

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081215\
 Data File : BM002374.D
 Acq On : 12 Aug 2015 23:11
 Operator : UM/IZ
 Sample : G3163-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9D04

Quant Time: Aug 13 00:47:49 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 00:45:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	227825	20.00	ng/ul	0.00
2) Naphthalene-d8	11.78	136	1051741	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	542825	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.20	188	966777	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	675980	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	661352	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	1077790	19.17	ng/ul	0.00
10) Fluorene-d10	16.46	176	666024	17.03	ng/ul	0.00
14) Anthracene-d10	18.30	188	855368	18.23	ng/ul	0.00
18) Pyrene-d10	20.52	212	850564	25.94	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.81	264	797794	22.72	ng/ul	0.00

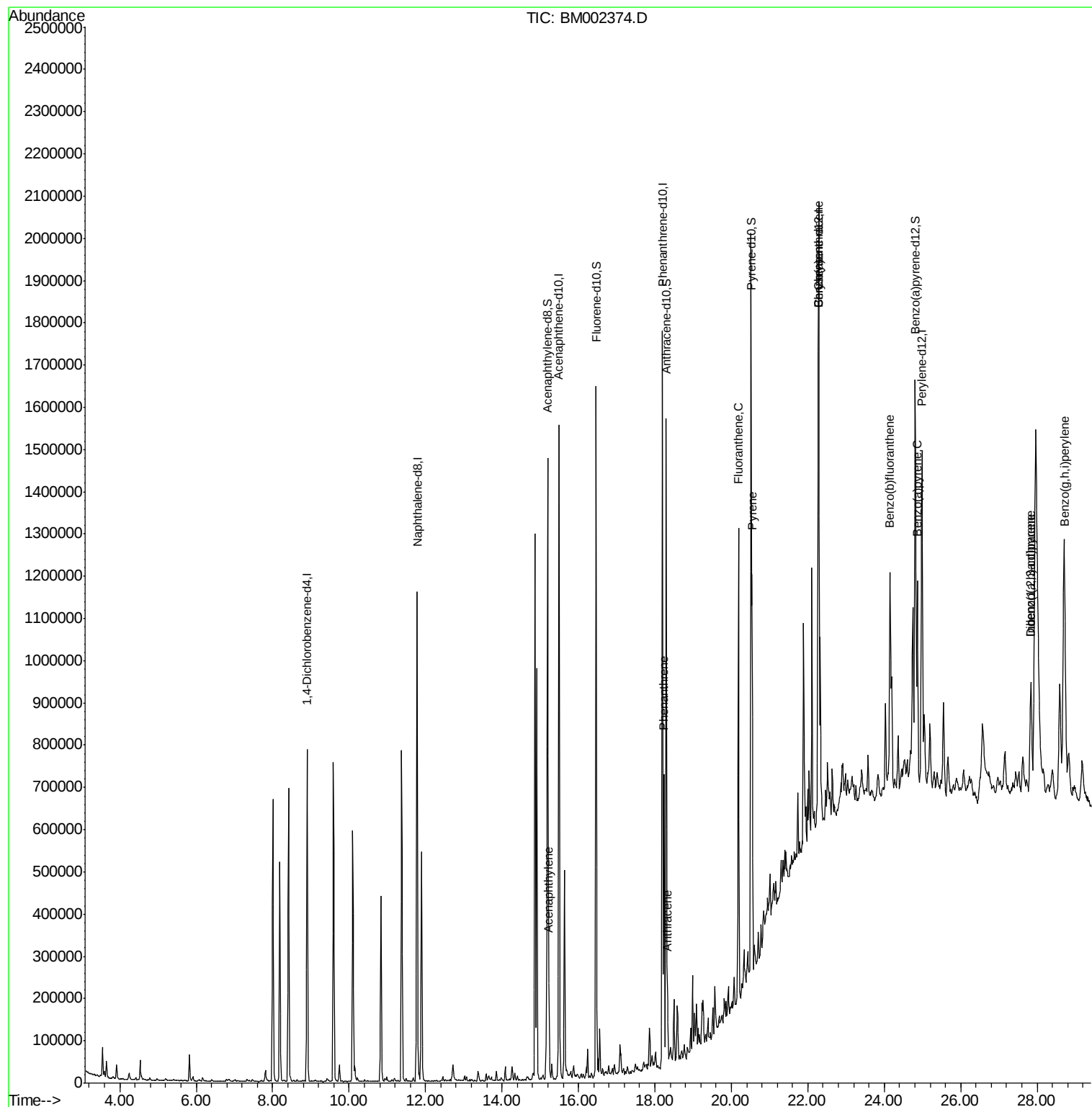
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Acenaphthylene	15.22	152	94986	1.63	ng/ul	100
13) Phenanthrene	18.24	178	413476	7.43	ng/ul	100
15) Anthracene	18.33	178	92433	1.61	ng/ul	99
16) Fluoranthene	20.19	202	674495	10.95	ng/ul	99
19) Pyrene	20.54	202	556294	12.73	ng/ul	96
20) Benzo(a)anthracene	22.27	228	295102	7.15	ng/ul	97
21) Chrysene	22.27	228	293438	7.50	ng/ul	96
23) Benzo(b)fluoranthene	24.15	252	490572	11.93	ng/ul	98
26) Benzo(a)pyrene	24.87	252	369486	9.39	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.84	276	281289	6.24	ng/ul	94
28) Dibenzo(a,h)anthracene	27.83	278	69690	1.82	ng/ul#	66
29) Benzo(g,h,i)perylene	28.73	276	299791	7.88	ng/ul	96

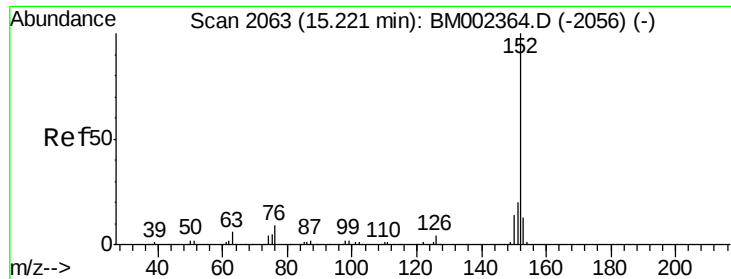
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.63 ng/ul

RT: 15.22 min Scan# 2063

Delta R.T. 0.00 min

Lab File: BM002374.D

Acq: 12 Aug 2015 23:11

Instrument :

BNA_M

ClientSampleId :

D9D04

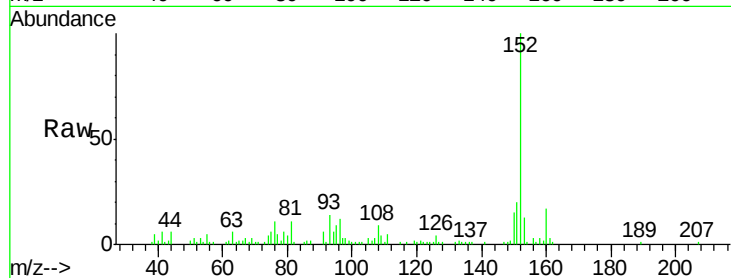
Tgt Ion:152 Resp: 94986

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

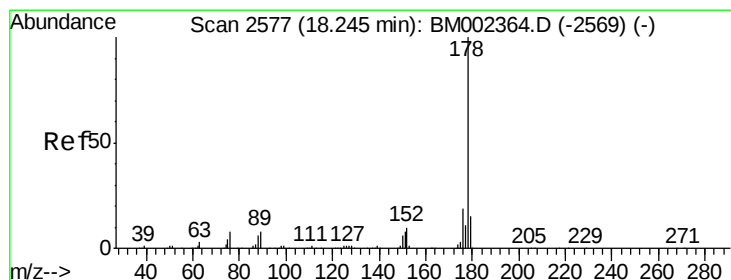
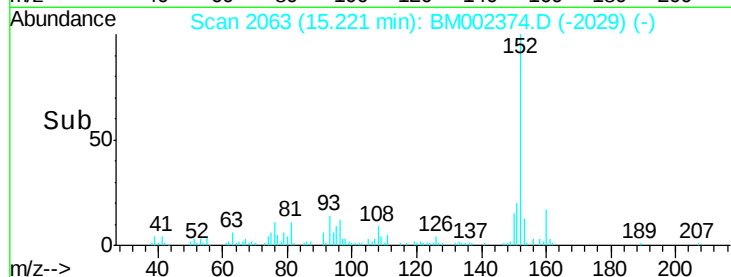
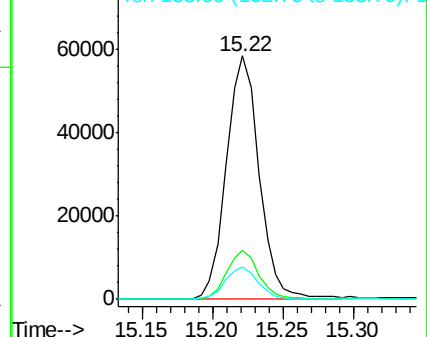
153 13.2 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#13

Phenanthrene

Concen: 7.43 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. -0.01 min

Lab File: BM002374.D

Acq: 12 Aug 2015 23:11

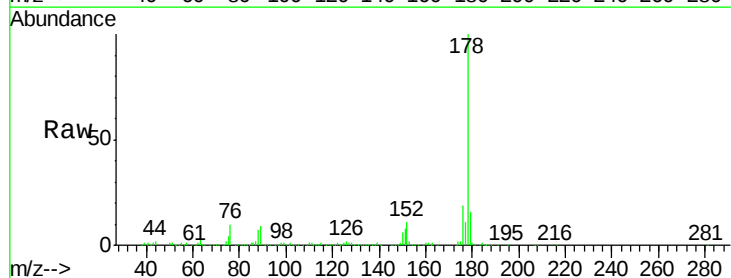
Tgt Ion:178 Resp: 413476

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

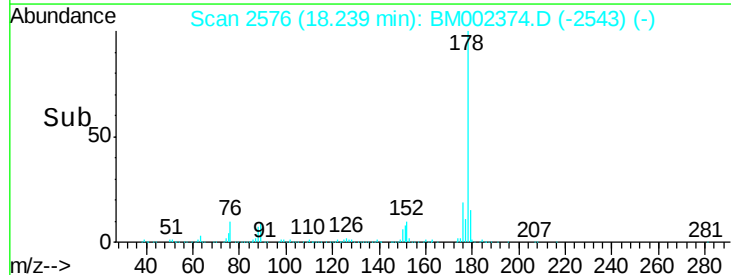
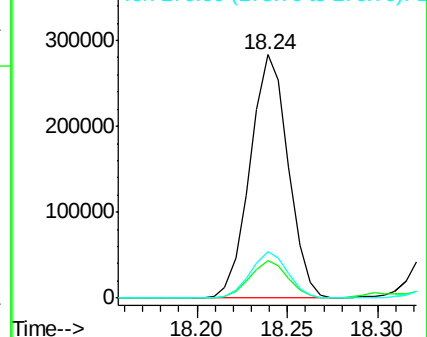
176 19.0 15.3 22.9

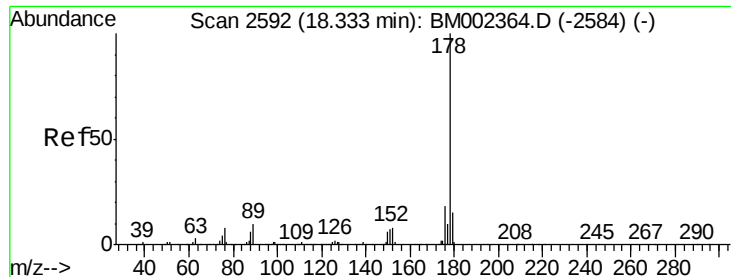


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

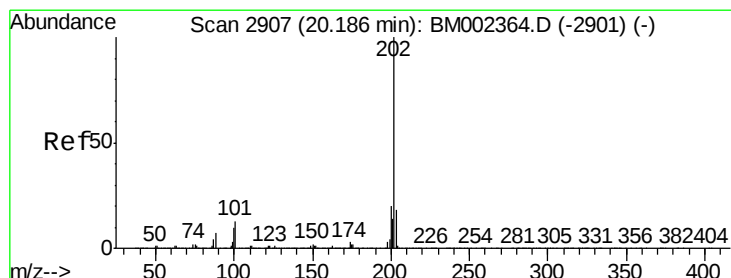
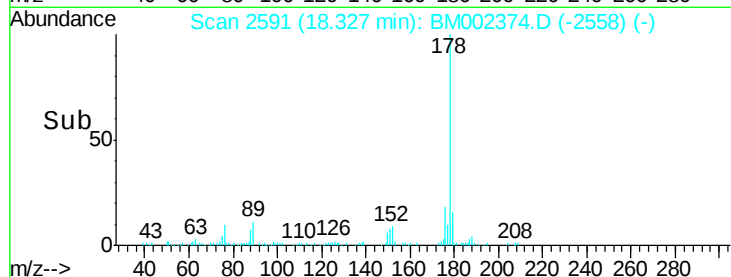
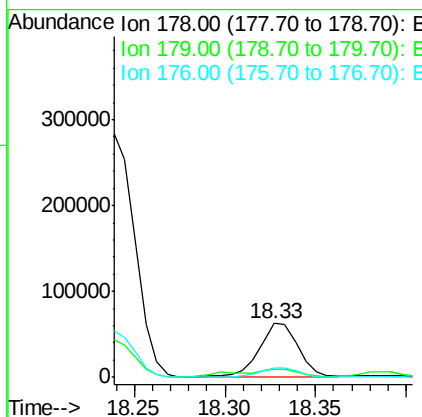
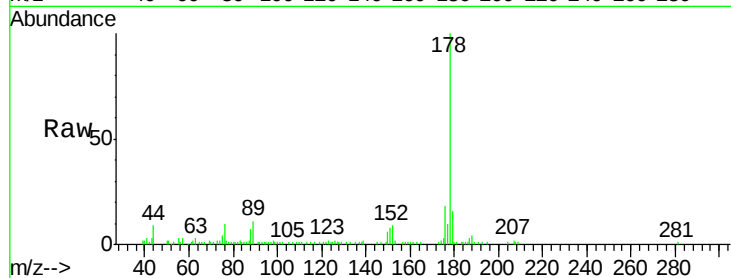




#15
 Anthracene
 Concen: 1.61 ng/ul
 RT: 18.33 min Scan# 2591
 Delta R.T. -0.01 min
 Lab File: BM002374.D
 Acq: 12 Aug 2015 23:11

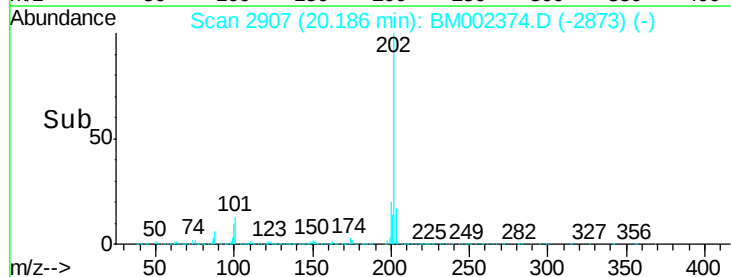
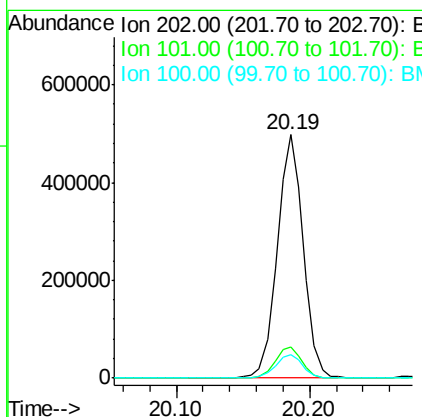
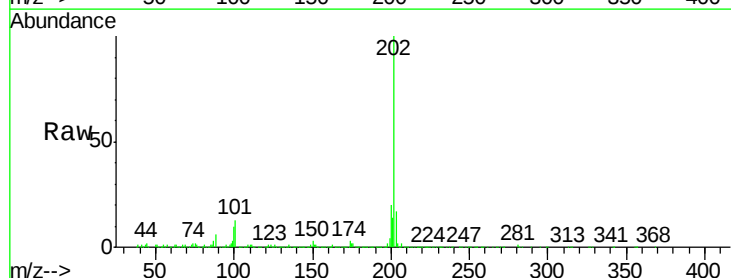
Instrument :
 BNA_M
 ClientSampleId :
 D9D04

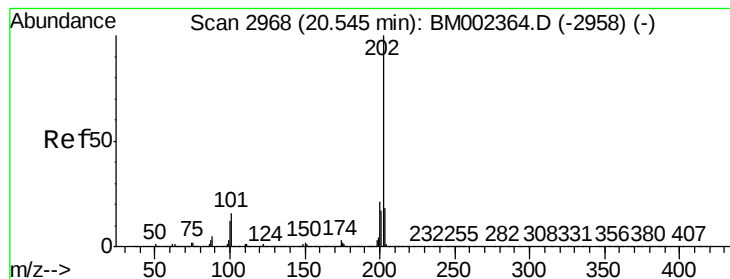
Tgt Ion:178 Resp: 92433
 Ion Ratio Lower Upper
 178 100
 179 16.1 12.3 18.5
 176 18.3 14.5 21.7



#16
 Fluoranthene
 Concen: 10.95 ng/ul
 RT: 20.19 min Scan# 2907
 Delta R.T. 0.00 min
 Lab File: BM002374.D
 Acq: 12 Aug 2015 23:11

Tgt Ion:202 Resp: 674495
 Ion Ratio Lower Upper
 202 100
 101 12.8 10.6 15.8
 100 9.6 8.2 12.4





#19

Pyrene

Concen: 12.73 ng/ul

RT: 20.54 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BM002374.D

Acq: 12 Aug 2015 23:11

Instrument :

BNA_M

ClientSampleId :

D9D04

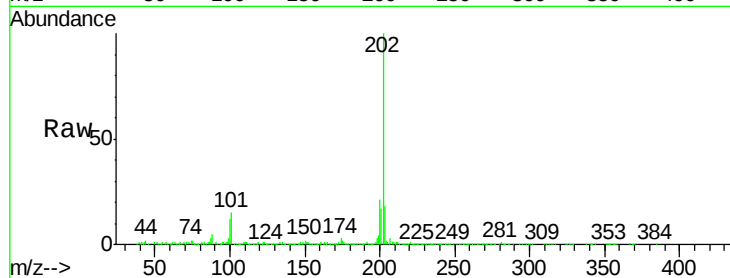
Tgt Ion:202 Resp: 556294

Ion Ratio Lower Upper

202 100

101 14.5 13.0 19.6

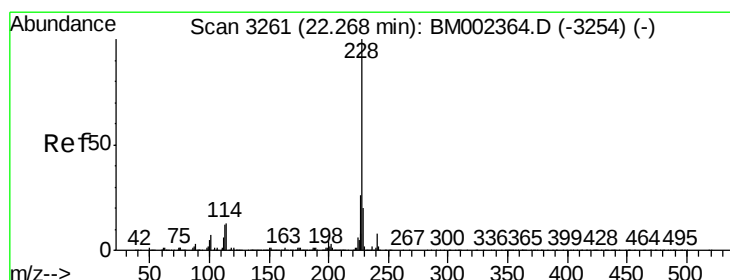
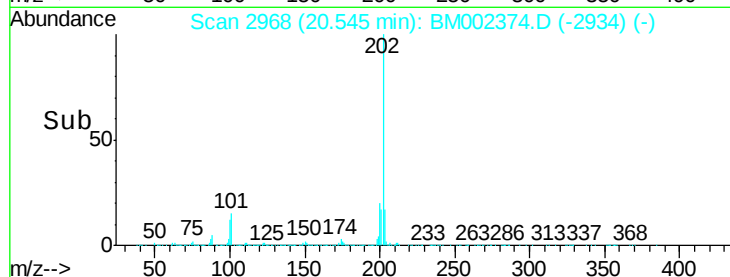
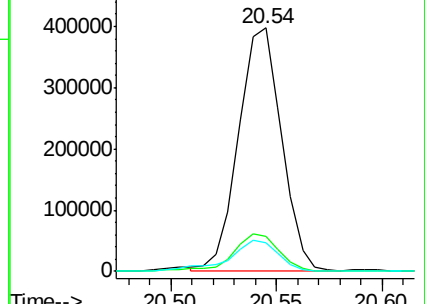
100 11.9 11.0 16.4



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): E



#20

Benzo(a)anthracene

Concen: 7.15 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. 0.00 min

Lab File: BM002374.D

Acq: 12 Aug 2015 23:11

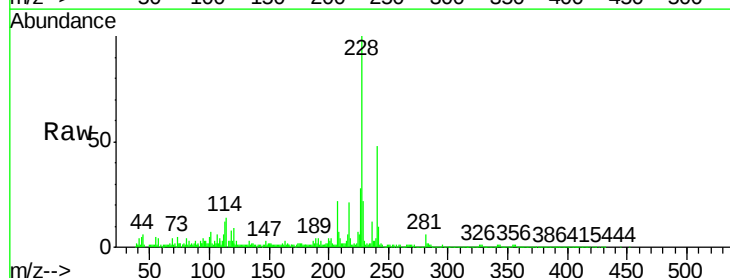
Tgt Ion:228 Resp: 295102

Ion Ratio Lower Upper

228 100

229 21.8 15.7 23.5

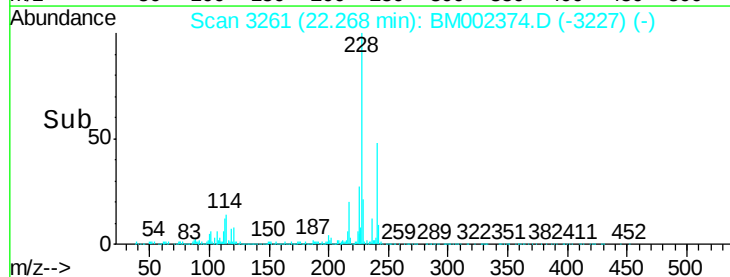
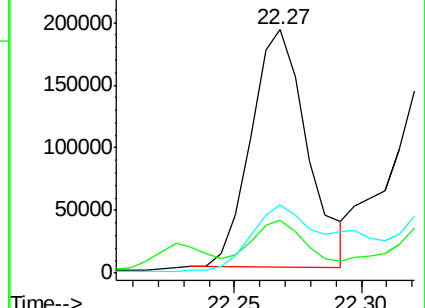
226 27.8 21.4 32.0

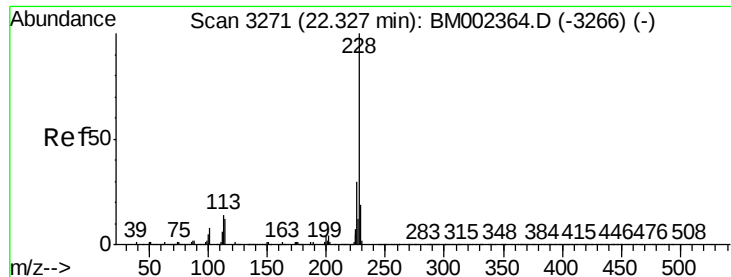


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 7.50 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. -0.06 min

Lab File: BM002374.D

Acq: 12 Aug 2015 23:11

Instrument :

BNA_M

ClientSampleId :

D9D04

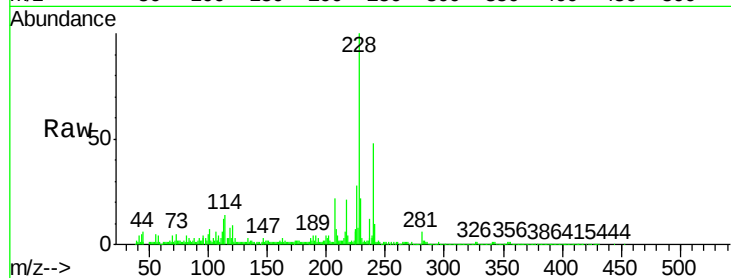
Tgt Ion:228 Resp: 293438

Ion Ratio Lower Upper

228 100

226 27.8 23.4 35.0

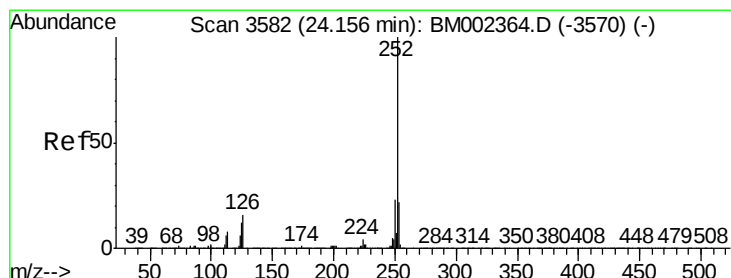
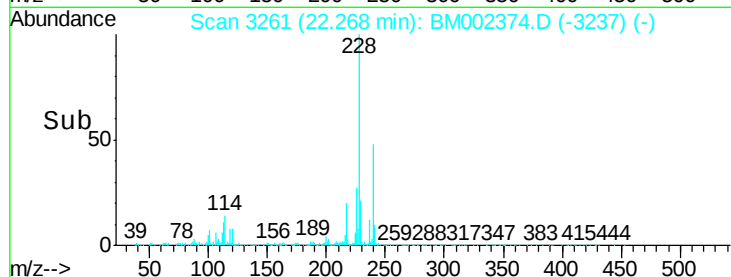
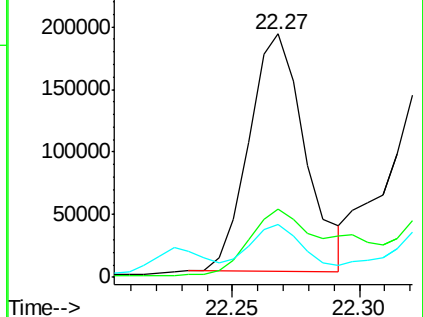
229 21.8 15.5 23.3



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: 11.93 ng/ul

RT: 24.15 min Scan# 3581

Delta R.T. -0.01 min

Lab File: BM002374.D

Acq: 12 Aug 2015 23:11

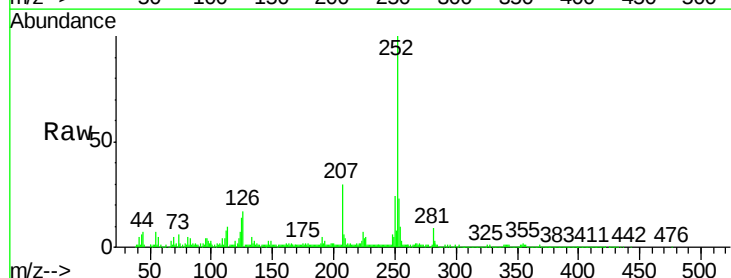
Tgt Ion:252 Resp: 490572

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

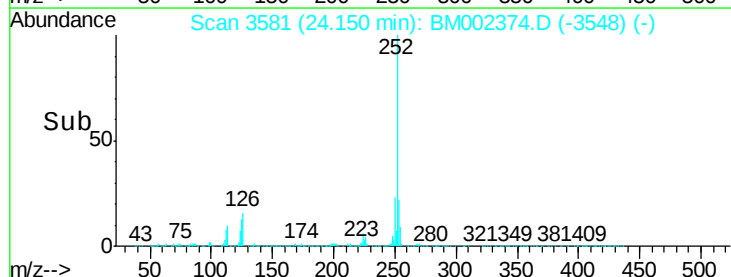
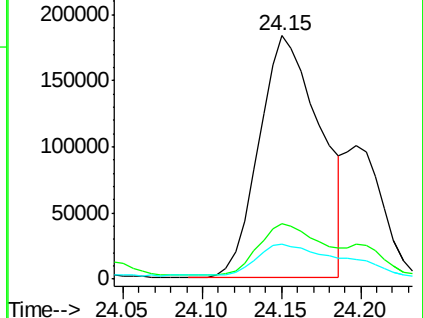
125 14.2 10.3 15.5

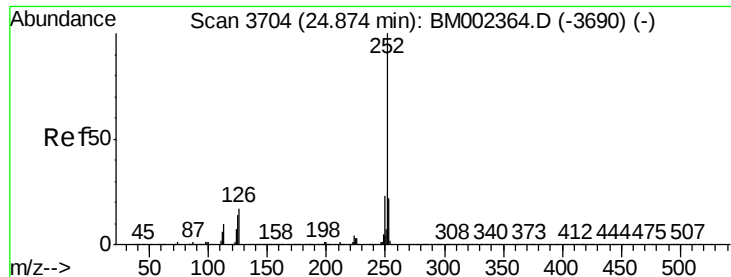


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 9.39 ng/ul

RT: 24.87 min Scan# 3703

Delta R.T. -0.01 min

Lab File: BM002374.D

Acq: 12 Aug 2015 23:11

Instrument :

BNA_M

ClientSampleId :

D9D04

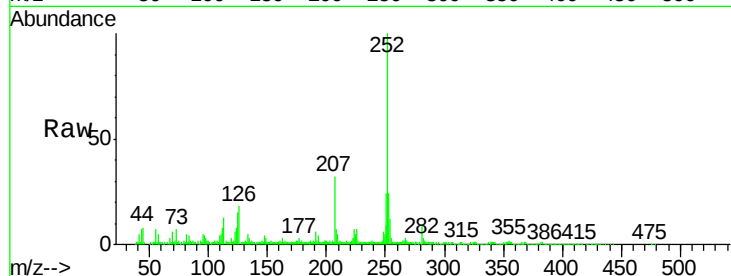
Tgt Ion:252 Resp: 369486

Ion Ratio Lower Upper

252 100

253 23.6 17.3 25.9

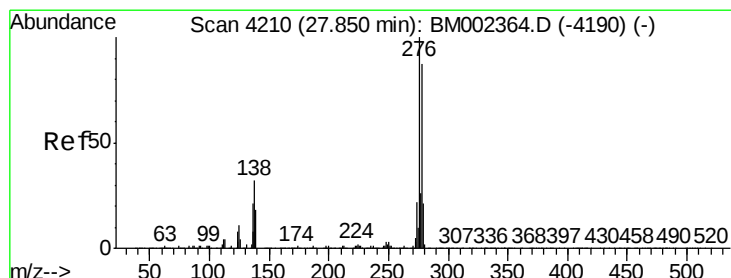
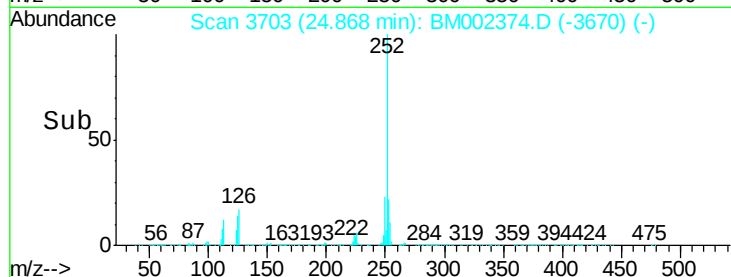
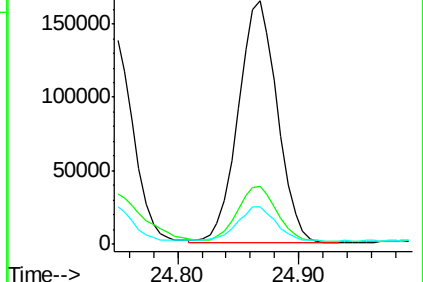
125 15.4 11.0 16.6



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: 6.24 ng/ul

RT: 27.84 min Scan# 4208

Delta R.T. -0.01 min

Lab File: BM002374.D

Acq: 12 Aug 2015 23:11

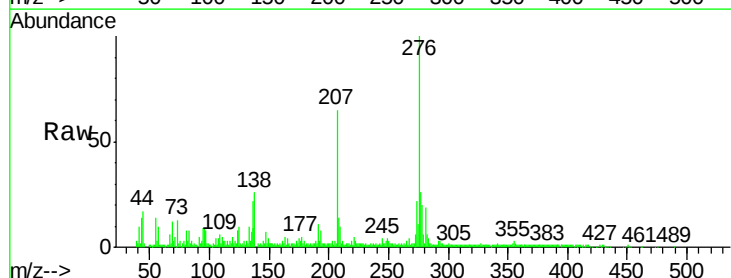
Tgt Ion:276 Resp: 281289

Ion Ratio Lower Upper

276 100

138 25.8 25.6 38.4

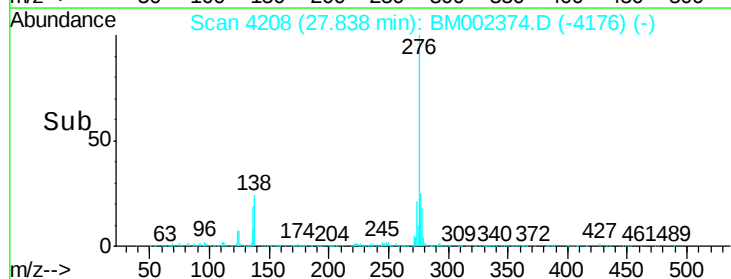
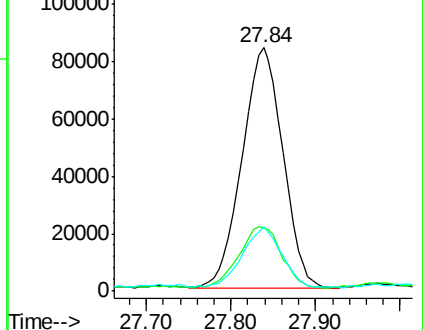
277 26.5 21.0 31.4

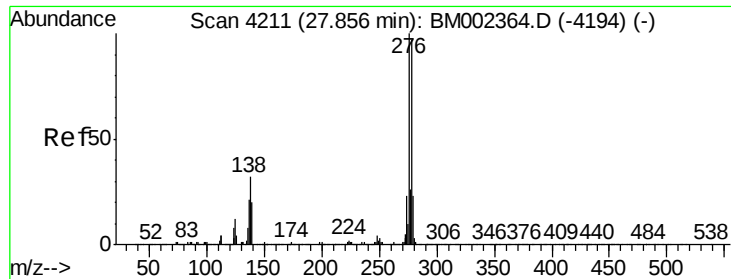


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

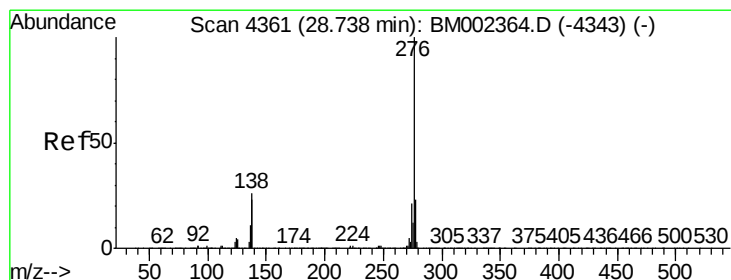
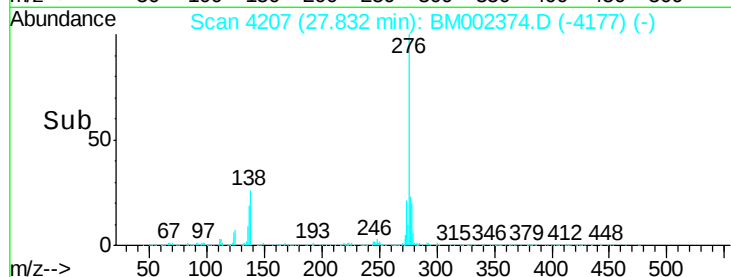
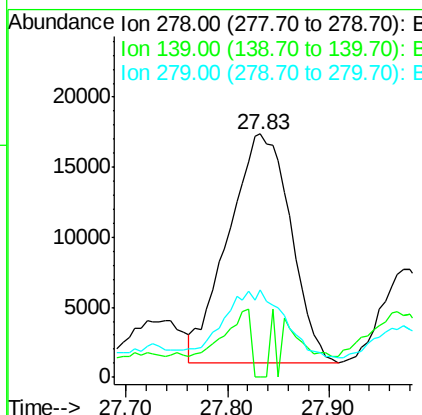
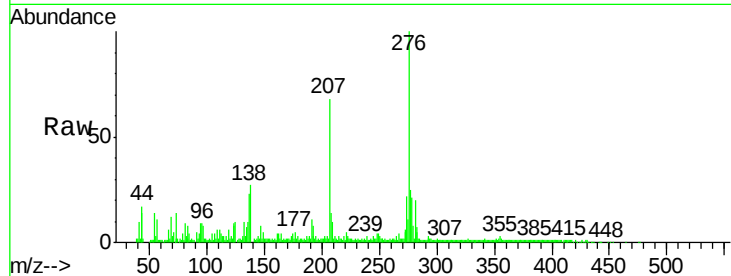




#28
Dibenzo(a,h)anthracene
Concen: 1.82 ng/ul
RT: 27.83 min Scan# 4207
Delta R.T. -0.02 min
Lab File: BM002374.D
Acq: 12 Aug 2015 23:11

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Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.4	24.6#
279	36.1	18.8	28.2#



#29
Benzo(g,h,i)perylene
Concen: 7.88 ng/ul
RT: 28.73 min Scan# 4359
Delta R.T. -0.01 min
Lab File: BM002374.D
Acq: 12 Aug 2015 23:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.0	20.5	30.7
277	25.4	19.0	28.6

