

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002428.D
 Acq On : 15 Aug 2015 17:11
 Operator : UM/IZ
 Sample : G3194-16
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 05:17:18 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	179512	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	800503	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	413776	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	801092	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	546515	20.00	ng/ul	0.00
22) Perylene-d12	24.90	264	493042	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.16	160	1012549	23.93	ng/ul	0.00
10) Fluorene-d10	16.42	176	660655	22.23	ng/ul	0.00
14) Anthracene-d10	18.25	188	915462	23.69	ng/ul	0.00
18) Pyrene-d10	20.47	212	771332	31.84	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.73	264	599497	23.15	ng/ul	0.00

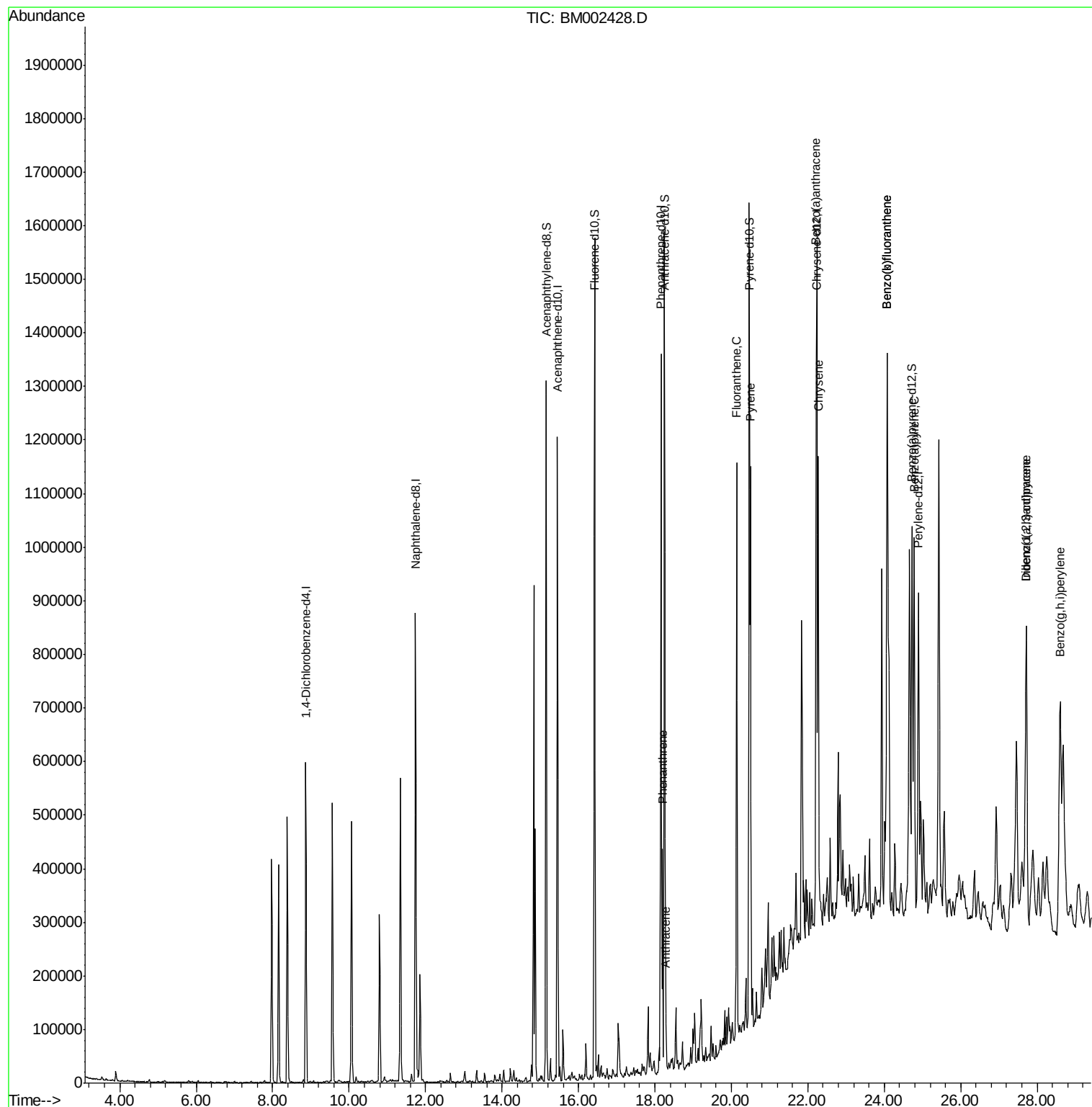
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Phenanthrene	18.20	178	256529	5.55	ng/ul	100
15) Anthracene	18.29	178	49214	1.05	ng/ul	99
16) Fluoranthene	20.14	202	671741	12.83	ng/ul	99
19) Pyrene	20.50	202	584441	18.25	ng/ul	99
20) Benzo(a)anthracene	22.22	228	455391	13.93	ng/ul	99
21) Chrysene	22.27	228	539821	17.66	ng/ul	99
23) Benzo(b)fluoranthene	24.07	252	1021940	34.29	ng/ul	99
24) Benzo(k)fluoranthene	24.07	252	320874	11.36	ng/ul	99
26) Benzo(a)pyrene	24.78	252	584755	20.54	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.71	276	571298	17.45	ng/ul	94
28) Dibenzo(a,h)anthracene	27.71	278	185107	6.76	ng/ul#	94
29) Benzo(g,h,i)perylene	28.60	276	587694	21.56	ng/ul	100

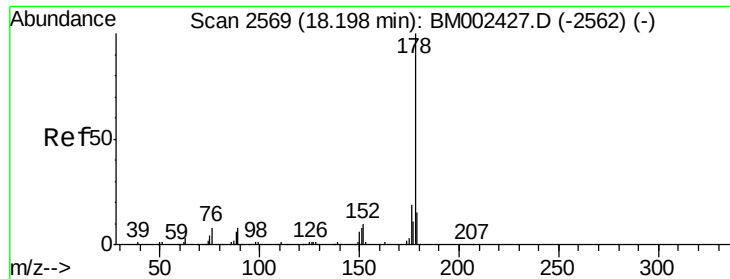
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 5.55 ng/ul

RT: 18.20 min Scan# 2569

Delta R.T. 0.00 min

Lab File: BM002428.D

Acq: 15 Aug 2015 17:11

Instrument :

BNA_M

ClientSampleId :

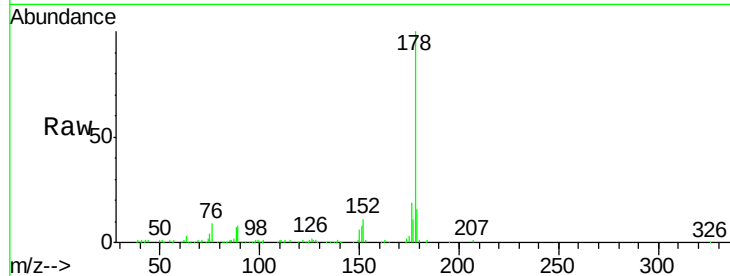
Tot Ion:178 Resp: 256529

Ion Ratio Lower Upper

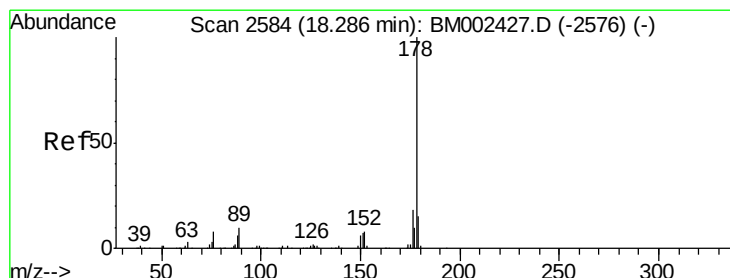
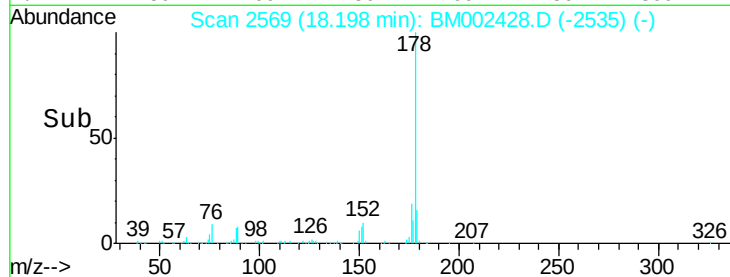
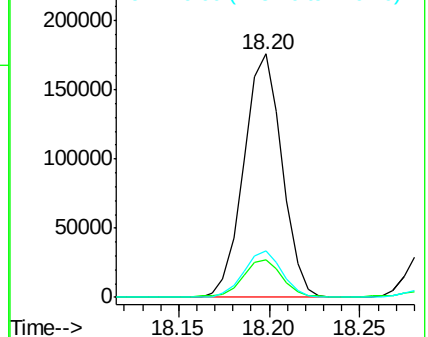
178 100

179 15.6 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: 1.05 ng/ul

RT: 18.29 min Scan# 2584

Delta R.T. 0.00 min

Lab File: BM002428.D

Acq: 15 Aug 2015 17:11

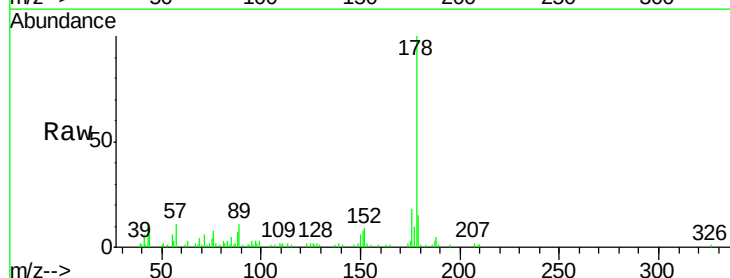
Tgt Ion:178 Resp: 49214

Ion Ratio Lower Upper

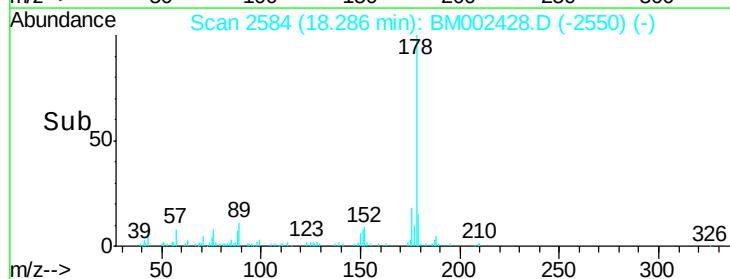
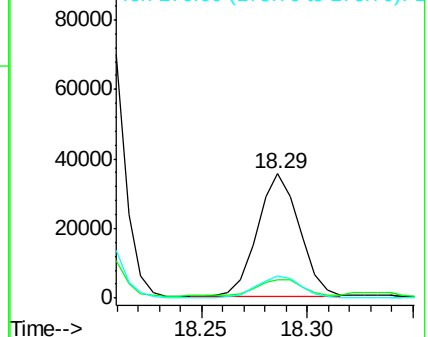
178 100

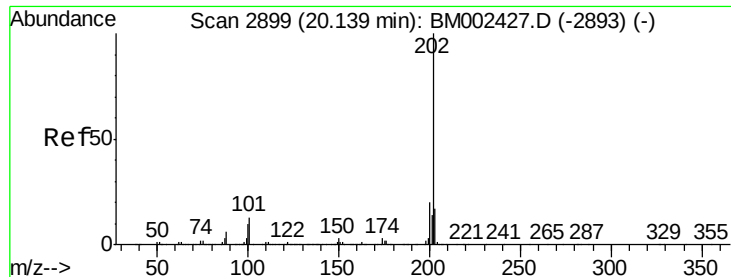
179 15.1 12.6 18.8

176 18.3 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

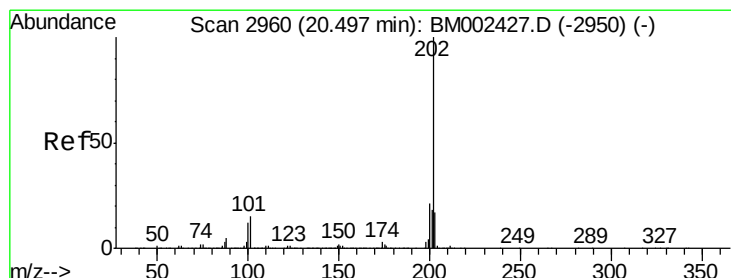
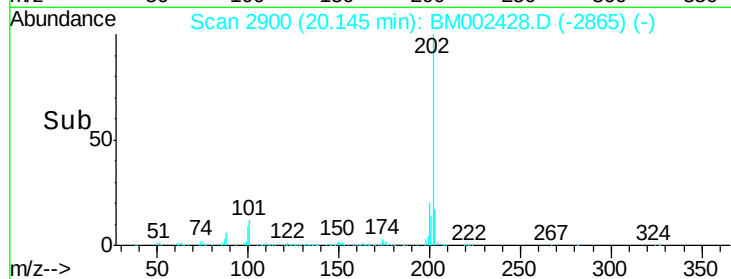
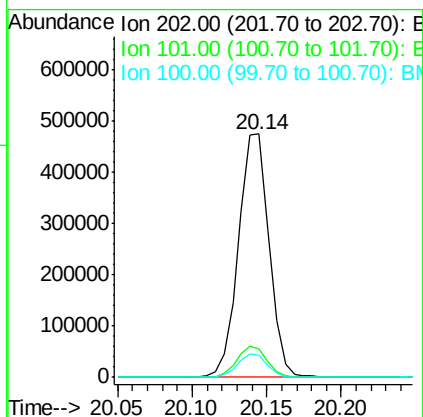
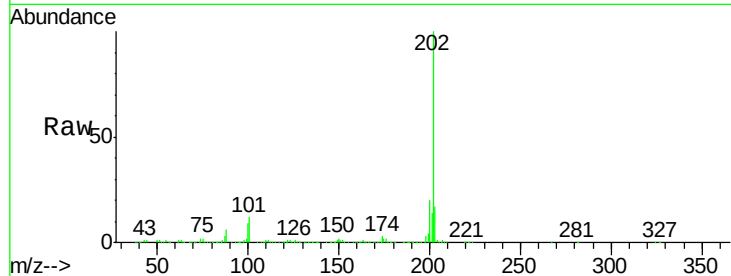




#16
 Fluoranthene
 Concen: 12.83 ng/ul
 RT: 20.14 min Scan# 2900
 Delta R.T. 0.01 min
 Lab File: BM002428.D
 Acq: 15 Aug 2015 17:11

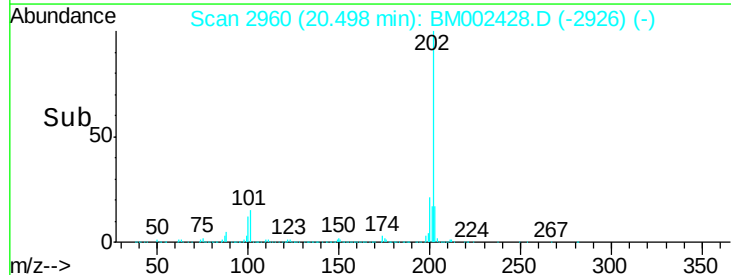
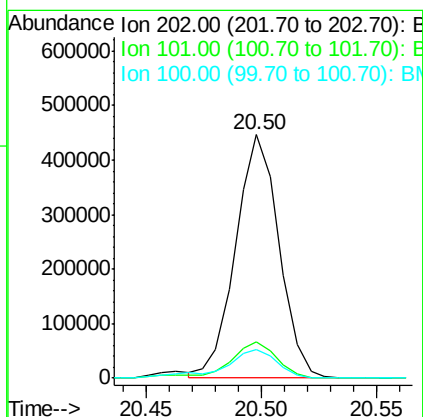
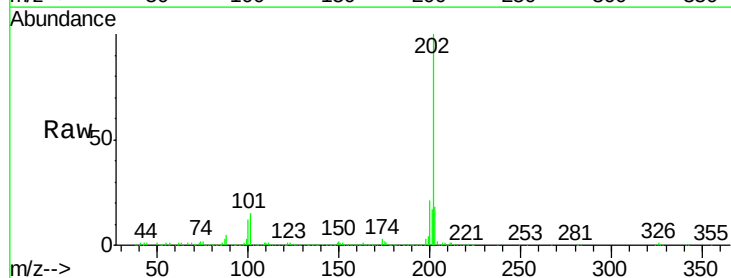
Instrument :
 BNA_M
 ClientSampleId :

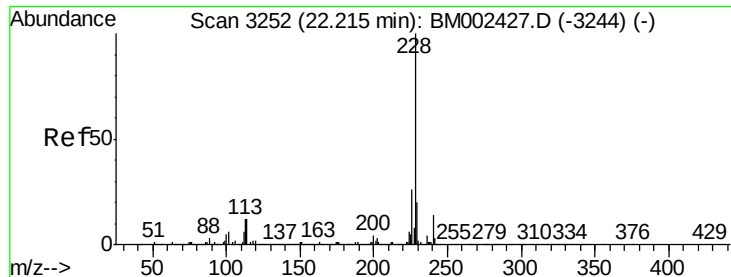
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.7	14.5
100	9.0	7.4	11.2



#19
 Pyrene
 Concen: 18.25 ng/ul
 RT: 20.50 min Scan# 2960
 Delta R.T. 0.00 min
 Lab File: BM002428.D
 Acq: 15 Aug 2015 17:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.1	12.0	18.0
100	11.7	9.7	14.5





#20

Benzo(a)anthracene

Concen: 13.93 ng/ul

RT: 22.22 min Scan# 3252

Delta R.T. 0.00 min

Lab File: BM002428.D

Acq: 15 Aug 2015 17:11

Instrument :

BNA_M

ClientSampled :

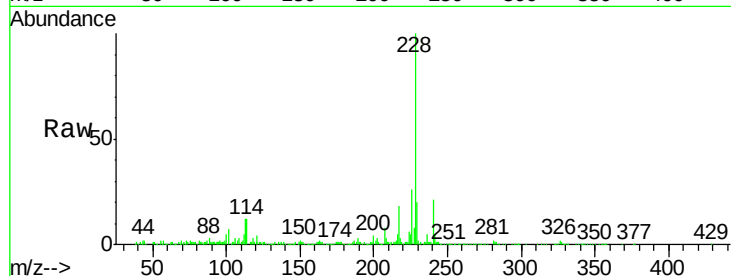
Tot Ion:228 Resp: 455391

Ion Ratio Lower Upper

228 100

229 20.4 15.8 23.6

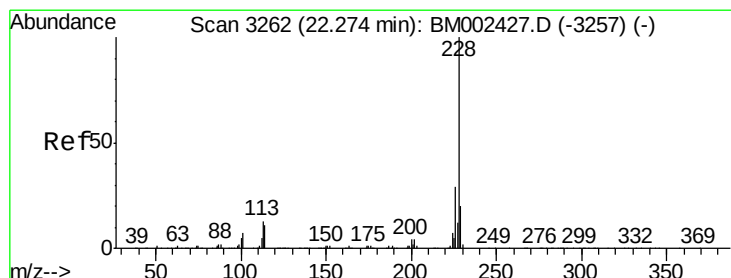
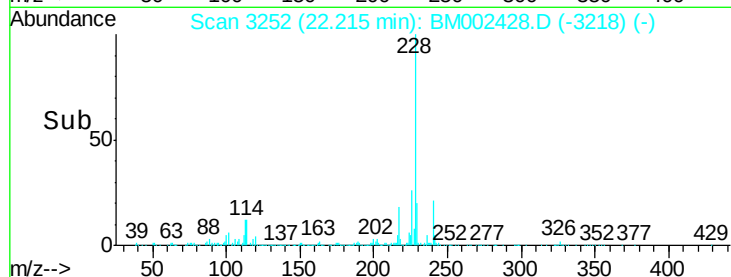
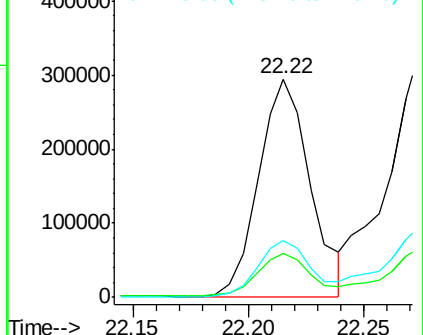
226 26.1 21.1 31.7



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: 17.66 ng/ul

RT: 22.27 min Scan# 3262

Delta R.T. 0.00 min

Lab File: BM002428.D

Acq: 15 Aug 2015 17:11

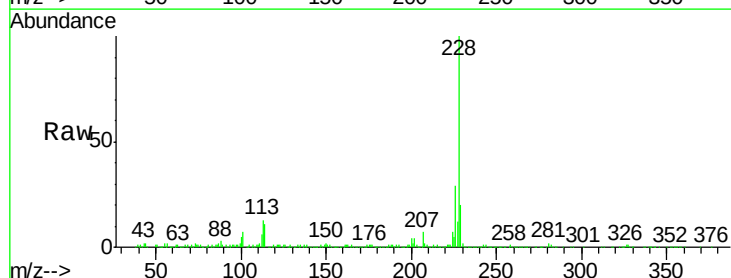
Tgt Ion:228 Resp: 539821

Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

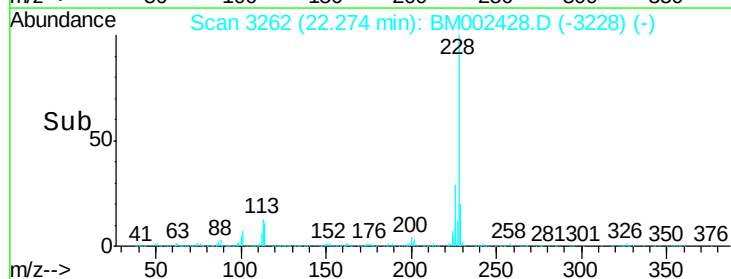
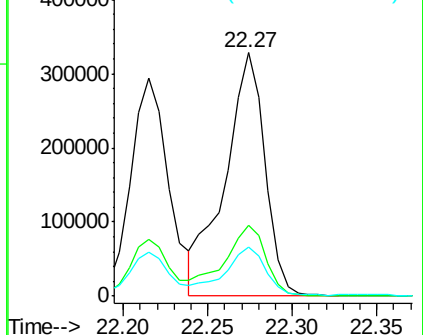
229 20.4 15.7 23.5

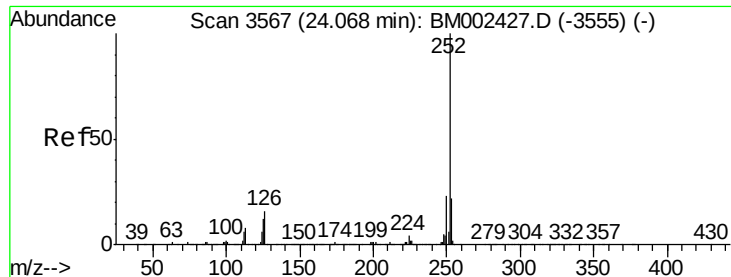


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 34.29 ng/ul

RT: 24.07 min Scan# 3568

Delta R.T. 0.01 min

Lab File: BM002428.D

Acq: 15 Aug 2015 17:11

Instrument :

BNA_M

ClientSampled :

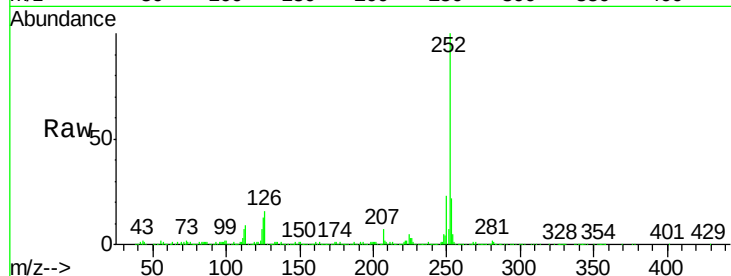
Tot Ion:252 Resp: 1021940

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

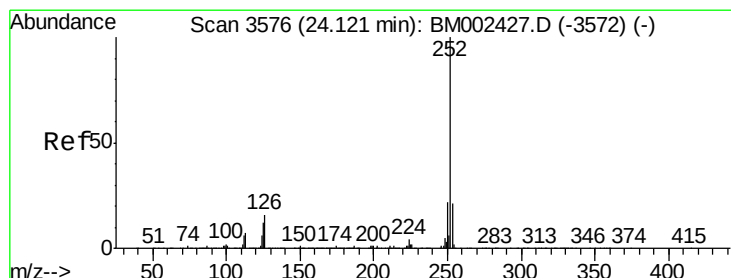
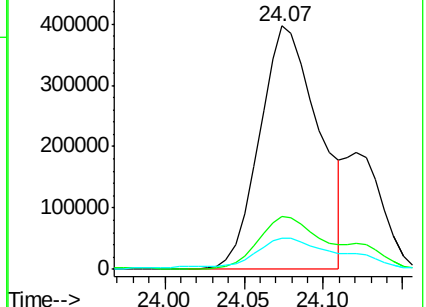
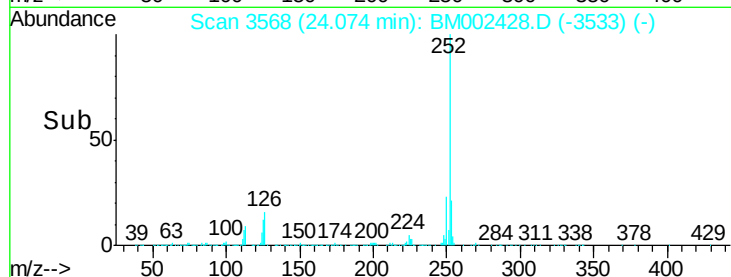
125 12.9 10.0 15.0



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: 11.36 ng/ul

RT: 24.07 min Scan# 3568

Delta R.T. -0.05 min

Lab File: BM002428.D

Acq: 15 Aug 2015 17:11

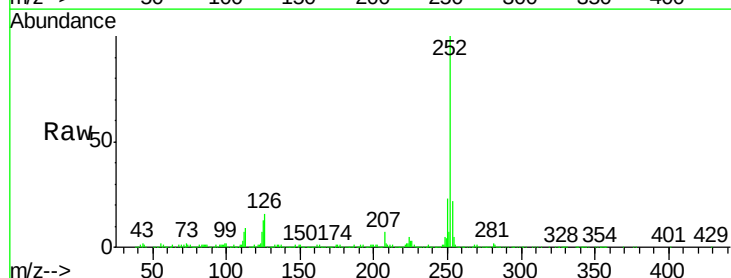
Tgt Ion:252 Resp: 320874

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

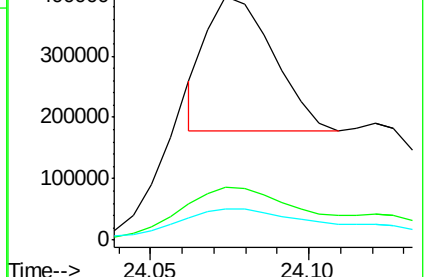
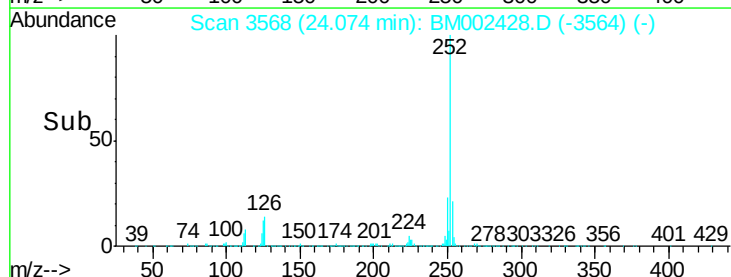
125 12.9 9.8 14.8

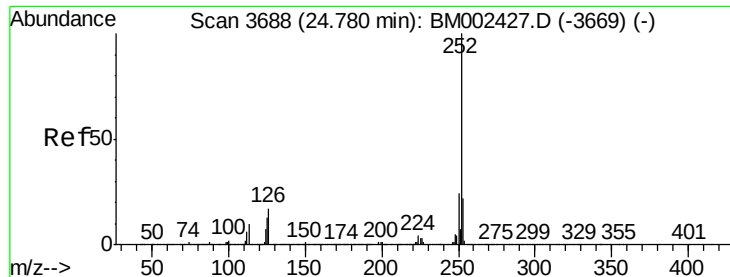


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 20.54 ng/ul

RT: 24.78 min Scan# 3688

Delta R.T. 0.00 min

Lab File: BM002428.D

Acq: 15 Aug 2015 17:11

Instrument :

BNA_M

ClientSampleId :

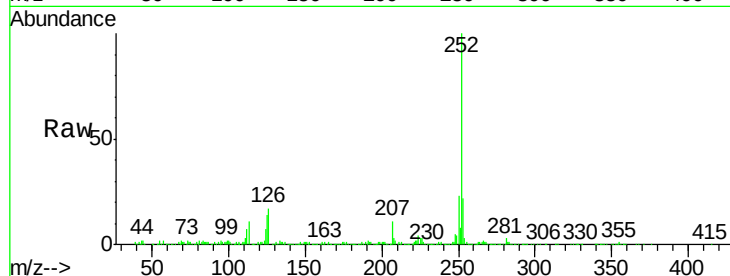
Tot Ion:252 Resp: 584755

Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

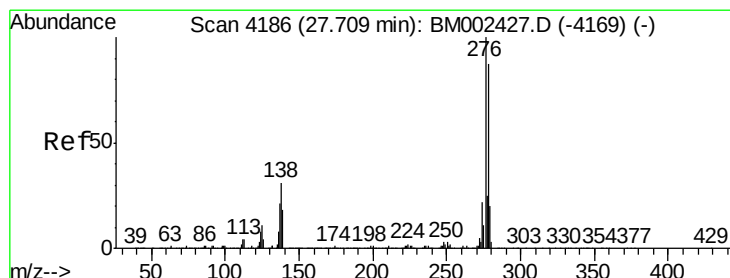
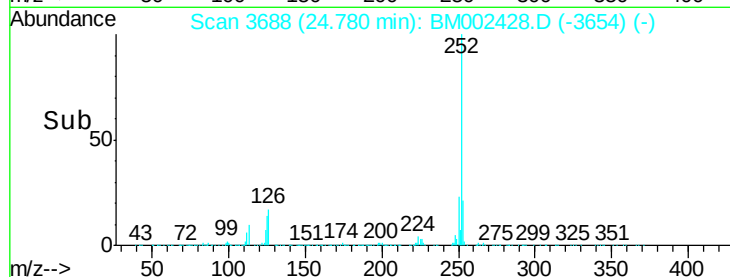
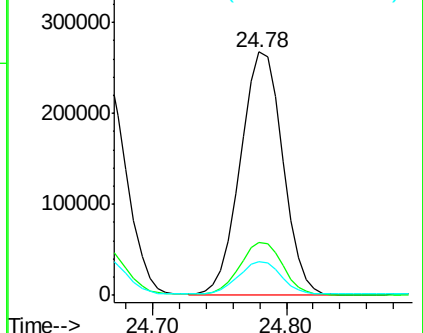
125 14.1 10.7 16.1



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: 17.45 ng/ul

RT: 27.71 min Scan# 4187

Delta R.T. 0.01 min

Lab File: BM002428.D

Acq: 15 Aug 2015 17:11

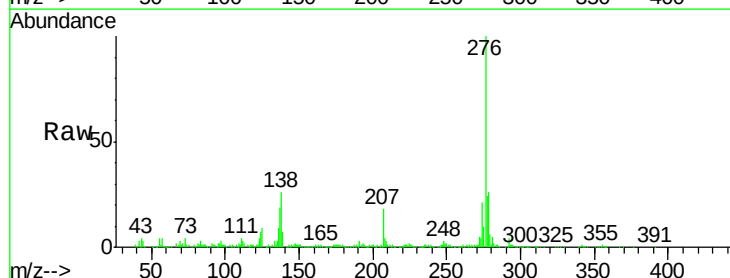
Tgt Ion:276 Resp: 571298

Ion Ratio Lower Upper

276 100

138 26.3 25.3 37.9

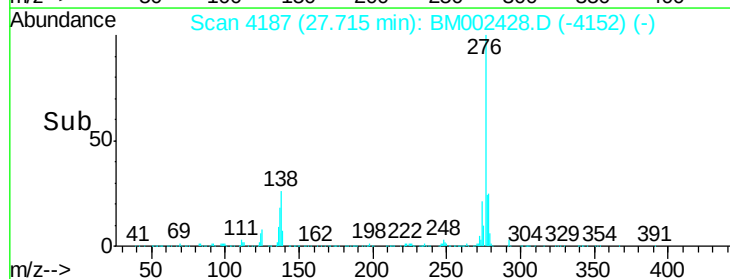
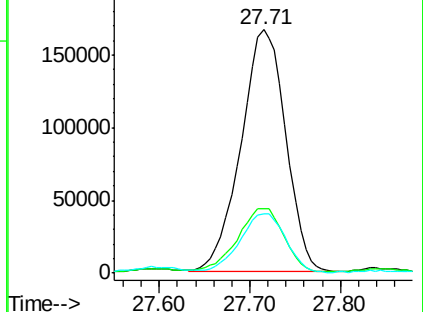
277 24.4 20.2 30.2

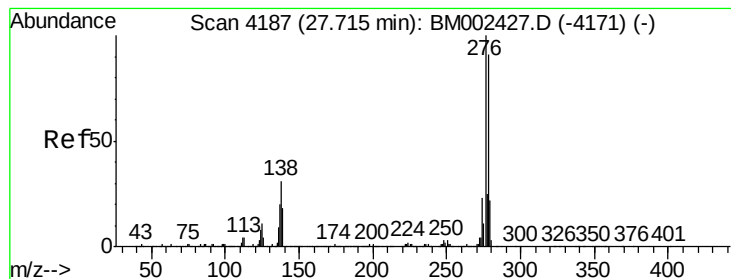


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 6.76 ng/ul

RT: 27.71 min Scan# 4186

Delta R.T. -0.01 min

Lab File: BM002428.D

Acq: 15 Aug 2015 17:11

Instrument :

BNA_M

ClientSampleId :

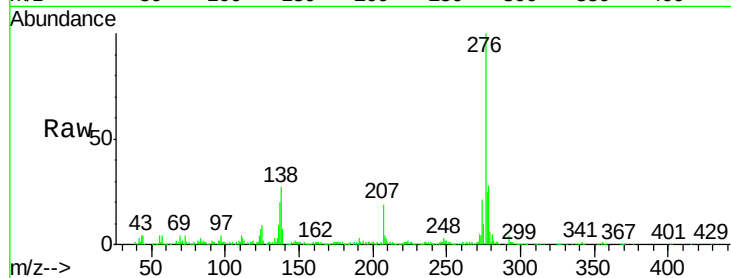
Tot Ion:278 Resp: 185107

Ion Ratio Lower Upper

278 100

139 26.2 16.5 24.7#

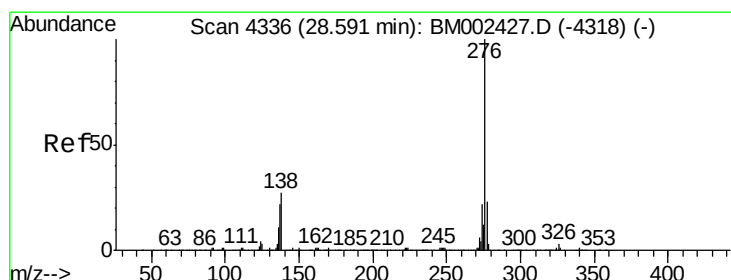
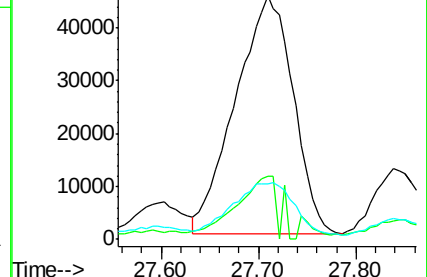
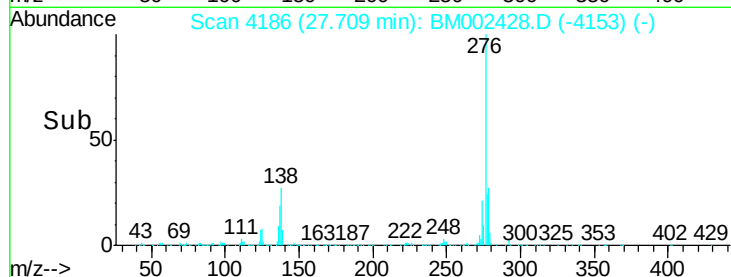
279 22.8 18.8 28.2



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



#29

Benzo(g,h,i)perylene

Concen: 21.56 ng/ul

RT: 28.60 min Scan# 4338

Delta R.T. 0.01 min

Lab File: BM002428.D

Acq: 15 Aug 2015 17:11

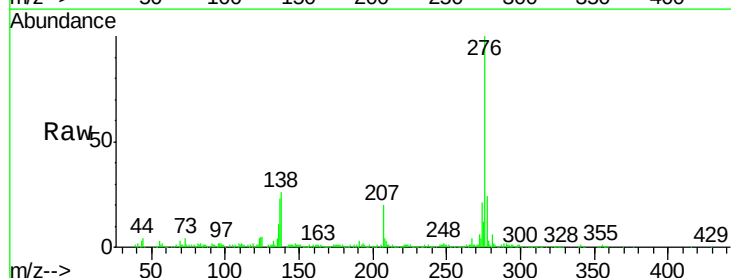
Tgt Ion:276 Resp: 587694

Ion Ratio Lower Upper

276 100

138 25.9 21.0 31.6

277 24.0 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

