

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002399.D
 Acq On : 14 Aug 2015 23:29
 Operator : UM/IZ
 Sample : G3914-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G3914-01

Quant Time: Aug 17 01:56:16 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 01:53:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	79579	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	395815	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.44	164	226958	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.15	188	492020	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	519131	20.00	ng/ul	0.00
22) Perylene-d12	24.89	264	512823	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.15	160	991303	42.72	ng/ul	0.00
10) Fluorene-d10	16.42	176	679584	41.70	ng/ul	0.00
14) Anthracene-d10	18.25	188	1033579	43.55	ng/ul	0.00
18) Pyrene-d10	20.46	212	1091137	47.42	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.71	264	1210255	44.93	ng/ul	0.00

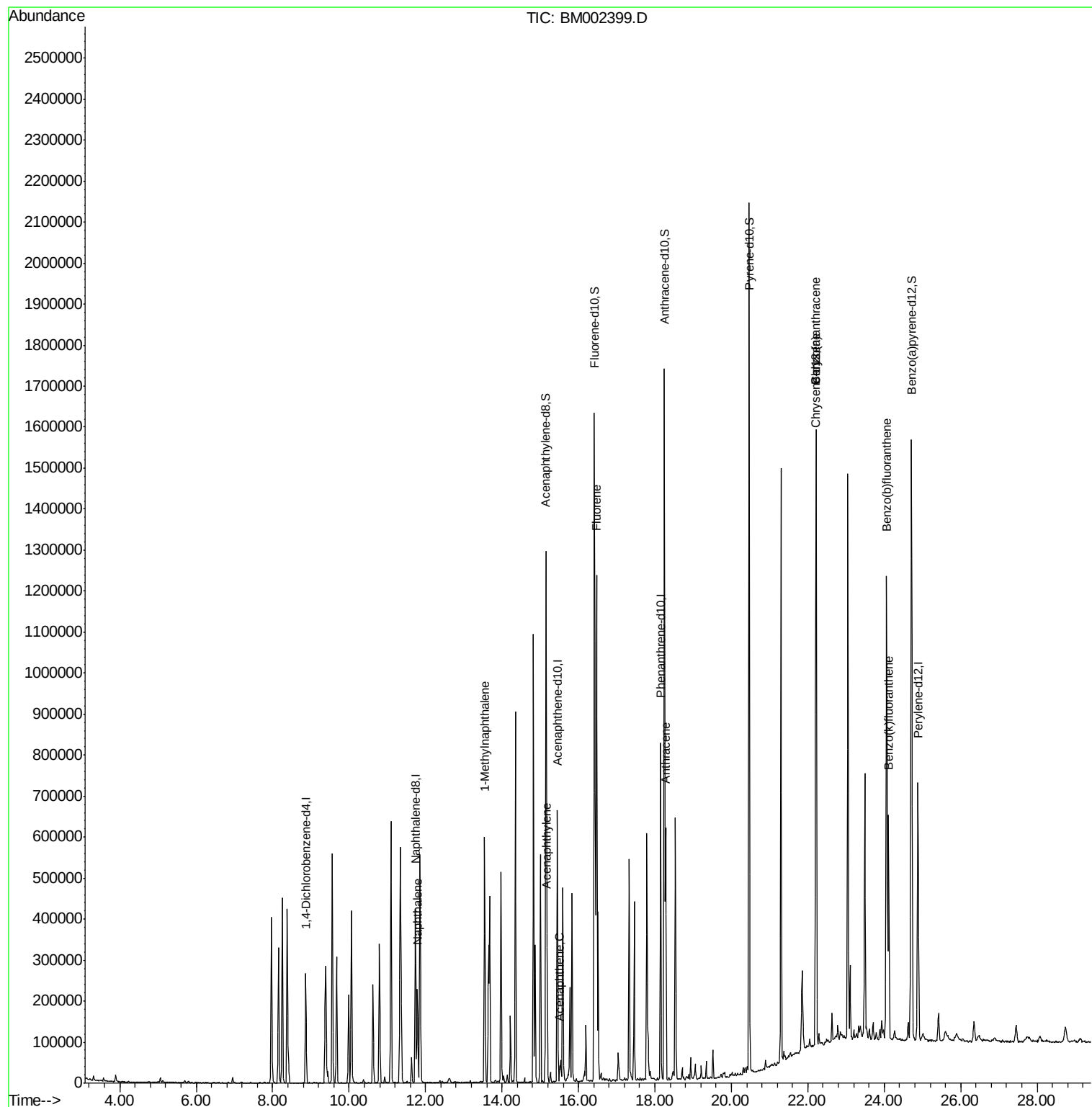
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.79	128	205782	10.19	ng/ul	99
5) 1-Methylnaphthalene	13.55	142	289409	19.33	ng/ul	100
8) Acenaphthylene	15.18	152	222777	9.17	ng/ul	100
9) Acenaphthene	15.51	153	17911	1.12	ng/ul	98
11) Fluorene	16.47	166	584838	31.90	ng/ul	99
15) Anthracene	18.29	178	390592	13.57	ng/ul	99
20) Benzo(a)anthracene	22.21	228	756092	24.36	ng/ul	100
21) Chrysene	22.21	228	756092	26.04	ng/ul	96
23) Benzo(b)fluoranthene	24.06	252	885198	28.55	ng/ul	100
24) Benzo(k)fluoranthene	24.11	252	395318	13.46	ng/ul	98

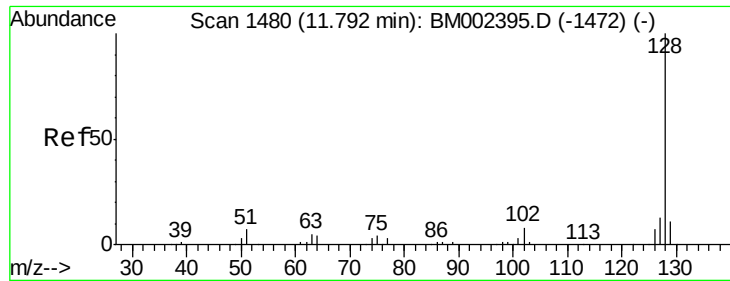
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 10.19 ng/ul

RT: 11.79 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BM002399.D

Acq: 14 Aug 2015 23:29

Instrument :

BNA_M

ClientSampleId :

G3914-01

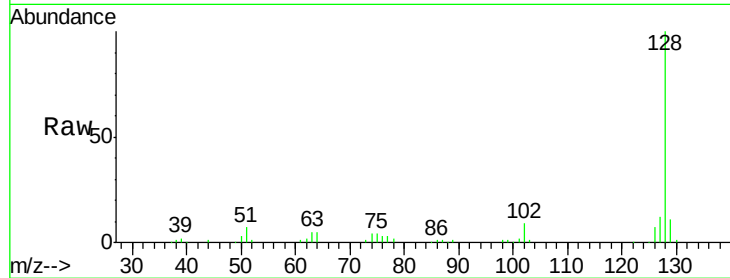
Tot Ion:128 Resp: 205782

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

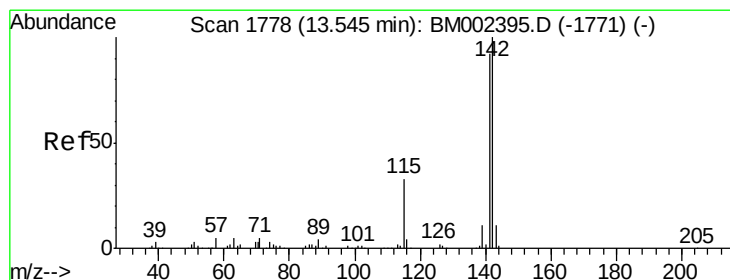
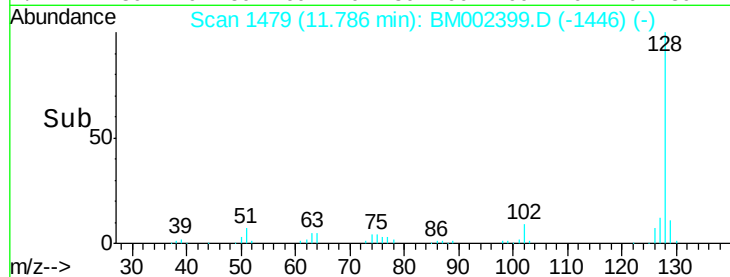
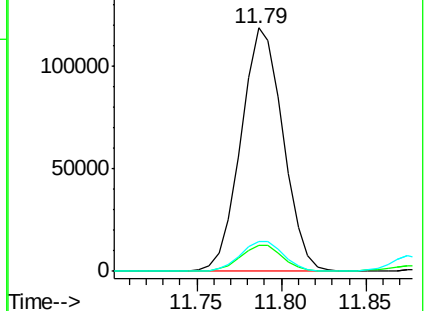
127 12.2 10.4 15.6



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



#5

1-Methylnaphthalene

Concen: 19.33 ng/ul

RT: 13.55 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BM002399.D

Acq: 14 Aug 2015 23:29

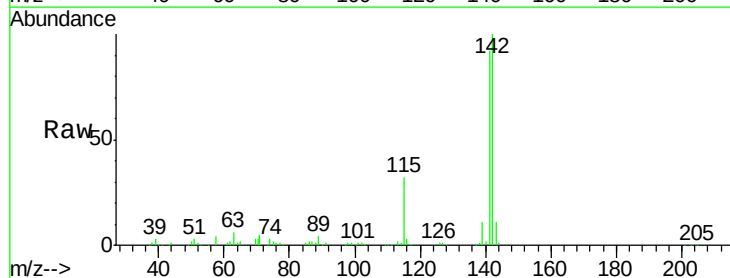
Tgt Ion:142 Resp: 289409

Ion Ratio Lower Upper

142 100

141 92.4 73.9 110.9

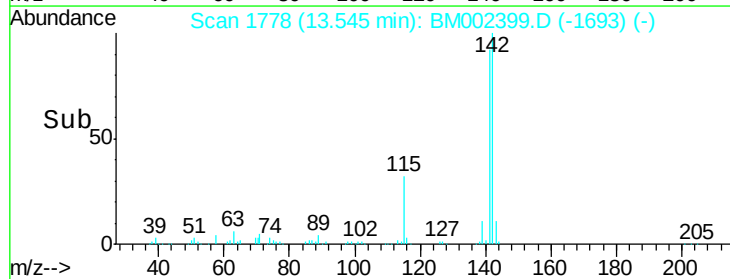
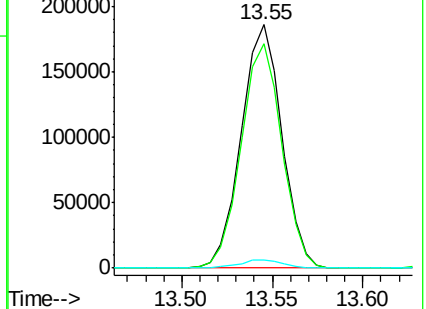
116 3.3 3.0 4.4

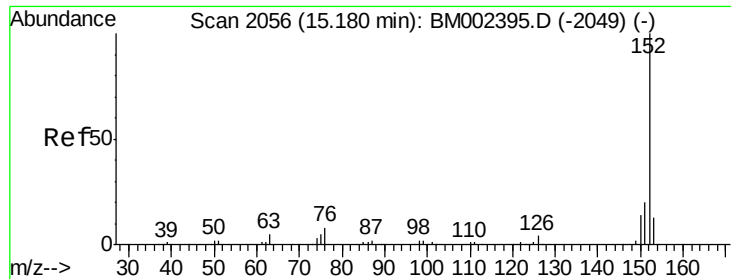


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#8

Acenaphthylene

Concen: 9.17 ng/ul

RT: 15.18 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BM002399.D

Acq: 14 Aug 2015 23:29

Instrument :

BNA_M

ClientSampleId :

G3914-01

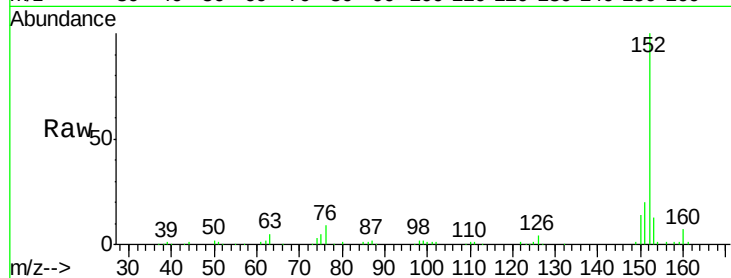
Tot Ion:152 Resp: 222777

Ion Ratio Lower Upper

152 100

151 19.6 15.7 23.5

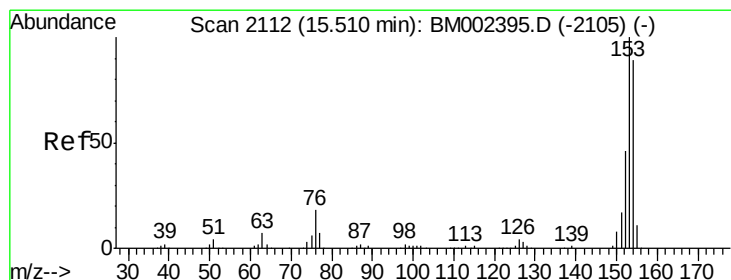
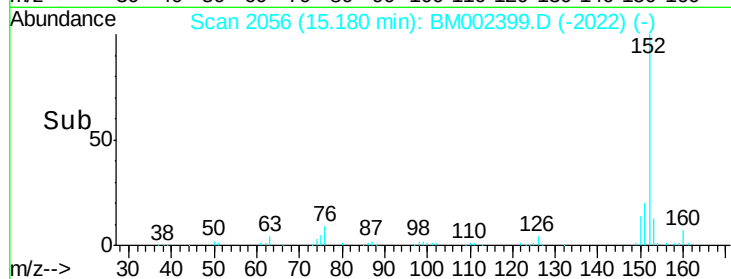
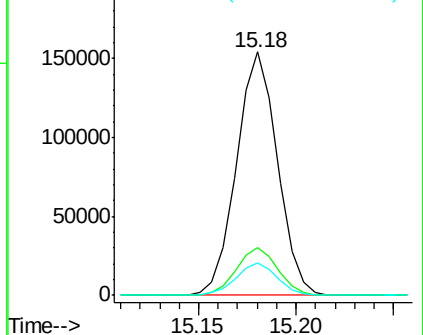
153 13.1 10.2 15.4



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



#9

Acenaphthene

Concen: 1.12 ng/ul

RT: 15.51 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BM002399.D

Acq: 14 Aug 2015 23:29

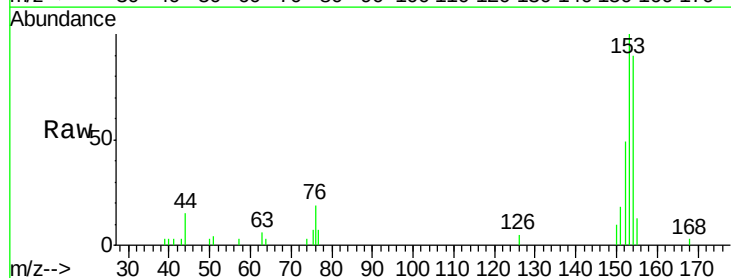
Tgt Ion:153 Resp: 17911

Ion Ratio Lower Upper

153 100

152 49.2 36.9 55.3

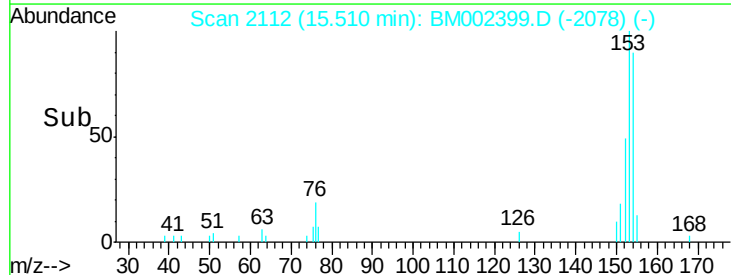
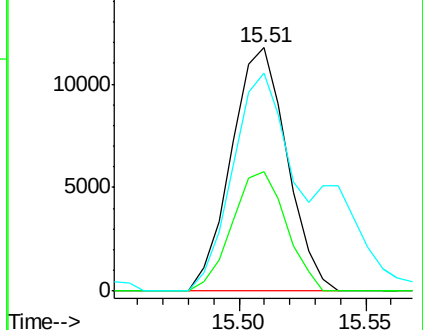
154 89.6 71.3 106.9

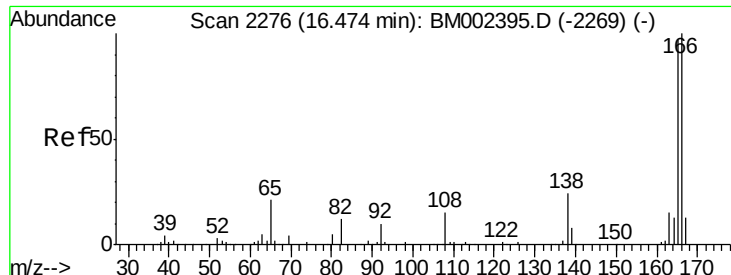


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 31.90 ng/ul

RT: 16.47 min Scan# 2276

Delta R.T. -0.00 min

Lab File: BM002399.D

Acq: 14 Aug 2015 23:29

Instrument :

BNA_M

ClientSampleId :

G3914-01

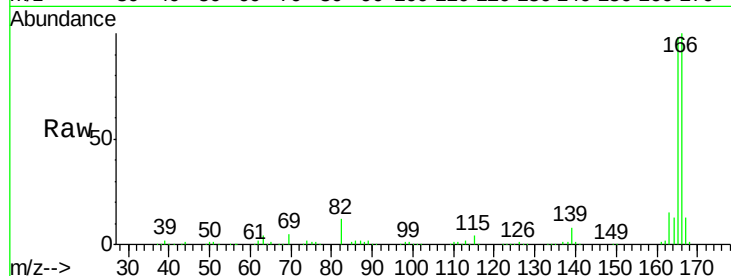
Tot Ion:166 Resp: 584838

Ion Ratio Lower Upper

166 100

165 97.7 77.6 116.4

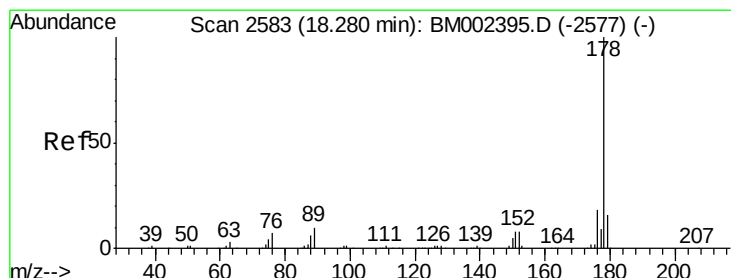
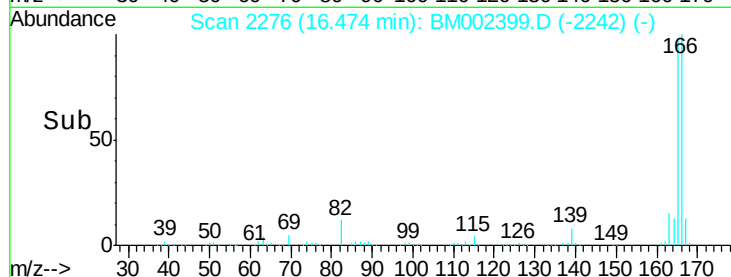
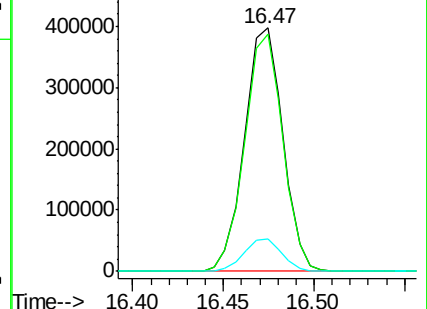
167 13.1 10.7 16.1



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



#15

Anthracene

Concen: 13.57 ng/ul

RT: 18.29 min Scan# 2584

Delta R.T. 0.01 min

Lab File: BM002399.D

Acq: 14 Aug 2015 23:29

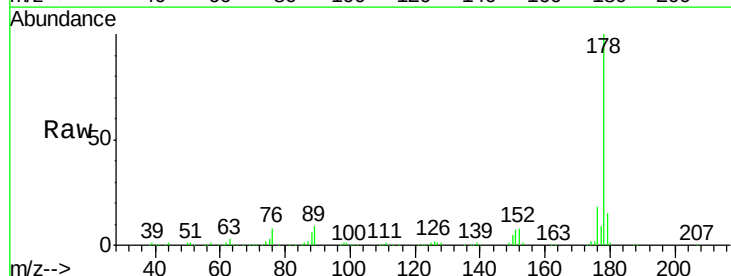
Tgt Ion:178 Resp: 390592

Ion Ratio Lower Upper

178 100

179 15.2 12.6 18.8

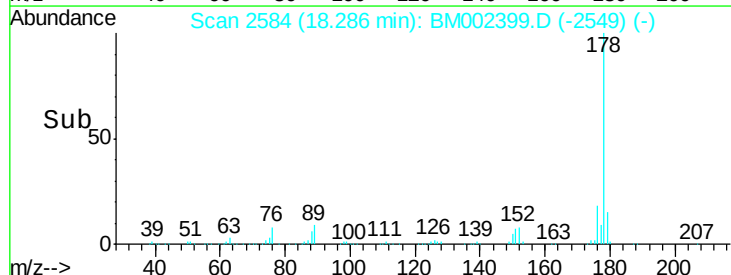
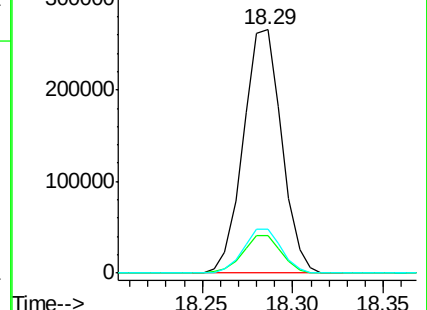
176 17.9 14.5 21.7

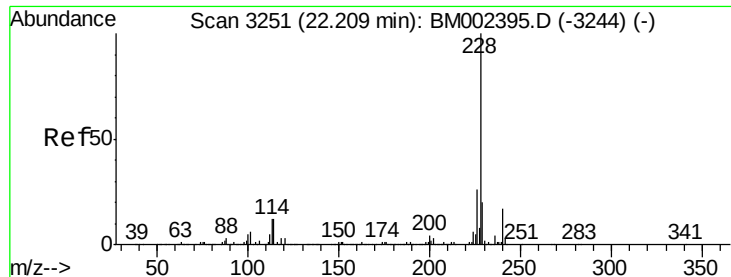


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#20

Benzo(a)anthracene

Concen: 24.36 ng/ul

RT: 22.21 min Scan# 3251

Delta R.T. -0.00 min

Lab File: BM002399.D

Acq: 14 Aug 2015 23:29

Instrument :

BNA_M

ClientSampleId :

G3914-01

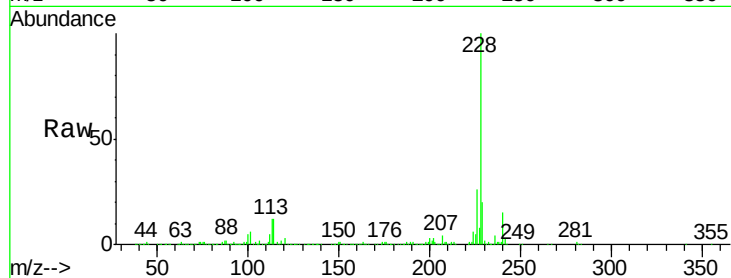
Tot Ion:228 Resp: 756092

Ion Ratio Lower Upper

228 100

229 19.6 15.8 23.6

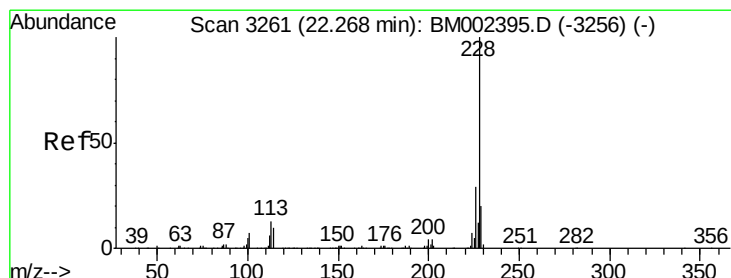
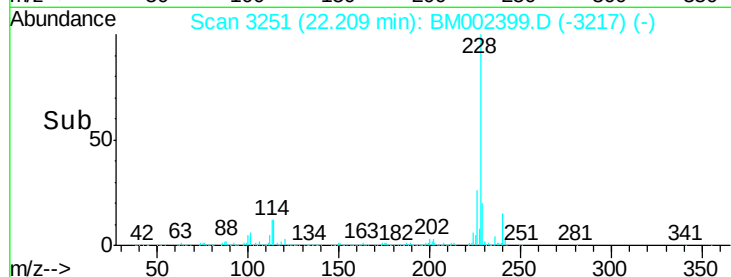
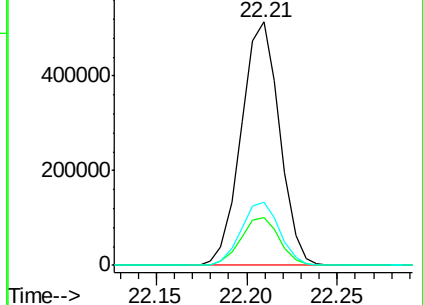
226 26.1 21.1 31.7



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: 26.04 ng/ul

RT: 22.21 min Scan# 3251

Delta R.T. -0.06 min

Lab File: BM002399.D

Acq: 14 Aug 2015 23:29

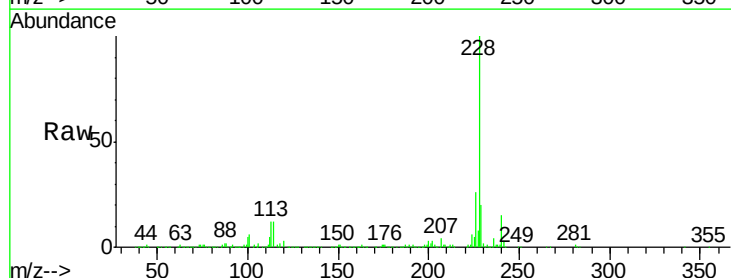
Tgt Ion:228 Resp: 756092

Ion Ratio Lower Upper

228 100

226 26.1 23.4 35.2

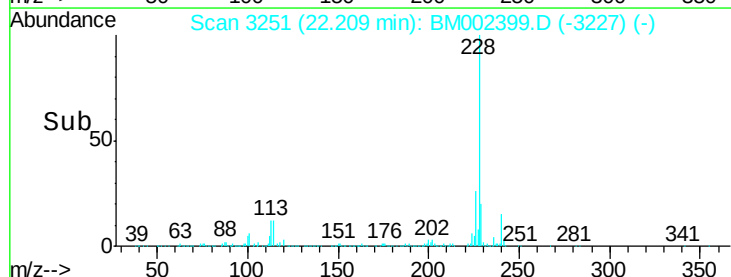
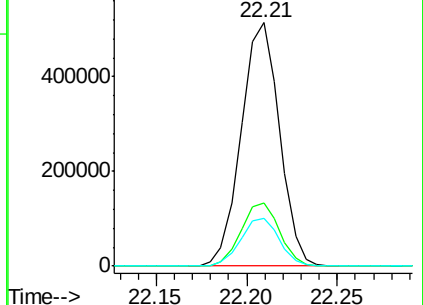
229 19.6 15.7 23.5

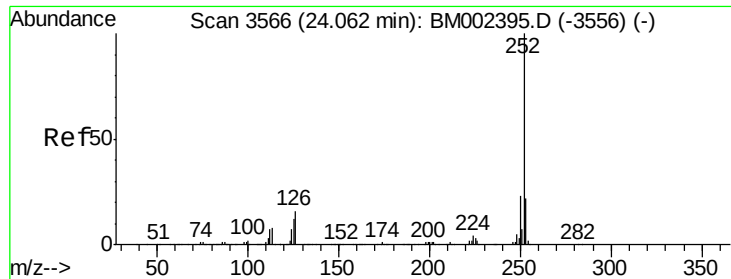


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 28.55 ng/ul

RT: 24.06 min Scan# 3566

Delta R.T. -0.00 min

Lab File: BM002399.D

Acq: 14 Aug 2015 23:29

Instrument :

BNA_M

ClientSampleId :

G3914-01

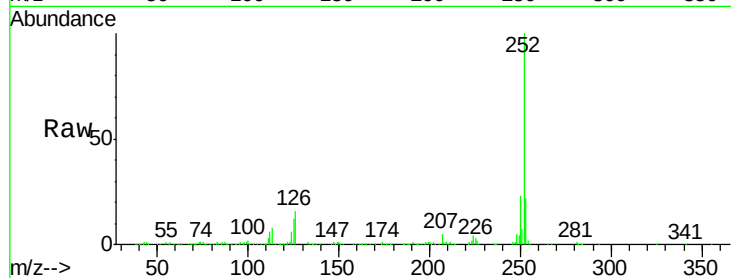
Tot Ion:252 Resp: 885198

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

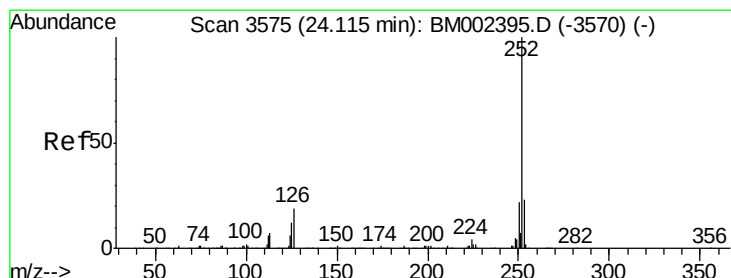
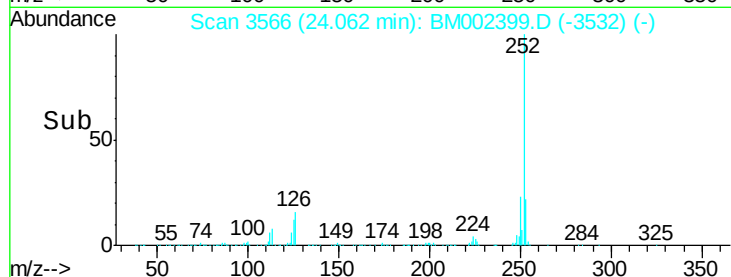
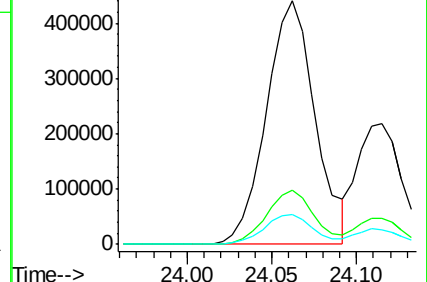
125 12.5 10.0 15.0



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



#24

Benzo(k)fluoranthene

Concen: 13.46 ng/ul

RT: 24.11 min Scan# 3575

Delta R.T. -0.00 min

Lab File: BM002399.D

Acq: 14 Aug 2015 23:29

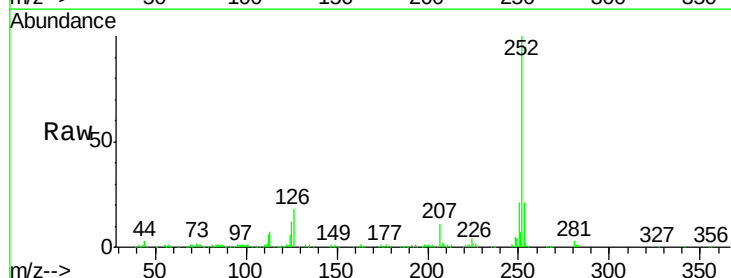
Tgt Ion:252 Resp: 395318

Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.6

125 12.1 9.8 14.8



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

