

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002434.D
 Acq On : 15 Aug 2015 20:50
 Operator : UM/IZ
 Sample : G3219-13MSD
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DA4MSD

Quant Time: Aug 17 05:18:18 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 05:12:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	152037	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	715896	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	372164	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	675965	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	435964	20.00	ng/ul	0.01
22) Perylene-d12	24.75	264	544646	20.00	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.16	160	1029607	27.06	ng/ul	0.00
10) Fluorene-d10	16.43	176	672668	25.17	ng/ul	0.00
14) Anthracene-d10	18.26	188	864310	26.51	ng/ul	0.00
18) Pyrene-d10	20.47	212	668712	34.60	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.59	264	265	0.01	ng/ul	-0.14

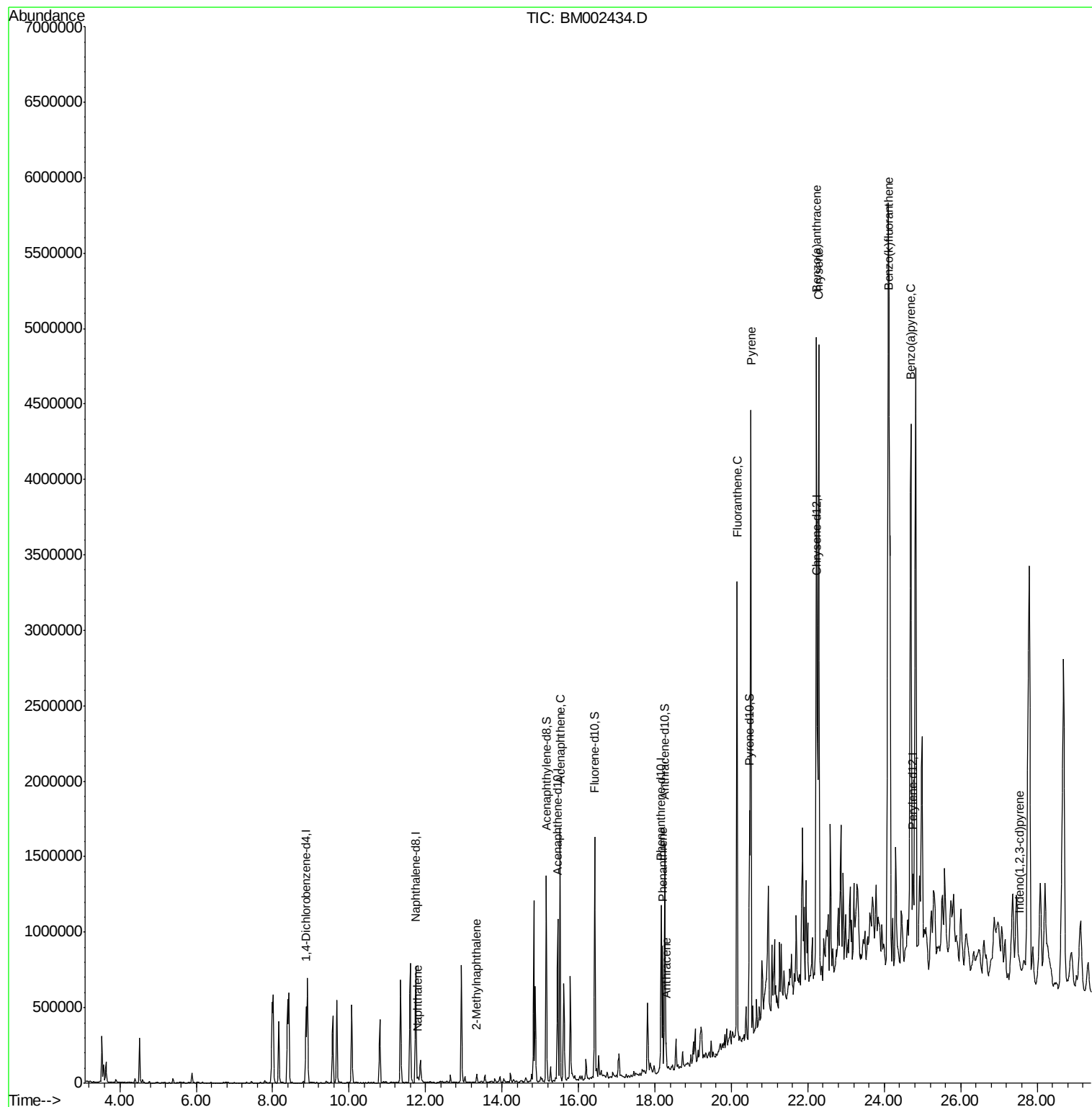
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.79	128	39630	1.08	ng/ul	97
4) 2-Methylnaphthalene	13.33	142	29999	1.10	ng/ul	96
9) Acenaphthene	15.52	153	705841	26.91	ng/ul	100
13) Phenanthrene	18.20	178	508068	13.02	ng/ul	100
15) Anthracene	18.29	178	102051	2.58	ng/ul	99
16) Fluoranthene	20.15	202	1877291	42.48	ng/ul	99
19) Pyrene	20.51	202	2639908	103.36	ng/ul	100
20) Benzo(a)anthracene	22.23	228	2161980	82.93	ng/ul	98
21) Chrysene	22.29	228	2746077	112.62	ng/ul	97
24) Benzo(k)fluoranthene	24.11	252	5737363	183.87	ng/ul	97
26) Benzo(a)pyrene	24.70	252	3213745	102.19	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	27.54	276	40002	1.11	ng/ul#	61

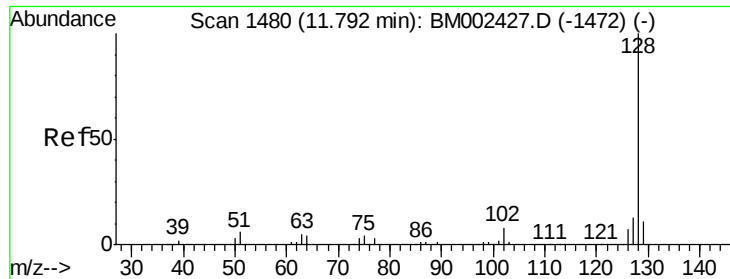
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.08 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. -0.00 min

Lab File: BM002434.D

Acq: 15 Aug 2015 20:50

Instrument :

BNA_M

ClientSampleId :

D9DA4MSD

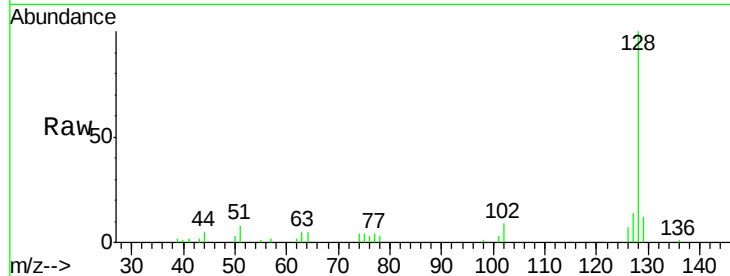
Tot Ion:128 Resp: 39630

Ion Ratio Lower Upper

128 100

129 12.2 8.6 12.8

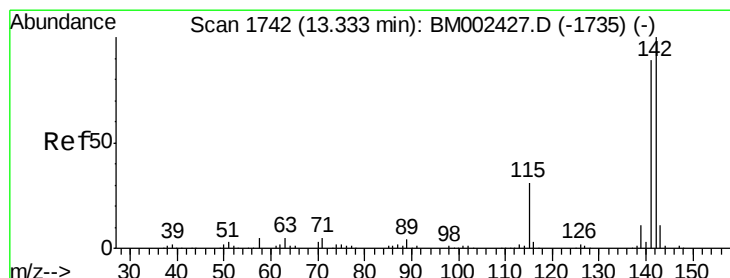
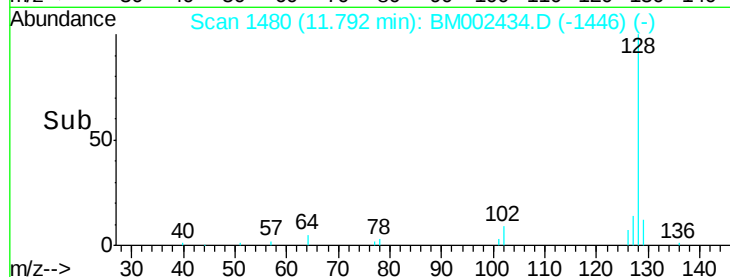
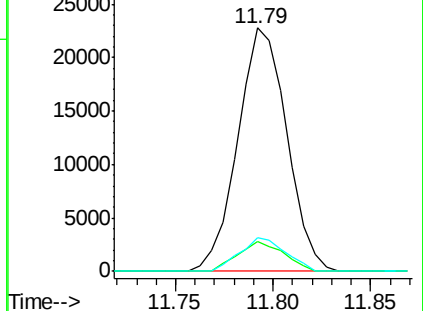
127 13.6 10.4 15.6



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: 1.10 ng/ul

RT: 13.33 min Scan# 1742

Delta R.T. -0.00 min

Lab File: BM002434.D

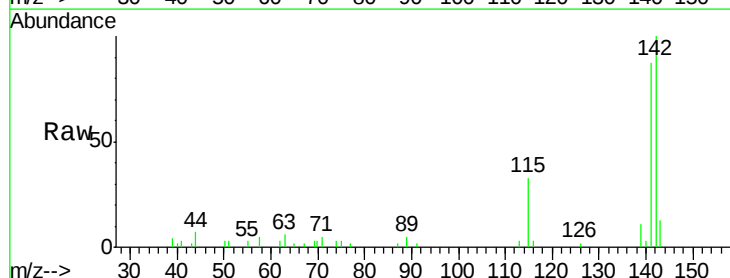
Acq: 15 Aug 2015 20:50

Tgt Ion:142 Resp: 29999

Ion Ratio Lower Upper

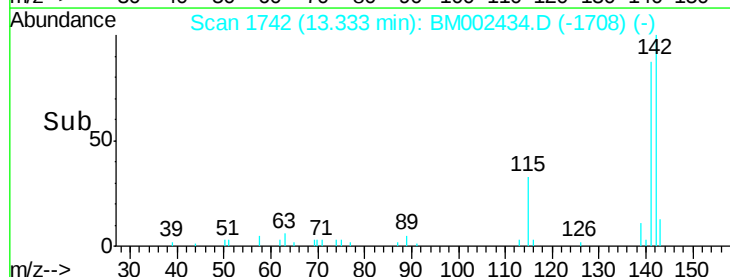
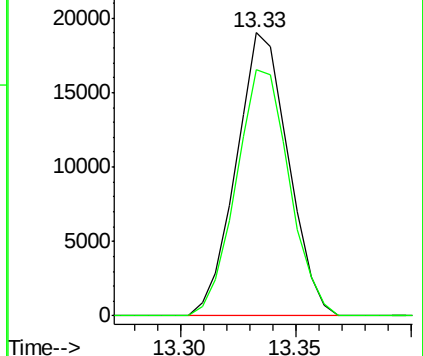
142 100

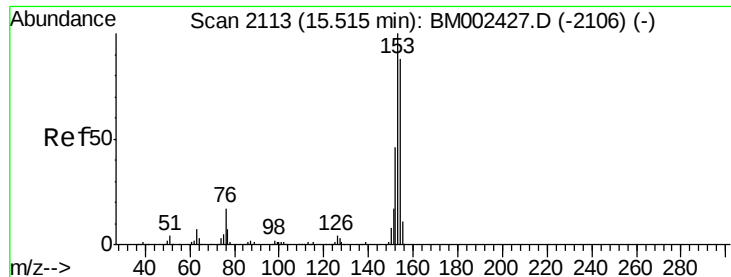
141 86.9 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthene

Concen: 26.91 ng/ul

RT: 15.52 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BM002434.D

Acq: 15 Aug 2015 20:50

Instrument :

BNA_M

ClientSampleId :

D9DA4MSD

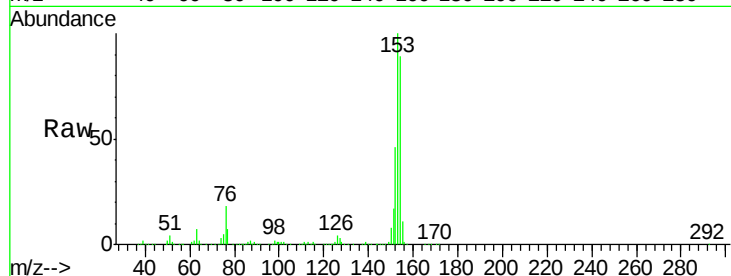
Tot Ion:153 Resp: 705841

Ion Ratio Lower Upper

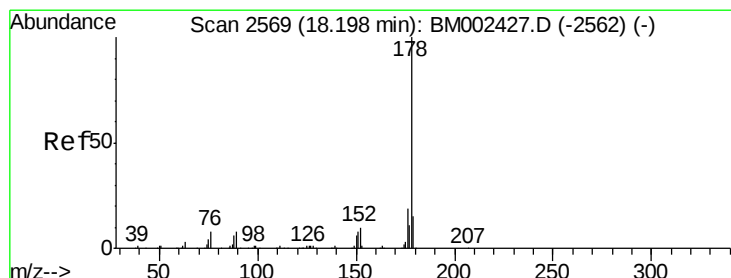
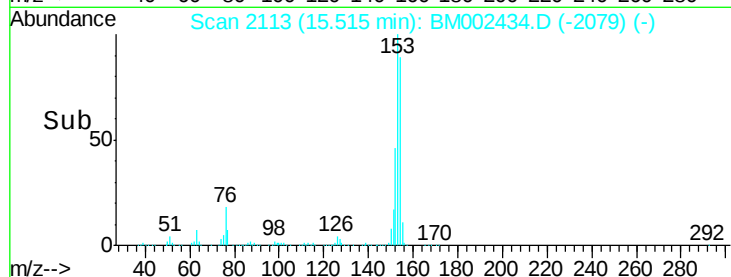
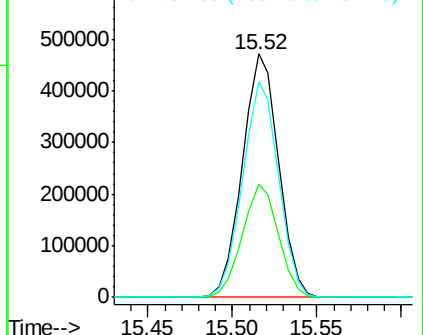
153 100

152 46.2 36.9 55.3

154 88.7 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



#13

Phenanthrene

Concen: 13.02 ng/ul

RT: 18.20 min Scan# 2570

Delta R.T. 0.01 min

Lab File: BM002434.D

Acq: 15 Aug 2015 20:50

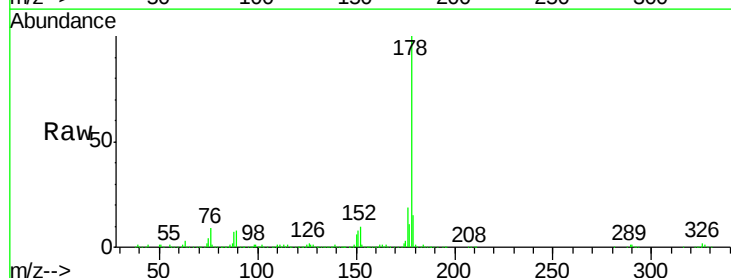
Tgt Ion:178 Resp: 508068

Ion Ratio Lower Upper

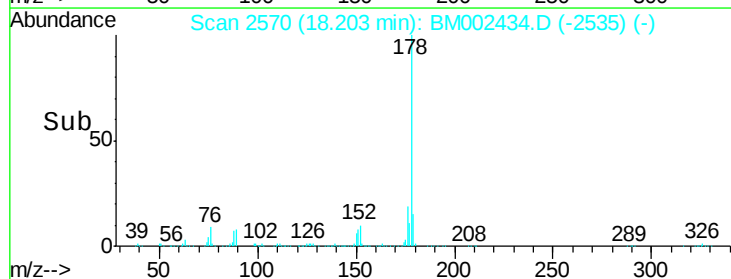
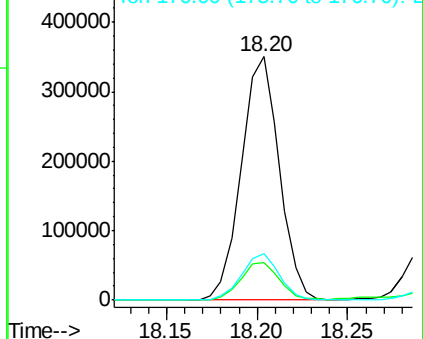
178 100

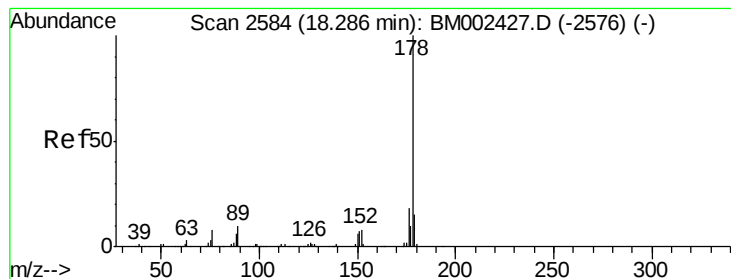
179 15.3 12.4 18.6

176 18.9 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





#15

Anthracene

Concen: 2.58 ng/ul

RT: 18.29 min Scan# 2585

Delta R.T. 0.01 min

Lab File: BM002434.D

Acq: 15 Aug 2015 20:50

Instrument :

BNA_M

ClientSampleId :

D9DA4MSD

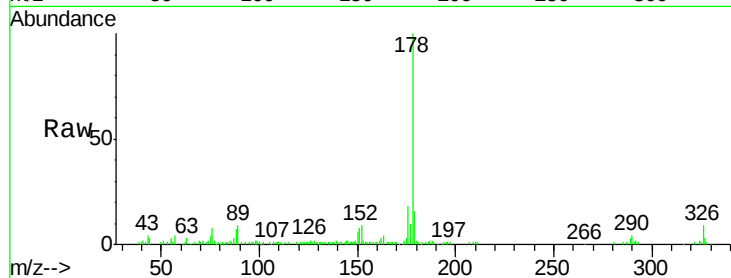
Tot Ion:178 Resp: 102051

Ion Ratio Lower Upper

178 100

179 16.2 12.6 18.8

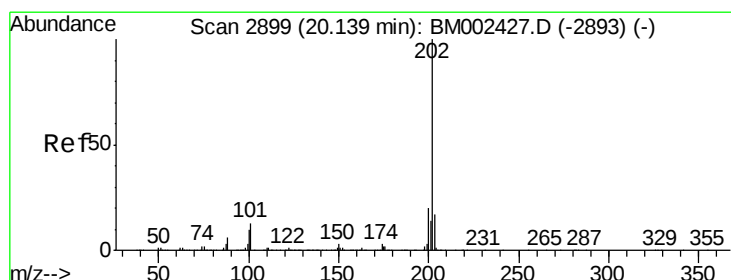
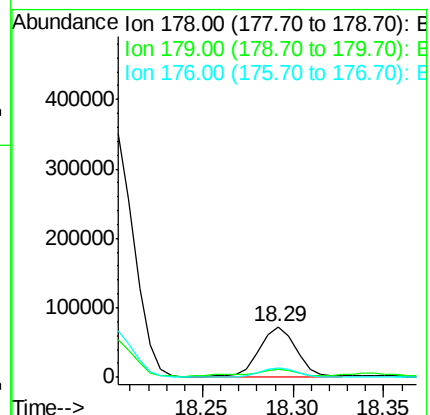
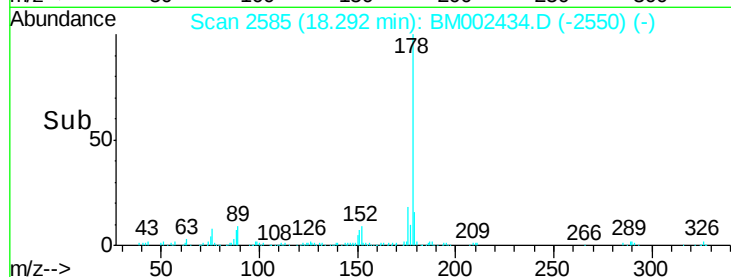
176 18.4 14.5 21.7



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: 42.48 ng/ul

RT: 20.15 min Scan# 2901

Delta R.T. 0.01 min

Lab File: BM002434.D

Acq: 15 Aug 2015 20:50

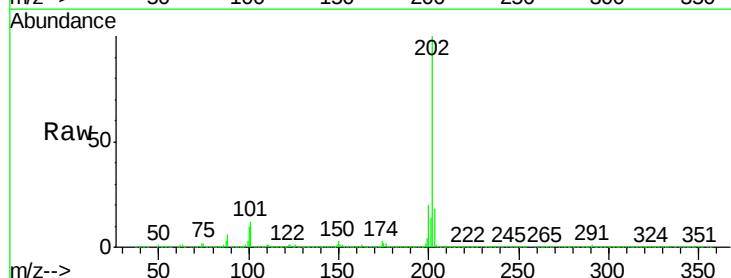
Tgt Ion:202 Resp: 1877291

Ion Ratio Lower Upper

202 100

101 12.3 9.7 14.5

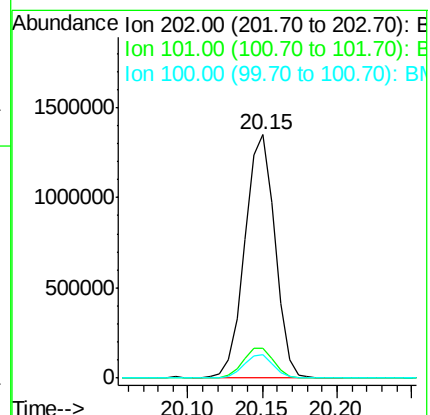
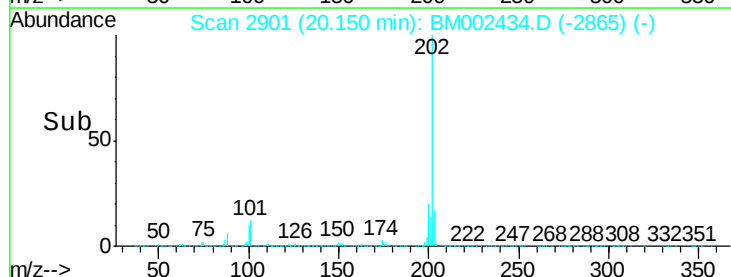
100 9.6 7.4 11.2

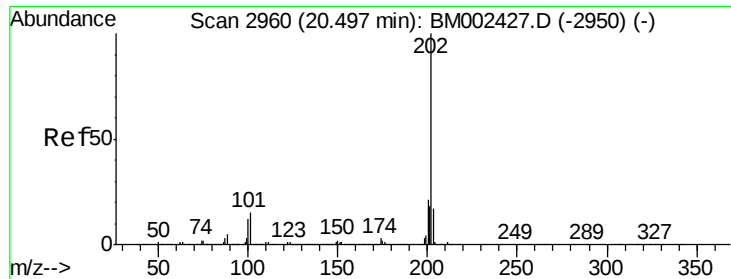


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

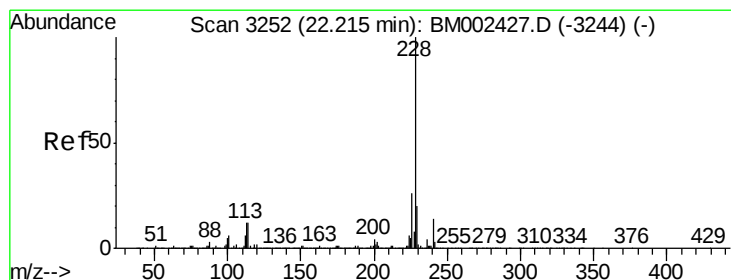
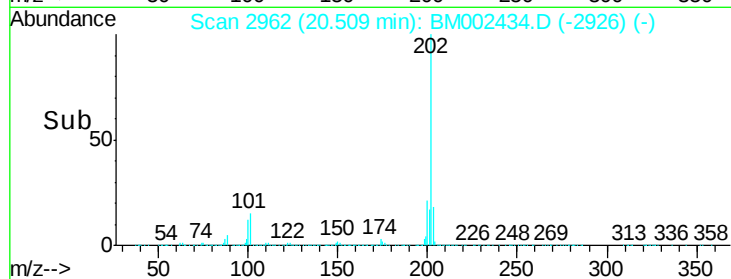
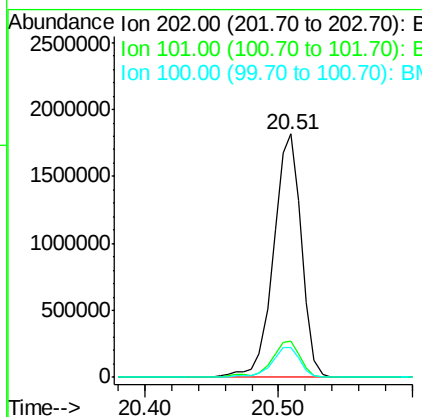
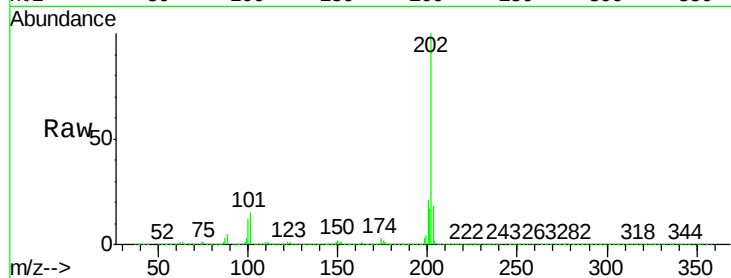




#19
Pvrene
Concen: 103.36 ng/ul
RT: 20.51 min Scan# 2962
Delta R.T. 0.01 min
Lab File: BM002434.D
Acq: 15 Aug 2015 20:50

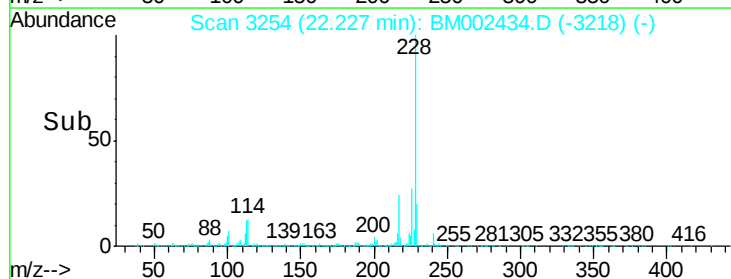
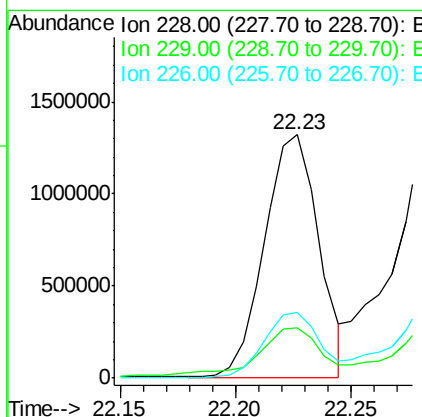
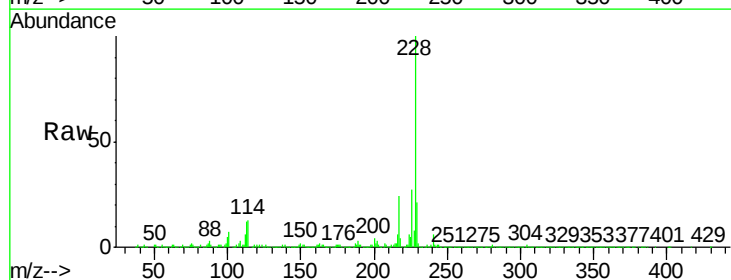
Instrument :
BNA_M
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D9DA4MSD

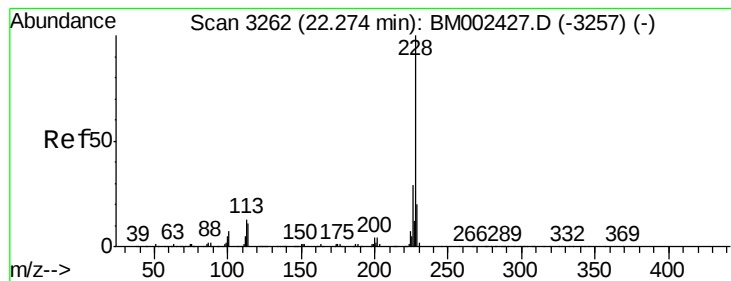
Tot Ion:202 Resp: 2639908
Ion Ratio Lower Upper
202 100
101 15.0 12.0 18.0
100 12.2 9.7 14.5



#20
Benzo(a)anthracene
Concen: 82.93 ng/ul
RT: 22.23 min Scan# 3254
Delta R.T. 0.01 min
Lab File: BM002434.D
Acq: 15 Aug 2015 20:50

Tgt Ion:228 Resp: 2161980
Ion Ratio Lower Upper
228 100
229 20.5 15.8 23.6
226 27.1 21.1 31.7





#21

Chrysene

Concen: 112.62 ng/ul

RT: 22.29 min Scan# 3264

Delta R.T. 0.01 min

Lab File: BM002434.D

Acq: 15 Aug 2015 20:50

Instrument :

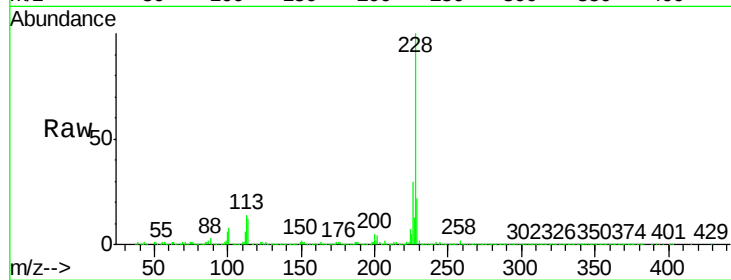
BNA_M

ClientSampleId :

D9DA4MSD

Tot Ion:228 Resp: 2746077

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.4	35.2
229	21.8	15.7	23.5

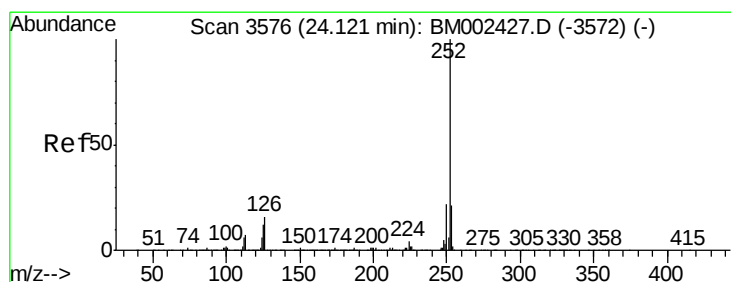
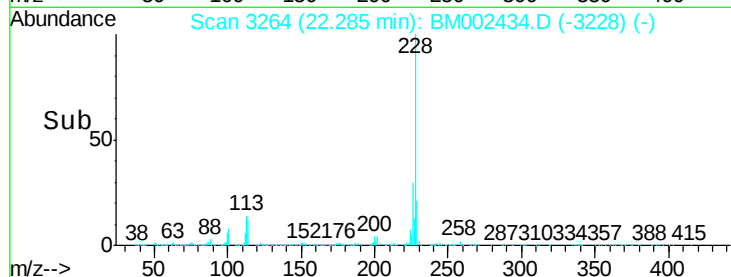
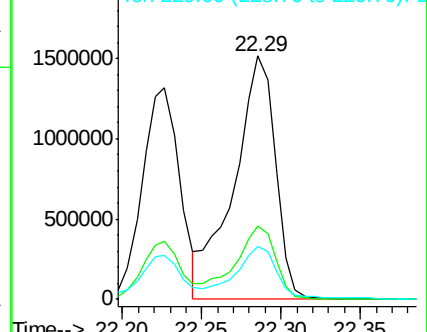


Abundance

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



#24

Benzo(k)fluoranthene

Concen: 183.87 ng/ul

RT: 24.11 min Scan# 3574

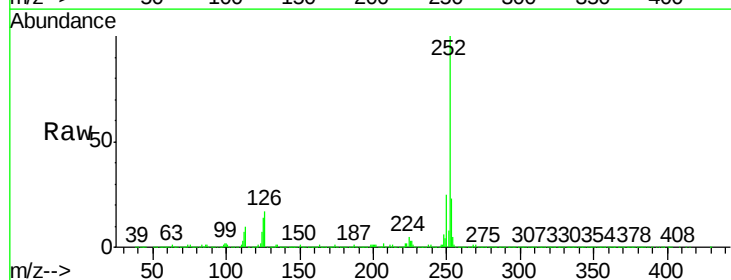
Delta R.T. -0.01 min

Lab File: BM002434.D

Acq: 15 Aug 2015 20:50

Tgt Ion:252 Resp: 5737363

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	14.2	9.8	14.8

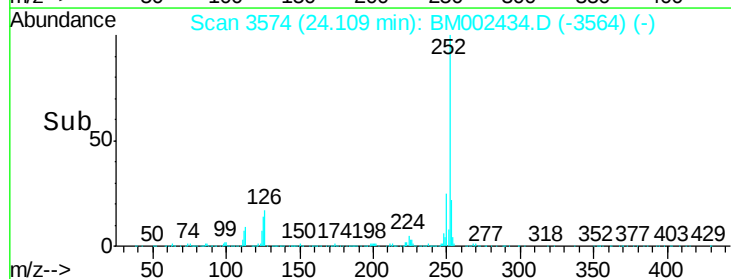
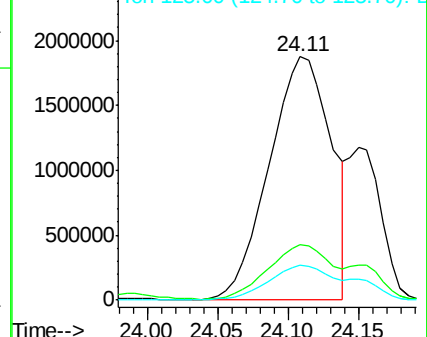


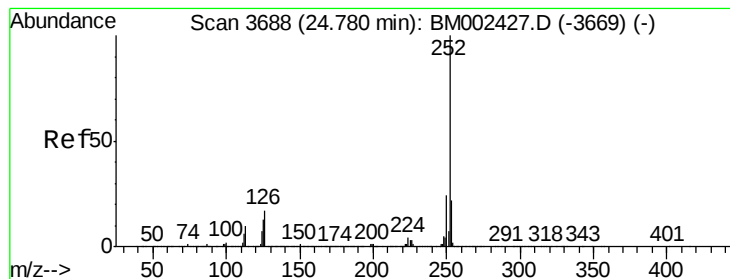
Abundance

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





#26

Benzo(a)pyrene

Concen: 102.19 ng/ul

RT: 24.70 min Scan# 3674

Delta R.T. -0.08 min

Lab File: BM002434.D

Acq: 15 Aug 2015 20:50

Instrument :

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ClientSampleId :

D9DA4MSD

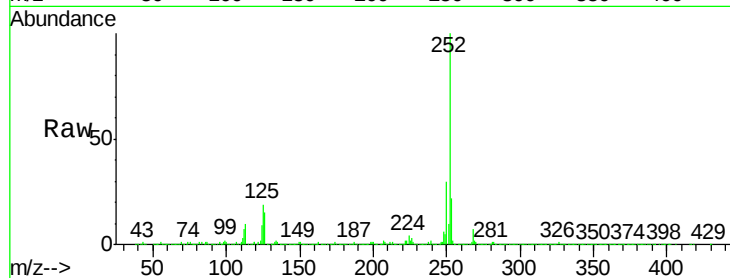
Tot Ion:252 Resp: 3213745

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

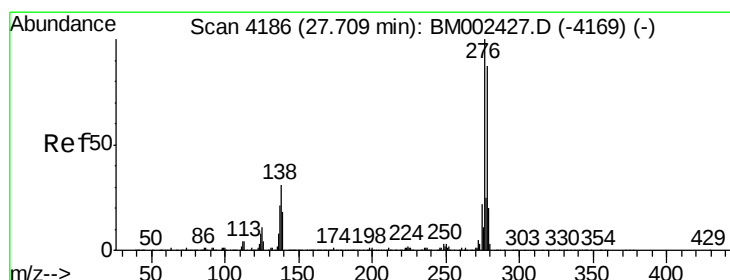
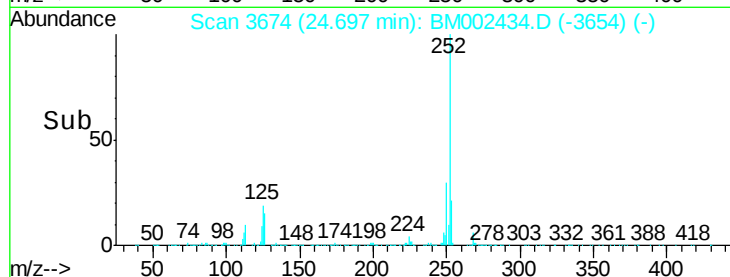
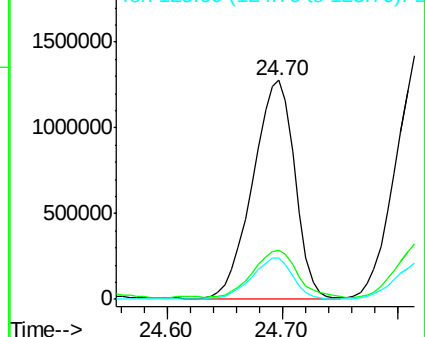
125 18.8 10.7 16.1#



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: 1.11 ng/ul

RT: 27.54 min Scan# 4158

Delta R.T. -0.16 min

Lab File: BM002434.D

Acq: 15 Aug 2015 20:50

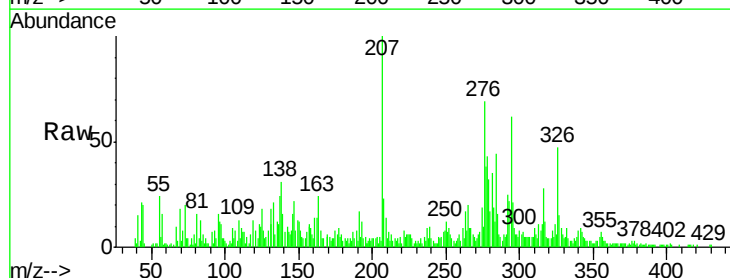
Tgt Ion:276 Resp: 40002

Ion Ratio Lower Upper

276 100

138 44.9 25.3 37.9#

277 54.2 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

