

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112115\
 Data File : BM003248.D
 Acq On : 21 Nov 2015 14:31
 Operator : UM/IZ
 Sample : G4323-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 22 01:18:07 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 01:13:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	12754	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	52118	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	29755	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	3726017	0.40	ng/ul	0.10
18) Chrysene-d12	21.32	240	47420	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	3224981	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	73841	5.42	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	22707	0.32	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	36572	0.00	ng/ul	0.00

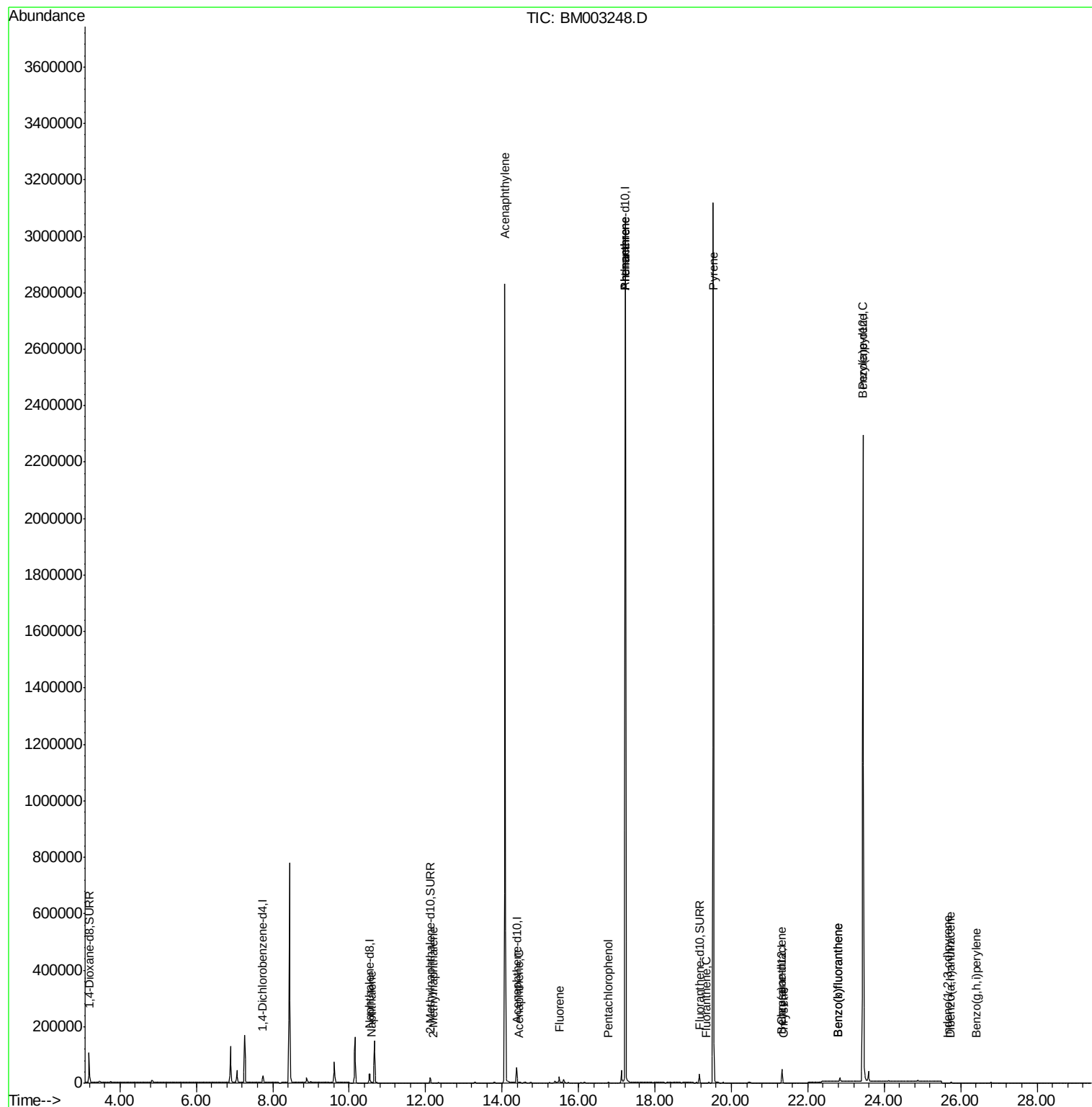
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.57	128	4622	0.03	ng/ul#	89
7) 2-Methylnaphthalene	12.19	142	392	0.00	ng/ul#	100
9) Acenaphthylene	14.07	152	573	0.00	ng/ul#	1
10) Acenaphthene	14.45	153	287	0.00	ng/ul#	78
11) Fluorene	15.49	166	304	0.00	ng/ul#	1
13) Pentachlorophenol	16.78	266	560	0.00	ng/ul	99
14) Phenanthrene	17.23	178	1567	0.00	ng/ul#	1
15) Anthracene	17.23	178	1518	0.00	ng/ul#	1
17) Fluoranthene	19.35	202	103	0.00	ng/ul#	1
19) Pyrene	19.53	202	6071	0.04	ng/ul#	1
20) Benzo(a)anthracene	21.31	228	436	0.00	ng/ul#	17
21) Chrysene	21.36	228	278	0.00	ng/ul#	32
23) Benzo(b)fluoranthene	22.78	252	23	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.78	252	23	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.44	252	12382	0.00	ng/ul#	67
26) Indeno(1,2,3-cd)pyrene	25.67	276	8	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	25.74	278	13	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.40	276	27	0.00	ng/ul#	1

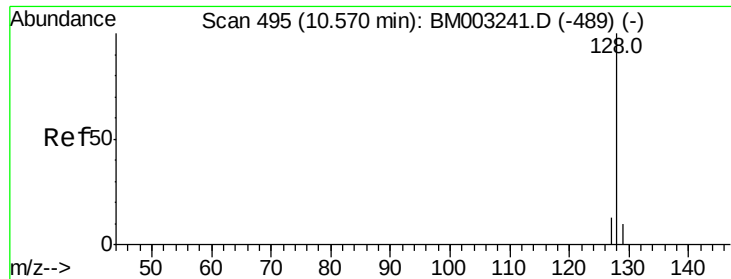
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.03 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. 0.00 min

Lab File: BM003248.D

Acq: 21 Nov 2015 14:31

Instrument :

BNA_M

ClientSampleId :

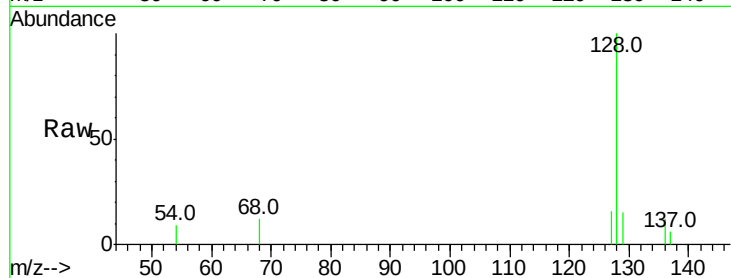
Tot Ion:128 Resp: 4622

Ion Ratio Lower Upper

128 100

129 15.4 9.0 13.6#

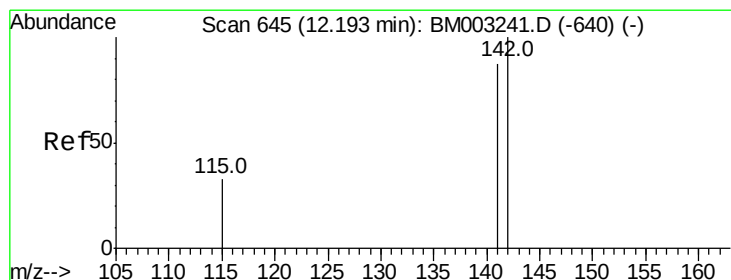
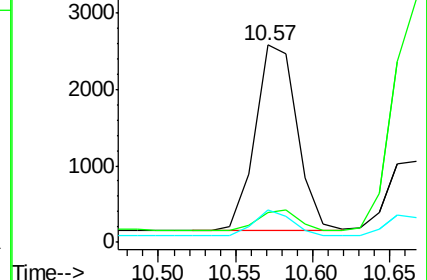
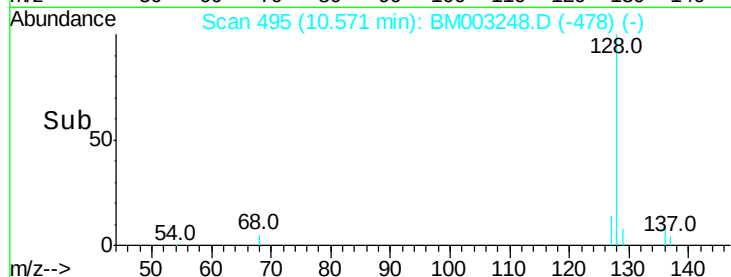
127 16.5 9.6 14.4#



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



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003248.D

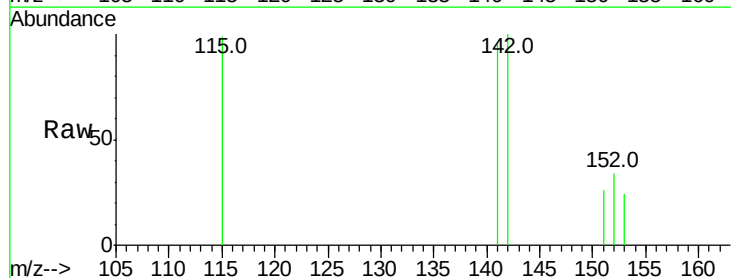
Acq: 21 Nov 2015 14:31

Tgt Ion:142 Resp: 392

Ion Ratio Lower Upper

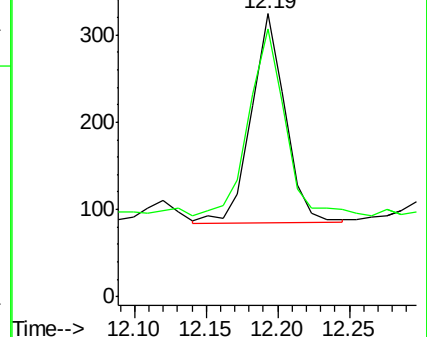
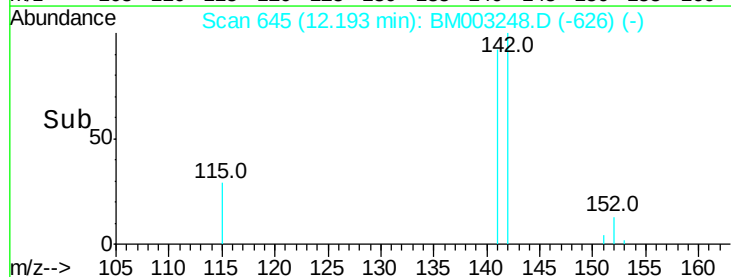
142 100

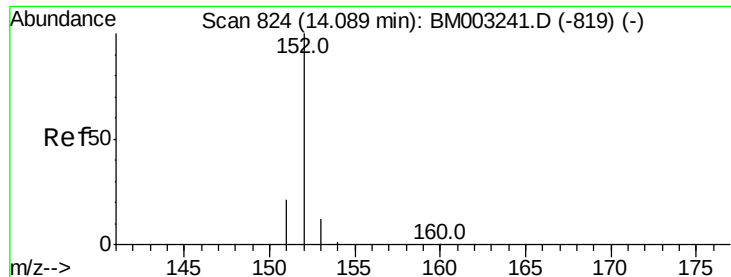
141 96.9 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.07 min Scan# 823

Delta R.T. -0.02 min

Lab File: BM003248.D

Acq: 21 Nov 2015 14:31

Instrument :

BNA_M

ClientSampled :

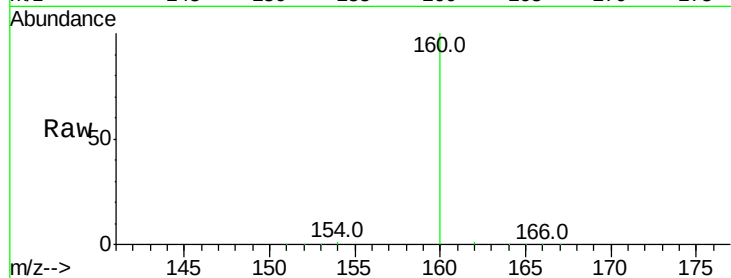
Tot Ion:152 Resp: 573

Ion Ratio Lower Upper

152 100

151 55.5 17.6 26.4#

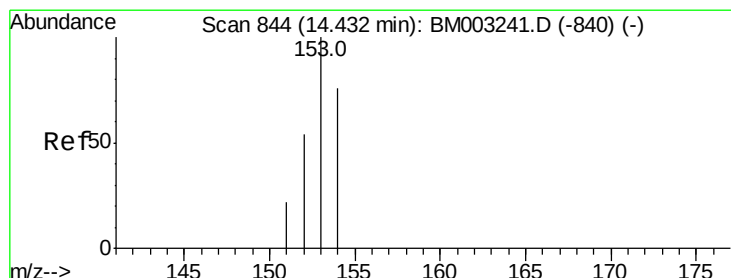
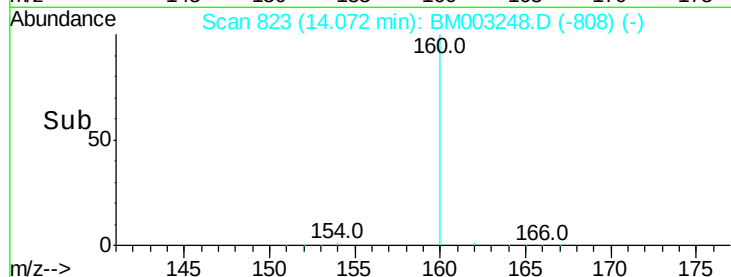
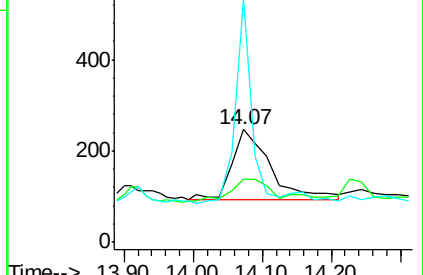
153 215.8 9.7 14.5#



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



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.02 min

Lab File: BM003248.D

Acq: 21 Nov 2015 14:31

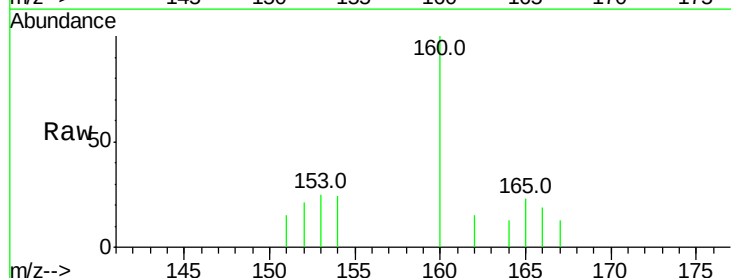
Tgt Ion:153 Resp: 287

Ion Ratio Lower Upper

153 100

152 83.8 33.9 50.9#

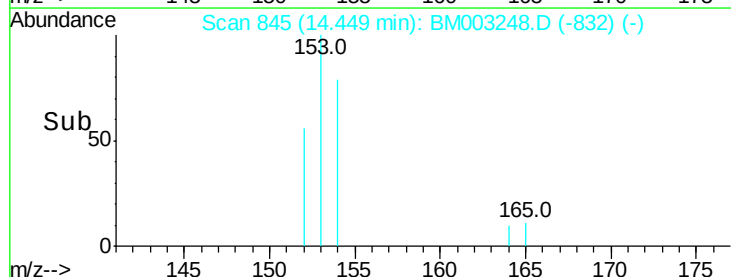
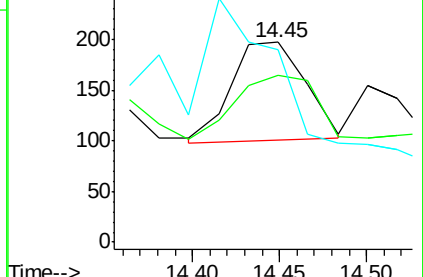
154 96.4 80.6 121.0

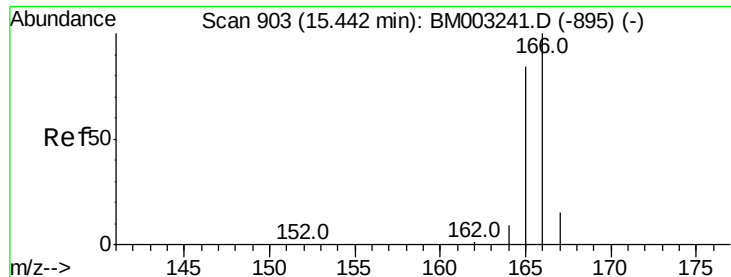


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

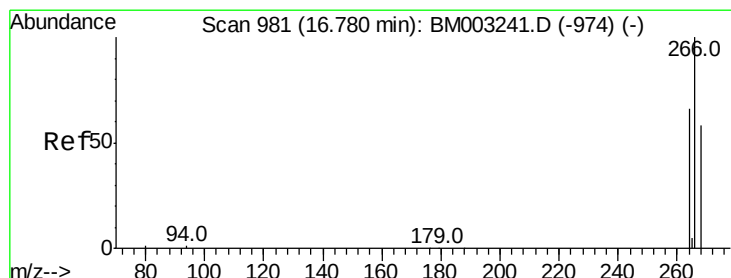
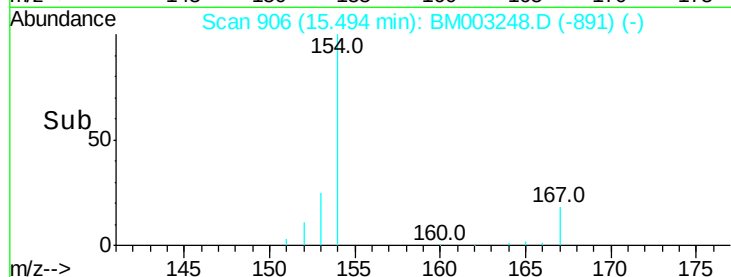
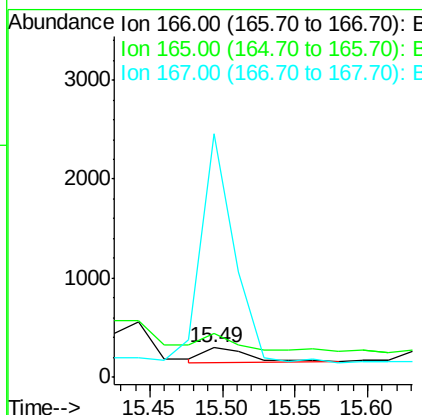
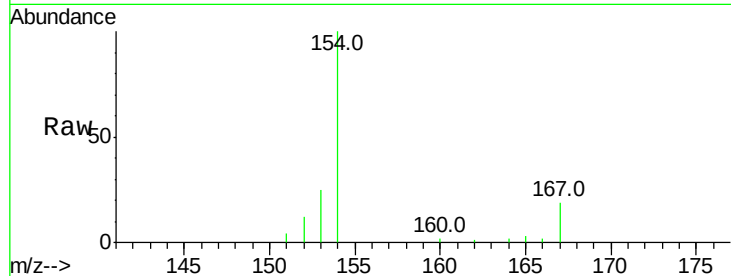




#11
Fluorene
Concen: 0.00 ng/ul
RT: 15.49 min Scan# 906
Delta R.T. 0.05 min
Lab File: BM003248.D
Acq: 21 Nov 2015 14:31

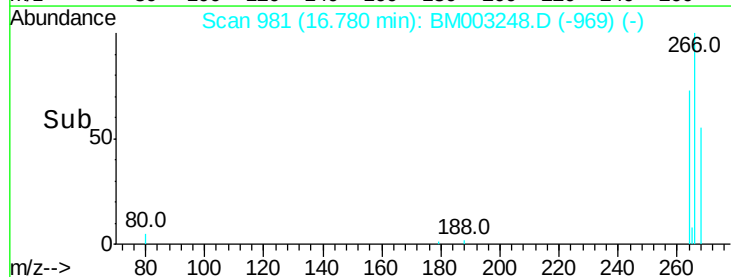
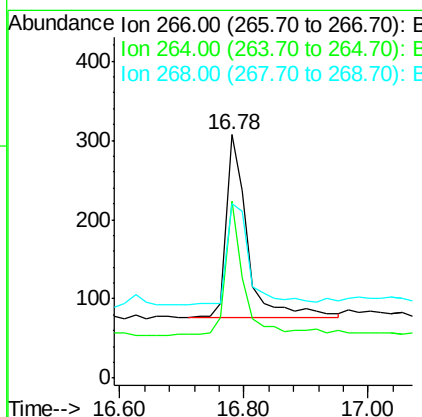
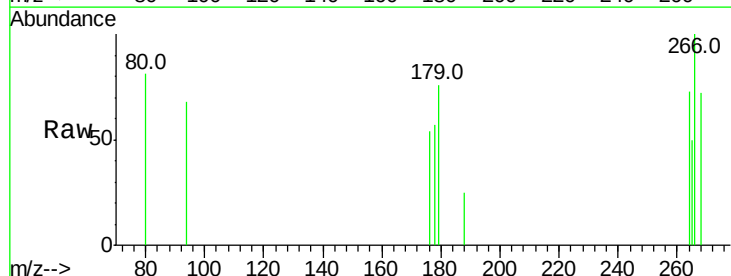
Instrument :
BNA_M
ClientSampleId :

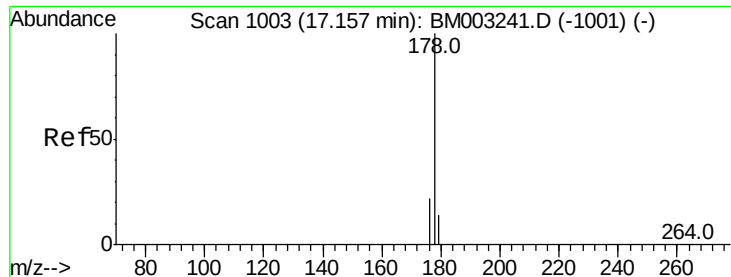
Tot Ion:166 Resp: 304
Ion Ratio Lower Upper
166 100
165 147.7 69.6 104.4#
167 819.0 11.9 17.9#



#13
Pentachlorophenol
Concen: 0.00 ng/ul
RT: 16.78 min Scan# 981
Delta R.T. 0.00 min
Lab File: BM003248.D
Acq: 21 Nov 2015 14:31

Tgt Ion:266 Resp: 560
Ion Ratio Lower Upper
266 100
264 63.9 51.8 77.8
268 58.2 46.8 70.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. 0.07 min

Lab File: BM003248.D

Acq: 21 Nov 2015 14:31

Instrument :

BNA_M

ClientSampleId :

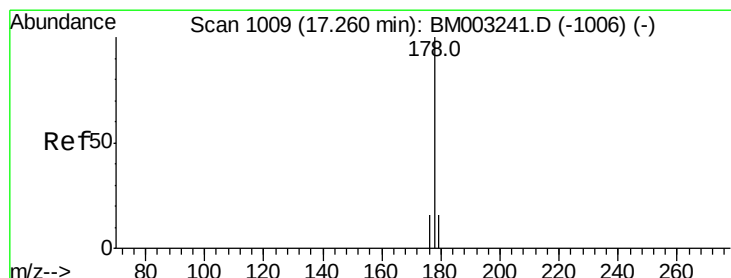
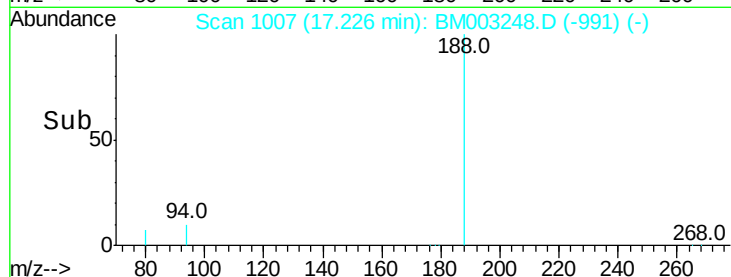
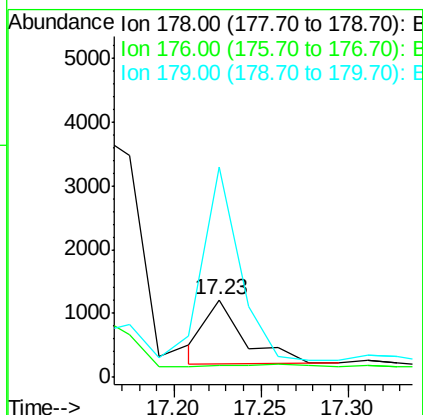
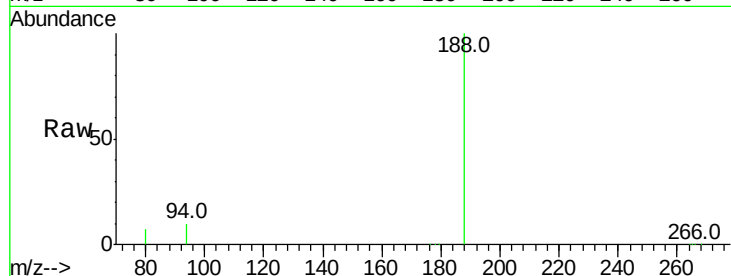
Tot Ion:178 Resp: 1567

Ion Ratio Lower Upper

178 100

176 14.6 13.0 19.4

179 270.7 14.2 21.2#



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. -0.03 min

Lab File: BM003248.D

Acq: 21 Nov 2015 14:31

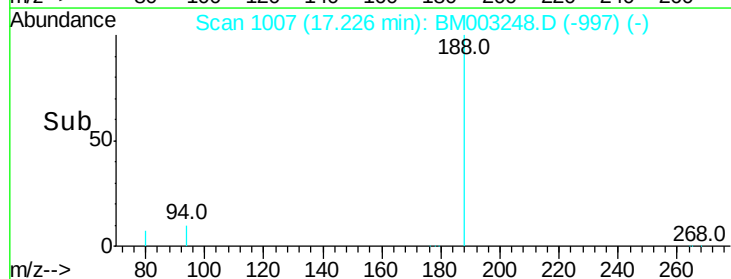
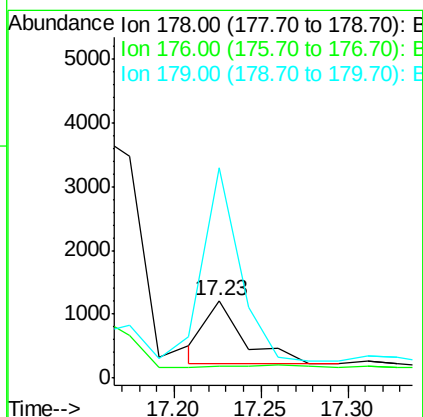
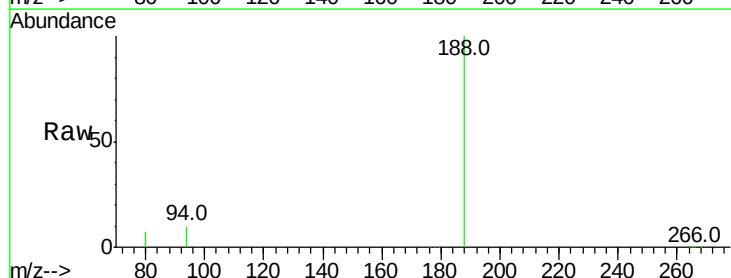
Tgt Ion:178 Resp: 1518

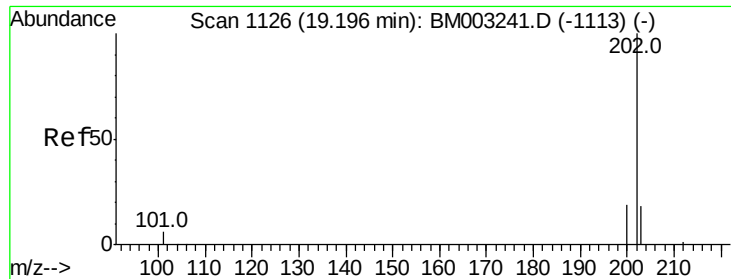
Ion Ratio Lower Upper

178 100

176 14.6 14.0 21.0

179 270.7 12.9 19.3#

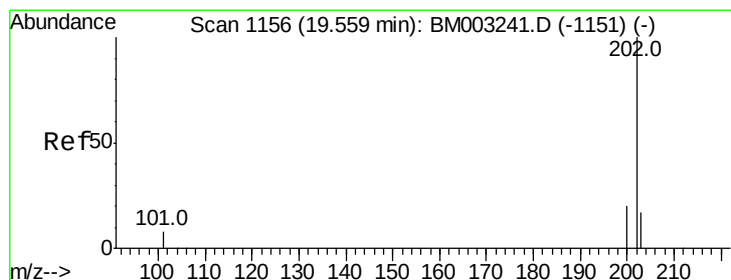
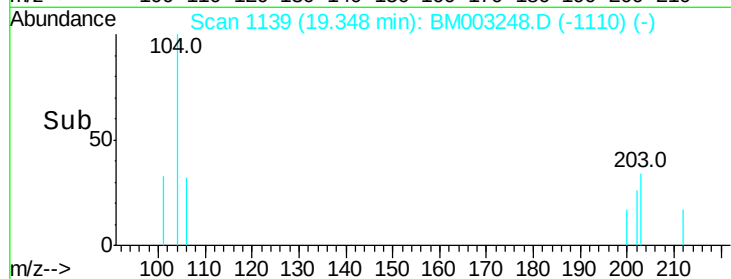
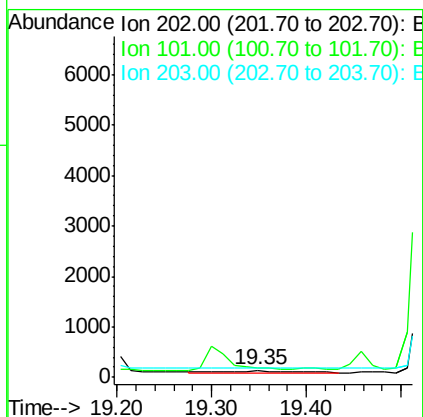
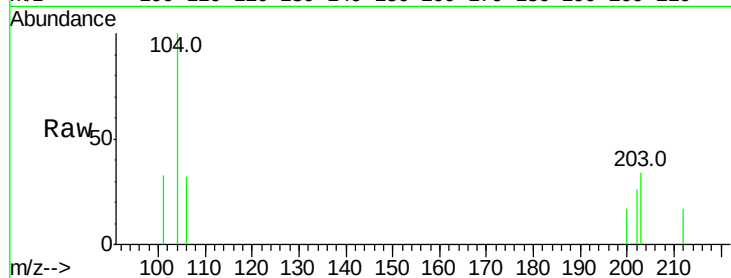




#17
Fluoranthene
Concen: 0.00 ng/ul
RT: 19.35 min Scan# 1139
Delta R.T. 0.15 min
Lab File: BM003248.D
Acq: 21 Nov 2015 14:31

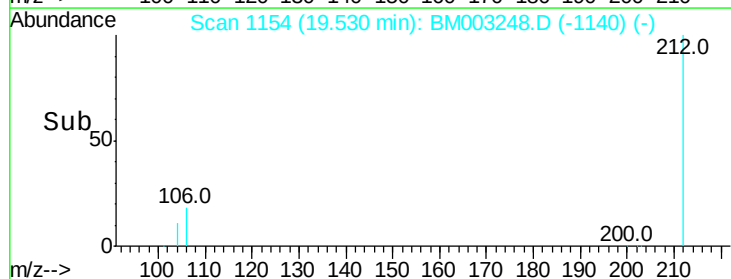
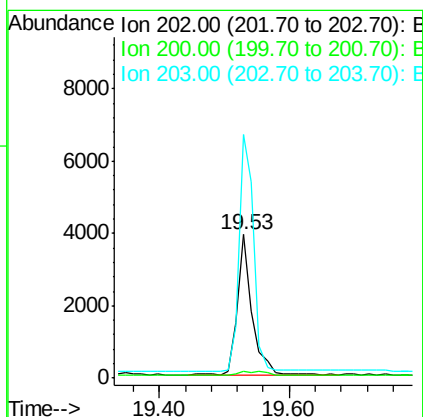
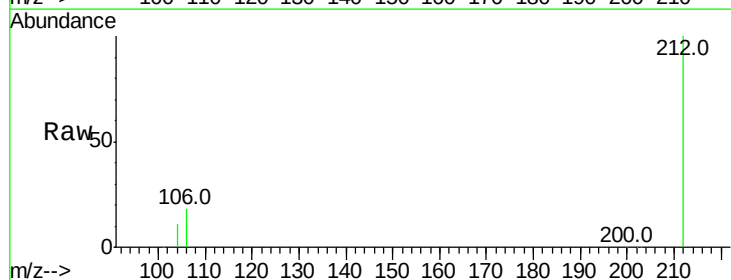
Instrument :
BNA_M
ClientSampleId :

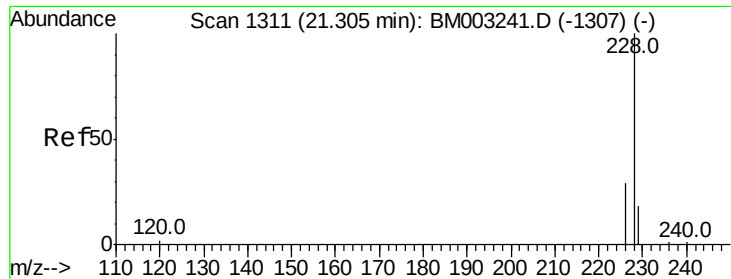
Tot Ion:202 Resp: 103
Ion Ratio Lower Upper
202 100
101 128.7 0.0 29.6#
203 130.1 0.0 36.3#



#19
Pyrene
Concen: 0.04 ng/ul
RT: 19.53 min Scan# 1154
Delta R.T. -0.03 min
Lab File: BM003248.D
Acq: 21 Nov 2015 14:31

Tgt Ion:202 Resp: 6071
Ion Ratio Lower Upper
202 100
200 4.4 17.8 26.8#
203 169.8 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BM003248.D

Acq: 21 Nov 2015 14:31

Instrument :

BNA_M

ClientSampleId :

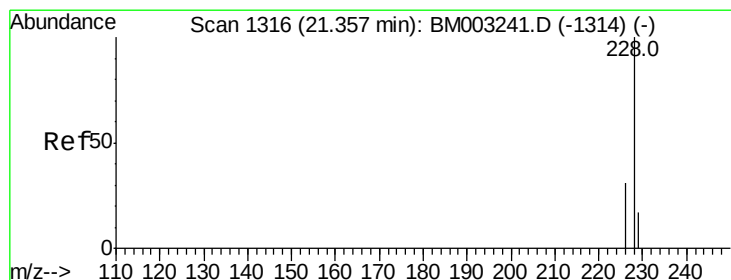
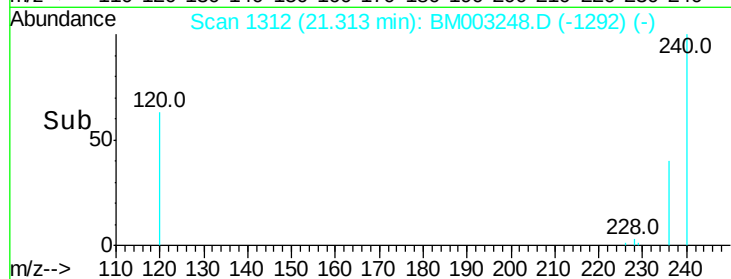
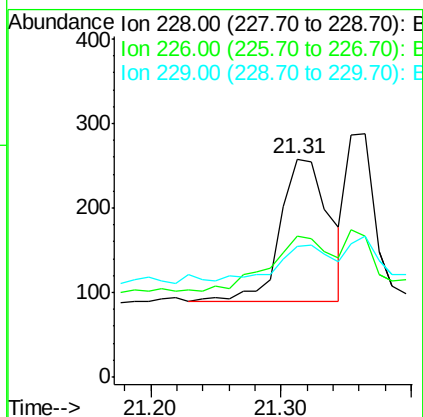
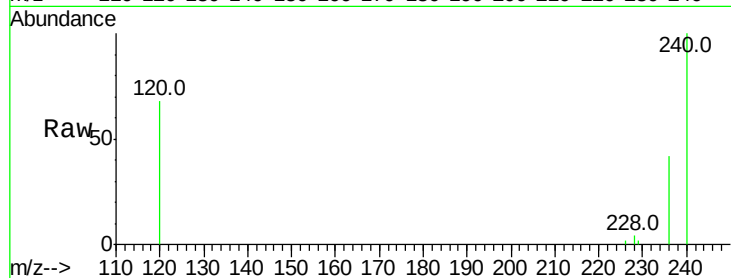
Tot Ion:228 Resp: 436

Ion Ratio Lower Upper

228 100

226 64.7 18.8 28.2#

229 60.1 17.1 25.7#



#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BM003248.D

Acq: 21 Nov 2015 14:31

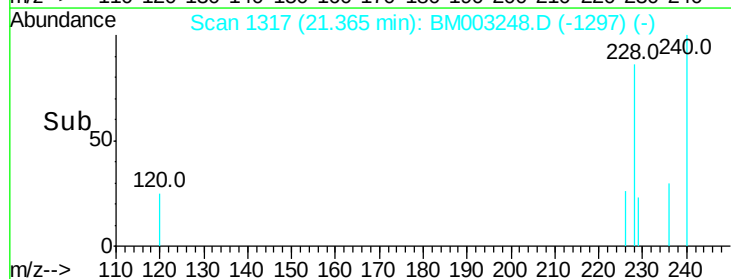
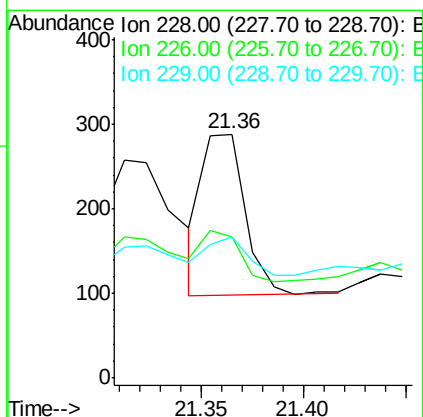
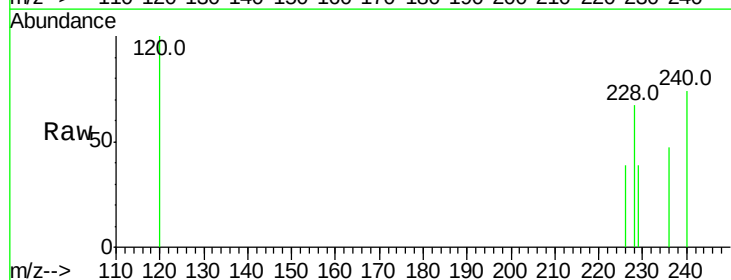
Tgt Ion:228 Resp: 278

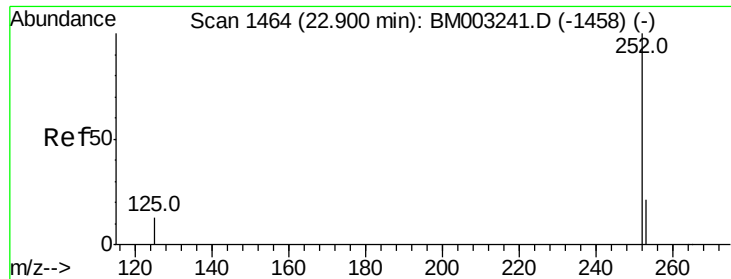
Ion Ratio Lower Upper

228 100

226 57.6 21.2 31.8#

229 57.6 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.78 min Scan# 1453

Delta R.T. -0.12 min

Lab File: BM003248.D

Acq: 21 Nov 2015 14:31

Instrument :

BNA_M

ClientSampleId :

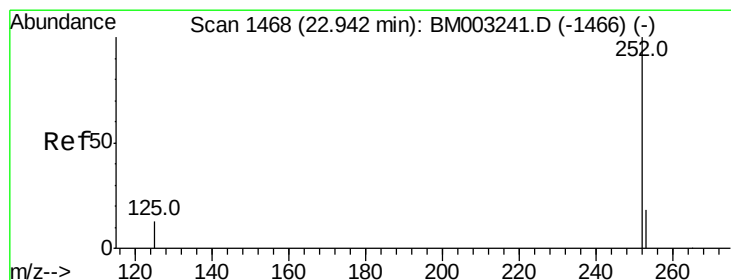
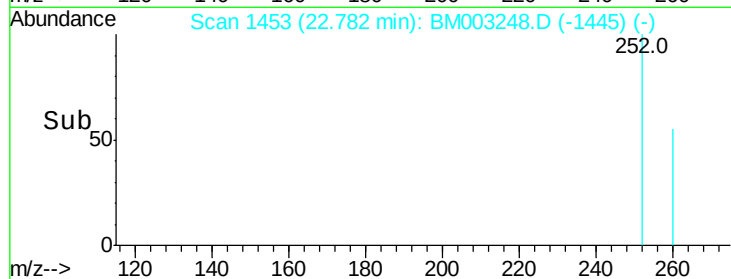
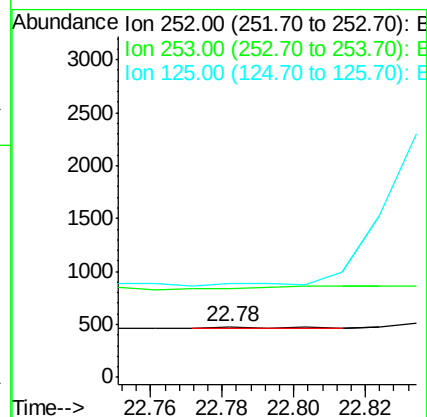
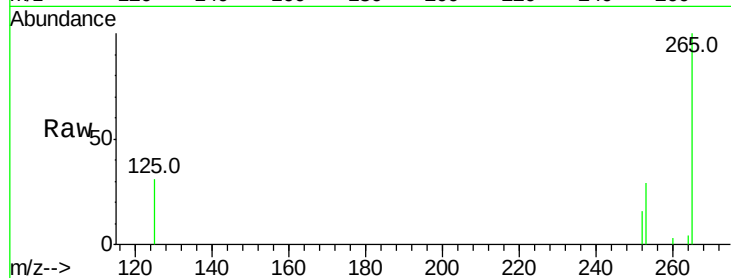
Tot Ion:252 Resp: 23

Ion Ratio Lower Upper

252 100

253 175.1 0.0 45.4#

125 186.6 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.78 min Scan# 1453

Delta R.T. -0.16 min

Lab File: BM003248.D

Acq: 21 Nov 2015 14:31

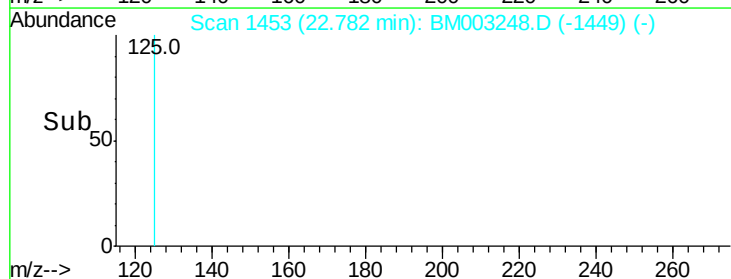
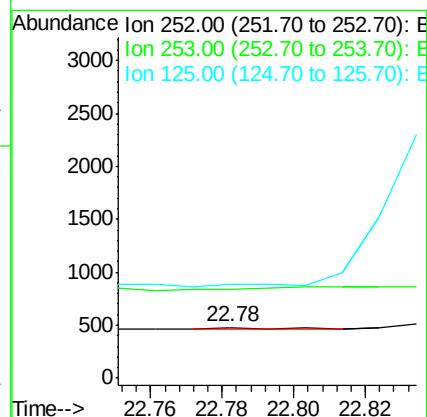
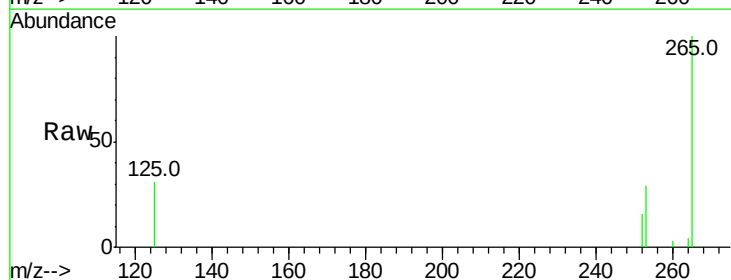
Tgt Ion:252 Resp: 23

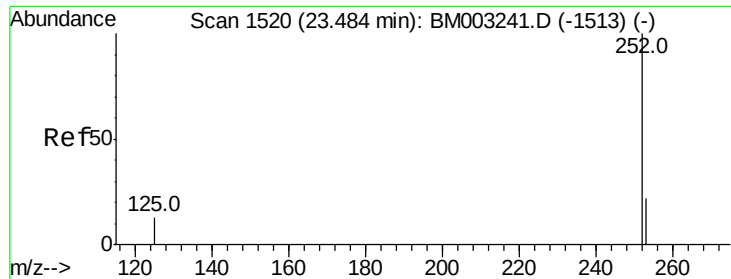
Ion Ratio Lower Upper

252 100

253 175.1 19.8 29.8#

125 186.6 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.44 min Scan# 1516

Delta R.T. -0.04 min

Lab File: BM003248.D

Acq: 21 Nov 2015 14:31

Instrument :

BNA_M

ClientSampleId :

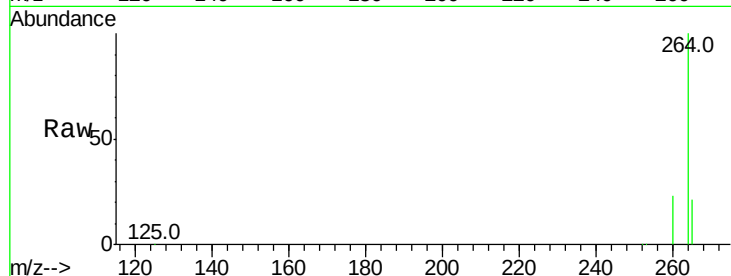
Tot Ion:252 Resp: 12382

Ion Ratio Lower Upper

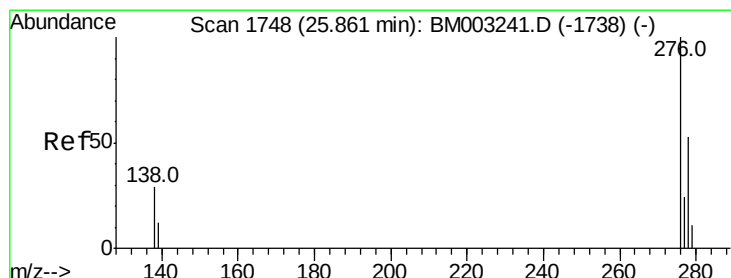
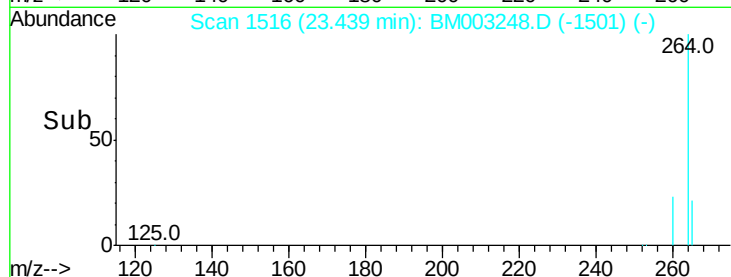
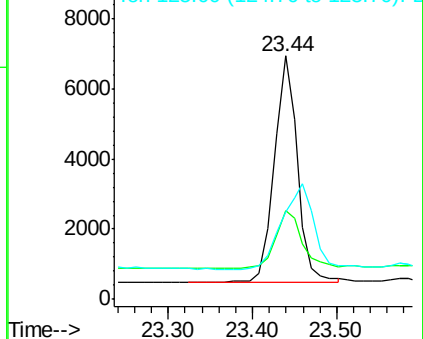
252 100

253 36.5 19.4 29.2#

125 35.8 12.7 19.1#



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.67 min Scan# 1730

Delta R.T. -0.19 min

Lab File: BM003248.D

Acq: 21 Nov 2015 14:31

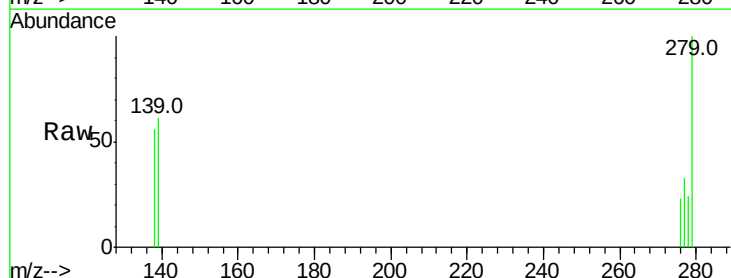
Tgt Ion:276 Resp: 8

Ion Ratio Lower Upper

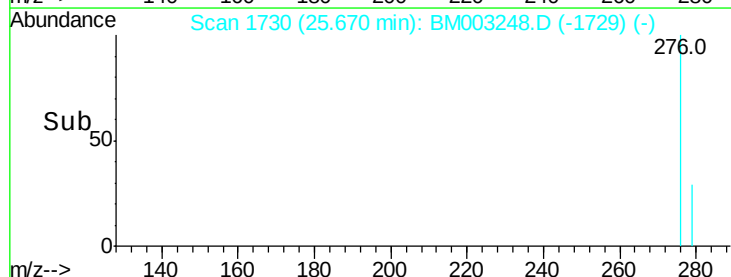
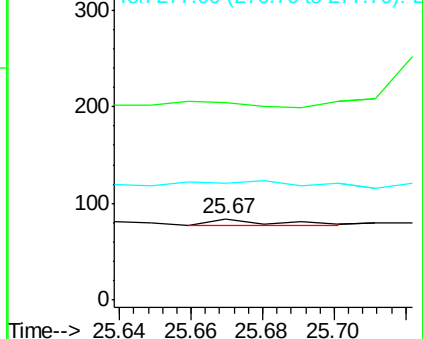
276 100

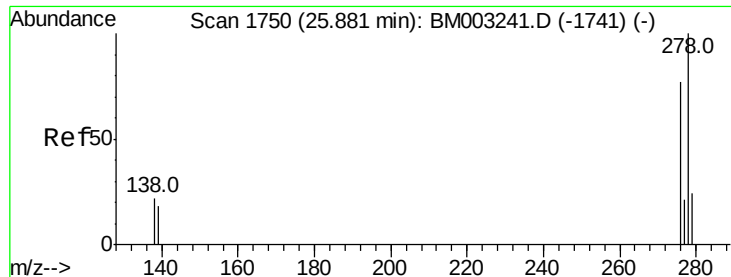
138 0.0 16.3 24.5#

277 237.5 19.8 29.8#



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





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.74 min Scan# 1737

Delta R.T. -0.14 min

Lab File: BM003248.D

Acq: 21 Nov 2015 14:31

Instrument :

BNA_M

ClientSampleId :

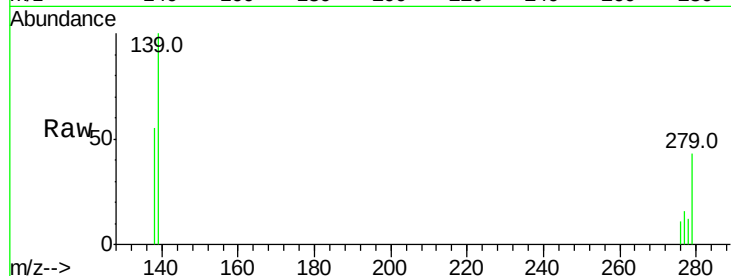
Tot Ion:278 Resp: 13

Ion Ratio Lower Upper

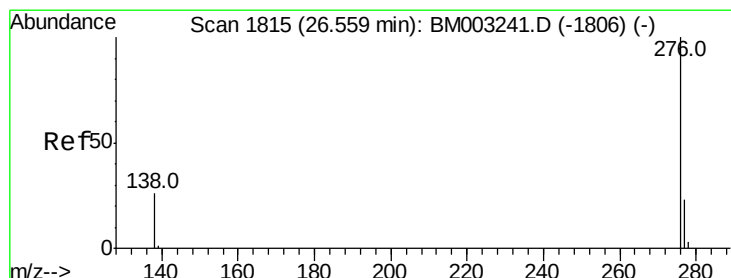
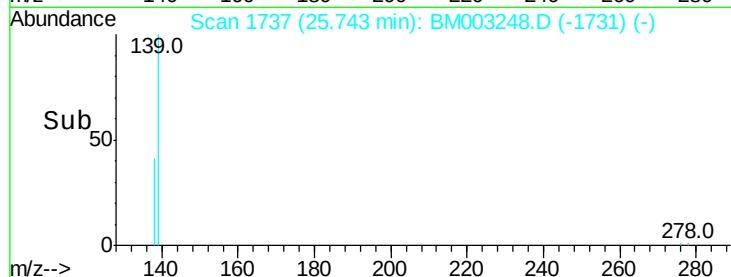
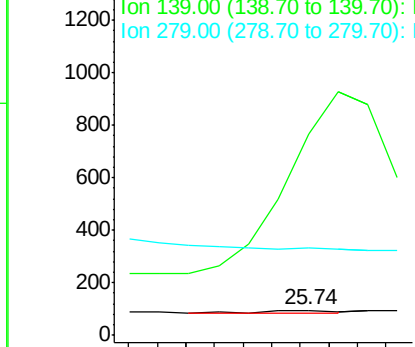
278 100

139 813.8 16.4 24.6#

279 352.1 20.2 30.2#



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



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.40 min Scan# 1800

Delta R.T. -0.16 min

Lab File: BM003248.D

Acq: 21 Nov 2015 14:31

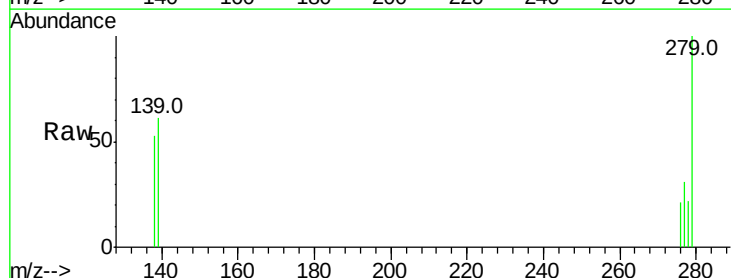
Tgt Ion:276 Resp: 27

Ion Ratio Lower Upper

276 100

277 145.9 18.9 28.3#

138 248.2 22.5 33.7#



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

