

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081315\
 Data File : BM002400.D
 Acq On : 13 Aug 2015 16:35
 Operator : UM/IZ
 Sample : G3194-19MSD
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DB8MSD

Quant Time: Aug 14 02:04:30 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 14 02:01:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	264552	20.00	ng/ul	0.00
2) Naphthalene-d8	11.78	136	1154516	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	555912	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.20	188	1367882	20.00	ng/ul	0.00
17) Chrysene-d12	22.30	240	658312	20.00	ng/ul	0.01
22) Perylene-d12	25.00	264	678094	20.00	ng/ul	0.02

System Monitoring Compounds						
7) Acenaphthylene-d8	15.19	160	1711990	29.73	ng/ul	0.00
10) Fluorene-d10	16.46	176	1097506	27.40	ng/ul	0.00
14) Anthracene-d10	18.30	188	1971627	29.70	ng/ul	0.01
18) Pyrene-d10	20.52	212	1458788	45.69	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.83	264	1038428	28.84	ng/ul	0.02

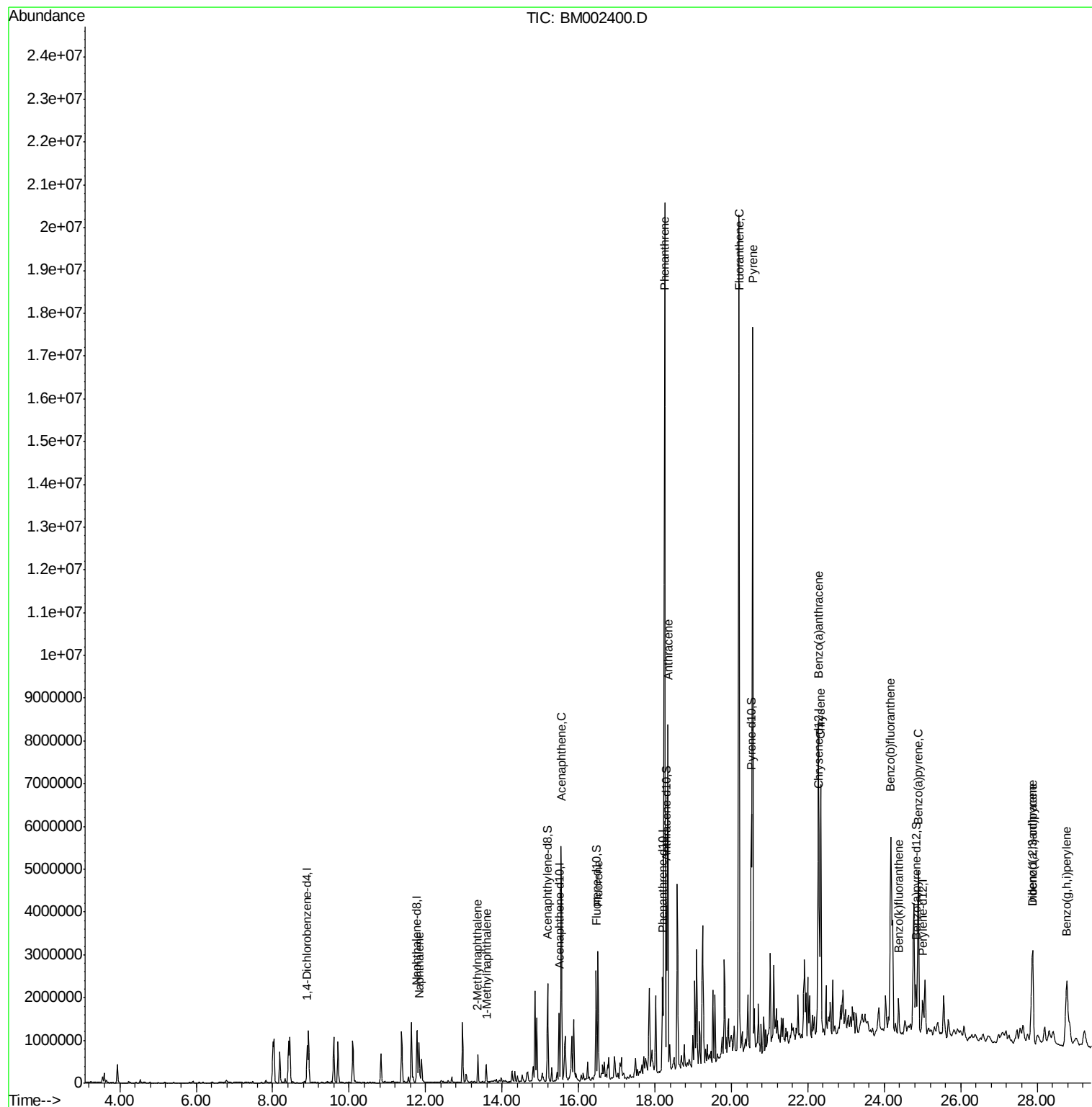
Target Compounds				Qvalue		
3) Naphthalene	11.83	128	832076	13.69	ng/ul	99
4) 2-Methylnaphthalene	13.37	142	314239	7.24	ng/ul	97
5) 1-Methylnaphthalene	13.59	142	202470	4.73	ng/ul	97
9) Acenaphthene	15.55	153	2421950	60.22	ng/ul	99
11) Fluorene	16.52	166	1347935	29.76	ng/ul	99
13) Phenanthrene	18.26	178	13845417	175.86	ng/ul#	90
15) Anthracene	18.34	178	5061015	62.24	ng/ul	98
16) Fluoranthene	20.20	202	12803929	146.88	ng/ul#	89
19) Pyrene	20.56	202	10839100	254.68	ng/ul#	92
20) Benzo(a)anthracene	22.28	228	3949915	98.29	ng/ul	98
21) Chrysene	22.34	228	3590417	94.28	ng/ul	96
23) Benzo(b)fluoranthene	24.17	252	5079205	120.51	ng/ul	98
24) Benzo(k)fluoranthene	24.38	252	605597	14.96	ng/ul#	88
26) Benzo(a)pyrene	24.89	252	3286205	81.49	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.88	276	2495549	53.98	ng/ul	93
28) Dibenzo(a,h)anthracene	27.88	278	700296	17.88	ng/ul#	77
29) Benzo(g,h,i)perylene	28.77	276	2175799	55.79	ng/ul	98

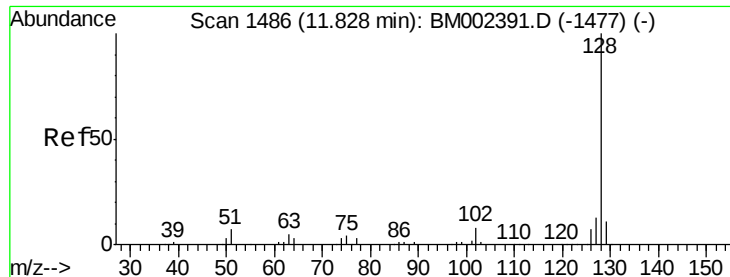
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 13.69 ng/ul

RT: 11.83 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BM002400.D

Acq: 13 Aug 2015 16:35

Instrument :

BNA_M

ClientSampleId :

D9DB8MSD

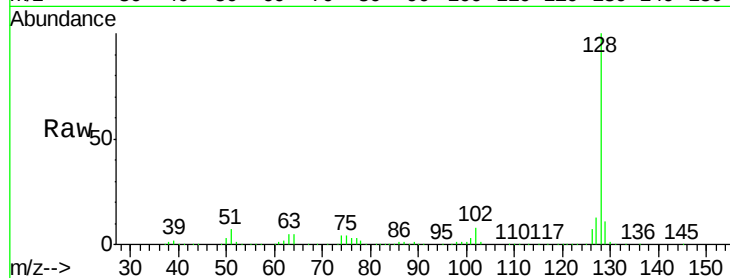
Tgt Ion:128 Resp: 832076

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

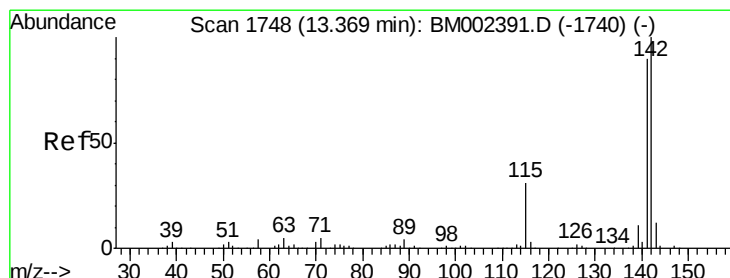
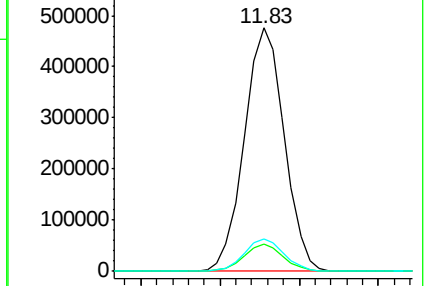
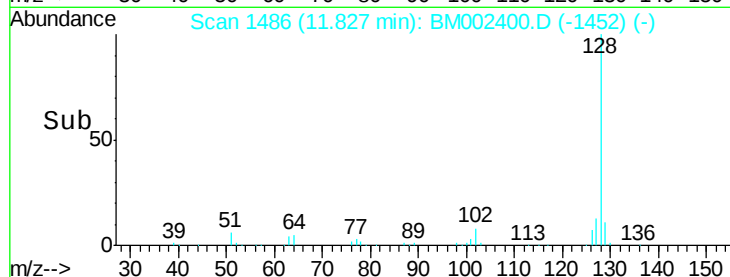
127 13.2 10.4 15.6



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



#4

2-Methylnaphthalene

Concen: 7.24 ng/ul

RT: 13.37 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BM002400.D

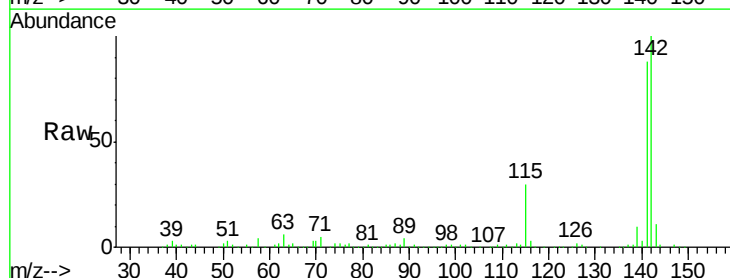
Acq: 13 Aug 2015 16:35

Tgt Ion:142 Resp: 314239

Ion Ratio Lower Upper

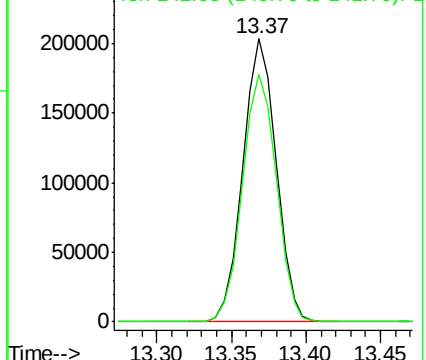
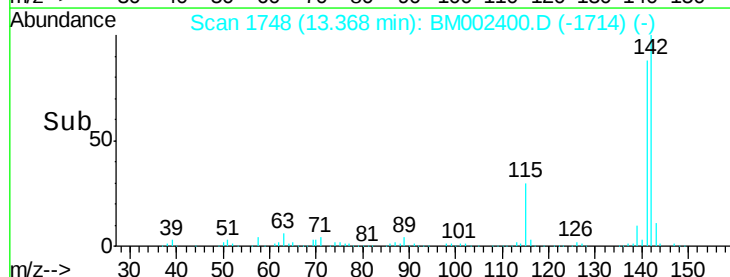
142 100

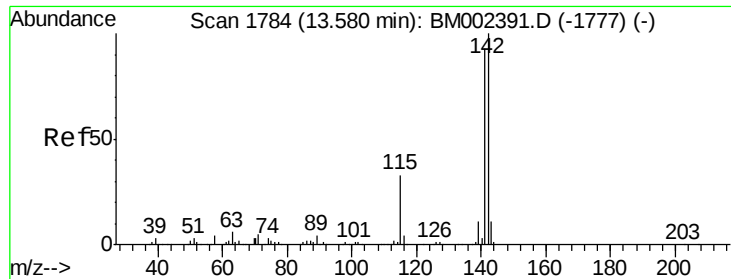
141 87.7 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

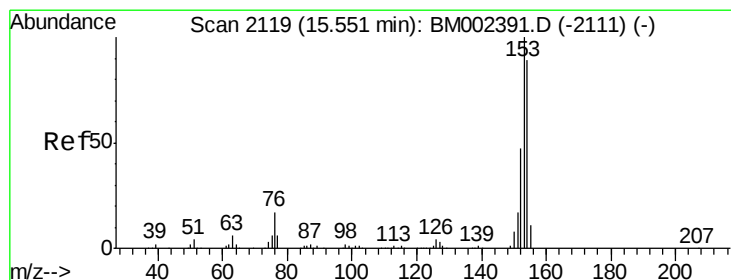
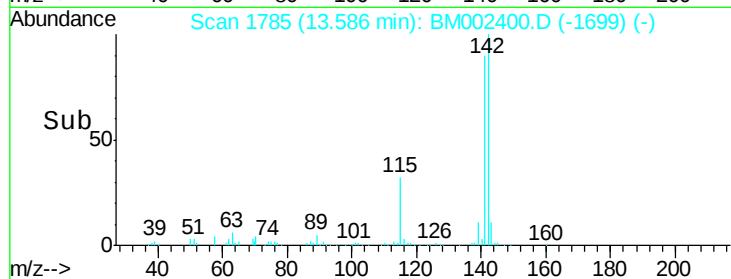
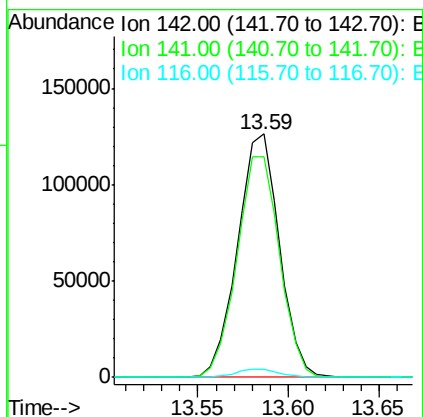
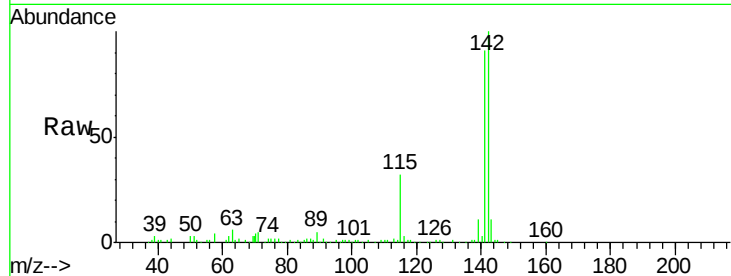




#5
1-Methylnaphthalene
Concen: 4.73 ng/ul
RT: 13.59 min Scan# 1785
Delta R.T. 0.01 min
Lab File: BM002400.D
Acq: 13 Aug 2015 16:35

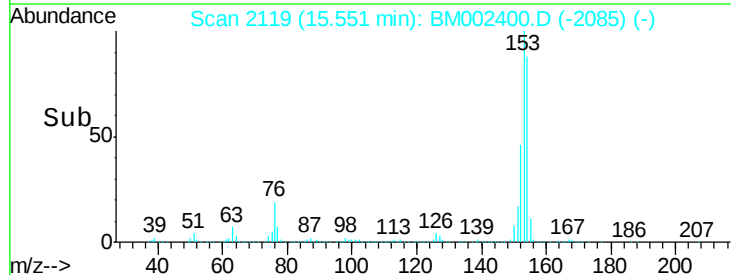
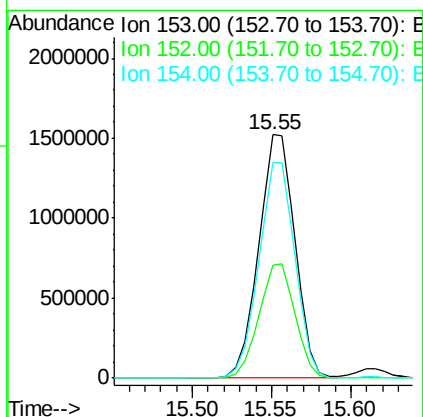
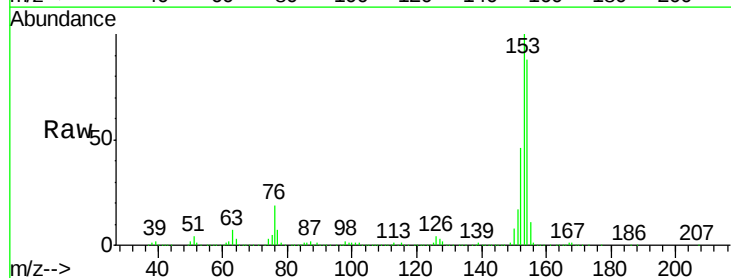
Instrument :
BNA_M
ClientSampleId :
D9DB8MSD

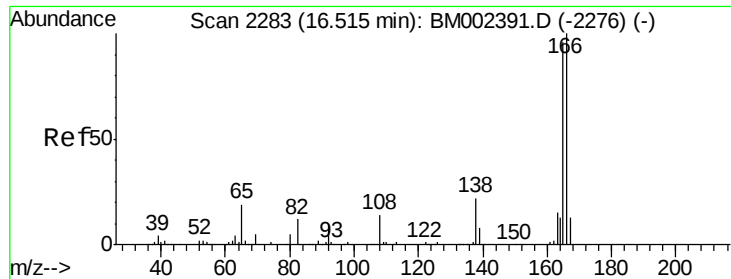
Tgt Ion:142 Resp: 202470
Ion Ratio Lower Upper
142 100
141 90.6 74.5 111.7
116 3.4 3.0 4.4



#9
Acenaphthene
Concen: 60.22 ng/ul
RT: 15.55 min Scan# 2119
Delta R.T. -0.00 min
Lab File: BM002400.D
Acq: 13 Aug 2015 16:35

Tgt Ion:153 Resp: 2421950
Ion Ratio Lower Upper
153 100
152 46.4 36.6 55.0
154 88.4 71.5 107.3





#11

Fluorene

Concen: 29.76 ng/ul

RT: 16.52 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BM002400.D

Acq: 13 Aug 2015 16:35

Instrument :

BNA_M

ClientSampleId :

D9DB8MSD

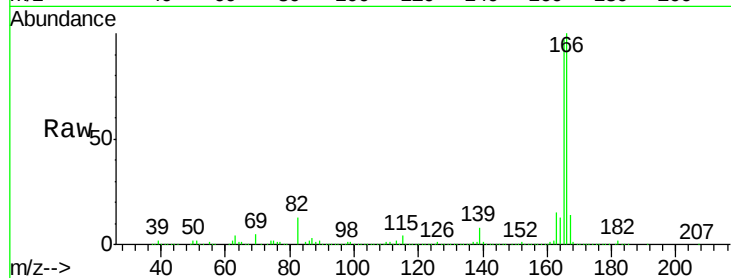
Tgt Ion:166 Resp: 1347935

Ion Ratio Lower Upper

166 100

165 97.2 77.5 116.3

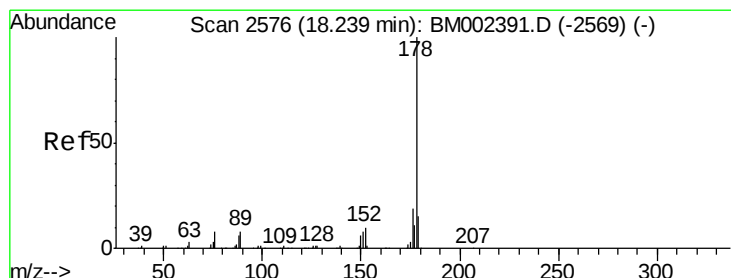
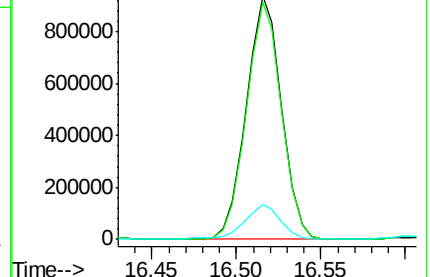
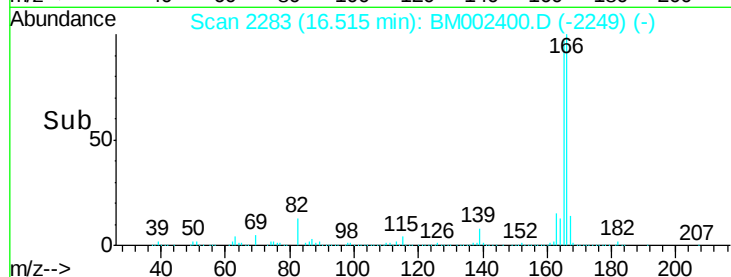
167 14.1 10.4 15.6



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

Concen: 175.86 ng/ul

RT: 18.26 min Scan# 2579

Delta R.T. 0.02 min

Lab File: BM002400.D

Acq: 13 Aug 2015 16:35

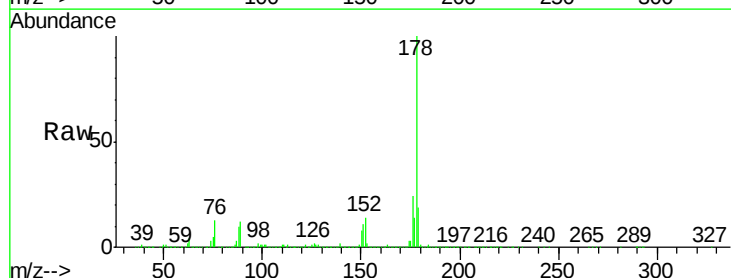
Tgt Ion:178 Resp:13845417

Ion Ratio Lower Upper

178 100

179 19.2 12.3 18.5#

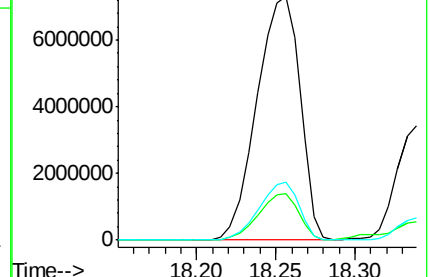
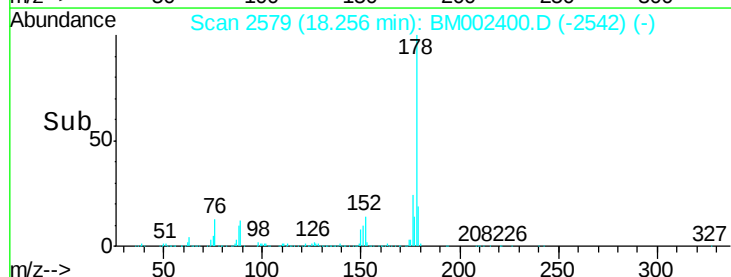
176 24.1 15.3 22.9#

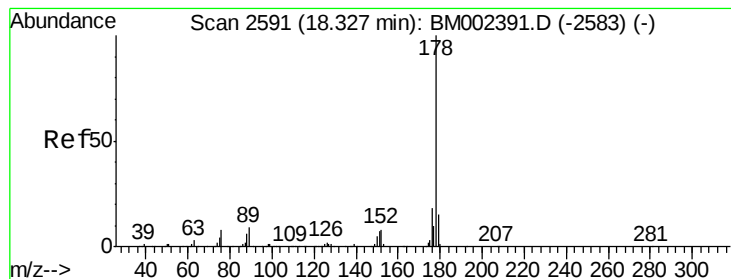


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 62.24 ng/ul

RT: 18.34 min Scan# 2593

Delta R.T. 0.01 min

Lab File: BM002400.D

Acq: 13 Aug 2015 16:35

Instrument :

BNA_M

ClientSampleId :

D9DB8MSD

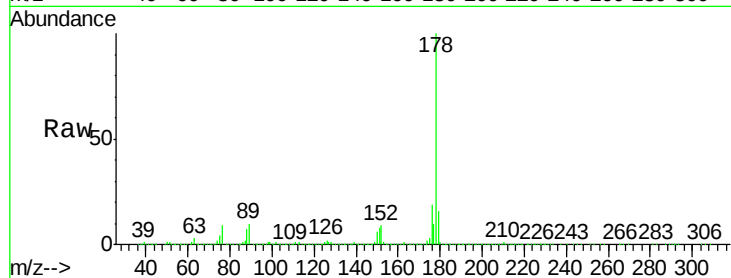
Tgt Ion:178 Resp: 5061015

Ion Ratio Lower Upper

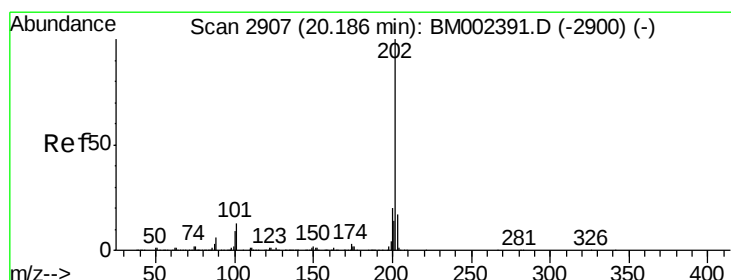
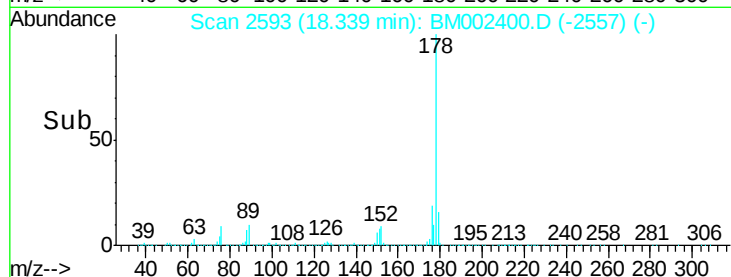
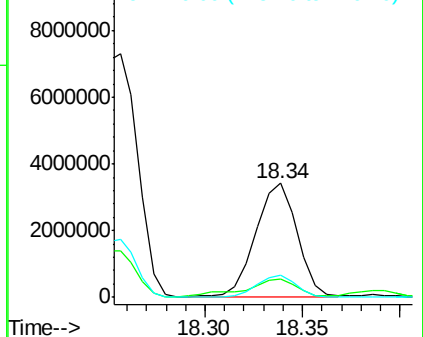
178 100

179 16.0 12.3 18.5

176 19.1 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



#16

Fluoranthene

Concen: 146.88 ng/ul

RT: 20.20 min Scan# 2910

Delta R.T. 0.02 min

Lab File: BM002400.D

Acq: 13 Aug 2015 16:35

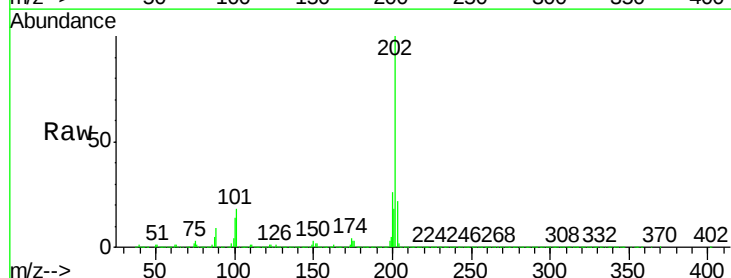
Tgt Ion:202 Resp:12803929

Ion Ratio Lower Upper

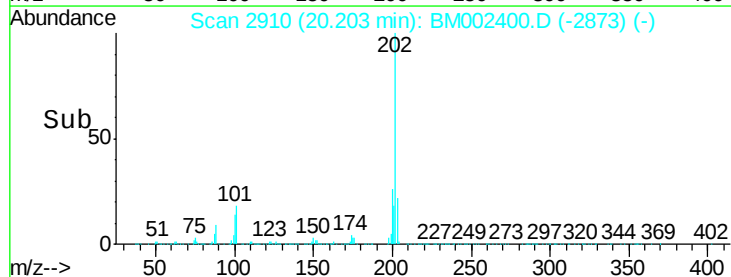
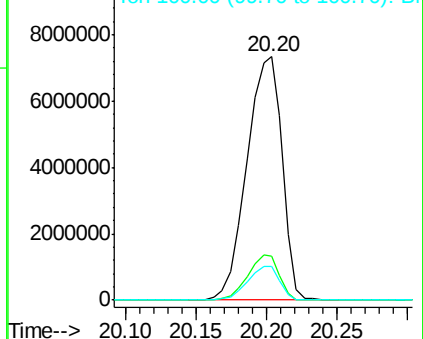
202 100

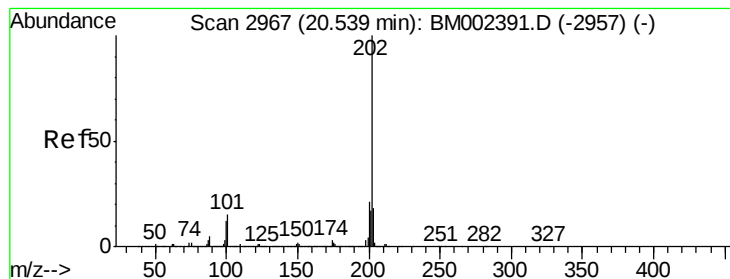
101 17.9 10.6 15.8#

100 13.8 8.2 12.4#



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: 254.68 ng/ul

RT: 20.56 min Scan# 2970

Delta R.T. 0.02 min

Lab File: BM002400.D

Acq: 13 Aug 2015 16:35

Instrument :

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ClientSampleId :

D9DB8MSD

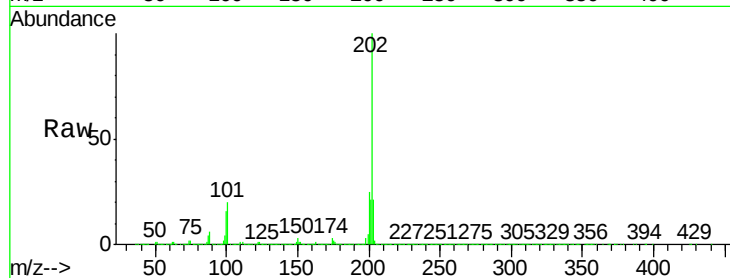
Tgt Ion:202 Resp:10839100

Ion Ratio Lower Upper

202 100

101 20.0 13.0 19.6#

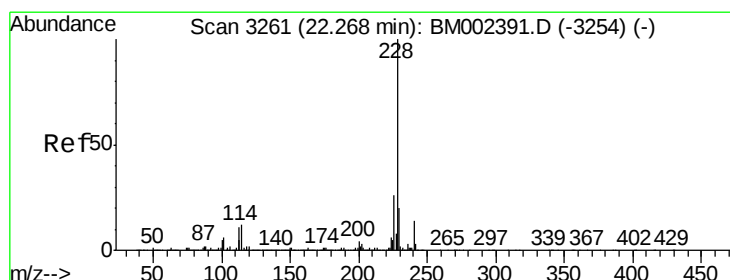
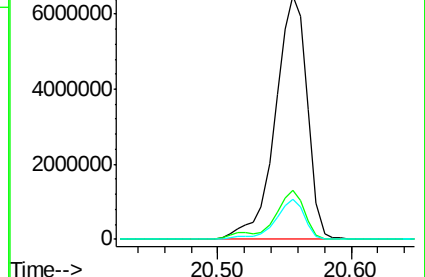
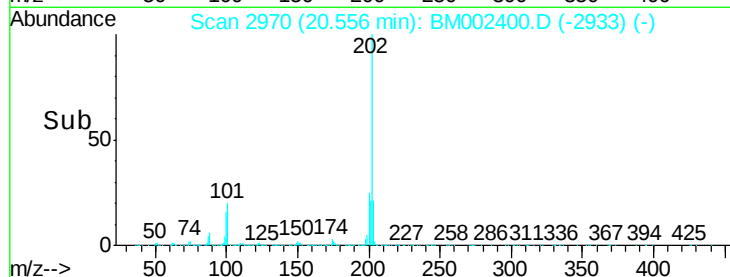
100 16.4 11.0 16.4



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: 98.29 ng/ul

RT: 22.28 min Scan# 3263

Delta R.T. 0.01 min

Lab File: BM002400.D

Acq: 13 Aug 2015 16:35

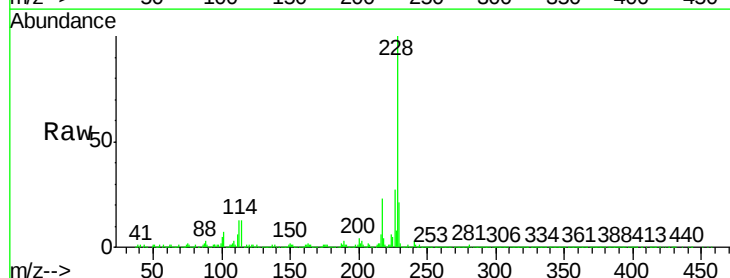
Tgt Ion:228 Resp: 3949915

Ion Ratio Lower Upper

228 100

229 21.1 15.7 23.5

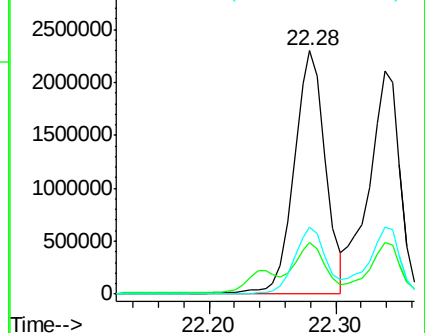
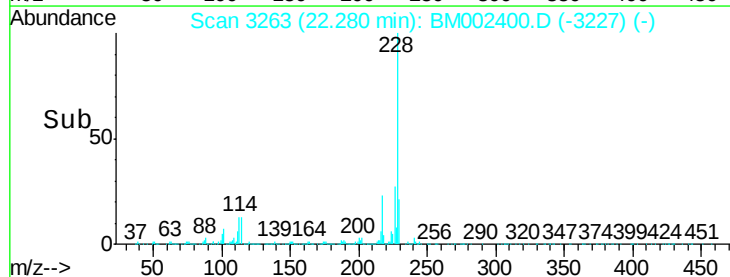
226 27.4 21.4 32.0

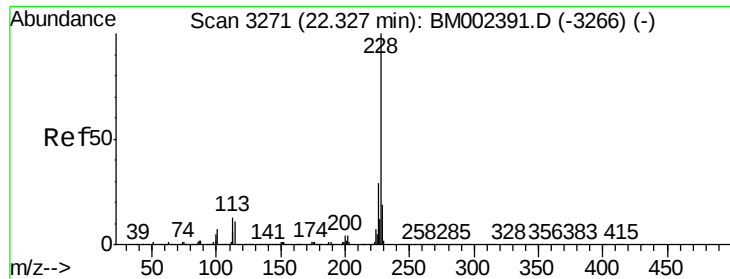


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 94.28 ng/ul

RT: 22.34 min Scan# 3273

Delta R.T. 0.01 min

Lab File: BM002400.D

Acq: 13 Aug 2015 16:35

Instrument :

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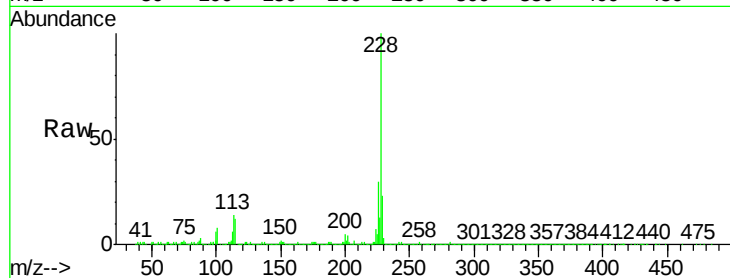
Tgt Ion:228 Resp: 3590417

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

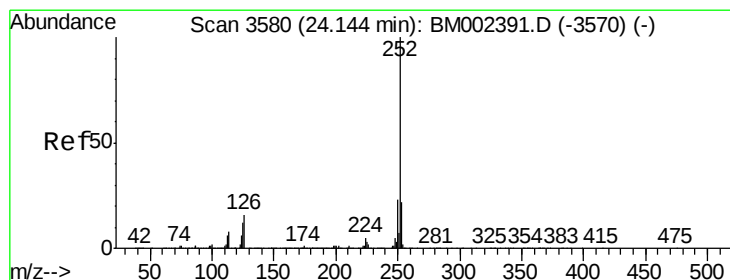
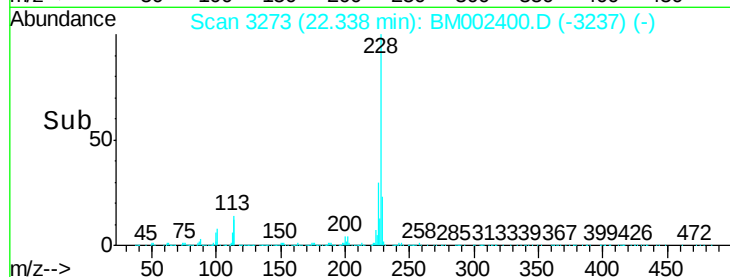
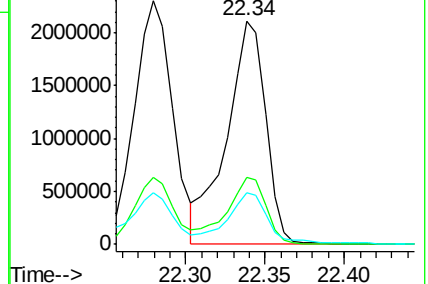
229 23.1 15.5 23.3



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: 120.51 ng/ul

RT: 24.17 min Scan# 3585

Delta R.T. 0.03 min

Lab File: BM002400.D

Acq: 13 Aug 2015 16:35

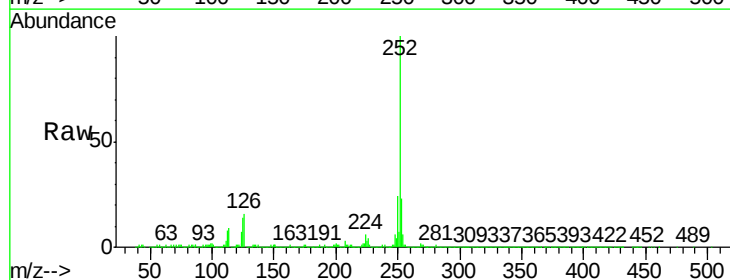
Tgt Ion:252 Resp: 5079205

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

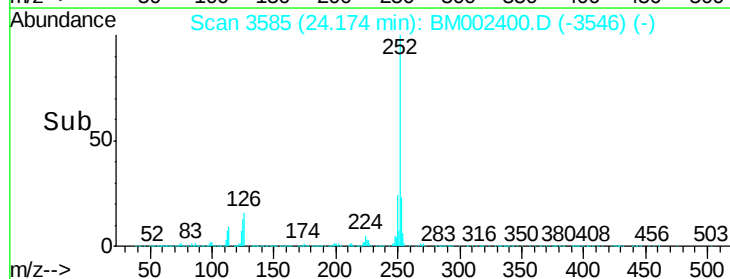
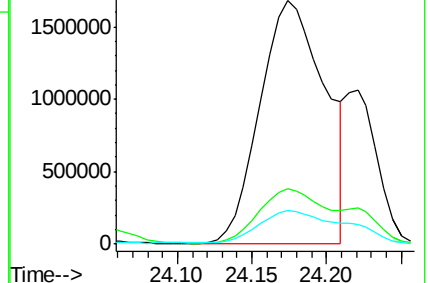
125 13.7 10.3 15.5

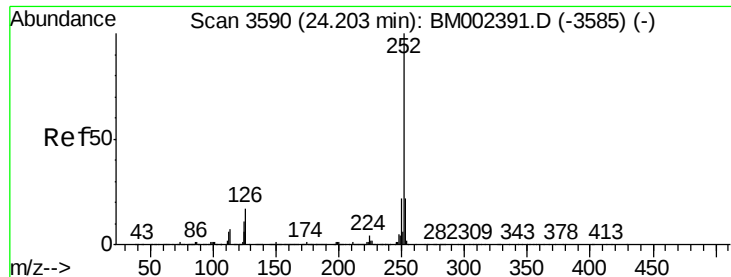


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 14.96 ng/ul

RT: 24.38 min Scan# 3620

Delta R.T. 0.18 min

Lab File: BM002400.D

Acq: 13 Aug 2015 16:35

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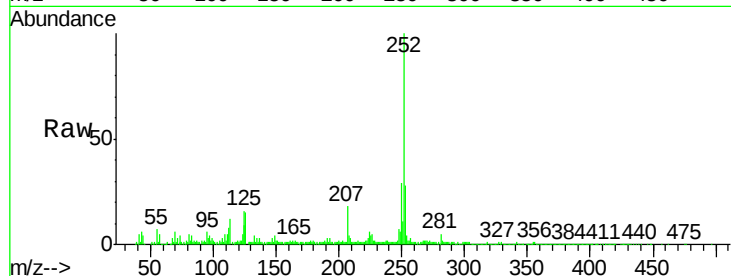
Tgt Ion:252 Resp: 605597

Ion Ratio Lower Upper

252 100

253 28.1 17.3 25.9#

125 16.2 10.2 15.4#

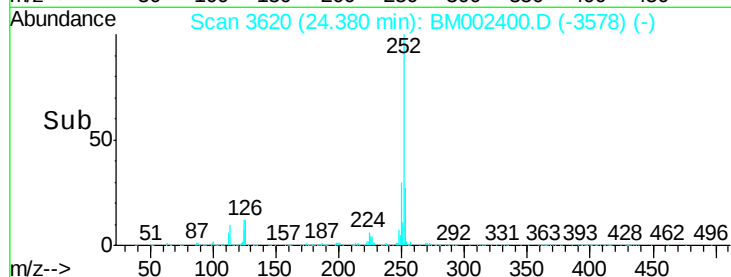


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



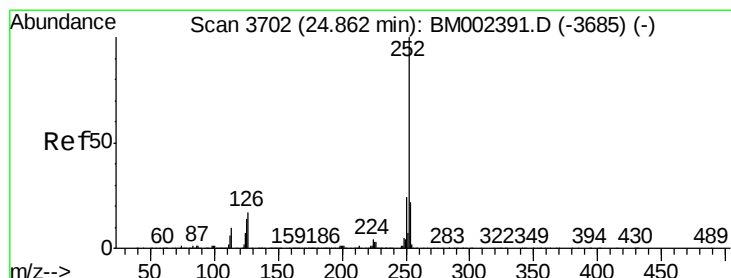
Abundance

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

Time-->



#26

Benzo(a)pyrene

Concen: 81.49 ng/ul

RT: 24.89 min Scan# 3707

Delta R.T. 0.03 min

Lab File: BM002400.D

Acq: 13 Aug 2015 16:35

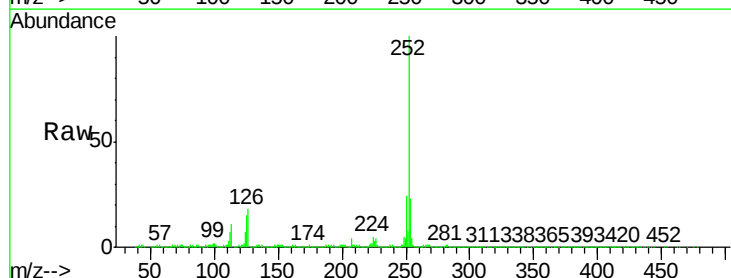
Tgt Ion:252 Resp: 3286205

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 14.5 11.0 16.6

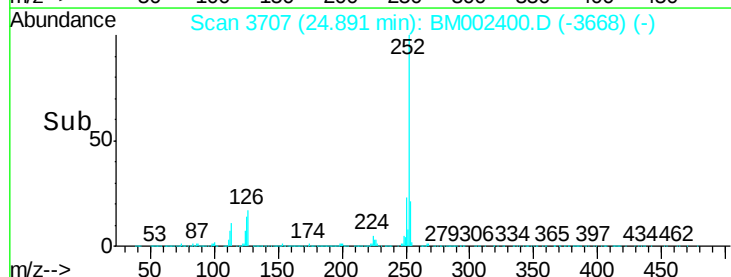


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



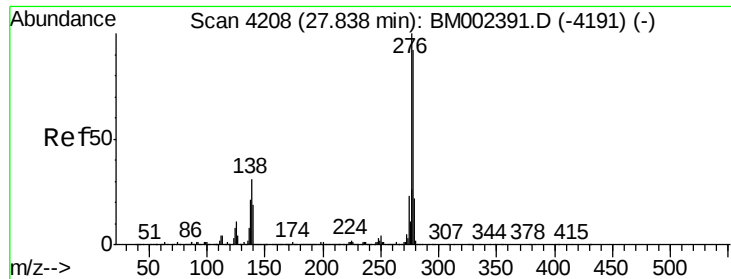
Abundance

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

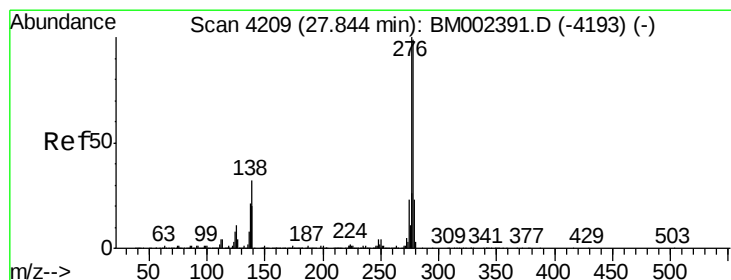
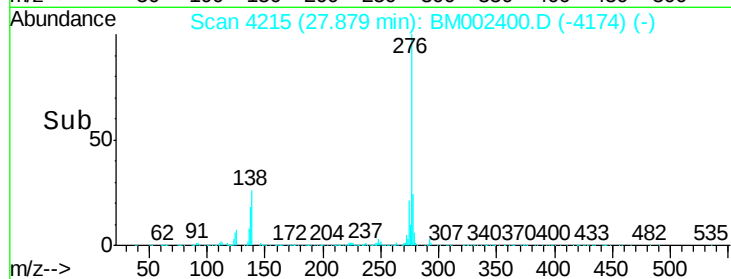
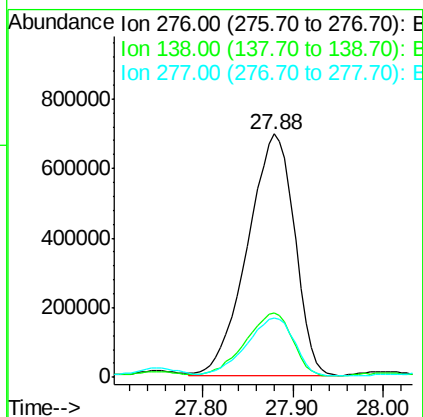
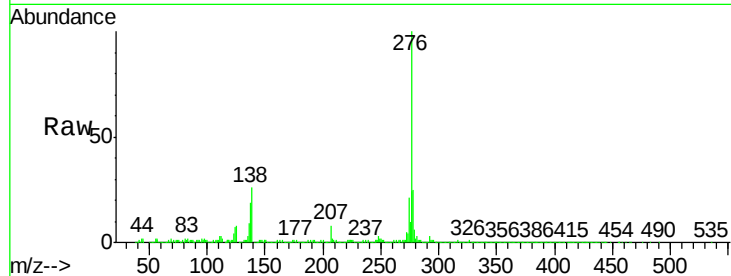
Time-->



#27
 Indeno(1,2,3-cd)pyrene
 Concen: 53.98 ng/ul
 RT: 27.88 min Scan# 4215
 Delta R.T. 0.04 min
 Lab File: BM002400.D
 Acq: 13 Aug 2015 16:35

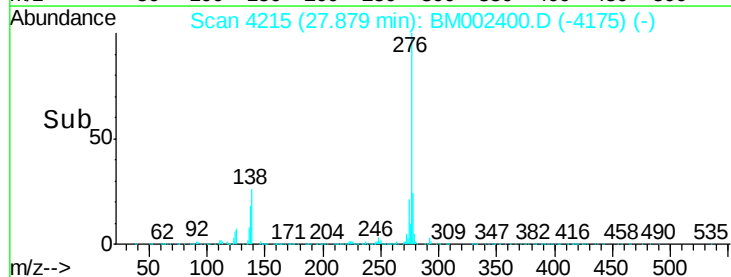
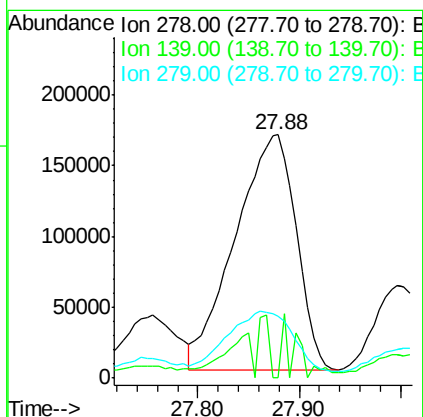
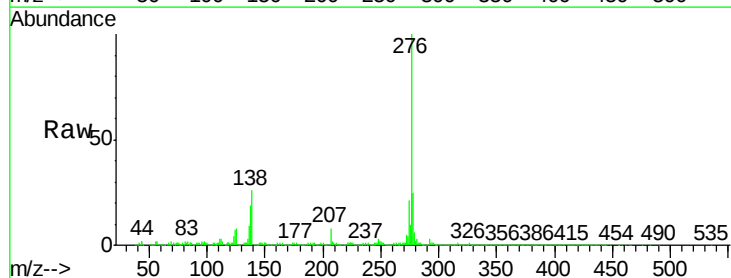
Instrument :
 BNA_M
 ClientSampleId :
 D9DB8MSD

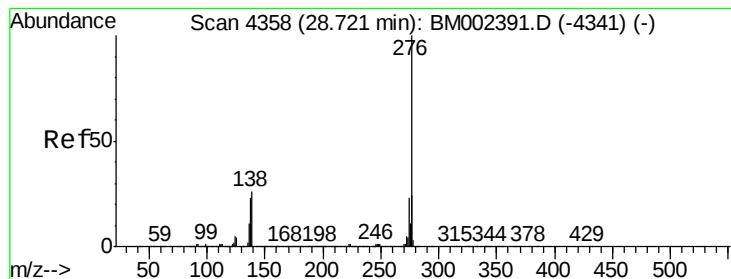
Tgt Ion:276 Resp: 2495549
 Ion Ratio Lower Upper
 276 100
 138 26.3 25.6 38.4
 277 24.4 21.0 31.4



#28
 Dibenzo(a,h)anthracene
 Concen: 17.88 ng/ul
 RT: 27.88 min Scan# 4215
 Delta R.T. 0.04 min
 Lab File: BM002400.D
 Acq: 13 Aug 2015 16:35

Tgt Ion:278 Resp: 700296
 Ion Ratio Lower Upper
 278 100
 139 0.0 16.4 24.6#
 279 25.5 18.8 28.2





#29

Benzo(g,h,i)perylene

Concen: 55.79 ng/ul

RT: 28.77 min Scan# 4367

Delta R.T. 0.05 min

Lab File: BM002400.D

Acq: 13 Aug 2015 16:35

Instrument :

BNA_M

ClientSampleId :

D9DB8MSD

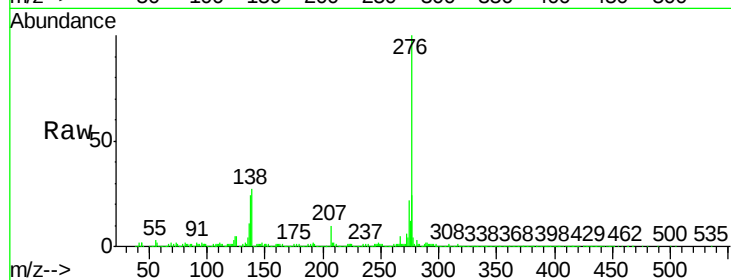
Tgt Ion: 276 Resp: 2175799

Ion Ratio Lower Upper

276 100

138 27.3 20.5 30.7

277 24.4 19.0 28.6



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

