

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
 Data File : BM002771.D
 Acq On : 30 Sep 2015 06:34
 Operator : UM/IZ
 Sample : G3838-13MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E5MX0MS

Manual Integrations
 APPROVED

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 9/30/2015 4:39:35 PM

Quant Time: Sep 30 07:27:14 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	85753	20.00	ng/ul	0.00
18) Naphthalene-d8	11.56	136	383176	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.29	164	192266	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.00	188	385723	20.00	ng/ul	0.00
78) Chrysene-d12	22.09	240	395902	20.00	ng/ul	0.00
86) Perylene-d12	24.68	264	394725	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.77	96	8675	4.70	ng/uL	0.00
5) Phenol-d5	7.82	99	164802	25.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.99	67	104025	28.46	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	162062	26.80	ng/ul	0.00
13) 4-Methylphenol-d8	9.40	113	127317	23.77	ng/ul	0.00
19) Nitrobenzene-d5	9.89	128	80338	27.49	ng/ul	0.00
22) 2-Nitrophenol-d4	10.62	143	85072	27.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.16	165	138511	25.70	ng/ul	0.00
29) 4-Chloroaniline-d4	11.68	131	176272	27.17	ng/ul	0.00
44) Dimethylphthalate-d6	14.67	166	412496	28.52	ng/ul	0.00
47) Acenaphthylene-d8	15.00	160	544824	28.22	ng/ul	0.00
52) 4-Nitrophenol-d4	15.46	143	59304	23.09	ng/ul	0.00
58) Fluorene-d10	16.27	176	358704	27.53	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.39	200	39297	20.89	ng/ul	0.00
71) Anthracene-d10	18.10	188	517142	28.09	ng/ul	0.00
79) Pyrene-d10	20.33	212	520201	28.15	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.51	264	573811	28.42	ng/ul	0.00

Target Compounds

					Ovalue
4) Benzaldehyde	7.82	77	5684	1.56 ng/ul	98
6) Phenol	7.84	94	173594	25.85 ng/ul	100
10) 2-Chlorophenol	8.25	128	154924	25.24 ng/ul	99
15) N-Nitroso-di-n-propylamine	9.50	70	98280	25.93 ng/ul	99
33) 4-Chloro-3-methylphenol	12.77	107	143364	26.38 ng/ul	99
45) Dimethylphthalate	14.72	163	164155	11.16 ng/ul	100
50) Acenaphthene	15.36	153	341261	25.38 ng/ul	99
53) 4-Nitrophenol	15.47	109	39947	27.46 ng/ul	97
55) 2,4-Dinitrotoluene	15.64	165	108801	25.60 ng/ul	99
67) Hexachlorobenzene	17.32	284	13504	2.96 ng/ul	99
69) Pentachlorophenol	17.65	266	47630	27.32 ng/ul	97
70) Phenanthrene	18.04	178	103094	4.62 ng/ul	99
72) Anthracene	18.14	178	23258	1.02 ng/ul	98
77) Fluoranthene	20.00	202	245300	10.65 ng/ul	99
80) Pyrene	20.36	202	849719	33.79 ng/ul	98
83) Benzo(a)anthracene	22.07	228	115651	4.91 ng/ul	99
85) Chrysene	22.13	228	128614	5.79 ng/ul	97
88) Benzo(b)fluoranthene	23.89	252	171256	7.22 ng/ul	98
89) Benzo(k)fluoranthene	23.93	252	60849m	2.71 ng/ul	
91) Benzo(a)pyrene	24.57	252	116927	5.13 ng/ul	97
92) Indeno(1,2,3-cd)pyrene	27.40	276	86455	3.25 ng/ul	93
94) Benzo(a,h,i)perylene	28.25	276	88977	3.98 ng/ul	98

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Manual Integrations
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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

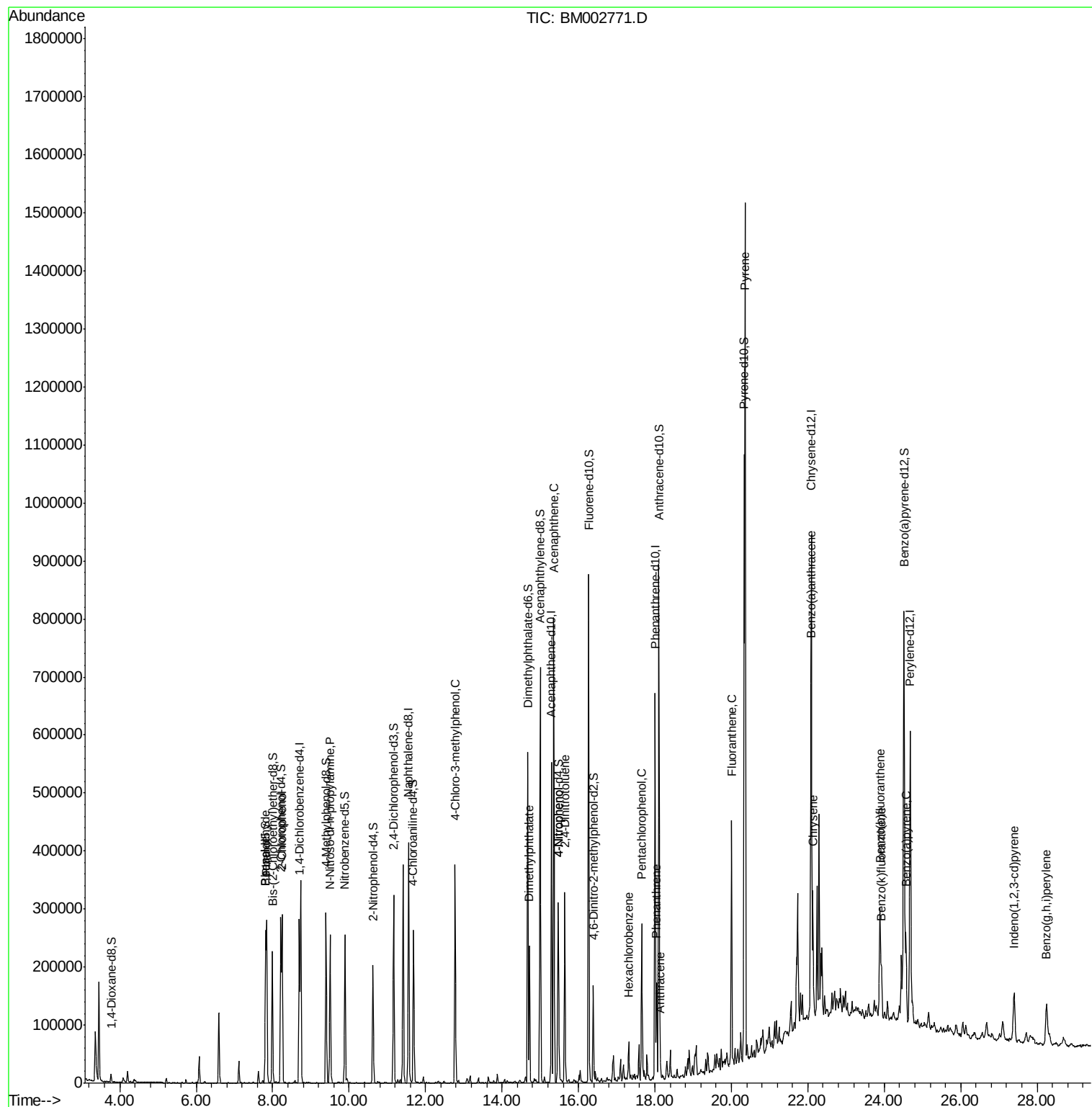
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
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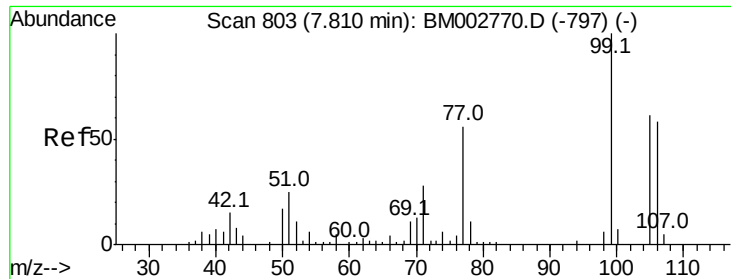
Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.56 ng/ul

RT: 7.82 min Scan# 804

Delta R.T. 0.01 min

Lab File: BM002771.D

Acq: 30 Sep 2015 06:34

Instrument :

BNA_M

ClientSampleId :

E5MX0MS

Tot Ion: 77 Resp: 5684

Ion Ratio Lower Upper

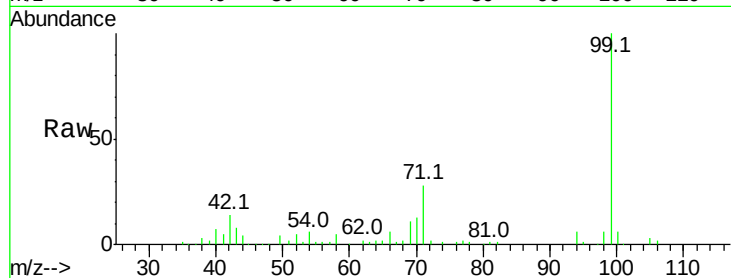
77 100

105 108.2 86.2 129.2

106 100.2 82.5 123.7

Manual Integrations
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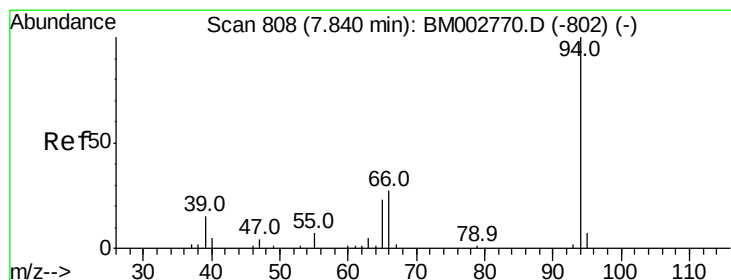
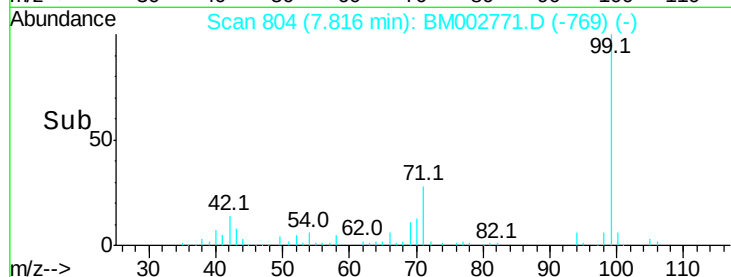
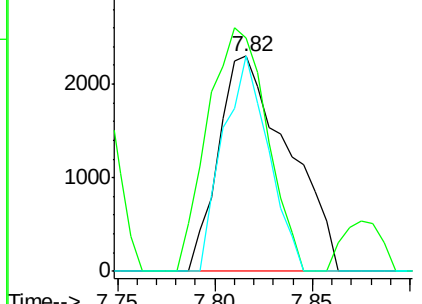
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Abundance Ion 77.00 (76.70 to 77.70): BM002771.D (-797) (-)

Ion 105.00 (104.70 to 105.70): BM002771.D (-797) (-)

Ion 106.00 (105.70 to 106.70): BM002771.D (-797) (-)



#6

Phenol

Concen: 25.85 ng/ul

RT: 7.84 min Scan# 808

Delta R.T. 0.00 min

Lab File: BM002771.D

Acq: 30 Sep 2015 06:34

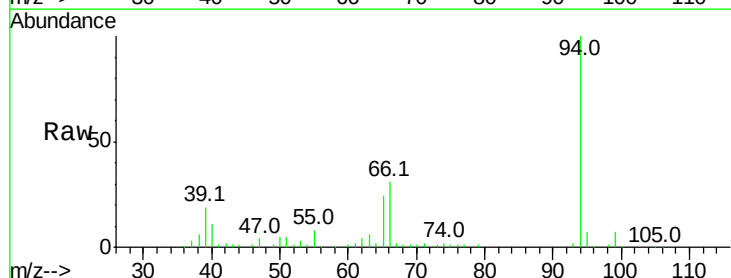
Tgt Ion: 94 Resp: 173594

Ion Ratio Lower Upper

94 100

65 24.0 19.4 29.2

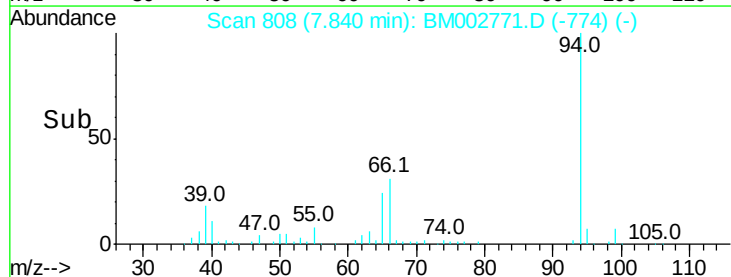
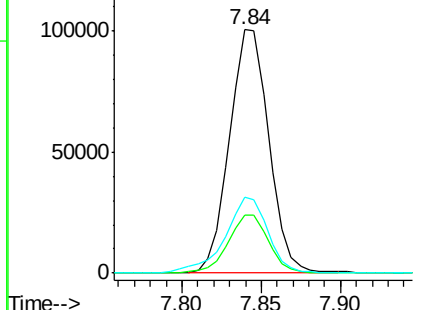
66 31.3 25.2 37.8

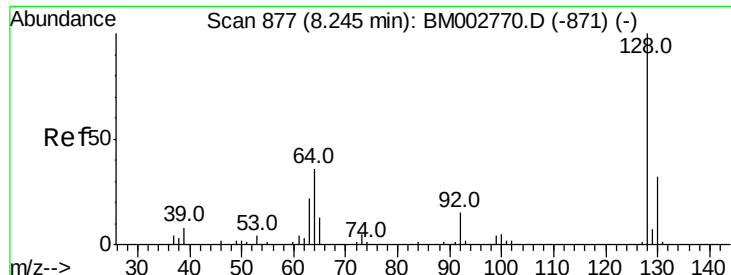


Abundance Ion 94.00 (93.70 to 94.70): BM002771.D (-774) (-)

Ion 65.00 (64.70 to 65.70): BM002771.D (-774) (-)

Ion 66.00 (65.70 to 66.70): BM002771.D (-774) (-)





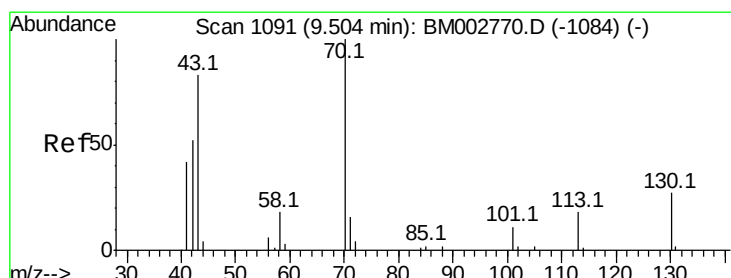
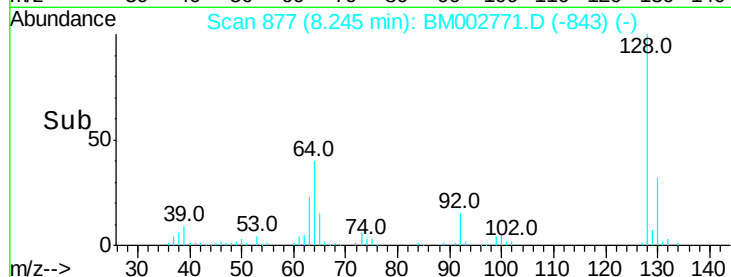
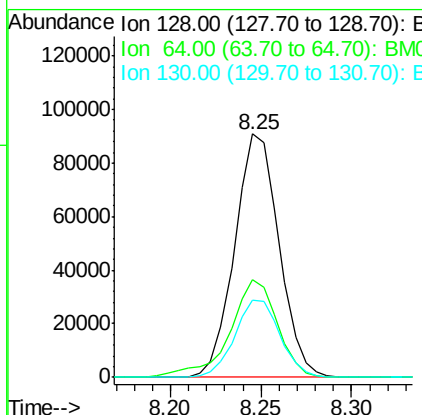
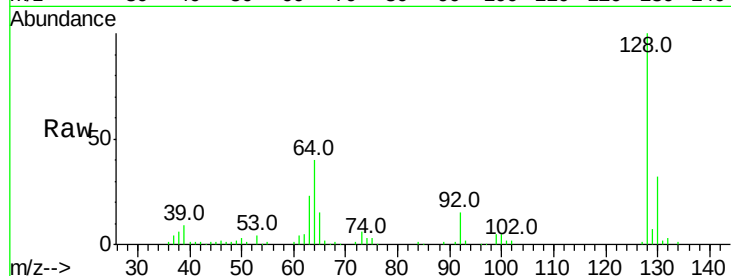
#10
2-Chlorophenol
Concen: 25.24 ng/ul
RT: 8.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: BM002771.D
Acq: 30 Sep 2015 06:34

Instrument :
BNA_M
ClientSampleId :
E5MX0MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	154924		
64	39.9		32.1	48.1
130	31.6		25.8	38.6

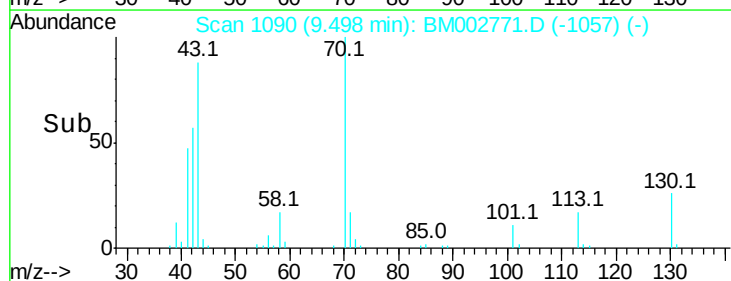
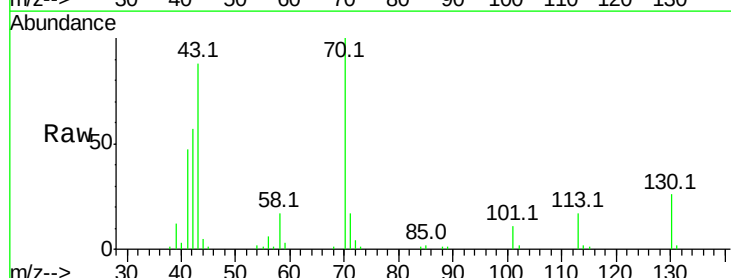
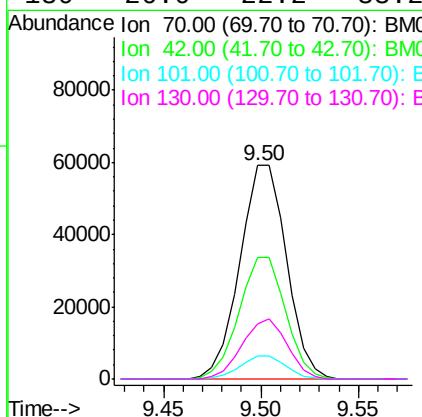
Manual Integrations
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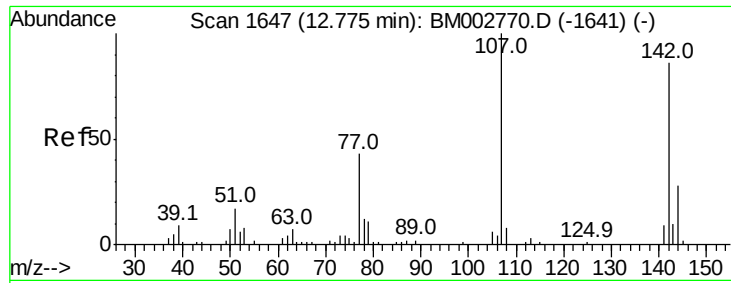
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#15
N-Nitroso-di-n-propylamine
Concen: 25.93 ng/ul
RT: 9.50 min Scan# 1090
Delta R.T. -0.01 min
Lab File: BM002771.D
Acq: 30 Sep 2015 06:34

Tgt Ion	Ratio	Resp	Lower	Upper
70	100	98280		
42	57.0		45.2	67.8
101	10.8		9.1	13.7
130	26.0		22.2	33.2





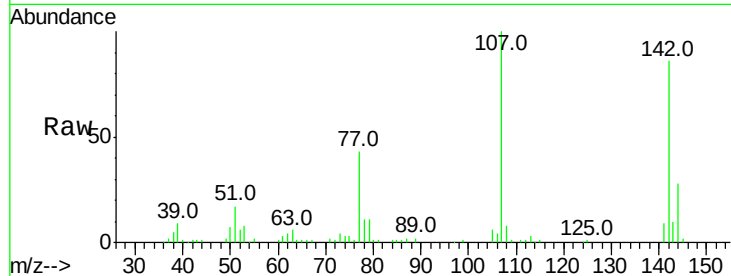
#33
 4-Chloro-3-methylphenol
 Concen: 26.38 ng/ul
 RT: 12.77 min Scan# 1647
 Delta R.T. 0.00 min
 Lab File: BM002771.D
 Acq: 30 Sep 2015 06:34

Instrument :
 BNA_M
 ClientSampleId :
 E5MX0MS

Tot Ion	Ratio	Lower	Upper
107	100		
144	27.9	21.9	32.9
142	86.5	69.8	104.8

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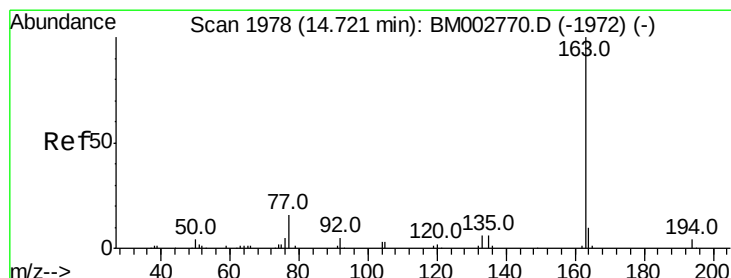
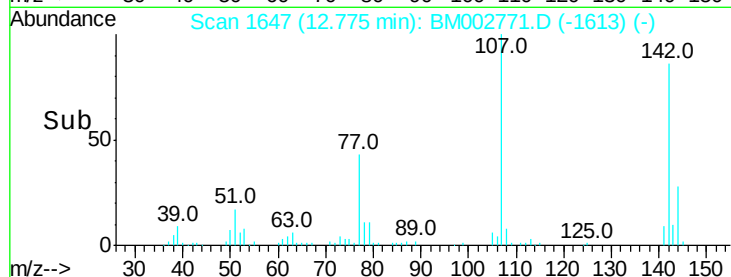
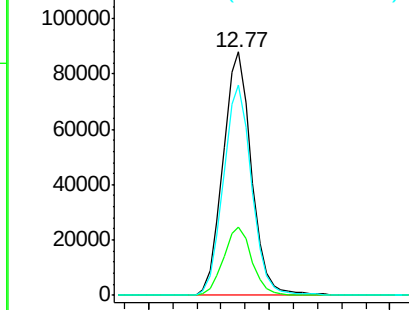


Abundance

Ion 107.00 (106.70 to 107.70): E

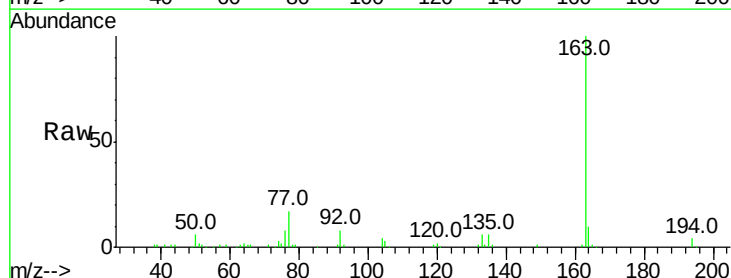
Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#45
 Dimethylphthalate
 Concen: 11.16 ng/ul
 RT: 14.72 min Scan# 1977
 Delta R.T. -0.01 min
 Lab File: BM002771.D
 Acq: 30 Sep 2015 06:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.2	8.1	12.1

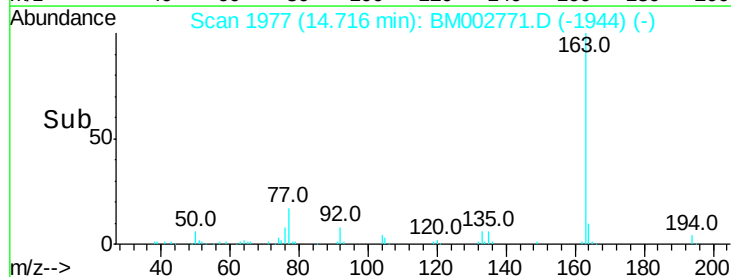
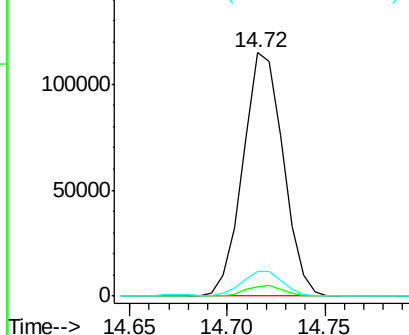


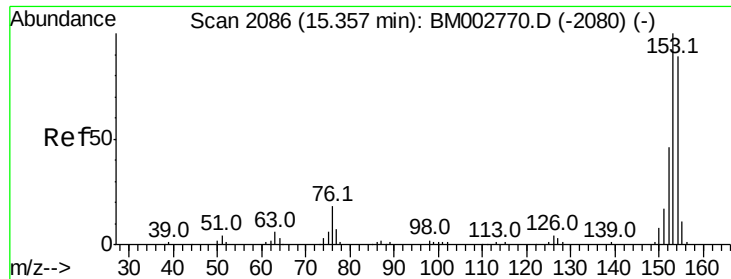
Abundance

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





#50

Acenaphthene

Concen: 25.38 ng/ul

RT: 15.36 min Scan# 2086

Delta R.T. 0.00 min

Lab File: BM002771.D

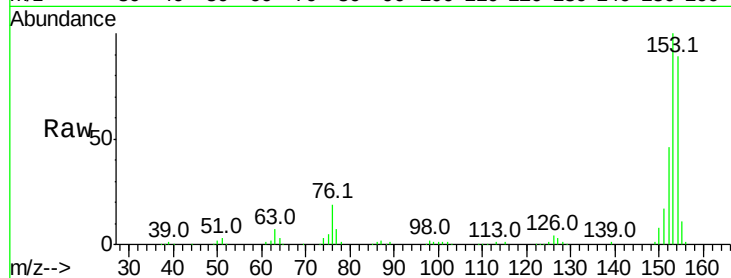
Acq: 30 Sep 2015 06:34

Instrument :

BNA_M

ClientSampleId :

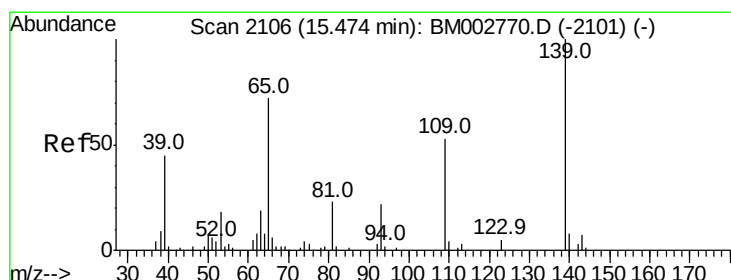
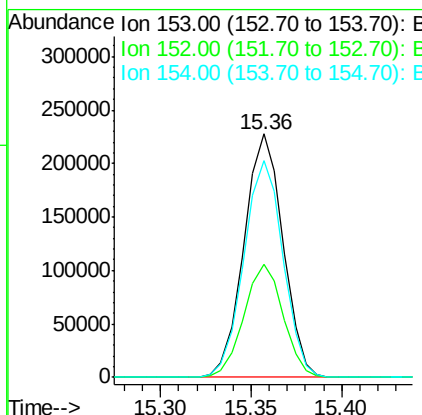
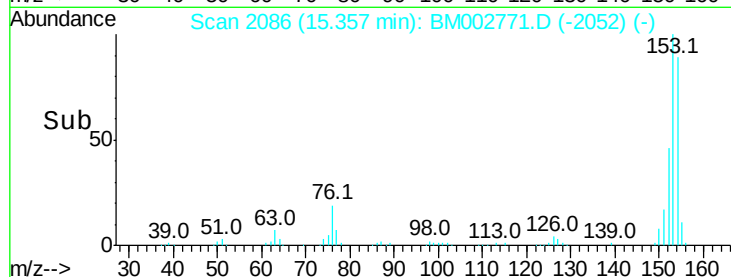
E5MX0MS



Tot Ion	153	Resp	341261
Ion Ratio	Lower	Upper	
153	100		
152	46.2	37.2	55.8
154	88.8	71.9	107.9

Manual Integrations
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#53

4-Nitrophenol

Concen: 27.46 ng/ul

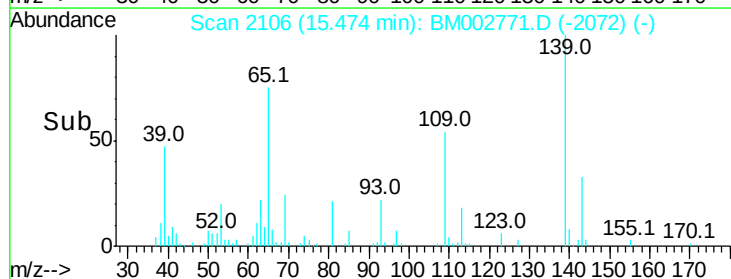
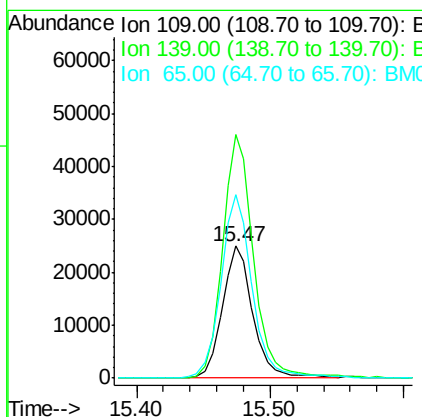
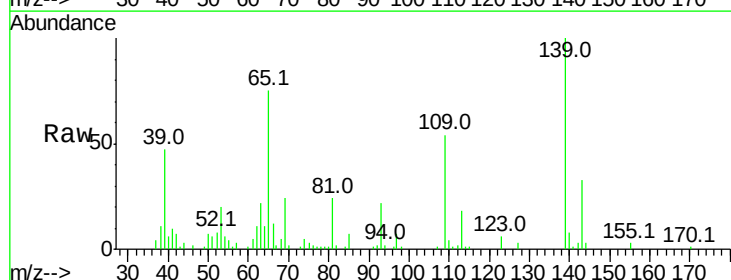
RT: 15.47 min Scan# 2106

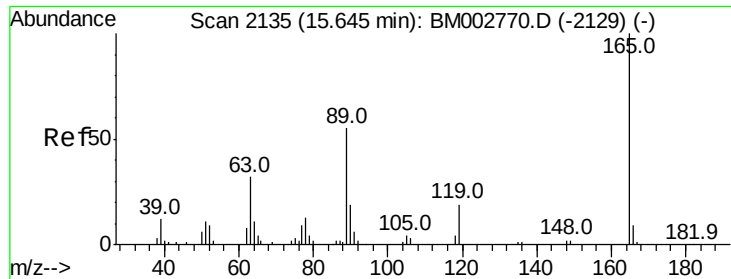
Delta R.T. 0.00 min

Lab File: BM002771.D

Acq: 30 Sep 2015 06:34

Tgt Ion	109	Resp	39947
Ion Ratio	Lower	Upper	
109	100		
139	184.6	143.4	215.2
65	139.3	110.3	165.5





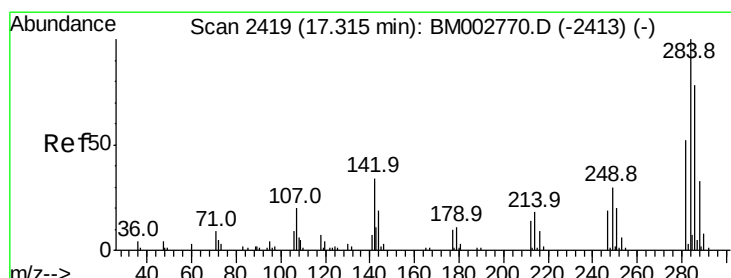
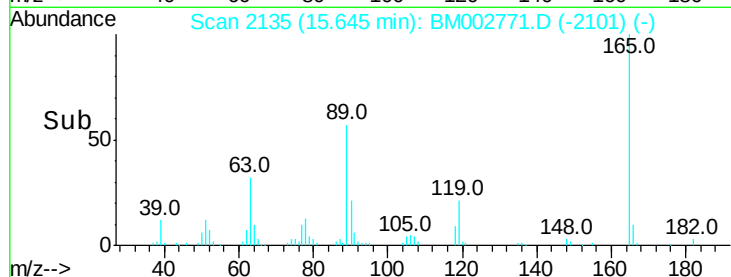
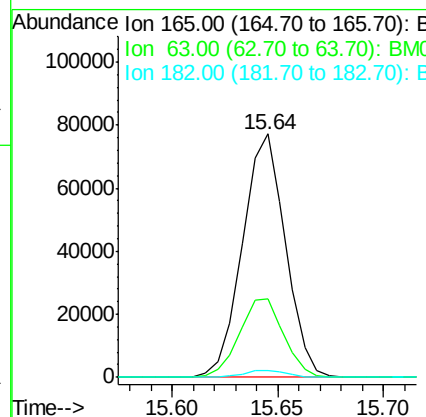
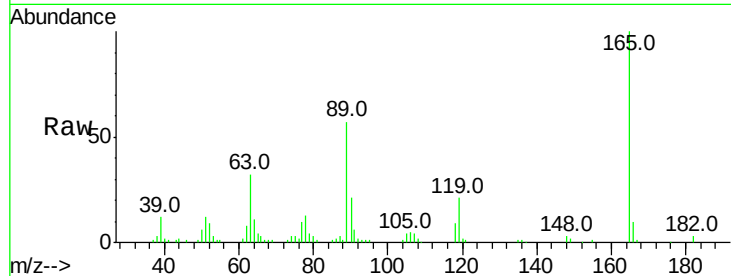
#55
 2,4-Dinitrotoluene
 Concen: 25.60 ng/ul
 RT: 15.64 min Scan# 2135
 Delta R.T. 0.00 min
 Lab File: BM002771.D
 Acq: 30 Sep 2015 06:34

Instrument :
 BNA_M
 ClientSampled :
 E5MX0MS

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	32.1	25.4	38.2
182	2.8	2.6	3.8

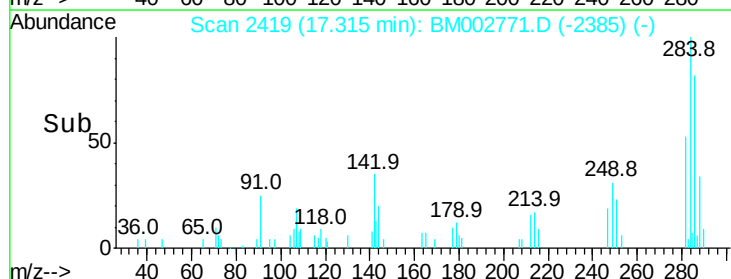
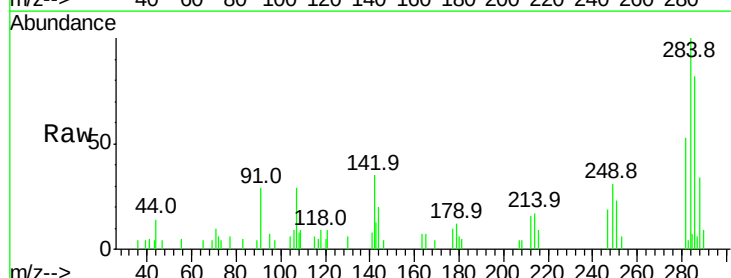
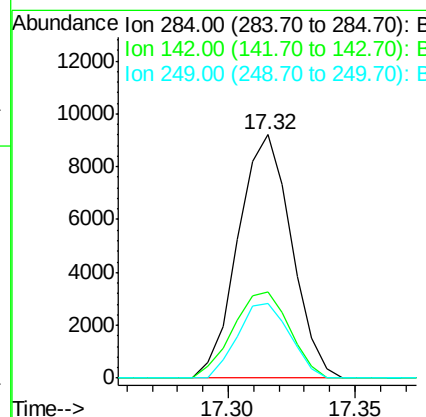
Manual Integrations
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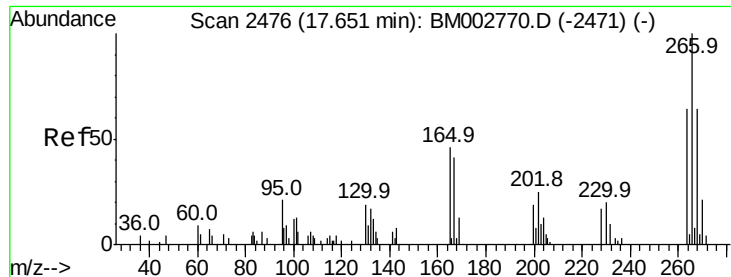
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#67
 Hexachlorobenzene
 Concen: 2.96 ng/ul
 RT: 17.32 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: BM002771.D
 Acq: 30 Sep 2015 06:34

Tgt Ion	Ratio	Resp Lower	Upper
284	100		
142	35.5	27.5	41.3
249	30.8	24.2	36.2





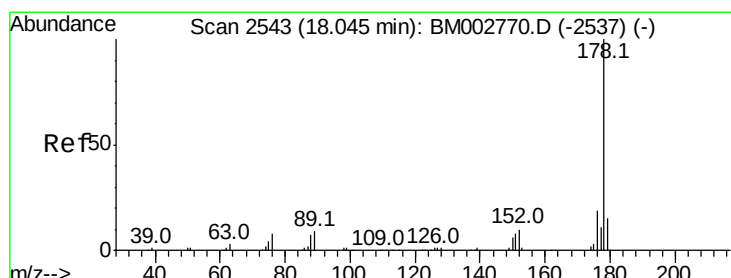
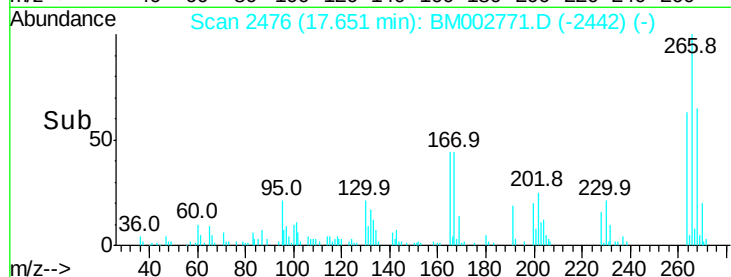
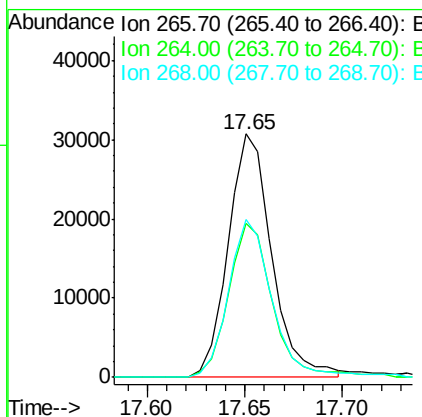
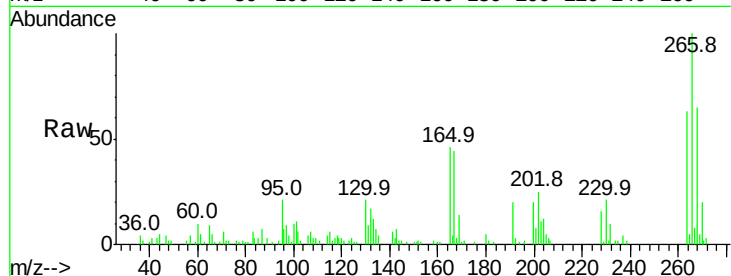
#69
 Pentachlorophenol
 Concen: 27.32 na/ul
 RT: 17.65 min Scan# 2476
 Delta R.T. 0.00 min
 Lab File: BM002771.D
 Acq: 30 Sep 2015 06:34

Instrument :
 BNA_M
 ClientSampleId :
 E5MX0MS

Tot Ion:	266	Resp:	47630
Ion Ratio		Lower	Upper
266	100		
264	63.1	49.4	74.2
268	65.1	49.1	73.7

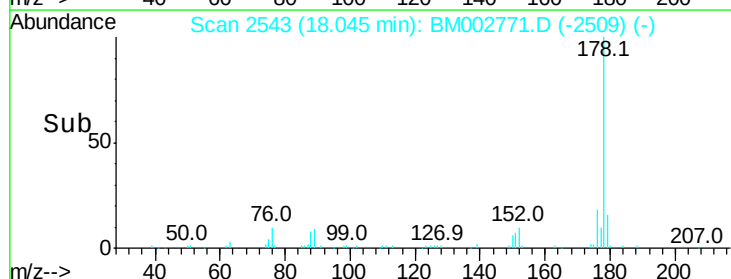
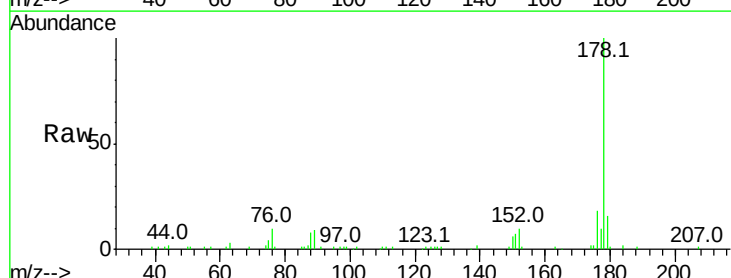
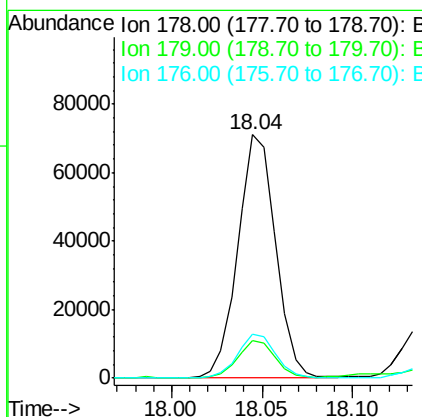
Manual Integrations
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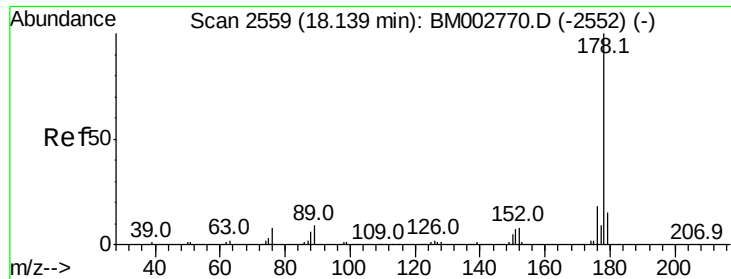
MMDadoda
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#70
 Phenanthrene
 Concen: 4.62 ng/ul
 RT: 18.04 min Scan# 2543
 Delta R.T. 0.00 min
 Lab File: BM002771.D
 Acq: 30 Sep 2015 06:34

Tgt Ion:	178	Resp:	103094
Ion Ratio		Lower	Upper
178	100		
179	15.6	12.0	18.0
176	18.2	14.6	22.0





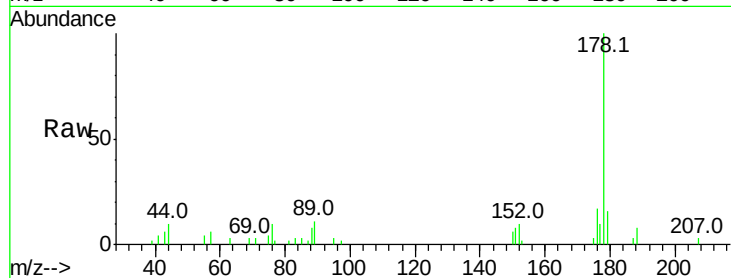
#72
 Anthracene
 Concen: 1.02 ng/ul
 RT: 18.14 min Scan# 2559
 Delta R.T. 0.00 min
 Lab File: BM002771.D
 Acq: 30 Sep 2015 06:34

Instrument :
 BNA_M
 ClientSampleId :
 E5MX0MS

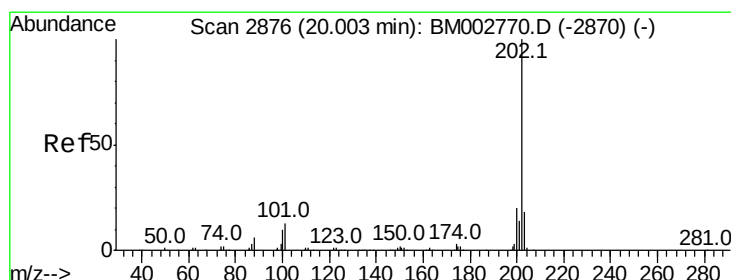
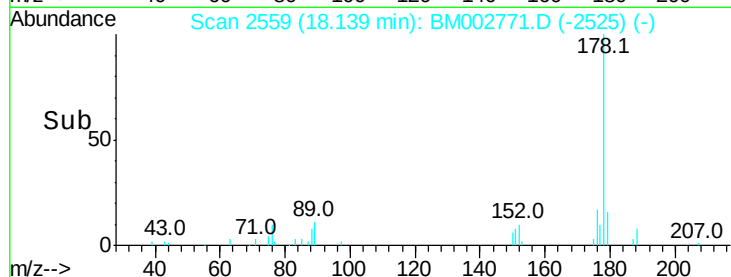
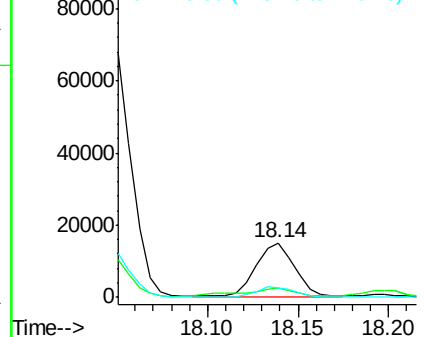
Tot Ion	Ratio	Lower	Upper
178	100		
179	16.4	11.9	17.9
176	17.5	14.4	21.6

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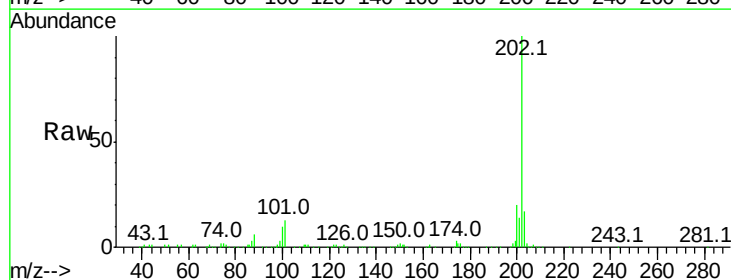


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

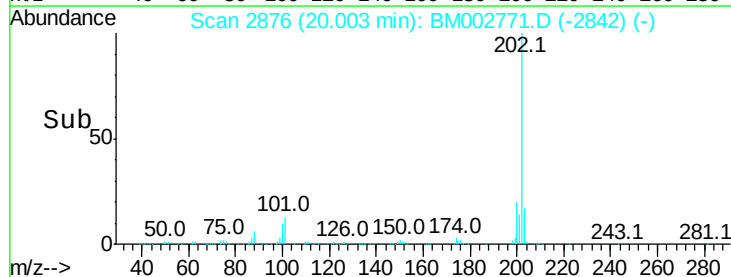
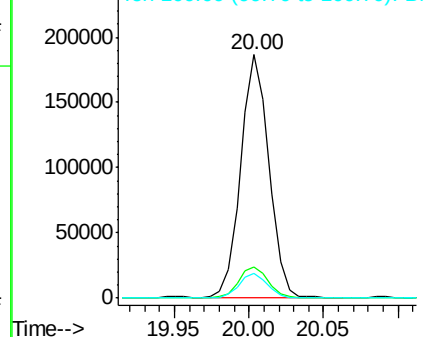


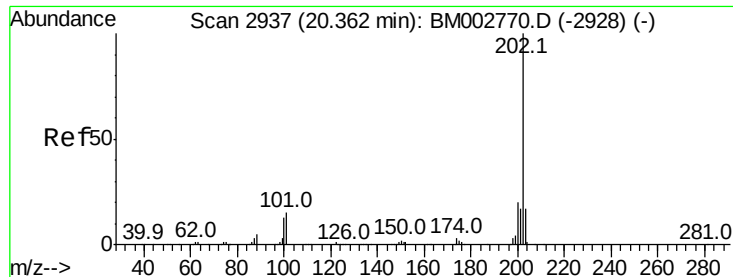
#77
 Fluoranthene
 Concen: 10.65 ng/ul
 RT: 20.00 min Scan# 2876
 Delta R.T. 0.00 min
 Lab File: BM002771.D
 Acq: 30 Sep 2015 06:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	11.0	16.4
100	10.2	8.3	12.5



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





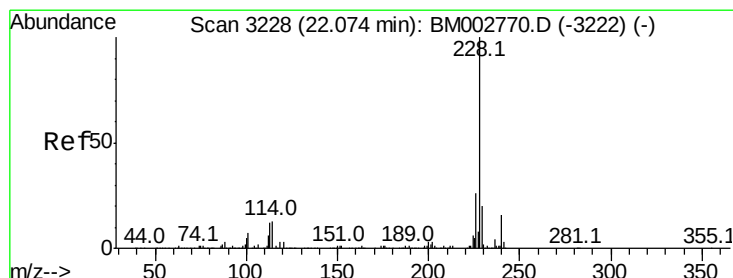
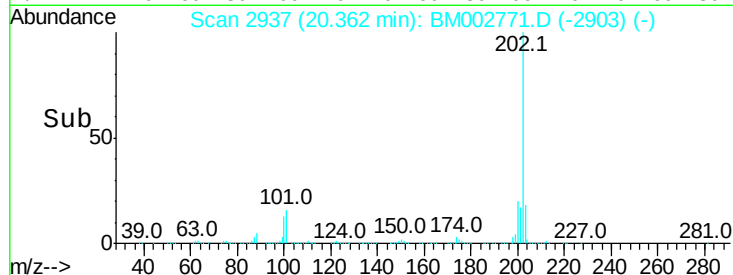
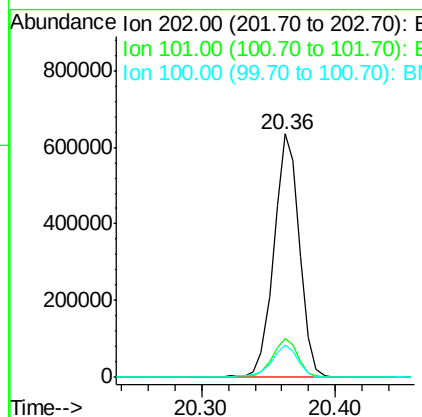
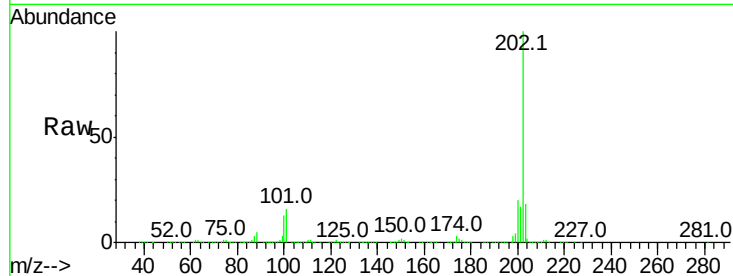
#80
Pvrene
Concen: 33.79 ng/ul
RT: 20.36 min Scan# 2937
Delta R.T. 0.00 min
Lab File: BM002771.D
Acq: 30 Sep 2015 06:34

Instrument :
BNA_M
ClientSampleId :
E5MX0MS

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	16.2	12.1	18.1
100	13.1	10.2	15.4

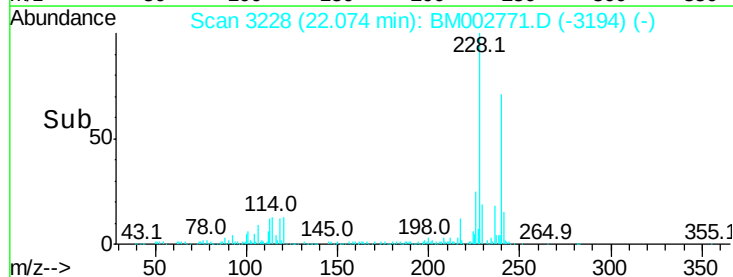
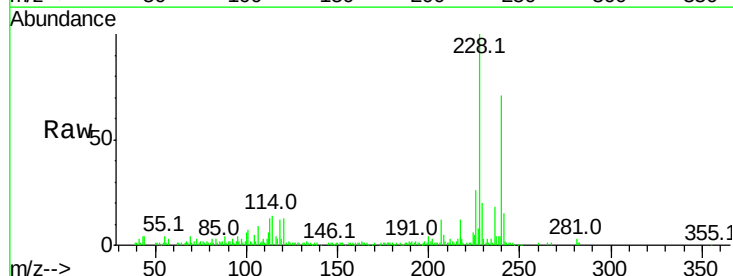
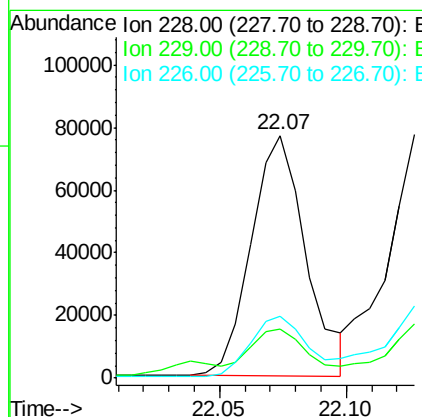
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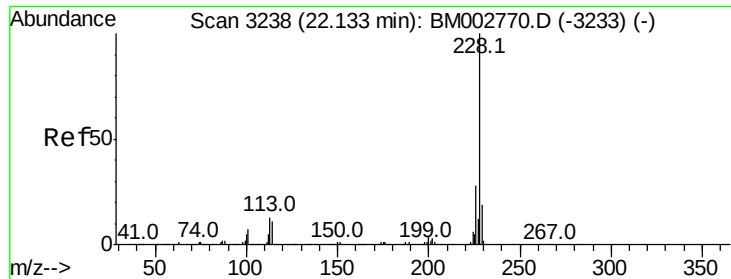
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#83
Benzo(a)anthracene
Concen: 4.91 ng/ul
RT: 22.07 min Scan# 3228
Delta R.T. 0.00 min
Lab File: BM002771.D
Acq: 30 Sep 2015 06:34

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.3	16.1	24.1
226	25.7	20.9	31.3





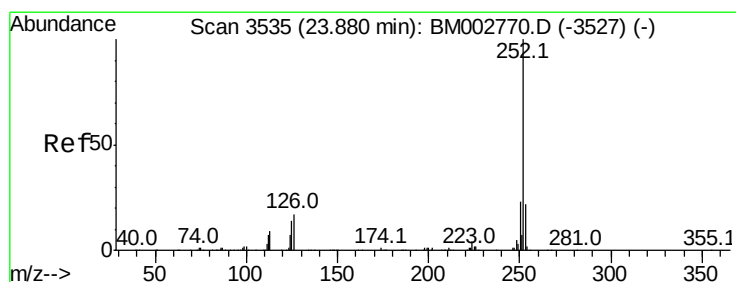
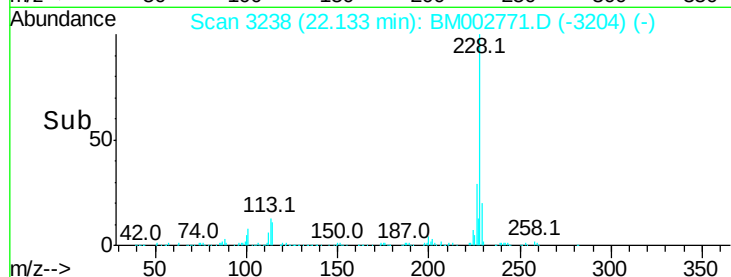
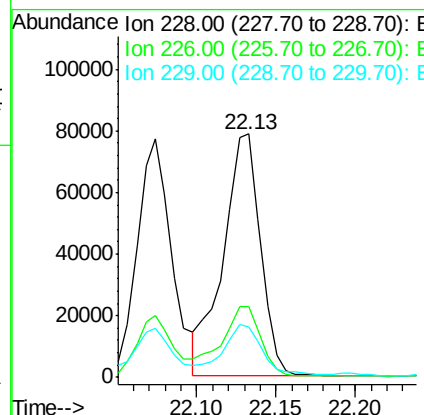
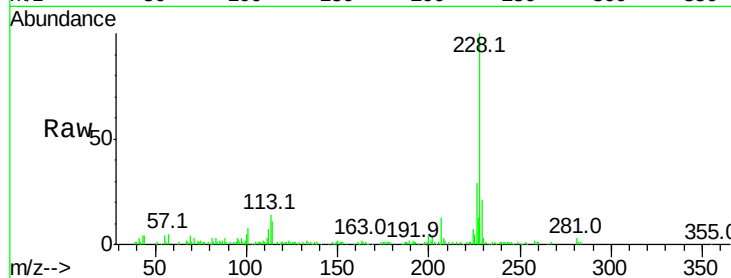
#85
Chrysene
Concen: 5.79 ng/ul
RT: 22.13 min Scan# 3238
Delta R.T. 0.00 min
Lab File: BM002771.D
Acq: 30 Sep 2015 06:34

Instrument :
BNA_M
ClientSampleId :
E5MX0MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.4	33.6
229	20.8	15.4	23.2

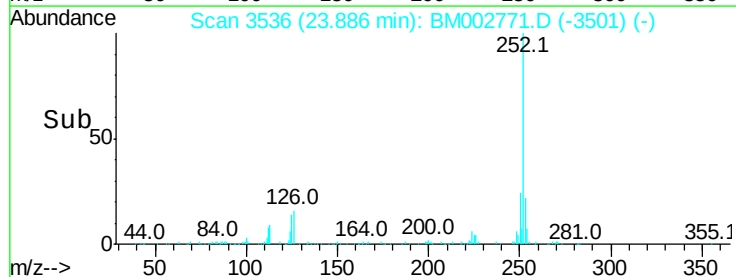
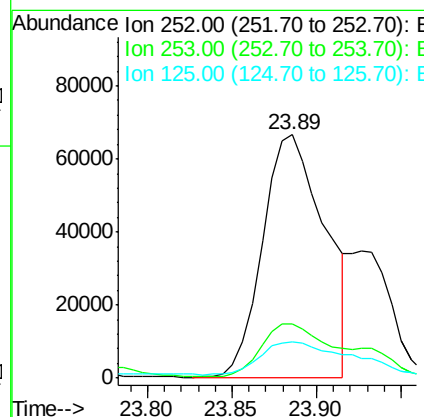
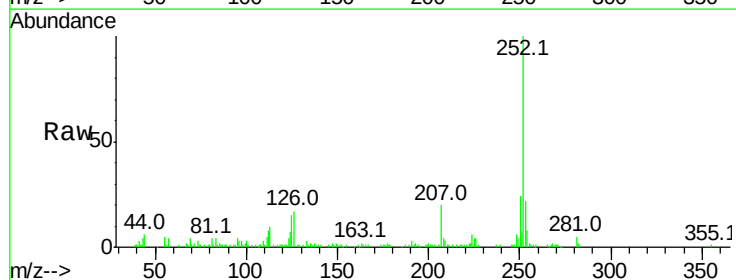
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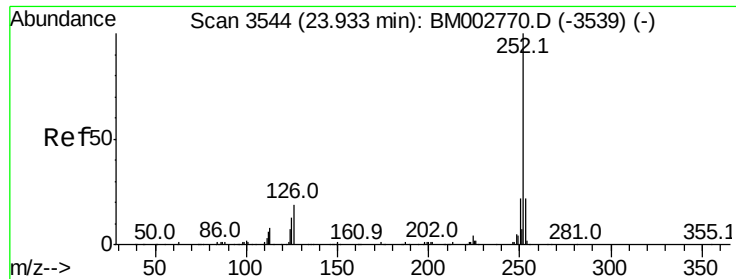
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#88
Benzo(b)fluoranthene
Concen: 7.22 ng/ul
RT: 23.89 min Scan# 3536
Delta R.T. 0.01 min
Lab File: BM002771.D
Acq: 30 Sep 2015 06:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	15.1	10.6	15.8





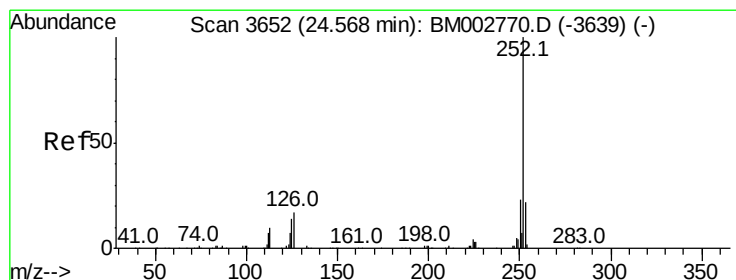
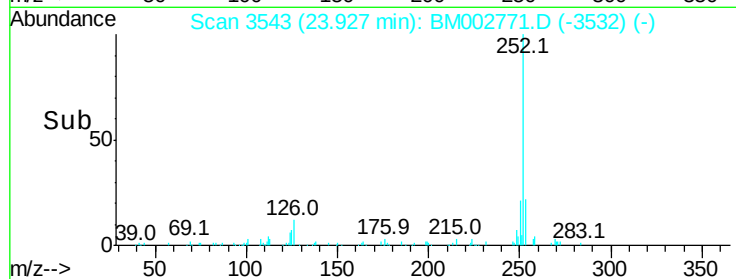
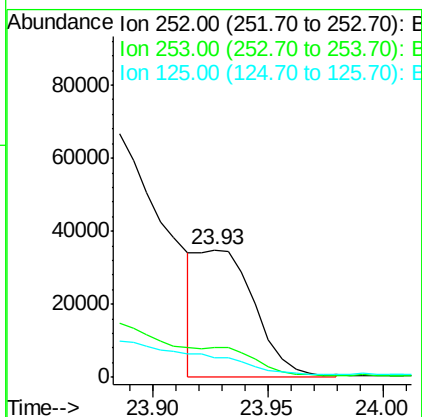
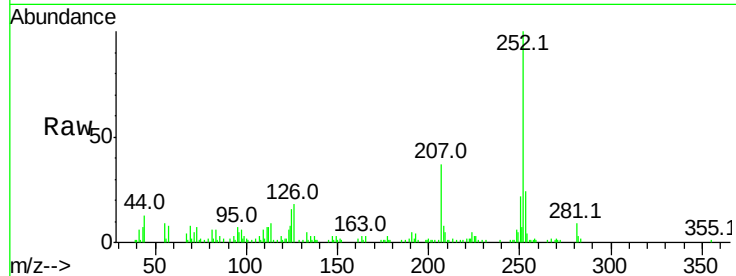
#89
Benzo(k)fluoranthene
Concen: 2.71 ng/ul m
RT: 23.93 min Scan# 3543
Delta R.T. -0.01 min
Lab File: BM002771.D
Acq: 30 Sep 2015 06:34

Instrument :
BNA_M
ClientSampleId :
E5MX0MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.3	25.9
125	15.6	10.0	15.0

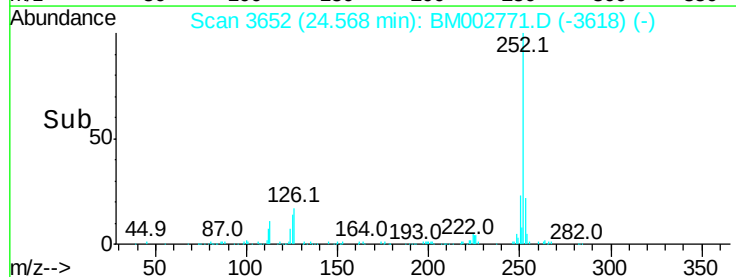
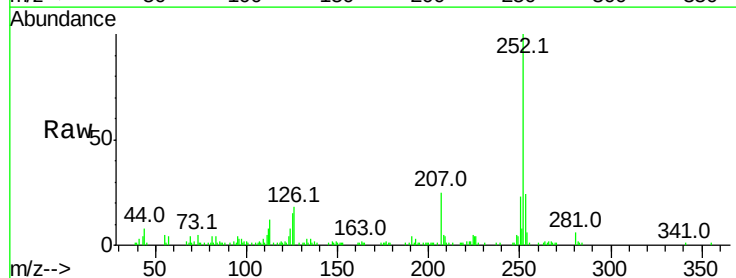
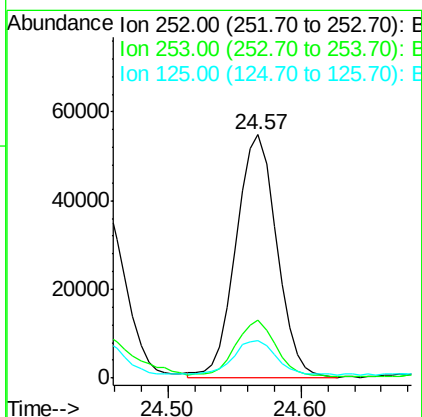
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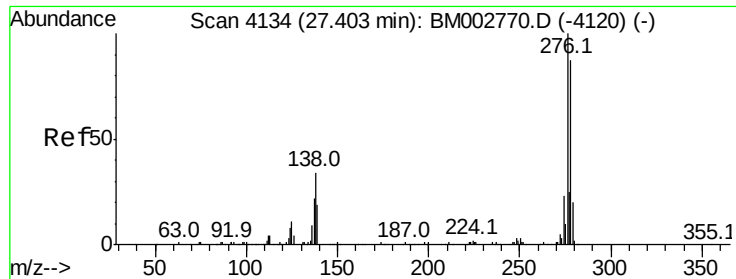
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#91
Benzo(a)pyrene
Concen: 5.13 ng/ul
RT: 24.57 min Scan# 3652
Delta R.T. 0.00 min
Lab File: BM002771.D
Acq: 30 Sep 2015 06:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	15.3	11.4	17.2





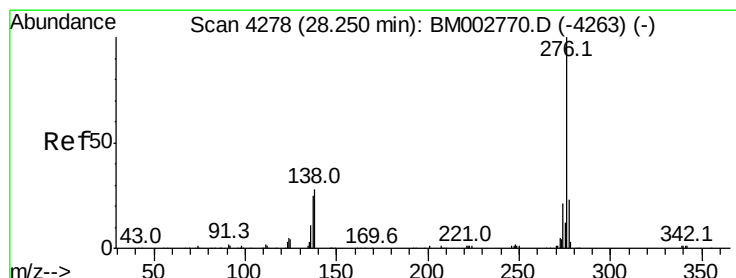
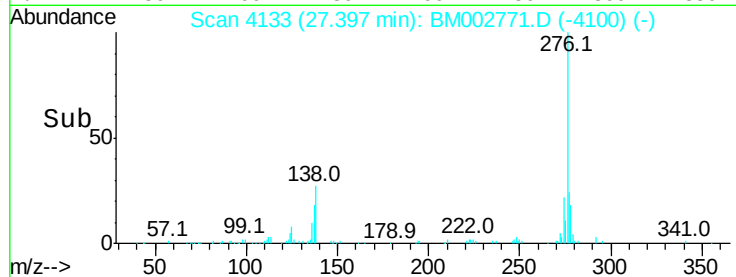
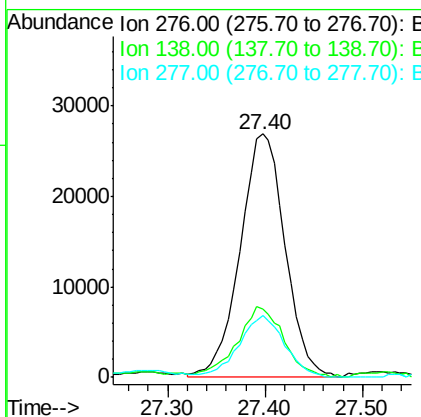
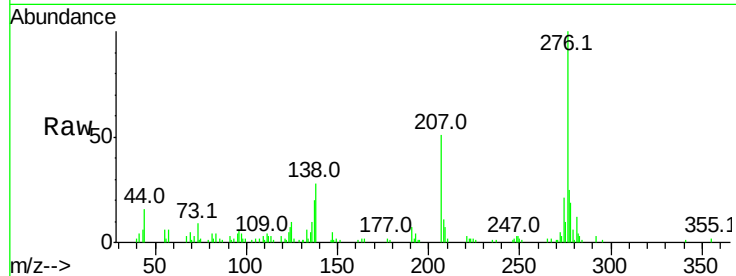
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 3.25 ng/ul
 RT: 27.40 min Scan# 4133
 Delta R.T. -0.01 min
 Lab File: BM002771.D
 Acq: 30 Sep 2015 06:34

Instrument :
 BNA_M
 ClientSampleId :
 E5MX0MS

Tot Ion:	276	Resp:	86455
Ion Ratio	Lower	Upper	
276	100		
138	27.8	27.7	41.5
277	25.3	20.2	30.4

Manual Integrations
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#94
 Benzo(g,h,i)perylene
 Concen: 3.98 ng/ul
 RT: 28.25 min Scan# 4278
 Delta R.T. 0.00 min
 Lab File: BM002771.D
 Acq: 30 Sep 2015 06:34

Tgt Ion:	276	Resp:	88977
Ion Ratio	Lower	Upper	
276	100		
138	29.0	21.8	32.8
277	23.6	18.9	28.3

