

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121615\
 Data File : BM003588.D
 Acq On : 16 Dec 2015 21:30
 Operator : UM/IZ
 Sample : G4767-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N34

Quant Time: Dec 17 03:02:19 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 02:56:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	4997	0.40	ng/ul	0.00
4) Naphthalene-d8	10.51	136	20058	0.40	ng/ul	0.01
8) Acenaphthene-d10	14.35	164	50241	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.12	188	20271	0.40	ng/ul	0.02
18) Chrysene-d12	21.31	240	24905	0.40	ng/ul	0.00
22) Perylene-d12	23.56	264	17959	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	11571	5.42	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.10	152	4197	0.17	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	9489	0.22	ng/ul	0.08

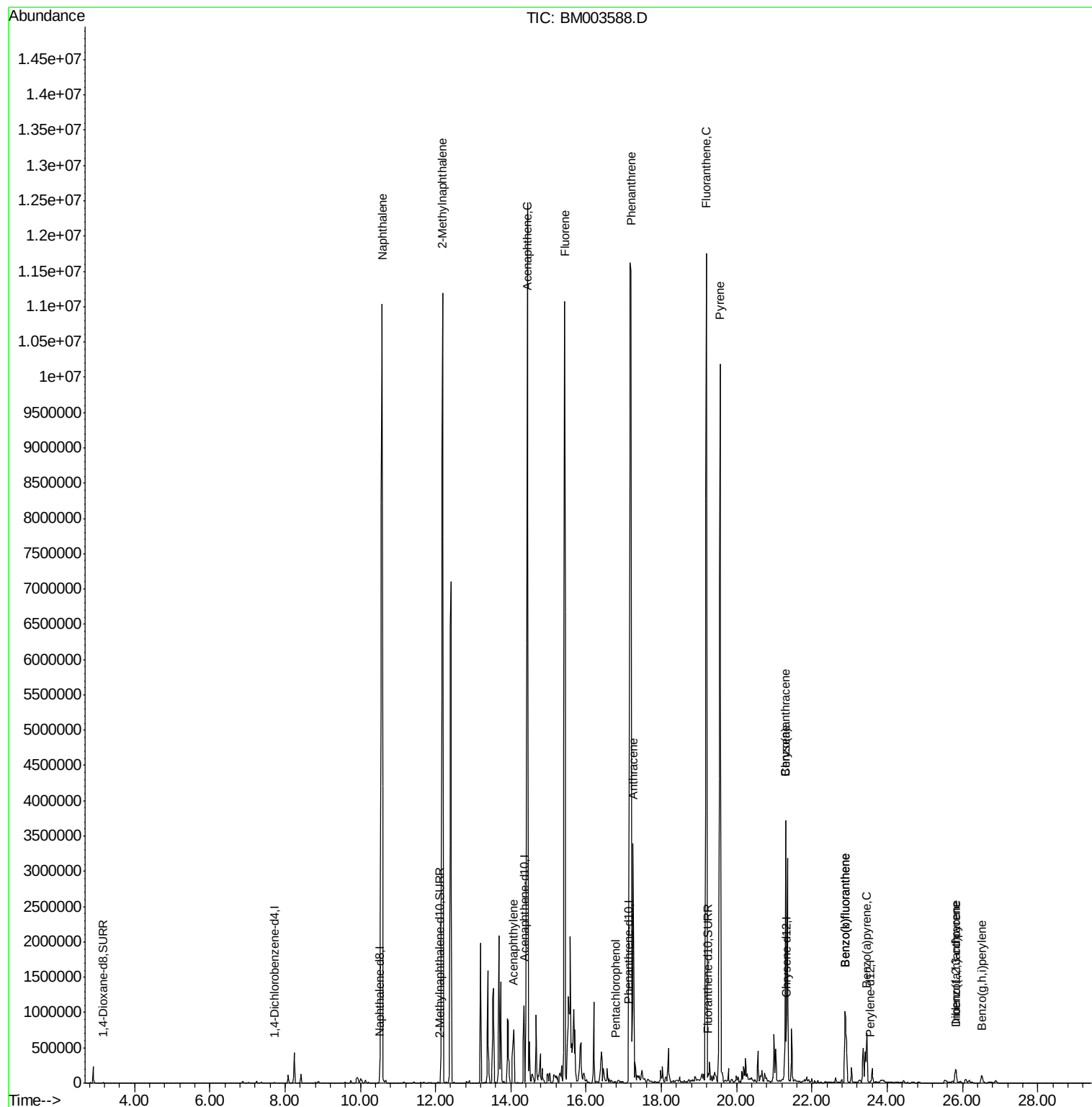
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.58	128	23282047	515.23	ng/ul#	87
7) 2-Methylnaphthalene	12.18	142	9723734	320.54	ng/ul	96
9) Acenaphthylene	14.07	152	784151	4.09	ng/ul#	90
10) Acenaphthene	14.43	153	11781369	76.16	ng/ul#	83
11) Fluorene	15.43	166	10231545	59.67	ng/ul#	82
13) Pentachlorophenol	16.78	266	69	0.02	ng/ul#	76
14) Phenanthrene	17.19	178	26293601	502.90	ng/ul#	87
15) Anthracene	17.24	178	4148148	91.71	ng/ul#	94
17) Fluoranthene	19.19	202	16409942	289.02	ng/ul	88
19) Pyrene	19.56	202	12321273	183.26	ng/ul#	89
20) Benzo(a)anthracene	21.29	228	3616345	59.47	ng/ul#	93
21) Chrysene	21.29	228	3616345	51.91	ng/ul	97
23) Benzo(b)fluoranthene	22.88	252	2458365	40.11	ng/ul	98
24) Benzo(k)fluoranthene	22.88	252	2458365	44.25	ng/ul	96
25) Benzo(a)pyrene	23.45	252	1030240	19.93	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	25.82	276	295953	4.94	ng/ul#	95
27) Dibenzo(a,h)anthracene	25.83	278	90268	1.87	ng/ul	97
28) Benzo(g,h,i)perylene	26.52	276	225847	4.33	ng/ul	96

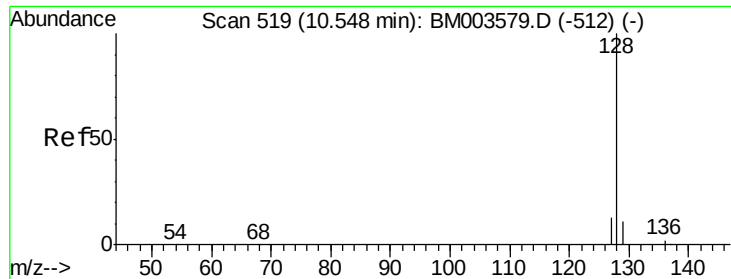
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 515.23 ng/ul

RT: 10.58 min Scan# 522

Delta R.T. 0.04 min

Lab File: BM003588.D

Acq: 16 Dec 2015 21:30

Instrument :

BNA_M

ClientSampleId :

D9N34

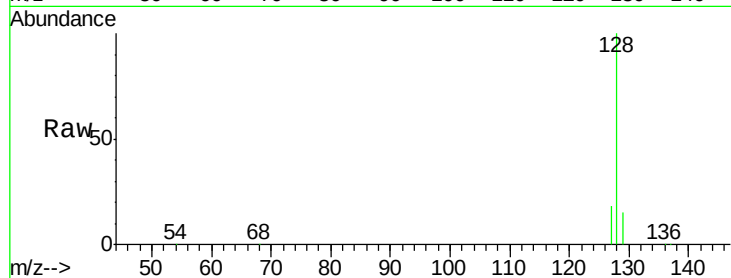
Tgt Ion:128 Resp:23282047

Ion Ratio Lower Upper

128 100

129 14.9 9.0 13.6#

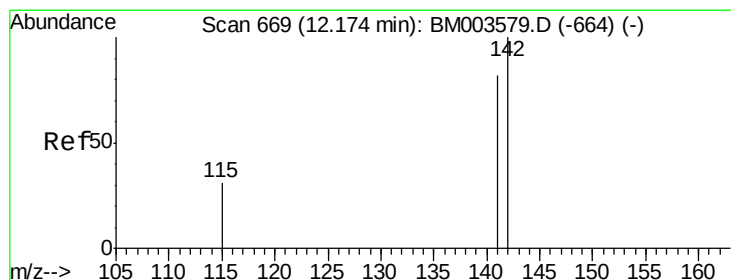
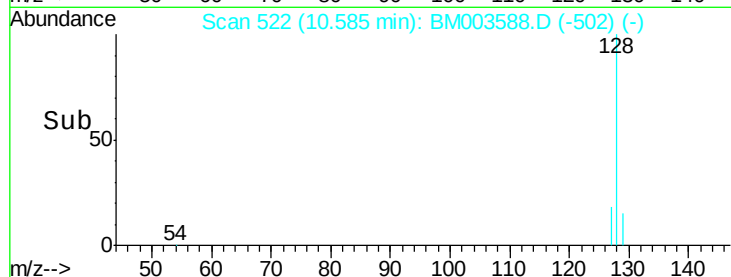
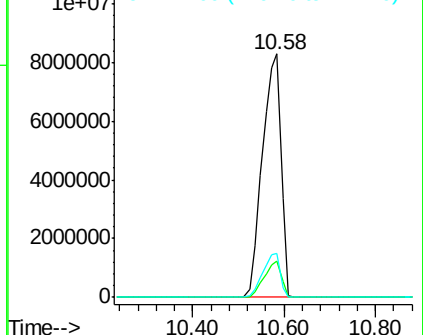
127 18.1 9.6 14.4#



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: 320.54 ng/ul

RT: 12.18 min Scan# 670

Delta R.T. 0.01 min

Lab File: BM003588.D

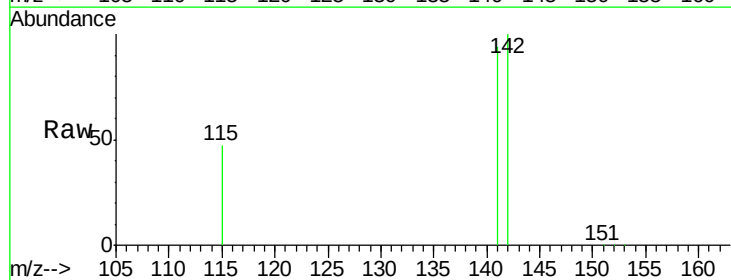
Acq: 16 Dec 2015 21:30

Tgt Ion:142 Resp: 9723734

Ion Ratio Lower Upper

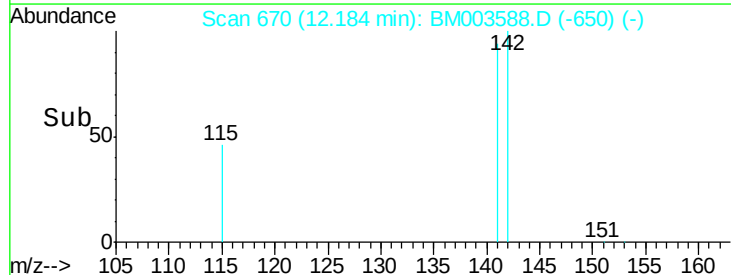
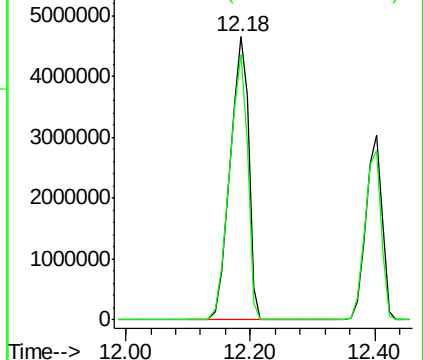
142 100

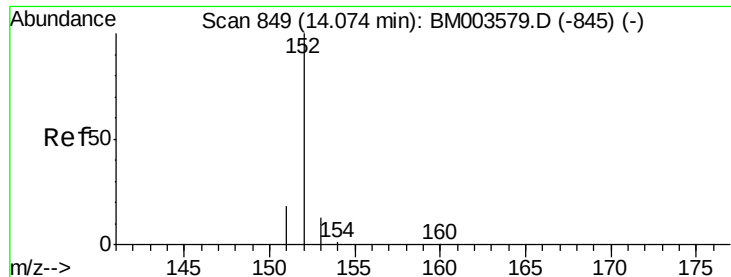
141 91.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 4.09 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003588.D

Acq: 16 Dec 2015 21:30

Instrument :

BNA_M

ClientSampleId :

D9N34

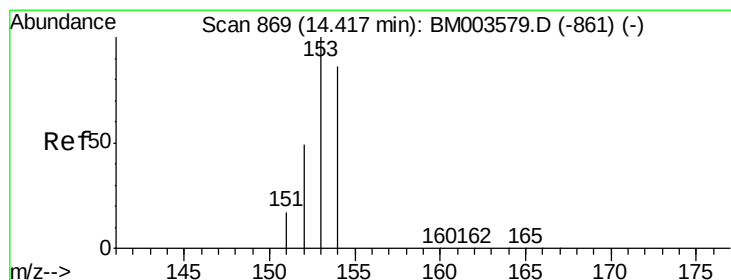
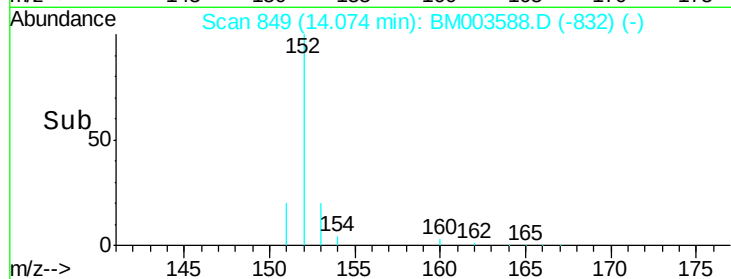
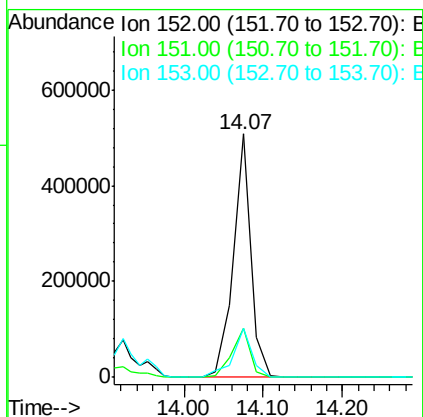
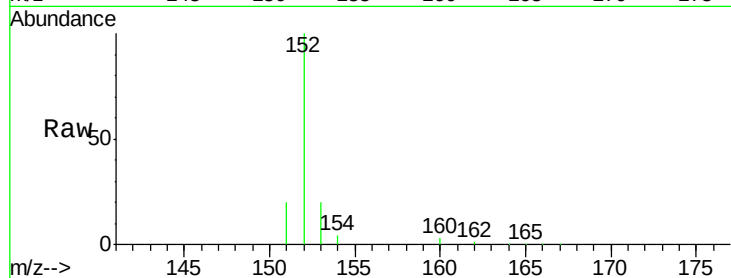
Tgt Ion:152 Resp: 784151

Ion Ratio Lower Upper

152 100

151 20.0 17.6 26.4

153 20.3 9.7 14.5#



#10

Acenaphthene

Concen: 76.16 ng/ul

RT: 14.43 min Scan# 870

Delta R.T. 0.02 min

Lab File: BM003588.D

Acq: 16 Dec 2015 21:30

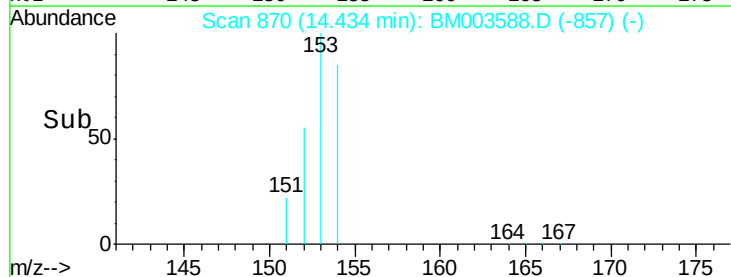
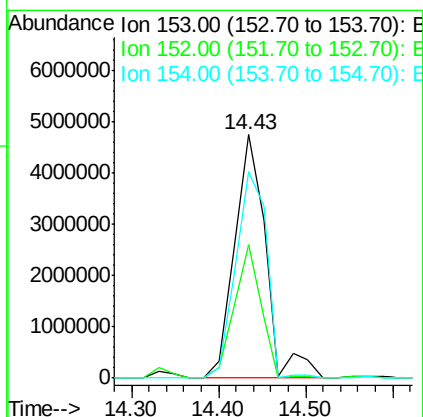
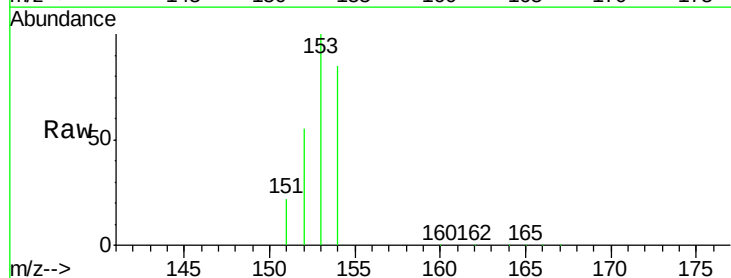
Tgt Ion:153 Resp:11781369

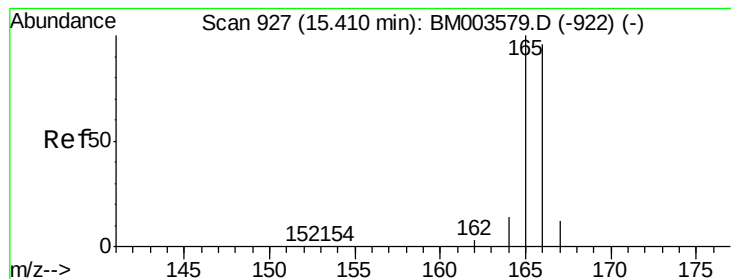
Ion Ratio Lower Upper

153 100

152 54.8 33.9 50.9#

154 84.6 80.6 121.0





#11

Fluorene

Concen: 59.67 ng/ul

RT: 15.43 min Scan# 928

Delta R.T. 0.02 min

Lab File: BM003588.D

Acq: 16 Dec 2015 21:30

Instrument :

BNA_M

ClientSampleId :

D9N34

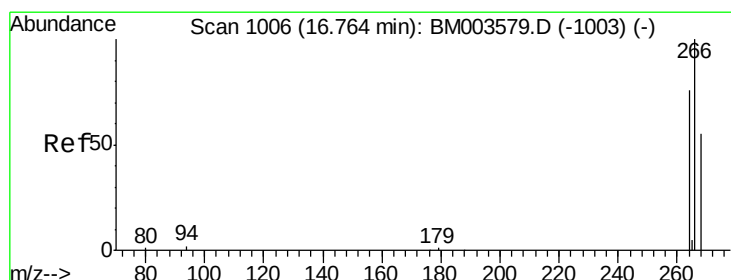
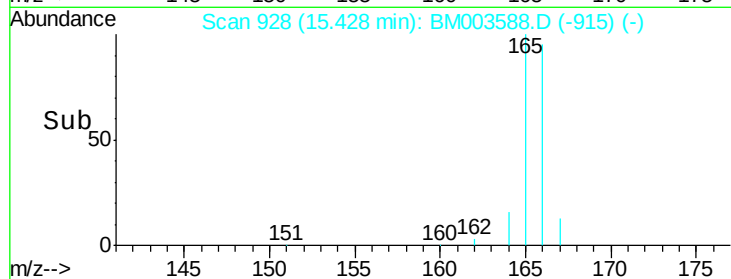
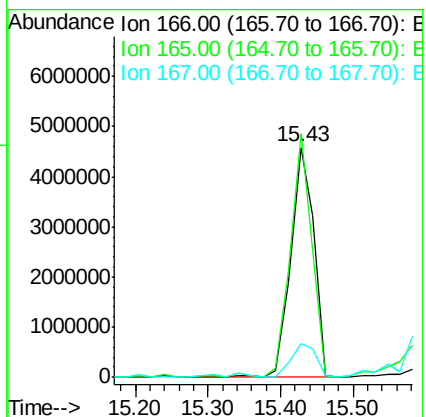
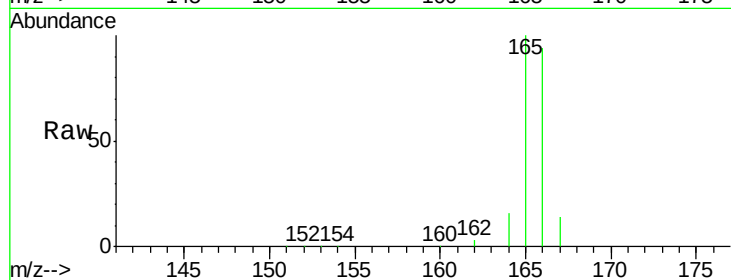
Tgt Ion:166 Resp:10231545

Ion Ratio Lower Upper

166 100

165 106.0 69.6 104.4#

167 14.7 11.9 17.9



#13

Pentachlorophenol

Concen: 0.02 ng/ul

RT: 16.78 min Scan# 1007

Delta R.T. 0.02 min

Lab File: BM003588.D

Acq: 16 Dec 2015 21:30

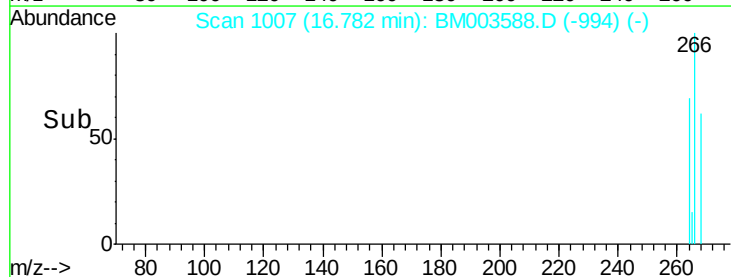
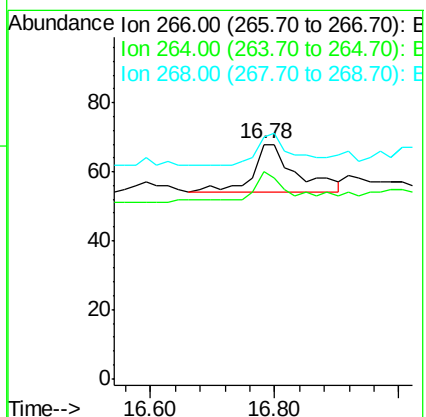
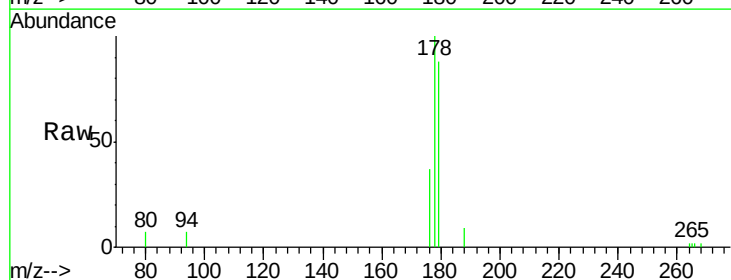
Tgt Ion:266 Resp: 69

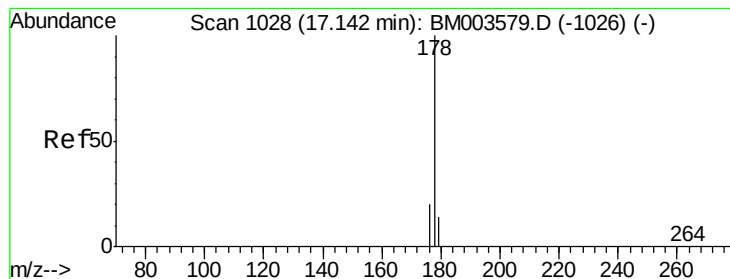
Ion Ratio Lower Upper

266 100

264 39.1 51.8 77.8#

268 47.8 46.8 70.2





#14

Phenanthrene

Concen: 502.90 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. 0.05 min

Lab File: BM003588.D

Acq: 16 Dec 2015 21:30

Instrument :

BNA_M

ClientSampleId :

D9N34

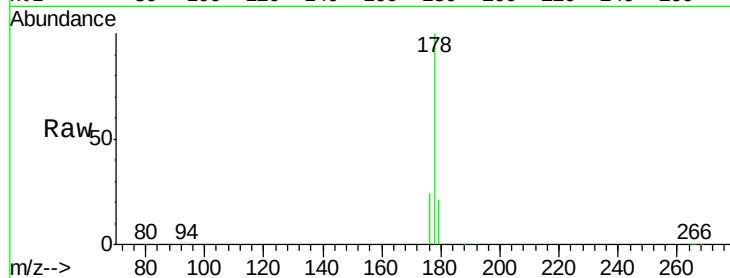
Tgt Ion:178 Resp:26293601

Ion Ratio Lower Upper

178 100

176 24.1 13.0 19.4#

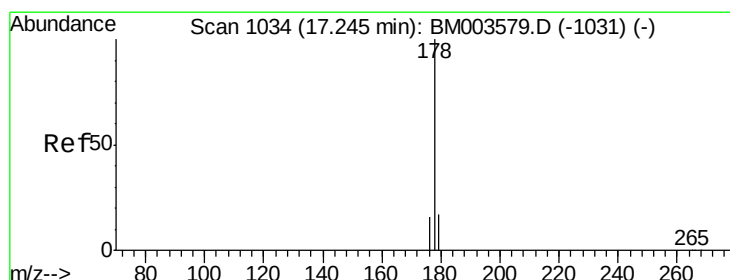
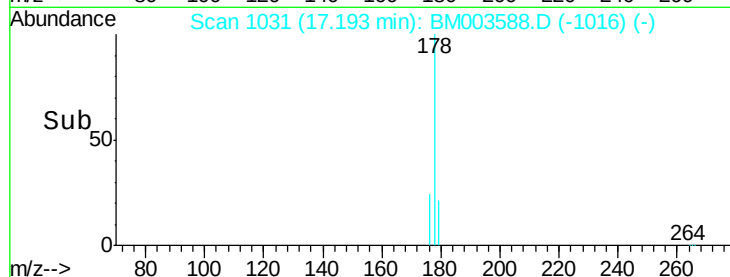
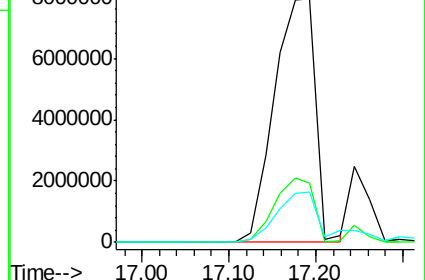
179 20.8 14.2 21.2



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: 91.71 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BM003588.D

Acq: 16 Dec 2015 21:30

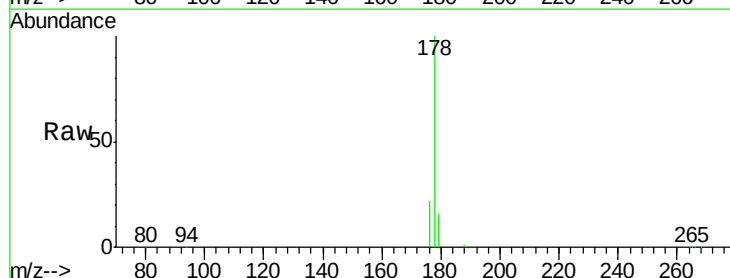
Tgt Ion:178 Resp: 4148148

Ion Ratio Lower Upper

178 100

176 22.0 14.0 21.0#

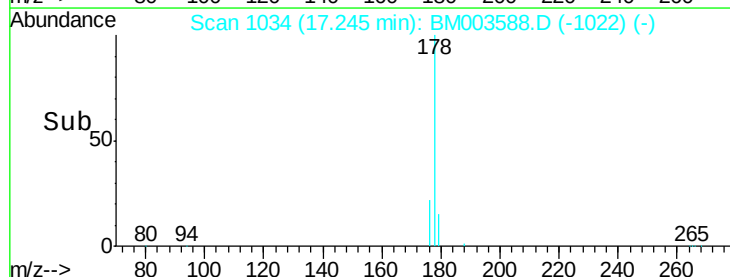
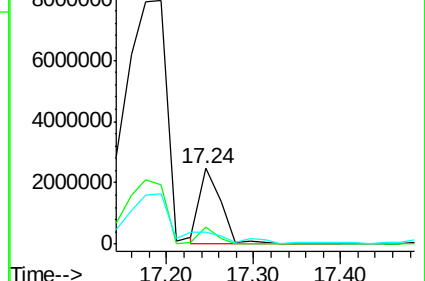
179 15.6 12.9 19.3

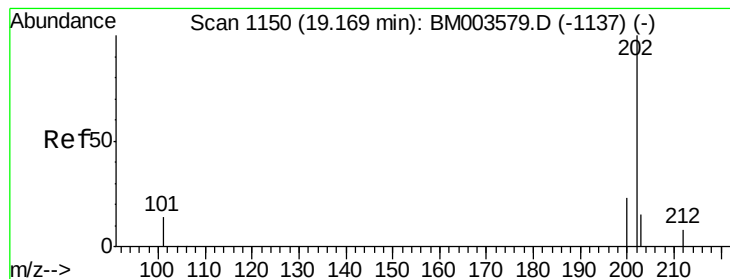


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 289.02 ng/ul

RT: 19.19 min Scan# 1152

Delta R.T. 0.02 min

Lab File: BM003588.D

Acq: 16 Dec 2015 21:30

Instrument :

BNA_M

ClientSampleId :

D9N34

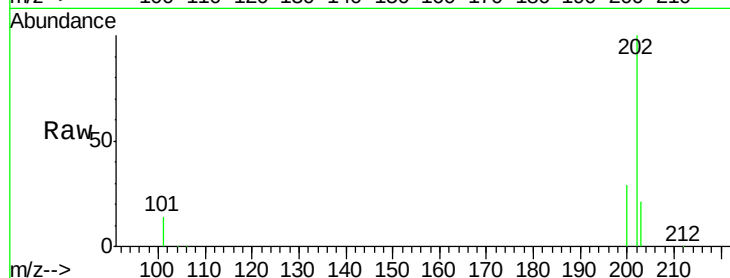
Tgt Ion:202 Resp:16409942

Ion Ratio Lower Upper

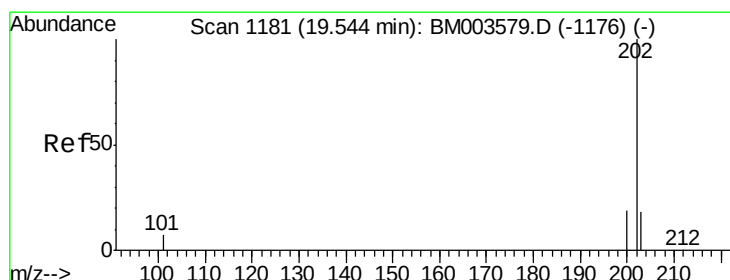
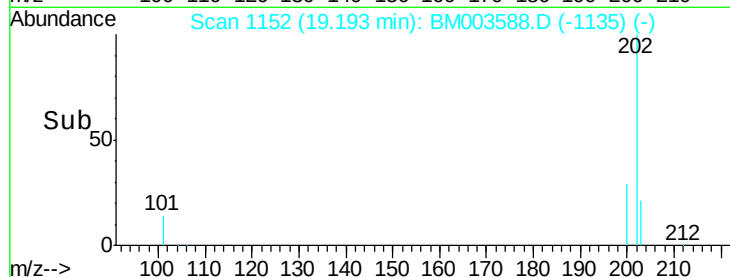
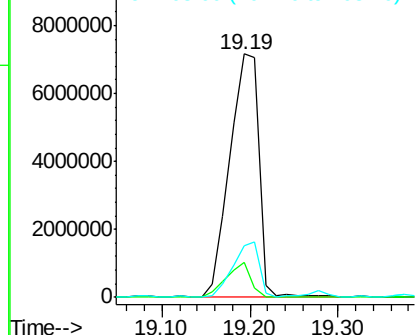
202 100

101 14.2 0.0 29.6

203 21.2 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: 183.26 ng/ul

RT: 19.56 min Scan# 1182

Delta R.T. 0.01 min

Lab File: BM003588.D

Acq: 16 Dec 2015 21:30

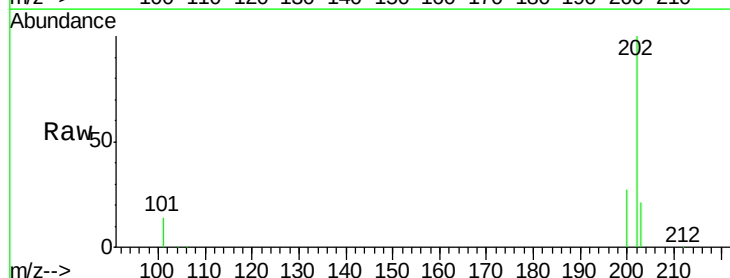
Tgt Ion:202 Resp:12321273

Ion Ratio Lower Upper

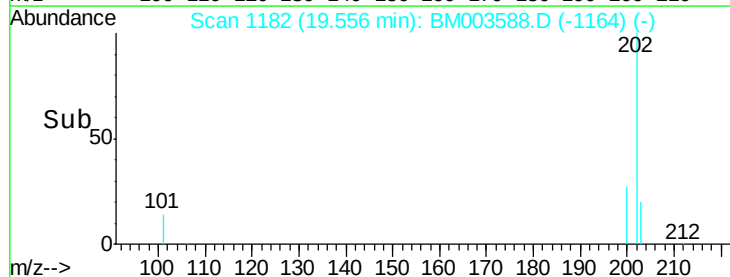
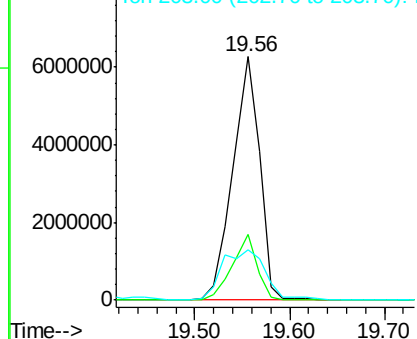
202 100

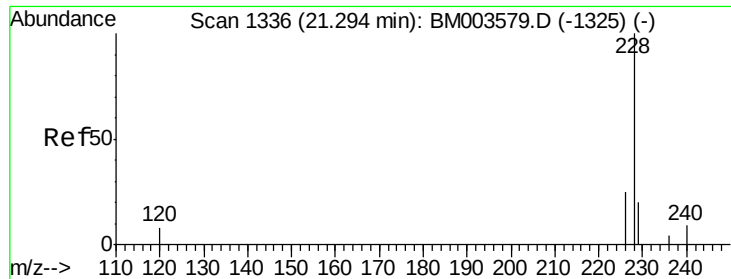
200 27.2 17.8 26.8#

203 20.7 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: 59.47 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BM003588.D

Acq: 16 Dec 2015 21:30

Instrument :

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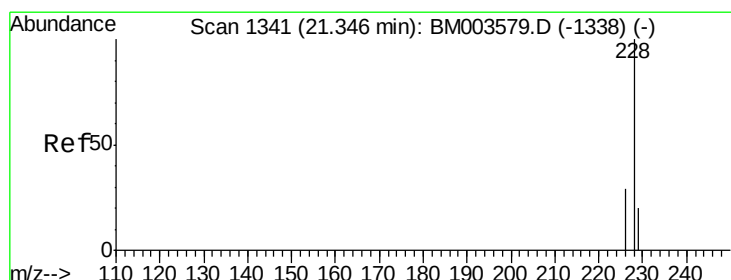
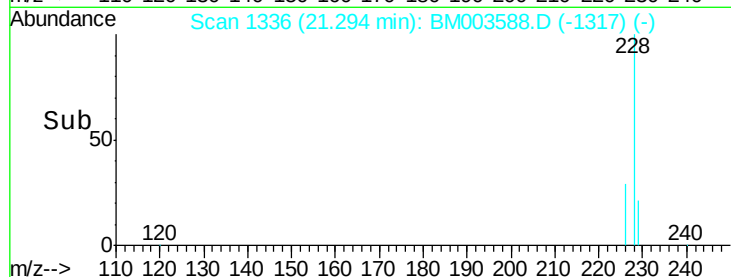
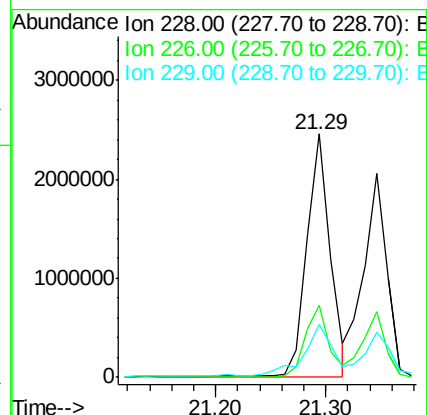
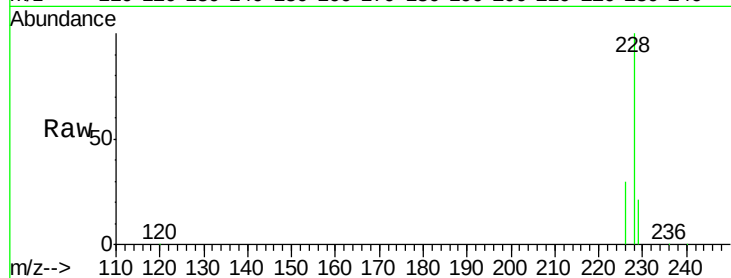
Tgt Ion:228 Resp: 3616345

Ion Ratio Lower Upper

228 100

226 29.6 18.8 28.2#

229 21.5 17.1 25.7



#21

Chrysene

Concen: 51.91 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.05 min

Lab File: BM003588.D

Acq: 16 Dec 2015 21:30

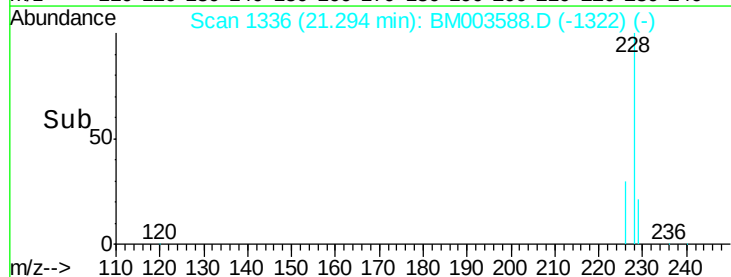
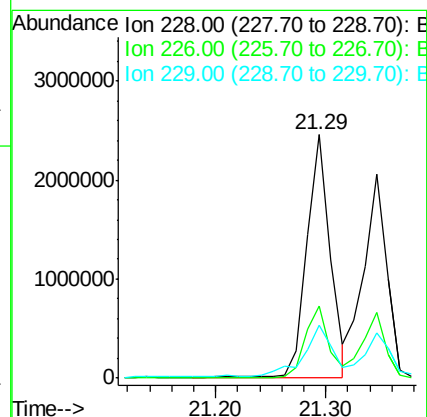
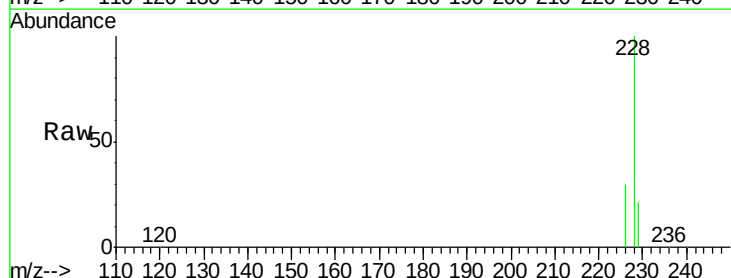
Tgt Ion:228 Resp: 3616345

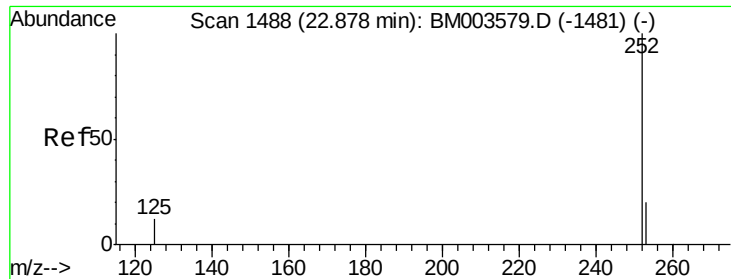
Ion Ratio Lower Upper

228 100

226 29.6 21.2 31.8

229 21.5 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 40.11 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BM003588.D

Acq: 16 Dec 2015 21:30

Instrument :

BNA_M

ClientSampleId :

D9N34

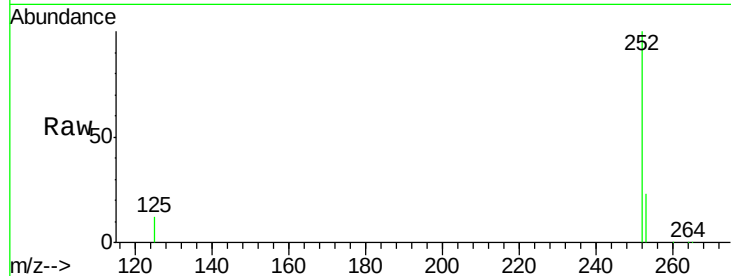
Tgt Ion:252 Resp: 2458365

Ion Ratio Lower Upper

252 100

253 22.7 0.0 45.4

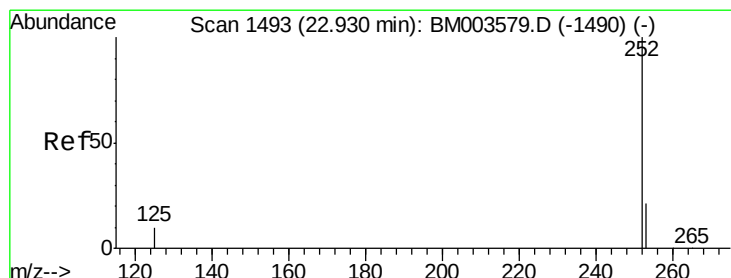
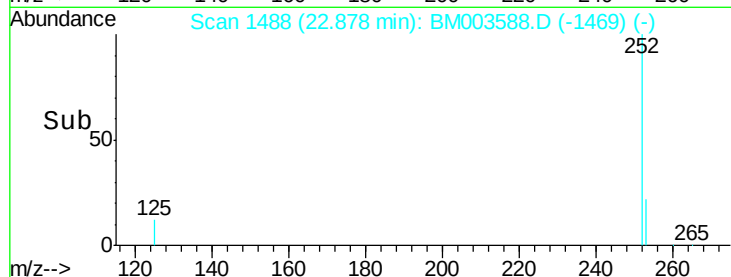
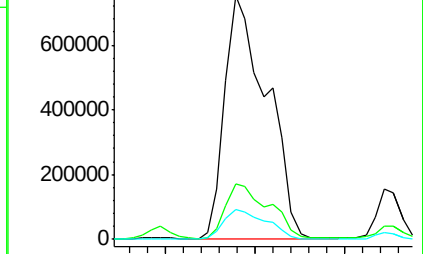
125 12.0 0.0 28.8



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: 44.25 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.05 min

Lab File: BM003588.D

Acq: 16 Dec 2015 21:30

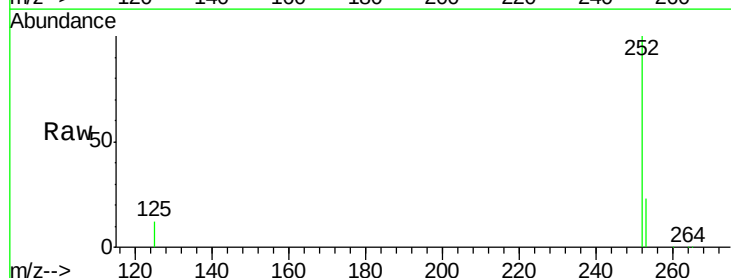
Tgt Ion:252 Resp: 2458365

Ion Ratio Lower Upper

252 100

253 22.7 19.8 29.8

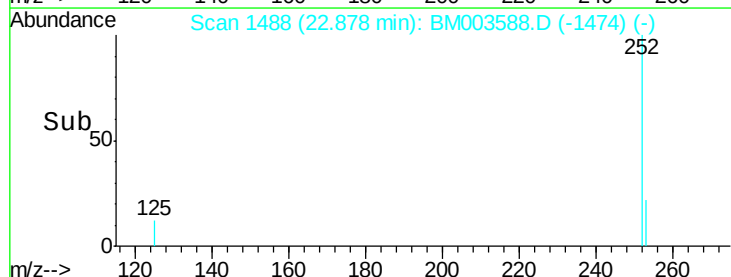
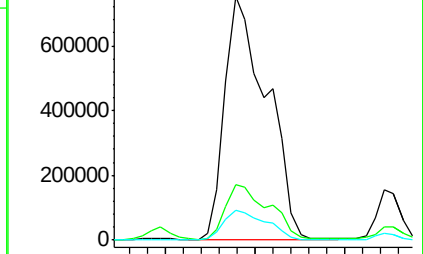
125 12.0 10.4 15.6

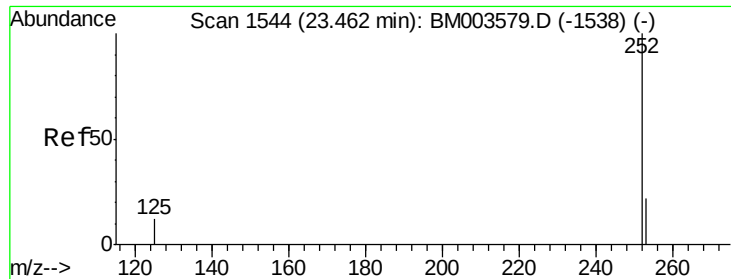


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 19.93 ng/ul

RT: 23.45 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BM003588.D

Acq: 16 Dec 2015 21:30

Instrument :

BNA_M

ClientSampleId :

D9N34

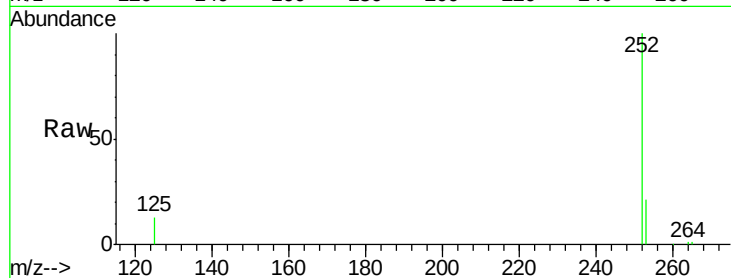
Tgt Ion:252 Resp: 1030240

Ion Ratio Lower Upper

252 100

253 21.4 19.4 29.2

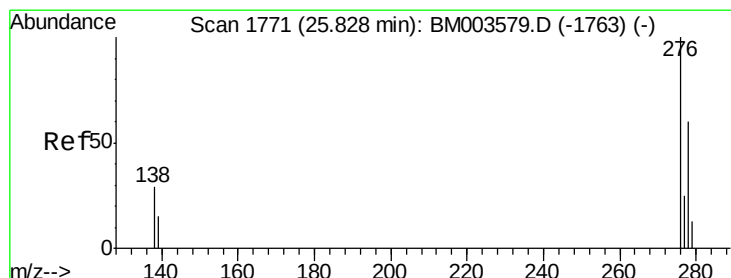
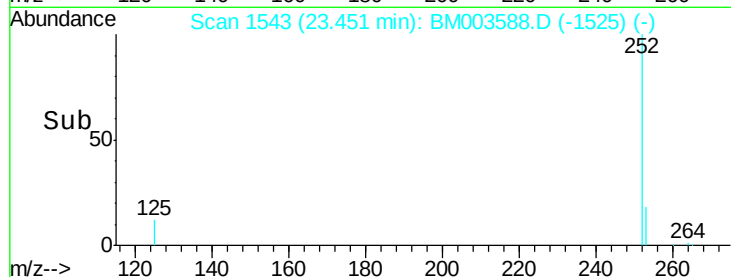
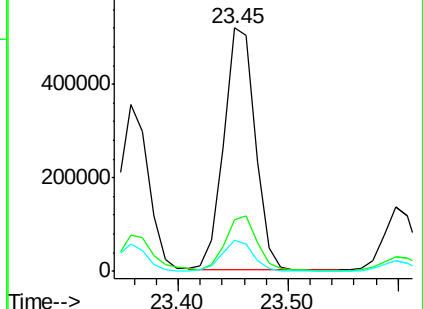
125 12.9 12.7 19.1



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: 4.94 ng/ul

RT: 25.82 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BM003588.D

Acq: 16 Dec 2015 21:30

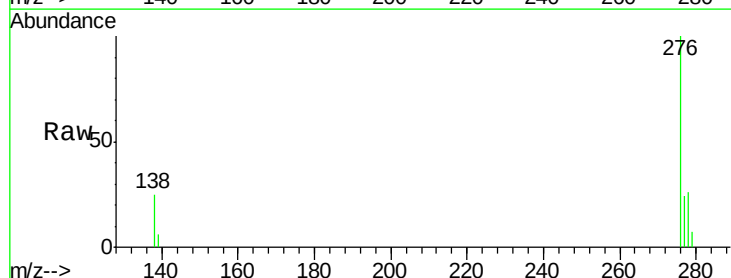
Tgt Ion:276 Resp: 295953

Ion Ratio Lower Upper

276 100

138 25.4 16.3 24.5#

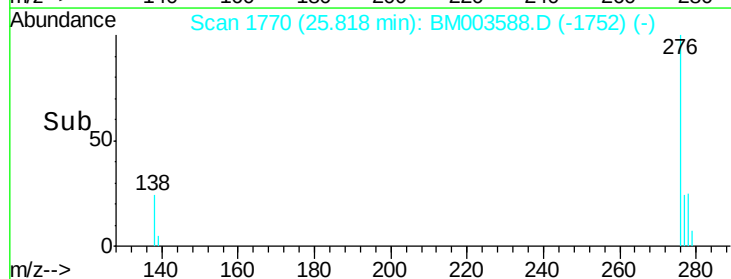
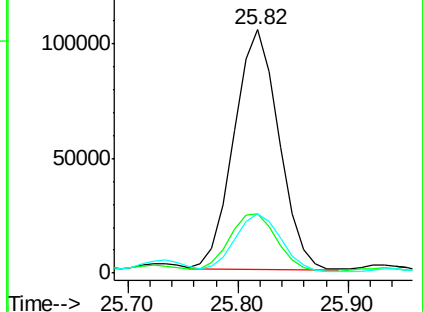
277 24.6 19.8 29.8

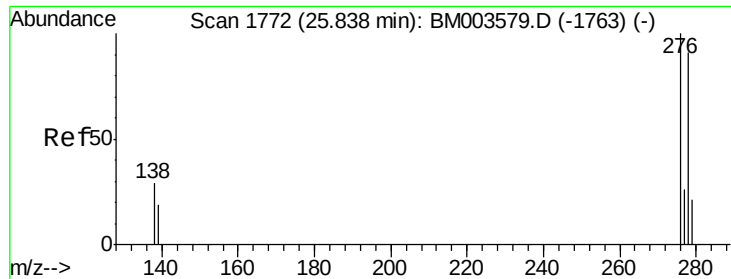


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

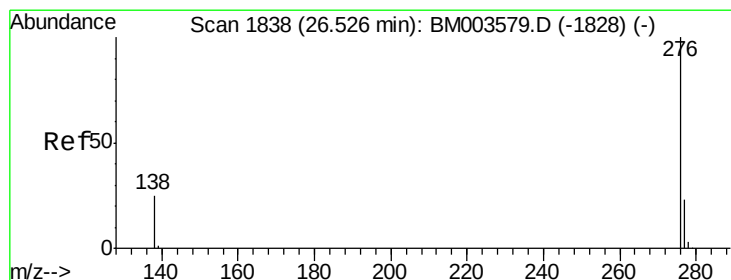
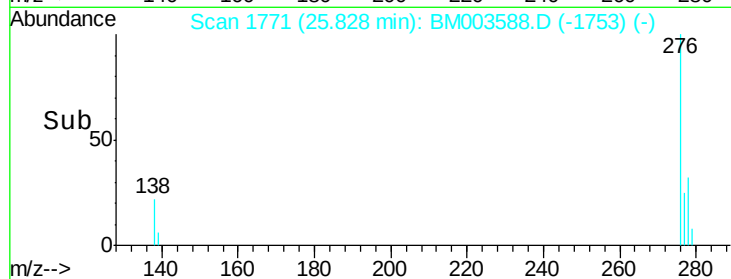
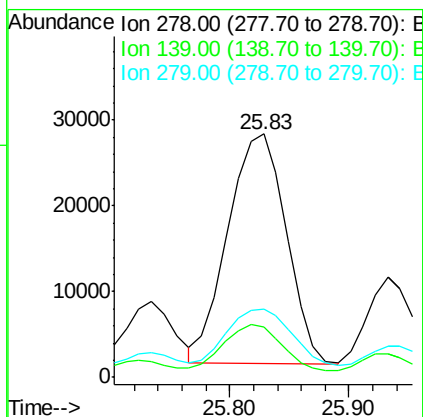
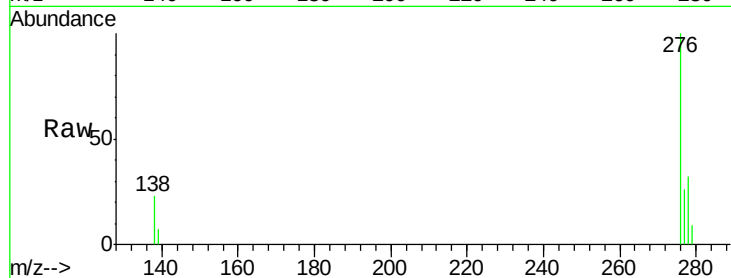




#27
Dibenzo(a,h)anthracene
Concen: 1.87 ng/ul
RT: 25.83 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BM003588.D
Acq: 16 Dec 2015 21:30

Instrument :
BNA_M
ClientSampleId :
D9N34

Tgt Ion: 278 Resp: 90268
Ion Ratio Lower Upper
278 100
139 20.5 16.4 24.6
279 27.8 20.2 30.2



#28
Benzo(g,h,i)perylene
Concen: 4.33 ng/ul
RT: 26.52 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BM003588.D
Acq: 16 Dec 2015 21:30

Tgt Ion: 276 Resp: 225847
Ion Ratio Lower Upper
276 100
277 24.2 18.9 28.3
138 24.9 22.5 33.7

