

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041715\
 Data File : BM001022.D
 Acq On : 16 Apr 2015 18:21
 Operator : TP/IZ
 Sample : SSTD0.127
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.127

Quant Time: Apr 20 08:47:52 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM041815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 05:07:15 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	1254	5.00	ng	0.00
4) Naphthalene-d8	10.37	136	4543	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	2776	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	4614	5.00	ng	0.00
19) Chrysene-d12	21.20	240	3843	5.00	ng	0.00
25) Perylene-d12	23.36	264	3599	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units
5) Nitrobenzene-d5	0.00	82	0	0.00	ng
9) 2-Fluorobiphenyl	0.00	172	0	0.00	ng
21) Terphenyl-d14	0.00	244	0	0.00	ng

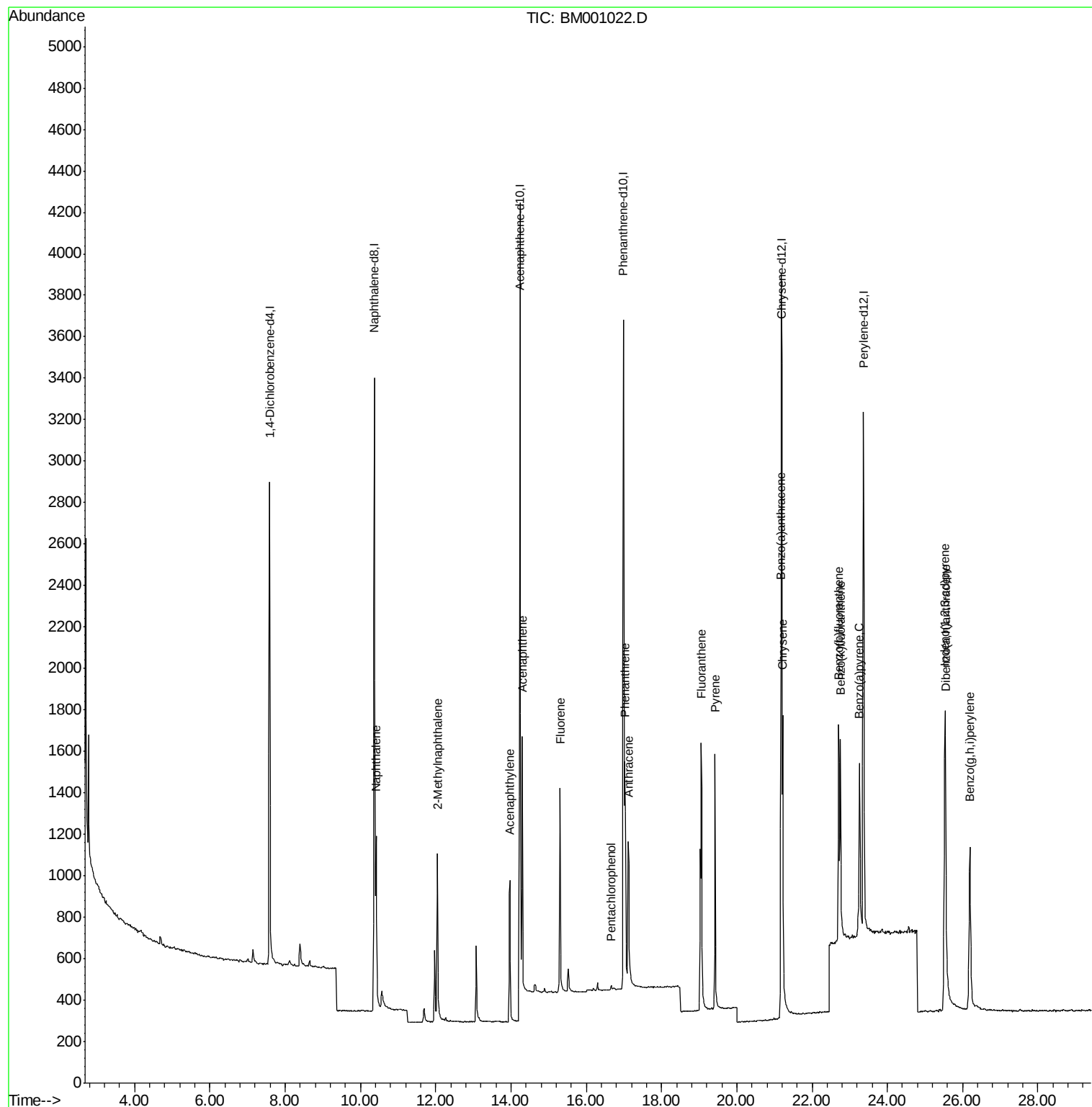
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Naphthalene	10.42	128	1194	1.10	ng	# 85
7) 2-Methylnaphthalene	12.04	142	767	1.07	ng	# 90
10) Acenaphthylene	13.97	152	982	0.82	ng	99
11) Acenaphthene	14.30	154	1554	1.78	ng	# 48
12) Fluorene	15.31	166	880	0.87	ng	100
15) Pentachlorophenol	16.67	266	33	0.63	ng	# 65
16) Phenanthrene	17.02	178	1342	0.98	ng	99
17) Anthracene	17.12	178	1251	1.16	ng	100
18) Fluoranthene	19.05	202	1517	1.25	ng	99
20) Pyrene	19.43	202	1544	1.06	ng	98
22) Benzo(a)anthracene	21.18	228	1174	0.94	ng	92
23) Chrysene	21.23	228	1488	1.13	ng	92
24) Indeno(1,2,3-cd)pyrene	25.53	276	2000	1.43	ng	99
26) Benzo(b)fluoranthene	22.71	252	1342	1.00	ng	# 71
27) Benzo(k)fluoranthene	22.75	252	1470	1.14	ng	# 72
28) Benzo(a)pyrene	23.26	252	1285	1.09	ng	# 64
29) Dibenzo(a,h)anthracene	25.54	278	1676	1.43	ng	# 80
30) Benzo(g,h,i)perylene	26.19	276	1716	1.39	ng	# 87

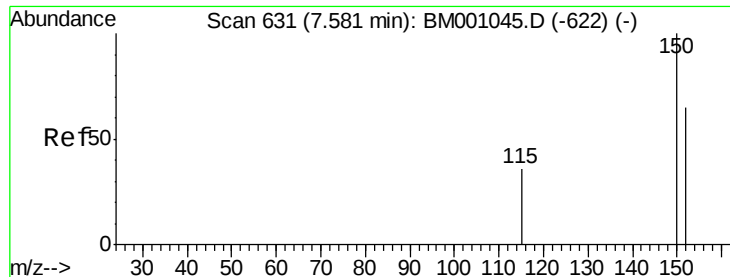
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM041815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.59 min Scan# 318

Delta R.T. 0.01 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.127

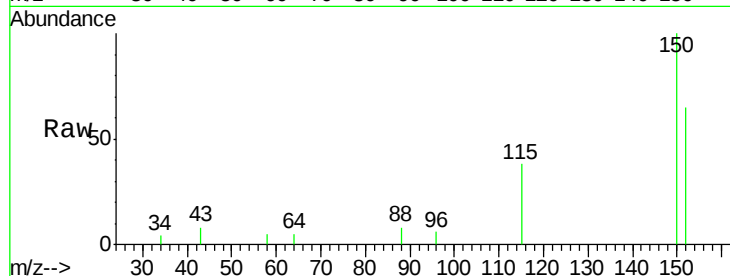
Tgt Ion:152 Resp: 1254

Ion Ratio Lower Upper

152 100

150 152.8 123.3 184.9

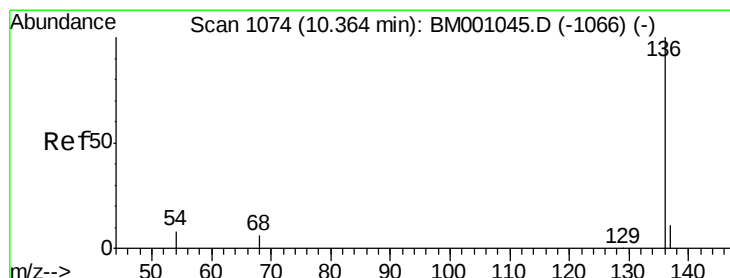
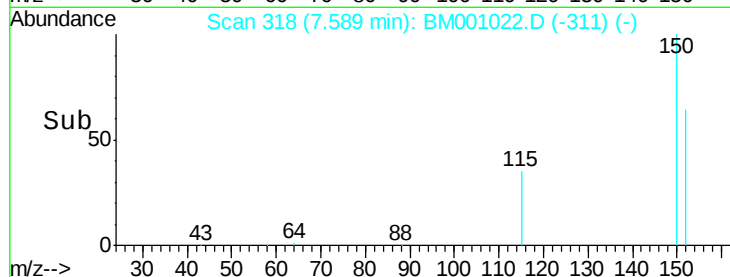
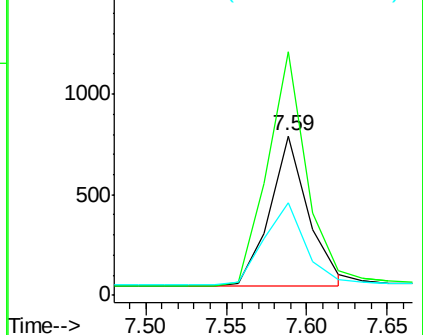
115 58.5 45.0 67.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.37 min Scan# 516

Delta R.T. 0.01 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

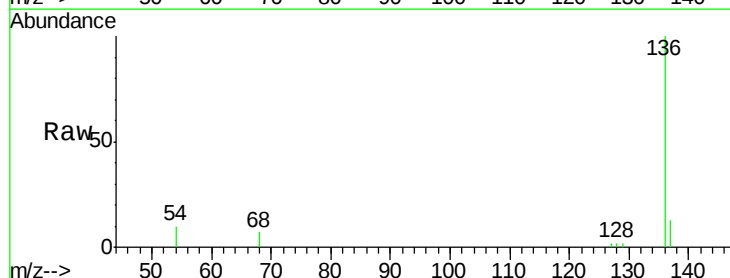
Tgt Ion:136 Resp: 4543

Ion Ratio Lower Upper

136 100

137 12.6 8.6 13.0

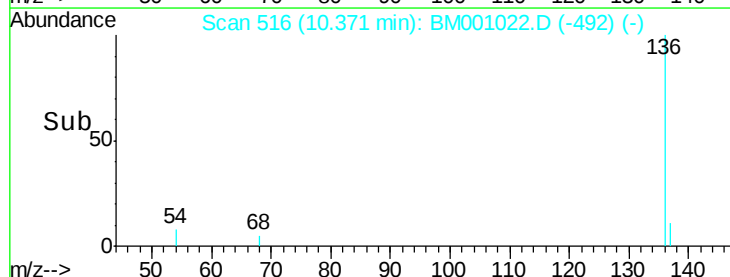
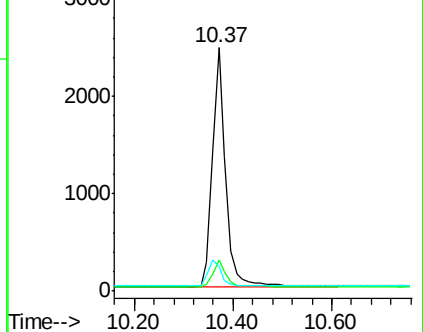
54 10.2 6.5 9.7#

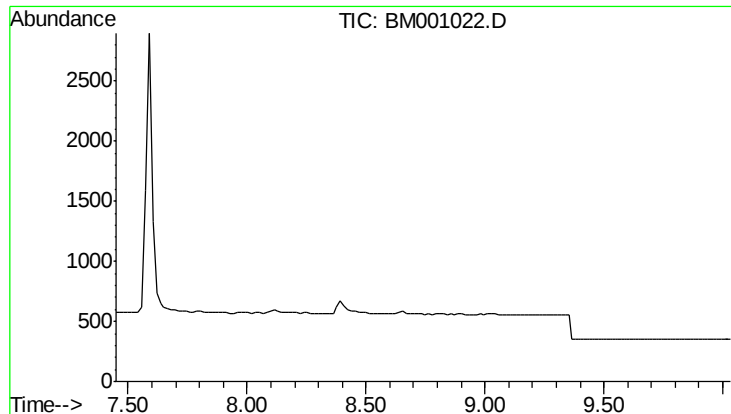


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM





#5

Nitrobenzene-d5

Concen: 0.00 ng

Expected RT: 8.74 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.127

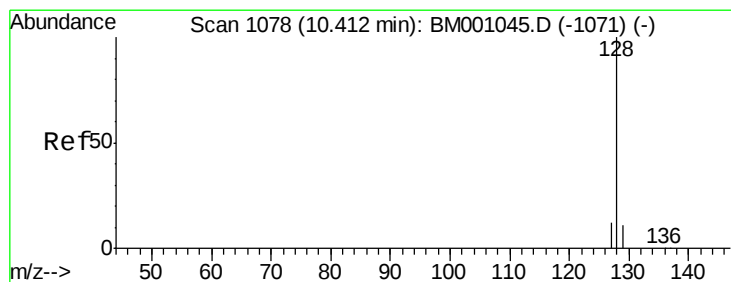
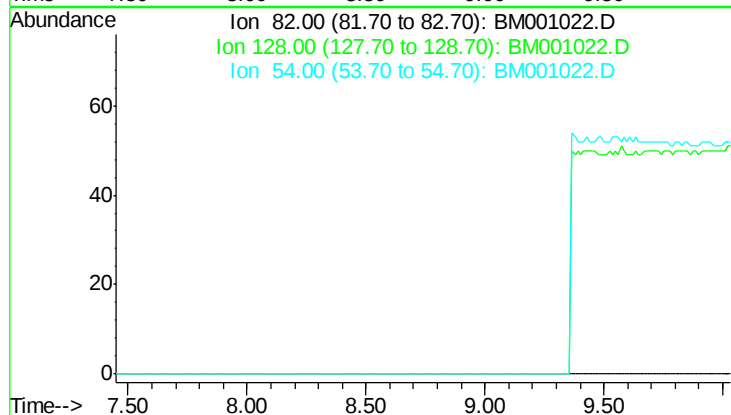
Tgt Ion: 82

Sig Exp Ratio

82 100

128 39.9

54 64.1



#6

Naphthalene

Concen: 1.10 ng

RT: 10.42 min Scan# 520

Delta R.T. 0.01 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

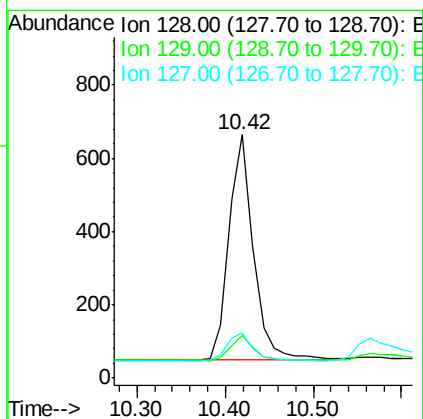
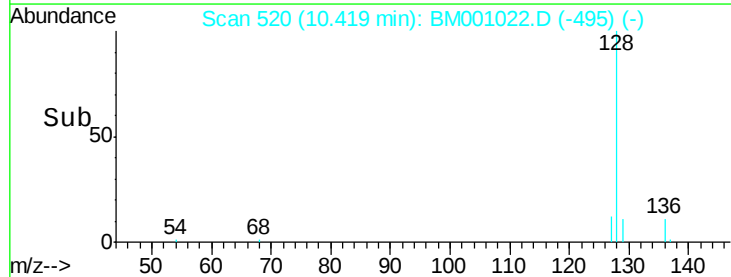
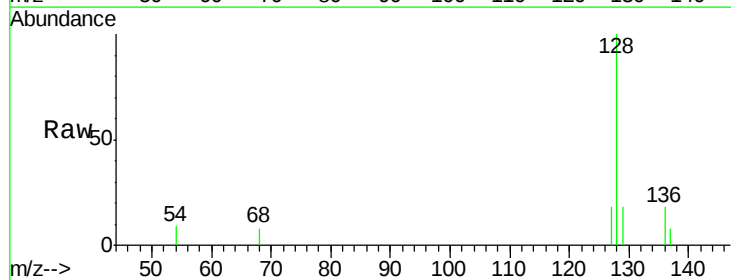
Tgt Ion: 128 Resp: 1194

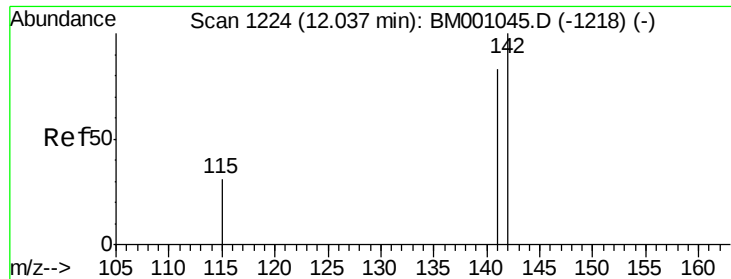
Ion Ratio Lower Upper

128 100

129 17.7 9.3 13.9#

127 18.3 10.0 15.0#





#7

2-Methylnaphthalene

Concen: 1.07 ng

RT: 12.04 min Scan# 665

Delta R.T. 0.01 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.127

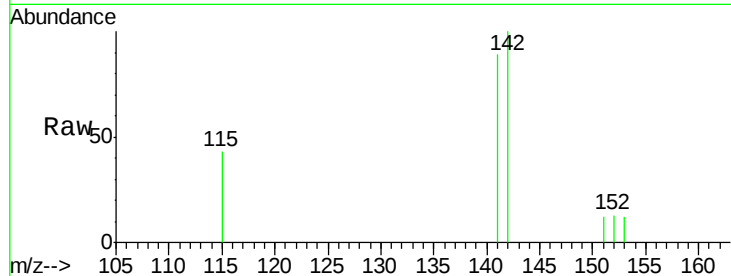
Tgt Ion:142 Resp: 767

Ion Ratio Lower Upper

142 100

141 88.6 66.7 100.1

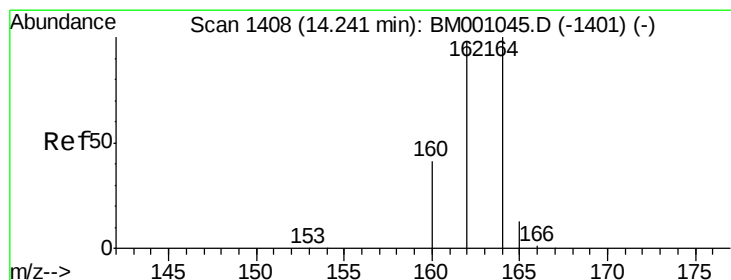
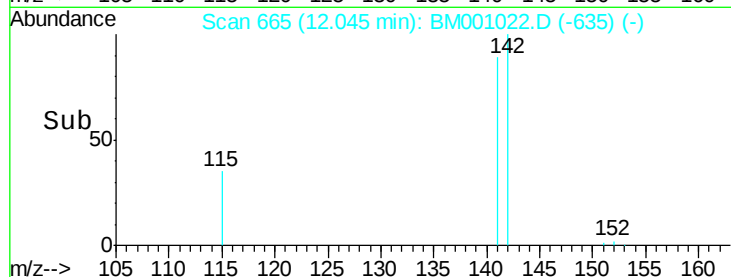
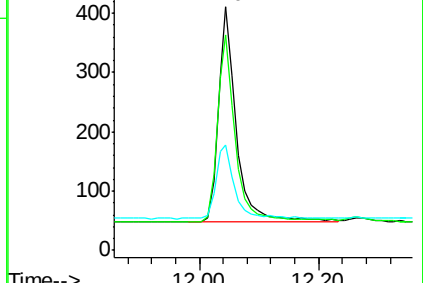
115 43.1 25.5 38.3#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

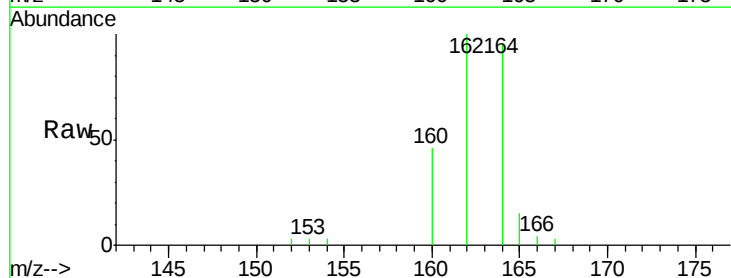
Tgt Ion:164 Resp: 2776

Ion Ratio Lower Upper

164 100

162 103.7 78.5 117.7

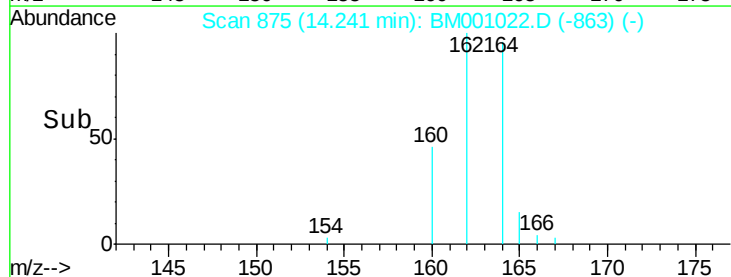
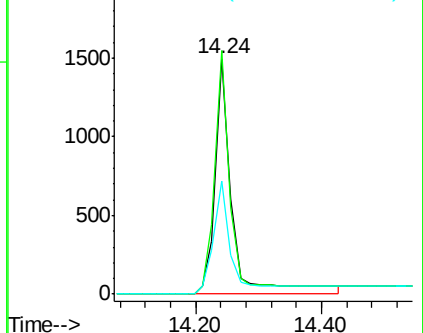
160 47.9 32.9 49.3

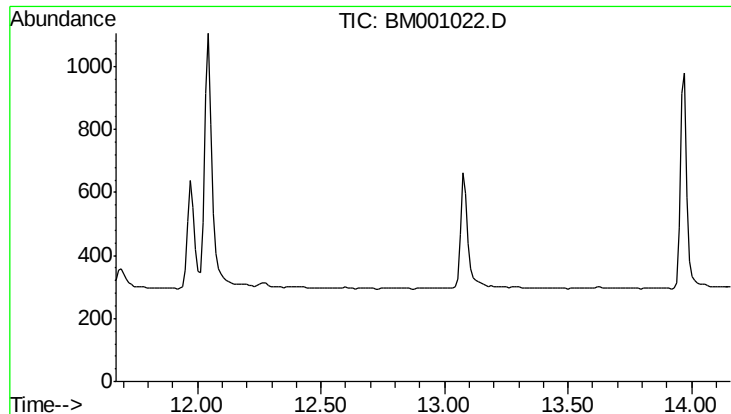


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 0.00 ng

Expected RT: 12.86 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

Instrument :

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ClientSampleId :

SSTD0.127

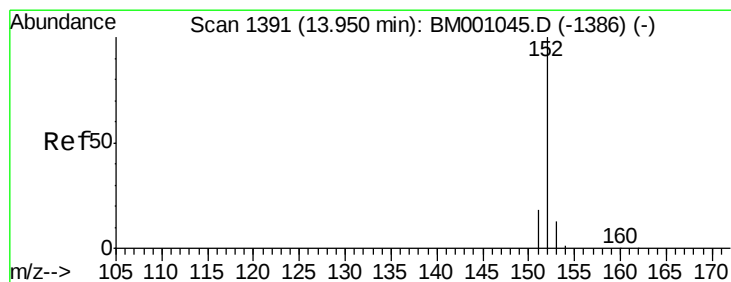
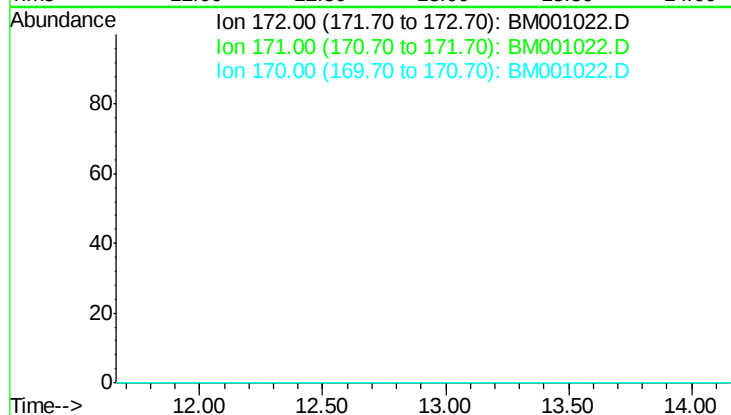
Tgt Ion: 172

Sig Exp Ratio

172 100

171 32.0

170 19.7



#10

Acenaphthylene

Concen: 0.82 ng

RT: 13.97 min Scan# 850

Delta R.T. 0.02 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

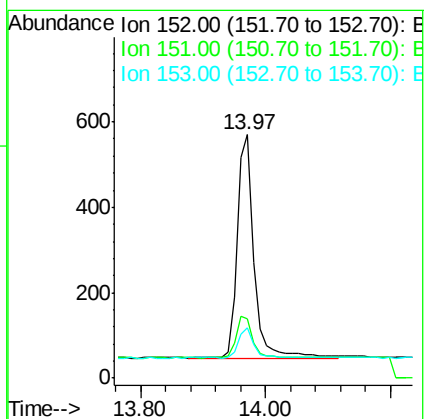
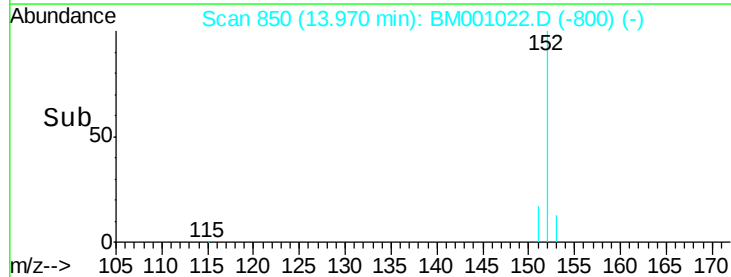
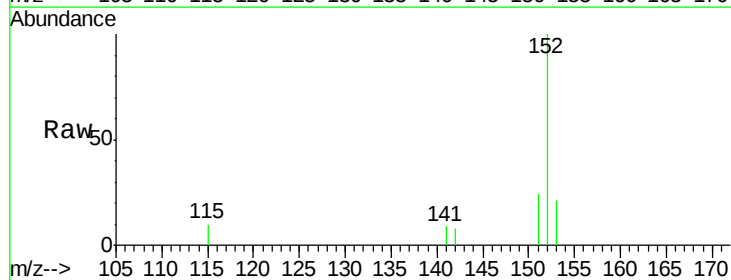
Tgt Ion: 152 Resp: 982

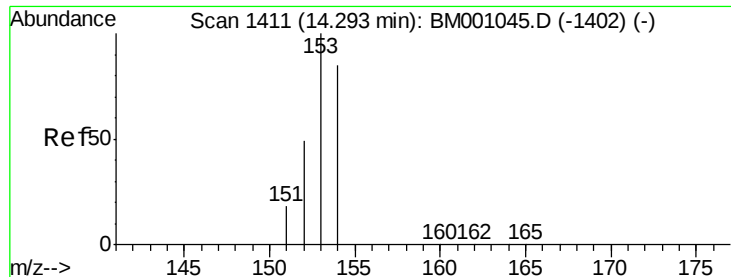
Ion Ratio Lower Upper

152 100

151 17.7 14.7 22.1

153 12.7 10.2 15.2





#11

Acenaphthene

Concen: 1.78 ng

RT: 14.30 min Scan# 879

Delta R.T. 0.01 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.127

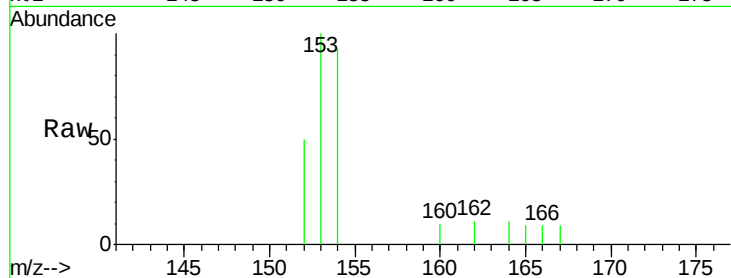
Tgt Ion:154 Resp: 1554

Ion Ratio Lower Upper

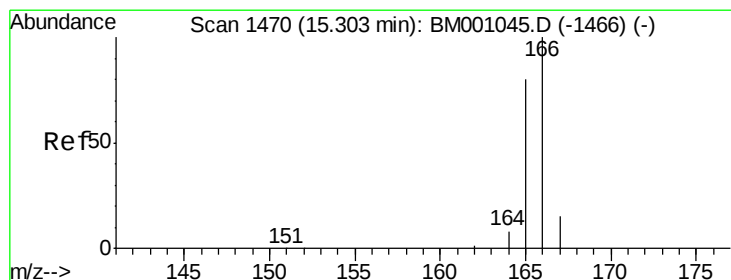
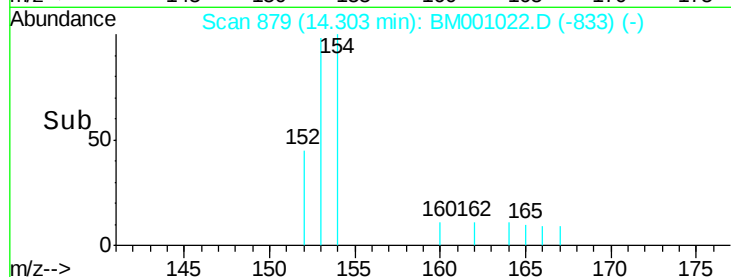
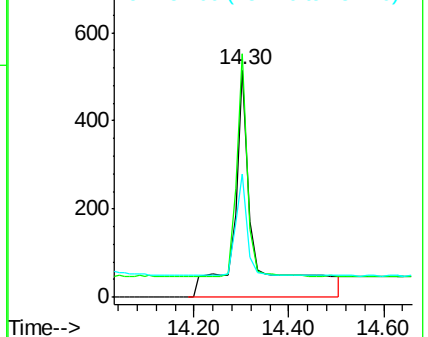
154 100

153 49.1 88.1 132.1#

152 24.6 42.3 63.5#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#12

Fluorene

Concen: 0.87 ng

RT: 15.31 min Scan# 944

Delta R.T. 0.00 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

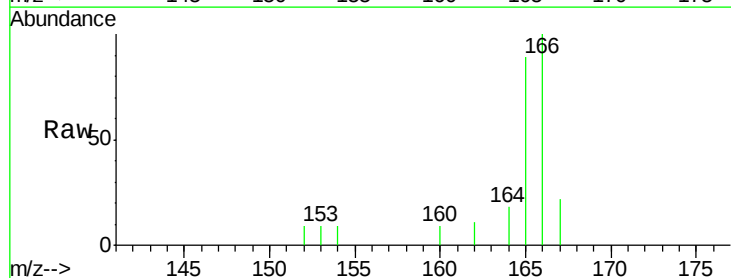
Tgt Ion:166 Resp: 880

Ion Ratio Lower Upper

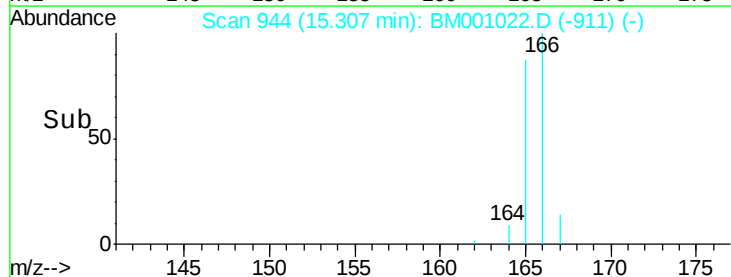
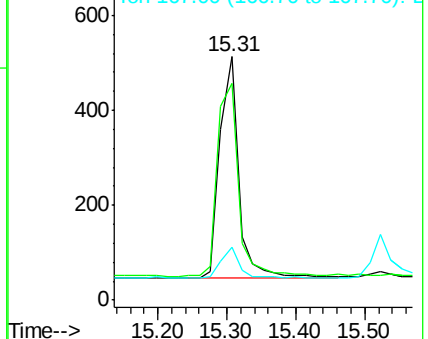
166 100

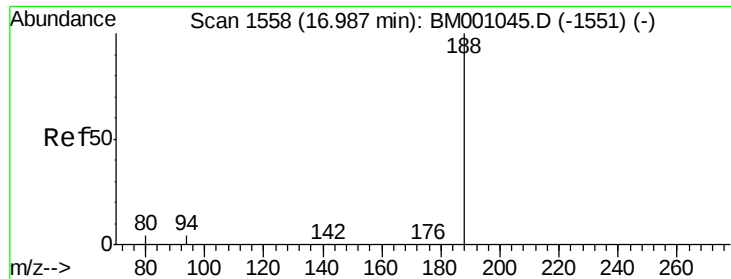
165 97.0 77.6 116.4

167 12.7 10.6 16.0



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

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.99 min Scan# 1053

Delta R.T. 0.01 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.127

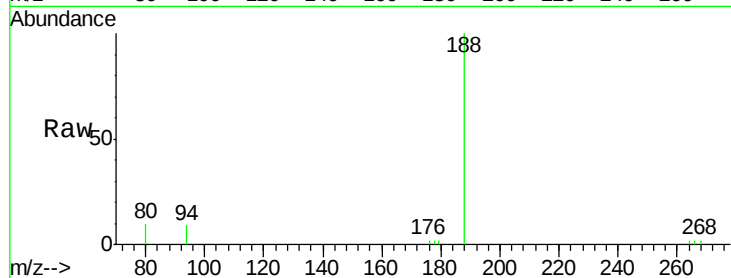
Tgt Ion:188 Resp: 4614

Ion Ratio Lower Upper

188 100

94 9.5 3.6 5.4#

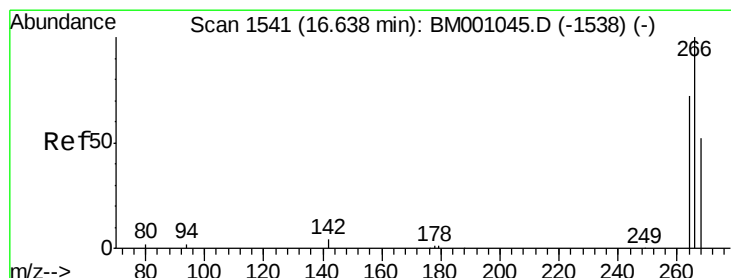
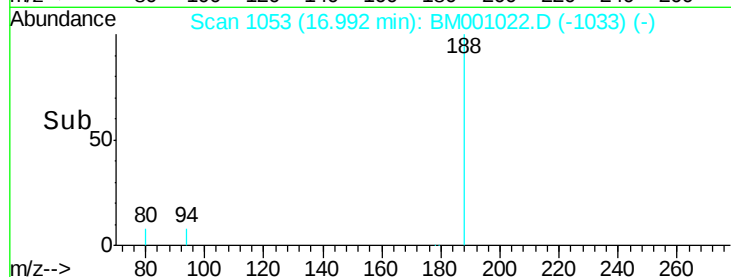
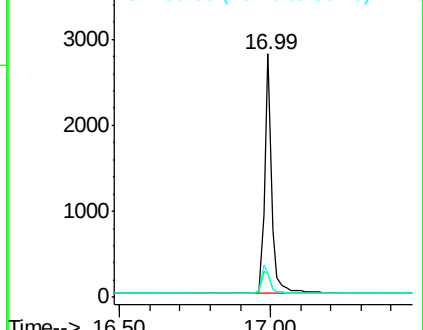
80 9.6 3.0 4.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#15

Pentachlorophenol

Concen: 0.63 ng

RT: 16.67 min Scan# 1032

Delta R.T. 0.03 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

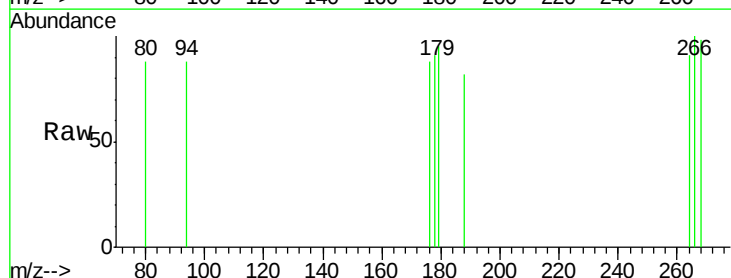
Tgt Ion:266 Resp: 33

Ion Ratio Lower Upper

266 100

268 98.2 46.3 69.5#

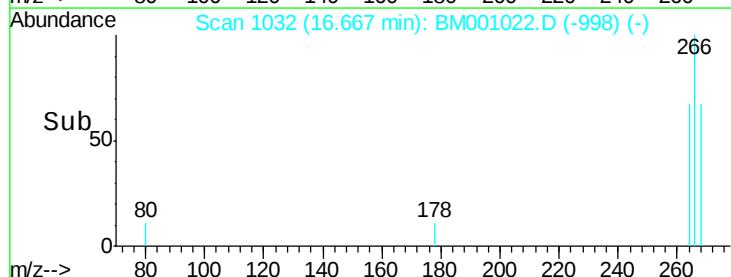
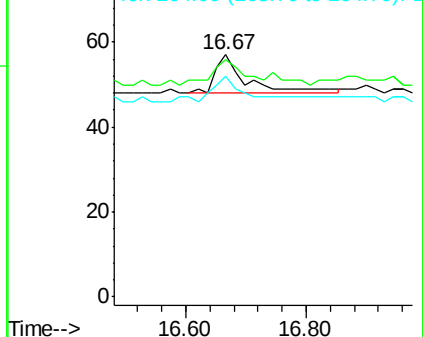
264 91.2 59.8 89.6#

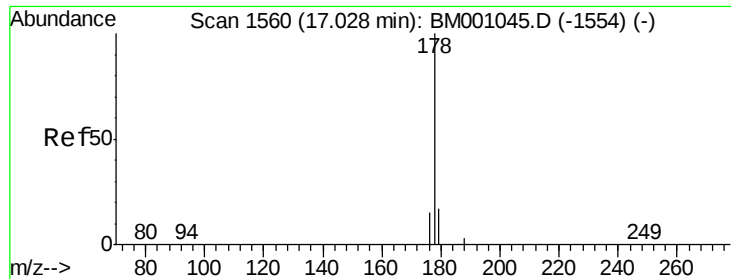


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#16

Phenanthrene

Concen: 0.98 ng

RT: 17.02 min Scan# 1055

Delta R.T. -0.00 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.127

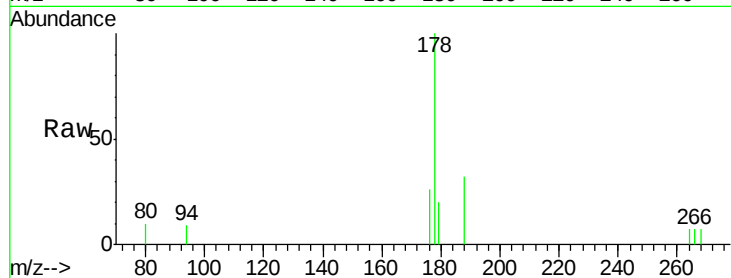
Tgt Ion:178 Resp: 1342

Ion Ratio Lower Upper

178 100

176 18.8 14.6 22.0

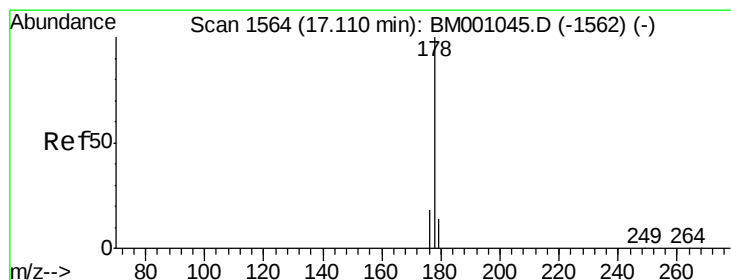
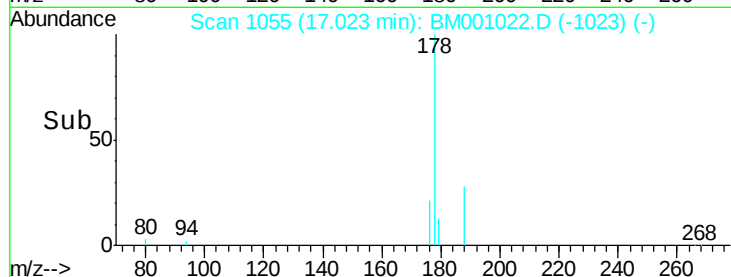
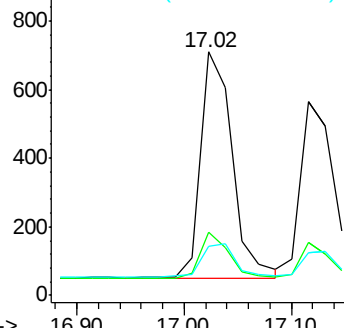
179 16.0 12.6 19.0



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

Anthracene

Concen: 1.16 ng

RT: 17.12 min Scan# 1061

Delta R.T. 0.01 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

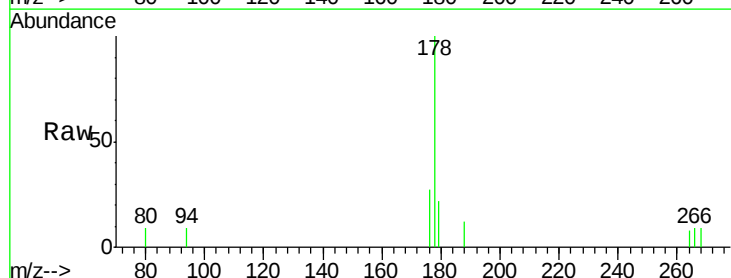
Tgt Ion:178 Resp: 1251

Ion Ratio Lower Upper

178 100

176 17.8 14.3 21.5

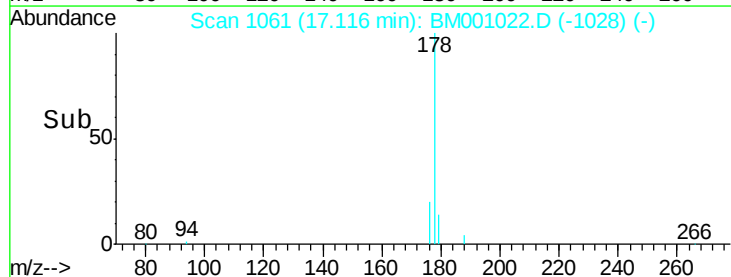
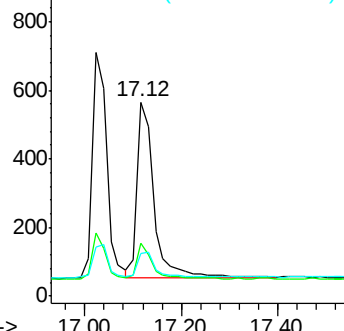
179 14.7 11.8 17.8

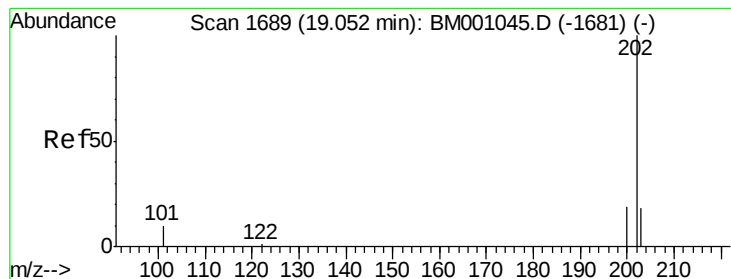


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#18

Fluoranthene

Concen: 1.25 ng

RT: 19.05 min Scan# 1196

Delta R.T. 0.00 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.127

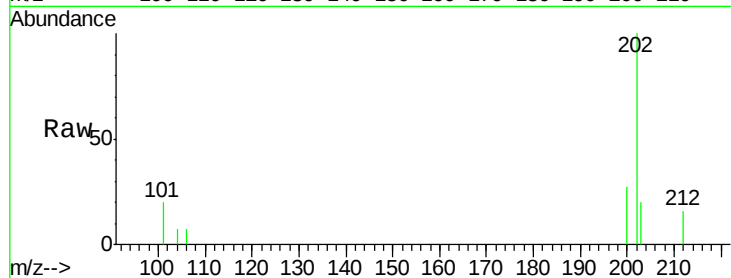
Tgt Ion:202 Resp: 1517

Ion Ratio Lower Upper

202 100

101 13.3 10.1 15.1

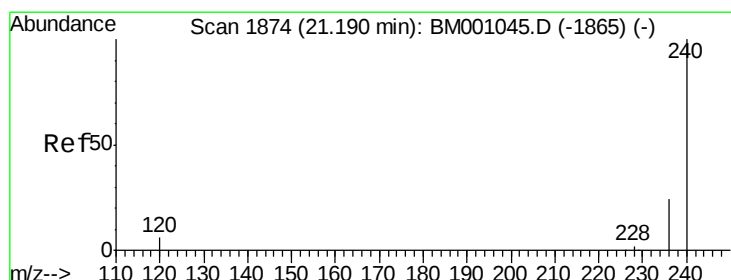
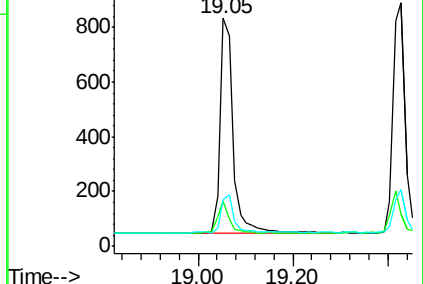
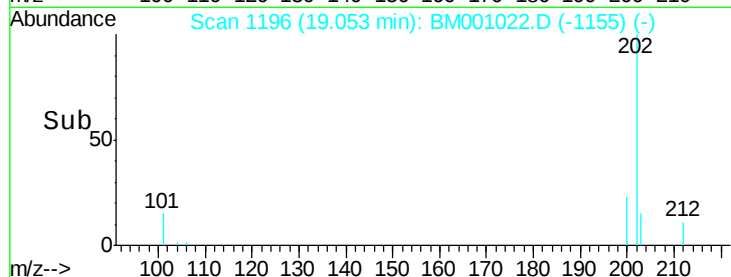
203 17.4 13.8 20.8



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

Chrysene-d12

Concen: 5.00 ng

RT: 21.20 min Scan# 1389

Delta R.T. 0.01 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

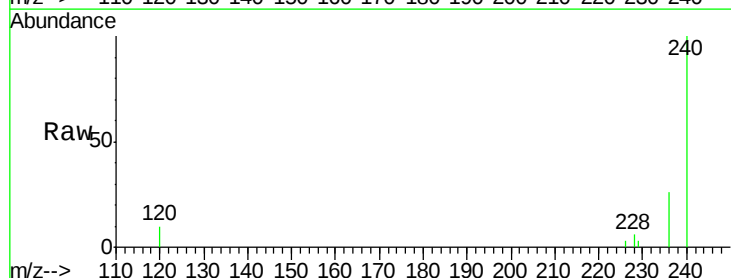
Tgt Ion:240 Resp: 3843

Ion Ratio Lower Upper

240 100

120 9.5 4.6 6.8#

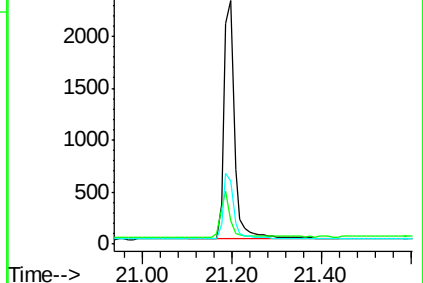
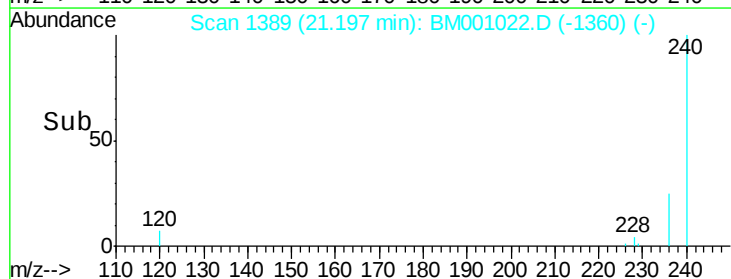
236 26.2 19.1 28.7

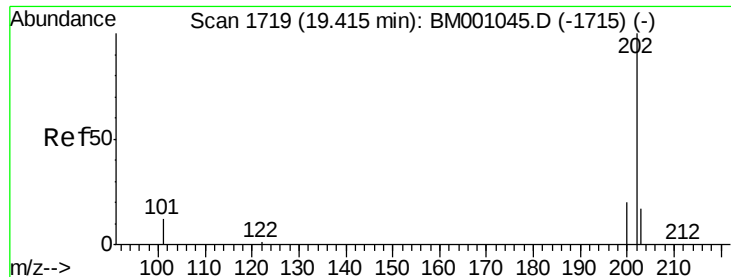


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#20

Pyrene

Concen: 1.06 ng

RT: 19.43 min Scan# 1227

Delta R.T. 0.01 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.127

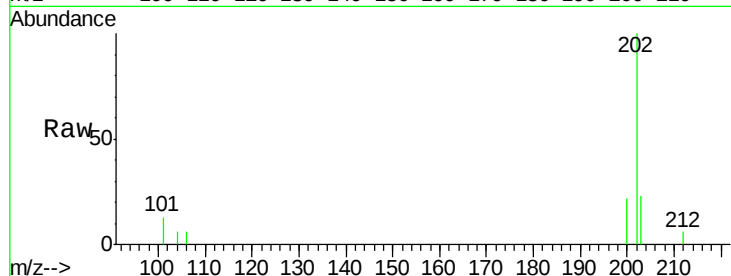
Tgt Ion: 202 Resp: 1544

Ion Ratio Lower Upper

202 100

200 21.6 16.3 24.5

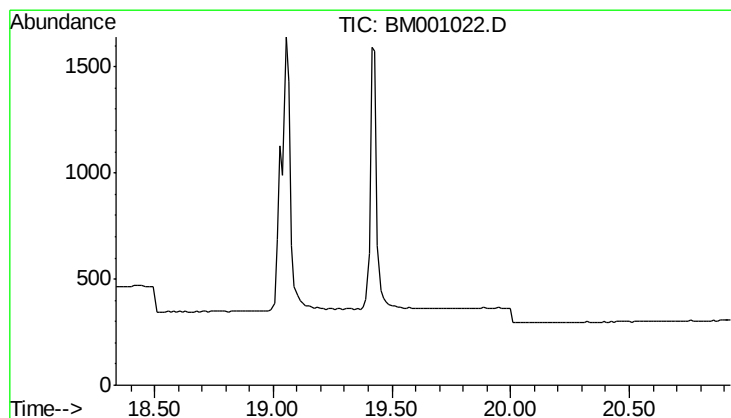
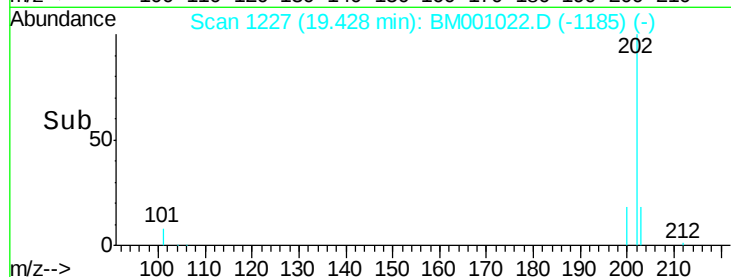
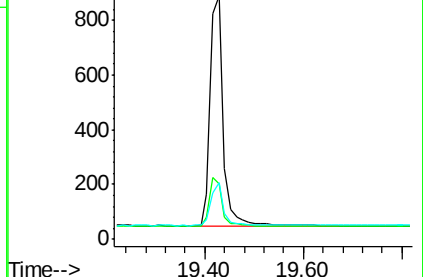
203 18.2 13.8 20.6



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



#21

Terphenyl-d14

Concen: 0.00 ng

Expected RT: 19.63 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

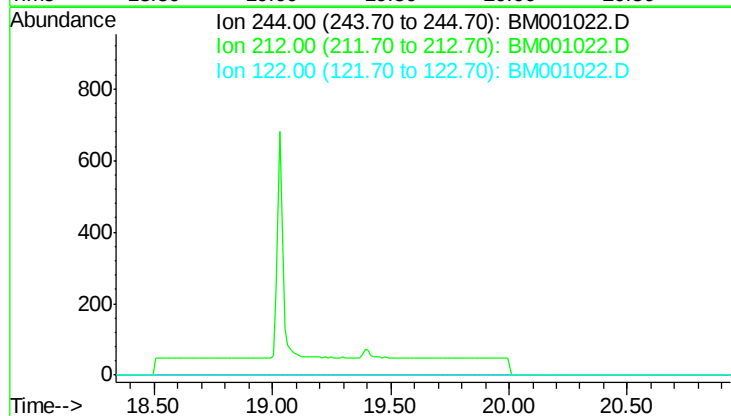
Tgt Ion: 244

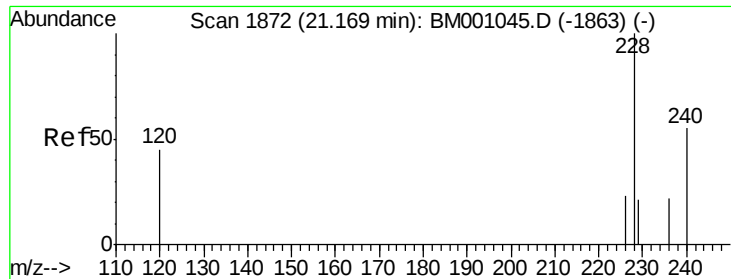
Sig Exp Ratio

244 100

212 8.9

122 7.4





#22

Benzo(a)anthracene

Concen: 0.94 ng

RT: 21.18 min Scan# 1387

Delta R.T. 0.01 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.127

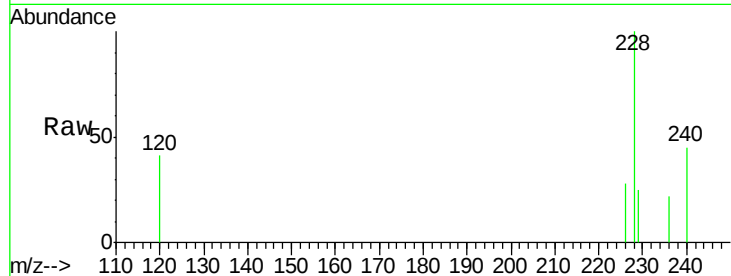
Tgt Ion:228 Resp: 1174

Ion Ratio Lower Upper

228 100

226 28.0 19.0 28.6

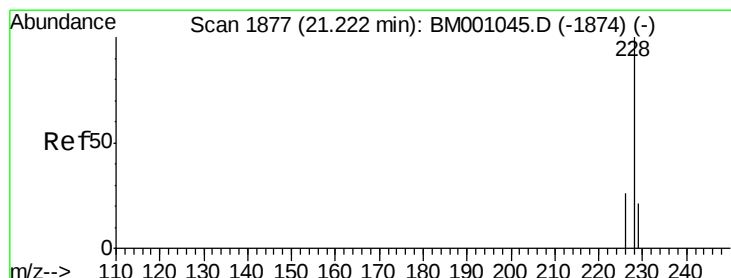
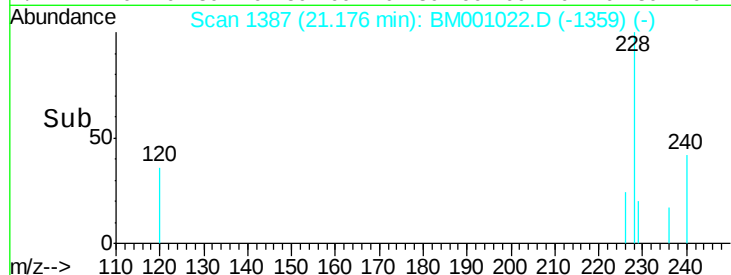
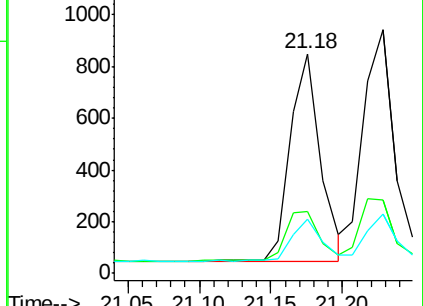
229 24.9 16.8 25.2



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

Chrysene

Concen: 1.13 ng

RT: 21.23 min Scan# 1392

Delta R.T. 0.01 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

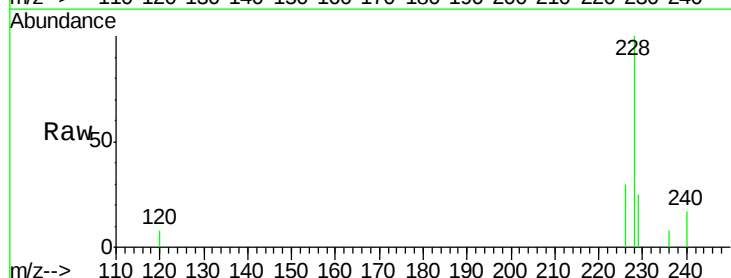
Tgt Ion:228 Resp: 1488

Ion Ratio Lower Upper

228 100

226 30.1 20.6 31.0

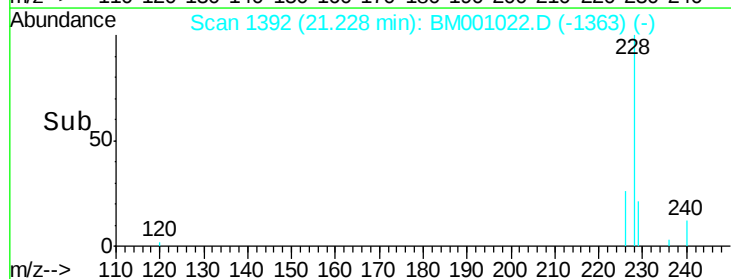
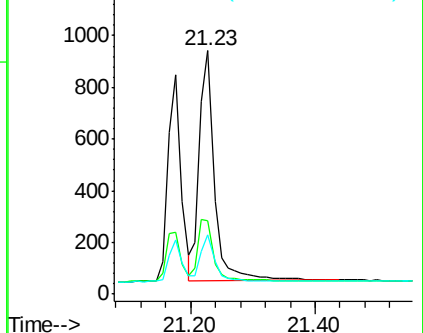
229 24.6 17.2 25.8

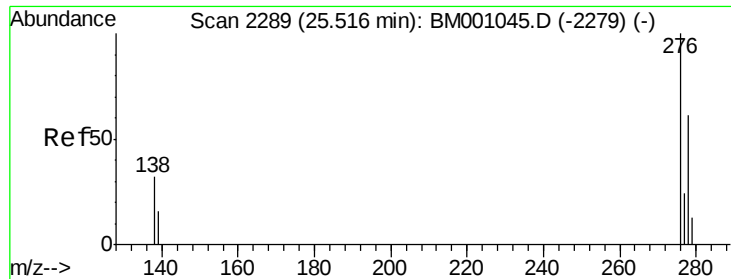


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Indeno(1,2,3-cd)pyrene

Concen: 1.43 ng

RT: 25.53 min Scan# 1805

Delta R.T. 0.02 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.127

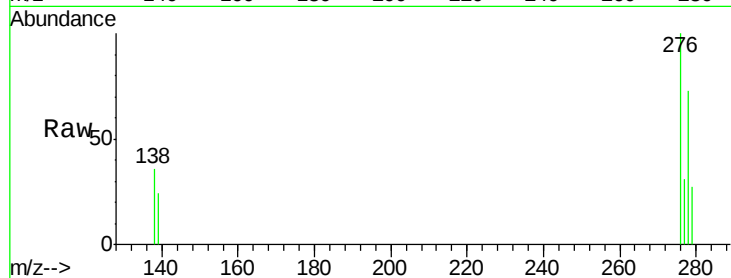
Tgt Ion:276 Resp: 2000

Ion Ratio Lower Upper

276 100

138 31.8 26.3 39.5

277 24.1 19.5 29.3



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

25.53

25.53

25.53

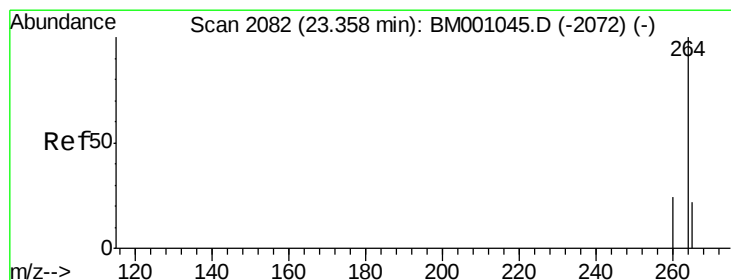
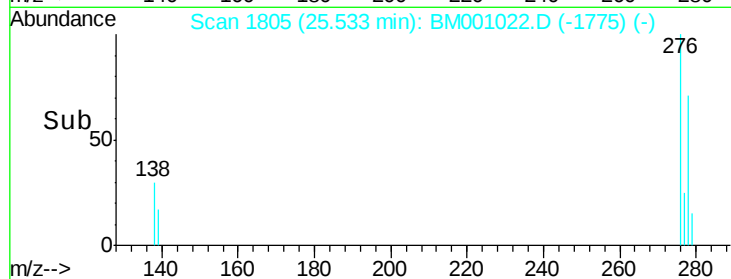
25.53

25.53

25.53

25.53

Time-->



#25

Perylene-d12

Concen: 5.00 ng

RT: 23.36 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

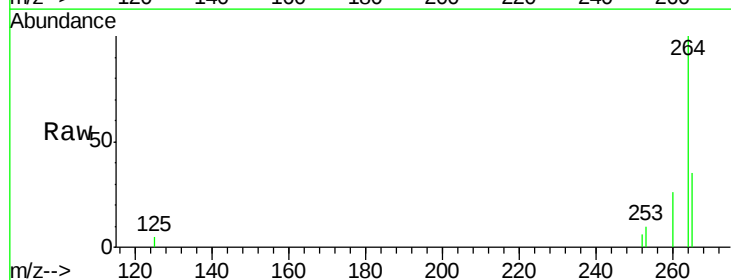
Tgt Ion:264 Resp: 3599

Ion Ratio Lower Upper

264 100

260 26.4 19.0 28.6

265 34.6 17.9 26.9#



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

23.36

23.36

23.36

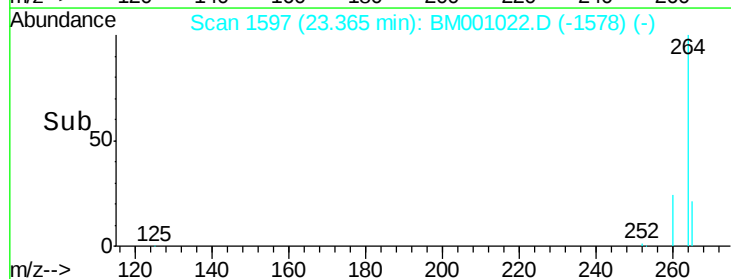
23.36

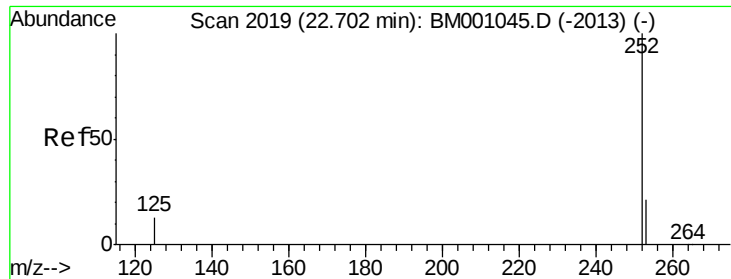
23.36

23.36

23.36

Time-->





#26

Benzo(b)fluoranthene

Concen: 1.00 ng

RT: 22.71 min Scan# 1534

Delta R.T. 0.01 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.127

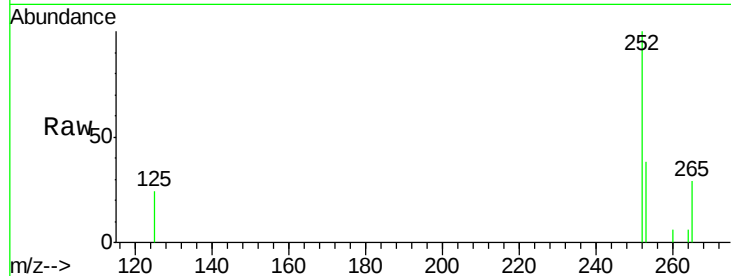
Tgt Ion:252 Resp: 1342

Ion Ratio Lower Upper

252 100

253 38.1 18.2 27.2#

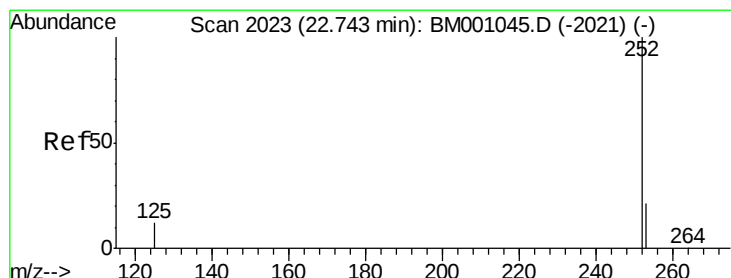
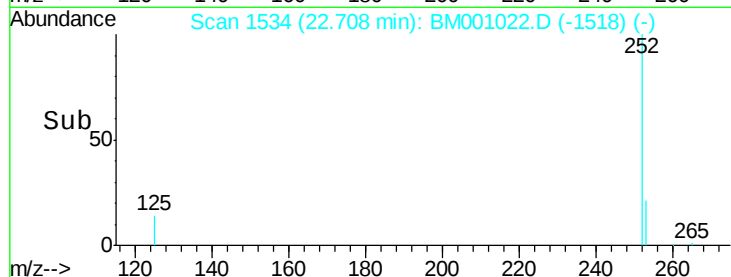
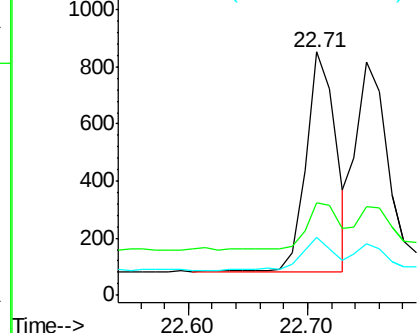
125 23.6 10.9 16.3#



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



#27

Benzo(k)fluoranthene

Concen: 1.14 ng

RT: 22.75 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

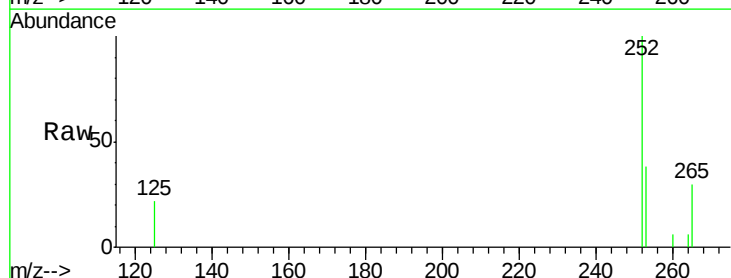
Tgt Ion:252 Resp: 1470

Ion Ratio Lower Upper

252 100

253 38.0 18.3 27.5#

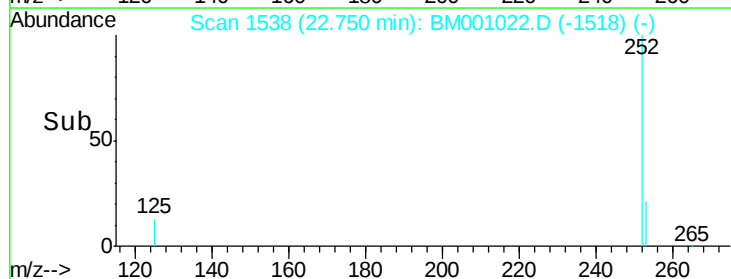
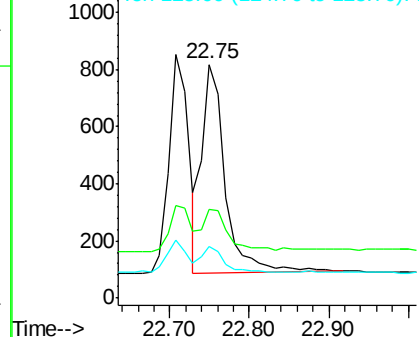
125 22.2 10.6 15.8#

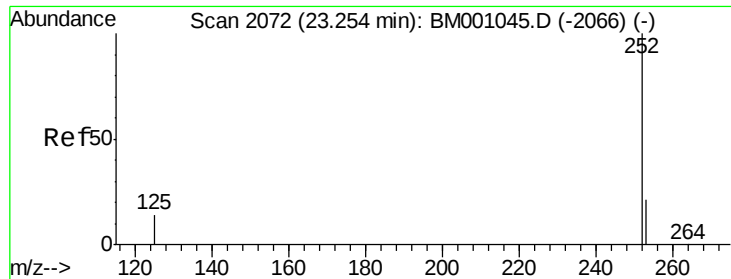


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#28

Benzo(a)pyrene

Concen: 1.09 ng

RT: 23.26 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.127

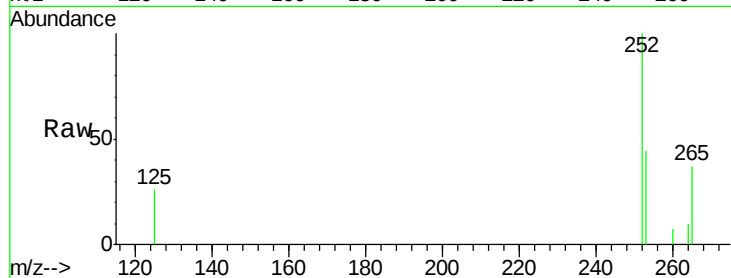
Tgt Ion:252 Resp: 1285

Ion Ratio Lower Upper

252 100

253 43.9 18.6 27.8#

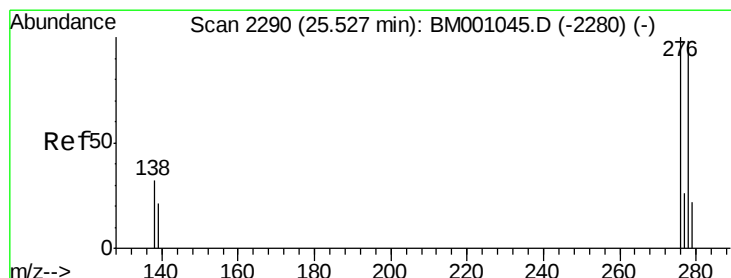
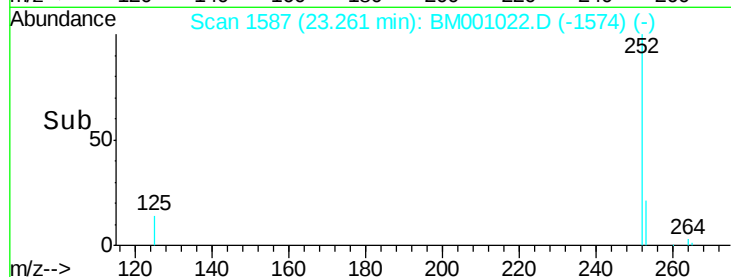
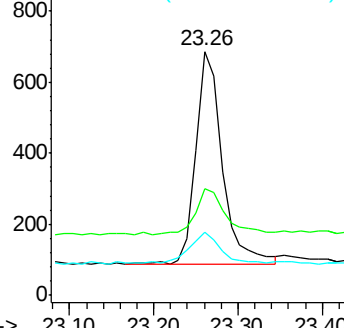
125 25.7 11.9 17.9#



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



#29

Dibenzo(a,h)anthracene

Concen: 1.43 ng

RT: 25.54 min Scan# 1806

Delta R.T. 0.02 min

Lab File: BM001022.D

Acq: 16 Apr 2015 18:21

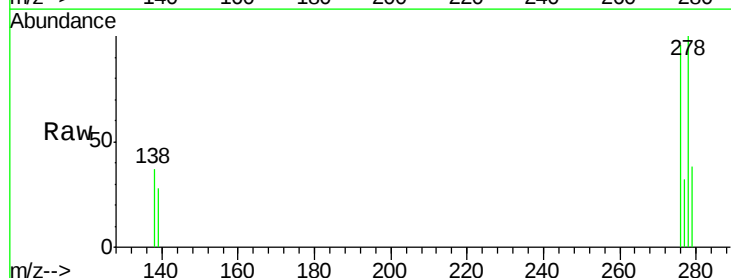
Tgt Ion:278 Resp: 1676

Ion Ratio Lower Upper

278 100

139 28.3 18.2 27.2#

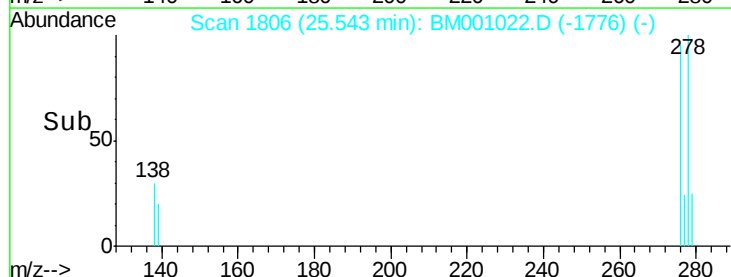
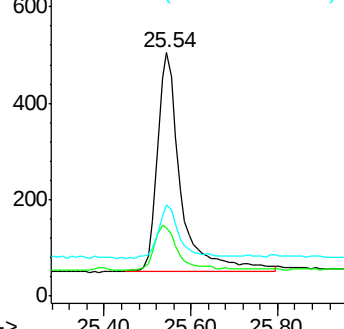
279 37.6 19.1 28.7#

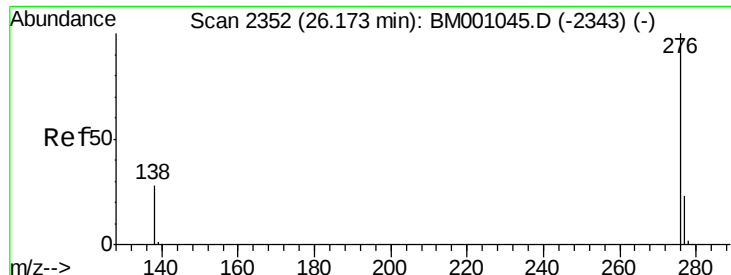


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#30

Benzo(g,h,i)perylene

Concen: 1.39 ng

RT: 26.19 min Scan# 1868

Delta R.T. 0.02 min

Lab File: BM001022.D

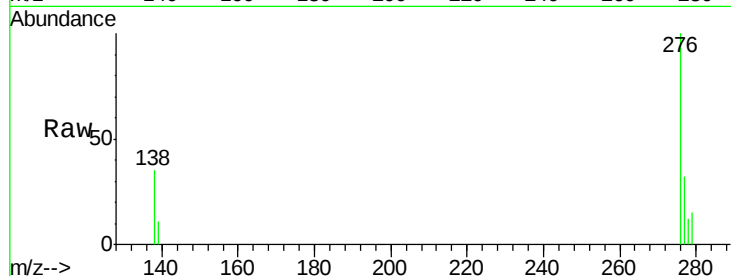
Acq: 16 Apr 2015 18:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.127



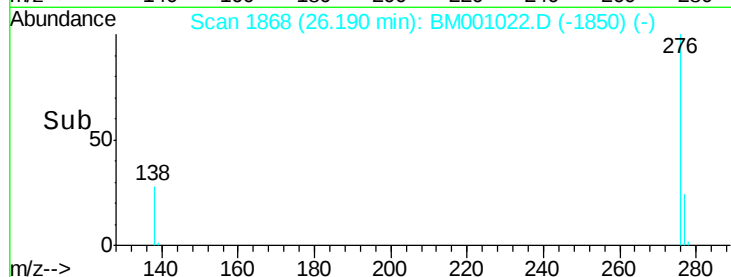
Tgt Ion: 276 Resp: 1716

Ion Ratio Lower Upper

276 100

277 31.6 19.0 28.4#

138 35.4 23.4 35.2#



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

