

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE110615\  
 Data File : BE091084.D  
 Acq On : 6 Nov 2015 11:08  
 Operator : UM/NP  
 Sample : G4273-04DL 5X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AN9DL

Quant Time: Nov 09 05:52:53 2015  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM02.2-EPA-SIM-BE102715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 09 05:49:45 2015  
 Response via : Initial Calibration

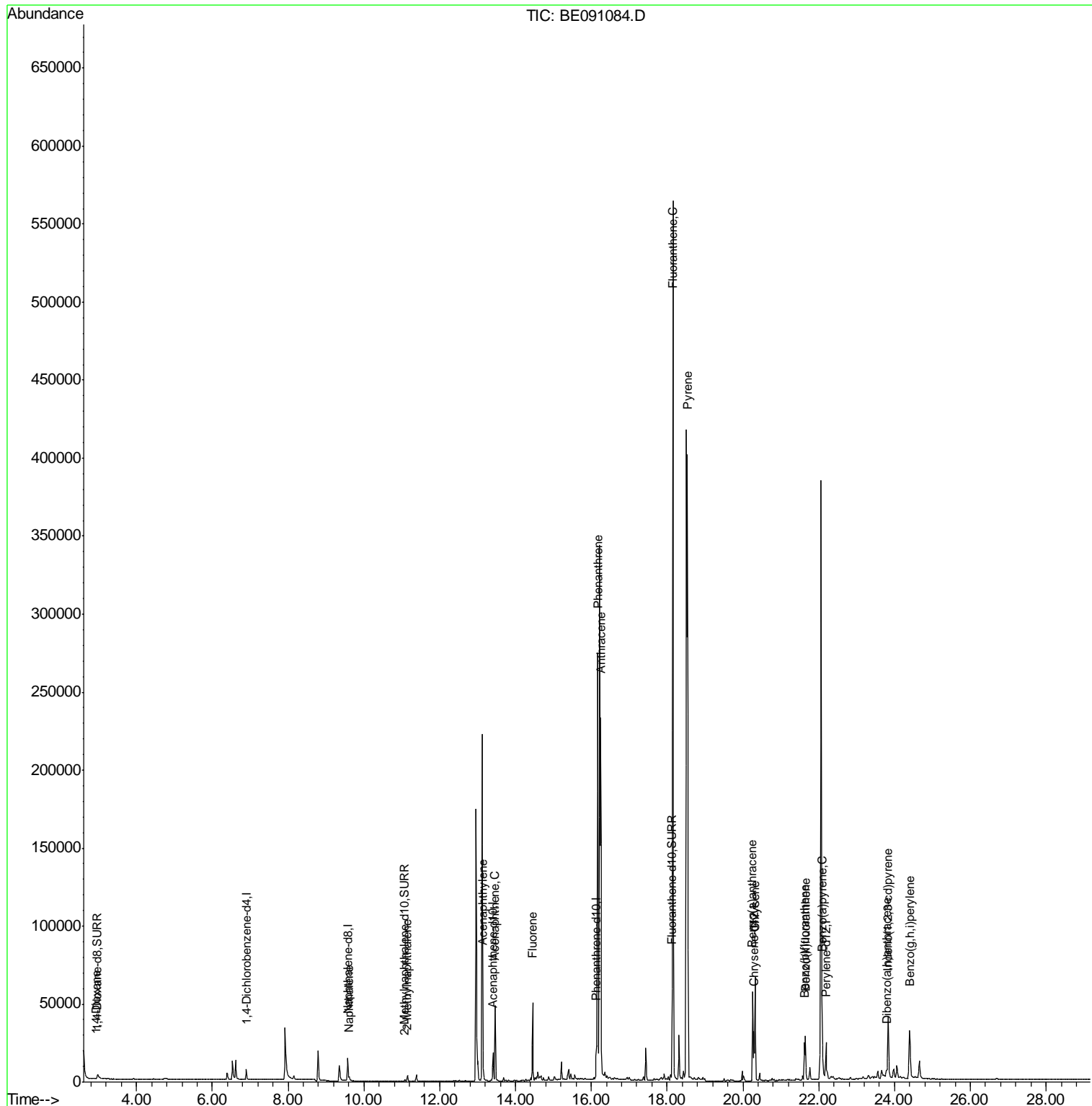
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	3065	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	17125	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	9934	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	23271	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	25151	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	26888	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.97	96	3722	1.69	ng/uL	0.02
6) 2-Methylnaphthalene-d10	11.08	152	1499	0.06	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	4341	0.07	ng/ul	0.00
Target Compounds						
						Qvalue
3) 1,4-Dioxane	2.94	88	231	0.09	ng/ul#	1
5) Naphthalene	9.61	128	3452	0.08	ng/ul	94
7) 2-Methylnaphthalene	11.15	142	3019	0.11	ng/ul	98
9) Acenaphthylene	13.14	152	5407	0.11	ng/ul	98
10) Acenaphthene	13.46	153	27310	0.80	ng/ul	94
11) Fluorene	14.45	166	31556	0.72	ng/ul	91
14) Phenanthrene	16.17	178	288163	1.07	ng/ul	97
15) Anthracene	16.25	178	242496	0.99	ng/ul	100
17) Fluoranthene	18.15	202	577587	1.84	ng/ul	88
19) Pyrene	18.54	202	420411	1.47	ng/ul#	78
20) Benzo(a)anthracene	20.26	228	47158	0.73	ng/ul	98
21) Chrysene	20.32	228	55814	0.75	ng/ul	97
23) Benzo(b)fluoranthene	21.63	252	25812	0.31	ng/ul	95
24) Benzo(k)fluoranthene	21.65	252	26277	0.31	ng/ul	97
25) Benzo(a)pyrene	22.10	252	31269	0.40	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.83	276	58701	0.18	ng/ul#	88
27) Dibenzo(a,h)anthracene	23.79	278	4517	0.06	ng/ul#	71
28) Benzo(g,h,i)perylene	24.40	276	51872	0.15	ng/ul	96

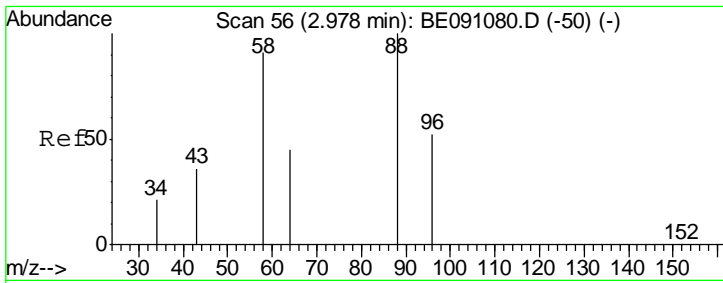
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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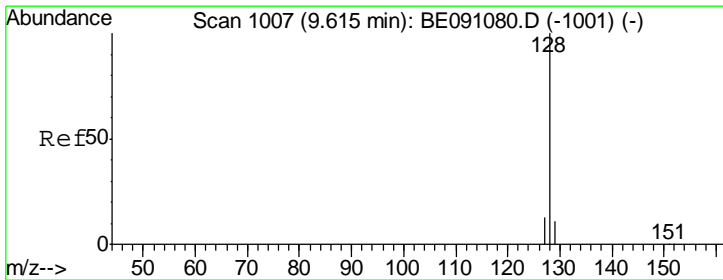
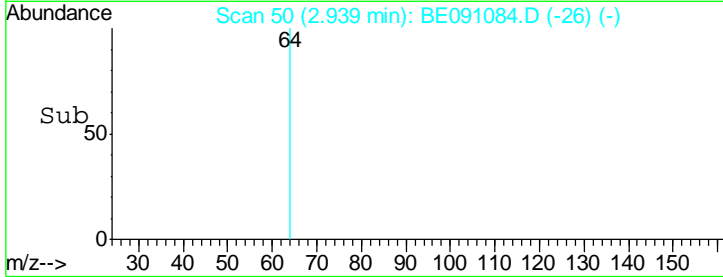
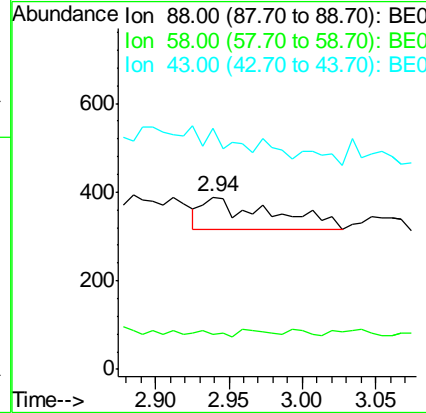
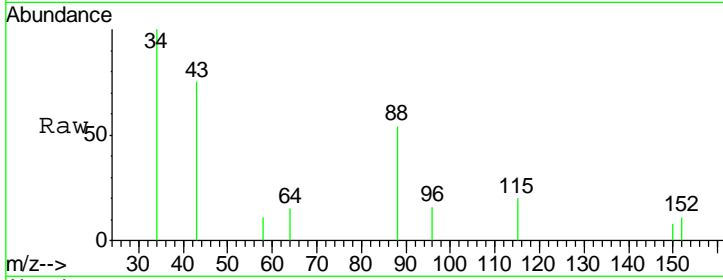




#3  
 1,4-Dioxane  
 Concen: 0.09 ng/ul  
 RT: 2.94 min Scan# 50  
 Delta R.T. -0.04 min  
 Lab File: BE091084.D  
 Acq: 6 Nov 2015 11:08

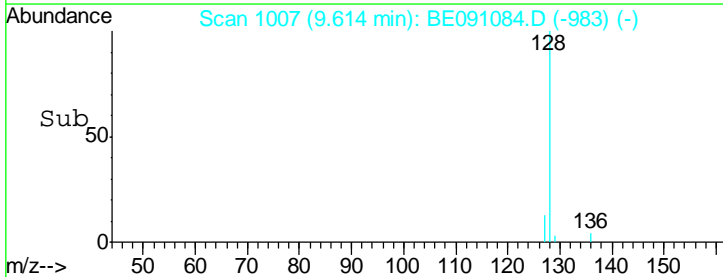
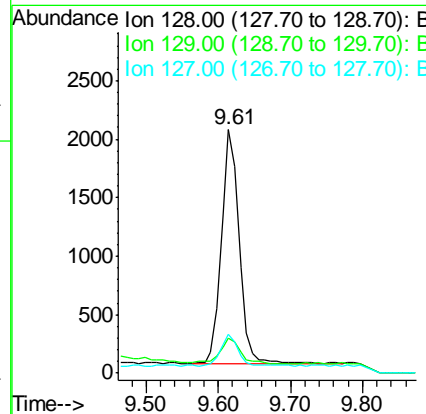
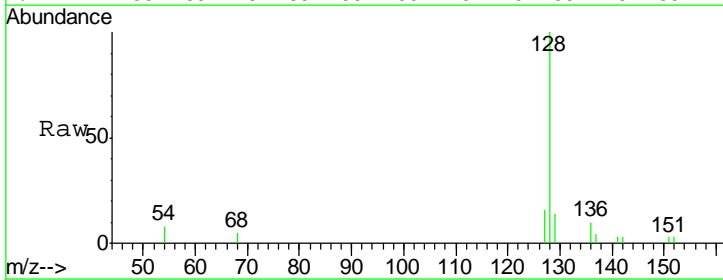
**Instrument :**  
 BNA\_E  
**ClientSampled :**  
 C0AN9DL

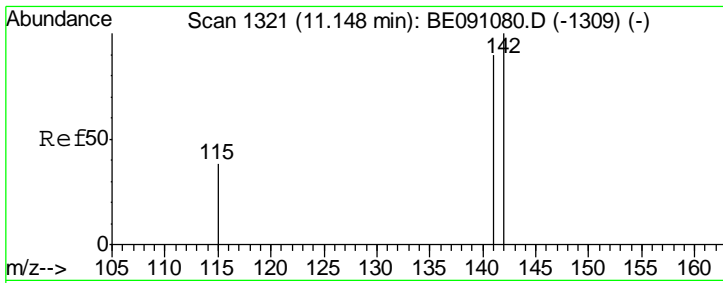
Tgt Ion	Resp	Lower	Upper
88	100		
58	0.0	55.4	83.2#
43	185.3	24.2	36.2#



#5  
 Naphthalene  
 Concen: 0.08 ng/ul  
 RT: 9.61 min Scan# 1007  
 Delta R.T. -0.00 min  
 Lab File: BE091084.D  
 Acq: 6 Nov 2015 11:08

Tgt Ion	Resp	Lower	Upper
128	100		
129	14.4	9.8	14.8
127	15.9	10.7	16.1

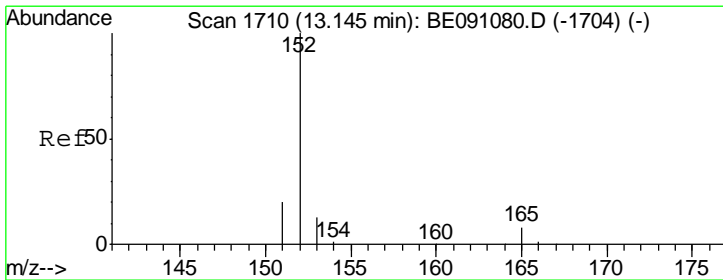
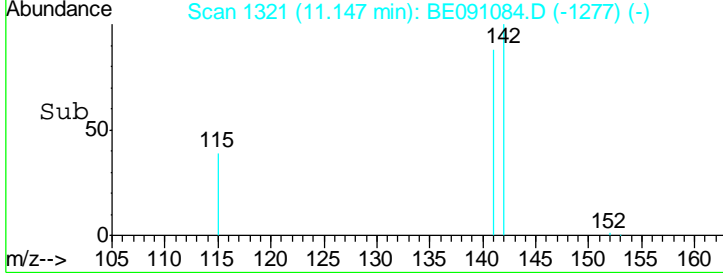
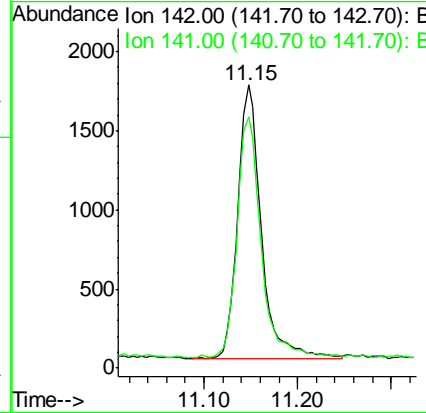
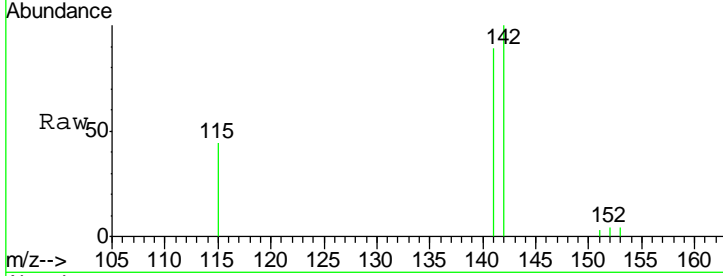




#7  
 2-Methylnaphthalene  
 Concen: 0.11 ng/ul  
 RT: 11.15 min Scan# 1321  
 Delta R.T. -0.00 min  
 Lab File: BE091084.D  
 Acq: 6 Nov 2015 11:08

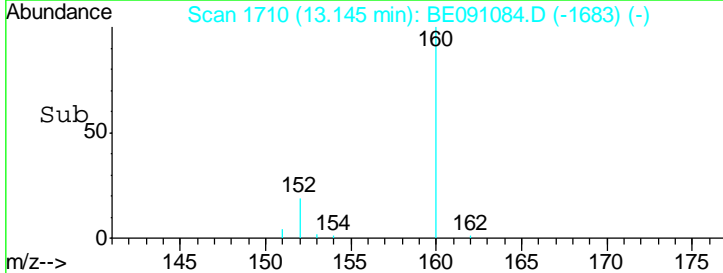
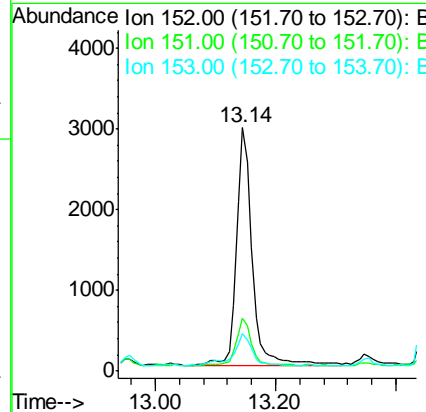
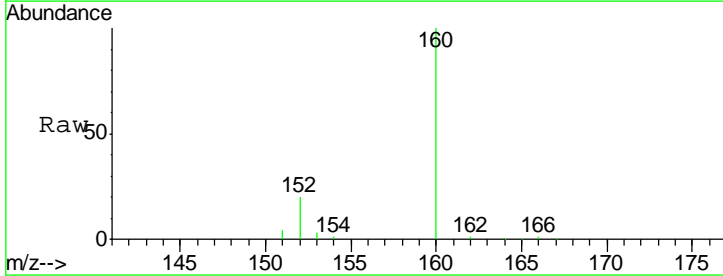
Instrument :  
 BNA\_E  
 ClientSampled :  
 COAN9DL

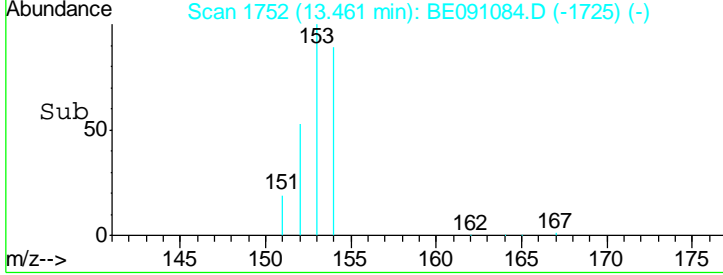
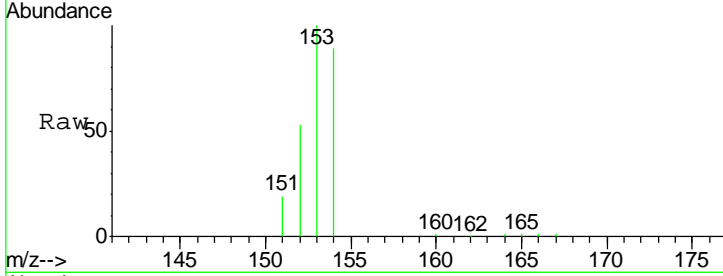
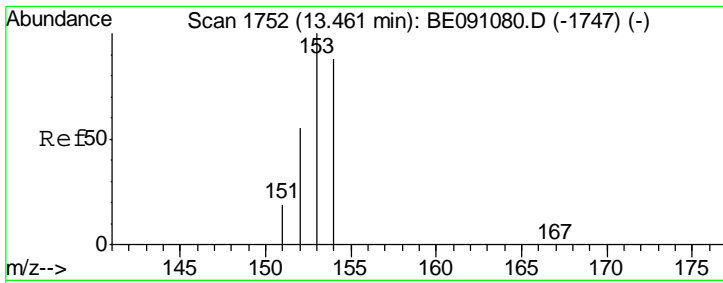
Tgt Ion:142 Resp: 3019  
 Ion Ratio Lower Upper  
 142 100  
 141 89.8 70.3 105.5



#9  
 Acenaphthylene  
 Concen: 0.11 ng/ul  
 RT: 13.14 min Scan# 1710  
 Delta R.T. -0.00 min  
 Lab File: BE091084.D  
 Acq: 6 Nov 2015 11:08

Tgt Ion:152 Resp: 5407  
 Ion Ratio Lower Upper  
 152 100  
 151 21.7 16.8 25.2  
 153 15.2 11.3 16.9



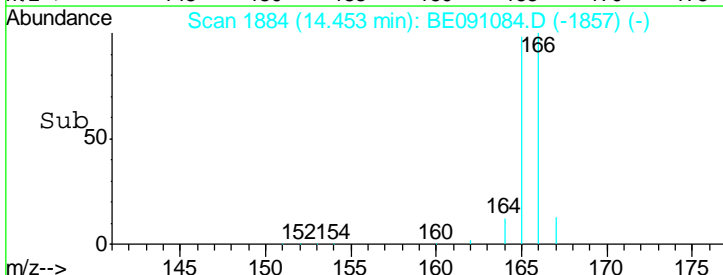
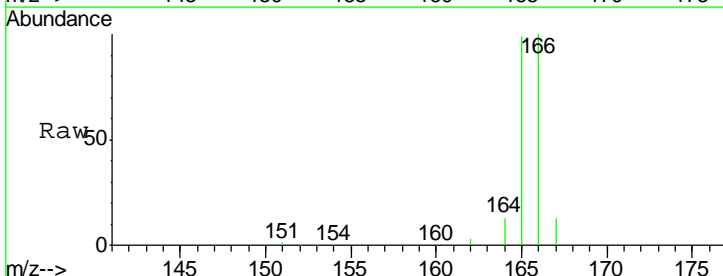
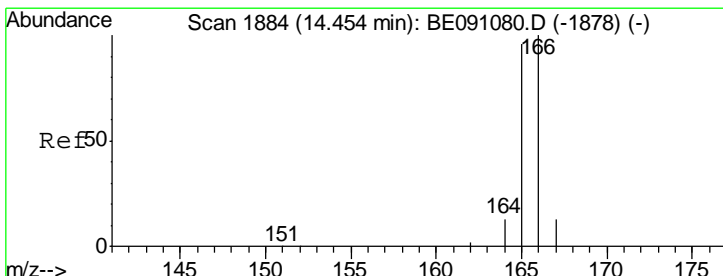
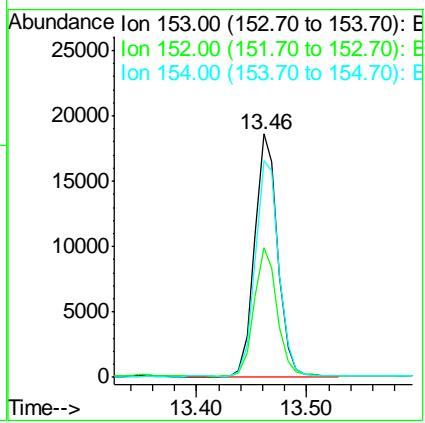


#10  
 Acenaphthene  
 Concen: 0.80 ng/ul  
 RT: 13.46 min Scan# 1752  
 Delta R.T. -0.00 min  
 Lab File: BE091084.D  
 Acq: 6 Nov 2015 11:08

Instrument :  
 BNA\_E  
 ClientSampleID :  
 C0AN9DL

Tgt Ion:153 Resp: 27310

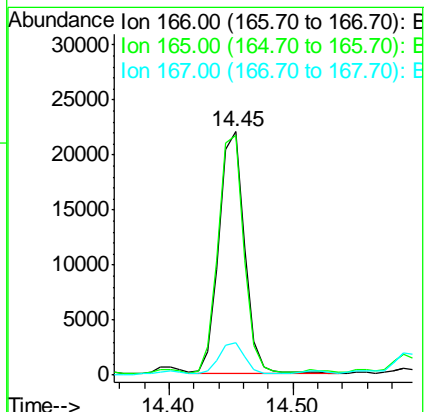
Ion	Ratio	Lower	Upper
153	100		
152	53.3	42.3	63.5
154	88.9	64.7	97.1

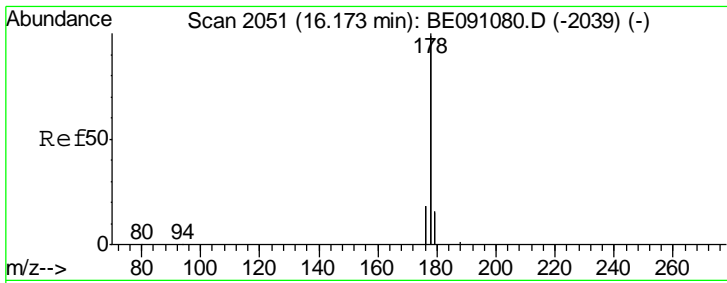


#11  
 Fluorene  
 Concen: 0.72 ng/ul  
 RT: 14.45 min Scan# 1884  
 Delta R.T. -0.00 min  
 Lab File: BE091084.D  
 Acq: 6 Nov 2015 11:08

Tgt Ion:166 Resp: 31556

Ion	Ratio	Lower	Upper
166	100		
165	98.6	87.6	131.4
167	13.5	11.1	16.7

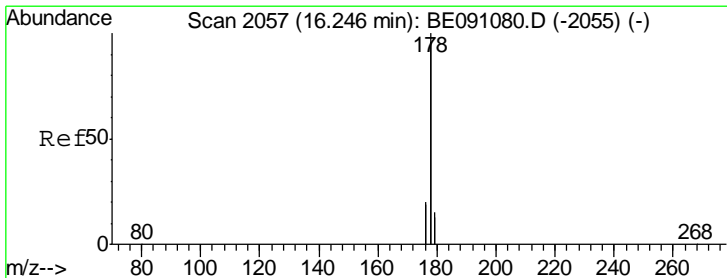
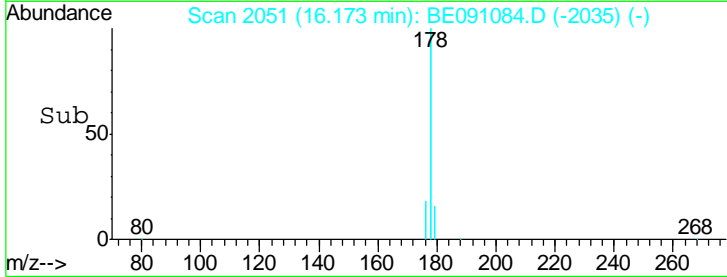
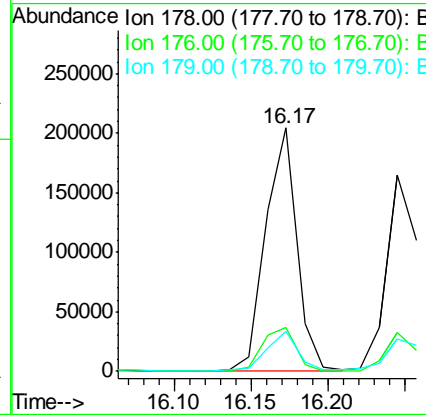
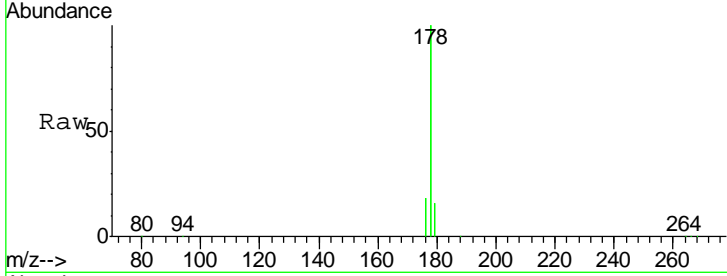




#14  
 Phenanthrene  
 Concen: 1.07 ng/ul  
 RT: 16.17 min Scan# 2051  
 Delta R.T. -0.00 min  
 Lab File: BE091084.D  
 Acq: 6 Nov 2015 11:08

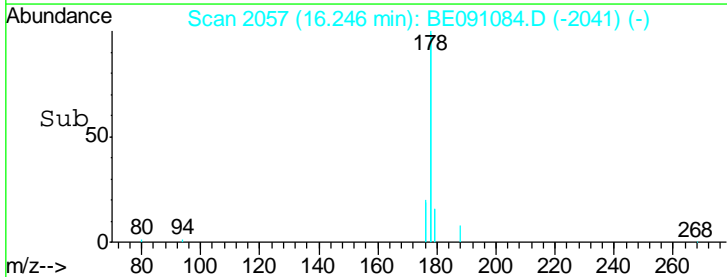
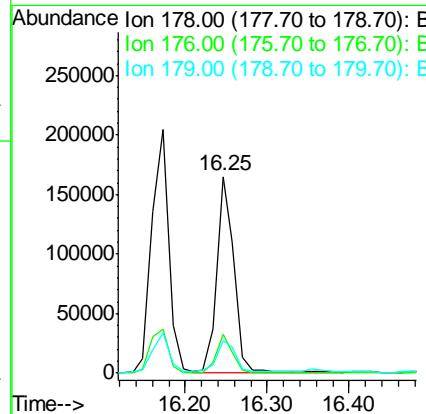
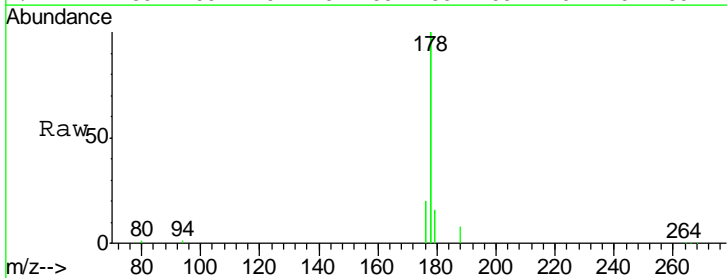
Instrument :  
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 ClientSampled :  
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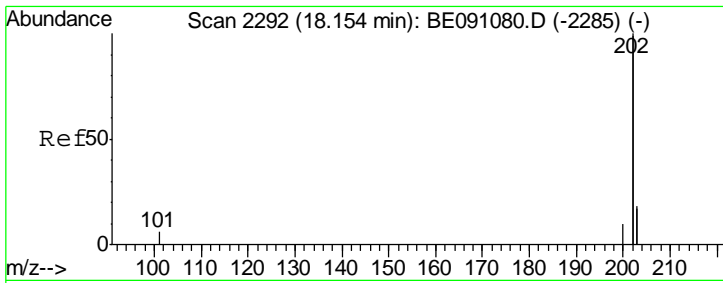
Tgt Ion	Resp	Lower	Upper
178	288163		
176	17.8	16.2	24.4
179	16.4	12.8	19.2



#15  
 Anthracene  
 Concen: 0.99 ng/ul  
 RT: 16.25 min Scan# 2057  
 Delta R.T. -0.00 min  
 Lab File: BE091084.D  
 Acq: 6 Nov 2015 11:08

Tgt Ion	Resp	Lower	Upper
178	242496		
176	19.7	15.8	23.8
179	16.4	13.3	19.9

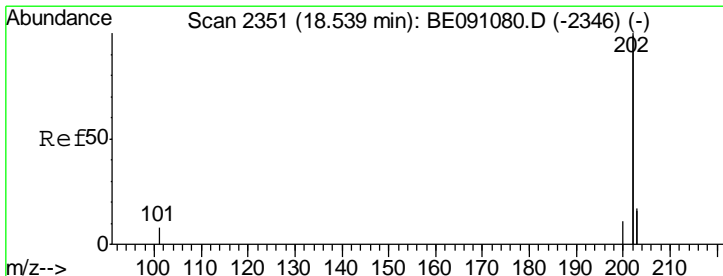
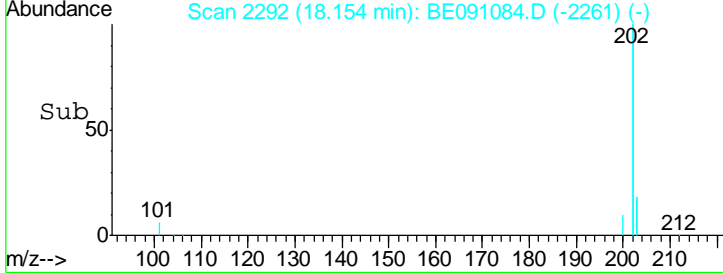
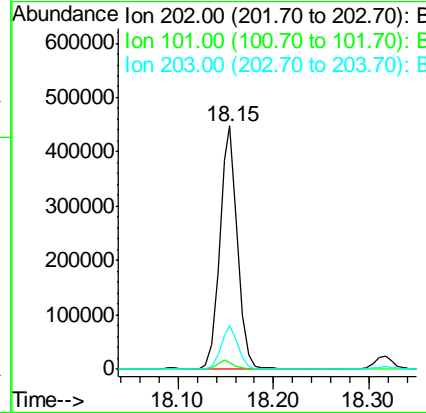
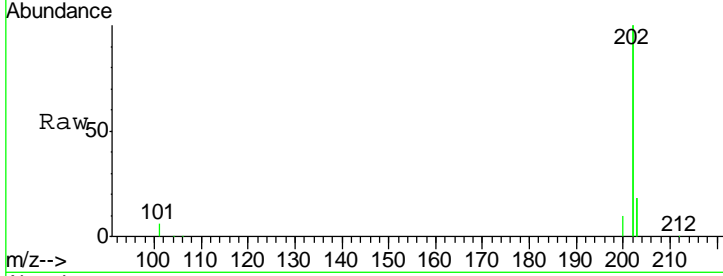




#17  
 Fluoranthene  
 Concen: 1.84 ng/ul  
 RT: 18.15 min Scan# 2292  
 Delta R.T. 0.00 min  
 Lab File: BE091084.D  
 Acq: 6 Nov 2015 11:08

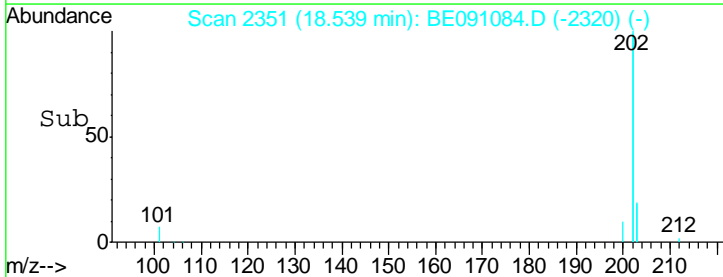
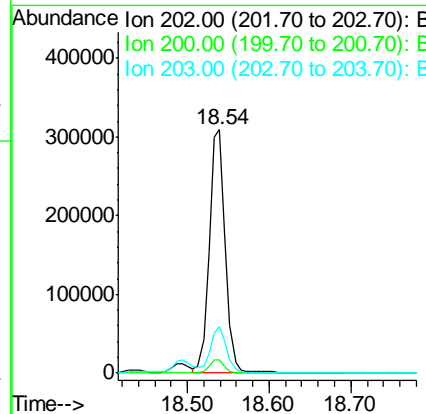
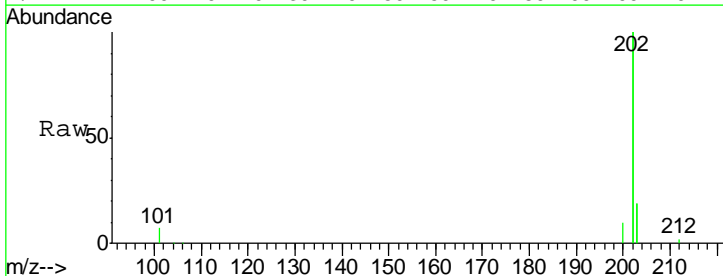
Instrument :  
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 ClientSampled :  
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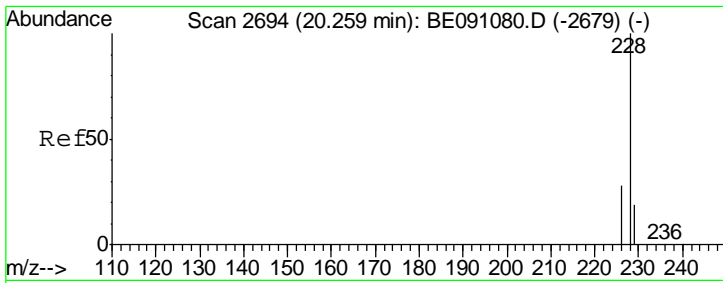
Tgt Ion	Resp	Lower	Upper
202	100		
101	3.1	0.0	33.1
203	18.0	0.0	37.2



#19  
 Pyrene  
 Concen: 1.47 ng/ul  
 RT: 18.54 min Scan# 2351  
 Delta R.T. 0.00 min  
 Lab File: BE091084.D  
 Acq: 6 Nov 2015 11:08

Tgt Ion	Resp	Lower	Upper
202	100		
200	5.2	18.0	27.0#
203	19.1	13.8	20.6



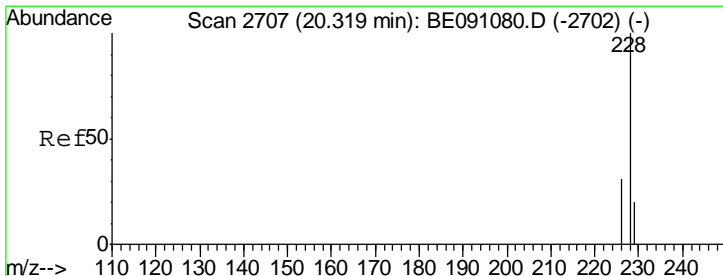
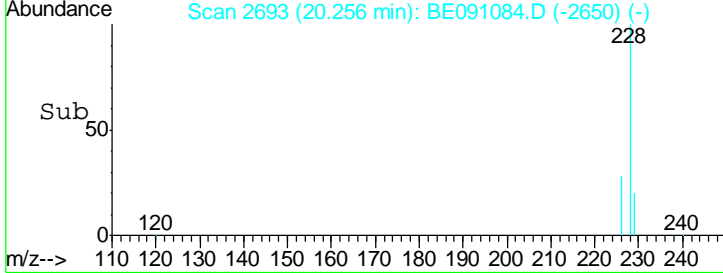
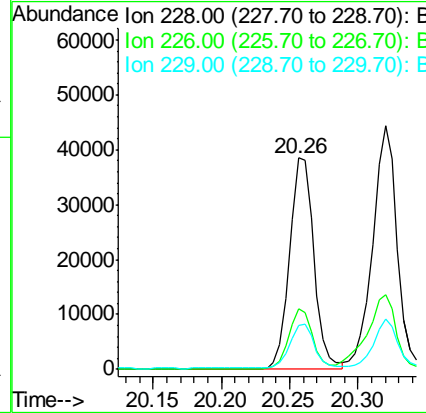
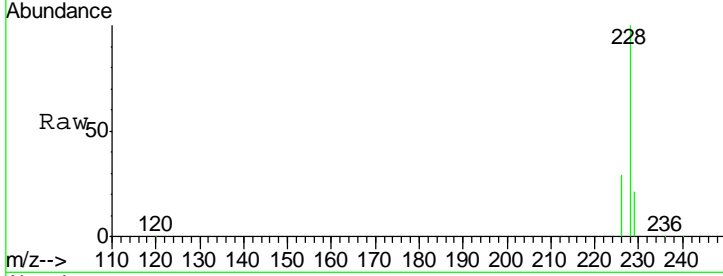


#20  
 Benzo(a)anthracene  
 Concen: 0.73 ng/ul  
 RT: 20.26 min Scan# 2693  
 Delta R.T. -0.00 min  
 Lab File: BE091084.D  
 Acq: 6 Nov 2015 11:08

Instrument :  
 BNA\_E  
 ClientSampled :  
 C0AN9DL

Tgt Ion: 228 Resp: 47158

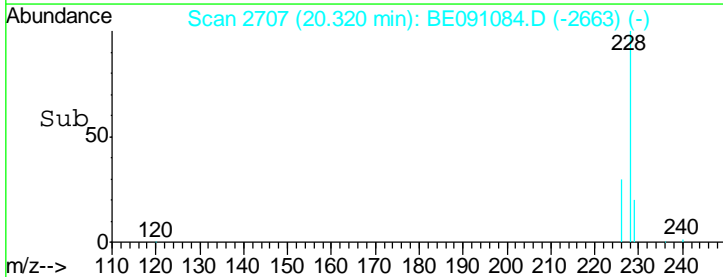
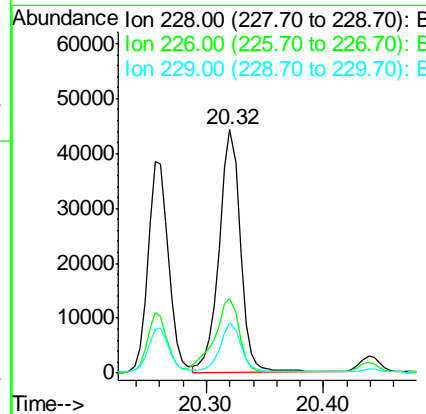
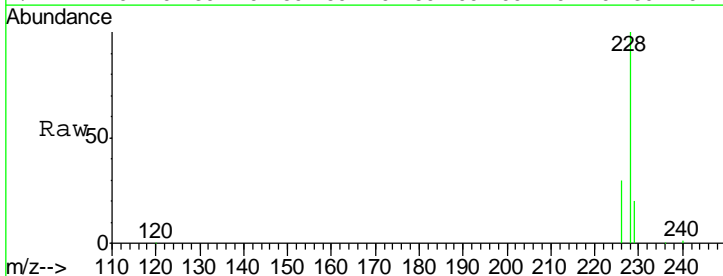
Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.0	34.4
229	20.9	15.2	22.8



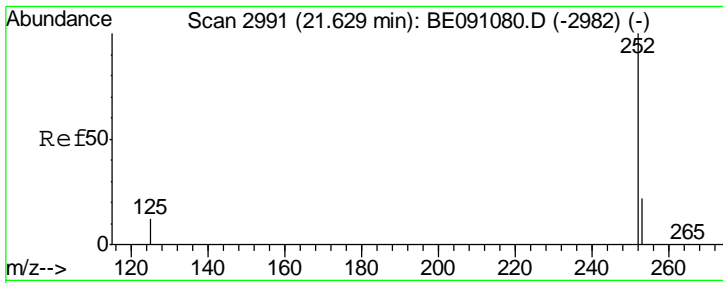
#21  
 Chrysene  
 Concen: 0.75 ng/ul  
 RT: 20.32 min Scan# 2707  
 Delta R.T. 0.00 min  
 Lab File: BE091084.D  
 Acq: 6 Nov 2015 11:08

Tgt Ion: 228 Resp: 55814

Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.7	38.5
229	20.5	15.2	22.8





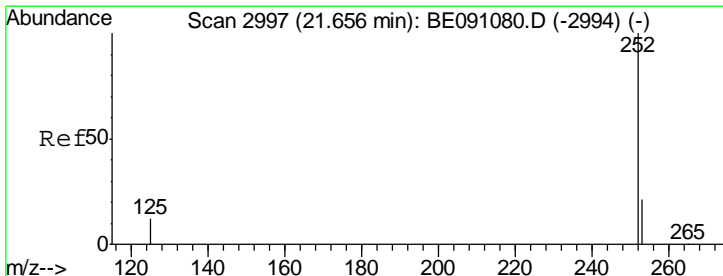
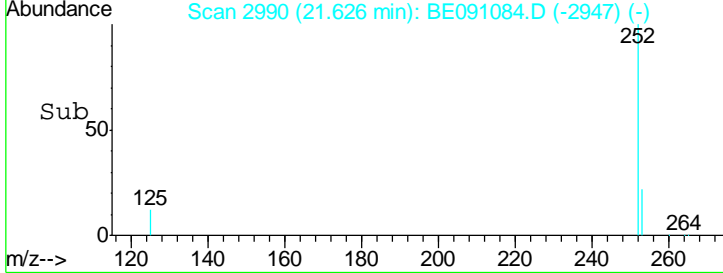
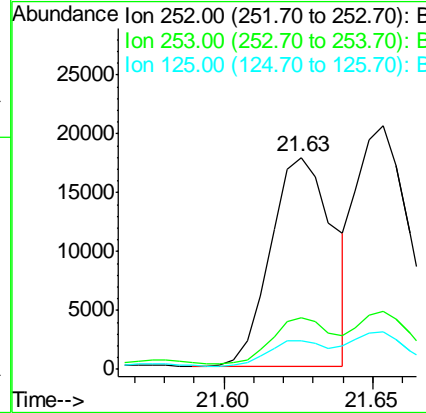
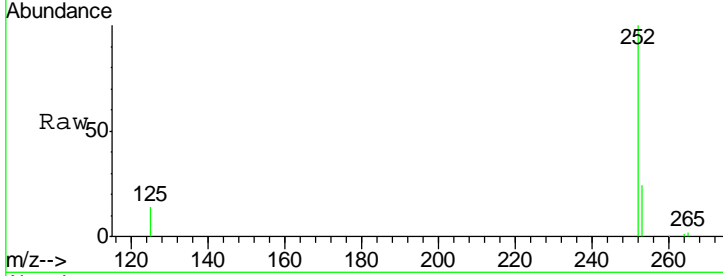


#23  
 Benzo(b)fluoranthene  
 Concen: 0.31 ng/ul  
 RT: 21.63 min Scan# 2990  
 Delta R.T. -0.00 min  
 Lab File: BE091084.D  
 Acq: 6 Nov 2015 11:08

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AN9DL

Tgt Ion: 252 Resp: 25812

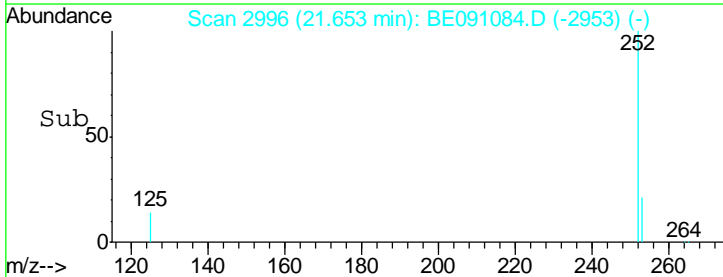
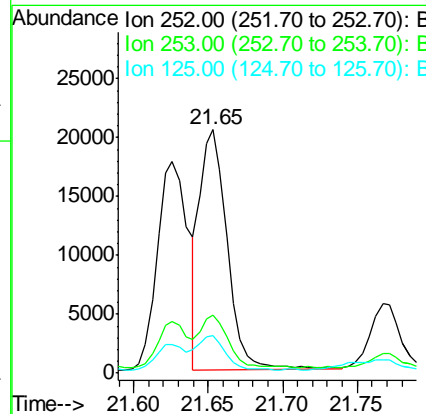
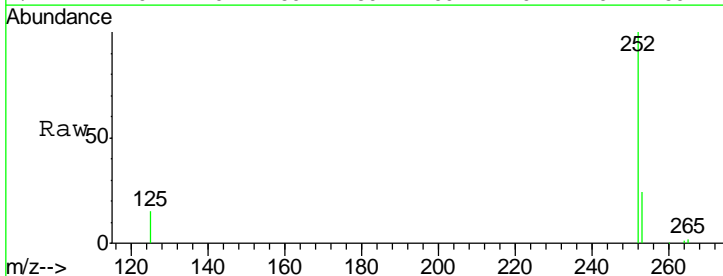
Ion	Ratio	Lower	Upper
252	100		
253	24.1	0.0	48.0
125	13.5	0.0	36.6

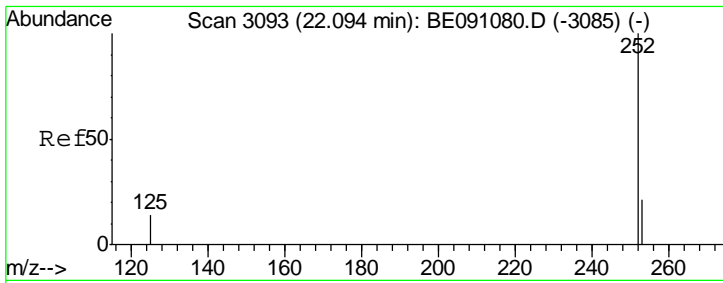


#24  
 Benzo(k)fluoranthene  
 Concen: 0.31 ng/ul  
 RT: 21.65 min Scan# 2996  
 Delta R.T. -0.00 min  
 Lab File: BE091084.D  
 Acq: 6 Nov 2015 11:08

Tgt Ion: 252 Resp: 26277

Ion	Ratio	Lower	Upper
252	100		
253	24.0	20.8	31.2
125	15.5	12.2	18.4

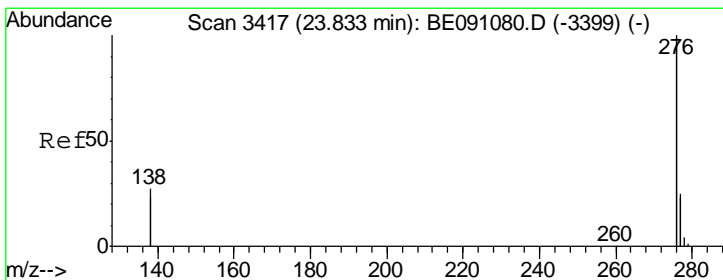
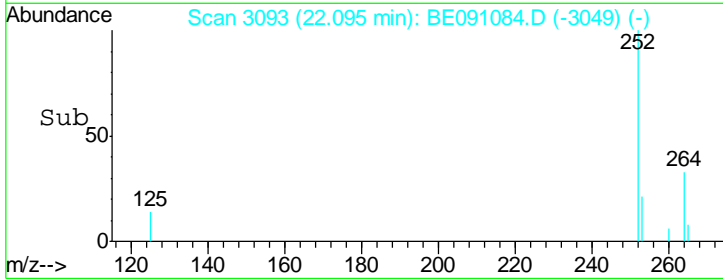
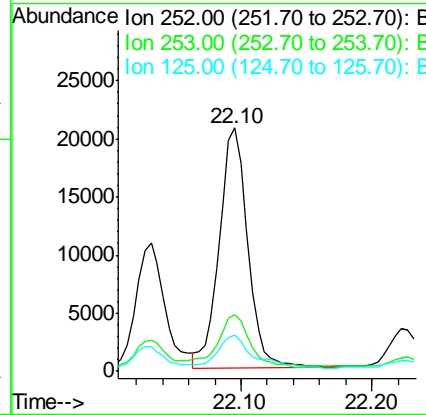
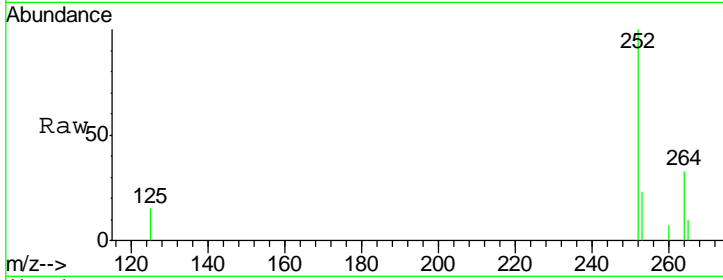




#25  
 Benzo(a)pyrene  
 Concen: 0.40 ng/ul  
 RT: 22.10 min Scan# 3093  
 Delta R.T. 0.00 min  
 Lab File: BE091084.D  
 Acq: 6 Nov 2015 11:08

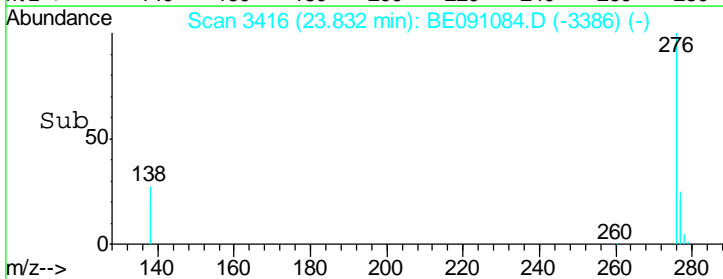
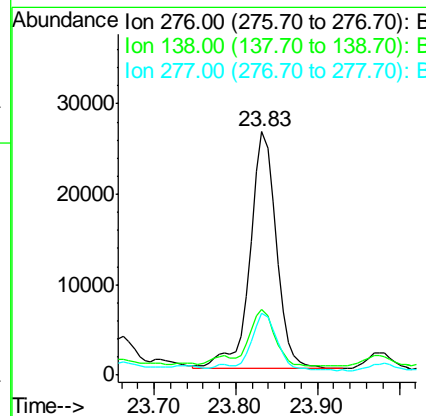
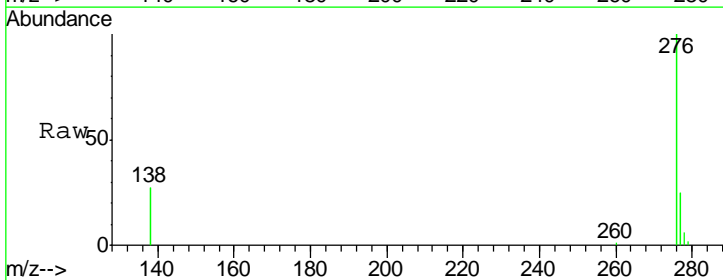
Instrument :  
 BNA\_E  
 ClientSampleID :  
 C0AN9DL

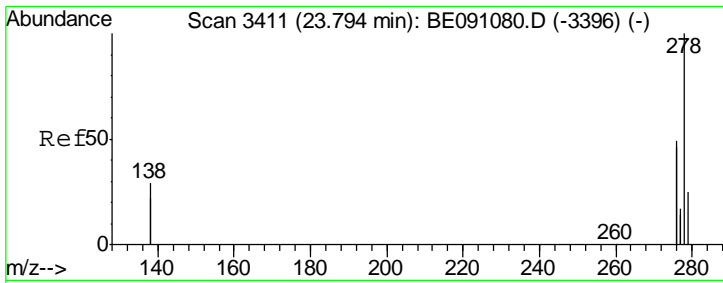
Tgt Ion	Resp	Lower	Upper
252	31269		
253	23.0	21.8	32.8
125	14.9	14.5	21.7



#26  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.18 ng/ul  
 RT: 23.83 min Scan# 3416  
 Delta R.T. -0.00 min  
 Lab File: BE091084.D  
 Acq: 6 Nov 2015 11:08

Tgt Ion	Resp	Lower	Upper
276	58701		
138	23.1	27.5	41.3#
277	23.2	19.3	28.9



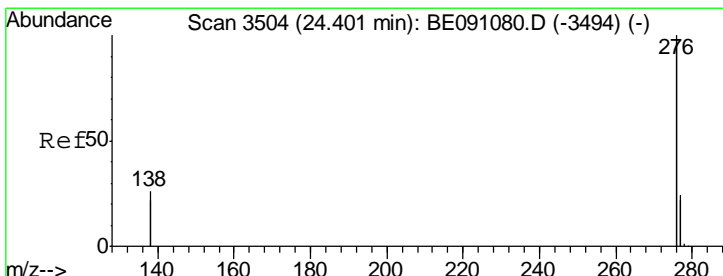
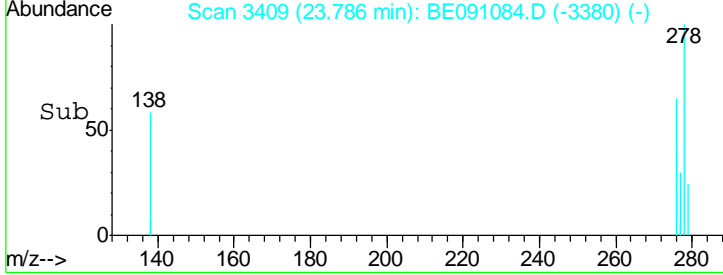
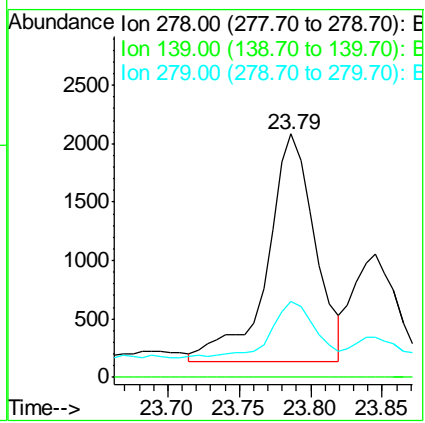
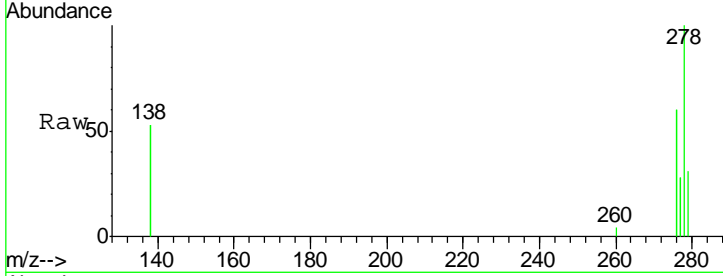


#27  
 Dibenzo(a,h)anthracene  
 Concen: 0.06 ng/ul  
 RT: 23.79 min Scan# 3409  
 Delta R.T. -0.01 min  
 Lab File: BE091084.D  
 Acq: 6 Nov 2015 11:08

Instrument :  
 BNA\_E  
 ClientSampleID :  
 COAN9DL

Tgt Ion: 278 Resp: 4517

Ion	Ratio	Lower	Upper
278	100		
139	0.0	21.7	32.5#
279	31.0	21.9	32.9



#28  
 Benzo(g,h,i)perylene  
 Concen: 0.15 ng/ul  
 RT: 24.40 min Scan# 3503  
 Delta R.T. -0.00 min  
 Lab File: BE091084.D  
 Acq: 6 Nov 2015 11:08

Tgt Ion: 276 Resp: 51872

Ion	Ratio	Lower	Upper
276	100		
277	26.4	21.3	31.9
138	28.4	25.5	38.3

