

Data Path : Z:\HPCHEM1\BNA M\DATA\BM060115\
 Data File : BM001512.D
 Acq On : 01 Jun 2015 22:01
 Operator : TP/IZ
 Sample : SSTD04064
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD04064

Manual Integrations
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apatel
 6/2/2015 1:21:36 PM

Quant Time: Jun 02 01:42:48 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM060115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 02 01:26:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	103984	20.00	ng/ul	0.00
18) Naphthalene-d8	10.50	136	404235	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.36	164	237907	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.11	188	537414	20.00	ng/ul	0.00
75) Chrysene-d12	21.30	240	618355	20.00	ng/ul	0.00
83) Perylene-d12	23.55	264	610931	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.19	96	38806	17.93	ng/uL	0.00
5) Phenol-d5	6.87	99	329117	41.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	185619	38.34	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	260987	41.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	262494	40.05	ng/ul	0.00
19) Nitrobenzene-d5	8.87	128	110175	42.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.59	143	122433	41.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	271122	44.26	ng/ul	0.00
29) 4-Chloroaniline-d4	10.65	131	319854	45.06	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	711698	42.34	ng/ul	0.00
46) Acenaphthylene-d8	14.06	160	958719	42.01	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	129395	38.90	ng/ul	0.00
57) Fluorene-d10	15.36	176	664772	40.01	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.48	200	109657	34.56	ng/ul	0.00
70) Anthracene-d10	17.21	188	1012662	40.93	ng/ul	0.00
76) Pyrene-d10	19.51	212	1140092	41.87	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.41	264	1135843	41.95	ng/ul	0.00

Target Compounds

						Ovalue
2) 1,4-Dioxane	3.23	88	42404	17.60	ng/ul	95
4) Benzaldehyde	6.86	77	220870	52.61	ng/ul	98
6) Phenol	6.90	94	343945	41.46	ng/ul	98
8) Bis(2-Chloroethyl)ether	7.15	93	257749	39.54	ng/ul	98
10) 2-Chlorophenol	7.27	128	271025	41.13	ng/ul	98
11) 2-Methylphenol	8.15	108	255799	39.76	ng/ul	95
12) 2,2'-oxybis(1-Chloropropan	8.26	45	341875	30.10	ng/ul	99
14) Acetophenone	8.54	105	421763	39.39	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.53	70	221639	42.88	ng/ul	99
16) 4-Methylphenol	8.49	108	278722	39.97	ng/ul	97
17) Hexachloroethane	8.79	117	114448	40.84	ng/ul	97
20) Nitrobenzene	8.92	77	318011	44.55	ng/ul	98
21) Isophorone	9.45	82	580068	45.82	ng/ul	99
23) 2-Nitrophenol	9.62	139	135014	41.19	ng/ul	100
24) 2,4-Dimethylphenol	9.69	107	323851	44.87	ng/ul	99
25) Bis(2-Chloroethoxy)methane	9.93	93	334989	42.23	ng/ul	98
27) 2,4-Dichlorophenol	10.15	162	260735	43.49	ng/ul	98
28) Naphthalene	10.56	128	835813	40.19	ng/ul	99
30) 4-Chloroaniline	10.67	127	327591	44.91	ng/ul	99
31) Hexachlorobutadiene	10.84	225	196424	47.77	ng/ul	99
32) Caprolactam	11.45	113	78668m	40.29	ng/ul	
33) 4-Chloro-3-methylphenol	11.79	107	290761	44.89	ng/ul	99
34) 2-Methylnaphthalene	12.17	142	602170	40.25	ng/ul	98

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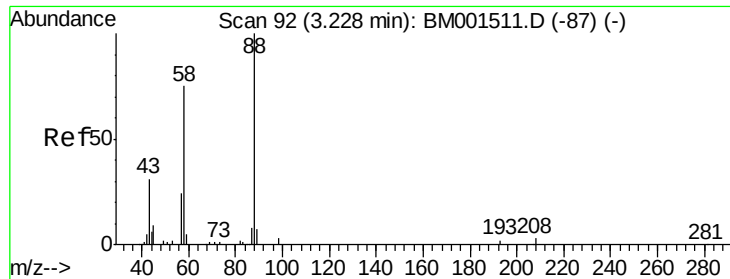
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.55	216	343113	46.03	ng/ul	94
37) Hexachlorocyclopentadiene	12.52	237	227784	50.68	ng/ul	96
38) 2,4,6-Trichlorophenol	12.79	196	210765	46.24	ng/ul	98
39) 2,4,5-Trichlorophenol	12.85	196	225091	45.10	ng/ul	99
40) 1,1'-Biphenyl	13.20	154	783582	40.92	ng/ul	99
41) 2-Chloronaphthalene	13.23	162	613927	41.32	ng/ul	99
42) 2-Nitroaniline	13.45	65	175076	43.84	ng/ul	95
44) Dimethylphthalate	13.83	163	775869	41.10	ng/ul	100
45) 2,6-Dinitrotoluene	13.95	165	144855	41.78	ng/ul	96
47) Acenaphthylene	14.09	152	988801	40.90	ng/ul	99
48) 3-Nitroaniline	14.27	138	147528	39.69	ng/ul	98
49) Acenaphthene	14.43	153	653695	40.31	ng/ul	99
50) 2,4-Dinitrophenol	14.48	184	72985	33.43	ng/ul	97
52) 4-Nitrophenol	14.58	109	125413	42.76	ng/ul	97
53) Dibenzofuran	14.77	168	924017	39.92	ng/ul	98
54) 2,4-Dinitrotoluene	14.73	165	211743	40.66	ng/ul	99
55) 2,3,4,6-Tetrachlorophenol	14.99	232	197415	45.81	ng/ul	99
56) Diethylphthalate	15.20	149	795570	40.77	ng/ul	99
58) Fluorene	15.42	166	774676	39.75	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.42	204	403264	41.76	ng/ul	99
60) 4-Nitroaniline	15.44	138	163781	40.45	ng/ul	99
63) 4,6-Dinitro-2-methylphenol	15.49	198	119534	34.98	ng/ul	93
64) N-Nitrosodiphenylamine	15.63	169	651152	41.36	ng/ul	100
65) 4-Bromophenyl-phenylether	16.31	248	242873	44.63	ng/ul	99
66) Hexachlorobenzene	16.41	284	260333	42.89	ng/ul	98
67) Atrazine	16.59	200	262391	44.81	ng/ul	97
68) Pentachlorophenol	16.76	266	157679	43.83	ng/ul	98
69) Phenanthrene	17.16	178	1182408	39.69	ng/ul	99
71) Anthracene	17.24	178	1222130	39.81	ng/ul	100
72) Carbazole	17.52	167	1094390	38.38	ng/ul	99
73) Di-n-butylphthalate	18.09	149	1323998	40.23	ng/ul	99
74) Fluoranthene	19.17	202	1436603	39.83	ng/ul	99
77) Pyrene	19.54	202	1503620	40.58	ng/ul	98
78) Butylbenzylphthalate	20.45	149	606290	41.45	ng/ul	99
79) 3,3'-Dichlorobenzidine	21.22	252	500667	41.84	ng/ul	99
80) Benzo(a)anthracene	21.29	228	1495207	41.17	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.23	149	881501	38.78	ng/ul	99
82) Chrysene	21.34	228	1412043	41.50	ng/ul	100
84) Di-n-octyl phthalate	22.12	149	1501353	34.04	ng/ul	100
85) Benzo(b)fluoranthene	22.87	252	1508413	40.35	ng/ul	99
86) Benzo(k)fluoranthene	22.92	252	1441113	40.42	ng/ul	98
88) Benzo(a)pyrene	23.46	252	1443214	41.20	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.83	276	1646928	43.59	ng/ul	99
90) Dibenzo(a,h)anthracene	25.85	278	1404822	44.21	ng/ul	98
91) Benzo(g,h,i)perylene	26.53	276	1397314	44.50	ng/ul	98

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



#2

1,4-Dioxane

Concen: 17.60 ng/uL

RT: 3.23 min Scan# 92

Delta R.T. 0.00 min

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Instrument :

BNA_M

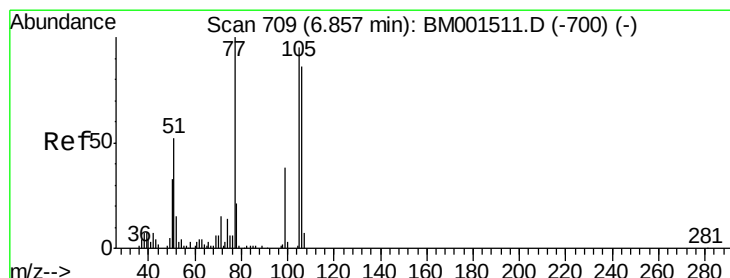
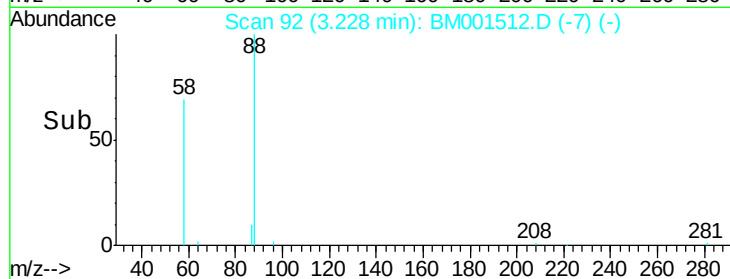
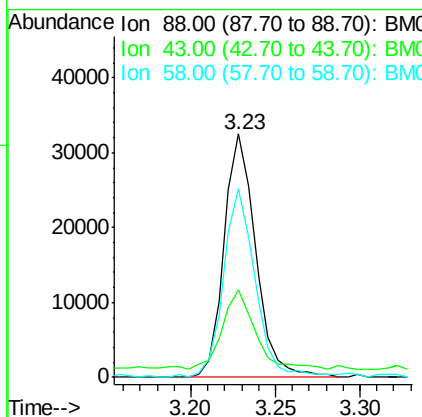
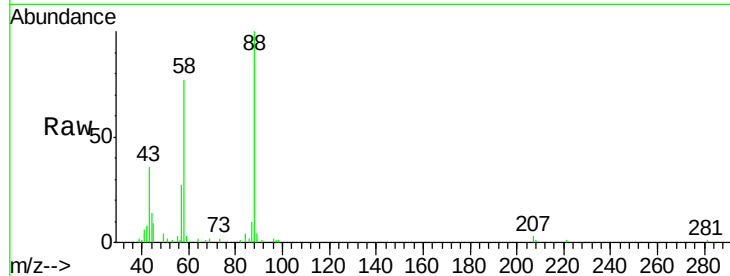
ClientSampleId :

SSTD04064

Tot Ion:	88	Resp:	42404
Ion	Ratio	Lower	Upper
88	100		
43	33.0	27.2	40.8
58	77.1	65.8	98.8

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#4

Benzaldehyde

Concen: 52.61 ng/uL

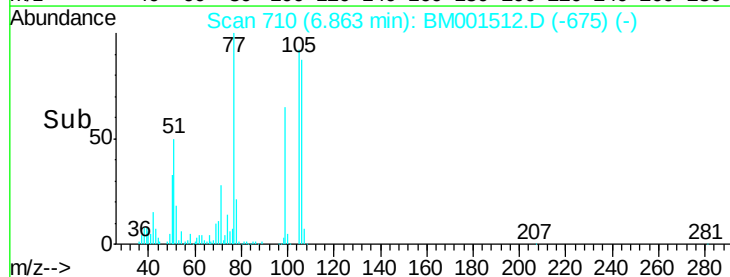
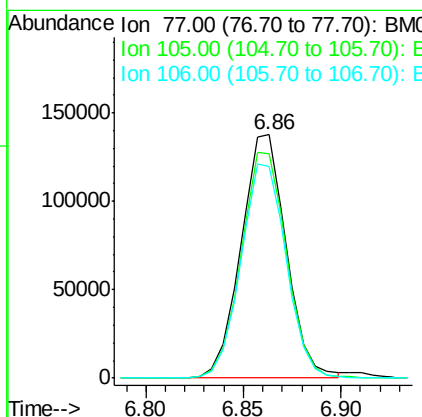
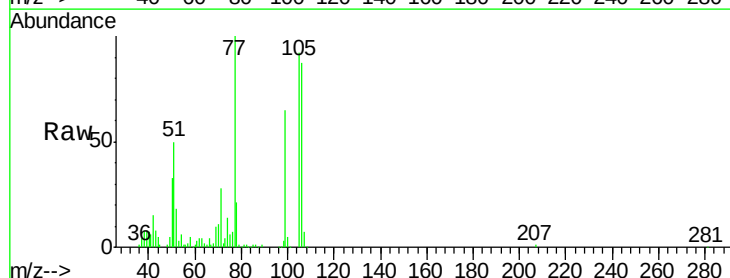
RT: 6.86 min Scan# 710

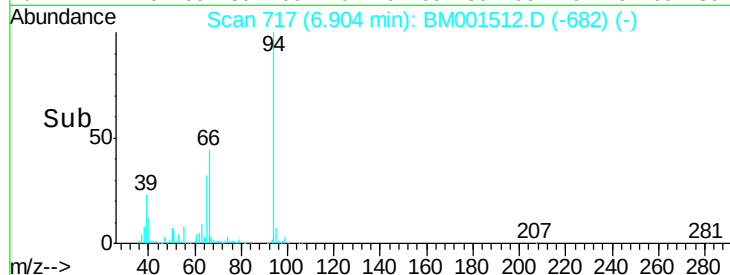
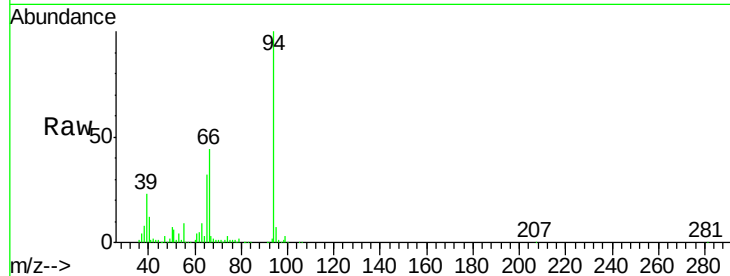
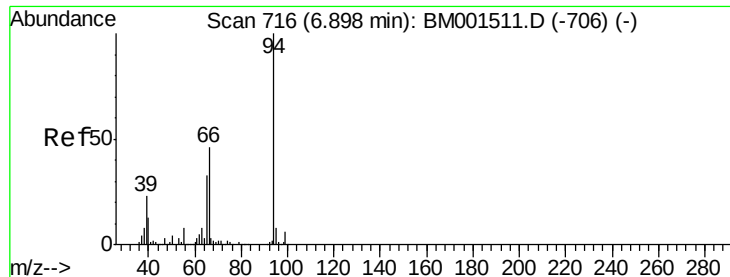
Delta R.T. 0.01 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Tgt Ion:	77	Resp:	220870
Ion	Ratio	Lower	Upper
77	100		
105	92.2	75.8	113.6
106	86.7	68.5	102.7





#6

Phenol

Concen: 41.46 ng/ul

RT: 6.90 min Scan# 717

Delta R.T. 0.01 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Tot Ion:	94	Resp:	343945
Ion	Ratio	Lower	Upper
94	100		
65	31.8	26.0	39.0
66	44.0	36.5	54.7

Instrument :

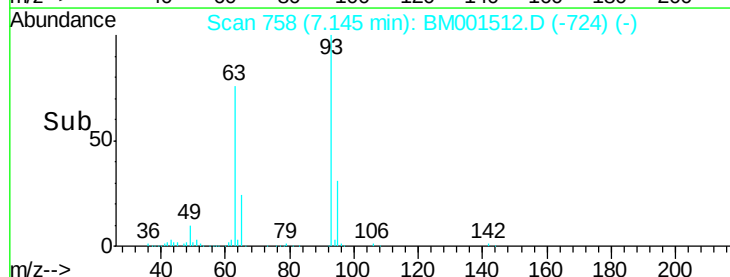
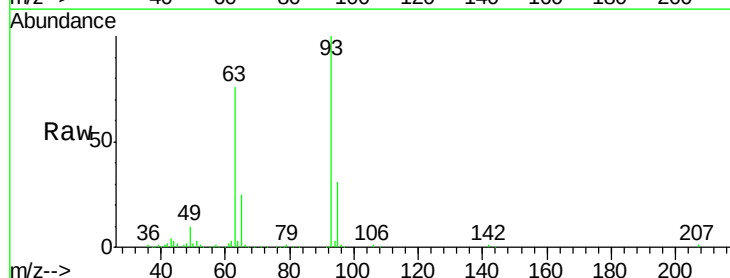
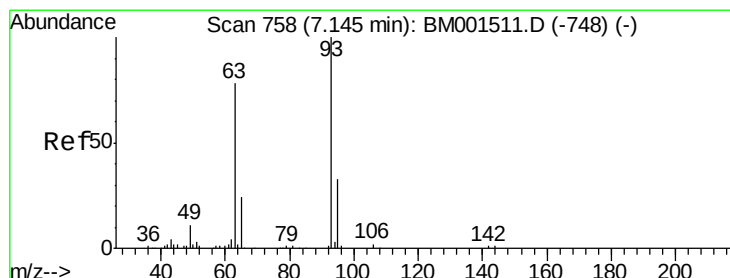
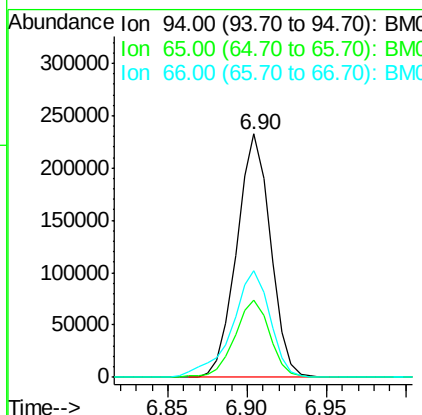
BNA_M

ClientSampleId :

SSTD04064

Manual Integrations
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#8

Bis(2-Chloroethyl)ether

Concen: 39.54 ng/ul

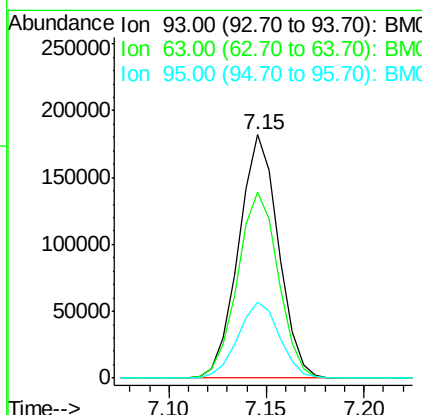
RT: 7.15 min Scan# 758

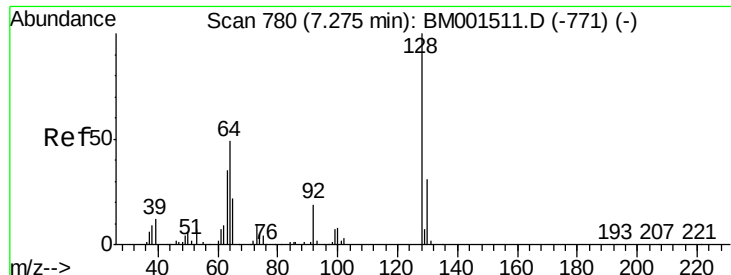
Delta R.T. 0.00 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Tgt Ion:	93	Resp:	257749
Ion	Ratio	Lower	Upper
93	100		
63	76.4	62.0	93.0
95	31.3	26.0	39.0





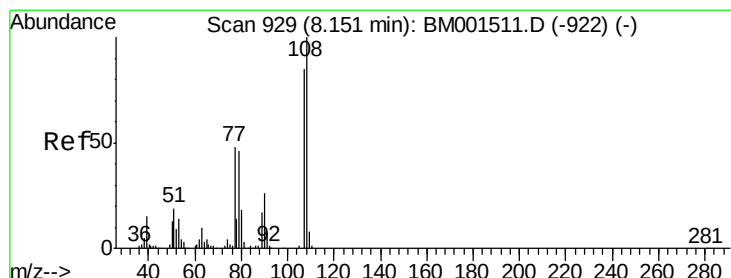
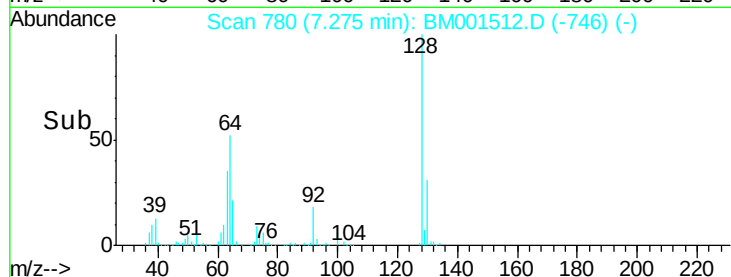
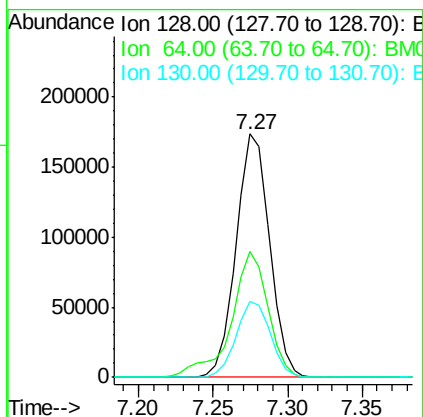
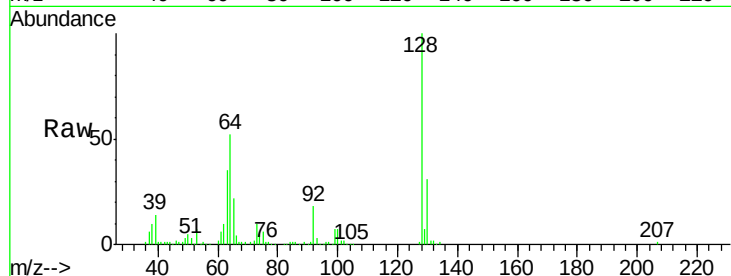
#10
2-Chlorophenol
Concen: 41.13 ng/ul
RT: 7.27 min Scan# 780
Delta R.T. 0.00 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
128	100	271025		
64	51.6		39.6	59.4
130	31.1		24.7	37.1

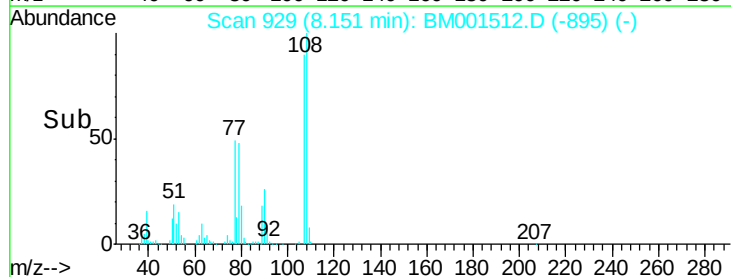
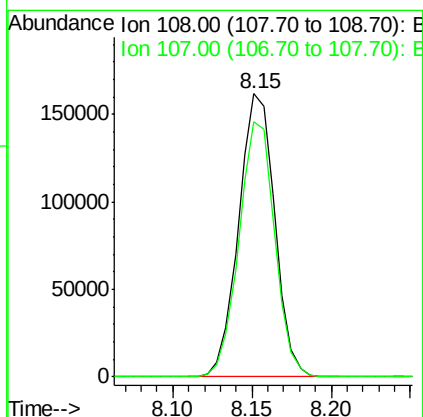
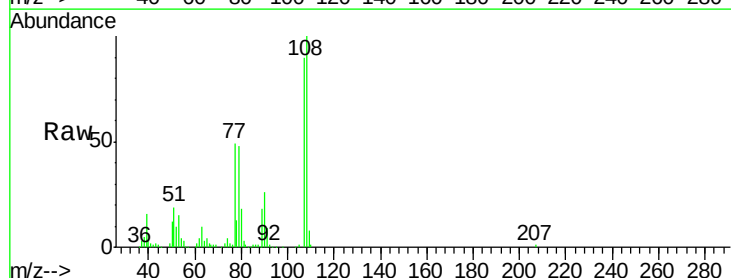
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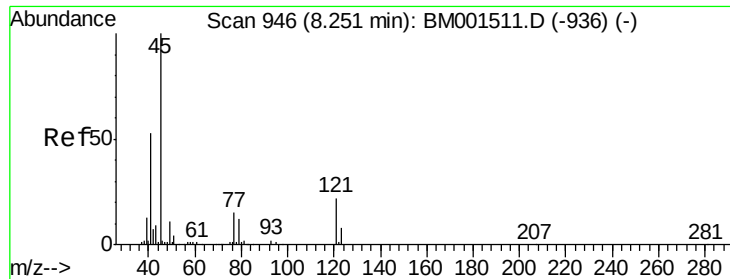
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#11
2-Methylphenol
Concen: 39.76 ng/ul
RT: 8.15 min Scan# 929
Delta R.T. 0.00 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
108	100	255799		
107	90.1		68.3	102.5





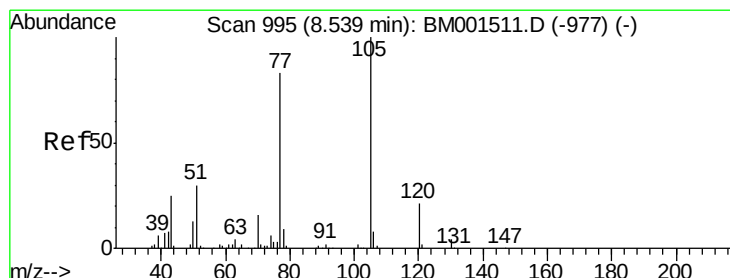
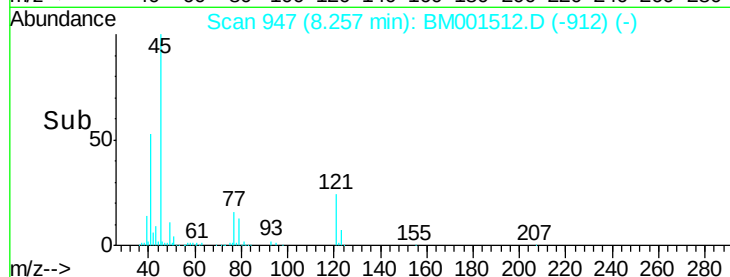
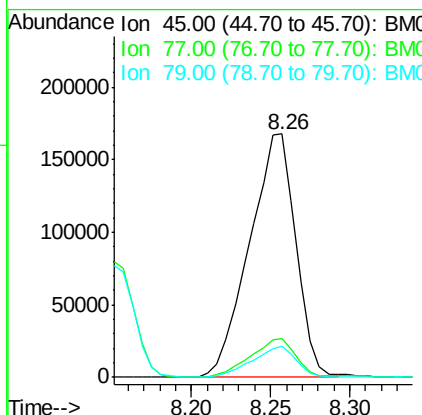
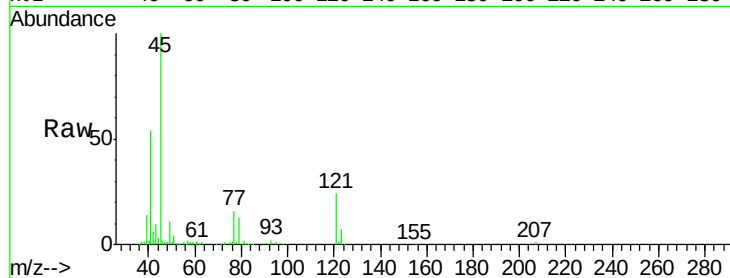
#12
2,2'-oxvbis(1-Chloropropane)
Concen: 30.10 ng/ul
RT: 8.26 min Scan# 947
Delta R.T. 0.01 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
45	100	341875		
77	16.0		12.0	18.0
79	12.6		10.0	15.0

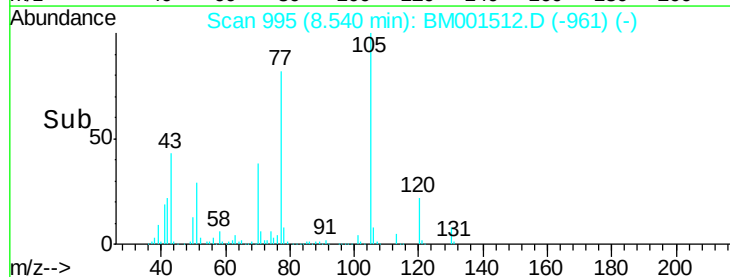
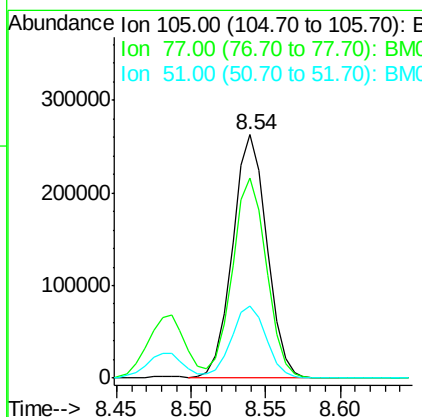
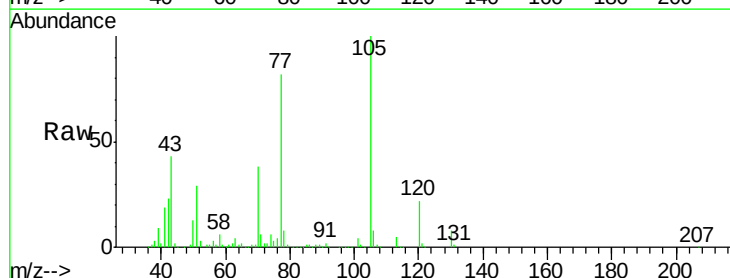
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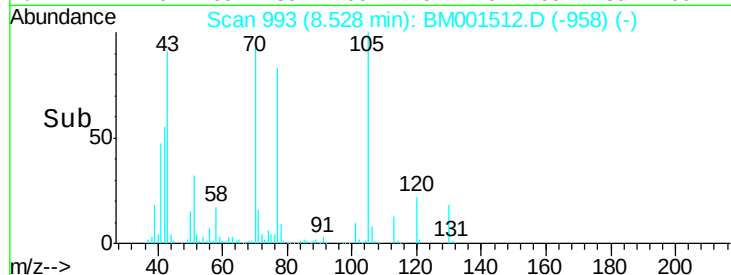
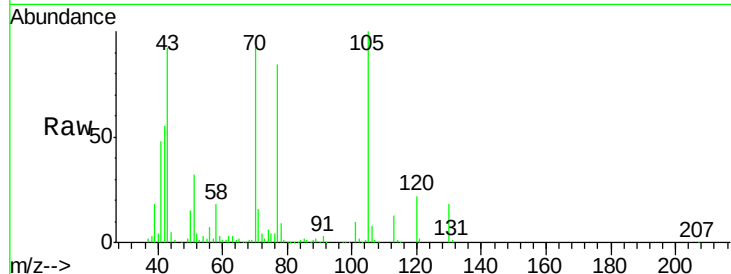
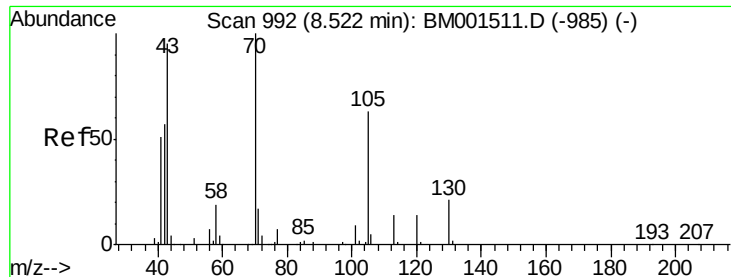
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#14
Acetophenone
Concen: 39.39 ng/ul
RT: 8.54 min Scan# 995
Delta R.T. 0.00 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	421763		
77	82.3		66.5	99.7
51	29.4		24.3	36.5





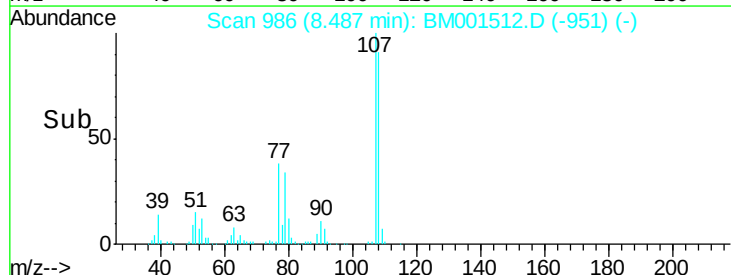
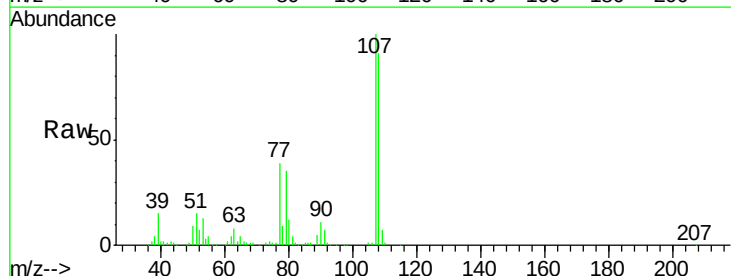
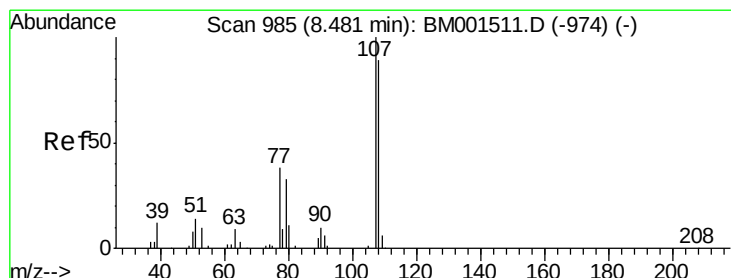
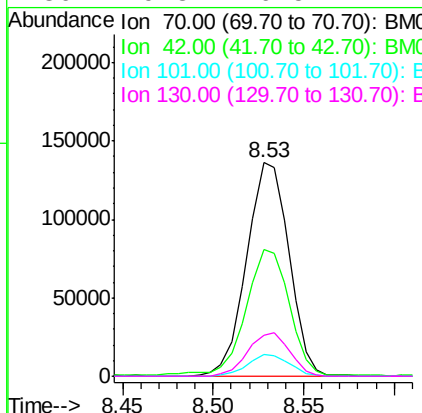
#15
N-Nitroso-di-n-propylamine
Concen: 42.88 ng/ul
RT: 8.53 min Scan# 993
Delta R.T. 0.01 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Instrument :
BNA_M
ClientSampleId :
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Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	59.3	47.4	71.0	
101	10.3	7.2	10.8	
130	19.3	16.5	24.7	

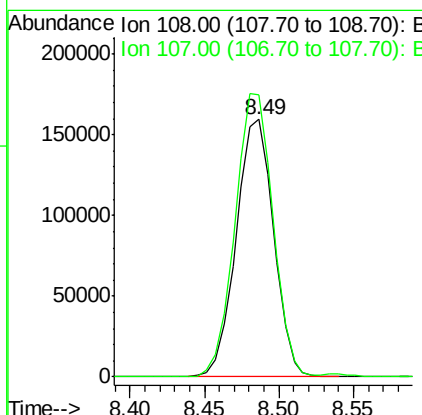
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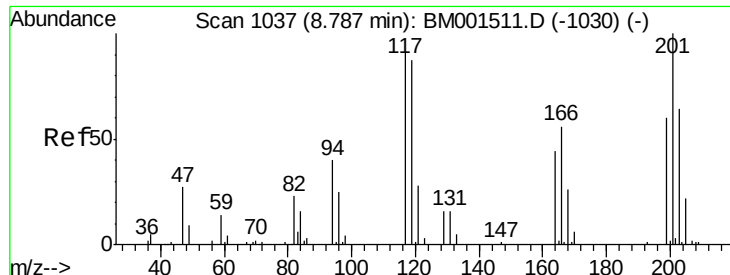
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#16
4-Methylphenol
Concen: 39.97 ng/ul
RT: 8.49 min Scan# 986
Delta R.T. 0.01 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Tgt Ion	Ion	Ratio	Lower	Upper
108	100			
107	109.7	90.4	135.6	





#17

Hexachloroethane

Concen: 40.84 ng/ul

RT: 8.79 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Instrument :

BNA_M

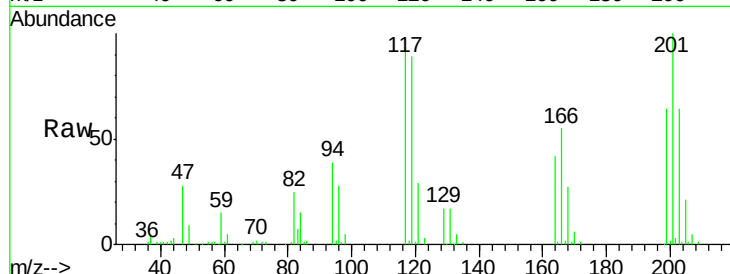
ClientSampleId :

SSTD04064

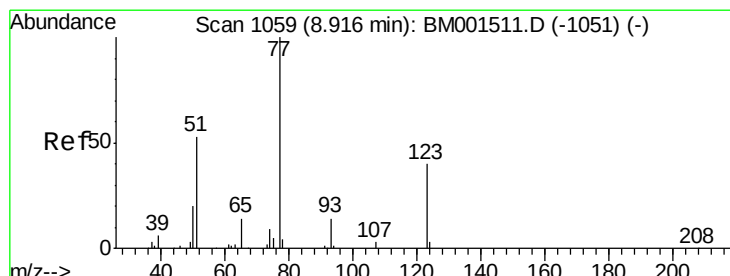
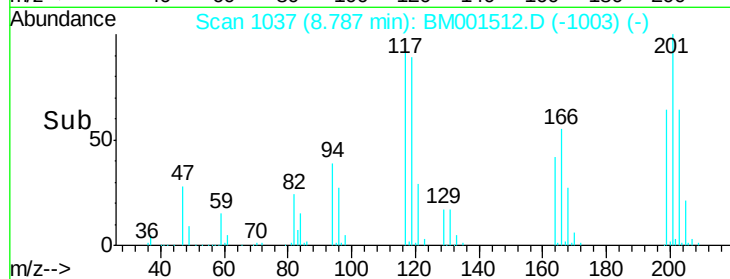
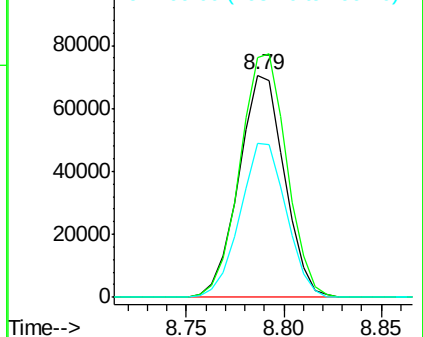
Tot Ion:	117	Resp:	114448
Ion Ratio	Lower	Upper	
117	100		
201	108.3	88.1	132.1
199	69.5	52.4	78.6

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Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E



#20

Nitrobenzene

Concen: 44.55 ng/ul

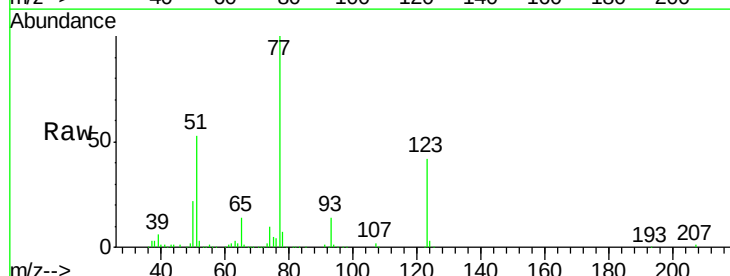
RT: 8.92 min Scan# 1059

Delta R.T. 0.00 min

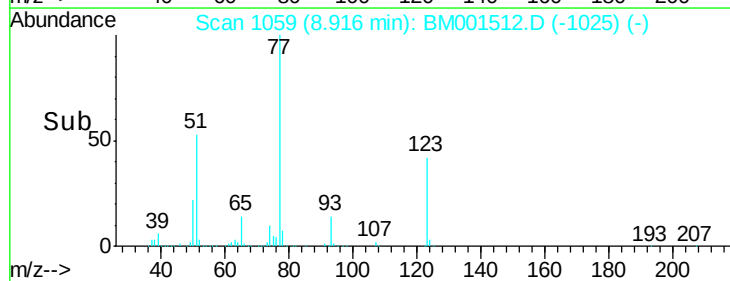
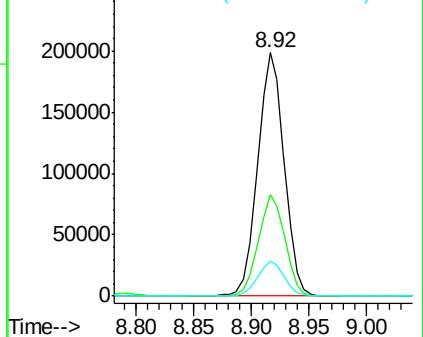
Lab File: BM001512.D

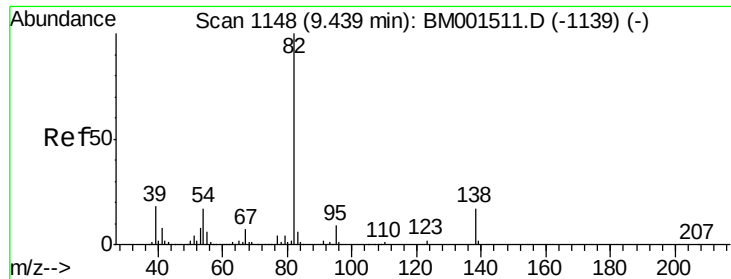
Acq: 01 Jun 2015 22:01

Tgt Ion:	77	Resp:	318011
Ion Ratio	Lower	Upper	
77	100		
123	41.5	32.2	48.2
65	14.2	11.1	16.7



Abundance Ion 77.00 (76.70 to 77.70): BM
Ion 123.00 (122.70 to 123.70): E
Ion 65.00 (64.70 to 65.70): BM





#21

Isophorone

Concen: 45.82 ng/ul

RT: 9.45 min Scan# 1149

Delta R.T. 0.01 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Instrument :

BNA_M

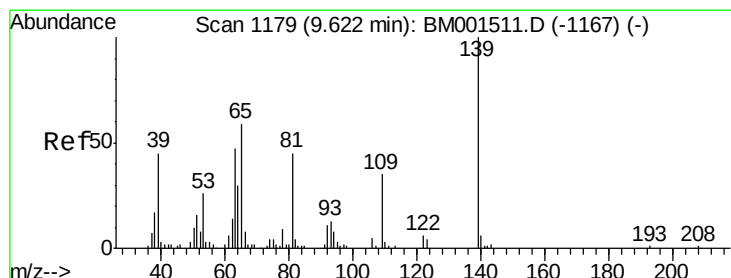
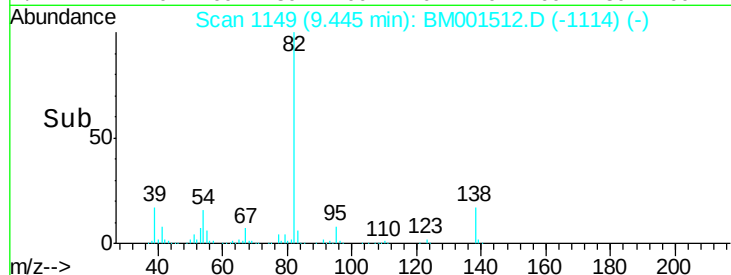
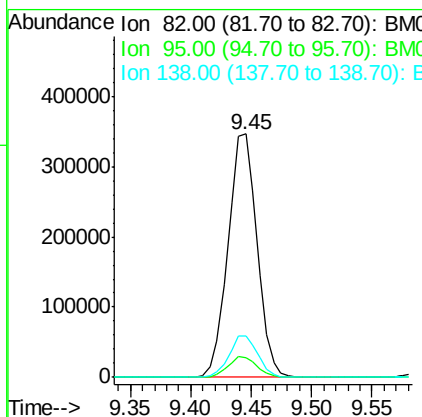
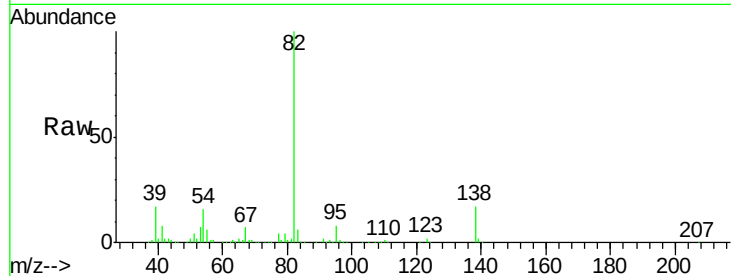
ClientSampleId :

SSTD04064

Tot Ion:	82	Resp:	580068
Ion Ratio	Lower	Upper	
82	100		
95	8.1	7.0	10.4
138	16.8	13.8	20.6

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#23

2-Nitrophenol

Concen: 41.19 ng/ul

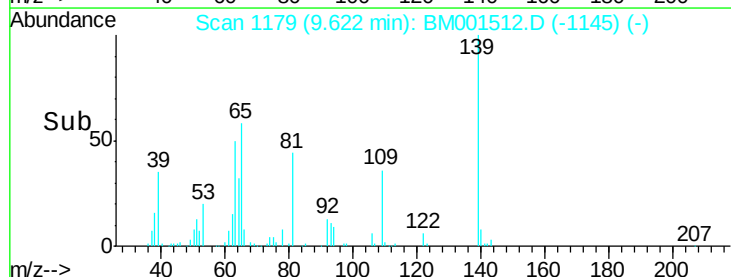
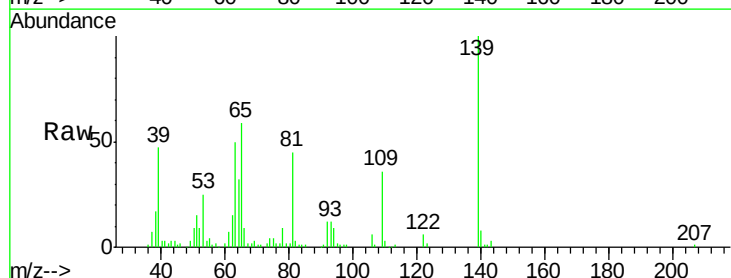
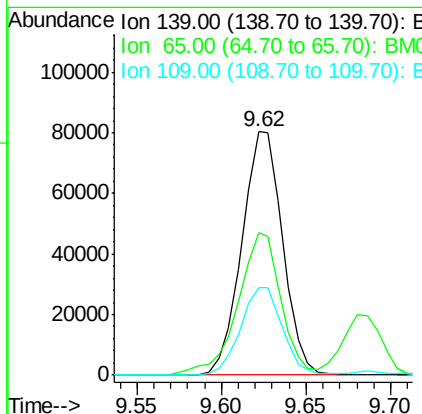
RT: 9.62 min Scan# 1179

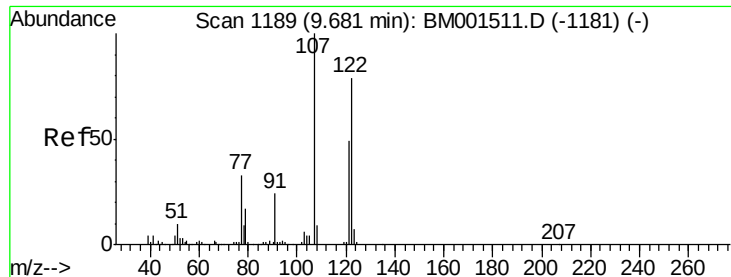
Delta R.T. 0.00 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Tgt Ion:	139	Resp:	135014
Ion Ratio	Lower	Upper	
139	100		
65	58.6	46.8	70.2
109	35.9	28.3	42.5





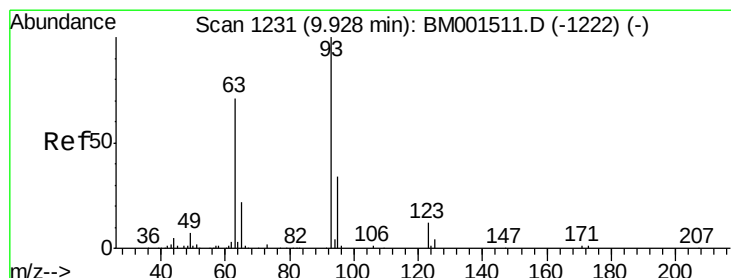
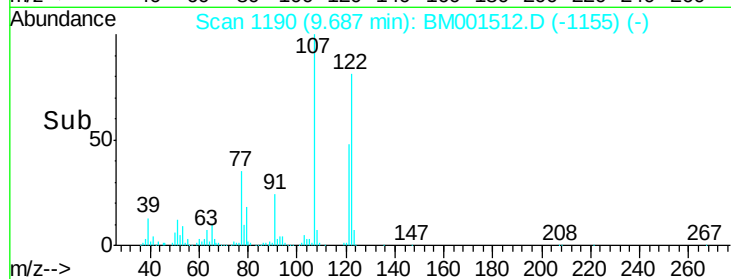
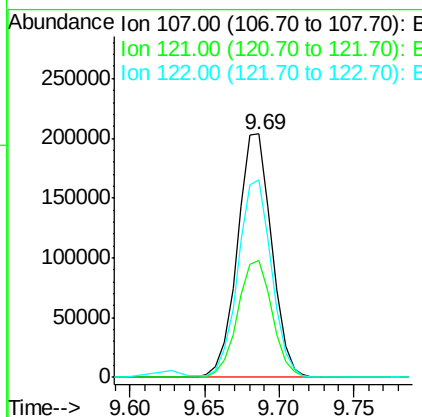
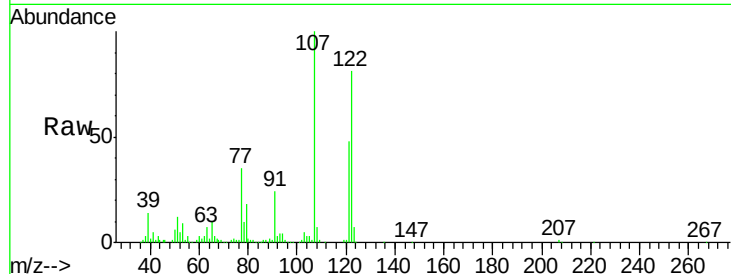
#24
 2,4-Dimethylphenol
 Concen: 44.87 ng/ul
 RT: 9.69 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: BM001512.D
 Acq: 01 Jun 2015 22:01

Instrument :
 BNA_M
 ClientSampled :
 SST04064

Tot Ion	Ratio	Resp Lower	Upper
107	100		
121	48.3	39.0	58.6
122	81.2	64.6	97.0

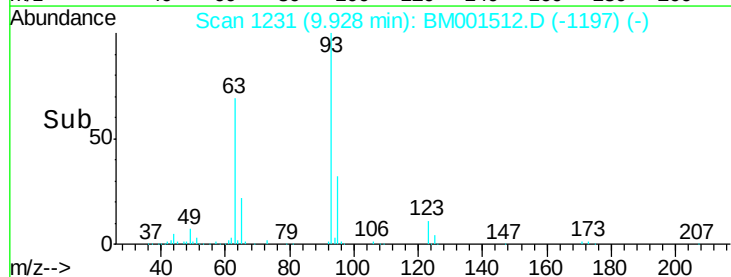
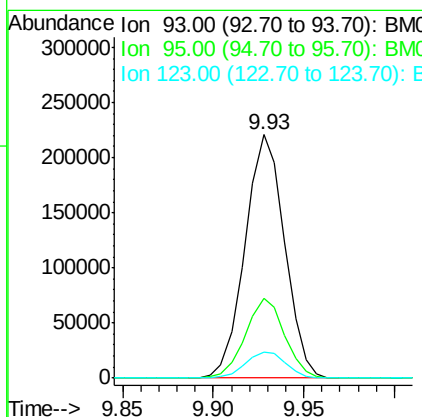
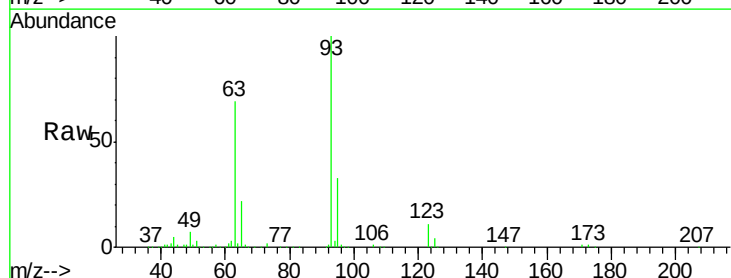
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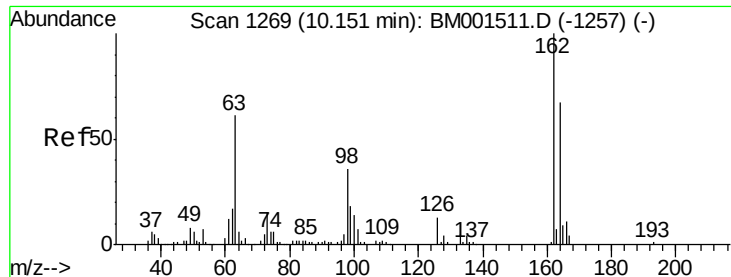
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#25
 Bis(2-Chloroethoxy)methane
 Concen: 42.23 ng/ul
 RT: 9.93 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BM001512.D
 Acq: 01 Jun 2015 22:01

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
95	32.5	27.2	40.8
123	10.9	9.2	13.8





#27

2,4-Dichlorophenol

Concen: 43.49 ng/ul

RT: 10.15 min Scan# 1269

Delta R.T. 0.00 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Instrument :

BNA_M

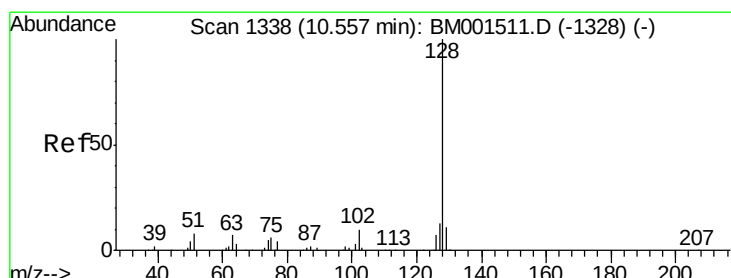
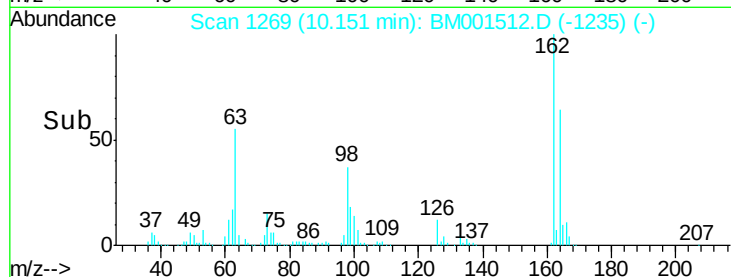
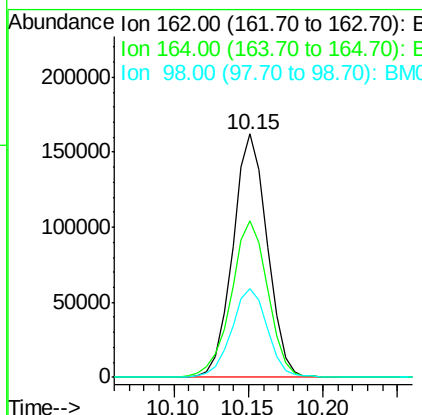
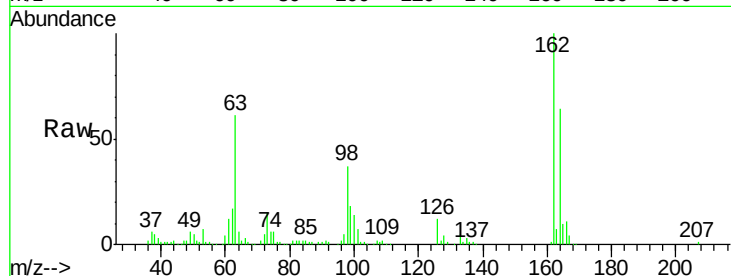
ClientSampleId :

SSTD04064

Tot Ion:	162	Resp:	260735
Ion Ratio	Lower	Upper	
162	100		
164	64.1	53.3	79.9
98	36.7	29.5	44.3

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#28

Naphthalene

Concen: 40.19 ng/ul

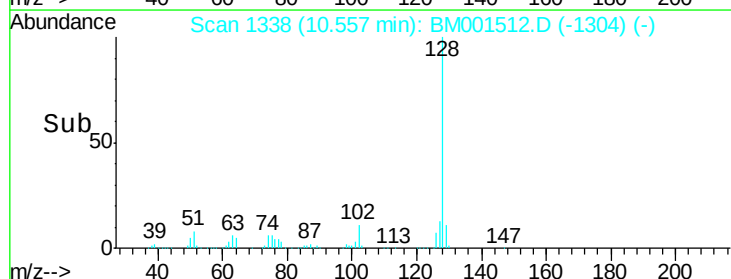
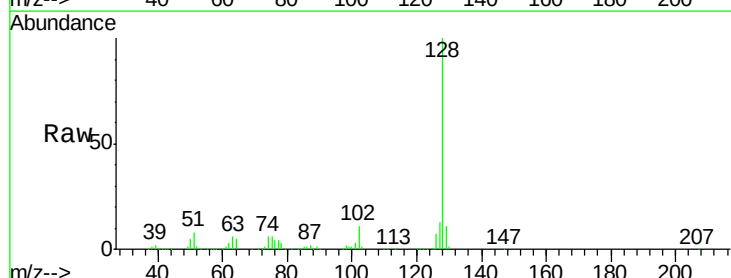
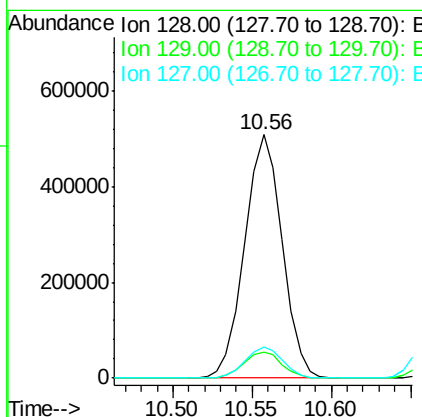
RT: 10.56 min Scan# 1338

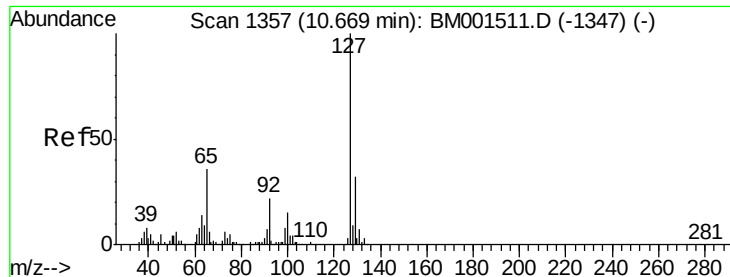
Delta R.T. 0.00 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Tgt Ion:	128	Resp:	835813
Ion Ratio	Lower	Upper	
128	100		
129	10.5	8.9	13.3
127	13.1	10.2	15.2





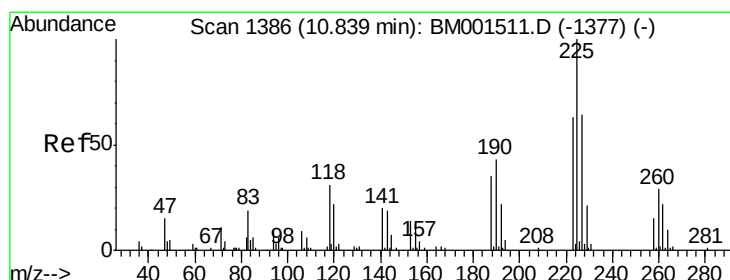
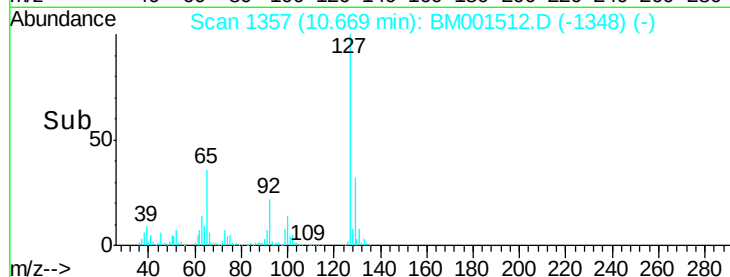
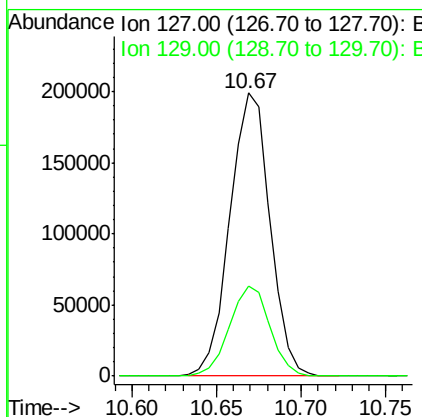
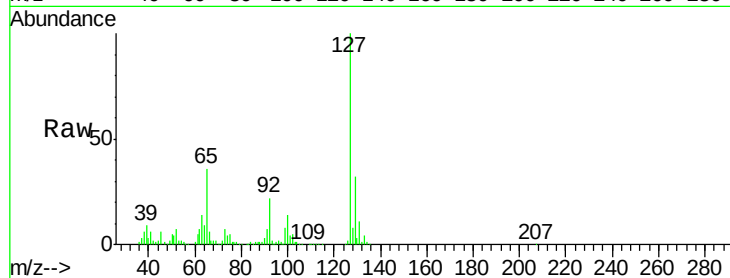
#30
4-Chloroaniline
Concen: 44.91 ng/ul
RT: 10.67 min Scan# 1357
Delta R.T. 0.00 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Instrument :
BNA_M
ClientSampleId :
SSTD04064

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.9	38.9

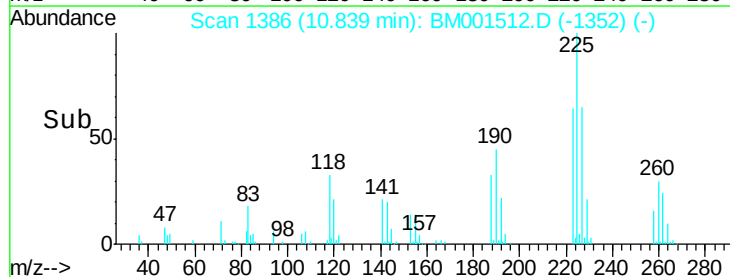
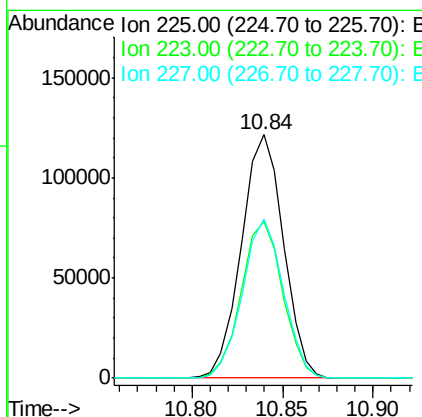
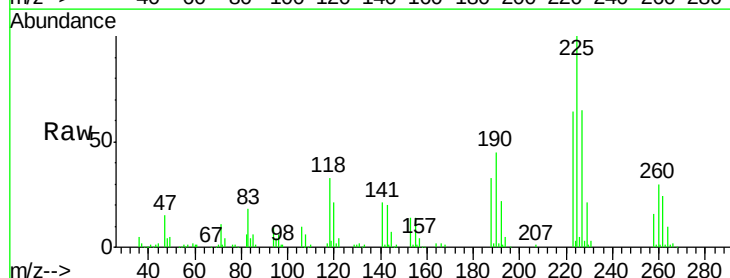
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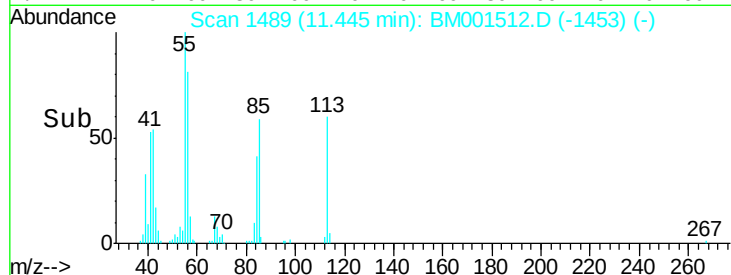
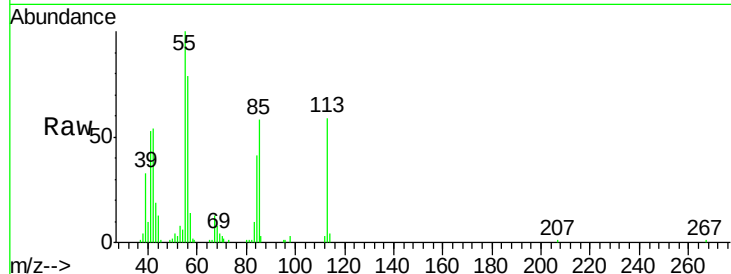
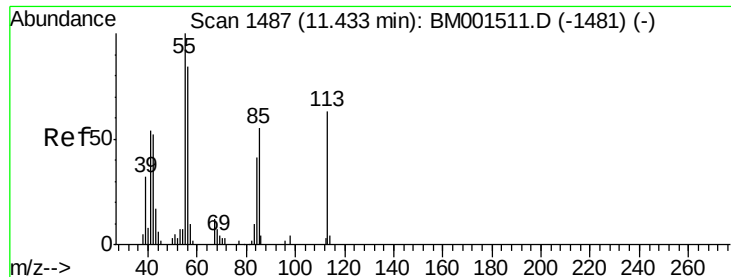
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#31
Hexachlorobutadiene
Concen: 47.77 ng/ul
RT: 10.84 min Scan# 1386
Delta R.T. 0.00 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	50.7	76.1
227	65.1	51.3	76.9





#32

Caprolactam

Concen: 40.29 ng/ul m

RT: 11.45 min Scan# 1489

Delta R.T. 0.01 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Instrument :

BNA_M

ClientSampleId :

SSTD04064

Tot Ion:113 Resp: 78668

Ion Ratio Lower Upper

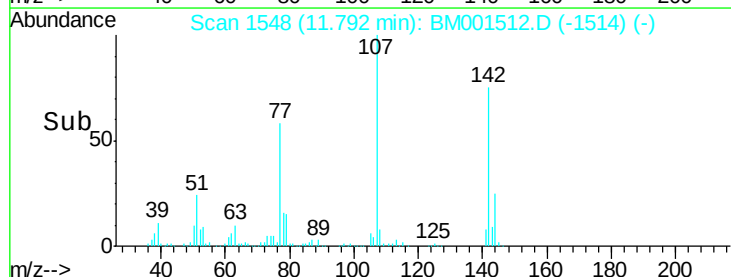
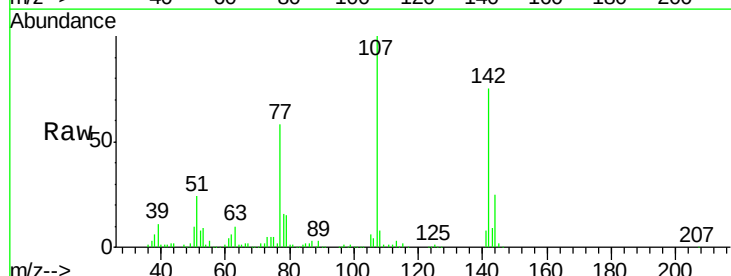
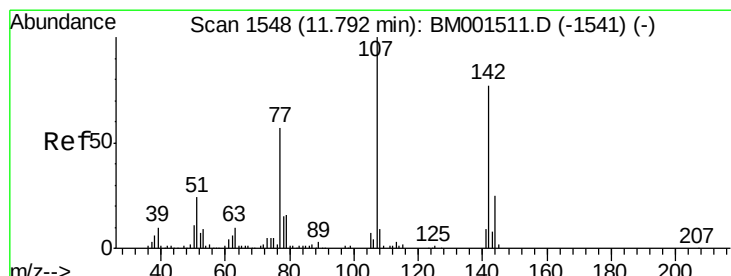
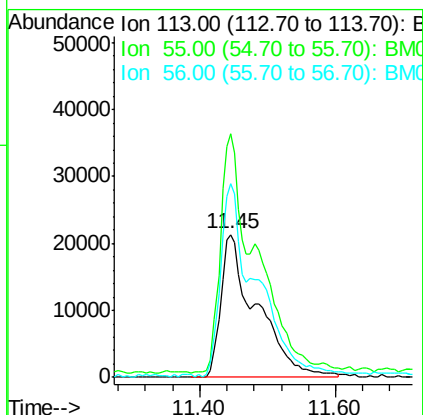
113 100

55 170.6 133.1 199.7

56 135.5 110.2 165.2

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#33

4-Chloro-3-methylphenol

Concen: 44.89 ng/ul

RT: 11.79 min Scan# 1548

Delta R.T. 0.00 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

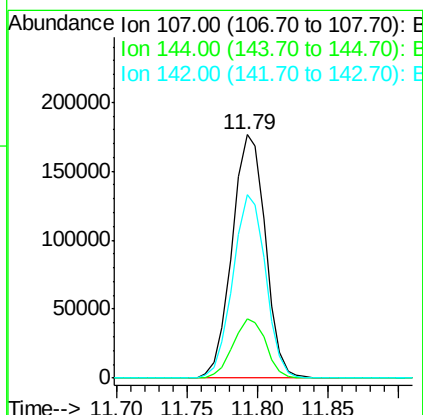
Tgt Ion:107 Resp: 290761

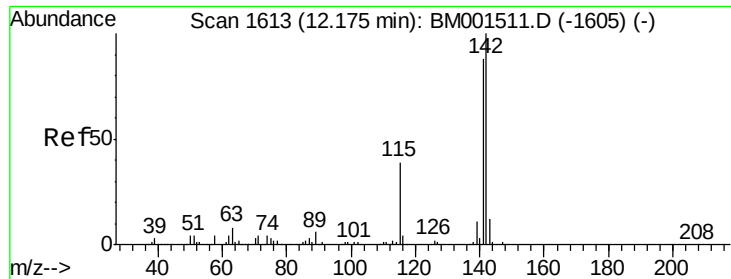
Ion Ratio Lower Upper

107 100

144 24.5 19.8 29.8

142 75.5 61.4 92.2





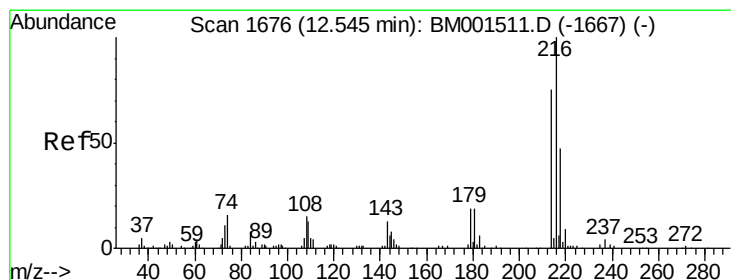
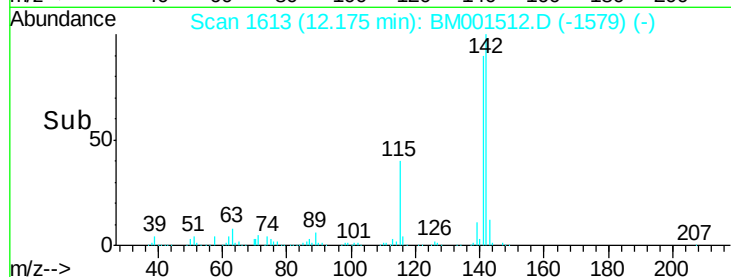
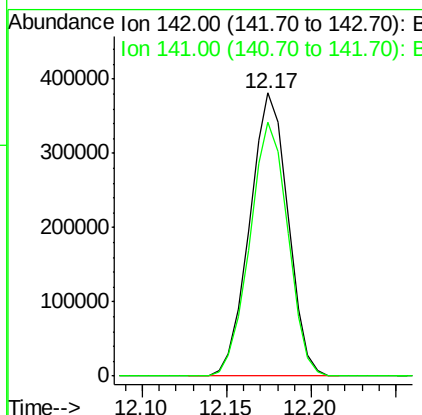
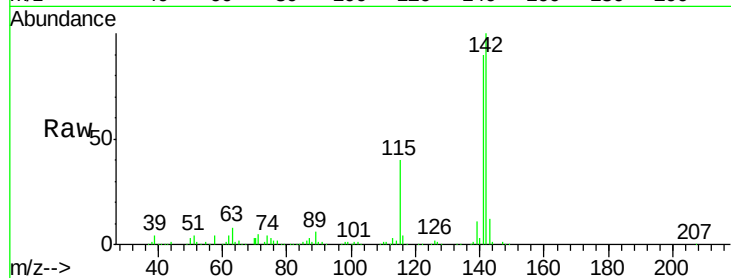
#34
2-Methylnaphthalene
Concen: 40.25 ng/ul
RT: 12.17 min Scan# 1613
Delta R.T. 0.00 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Instrument :
BNA_M
ClientSampleId :
SSTD04064

Tot Ion:142 Resp: 602170
Ion Ratio Lower Upper
142 100
141 89.9 70.6 105.8

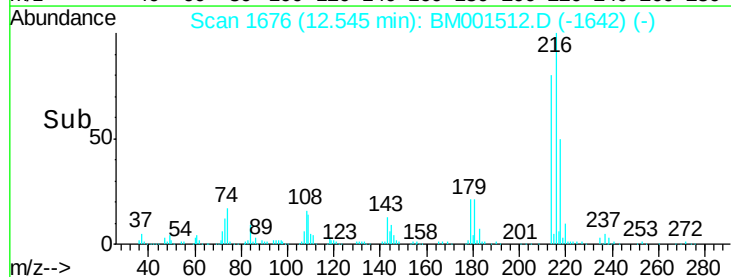
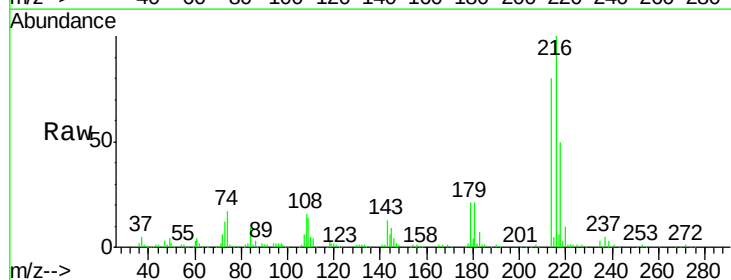
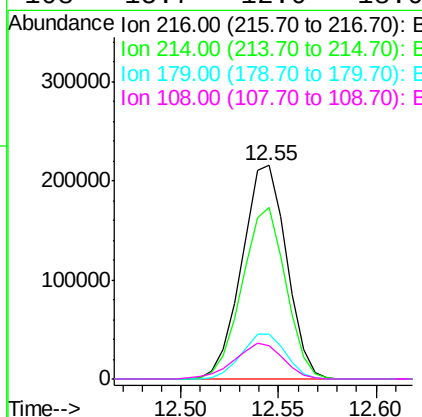
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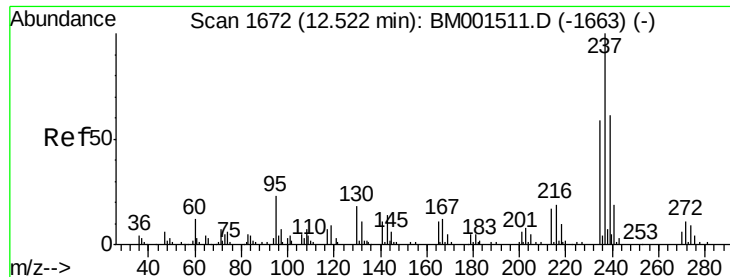
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#36
1,2,4,5-Tetrachlorobenzene
Concen: 46.03 ng/ul
RT: 12.55 min Scan# 1676
Delta R.T. 0.00 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Tgt Ion:216 Resp: 343113
Ion Ratio Lower Upper
216 100
214 80.4 59.8 89.6
179 20.7 15.1 22.7
108 15.7 12.0 18.0





#37

Hexachlorocyclopentadiene

Concen: 50.68 ng/ul

RT: 12.52 min Scan# 1672

Delta R.T. 0.00 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Instrument :

BNA_M

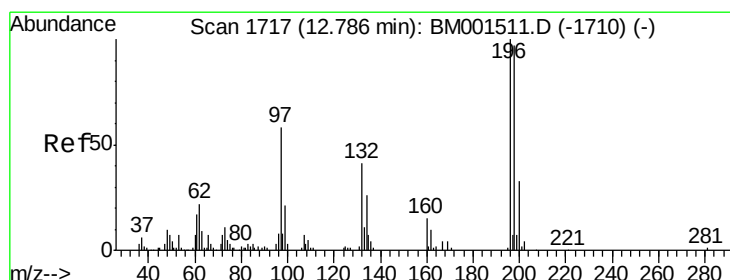
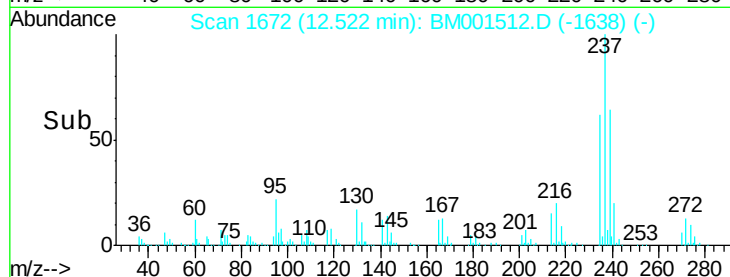
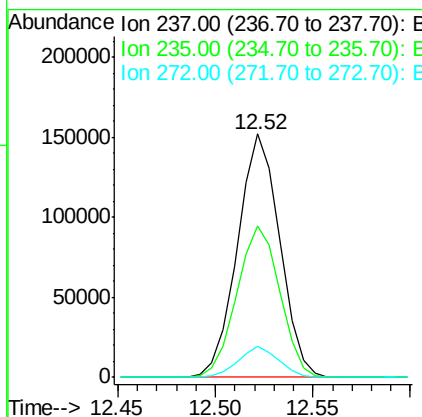
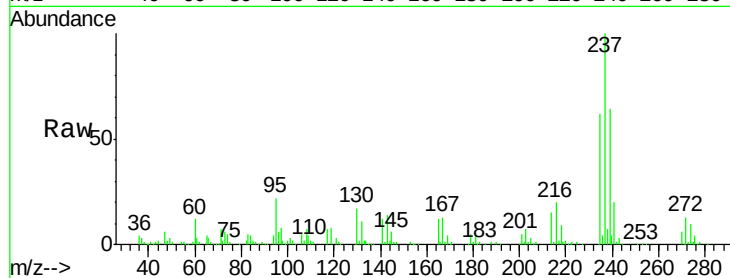
ClientSampleId :

SSTD04064

Tot Ion:	237	Resp:	227784
Ion Ratio		Lower	Upper
237	100		
235	62.2	47.1	70.7
272	12.6	9.0	13.6

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#38

2,4,6-Trichlorophenol

Concen: 46.24 ng/ul

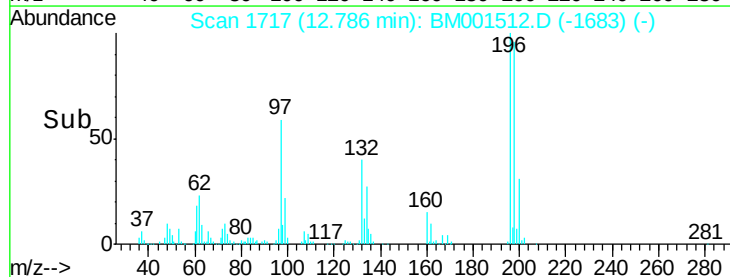
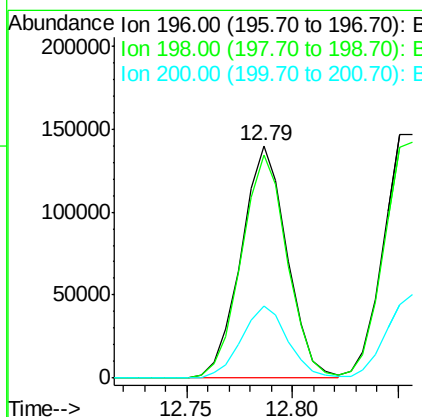
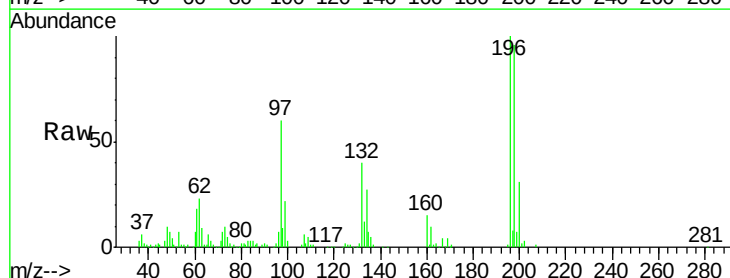
RT: 12.79 min Scan# 1717

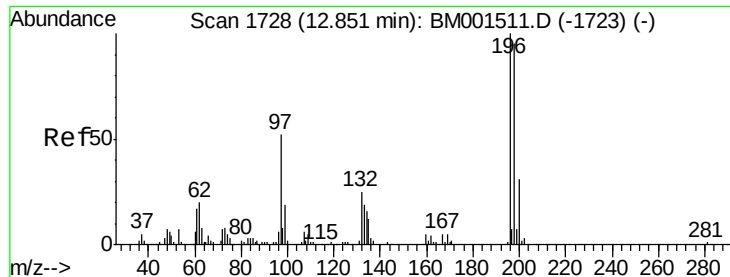
Delta R.T. 0.00 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Tgt Ion:	196	Resp:	210765
Ion Ratio		Lower	Upper
196	100		
198	96.0	77.6	116.4
200	31.0	26.2	39.4





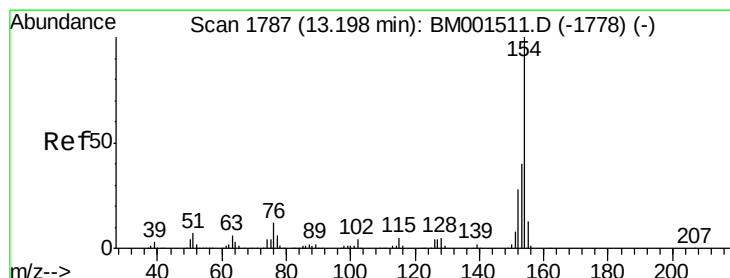
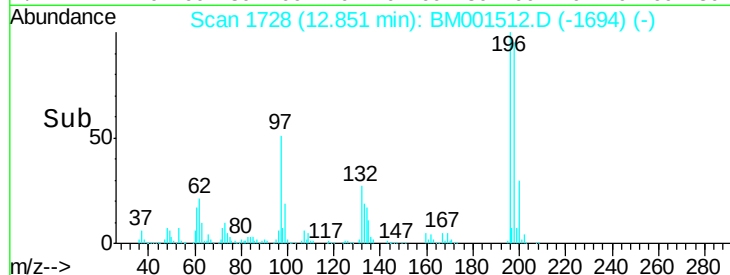
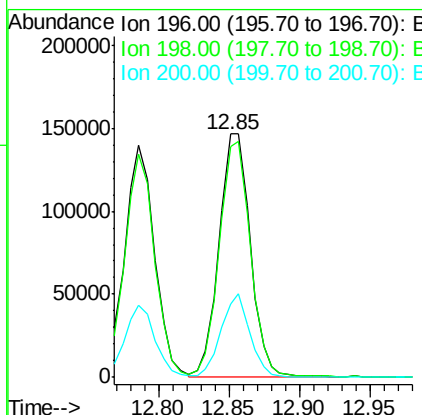
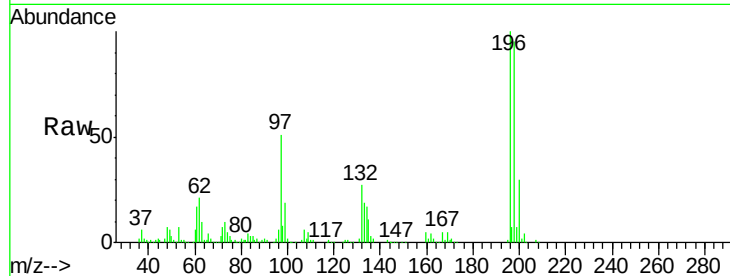
#39
 2,4,5-Trichlorophenol
 Concen: 45.10 ng/ul
 RT: 12.85 min Scan# 1728
 Delta R.T. 0.00 min
 Lab File: BM001512.D
 Acq: 01 Jun 2015 22:01

Instrument :
 BNA_M
 ClientSampleId :
 SST04064

Tot Ion	Ratio	Resp	Lower	Upper
196	100	225091		
198	94.9	76.3	114.5	
200	30.1	25.0	37.6	

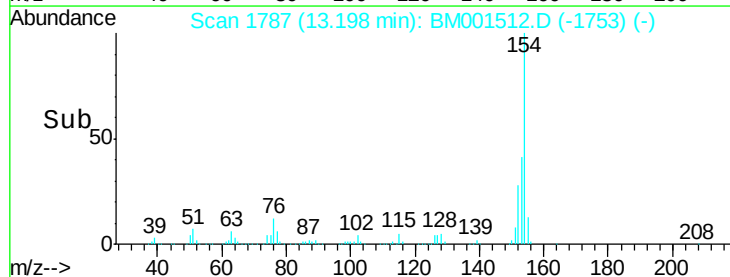
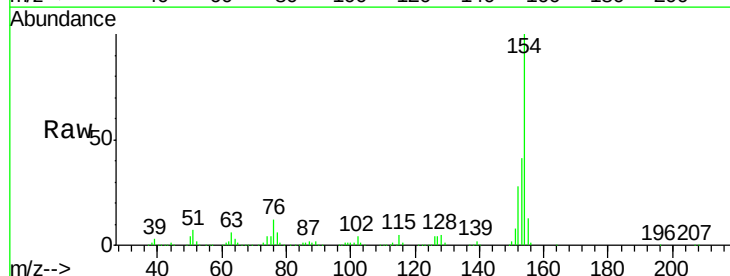
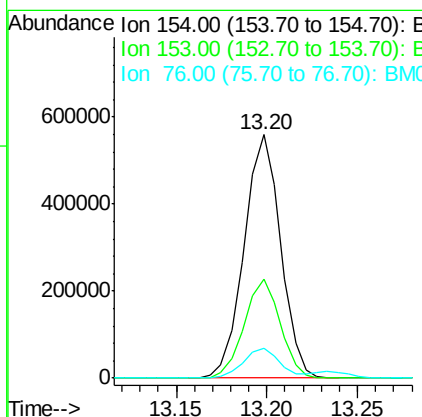
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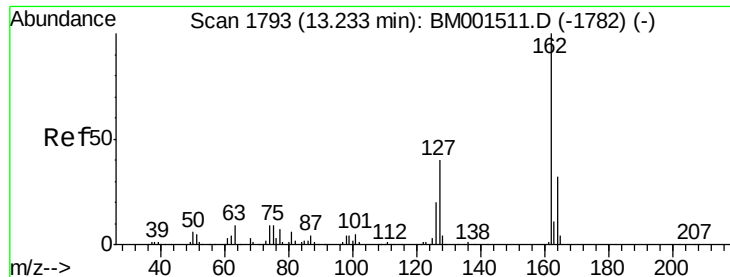
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#40
 1,1'-Biphenyl
 Concen: 40.92 ng/ul
 RT: 13.20 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BM001512.D
 Acq: 01 Jun 2015 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	783582		
153	40.8	31.9	47.9	
76	12.1	9.9	14.9	





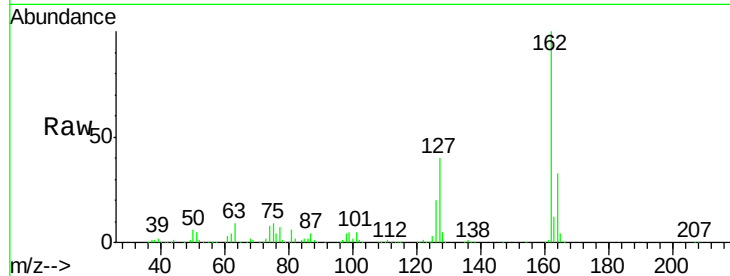
#41
2-Chloronaphthalene
Concen: 41.32 ng/ul
RT: 13.23 min Scan# 1793
Delta R.T. 0.00 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Instrument :
BNA_M
ClientSampled :
SSTD04064

Tot Ion	Ratio	Lower	Upper
162	100		
164	32.7	25.7	38.5
127	40.5	32.3	48.5

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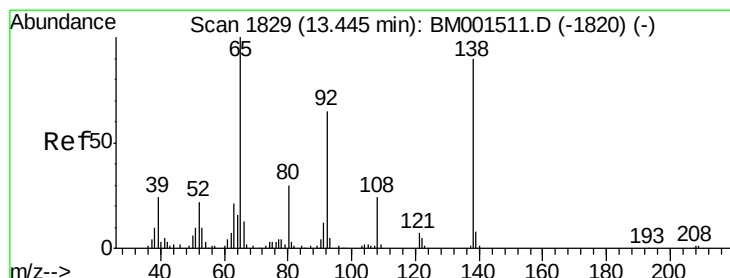
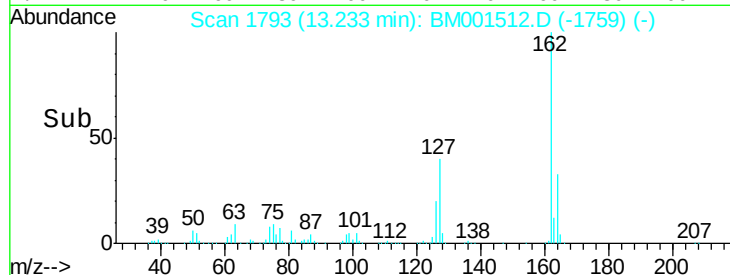
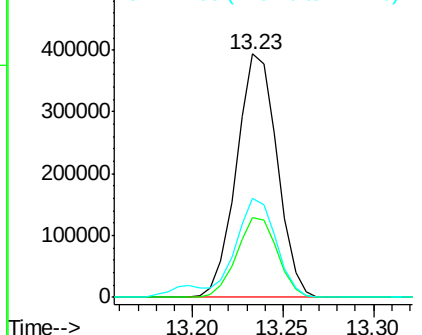


Abundance

Ion 162.00 (161.70 to 162.70): E

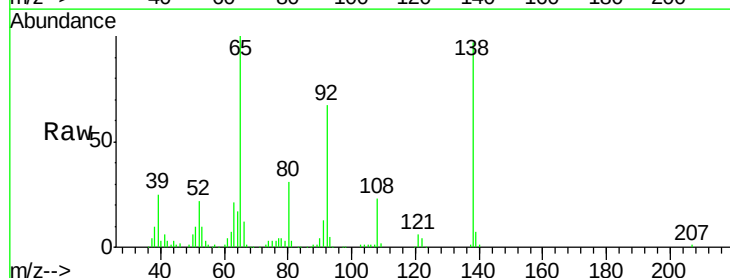
Ion 164.00 (163.70 to 164.70): E

Ion 127.00 (126.70 to 127.70): E



#42
2-Nitroaniline
Concen: 43.84 ng/ul
RT: 13.45 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Tgt Ion	Ratio	Lower	Upper
65	100		
92	66.6	51.8	77.8
138	97.1	72.3	108.5

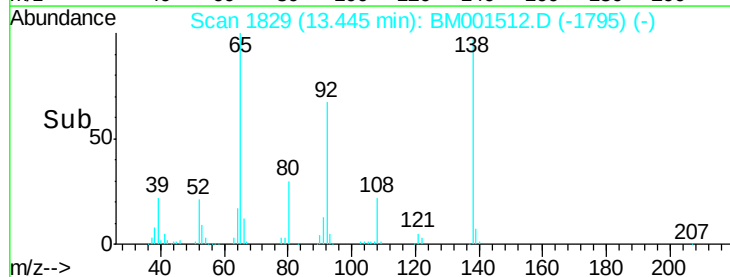
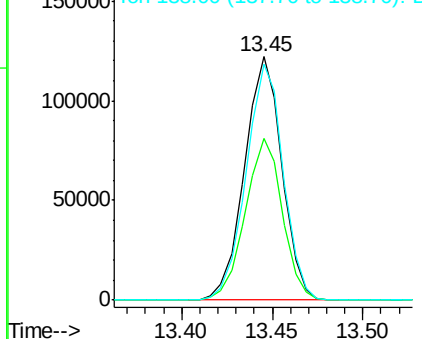


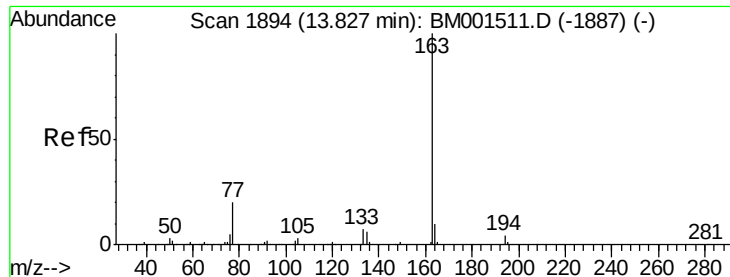
Abundance

Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0

Ion 138.00 (137.70 to 138.70): E





#44

Dimethylphthalate

Concen: 41.10 ng/ul

RT: 13.83 min Scan# 1895

Delta R.T. 0.01 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Instrument :

BNA_M

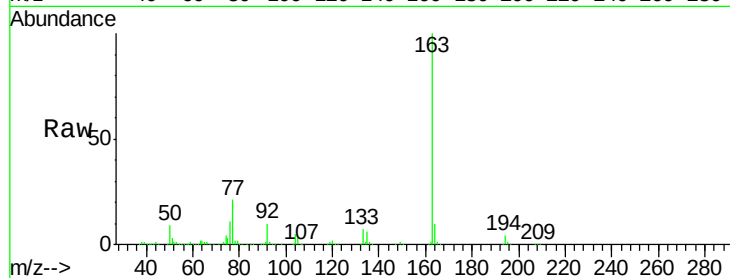
ClientSampleId :

SSTD04064

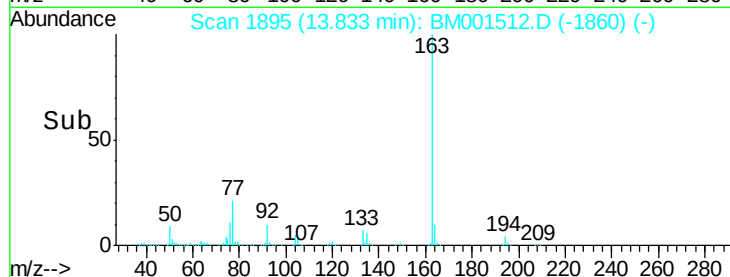
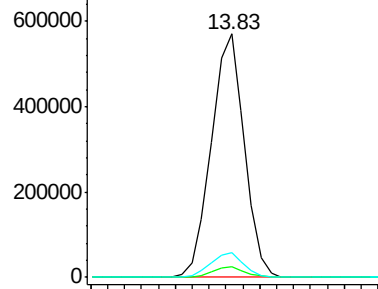
Tot Ion:	163	Resp:	775869
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.4	5.0
164	10.1	8.1	12.1

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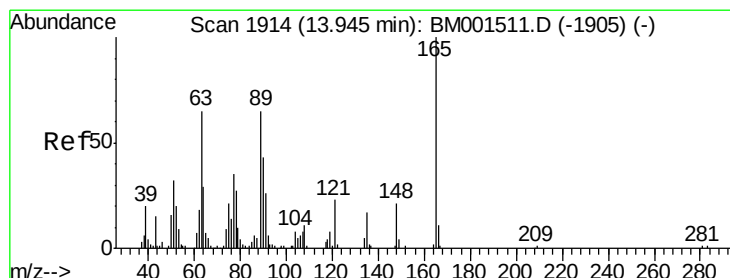
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



Time-->



#45

2,6-Dinitrotoluene

Concen: 41.78 ng/ul

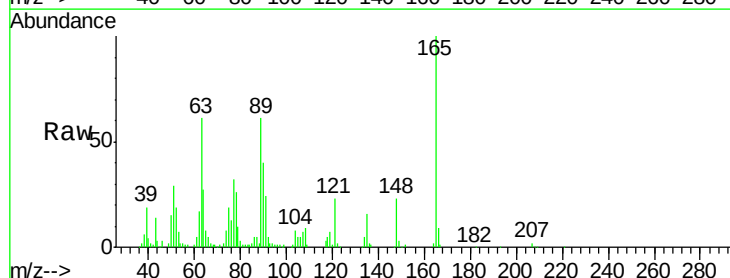
RT: 13.95 min Scan# 1915

Delta R.T. 0.01 min

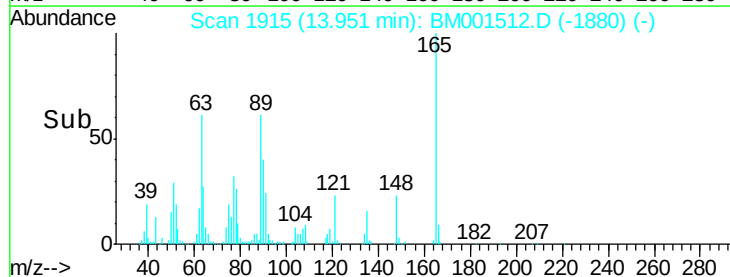
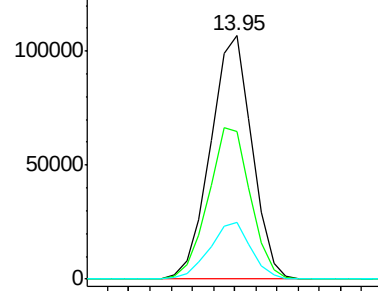
Lab File: BM001512.D

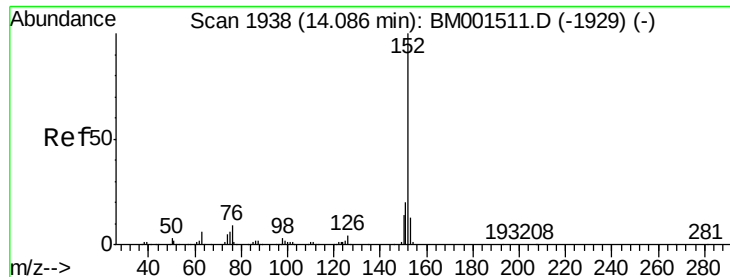
Acq: 01 Jun 2015 22:01

Tgt Ion:	165	Resp:	144855
Ion Ratio	Lower	Upper	
165	100		
89	60.6	52.0	78.0
121	23.2	18.6	28.0



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 89.00 (88.70 to 89.70): BM
Ion 121.00 (120.70 to 121.70): E





#47

Acenaphthylene

Concen: 40.90 ng/ul

RT: 14.09 min Scan# 1938

Delta R.T. 0.00 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Instrument :

BNA_M

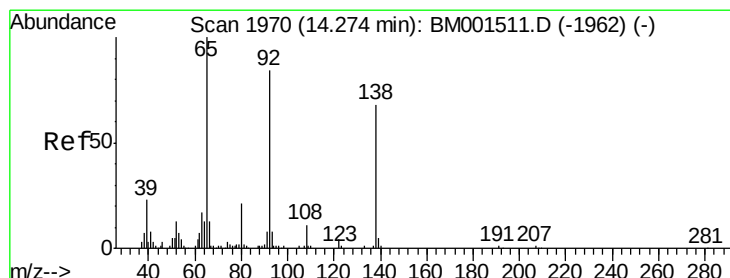
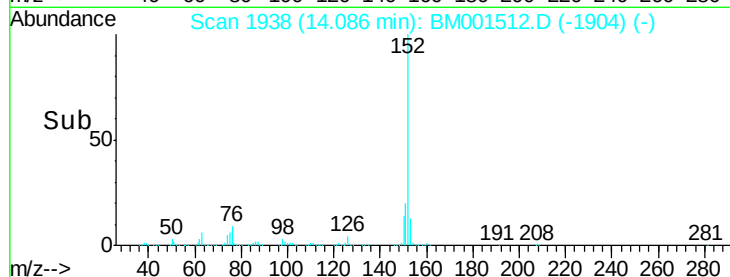
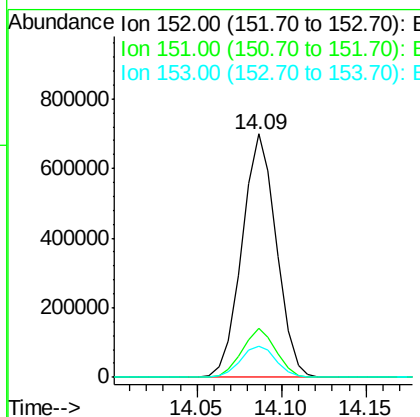
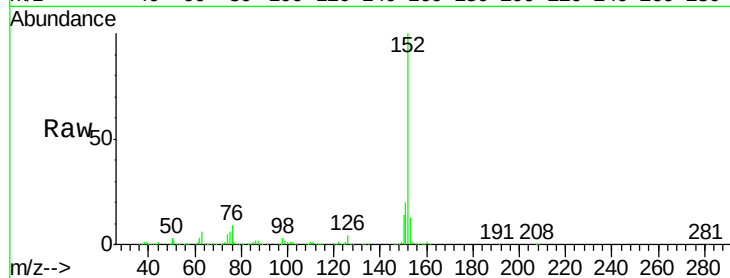
ClientSampleId :

SSTD04064

Tot Ion:	152	Resp:	988801
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.6	23.4
153	12.7	10.5	15.7

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#48

3-Nitroaniline

Concen: 39.69 ng/ul

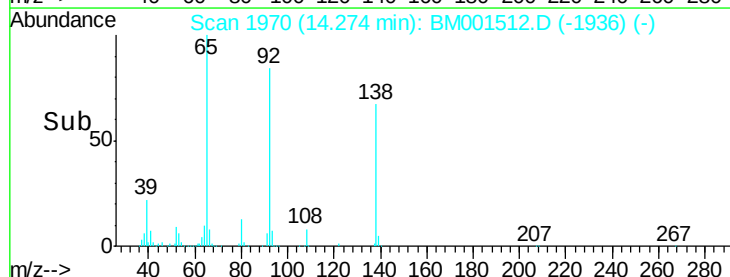
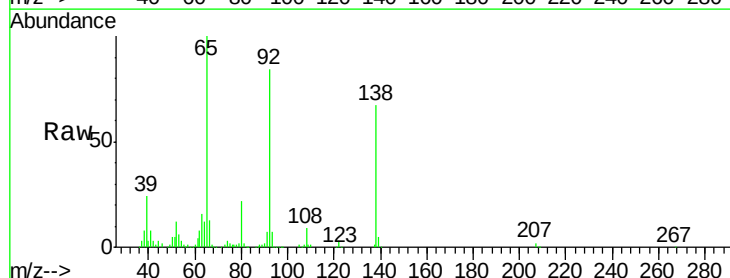
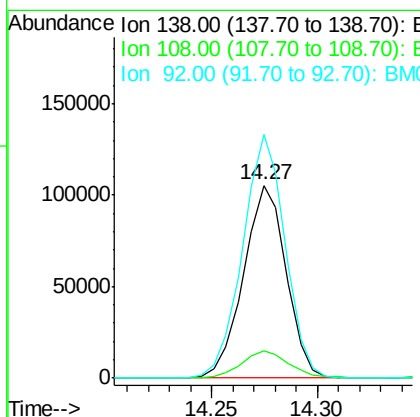
RT: 14.27 min Scan# 1970

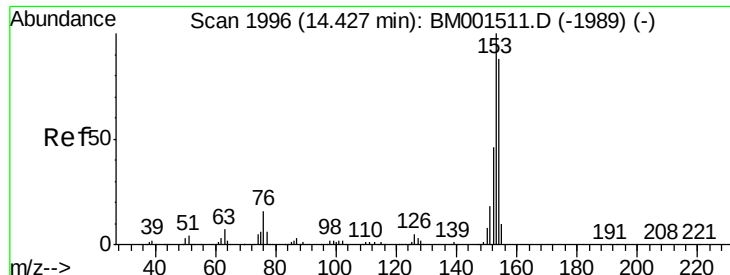
Delta R.T. 0.00 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Tgt Ion:	138	Resp:	147528
Ion Ratio	Lower	Upper	
138	100		
108	14.1	13.2	19.8
92	126.3	99.3	148.9





#49

Acenaphthene

Concen: 40.31 ng/ul

RT: 14.43 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Instrument :

BNA_M

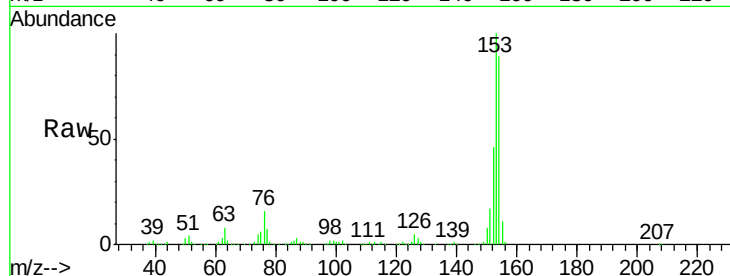
ClientSampleId :

SSTD04064

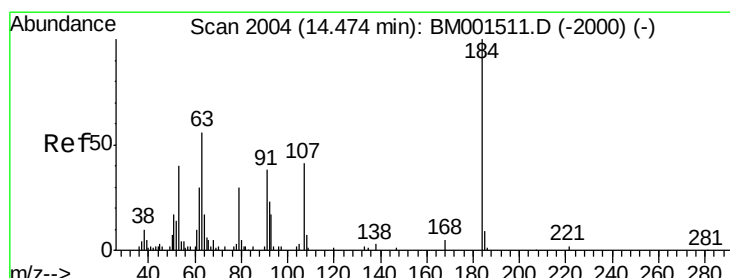
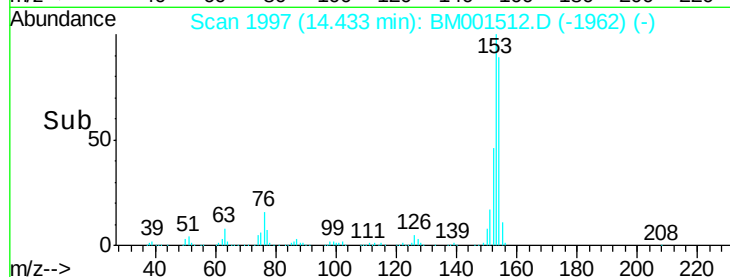
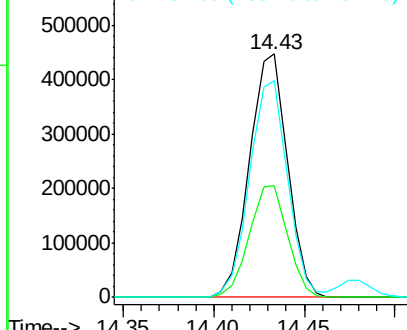
Tot Ion:	153	Resp:	653695
Ion Ratio	Lower	Upper	
153	100		
152	46.1	36.9	55.3
154	89.1	70.2	105.4

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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



#50

2,4-Dinitrophenol

Concen: 33.43 ng/ul

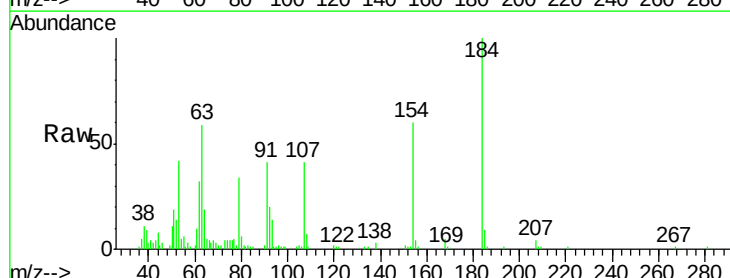
RT: 14.48 min Scan# 2005

Delta R.T. 0.01 min

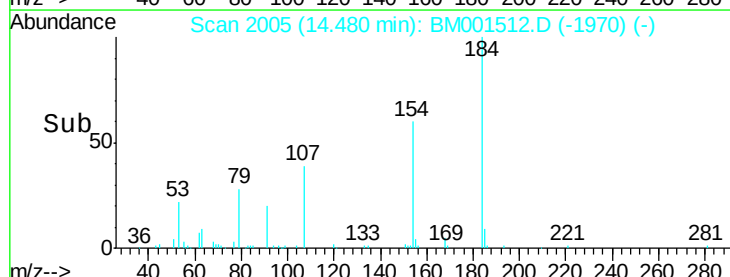
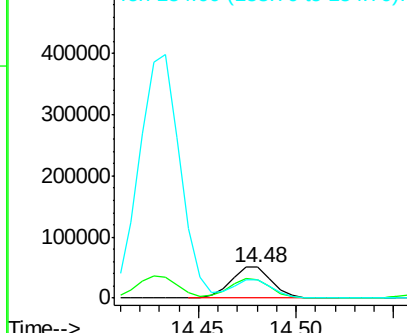
Lab File: BM001512.D

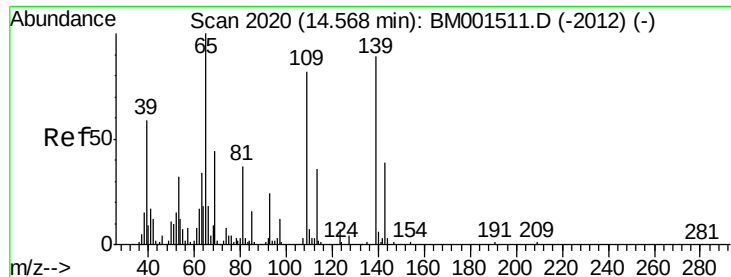
Acq: 01 Jun 2015 22:01

Tgt Ion:	184	Resp:	72985
Ion Ratio	Lower	Upper	
184	100		
63	59.0	49.2	73.8
154	60.2	46.5	69.7



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 154.00 (153.70 to 154.70): E





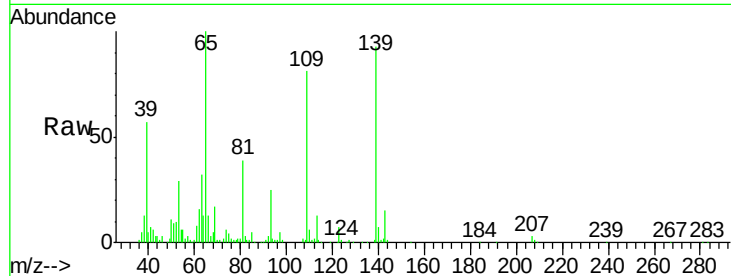
#52
4-Nitrophenol
Concen: 42.76 ng/ul
RT: 14.58 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Instrument :
BNA_M
ClientSampleId :
SSTD04064

Tot Ion	Ratio	Resp	Lower	Upper
109	100	125413		
139	114.5	87.4	131.0	
65	123.0	97.7	146.5	

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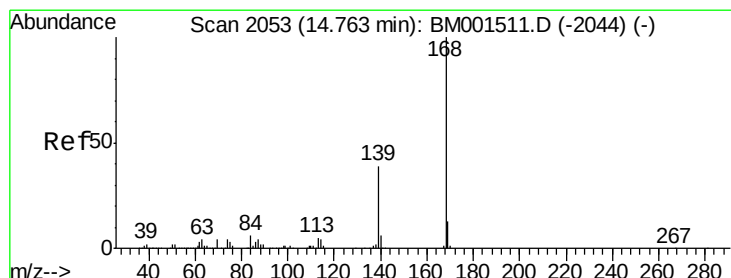
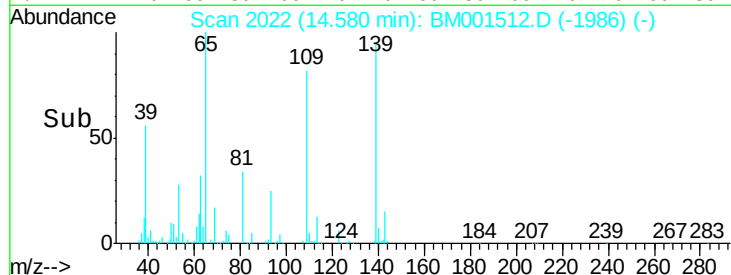
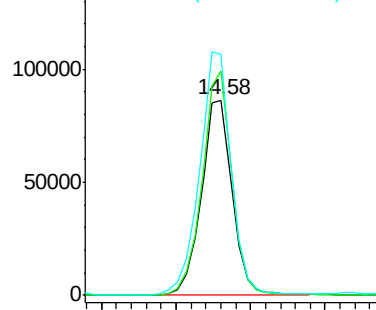


Abundance

Ion 109.00 (108.70 to 109.70): E

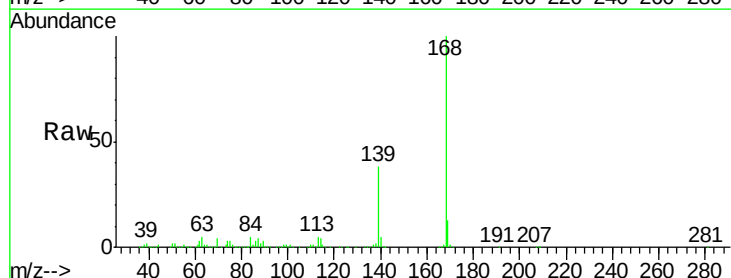
Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM



#53
Dibenzofuran
Concen: 39.92 ng/ul
RT: 14.77 min Scan# 2054
Delta R.T. 0.01 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

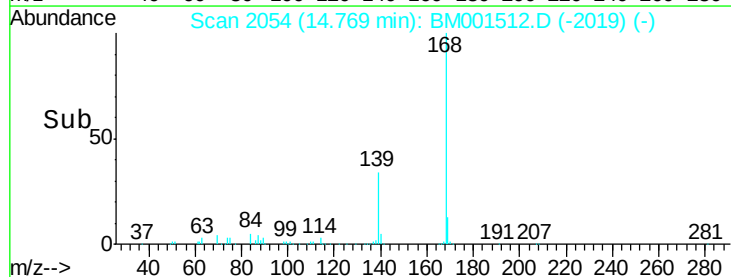
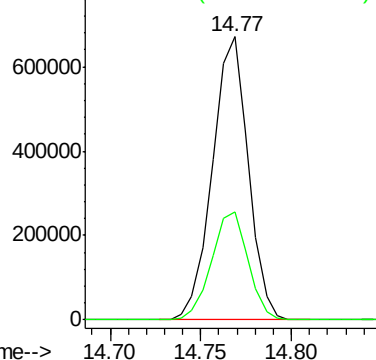
Tgt Ion	Ratio	Resp	Lower	Upper
168	100	924017		
139	38.3	31.6	47.4	

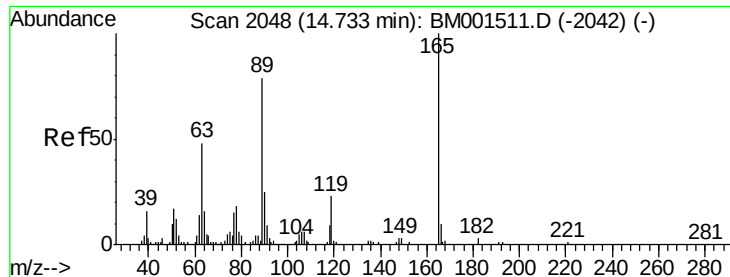


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 40.66 ng/ul

RT: 14.73 min Scan# 2048

Delta R.T. 0.00 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Instrument :

BNA_M

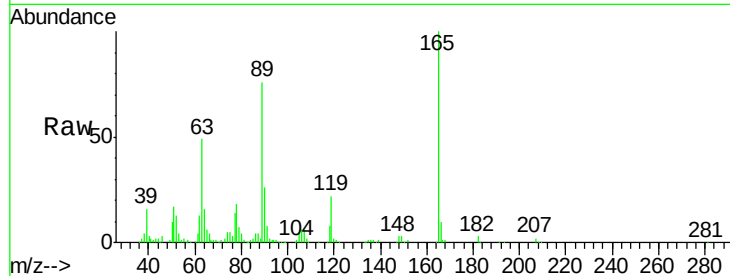
ClientSampleId :

SSTD04064

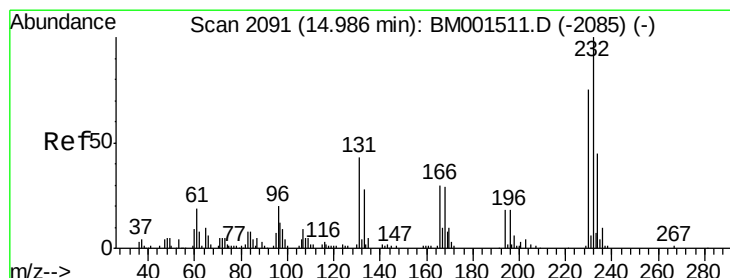
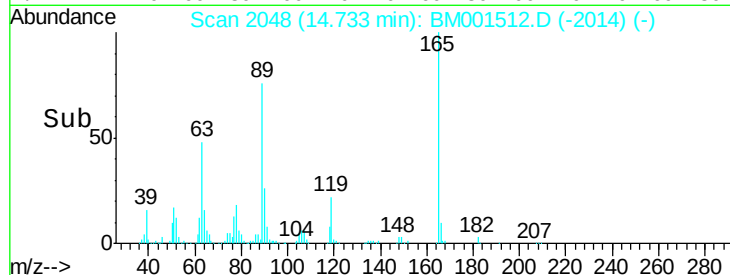
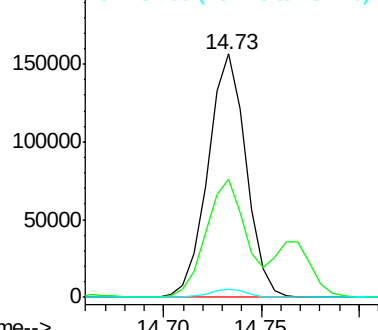
Tot Ion:	165	Resp:	211743
Ion Ratio	Lower	Upper	
165	100		
63	48.7	38.6	58.0
182	3.2	2.3	3.5

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



#55

2,3,4,6-Tetrachlorophenol

Concen: 45.81 ng/ul

RT: 14.99 min Scan# 2091

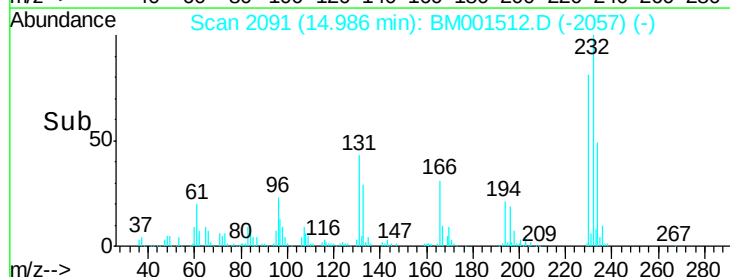
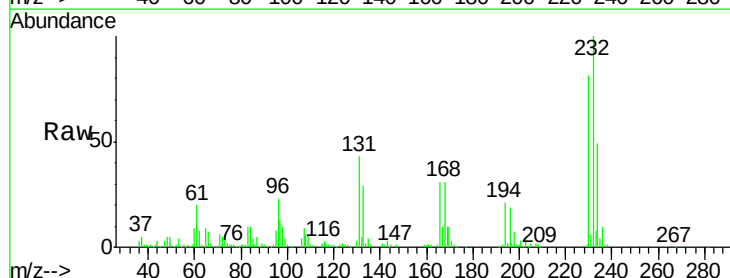
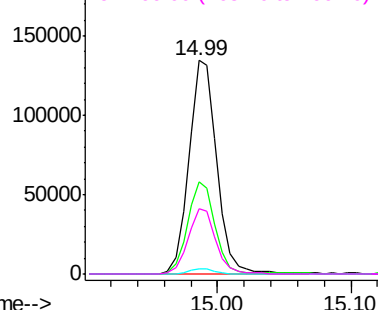
Delta R.T. 0.00 min

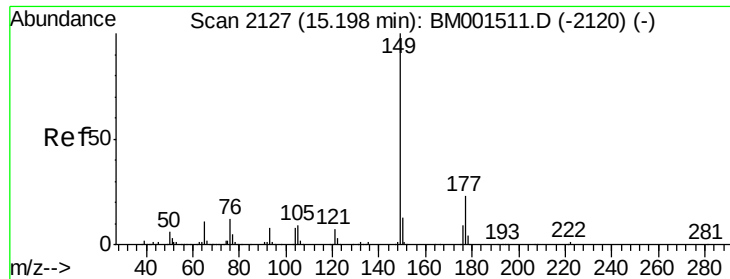
Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Tgt Ion:	232	Resp:	197415
Ion Ratio	Lower	Upper	
232	100		
131	43.2	34.1	51.1
130	2.7	1.8	2.8
166	30.7	23.8	35.6

Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





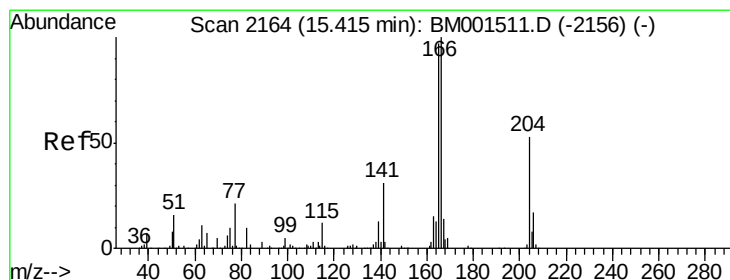
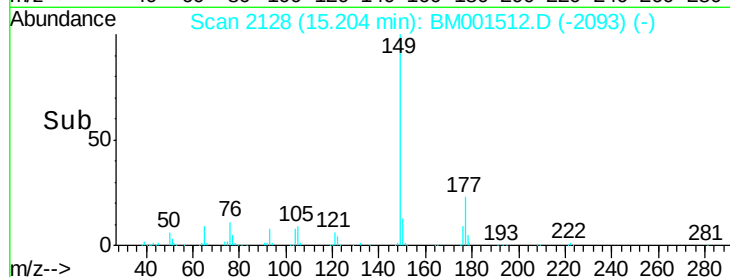
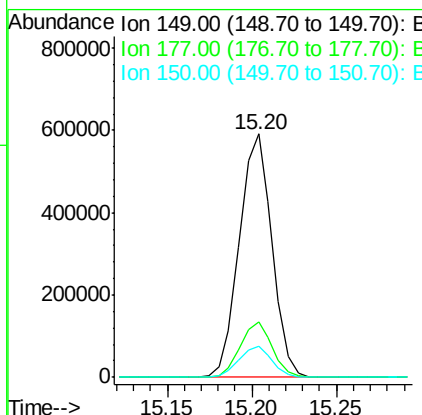
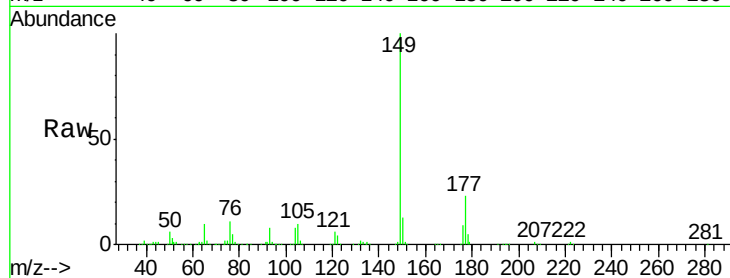
#56
Diethylphthalate
Concen: 40.77 ng/ul
RT: 15.20 min Scan# 2128
Delta R.T. 0.01 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Instrument :
BNA_M
ClientSampleId :
SSTD04064

Tot Ion	Ratio	Resp Lower	Resp Upper
149	100		
177	23.0	18.0	27.0
150	12.6	10.3	15.5

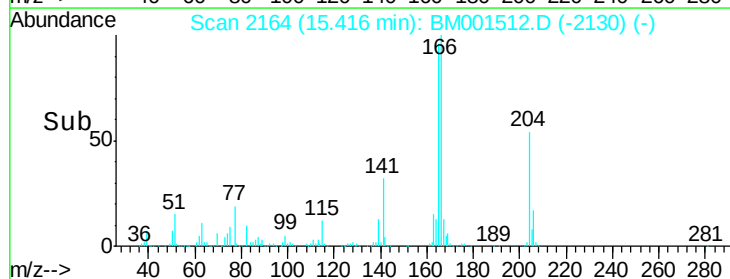
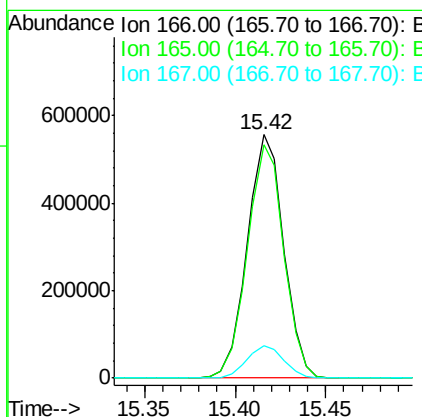
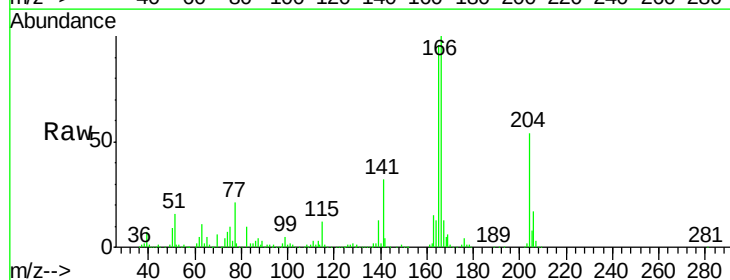
Manual Integrations
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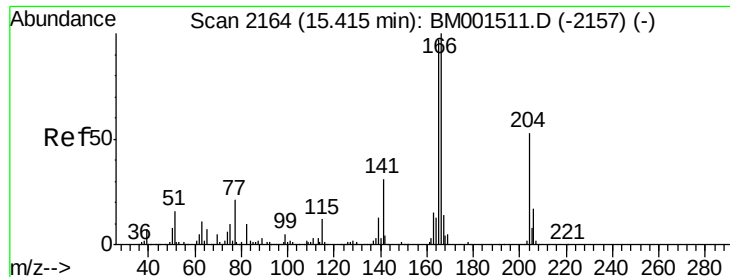
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#58
Fluorene
Concen: 39.75 ng/ul
RT: 15.42 min Scan# 2164
Delta R.T. 0.00 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	96.0	77.6	116.4
167	13.2	10.9	16.3





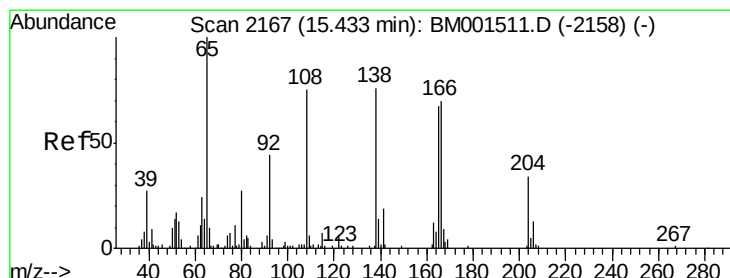
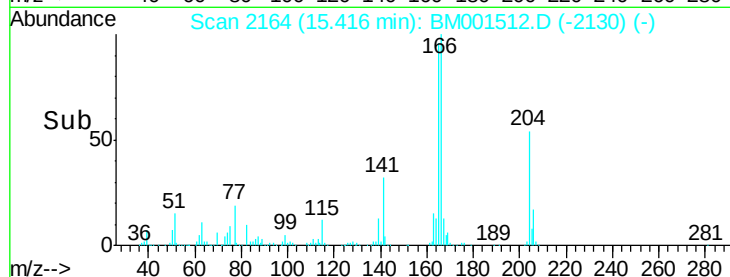
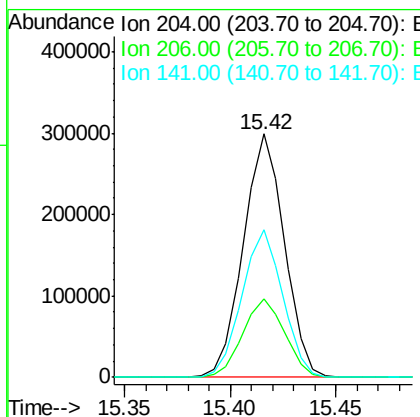
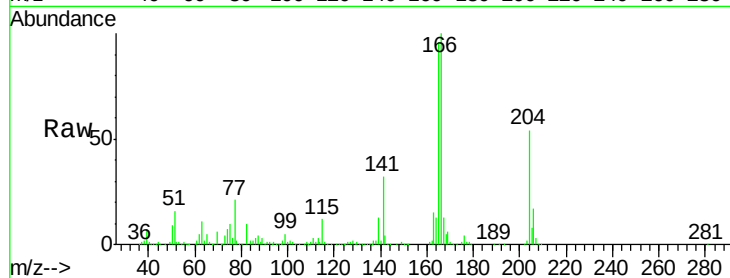
#59
4-Chlorophenyl-phenylether
Concen: 41.76 ng/ul
RT: 15.42 min Scan# 2164
Delta R.T. 0.00 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Instrument :
BNA_M
ClientSampleId :
SSTD04064

Tot Ion	Ratio	Resp	Lower	Upper
204	100	403264		
206	32.3	26.2	39.2	
141	60.4	47.8	71.8	

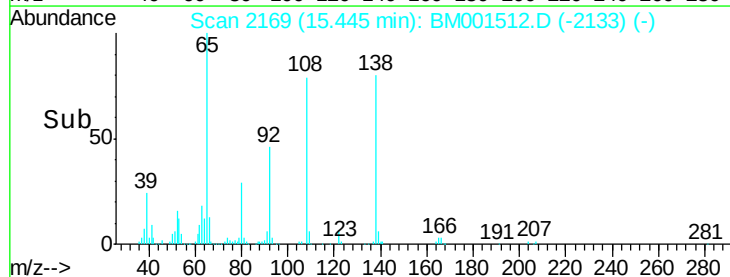
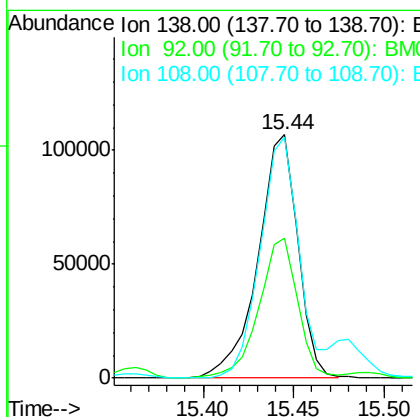
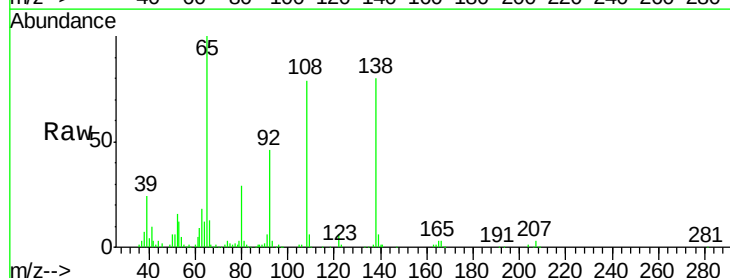
Manual Integrations
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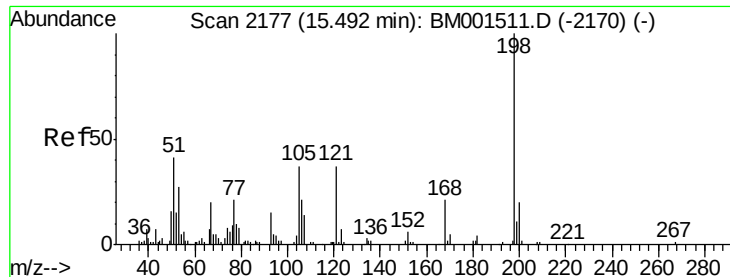
apatel
6/2/2015 1:21:36 PM



#60
4-Nitroaniline
Concen: 40.45 ng/ul
RT: 15.44 min Scan# 2169
Delta R.T. 0.01 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	163781		
92	57.4	46.2	69.2	
108	99.1	78.5	117.7	





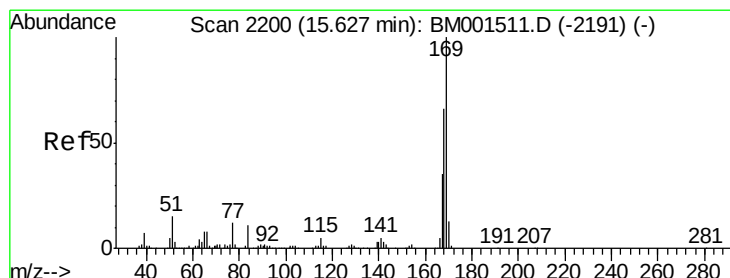
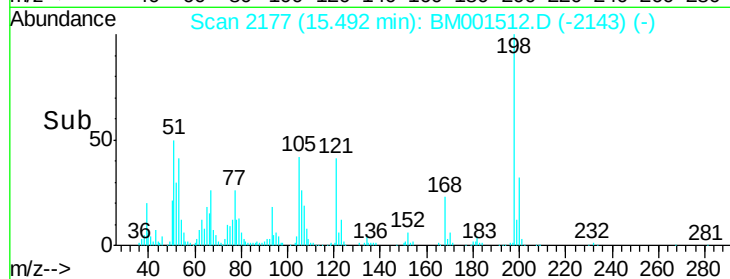
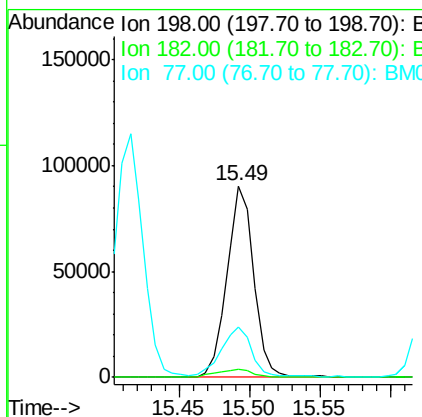
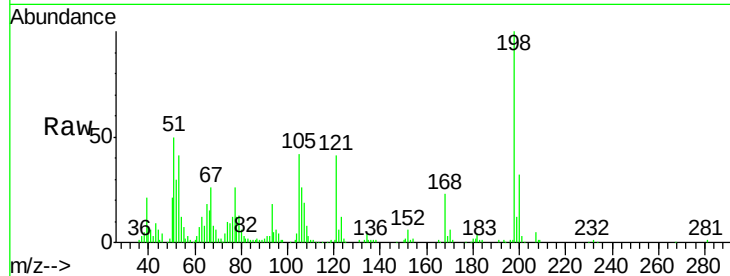
#63
 4,6-Dinitro-2-methylphenol
 Concen: 34.98 ng/ul
 RT: 15.49 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: BM001512.D
 Acq: 01 Jun 2015 22:01

Instrument :
 BNA_M
 ClientSampleId :
 SSTD04064

Tot Ion	Ratio	Resp	Lower	Upper
198	100	119534		
182	4.3	3.0	4.4	
77	26.0	18.0	27.0	

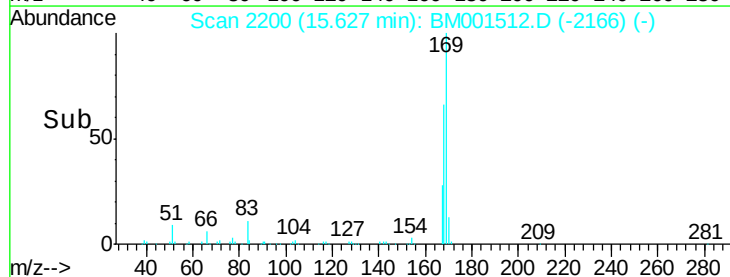
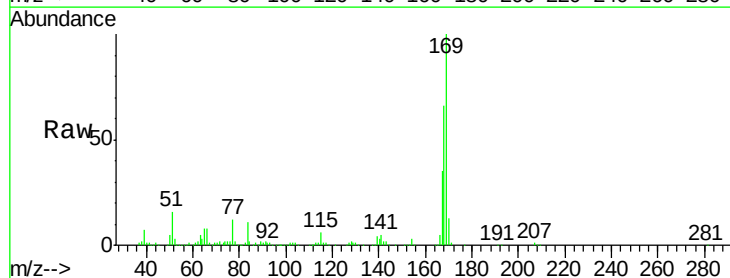
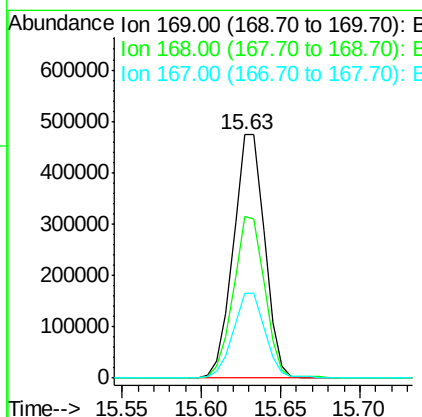
Manual Integrations
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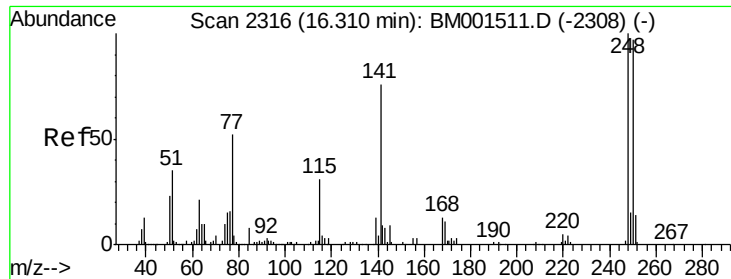
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#64
 N-Nitrosodiphenylamine
 Concen: 41.36 ng/ul
 RT: 15.63 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: BM001512.D
 Acq: 01 Jun 2015 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	651152		
168	66.5	53.0	79.4	
167	34.9	27.8	41.6	





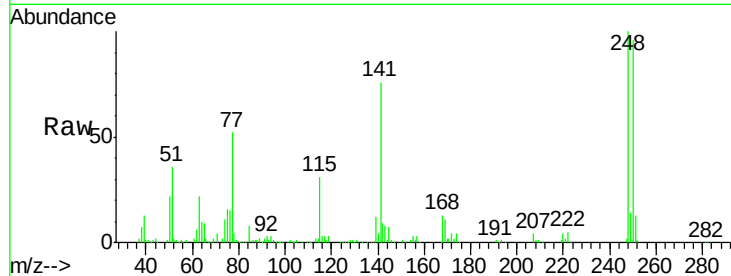
#65
4-Bromophenyl-phenylether
Concen: 44.63 ng/ul
RT: 16.31 min Scan# 2316
Delta R.T. 0.00 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Instrument :
BNA_M
ClientSampled :
SSTD04064

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.2	77.5	116.3
141	76.4	60.7	91.1

Manual Integrations
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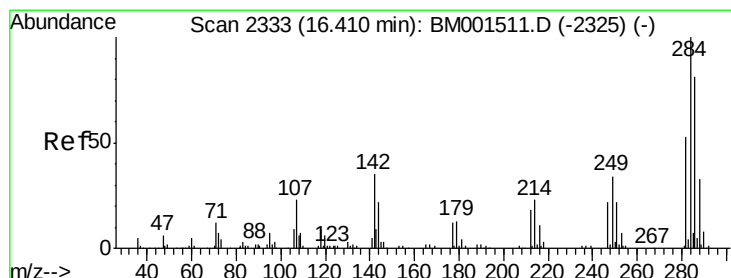
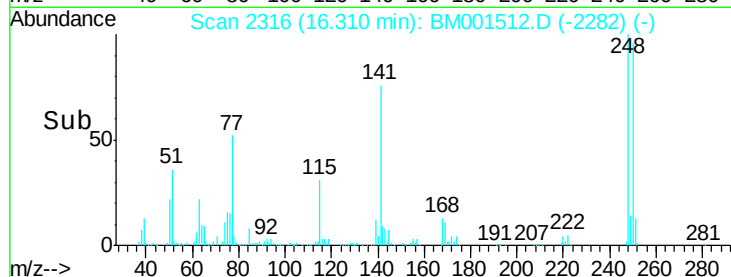
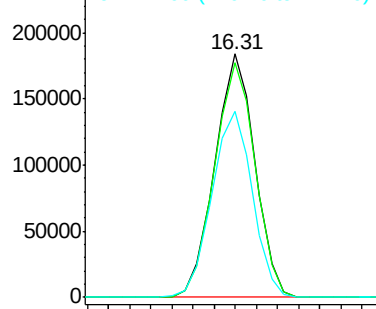


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#66
Hexachlorobenzene
Concen: 42.89 ng/ul
RT: 16.41 min Scan# 2333
Delta R.T. 0.00 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

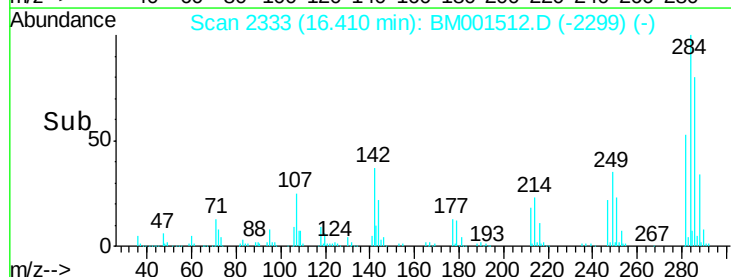
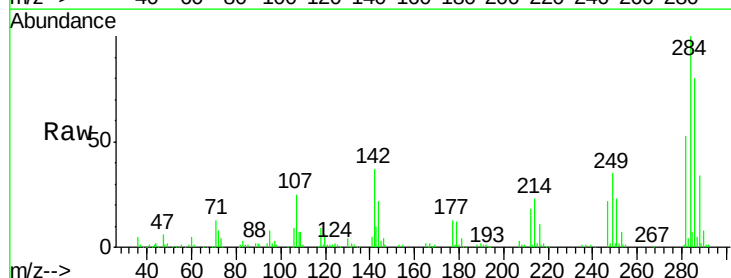
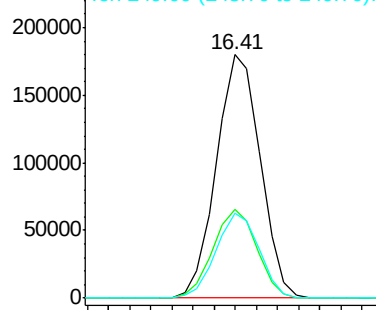
Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.6	28.3	42.5
249	34.8	26.9	40.3

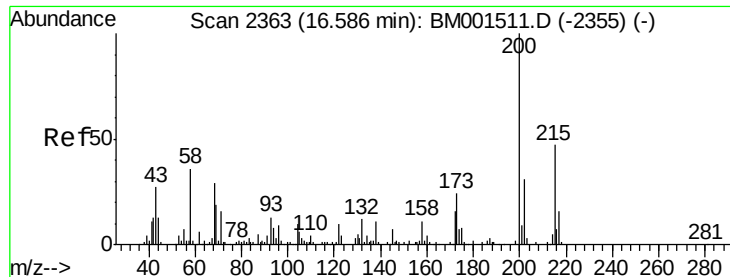
Abundance

Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#67

Atrazine

Concen: 44.81 ng/ul

RT: 16.59 min Scan# 2363

Delta R.T. 0.00 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Instrument :

BNA_M

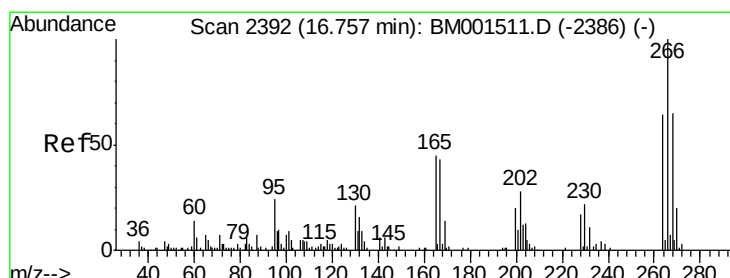
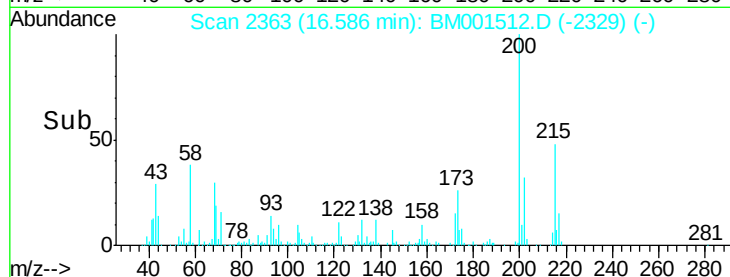
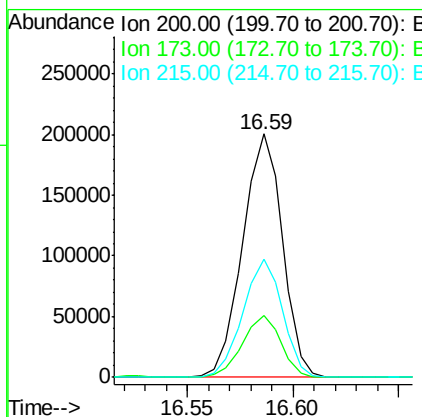
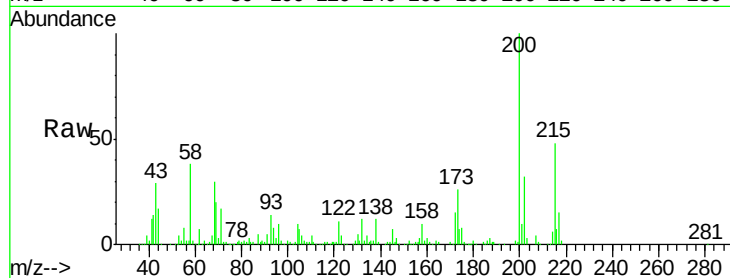
ClientSampleId :

SSTD04064

Tot Ion:	200	Resp:	262391
Ion Ratio	Lower	Upper	
200	100		
173	25.7	19.0	28.4
215	48.5	37.4	56.2

Manual Integrations
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#68

Pentachlorophenol

Concen: 43.83 ng/ul

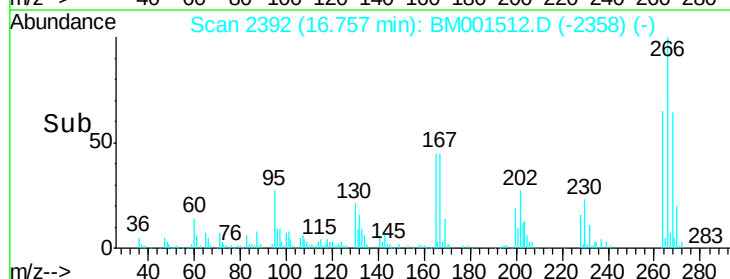
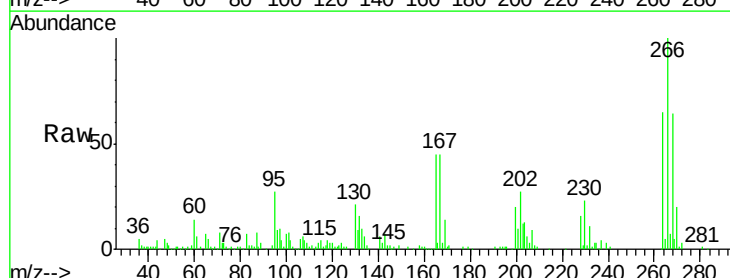
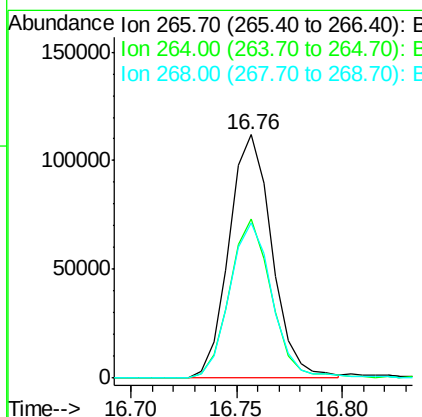
RT: 16.76 min Scan# 2392

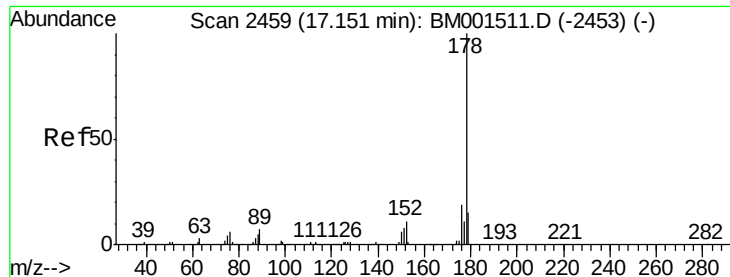
Delta R.T. 0.00 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Tgt Ion:	266	Resp:	157679
Ion Ratio	Lower	Upper	
266	100		
264	65.5	51.2	76.8
268	63.9	51.8	77.8





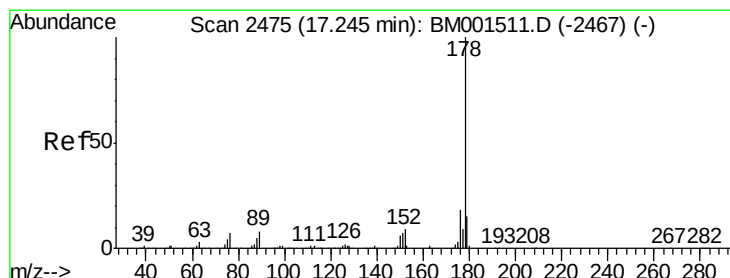
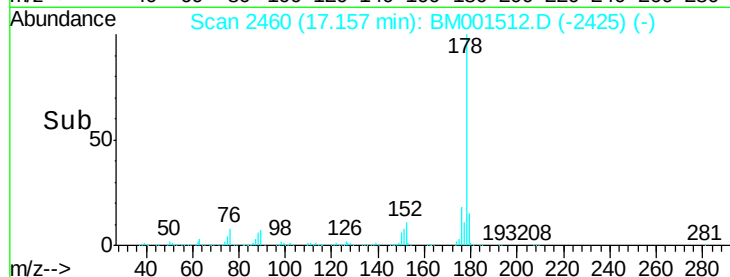
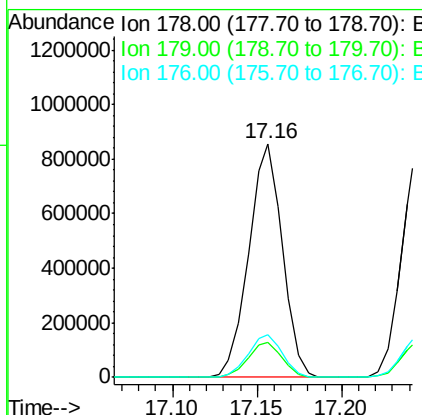
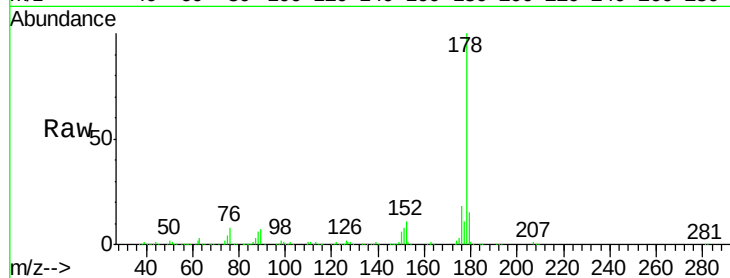
#69
Phenanthrene
Concen: 39.69 ng/ul
RT: 17.16 min Scan# 2460
Delta R.T. 0.01 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Instrument :
BNA_M
ClientSampleId :
SSTD04064

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.3	18.5
176	18.2	15.0	22.4

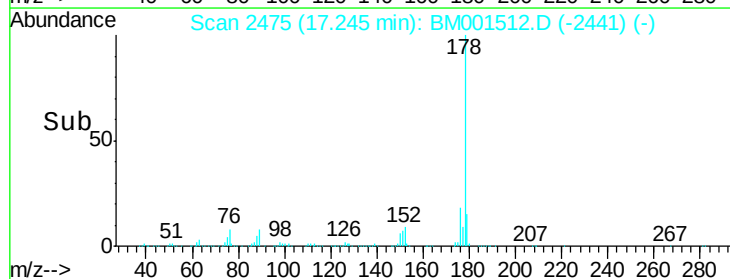
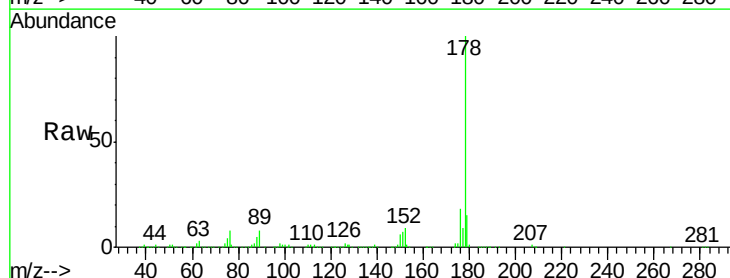
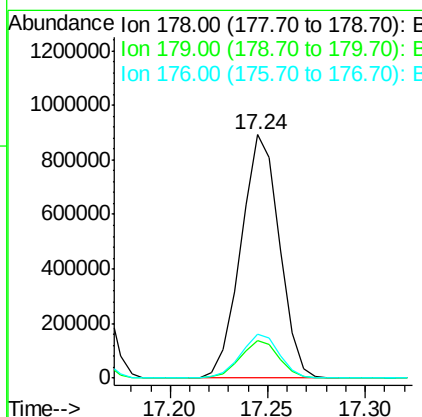
Manual Integrations
APPROVED

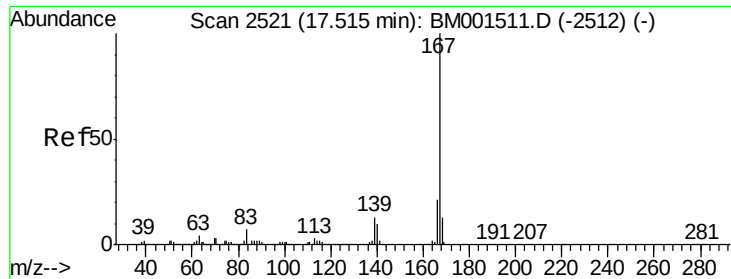
apatel
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#71
Anthracene
Concen: 39.81 ng/ul
RT: 17.24 min Scan# 2475
Delta R.T. 0.00 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.1	18.1
176	18.1	14.3	21.5





#72

Carbazole

Concen: 38.38 ng/ul

RT: 17.52 min Scan# 2521

Delta R.T. 0.00 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Instrument :

BNA_M

ClientSampleId :

SSTD04064

Tot Ion:167 Resp: 1094390

Ion Ratio Lower Upper

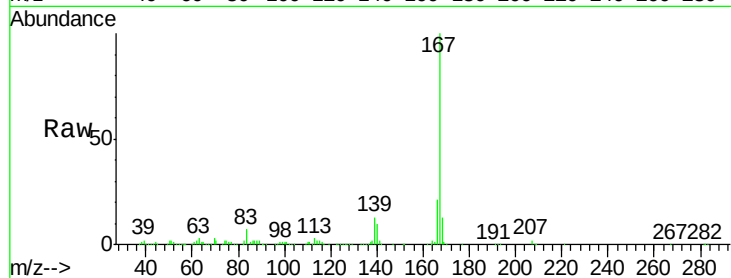
167 100

166 21.5 16.6 25.0

139 12.9 10.4 15.6

Manual Integrations
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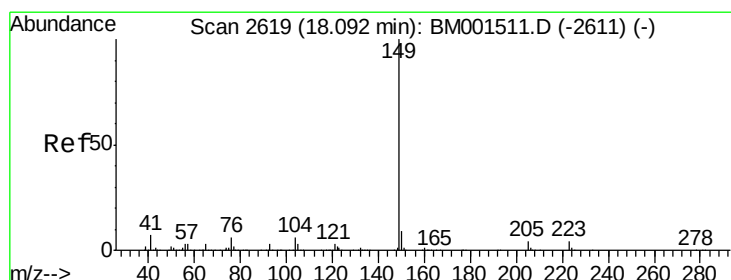
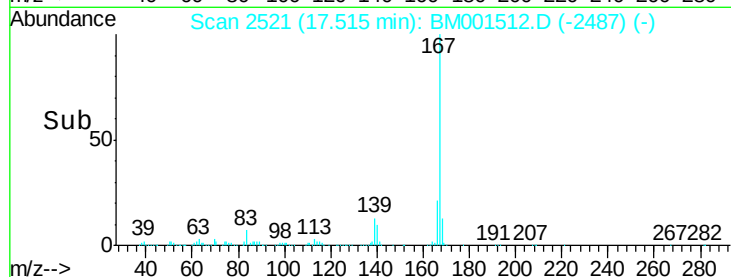
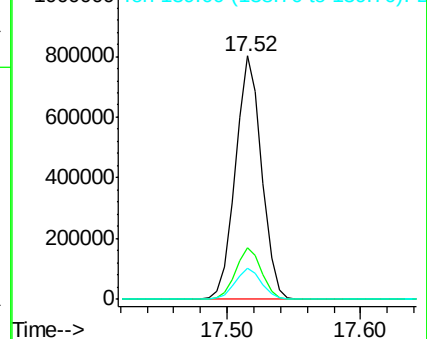
apatel
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 40.23 ng/ul

RT: 18.09 min Scan# 2619

Delta R.T. 0.00 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

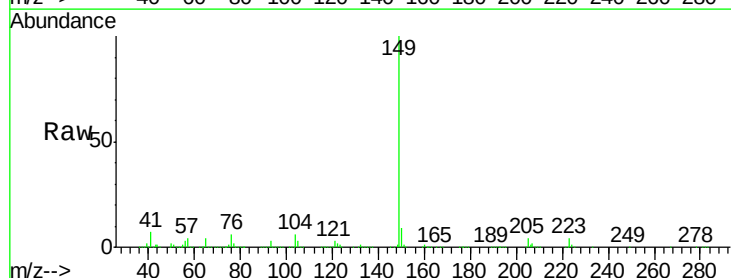
Tgt Ion:149 Resp: 1323998

Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.0

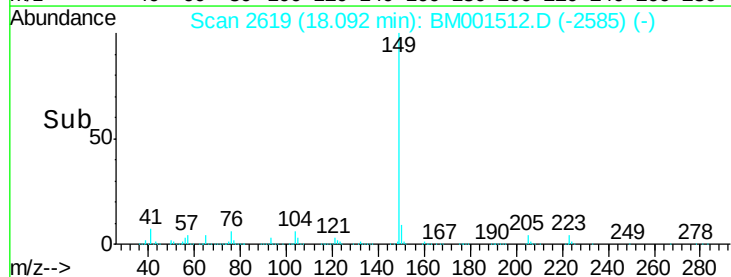
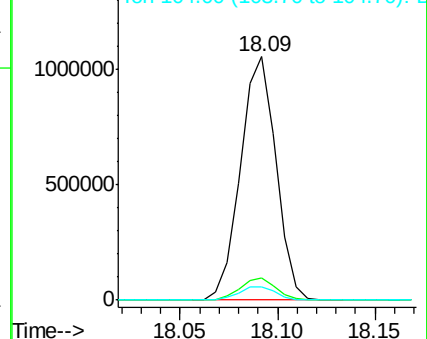
104 5.7 4.7 7.1

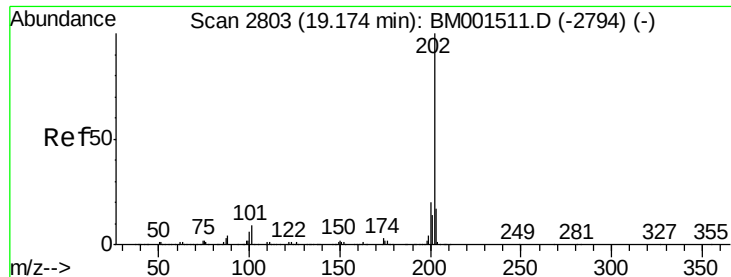


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 39.83 ng/ul

RT: 19.17 min Scan# 2803

Delta R.T. 0.00 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Instrument :

BNA_M

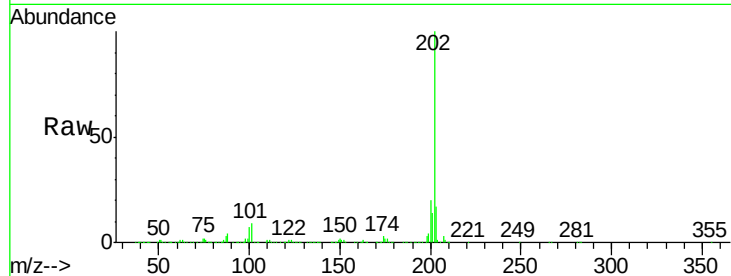
ClientSampleId :

SSTD04064

Tot Ion:	202	Resp:	1436603
Ion Ratio	Lower	Upper	
202	100		
101	8.5	7.0	10.4
100	6.8	5.1	7.7

Manual Integrations
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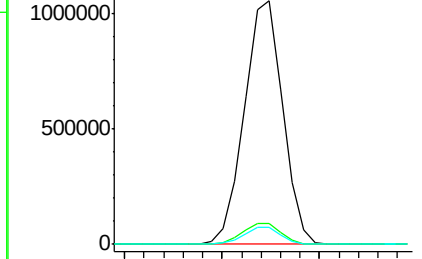
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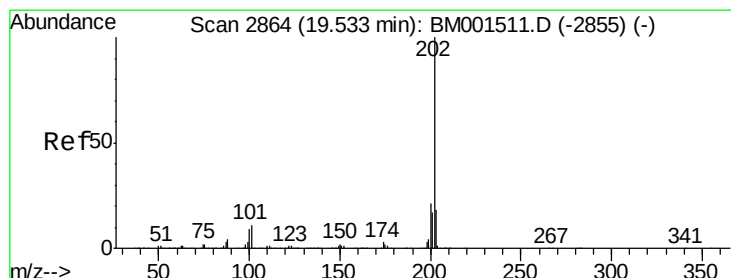
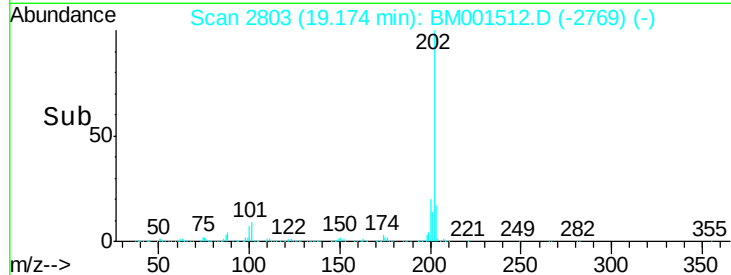
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#77

Pyrene

Concen: 40.58 ng/ul

RT: 19.54 min Scan# 2865

Delta R.T. 0.01 min

Lab File: BM001512.D

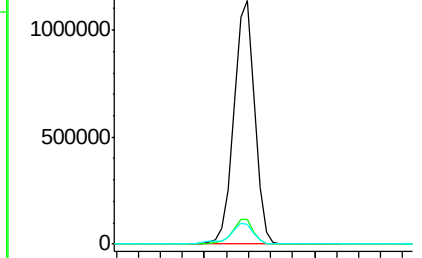
Acq: 01 Jun 2015 22:01

Tgt Ion:	202	Resp:	1503620
Ion Ratio	Lower	Upper	
202	100		
101	10.0	8.5	12.7
100	8.0	7.4	11.0

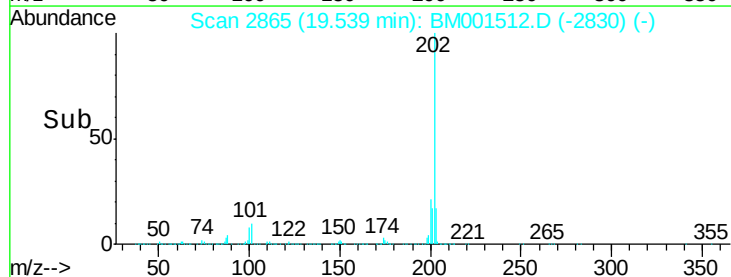
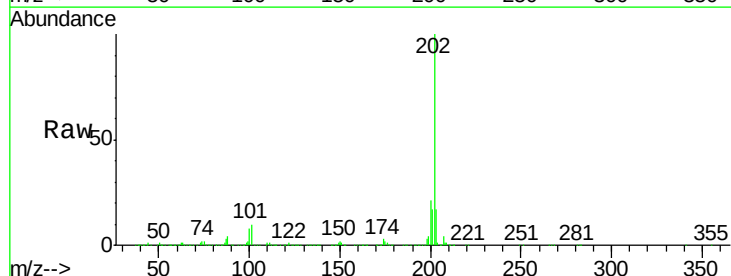
Abundance Ion 202.00 (201.70 to 202.70): E

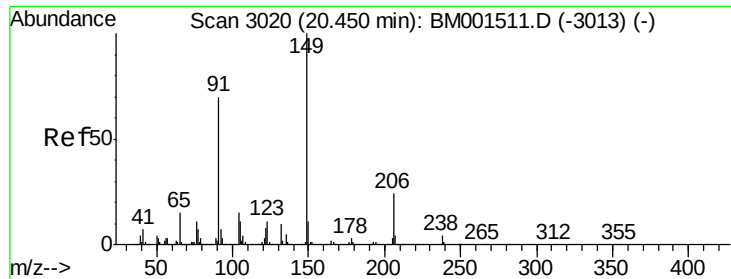
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





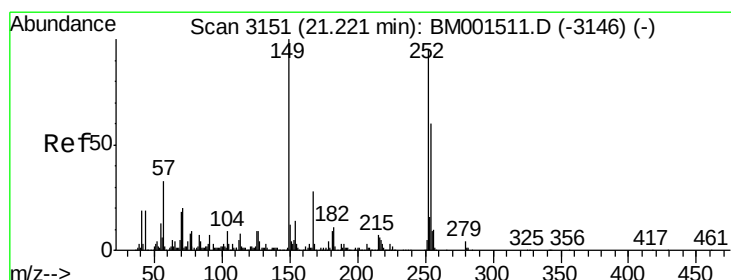
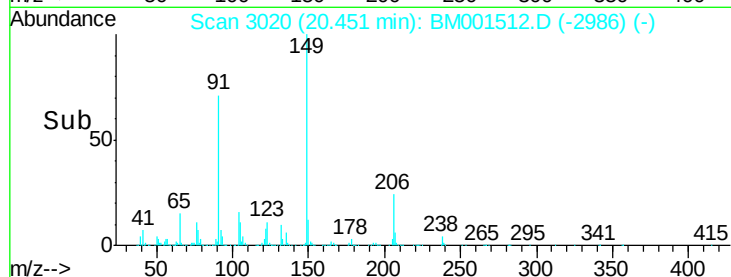
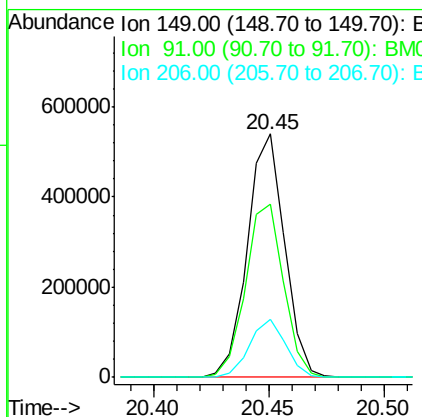
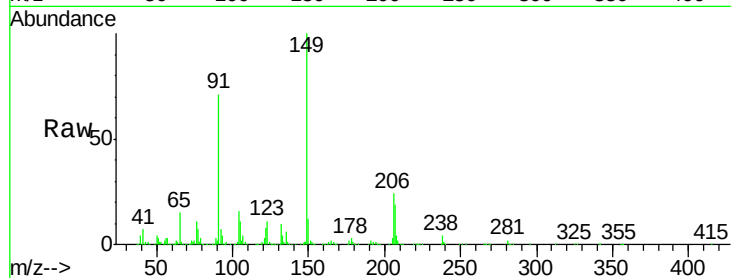
#78
Butylbenzylphthalate
Concen: 41.45 ng/ul
RT: 20.45 min Scan# 3020
Delta R.T. 0.00 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Instrument :
BNA_M
ClientSampleId :
SSTD04064

Tot Ion	Ratio	Resp	Lower	Upper
149	100	606290		
91	71.2	56.2	84.2	
206	24.1	19.2	28.8	

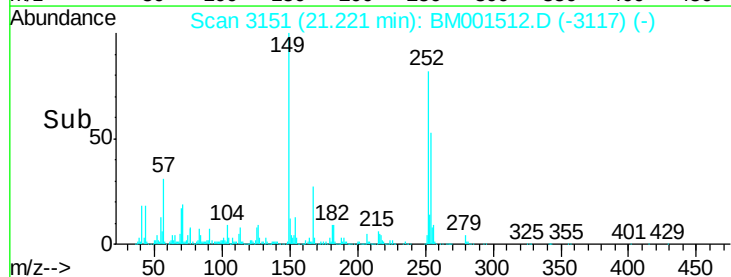
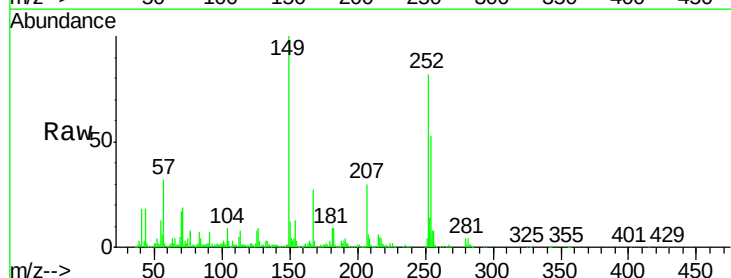
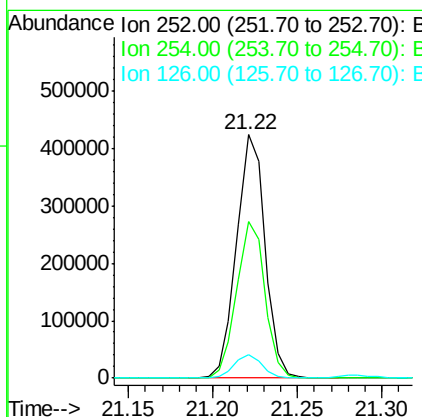
Manual Integrations
APPROVED

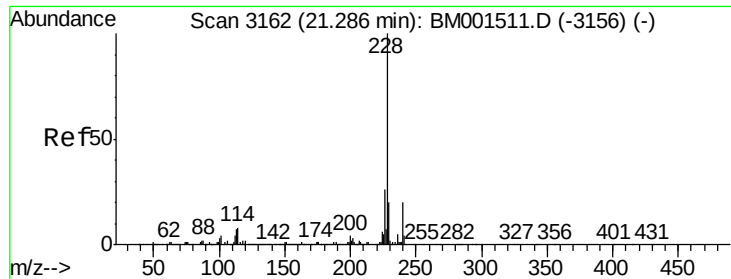
apatel
6/2/2015 1:21:36 PM



#79
3,3'-Dichlorobenzidine
Concen: 41.84 ng/ul
RT: 21.22 min Scan# 3151
Delta R.T. 0.00 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	500667		
254	64.3	50.6	75.8	
126	9.8	8.0	12.0	





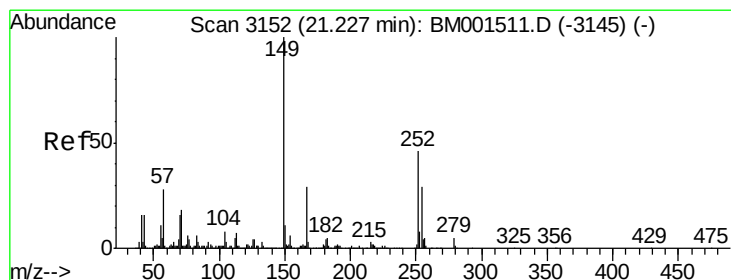
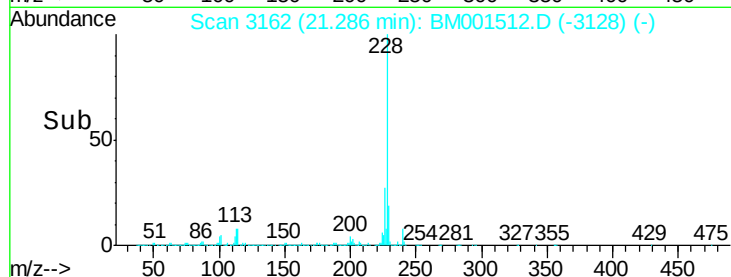
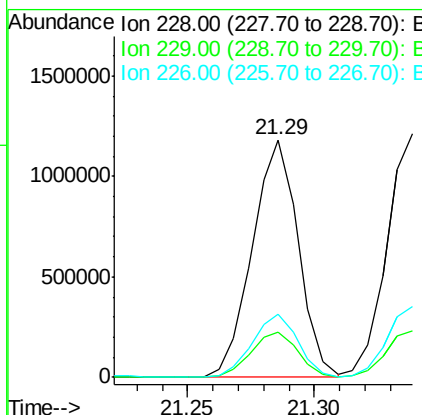
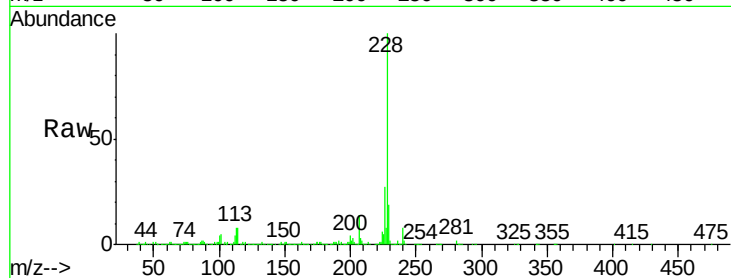
#80
Benzo(a)anthracene
Concen: 41.17 ng/ul
RT: 21.29 min Scan# 3162
Delta R.T. 0.00 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Instrument :
BNA_M
ClientSampleId :
SSTD04064

Tot Ion	Ratio	Lower	Upper
228	100		
229	19.3	15.8	23.6
226	26.7	20.9	31.3

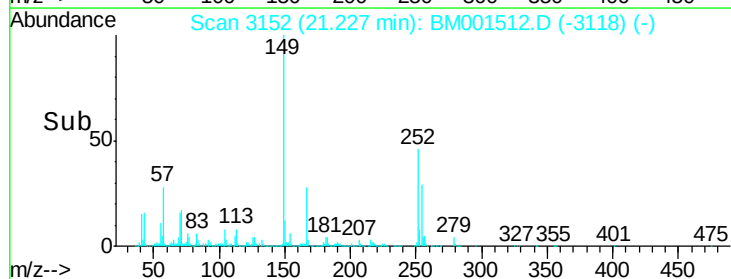
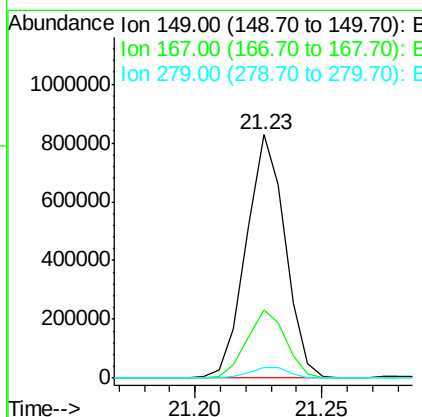
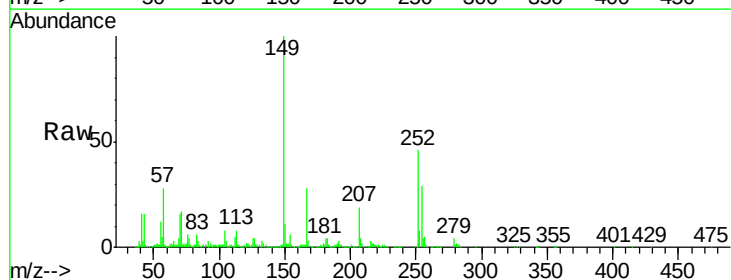
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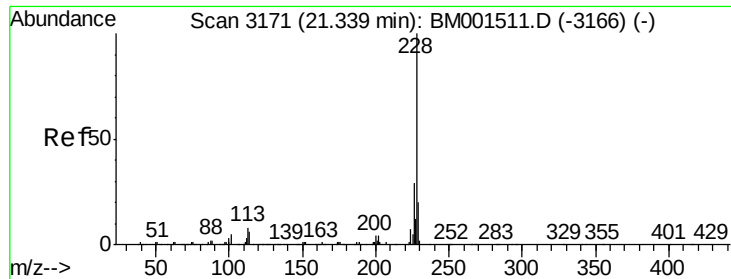
apatel
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#81
Bis(2-ethylhexyl)phthalate
Concen: 38.78 ng/ul
RT: 21.23 min Scan# 3152
Delta R.T. 0.00 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.8	34.2
279	4.5	3.7	5.5





#82

Chrysene

Concen: 41.50 ng/ul

RT: 21.34 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Instrument :

BNA_M

ClientSampleId :

SSTD04064

Tot Ion:228 Resp: 1412043

Ion Ratio Lower Upper

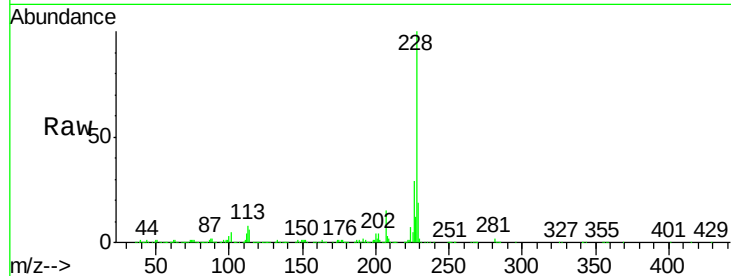
228 100

226 28.9 23.1 34.7

229 19.3 15.8 23.6

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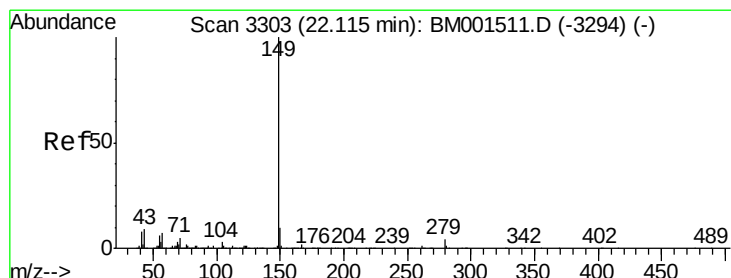
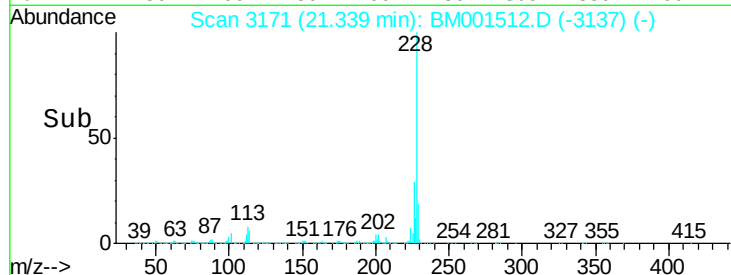
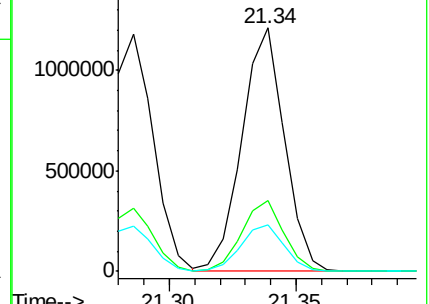
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Di-n-octyl phthalate

Concen: 34.04 ng/ul

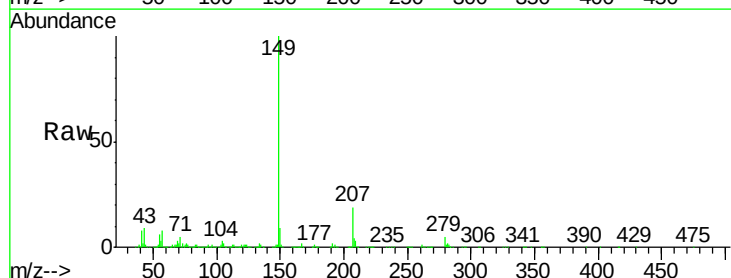
RT: 22.12 min Scan# 3303

Delta R.T. 0.00 min

Lab File: BM001512.D

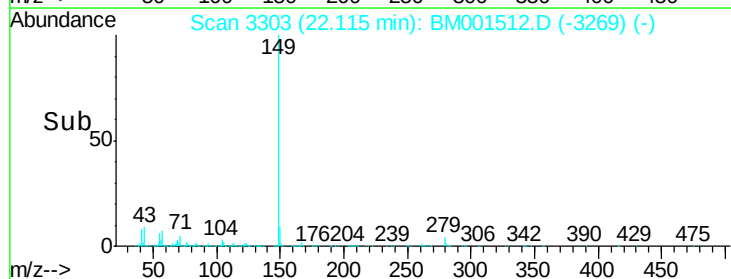
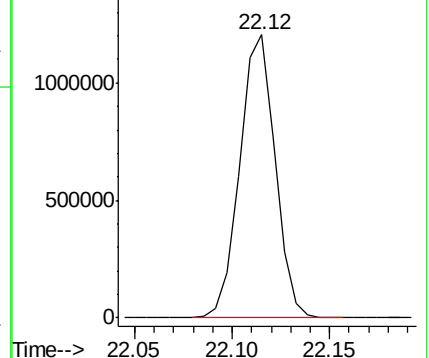
Acq: 01 Jun 2015 22:01

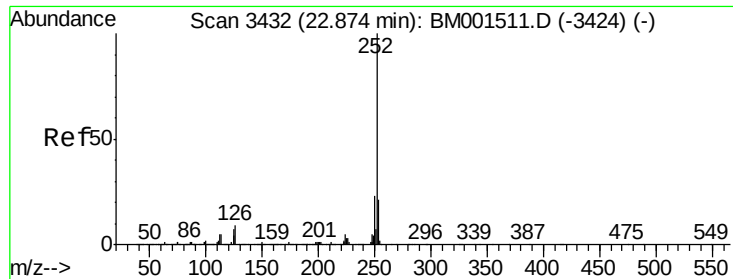
Tgt Ion:149 Resp: 1501353



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E





#85

Benzo(b)fluoranthene

Concen: 40.35 ng/ul

RT: 22.87 min Scan# 3432

Delta R.T. 0.00 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

Instrument :

BNA_M

ClientSampleId :

SSTD04064

Tot Ion:252 Resp: 1508413

Ion Ratio Lower Upper

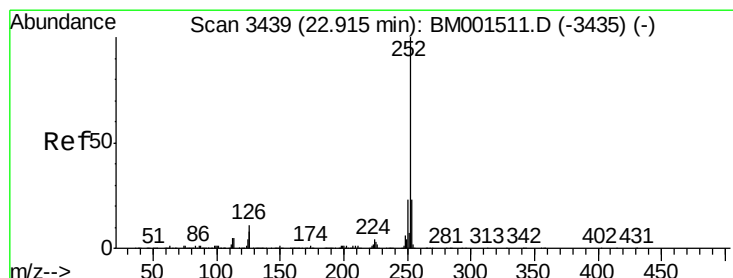
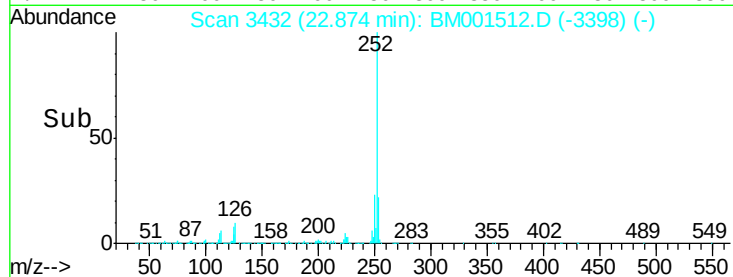
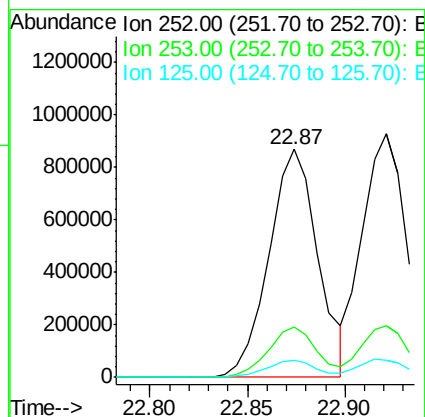
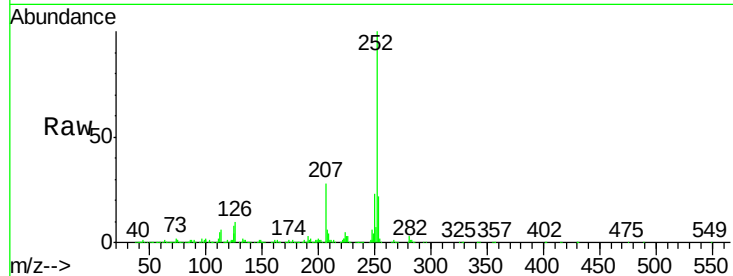
252 100

253 22.0 17.2 25.8

125 7.7 5.8 8.8

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#86

Benzo(k)fluoranthene

Concen: 40.42 ng/ul

RT: 22.92 min Scan# 3440

Delta R.T. 0.01 min

Lab File: BM001512.D

Acq: 01 Jun 2015 22:01

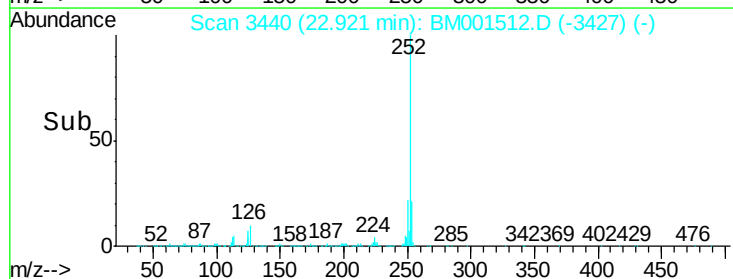
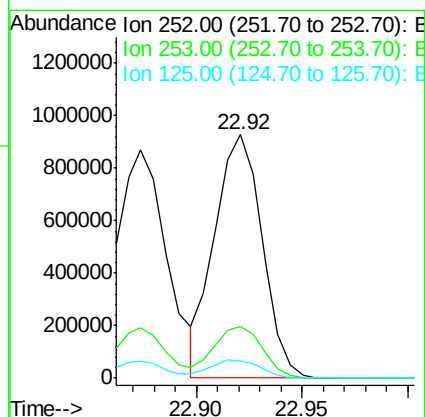
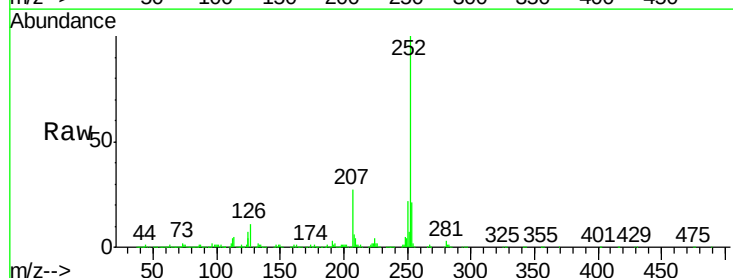
Tgt Ion:252 Resp: 1441113

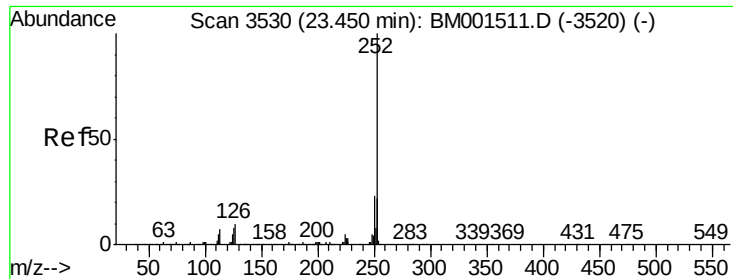
Ion Ratio Lower Upper

252 100

253 21.4 18.2 27.2

125 7.2 6.4 9.6





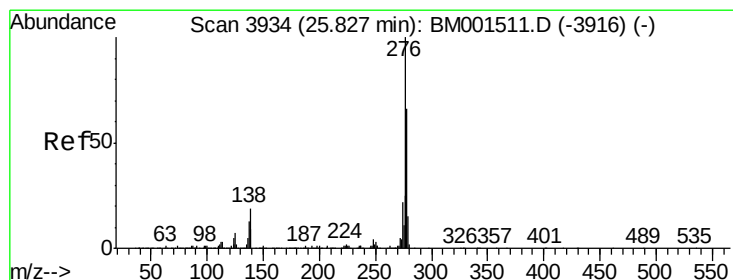
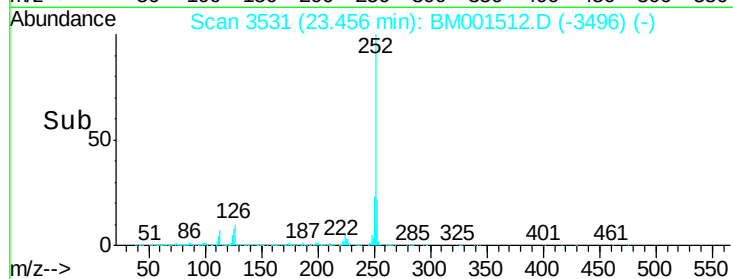
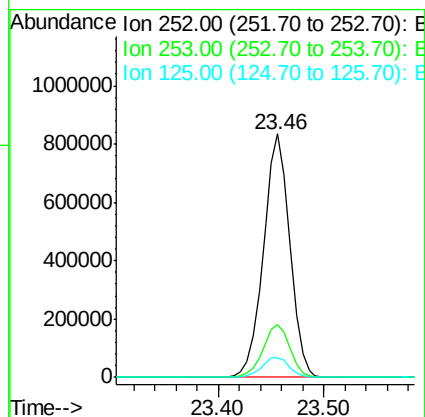
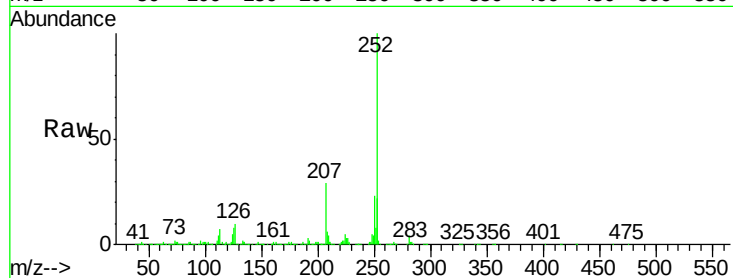
#88
Benzo(a)pyrene
Concen: 41.20 ng/ul
RT: 23.46 min Scan# 3531
Delta R.T. 0.01 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Instrument :
BNA_M
ClientSampleId :
SSTD04064

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	8.3	6.9	10.3

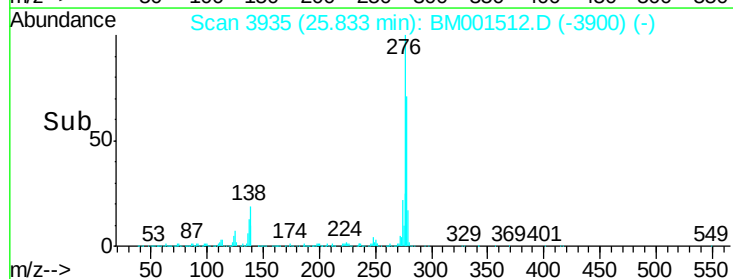
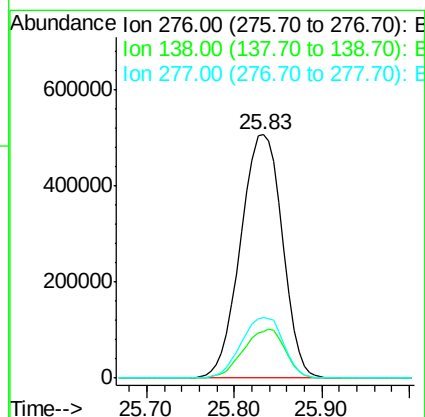
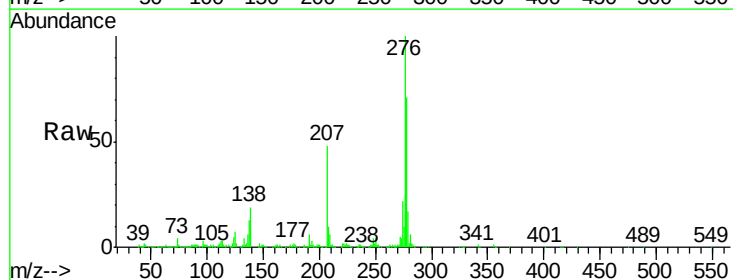
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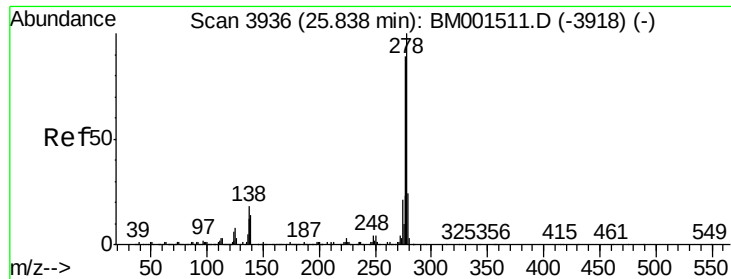
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#89
Indeno(1,2,3-cd)pyrene
Concen: 43.59 ng/ul
RT: 25.83 min Scan# 3935
Delta R.T. 0.01 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.2	15.3	22.9
277	25.0	20.4	30.6





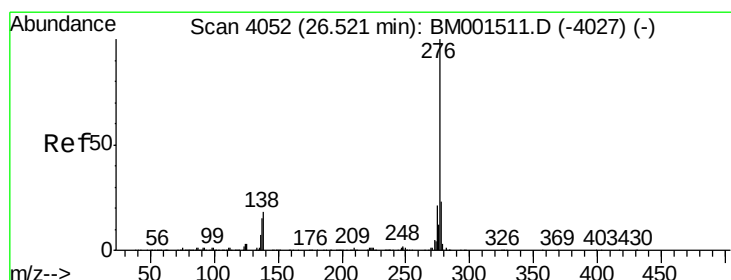
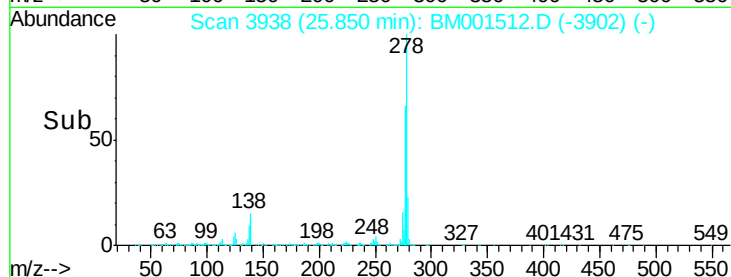
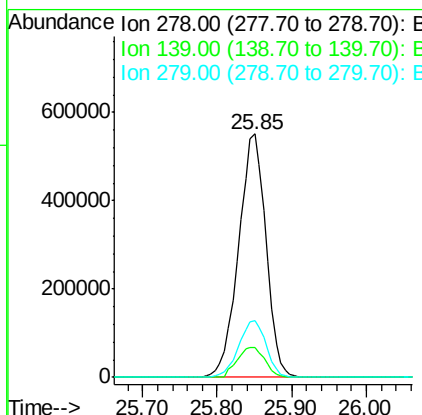
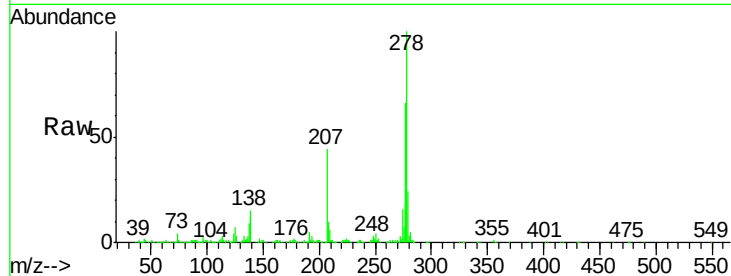
#90
Dibenzo(a,h)anthracene
Concen: 44.21 ng/ul
RT: 25.85 min Scan# 3938
Delta R.T. 0.01 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Instrument :
BNA_M
ClientSampleId :
SSTD04064

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.2	11.0	16.4
279	23.5	19.4	29.2

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 44.50 ng/ul
RT: 26.53 min Scan# 4053
Delta R.T. 0.01 min
Lab File: BM001512.D
Acq: 01 Jun 2015 22:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.7	14.2	21.2
277	24.0	18.6	27.8

