

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008049.D
 Acq On : 24 Nov 2016 00:14
 Operator : UM/SJ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.453

Quant Time: Nov 24 03:00:53 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 02:56:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	471	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	1555	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	916	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.11	188	1794	0.40	ng/ul	0.00
16) Chrysene-d12	21.30	240	1801	0.40	ng/ul	0.00
20) Perylene-d12	23.55	264	1749	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	887	0.40	ng/ul	0.01
14) Fluoranthene-d10	19.14	212	1907	0.38	ng/ul	0.00

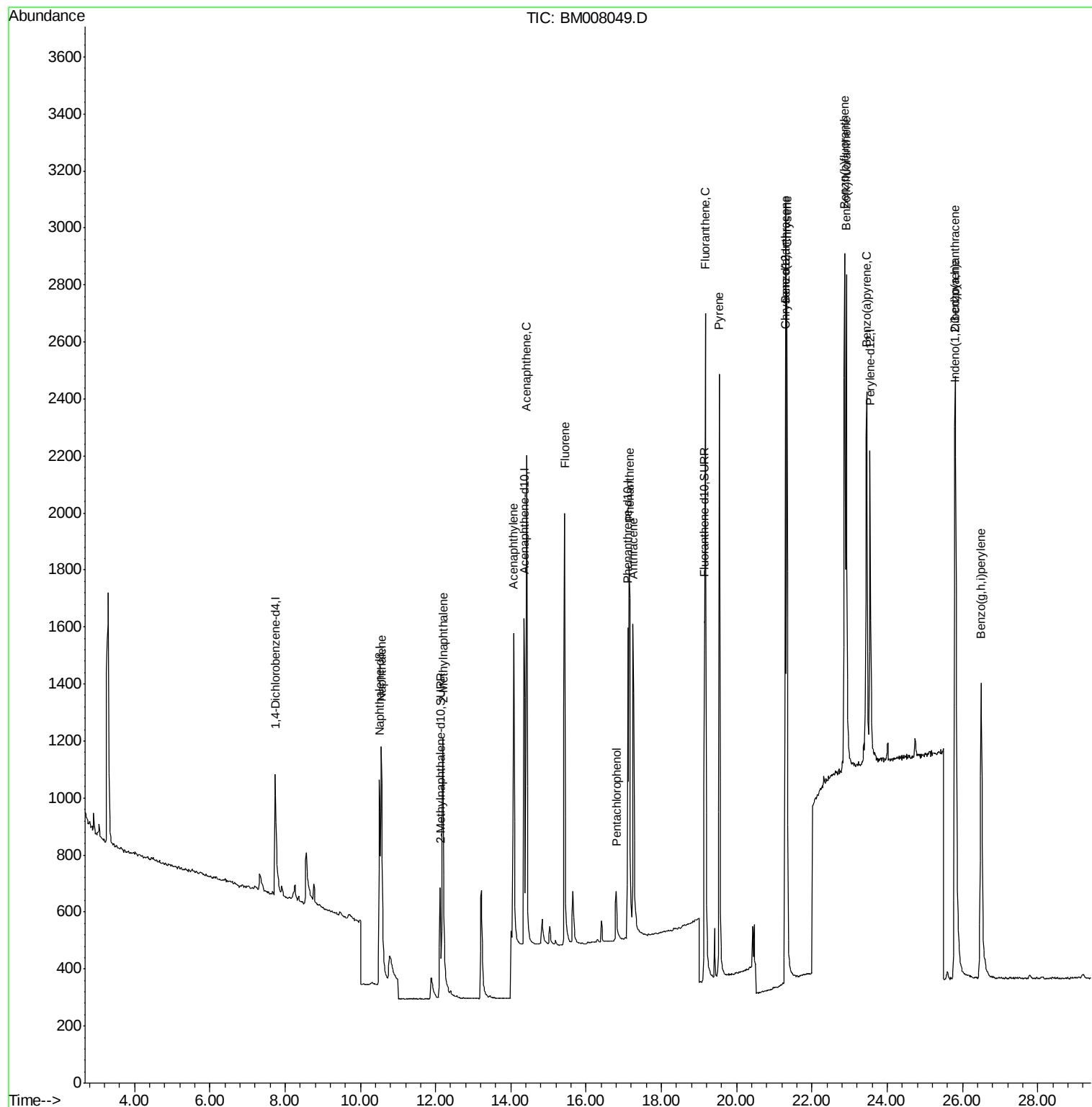
Target Compounds				Qvalue		
3) Naphthalene	10.56	128	1726	0.40	ng/ul#	91
5) 2-Methylnaphthalene	12.19	142	1135	0.40	ng/ul	99
7) Acenaphthylene	14.07	152	1665	0.40	ng/ul	95
8) Acenaphthene	14.42	153	1233	0.39	ng/ul	98
9) Fluorene	15.43	166	1416	0.39	ng/ul	97
11) Pentachlorophenol	16.80	266	226	0.36	ng/ul	95
12) Phenanthrene	17.14	178	2150	0.38	ng/ul	95
13) Anthracene	17.24	178	2029	0.39	ng/ul	97
15) Fluoranthene	19.17	202	2684	0.37	ng/ul	99
17) Pyrene	19.53	202	2837	0.45	ng/ul	96
18) Benzo(a)anthracene	21.28	228	2434	0.44	ng/ul	97
19) Chrysene	21.34	228	2586	0.38	ng/ul	97
21) Benzo(b)fluoranthene	22.87	252	2724	0.39	ng/ul	96
22) Benzo(k)fluoranthene	22.91	252	2805	0.39	ng/ul	96
23) Benzo(a)pyrene	23.45	252	2589	0.40	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	25.80	276	3233	0.40	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.81	278	2593	0.40	ng/ul	96
26) Benzo(g,h,i)perylene	26.50	276	2848	0.40	ng/ul	94

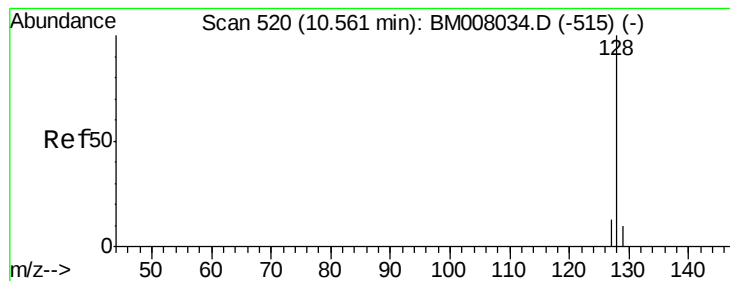
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 24 03:00:53 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
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#3

Naphthalene

Concen: 0.40 ng/ul

RT: 10.56 min Scan# 520

Delta R.T. -0.00 min

Lab File: BM008049.D

Acq: 24 Nov 2016 00:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

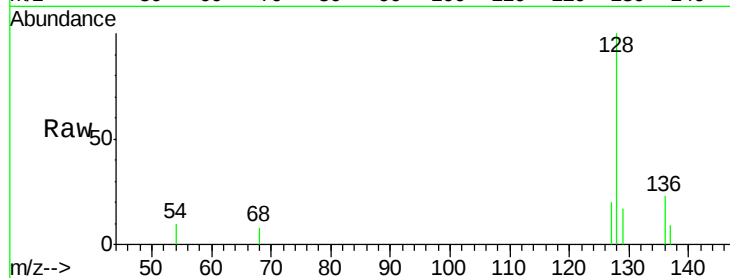
Tgt Ion:128 Resp: 1726

Ion Ratio Lower Upper

128 100

129 17.3 11.3 16.9#

127 20.3 12.8 19.2#



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

10.56

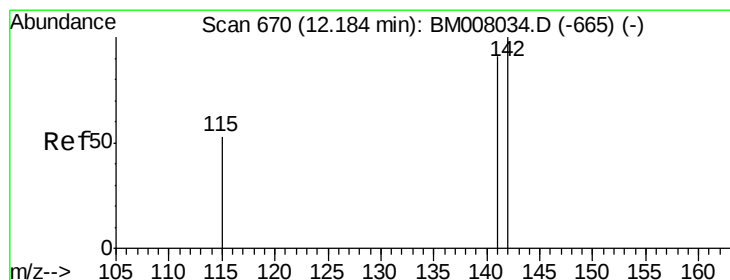
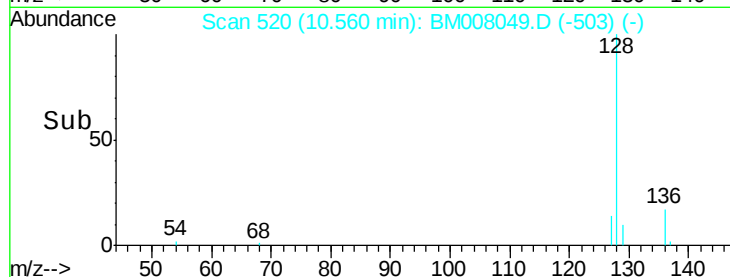
600

400

200

0

Time--> 10.40 10.50 10.60 10.70



#5

2-Methylnaphthalene

Concen: 0.40 ng/ul

RT: 12.19 min Scan# 671

Delta R.T. 0.01 min

Lab File: BM008049.D

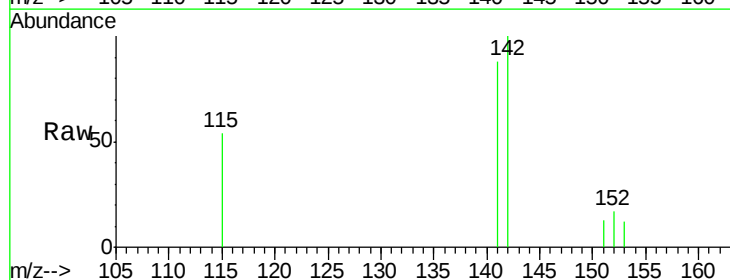
Acq: 24 Nov 2016 00:14

Tgt Ion:142 Resp: 1135

Ion Ratio Lower Upper

142 100

141 91.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.19

400

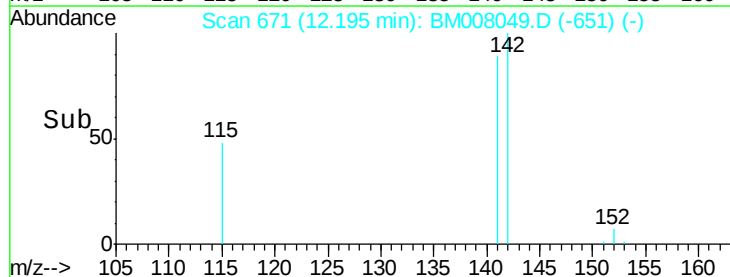
300

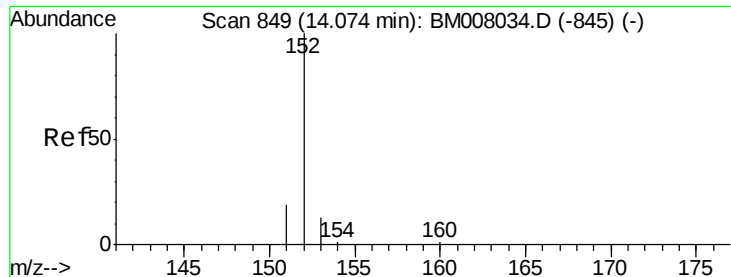
200

100

0

Time--> 12.10 12.20 12.30 12.40





#7

Acenaphthylene

Concen: 0.40 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. -0.00 min

Lab File: BM008049.D

Acq: 24 Nov 2016 00:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

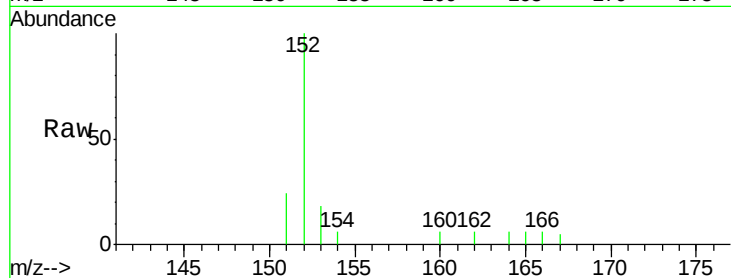
Tgt Ion:152 Resp: 1665

Ion Ratio Lower Upper

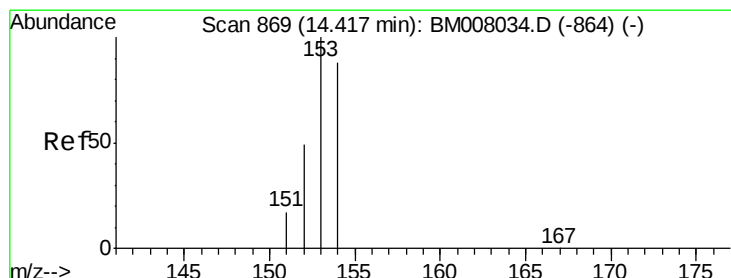
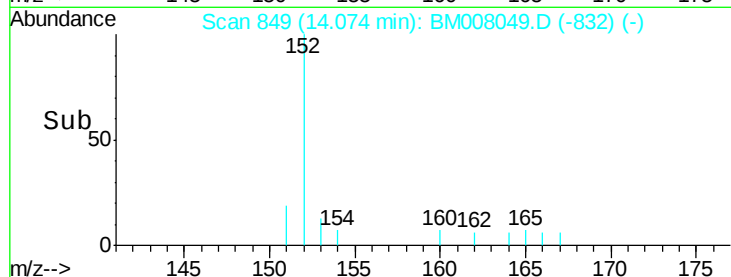
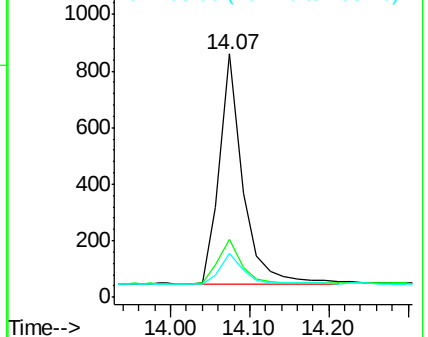
152 100

151 23.8 17.1 25.7

153 17.9 12.8 19.2



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



#8

Acenaphthene

Concen: 0.39 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM008049.D

Acq: 24 Nov 2016 00:14

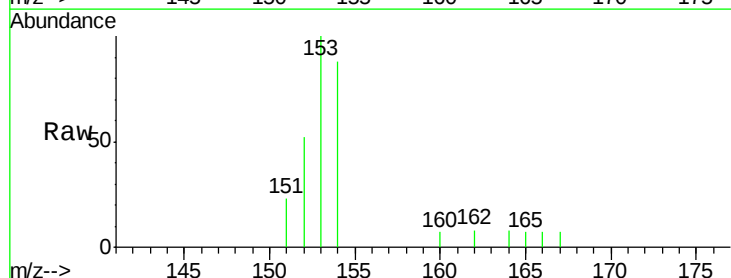
Tgt Ion:153 Resp: 1233

Ion Ratio Lower Upper

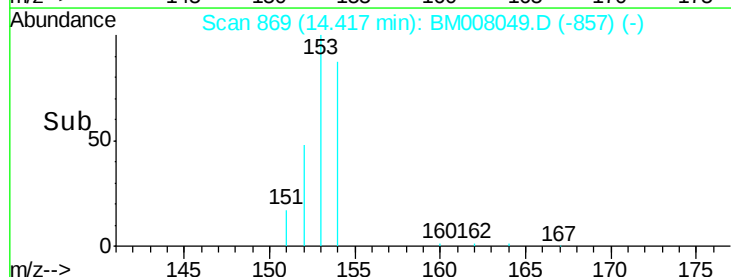
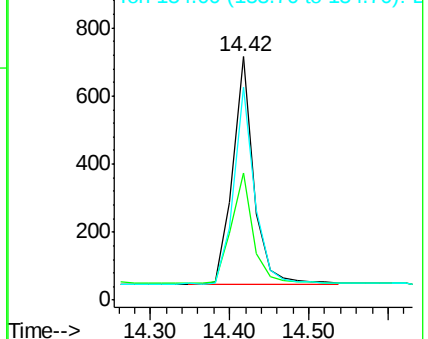
153 100

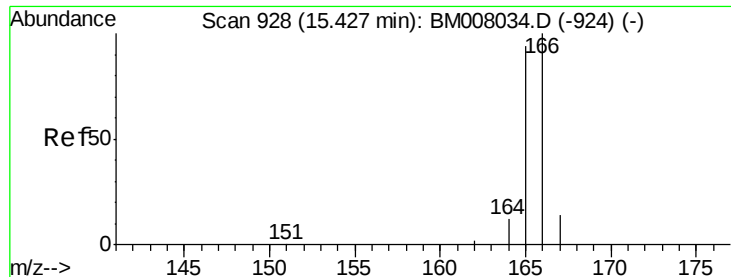
152 52.2 40.3 60.5

154 87.6 71.4 107.2



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





#9

Fluorene

Concen: 0.39 ng/ul

RT: 15.43 min Scan# 928

Delta R.T. -0.00 min

Lab File: BM008049.D

Acq: 24 Nov 2016 00:14

Instrument :

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ClientSampleId :

SSTD0.453

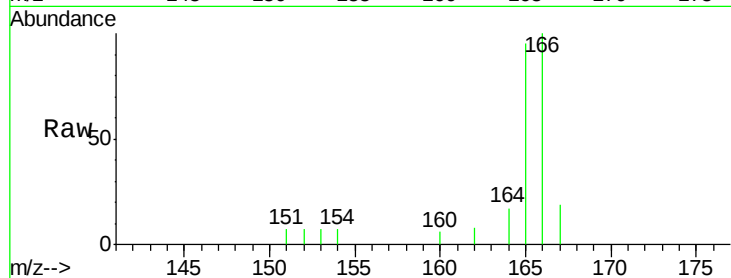
Tgt Ion:166 Resp: 1416

Ion Ratio Lower Upper

166 100

165 95.3 73.4 110.2

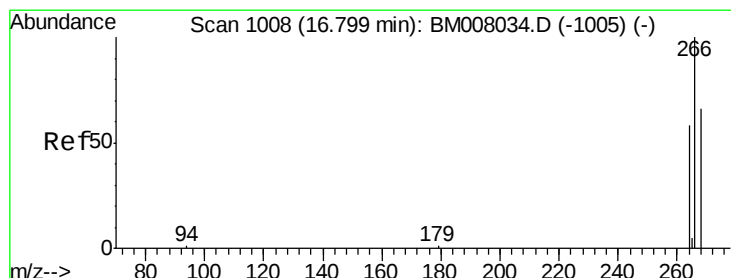
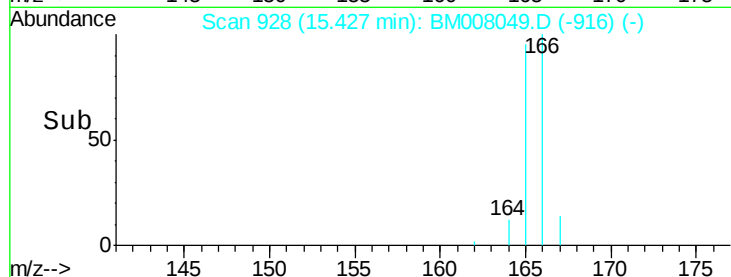
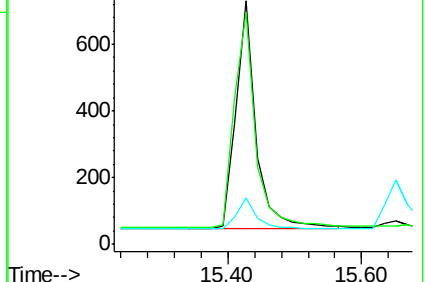
167 19.3 14.6 22.0



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



#11

Pentachlorophenol

Concen: 0.36 ng/ul

RT: 16.80 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BM008049.D

Acq: 24 Nov 2016 00:14

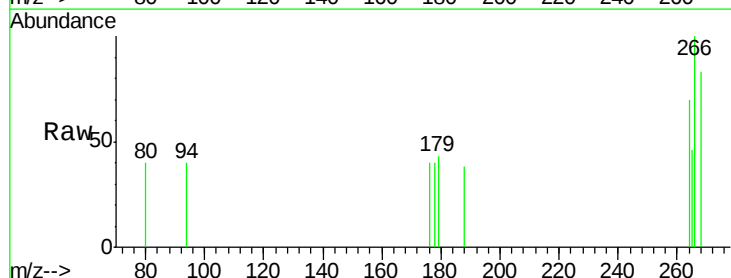
Tgt Ion:266 Resp: 226

Ion Ratio Lower Upper

266 100

264 62.4 47.9 71.9

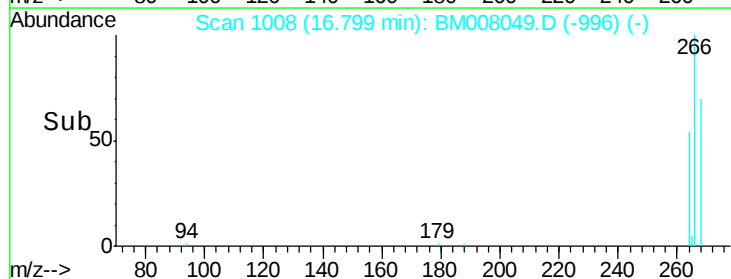
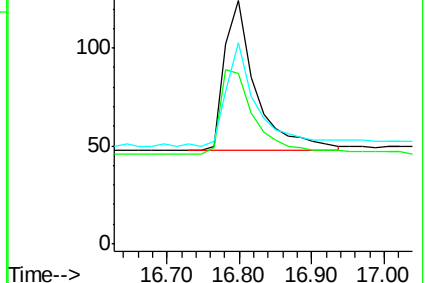
268 66.8 49.8 74.8

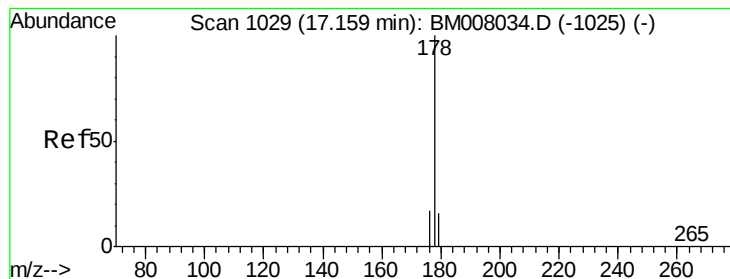


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.38 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.02 min

Lab File: BM008049.D

Acq: 24 Nov 2016 00:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

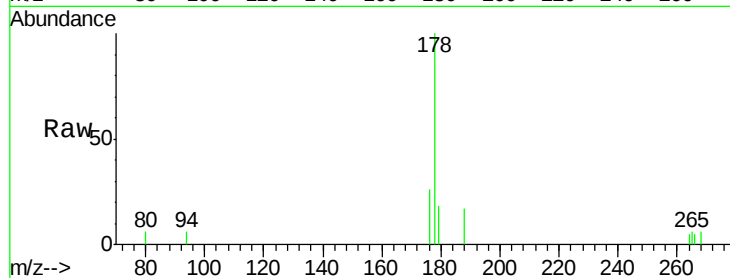
Tgt Ion:178 Resp: 2150

Ion Ratio Lower Upper

178 100

176 26.2 18.4 27.6

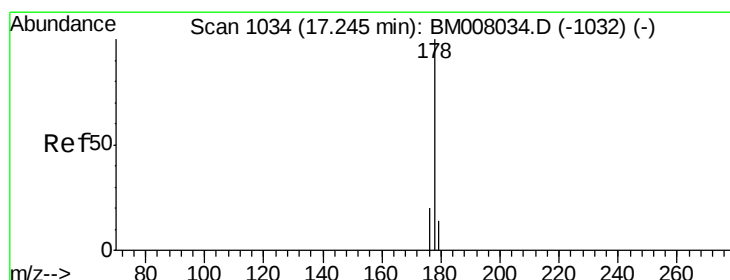
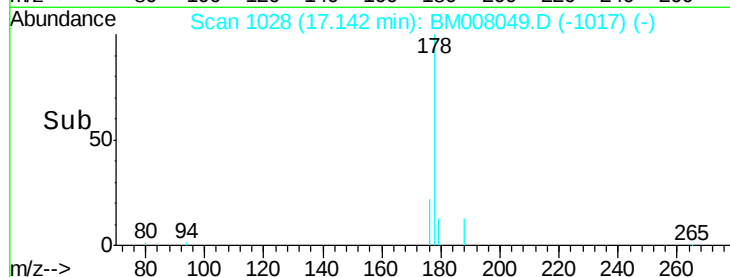
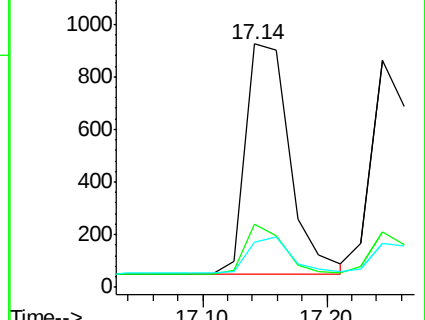
179 18.4 13.6 20.4



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



#13

Anthracene

Concen: 0.39 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BM008049.D

Acq: 24 Nov 2016 00:14

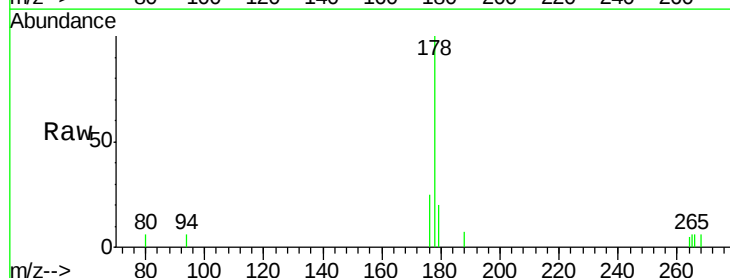
Tgt Ion:178 Resp: 2029

Ion Ratio Lower Upper

178 100

176 24.6 18.1 27.1

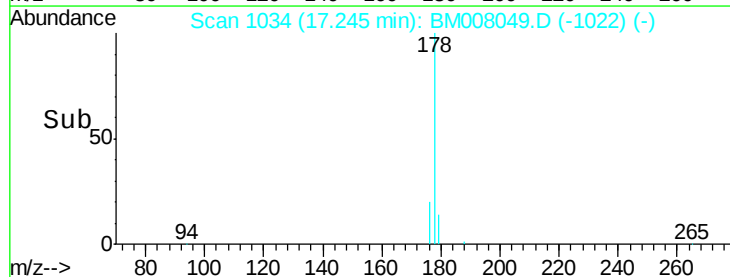
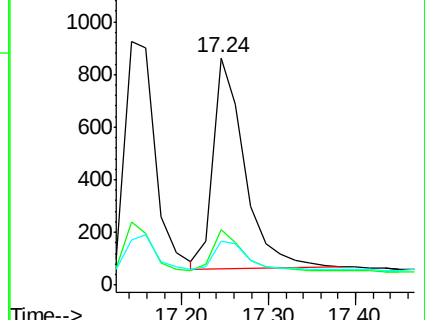
179 19.6 14.7 22.1

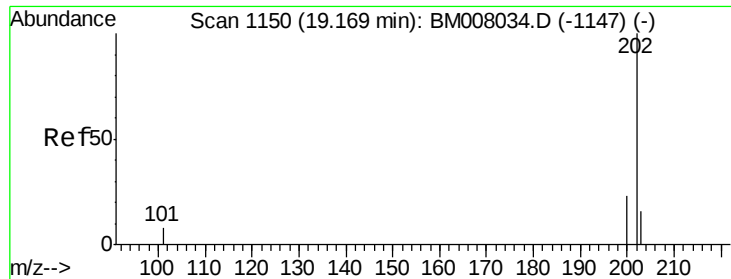


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.37 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BM008049.D

Acq: 24 Nov 2016 00:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

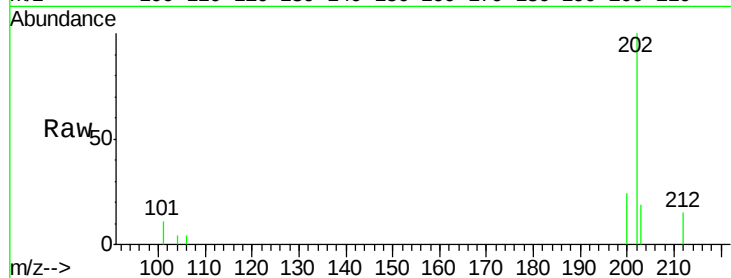
Tgt Ion:202 Resp: 2684

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.3

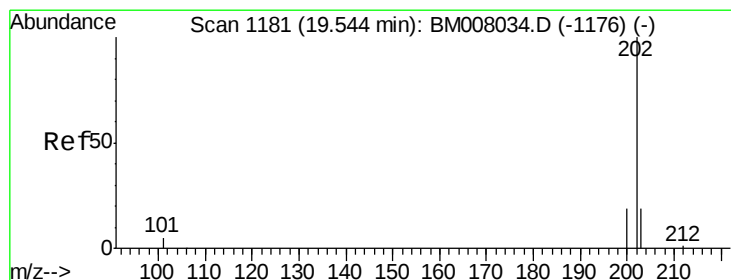
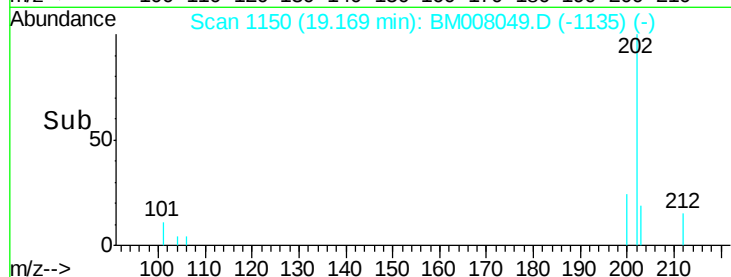
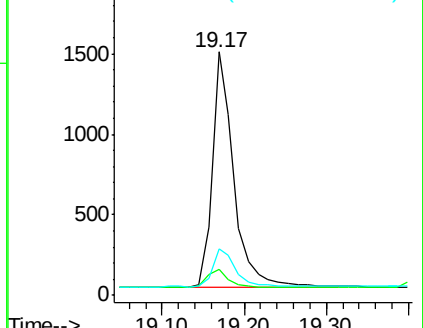
203 19.0 0.0 39.5



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



#17

Pyrene

Concen: 0.45 ng/ul

RT: 19.53 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BM008049.D

Acq: 24 Nov 2016 00:14

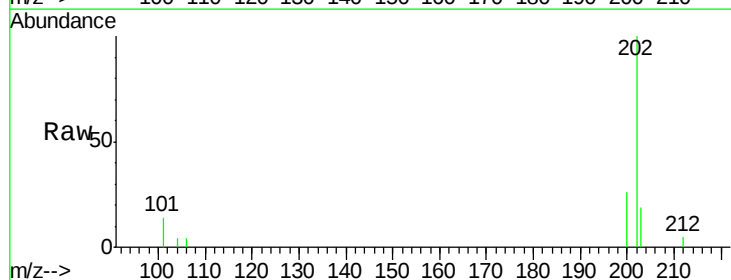
Tgt Ion:202 Resp: 2837

Ion Ratio Lower Upper

202 100

200 25.7 18.2 27.4

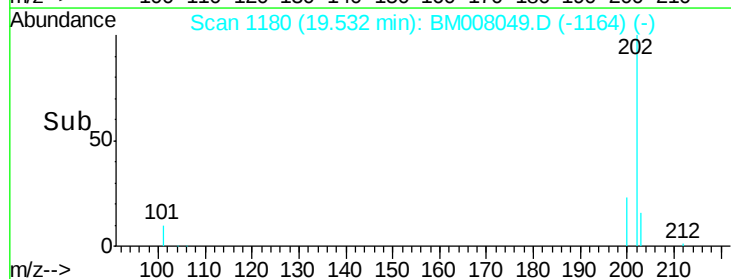
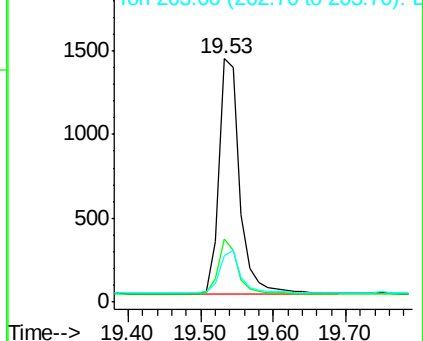
203 19.1 15.6 23.4

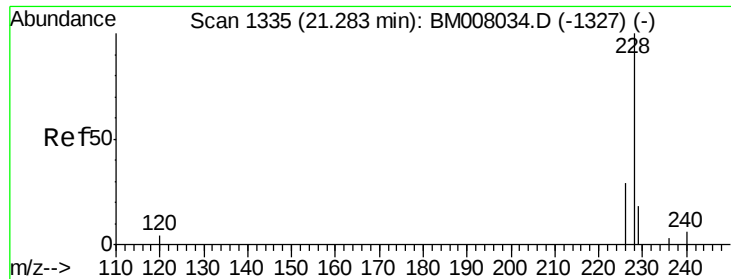


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.44 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.00 min

Lab File: BM008049.D

Acq: 24 Nov 2016 00:14

Instrument :

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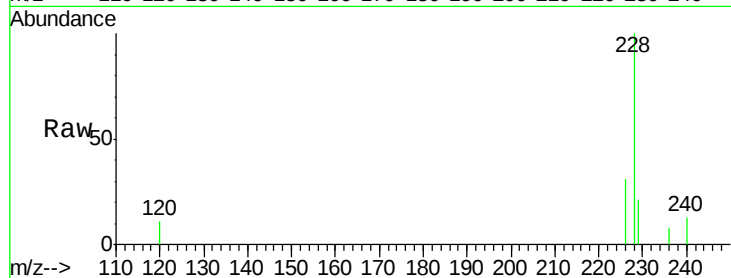
Tgt Ion:228 Resp: 2434

Ion Ratio Lower Upper

228 100

226 30.9 22.8 34.2

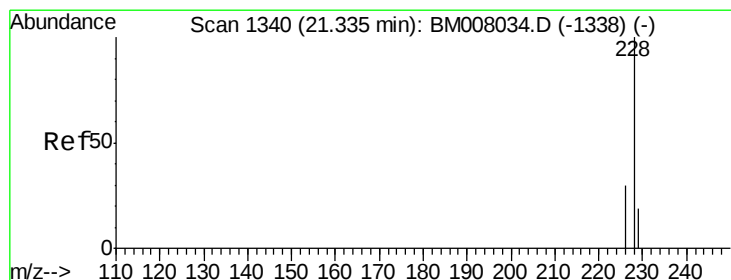
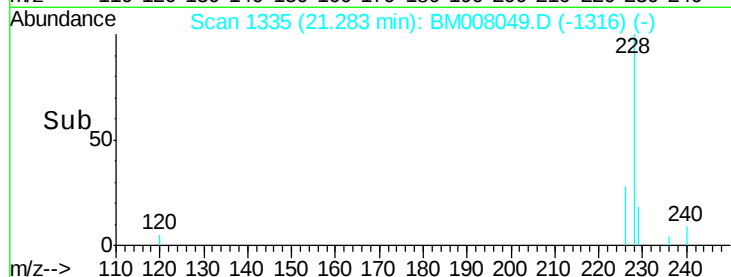
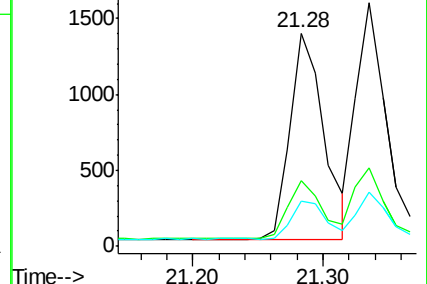
229 21.3 17.0 25.6



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



#19

Chrysene

Concen: 0.38 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BM008049.D

Acq: 24 Nov 2016 00:14

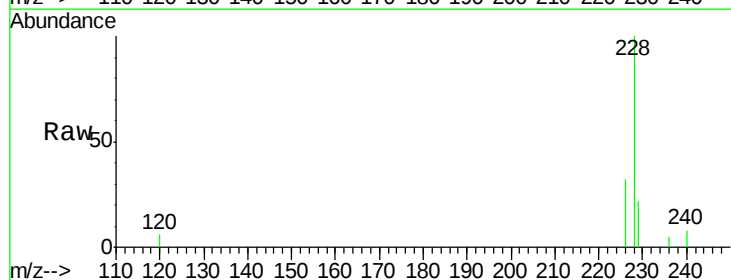
Tgt Ion:228 Resp: 2586

Ion Ratio Lower Upper

228 100

226 32.0 23.4 35.0

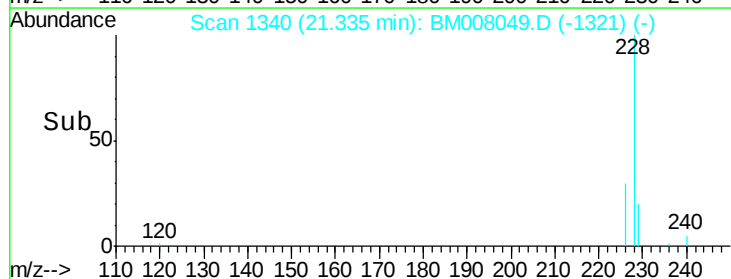
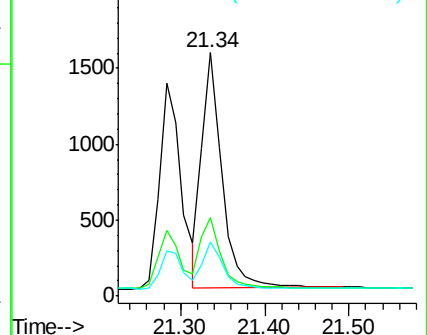
229 22.1 17.7 26.5

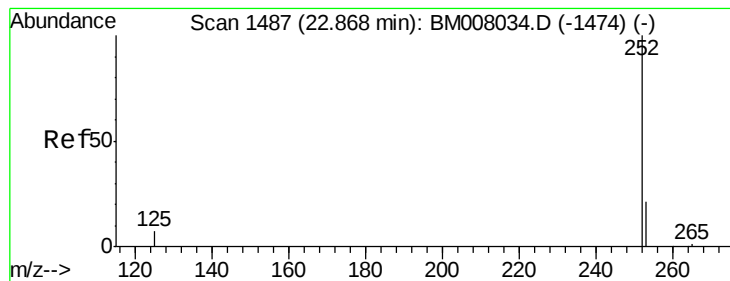


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.39 ng/ul

RT: 22.87 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BM008049.D

Acq: 24 Nov 2016 00:14

Instrument :

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ClientSampleId :

SSTD0.453

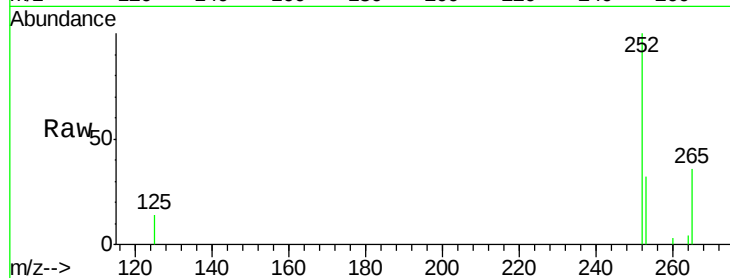
Tgt Ion:252 Resp: 2724

Ion Ratio Lower Upper

252 100

253 32.5 0.0 64.2

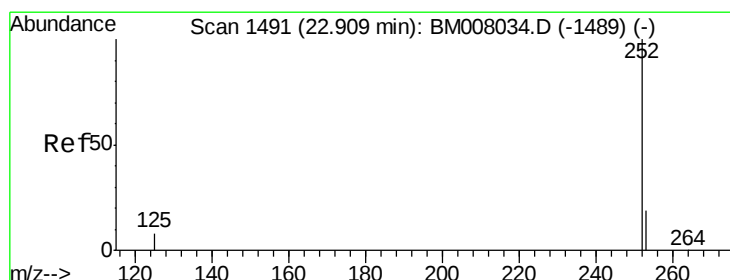
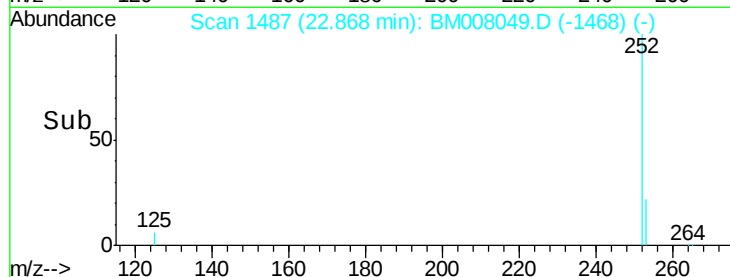
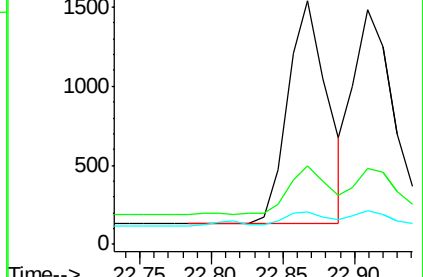
125 13.5 0.0 35.0



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



#22

Benzo(k)fluoranthene

Concen: 0.39 ng/ul

RT: 22.91 min Scan# 1491

Delta R.T. -0.00 min

Lab File: BM008049.D

Acq: 24 Nov 2016 00:14

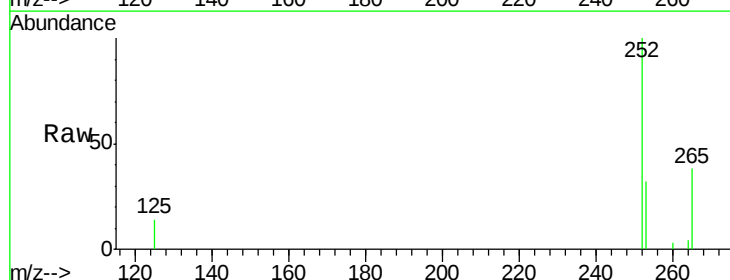
Tgt Ion:252 Resp: 2805

Ion Ratio Lower Upper

252 100

253 32.3 24.5 36.7

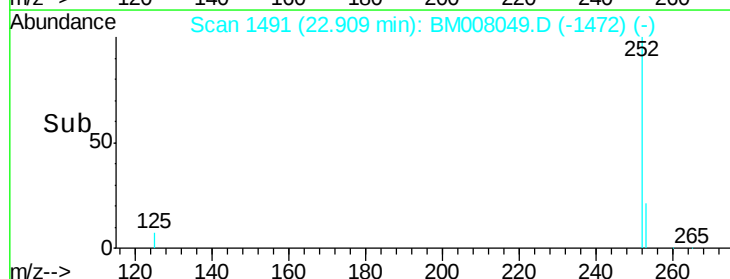
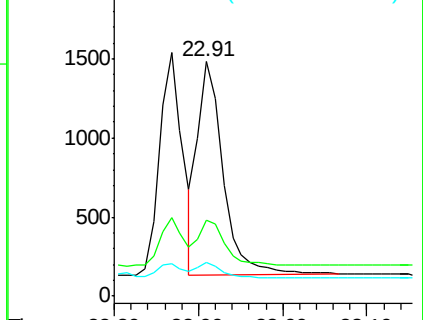
125 14.4 13.7 20.5

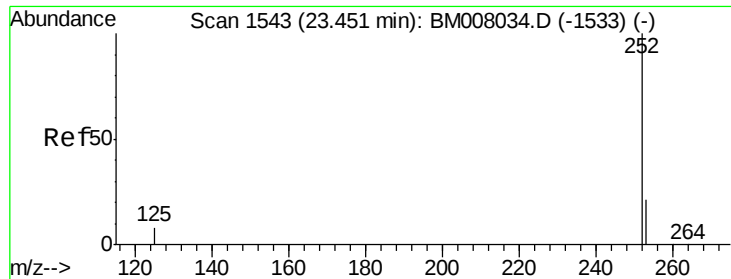


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.40 ng/ul

RT: 23.45 min Scan# 1543

Delta R.T. -0.00 min

Lab File: BM008049.D

Acq: 24 Nov 2016 00:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

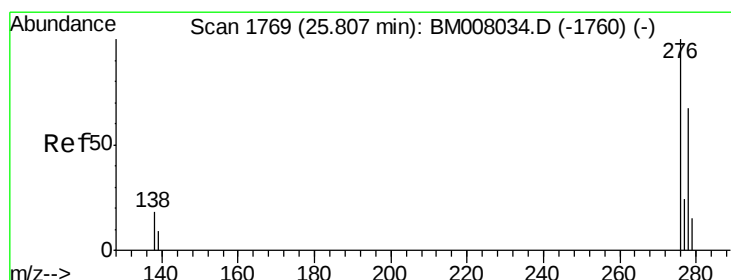
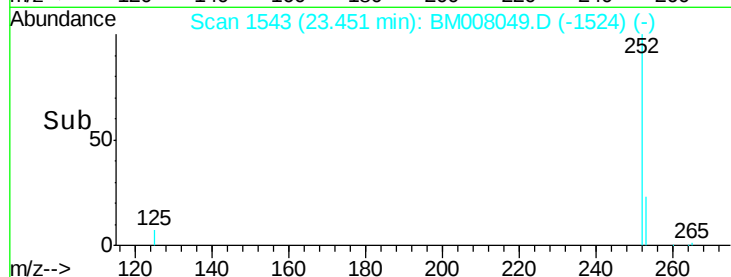
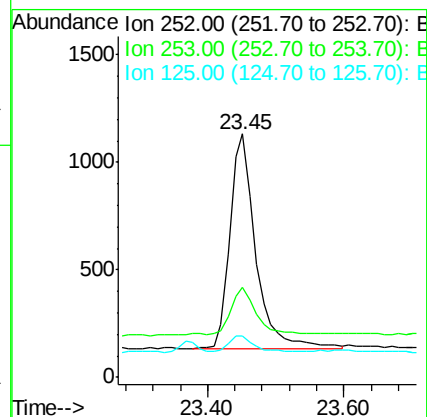
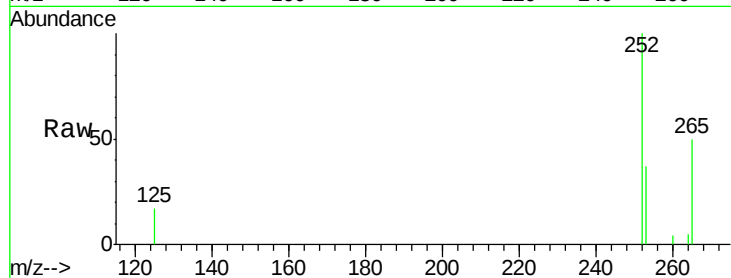
Tgt Ion:252 Resp: 2589

Ion Ratio Lower Upper

252 100

253 37.2 28.5 42.7

125 16.9 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.40 ng/ul

RT: 25.80 min Scan# 1768

Delta R.T. -0.01 min

Lab File: BM008049.D

Acq: 24 Nov 2016 00:14

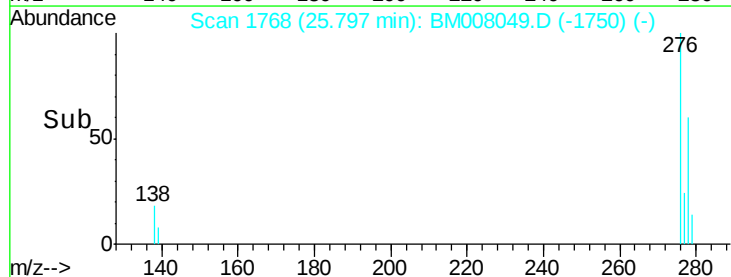
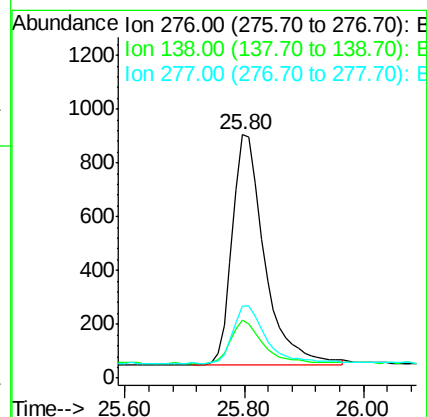
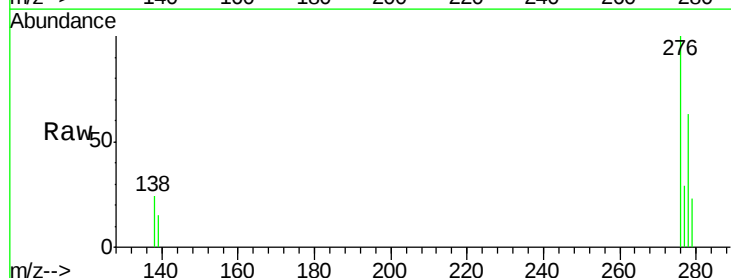
Tgt Ion:276 Resp: 3233

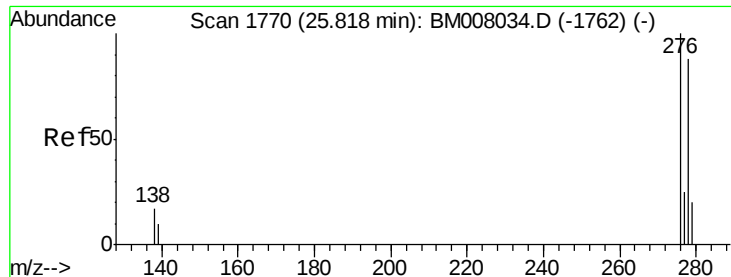
Ion Ratio Lower Upper

276 100

138 18.2 19.1 28.7#

277 24.8 19.6 29.4





#25

Dibenzo(a,h)anthracene

Concen: 0.40 ng/ul

RT: 25.81 min Scan# 1769

Delta R.T. -0.01 min

Lab File: BM008049.D

Acq: 24 Nov 2016 00:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

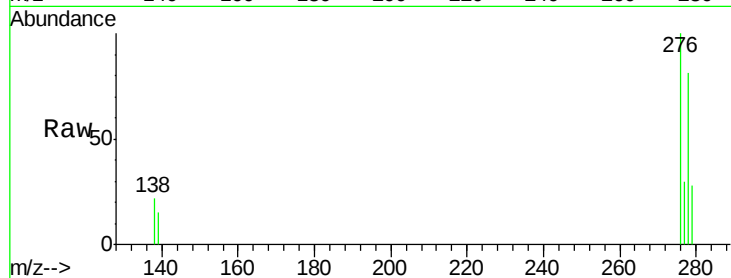
Tgt Ion: 278 Resp: 2593

Ion Ratio Lower Upper

278 100

139 19.2 17.4 26.0

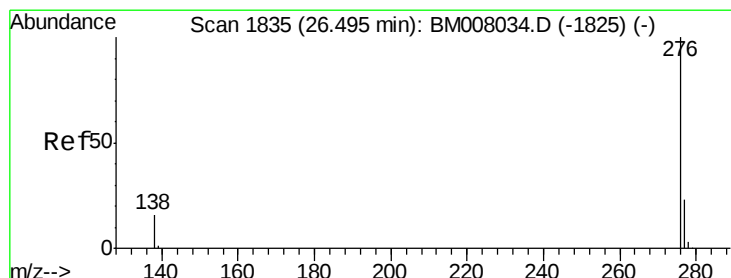
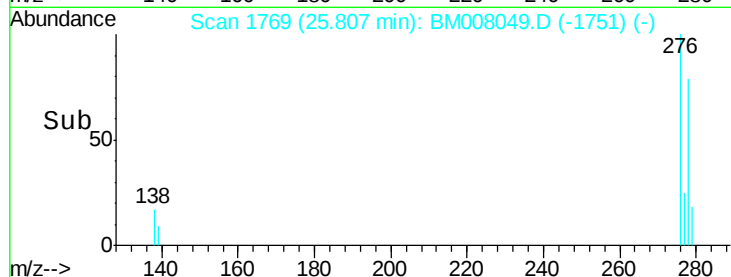
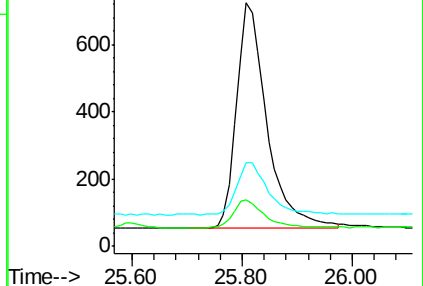
279 34.3 25.9 38.9



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



#26

Benzo(g,h,i)perylene

Concen: 0.40 ng/ul

RT: 26.50 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BM008049.D

Acq: 24 Nov 2016 00:14

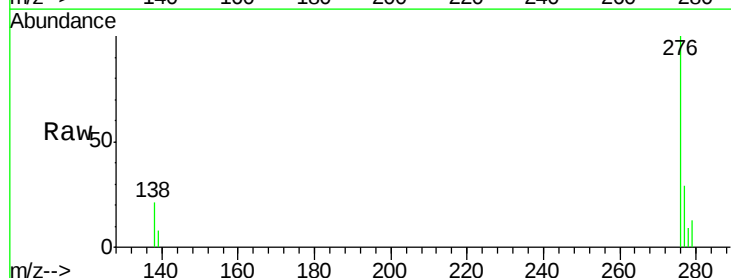
Tgt Ion: 276 Resp: 2848

Ion Ratio Lower Upper

276 100

277 29.2 21.8 32.8

138 21.1 20.5 30.7



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

