

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042517\
 Data File : BM009707.D
 Acq On : 25 Apr 2017 14:48
 Operator : SJ/MA
 Sample : I2779-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X2928

Manual Integrations
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mohammad
 4/26/2017 2:20:14 PM

Quant Time: Apr 26 03:29:01 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM042517.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 25 13:32:43 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	138363	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	624181	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.47	164	424255	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	1047727	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	1319942	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	1059595	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	19484	6.48	ng/uL	0.00
5) Phenol-d5	6.99	99	455631	30.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.16	67	331740	32.37	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	312323	32.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	375129	32.01	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	164300	32.34	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	184494	34.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.24	165	356923	33.39	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	459564	35.68	ng/ul	0.00
43) Dimethylphthalate-d6	13.88	166	1237781	33.54	ng/ul	0.00
46) Acenaphthylene-d8	14.17	160	1499534	33.69	ng/ul	0.00
51) 4-Nitrophenol-d4	14.68	143	221132	31.05	ng/ul	0.00
57) Fluorene-d10	15.47	176	1092102	32.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	215156	29.11	ng/ul	0.00
70) Anthracene-d10	17.32	188	1781797	33.12	ng/ul	0.00
76) Pyrene-d10	19.62	212	2057399	35.32	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	1769253	34.33	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.02	94	280924	18.08	ng/ul#	65
10) 2-Chlorophenol	7.39	128	184813	18.88	ng/ul#	80
12) 2,2'-oxybis(1-Chloropropan	8.36	45	539849m	27.71	ng/ul	
17) Hexachloroethane	8.90	117	84586	18.60	ng/ul	93
27) 2,4-Dichlorophenol	10.27	162	206035	19.55	ng/ul#	88
28) Naphthalene	10.67	128	653364	19.65	ng/ul	96
31) Hexachlorobutadiene	10.94	225	199671	27.13	ng/ul	96
45) 2,6-Dinitrotoluene	14.06	165	216314	29.51	ng/ul#	70
49) Acenaphthene	14.54	153	589213	19.74	ng/ul	98
54) 2,4-Dinitrotoluene	14.85	165	319211	28.89	ng/ul#	69
56) Diethylphthalate	15.29	149	922472	23.17	ng/ul	97
58) Fluorene	15.52	166	701506	18.80	ng/ul	96
66) Hexachlorobenzene	16.52	284	305207	23.30	ng/ul#	93
68) Pentachlorophenol	16.87	266	338955	42.00	ng/ul#	85
71) Anthracene	17.36	178	1040269	16.51	ng/ul	97
77) Pyrene	19.64	202	1495349	20.06	ng/ul#	88
78) Butylbenzylphthalate	20.53	149	1333471	43.14	ng/ul	90
80) Benzo(a)anthracene	21.39	228	1488954	19.02	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.30	149	1545906	33.01	ng/ul	98
82) Chrysene	21.44	228	1447513	20.55	ng/ul	99
85) Benzo(b)fluoranthene	23.02	252	2345598	34.09	ng/ul#	97
86) Benzo(k)fluoranthene	23.06	252	1196279	18.98	ng/ul#	97
88) Benzo(a)pyrene	23.61	252	1160145	18.12	ng/ul#	98

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 25 13:32:43 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	26.08	276	1805964	26.06	ng/ul#	89
90) Dibenzo(a,h)anthracene	26.08	278	1352448	22.91	ng/ul#	95

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

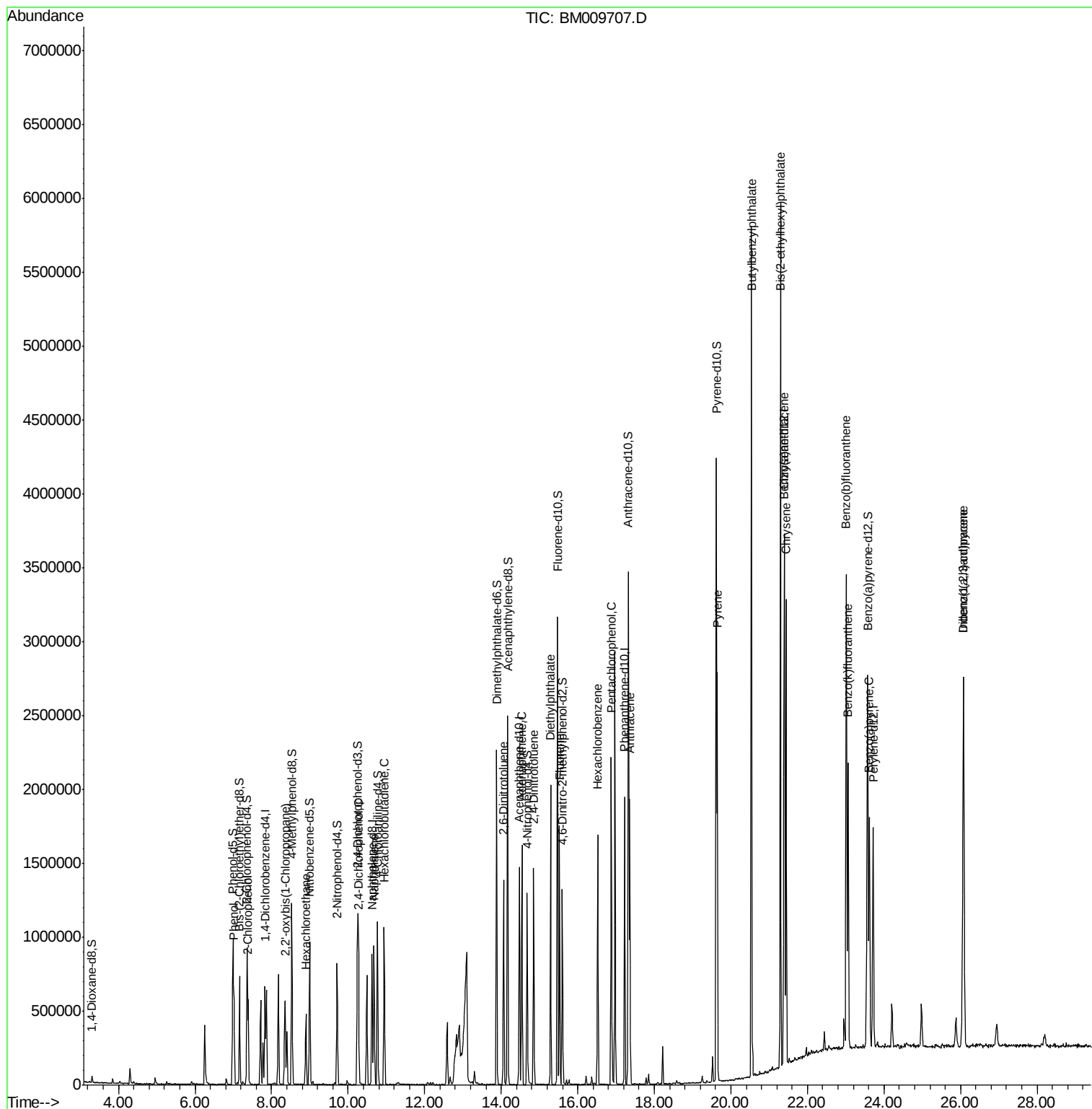
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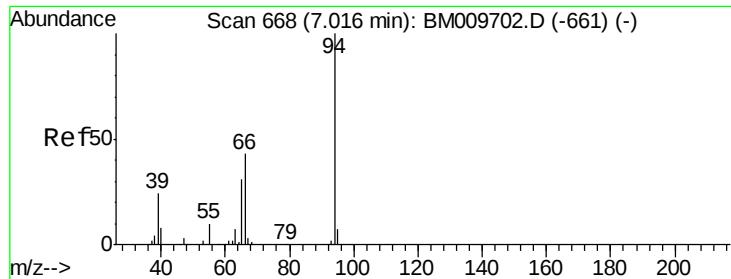
Instrument :
BNA_M
ClientSampled :
X2928

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#6

Phenol

Concen: 18.08 ng/ul

RT: 7.02 min Scan# 668

Delta R.T. -0.00 min

Lab File: BM009707.D

Acq: 25 Apr 2017 14:48

Instrument :

BNA_M

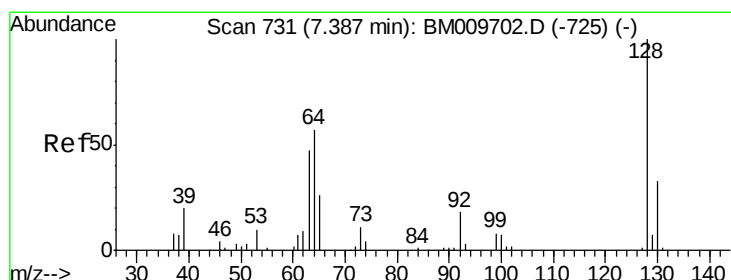
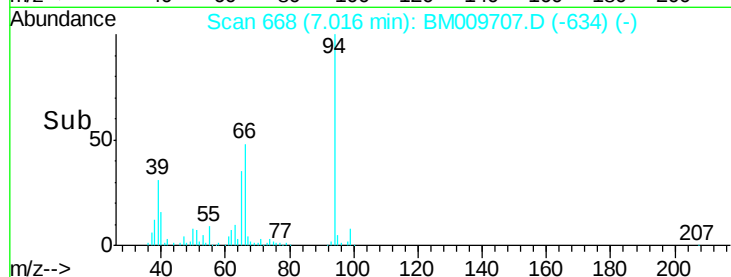
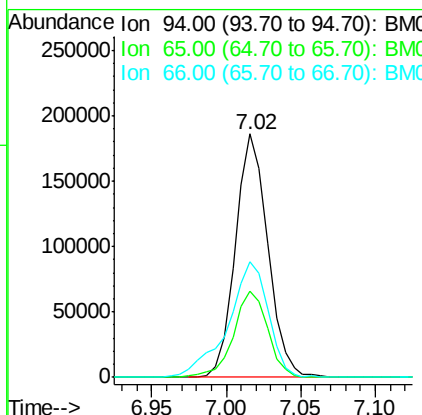
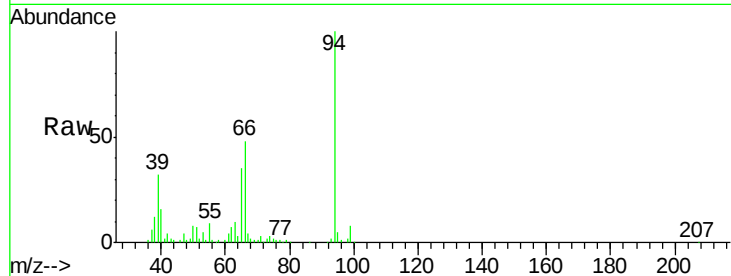
ClientSampled :

X2928

Tgt Ion:	94	Resp:	280924
Ion Ratio	Lower	Upper	
94	100		
65	35.5	39.8	59.6#
66	47.7	69.9	104.9#

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#10

2-Chlorophenol

Concen: 18.88 ng/ul

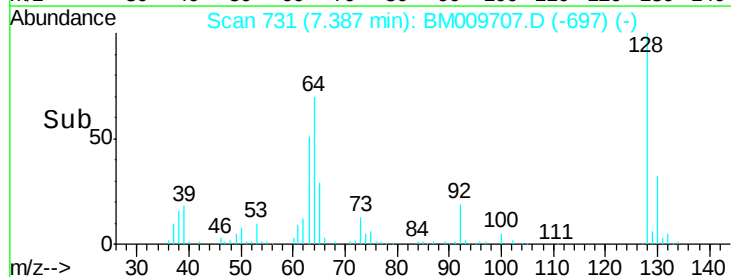
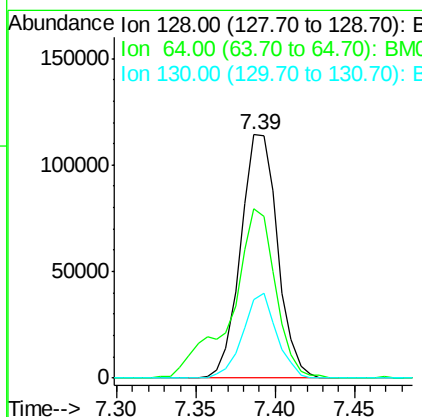
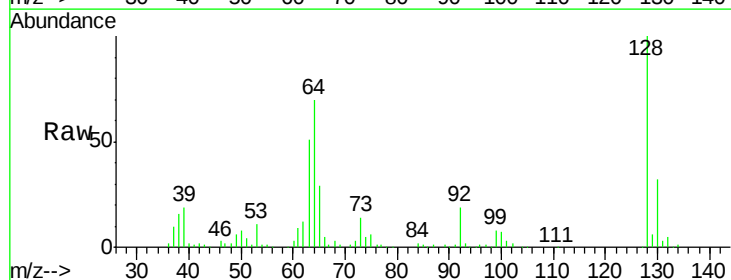
RT: 7.39 min Scan# 731

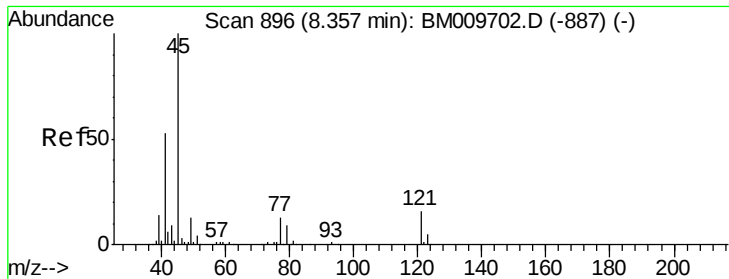
Delta R.T. -0.00 min

Lab File: BM009707.D

Acq: 25 Apr 2017 14:48

Tgt Ion:	128	Resp:	184813
Ion Ratio	Lower	Upper	
128	100		
64	69.8	76.6	115.0#
130	32.1	26.5	39.7





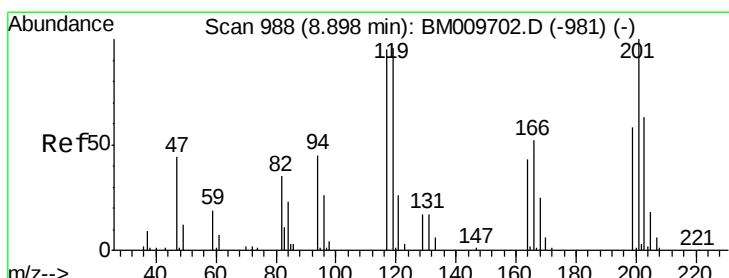
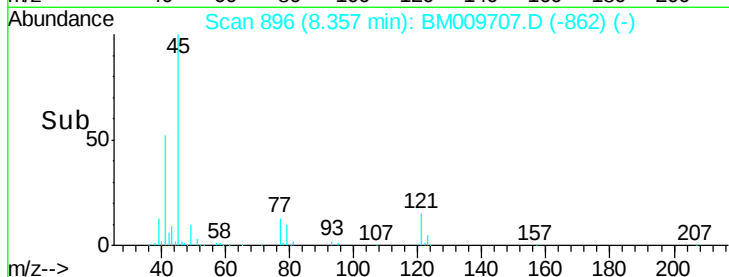
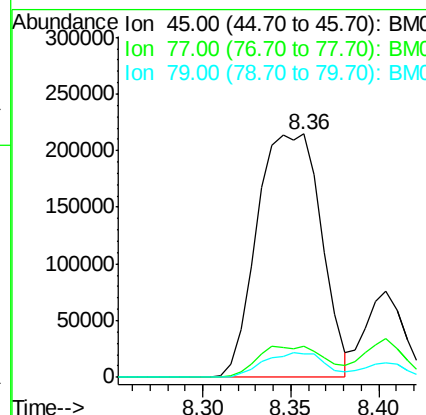
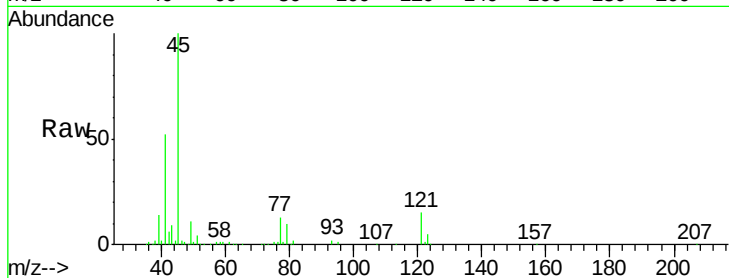
#12
2,2'-oxybis(1-chloropropane)
Concen: 27.71 ng/ul m
RT: 8.36 min Scan# 896
Delta R.T. -0.00 min
Lab File: BM009707.D
Acq: 25 Apr 2017 14:48

Instrument :
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ClientSampled :
X2928

Tgt Ion	Ratio	Lower	Upper
45	100		
77	12.9	11.9	17.9
79	9.8	9.7	14.5

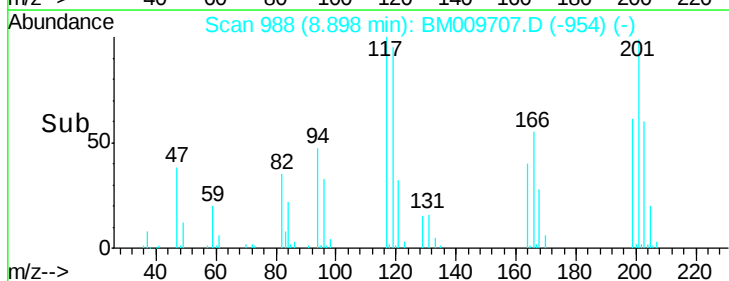
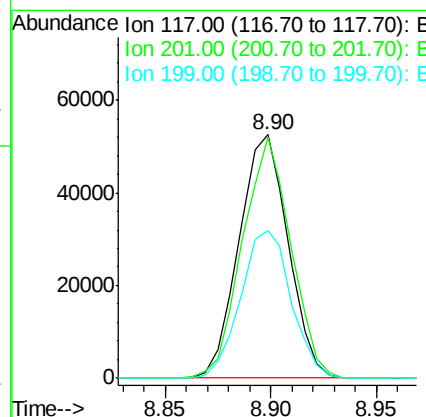
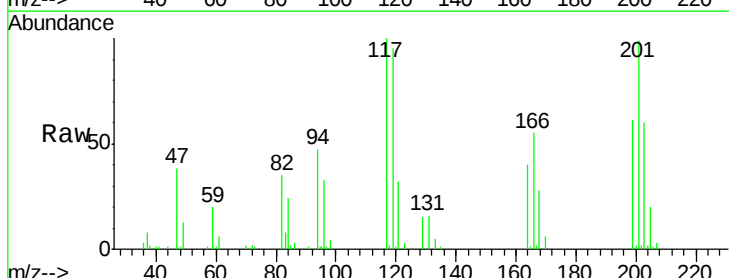
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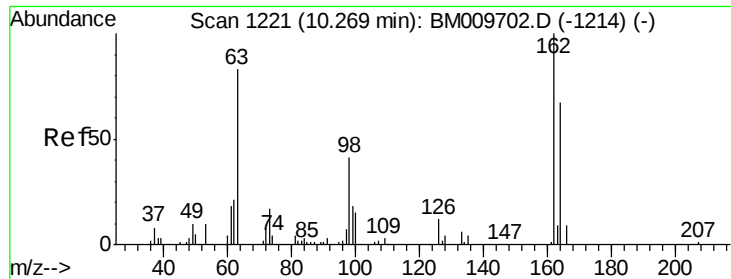
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#17
Hexachloroethane
Concen: 18.60 ng/ul
RT: 8.90 min Scan# 988
Delta R.T. -0.00 min
Lab File: BM009707.D
Acq: 25 Apr 2017 14:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.9	71.0	106.6
199	60.5	47.8	71.8





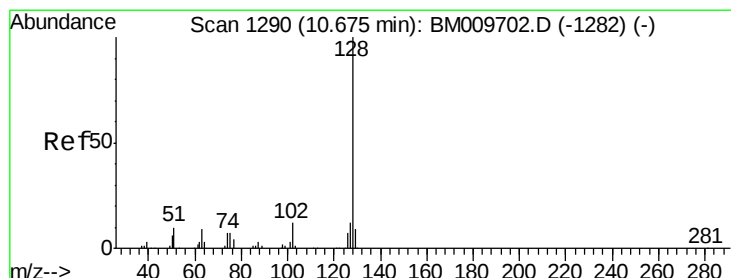
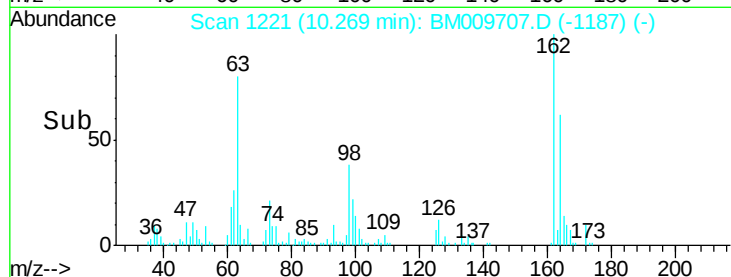
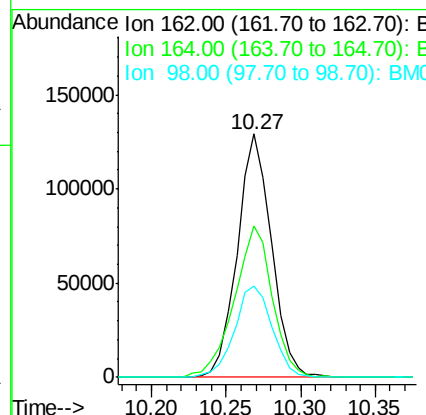
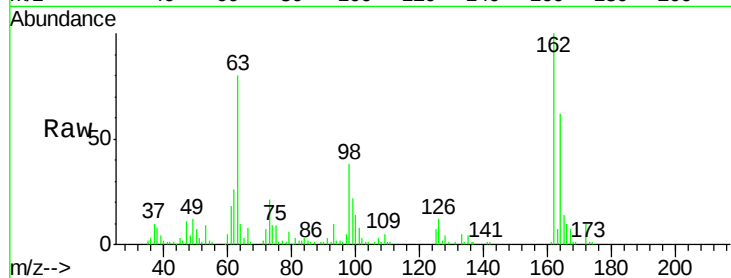
#27
 2,4-Dichlorophenol
 Concen: 19.55 ng/ul
 RT: 10.27 min Scan# 1221
 Delta R.T. -0.00 min
 Lab File: BM009707.D
 Acq: 25 Apr 2017 14:48

Instrument :
 BNA_M
 ClientSampleId :
 X2928

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	62.3	52.9	79.3
98	37.5	42.0	63.0

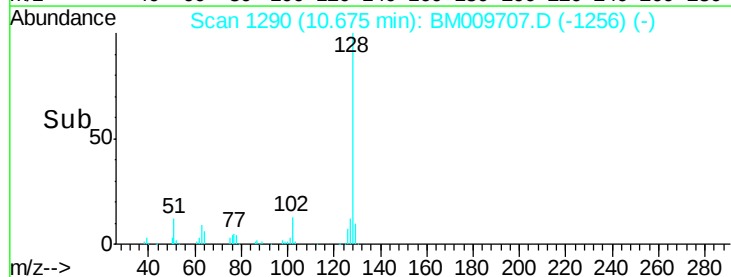
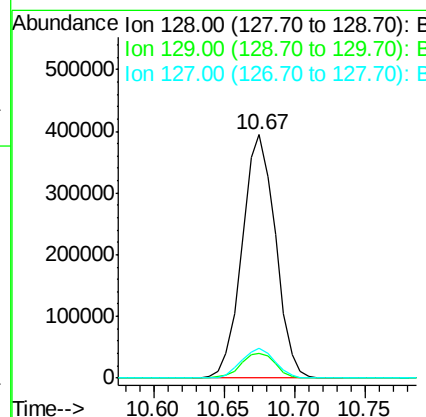
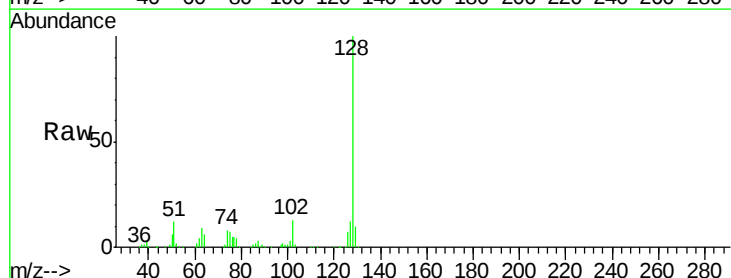
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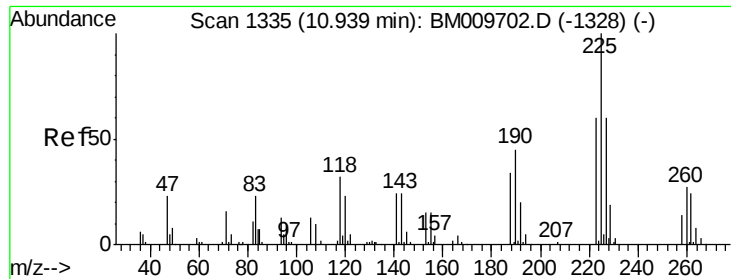
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#28
 Naphthalene
 Concen: 19.65 ng/ul
 RT: 10.67 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: BM009707.D
 Acq: 25 Apr 2017 14:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	10.0	9.7	14.5
127	12.1	10.2	15.4





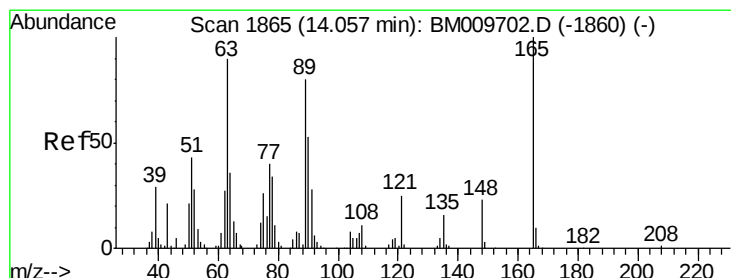
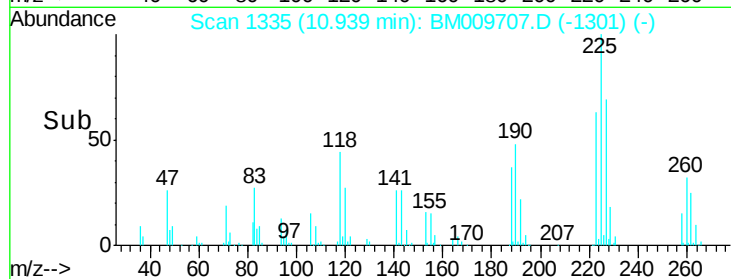
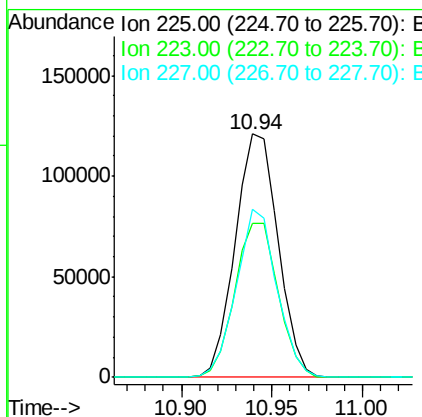
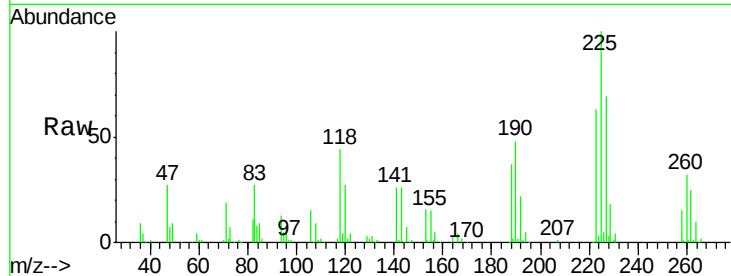
#31
Hexachlorobutadiene
Concen: 27.13 ng/ul
RT: 10.94 min Scan# 1335
Delta R.T. -0.00 min
Lab File: BM009707.D
Acq: 25 Apr 2017 14:48

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Tgt Ion	Ratio	Resp	Lower	Upper
225	100	199671		
223	63.5	50.4	75.6	
227	68.9	51.0	76.4	

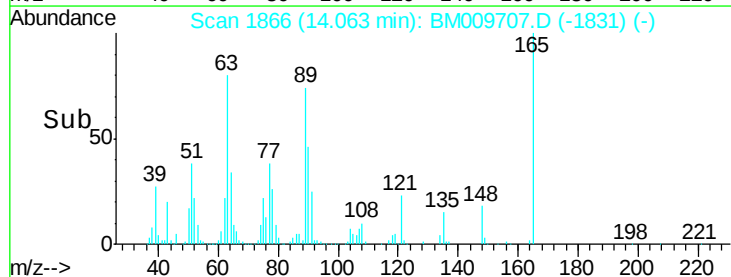
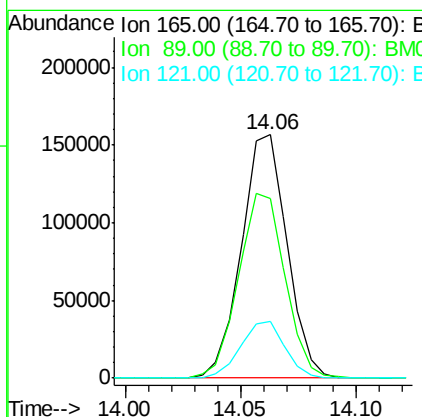
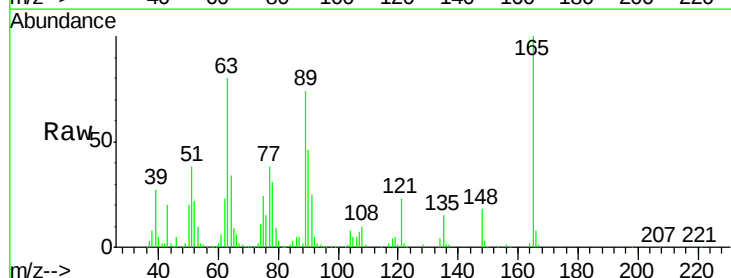
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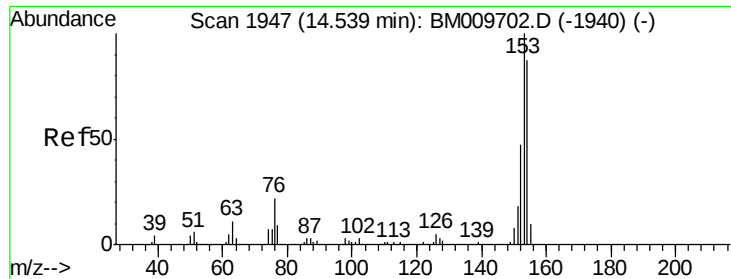
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#45
2,6-Dinitrotoluene
Concen: 29.51 ng/ul
RT: 14.06 min Scan# 1866
Delta R.T. 0.01 min
Lab File: BM009707.D
Acq: 25 Apr 2017 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	216314		
89	73.8	89.4	134.0#	
121	23.3	21.6	32.4	





#49

Acenaphthene

Concen: 19.74 ng/ul

RT: 14.54 min Scan# 1947

Delta R.T. -0.00 min

Lab File: BM009707.D

Acq: 25 Apr 2017 14:48

Instrument :

BNA_M

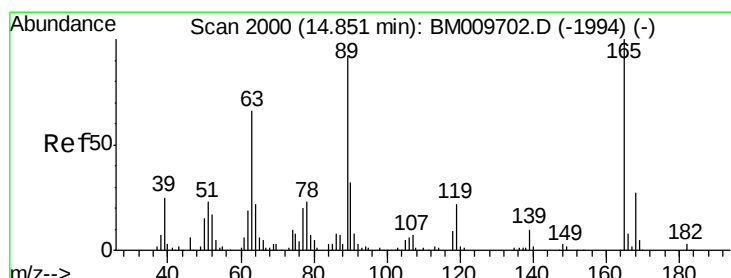
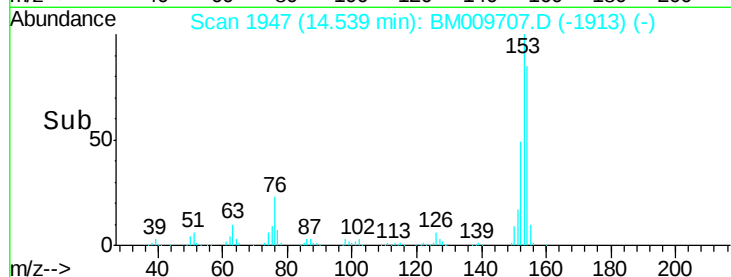
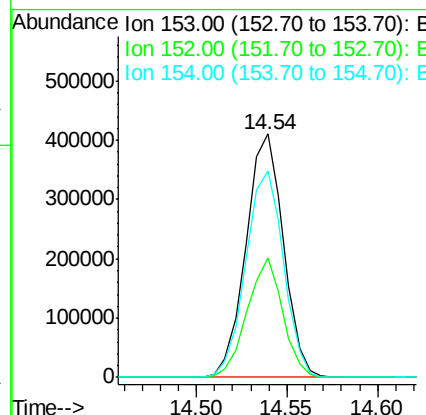
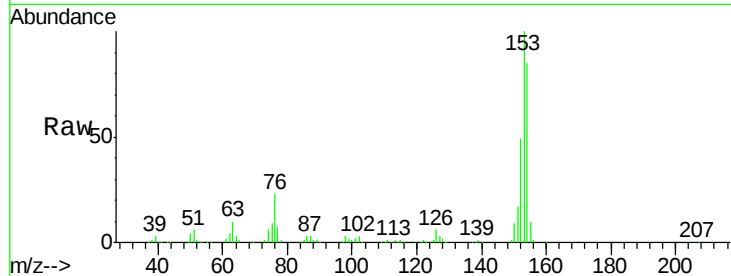
ClientSampleId :

X2928

Tgt Ion:	153	Resp:	589213
Ion Ratio	Lower	Upper	
153	100		
152	49.2	36.7	55.1
154	84.7	68.3	102.5

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#54

2,4-Dinitrotoluene

Concen: 28.89 ng/ul

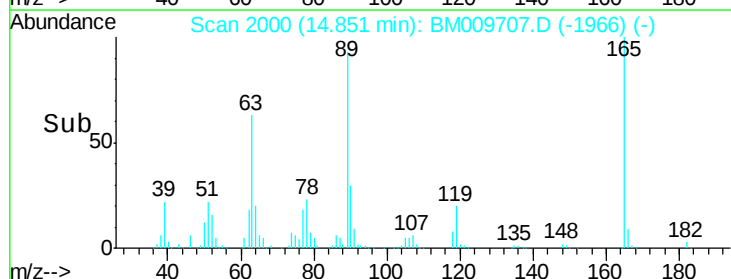
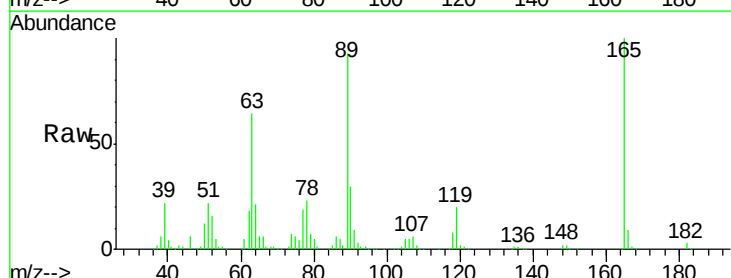
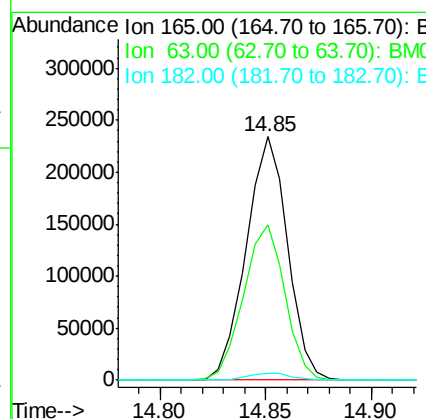
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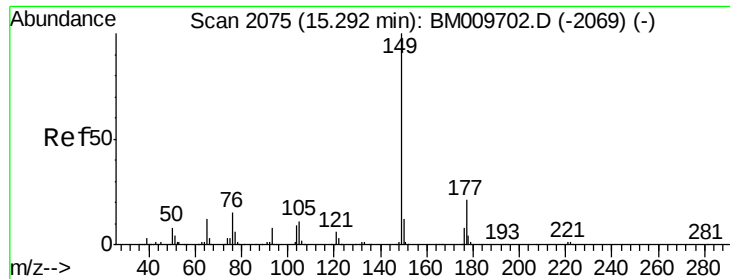
Delta R.T. -0.00 min

Lab File: BM009707.D

Acq: 25 Apr 2017 14:48

Tgt Ion:	165	Resp:	319211
Ion Ratio	Lower	Upper	
165	100		
63	63.6	75.7	113.5#
182	3.0	1.7	2.5#





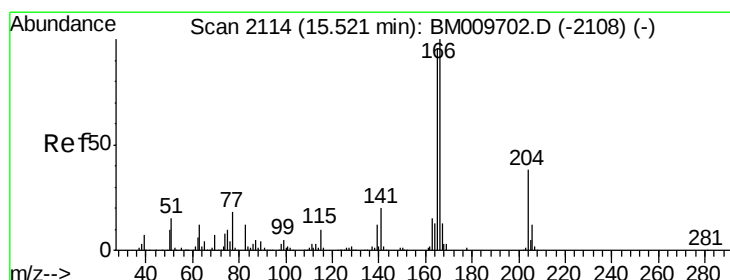
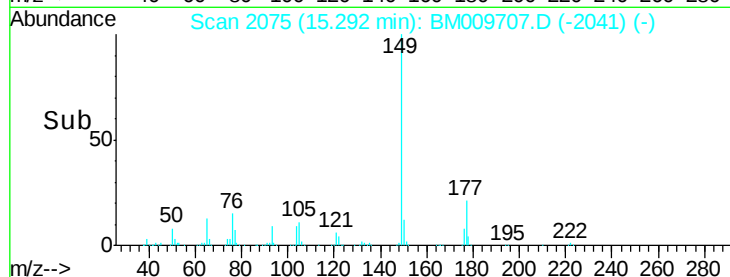
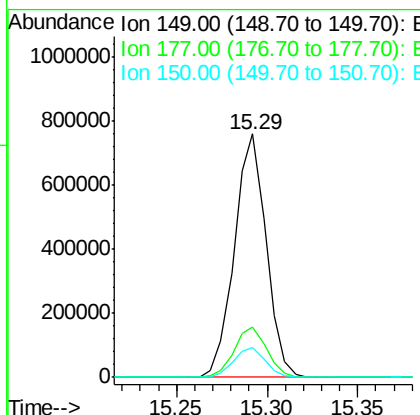
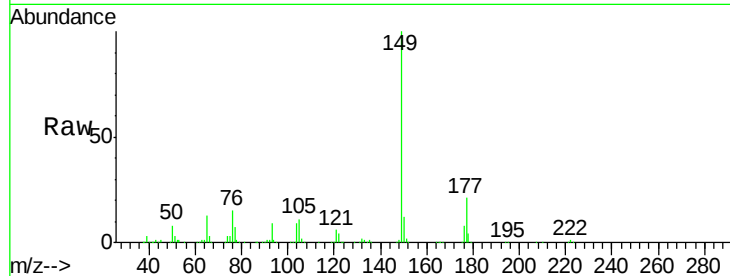
#56
Diethylphthalate
Concen: 23.17 ng/ul
RT: 15.29 min Scan# 2075
Delta R.T. -0.00 min
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Acq: 25 Apr 2017 14:48

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Tgt Ion	Ratio	Resp	Lower	Upper
149	100	922472		
177	20.8	17.3	25.9	
150	12.2	11.0	16.6	

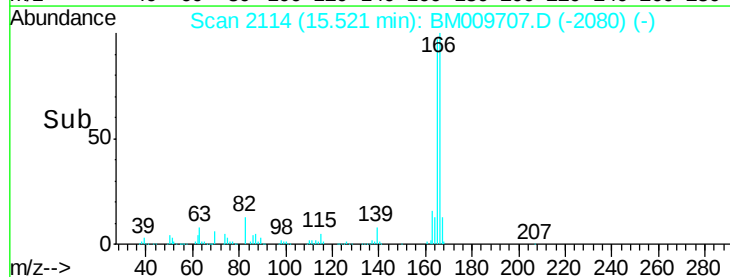
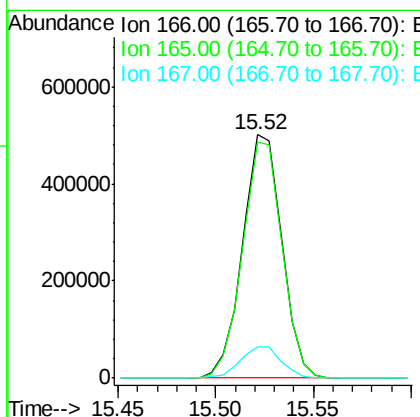
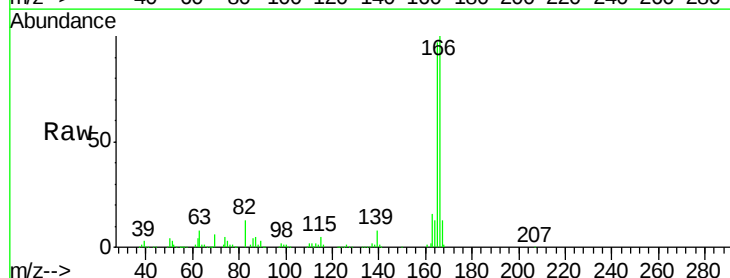
Manual Integrations
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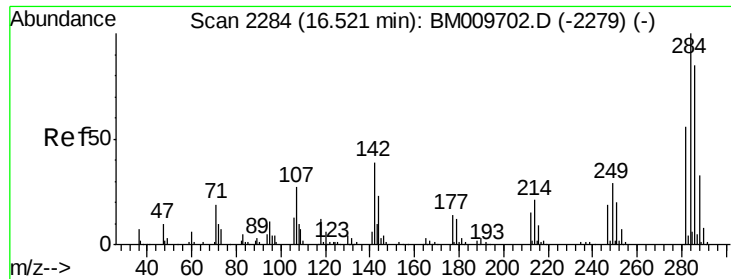
mohammad
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#58
Fluorene
Concen: 18.80 ng/ul
RT: 15.52 min Scan# 2114
Delta R.T. -0.00 min
Lab File: BM009707.D
Acq: 25 Apr 2017 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	701506		
165	96.8	81.0	121.6	
167	12.9	10.5	15.7	





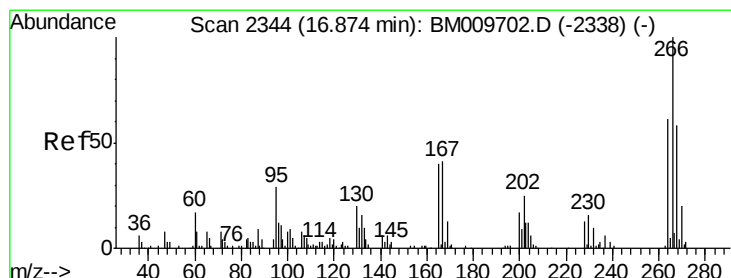
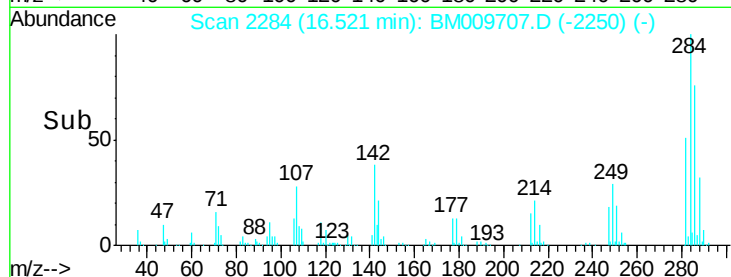
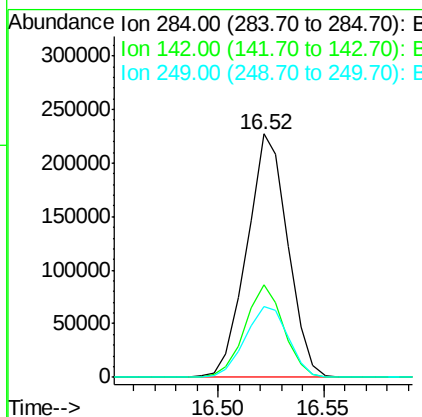
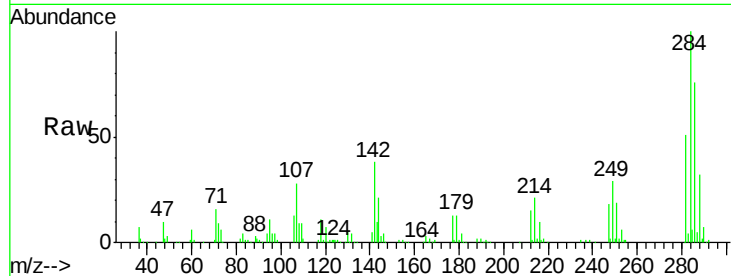
#66
Hexachlorobenzene
Concen: 23.30 ng/ul
RT: 16.52 min Scan# 2284
Delta R.T. -0.00 min
Lab File: BM009707.D
Acq: 25 Apr 2017 14:48

Instrument :
BNA_M
ClientSampleId :
X2928

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	305207		
142	38.1	31.6	47.4	
249	28.9	29.0	43.6	

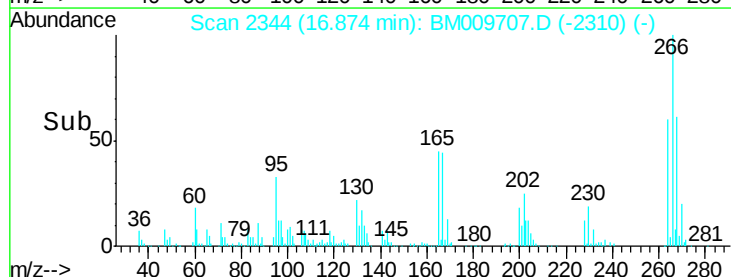
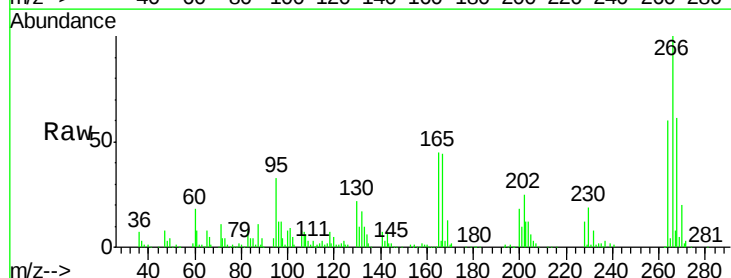
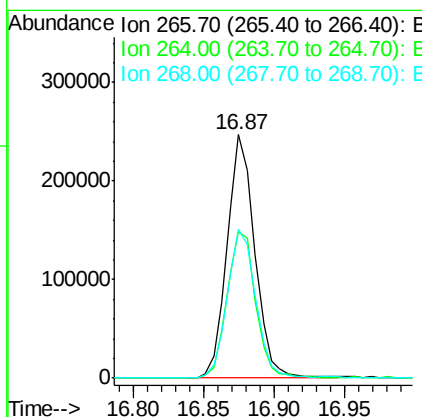
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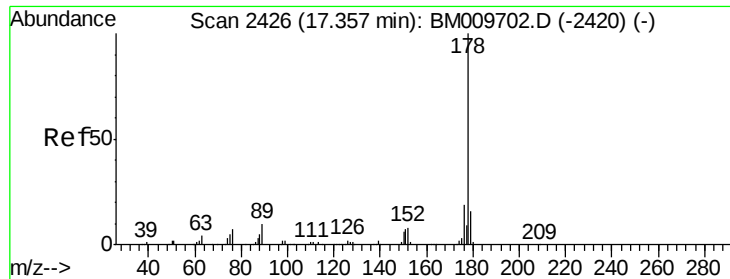
mohammad
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#68
Pentachlorophenol
Concen: 42.00 ng/ul
RT: 16.87 min Scan# 2344
Delta R.T. -0.00 min
Lab File: BM009707.D
Acq: 25 Apr 2017 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	338955		
264	60.3	54.8	82.2	
268	61.2	62.1	93.1	





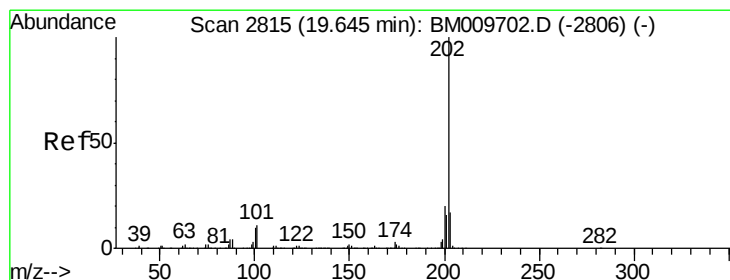
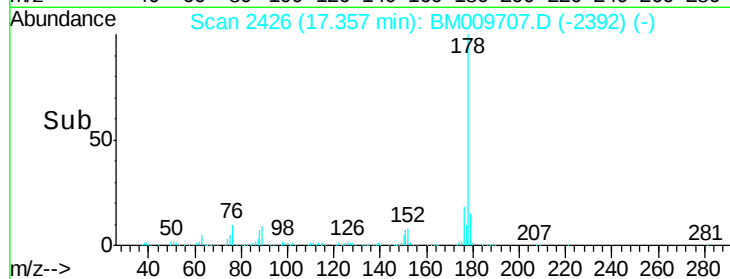
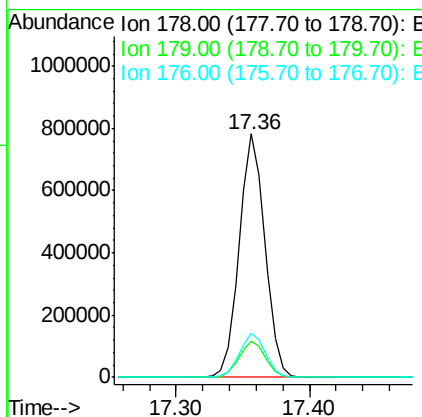
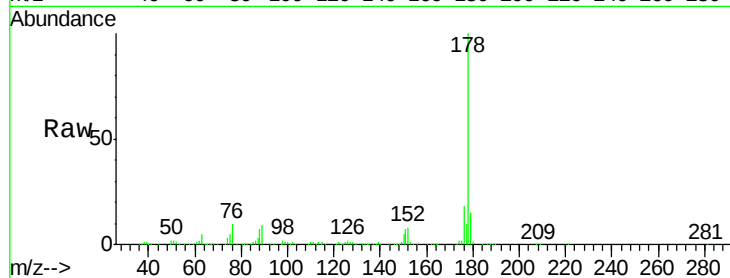
#71
 Anthracene
 Concen: 16.51 ng/ul
 RT: 17.36 min Scan# 2426
 Delta R.T. -0.00 min
 Lab File: BM009707.D
 Acq: 25 Apr 2017 14:48

Instrument :
 BNA_M
 ClientSampleId :
 X2928

Tgt Ion:178 Resp: 1040269
 Ion Ratio Lower Upper
 178 100
 179 15.1 13.1 19.7
 176 18.1 15.6 23.4

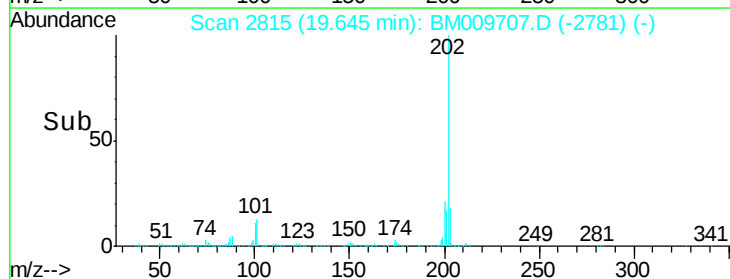
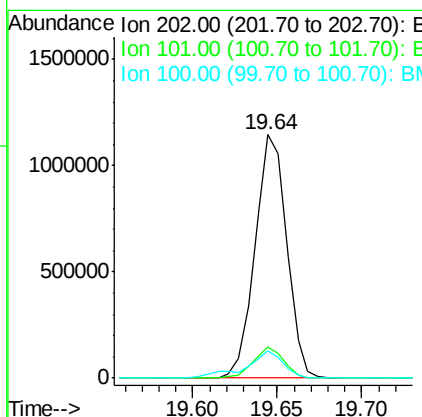
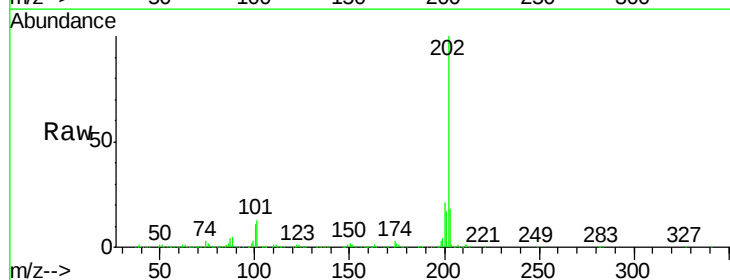
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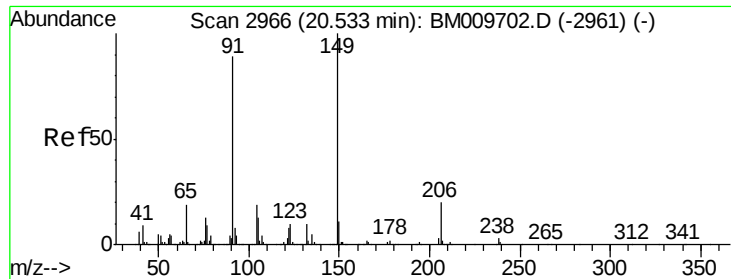
mohammad
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#77
 Pyrene
 Concen: 20.06 ng/ul
 RT: 19.64 min Scan# 2815
 Delta R.T. -0.00 min
 Lab File: BM009707.D
 Acq: 25 Apr 2017 14:48

Tgt Ion:202 Resp: 1495349
 Ion Ratio Lower Upper
 202 100
 101 12.7 6.2 9.4#
 100 11.4 6.4 9.6#





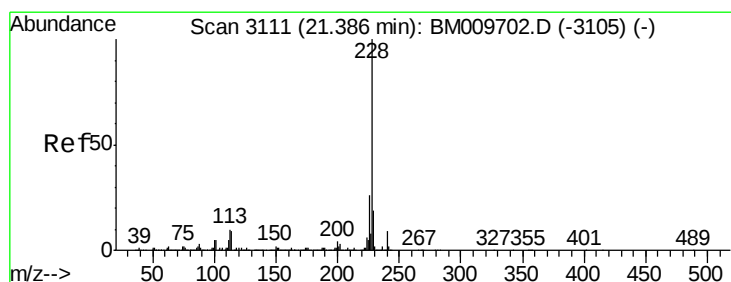
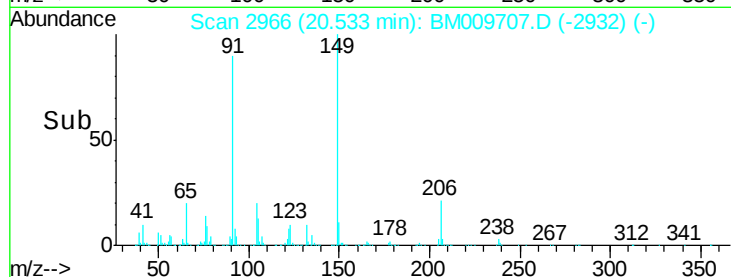
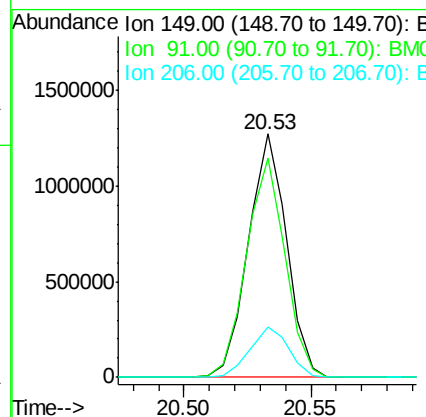
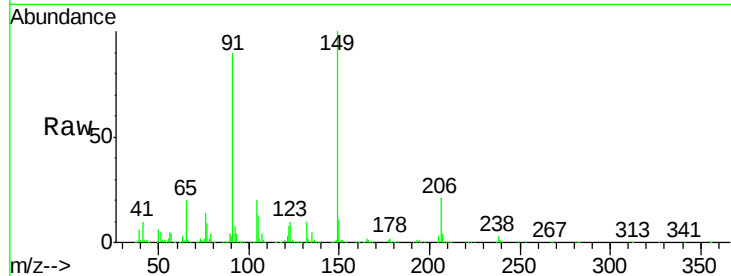
#78
Butylbenzylphthalate
Concen: 43.14 ng/ul
RT: 20.53 min Scan# 2966
Delta R.T. -0.00 min
Lab File: BM009707.D
Acq: 25 Apr 2017 14:48

Instrument :
BNA_M
ClientSampleId :
X2928

Tgt Ion	Ratio	Lower	Upper
149	100		
91	89.8	80.0	120.0
206	20.6	19.1	28.7

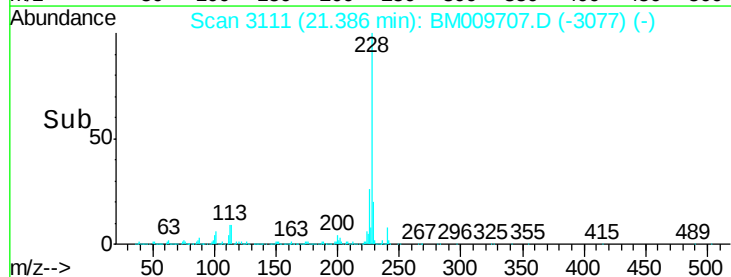
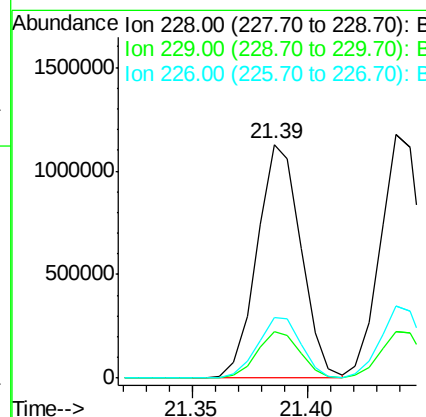
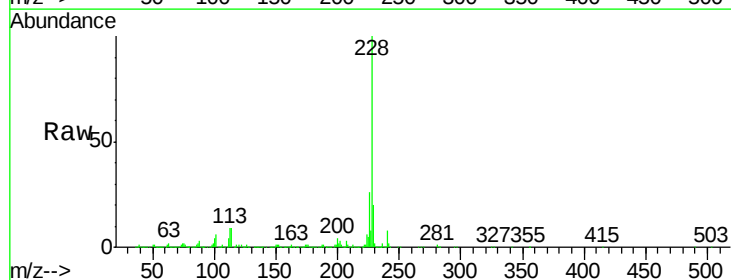
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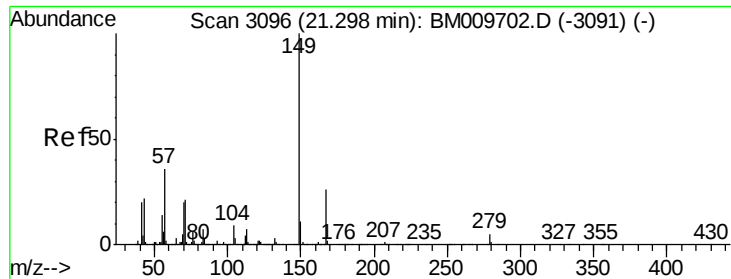
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#80
Benzo(a)anthracene
Concen: 19.02 ng/ul
RT: 21.39 min Scan# 3111
Delta R.T. -0.00 min
Lab File: BM009707.D
Acq: 25 Apr 2017 14:48

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.4	23.2
226	25.9	21.2	31.8





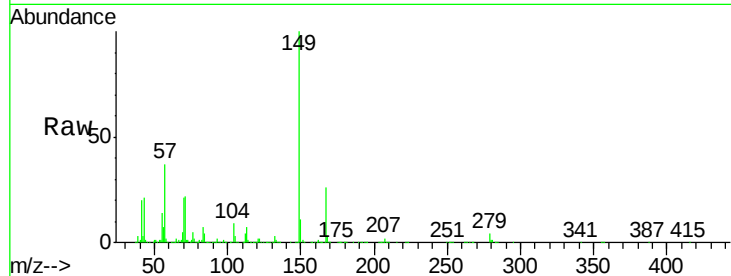
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 33.01 ng/ul
 RT: 21.30 min Scan# 3096
 Delta R.T. -0.00 min
 Lab File: BM009707.D
 Acq: 25 Apr 2017 14:48

Instrument :
 BNA_M
 ClientSampleId :
 X2928

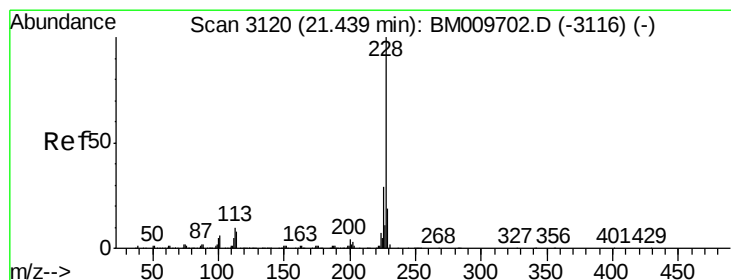
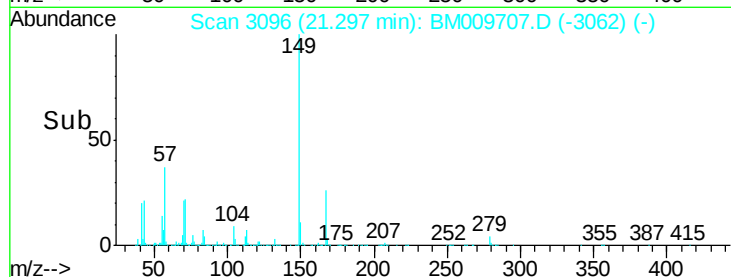
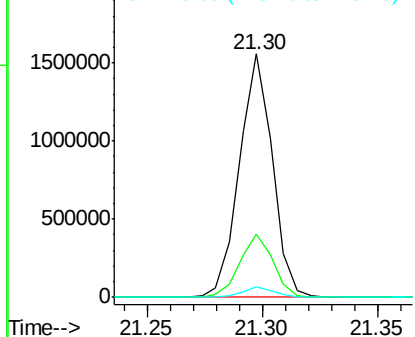
Tgt Ion:149 Resp: 1545906
 Ion Ratio Lower Upper
 149 100
 167 26.2 20.2 30.2
 279 4.4 4.0 6.0

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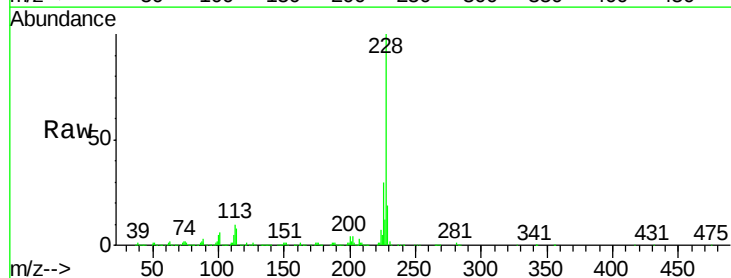


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

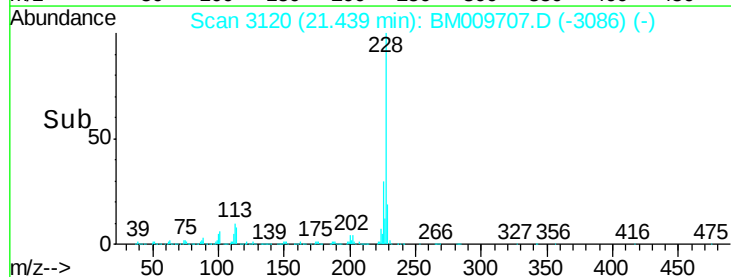
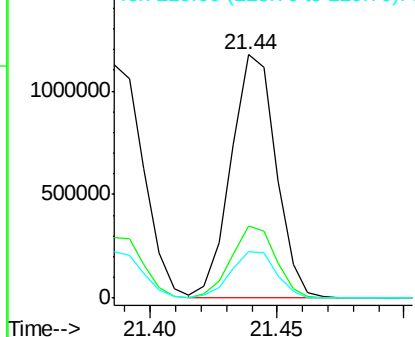


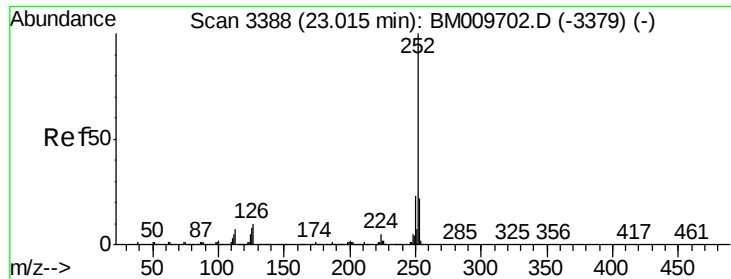
#82
 Chrysene
 Concen: 20.55 ng/ul
 RT: 21.44 min Scan# 3120
 Delta R.T. -0.00 min
 Lab File: BM009707.D
 Acq: 25 Apr 2017 14:48

Tgt Ion:228 Resp: 1447513
 Ion Ratio Lower Upper
 228 100
 226 29.7 23.9 35.9
 229 18.9 15.4 23.2



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





#85

Benzo(b)fluoranthene

Concen: 34.09 ng/ul

RT: 23.02 min Scan# 3388

Delta R.T. -0.00 min

Lab File: BM009707.D

Acq: 25 Apr 2017 14:48

Instrument :

BNA_M

ClientSampleId :

X2928

Tgt Ion:252 Resp: 2345598

Ion Ratio Lower Upper

252 100

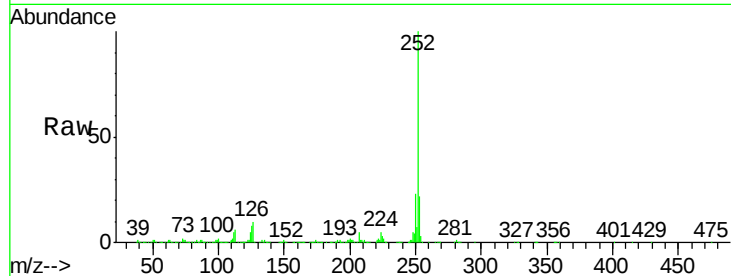
253 21.8 17.0 25.4

125 8.4 3.7 5.5#

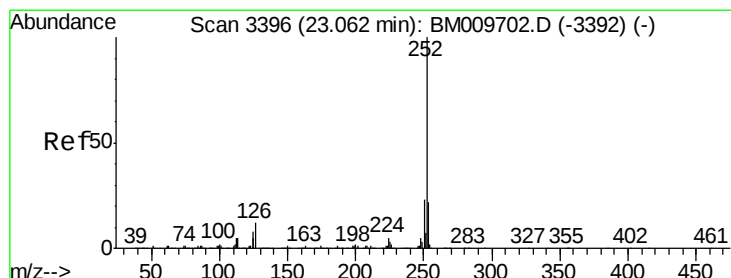
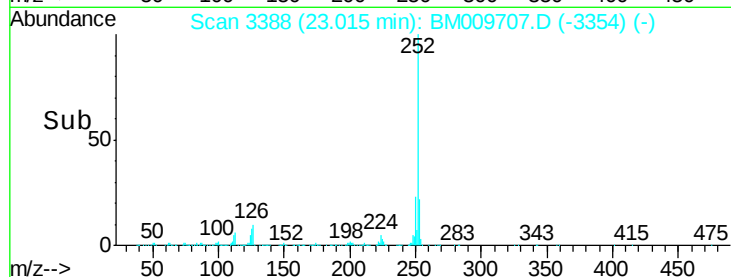
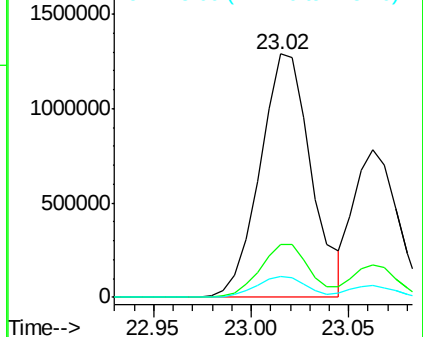
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#86

Benzo(k)fluoranthene

Concen: 18.98 ng/ul

RT: 23.06 min Scan# 3396

Delta R.T. -0.00 min

Lab File: BM009707.D

Acq: 25 Apr 2017 14:48

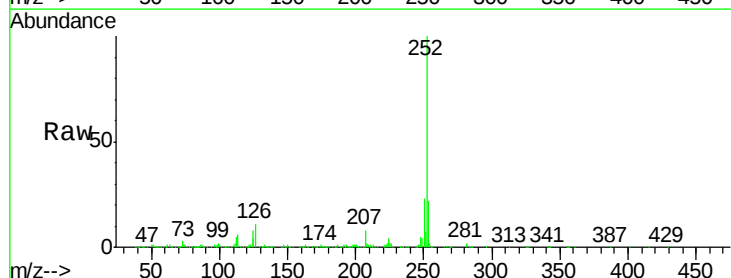
Tgt Ion:252 Resp: 1196279

Ion Ratio Lower Upper

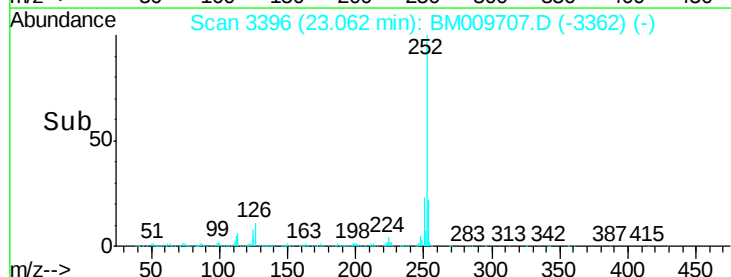
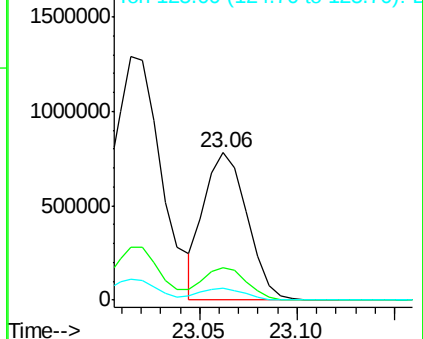
252 100

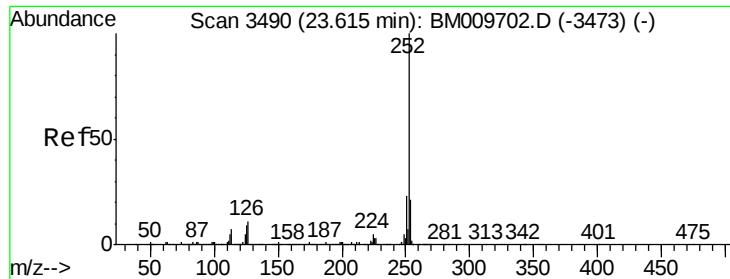
253 22.3 17.4 26.0

125 8.4 3.8 5.8#



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





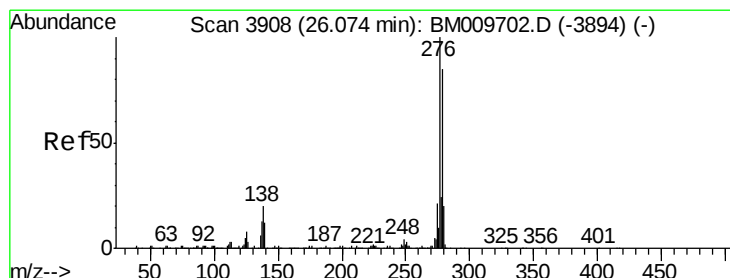
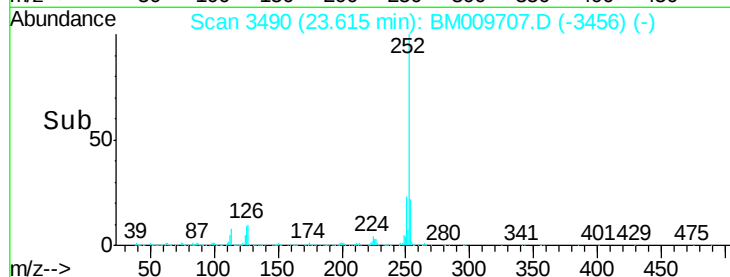
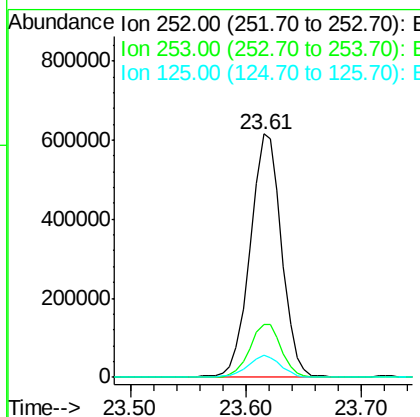
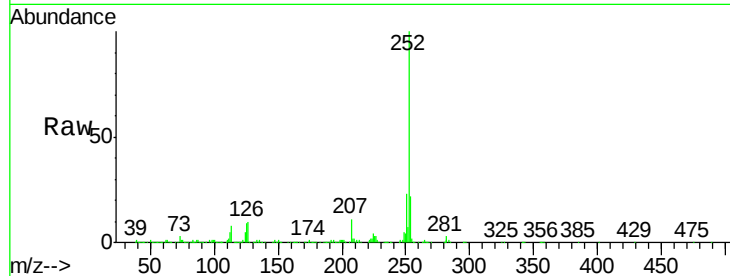
#88
Benzo(a)pyrene
Concen: 18.12 ng/ul
RT: 23.61 min Scan# 3490
Delta R.T. -0.00 min
Lab File: BM009707.D
Acq: 25 Apr 2017 14:48

Instrument :
BNA_M
ClientSampleId :
X2928

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	8.9	3.7	5.5

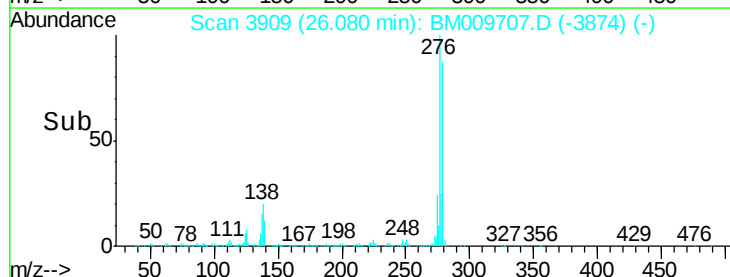
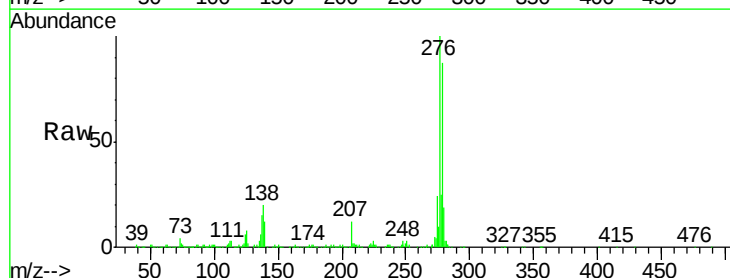
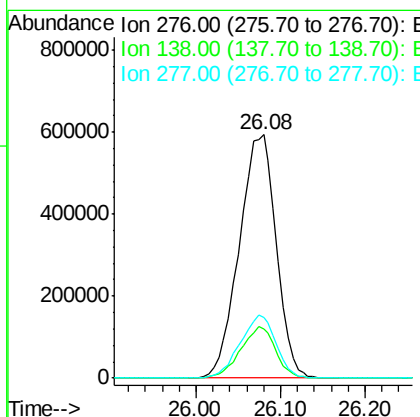
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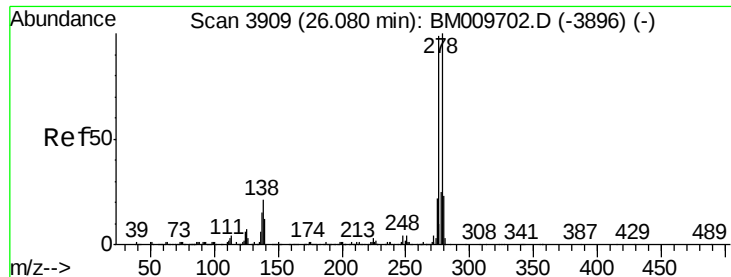
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#89
Indeno(1,2,3-cd)pyrene
Concen: 26.06 ng/ul
RT: 26.08 min Scan# 3909
Delta R.T. 0.01 min
Lab File: BM009707.D
Acq: 25 Apr 2017 14:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	8.2	12.2
277	24.7	21.5	32.3





#90
 Dibenzo(a,h)anthracene
 Concen: 22.91 ng/ul
 RT: 26.08 min Scan# 3909
 Delta R.T. -0.00 min
 Lab File: BM009707.D
 Acq: 25 Apr 2017 14:48

Instrument :
 BNA_M
 ClientSampleId :
 X2928

Tgt Ion: 278 Resp: 1352448
 Ion Ratio Lower Upper
 278 100
 139 13.4 5.8 8.8#
 279 22.0 17.9 26.9

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