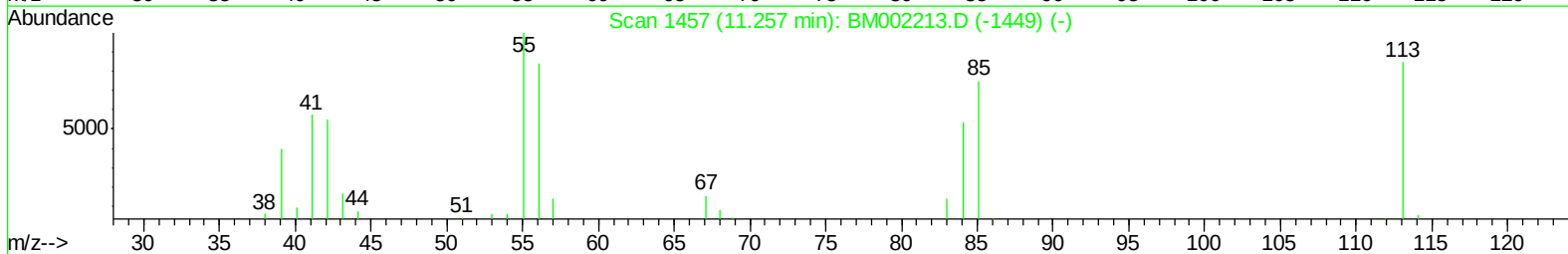
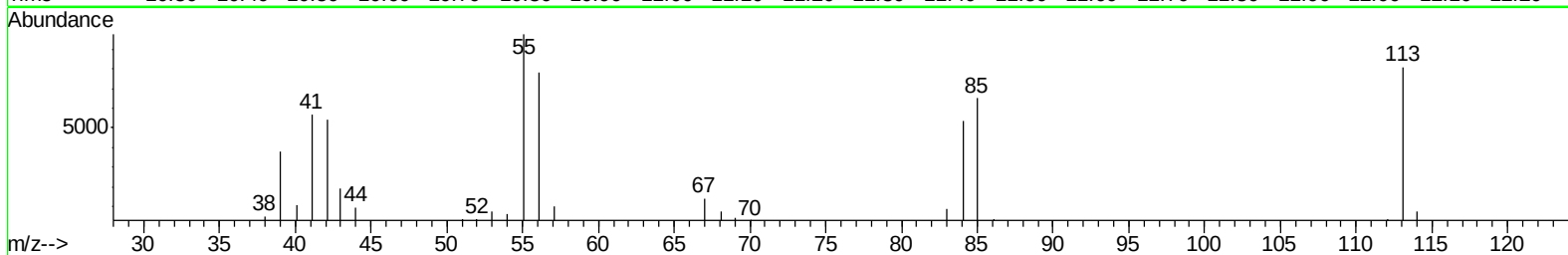
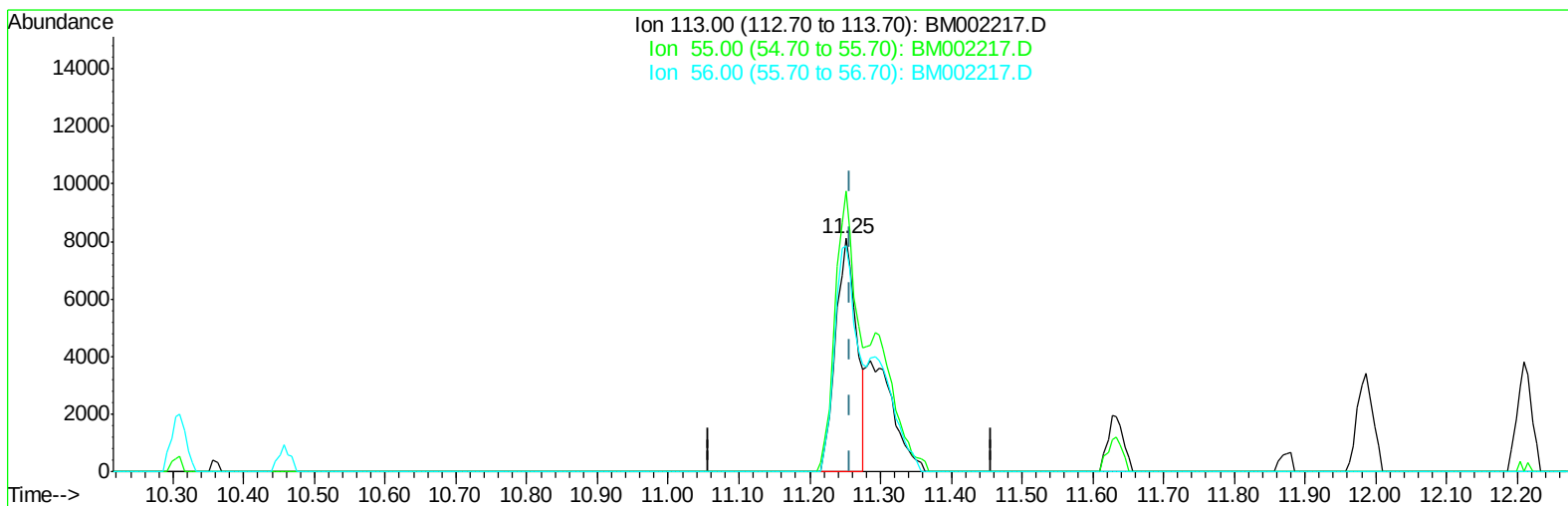


Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002217.D
Acq On : 04 Aug 2015 19:39
Operator : TP/UM
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 02:52:04 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:46:59 2015
Response via : Initial Calibration



TIC: BM002217.D

(32) Caprolactam

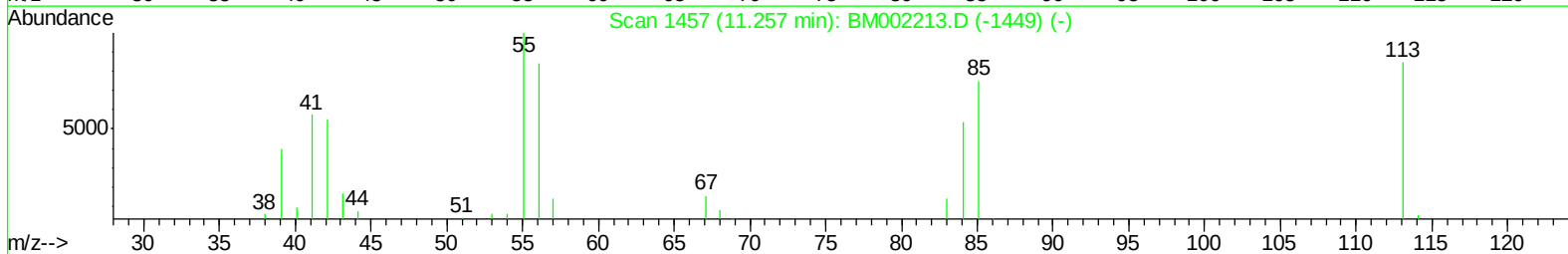
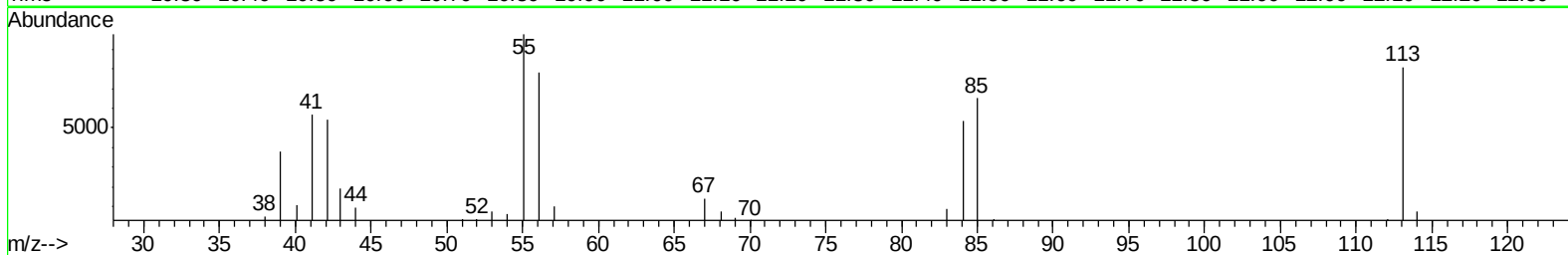
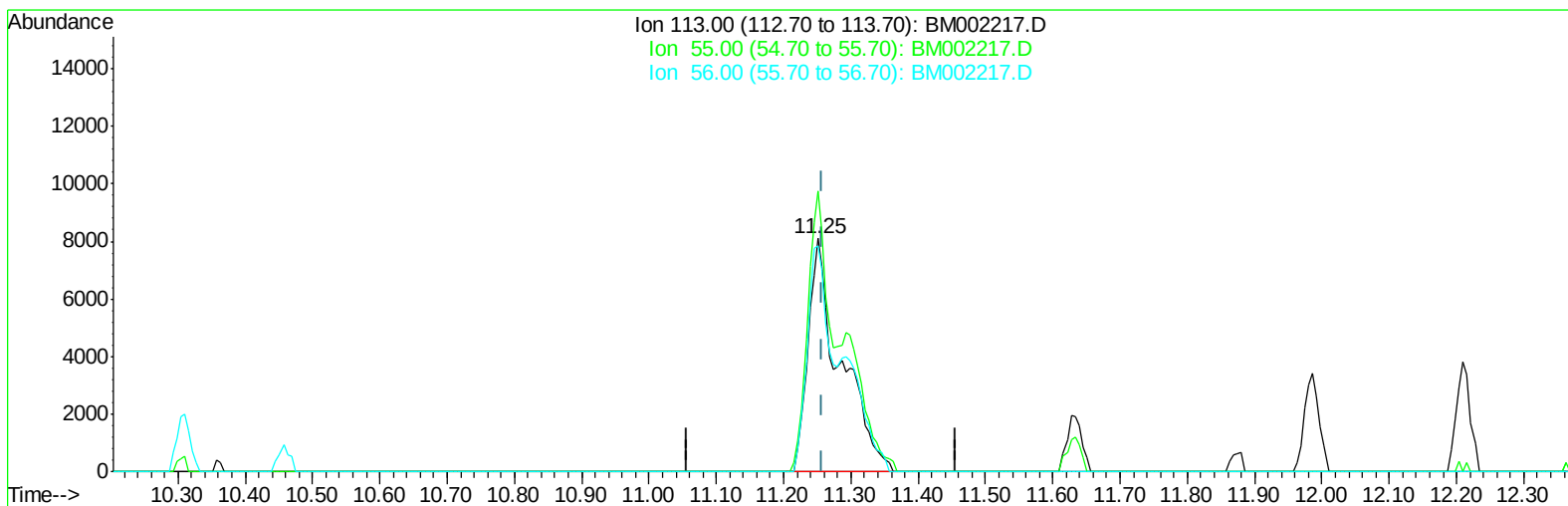
11.251min (-0.006) 12.50ng/ul

response 16675

Ion	Exp%	Act%
113.00	100	100
55.00	118.10	120.46
56.00	99.40	96.79
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002217.D
Acq On : 04 Aug 2015 19:39
Operator : TP/UM
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 02:52:04 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:46:59 2015
Response via : Initial Calibration



TIC: BM002217.D

(32) Caprolactam

11.251min (-0.006) 20.34ng/ul m

response 27127

Ion	Exp%	Act%
113.00	100	100
55.00	118.10	120.46
56.00	99.40	96.79
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
 Data File : BM002222.D
 Acq On : 04 Aug 2015 22:42
 Operator : TP/UM
 Sample : G3073-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 05 02:57:50 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:56:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	66428	20.00	ng/ul	0.00
18) Naphthalene-d8	10.31	136	267716	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.20	164	143782	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.95	188	297846	20.00	ng/ul	0.00
78) Chrysene-d12	21.16	240	326590	20.00	ng/ul	0.00
86) Perylene-d12	23.35	264	311513	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	2244	1.92	ng/uL	0.00
5) Phenol-d5	6.72	99	44470	9.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	26162	10.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	40230	9.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	27824	6.79	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	18754	9.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	20725	9.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	35680	8.15	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	16007	3.30	ng/ul	0.00
44) Dimethylphthalate-d6	13.61	166	98038	9.37	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	122746	9.29	ng/ul	0.00
52) 4-Nitrophenol-d4	14.45	143	6975	5.15	ng/ul	0.00
58) Fluorene-d10	15.20	176	83446	9.03	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	3951	2.30	ng/ul	0.00
71) Anthracene-d10	17.05	188	120290	9.07	ng/ul	0.00
79) Pyrene-d10	19.36	212	131595	8.42	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.21	264	150854	9.97	ng/ul	0.00

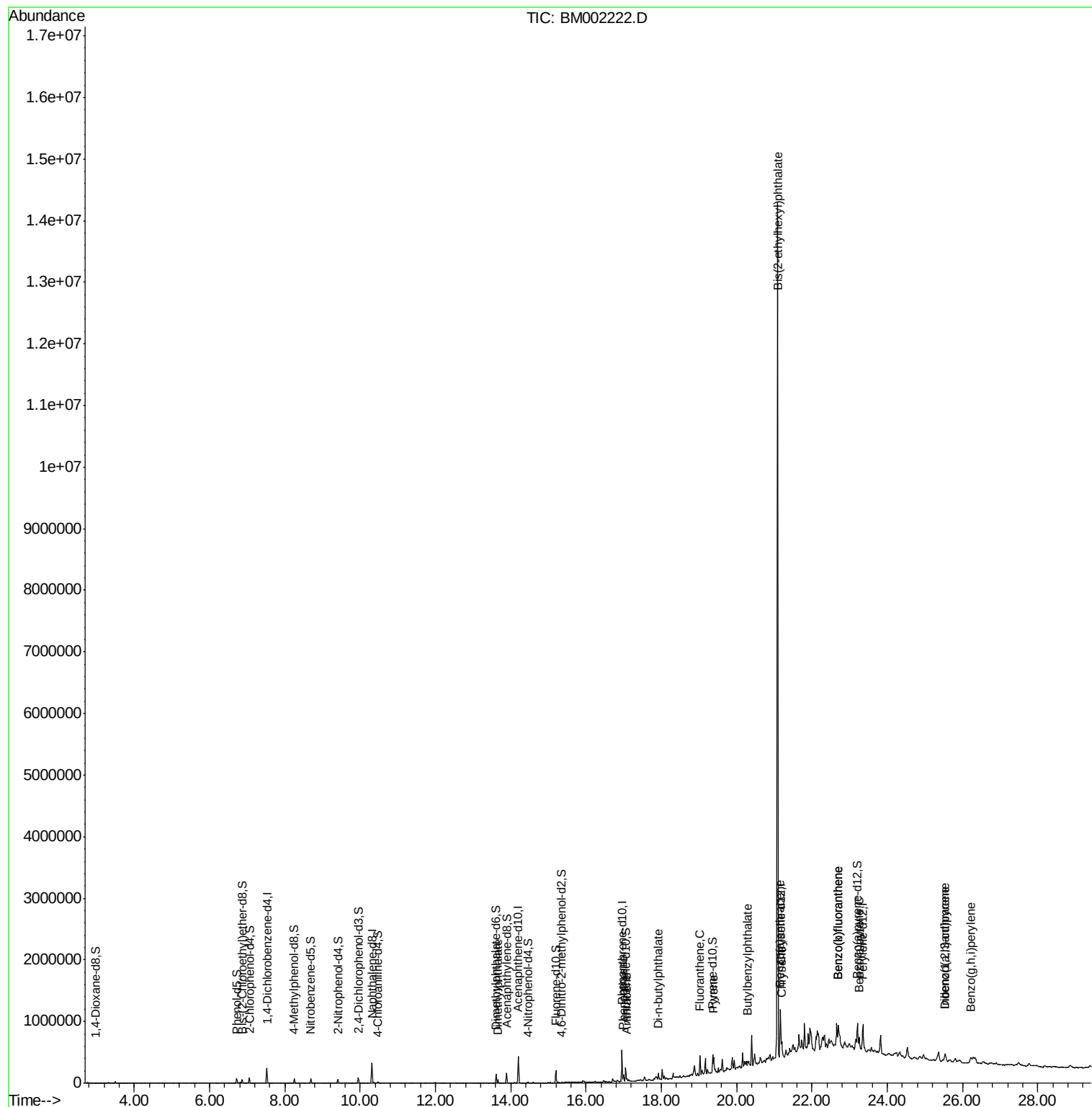
Target Compounds

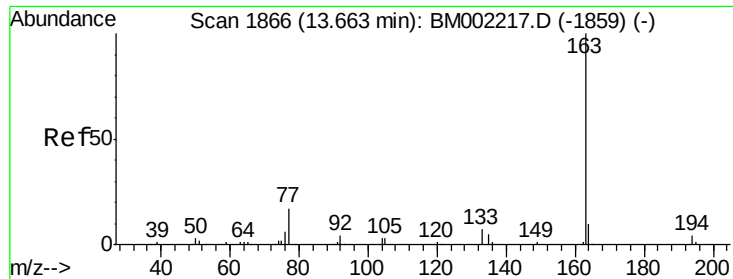
						Qvalue
45) Dimethylphthalate	13.66	163	34717	3.33	ng/ul	98
70) Phenanthrene	17.00	178	68780	4.50	ng/ul	99
72) Anthracene	17.09	178	28777	1.84	ng/ul	95
76) Di-n-butylphthalate	17.92	149	72874	4.73	ng/ul	99
77) Fluoranthene	19.02	202	185446	11.08	ng/ul	100
80) Pyrene	19.39	202	170582	8.50	ng/ul	99
81) Butylbenzylphthalate	20.29	149	17672	2.44	ng/ul	88
83) Benzo(a)anthracene	21.14	228	121201	6.62	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.09	149	5265537	511.40	ng/ul#	95
85) Chrysene	21.20	228	144305	8.57	ng/ul	96
88) Benzo(b)fluoranthene	22.70	252	228794	13.04	ng/ul#	95
89) Benzo(k)fluoranthene	22.70	252	106315	6.25	ng/ul#	96
91) Benzo(a)pyrene	23.26	252	128000	7.64	ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	25.54	276	115343	6.11	ng/ul	95
93) Dibenzo(a,h)anthracene	25.54	278	32305	2.01	ng/ul#	81
94) Benzo(g,h,i)perylene	26.21	276	106101	6.74	ng/ul	97

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002222.D
Acq On : 04 Aug 2015 22:42
Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

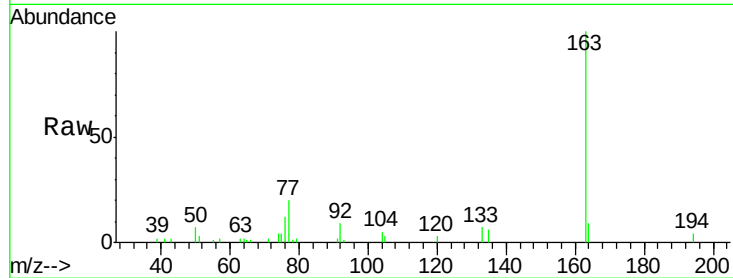
Quant Time: Aug 05 02:57:50 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:56:04 2015
Response via : Initial Calibration



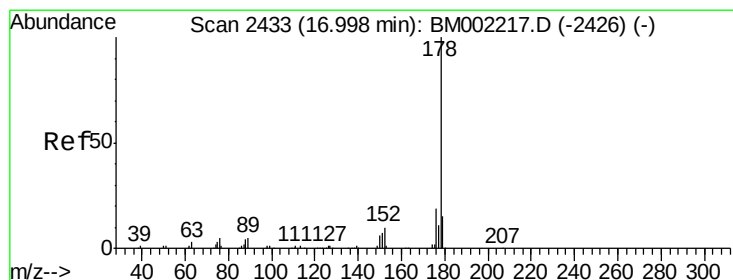
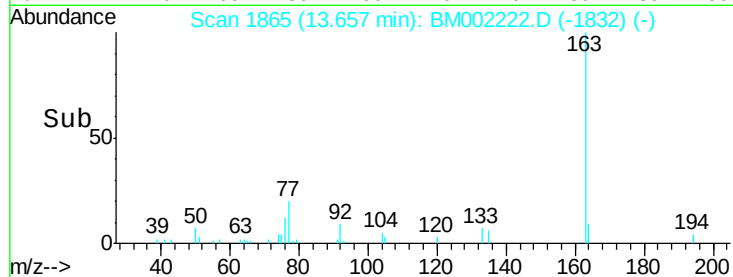
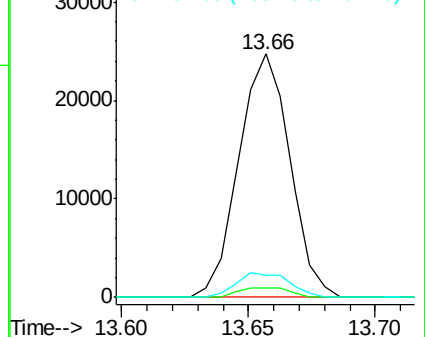


#45
Dimethylphthalate
Concen: 3.33 ng/ul
RT: 13.66 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BM002222.D
Acq: 04 Aug 2015 22:42

Tgt Ion:163 Resp: 34717
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.2
164 8.9 7.9 11.9

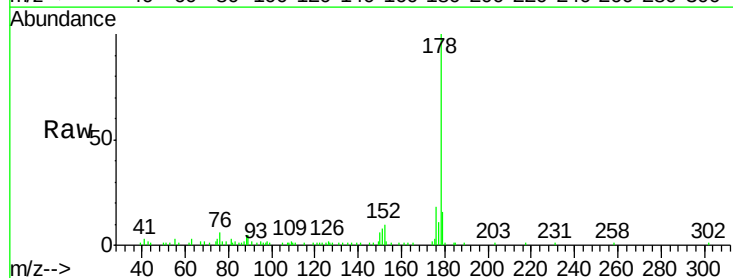


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

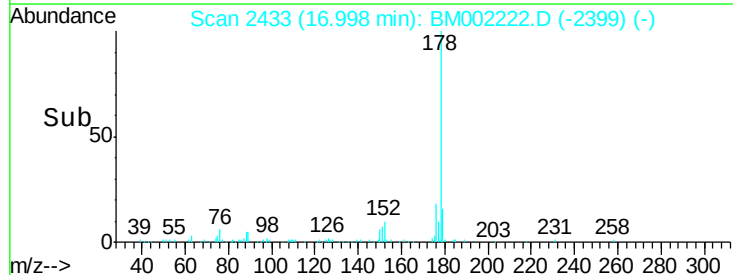
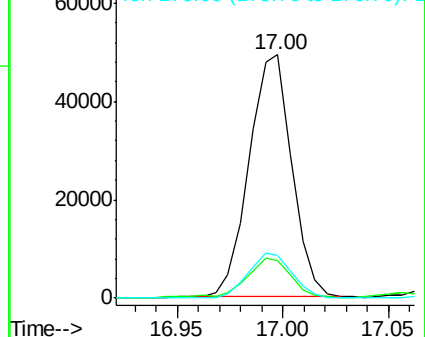


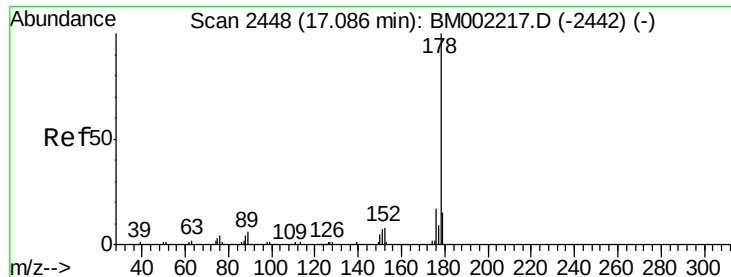
#70
Phenanthrene
Concen: 4.50 ng/ul
RT: 17.00 min Scan# 2433
Delta R.T. 0.00 min
Lab File: BM002222.D
Acq: 04 Aug 2015 22:42

Tgt Ion:178 Resp: 68780
Ion Ratio Lower Upper
178 100
179 15.7 12.2 18.4
176 17.6 14.6 21.8



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





#72

Anthracene

Concen: 1.84 ng/ul

RT: 17.09 min Scan# 2448

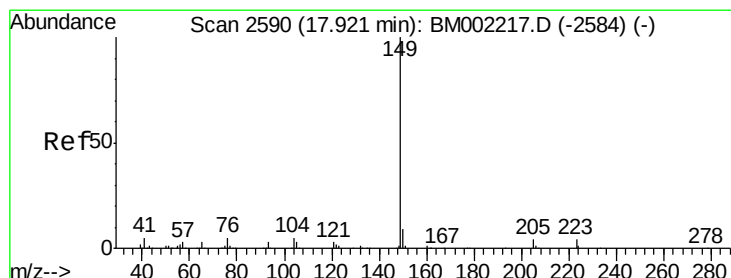
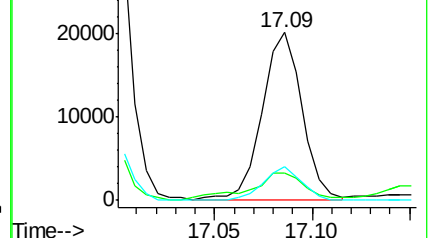
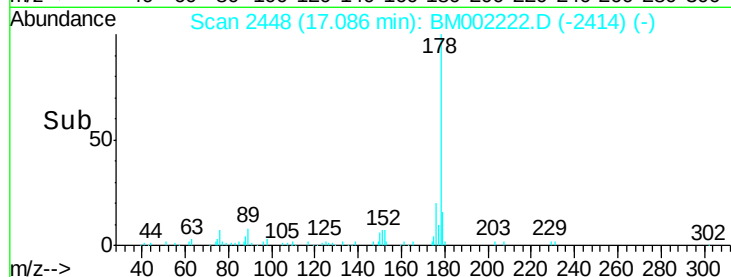
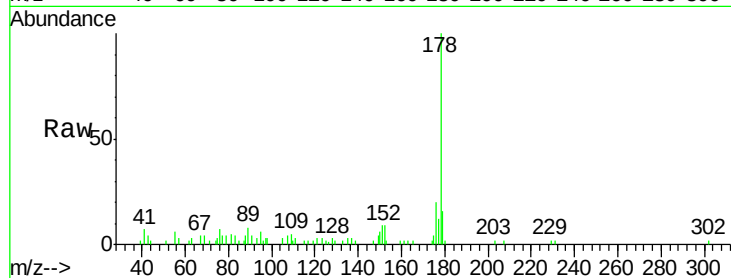
Delta R.T. 0.00 min

Lab File: BM002222.D

Acq: 04 Aug 2015 22:42

Tgt Ion:178 Resp: 28777

Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.2	18.2
176	19.8	13.8	20.6



#76

Di-n-butylphthalate

Concen: 4.73 ng/ul

RT: 17.92 min Scan# 2590

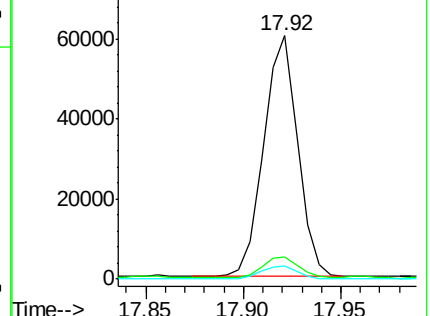
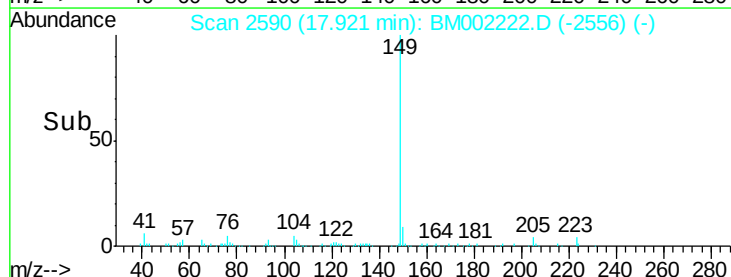
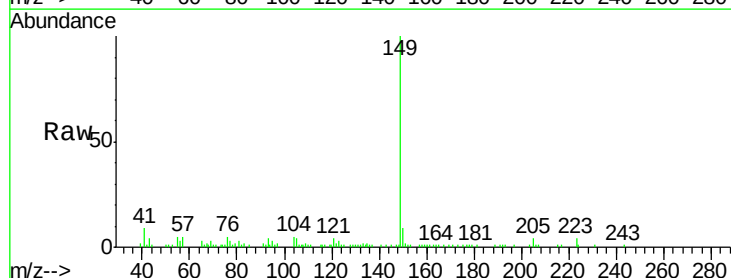
Delta R.T. 0.00 min

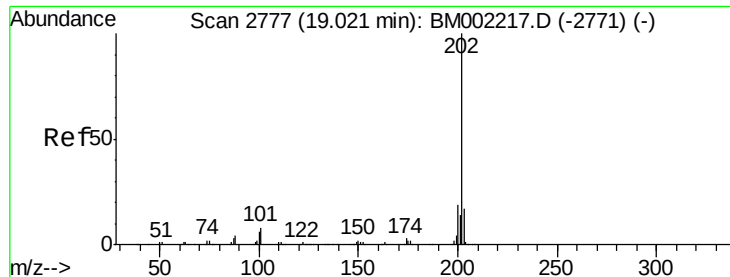
Lab File: BM002222.D

Acq: 04 Aug 2015 22:42

Tgt Ion:149 Resp: 72874

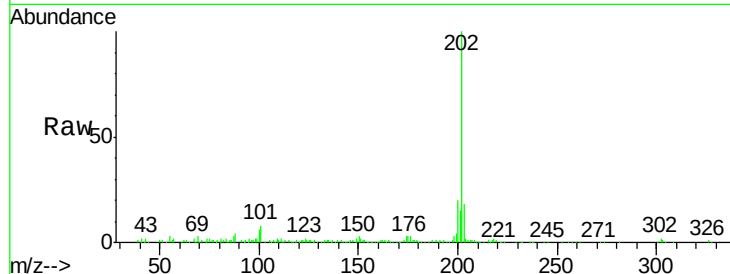
Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.0	10.4
104	5.3	4.0	6.0



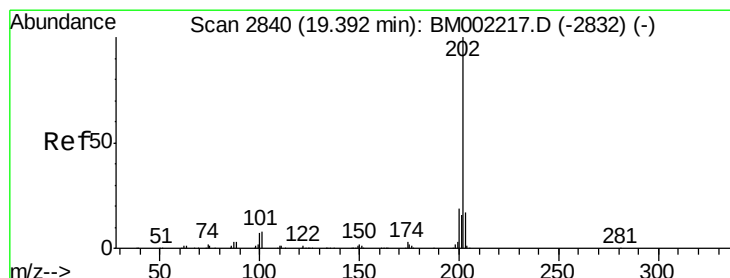
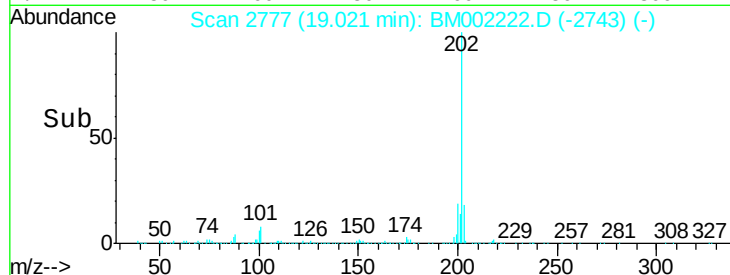
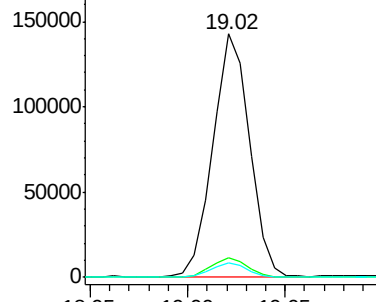


#77
 Fluoranthene
 Concen: 11.08 ng/ul
 RT: 19.02 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: BM002222.D
 Acq: 04 Aug 2015 22:42

Tgt Ion:	202	Resp:	185446
Ion	Ratio	Lower	Upper
202	100		
101	7.8	6.2	9.2
100	5.9	4.8	7.2

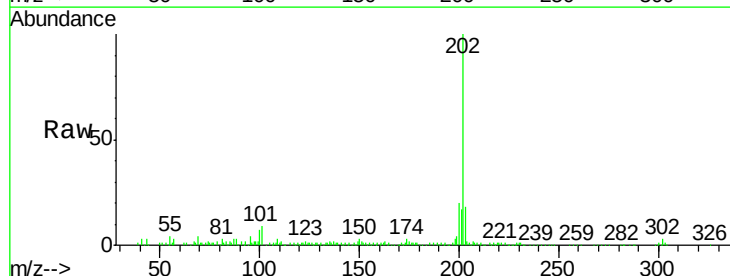


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

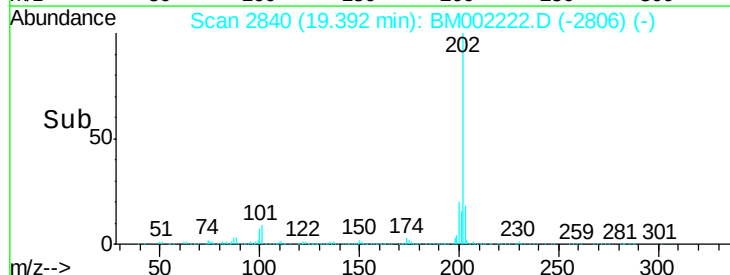
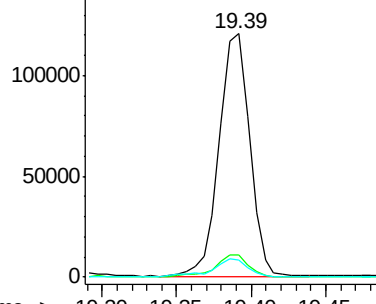


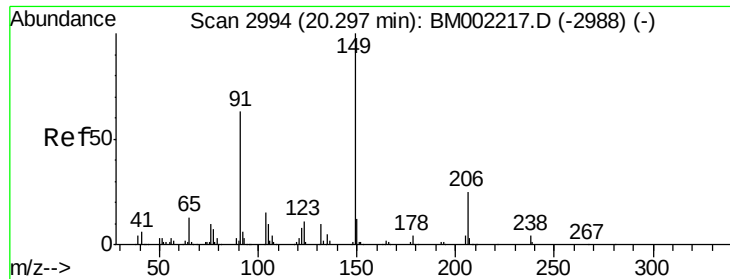
#80
 Pyrene
 Concen: 8.50 ng/ul
 RT: 19.39 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: BM002222.D
 Acq: 04 Aug 2015 22:42

Tgt Ion:	202	Resp:	170582
Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.0	10.6
100	6.8	5.8	8.8



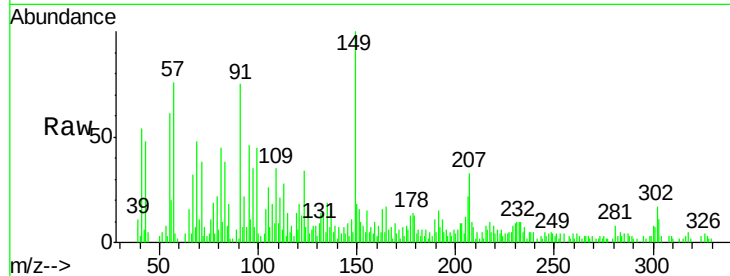
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B



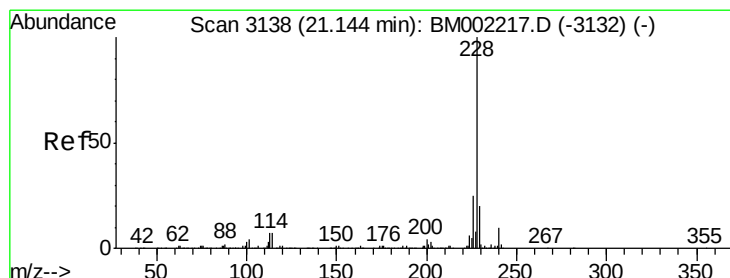
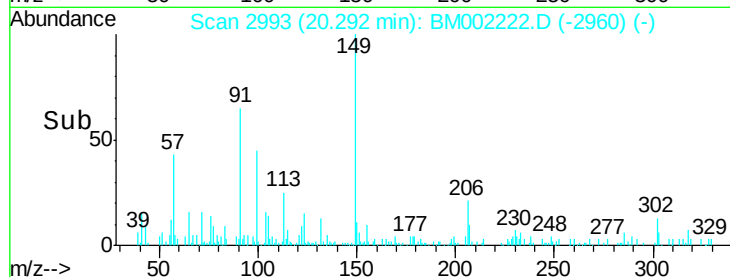
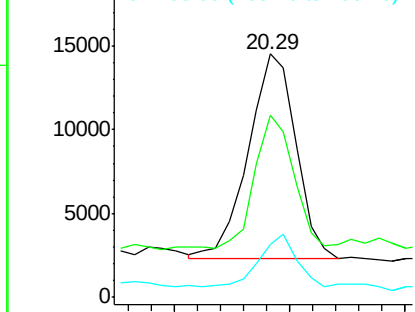


#81
Butylbenzylphthalate
Concen: 2.44 ng/ul
RT: 20.29 min Scan# 2993
Delta R.T. -0.01 min
Lab File: BM002222.D
Acq: 04 Aug 2015 22:42

Tgt Ion	Ratio	Lower	Upper
149	100		
91	74.6	50.6	76.0
206	21.8	19.8	29.6

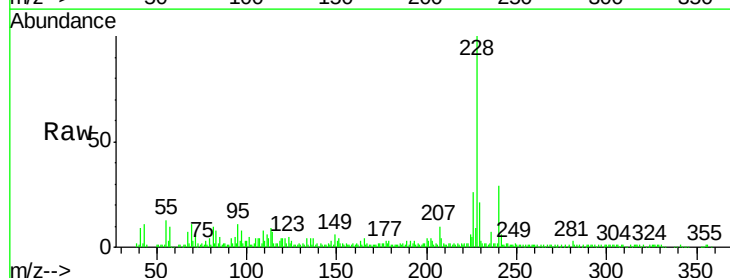


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM
Ion 206.00 (205.70 to 206.70): E

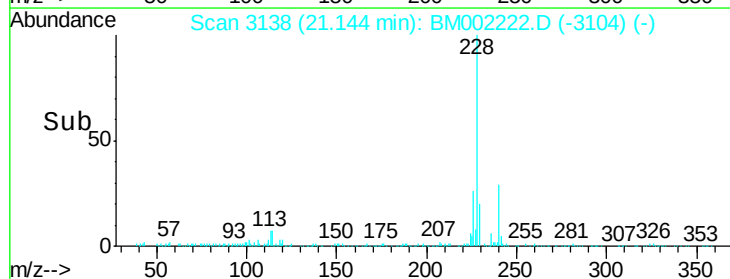
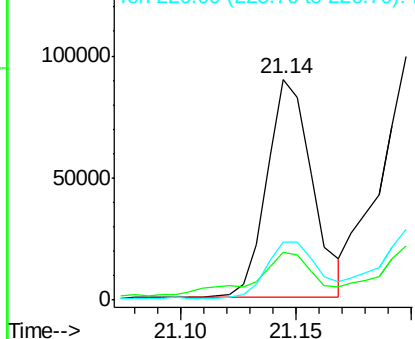


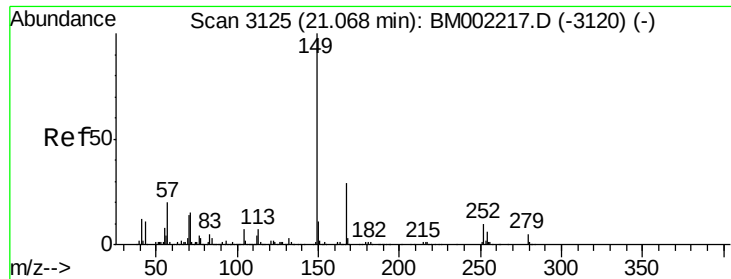
#83
Benzo(a)anthracene
Concen: 6.62 ng/ul
RT: 21.14 min Scan# 3138
Delta R.T. 0.00 min
Lab File: BM002222.D
Acq: 04 Aug 2015 22:42

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.9	23.9
226	26.4	20.6	31.0



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 511.40 ng/ul

RT: 21.09 min Scan# 3128

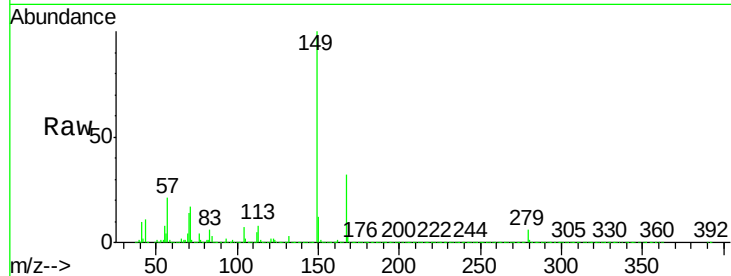
Delta R.T. 0.02 min

Lab File: BM002222.D

Acq: 04 Aug 2015 22:42

Tgt Ion:149 Resp: 5265537

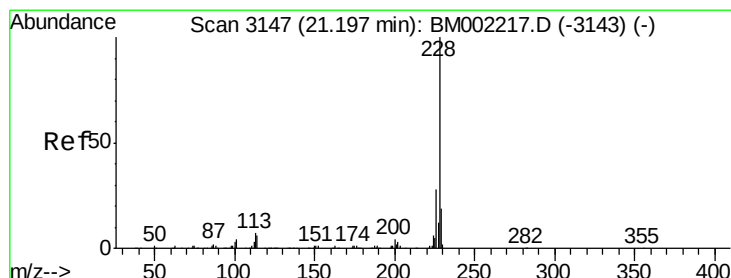
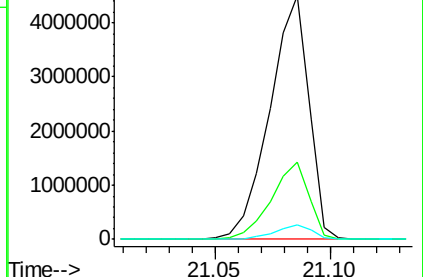
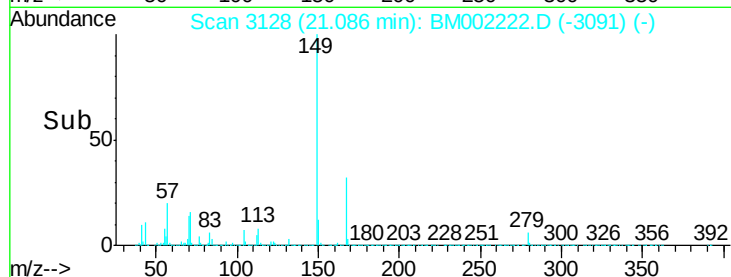
Ion	Ratio	Lower	Upper
149	100		
167	31.6	23.0	34.4
279	6.2	4.0	6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 8.57 ng/ul

RT: 21.20 min Scan# 3147

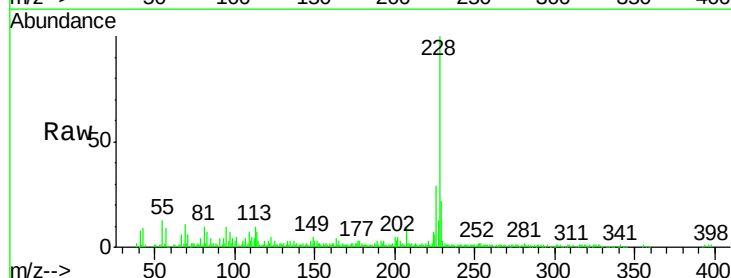
Delta R.T. 0.00 min

Lab File: BM002222.D

Acq: 04 Aug 2015 22:42

Tgt Ion:228 Resp: 144305

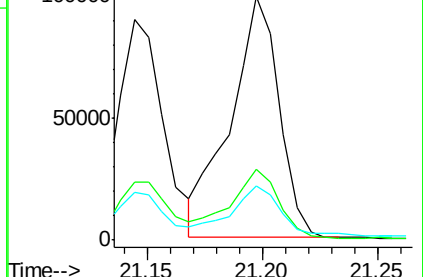
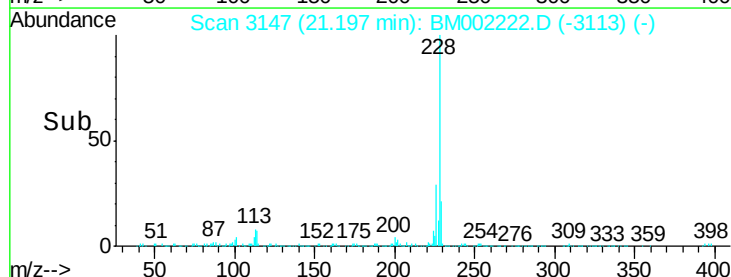
Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.2	33.4
229	22.2	15.5	23.3

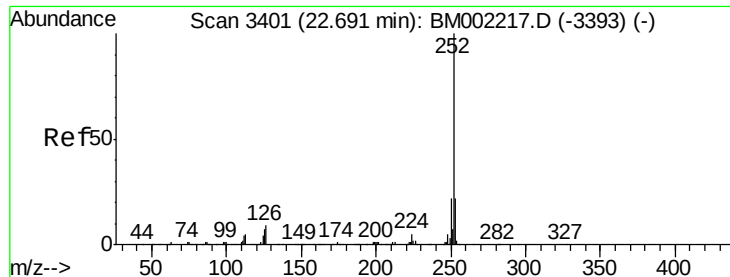


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 13.04 ng/ul

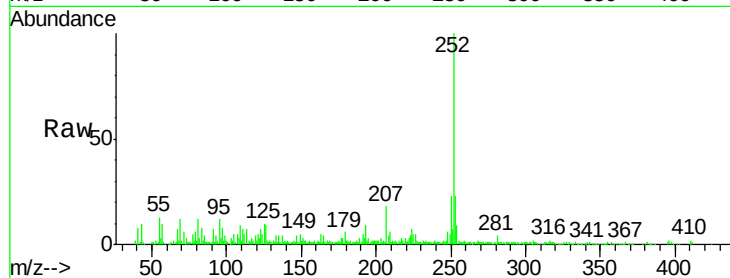
RT: 22.70 min Scan# 3402

Delta R.T. 0.01 min

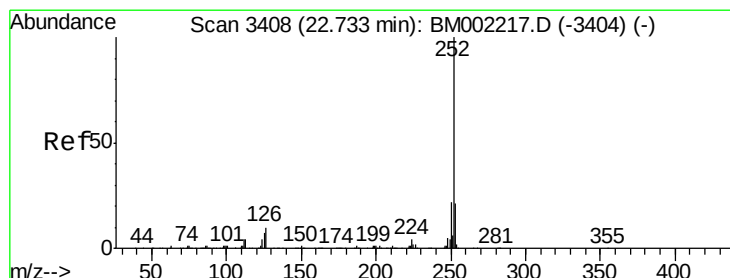
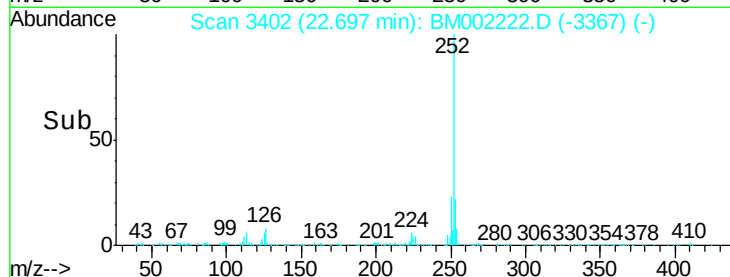
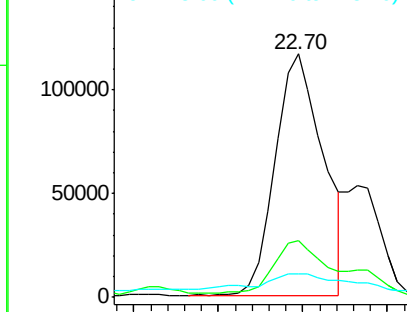
Lab File: BM002222.D

Acq: 04 Aug 2015 22:42

Tgt Ion:	252	Resp:	228794
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	9.7	5.4	8.2#



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



#89

Benzo(k)fluoranthene

Concen: 6.25 ng/ul

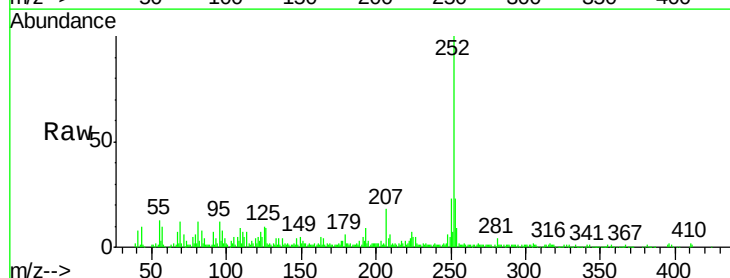
RT: 22.70 min Scan# 3402

Delta R.T. -0.04 min

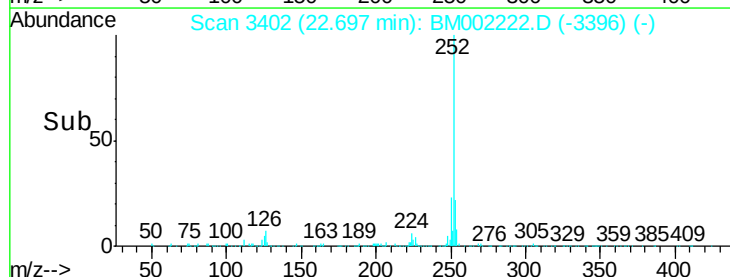
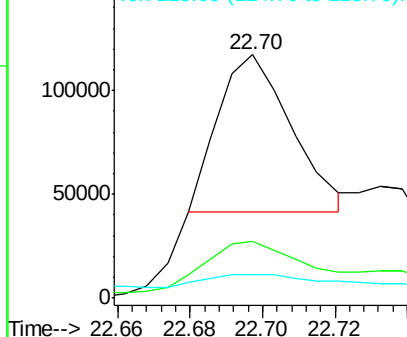
Lab File: BM002222.D

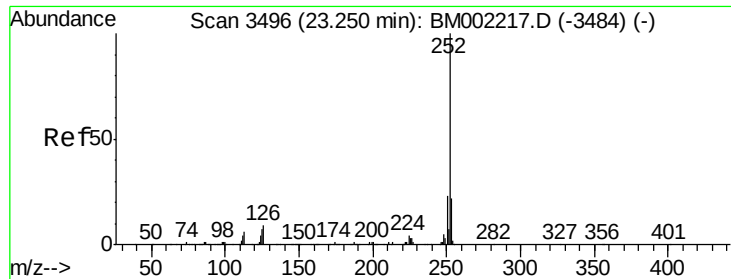
Acq: 04 Aug 2015 22:42

Tgt Ion:	252	Resp:	106315
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.2
125	9.7	5.6	8.4#



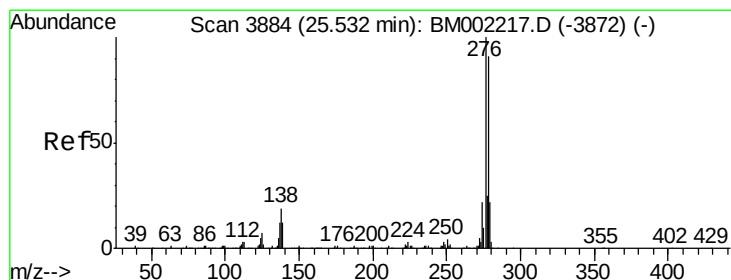
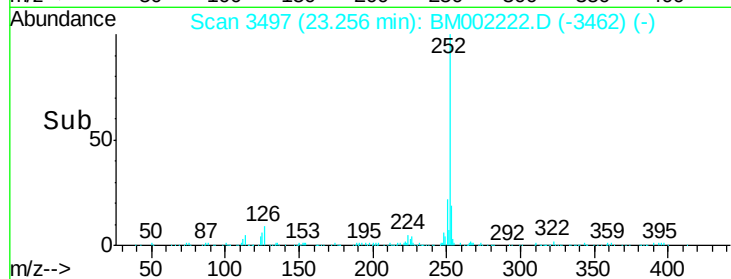
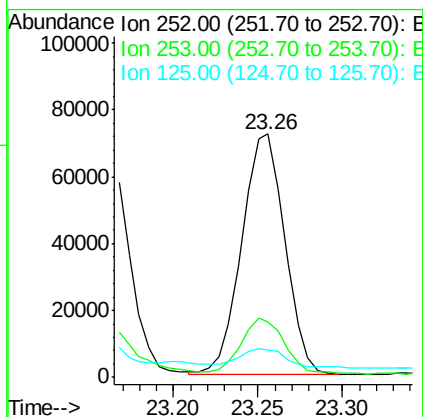
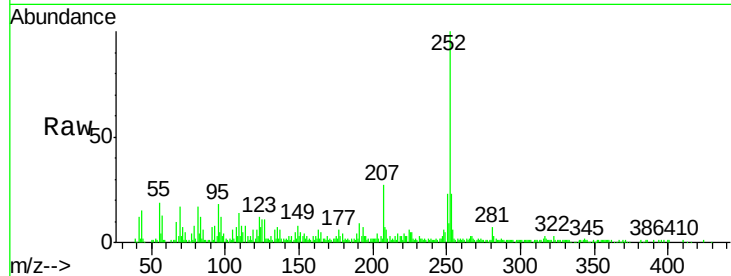
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





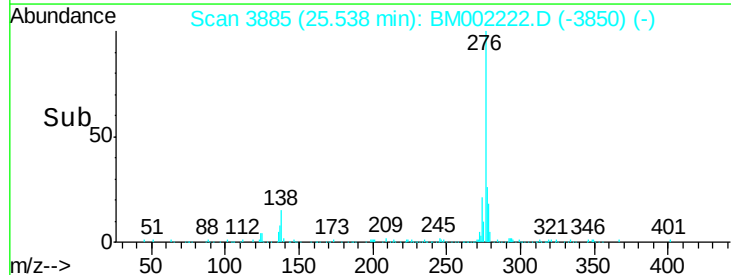
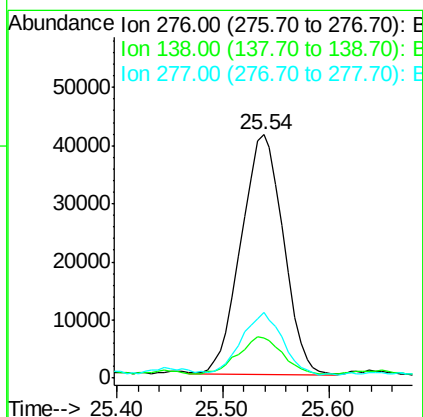
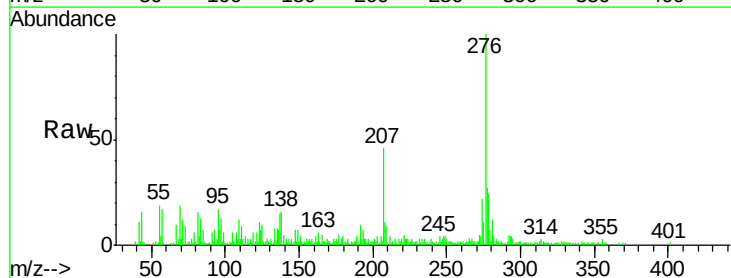
#91
Benzo(a)pyrene
Concen: 7.64 ng/ul
RT: 23.26 min Scan# 3497
Delta R.T. 0.01 min
Lab File: BM002222.D
Acq: 04 Aug 2015 22:42

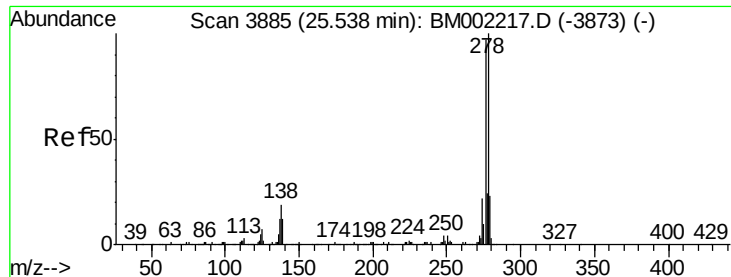
Tgt Ion:	252	Resp:	128000
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.4	26.0
125	11.1	6.1	9.1#



#92
Indeno(1,2,3-cd)pyrene
Concen: 6.11 ng/ul
RT: 25.54 min Scan# 3885
Delta R.T. 0.01 min
Lab File: BM002222.D
Acq: 04 Aug 2015 22:42

Tgt Ion:	276	Resp:	115343
Ion Ratio	Lower	Upper	
276	100		
138	16.2	15.4	23.0
277	27.0	20.2	30.2





#93

Dibenzo(a,h)anthracene

Concen: 2.01 ng/ul

RT: 25.54 min Scan# 3885

Delta R.T. 0.00 min

Lab File: BM002222.D

Acq: 04 Aug 2015 22:42

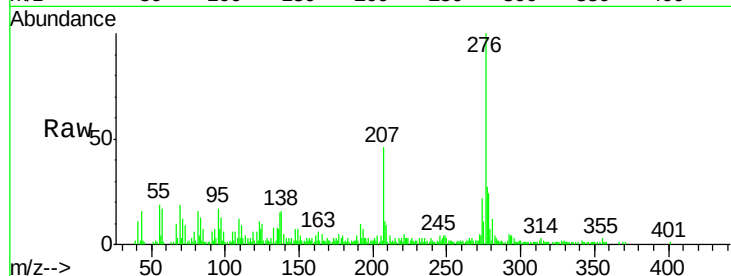
Tgt Ion: 278 Resp: 32305

Ion Ratio Lower Upper

278 100

139 22.1 10.4 15.6#

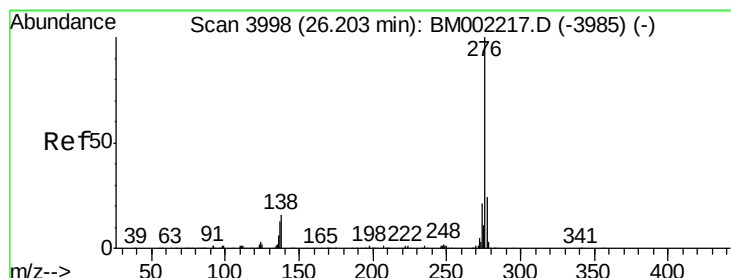
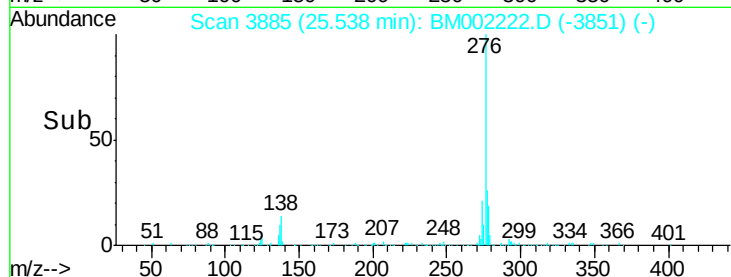
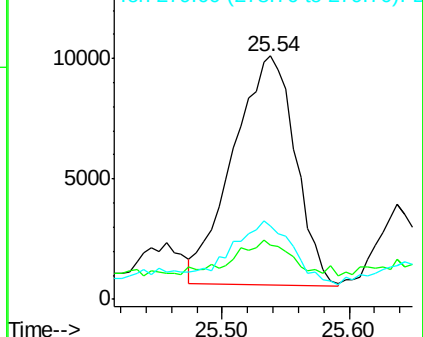
279 30.3 17.9 26.9#



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



#94

Benzo(g,h,i)perylene

Concen: 6.74 ng/ul

RT: 26.21 min Scan# 4000

Delta R.T. 0.01 min

Lab File: BM002222.D

Acq: 04 Aug 2015 22:42

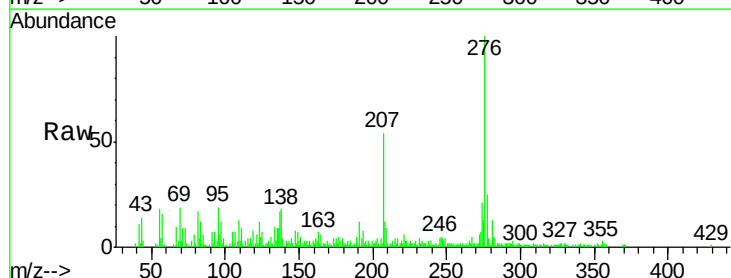
Tgt Ion: 276 Resp: 106101

Ion Ratio Lower Upper

276 100

138 18.0 12.5 18.7

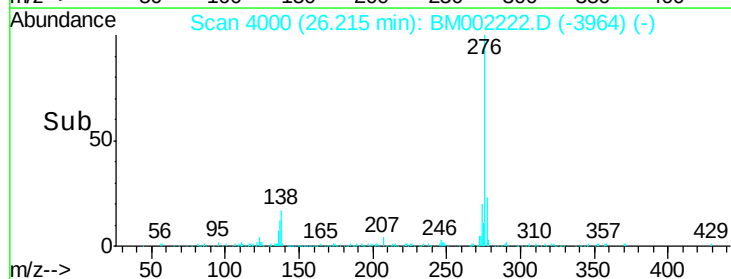
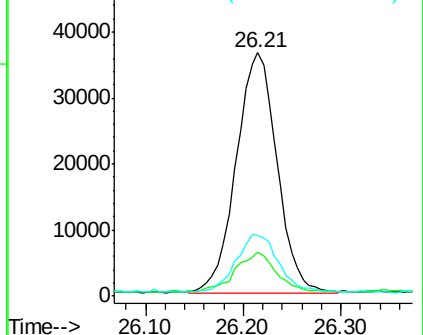
277 24.9 19.4 29.0



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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
 Data File : BM002223.D
 Acq On : 04 Aug 2015 23:18
 Operator : TP/UM
 Sample : G3095-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 05 02:58:04 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:56:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	149809	20.00	ng/ul	0.00
18) Naphthalene-d8	10.31	136	546062	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.20	164	285598	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	604134	20.00	ng/ul	0.00
78) Chrysene-d12	21.17	240	755356	20.00	ng/ul	0.00
86) Perylene-d12	23.38	264	813704	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	3648	1.38	ng/uL	0.00
5) Phenol-d5	6.72	99	86906	7.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	50340	8.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	78035	8.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	66344	7.18	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	36521	9.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	39504	8.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	71235	7.97	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	32460	3.28	ng/ul	0.00
44) Dimethylphthalate-d6	13.61	166	193844	9.33	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	240746	9.17	ng/ul	0.00
52) 4-Nitrophenol-d4	14.45	143	15735	5.85	ng/ul	0.00
58) Fluorene-d10	15.20	176	167891	9.15	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	7958	2.29	ng/ul	0.00
71) Anthracene-d10	17.06	188	248168	9.23	ng/ul	0.00
79) Pyrene-d10	19.36	212	284564	7.87	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.23	264	361508	9.15	ng/ul	0.03

Target Compounds

					Qvalue
24) 2,4-Dimethylphenol	9.54	107	13425	1.40 ng/ul	92
32) Caprolactam	11.32	113	3355	1.47 ng/ul#	1
34) 2-Methylnaphthalene	11.99	142	26871	1.35 ng/ul	95
45) Dimethylphthalate	13.66	163	78564	3.79 ng/ul	98
48) Acenaphthylene	13.92	152	110397	4.12 ng/ul	93
50) Acenaphthene	14.26	153	34758	1.99 ng/ul	97
54) Dibenzofuran	14.60	168	31355	1.24 ng/ul	91
59) Fluorene	15.26	166	48824	2.34 ng/ul	96
70) Phenanthrene	17.00	178	909185	29.31 ng/ul	100
72) Anthracene	17.09	178	216829	6.84 ng/ul	97
75) Carbazole	17.37	167	48476	1.83 ng/ul#	92
77) Fluoranthene	19.03	202	1574336	46.37 ng/ul	99
80) Pyrene	19.40	202	1764001	38.00 ng/ul	98
83) Benzo(a)anthracene	21.16	228	876394	20.71 ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.07	149	292716	12.29 ng/ul	100
85) Chrysene	21.21	228	886694	22.76 ng/ul	96
88) Benzo(b)fluoranthene	22.71	252	1235306	26.94 ng/ul#	94
91) Benzo(a)pyrene	23.28	252	813972	18.59 ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	25.57	276	523676	10.61 ng/ul	96
93) Dibenzo(a,h)anthracene	25.57	278	149795	3.56 ng/ul#	89
94) Benzo(g,h,i)perylene	26.25	276	497981	12.12 ng/ul	98

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002223.D
Acq On : 04 Aug 2015 23:18
Operator : TP/UM
Sample : G3095-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

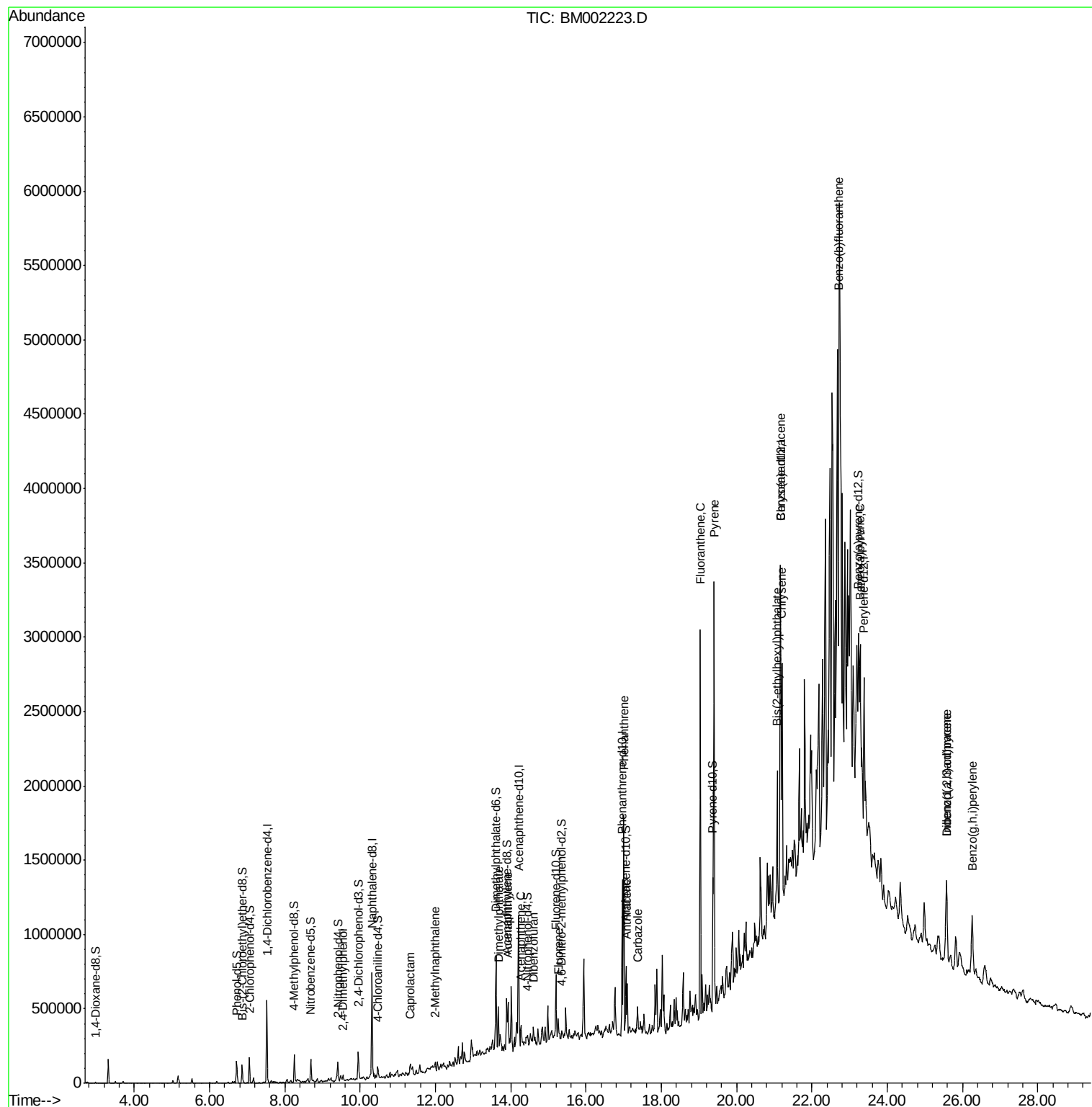
Quant Time: Aug 05 02:58:04 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:56:04 2015
Response via : Initial Calibration

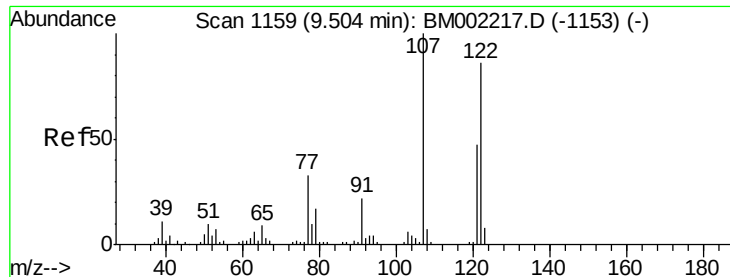
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002223.D
Acq On : 04 Aug 2015 23:18
Operator : TP/UM
Sample : G3095-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

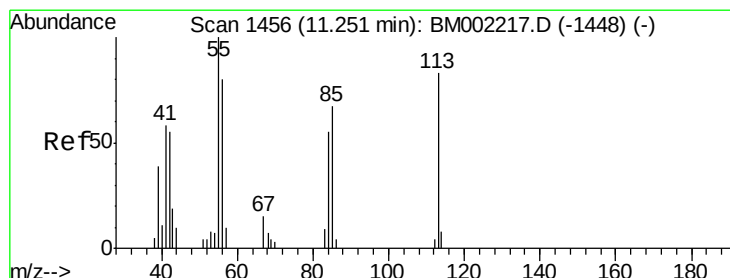
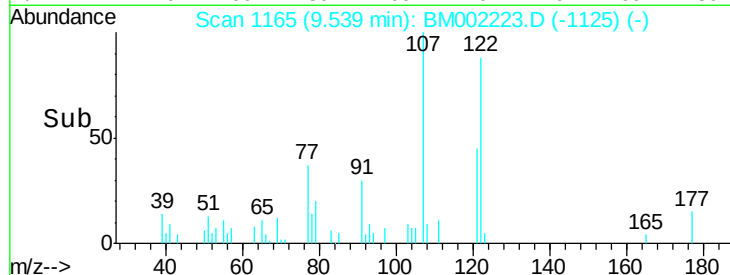
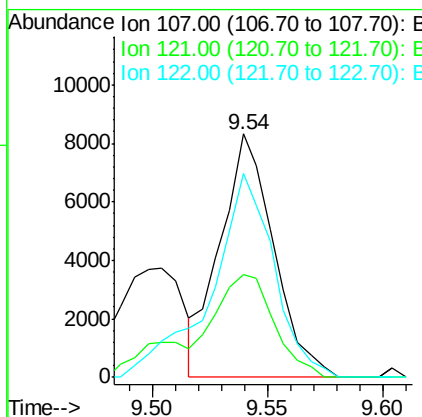
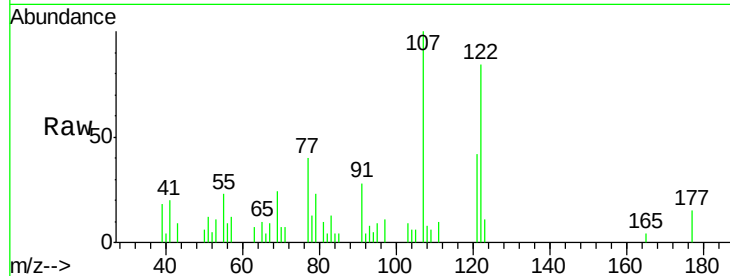
Quant Time: Aug 05 02:58:04 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:56:04 2015
Response via : Initial Calibration





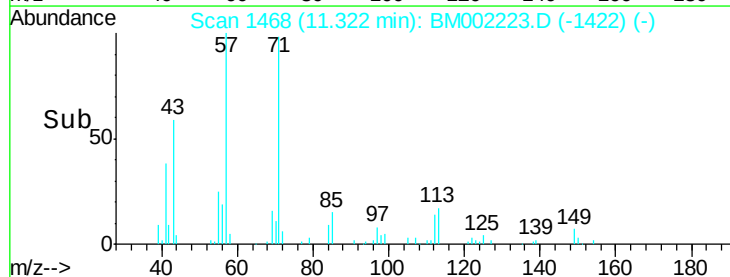
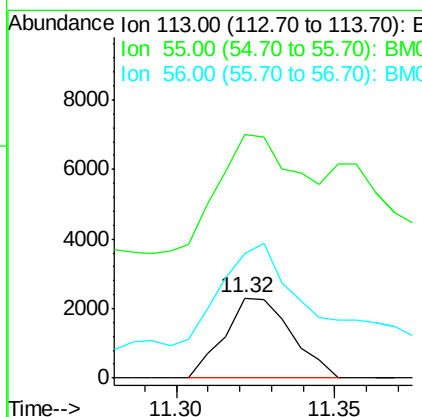
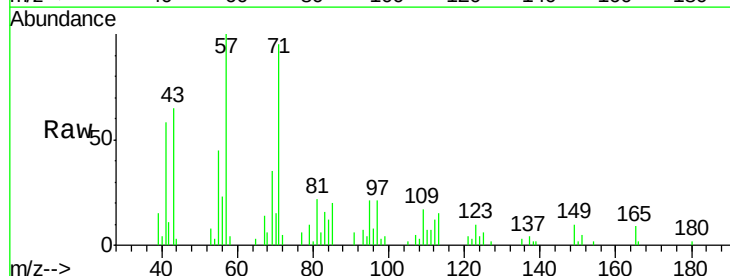
#24
2,4-Dimethylphenol
Concen: 1.40 ng/ul
RT: 9.54 min Scan# 1165
Delta R.T. 0.04 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

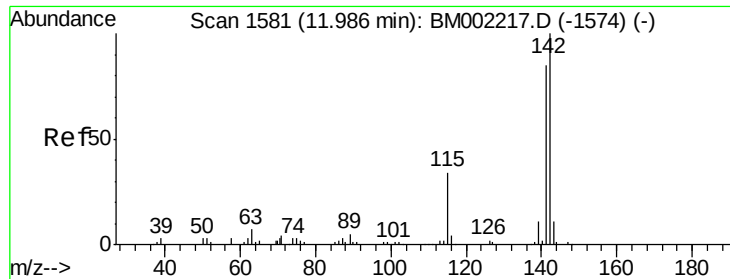
Tgt Ion:107 Resp: 13425
Ion Ratio Lower Upper
107 100
121 42.5 41.1 61.7
122 83.9 70.8 106.2



#32
Caprolactam
Concen: 1.47 ng/ul
RT: 11.32 min Scan# 1468
Delta R.T. 0.07 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

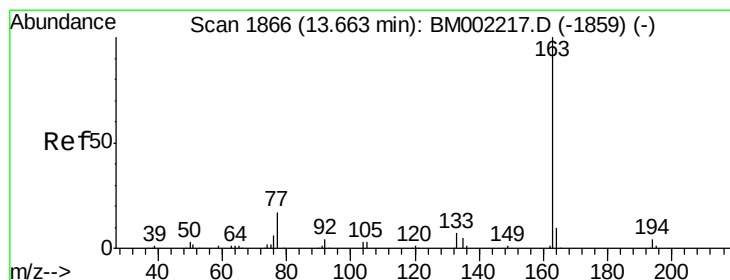
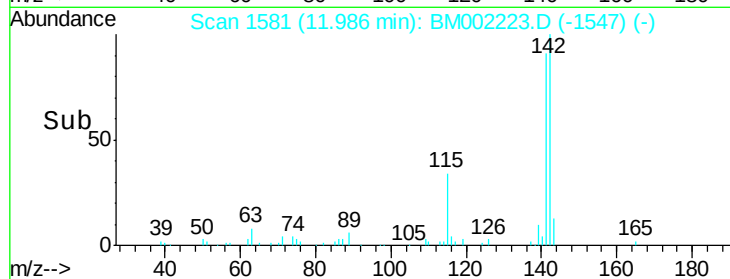
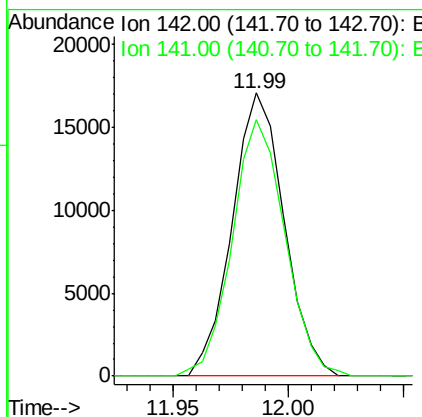
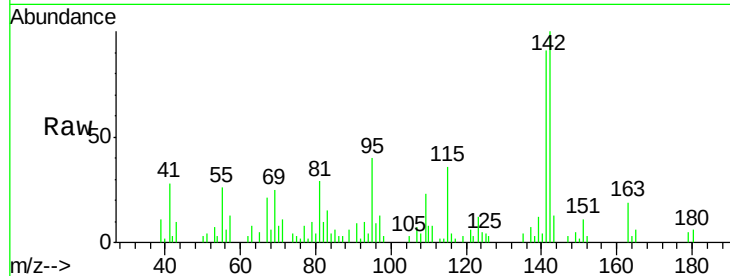
Tgt Ion:113 Resp: 3355
Ion Ratio Lower Upper
113 100
55 302.9 94.5 141.7#
56 154.4 79.5 119.3#





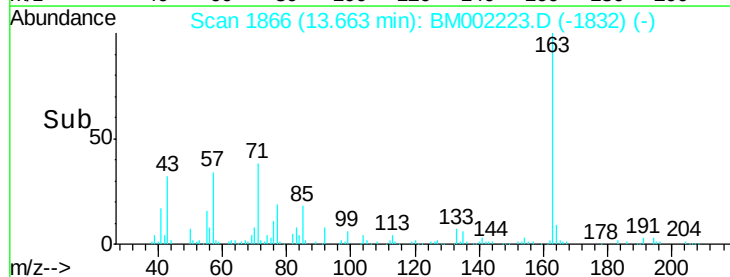
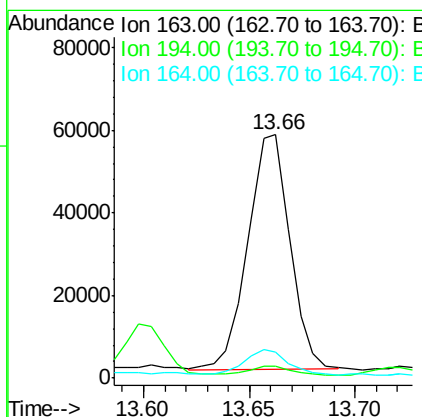
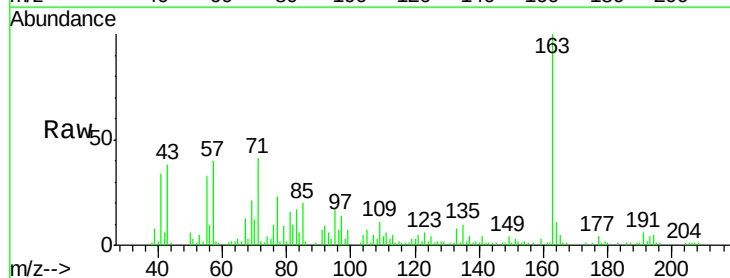
#34
 2-Methylnaphthalene
 Concen: 1.35 ng/ul
 RT: 11.99 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: BM002223.D
 Acq: 04 Aug 2015 23:18

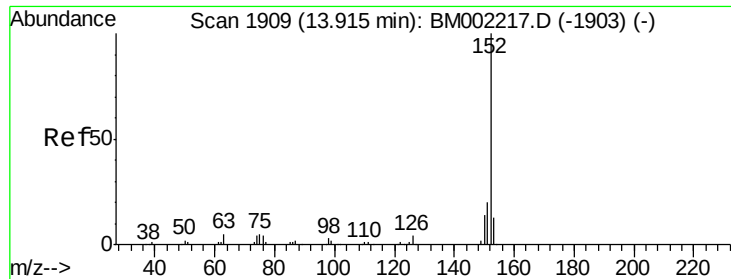
Tgt Ion:142 Resp: 26871
 Ion Ratio Lower Upper
 142 100
 141 90.5 68.9 103.3



#45
 Dimethylphthalate
 Concen: 3.79 ng/ul
 RT: 13.66 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: BM002223.D
 Acq: 04 Aug 2015 23:18

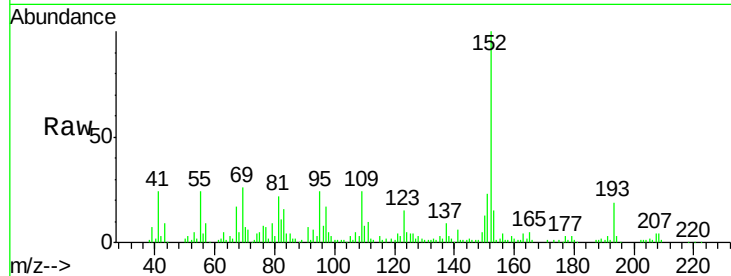
Tgt Ion:163 Resp: 78564
 Ion Ratio Lower Upper
 163 100
 194 4.7 3.4 5.2
 164 10.5 7.9 11.9



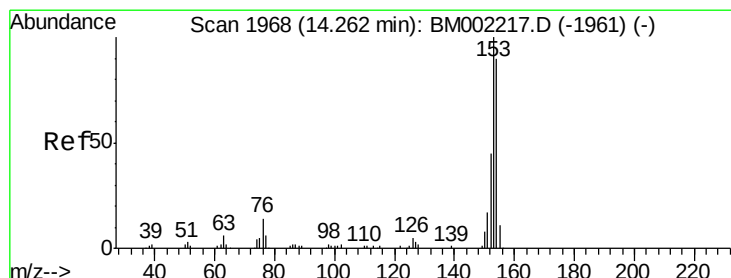
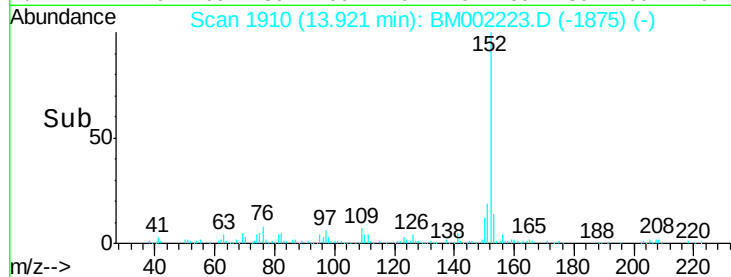
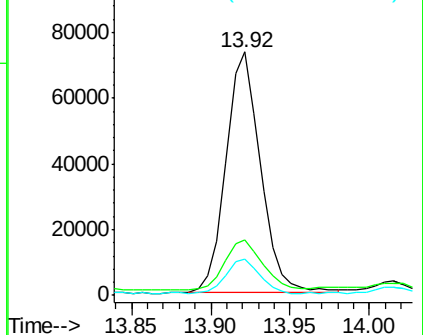


#48
Acenaphthylene
Concen: 4.12 ng/ul
RT: 13.92 min Scan# 1910
Delta R.T. 0.01 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

Tgt Ion:	152	Resp:	110397
Ion	Ratio	Lower	Upper
152	100		
151	22.6	15.2	22.8
153	14.7	10.3	15.5

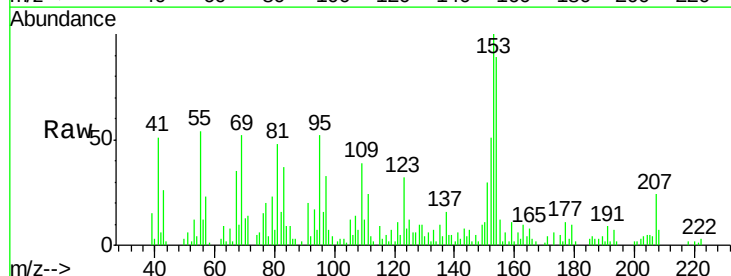


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

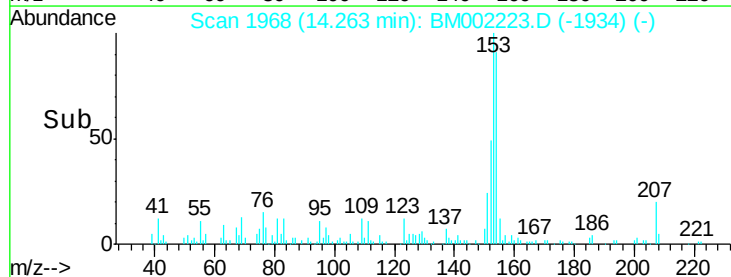
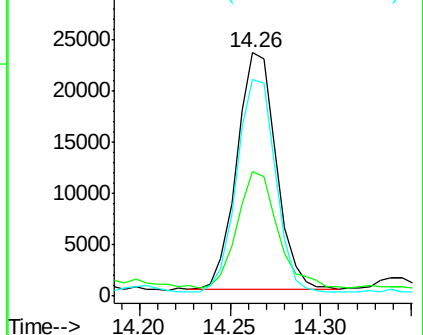


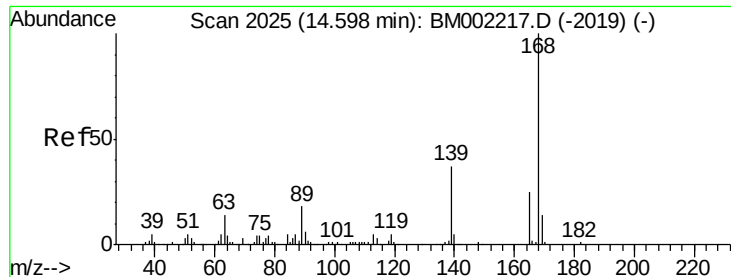
#50
Acenaphthene
Concen: 1.99 ng/ul
RT: 14.26 min Scan# 1968
Delta R.T. 0.00 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

Tgt Ion:	153	Resp:	34758
Ion	Ratio	Lower	Upper
153	100		
152	51.2	36.6	54.8
154	89.2	71.7	107.5



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 1.24 ng/ul

RT: 14.60 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BM002223.D

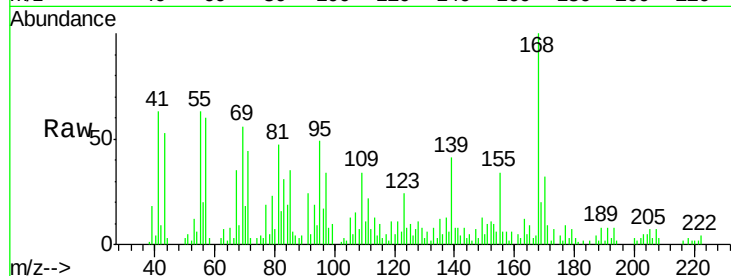
Acq: 04 Aug 2015 23:18

Tgt Ion:168 Resp: 31355

Ion Ratio Lower Upper

168 100

139 41.1 28.6 42.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

25000

20000

15000

10000

5000

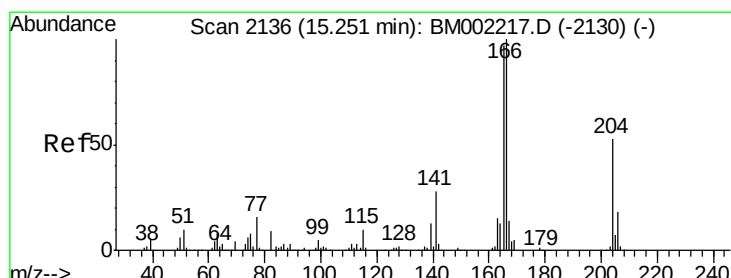
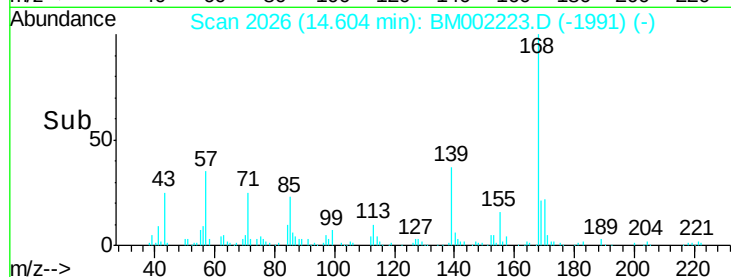
0

14.55

14.60

14.65

Time-->



#59

Fluorene

Concen: 2.34 ng/ul

RT: 15.26 min Scan# 2137

Delta R.T. 0.01 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

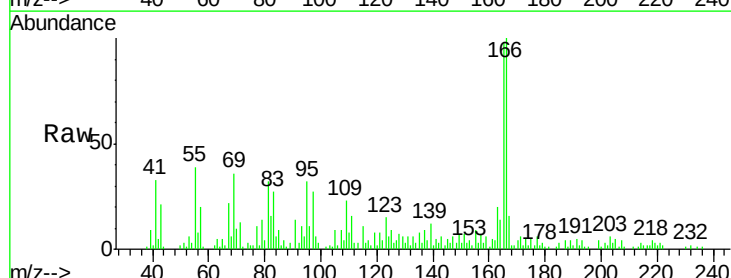
Tgt Ion:166 Resp: 48824

Ion Ratio Lower Upper

166 100

165 98.2 76.0 114.0

167 15.7 10.5 15.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

40000

30000

20000

10000

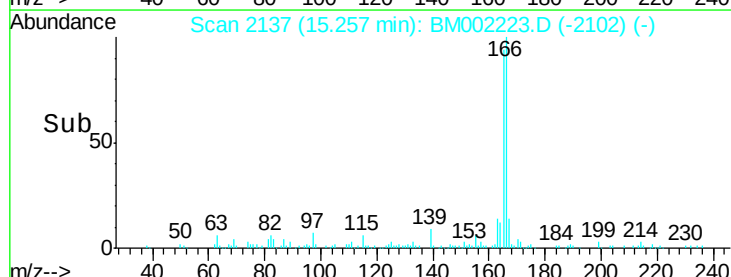
0

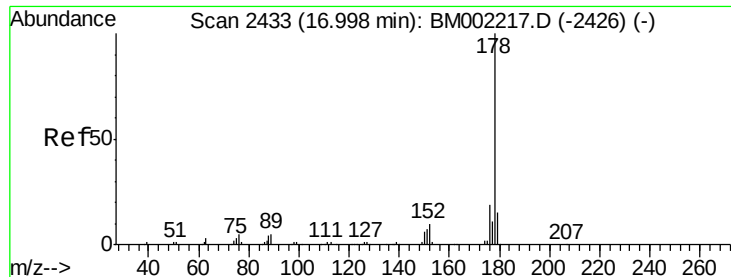
15.20

15.25

15.30

Time-->





#70

Phenanthrene

Concen: 29.31 ng/ul

RT: 17.00 min Scan# 2434

Delta R.T. 0.01 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

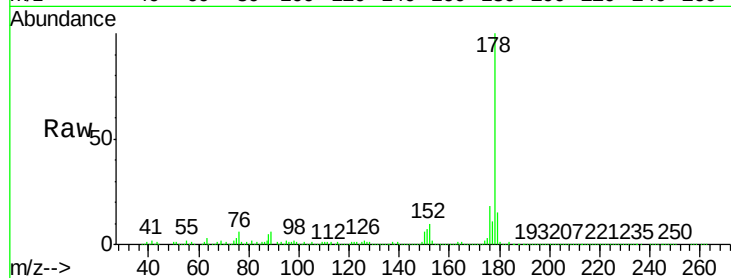
Tgt Ion:178 Resp: 909185

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

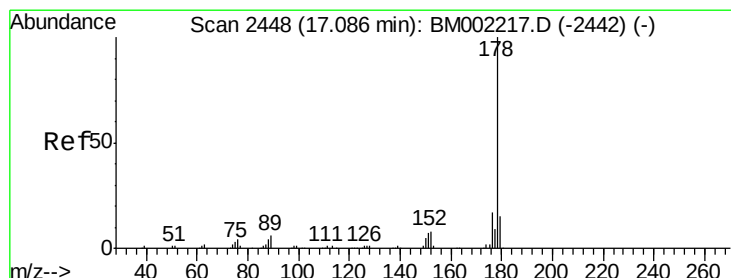
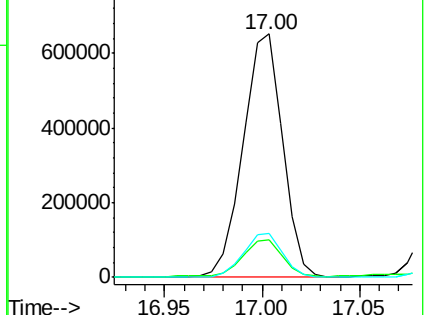
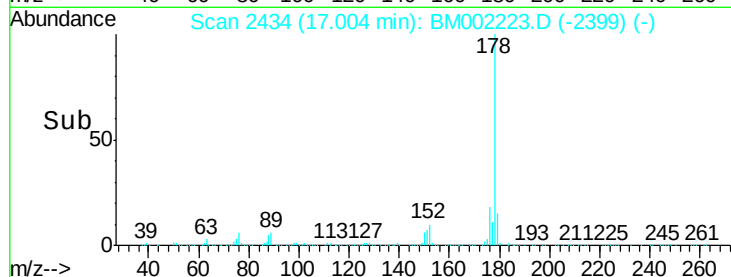
176 18.0 14.6 21.8



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



#72

Anthracene

Concen: 6.84 ng/ul

RT: 17.09 min Scan# 2449

Delta R.T. 0.01 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

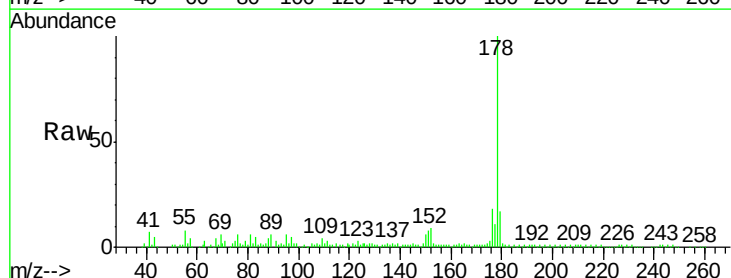
Tgt Ion:178 Resp: 216829

Ion Ratio Lower Upper

178 100

179 16.8 12.2 18.2

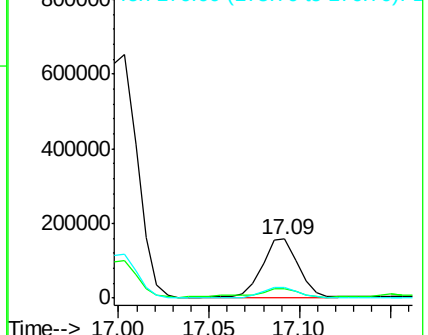
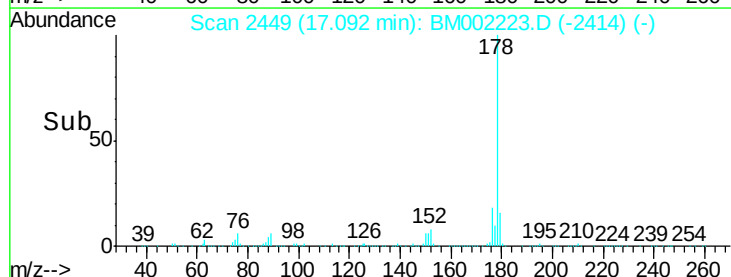
176 17.9 13.8 20.6

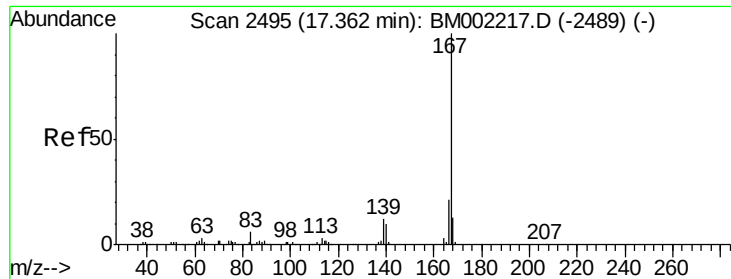


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

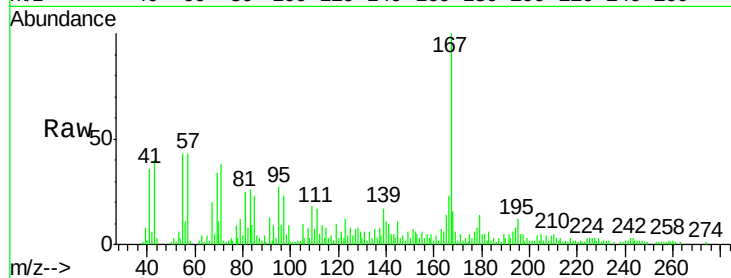
Ion 176.00 (175.70 to 176.70): E



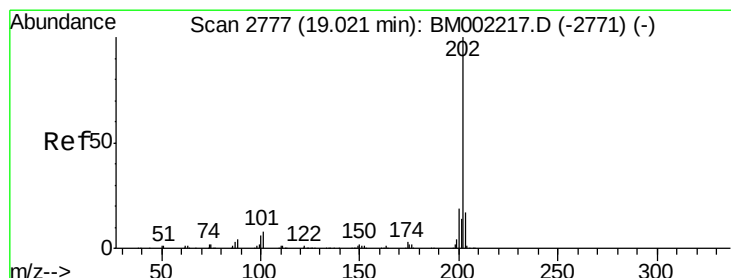
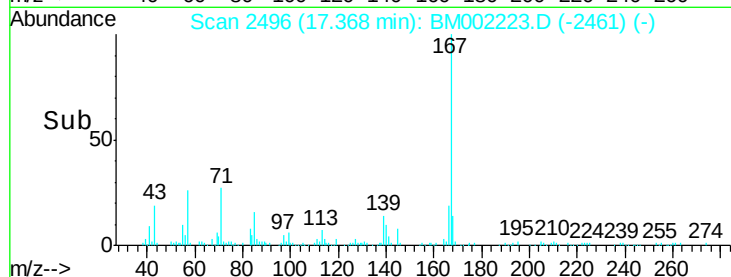
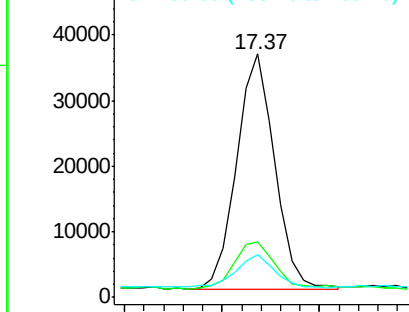


#75
 Carbazole
 Concen: 1.83 ng/ul
 RT: 17.37 min Scan# 2496
 Delta R.T. 0.01 min
 Lab File: BM002223.D
 Acq: 04 Aug 2015 23:18

Tgt Ion:	167	Resp:	48476
Ion	Ratio	Lower	Upper
167	100		
166	22.7	16.7	25.1
139	17.4	9.4	14.2

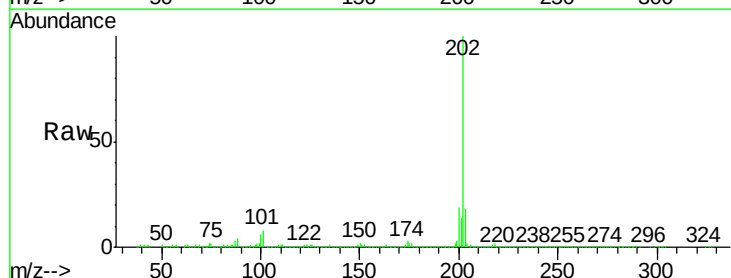


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

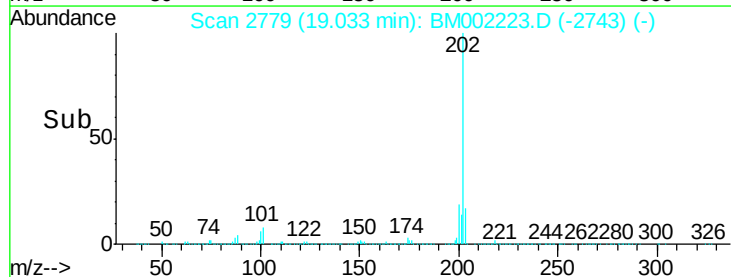
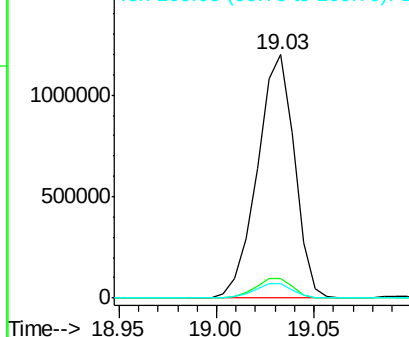


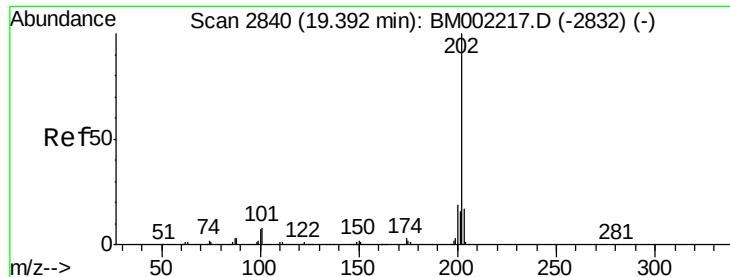
#77
 Fluoranthene
 Concen: 46.37 ng/ul
 RT: 19.03 min Scan# 2779
 Delta R.T. 0.01 min
 Lab File: BM002223.D
 Acq: 04 Aug 2015 23:18

Tgt Ion:	202	Resp:	1574336
Ion	Ratio	Lower	Upper
202	100		
101	8.0	6.2	9.2
100	6.1	4.8	7.2



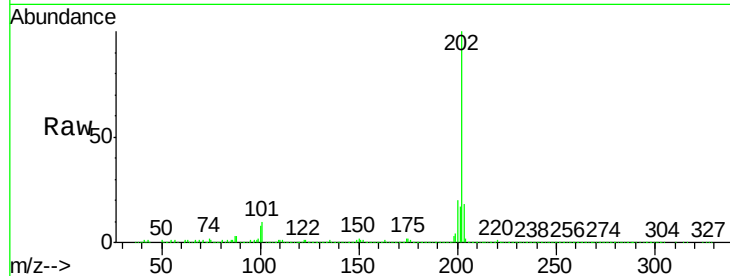
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B



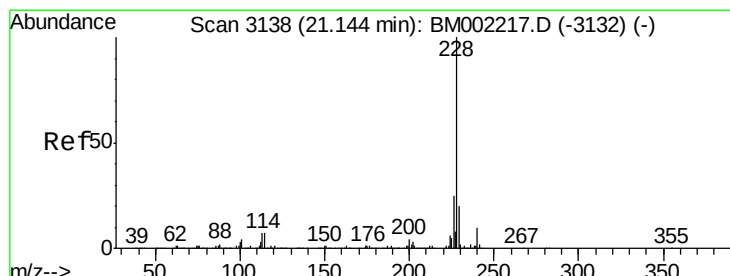
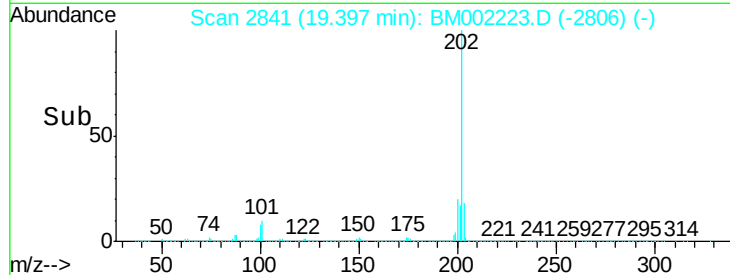
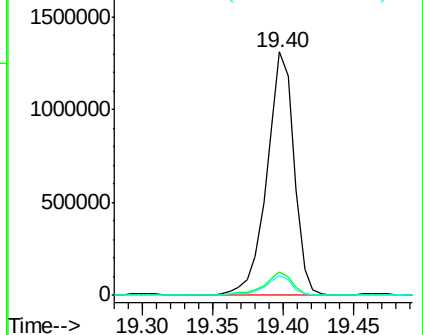


#80
Pyrene
Concen: 38.00 ng/ul
RT: 19.40 min Scan# 2841
Delta R.T. 0.01 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

Tgt Ion:	202	Resp:	1764001
Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.0	10.6
100	8.2	5.8	8.8

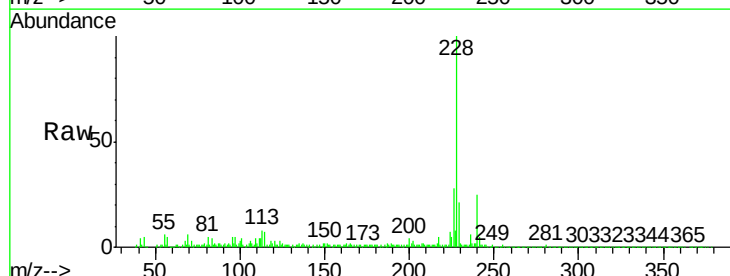


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

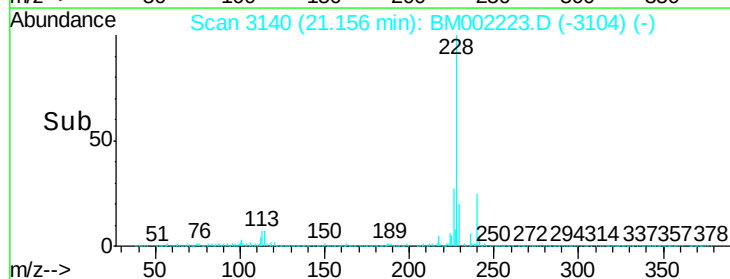
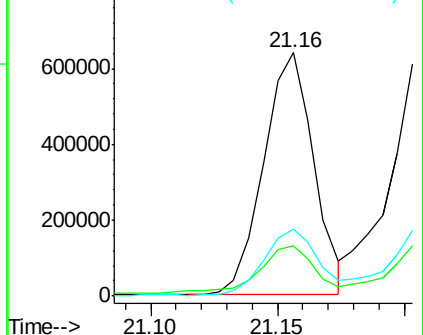


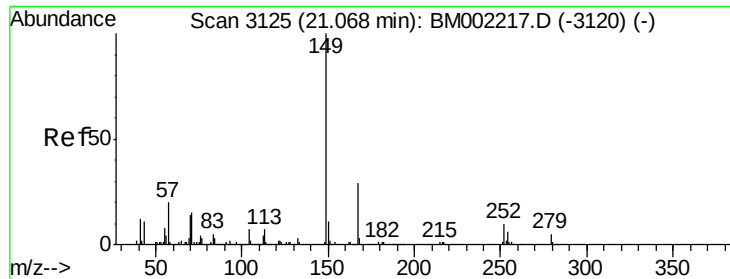
#83
Benzo(a)anthracene
Concen: 20.71 ng/ul
RT: 21.16 min Scan# 3140
Delta R.T. 0.01 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

Tgt Ion:	228	Resp:	876394
Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.9	23.9
226	27.6	20.6	31.0



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 12.29 ng/ul

RT: 21.07 min Scan# 3126

Delta R.T. 0.01 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

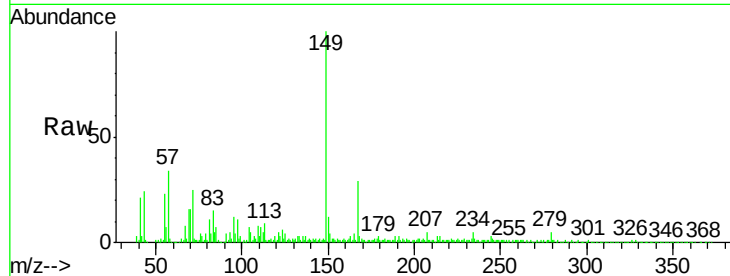
Tgt Ion:149 Resp: 292716

Ion Ratio Lower Upper

149 100

167 28.9 23.0 34.4

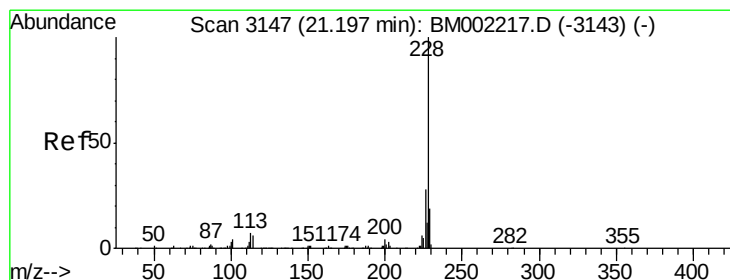
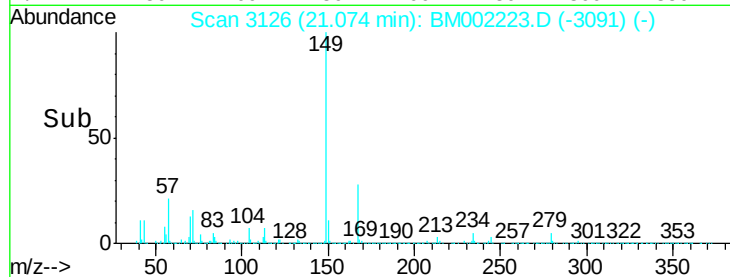
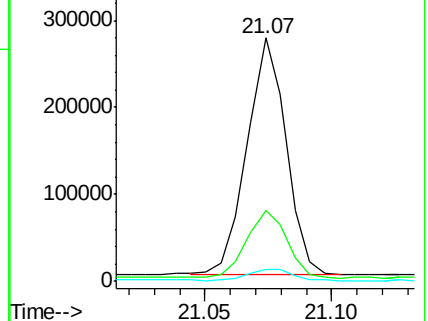
279 5.0 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 22.76 ng/ul

RT: 21.21 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

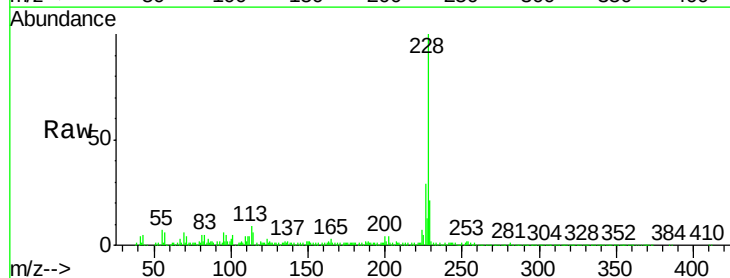
Tgt Ion:228 Resp: 886694

Ion Ratio Lower Upper

228 100

226 29.3 22.2 33.4

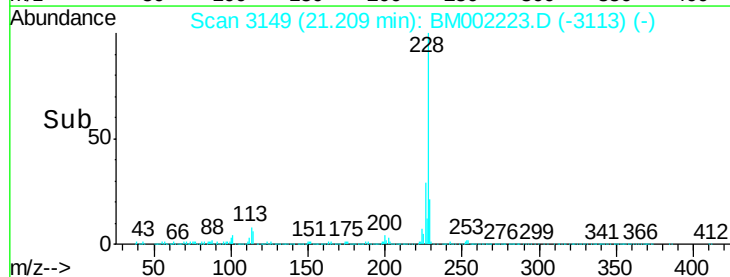
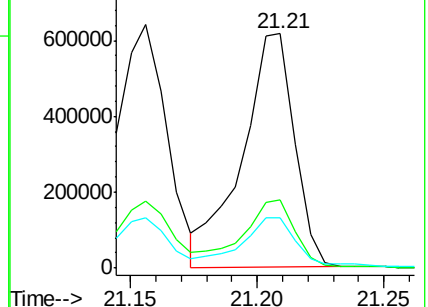
229 21.5 15.5 23.3

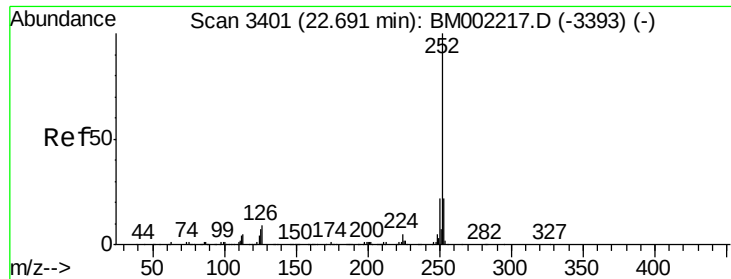


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 26.94 ng/ul

RT: 22.71 min Scan# 3405

Delta R.T. 0.02 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

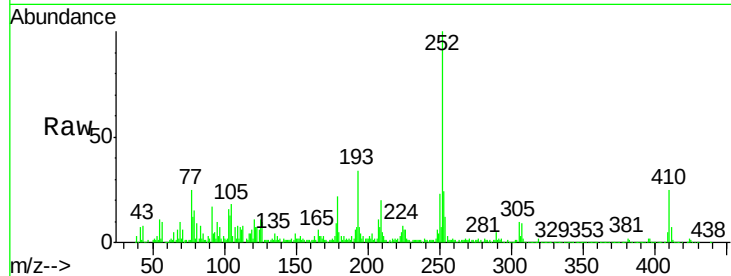
Tgt Ion:252 Resp: 1235306

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

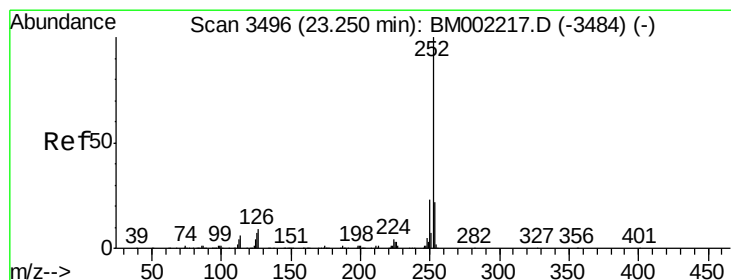
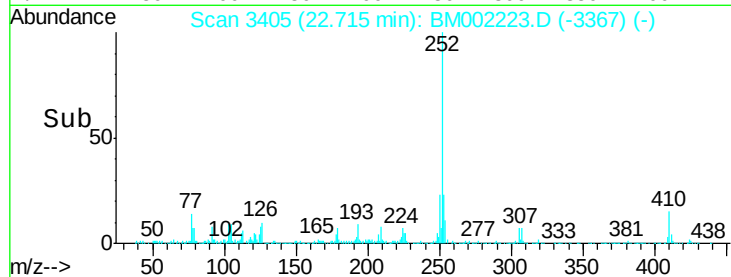
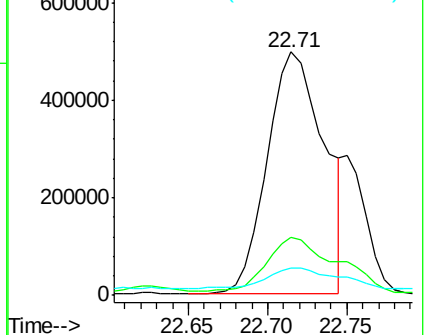
125 11.1 5.4 8.2#



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



#91

Benzo(a)pyrene

Concen: 18.59 ng/ul

RT: 23.28 min Scan# 3501

Delta R.T. 0.03 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

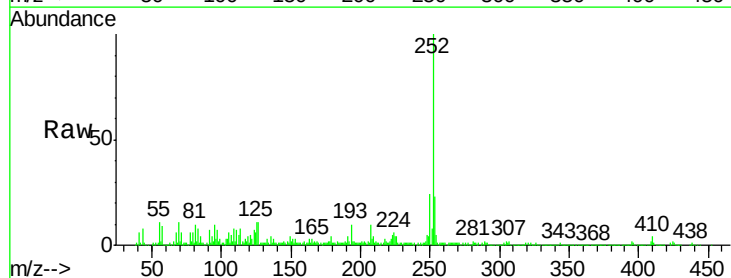
Tgt Ion:252 Resp: 813972

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

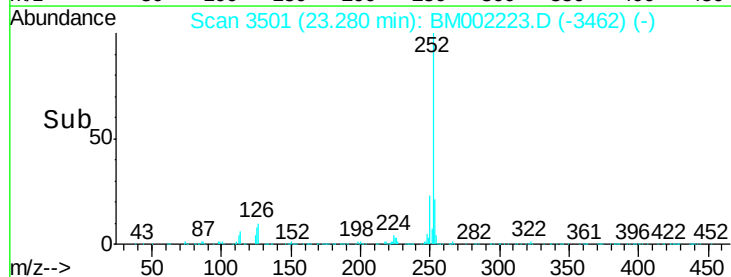
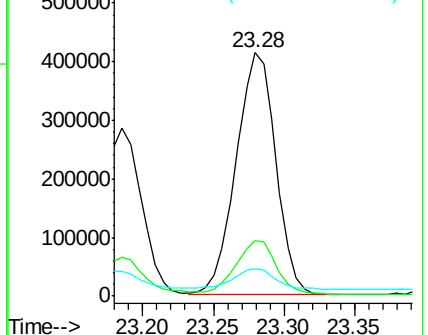
125 11.0 6.1 9.1#

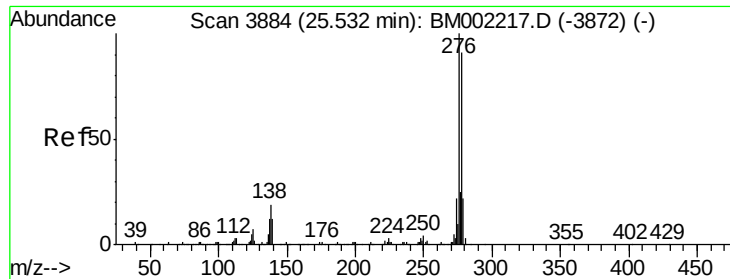


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

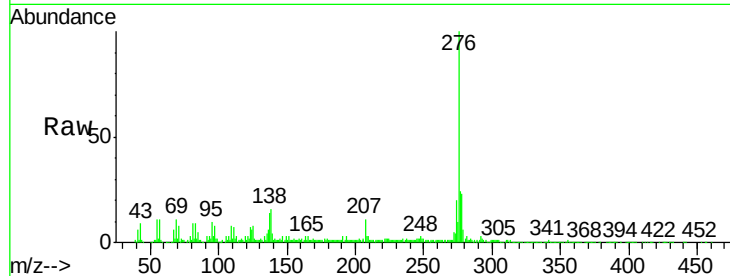




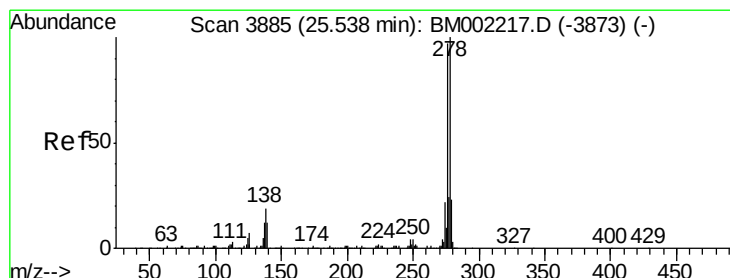
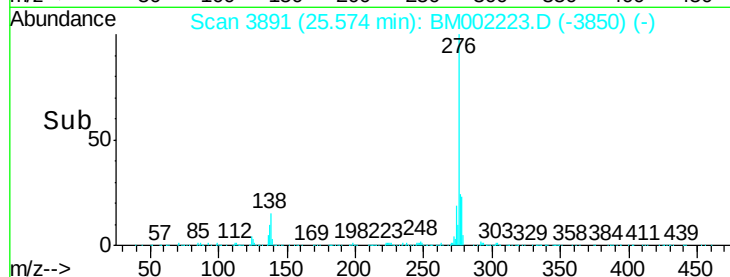
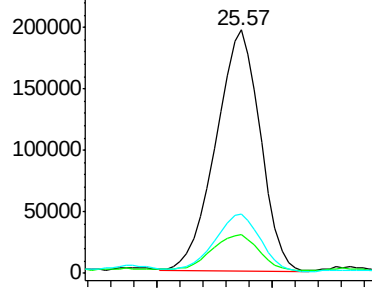
#92

Indeno(1,2,3-cd)pyrene
Concen: 10.61 ng/ul
RT: 25.57 min Scan# 3891
Delta R.T. 0.04 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.1	15.4	23.0
277	24.2	20.2	30.2



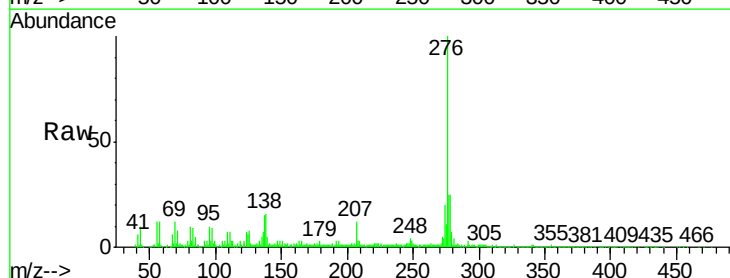
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



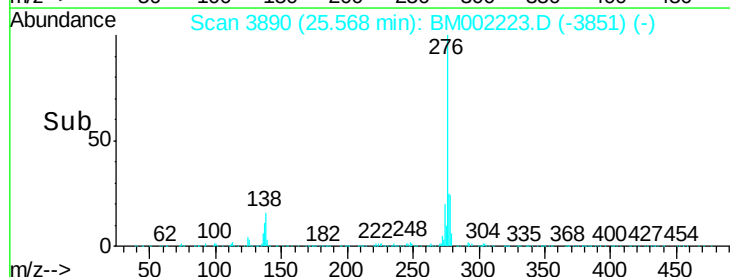
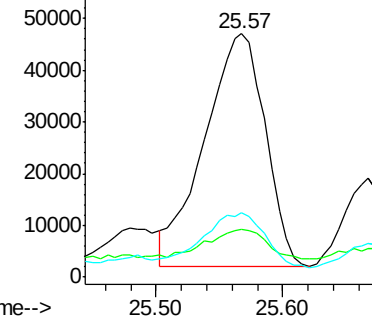
#93

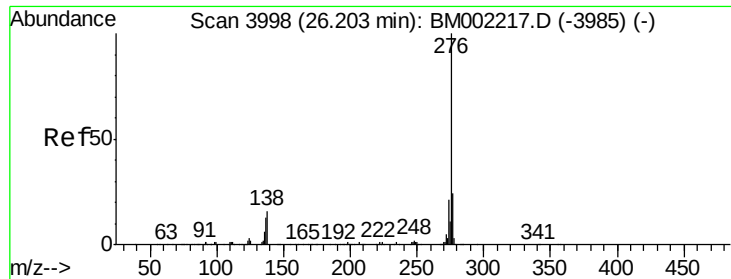
Dibenzo(a,h)anthracene
Concen: 3.56 ng/ul
RT: 25.57 min Scan# 3890
Delta R.T. 0.03 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.8	10.4	15.6#
279	26.3	17.9	26.9



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





#94

Benzo(g,h,i)perylene

Concen: 12.12 ng/ul

RT: 26.25 min Scan# 4006

Delta R.T. 0.05 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

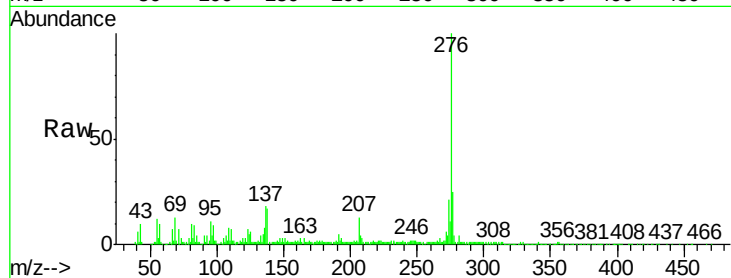
Tgt Ion: 276 Resp: 497981

Ion Ratio Lower Upper

276 100

138 16.6 12.5 18.7

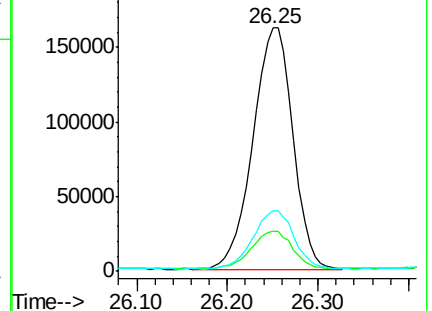
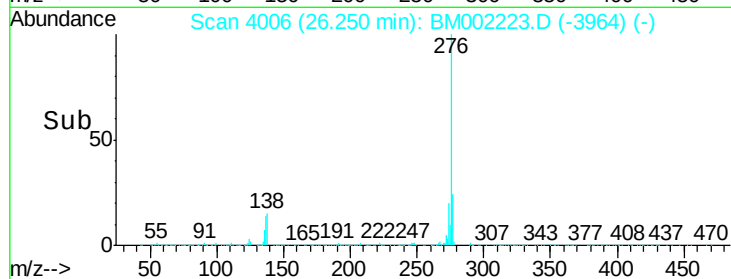
277 24.9 19.4 29.0



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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
 Data File : BM002224.D
 Acq On : 04 Aug 2015 23:55
 Operator : TP/UM
 Sample : G3095-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 05 02:58:19 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:56:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	137720	20.00	ng/ul	0.00
18) Naphthalene-d8	10.31	136	521294	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.20	164	287896	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	624349	20.00	ng/ul	0.00
78) Chrysene-d12	21.17	240	793703	20.00	ng/ul	0.01
86) Perylene-d12	23.37	264	819459	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	5323	2.20	ng/uL	0.00
5) Phenol-d5	6.72	99	124769	12.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	68728	12.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	111071	12.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	97556	11.48	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	51162	13.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	58409	13.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	104686	12.27	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	55591	5.89	ng/ul	0.00
44) Dimethylphthalate-d6	13.62	166	277883	13.27	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	351705	13.29	ng/ul	0.00
52) 4-Nitrophenol-d4	14.45	143	31828	11.73	ng/ul	0.00
58) Fluorene-d10	15.20	176	246720	13.34	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	18311	5.09	ng/ul	0.00
71) Anthracene-d10	17.06	188	367490	13.22	ng/ul	0.00
79) Pyrene-d10	19.37	212	415473	10.94	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.23	264	506506	12.73	ng/ul	0.03

Target Compounds

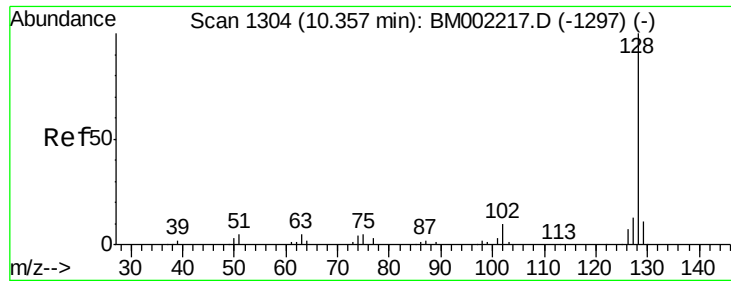
						Qvalue
28) Naphthalene	10.36	128	29224	1.19	ng/ul	98
34) 2-Methylnaphthalene	11.99	142	20497	1.08	ng/ul	97
45) Dimethylphthalate	13.66	163	115055	5.51	ng/ul	99
48) Acenaphthylene	13.92	152	56428	2.09	ng/ul	93
50) Acenaphthene	14.26	153	56581	3.21	ng/ul	98
54) Dibenzofuran	14.60	168	33331	1.30	ng/ul	95
59) Fluorene	15.26	166	53546	2.55	ng/ul	95
70) Phenanthrene	17.00	178	1020116	31.82	ng/ul	100
72) Anthracene	17.09	178	254344	7.76	ng/ul	98
75) Carbazole	17.37	167	68888	2.52	ng/ul	97
77) Fluoranthene	19.04	202	2492742	71.05	ng/ul	99
80) Pyrene	19.40	202	2442926	50.08	ng/ul	97
83) Benzo(a)anthracene	21.16	228	1525161	34.30	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.07	149	134901	5.39	ng/ul	98
85) Chrysene	21.21	228	1411923	34.49	ng/ul	96
88) Benzo(b)fluoranthene	22.72	252	1993745	43.18	ng/ul#	96
89) Benzo(k)fluoranthene	22.72	252	488806	10.93	ng/ul#	96
91) Benzo(a)pyrene	23.28	252	1415053	32.09	ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	25.58	276	927034	18.66	ng/ul	97
93) Dibenzo(a,h)anthracene	25.58	278	247524	5.84	ng/ul#	90
94) Benzo(g,h,i)perylene	26.26	276	850350	20.55	ng/ul	99

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002224.D
Acq On : 04 Aug 2015 23:55
Operator : TP/UM
Sample : G3095-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 05 02:58:19 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:56:04 2015
Response via : Initial Calibration

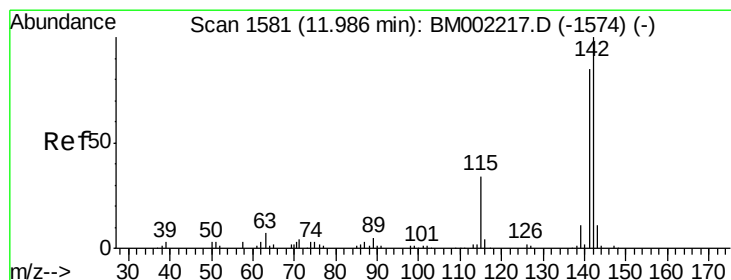
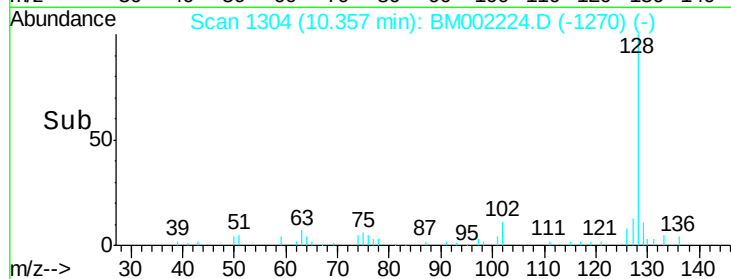
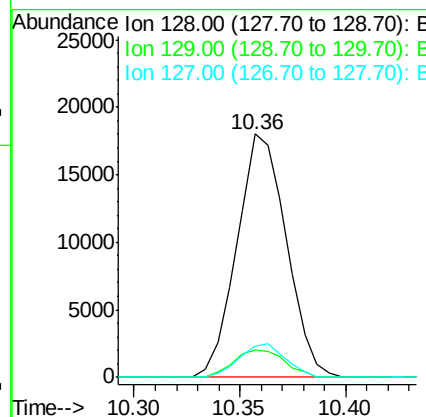
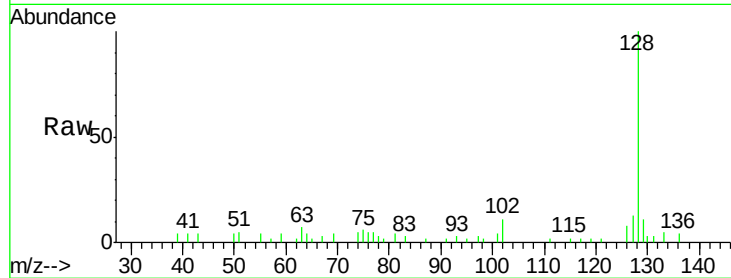
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



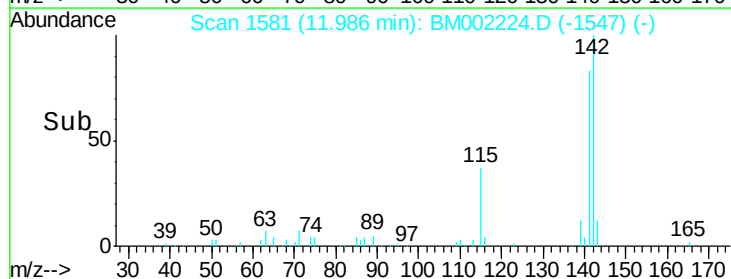
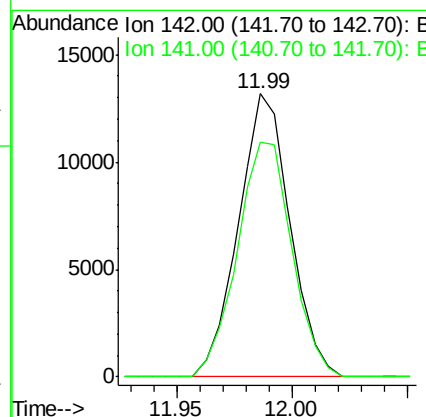
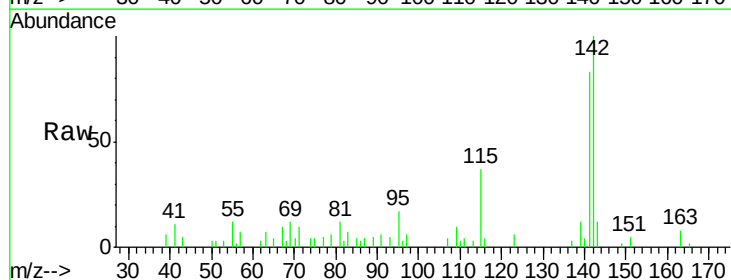
#28
Naphthalene
Concen: 1.19 ng/ul
RT: 10.36 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BM002224.D
Acq: 04 Aug 2015 23:55

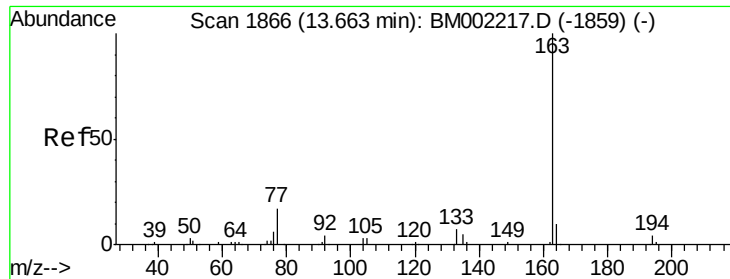
Tgt Ion:128 Resp: 29224
Ion Ratio Lower Upper
128 100
129 11.5 8.2 12.2
127 12.8 10.1 15.1



#34
2-Methylnaphthalene
Concen: 1.08 ng/ul
RT: 11.99 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BM002224.D
Acq: 04 Aug 2015 23:55

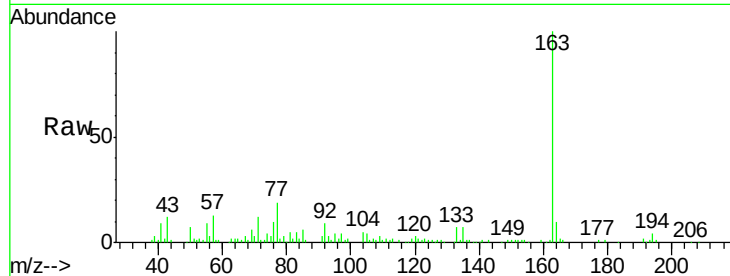
Tgt Ion:142 Resp: 20497
Ion Ratio Lower Upper
142 100
141 83.1 68.9 103.3



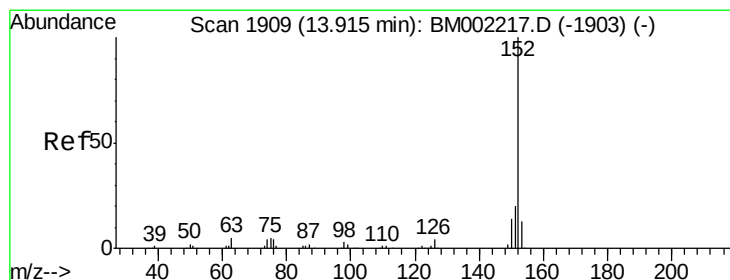
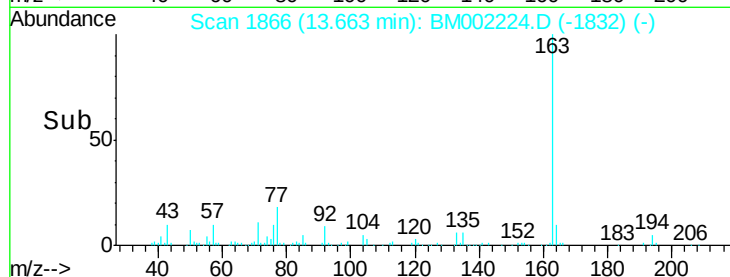
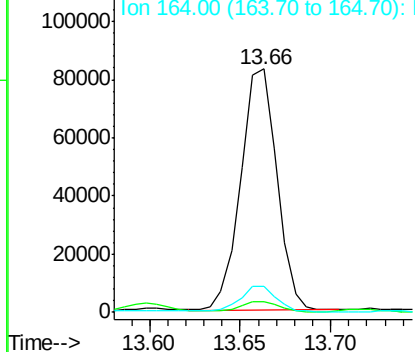


#45
Dimethylphthalate
Concen: 5.51 ng/ul
RT: 13.66 min Scan# 1866
Delta R.T. 0.00 min
Lab File: BM002224.D
Acq: 04 Aug 2015 23:55

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.5	7.9	11.9

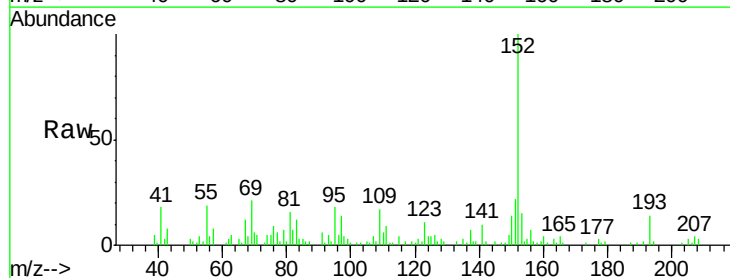


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

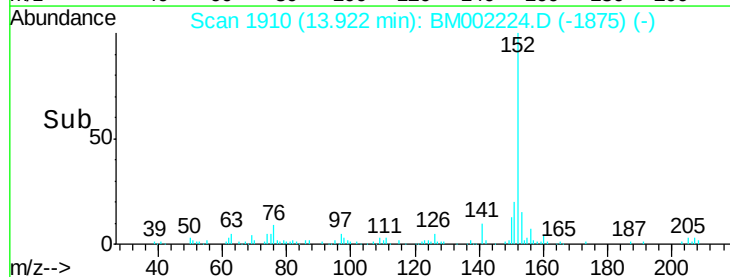
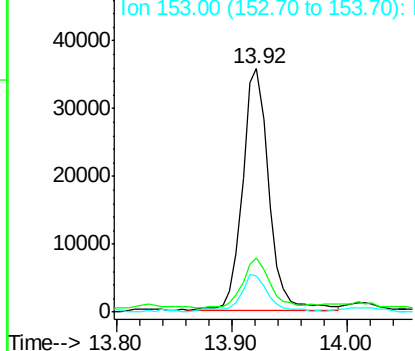


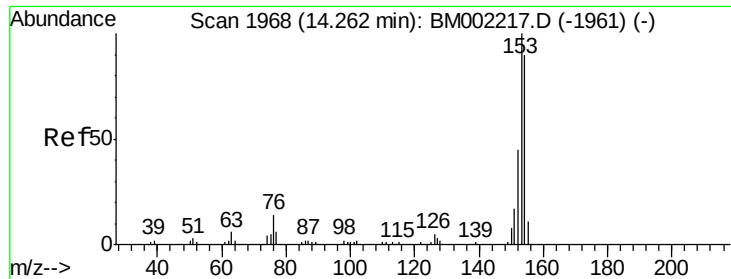
#48
Acenaphthylene
Concen: 2.09 ng/ul
RT: 13.92 min Scan# 1910
Delta R.T. 0.01 min
Lab File: BM002224.D
Acq: 04 Aug 2015 23:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.5	15.2	22.8
153	15.0	10.3	15.5



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





#50

Acenaphthene

Concen: 3.21 ng/ul

RT: 14.26 min Scan# 1968

Delta R.T. 0.00 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

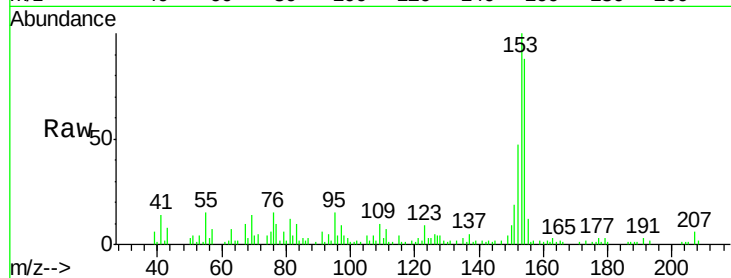
Tgt Ion:153 Resp: 56581

Ion Ratio Lower Upper

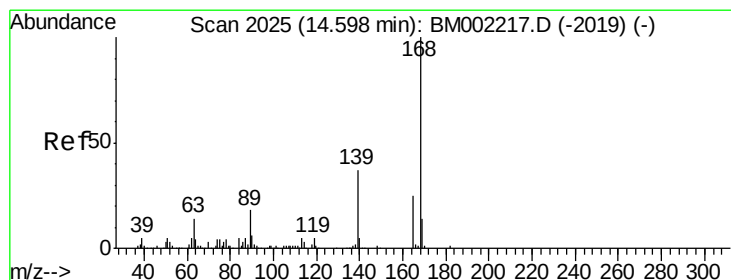
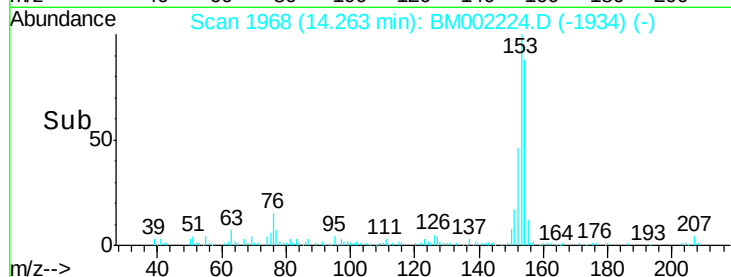
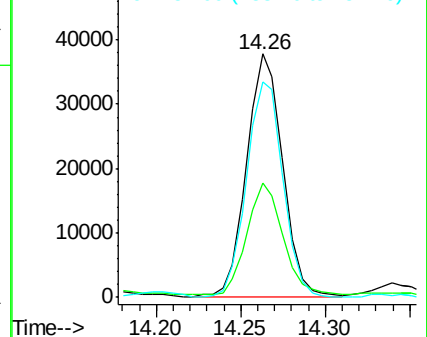
153 100

152 46.8 36.6 54.8

154 88.2 71.7 107.5



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 1.30 ng/ul

RT: 14.60 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BM002224.D

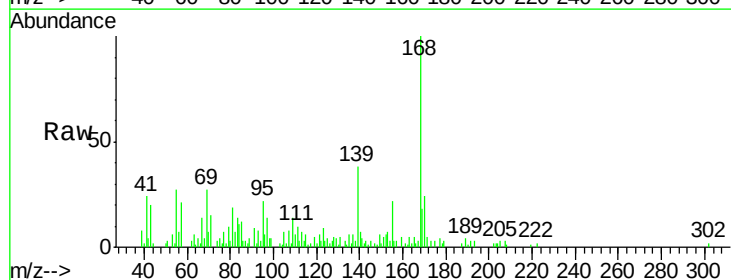
Acq: 04 Aug 2015 23:55

Tgt Ion:168 Resp: 33331

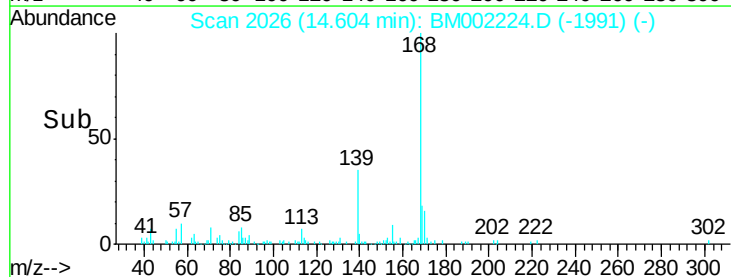
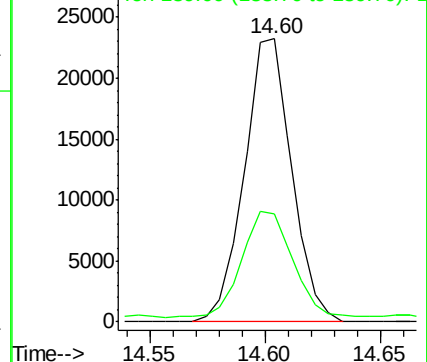
Ion Ratio Lower Upper

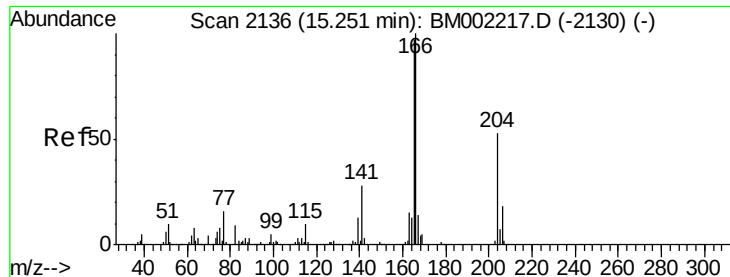
168 100

139 38.4 28.6 42.8



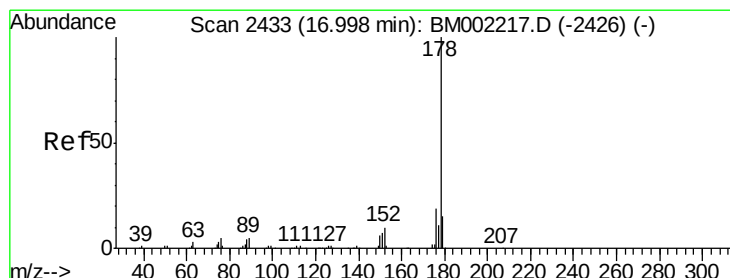
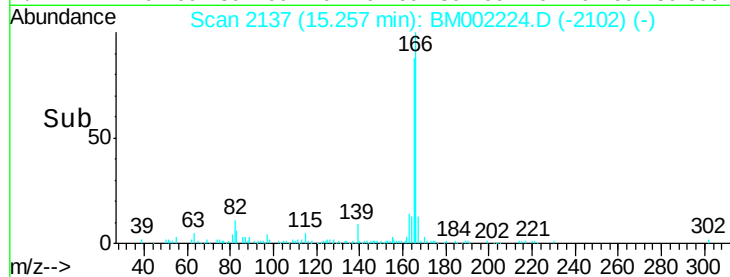
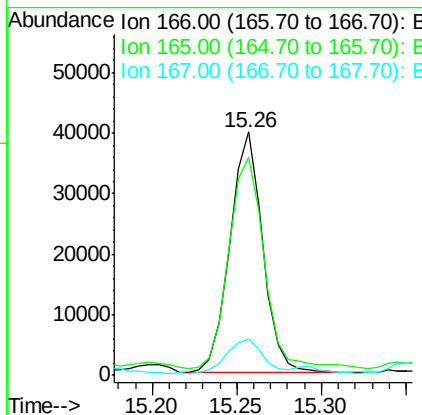
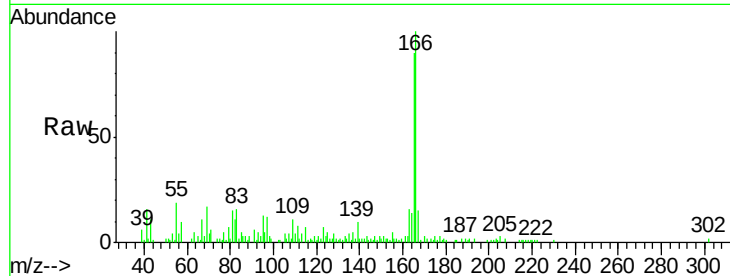
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





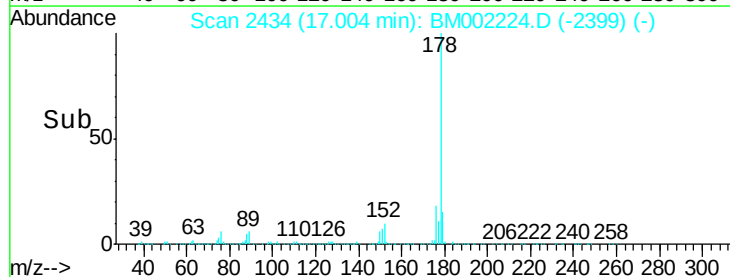
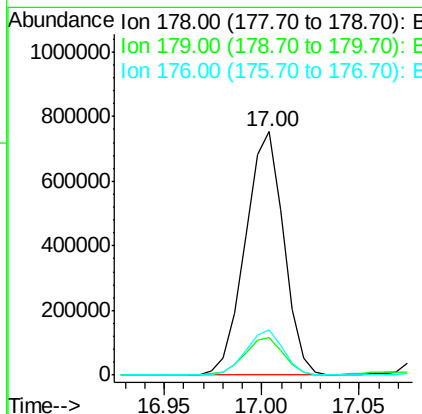
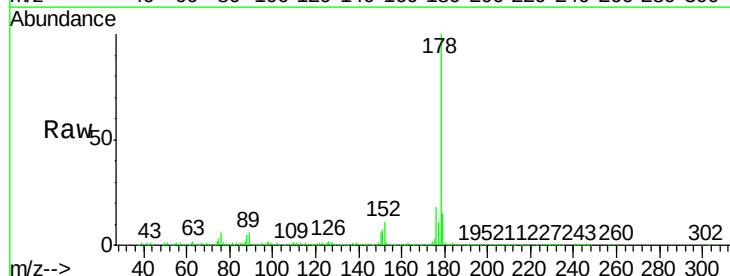
#59
 Fluorene
 Concen: 2.55 ng/ul
 RT: 15.26 min Scan# 2137
 Delta R.T. 0.01 min
 Lab File: BM002224.D
 Acq: 04 Aug 2015 23:55

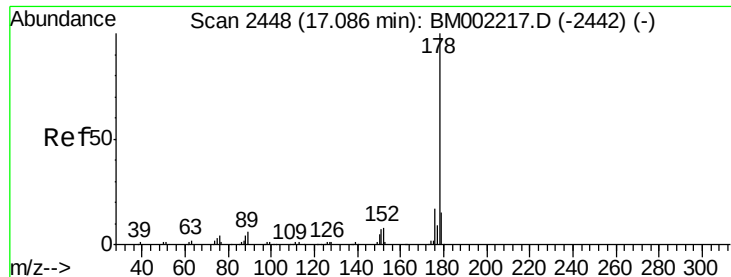
Tgt Ion:166 Resp: 53546
 Ion Ratio Lower Upper
 166 100
 165 89.6 76.0 114.0
 167 14.9 10.5 15.7



#70
 Phenanthrene
 Concen: 31.82 ng/ul
 RT: 17.00 min Scan# 2434
 Delta R.T. 0.01 min
 Lab File: BM002224.D
 Acq: 04 Aug 2015 23:55

Tgt Ion:178 Resp: 1020116
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.2 18.4
 176 18.5 14.6 21.8





#72

Anthracene

Concen: 7.76 ng/ul

RT: 17.09 min Scan# 2449

Delta R.T. 0.01 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

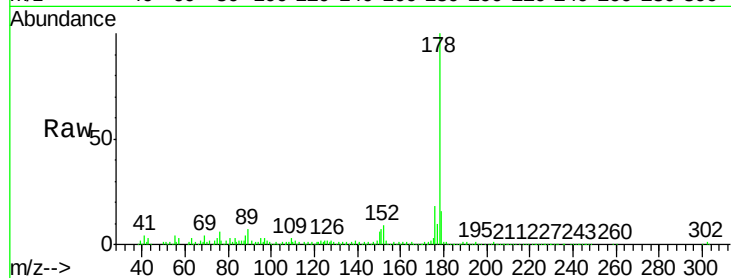
Tgt Ion:178 Resp: 254344

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.2

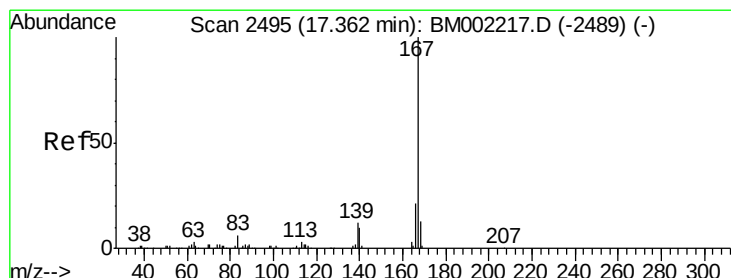
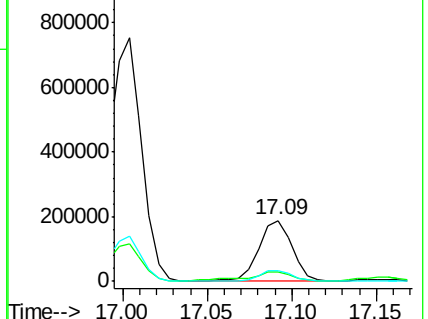
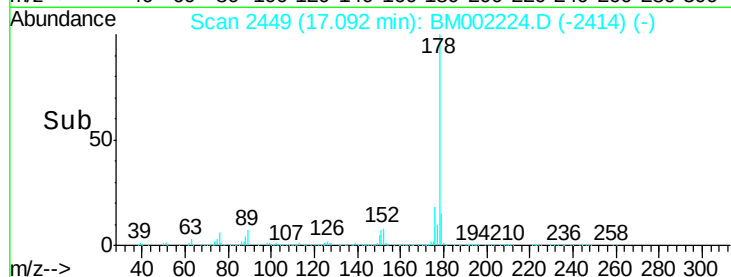
176 18.0 13.8 20.6



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



#75

Carbazole

Concen: 2.52 ng/ul

RT: 17.37 min Scan# 2496

Delta R.T. 0.01 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

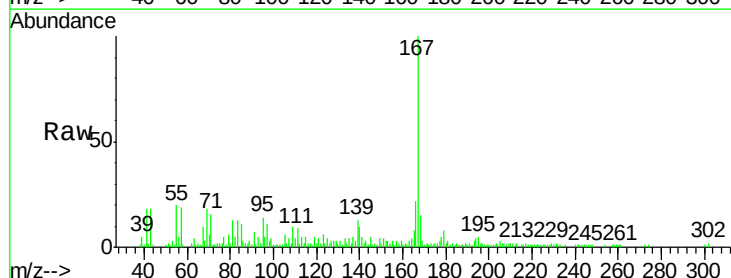
Tgt Ion:167 Resp: 68888

Ion Ratio Lower Upper

167 100

166 22.1 16.7 25.1

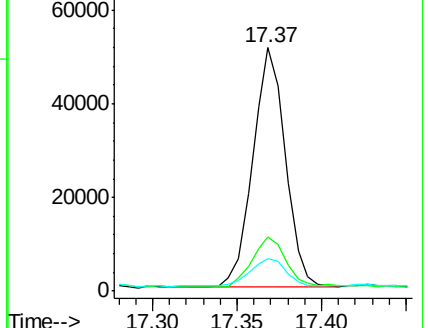
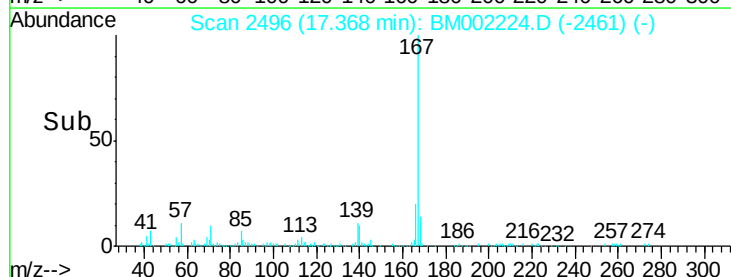
139 13.4 9.4 14.2

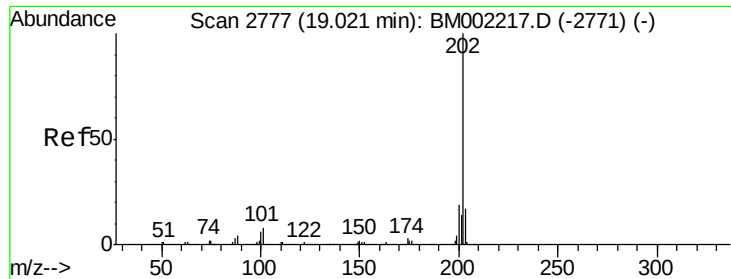


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

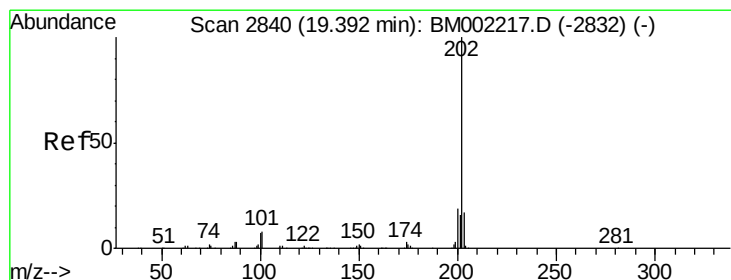
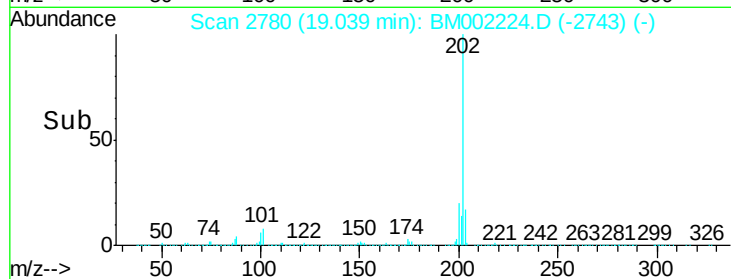
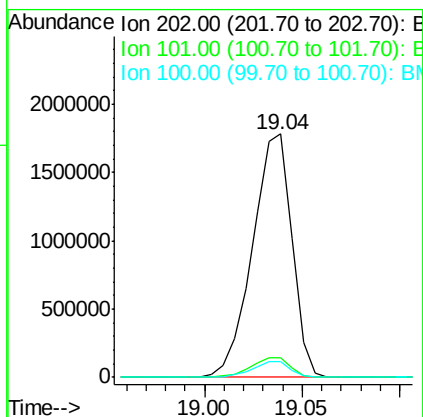
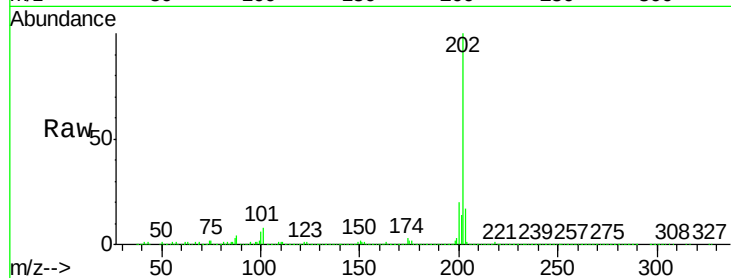
Ion 139.00 (138.70 to 139.70): E





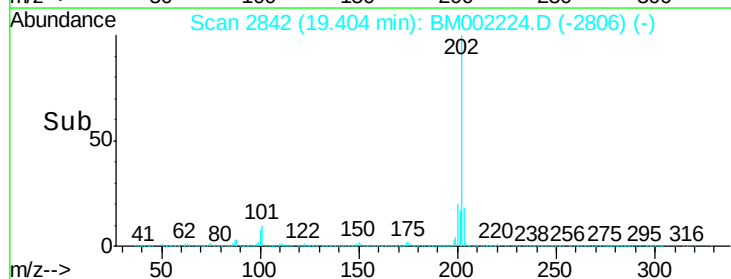
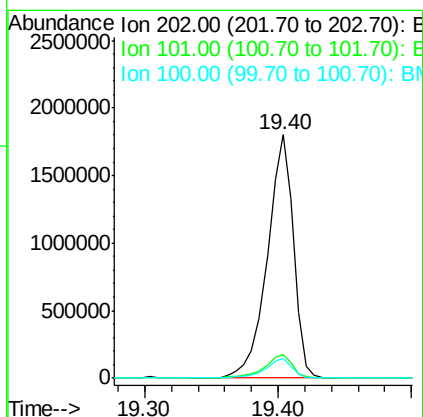
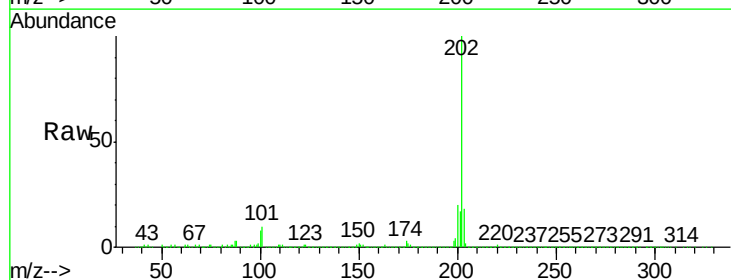
#77
 Fluoranthene
 Concen: 71.05 ng/ul
 RT: 19.04 min Scan# 2780
 Delta R.T. 0.02 min
 Lab File: BM002224.D
 Acq: 04 Aug 2015 23:55

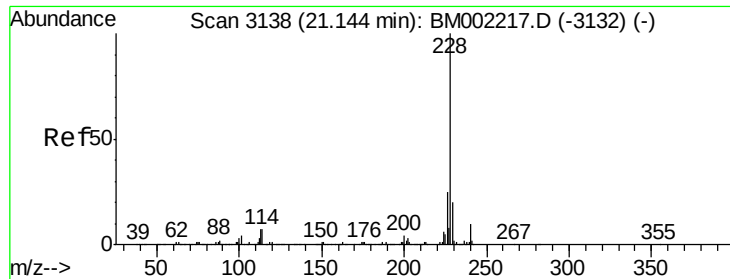
Tgt Ion:	202	Resp:	2492742
Ion	Ratio	Lower	Upper
202	100		
101	8.0	6.2	9.2
100	6.2	4.8	7.2



#80
 Pyrene
 Concen: 50.08 ng/ul
 RT: 19.40 min Scan# 2842
 Delta R.T. 0.01 min
 Lab File: BM002224.D
 Acq: 04 Aug 2015 23:55

Tgt Ion:	202	Resp:	2442926
Ion	Ratio	Lower	Upper
202	100		
101	9.9	7.0	10.6
100	8.1	5.8	8.8





#83

Benzo(a)anthracene

Concen: 34.30 ng/ul

RT: 21.16 min Scan# 3140

Delta R.T. 0.01 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

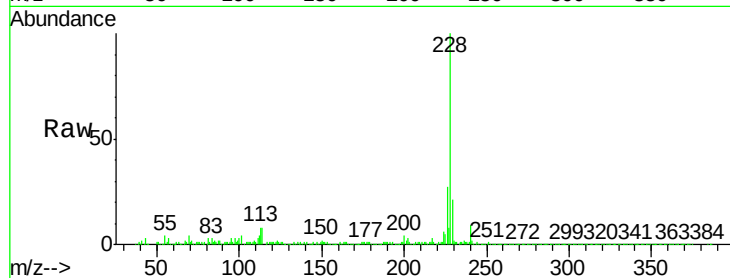
Tgt Ion:228 Resp: 1525161

Ion Ratio Lower Upper

228 100

229 20.9 15.9 23.9

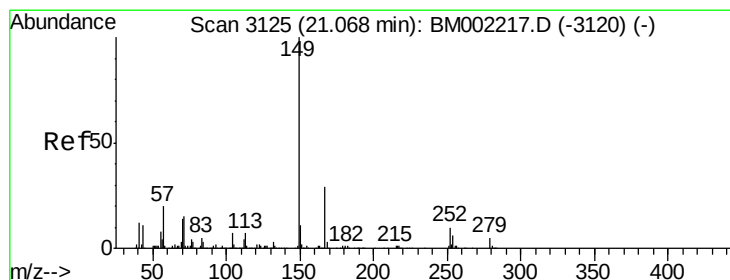
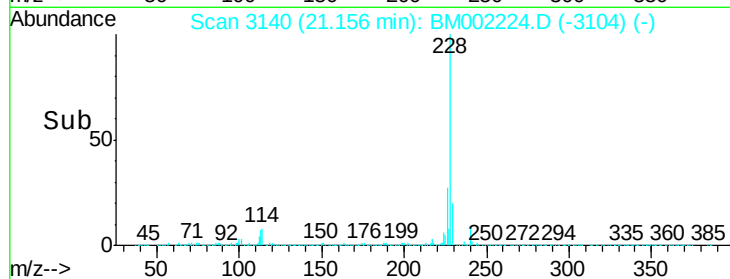
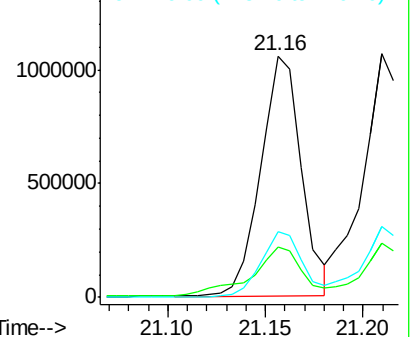
226 27.0 20.6 31.0



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.39 ng/ul

RT: 21.07 min Scan# 3126

Delta R.T. 0.01 min

Lab File: BM002224.D

Acq: 04 Aug 2015 23:55

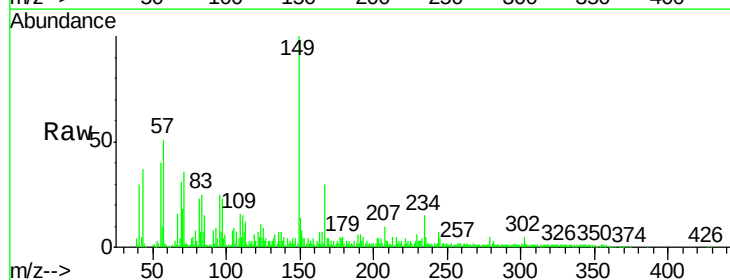
Tgt Ion:149 Resp: 134901

Ion Ratio Lower Upper

149 100

167 29.5 23.0 34.4

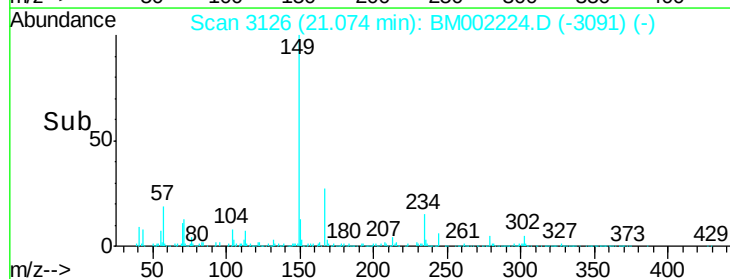
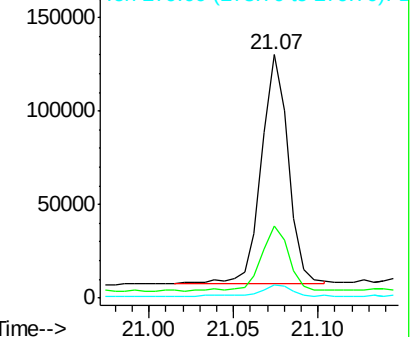
279 5.4 4.0 6.0

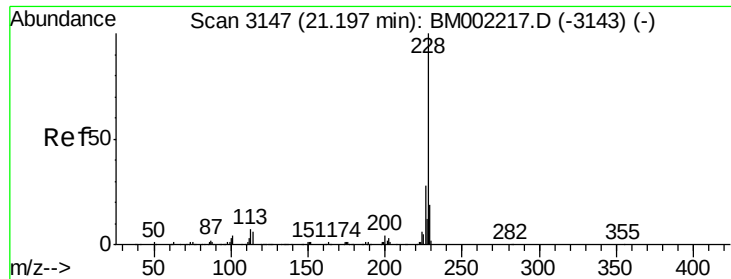


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

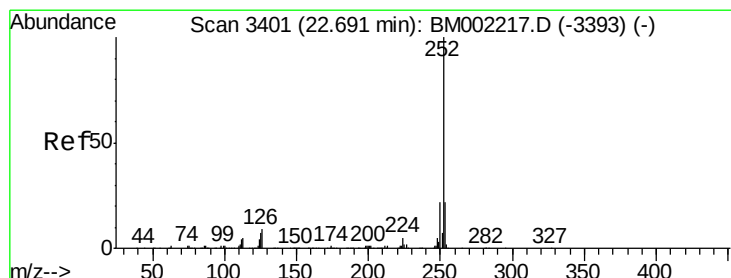
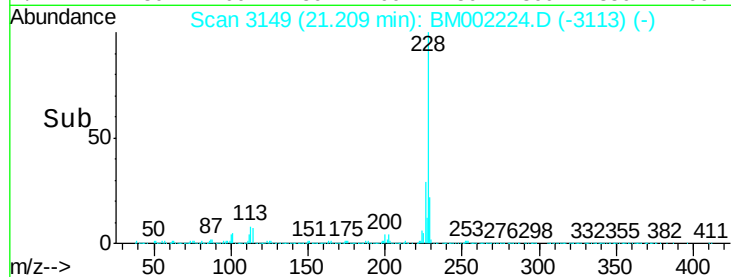
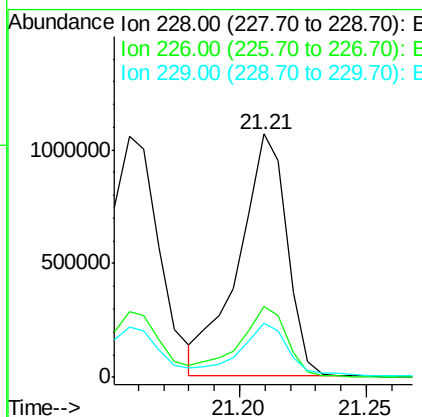
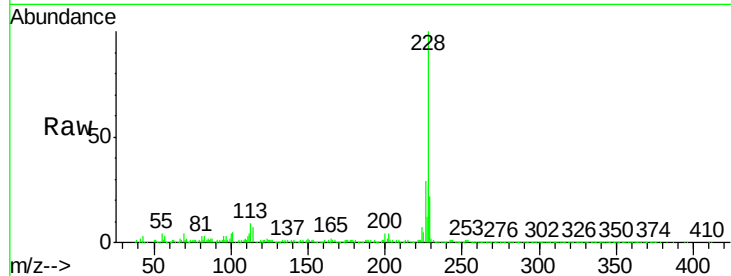




#85
Chrysene
Concen: 34.49 ng/ul
RT: 21.21 min Scan# 3149
Delta R.T. 0.01 min
Lab File: BM002224.D
Acq: 04 Aug 2015 23:55

Tgt Ion: 228 Resp: 1411923

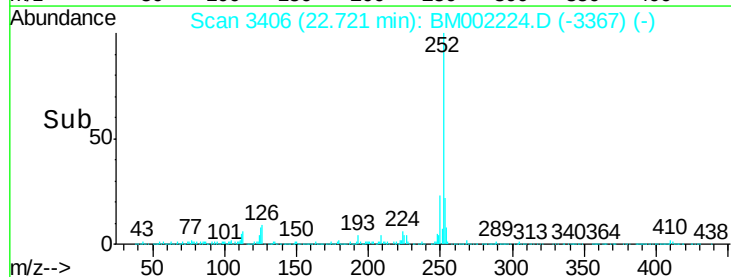
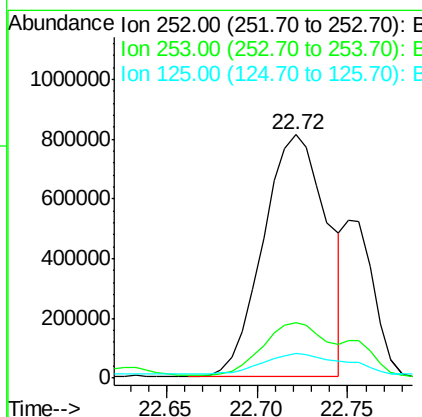
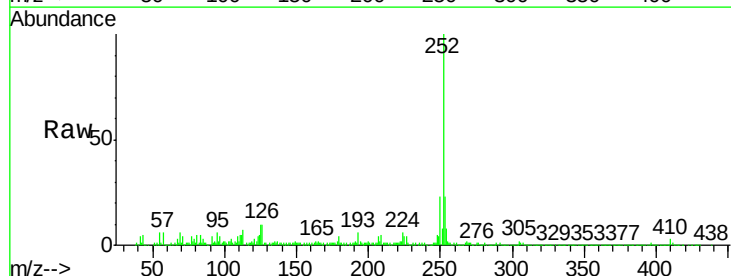
Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.2	33.4
229	22.1	15.5	23.3

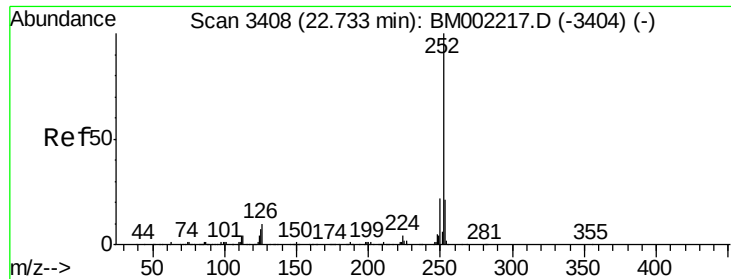


#88
Benzo(b)fluoranthene
Concen: 43.18 ng/ul
RT: 22.72 min Scan# 3406
Delta R.T. 0.03 min
Lab File: BM002224.D
Acq: 04 Aug 2015 23:55

Tgt Ion: 252 Resp: 1993745

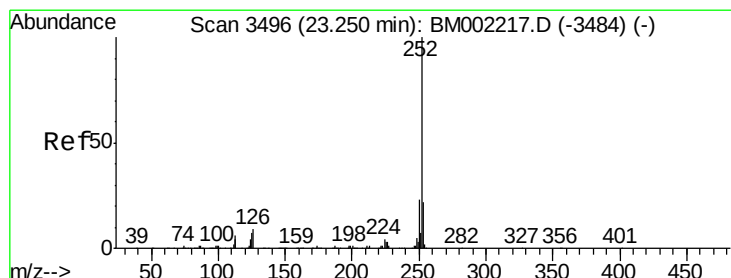
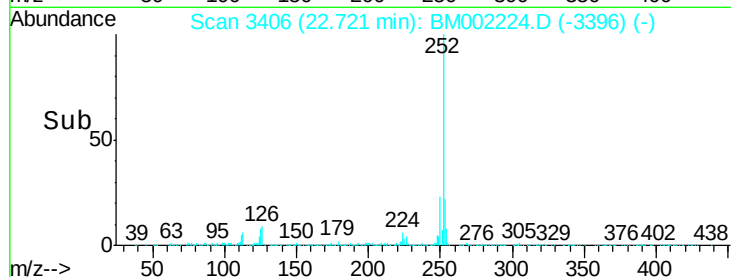
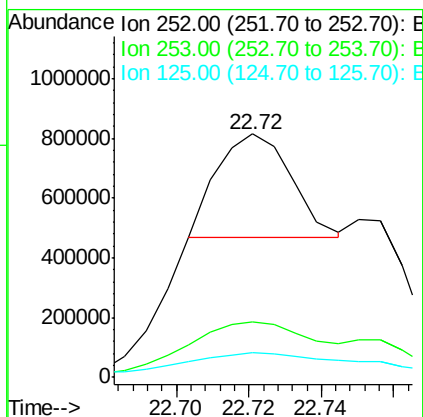
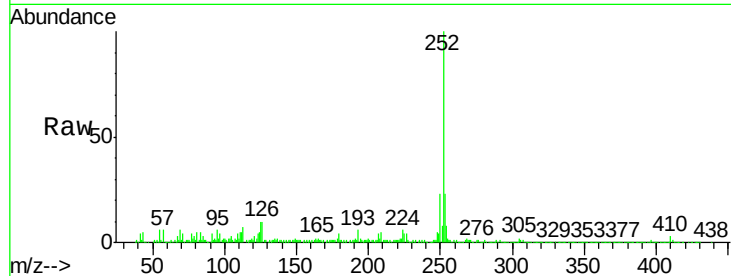
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	10.1	5.4	8.2





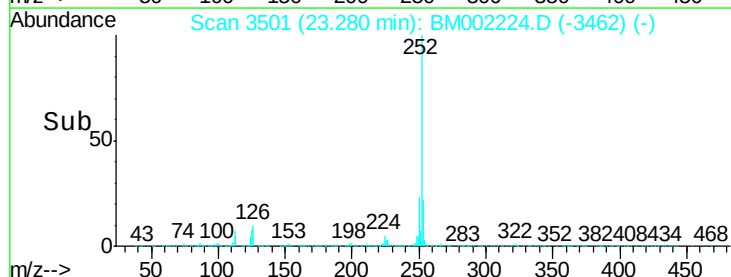
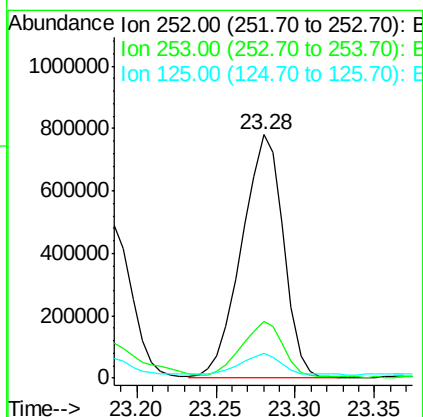
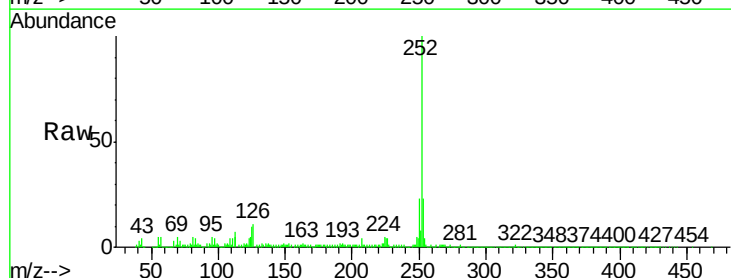
#89
Benzo(k)fluoranthene
Concen: 10.93 ng/ul
RT: 22.72 min Scan# 3406
Delta R.T. -0.01 min
Lab File: BM002224.D
Acq: 04 Aug 2015 23:55

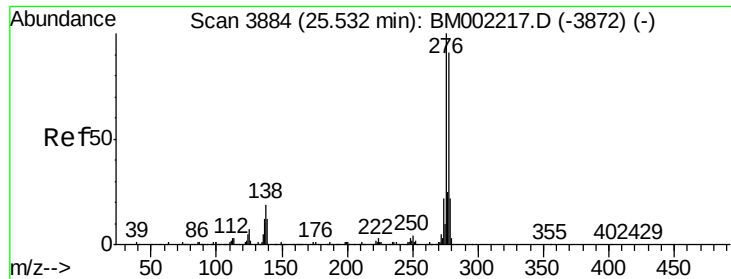
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	10.1	5.6	8.4#



#91
Benzo(a)pyrene
Concen: 32.09 ng/ul
RT: 23.28 min Scan# 3501
Delta R.T. 0.03 min
Lab File: BM002224.D
Acq: 04 Aug 2015 23:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	9.9	6.1	9.1#

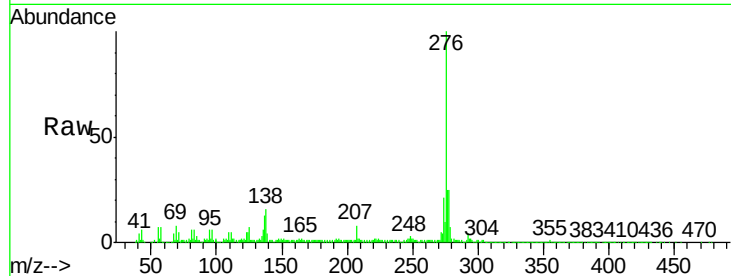




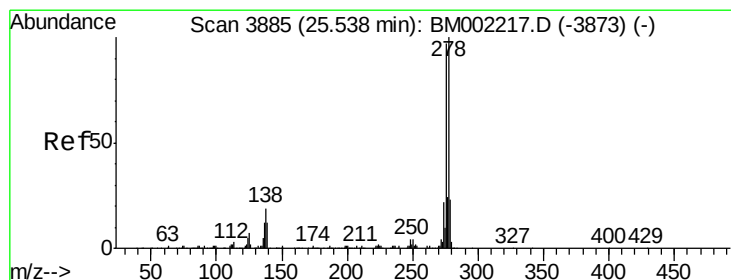
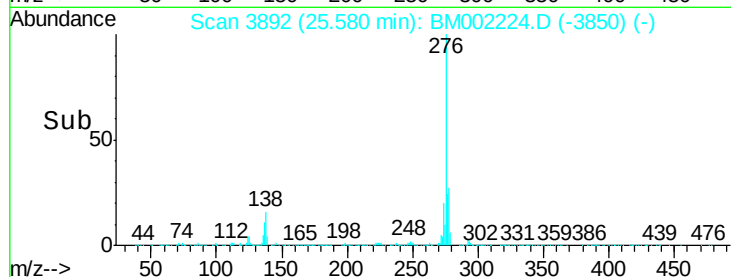
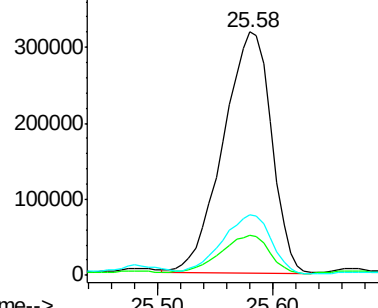
#92

Indeno(1,2,3-cd)pyrene
Concen: 18.66 ng/ul
RT: 25.58 min Scan# 3892
Delta R.T. 0.05 min
Lab File: BM002224.D
Acq: 04 Aug 2015 23:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.4	15.4	23.0
277	24.7	20.2	30.2



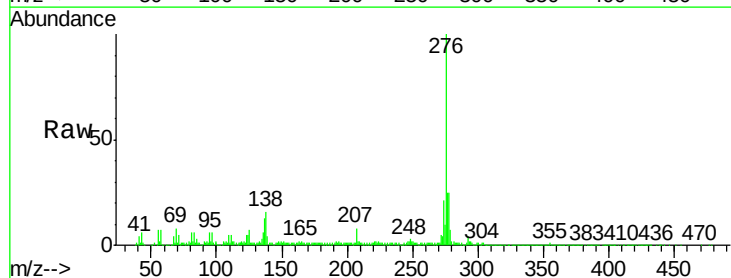
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



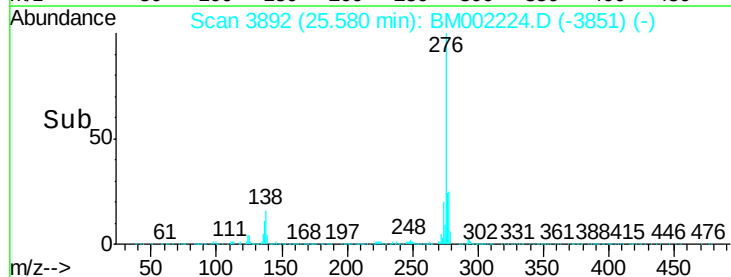
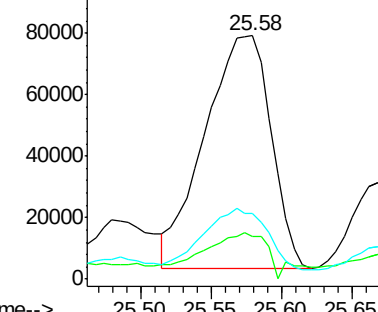
#93

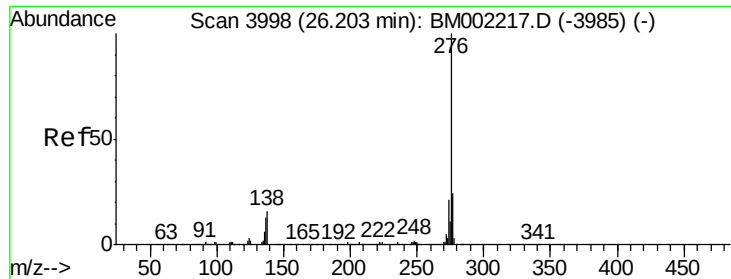
Dibenzo(a,h)anthracene
Concen: 5.84 ng/ul
RT: 25.58 min Scan# 3892
Delta R.T. 0.04 min
Lab File: BM002224.D
Acq: 04 Aug 2015 23:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.8	10.4	15.6#
279	27.0	17.9	26.9#



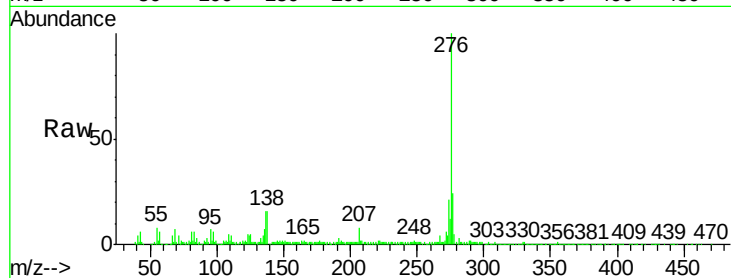
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



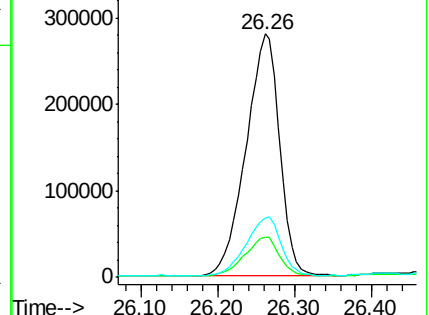
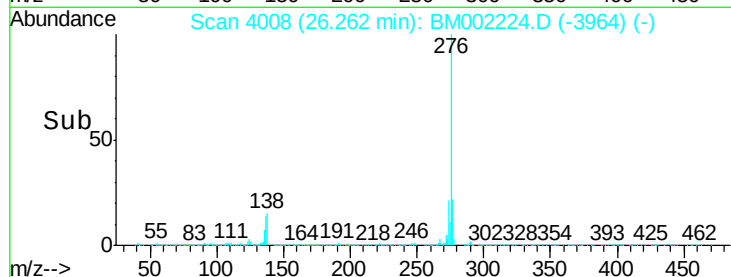


#94
 Benzo(g,h,i)perylene
 Concen: 20.55 ng/ul
 RT: 26.26 min Scan# 4008
 Delta R.T. 0.06 min
 Lab File: BM002224.D
 Acq: 04 Aug 2015 23:55

Tgt Ion:	276	Resp:	850350
Ion	Ratio	Lower	Upper
276	100		
138	16.2	12.5	18.7
277	24.4	19.4	29.0



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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
 Data File : BM002225.D
 Acq On : 05 Aug 2015 00:31
 Operator : TP/UM
 Sample : G3095-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 05 02:58:34 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:56:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	155055	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	596533	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.20	164	335662	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	732031	20.00	ng/ul	0.00
78) Chrysene-d12	21.17	240	919509	20.00	ng/ul	0.01
86) Perylene-d12	23.37	264	964242	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.96	96	2543	0.93	ng/uL	0.00
5) Phenol-d5	6.72	99	55075	4.78	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.86	67	36162	6.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	49663	5.05	ng/ul	0.01
13) 4-Methylphenol-d8	8.26	113	37888	3.96	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	26513	6.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	27217	5.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	42437	4.35	ng/ul	0.01
29) 4-Chloroaniline-d4	10.47	131	20667	1.91	ng/ul	0.01
44) Dimethylphthalate-d6	13.62	166	150466	6.16	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	192983	6.25	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	7040	2.23	ng/ul	0.02
58) Fluorene-d10	15.20	176	136355	6.32	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	1401	0.33	ng/ul	0.01
71) Anthracene-d10	17.06	188	198983	6.11	ng/ul	0.00
79) Pyrene-d10	19.37	212	228114	5.18	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.23	264	271373	5.80	ng/ul	0.02

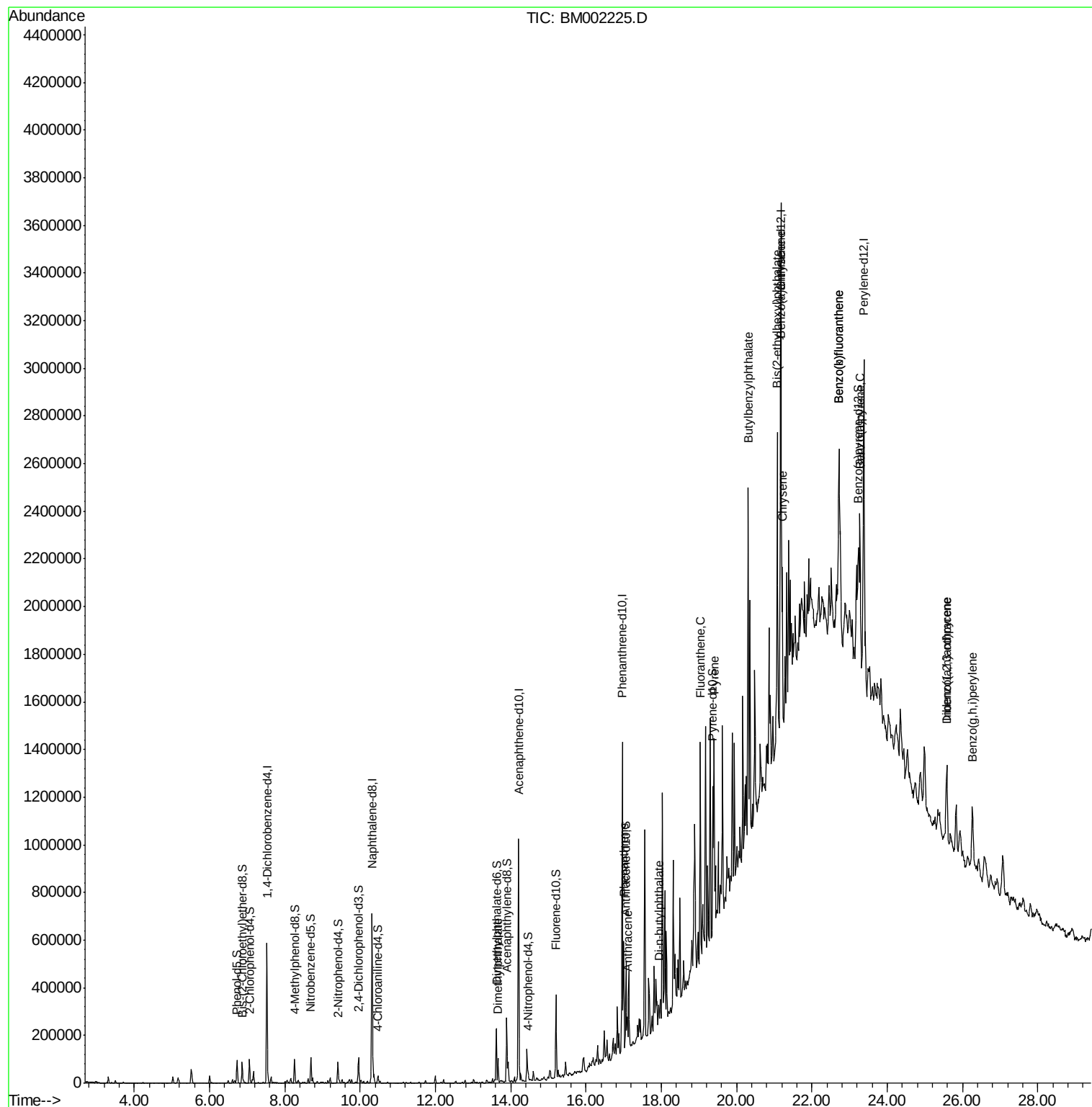
Target Compounds

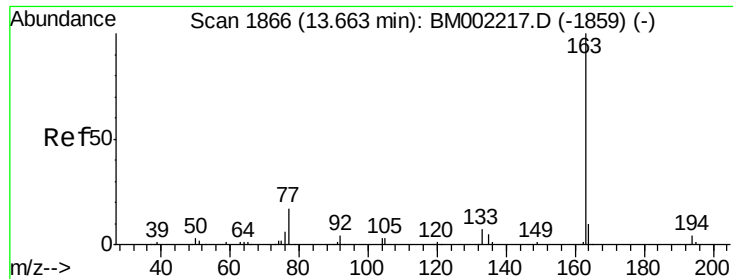
						Qvalue
45) Dimethylphthalate	13.66	163	61511	2.53	ng/ul	99
70) Phenanthrene	17.00	178	261920	6.97	ng/ul	99
72) Anthracene	17.09	178	85720	2.23	ng/ul	97
76) Di-n-butylphthalate	17.93	149	65247	1.72	ng/ul	97
77) Fluoranthene	19.03	202	547223	13.30	ng/ul	99
80) Pyrene	19.40	202	514243	9.10	ng/ul	100
81) Butylbenzylphthalate	20.30	149	410954	20.16	ng/ul	98
83) Benzo(a)anthracene	21.16	228	340912	6.62	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.08	149	498373	17.19	ng/ul	98
85) Chrysene	21.21	228	348147	7.34	ng/ul	96
88) Benzo(b)fluoranthene	22.71	252	599328	11.03	ng/ul#	92
89) Benzo(k)fluoranthene	22.71	252	131870	2.51	ng/ul#	92
91) Benzo(a)pyrene	23.27	252	362414	6.98	ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	25.58	276	307752	5.26	ng/ul	99
93) Dibenzo(a,h)anthracene	25.57	278	81868	1.64	ng/ul#	78
94) Benzo(g,h,i)perylene	26.26	276	306303	6.29	ng/ul	98

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002225.D
Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

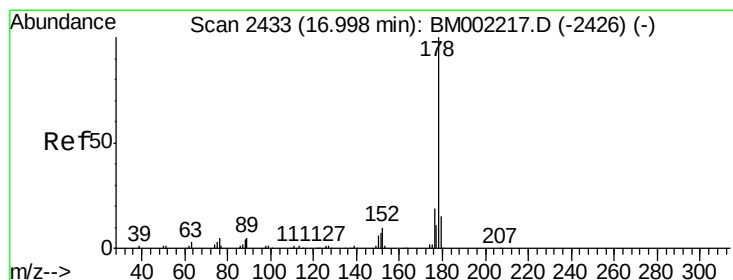
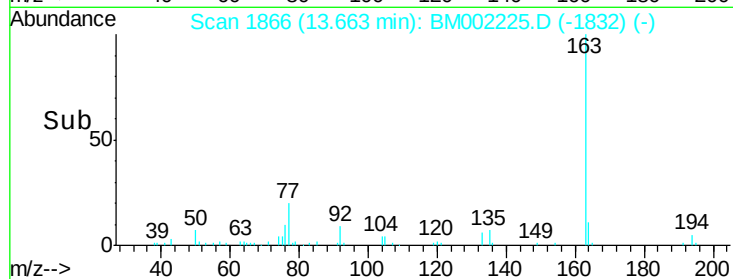
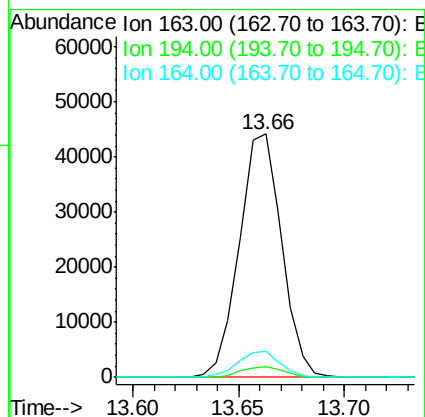
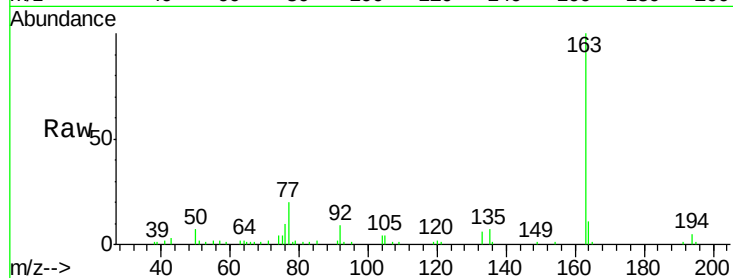
Quant Time: Aug 05 02:58:34 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:56:04 2015
Response via : Initial Calibration





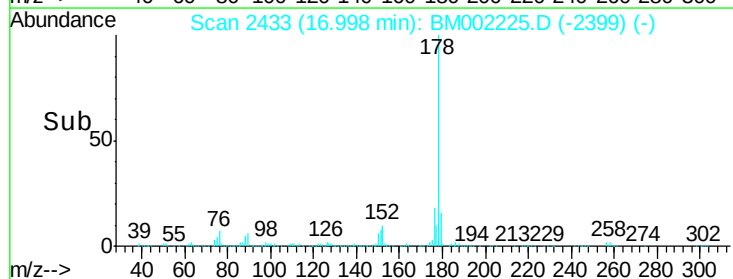
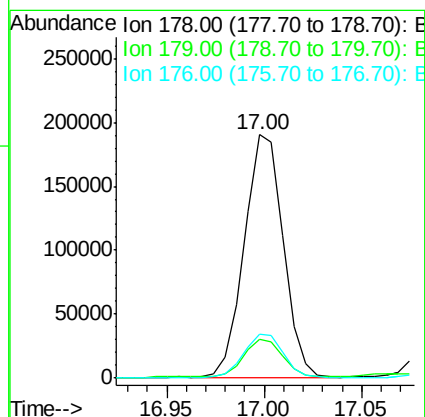
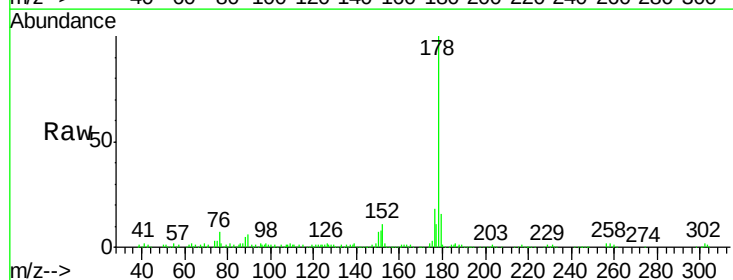
#45
Dimethylphthalate
Concen: 2.53 ng/ul
RT: 13.66 min Scan# 1866
Delta R.T. 0.00 min
Lab File: BM002225.D
Acq: 05 Aug 2015 00:31

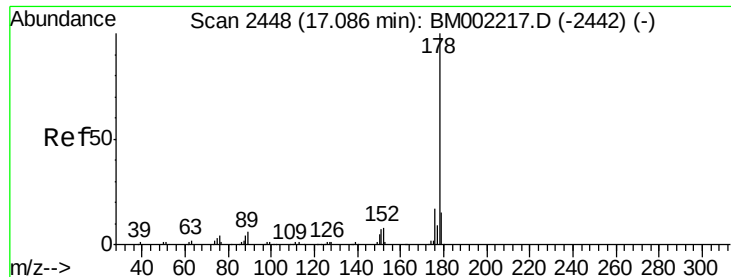
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.2
164	10.5	7.9	11.9



#70
Phenanthrene
Concen: 6.97 ng/ul
RT: 17.00 min Scan# 2433
Delta R.T. 0.00 min
Lab File: BM002225.D
Acq: 05 Aug 2015 00:31

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.2	18.4
176	18.1	14.6	21.8





#72

Anthracene

Concen: 2.23 ng/ul

RT: 17.09 min Scan# 2449

Delta R.T. 0.01 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

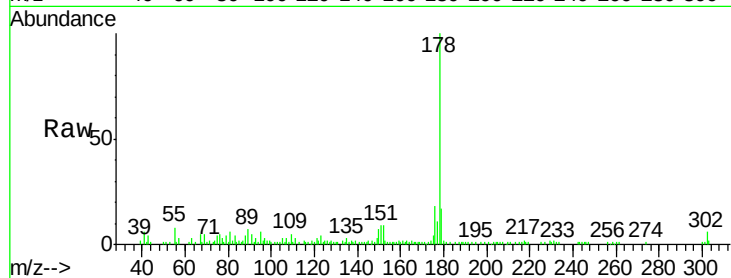
Tgt Ion:178 Resp: 85720

Ion Ratio Lower Upper

178 100

179 16.5 12.2 18.2

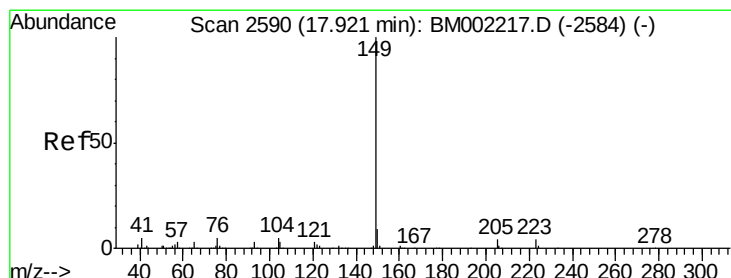
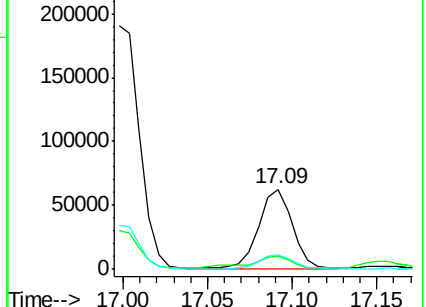
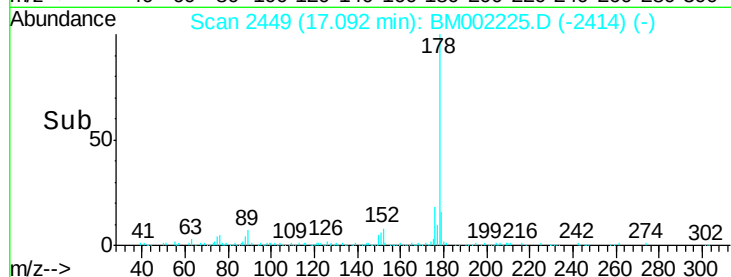
176 18.3 13.8 20.6



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



#76

Di-n-butylphthalate

Concen: 1.72 ng/ul

RT: 17.93 min Scan# 2591

Delta R.T. 0.01 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

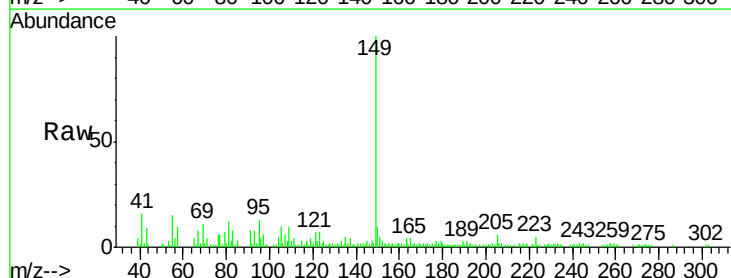
Tgt Ion:149 Resp: 65247

Ion Ratio Lower Upper

149 100

150 10.1 7.0 10.4

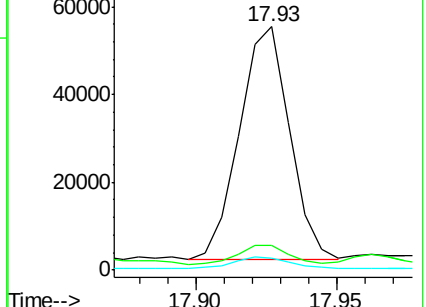
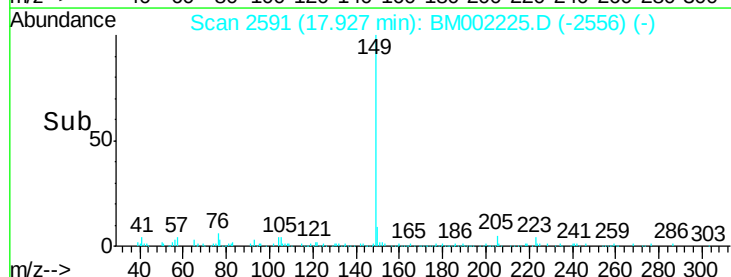
104 4.9 4.0 6.0

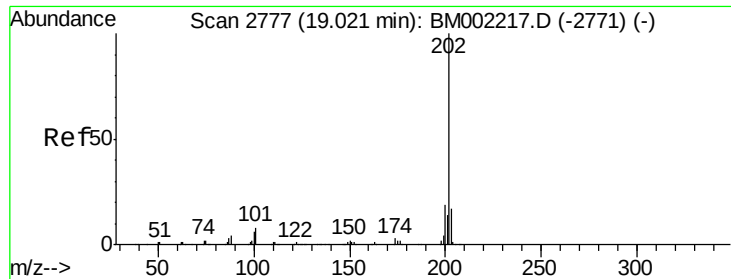


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

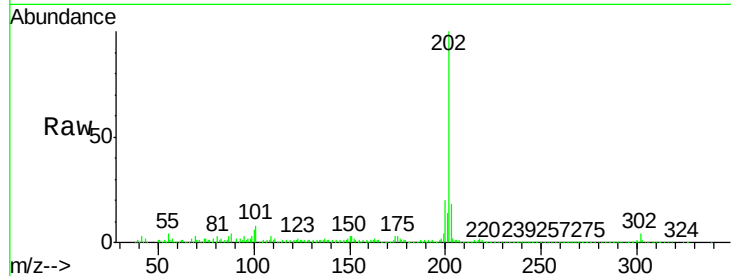
Ion 104.00 (103.70 to 104.70): E



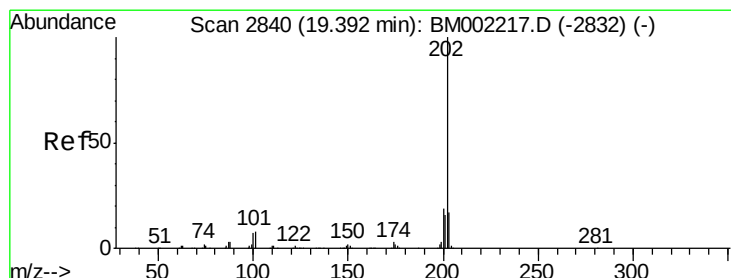
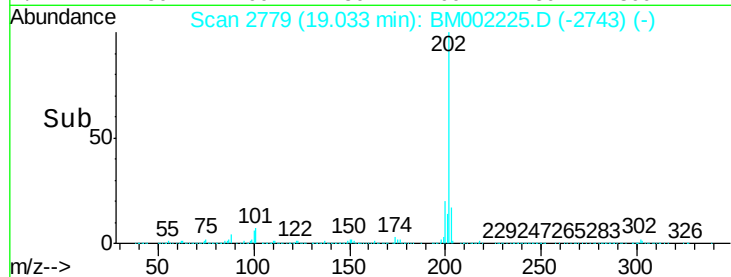
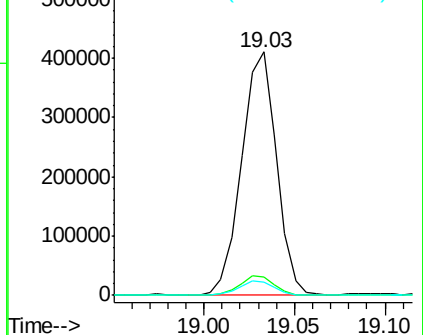


#77
 Fluoranthene
 Concen: 13.30 ng/ul
 RT: 19.03 min Scan# 2779
 Delta R.T. 0.01 min
 Lab File: BM002225.D
 Acq: 05 Aug 2015 00:31

Tgt Ion:	202	Resp:	547223
Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.2	9.2
100	5.6	4.8	7.2

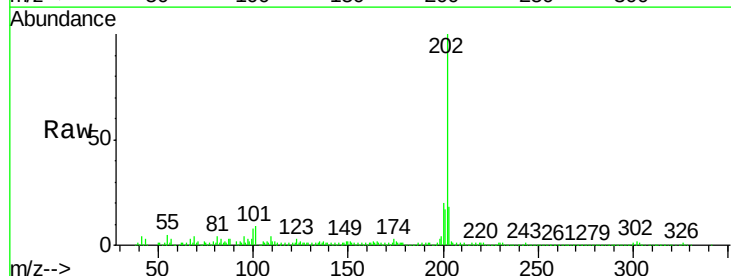


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

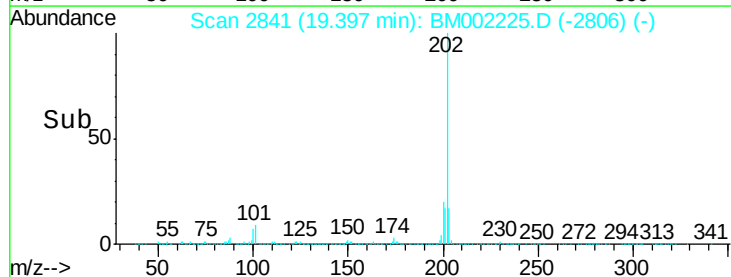
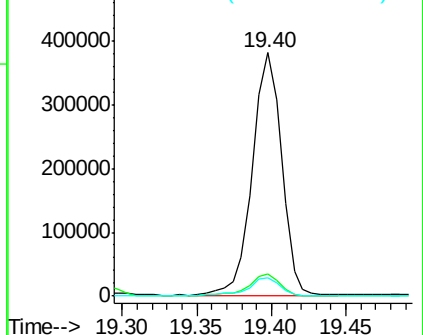


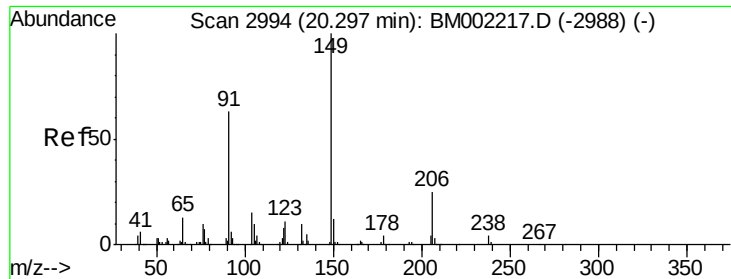
#80
 Pyrene
 Concen: 9.10 ng/ul
 RT: 19.40 min Scan# 2841
 Delta R.T. 0.01 min
 Lab File: BM002225.D
 Acq: 05 Aug 2015 00:31

Tgt Ion:	202	Resp:	514243
Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.0	10.6
100	7.5	5.8	8.8



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





#81

Butylbenzylphthalate

Concen: 20.16 ng/ul

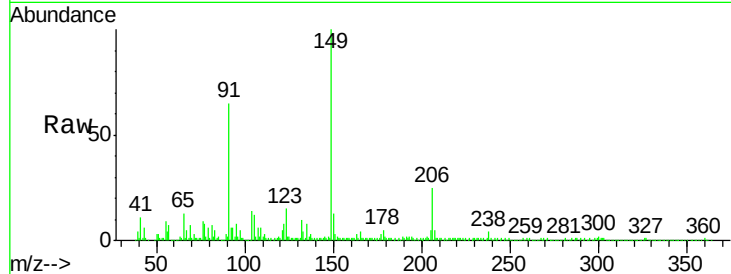
RT: 20.30 min Scan# 2995

Delta R.T. 0.01 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

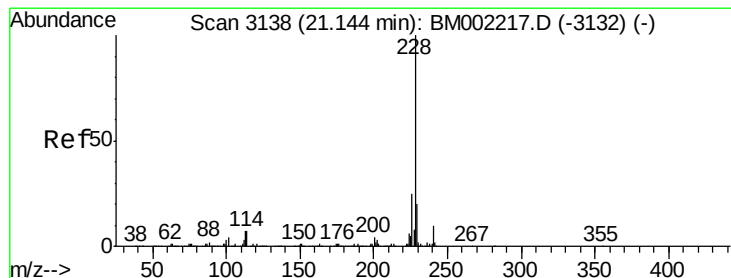
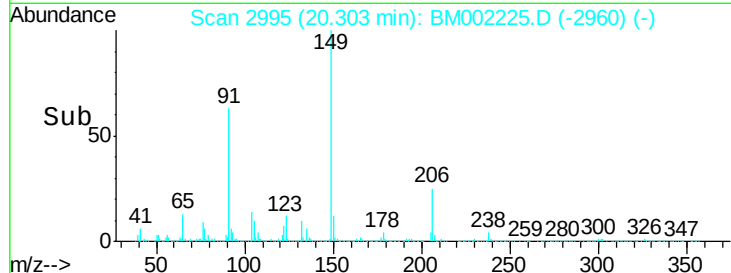
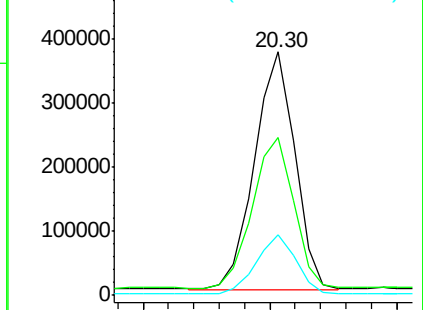
Tgt Ion:	149	Resp:	410954
Ion	Ratio	Lower	Upper
149	100		
91	64.8	50.6	76.0
206	25.1	19.8	29.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E



#83

Benzo(a)anthracene

Concen: 6.62 ng/ul

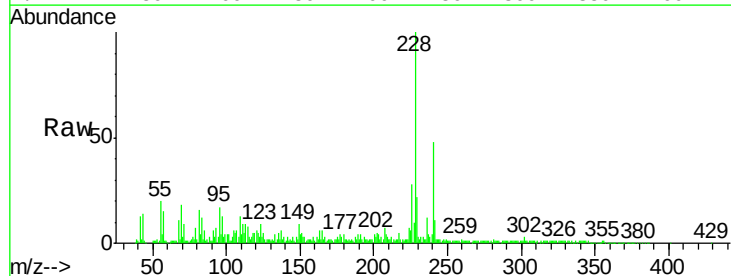
RT: 21.16 min Scan# 3140

Delta R.T. 0.01 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

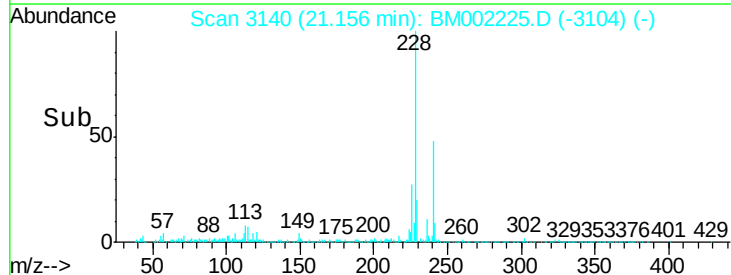
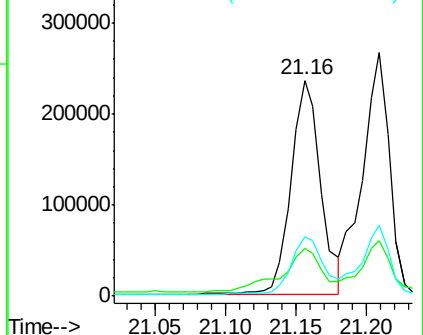
Tgt Ion:	228	Resp:	340912
Ion	Ratio	Lower	Upper
228	100		
229	21.9	15.9	23.9
226	27.6	20.6	31.0

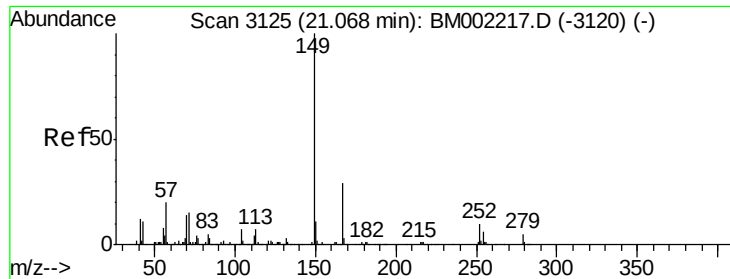


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 17.19 ng/ul

RT: 21.08 min Scan# 3127

Delta R.T. 0.01 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

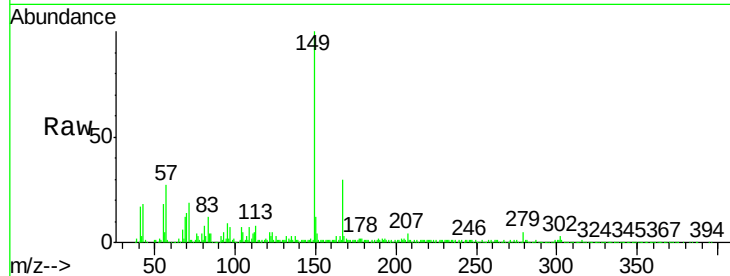
Tgt Ion:149 Resp: 498373

Ion Ratio Lower Upper

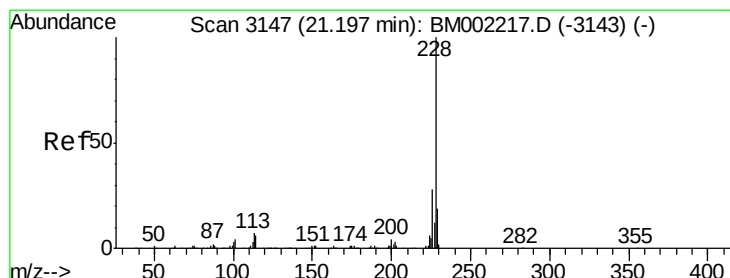
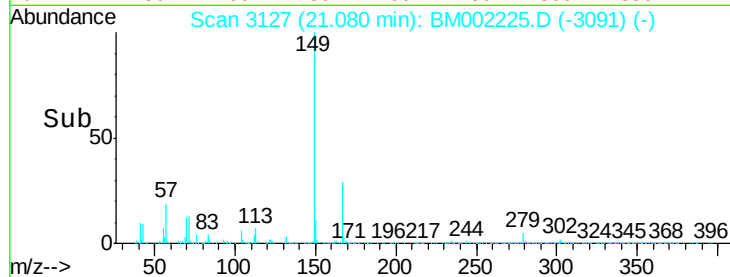
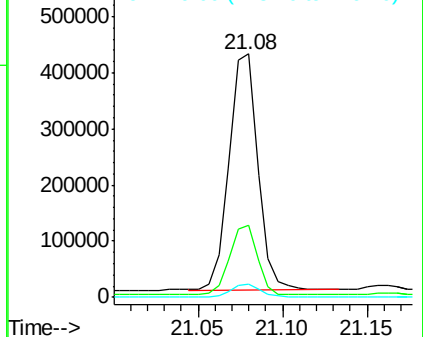
149 100

167 29.7 23.0 34.4

279 5.5 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 7.34 ng/ul

RT: 21.21 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

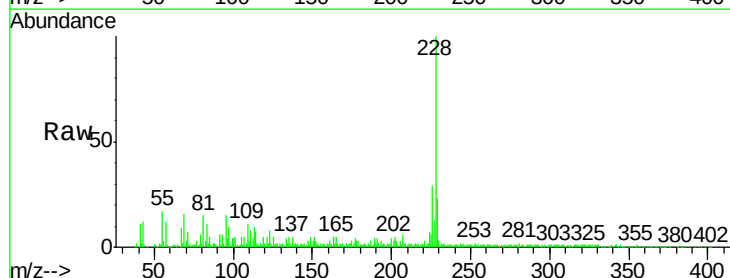
Tgt Ion:228 Resp: 348147

Ion Ratio Lower Upper

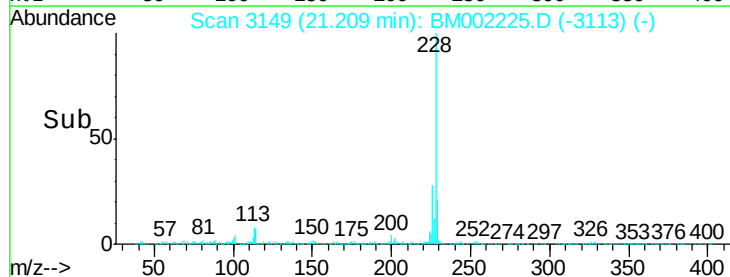
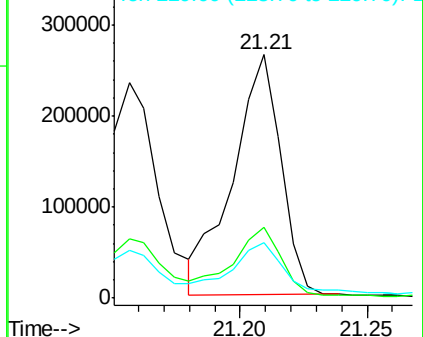
228 100

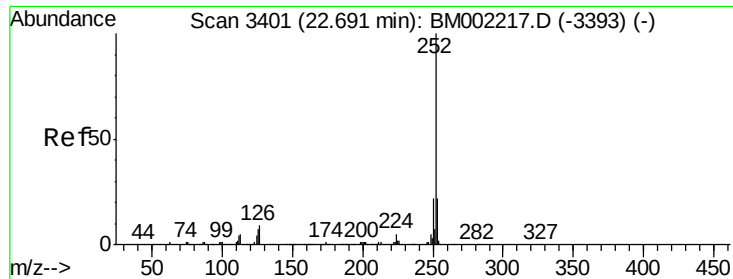
226 29.1 22.2 33.4

229 22.7 15.5 23.3



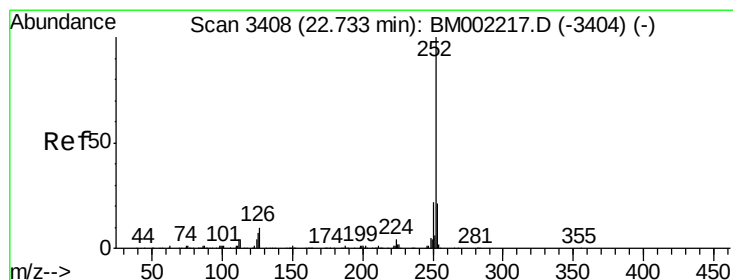
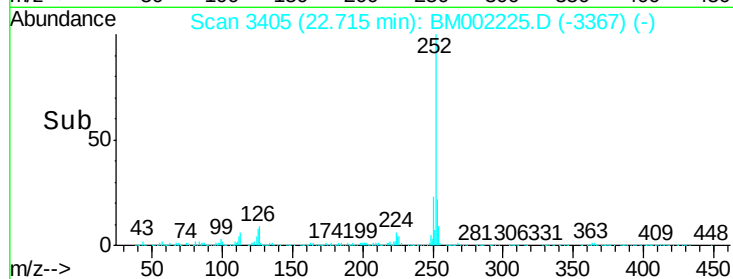
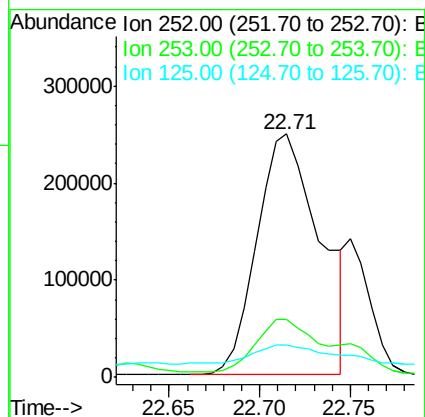
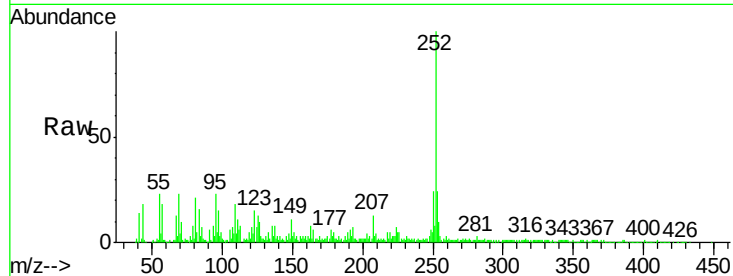
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





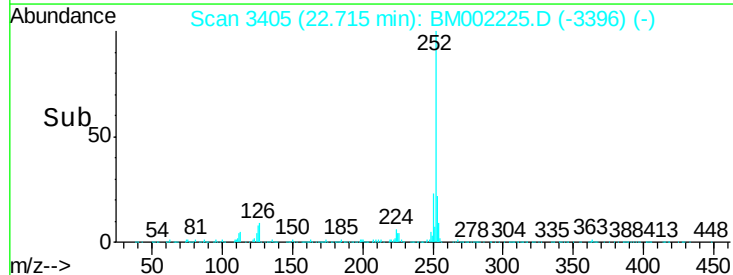
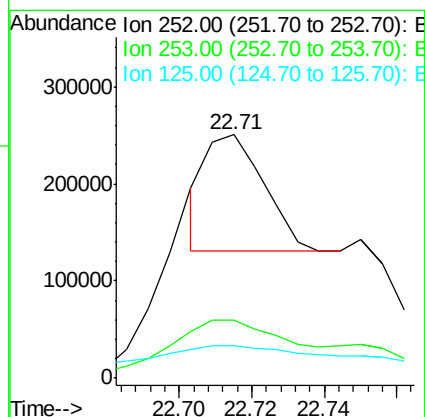
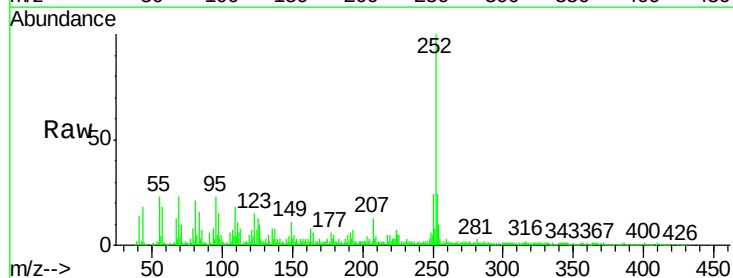
#88
Benzo(b)fluoranthene
Concen: 11.03 ng/ul
RT: 22.71 min Scan# 3405
Delta R.T. 0.02 min
Lab File: BM002225.D
Acq: 05 Aug 2015 00:31

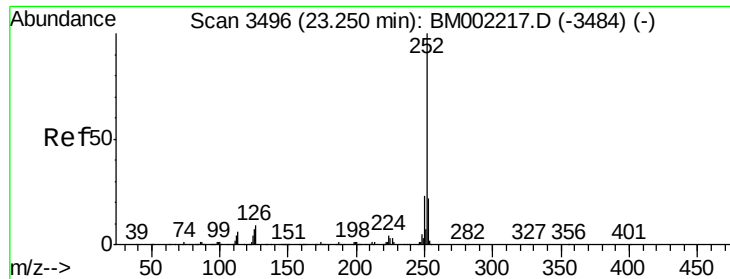
Tgt Ion:252 Resp: 599328
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 13.5 5.4 8.2#



#89
Benzo(k)fluoranthene
Concen: 2.51 ng/ul
RT: 22.71 min Scan# 3405
Delta R.T. -0.02 min
Lab File: BM002225.D
Acq: 05 Aug 2015 00:31

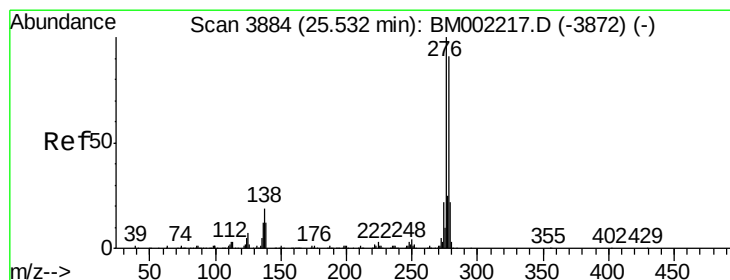
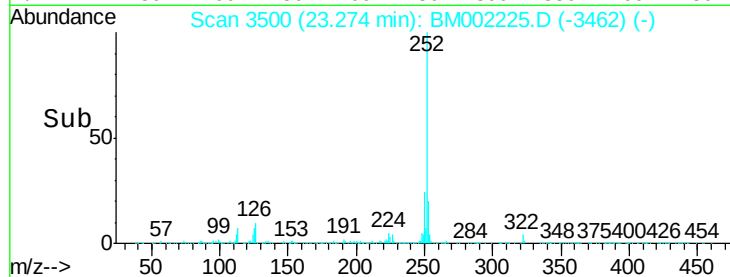
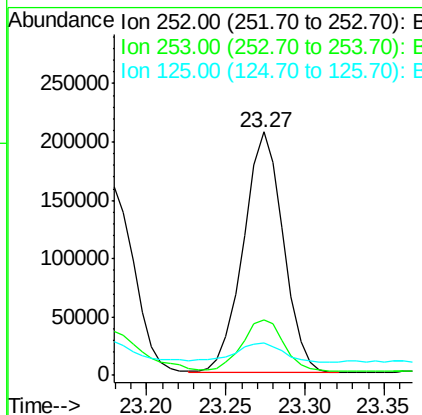
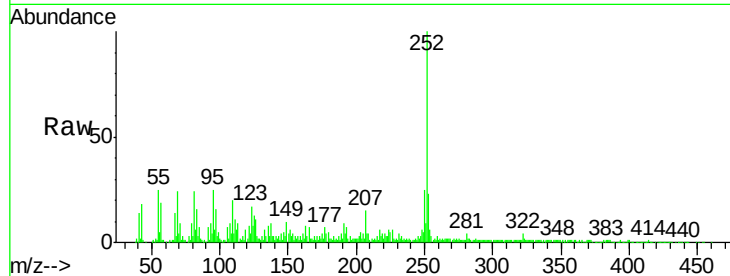
Tgt Ion:252 Resp: 131870
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.2
125 13.5 5.6 8.4#





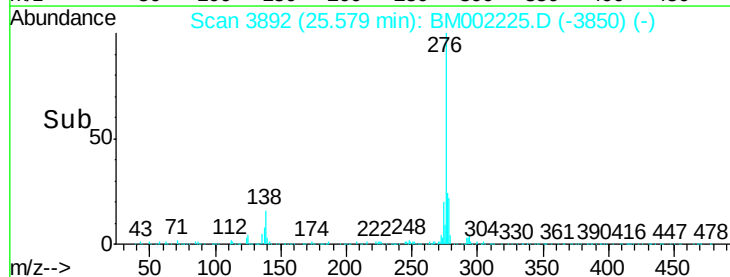
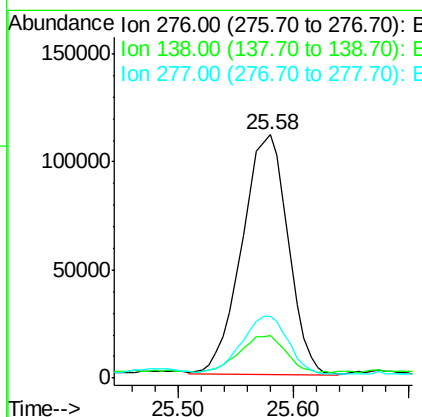
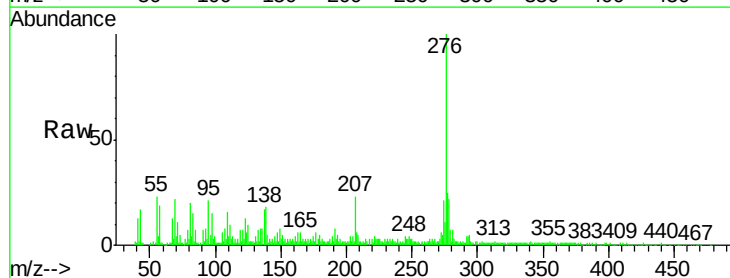
#91
Benzo(a)pyrene
Concen: 6.98 ng/ul
RT: 23.27 min Scan# 3500
Delta R.T. 0.02 min
Lab File: BM002225.D
Acq: 05 Aug 2015 00:31

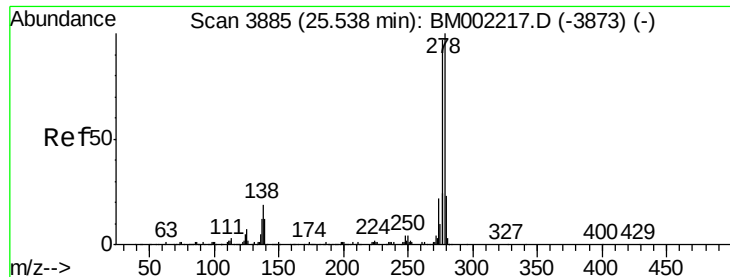
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	13.5	6.1	9.1



#92
Indeno(1,2,3-cd)pyrene
Concen: 5.26 ng/ul
RT: 25.58 min Scan# 3892
Delta R.T. 0.05 min
Lab File: BM002225.D
Acq: 05 Aug 2015 00:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.8	15.4	23.0
277	25.3	20.2	30.2





#93

Dibenzo(a,h)anthracene

Concen: 1.64 ng/ul

RT: 25.57 min Scan# 3890

Delta R.T. 0.03 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

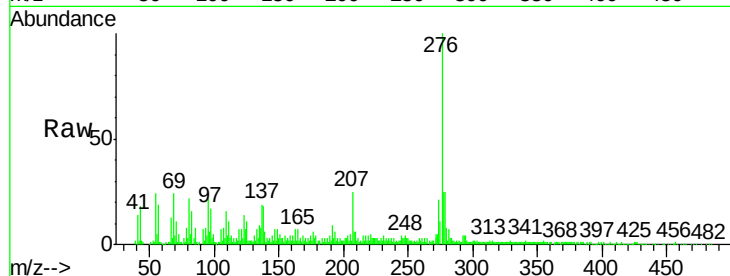
Tgt Ion:278 Resp: 81868

Ion Ratio Lower Upper

278 100

139 23.6 10.4 15.6#

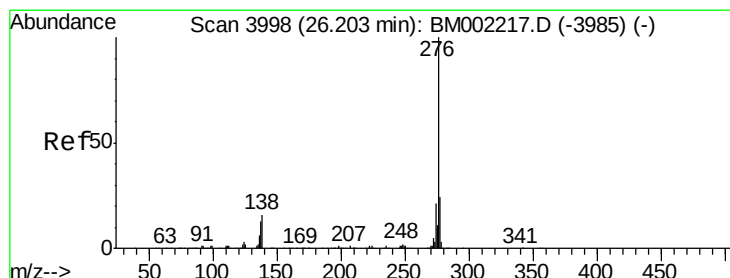
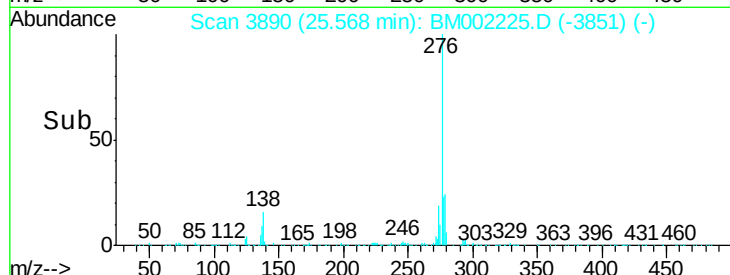
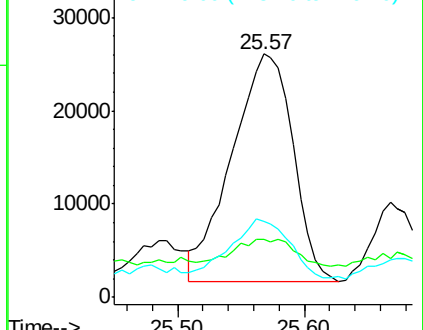
279 31.3 17.9 26.9#



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



#94

Benzo(g,h,i)perylene

Concen: 6.29 ng/ul

RT: 26.26 min Scan# 4007

Delta R.T. 0.05 min

Lab File: BM002225.D

Acq: 05 Aug 2015 00:31

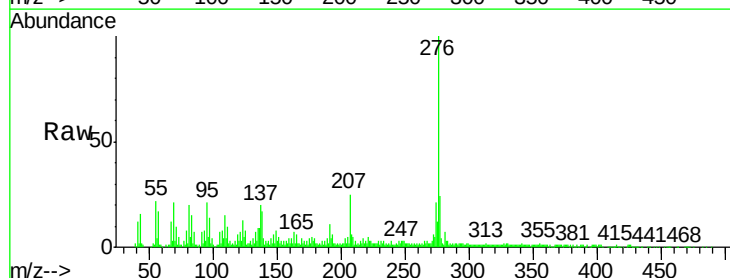
Tgt Ion:276 Resp: 306303

Ion Ratio Lower Upper

276 100

138 17.3 12.5 18.7

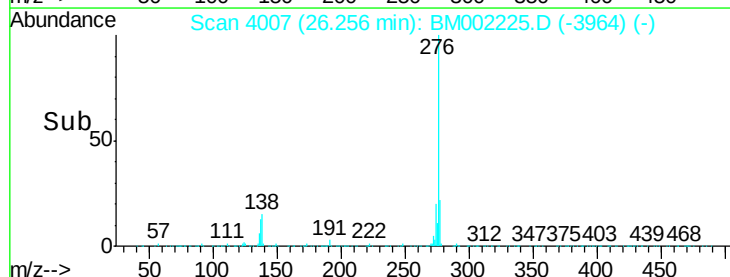
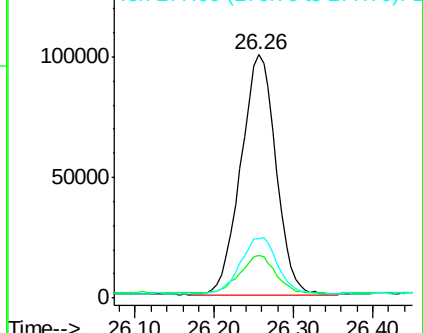
277 24.4 19.4 29.0



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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
 Data File : BM002217.D
 Acq On : 04 Aug 2015 19:39
 Operator : TP/UM
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 02:53:46 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:46:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	75510	20.00	ng/ul	0.00
18) Naphthalene-d8	10.31	136	318444	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.20	164	194845	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.95	188	422933	20.00	ng/ul	0.00
78) Chrysene-d12	21.16	240	412123	20.00	ng/ul	0.00
86) Perylene-d12	23.34	264	369006	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.96	96	10014	7.53	ng/uL	0.00
5) Phenol-d5	6.71	99	107824	19.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	56283	19.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	92781	19.36	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	91142	19.56	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	44840	19.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	52439	19.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	100357	19.26	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	120651	20.92	ng/ul	0.00
44) Dimethylphthalate-d6	13.61	166	278874	19.68	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	353643	19.74	ng/ul	0.00
52) 4-Nitrophenol-d4	14.44	143	36179	19.70	ng/ul	0.00
58) Fluorene-d10	15.20	176	242741	19.39	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.35	200	45356	18.61	ng/ul	0.00
71) Anthracene-d10	17.05	188	362099	19.24	ng/ul	0.00
79) Pyrene-d10	19.36	212	374804	19.00	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.20	264	346751	19.35	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.00	88	10716	7.81	ng/ul 98
4) Benzaldehyde	6.67	77	60456	21.52	ng/ul 98
6) Phenol	6.74	94	110107	19.33	ng/ul 99
8) Bis(2-Chloroethyl)ether	6.96	93	80072	19.28	ng/ul 98
10) 2-Chlorophenol	7.09	128	91631	19.21	ng/ul 98
11) 2-Methylphenol	7.98	108	86752	19.35	ng/ul 99
12) 2,2'-oxybis(1-Chloropropan	8.06	45	78184	19.37	ng/ul 97
14) Acetophenone	8.35	105	142812	19.34	ng/ul 98
15) N-Nitroso-di-n-propylamine	8.33	70	70313	18.82	ng/ul 99
16) 4-Methylphenol	8.32	108	95915	19.47	ng/ul 97
17) Hexachloroethane	8.58	117	35723	19.28	ng/ul 96
20) Nitrobenzene	8.73	77	100090	19.42	ng/ul 98
21) Isophorone	9.25	82	191149	19.01	ng/ul 99
23) 2-Nitrophenol	9.43	139	54897	19.05	ng/ul 97
24) 2,4-Dimethylphenol	9.50	107	107367	19.27	ng/ul 96
25) Bis(2-Chloroethoxy)methane	9.73	93	109820	18.91	ng/ul 98
27) 2,4-Dichlorophenol	9.97	162	96088	19.40	ng/ul 99
28) Naphthalene	10.36	128	289755	19.24	ng/ul 99
30) 4-Chloroaniline	10.49	127	125774	20.89	ng/ul 97
31) Hexachlorobutadiene	10.63	225	67297	19.25	ng/ul 94
32) Caprolactam	11.25	113	27127m	20.34	ng/ul
33) 4-Chloro-3-methylphenol	11.63	107	98054	19.36	ng/ul 98
34) 2-Methylnaphthalene	11.99	142	223523	19.28	ng/ul 99

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
 Data File : BM002217.D
 Acq On : 04 Aug 2015 19:39
 Operator : TP/UM
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 02:53:46 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:46:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.21	142	211851	19.13	ng/ul	97
37) 1,2,4,5-Tetrachlorobenzene	12.36	216	128075	19.12	ng/ul	96
38) Hexachlorocyclopentadiene	12.33	237	42609	15.09	ng/ul	99
39) 2,4,6-Trichlorophenol	12.62	196	77634	18.97	ng/ul	98
40) 2,4,5-Trichlorophenol	12.70	196	85299	19.70	ng/ul	97
41) 1,1'-Biphenyl	13.02	154	288426	19.25	ng/ul	98
42) 2-Chloronaphthalene	13.06	162	223235	19.25	ng/ul	99
43) 2-Nitroaniline	13.29	65	59439	20.21	ng/ul	98
45) Dimethylphthalate	13.66	163	277385	19.63	ng/ul	99
46) 2,6-Dinitrotoluene	13.79	165	59779	20.33	ng/ul	100
48) Acenaphthylene	13.92	152	354995	19.43	ng/ul	99
49) 3-Nitroaniline	14.12	138	56266	21.35	ng/ul	94
50) Acenaphthene	14.26	153	231897	19.43	ng/ul	99
51) 2,4-Dinitrophenol	14.35	184	24122	19.75	ng/ul	98
53) 4-Nitrophenol	14.46	109	31648	19.67	ng/ul	95
54) Dibenzofuran	14.60	168	336957	19.49	ng/ul	98
55) 2,4-Dinitrotoluene	14.59	165	84176	20.15	ng/ul	97
56) 2,3,4,6-Tetrachlorophenol	14.84	232	60445	20.21	ng/ul	99
57) Diethylphthalate	15.03	149	269009	19.79	ng/ul	99
59) Fluorene	15.25	166	278290	19.57	ng/ul	98
60) 4-Chlorophenyl-phenylether	15.24	204	148044	19.48	ng/ul	98
61) 4-Nitroaniline	15.30	138	53366	19.96	ng/ul	99
64) 4,6-Dinitro-2-methylphenol	15.36	198	46021	18.57	ng/ul	96
65) N-Nitrosodiphenylamine	15.47	169	237805	18.95	ng/ul	99
66) 4-Bromophenyl-phenylether	16.14	248	90241	18.92	ng/ul	96
67) Hexachlorobenzene	16.26	284	98389	19.22	ng/ul	98
68) Atrazine	16.43	200	91921	19.85	ng/ul	98
69) Pentachlorophenol	16.62	266	20464	17.91	ng/ul	96
70) Phenanthrene	17.00	178	420716	19.37	ng/ul	99
72) Anthracene	17.09	178	431167	19.43	ng/ul	100
73) 1,2,3,4-Tetrachlorobenzene	12.99	216	126419	18.41	ng/uL	99
74) Pentachlorobenzene	14.52	250	117760	18.51	ng/uL	99
75) Carbazole	17.36	167	359461	19.43	ng/ul	99
76) Di-n-butylphthalate	17.92	149	424485	19.42	ng/ul	99
77) Fluoranthene	19.02	202	468523	19.71	ng/ul	99
80) Pyrene	19.39	202	484359	19.12	ng/ul	99
81) Butylbenzylphthalate	20.30	149	173923	19.04	ng/ul	99
82) 3,3'-Dichlorobenzidine	21.08	252	139676	19.58	ng/ul	99
83) Benzo(a)anthracene	21.14	228	443910	19.23	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.07	149	249523	19.20	ng/ul	100
85) Chrysene	21.20	228	411268	19.35	ng/ul	100
87) Di-n-octyl phthalate	21.93	149	396787	19.24	ng/ul	100
88) Benzo(b)fluoranthene	22.69	252	400365	19.26	ng/ul	99
89) Benzo(k)fluoranthene	22.73	252	384474	19.09	ng/ul	100
91) Benzo(a)pyrene	23.25	252	383272	19.30	ng/ul	100
92) Indeno(1,2,3-cd)pyrene	25.53	276	437660	19.56	ng/ul	100
93) Dibenzo(a,h)anthracene	25.54	278	373160	19.56	ng/ul	98
94) Benzo(g,h,i)perylene	26.20	276	363010	19.48	ng/ul	99

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002217.D
Acq On : 04 Aug 2015 19:39
Operator : TP/UM
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 02:53:46 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:46:59 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\  
Data File : BM002217.D  
Acq On    : 04 Aug 2015   19:39  
Operator  : TP/UM  
Sample    : SSTCCC020  
Misc      :  
ALS Vial  : 4      Sample Multiplier: 1
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Quant Time: Aug 05 02:53:46 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:46:59 2015
Response via : Initial Calibration

