

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012117\
 Data File : BM008771.D
 Acq On : 21 Jan 2017 14:28
 Operator : UM/SJ
 Sample : I1323-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA9P2

Manual Integrations
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 2/6/2017 5:13:50 PM

Quant Time: Jan 23 18:45:48 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 23 03:51:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	77956	20.00	ng/ul	0.00
18) Naphthalene-d8	10.76	136	322846	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.59	164	270788	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.33	188	699308	20.00	ng/ul	0.00
75) Chrysene-d12	21.49	240	952084	20.00	ng/ul	0.00
83) Perylene-d12	23.86	264	851198	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	9316	5.52	ng/uL	0.00
5) Phenol-d5	7.10	99	201309	31.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.29	67	164532	37.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	137592	30.85	ng/ul	0.00
13) 4-Methylphenol-d8	8.65	113	156949	31.60	ng/ul	0.00
19) Nitrobenzene-d5	9.12	128	69923	35.10	ng/ul	0.00
22) 2-Nitrophenol-d4	9.84	143	79512	36.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.37	165	170251	34.15	ng/ul	0.00
29) 4-Chloroaniline-d4	10.89	131	202057	36.58	ng/ul	0.00
43) Dimethylphthalate-d6	13.99	166	619659	34.69	ng/ul	0.00
46) Acenaphthylene-d8	14.28	160	696765	33.07	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	91924	31.46	ng/ul	0.00
57) Fluorene-d10	15.57	176	567419	34.44	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.69	200	115782	32.12	ng/ul	0.00
70) Anthracene-d10	17.43	188	1055305	35.03	ng/ul	0.00
76) Pyrene-d10	19.71	212	1341038	31.97	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.70	264	1242693	35.79	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	7.13	94	128398	18.66 ng/ul#	50
10) 2-Chlorophenol	7.52	128	82253	18.00 ng/ul#	68
12) 2,2'-oxybis(1-Chloropropan	8.48	45	261591m	33.50 ng/ul	
17) Hexachloroethane	9.03	117	46759	19.31 ng/ul	93
27) 2,4-Dichlorophenol	10.40	162	95422	19.33 ng/ul#	93
28) Naphthalene	10.81	128	278678	18.89 ng/ul	98
31) Hexachlorobutadiene	11.08	225	133046	30.06 ng/ul	96
45) 2,6-Dinitrotoluene	14.16	165	93675	30.05 ng/ul#	56
49) Acenaphthene	14.65	153	266737	18.66 ng/ul	98
54) 2,4-Dinitrotoluene	14.95	165	147140	31.16 ng/ul#	77
56) Diethylphthalate	15.40	149	464950	24.74 ng/ul	94
58) Fluorene	15.63	166	344785	19.35 ng/ul	94
66) Hexachlorobenzene	16.63	284	173134	21.35 ng/ul#	87
68) Pentachlorophenol	16.97	266	209734	41.11 ng/ul	97
71) Anthracene	17.46	178	575260	16.63 ng/ul	98
77) Pyrene	19.74	202	937946	18.31 ng/ul#	94
78) Butylbenzylphthalate	20.63	149	724431	38.46 ng/ul#	86
80) Benzo(a)anthracene	21.47	228	985781	19.53 ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.39	149	836111	31.71 ng/ul	99
82) Chrysene	21.53	228	967594	20.65 ng/ul	98
85) Benzo(b)fluoranthene	23.14	252	1588111	34.99 ng/ul#	96
86) Benzo(k)fluoranthene	23.19	252	882764	20.13 ng/ul#	98
88) Benzo(a)pyrene	23.75	252	823000	19.01 ng/ul#	97

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Instrument :
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Manual Integrations
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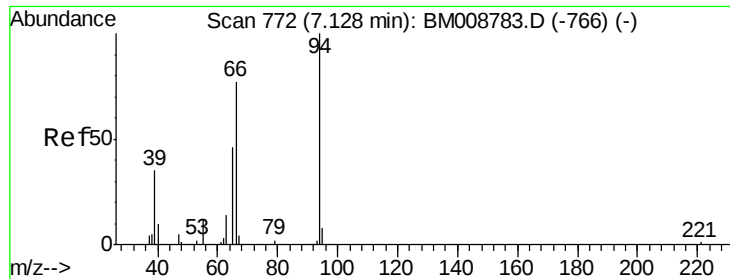
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Quant Time: Jan 23 18:45:48 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 23 03:51:57 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	26.27	276	1352931	27.57	ng/ul#	93
90) Dibenzo(a,h)anthracene	26.29	278	1004798	23.96	ng/ul#	96

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

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Data File : BM008771.D
Acq On    : 21 Jan 2017  14:28
Operator  : UM/SJ
Sample    : I1323-01
Misc      :
ALS Vial  : 3      Sample Multiplier: 1
```



#6

Phenol

Concen: 18.66 ng/ul

RT: 7.13 min Scan# 773

Delta R.T. 0.00 min

Lab File: BM008771.D

Acq: 21 Jan 2017 14:28

Instrument :

BNA_M

ClientSampled :

DA9P2

Tgt Ion: 94 Resp: 128398
Ion Ratio Lower Upper

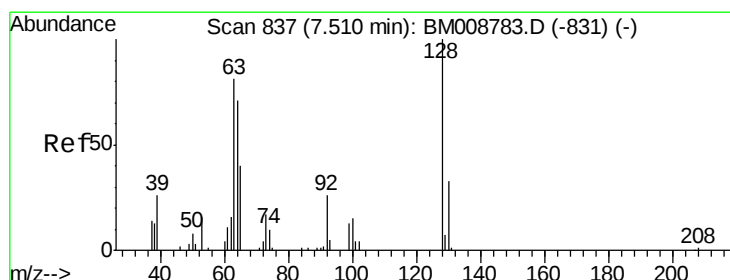
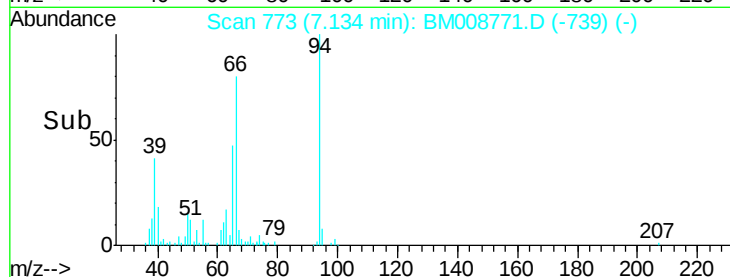
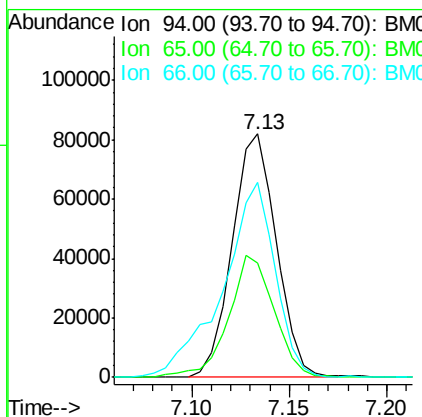
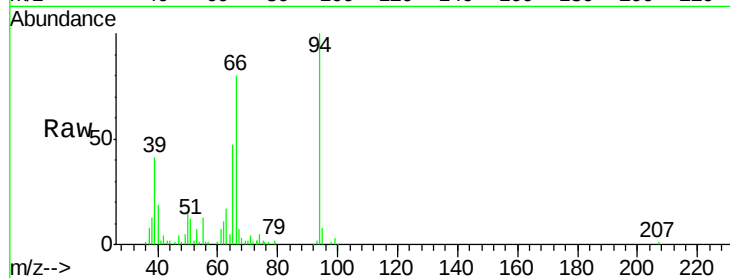
94 100

65 47.1 23.1 34.7#

66 80.2 33.7 50.5#

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#10

2-Chlorophenol

Concen: 18.00 ng/ul

RT: 7.52 min Scan# 838

Delta R.T. 0.00 min

Lab File: BM008771.D

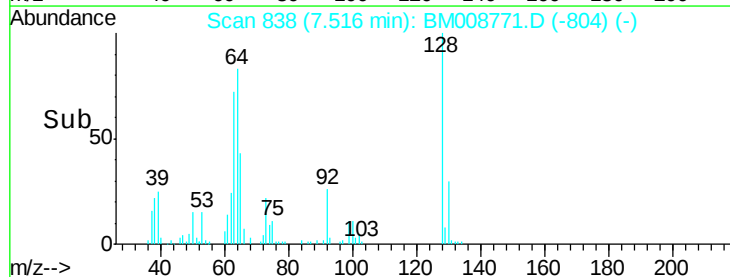
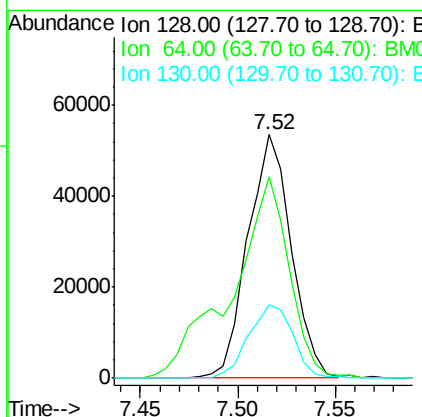
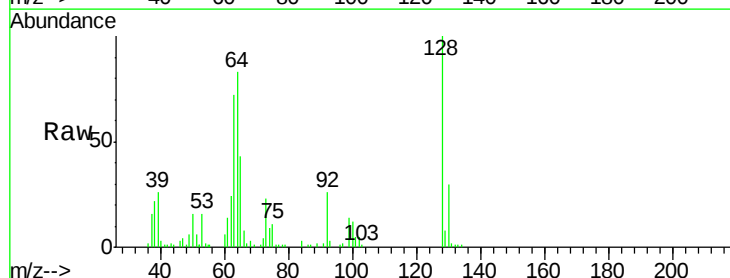
Acq: 21 Jan 2017 14:28

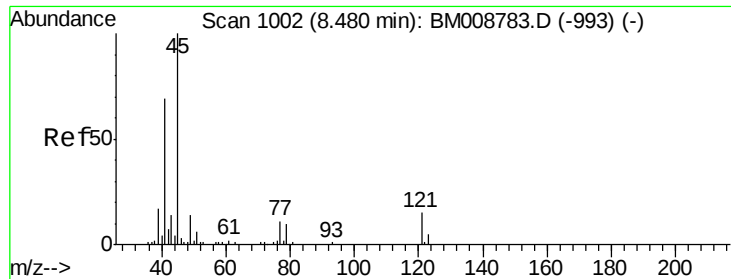
Tgt Ion: 128 Resp: 82253
Ion Ratio Lower Upper

128 100

64 82.8 38.7 58.1#

130 30.2 26.9 40.3





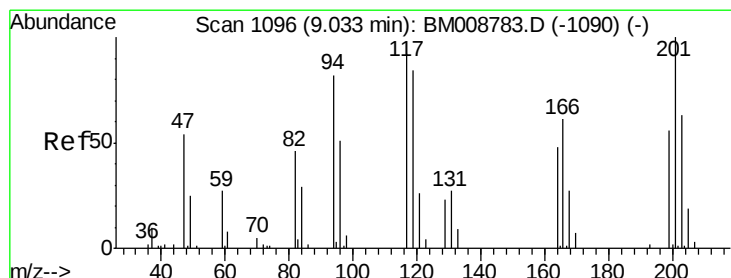
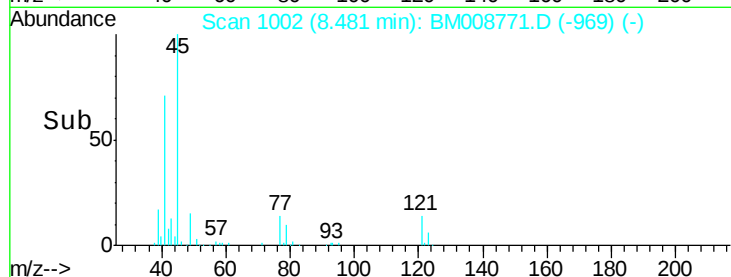
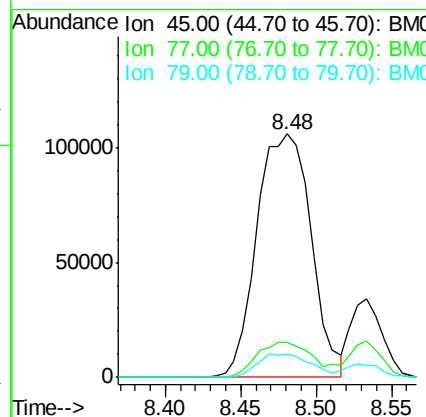
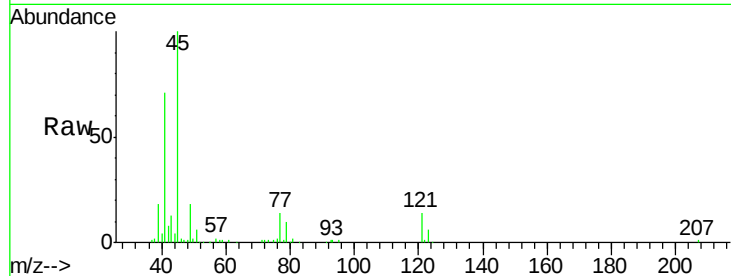
#12
2,2'-oxybis(1-Chloropropane)
Concen: 33.50 ng/ul m
RT: 8.48 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BM008771.D
Acq: 21 Jan 2017 14:28

Instrument :
BNA_M
ClientSampled :
DA9P2

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.5	13.8	20.6
79	9.7	12.1	18.1

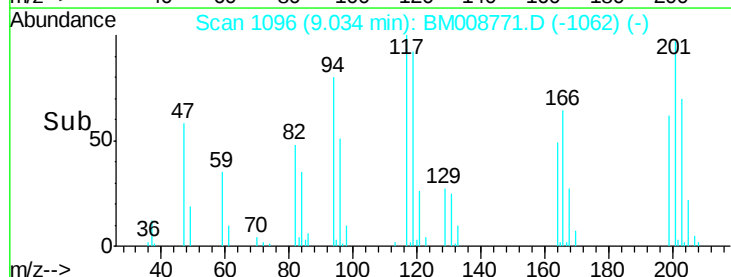
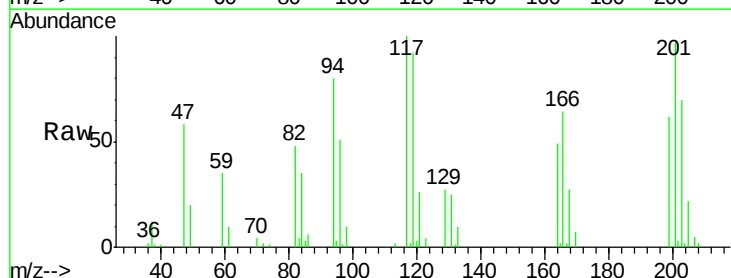
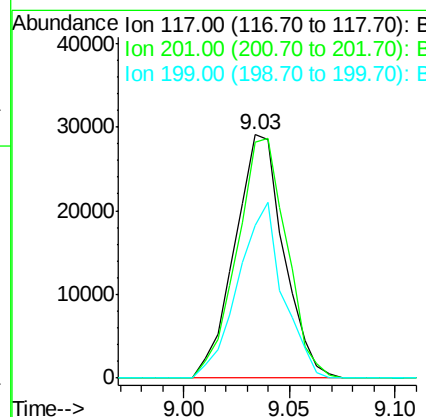
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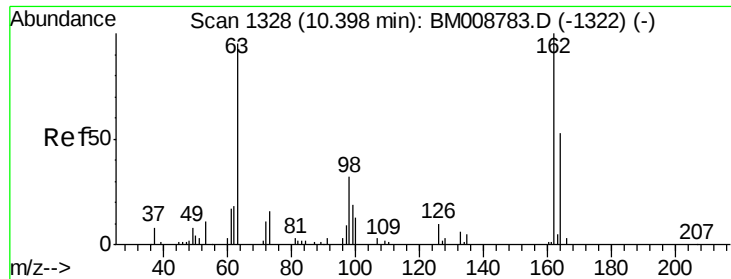
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#17
Hexachloroethane
Concen: 19.31 ng/ul
RT: 9.03 min Scan# 1096
Delta R.T. 0.00 min
Lab File: BM008771.D
Acq: 21 Jan 2017 14:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.8	85.4	128.2
199	62.5	54.1	81.1





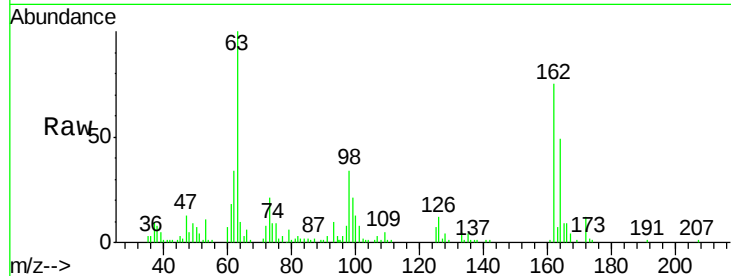
#27
2,4-Dichlorophenol
Concen: 19.33 ng/ul
RT: 10.40 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BM008771.D
Acq: 21 Jan 2017 14:28

Instrument :
BNA_M
ClientSampleId :
DA9P2

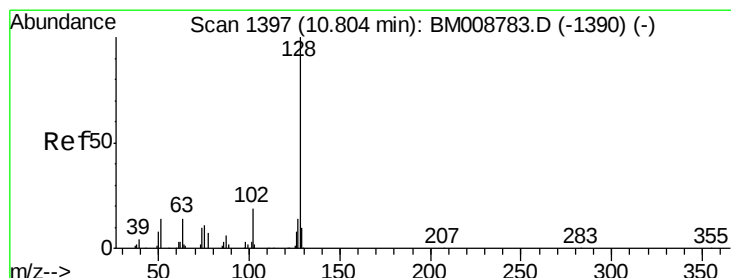
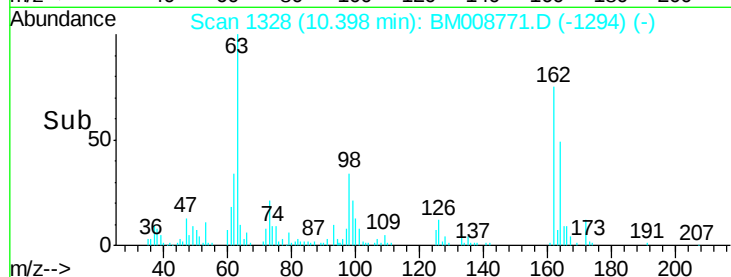
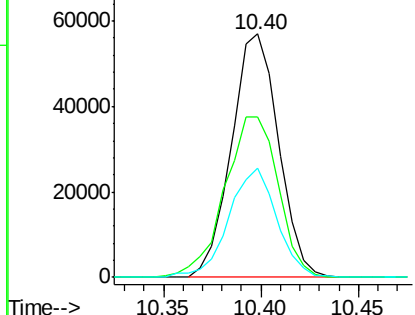
Tgt Ion	Ratio	Lower	Upper
162	100		
164	66.1	50.8	76.2
98	45.1	29.8	44.6

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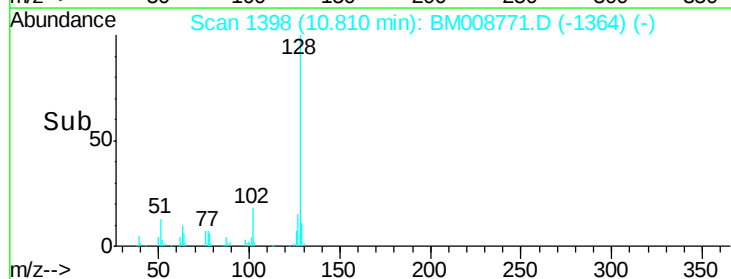
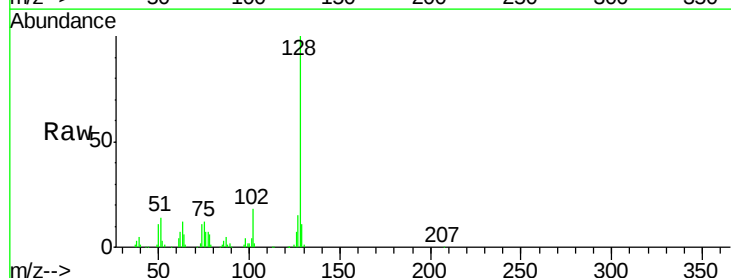
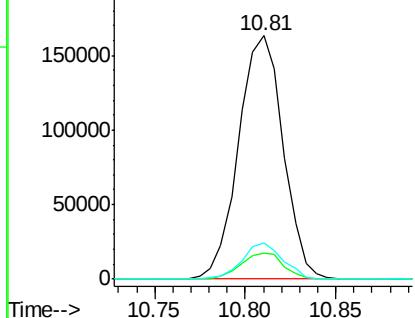
Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): B

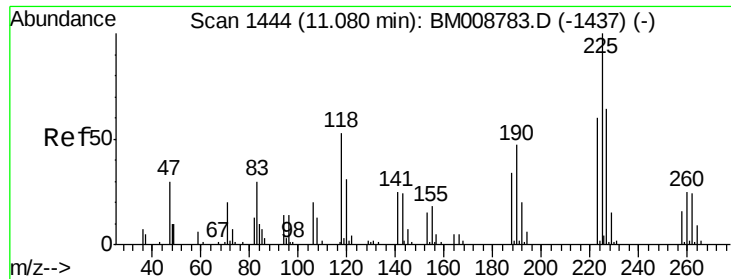


#28
Naphthalene
Concen: 18.89 ng/ul
RT: 10.81 min Scan# 1398
Delta R.T. 0.00 min
Lab File: BM008771.D
Acq: 21 Jan 2017 14:28

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.3	12.5
127	14.8	10.6	16.0

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





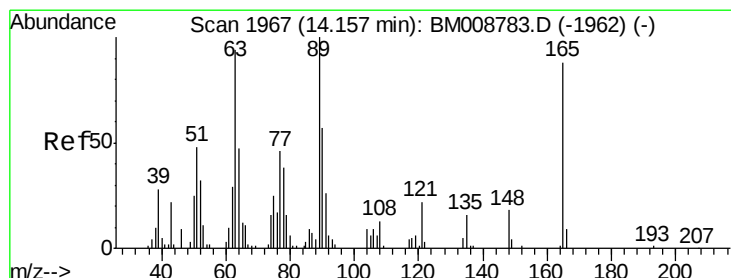
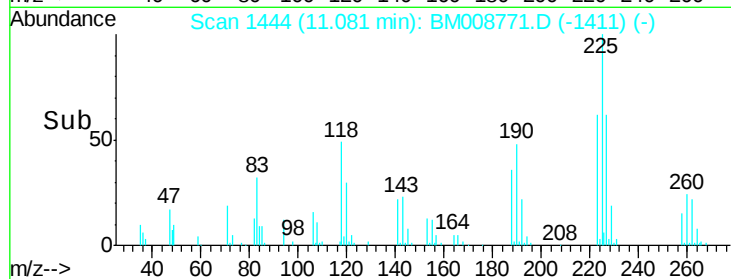
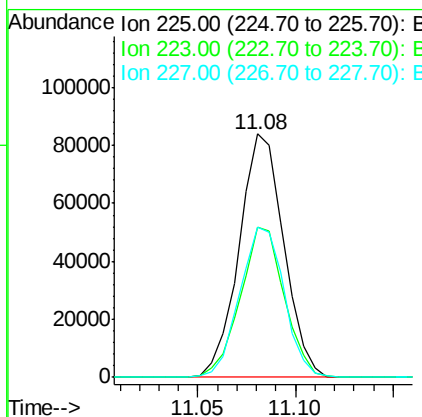
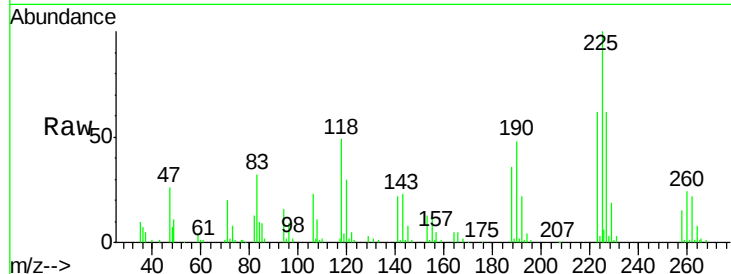
#31
Hexachlorobutadiene
Concen: 30.06 ng/ul
RT: 11.08 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BM008771.D
Acq: 21 Jan 2017 14:28

Instrument :
BNA_M
ClientSampleId :
DA9P2

Tgt Ion:	225	Resp:	133046
Ion Ratio	Lower	Upper	
225	100		
223	61.7	47.8	71.8
227	61.7	53.2	79.8

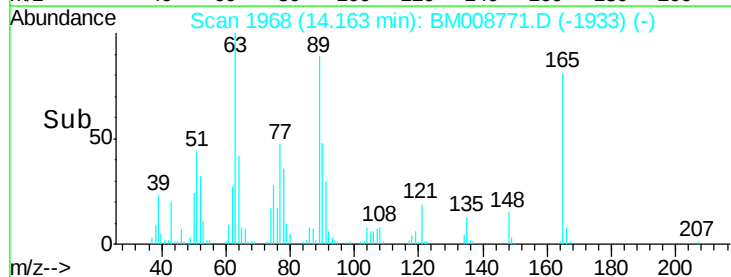
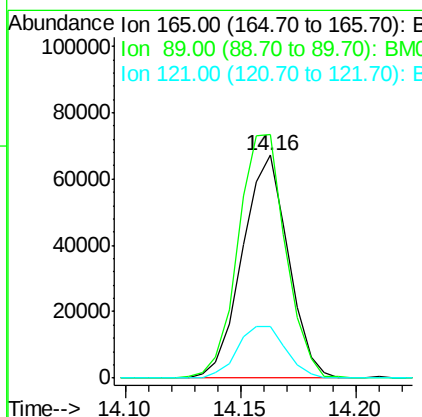
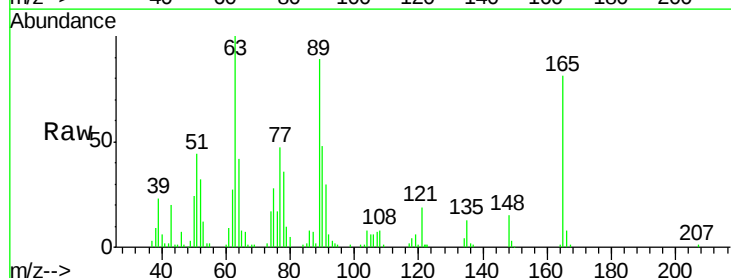
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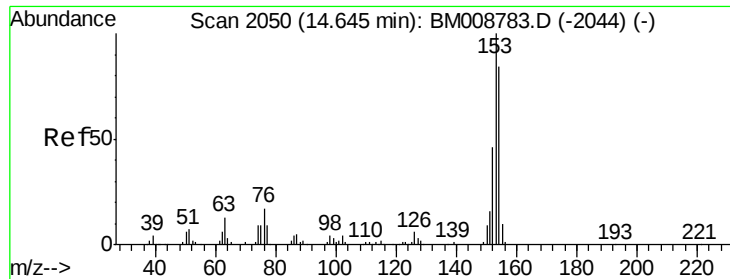
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#45
2,6-Dinitrotoluene
Concen: 30.05 ng/ul
RT: 14.16 min Scan# 1968
Delta R.T. 0.01 min
Lab File: BM008771.D
Acq: 21 Jan 2017 14:28

Tgt Ion:	165	Resp:	93675
Ion Ratio	Lower	Upper	
165	100		
89	109.2	50.6	76.0#
121	23.1	18.2	27.2





#49

Acenaphthene

Concen: 18.66 ng/ul

RT: 14.65 min Scan# 2051

Delta R.T. 0.00 min

Lab File: BM008771.D

Acq: 21 Jan 2017 14:28

Instrument :

BNA_M

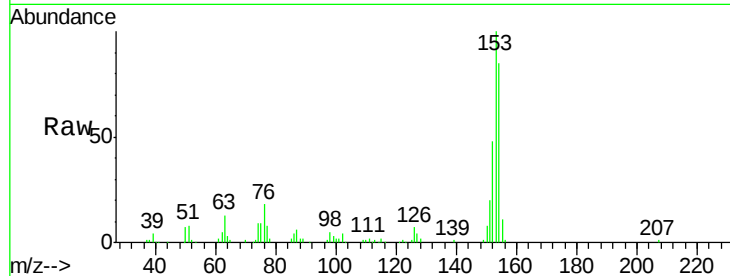
ClientSampled :

DA9P2

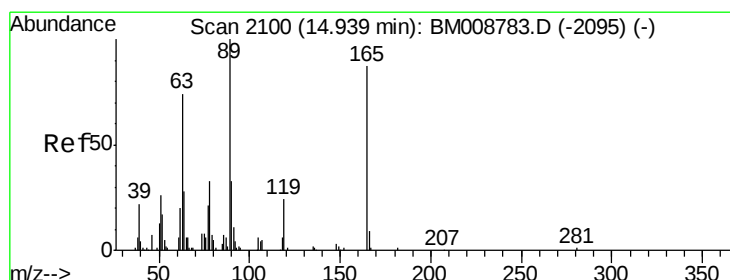
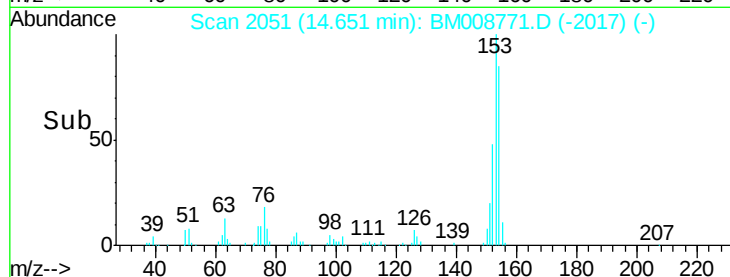
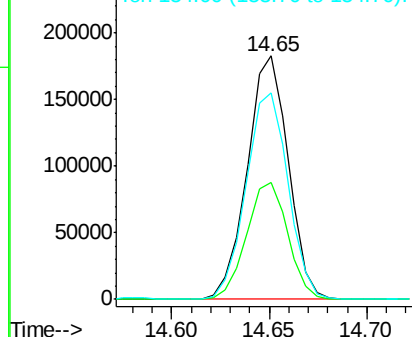
Tgt Ion:	153	Resp:	266737
Ion Ratio		Lower	Upper
153	100		
152	48.2	36.4	54.6
154	84.8	68.7	103.1

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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

2,4-Dinitrotoluene

Concen: 31.16 ng/ul

RT: 14.95 min Scan# 2101

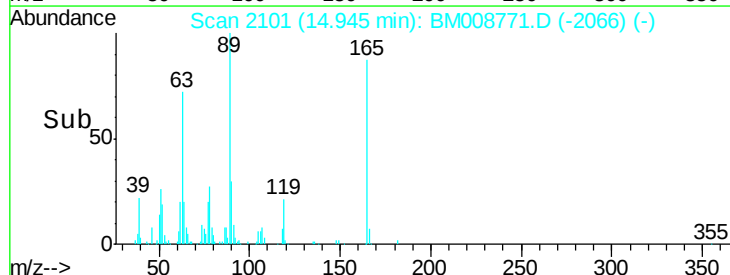
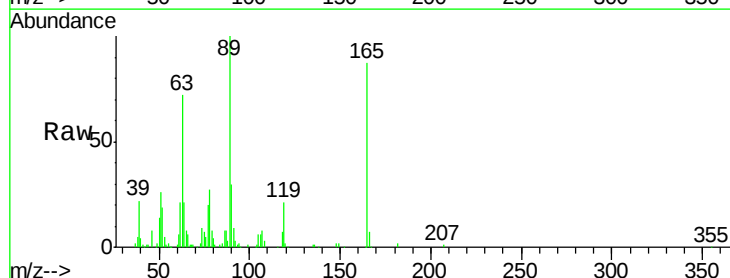
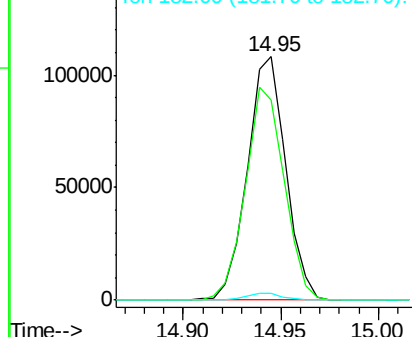
Delta R.T. 0.01 min

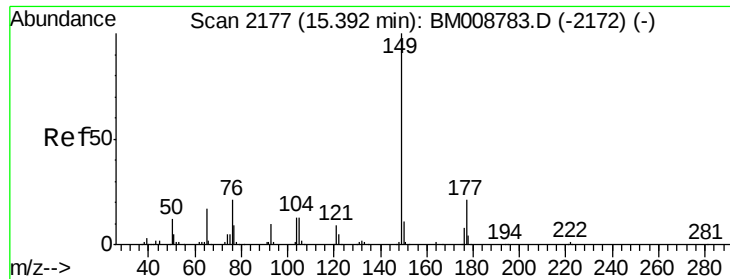
Lab File: BM008771.D

Acq: 21 Jan 2017 14:28

Tgt Ion:	165	Resp:	147140
Ion Ratio		Lower	Upper
165	100		
63	82.1	50.6	76.0#
182	2.6	2.7	4.1#

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 182.00 (181.70 to 182.70): E





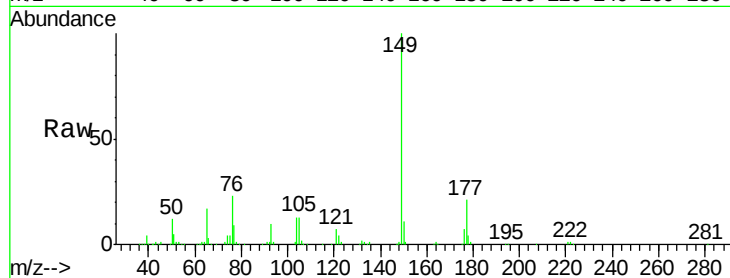
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Diethylphthalate
Concen: 24.74 ng/ul
RT: 15.40 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BM008771.D
Acq: 21 Jan 2017 14:28

Instrument :
BNA_M
ClientSampled :
DA9P2

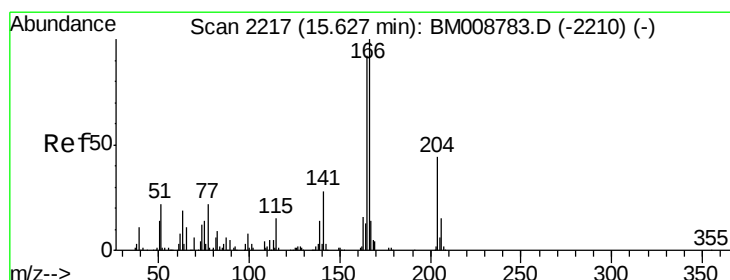
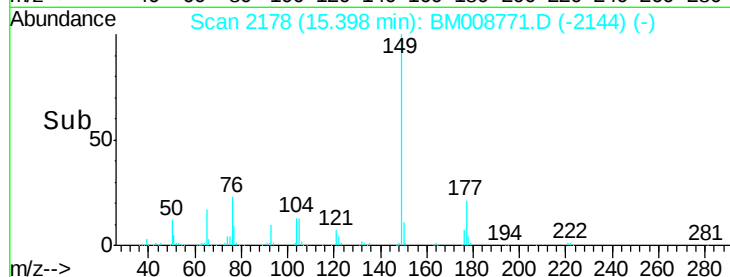
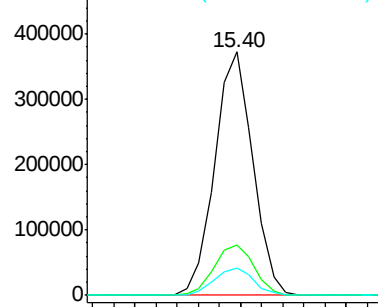
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	464950		
177	20.8	19.7	29.5	
150	11.4	10.0	15.0	

Manual Integrations
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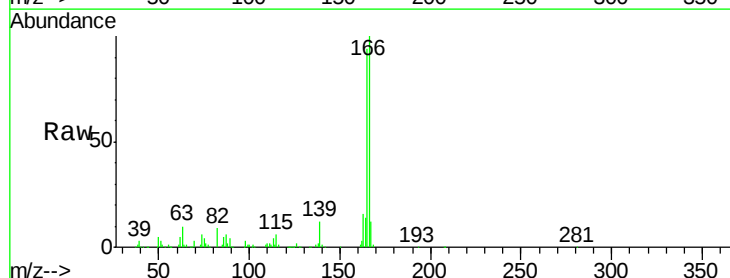


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

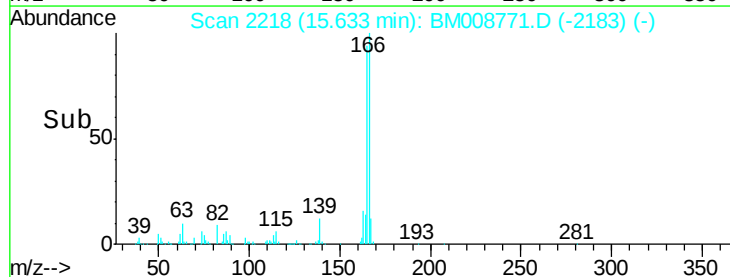
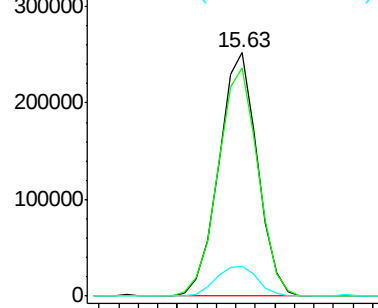


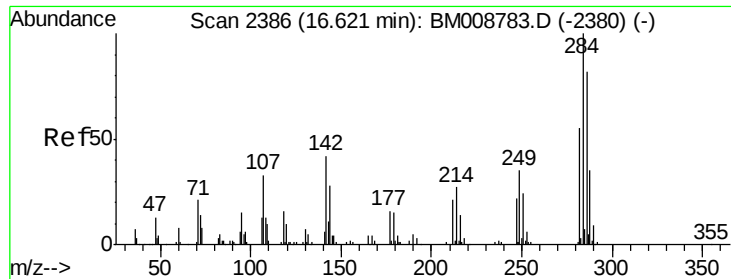
#58
Fluorene
Concen: 19.35 ng/ul
RT: 15.63 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BM008771.D
Acq: 21 Jan 2017 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	344785		
165	93.9	80.2	120.2	
167	12.1	10.9	16.3	



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





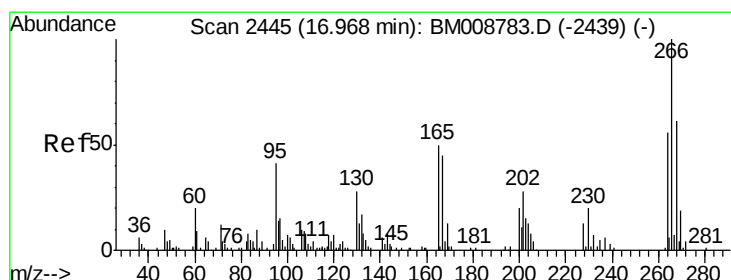
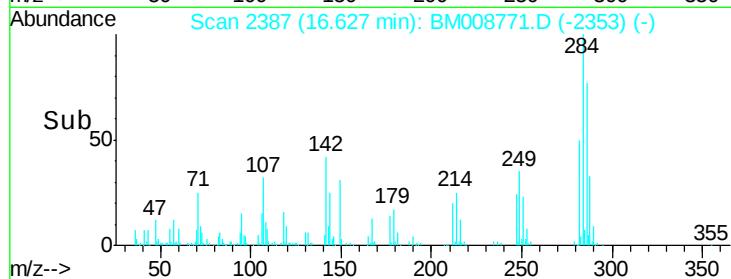
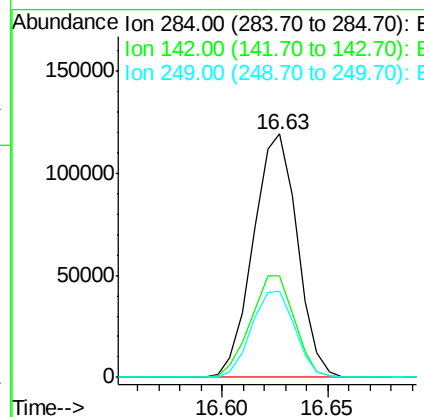
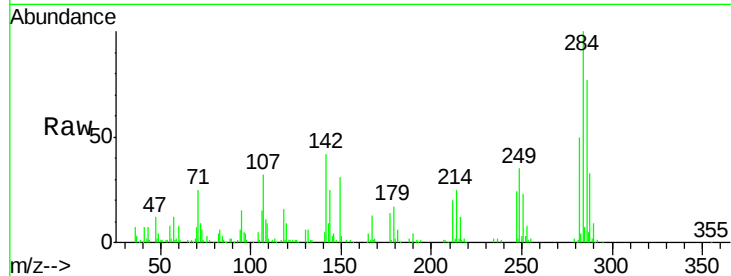
#66
Hexachlorobenzene
Concen: 21.35 ng/ul
RT: 16.63 min Scan# 2387
Delta R.T. 0.00 min
Lab File: BM008771.D
Acq: 21 Jan 2017 14:28

Instrument :
BNA_M
ClientSampleId :
DA9P2

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	173134		
142	41.8	26.2	39.2	#
249	35.4	24.6	36.8	

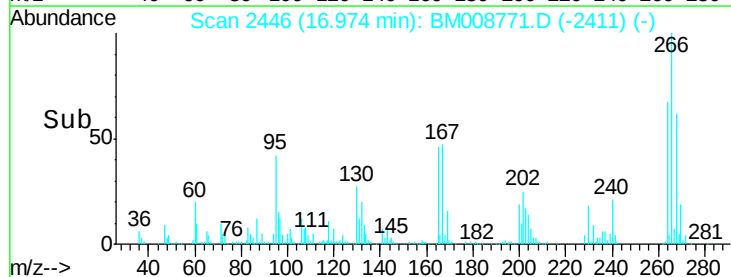
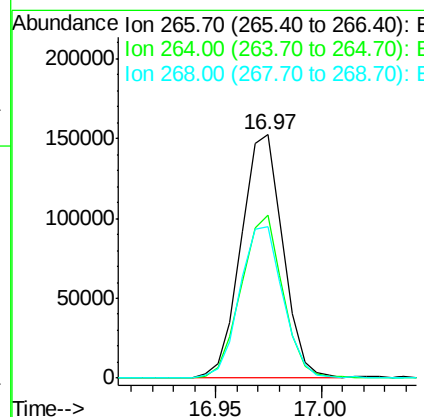
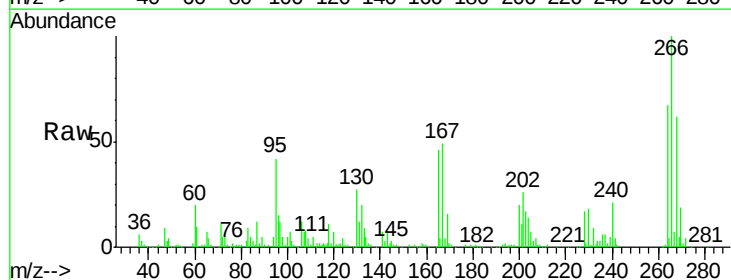
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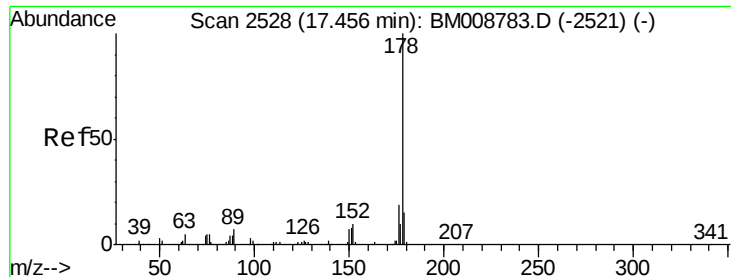
mohammad
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#68
Pentachlorophenol
Concen: 41.11 ng/ul
RT: 16.97 min Scan# 2446
Delta R.T. 0.01 min
Lab File: BM008771.D
Acq: 21 Jan 2017 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	209734		
264	66.8	50.6	75.8	
268	62.1	49.1	73.7	





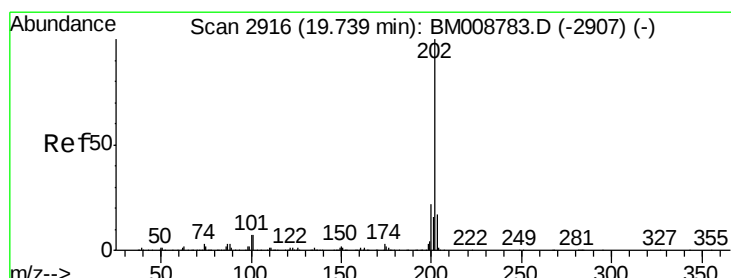
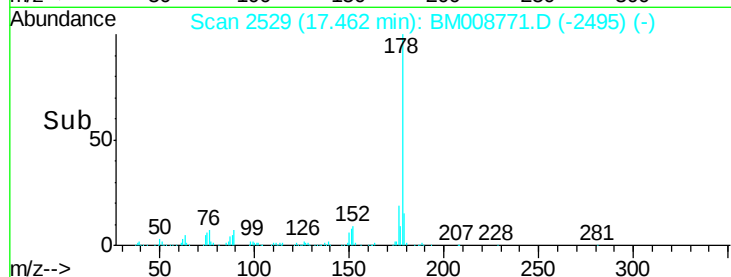
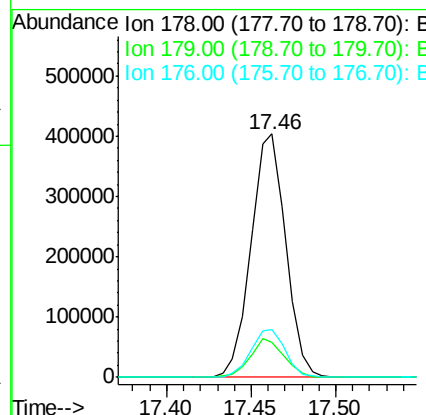
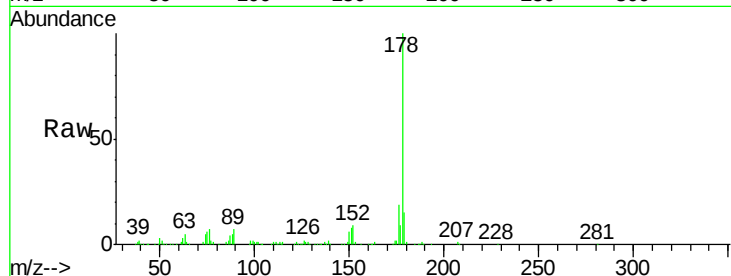
#71
 Anthracene
 Concen: 16.63 ng/ul
 RT: 17.46 min Scan# 2529
 Delta R.T. 0.00 min
 Lab File: BM008771.D
 Acq: 21 Jan 2017 14:28

Instrument :
 BNA_M
 ClientSampled :
 DA9P2

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.6	11.8	17.8
176	19.5	14.6	21.8

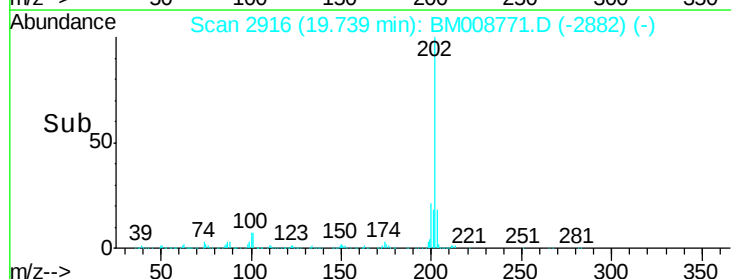
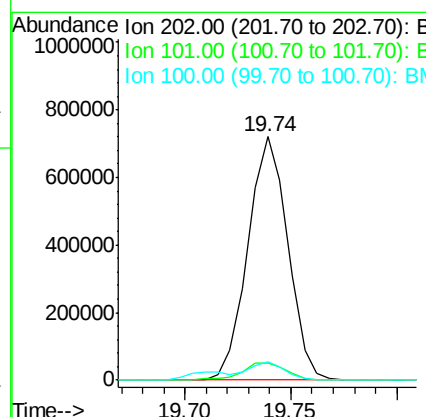
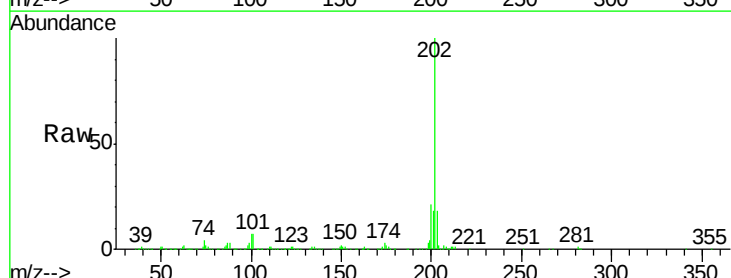
Manual Integrations
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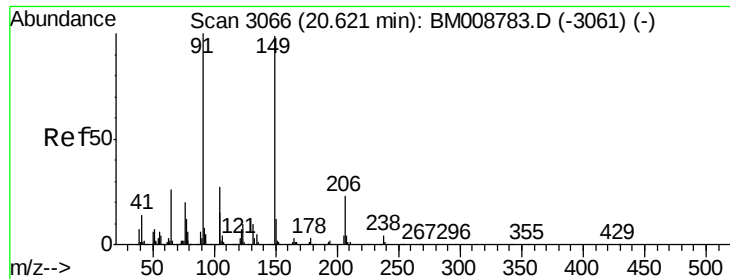
mohammad
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#77
 Pyrene
 Concen: 18.31 ng/ul
 RT: 19.74 min Scan# 2916
 Delta R.T. 0.00 min
 Lab File: BM008771.D
 Acq: 21 Jan 2017 14:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.1	8.6	12.8#
100	7.4	6.5	9.7





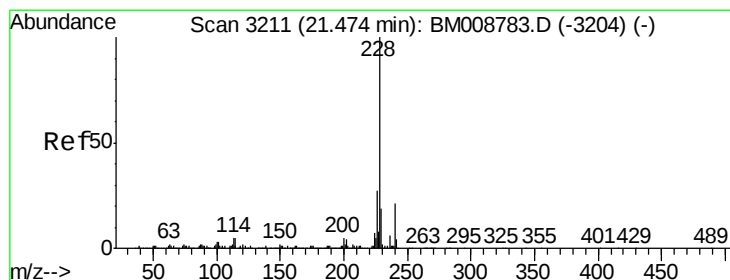
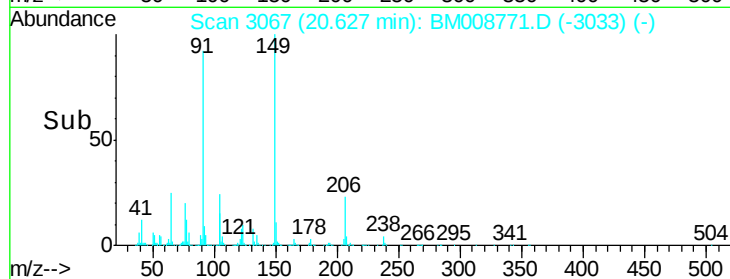
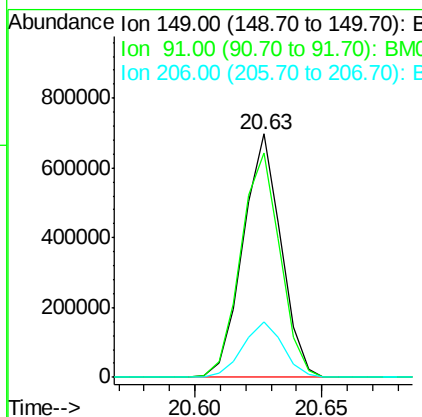
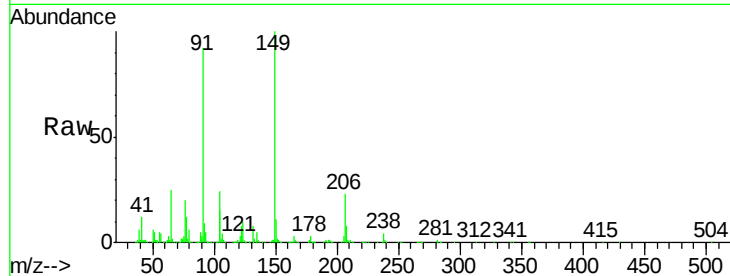
#78
Butylbenzylphthalate
Concen: 38.46 ng/ul
RT: 20.63 min Scan# 3067
Delta R.T. 0.00 min
Lab File: BM008771.D
Acq: 21 Jan 2017 14:28

Instrument :
BNA_M
ClientSampleId :
DA9P2

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	724431		
91	92.3	61.0	91.4#	
206	22.9	18.3	27.5	

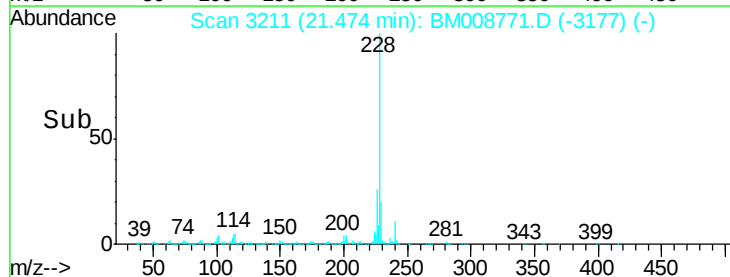
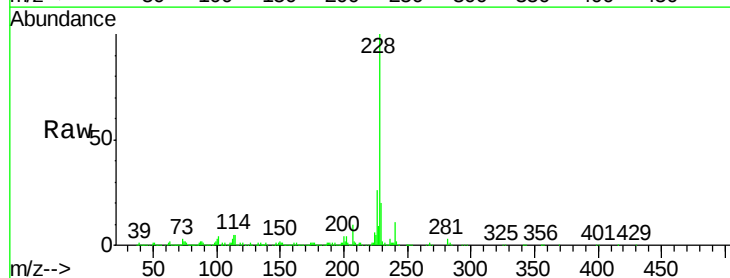
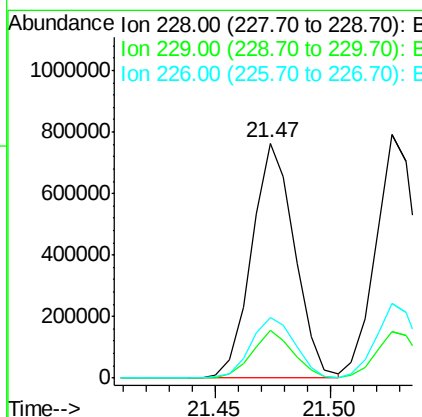
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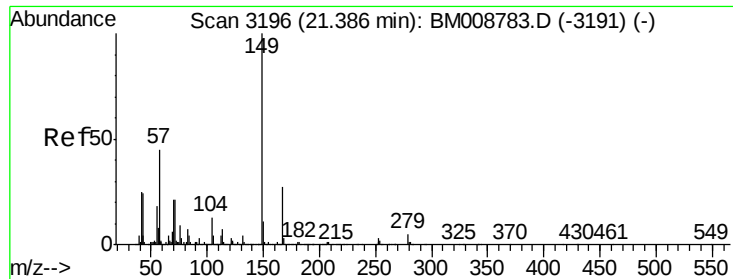
mohammad
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#80
Benzo(a)anthracene
Concen: 19.53 ng/ul
RT: 21.47 min Scan# 3211
Delta R.T. 0.00 min
Lab File: BM008771.D
Acq: 21 Jan 2017 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	985781		
229	20.1	15.8	23.6	
226	25.8	21.3	31.9	





#81

Bis(2-ethylhexyl)phthalate

Concen: 31.71 ng/ul

RT: 21.39 min Scan# 3197

Delta R.T. 0.00 min

Lab File: BM008771.D

Acq: 21 Jan 2017 14:28

Instrument :

BNA_M

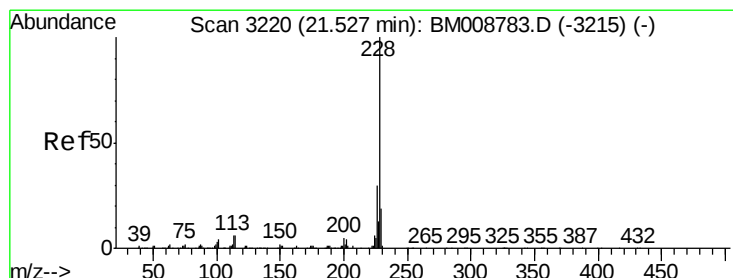
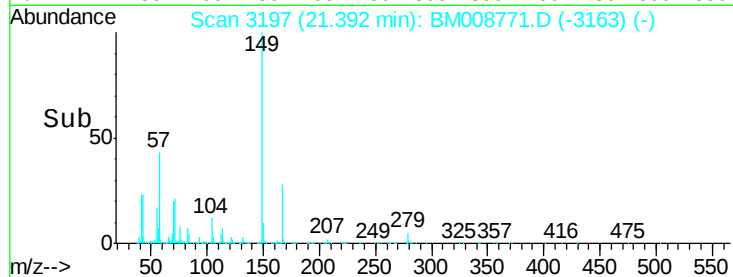
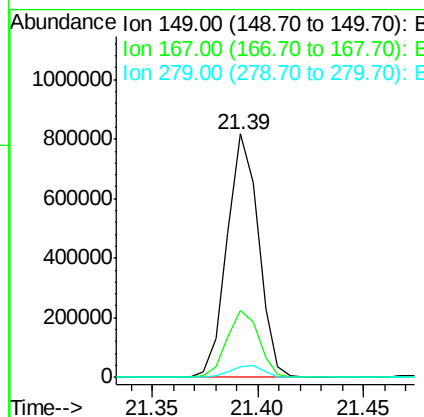
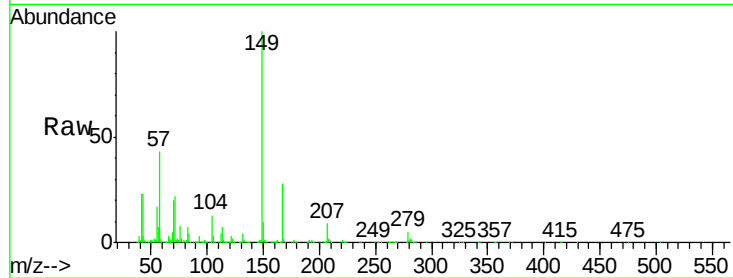
ClientSampled :

DA9P2

Tgt Ion:	149	Resp:	836111
Ion Ratio	Lower	Upper	
149	100		
167	27.6	22.5	33.7
279	4.6	4.3	6.5

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#82

Chrysene

Concen: 20.65 ng/ul

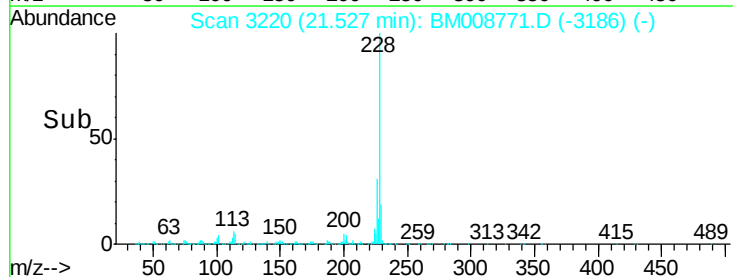
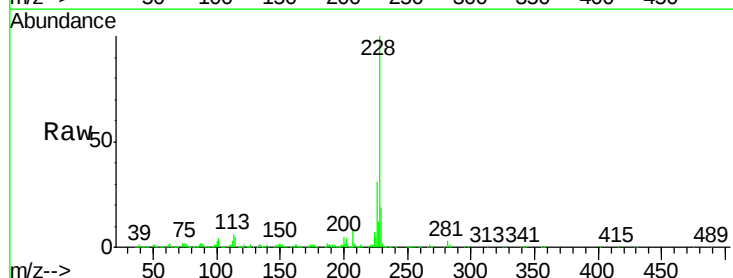
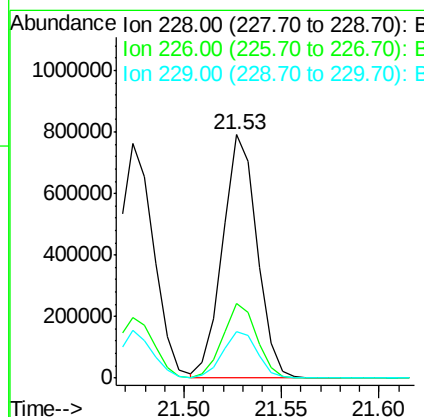
RT: 21.53 min Scan# 3220

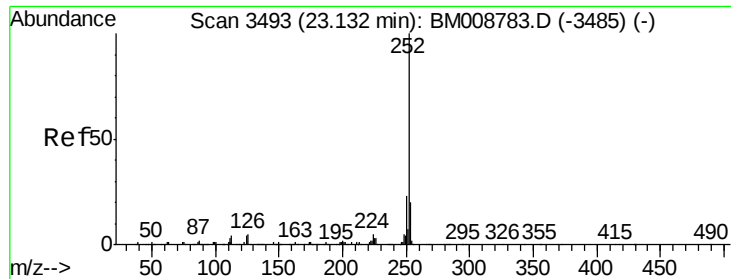
Delta R.T. 0.00 min

Lab File: BM008771.D

Acq: 21 Jan 2017 14:28

Tgt Ion:	228	Resp:	967594
Ion Ratio	Lower	Upper	
228	100		
226	30.9	23.4	35.0
229	19.2	15.4	23.0





#85

Benzo(b)fluoranthene

Concen: 34.99 ng/ul

RT: 23.14 min Scan# 3494

Delta R.T. 0.01 min

Lab File: BM008771.D

Acq: 21 Jan 2017 14:28

Instrument :

BNA_M

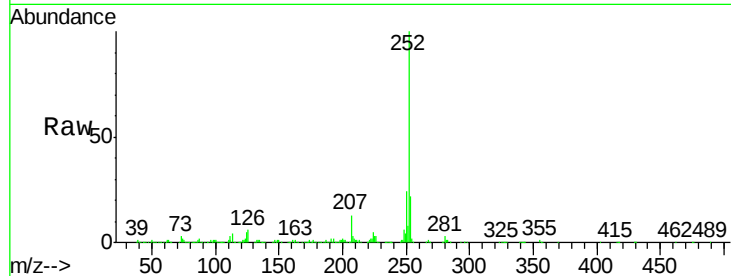
ClientSampleId :

DA9P2

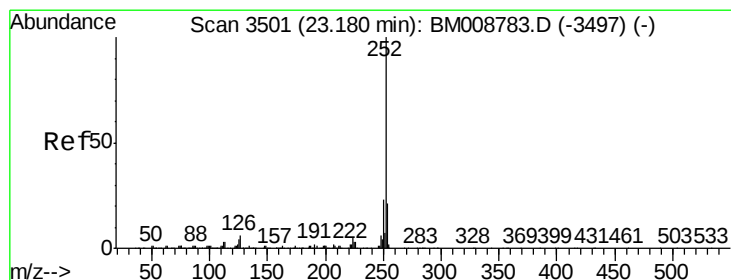
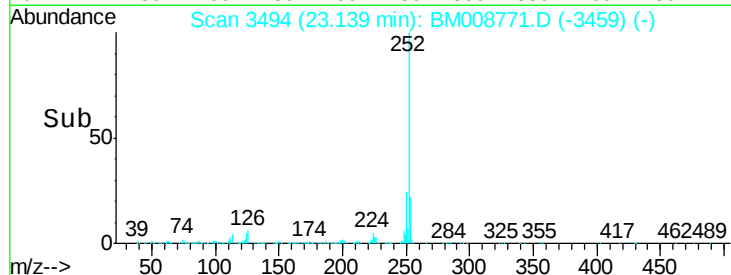
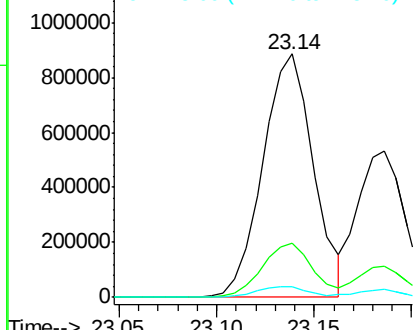
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	4.5	5.6	8.4

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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



#86

Benzo(k)fluoranthene

Concen: 20.13 ng/ul

RT: 23.19 min Scan# 3502

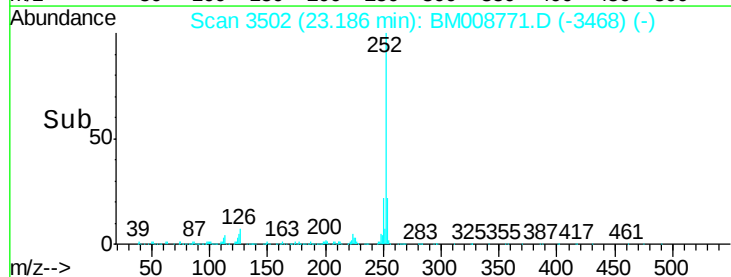
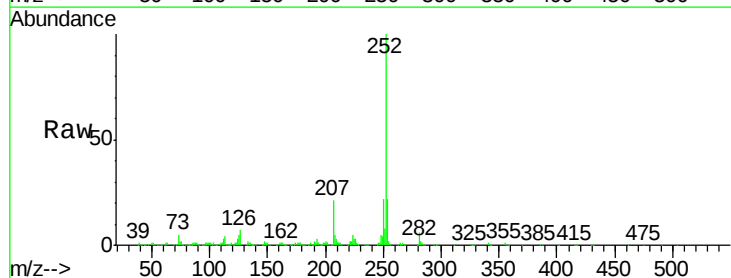
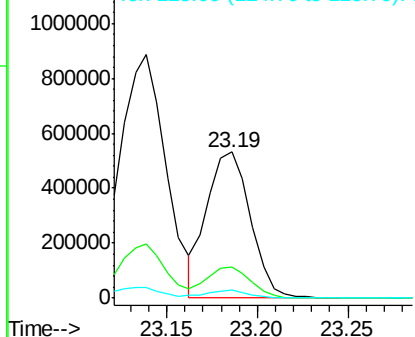
Delta R.T. 0.00 min

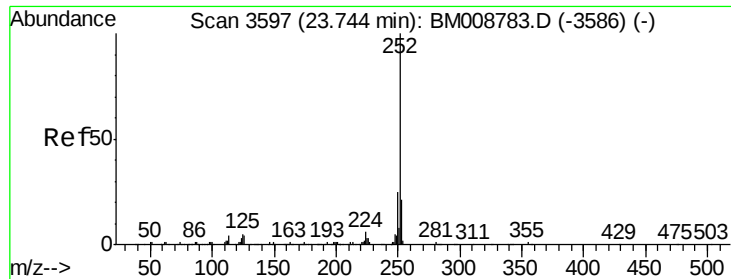
Lab File: BM008771.D

Acq: 21 Jan 2017 14:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	5.3	5.5	8.3

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





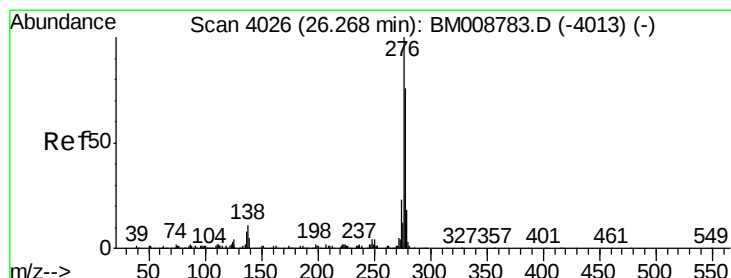
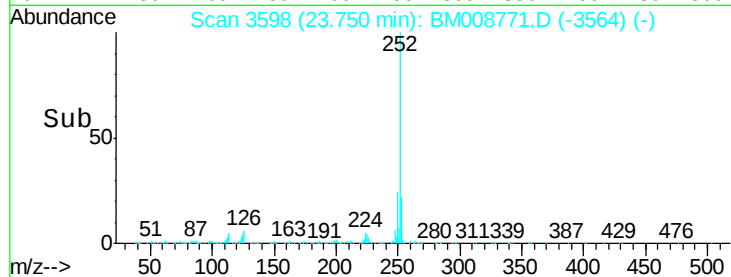
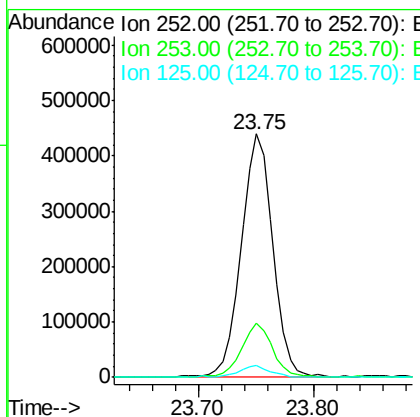
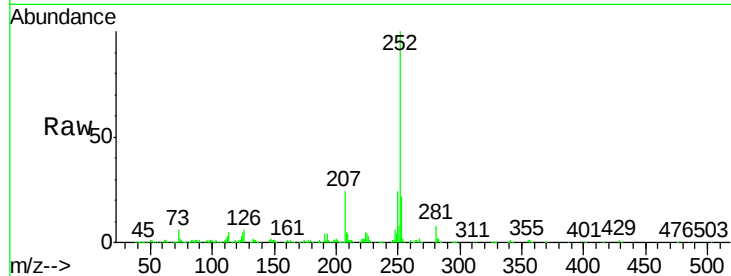
#88
Benzo(a)pyrene
Concen: 19.01 ng/ul
RT: 23.75 min Scan# 3598
Delta R.T. 0.00 min
Lab File: BM008771.D
Acq: 21 Jan 2017 14:28

Instrument :
BNA_M
ClientSampled :
DA9P2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	4.9	6.2	9.2

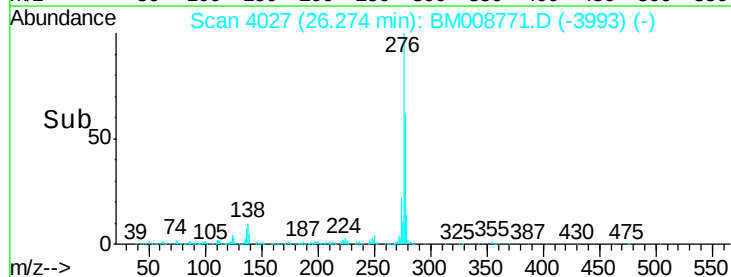
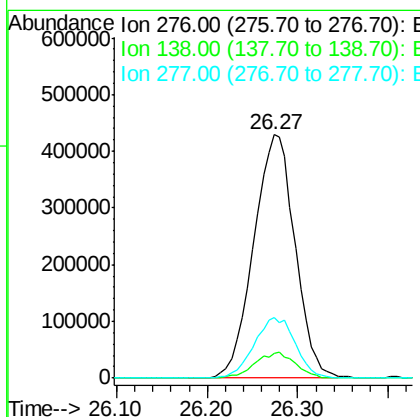
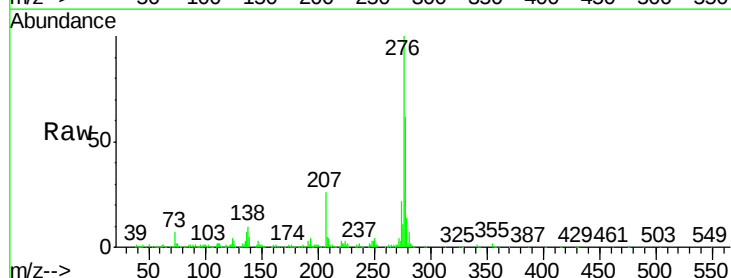
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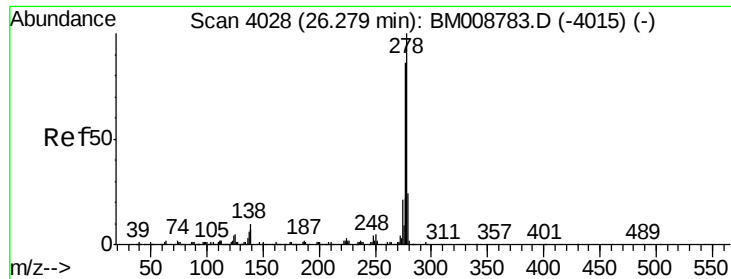
mohammad
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#89
Indeno(1,2,3-cd)pyrene
Concen: 27.57 ng/ul
RT: 26.27 min Scan# 4027
Delta R.T. 0.00 min
Lab File: BM008771.D
Acq: 21 Jan 2017 14:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.1	14.1	21.1
277	24.7	19.7	29.5





#90
Dibenzo(a,h)anthracene
Concen: 23.96 ng/ul
RT: 26.29 min Scan# 4029
Delta R.T. 0.01 min
Lab File: BM008771.D
Acq: 21 Jan 2017 14:28

Instrument :
BNA_M
ClientSampleId :
DA9P2

Tgt Ion	Ratio	Lower	Upper
278	100		
139	7.2	9.3	13.9#
279	23.6	18.9	28.3

Manual Integrations
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