

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
 Data File : BM002578.D
 Acq On : 29 Aug 2015 23:21
 Operator : UM/IZ
 Sample : G3455-16
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9E81

Quant Time: Aug 31 01:35:42 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 31 01:34:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	183228	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	793985	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	355687	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	575659	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	498683	20.00	ng/ul	0.00
22) Perylene-d12	24.79	264	530972	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.07	160	606250	16.67	ng/ul	0.00
10) Fluorene-d10	16.34	176	372198	14.57	ng/ul	0.00
14) Anthracene-d10	18.17	188	439800	15.84	ng/ul	0.00
18) Pyrene-d10	20.40	212	350581	15.86	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.62	264	302550	10.85	ng/ul	0.01

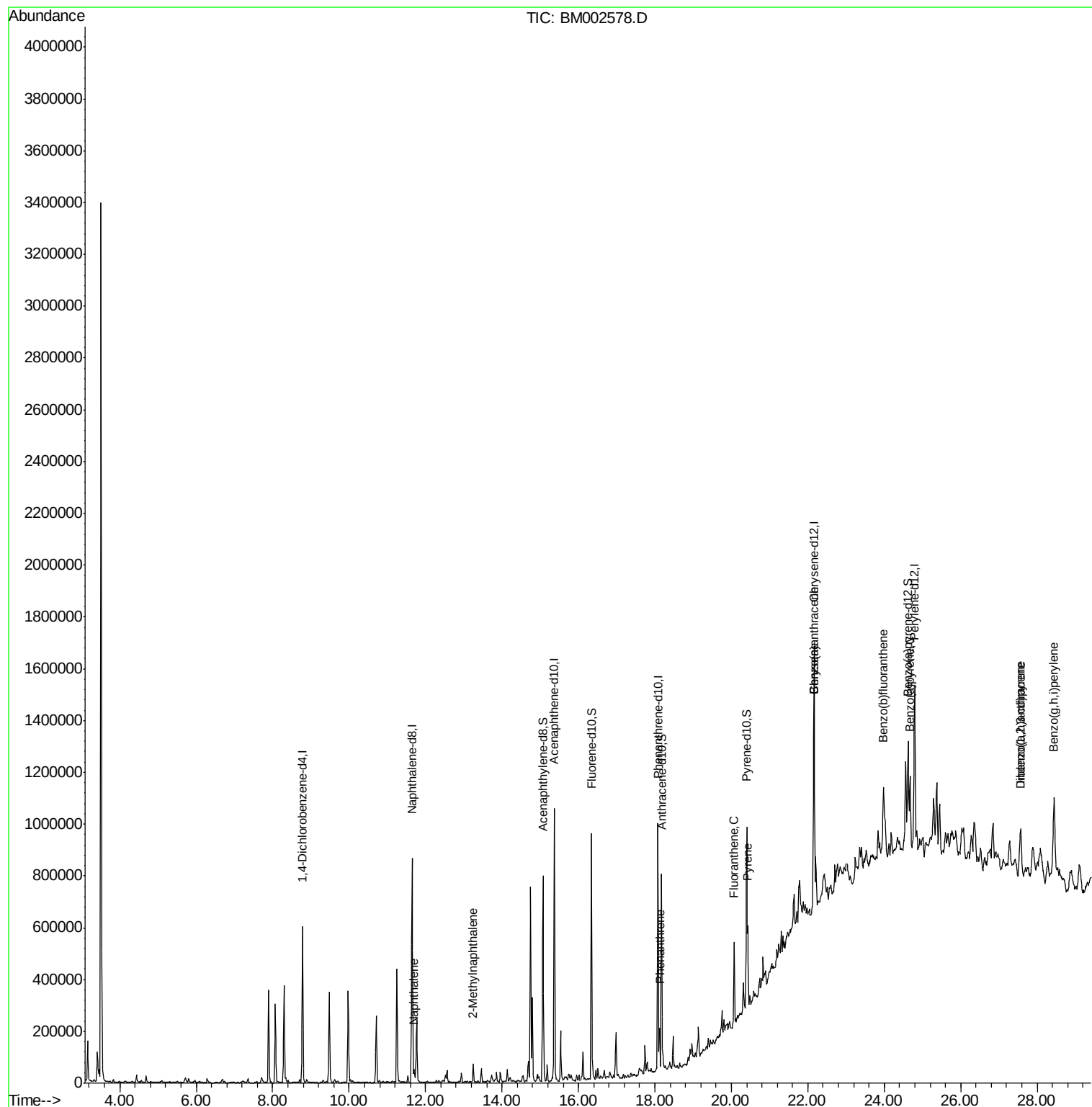
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.70	128	47188	1.16	ng/ul	97
4) 2-Methylnaphthalene	13.25	142	36051	1.19	ng/ul	99
13) Phenanthrene	18.12	178	98906	2.98	ng/ul	100
16) Fluoranthene	20.07	202	201687	5.36	ng/ul	97
19) Pyrene	20.43	202	182352	6.24	ng/ul	98
20) Benzo(a)anthracene	22.14	228	126657	4.25	ng/ul	96
21) Chrysene	22.14	228	126125	4.52	ng/ul	95
23) Benzo(b)fluoranthene	23.98	252	216335	6.74	ng/ul#	92
26) Benzo(a)pyrene	24.68	252	185367	6.05	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	27.57	276	196866	5.58	ng/ul	96
28) Dibenzo(a,h)anthracene	27.55	278	109627	3.72	ng/ul#	78
29) Benzo(g,h,i)perylene	28.44	276	441769	15.05	ng/ul	94

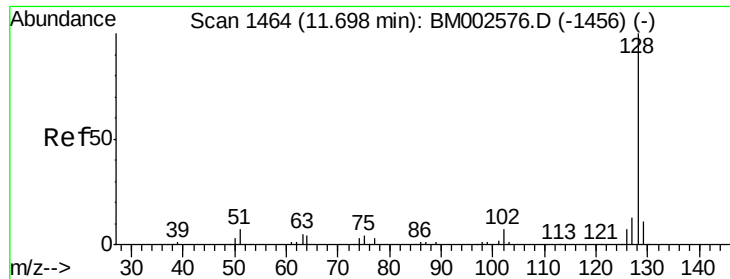
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.16 ng/ul

RT: 11.70 min Scan# 1464

Delta R.T. 0.00 min

Lab File: BM002578.D

Acq: 29 Aug 2015 23:21

Instrument :

BNA_M

ClientSampleId :

D9E81

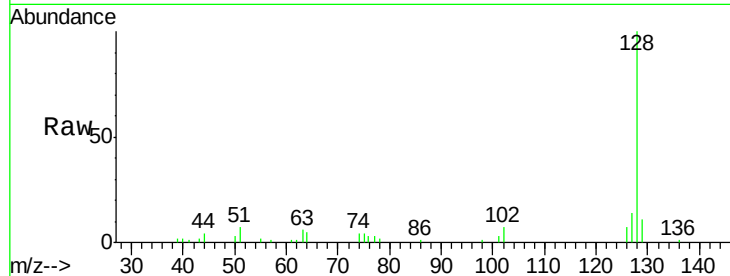
Tgt Ion:128 Resp: 47188

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

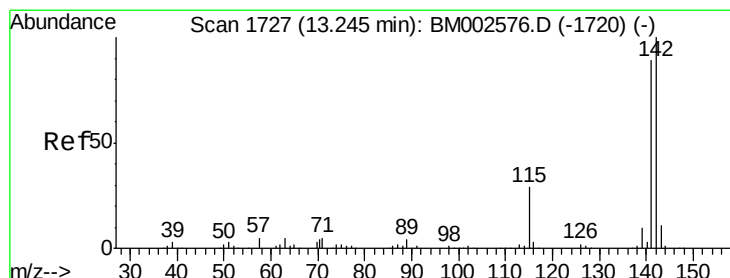
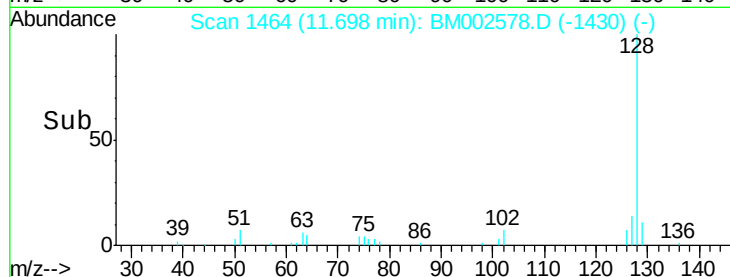
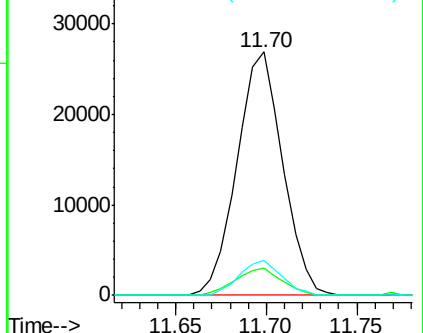
127 14.4 10.4 15.6



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



#4

2-Methylnaphthalene

Concen: 1.19 ng/ul

RT: 13.25 min Scan# 1727

Delta R.T. 0.00 min

Lab File: BM002578.D

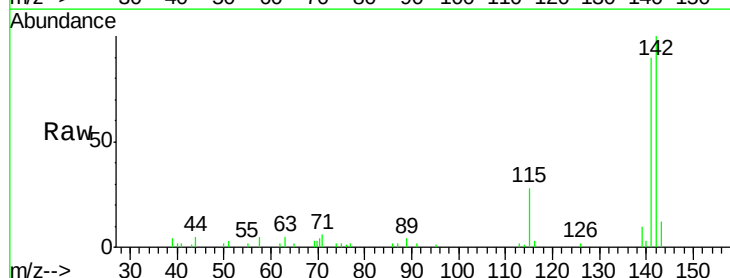
Acq: 29 Aug 2015 23:21

Tgt Ion:142 Resp: 36051

Ion Ratio Lower Upper

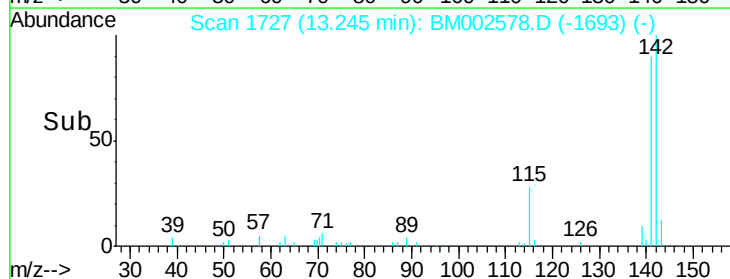
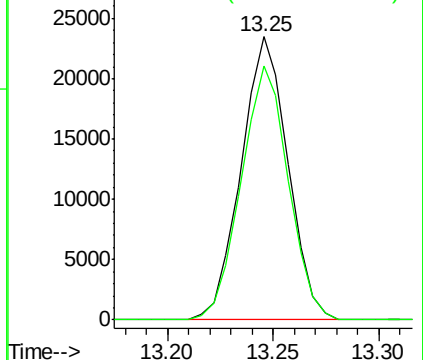
142 100

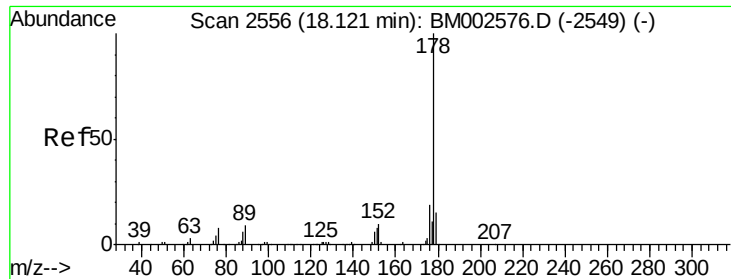
141 89.5 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#13

Phenanthrene

Concen: 2.98 ng/ul

RT: 18.12 min Scan# 2556

Delta R.T. 0.00 min

Lab File: BM002578.D

Acq: 29 Aug 2015 23:21

Instrument :

BNA_M

ClientSampleId :

D9E81

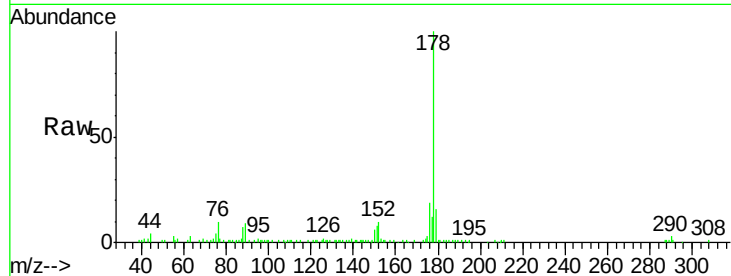
Tgt Ion:178 Resp: 98906

Ion Ratio Lower Upper

178 100

179 15.6 12.4 18.6

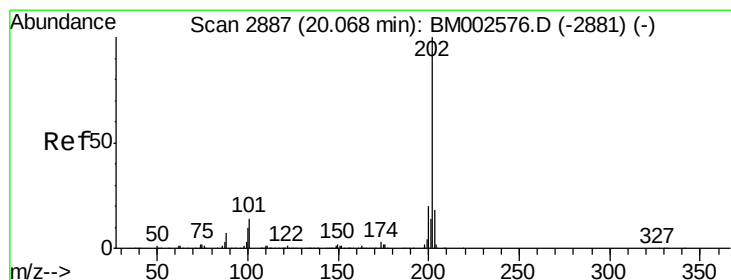
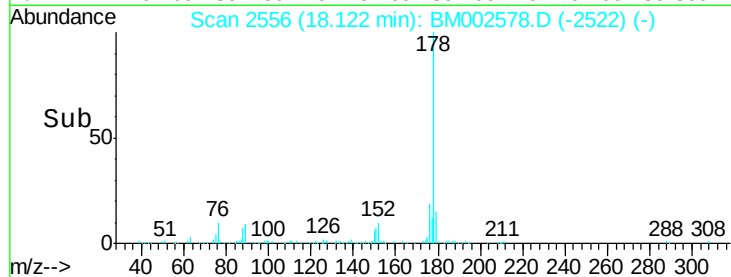
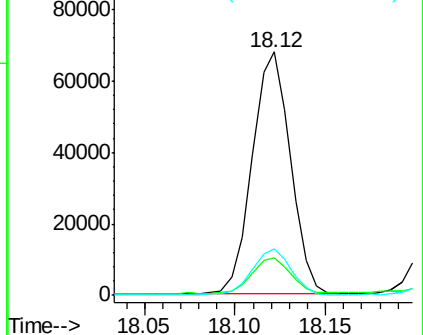
176 19.1 15.1 22.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#16

Fluoranthene

Concen: 5.36 ng/ul

RT: 20.07 min Scan# 2888

Delta R.T. 0.01 min

Lab File: BM002578.D

Acq: 29 Aug 2015 23:21

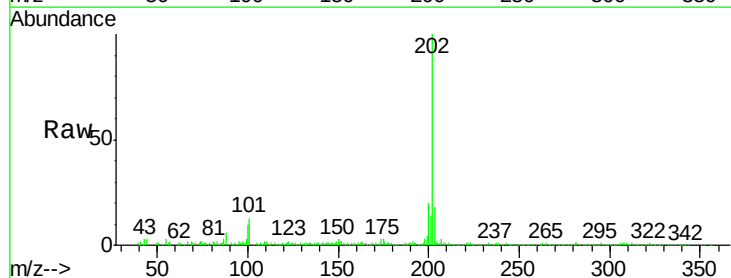
Tgt Ion:202 Resp: 201687

Ion Ratio Lower Upper

202 100

101 13.3 9.7 14.5

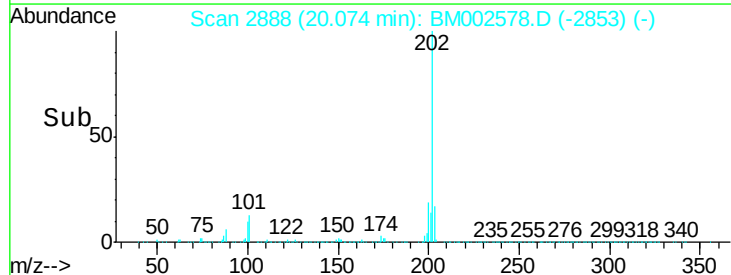
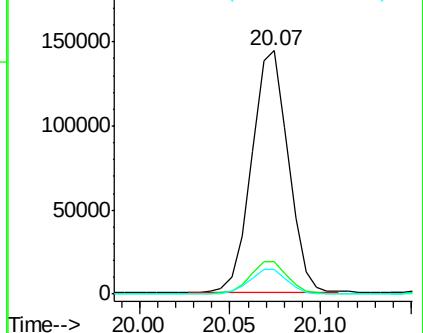
100 10.1 7.4 11.2

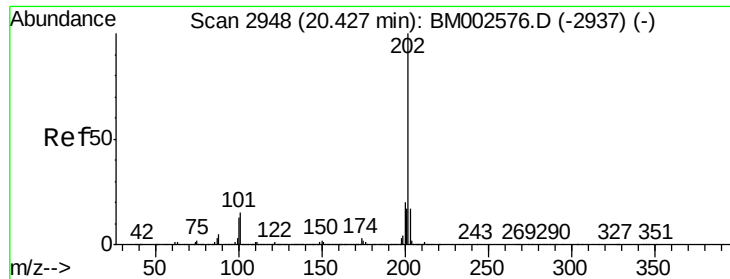


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pyrene

Concen: 6.24 ng/ul

RT: 20.43 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BM002578.D

Acq: 29 Aug 2015 23:21

Instrument :

BNA_M

ClientSampleId :

D9E81

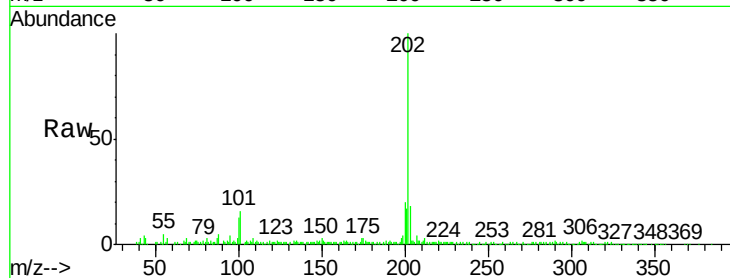
Tgt Ion:202 Resp: 182352

Ion Ratio Lower Upper

202 100

101 15.9 12.0 18.0

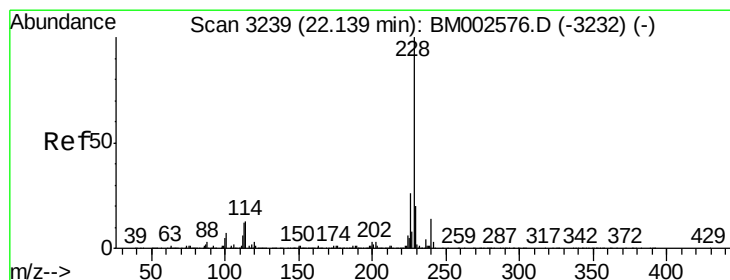
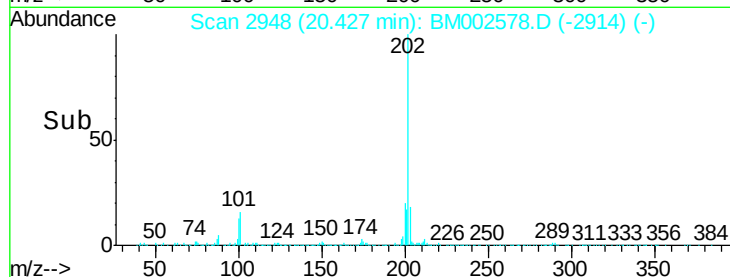
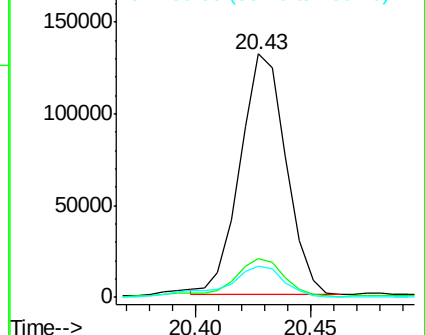
100 13.0 9.7 14.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#20

Benzo(a)anthracene

Concen: 4.25 ng/ul

RT: 22.14 min Scan# 3240

Delta R.T. 0.01 min

Lab File: BM002578.D

Acq: 29 Aug 2015 23:21

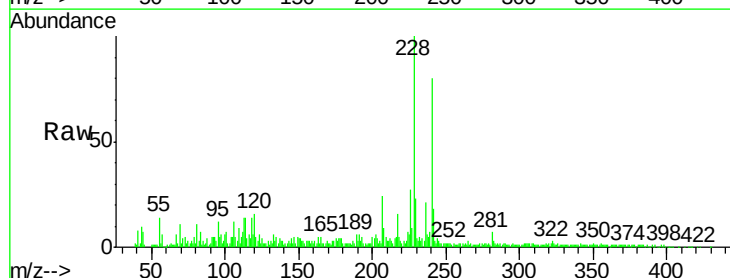
Tgt Ion:228 Resp: 126657

Ion Ratio Lower Upper

228 100

229 22.8 15.8 23.6

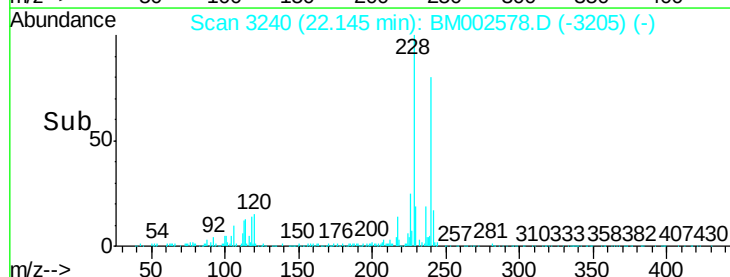
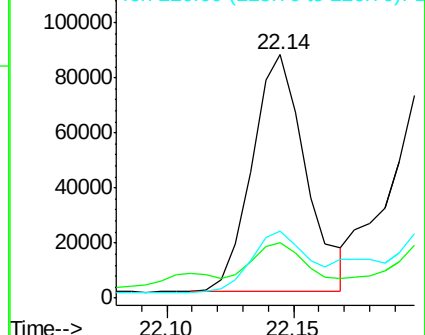
226 27.3 21.1 31.7

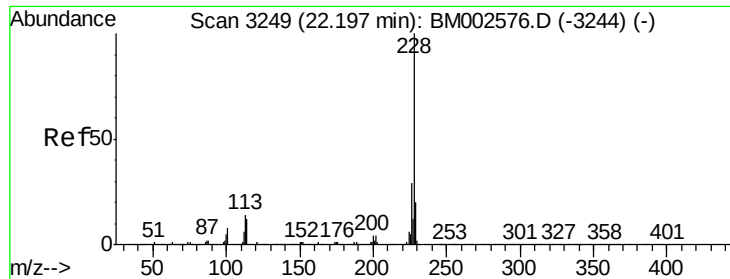


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 4.52 ng/ul

RT: 22.14 min Scan# 3240

Delta R.T. -0.05 min

Lab File: BM002578.D

Acq: 29 Aug 2015 23:21

Instrument :

BNA_M

ClientSampleId :

D9E81

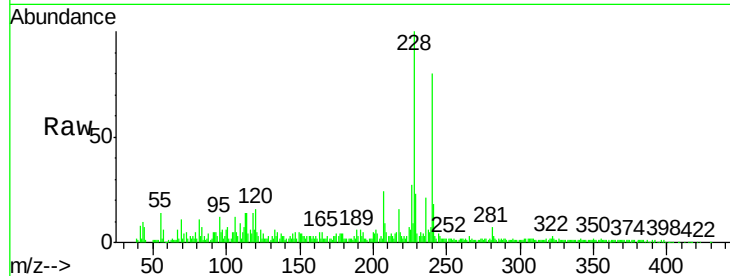
Tgt Ion:228 Resp: 126125

Ion Ratio Lower Upper

228 100

226 27.3 23.4 35.2

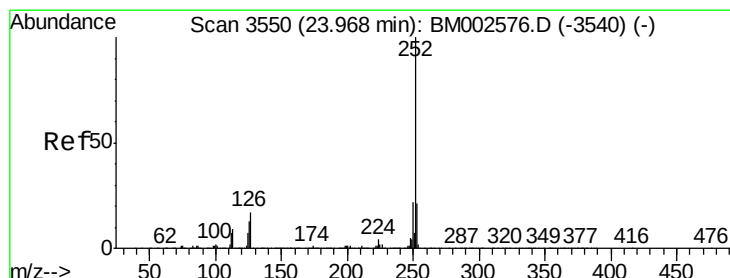
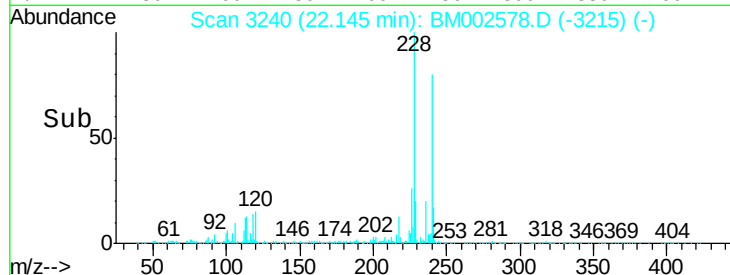
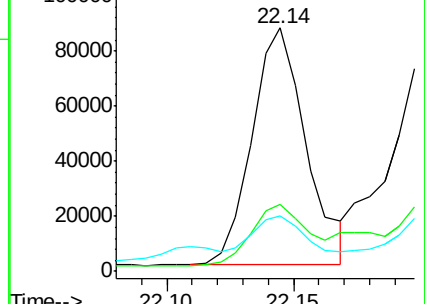
229 22.8 15.7 23.5



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



#23

Benzo(b)fluoranthene

Concen: 6.74 ng/ul

RT: 23.98 min Scan# 3552

Delta R.T. 0.01 min

Lab File: BM002578.D

Acq: 29 Aug 2015 23:21

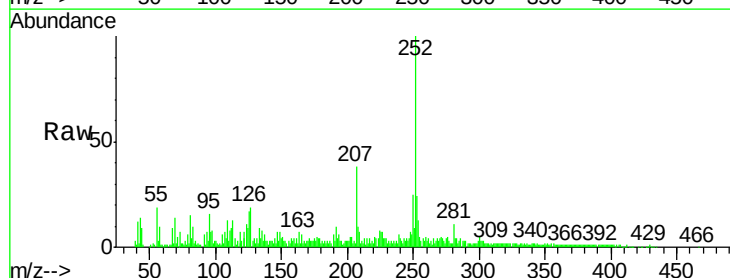
Tgt Ion:252 Resp: 216335

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.0

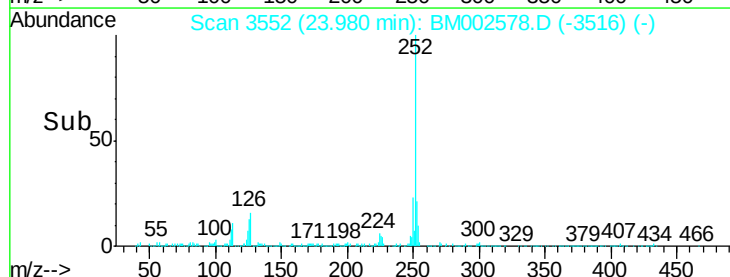
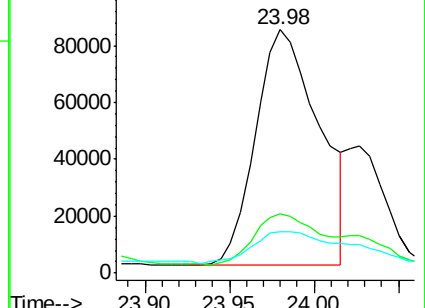
125 17.0 10.0 15.0#

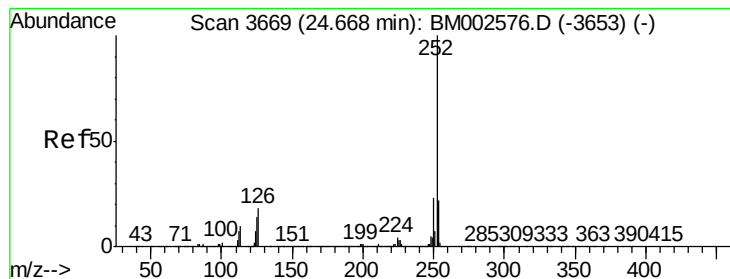


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 6.05 ng/ul

RT: 24.68 min Scan# 3671

Delta R.T. 0.01 min

Lab File: BM002578.D

Acq: 29 Aug 2015 23:21

Instrument :

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ClientSampleId :

D9E81

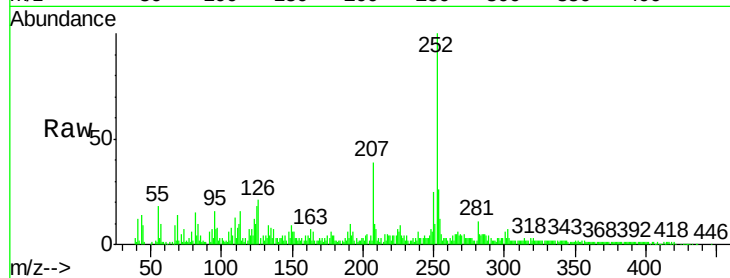
Tgt Ion:252 Resp: 185367

Ion Ratio Lower Upper

252 100

253 25.7 17.6 26.4

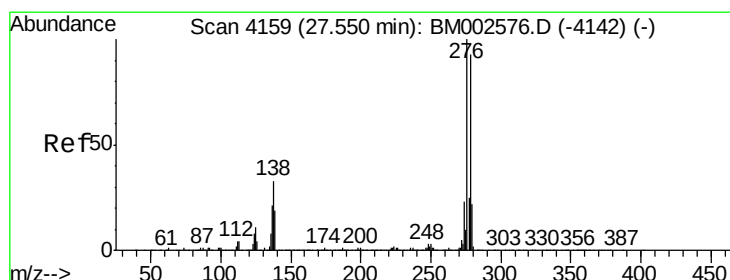
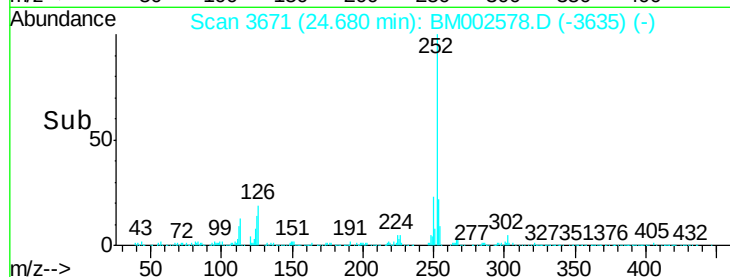
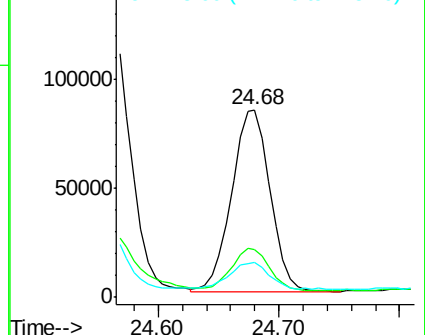
125 18.4 10.7 16.1#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 5.58 ng/ul

RT: 27.57 min Scan# 4162

Delta R.T. 0.02 min

Lab File: BM002578.D

Acq: 29 Aug 2015 23:21

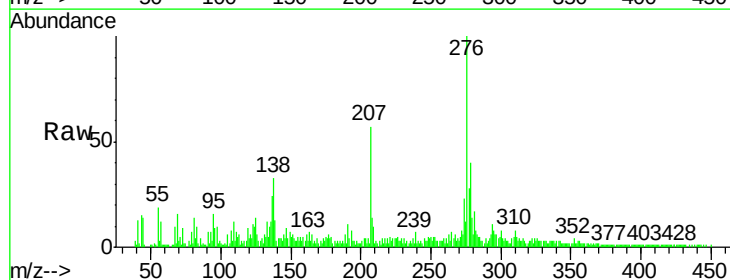
Tgt Ion:276 Resp: 196866

Ion Ratio Lower Upper

276 100

138 33.1 25.3 37.9

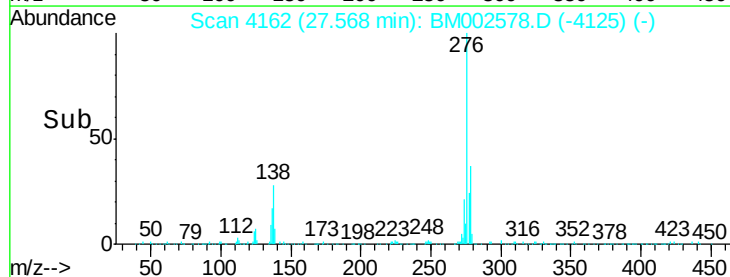
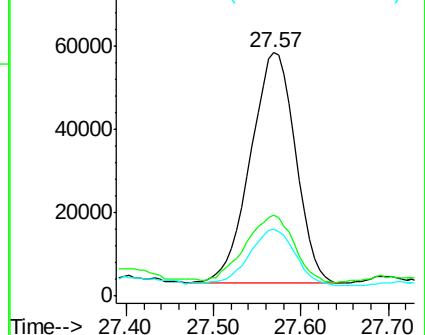
277 27.5 20.2 30.2

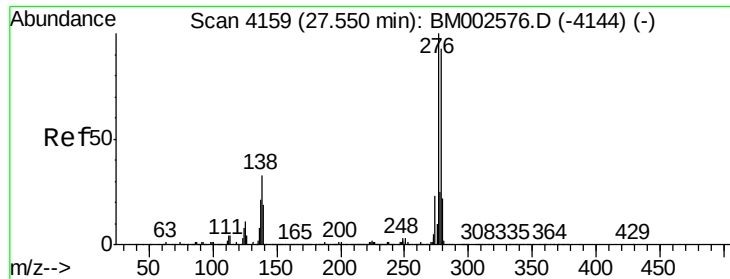


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 3.72 ng/ul

RT: 27.55 min Scan# 4159

Delta R.T. 0.00 min

Lab File: BM002578.D

Acq: 29 Aug 2015 23:21

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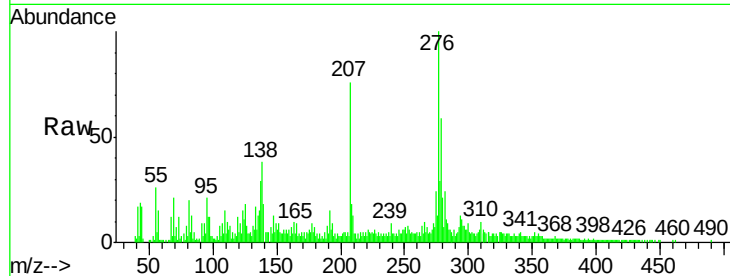
Tgt Ion:278 Resp: 109627

Ion Ratio Lower Upper

278 100

139 29.5 16.5 24.7#

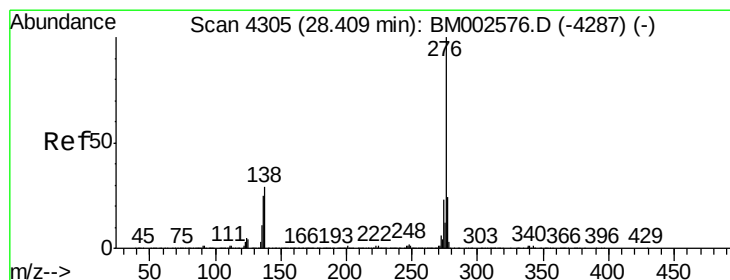
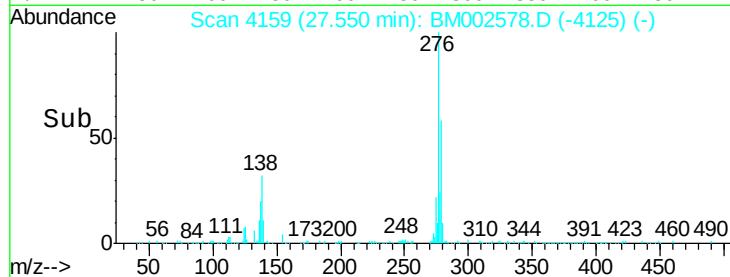
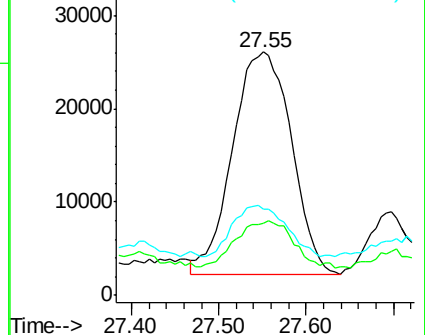
279 35.3 18.8 28.2#



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



#29

Benzo(g,h,i)perylene

Concen: 15.05 ng/ul

RT: 28.44 min Scan# 4311

Delta R.T. 0.04 min

Lab File: BM002578.D

Acq: 29 Aug 2015 23:21

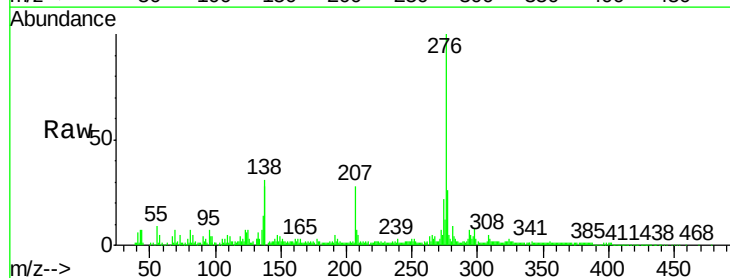
Tgt Ion:276 Resp: 441769

Ion Ratio Lower Upper

276 100

138 30.5 21.0 31.6

277 25.7 19.2 28.8



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

