

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002433.D
 Acq On : 15 Aug 2015 20:14
 Operator : UM/IZ
 Sample : G3219-12MS
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DA4MS

Quant Time: Aug 17 05:18:08 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	153689	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	721465	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	380957	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	772267	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	535555	20.00	ng/ul	0.00
22) Perylene-d12	24.74	264	341499	20.00	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.16	160	611912	15.71	ng/ul	0.00
10) Fluorene-d10	16.42	176	412334	15.07	ng/ul	0.00
14) Anthracene-d10	18.26	188	583289	15.66	ng/ul	0.00
18) Pyrene-d10	20.47	212	497888	20.97	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.56	264	307	0.02	ng/ul	-0.16

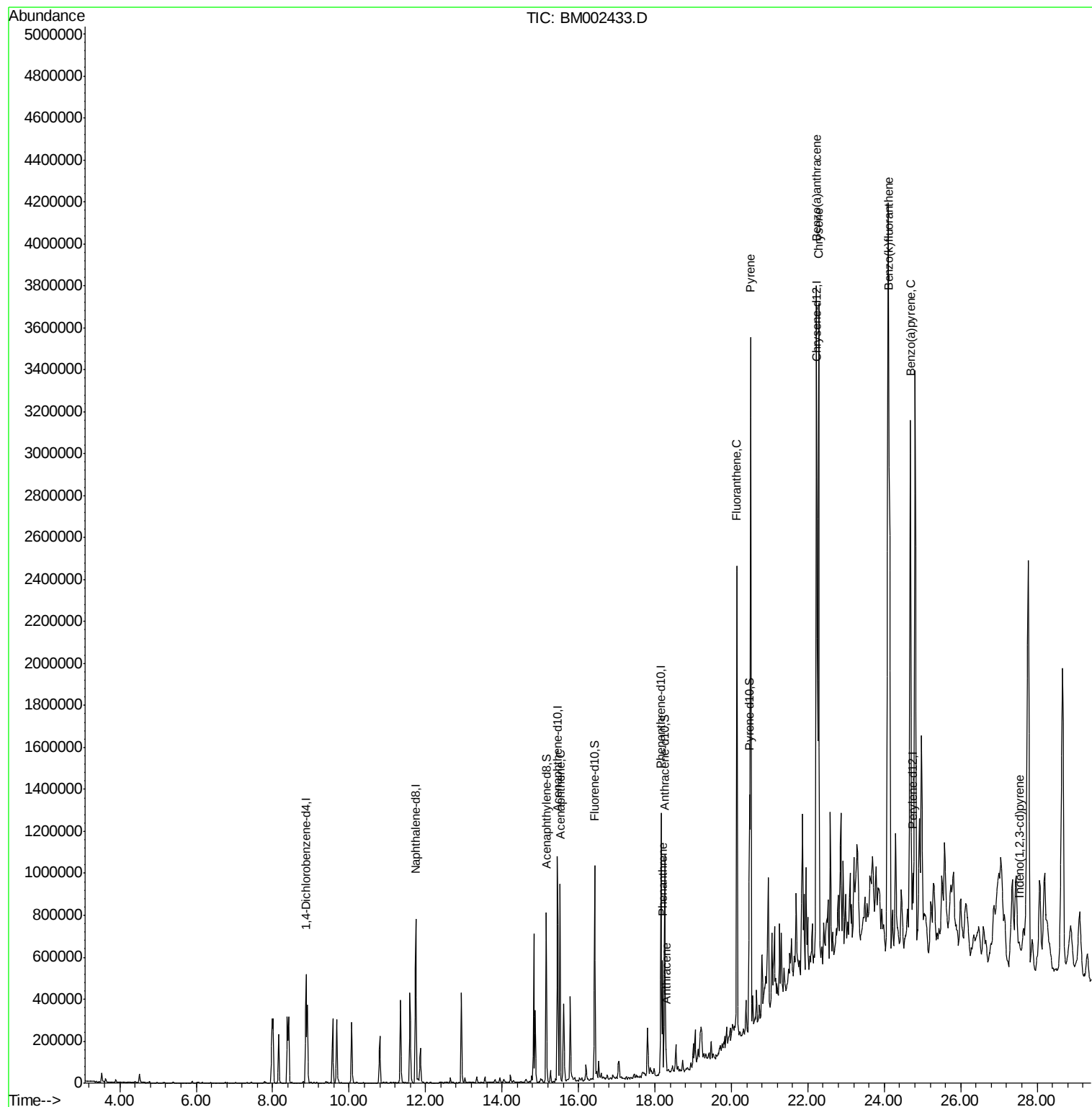
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Acenaphthene	15.52	153	393715	14.66	ng/ul	99
13) Phenanthrene	18.20	178	338263	7.59	ng/ul	100
15) Anthracene	18.29	178	69751	1.54	ng/ul	98
16) Fluoranthene	20.15	202	1437906	28.48	ng/ul	99
19) Pyrene	20.50	202	1997018	63.65	ng/ul	99
20) Benzo(a)anthracene	22.22	228	1633714	51.01	ng/ul	98
21) Chrysene	22.29	228	2025973	67.63	ng/ul	98
24) Benzo(k)fluoranthene	24.10	252	3994022	204.14	ng/ul	98
26) Benzo(a)pyrene	24.69	252	2118935	107.46	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	27.53	276	24364	1.07	ng/ul#	60

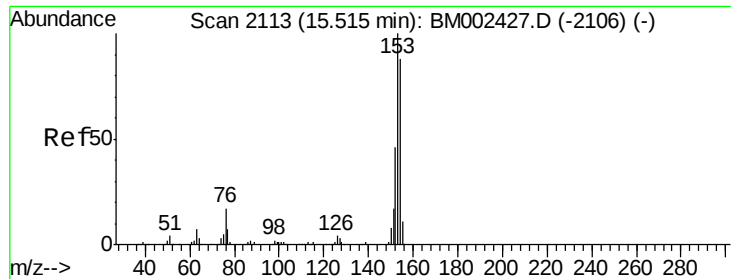
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Acenaphthene

Concen: 14.66 ng/ul

RT: 15.52 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BM002433.D

Acq: 15 Aug 2015 20:14

Instrument :

BNA_M

ClientSampleId :

D9DA4MS

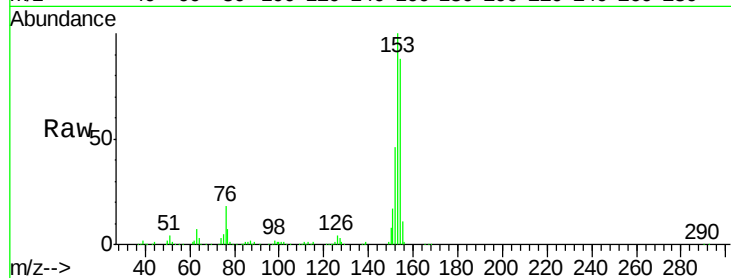
Tot Ion:153 Resp: 393715

Ion Ratio Lower Upper

153 100

152 46.2 36.9 55.3

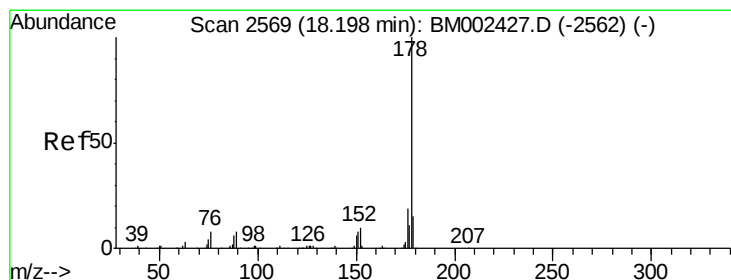
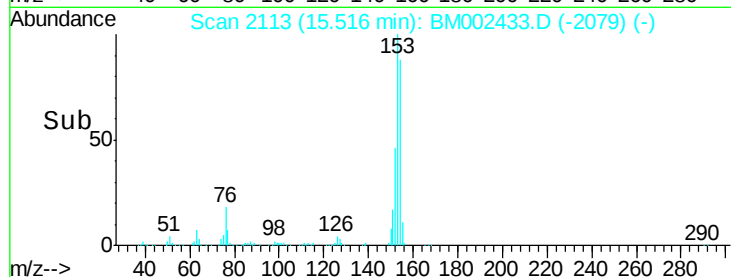
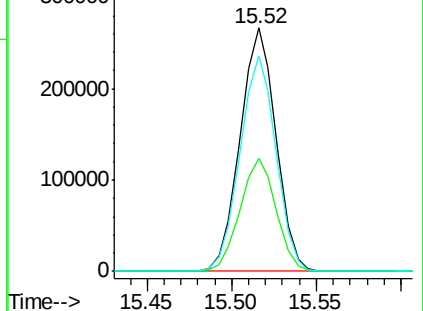
154 88.5 71.3 106.9



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: 7.59 ng/ul

RT: 18.20 min Scan# 2570

Delta R.T. 0.01 min

Lab File: BM002433.D

Acq: 15 Aug 2015 20:14

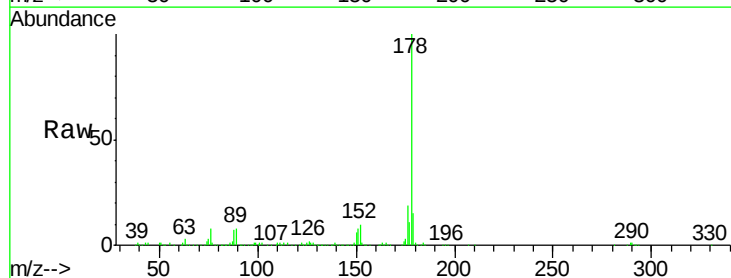
Tgt Ion:178 Resp: 338263

Ion Ratio Lower Upper

178 100

179 15.3 12.4 18.6

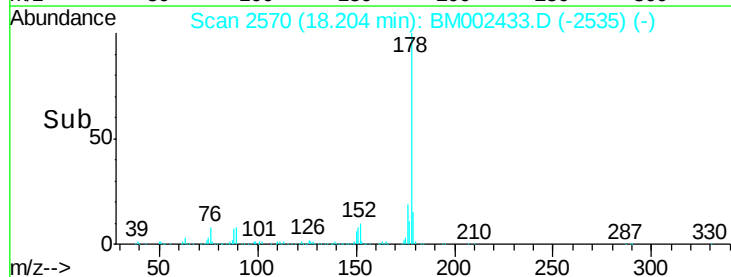
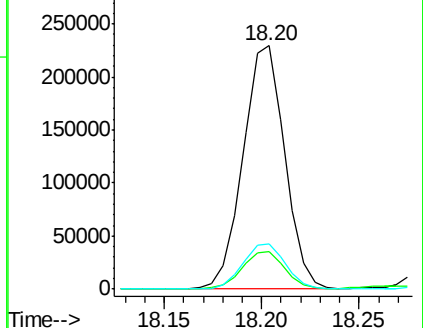
176 18.8 15.1 22.7

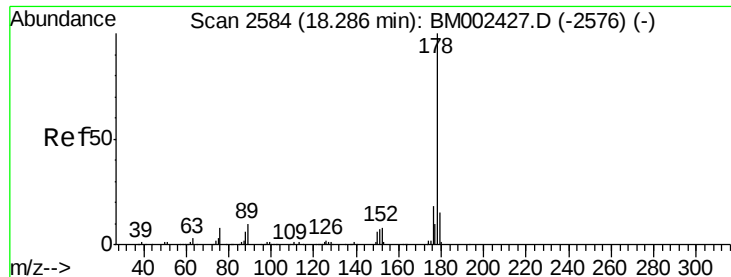


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 1.54 ng/ul

RT: 18.29 min Scan# 2585

Delta R.T. 0.01 min

Lab File: BM002433.D

Acq: 15 Aug 2015 20:14

Instrument :

BNA_M

ClientSampleId :

D9DA4MS

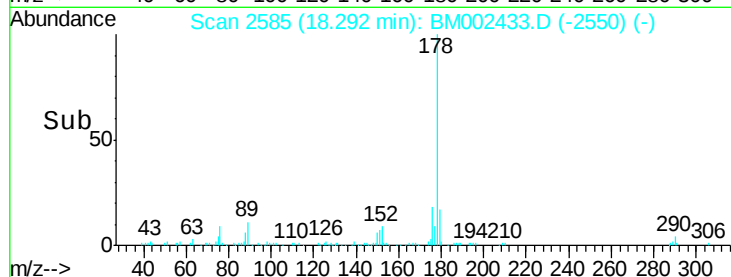
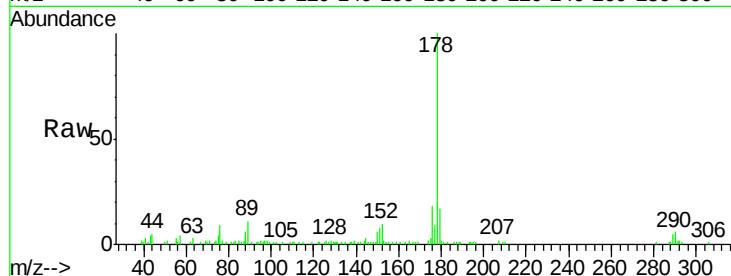
Tot Ion:178 Resp: 69751

Ion Ratio Lower Upper

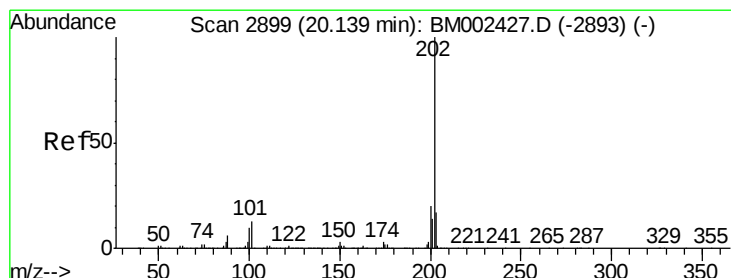
178 100

179 17.2 12.6 18.8

176 18.2 14.5 21.7



Time-->



#16

Fluoranthene

Concen: 28.48 ng/ul

RT: 20.15 min Scan# 2901

Delta R.T. 0.01 min

Lab File: BM002433.D

Acq: 15 Aug 2015 20:14

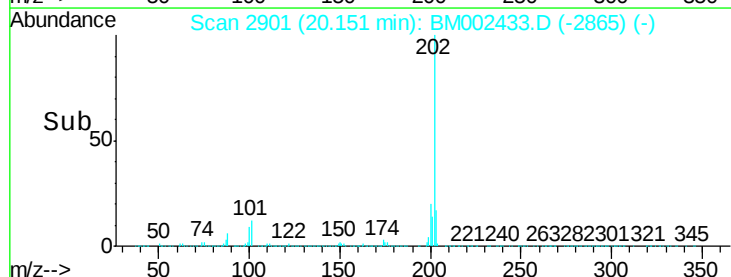
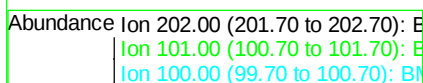
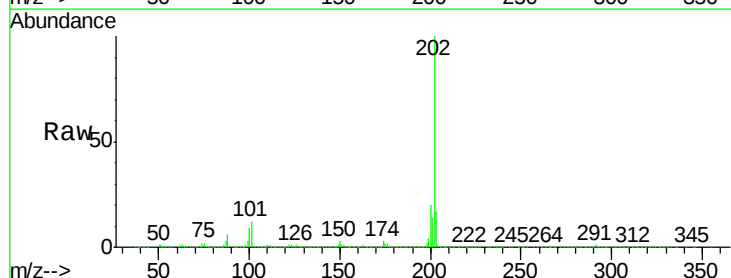
Tgt Ion:202 Resp: 1437906

Ion Ratio Lower Upper

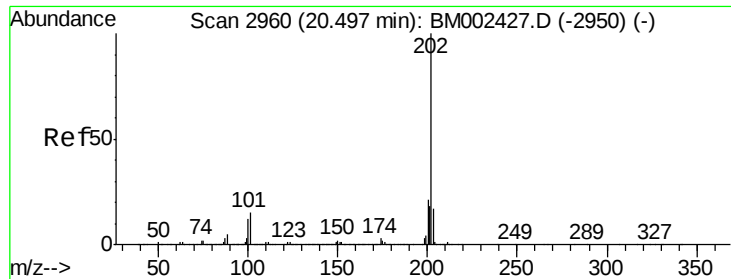
202 100

101 11.9 9.7 14.5

100 9.1 7.4 11.2



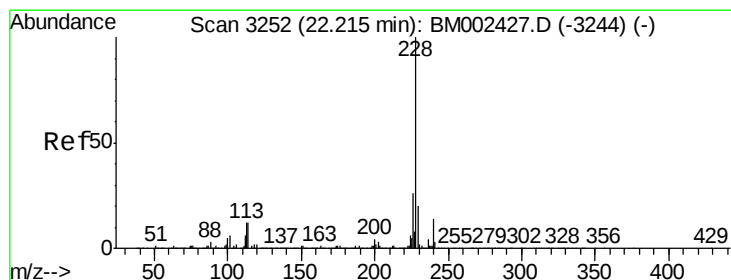
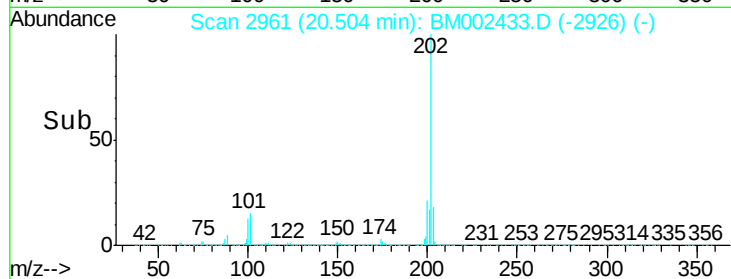
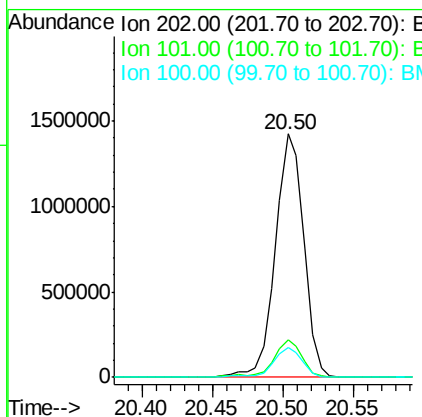
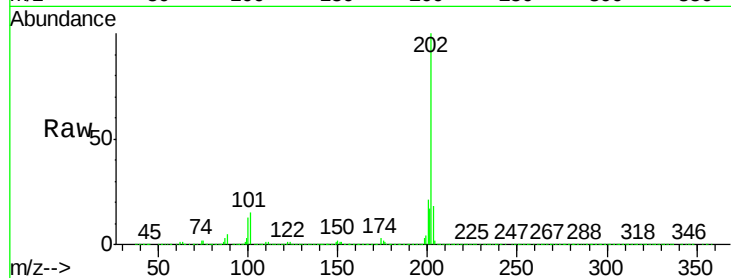
Time-->



#19
Pvrene
Concen: 63.65 ng/ul
RT: 20.50 min Scan# 2961
Delta R.T. 0.01 min
Lab File: BM002433.D
Acq: 15 Aug 2015 20:14

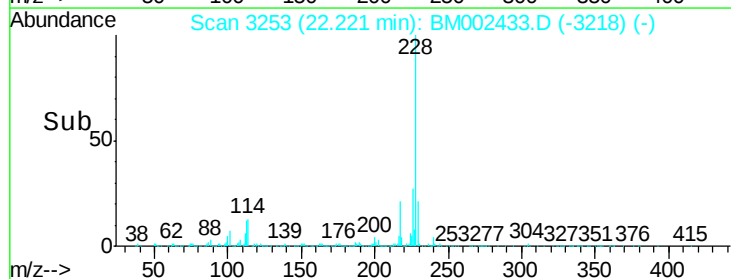
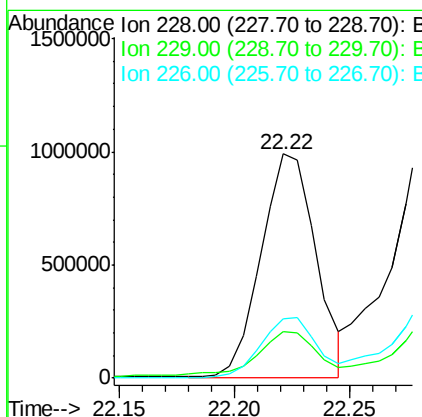
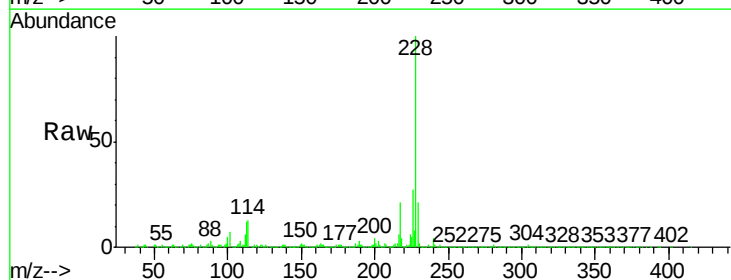
Instrument :
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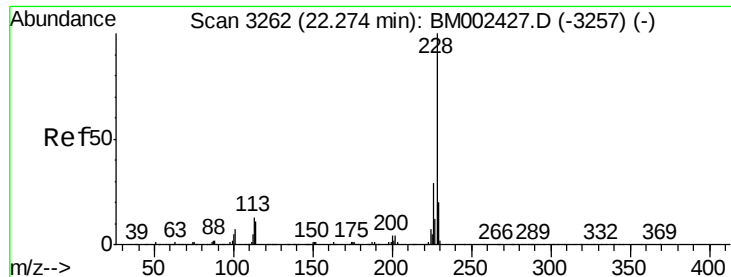
Tot Ion:202 Resp: 1997018
Ion Ratio Lower Upper
202 100
101 15.3 12.0 18.0
100 12.5 9.7 14.5



#20
Benzo(a)anthracene
Concen: 51.01 ng/ul
RT: 22.22 min Scan# 3253
Delta R.T. 0.01 min
Lab File: BM002433.D
Acq: 15 Aug 2015 20:14

Tgt Ion:228 Resp: 1633714
Ion Ratio Lower Upper
228 100
229 21.0 15.8 23.6
226 26.8 21.1 31.7





#21

Chrysene

Concen: 67.63 ng/ul

RT: 22.29 min Scan# 3264

Delta R.T. 0.01 min

Lab File: BM002433.D

Acq: 15 Aug 2015 20:14

Instrument :

BNA_M

ClientSampleId :

D9DA4MS

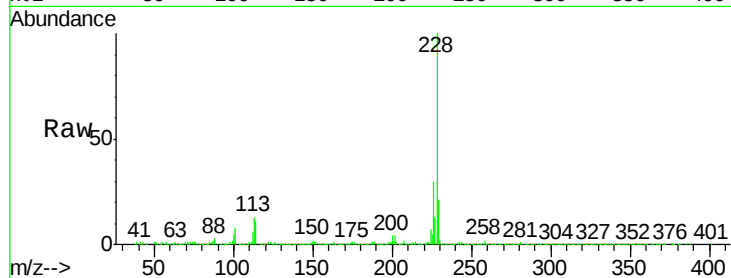
Tot Ion:228 Resp: 2025973

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

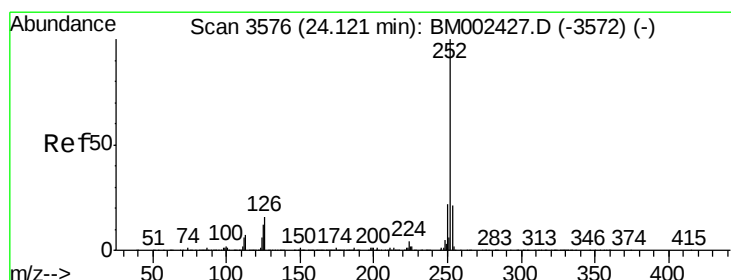
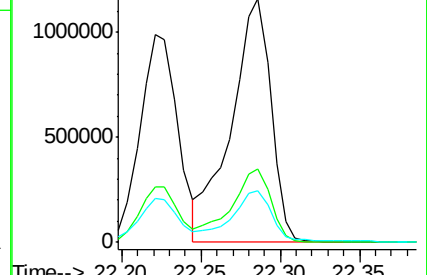
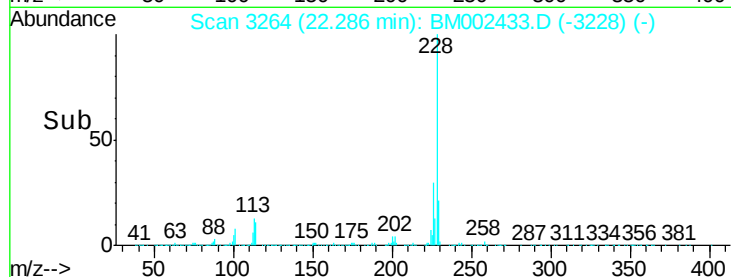
229 21.3 15.7 23.5



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: 204.14 ng/ul

RT: 24.10 min Scan# 3573

Delta R.T. -0.02 min

Lab File: BM002433.D

Acq: 15 Aug 2015 20:14

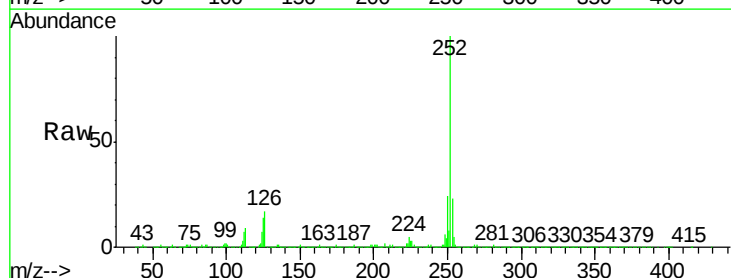
Tgt Ion:252 Resp: 3994022

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

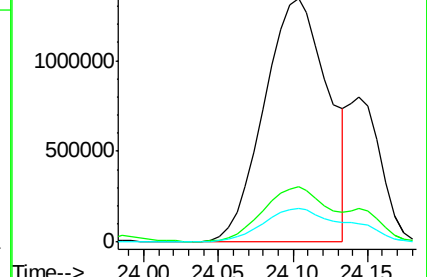
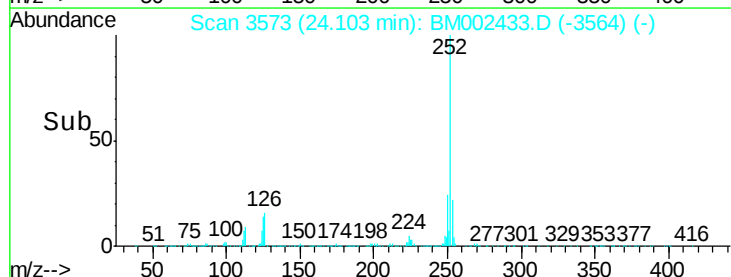
125 13.8 9.8 14.8

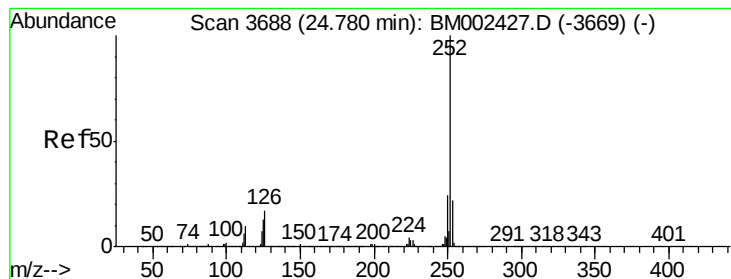


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 107.46 ng/ul

RT: 24.69 min Scan# 3672

Delta R.T. -0.09 min

Lab File: BM002433.D

Acq: 15 Aug 2015 20:14

Instrument :

BNA_M

ClientSampleId :

D9DA4MS

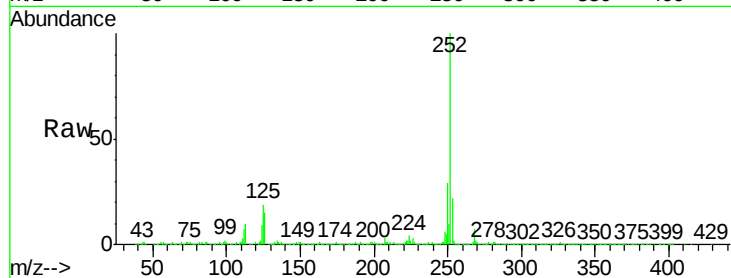
Tot Ion:252 Resp: 2118935

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

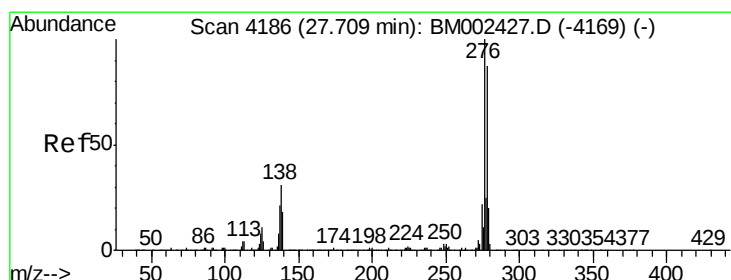
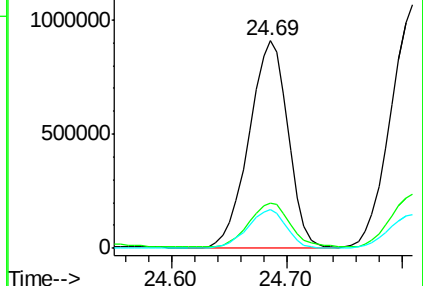
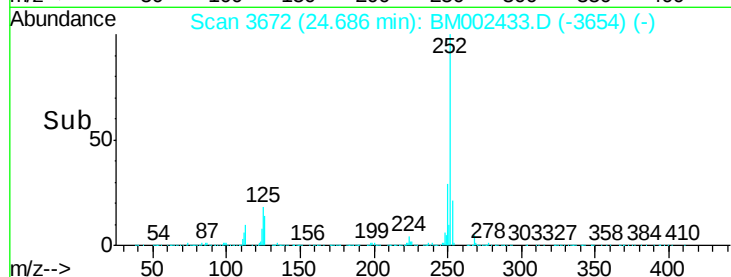
125 18.5 10.7 16.1#



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: 1.07 ng/ul

RT: 27.53 min Scan# 4156

Delta R.T. -0.18 min

Lab File: BM002433.D

Acq: 15 Aug 2015 20:14

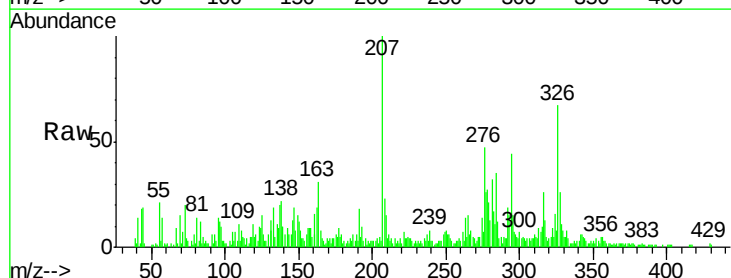
Tgt Ion:276 Resp: 24364

Ion Ratio Lower Upper

276 100

138 45.8 25.3 37.9#

277 54.0 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

