

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002435.D
 Acq On : 15 Aug 2015 21:27
 Operator : UM/IZ
 Sample : G3219-01
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9D94

Quant Time: Aug 17 05:18:28 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	174258	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	800957	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	431418	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	804489	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	535611	20.00	ng/ul	0.00
22) Perylene-d12	24.91	264	515641	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.16	160	1174853	26.64	ng/ul	0.00
10) Fluorene-d10	16.43	176	759117	24.50	ng/ul	0.00
14) Anthracene-d10	18.26	188	961411	24.77	ng/ul	0.00
18) Pyrene-d10	20.47	212	777068	32.73	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.73	264	585669	21.62	ng/ul	0.01

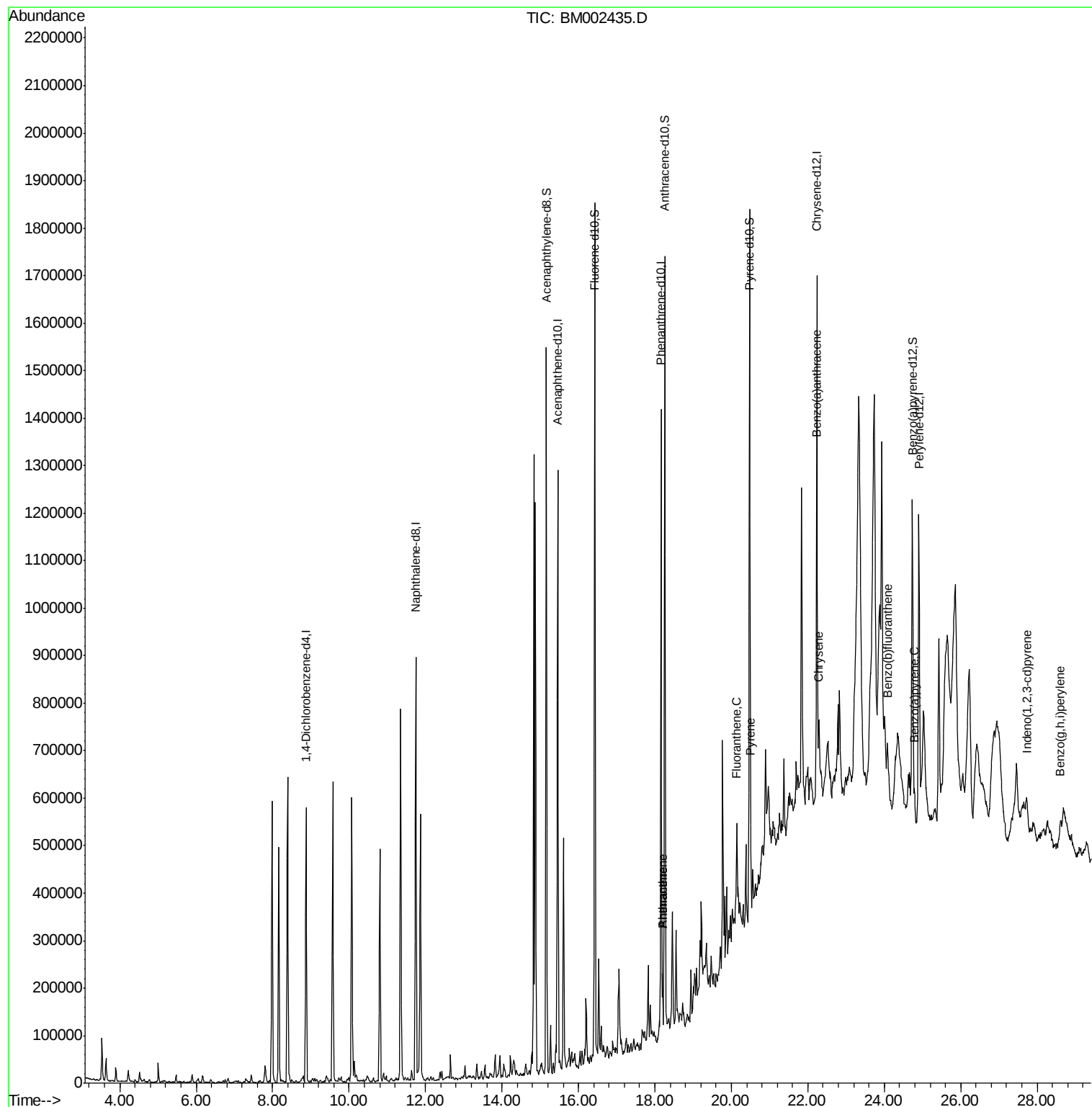
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Phenanthrene	18.20	178	79031	1.70	ng/ul	99
15) Anthracene	18.20	178	79658	1.69	ng/ul	98
16) Fluoranthene	20.14	202	112756	2.14	ng/ul	97
19) Pyrene	20.50	202	102784	3.28	ng/ul	100
20) Benzo(a)anthracene	22.22	228	51266	1.60	ng/ul#	86
21) Chrysene	22.27	228	54867	1.83	ng/ul#	90
23) Benzo(b)fluoranthene	24.08	252	99147	3.18	ng/ul#	84
26) Benzo(a)pyrene	24.79	252	49879	1.68	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	27.73	276	40173	1.17	ng/ul#	89
29) Benzo(g,h,i)perylene	28.61	276	50111	1.76	ng/ul#	91

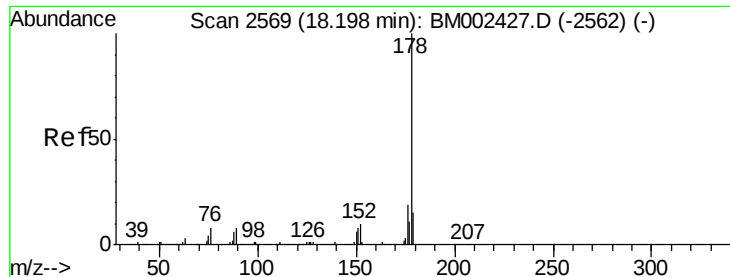
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 1.70 ng/ul

RT: 18.20 min Scan# 2570

Delta R.T. 0.01 min

Lab File: BM002435.D

Acq: 15 Aug 2015 21:27

Instrument :

BNA_M

ClientSampleId :

D9D94

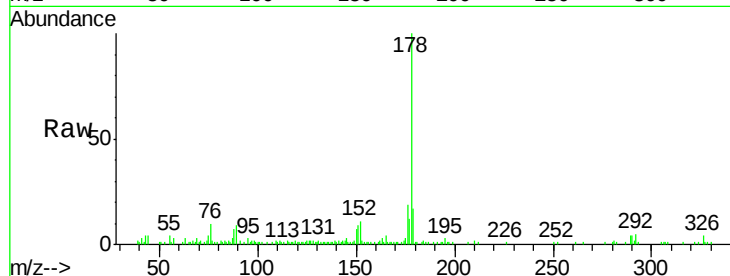
Tot Ion:178 Resp: 79031

Ion Ratio Lower Upper

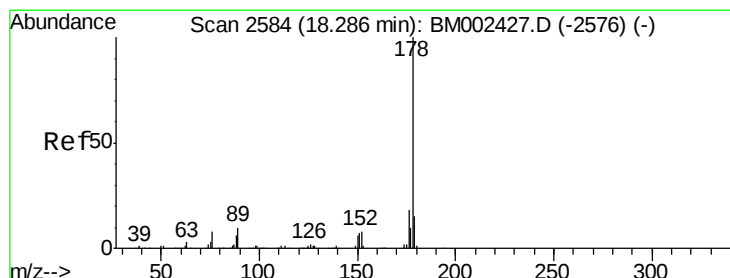
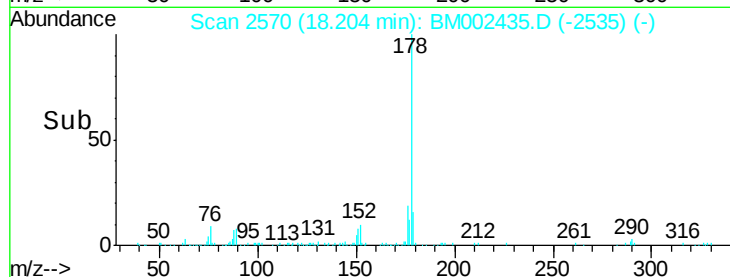
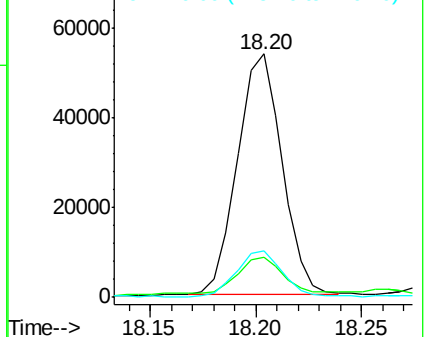
178 100

179 16.6 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: 1.69 ng/ul

RT: 18.20 min Scan# 2570

Delta R.T. -0.08 min

Lab File: BM002435.D

Acq: 15 Aug 2015 21:27

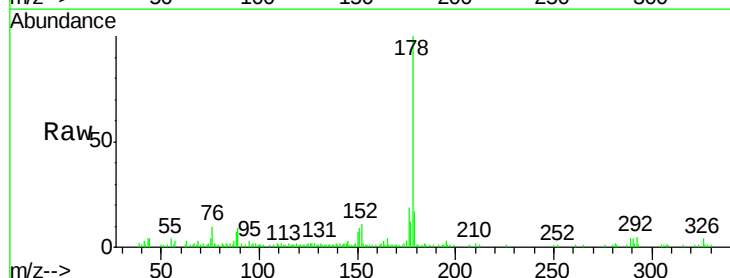
Tgt Ion:178 Resp: 79658

Ion Ratio Lower Upper

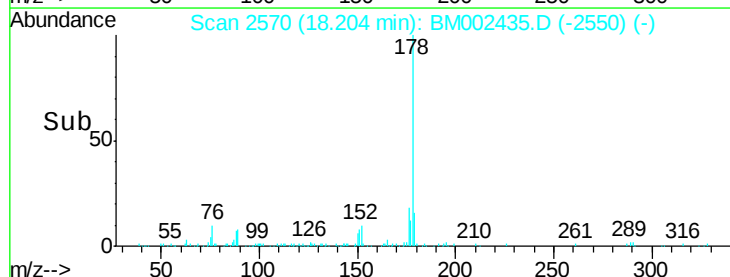
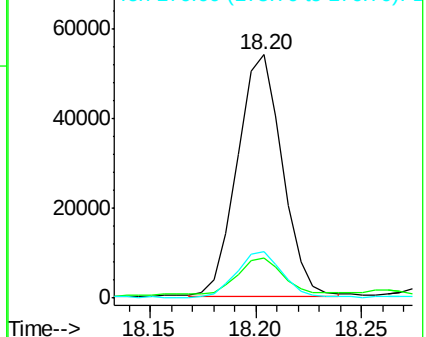
178 100

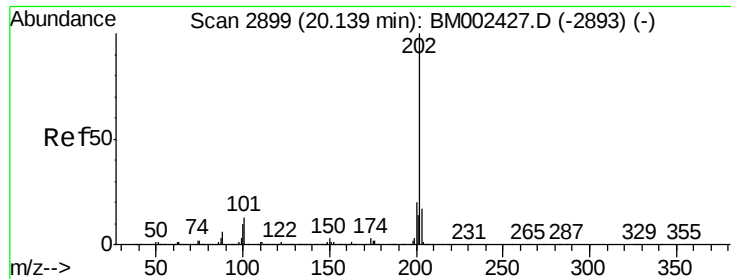
179 16.6 12.6 18.8

176 18.9 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

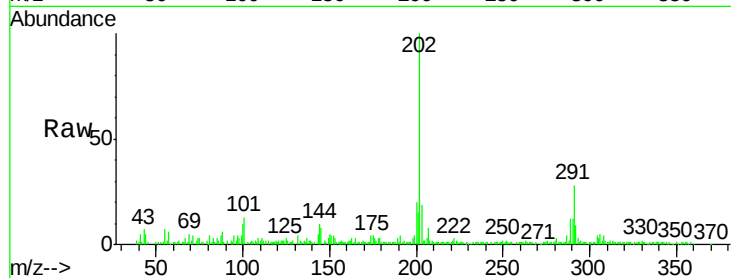




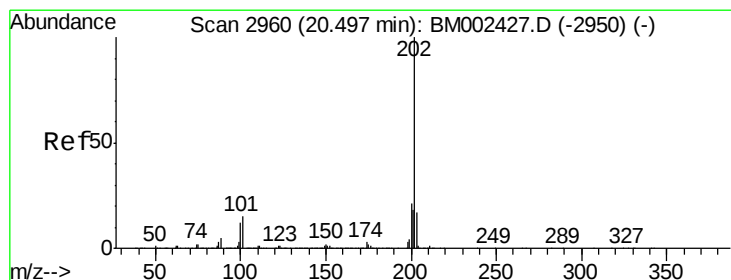
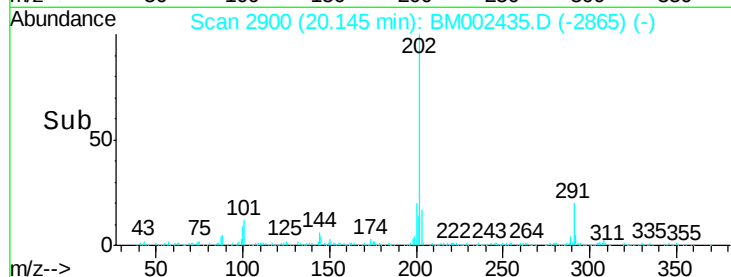
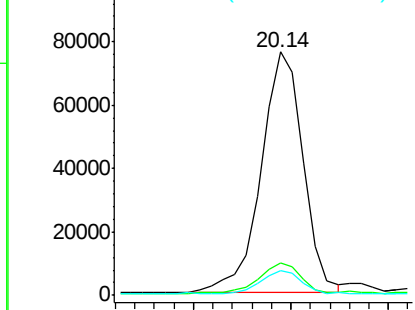
#16
 Fluoranthene
 Concen: 2.14 ng/ul
 RT: 20.14 min Scan# 2900
 Delta R.T. 0.01 min
 Lab File: BM002435.D
 Acq: 15 Aug 2015 21:27

Instrument :
 BNA_M
 ClientSampleId :
 D9D94

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.4	9.7	14.5
100	10.1	7.4	11.2

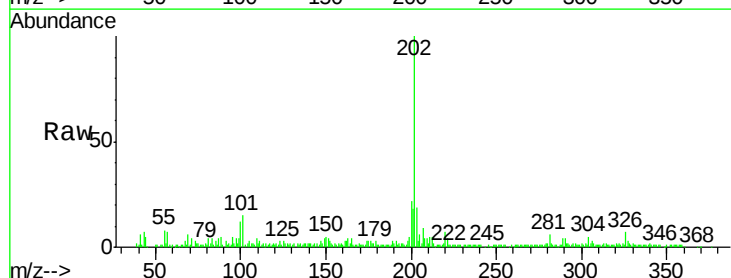


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

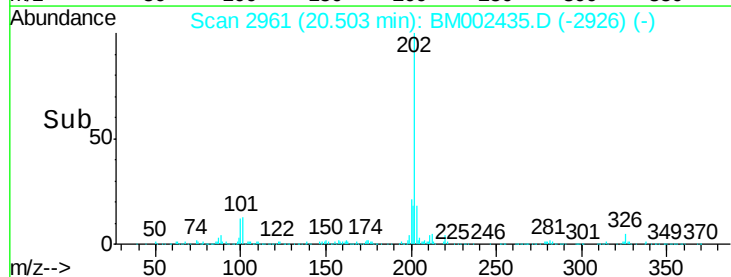
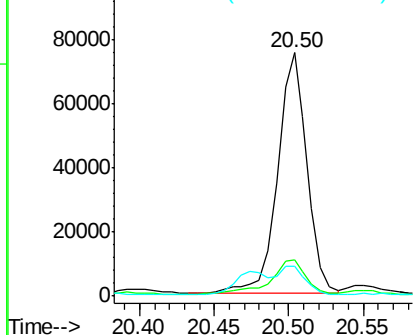


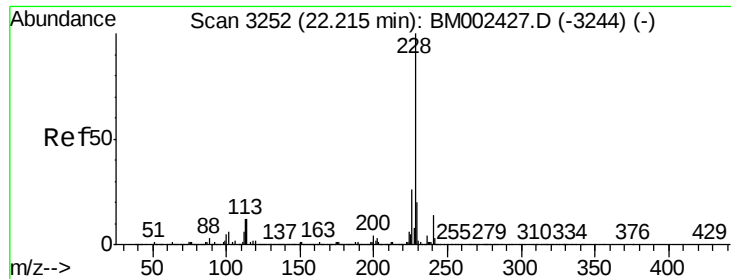
#19
 Pyrene
 Concen: 3.28 ng/ul
 RT: 20.50 min Scan# 2961
 Delta R.T. 0.01 min
 Lab File: BM002435.D
 Acq: 15 Aug 2015 21:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.7	12.0	18.0
100	12.1	9.7	14.5



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





#20

Benzo(a)anthracene

Concen: 1.60 ng/ul

RT: 22.22 min Scan# 3253

Delta R.T. 0.01 min

Lab File: BM002435.D

Acq: 15 Aug 2015 21:27

Instrument :

BNA_M

ClientSampleId :

D9D94

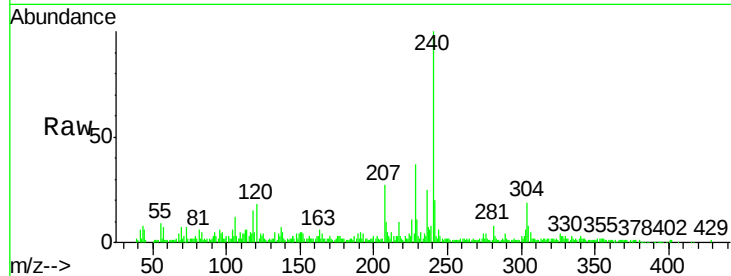
Tot Ion:228 Resp: 51266

Ion Ratio Lower Upper

228 100

229 30.3 15.8 23.6#

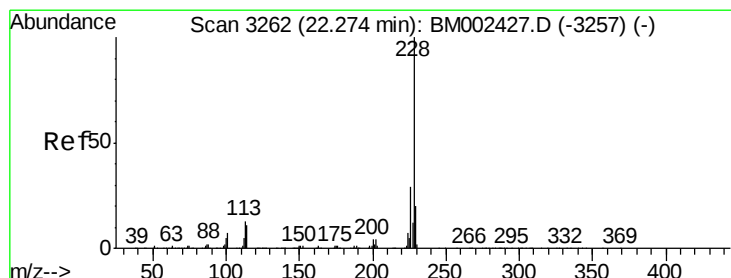
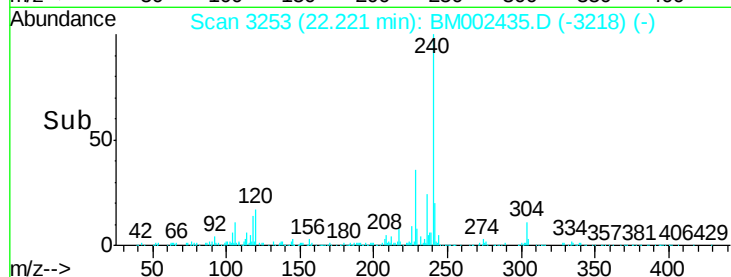
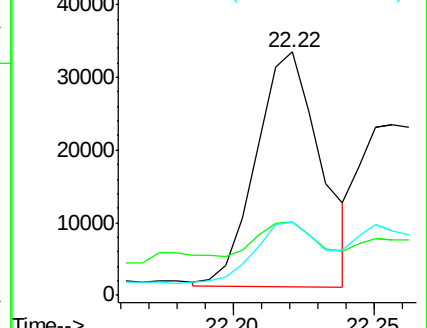
226 30.1 21.1 31.7



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: 1.83 ng/ul

RT: 22.27 min Scan# 3262

Delta R.T. 0.00 min

Lab File: BM002435.D

Acq: 15 Aug 2015 21:27

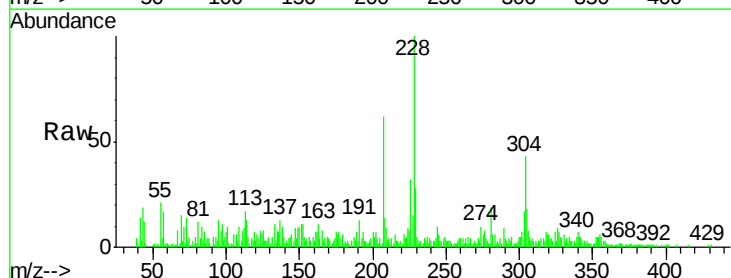
Tgt Ion:228 Resp: 54867

Ion Ratio Lower Upper

228 100

226 31.8 23.4 35.2

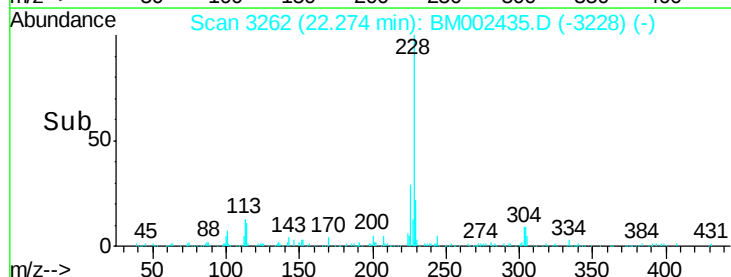
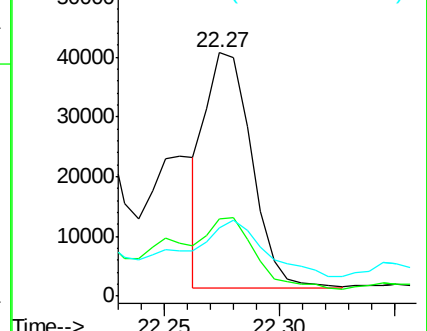
229 28.1 15.7 23.5#

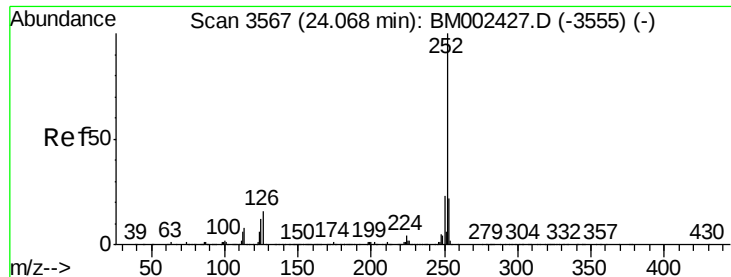


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 3.18 ng/ul

RT: 24.08 min Scan# 3569

Delta R.T. 0.01 min

Lab File: BM002435.D

Acq: 15 Aug 2015 21:27

Instrument :

BNA_M

ClientSampleId :

D9D94

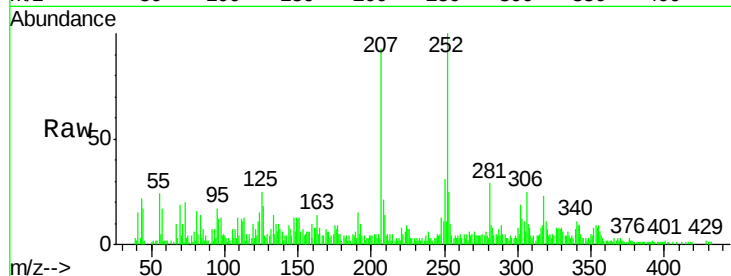
Tot Ion:252 Resp: 99147

Ion Ratio Lower Upper

252 100

253 24.9 17.4 26.0

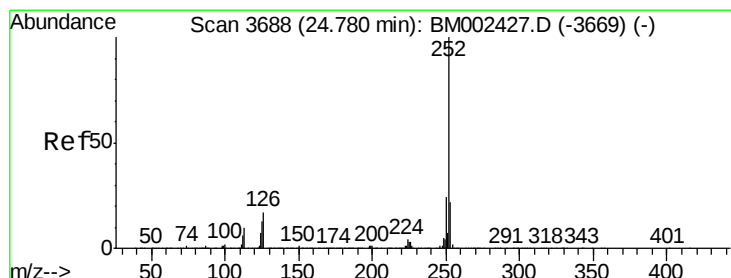
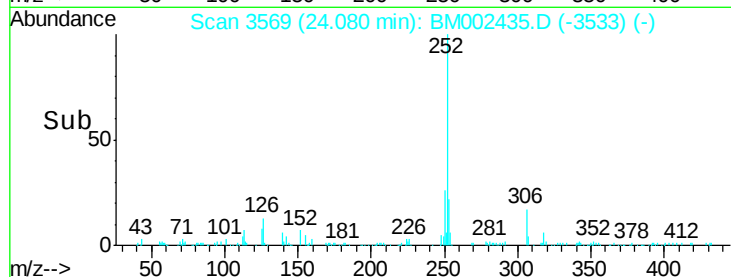
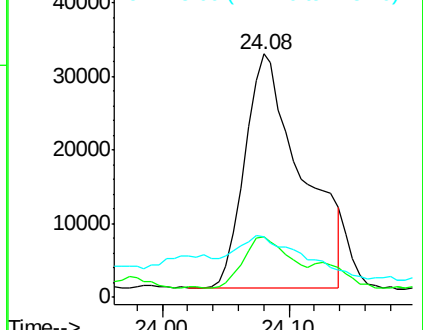
125 24.7 10.0 15.0#



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



#26

Benzo(a)pyrene

Concen: 1.68 ng/ul

RT: 24.79 min Scan# 3689

Delta R.T. 0.01 min

Lab File: BM002435.D

Acq: 15 Aug 2015 21:27

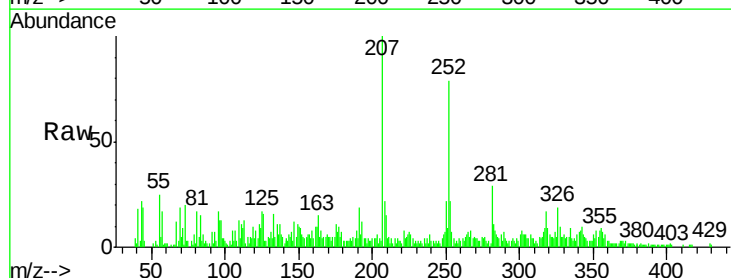
Tgt Ion:252 Resp: 49879

Ion Ratio Lower Upper

252 100

253 27.7 17.6 26.4#

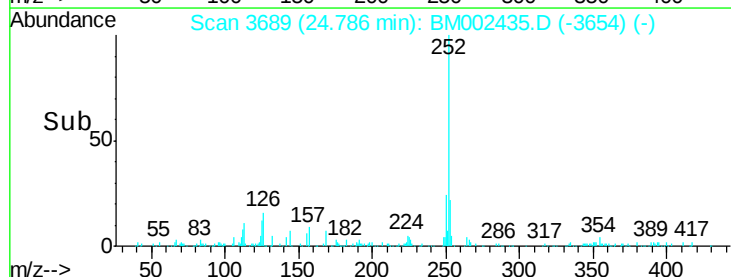
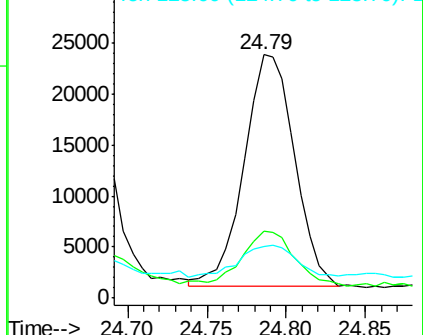
125 21.4 10.7 16.1#

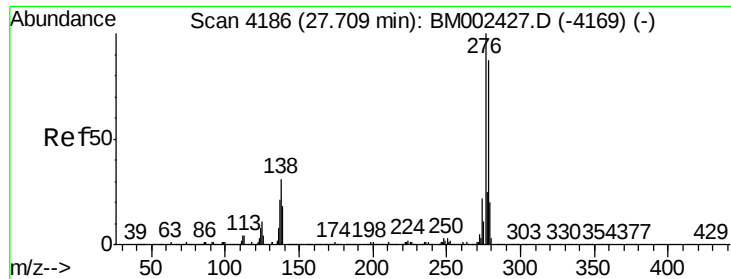


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.17 ng/ul

RT: 27.73 min Scan# 4189

Delta R.T. 0.02 min

Lab File: BM002435.D

Acq: 15 Aug 2015 21:27

Instrument :

BNA_M

ClientSampleId :

D9D94

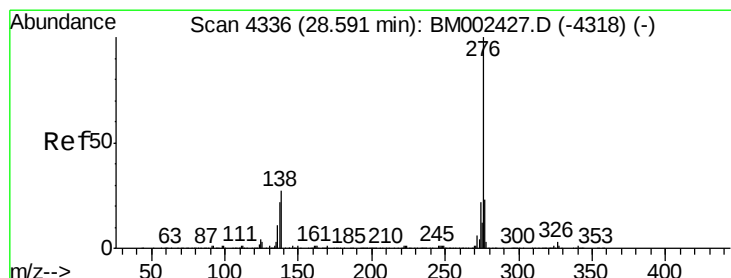
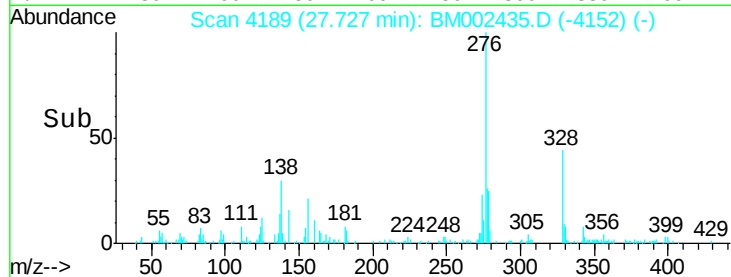
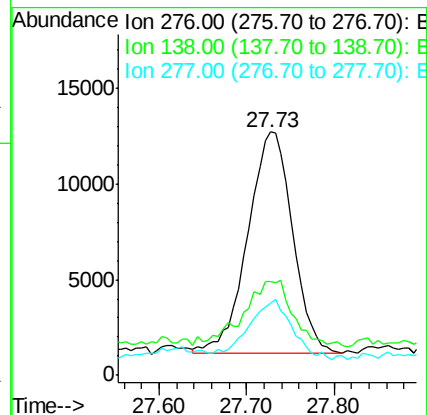
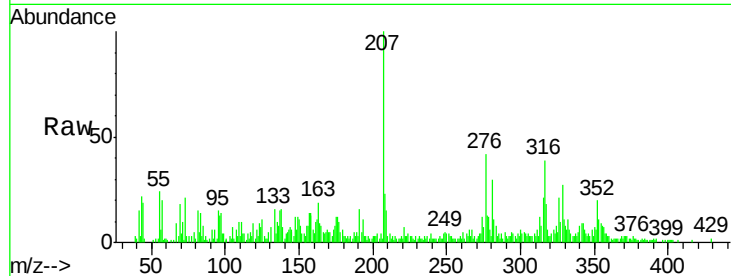
Tot Ion:276 Resp: 40173

Ion Ratio Lower Upper

276 100

138 38.6 25.3 37.9#

277 29.9 20.2 30.2



#29

Benzo(g,h,i)perylene

Concen: 1.76 ng/ul

RT: 28.61 min Scan# 4339

Delta R.T. 0.02 min

Lab File: BM002435.D

Acq: 15 Aug 2015 21:27

Tgt Ion:276 Resp: 50111

Ion Ratio Lower Upper

276 100

138 32.9 21.0 31.6#

277 26.6 19.2 28.8

