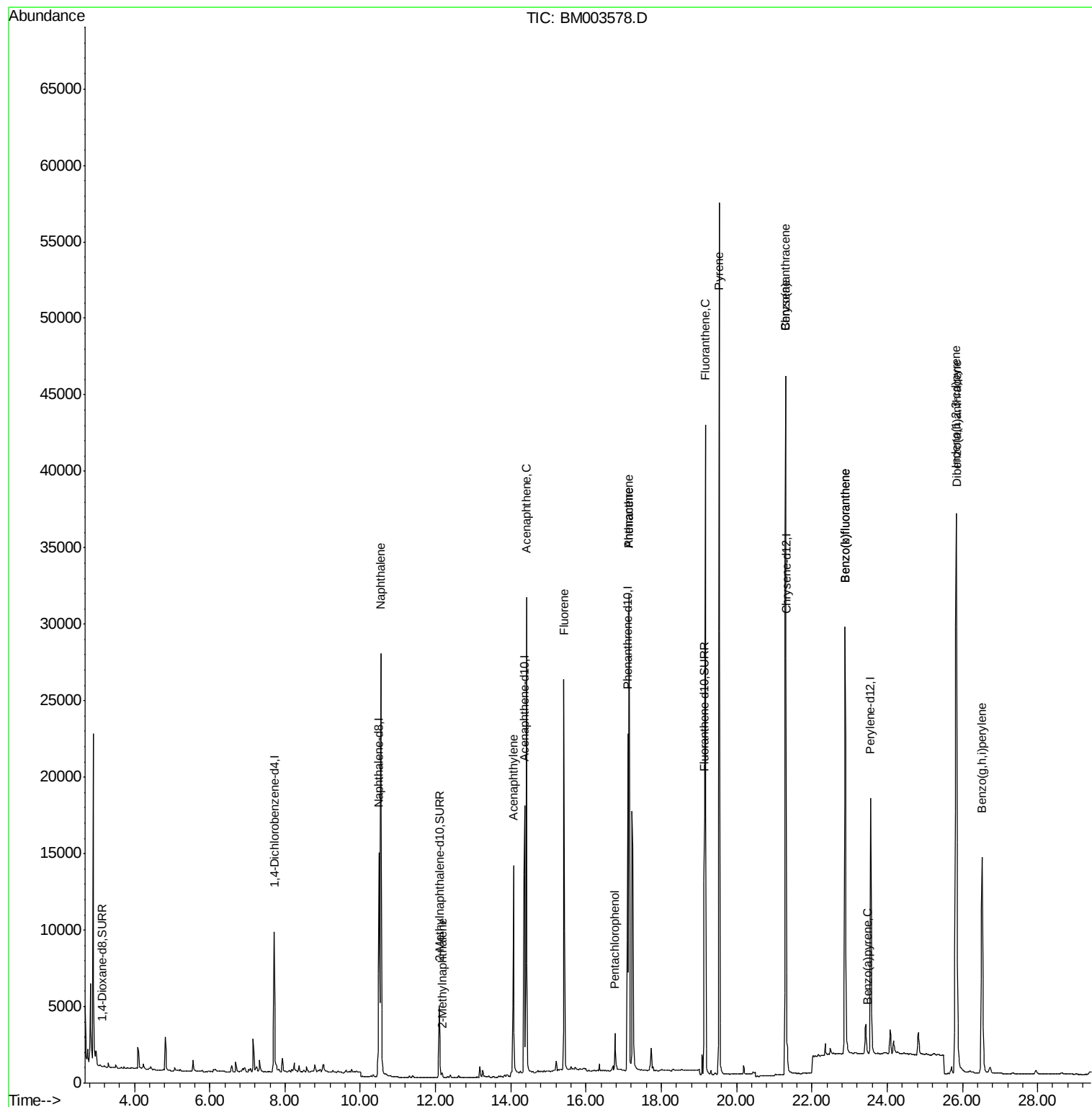
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	5027	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	21640	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	12243	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.11	188	28878	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	30699	0.40	ng/ul	0.00
22) Perylene-d12	23.56	264	24038	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	73	0.03	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	12.10	152	6831	0.26	ng/ul	0.00
16) Fluoranthene-d10	19.15	212	22244	0.36	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.55	128	39625	0.81	ng/ul	98
7) 2-Methylnaphthalene	12.17	142	210	0.01	ng/ul	90
9) Acenaphthylene	14.07	152	16063	0.34	ng/ul	95
10) Acenaphthene	14.42	153	18208	0.48	ng/ul	88
11) Fluorene	15.41	166	17508	0.42	ng/ul#	83
13) Pentachlorophenol	16.76	266	2278	0.55	ng/ul	96
14) Phenanthrene	17.14	178	34149	0.46	ng/ul#	93
15) Anthracene	17.14	178	34116	0.53	ng/ul	96
17) Fluoranthene	19.17	202	39482	0.49	ng/ul	98
19) Pyrene	19.54	202	52690	0.64	ng/ul	99
20) Benzo(a)anthracene	21.30	228	40103	0.54	ng/ul	99
21) Chrysene	21.30	228	40231	0.47	ng/ul	98
23) Benzo(b)fluoranthene	22.88	252	36976	0.45	ng/ul	99
24) Benzo(k)fluoranthene	22.88	252	37099	0.50	ng/ul	96
25) Benzo(a)pyrene	23.47	252	331	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.83	276	44138	0.55	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.84	278	33859	0.52	ng/ul	99
28) Benzo(g,h,i)perylene	26.52	276	29461	0.42	ng/ul	99

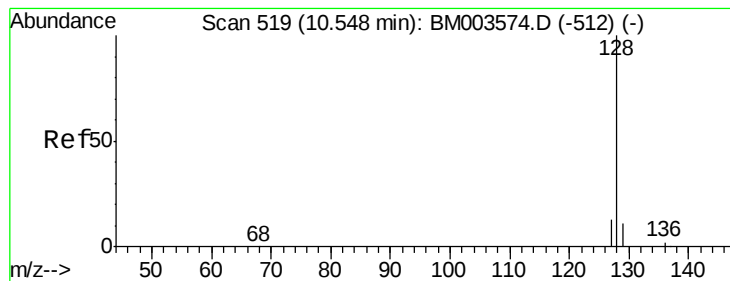
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.81 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003578.D

Acq: 16 Dec 2015 15:18

Instrument :

BNA_M

ClientSampleId :

D9N24

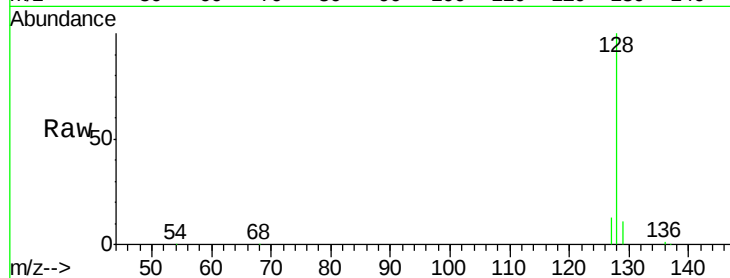
Tgt Ion:128 Resp: 39625

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

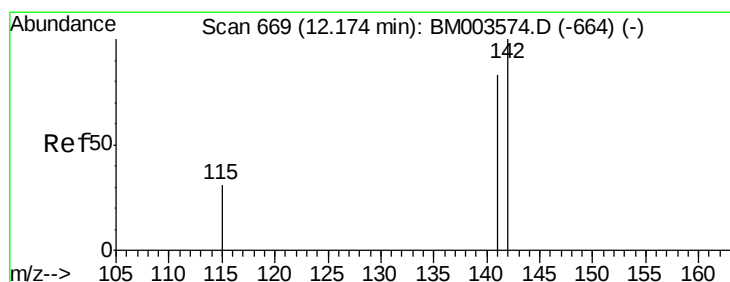
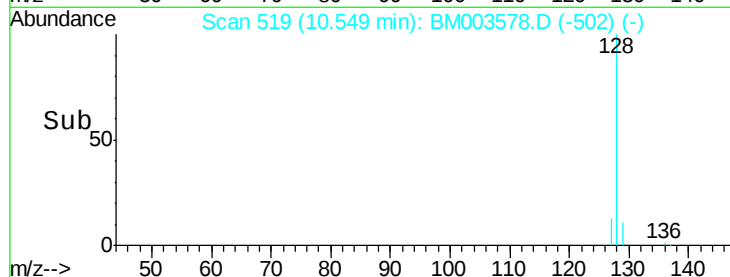
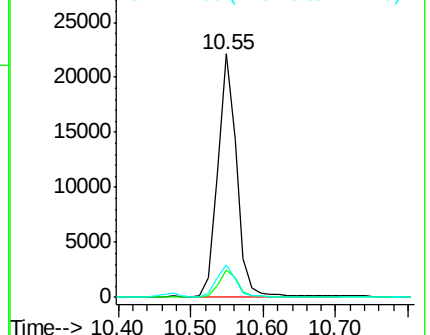
127 13.3 9.6 14.4



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: 0.01 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM003578.D

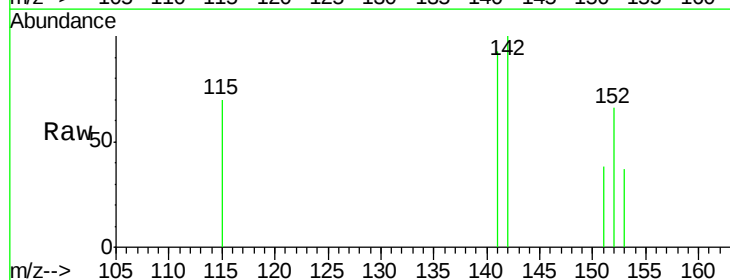
Acq: 16 Dec 2015 15:18

Tgt Ion:142 Resp: 210

Ion Ratio Lower Upper

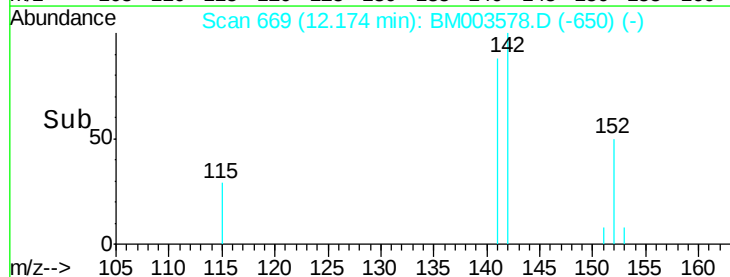
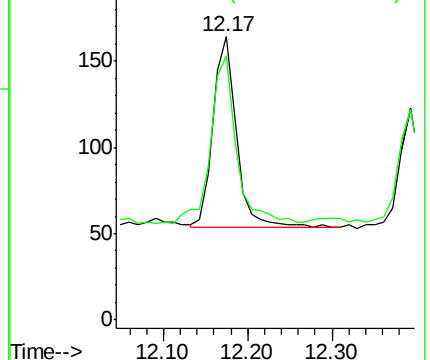
142 100

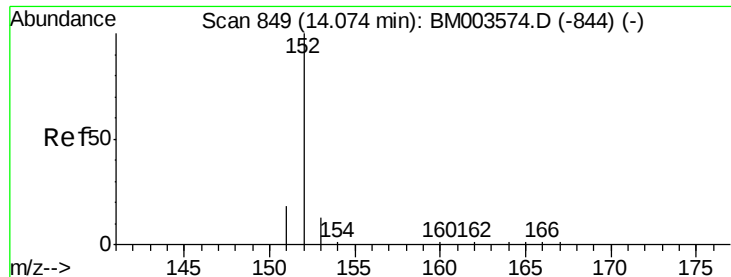
141 97.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.34 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003578.D

Acq: 16 Dec 2015 15:18

Instrument :

BNA_M

ClientSampleId :

D9N24

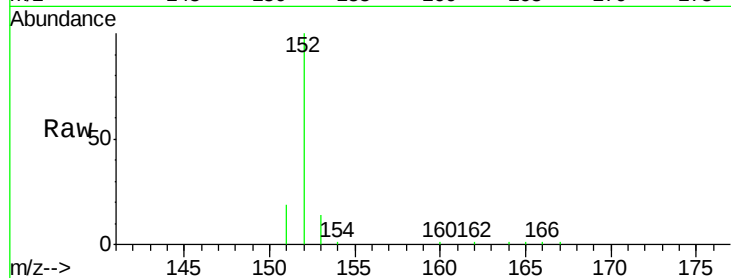
Tgt Ion:152 Resp: 16063

Ion Ratio Lower Upper

152 100

151 19.5 17.6 26.4

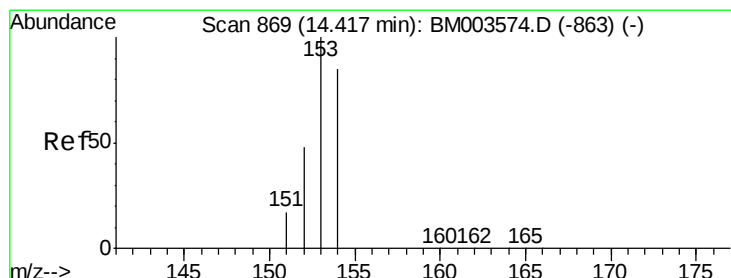
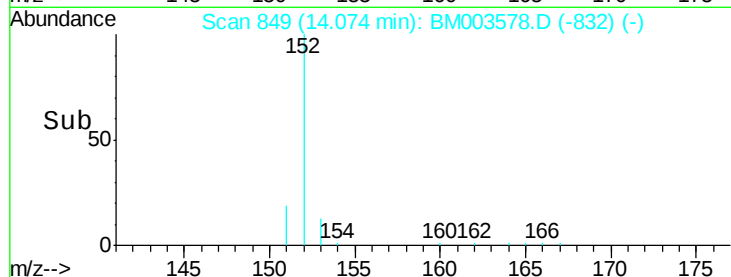
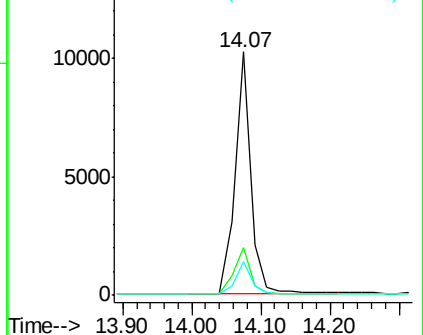
153 13.8 9.7 14.5



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: 0.48 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003578.D

Acq: 16 Dec 2015 15:18

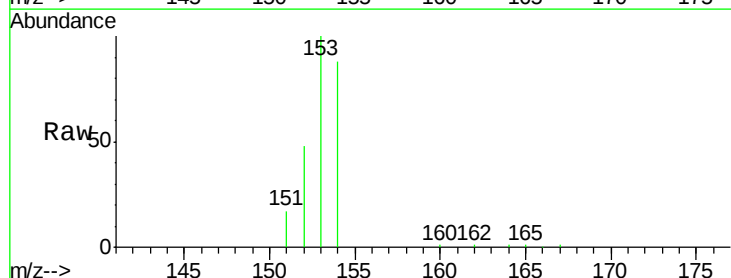
Tgt Ion:153 Resp: 18208

Ion Ratio Lower Upper

153 100

152 47.5 33.9 50.9

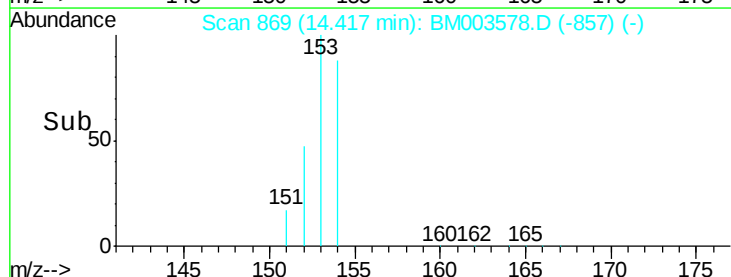
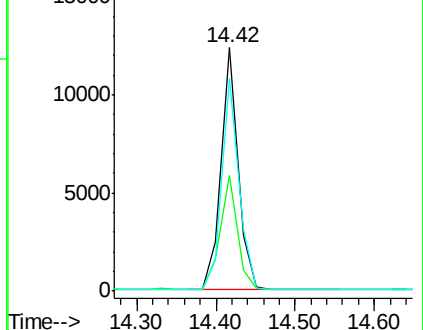
154 87.5 80.6 121.0

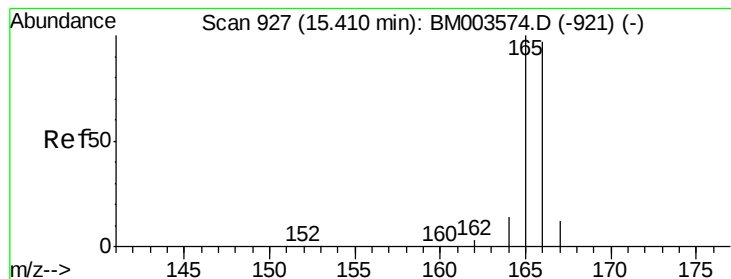


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.42 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM003578.D

Acq: 16 Dec 2015 15:18

Instrument :

BNA_M

ClientSampleId :

D9N24

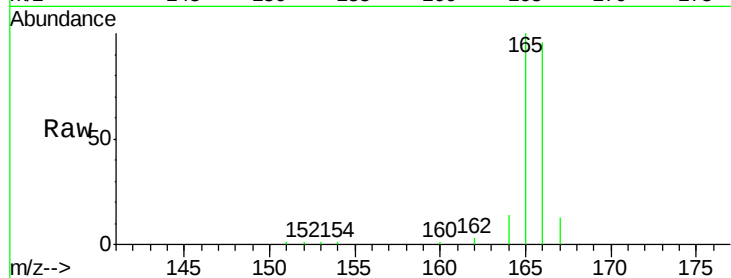
Tgt Ion:166 Resp: 17508

Ion Ratio Lower Upper

166 100

165 104.6 69.6 104.4#

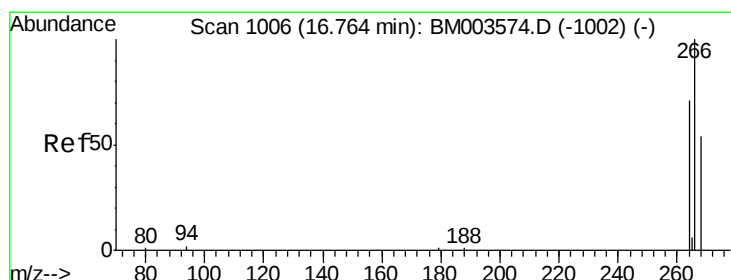
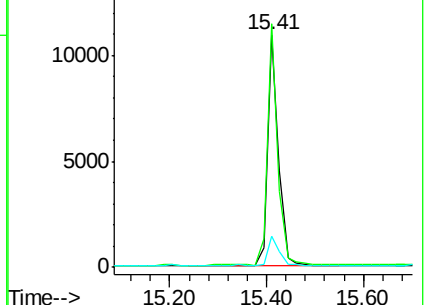
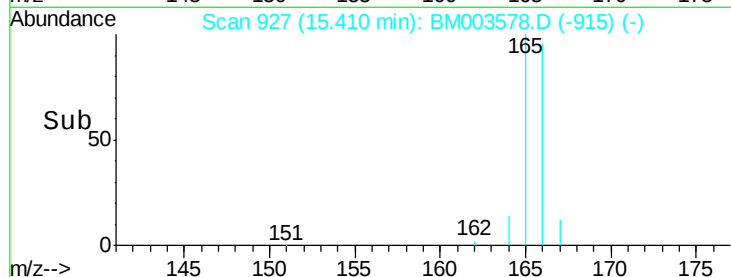
167 13.3 11.9 17.9



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: 0.55 ng/ul

RT: 16.76 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BM003578.D

Acq: 16 Dec 2015 15:18

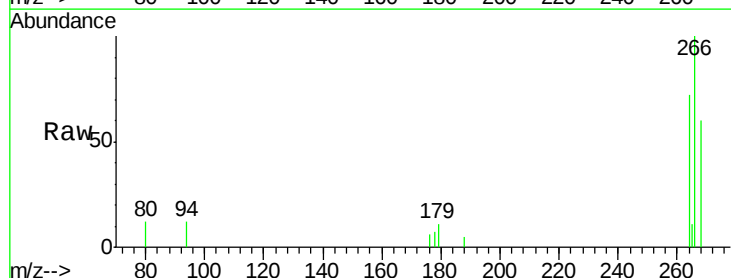
Tgt Ion:266 Resp: 2278

Ion Ratio Lower Upper

266 100

264 63.4 51.8 77.8

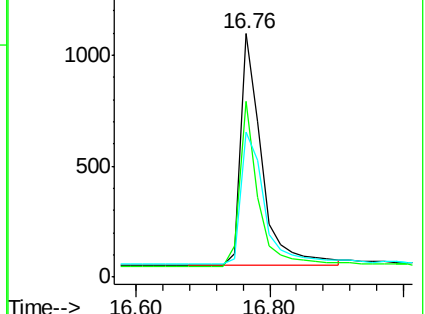
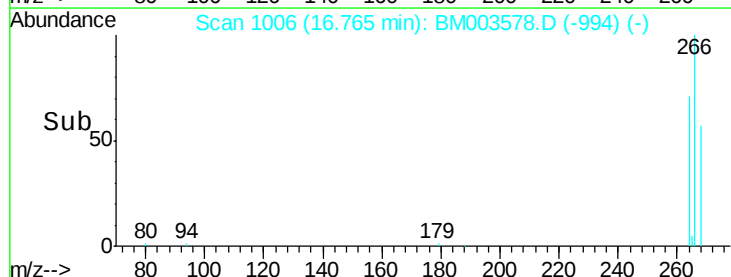
268 63.6 46.8 70.2

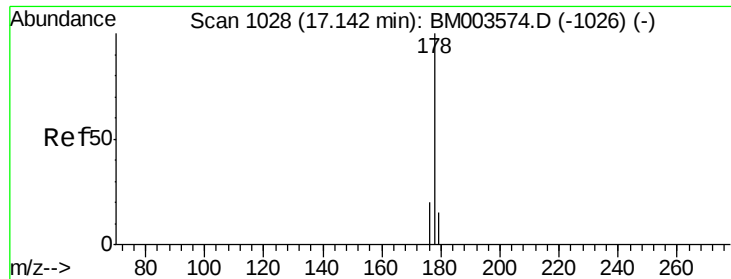


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

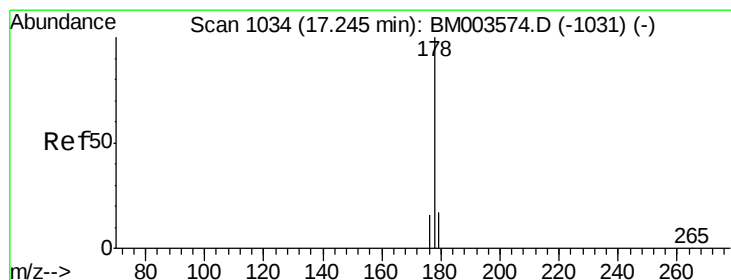
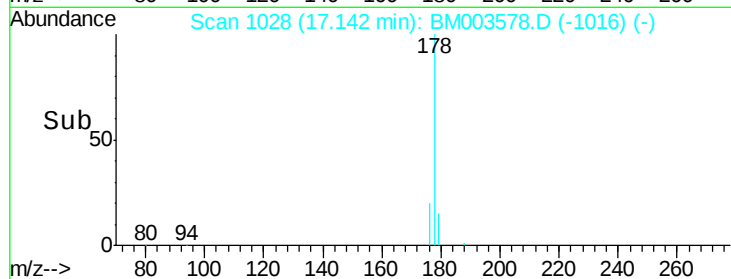
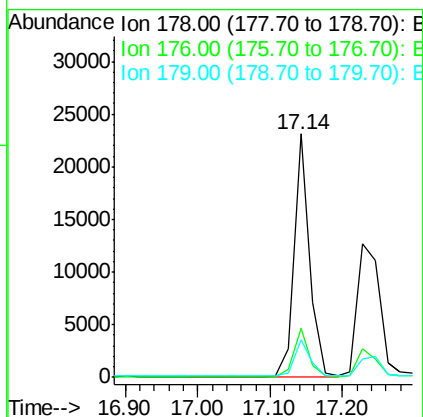
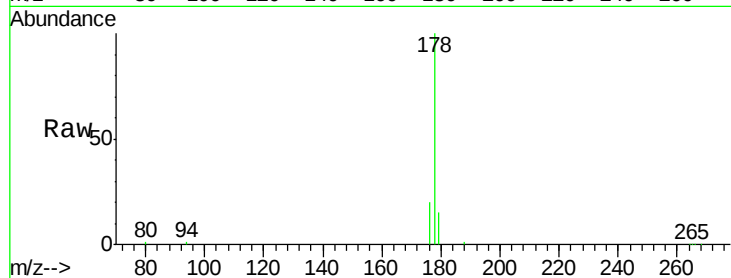




#14
Phenanthrene
Concen: 0.46 ng/ul
RT: 17.14 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BM003578.D
Acq: 16 Dec 2015 15:18

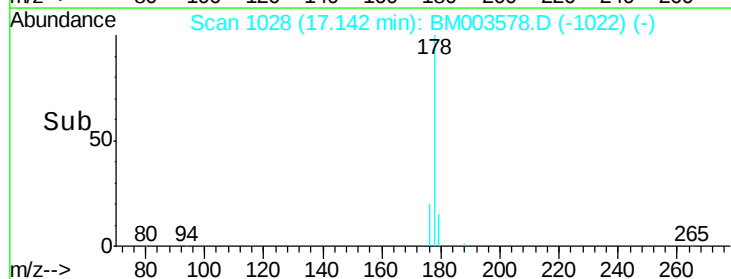
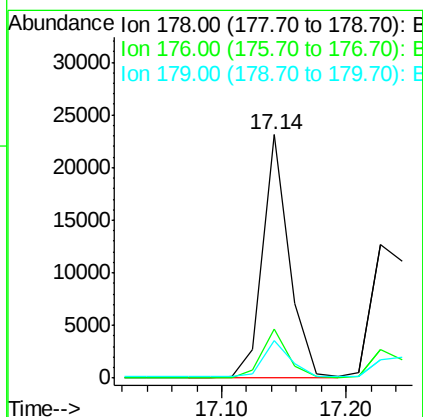
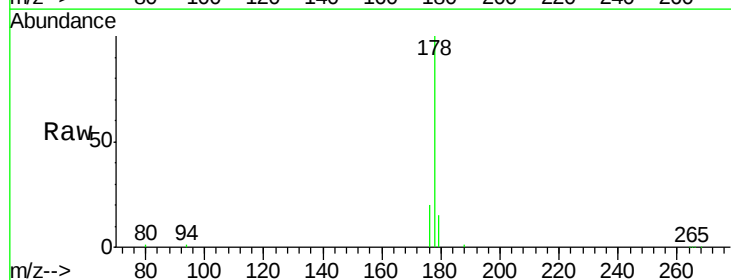
Instrument :
BNA_M
ClientSampleId :
D9N24

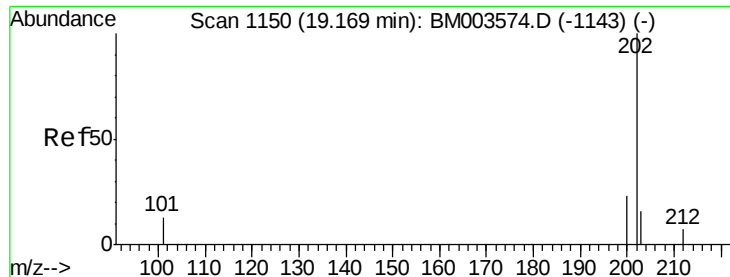
Tgt Ion:178 Resp: 34149
Ion Ratio Lower Upper
178 100
176 19.9 13.0 19.4#
179 15.2 14.2 21.2



#15
Anthracene
Concen: 0.53 ng/ul
RT: 17.14 min Scan# 1028
Delta R.T. -0.10 min
Lab File: BM003578.D
Acq: 16 Dec 2015 15:18

Tgt Ion:178 Resp: 34116
Ion Ratio Lower Upper
178 100
176 19.9 14.0 21.0
179 15.2 12.9 19.3





#17

Fluoranthene

Concen: 0.49 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. 0.01 min

Lab File: BM003578.D

Acq: 16 Dec 2015 15:18

Instrument :

BNA_M

ClientSampleId :

D9N24

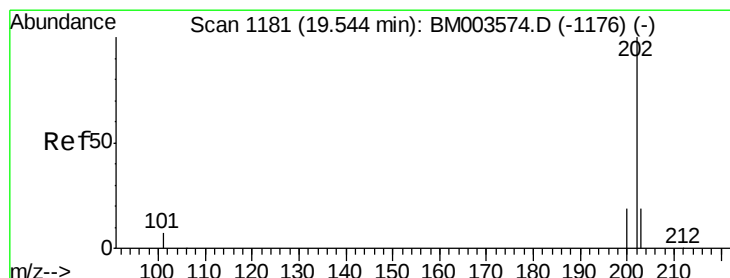
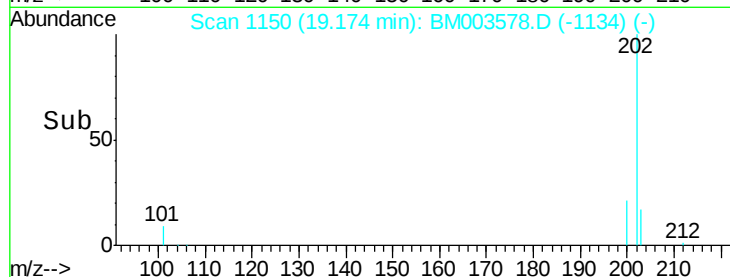
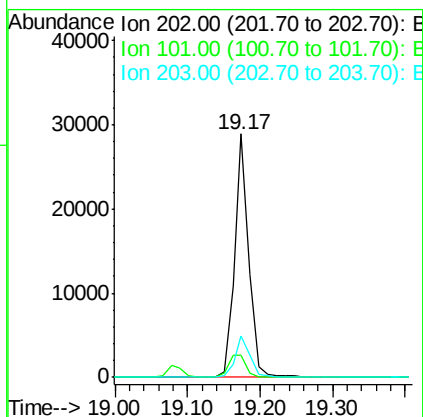
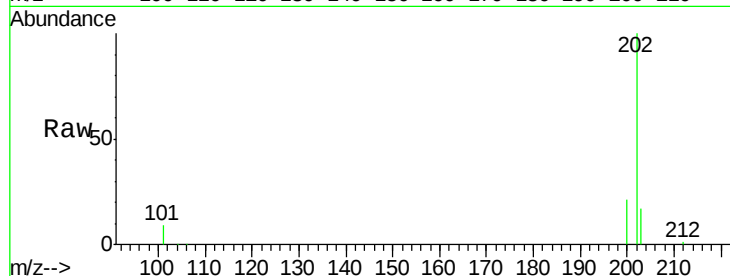
Tgt Ion:202 Resp: 39482

Ion Ratio Lower Upper

202 100

101 9.0 0.0 29.6

203 17.2 0.0 36.3



#19

Pyrene

Concen: 0.64 ng/ul

RT: 19.54 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BM003578.D

Acq: 16 Dec 2015 15:18

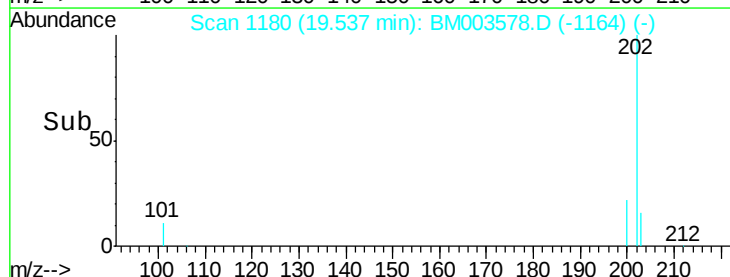
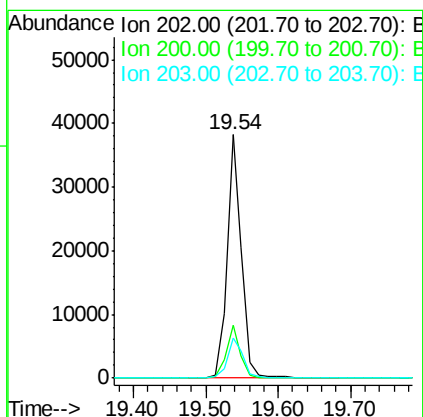
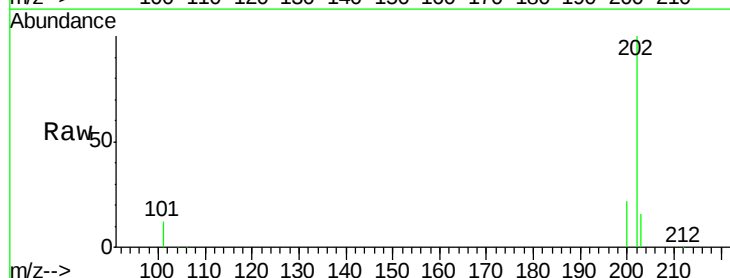
Tgt Ion:202 Resp: 52690

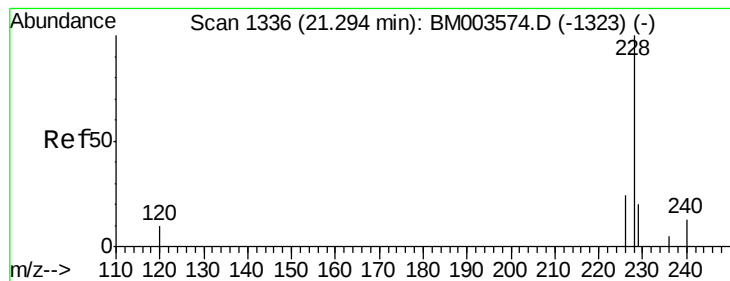
Ion Ratio Lower Upper

202 100

200 21.7 17.8 26.8

203 16.4 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.54 ng/ul

RT: 21.30 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BM003578.D

Acq: 16 Dec 2015 15:18

Instrument :

BNA_M

ClientSampleId :

D9N24

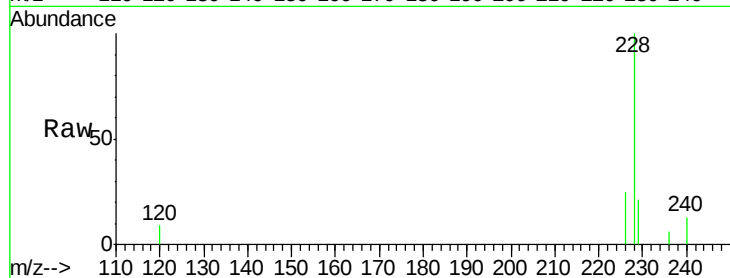
Tgt Ion:228 Resp: 40103

Ion Ratio Lower Upper

228 100

226 24.5 18.8 28.2

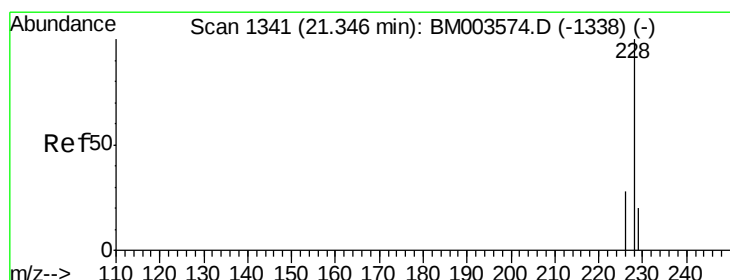
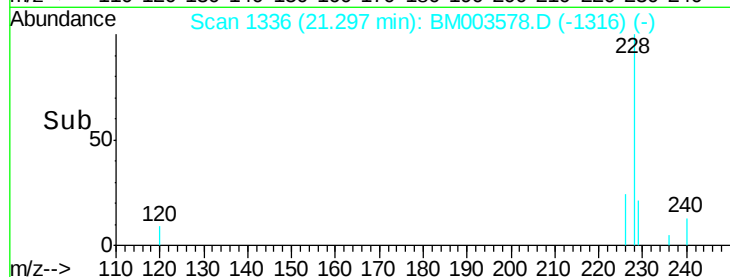
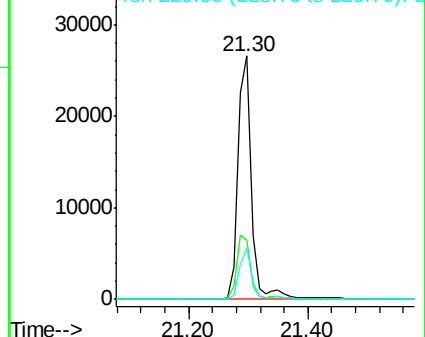
229 21.1 17.1 25.7



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: 0.47 ng/ul

RT: 21.30 min Scan# 1336

Delta R.T. -0.05 min

Lab File: BM003578.D

Acq: 16 Dec 2015 15:18

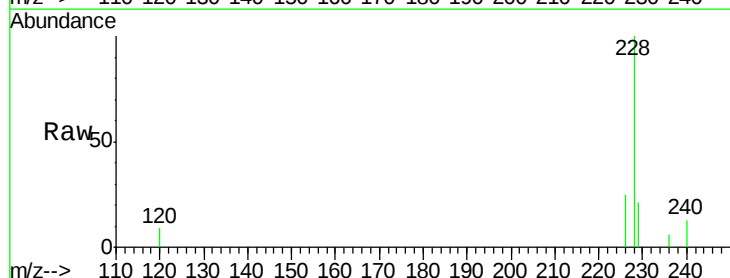
Tgt Ion:228 Resp: 40231

Ion Ratio Lower Upper

228 100

226 24.5 21.2 31.8

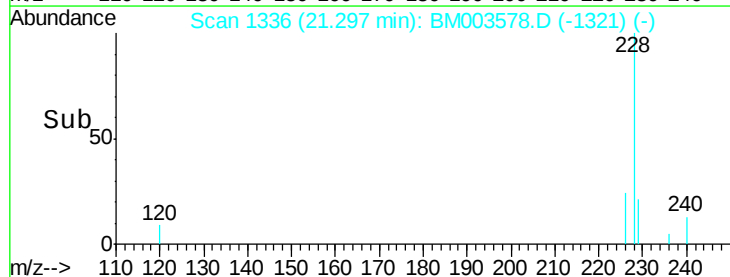
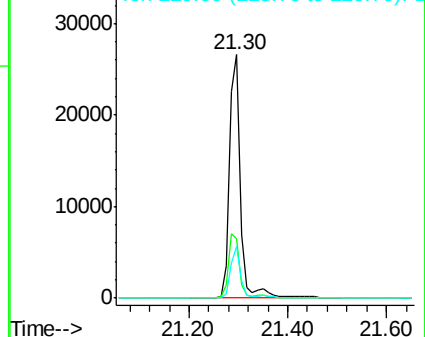
229 21.1 17.0 25.6

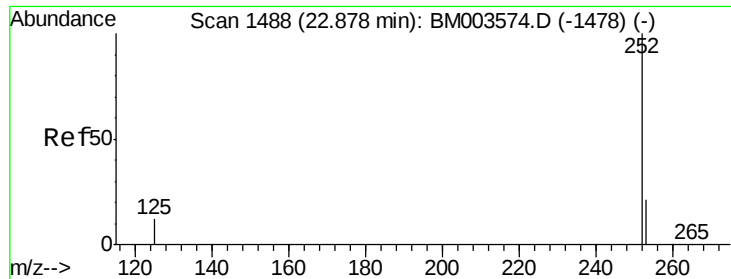


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.45 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BM003578.D

Acq: 16 Dec 2015 15:18

Instrument :

BNA_M

ClientSampleId :

D9N24

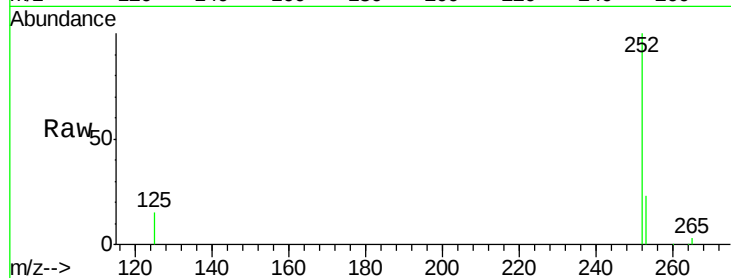
Tgt Ion:252 Resp: 36976

Ion Ratio Lower Upper

252 100

253 22.8 0.0 45.4

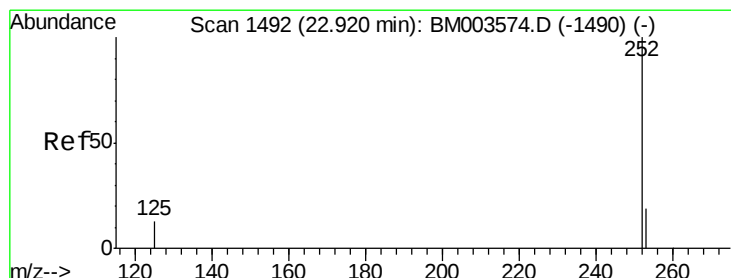
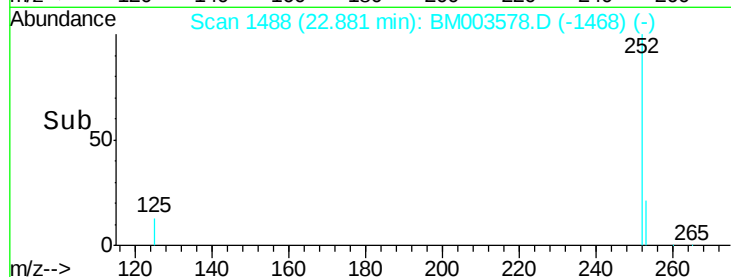
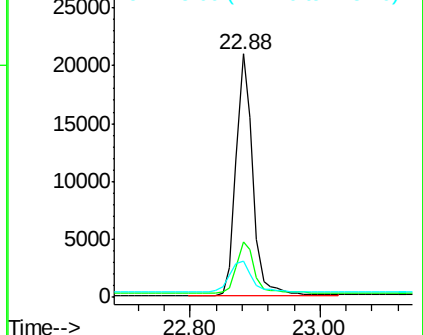
125 15.0 0.0 28.8



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: 0.50 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.04 min

Lab File: BM003578.D

Acq: 16 Dec 2015 15:18

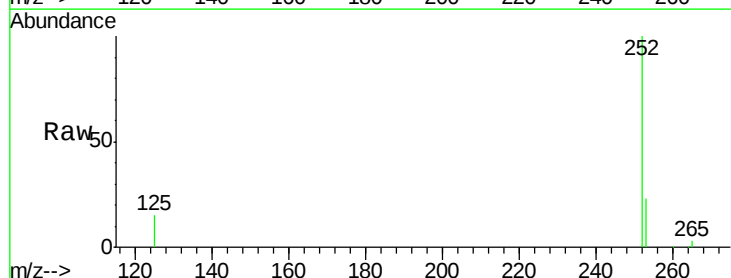
Tgt Ion:252 Resp: 37099

Ion Ratio Lower Upper

252 100

253 22.8 19.8 29.8

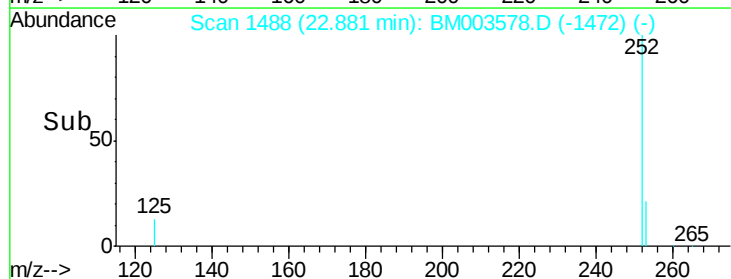
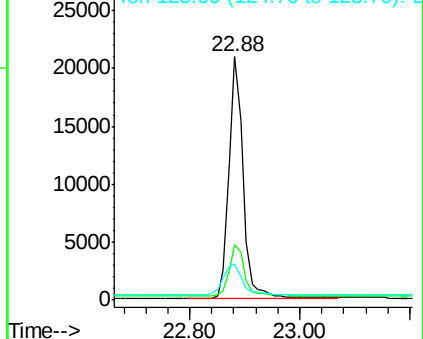
125 15.0 10.4 15.6

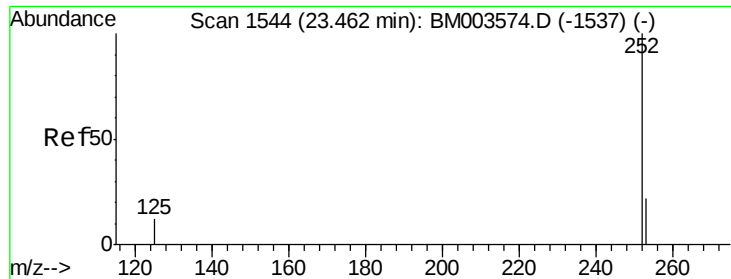


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.47 min Scan# 1544

Delta R.T. 0.00 min

Lab File: BM003578.D

Acq: 16 Dec 2015 15:18

Instrument :

BNA_M

ClientSampleId :

D9N24

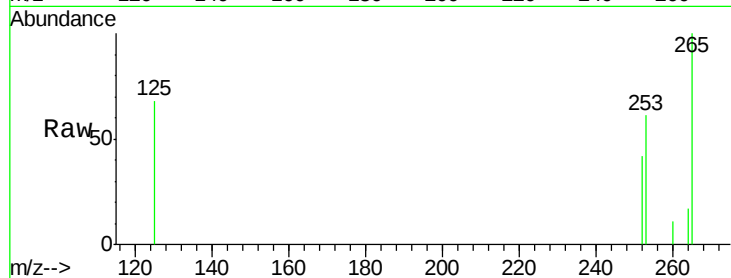
Tgt Ion:252 Resp: 331

Ion Ratio Lower Upper

252 100

253 147.6 19.4 29.2#

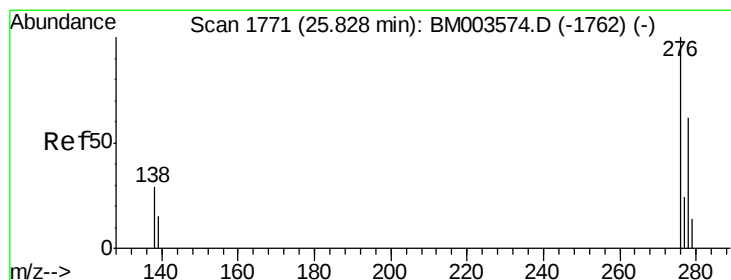
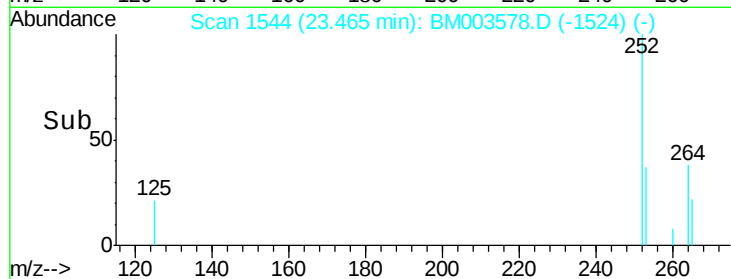
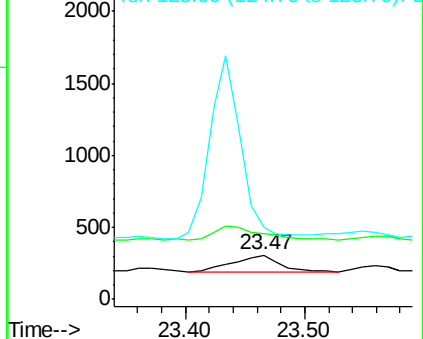
125 163.5 12.7 19.1#



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: 0.55 ng/ul

RT: 25.83 min Scan# 1771

Delta R.T. 0.00 min

Lab File: BM003578.D

Acq: 16 Dec 2015 15:18

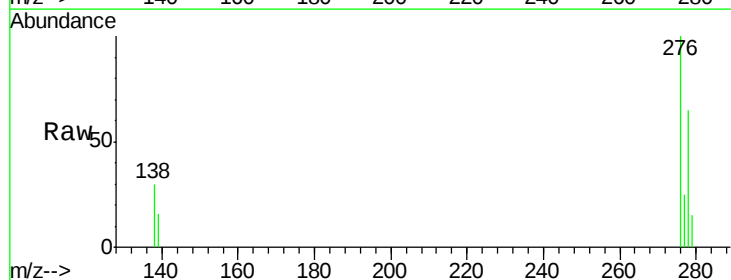
Tgt Ion:276 Resp: 44138

Ion Ratio Lower Upper

276 100

138 29.5 16.3 24.5#

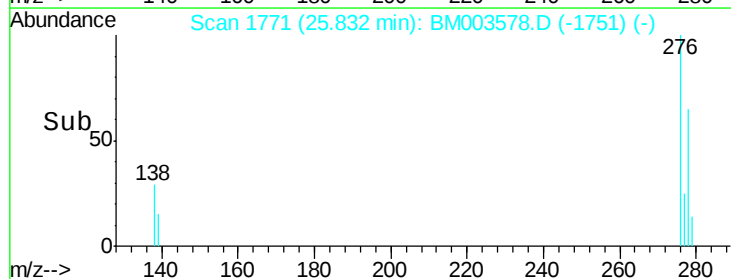
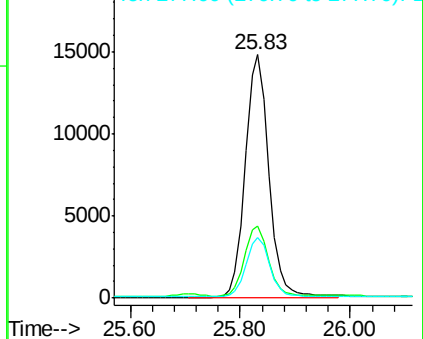
277 24.9 19.8 29.8

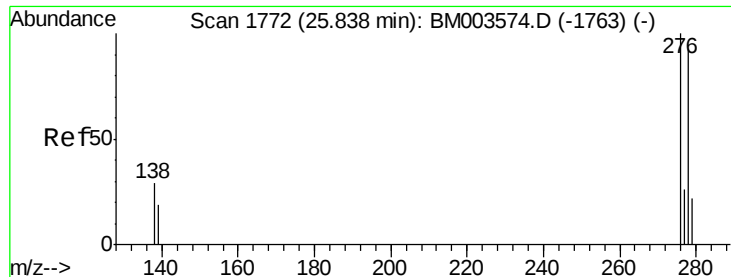


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

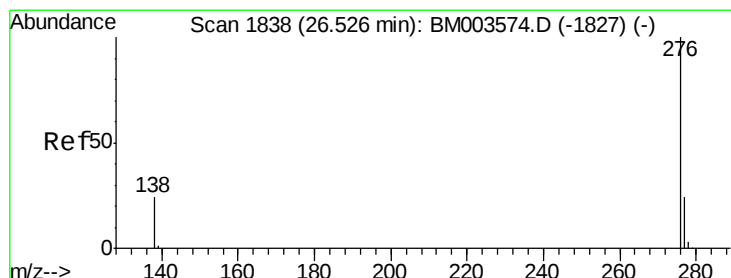
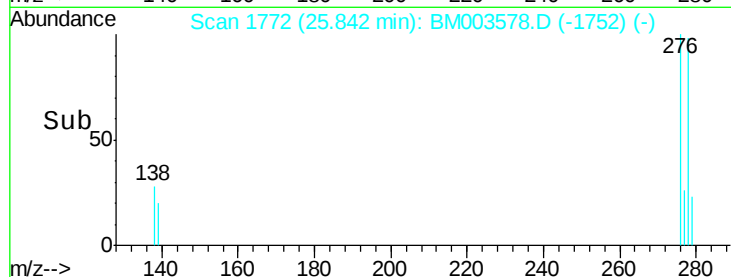
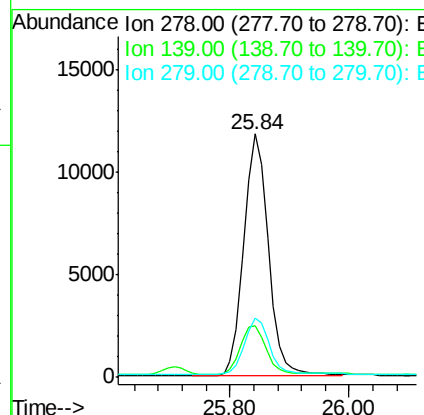
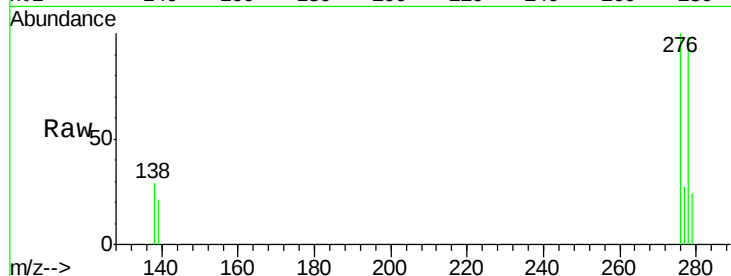




#27
Dibenzo(a,h)anthracene
Concen: 0.52 ng/ul
RT: 25.84 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BM003578.D
Acq: 16 Dec 2015 15:18

Instrument :
BNA_M
ClientSampleId :
D9N24

Tgt Ion: 278 Resp: 33859
Ion Ratio Lower Upper
278 100
139 21.1 16.4 24.6
279 24.5 20.2 30.2



#28
Benzo(g,h,i)perylene
Concen: 0.42 ng/ul
RT: 26.52 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BM003578.D
Acq: 16 Dec 2015 15:18

Tgt Ion: 276 Resp: 29461
Ion Ratio Lower Upper
276 100
277 23.3 18.9 28.3
138 27.3 22.5 33.7

