

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
 Data File : BM002783.D
 Acq On : 30 Sep 2015 13:52
 Operator : UM/IZ
 Sample : G3838-16
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E5MX2

Manual Integrations
 APPROVED

MMDadoda
 9/30/2015 4:42:35 PM

Quant Time: Sep 30 15:06:44 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM092915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 30 06:48:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.70	152	105516	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	412285	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.30	164	187867	20.00	ng/ul	0.01
62) Phenanthrene-d10	18.02	188	356152	20.00	ng/ul	0.02
78) Chrysene-d12	22.10	240	393426	20.00	ng/ul	0.00
86) Perylene-d12	24.70	264	410324	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.77	96	7214	3.17	ng/uL	0.00
5) Phenol-d5	7.82	99	150353	18.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.99	67	95285	21.19	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	141264	18.98	ng/ul	0.00
13) 4-Methylphenol-d8	9.40	113	106952	16.22	ng/ul	0.00
19) Nitrobenzene-d5	9.89	128	68991	21.94	ng/ul	0.00
22) 2-Nitrophenol-d4	10.63	143	65014	19.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.17	165	110324	19.03	ng/ul	0.00
29) 4-Chloroaniline-d4	11.66	131	443656	63.55	ng/ul	-0.02
44) Dimethylphthalate-d6	14.68	166	276525	19.56	ng/ul	0.00
47) Acenaphthylene-d8	15.01	160	388167	20.58	ng/ul	0.01
52) 4-Nitrophenol-d4	15.47	143	79138	31.53	ng/ul	0.02
58) Fluorene-d10	16.28	176	239669	18.82	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	16.41	200	15930	9.17	ng/ul	0.02
71) Anthracene-d10	18.12	188	335581	19.74	ng/ul	0.01
79) Pyrene-d10	20.34	212	355857	19.38	ng/ul	0.01
90) Benzo(a)pyrene-d12	24.53	264	414536	19.75	ng/ul	0.01

Target Compounds

						Ovalue
28) Naphthalene	11.61	128	68605	3.26	ng/ul#	53
34) 2-Methylnaphthalene	13.17	142	67789	4.63	ng/ul	99
35) 1-Methylnaphthalene	13.39	142	220403	15.49	ng/ul#	93
45) Dimethylphthalate	14.73	163	98217	6.84	ng/ul#	68
50) Acenaphthene	15.37	153	77632	5.91	ng/ul#	85
59) Fluorene	16.33	166	115836	7.93	ng/ul#	77
70) Phenanthrene	18.06	178	936472	45.45	ng/ul#	96
72) Anthracene	18.15	178	236490	11.28	ng/ul#	78
77) Fluoranthene	20.02	202	911043	42.83	ng/ul	99
80) Pyrene	20.37	202	1326692	53.09	ng/ul	97
83) Benzo(a)anthracene	22.08	228	451450	19.30	ng/ul	96
85) Chrysene	22.14	228	414532	18.79	ng/ul#	93
88) Benzo(b)fluoranthene	23.90	252	485467	19.69	ng/ul#	92
89) Benzo(k)fluoranthene	23.94	252	134708m	5.77	ng/ul	
91) Benzo(a)pyrene	24.58	252	348651	14.73	ng/ul#	92
92) Indeno(1,2,3-cd)pyrene	27.43	276	211064	7.64	ng/ul	94
93) Dibenzo(a,h)anthracene	27.41	278	70021m	3.00	ng/ul	
94) Benzo(g,h,i)perylene	28.29	276	202703	8.72	ng/ul	94

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

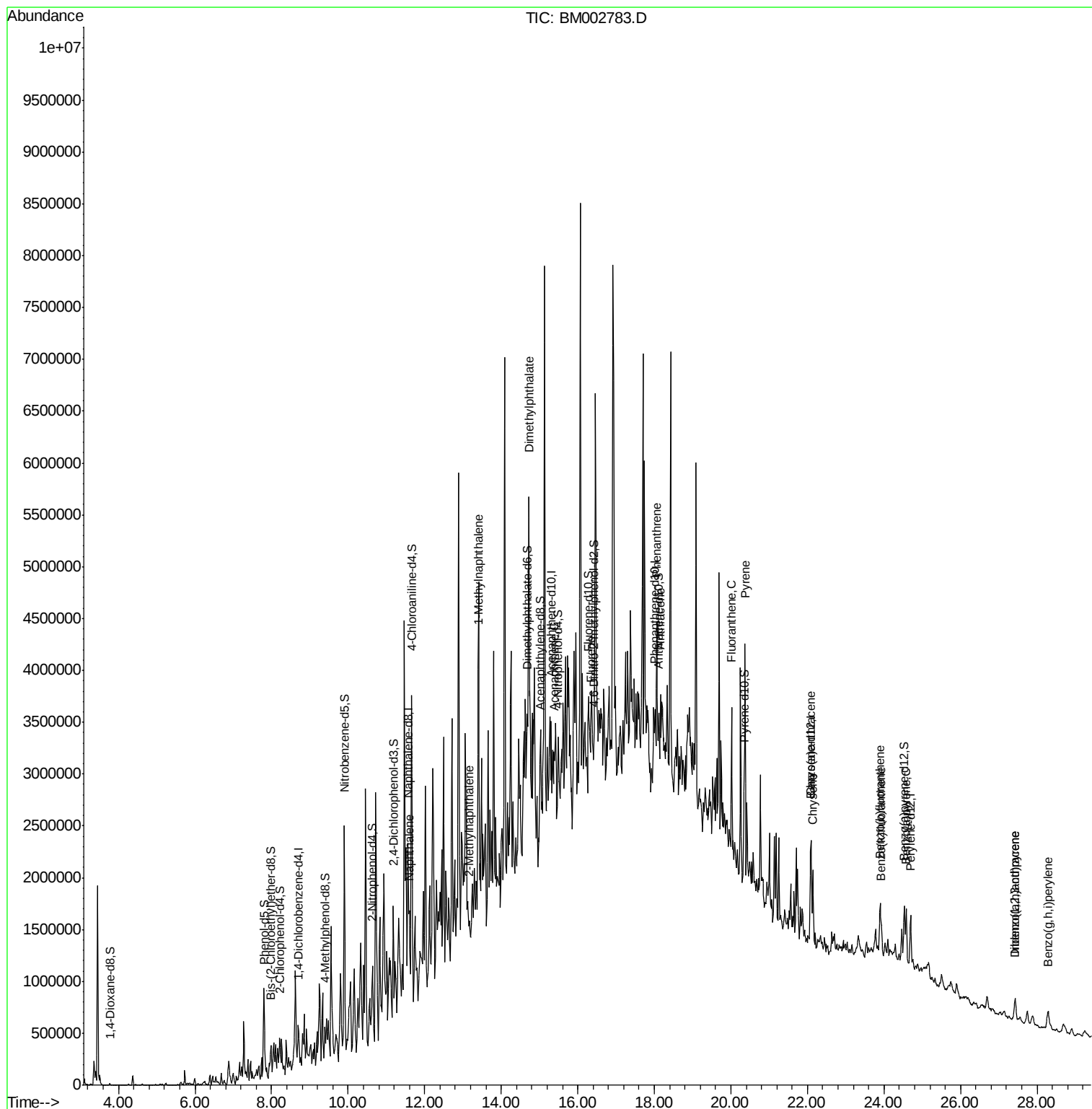
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002783.D
Acq On : 30 Sep 2015 13:52
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Sample : G3838-16
Misc :
ALS Vial : 29 Sample Multiplier: 1

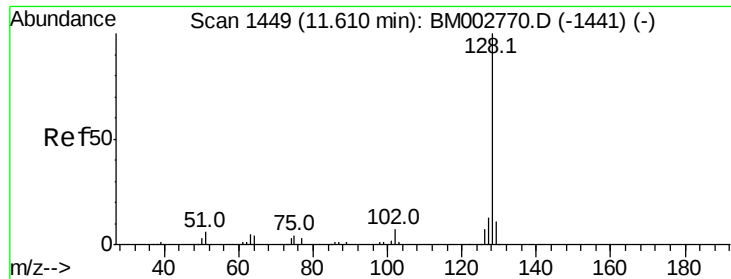
Instrument :
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ClientSampleId :
E5MX2

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Quant Title : SVOA CALIBRATION
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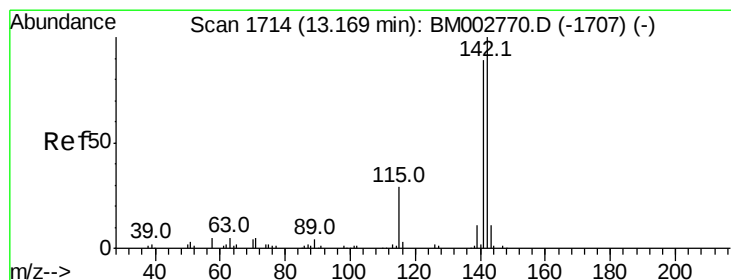
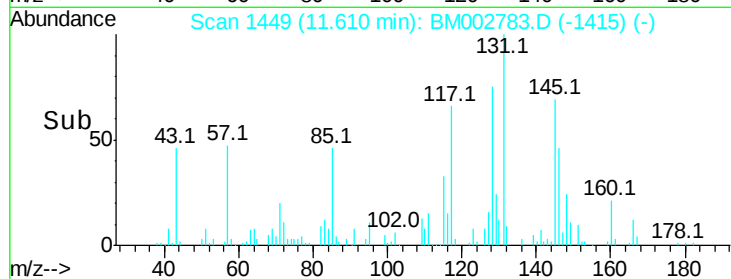
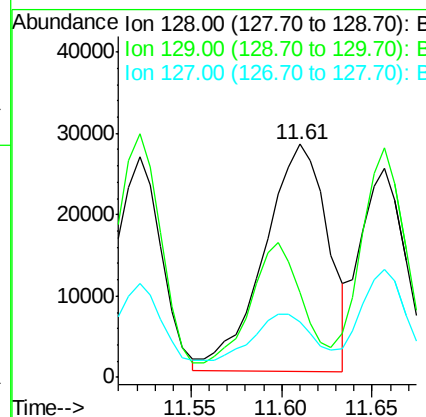
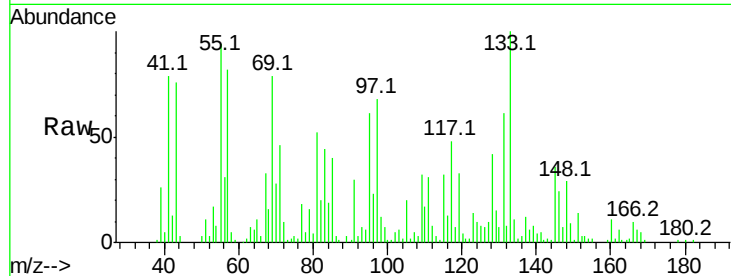
#28
Naphthalene
Concen: 3.26 ng/ul
RT: 11.61 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BM002783.D
Acq: 30 Sep 2015 13:52

Instrument :
BNA_M
ClientSampled :
E5MX2

Tot Ion	Ratio	Resp	Lower	Upper
128	100	68605		
129	36.5	8.7	13.1#	
127	24.0	9.9	14.9#	

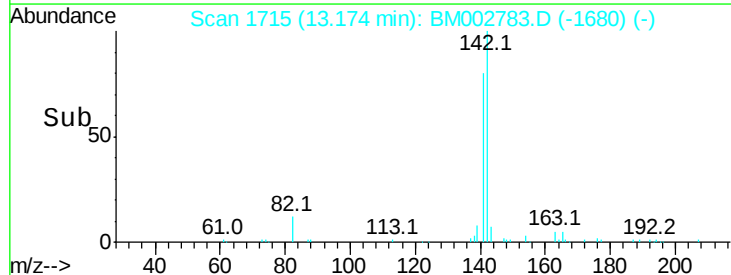
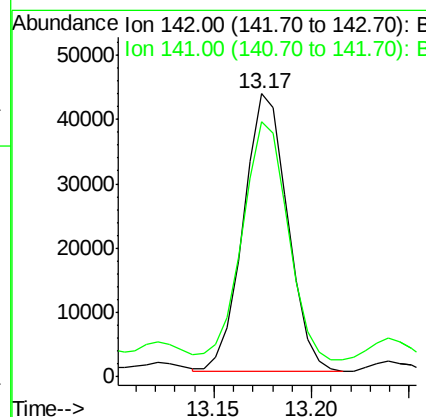
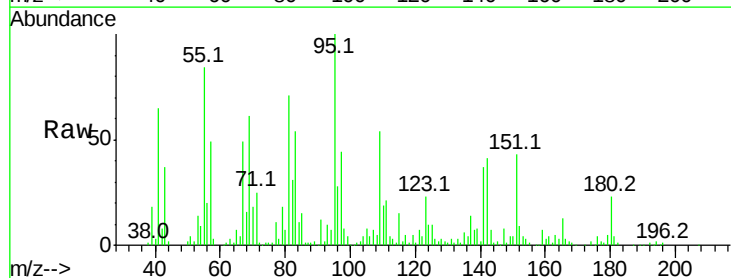
Manual Integrations
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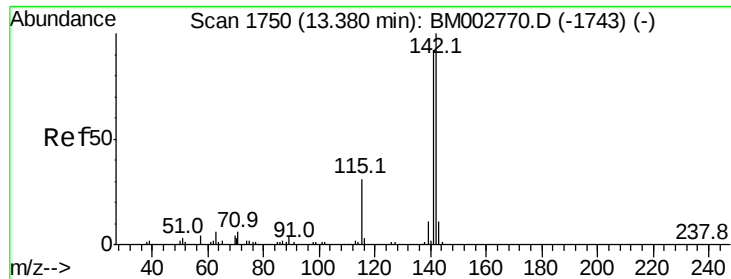
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#34
2-Methylnaphthalene
Concen: 4.63 ng/ul
RT: 13.17 min Scan# 1715
Delta R.T. 0.01 min
Lab File: BM002783.D
Acq: 30 Sep 2015 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	67789		
141	90.2	71.2	106.8	





#35

1-Methylnaphthalene

Concen: 15.49 ng/ul

RT: 13.39 min Scan# 1752

Delta R.T. 0.01 min

Lab File: BM002783.D

Acq: 30 Sep 2015 13:52

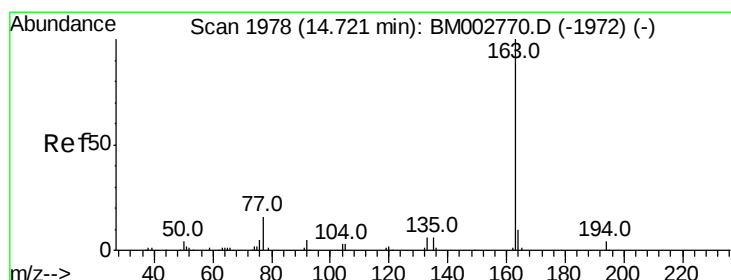
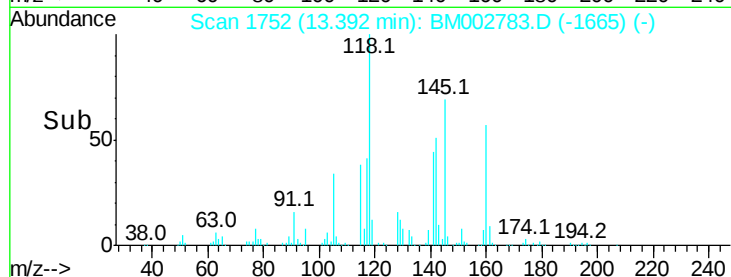
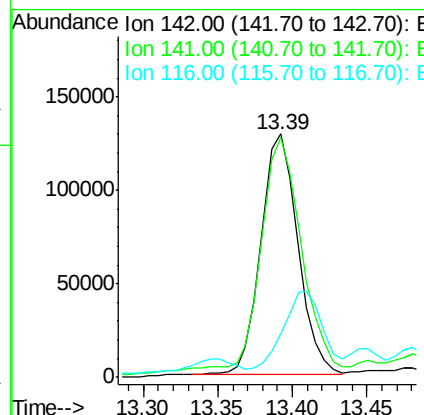
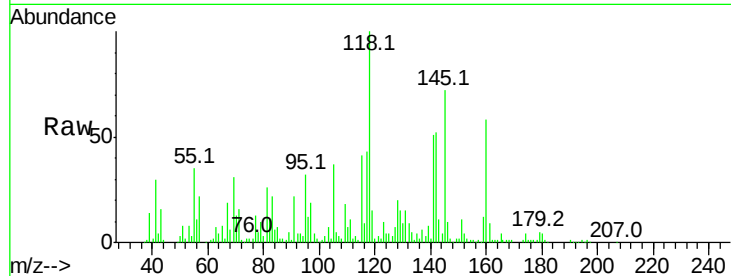
Instrument :
BNA_M

ClientSampleId :
E5MX2

Tot Ion	Ratio	Resp Lower	Upper
142	100		
141	98.5	74.4	111.6
116	17.8	2.6	4.0#

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#45

Dimethylphthalate

Concen: 6.84 ng/ul

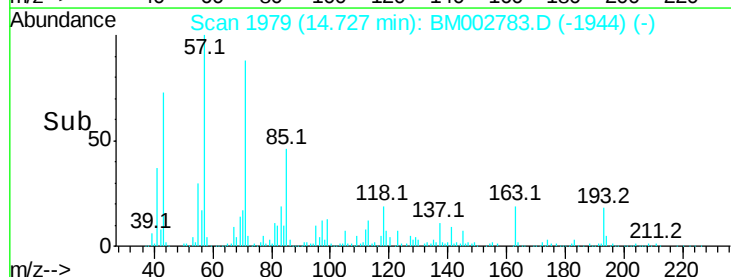
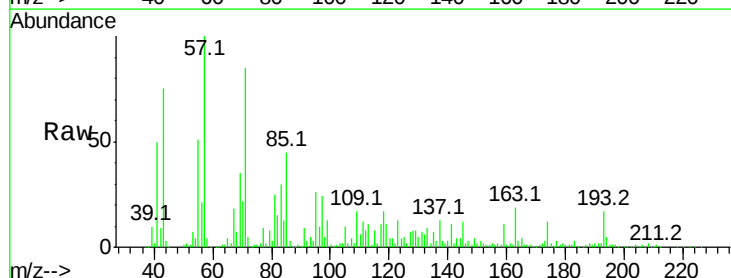
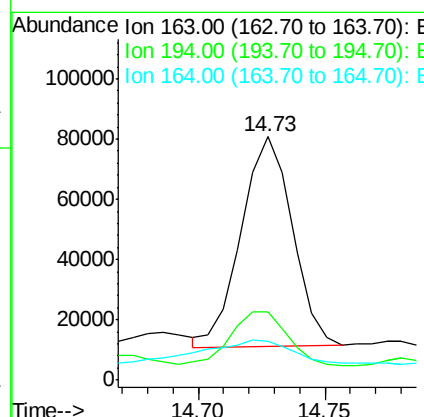
RT: 14.73 min Scan# 1979

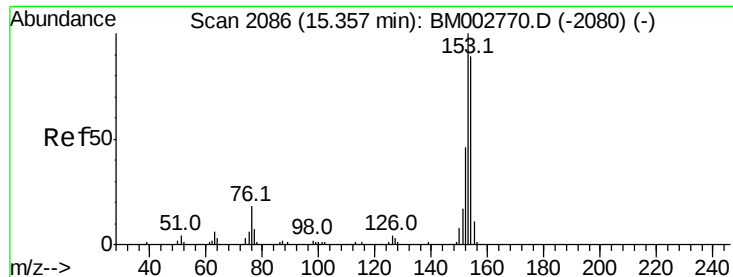
Delta R.T. 0.01 min

Lab File: BM002783.D

Acq: 30 Sep 2015 13:52

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	28.1	3.2	4.8#
164	16.1	8.1	12.1#





#50

Acenaphthene

Concen: 5.91 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. 0.01 min

Lab File: BM002783.D

Acq: 30 Sep 2015 13:52

Instrument :

BNA_M

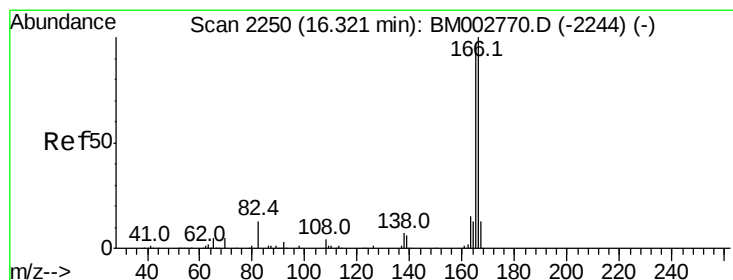
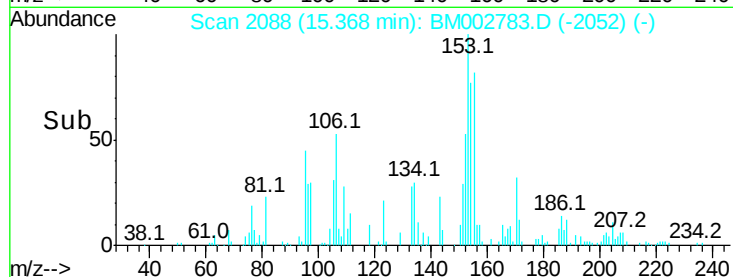
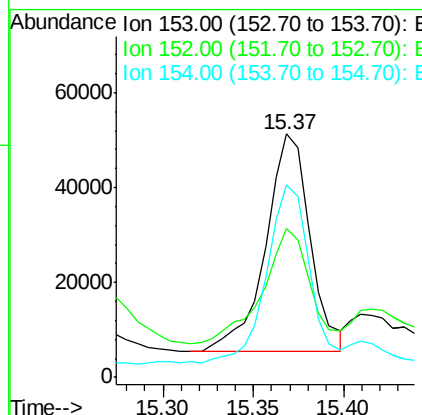
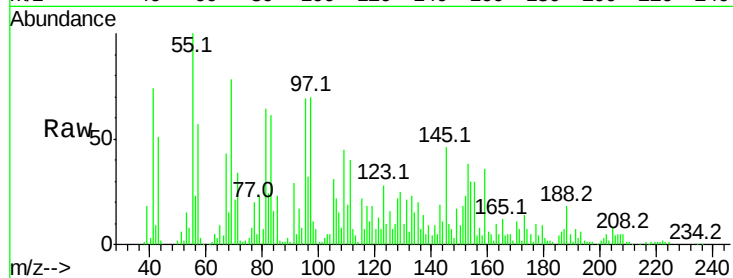
ClientSampled :

E5MX2

Tot Ion	Ratio	Lower	Upper
153	100		
152	61.0	37.2	55.8#
154	79.1	71.9	107.9

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#59

Fluorene

Concen: 7.93 ng/ul

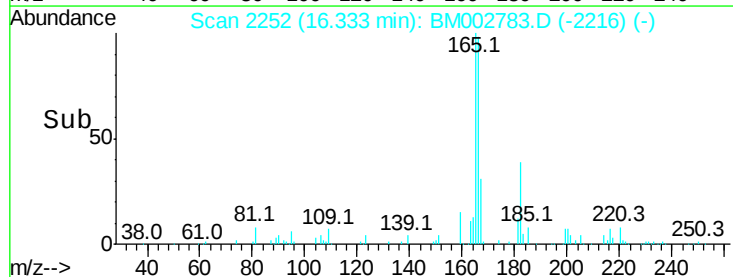
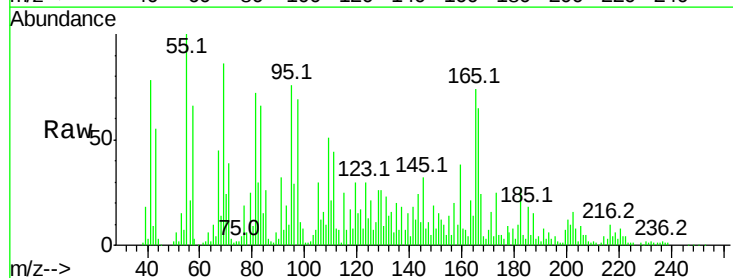
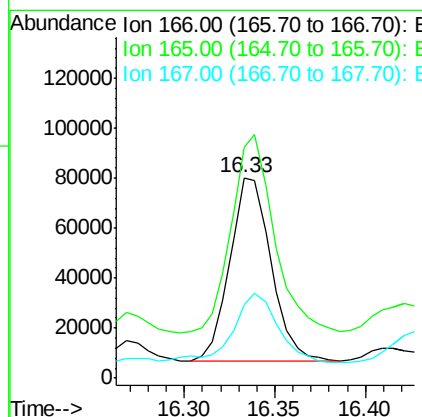
RT: 16.33 min Scan# 2252

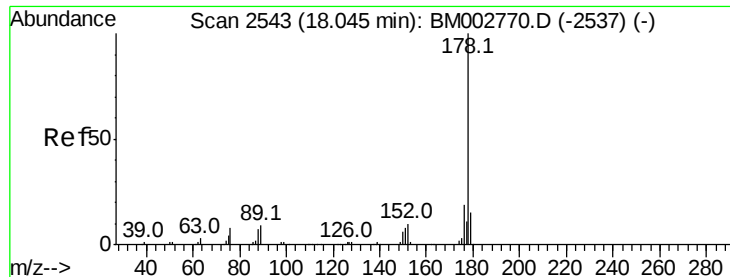
Delta R.T. 0.01 min

Lab File: BM002783.D

Acq: 30 Sep 2015 13:52

Tgt Ion	Ratio	Lower	Upper
166	100		
165	115.2	78.0	117.0
167	36.5	10.6	16.0#





#70

Phenanthrene

Concen: 45.45 ng/ul

RT: 18.06 min Scan# 2546

Delta R.T. 0.02 min

Lab File: BM002783.D

Acq: 30 Sep 2015 13:52

Instrument :

BNA_M

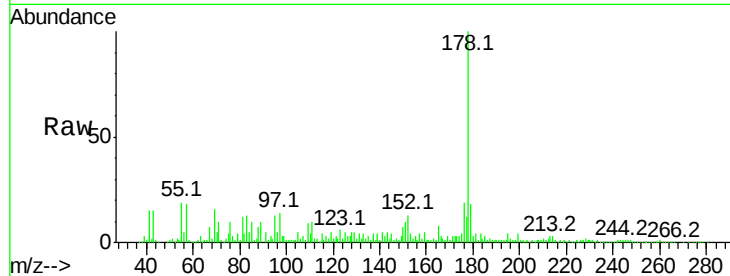
ClientSampleId :

E5MX2

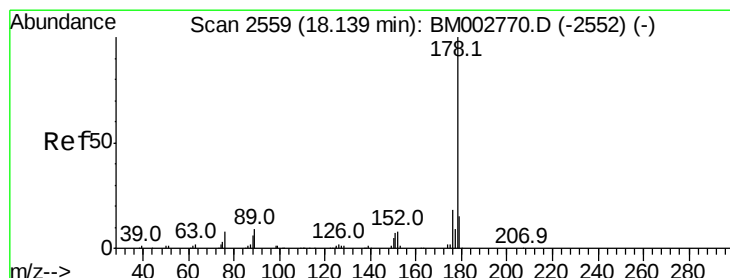
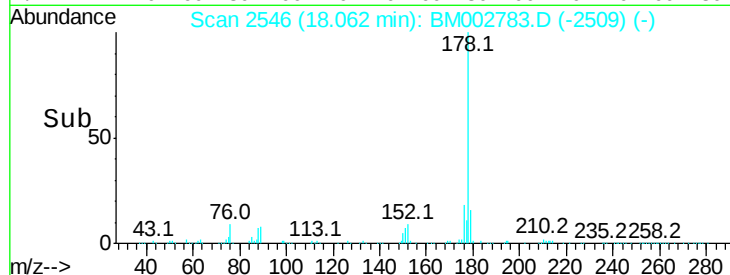
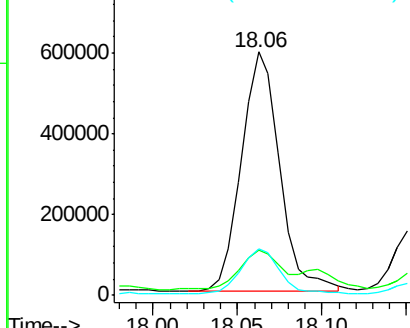
Tot Ion:178	Resp:	936472
Ion Ratio	Lower	Upper
178	100	
179	18.3	12.0 18.0#
176	18.9	14.6 22.0

Manual Integrations
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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: 11.28 ng/ul

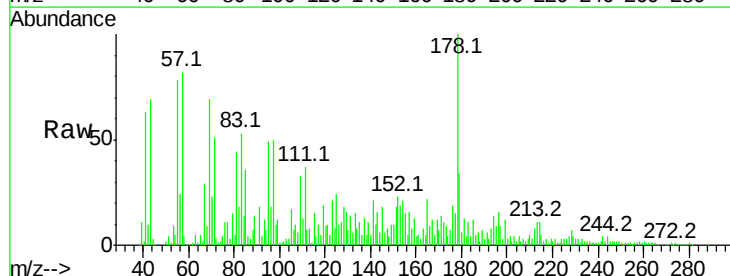
RT: 18.15 min Scan# 2561

Delta R.T. 0.01 min

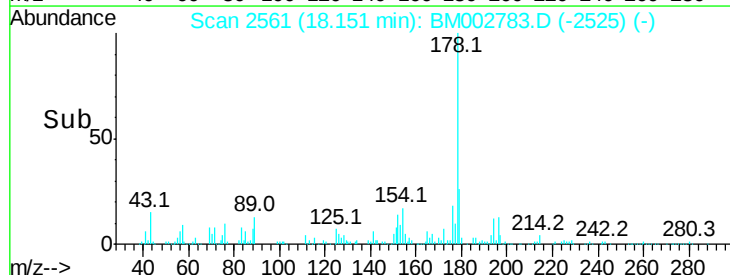
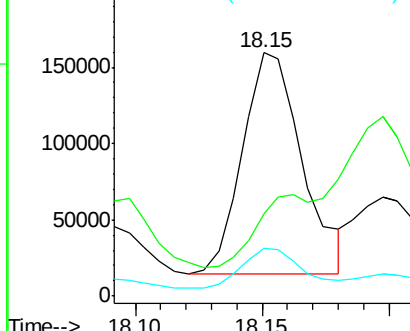
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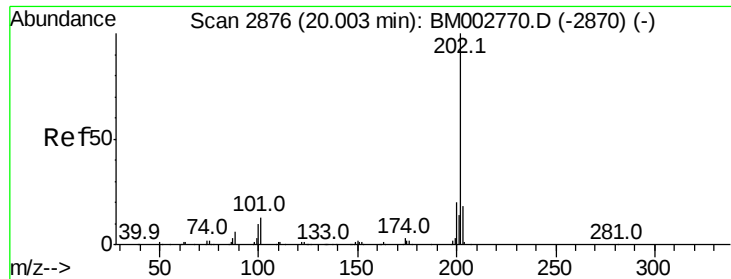
Acq: 30 Sep 2015 13:52

Tgt Ion:178	Resp:	236490
Ion Ratio	Lower	Upper
178	100	
179	33.9	11.9 17.9#
176	19.4	14.4 21.6



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





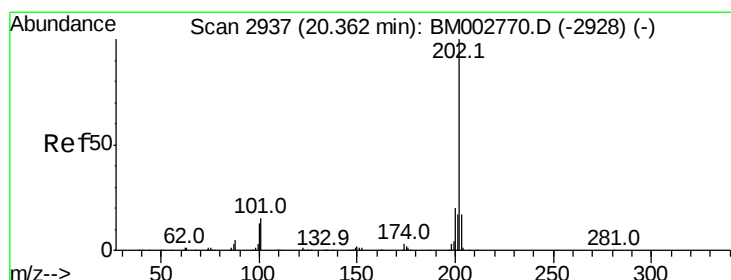
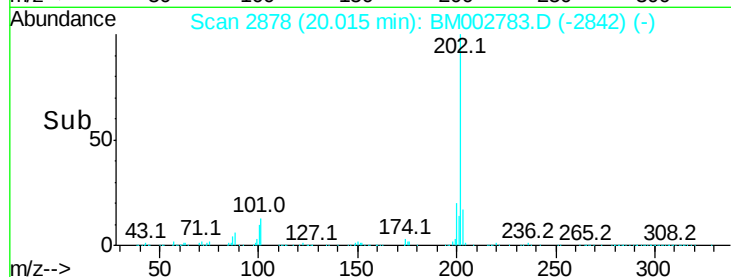
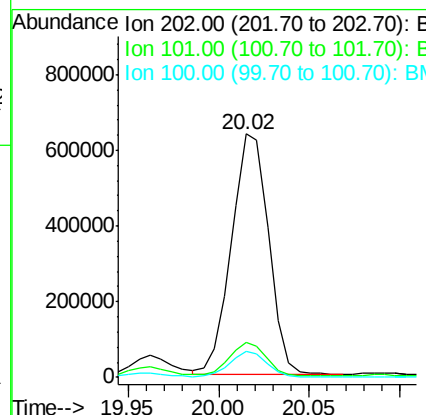
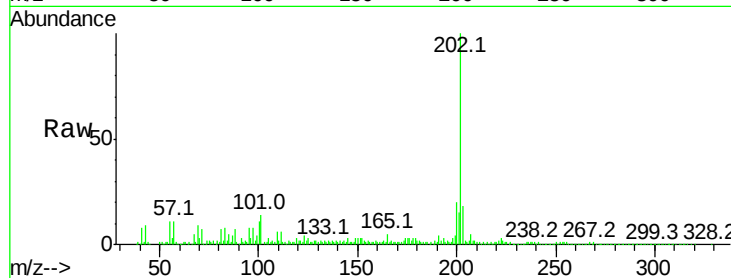
#77
Fluoranthene
 Concen: 42.83 ng/ul
 RT: 20.02 min Scan# 2878
 Delta R.T. 0.01 min
 Lab File: BM002783.D
 Acq: 30 Sep 2015 13:52

Instrument :
 BNA_M
 ClientSampleId :
 E5MX2

Tot Ion:	202	Resp:	911043
Ion Ratio	Lower	Upper	
202	100		
101	14.2	11.0	16.4
100	10.6	8.3	12.5

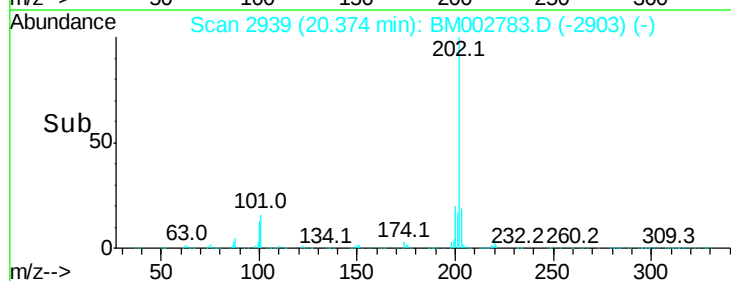
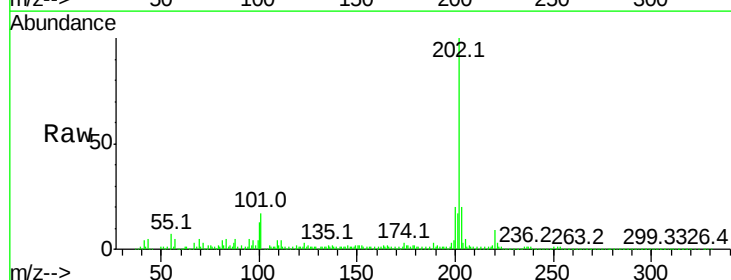
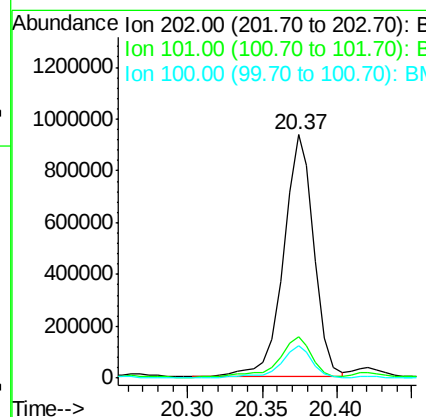
Manual Integrations
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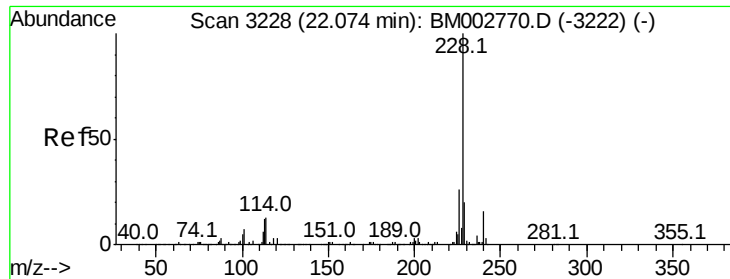
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#80
Pyrene
 Concen: 53.09 ng/ul
 RT: 20.37 min Scan# 2939
 Delta R.T. 0.01 min
 Lab File: BM002783.D
 Acq: 30 Sep 2015 13:52

Tgt Ion:	202	Resp:	1326692
Ion Ratio	Lower	Upper	
202	100		
101	17.0	12.1	18.1
100	13.3	10.2	15.4





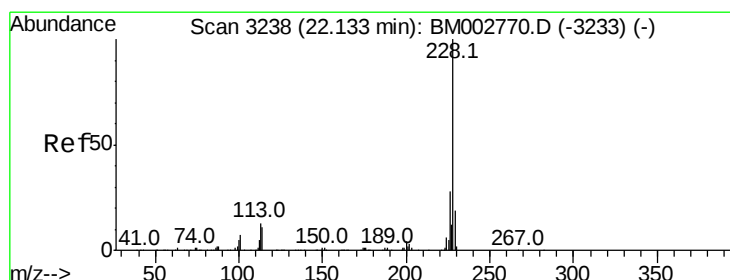
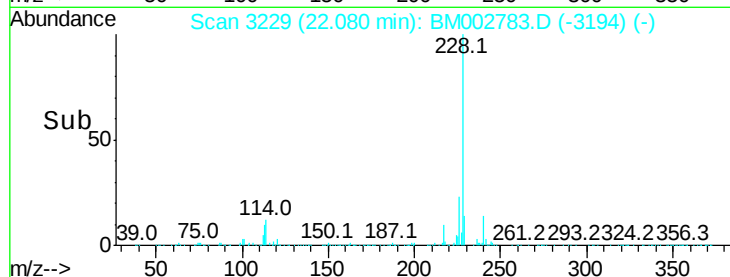
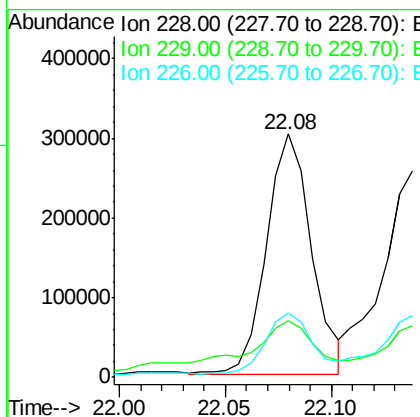
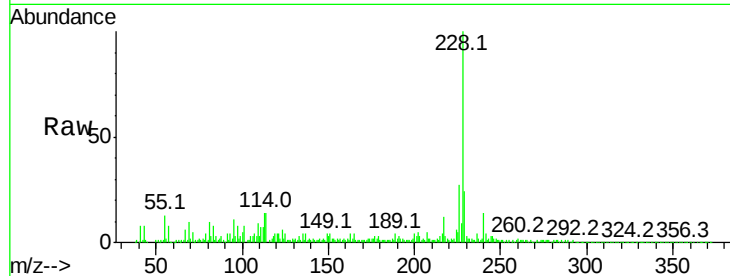
#83
Benzo(a)anthracene
Concen: 19.30 ng/ul
RT: 22.08 min Scan# 3229
Delta R.T. 0.01 min
Lab File: BM002783.D
Acq: 30 Sep 2015 13:52

Instrument :
BNA_M
ClientSampleId :
E5MX2

Tot Ion	Ratio	Resp	Lower	Upper
228	100	451450		
229	23.5	16.1	24.1	
226	26.6	20.9	31.3	

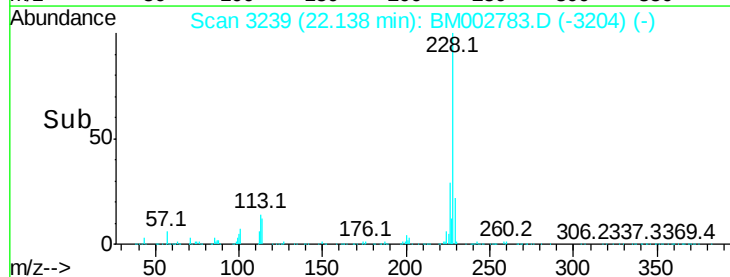
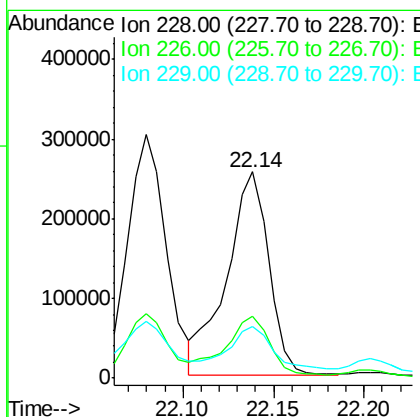
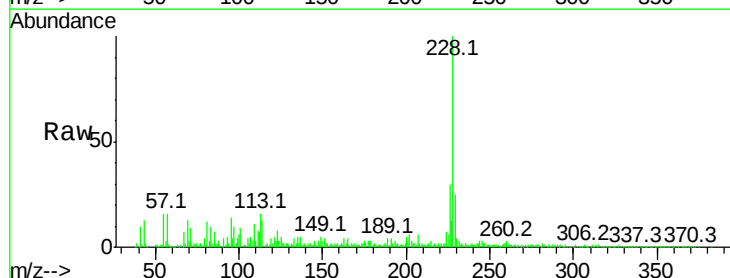
Manual Integrations
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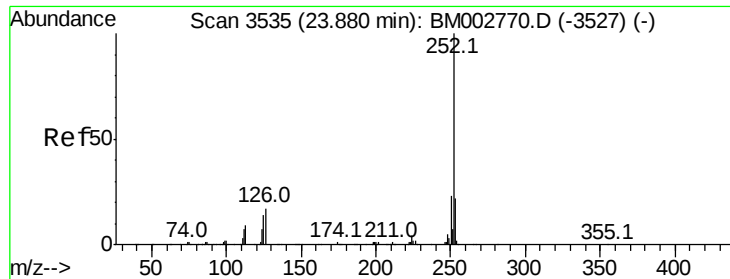
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#85
Chrysene
Concen: 18.79 ng/ul
RT: 22.14 min Scan# 3239
Delta R.T. 0.01 min
Lab File: BM002783.D
Acq: 30 Sep 2015 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	414532		
226	29.7	22.4	33.6	
229	25.2	15.4	23.2	





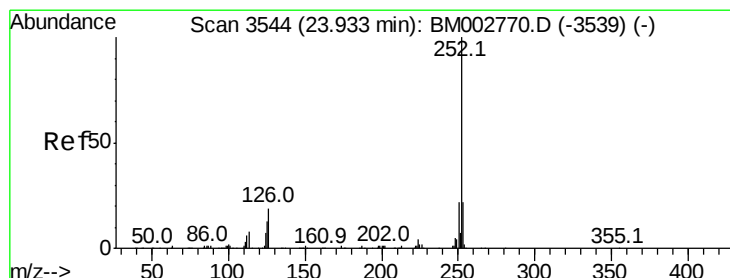
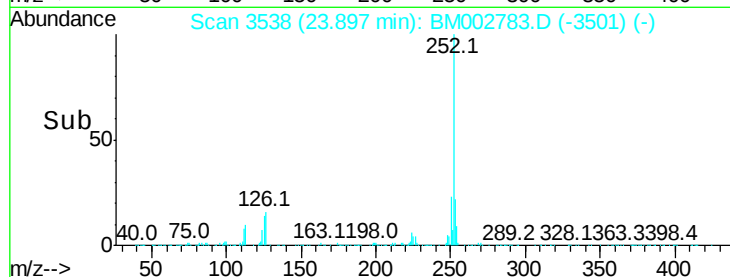
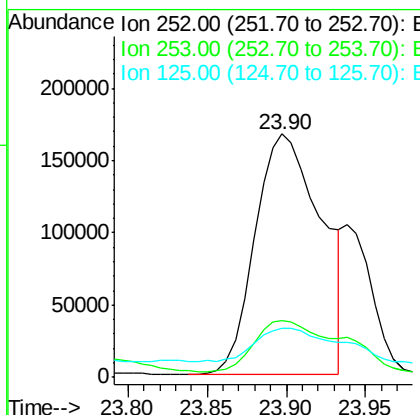
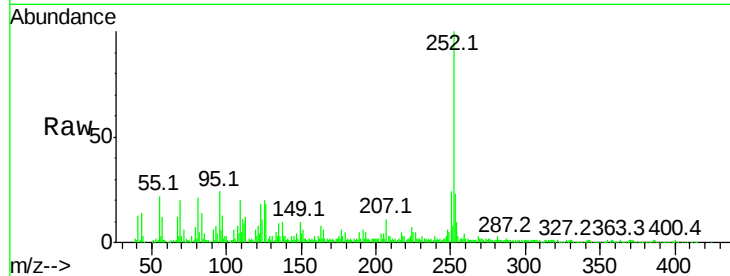
#88
Benzo(b)fluoranthene
Concen: 19.69 ng/ul
RT: 23.90 min Scan# 3538
Delta R.T. 0.02 min
Lab File: BM002783.D
Acq: 30 Sep 2015 13:52

Instrument :
BNA_M
ClientSampleId :
E5MX2

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.5	17.6	26.4
125	20.1	10.6	15.8

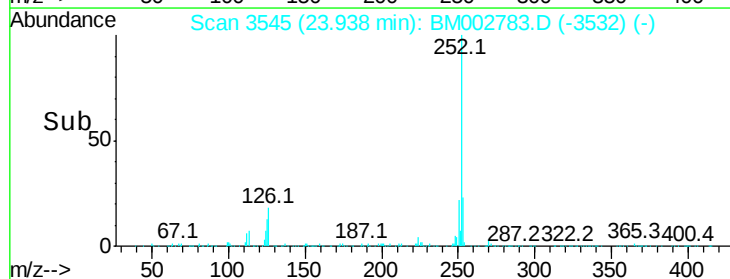
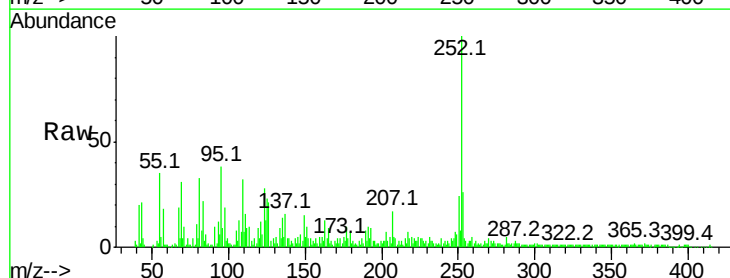
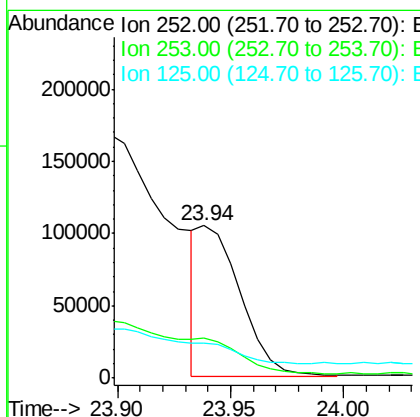
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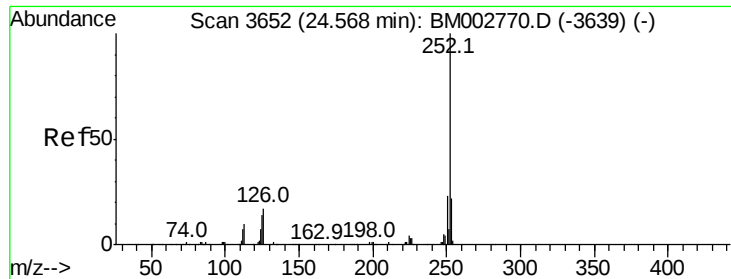
MMDadoda
9/30/2015 4:42:35 PM



#89
Benzo(k)fluoranthene
Concen: 5.77 ng/ul m
RT: 23.94 min Scan# 3545
Delta R.T. 0.01 min
Lab File: BM002783.D
Acq: 30 Sep 2015 13:52

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	26.1	17.3	25.9
125	23.0	10.0	15.0





#91

Benzo(a)pyrene

Concen: 14.73 ng/ul

RT: 24.58 min Scan# 3654

Delta R.T. 0.01 min

Lab File: BM002783.D

Acq: 30 Sep 2015 13:52

Instrument :

BNA_M

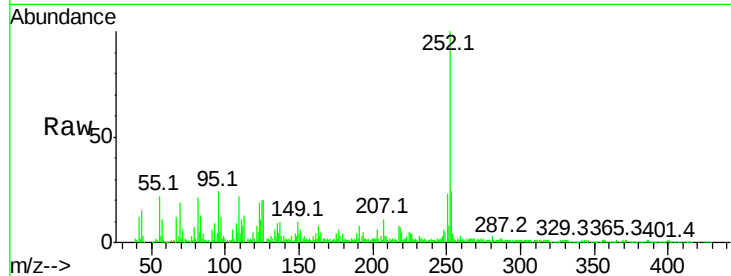
ClientSampleId :

E5MX2

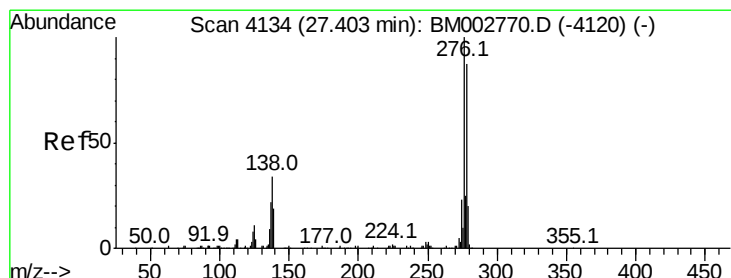
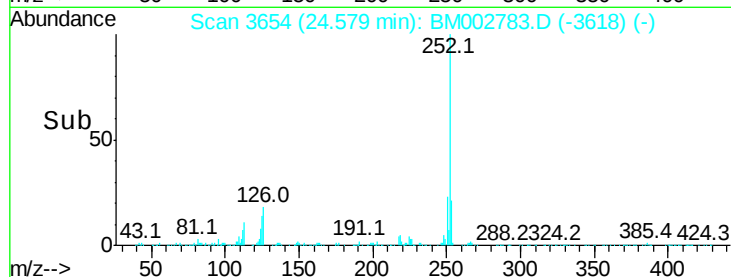
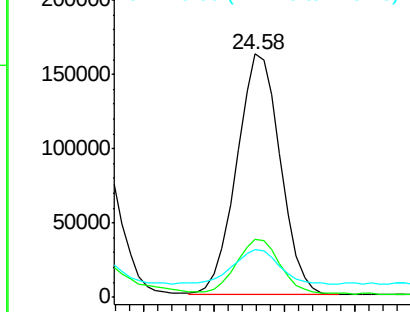
Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.7	17.4	26.0	
125	19.6	11.4	17.2	

Manual Integrations
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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: 7.64 ng/ul

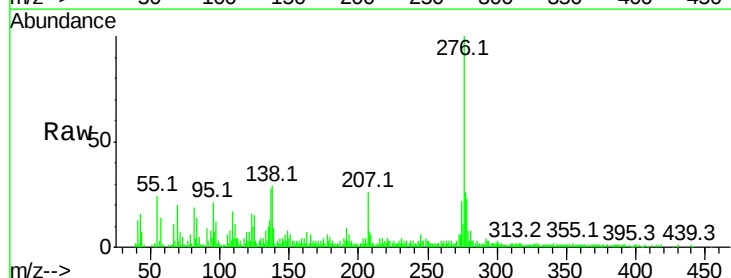
RT: 27.43 min Scan# 4138

Delta R.T. 0.02 min

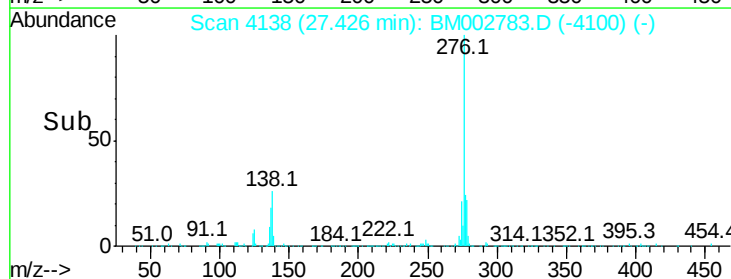
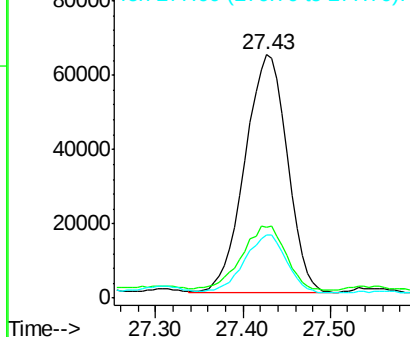
Lab File: BM002783.D

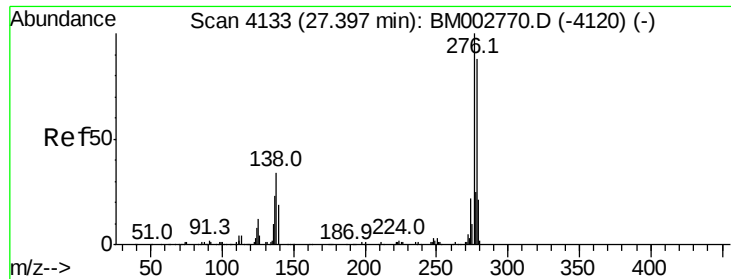
Acq: 30 Sep 2015 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	29.1	27.7	41.5	
277	26.0	20.2	30.4	



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





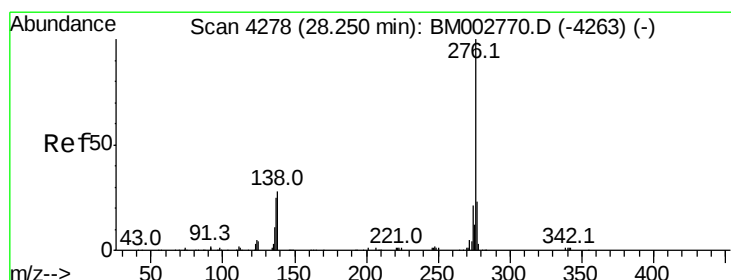
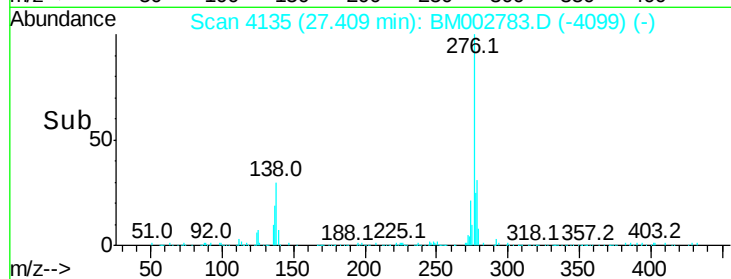
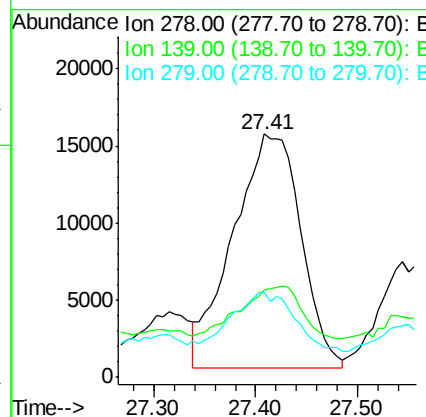
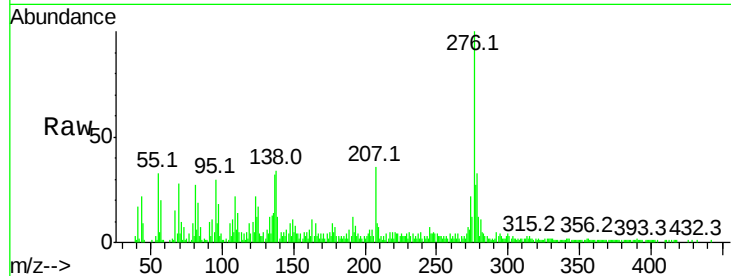
#93
Dibenzo(a,h)anthracene
Concen: 3.00 ng/ul m
RT: 27.41 min Scan# 4135
Delta R.T. 0.01 min
Lab File: BM002783.D
Acq: 30 Sep 2015 13:52

Instrument :
BNA_M
ClientSampleId :
E5MX2

Tot Ion	Ratio	Lower	Upper
278	100		
139	36.0	17.0	25.6#
279	35.1	19.0	28.6#

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#94
Benzo(g,h,i)perylene
Concen: 8.72 ng/ul
RT: 28.29 min Scan# 4284
Delta R.T. 0.04 min
Lab File: BM002783.D
Acq: 30 Sep 2015 13:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.1	21.8	32.8
277	26.0	18.9	28.3

