

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002439.D
 Acq On : 15 Aug 2015 23:53
 Operator : UM/IZ
 Sample : G3194-17
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DB8

Quant Time: Aug 17 05:19:12 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

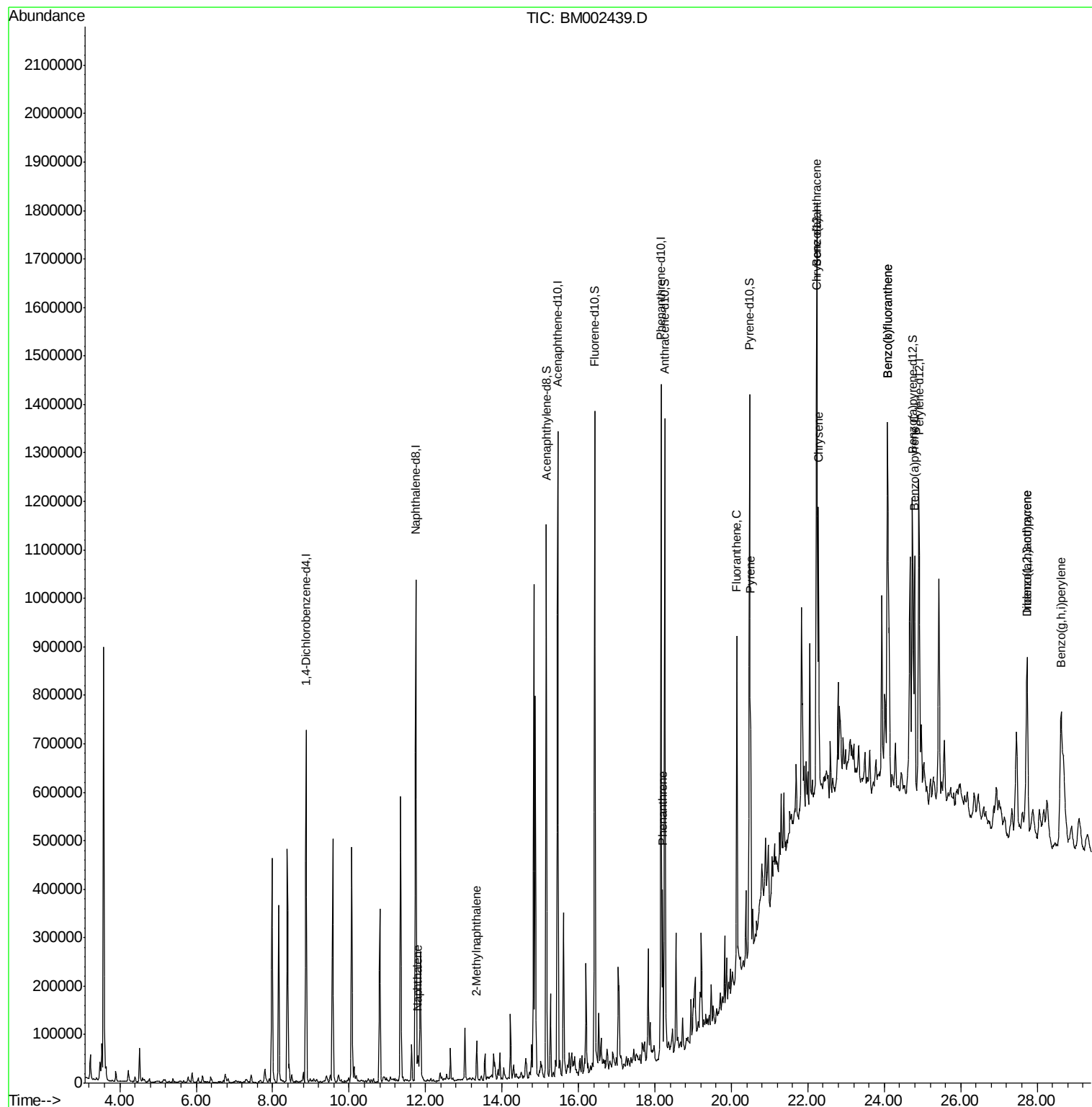
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	216232	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	949592	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	469458	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	841541	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	557089	20.00	ng/ul	0.00
22) Perylene-d12	24.91	264	554219	20.00	ng/ul	0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	868545	18.10	ng/ul	0.00
10) Fluorene-d10	16.42	176	570438	16.92	ng/ul	0.00
14) Anthracene-d10	18.26	188	739639	18.22	ng/ul	0.00
18) Pyrene-d10	20.47	212	588223	23.82	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.74	264	511191	17.56	ng/ul	0.02
Target Compounds				Ovalue		
3) Naphthalene	11.80	128	48797	1.01	ng/ul	98
4) 2-Methylnaphthalene	13.33	142	41893	1.15	ng/ul	100
13) Phenanthrene	18.20	178	211754	4.36	ng/ul	99
16) Fluoranthene	20.14	202	420287	7.64	ng/ul	100
19) Pyrene	20.50	202	367150	11.25	ng/ul	98
20) Benzo(a)anthracene	22.22	228	294662	8.85	ng/ul	98
21) Chrysene	22.28	228	387728	12.44	ng/ul	96
23) Benzo(b)fluoranthene	24.09	252	728511	21.74	ng/ul	98
24) Benzo(k)fluoranthene	24.09	252	217868	6.86	ng/ul	99
26) Benzo(a)pyrene	24.79	252	399800	12.49	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.74	276	381520	10.37	ng/ul	95
28) Dibenzo(a,h)anthracene	27.73	278	124916	4.06	ng/ul#	93
29) Benzo(a,h,i)perylene	28.62	276	365280	11.92	ng/ul	98

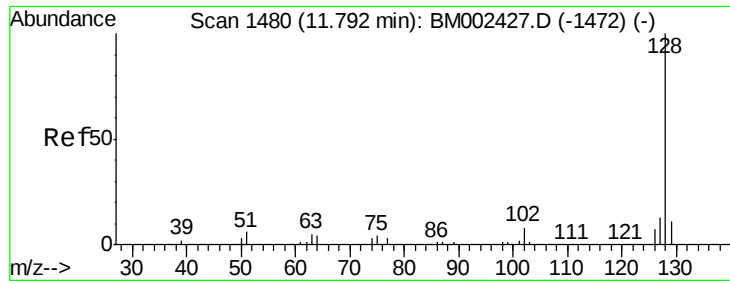
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.01 ng/ul

RT: 11.80 min Scan# 1481

Delta R.T. 0.01 min

Lab File: BM002439.D

Acq: 15 Aug 2015 23:53

Instrument :

BNA_M

ClientSampleId :

D9DB8

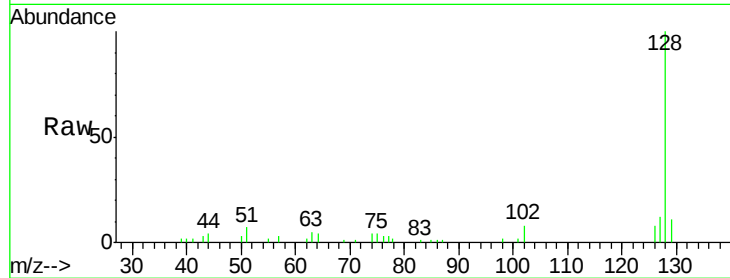
Tot Ion:128 Resp: 48797

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

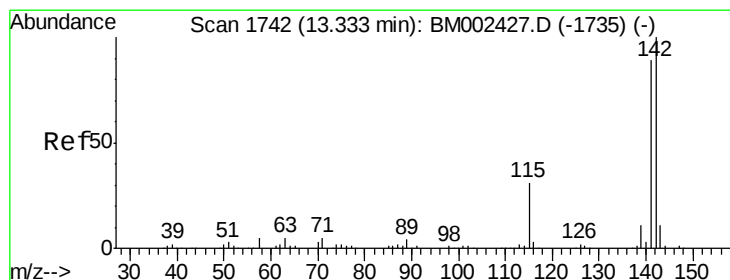
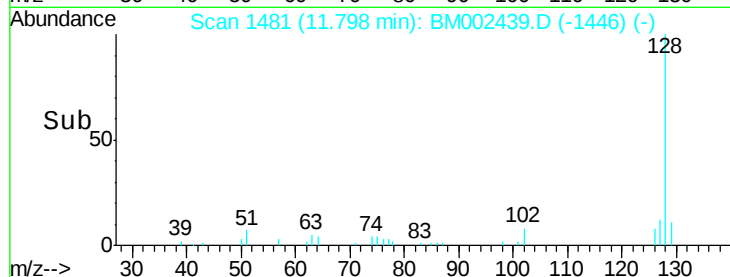
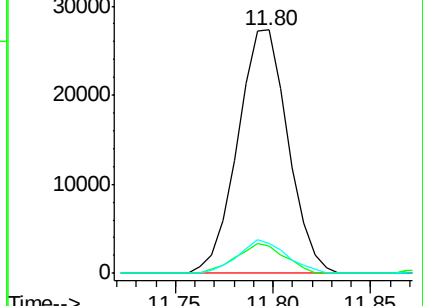
127 12.4 10.4 15.6



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: 1.15 ng/ul

RT: 13.33 min Scan# 1742

Delta R.T. -0.00 min

Lab File: BM002439.D

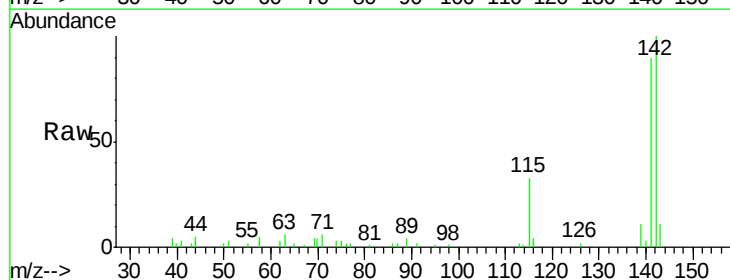
Acq: 15 Aug 2015 23:53

Tgt Ion:142 Resp: 41893

Ion Ratio Lower Upper

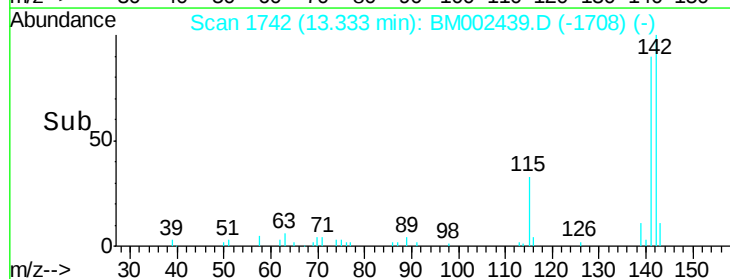
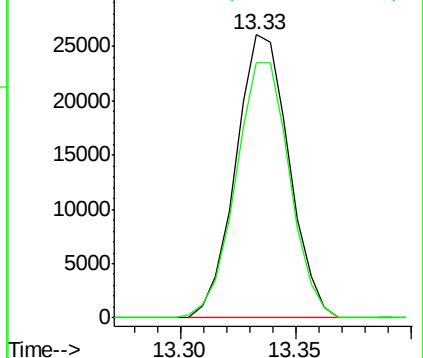
142 100

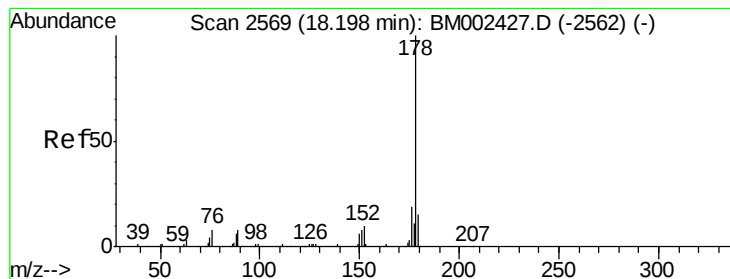
141 90.1 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#13

Phenanthrene

Concen: 4.36 ng/ul

RT: 18.20 min Scan# 2570

Delta R.T. 0.01 min

Lab File: BM002439.D

Acq: 15 Aug 2015 23:53

Instrument :

BNA_M

ClientSampleId :

D9DB8

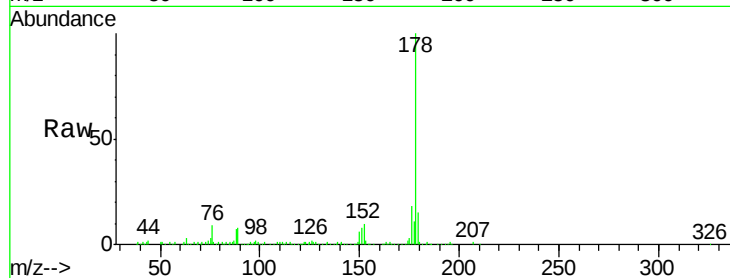
Tot Ion:178 Resp: 211754

Ion Ratio Lower Upper

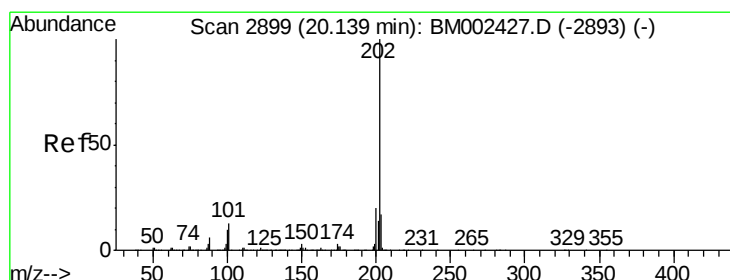
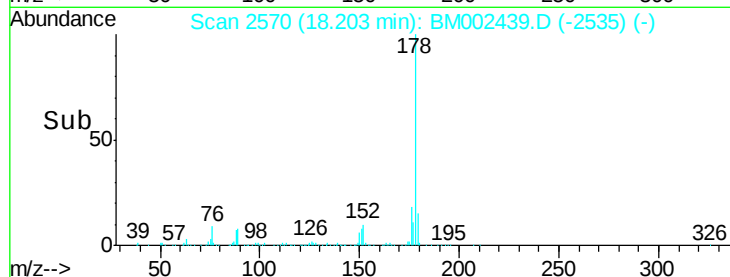
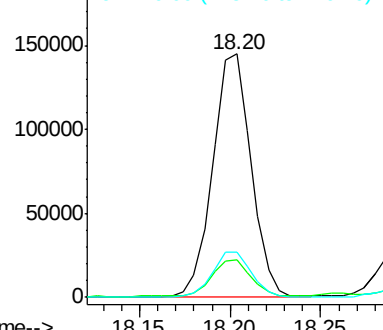
178 100

179 15.3 12.4 18.6

176 18.3 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



#16

Fluoranthene

Concen: 7.64 ng/ul

RT: 20.14 min Scan# 2900

Delta R.T. 0.01 min

Lab File: BM002439.D

Acq: 15 Aug 2015 23:53

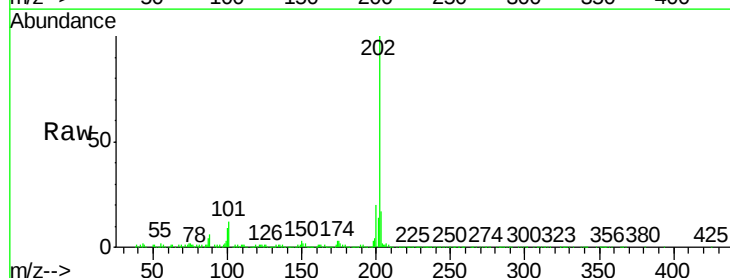
Tgt Ion:202 Resp: 420287

Ion Ratio Lower Upper

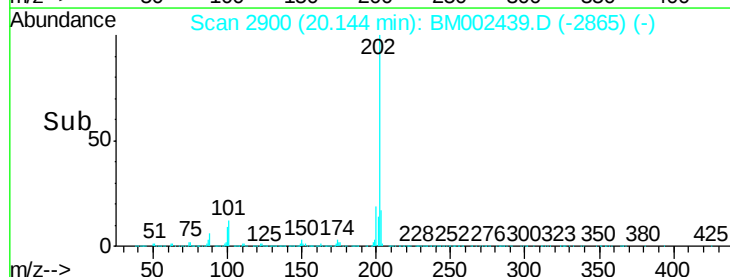
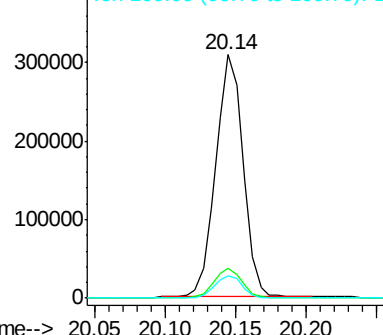
202 100

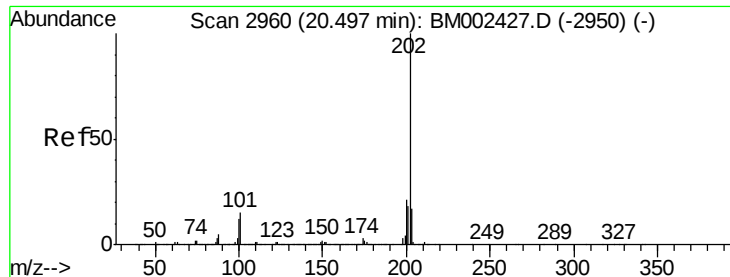
101 12.1 9.7 14.5

100 9.3 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

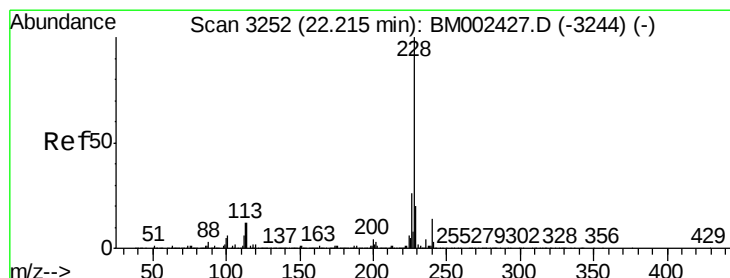
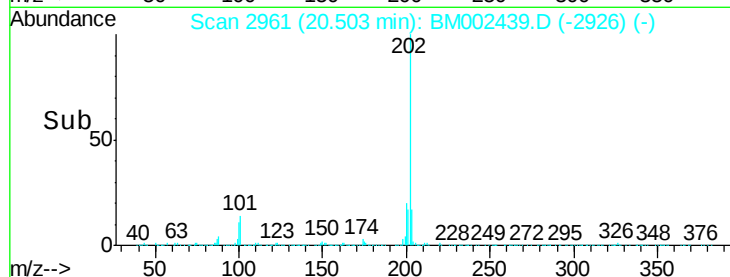
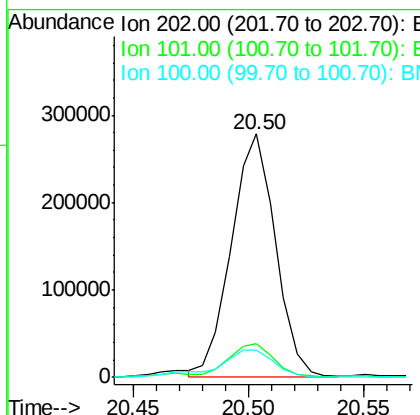
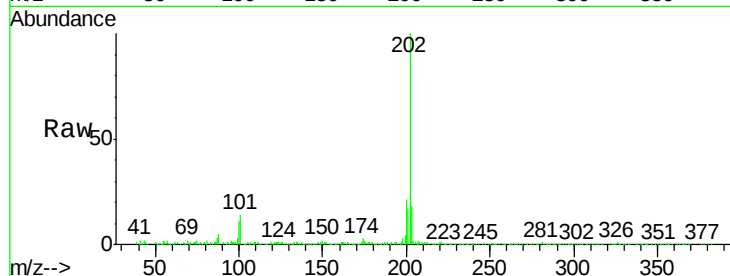




#19
 Pvrene
 Concen: 11.25 ng/ul
 RT: 20.50 min Scan# 2961
 Delta R.T. 0.01 min
 Lab File: BM002439.D
 Acq: 15 Aug 2015 23:53

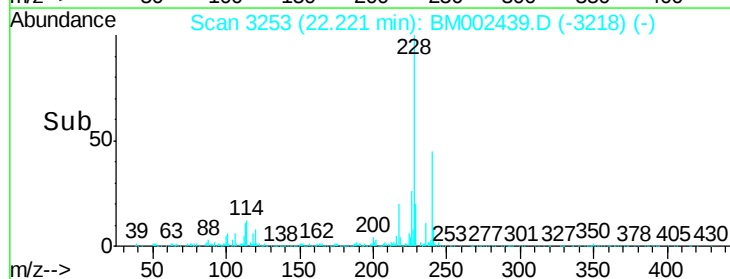
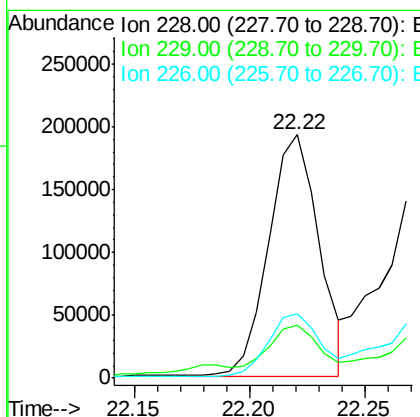
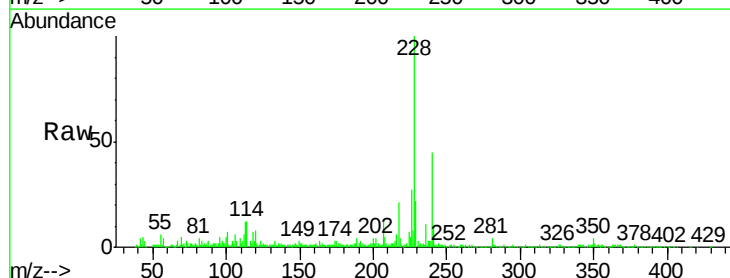
Instrument :
 BNA_M
 ClientSampleId :
 D9DB8

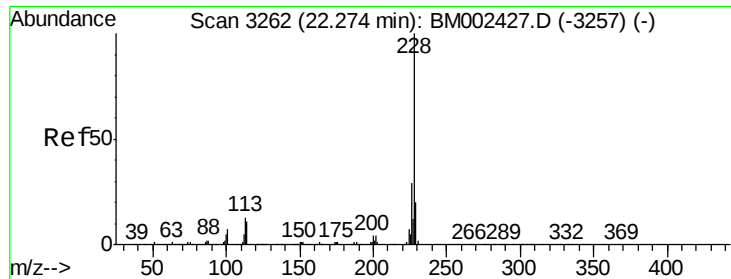
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.9	12.0	18.0
100	11.4	9.7	14.5



#20
 Benzo(a)anthracene
 Concen: 8.85 ng/ul
 RT: 22.22 min Scan# 3253
 Delta R.T. 0.01 min
 Lab File: BM002439.D
 Acq: 15 Aug 2015 23:53

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.6	15.8	23.6
226	26.6	21.1	31.7





#21

Chrysene

Concen: 12.44 ng/ul

RT: 22.28 min Scan# 3263

Delta R.T. 0.01 min

Lab File: BM002439.D

Acq: 15 Aug 2015 23:53

Instrument :

BNA_M

ClientSampled :

D9DB8

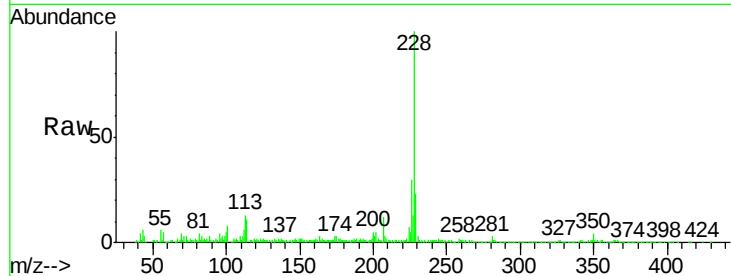
Tot Ion:228 Resp: 387728

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.2

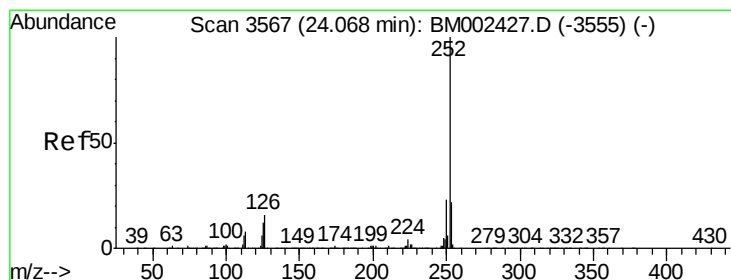
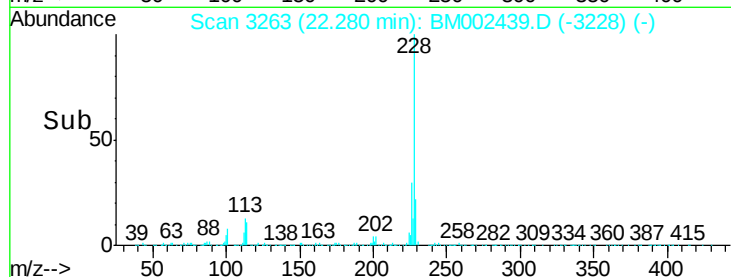
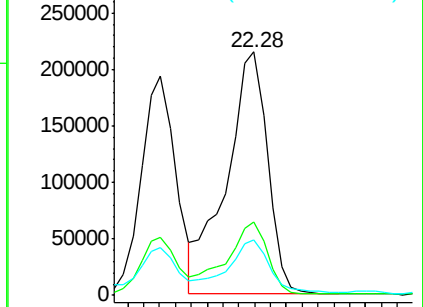
229 22.7 15.7 23.5



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: 21.74 ng/ul

RT: 24.09 min Scan# 3570

Delta R.T. 0.02 min

Lab File: BM002439.D

Acq: 15 Aug 2015 23:53

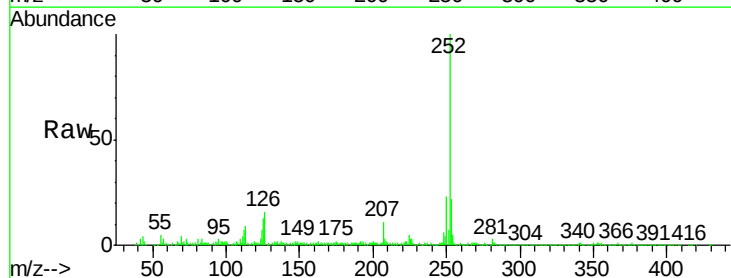
Tgt Ion:252 Resp: 728511

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

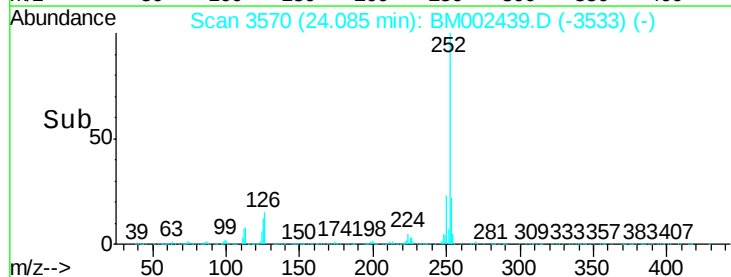
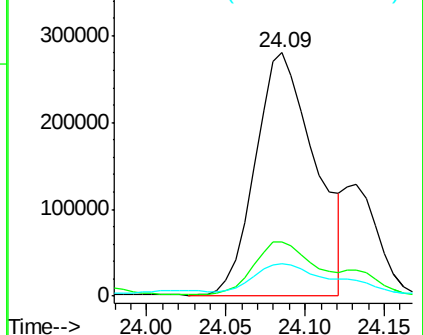
125 13.5 10.0 15.0

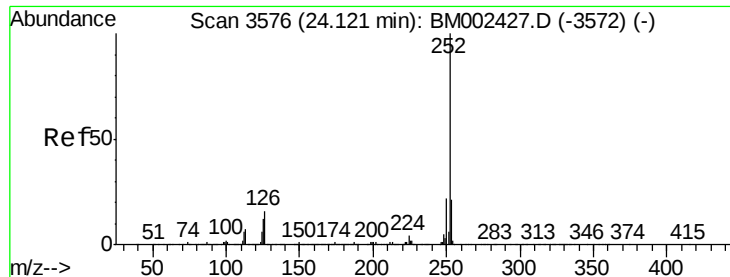


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 6.86 ng/ul

RT: 24.09 min Scan# 3570

Delta R.T. -0.04 min

Lab File: BM002439.D

Acq: 15 Aug 2015 23:53

Instrument :

BNA_M

ClientSampleId :

D9DB8

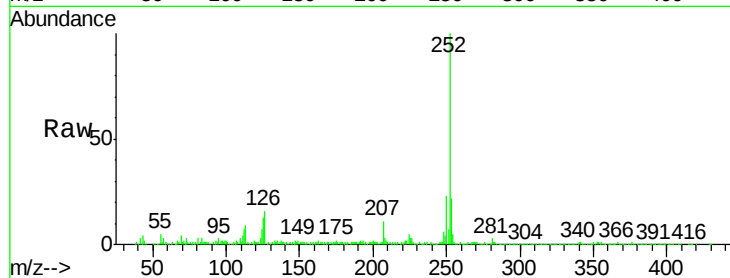
Tot Ion:252 Resp: 217868

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

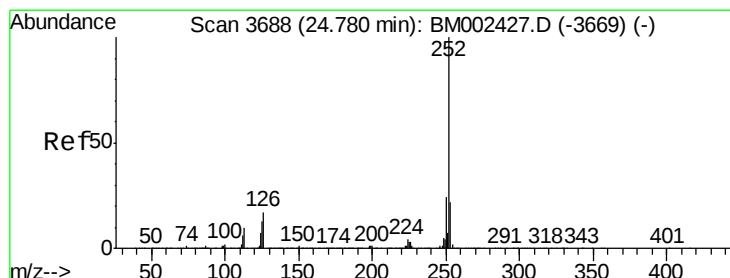
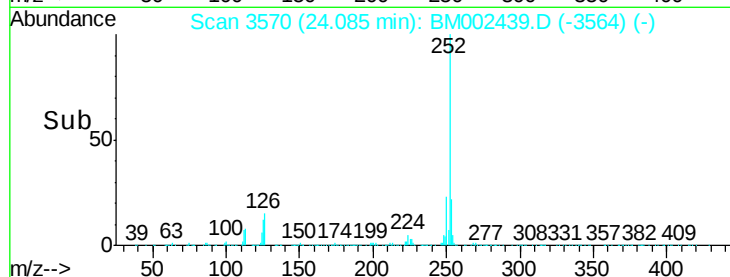
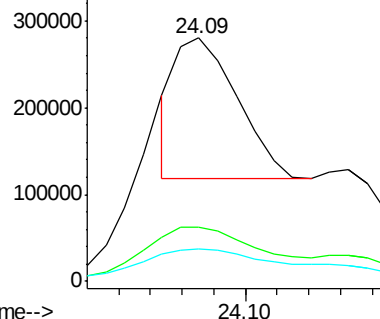
125 13.5 9.8 14.8



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: 12.49 ng/ul

RT: 24.79 min Scan# 3690

Delta R.T. 0.01 min

Lab File: BM002439.D

Acq: 15 Aug 2015 23:53

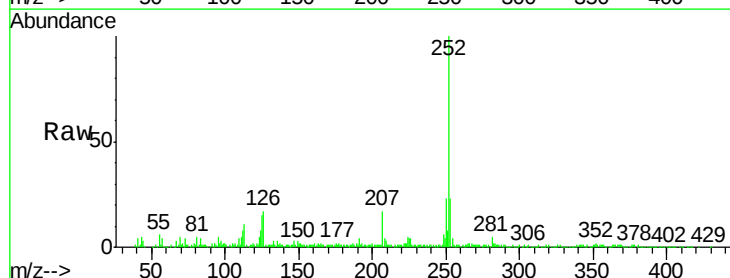
Tgt Ion:252 Resp: 399800

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

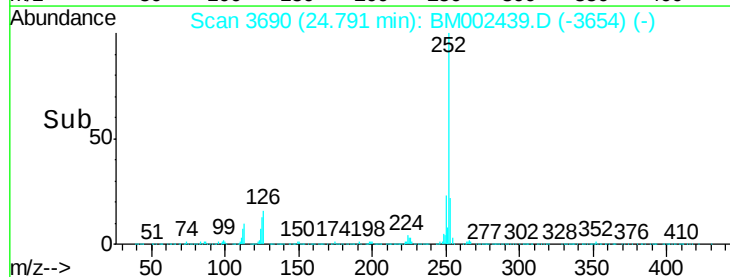
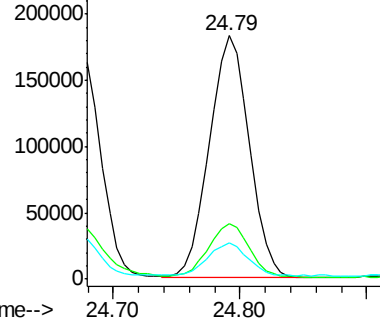
125 14.9 10.7 16.1

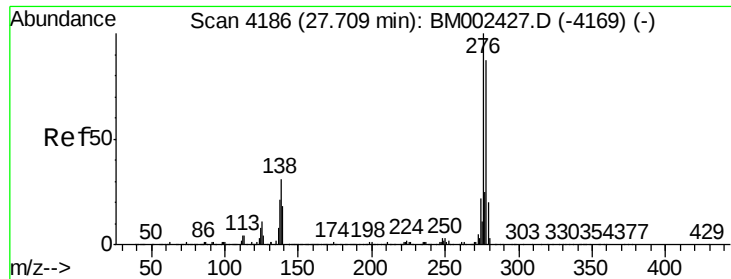


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

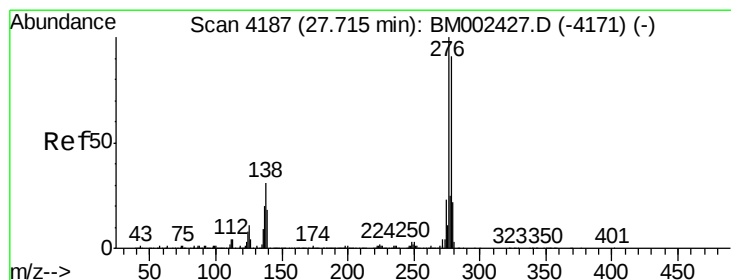
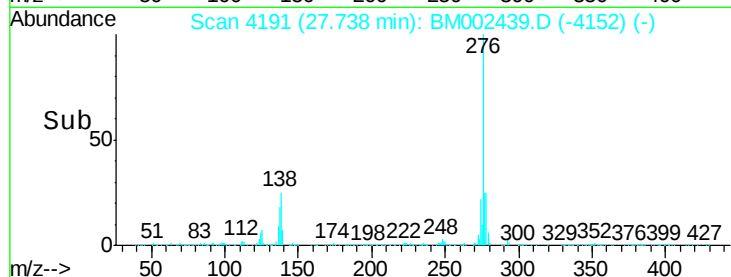
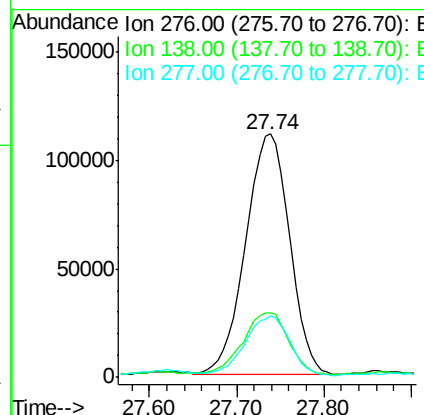
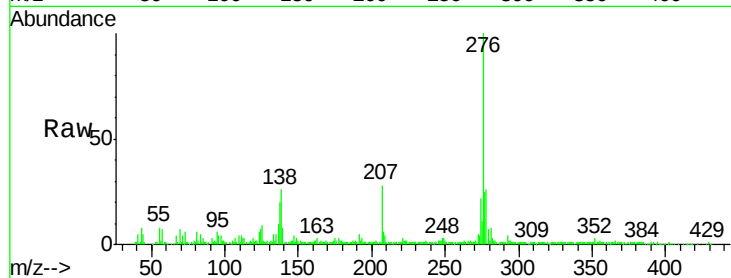




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 10.37 ng/ul
 RT: 27.74 min Scan# 4191
 Delta R.T. 0.03 min
 Lab File: BM002439.D
 Acq: 15 Aug 2015 23:53

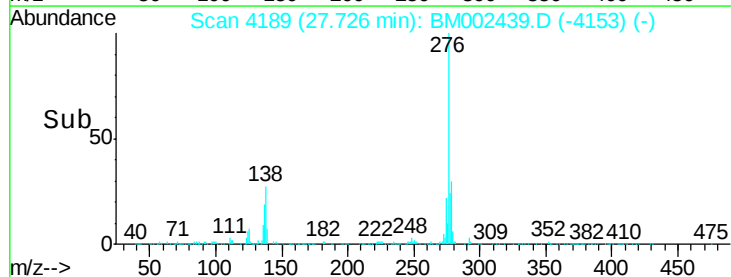
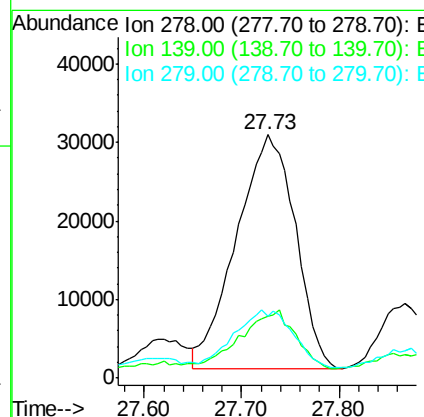
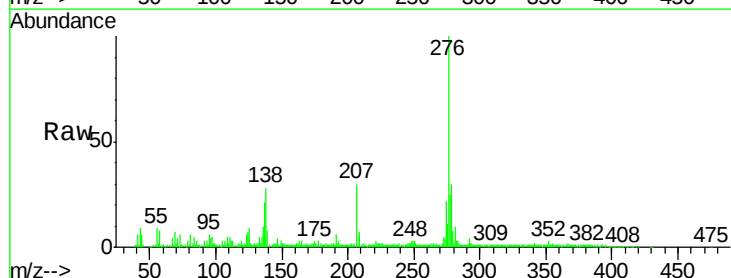
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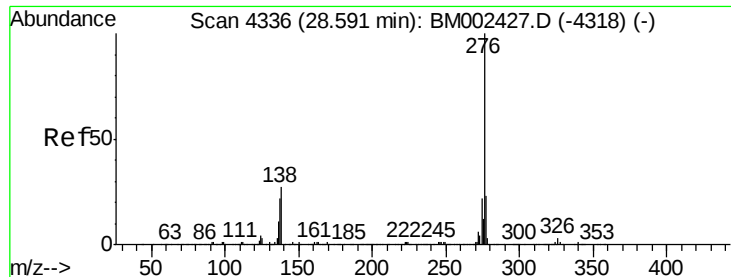
Tot Ion:276 Resp: 381520
 Ion Ratio Lower Upper
 276 100
 138 26.4 25.3 37.9
 277 25.4 20.2 30.2



#28
 Dibenzo(a,h)anthracene
 Concen: 4.06 ng/ul
 RT: 27.73 min Scan# 4189
 Delta R.T. 0.01 min
 Lab File: BM002439.D
 Acq: 15 Aug 2015 23:53

Tgt Ion:278 Resp: 124916
 Ion Ratio Lower Upper
 278 100
 139 25.6 16.5 24.7#
 279 25.6 18.8 28.2





#29

Benzo(a,h,i)perylene

Concen: 11.92 ng/ul

RT: 28.62 min Scan# 4341

Delta R.T. 0.03 min

Lab File: BM002439.D

Acq: 15 Aug 2015 23:53

Instrument :

BNA_M

ClientSampleId :

D9DB8

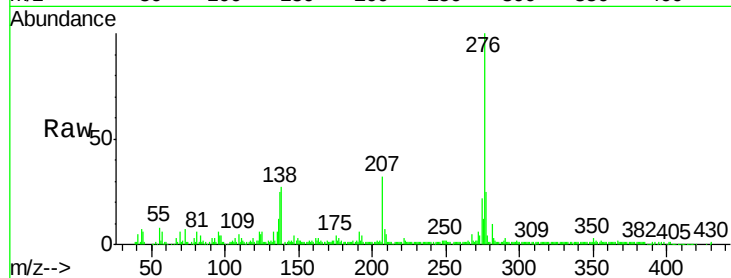
Tot Ion:276 Resp: 365280

Ion Ratio Lower Upper

276 100

138 27.4 21.0 31.6

277 24.7 19.2 28.8



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

