

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
 Data File : BM002567.D
 Acq On : 29 Aug 2015 16:41
 Operator : UM/IZ
 Sample : G3455-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9E75

Quant Time: Aug 31 01:11:54 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 31 01:07:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	146000	20.00	ng/ul	0.00
2) Naphthalene-d8	11.64	136	628054	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.36	164	276902	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.07	188	480930	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	442595	20.00	ng/ul	0.00
22) Perylene-d12	24.77	264	455840	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.07	160	415678	14.68	ng/ul	0.00
10) Fluorene-d10	16.33	176	255301	12.84	ng/ul	0.00
14) Anthracene-d10	18.17	188	335706	14.47	ng/ul	0.00
18) Pyrene-d10	20.39	212	272066	13.87	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.60	264	254573	10.63	ng/ul	0.00

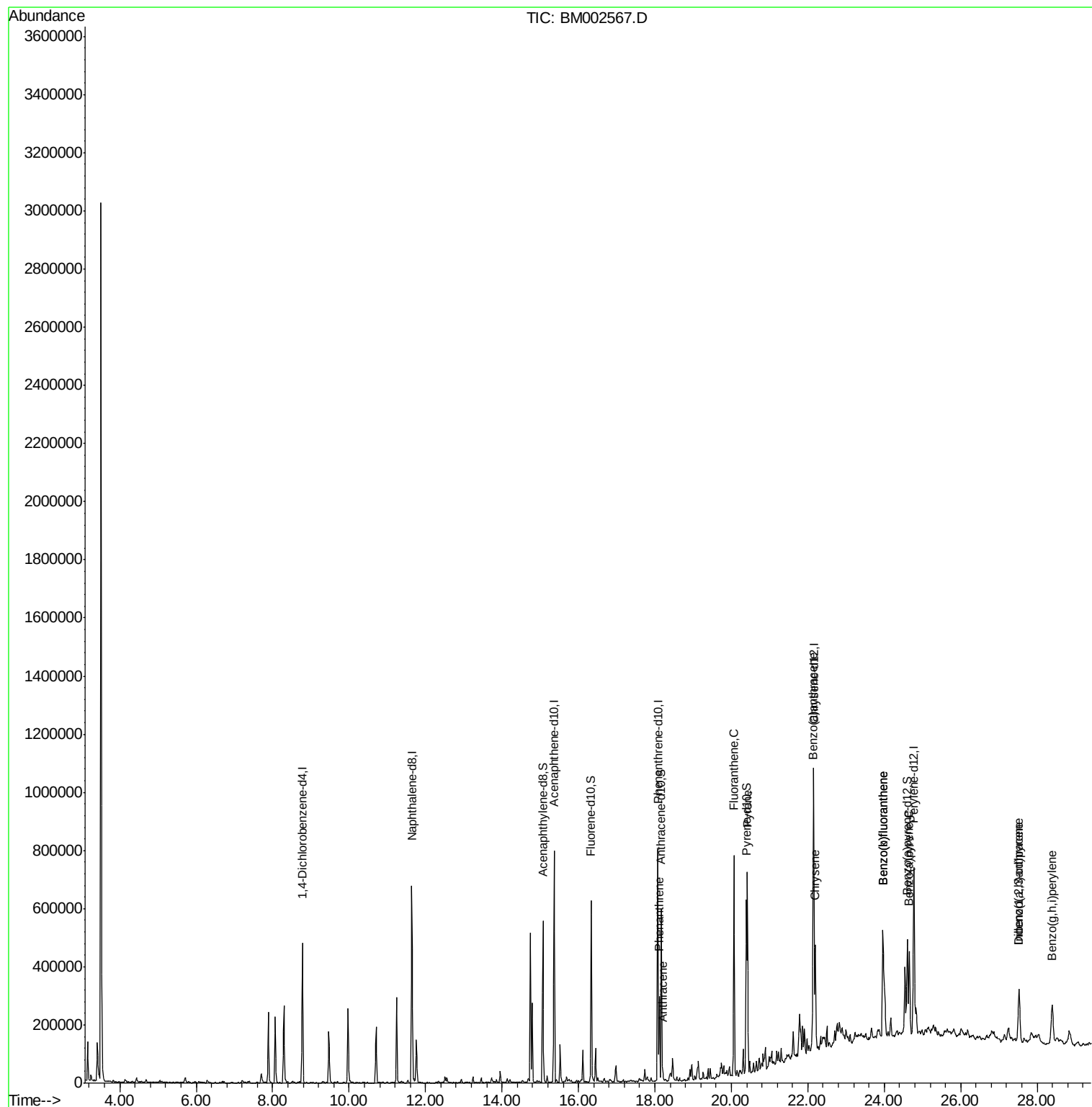
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Phenanthrene	18.12	178	179559	6.47	ng/ul	99
15) Anthracene	18.20	178	32007	1.14	ng/ul	99
16) Fluoranthene	20.06	202	466224	14.83	ng/ul	97
19) Pyrene	20.42	202	394536	15.22	ng/ul	98
20) Benzo(a)anthracene	22.14	228	210862	7.97	ng/ul	99
21) Chrysene	22.19	228	222453	8.99	ng/ul	96
23) Benzo(b)fluoranthene	23.97	252	348393	12.64	ng/ul	98
24) Benzo(k)fluoranthene	23.97	252	90635	3.47	ng/ul	98
26) Benzo(a)pyrene	24.66	252	222086	8.44	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.53	276	183665	6.07	ng/ul	95
28) Dibenzo(a,h)anthracene	27.53	278	44068	1.74	ng/ul#	77
29) Benzo(g,h,i)perylene	28.39	276	180510	7.16	ng/ul	97

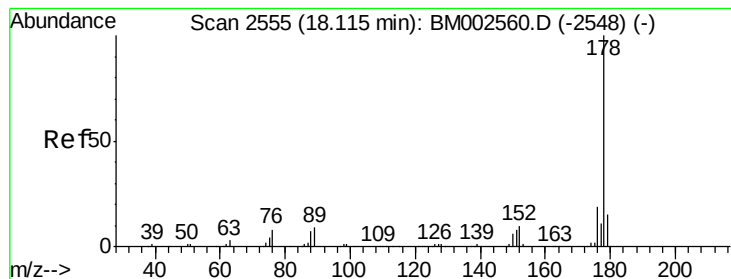
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 6.47 ng/ul

RT: 18.12 min Scan# 2555

Delta R.T. -0.00 min

Lab File: BM002567.D

Acq: 29 Aug 2015 16:41

Instrument :

BNA_M

ClientSampleId :

D9E75

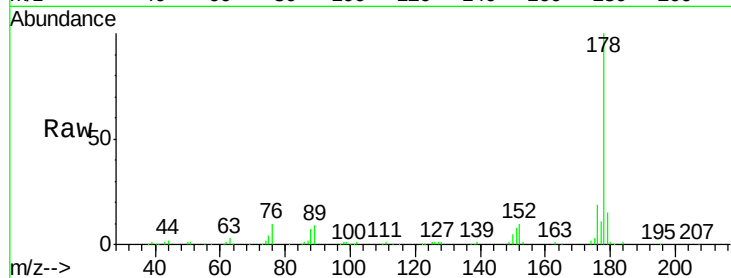
Tgt Ion:178 Resp: 179559

Ion Ratio Lower Upper

178 100

179 15.1 12.4 18.6

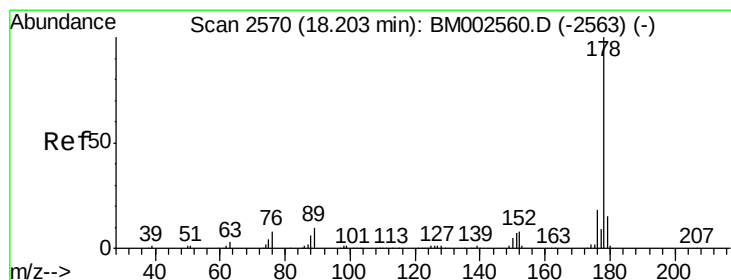
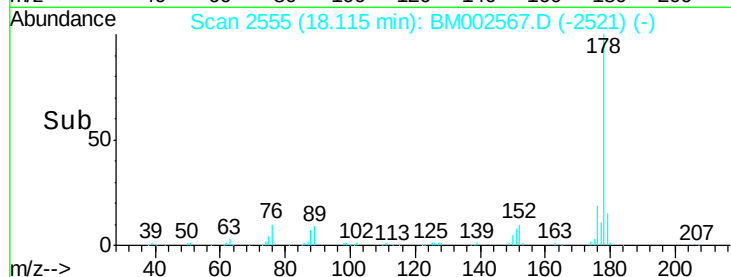
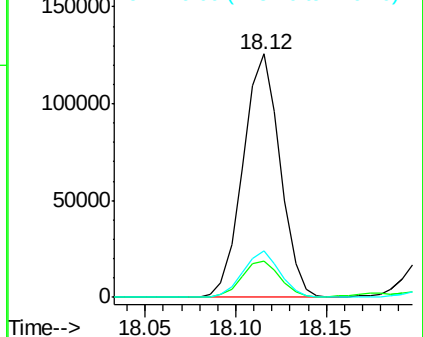
176 19.0 15.1 22.7



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: 1.14 ng/ul

RT: 18.20 min Scan# 2570

Delta R.T. -0.00 min

Lab File: BM002567.D

Acq: 29 Aug 2015 16:41

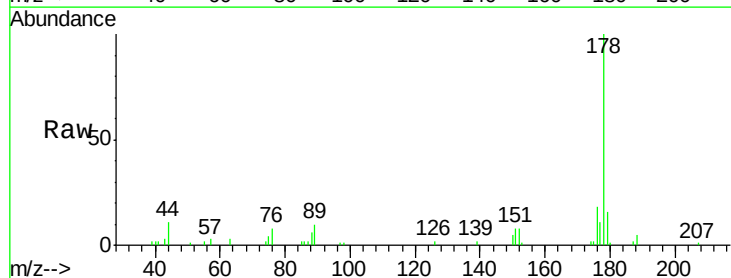
Tgt Ion:178 Resp: 32007

Ion Ratio Lower Upper

178 100

179 16.1 12.6 18.8

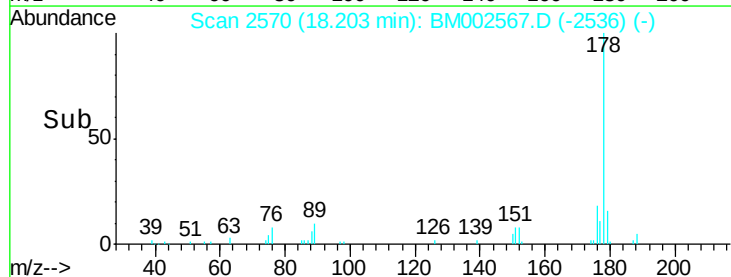
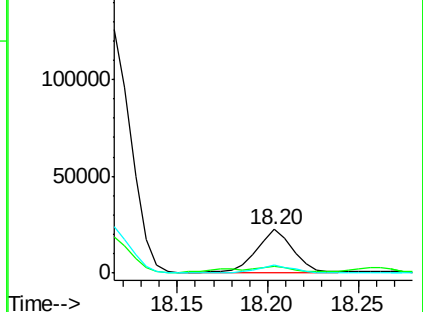
176 17.6 14.5 21.7

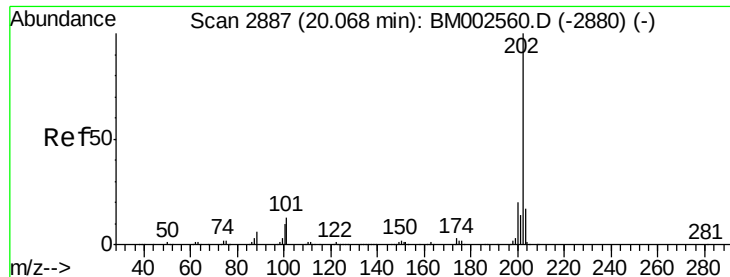


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

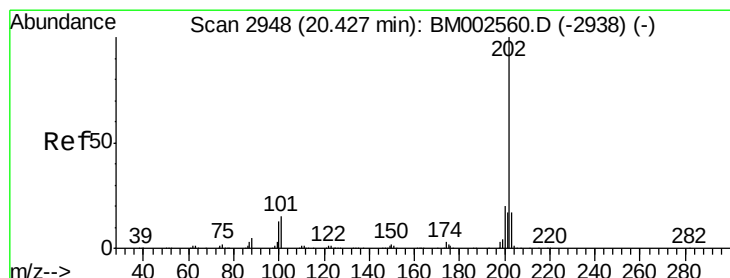
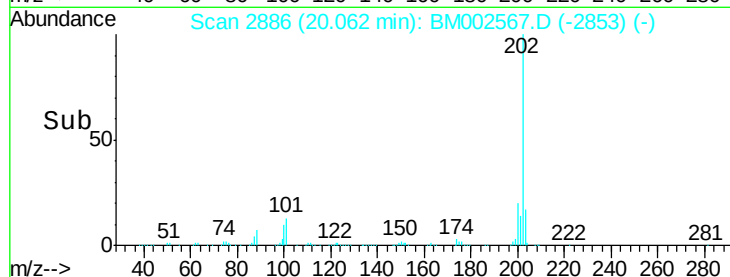
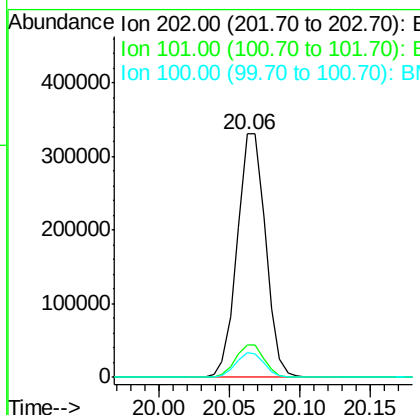
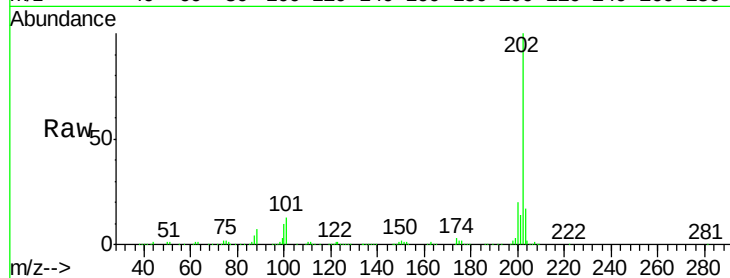




#16
Fluoranthene
Concen: 14.83 ng/ul
RT: 20.06 min Scan# 2886
Delta R.T. -0.01 min
Lab File: BM002567.D
Acq: 29 Aug 2015 16:41

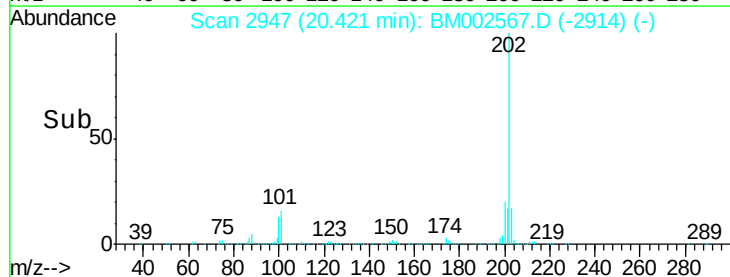
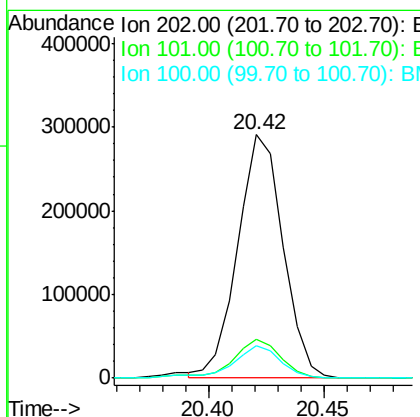
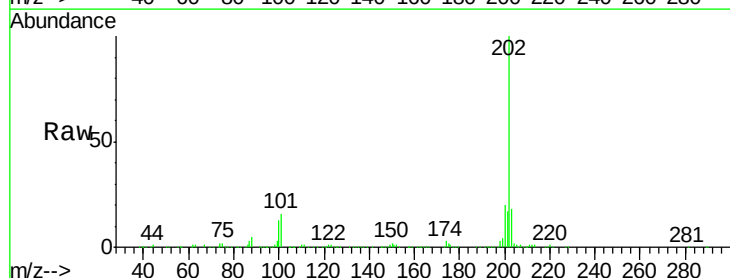
Instrument :
BNA_M
ClientSampleId :
D9E75

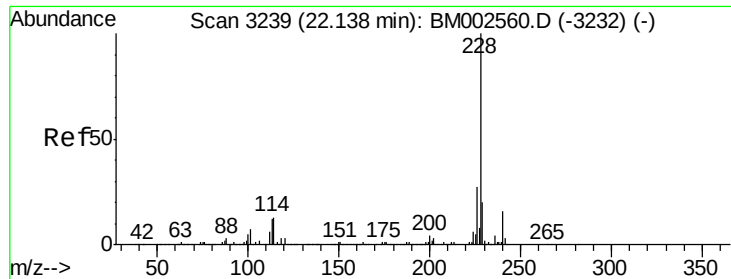
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	9.7	14.5
100	10.4	7.4	11.2



#19
Pyrene
Concen: 15.22 ng/ul
RT: 20.42 min Scan# 2947
Delta R.T. -0.01 min
Lab File: BM002567.D
Acq: 29 Aug 2015 16:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.0	12.0	18.0
100	13.1	9.7	14.5

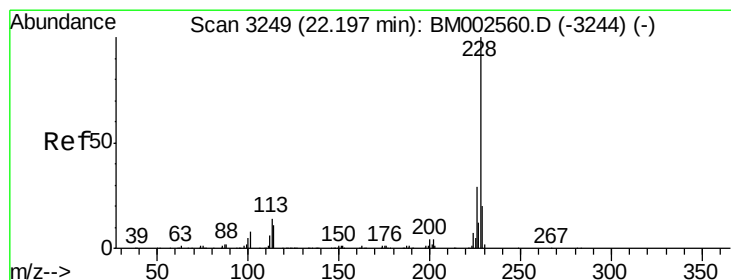
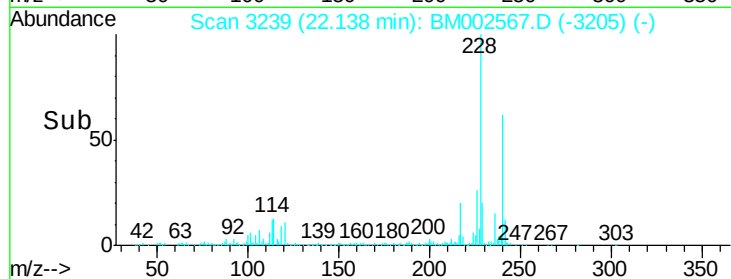
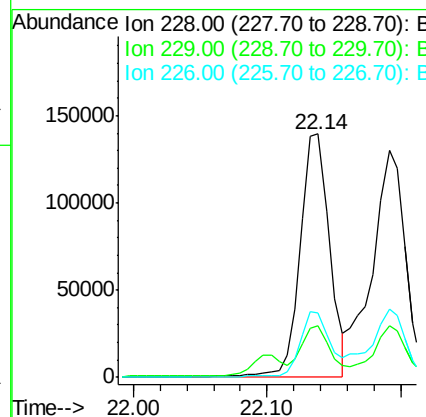
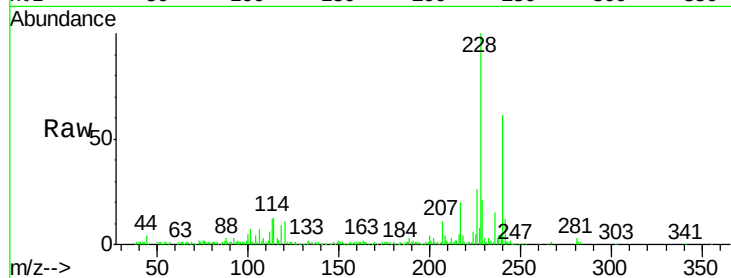




#20
Benzo(a)anthracene
Concen: 7.97 ng/ul
RT: 22.14 min Scan# 3239
Delta R.T. -0.00 min
Lab File: BM002567.D
Acq: 29 Aug 2015 16:41

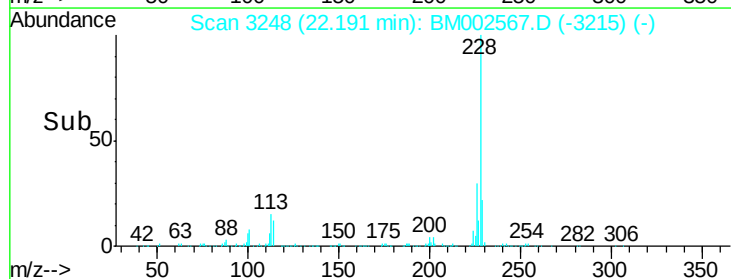
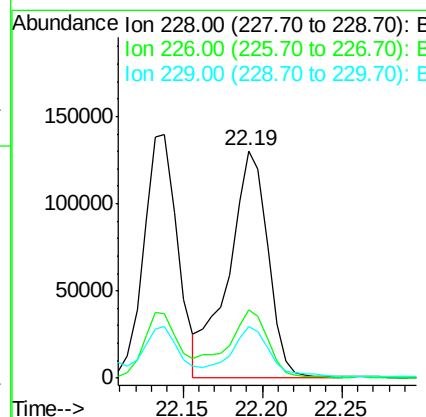
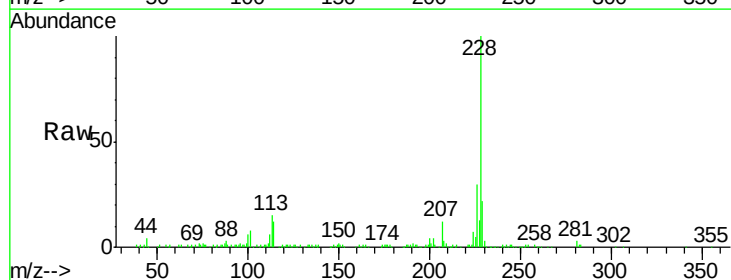
Instrument :
BNA_M
ClientSampled :
D9E75

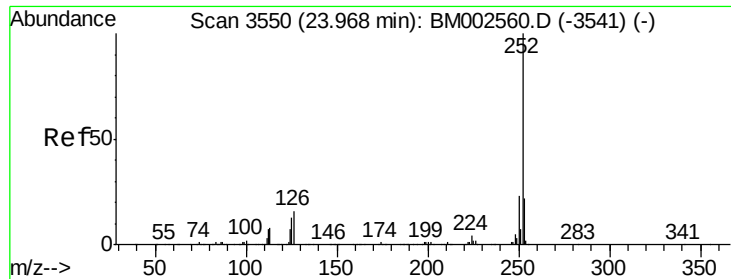
Tgt Ion:228 Resp: 210862
Ion Ratio Lower Upper
228 100
229 21.0 15.8 23.6
226 26.5 21.1 31.7



#21
Chrysene
Concen: 8.99 ng/ul
RT: 22.19 min Scan# 3248
Delta R.T. -0.01 min
Lab File: BM002567.D
Acq: 29 Aug 2015 16:41

Tgt Ion:228 Resp: 222453
Ion Ratio Lower Upper
228 100
226 30.2 23.4 35.2
229 22.5 15.7 23.5





#23

Benzo(b)fluoranthene

Concen: 12.64 ng/ul

RT: 23.97 min Scan# 3550

Delta R.T. -0.00 min

Lab File: BM002567.D

Acq: 29 Aug 2015 16:41

Instrument :

BNA_M

ClientSampleId :

D9E75

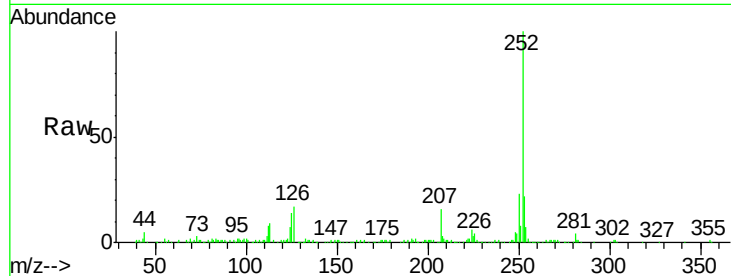
Tgt Ion:252 Resp: 348393

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

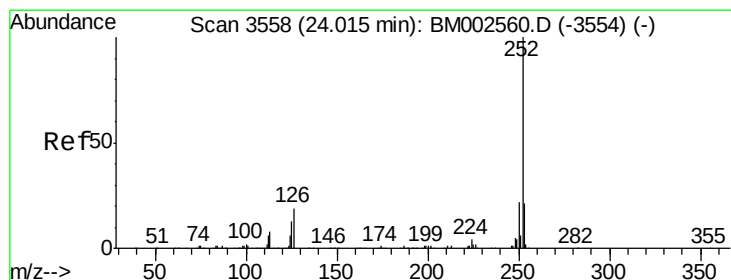
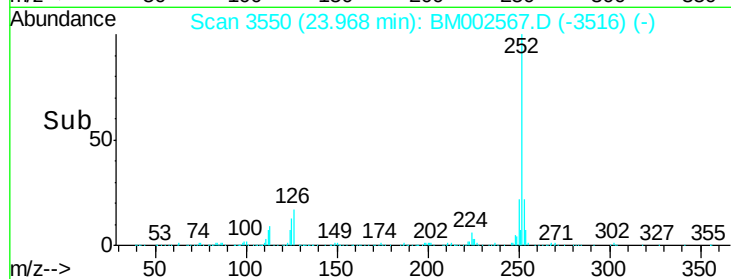
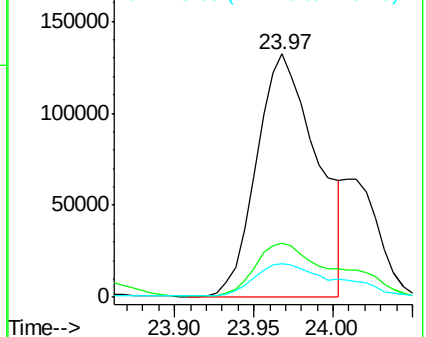
125 13.9 10.0 15.0



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: 3.47 ng/ul

RT: 23.97 min Scan# 3550

Delta R.T. -0.05 min

Lab File: BM002567.D

Acq: 29 Aug 2015 16:41

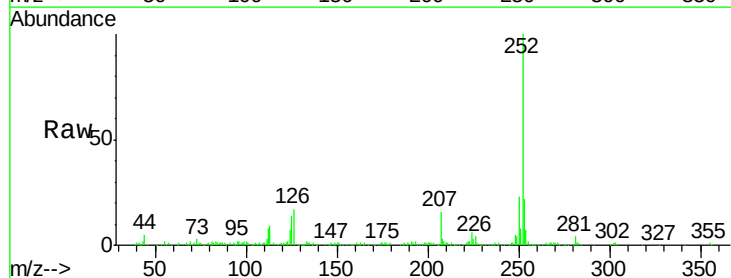
Tgt Ion:252 Resp: 90635

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

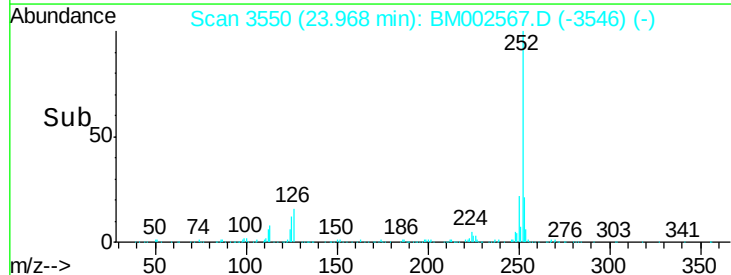
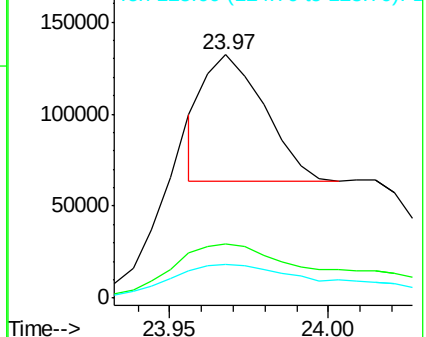
125 13.9 9.8 14.8

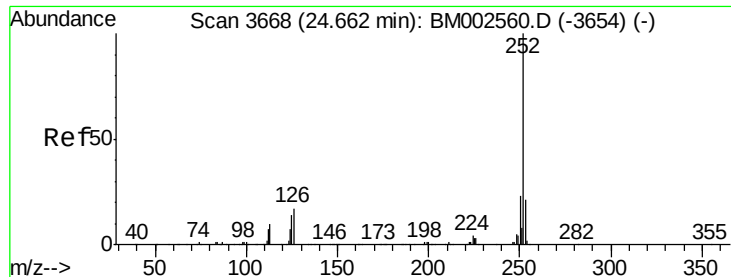


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 8.44 ng/ul

RT: 24.66 min Scan# 3668

Delta R.T. -0.00 min

Lab File: BM002567.D

Acq: 29 Aug 2015 16:41

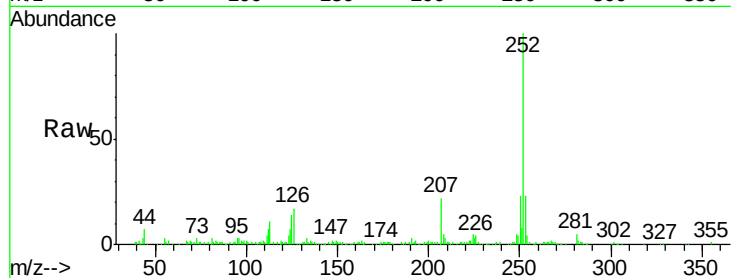
Instrument :

BNA_M

ClientSampleId :

D9E75

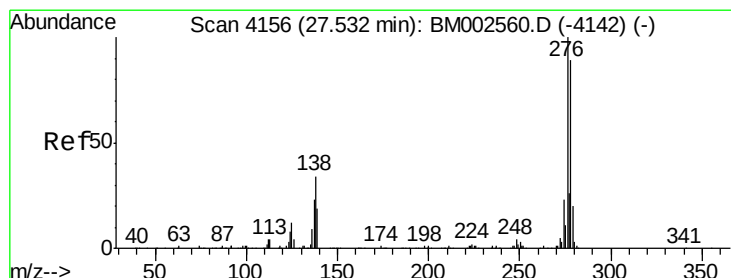
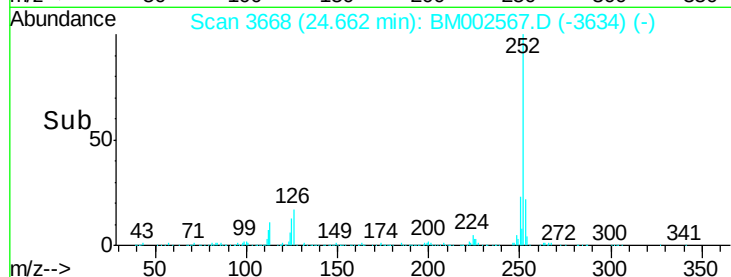
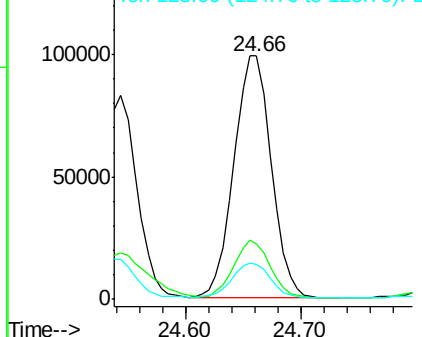
Tgt Ion:	252	Resp:	222086
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	14.2	10.7	16.1



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: 6.07 ng/ul

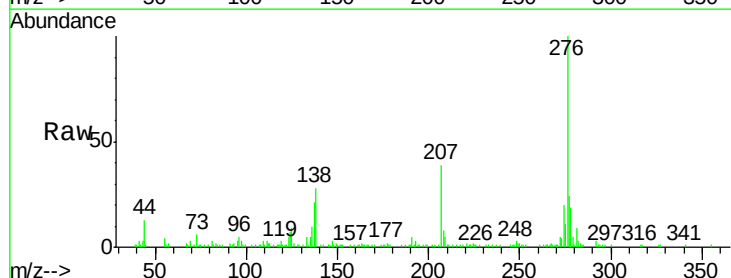
RT: 27.53 min Scan# 4156

Delta R.T. -0.00 min

Lab File: BM002567.D

Acq: 29 Aug 2015 16:41

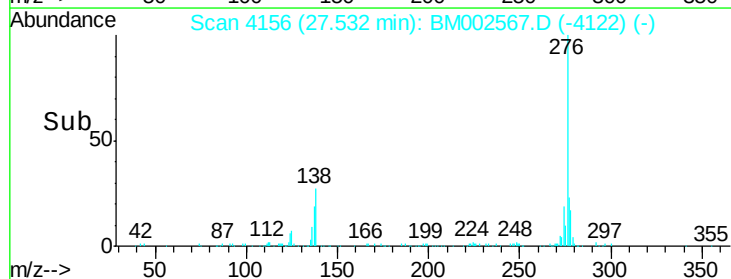
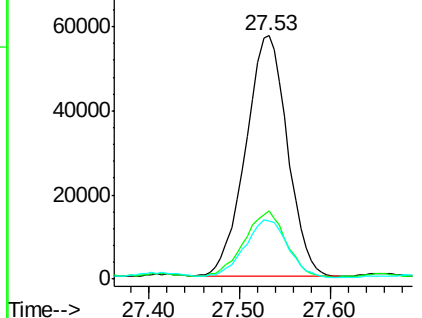
Tgt Ion:	276	Resp:	183665
Ion	Ratio	Lower	Upper
276	100		
138	27.9	25.3	37.9
277	24.0	20.2	30.2

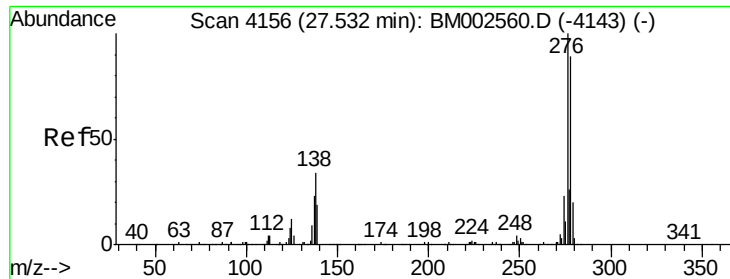


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 1.74 ng/ul

RT: 27.53 min Scan# 4155

Delta R.T. -0.01 min

Lab File: BM002567.D

Acq: 29 Aug 2015 16:41

Instrument :

BNA_M

ClientSampleId :

D9E75

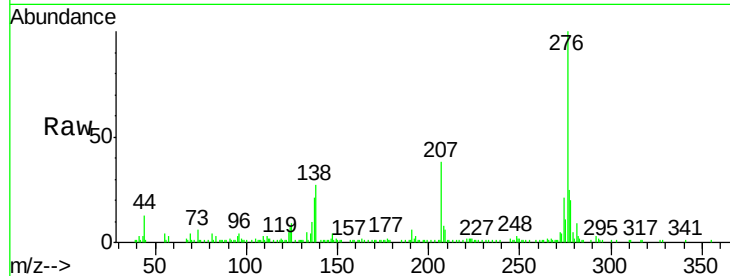
Tgt Ion:278 Resp: 44068

Ion Ratio Lower Upper

278 100

139 0.0 16.5 24.7#

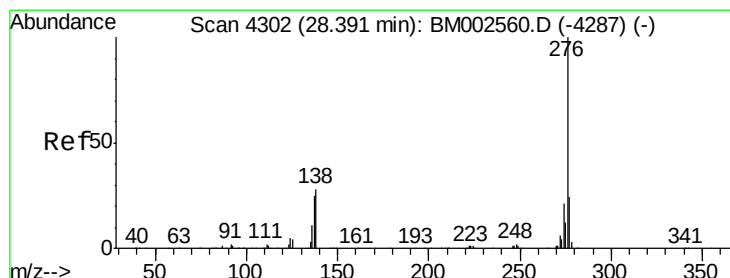
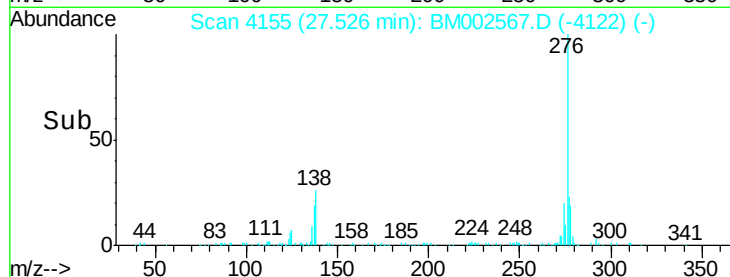
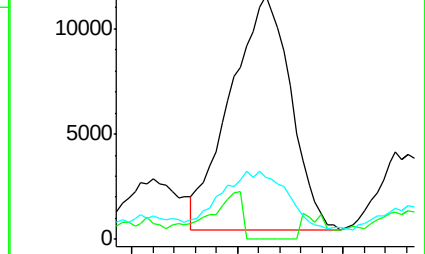
279 25.5 18.8 28.2



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: 7.16 ng/ul

RT: 28.39 min Scan# 4302

Delta R.T. -0.00 min

Lab File: BM002567.D

Acq: 29 Aug 2015 16:41

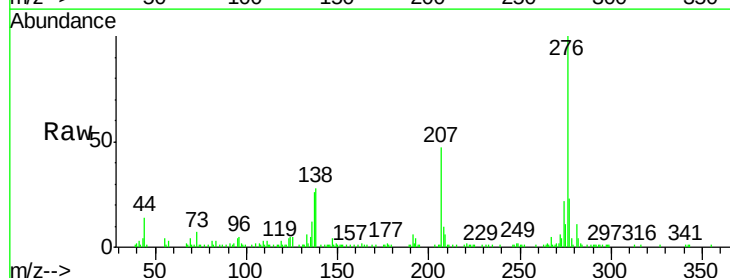
Tgt Ion:276 Resp: 180510

Ion Ratio Lower Upper

276 100

138 28.4 21.0 31.6

277 23.4 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

