

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121615\
 Data File : BM003589.D
 Acq On : 16 Dec 2015 22:06
 Operator : UM/IZ
 Sample : G4767-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N35

Quant Time: Dec 17 03:02:37 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	4703	0.40	ng/ul	0.00
4) Naphthalene-d8	10.51	136	19797	0.40	ng/ul	0.01
8) Acenaphthene-d10	14.35	164	77208	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.12	188	23216	0.40	ng/ul	0.02
18) Chrysene-d12	21.32	240	23220	0.40	ng/ul	0.00
22) Perylene-d12	23.56	264	18299	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	10363	5.16	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.10	152	4369	0.18	ng/ul	0.00
16) Fluoranthene-d10	19.25	212	13204	0.27	ng/ul	0.10

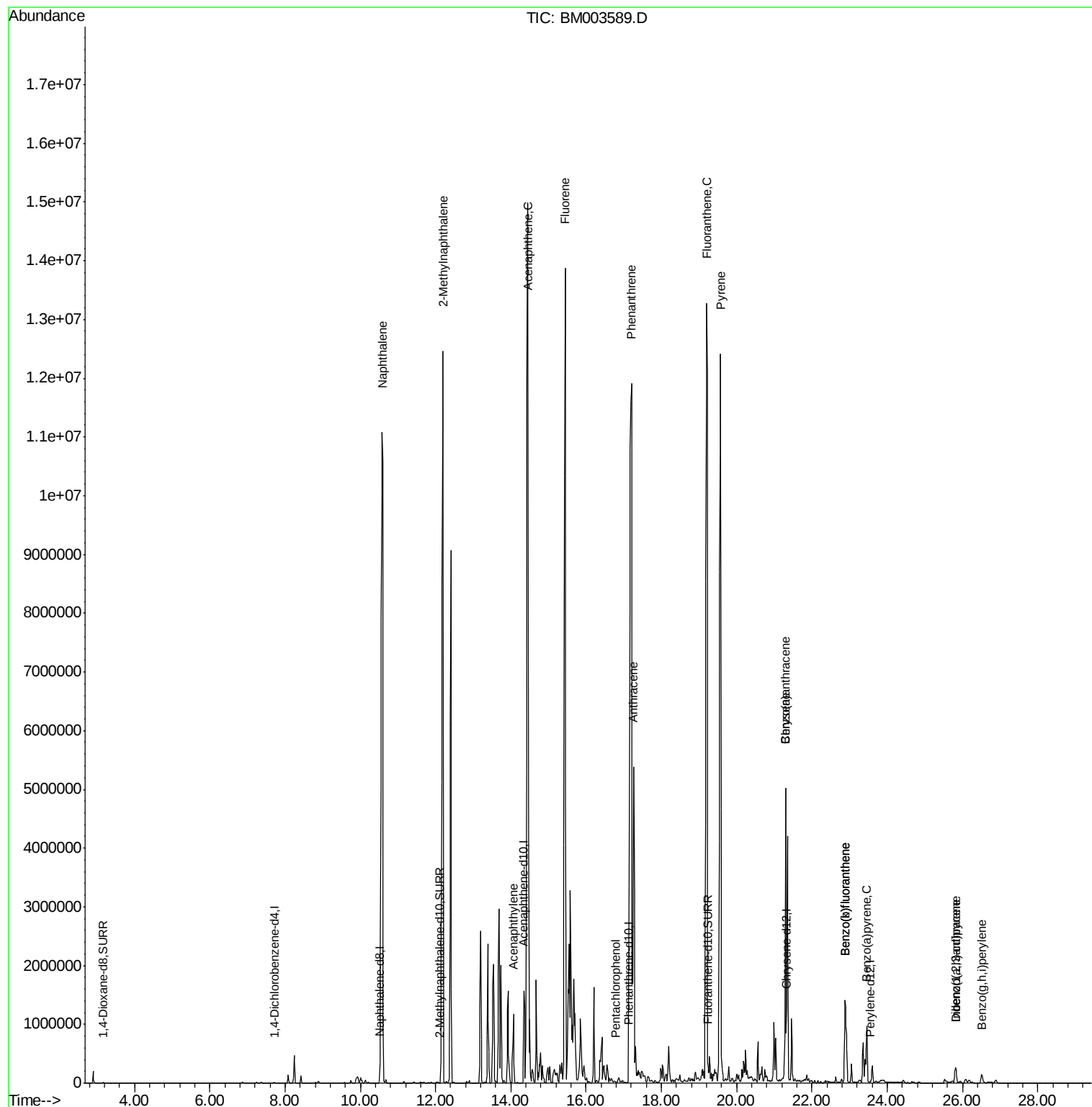
Target Compounds				Qvalue		
5) Naphthalene	10.58	128	26671946	598.04	ng/ul#	86
7) 2-Methylnaphthalene	12.19	142	12075083	403.30	ng/ul	96
9) Acenaphthylene	14.07	152	1214572	4.12	ng/ul#	92
10) Acenaphthene	14.45	153	15822895	66.56	ng/ul#	86
11) Fluorene	15.44	166	14774754	56.07	ng/ul	86
13) Pentachlorophenol	16.80	266	97	0.03	ng/ul	90
14) Phenanthrene	17.21	178	33708535	562.93	ng/ul#	83
15) Anthracene	17.26	178	6703239	129.40	ng/ul#	93
17) Fluoranthene	19.21	202	23331765	358.80	ng/ul	87
19) Pyrene	19.57	202	17088915	272.62	ng/ul#	85
20) Benzo(a)anthracene	21.30	228	4994975	88.11	ng/ul#	91
21) Chrysene	21.30	228	4994975	76.90	ng/ul	94
23) Benzo(b)fluoranthene	22.88	252	3425654	54.85	ng/ul	98
24) Benzo(k)fluoranthene	22.88	252	3425654	60.51	ng/ul	96
25) Benzo(a)pyrene	23.45	252	1413481	26.83	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	25.82	276	413703	6.77	ng/ul#	95
27) Dibenzo(a,h)anthracene	25.82	278	126142	2.56	ng/ul	95
28) Benzo(g,h,i)perylene	26.52	276	307923	5.79	ng/ul	96

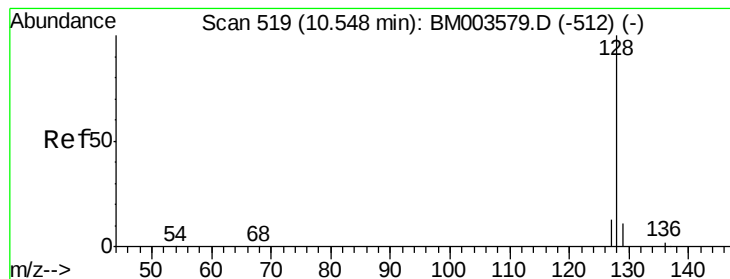
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 598.04 ng/ul

RT: 10.58 min Scan# 522

Delta R.T. 0.04 min

Lab File: BM003589.D

Acq: 16 Dec 2015 22:06

Instrument :

BNA_M

ClientSampleId :

D9N35

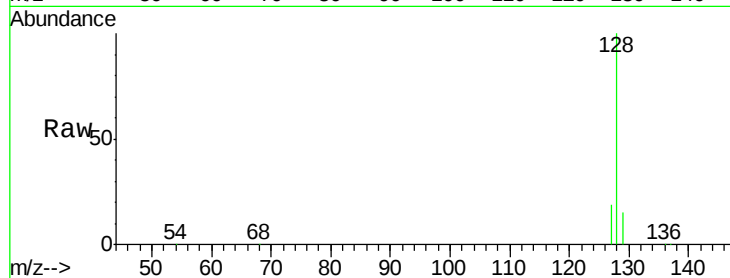
Tgt Ion:128 Resp:26671946

Ion Ratio Lower Upper

128 100

129 15.0 9.0 13.6#

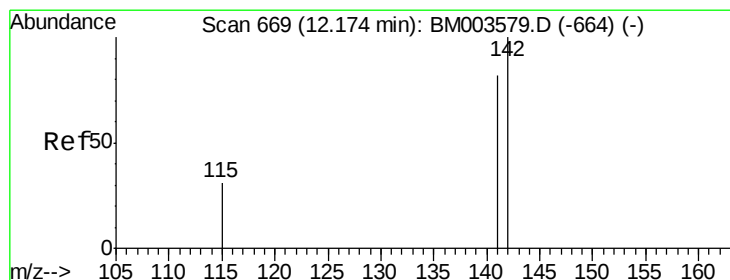
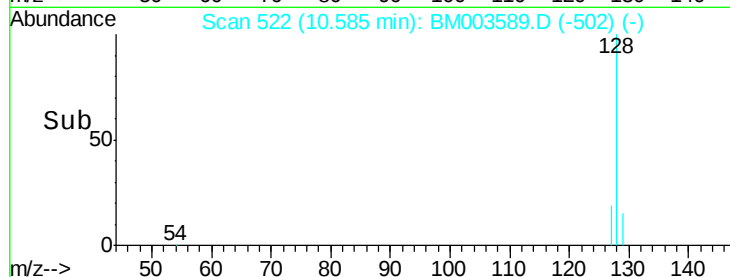
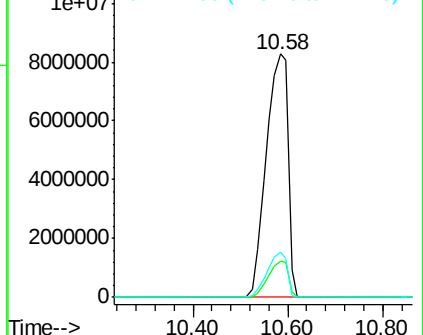
127 18.8 9.6 14.4#



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: 403.30 ng/ul

RT: 12.19 min Scan# 671

Delta R.T. 0.02 min

Lab File: BM003589.D

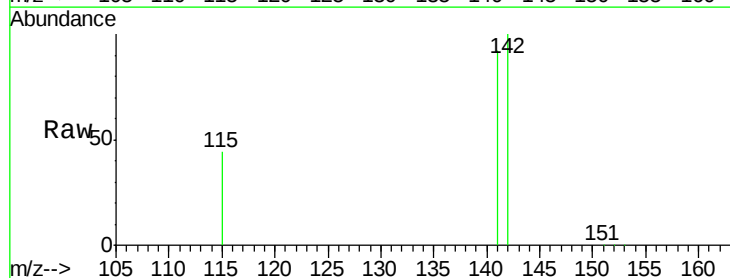
Acq: 16 Dec 2015 22:06

Tgt Ion:142 Resp:12075083

Ion Ratio Lower Upper

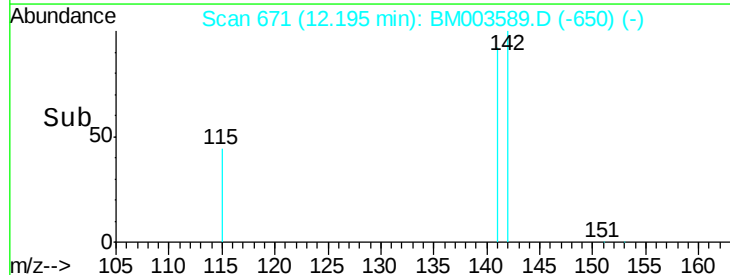
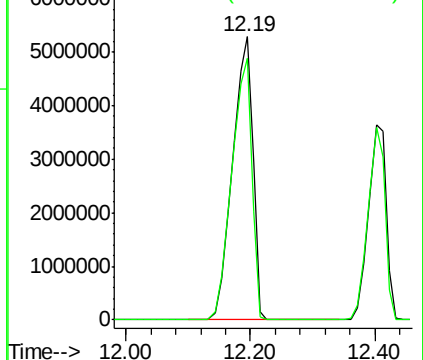
142 100

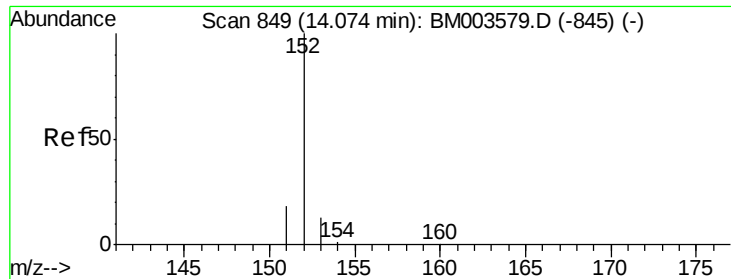
141 91.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 4.12 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. -0.00 min

Lab File: BM003589.D

Acq: 16 Dec 2015 22:06

Instrument :

BNA_M

ClientSampleId :

D9N35

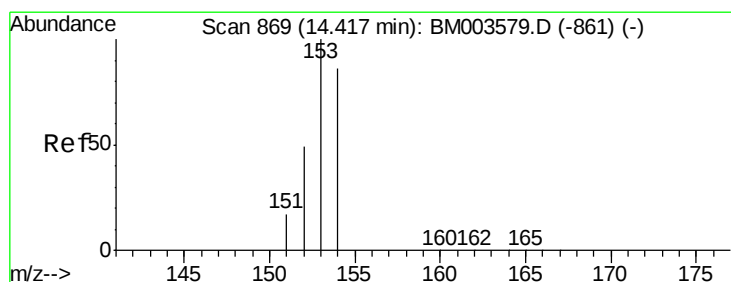
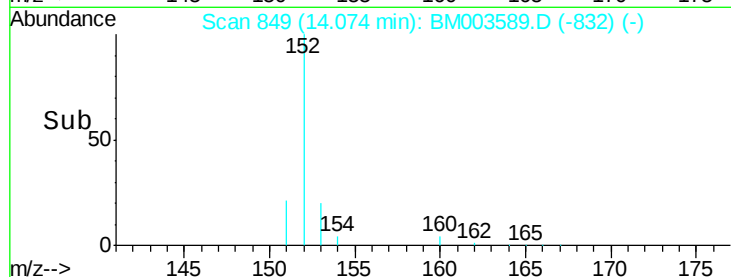
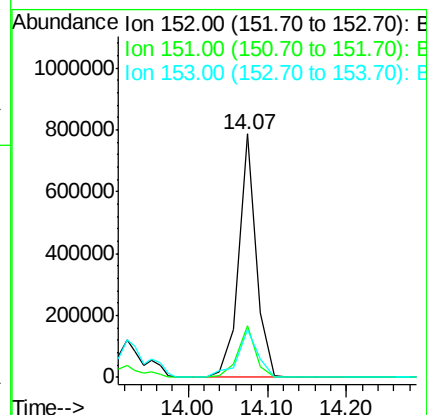
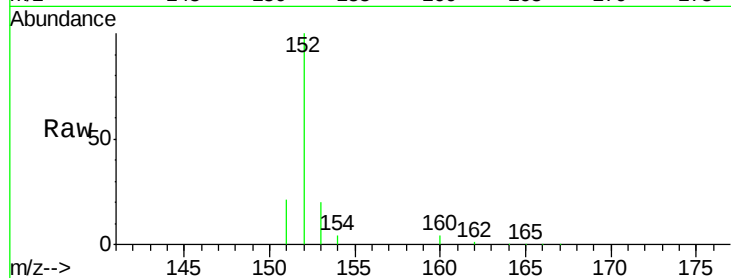
Tgt Ion:152 Resp: 1214572

Ion Ratio Lower Upper

152 100

151 21.0 17.6 26.4

153 19.8 9.7 14.5#



#10

Acenaphthene

Concen: 66.56 ng/ul

RT: 14.45 min Scan# 871

Delta R.T. 0.03 min

Lab File: BM003589.D

Acq: 16 Dec 2015 22:06

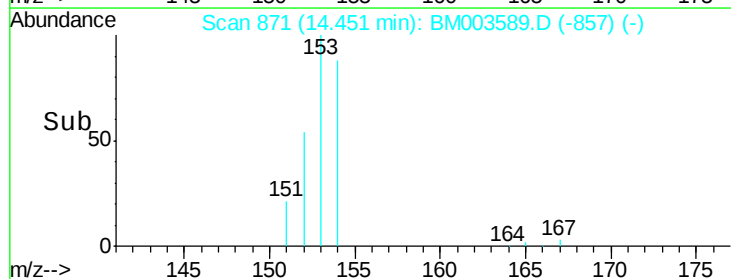
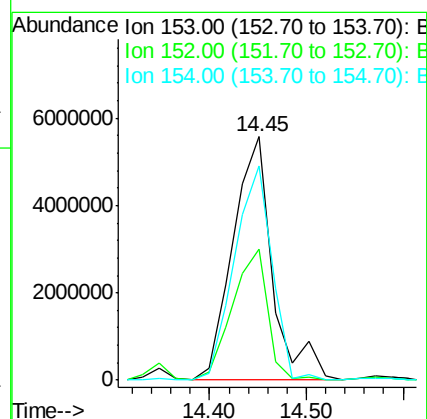
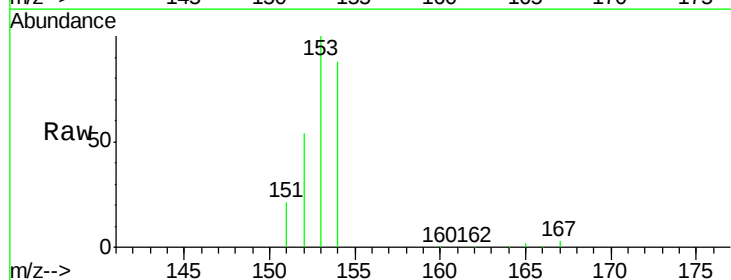
Tgt Ion:153 Resp:15822895

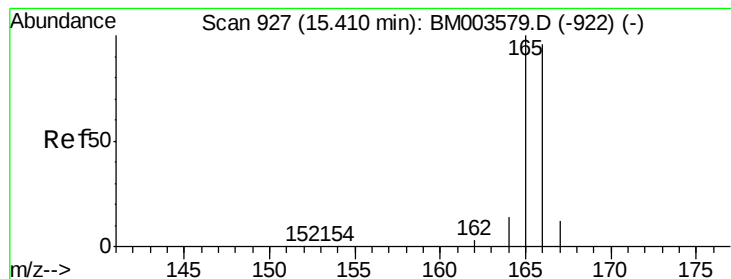
Ion Ratio Lower Upper

153 100

152 53.8 33.9 50.9#

154 87.9 80.6 121.0





#11

Fluorene

Concen: 56.07 ng/ul

RT: 15.44 min Scan# 929

Delta R.T. 0.03 min

Lab File: BM003589.D

Acq: 16 Dec 2015 22:06

Instrument :

BNA_M

ClientSampleId :

D9N35

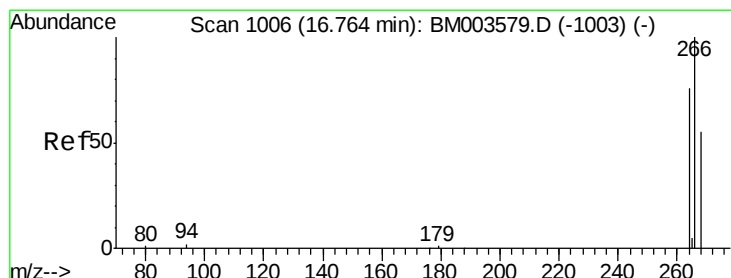
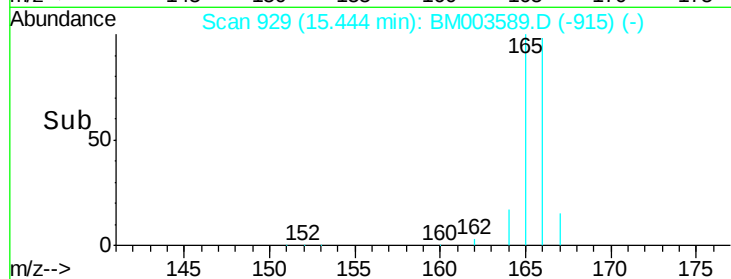
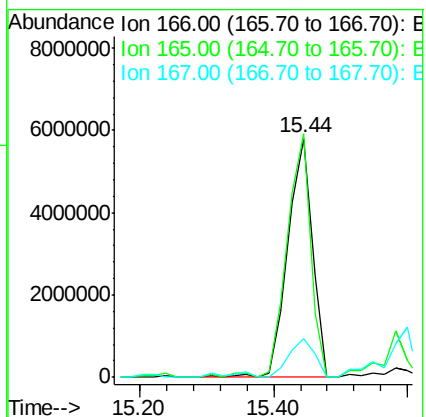
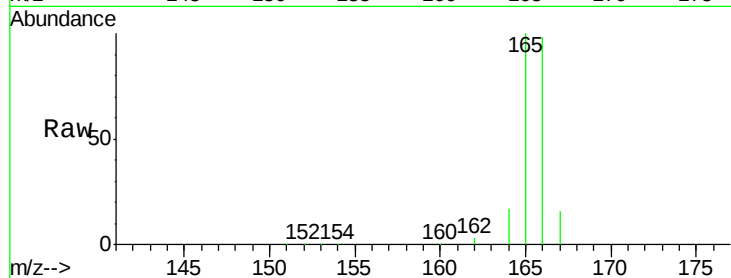
Tgt Ion:166 Resp:14774754

Ion Ratio Lower Upper

166 100

165 102.1 69.6 104.4

167 16.3 11.9 17.9



#13

Pentachlorophenol

Concen: 0.03 ng/ul

RT: 16.80 min Scan# 1008

Delta R.T. 0.03 min

Lab File: BM003589.D

Acq: 16 Dec 2015 22:06

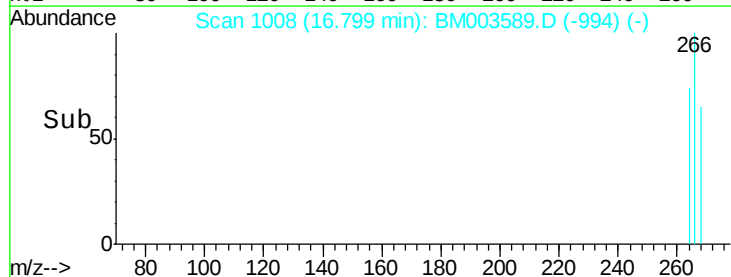
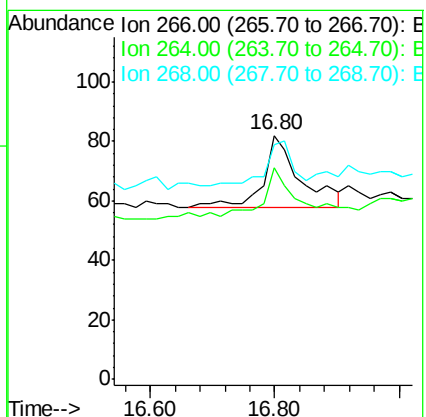
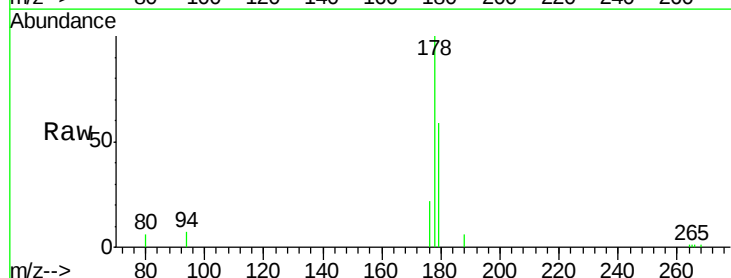
Tgt Ion:266 Resp: 97

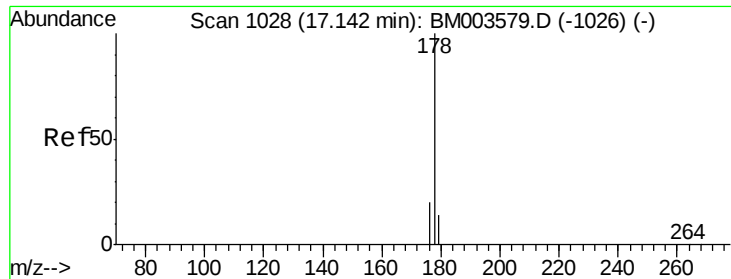
Ion Ratio Lower Upper

266 100

264 60.8 51.8 77.8

268 47.4 46.8 70.2





#14

Phenanthrene

Concen: 562.93 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. 0.07 min

Lab File: BM003589.D

Acq: 16 Dec 2015 22:06

Instrument :

BNA_M

ClientSampleId :

D9N35

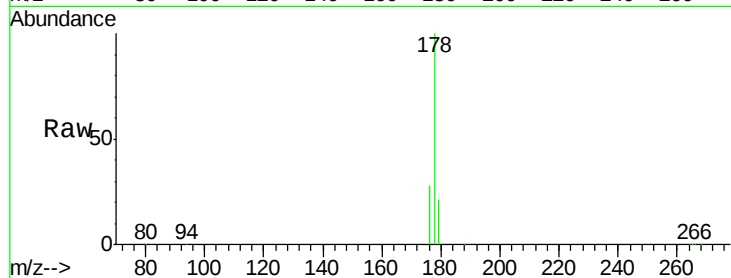
Tgt Ion:178 Resp:33708535

Ion Ratio Lower Upper

178 100

176 27.6 13.0 19.4#

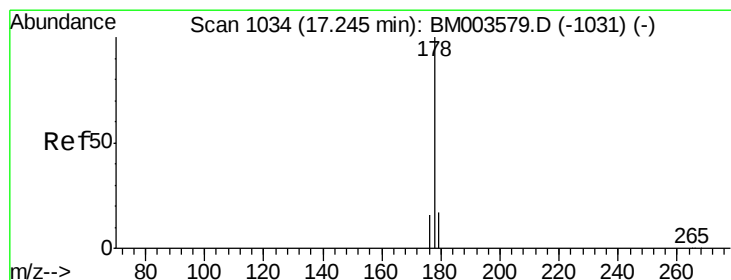
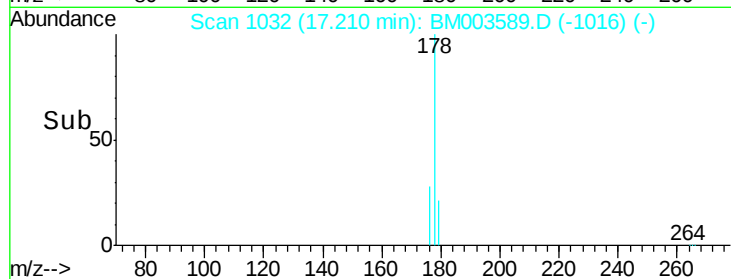
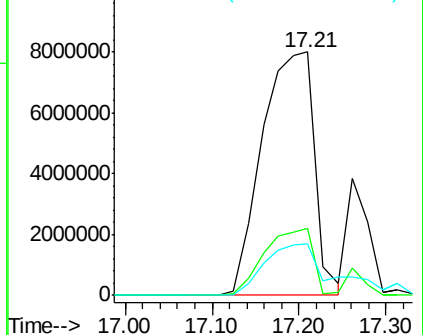
179 21.1 14.2 21.2



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: 129.40 ng/ul

RT: 17.26 min Scan# 1035

Delta R.T. 0.02 min

Lab File: BM003589.D

Acq: 16 Dec 2015 22:06

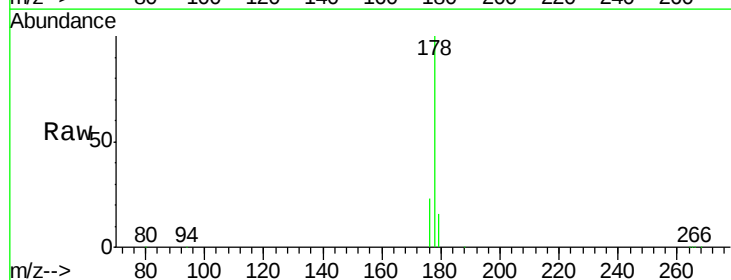
Tgt Ion:178 Resp: 6703239

Ion Ratio Lower Upper

178 100

176 23.1 14.0 21.0#

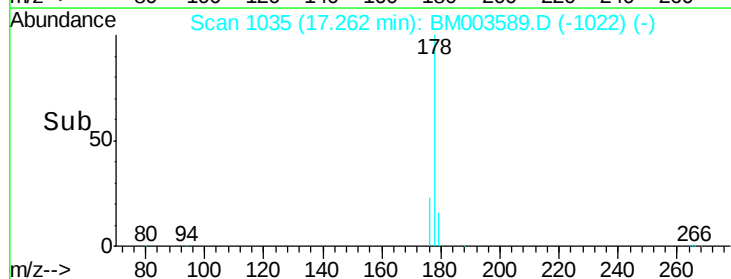
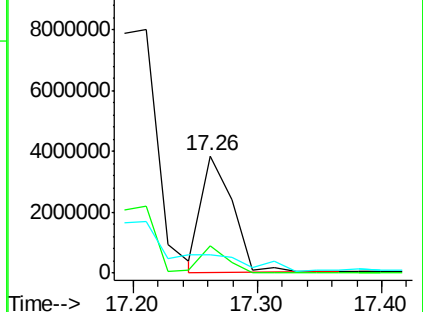
179 16.1 12.9 19.3

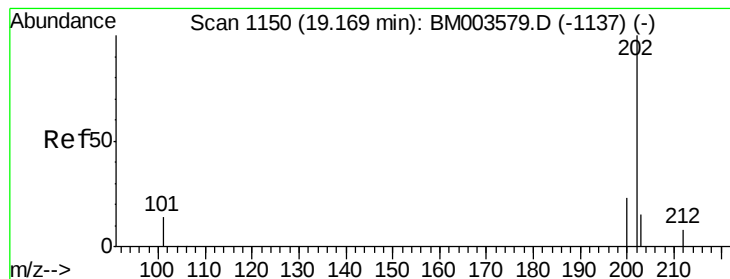


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 358.80 ng/ul

RT: 19.21 min Scan# 1153

Delta R.T. 0.04 min

Lab File: BM003589.D

Acq: 16 Dec 2015 22:06

Instrument :

BNA_M

ClientSampleId :

D9N35

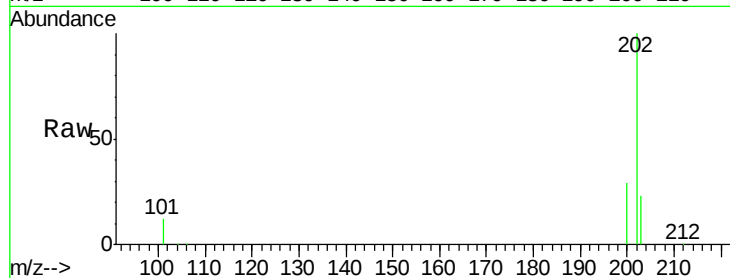
Tgt Ion:202 Resp:23331765

Ion Ratio Lower Upper

202 100

101 12.3 0.0 29.6

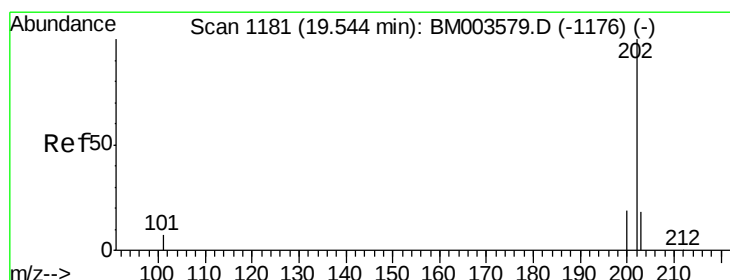
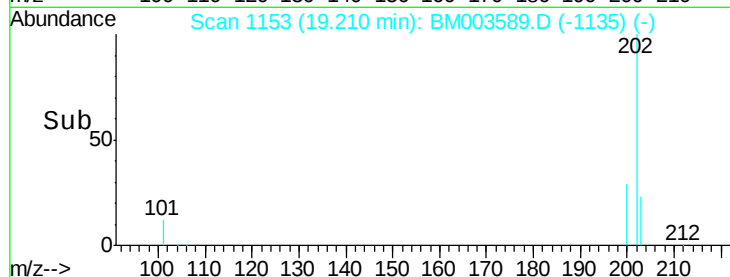
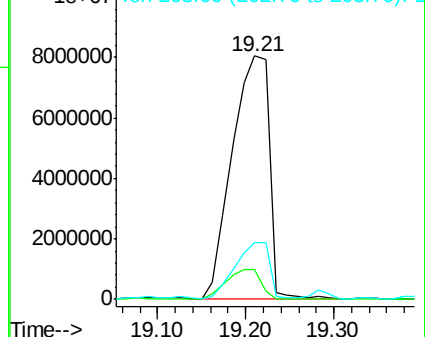
203 23.2 0.0 36.3



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: 272.62 ng/ul

RT: 19.57 min Scan# 1183

Delta R.T. 0.03 min

Lab File: BM003589.D

Acq: 16 Dec 2015 22:06

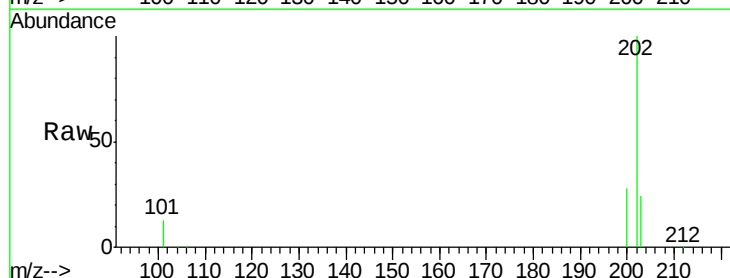
Tgt Ion:202 Resp:17088915

Ion Ratio Lower Upper

202 100

200 28.3 17.8 26.8#

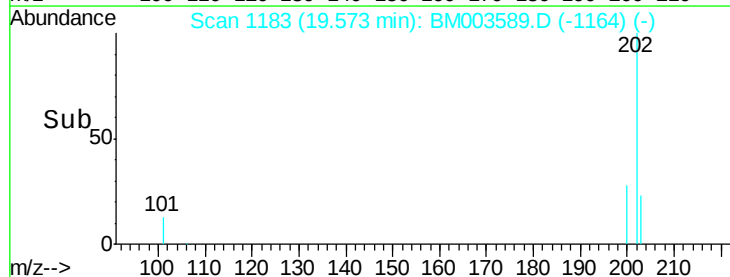
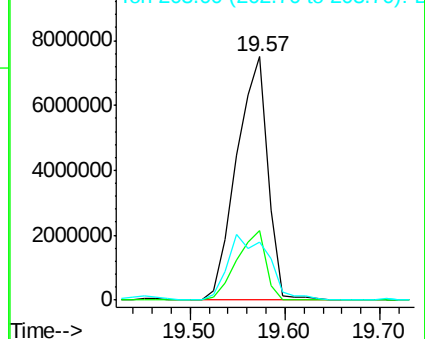
203 23.7 12.8 19.2#

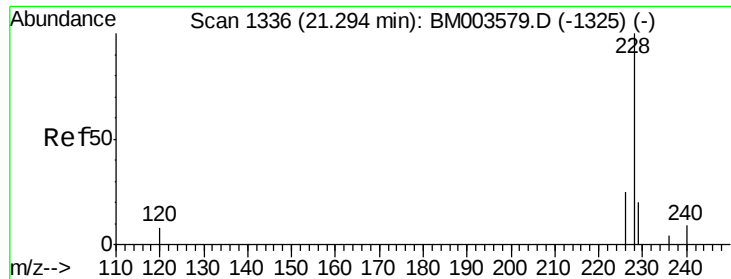


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 88.11 ng/ul

RT: 21.30 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BM003589.D

Acq: 16 Dec 2015 22:06

Instrument :

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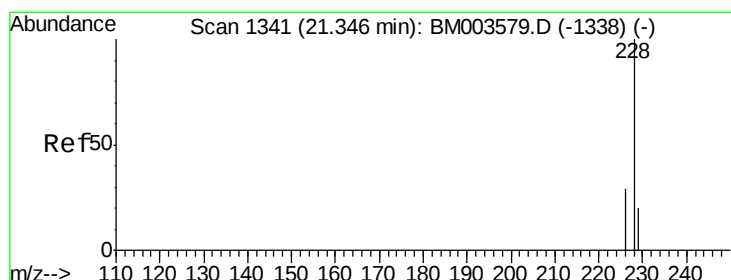
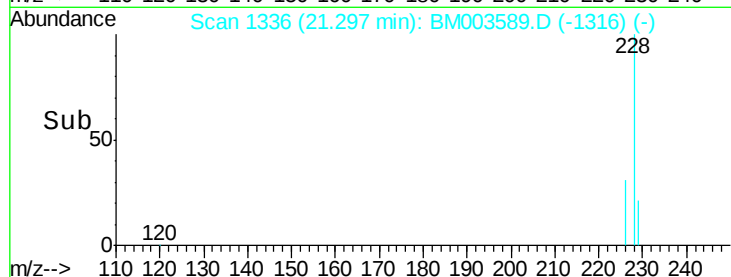
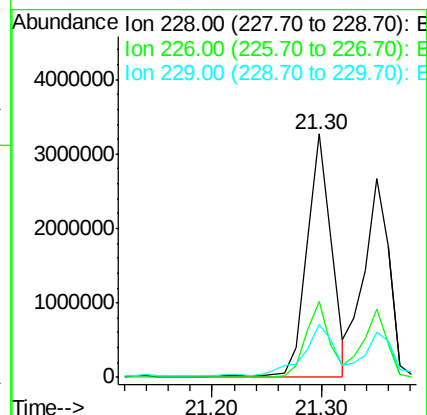
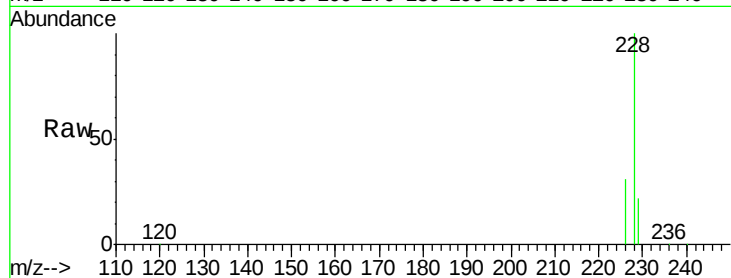
Tgt Ion:228 Resp: 4994975

Ion Ratio Lower Upper

228 100

226 31.4 18.8 28.2#

229 21.8 17.1 25.7



#21

Chrysene

Concen: 76.90 ng/ul

RT: 21.30 min Scan# 1336

Delta R.T. -0.05 min

Lab File: BM003589.D

Acq: 16 Dec 2015 22:06

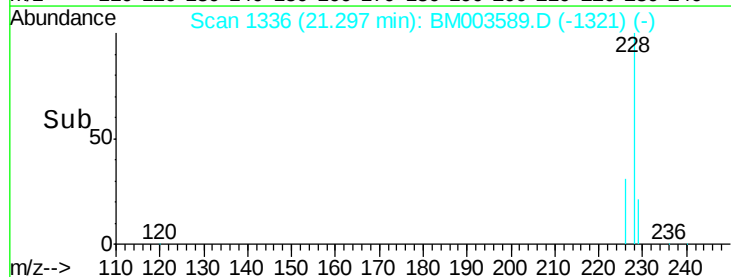
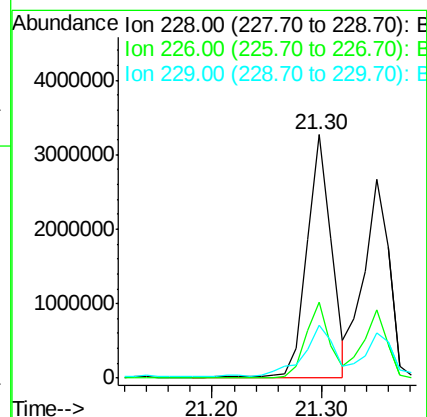
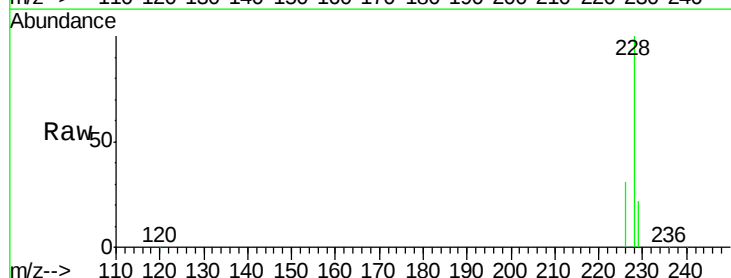
Tgt Ion:228 Resp: 4994975

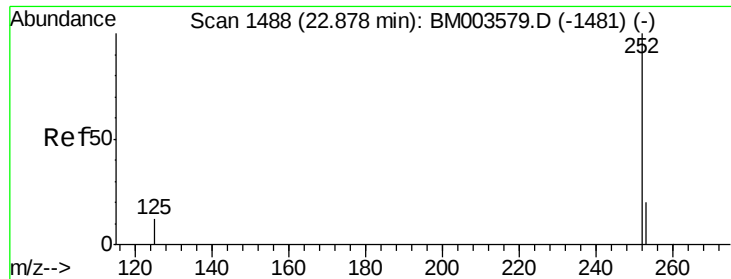
Ion Ratio Lower Upper

228 100

226 31.4 21.2 31.8

229 21.8 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 54.85 ng/u1

RT: 22.88 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BM003589.D

Acq: 16 Dec 2015 22:06

Instrument :

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ClientSampleId :

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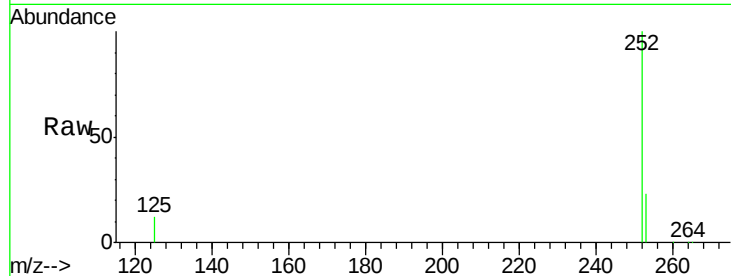
Tgt Ion:252 Resp: 3425654

Ion Ratio Lower Upper

252 100

253 22.7 0.0 45.4

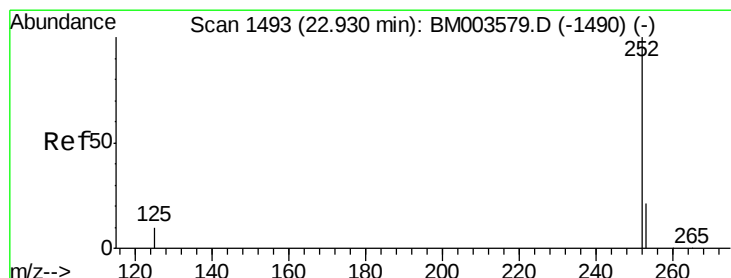
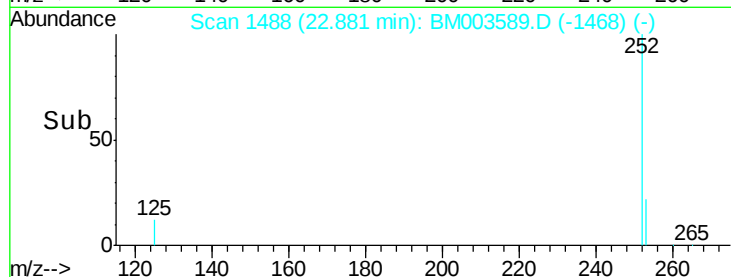
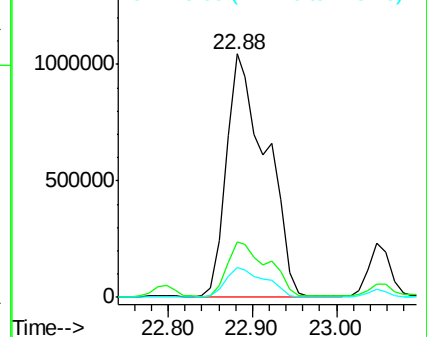
125 12.1 0.0 28.8



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: 60.51 ng/u1

RT: 22.88 min Scan# 1488

Delta R.T. -0.05 min

Lab File: BM003589.D

Acq: 16 Dec 2015 22:06

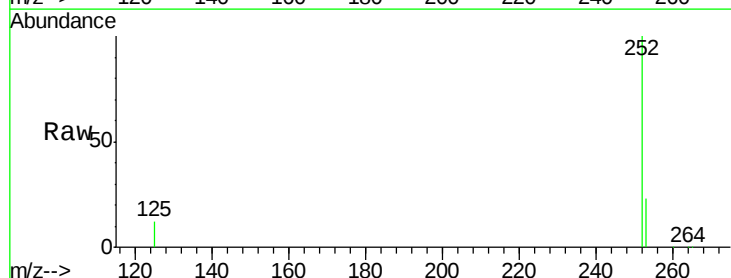
Tgt Ion:252 Resp: 3425654

Ion Ratio Lower Upper

252 100

253 22.7 19.8 29.8

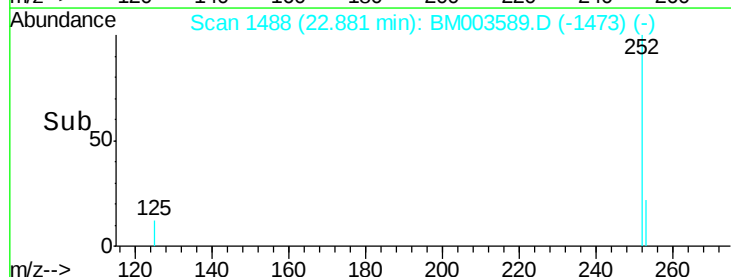
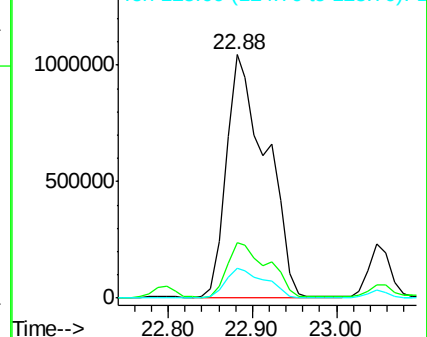
125 12.1 10.4 15.6

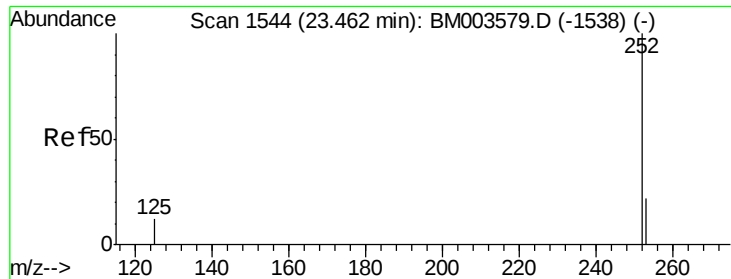


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 26.83 ng/ul

RT: 23.45 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BM003589.D

Acq: 16 Dec 2015 22:06

Instrument :

BNA_M

ClientSampleId :

D9N35

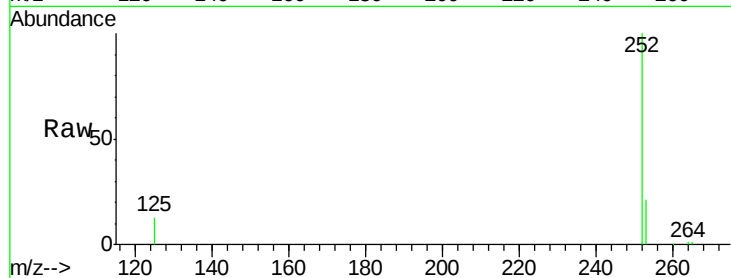
Tgt Ion:252 Resp: 1413481

Ion Ratio Lower Upper

252 100

253 21.5 19.4 29.2

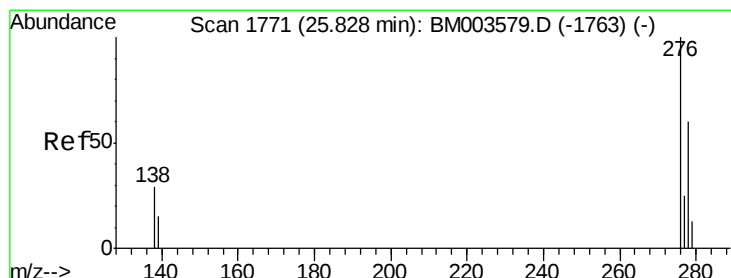
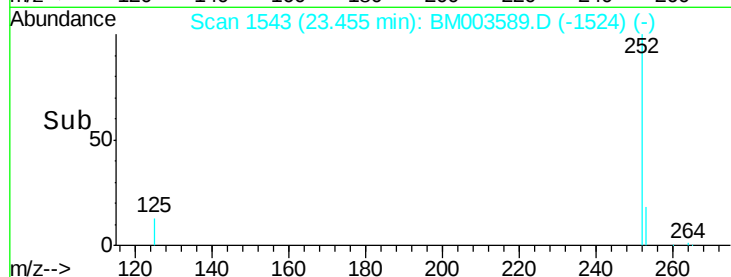
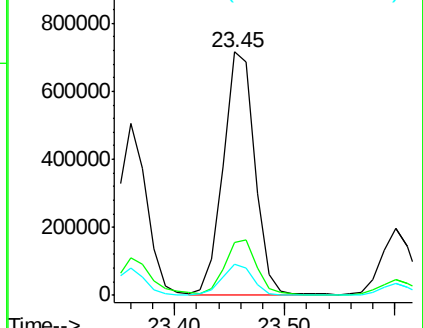
125 12.9 12.7 19.1



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: 6.77 ng/ul

RT: 25.82 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BM003589.D

Acq: 16 Dec 2015 22:06

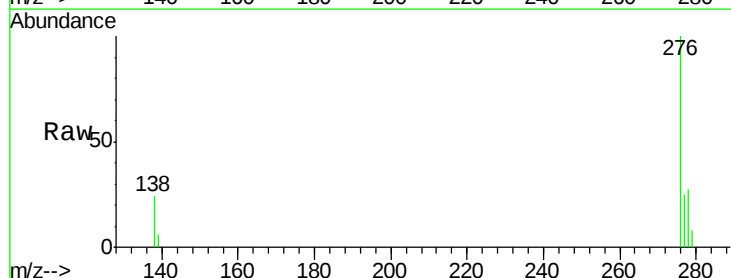
Tgt Ion:276 Resp: 413703

Ion Ratio Lower Upper

276 100

138 25.3 16.3 24.5#

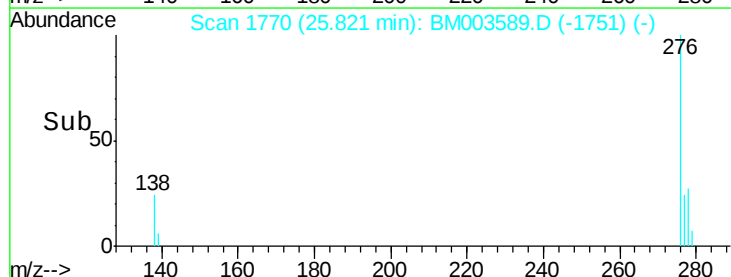
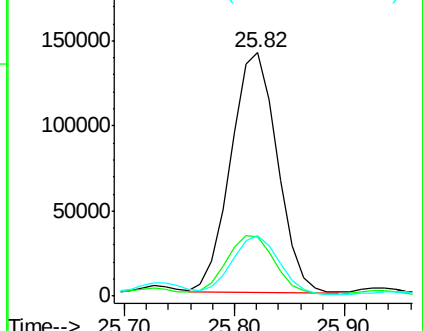
277 24.5 19.8 29.8

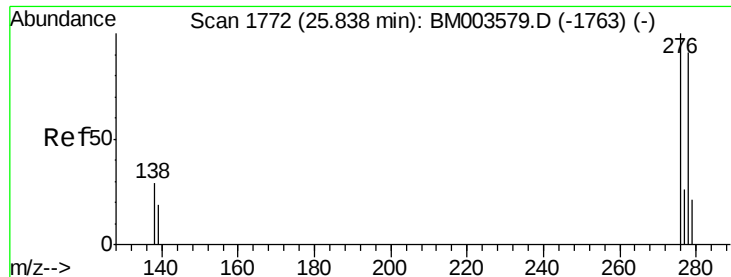


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

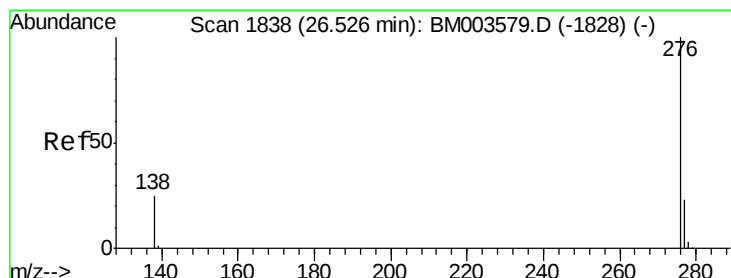
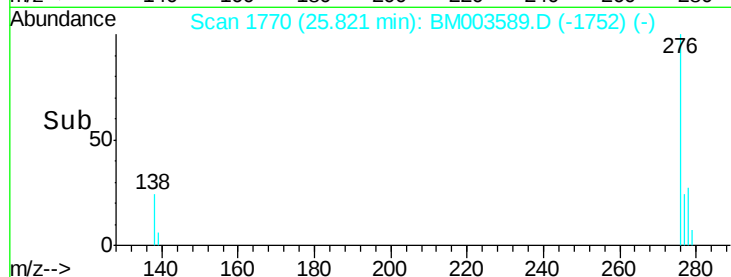
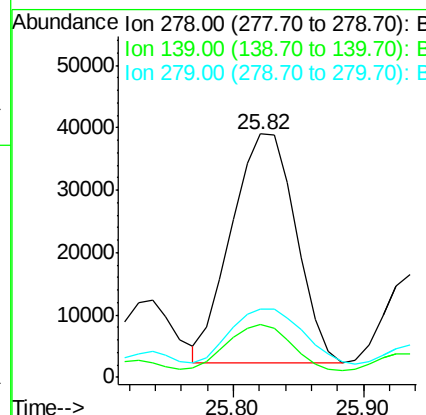
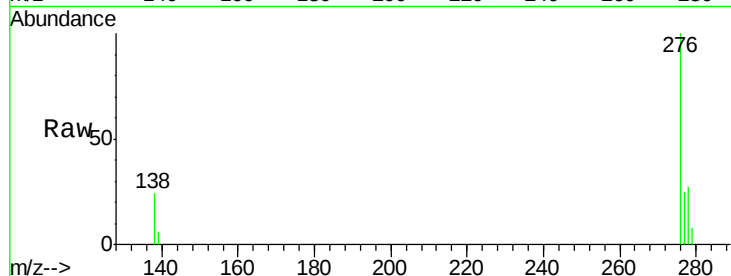




#27
Dibenzo(a,h)anthracene
Concen: 2.56 ng/ul
RT: 25.82 min Scan# 1770
Delta R.T. -0.02 min
Lab File: BM003589.D
Acq: 16 Dec 2015 22:06

Instrument :
BNA_M
ClientSampleId :
D9N35

Tgt Ion: 278 Resp: 126142
Ion Ratio Lower Upper
278 100
139 21.9 16.4 24.6
279 28.2 20.2 30.2



#28
Benzo(g,h,i)perylene
Concen: 5.79 ng/ul
RT: 26.52 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BM003589.D
Acq: 16 Dec 2015 22:06

Tgt Ion: 276 Resp: 307923
Ion Ratio Lower Upper
276 100
277 24.2 18.9 28.3
138 24.3 22.5 33.7

