

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071118\
 Data File : BM015905.D
 Acq On : 12 Jul 2018 09:04
 Operator : SJ/JU
 Sample : J3824-02MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HD-02-071018MSD

Manual Integrations
 APPROVED

Sohil
 7/12/2018 6:47:05 PM

Quant Time: Jul 12 09:52:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 05 17:39:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	90337	20.00	ng	-0.02
21) Naphthalene-d8	11.12	136	346125	20.00	ng	-0.03
38) Acenaphthene-d10	14.91	164	177516	20.00	ng	-0.02
63) Phenanthrene-d10	17.64	188	345190	20.00	ng	-0.02
75) Chrysene-d12	21.74	240	309502	20.00	ng	-0.02
86) Perylene-d12	24.14	264	296384	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	817892	155.27	ng	-0.02
7) Phenol-d6	7.45	99	973191	134.95	ng	-0.02
23) Nitrobenzene-d5	9.48	82	765619	107.92	ng	-0.02
41) 2,4,6-Tribromophenol	16.39	330	355441	153.24	ng	-0.02
44) 2-Fluorobiphenyl	13.54	172	1529356	106.96	ng	-0.02
78) Terphenyl-d14	20.20	244	1822882	109.25	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.58	88	92056	42.256	ng	# 100
3) Pyridine	4.02	79	167980	29.220	ng	# 82
4) n-Nitrosodimethylamine	3.92	42	209609	46.826	ng	# 42
6) Aniline	7.62	93	81366	9.307	ng	# 90
8) 2-Chlorophenol	7.85	128	312143	49.374	ng	94
9) Benzaldehyde	7.43	77	162830	35.825	ng	92
10) Phenol	7.47	94	316279	43.649	ng	94
11) bis(2-Chloroethyl)ether	7.71	93	264731	44.912	ng	89
12) 1,3-Dichlorobenzene	8.17	146	331627	47.312	ng	# 91
13) 1,4-Dichlorobenzene	8.33	146	335231	46.249	ng	# 95
14) 1,2-Dichlorobenzene	8.65	146	327800	46.761	ng	# 94
15) Benzyl Alcohol	8.55	79	276250	44.125	ng	# 88
16) 2,2'-oxybis(1-Chloropropan	8.82	45	408317	63.428	ng	99
17) 2-Methylphenol	8.74	107	234122	46.637	ng	# 86
18) Hexachloroethane	9.37	117	137198	47.869	ng	96
19) n-Nitroso-di-n-propylamine	9.11	70	233991	40.374	ng	# 80
20) 3+4-Methylphenols	9.07	107	299832	42.998	ng	90
22) Acetophenone	9.13	105	440206	48.821	ng	# 86
24) Nitrobenzene	9.52	77	368070	53.301	ng	98
25) Isophorone	10.04	82	594027	54.862	ng	# 94
26) 2-Nitrophenol	10.23	139	156278	52.557	ng	# 62
27) 2,4-Dimethylphenol	10.28	122	257244	56.947	ng	86
28) bis(2-Chloroethoxy)methane	10.52	93	345776	49.017	ng	97
29) 2,4-Dichlorophenol	10.77	162	265271	53.022	ng	97
30) 1,2,4-Trichlorobenzene	10.97	180	298979	51.451	ng	98
31) Naphthalene	11.17	128	904249	50.389	ng	99
32) Benzoic acid	10.46	122	149583	37.401	ng	# 84
33) 4-Chloroaniline	11.30	127	45700	6.246	ng	# 88
34) Hexachlorobutadiene	11.42	225	197742	50.989	ng	99
35) Caprolactam	12.09	113	55750m	33.600	ng	
36) 4-Chloro-3-methylphenol	12.39	107	275554	48.001	ng	88
37) 2-Methylnaphthalene	12.76	142	654743	51.290	ng	# 93
39) 1,2,4,5-Tetrachlorobenzene	13.12	216	322214	56.554	ng	# 100
40) Hexachlorocyclopentadiene	13.08	237	354599	126.984	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.36	196	196320	54.511	nq	99
43) 2,4,5-Trichlorophenol	13.43	196	200777	51.608	nq #	82
45) 1,1'-Biphenyl	13.75	154	808565	52.682	nq	99
46) 2-Chloronaphthalene	13.80	162	623896	54.369	nq #	91
47) 2-Nitroaniline	14.01	65	196486	49.100	nq #	78
48) Acenaphthylene	14.64	152	973234	52.135	nq	100
49) Dimethylphthalate	14.36	163	743292	47.477	nq	99
50) 2,6-Dinitrotoluene	14.50	165	155251	50.860	nq #	63
51) Acenaphthene	14.97	154	569645	49.039	nq	98
52) 3-Nitroaniline	14.83	138	58768	17.589	nq #	66
53) 2,4-Dinitrophenol	15.04	184	148601	95.769	nq #	79
54) Dibenzofuran	15.31	168	898477	50.196	nq #	88
55) 4-Nitrophenol	15.13	139	205839	83.477	nq #	75
56) 2,4-Dinitrotoluene	15.29	165	209969	47.645	nq	98
57) Fluorene	15.95	166	709324	48.056	nq	100
58) 2,3,4,6-Tetrachlorophenol	15.53	232	167981	51.168	nq #	100
59) Diethylphthalate	15.70	149	764089	45.544	nq	96
60) 4-Chlorophenyl-phenylether	15.93	204	354554	46.681	nq #	89
61) 4-Nitroaniline	15.99	138	121356	35.012	nq #	29
62) Azobenzene	16.23	77	820930	52.201	nq	80
64) 4,6-Dinitro-2-methylphenol	16.04	198	99250	47.296	nq	85
65) n-Nitrosodiphenylamine	16.15	169	590498	49.924	nq	98
66) 4-Bromophenyl-phenylether	16.82	248	203590	52.824	nq #	81
67) Hexachlorobenzene	16.94	284	223153	51.815	nq #	75
68) Atrazine	17.09	200	195191	50.171	nq	99
69) Pentachlorophenol	17.29	266	229729	86.204	nq	99
70) Phenanthrene	17.68	178	989681	50.114	nq	99
71) Anthracene	17.77	178	1005113	51.826	nq	99
72) Carbazole	18.04	167	865203	47.874	nq	99
73) Di-n-butylphthalate	18.56	149	1169693	48.019	nq #	97
74) Fluoranthene	19.66	202	1034783	45.579	nq	100
76) Benzidine	19.84	184	90288	9.957	nq	99
77) Pyrene	20.02	202	1039287	53.906	nq	99
79) Butylbenzylphthalate	20.87	149	486776	52.232	nq #	84
80) Benzo(a)anthracene	21.73	228	987401	50.318	nq	99
81) 3,3'-Dichlorobenzidine	21.66	252	173784	24.648	nq	100
82) Chrysene	21.79	228	914454	50.025	nq	99
83) Bis(2-ethylhexyl)phthalate	21.62	149	706783	51.328	nq	95
84) Di-n-octyl phthalate	22.53	149	1141034	50.819	nq #	90
85) Indeno(1,2,3-cd)pyrene	26.61	276	1122928	66.118	nq #	93
87) Benzo(b)fluoranthene	23.41	252	965095	48.772	nq #	96
88) Benzo(k)fluoranthene	23.46	252	901070	46.877	nq	99
89) Benzo(a)pyrene	24.04	252	903627	51.877	nq	99
90) Dibenzo(a,h)anthracene	26.61	278	955723	60.982	nq	98
91) Benzo(g,h,i)perylene	27.36	276	907222	65.883	nq	95

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

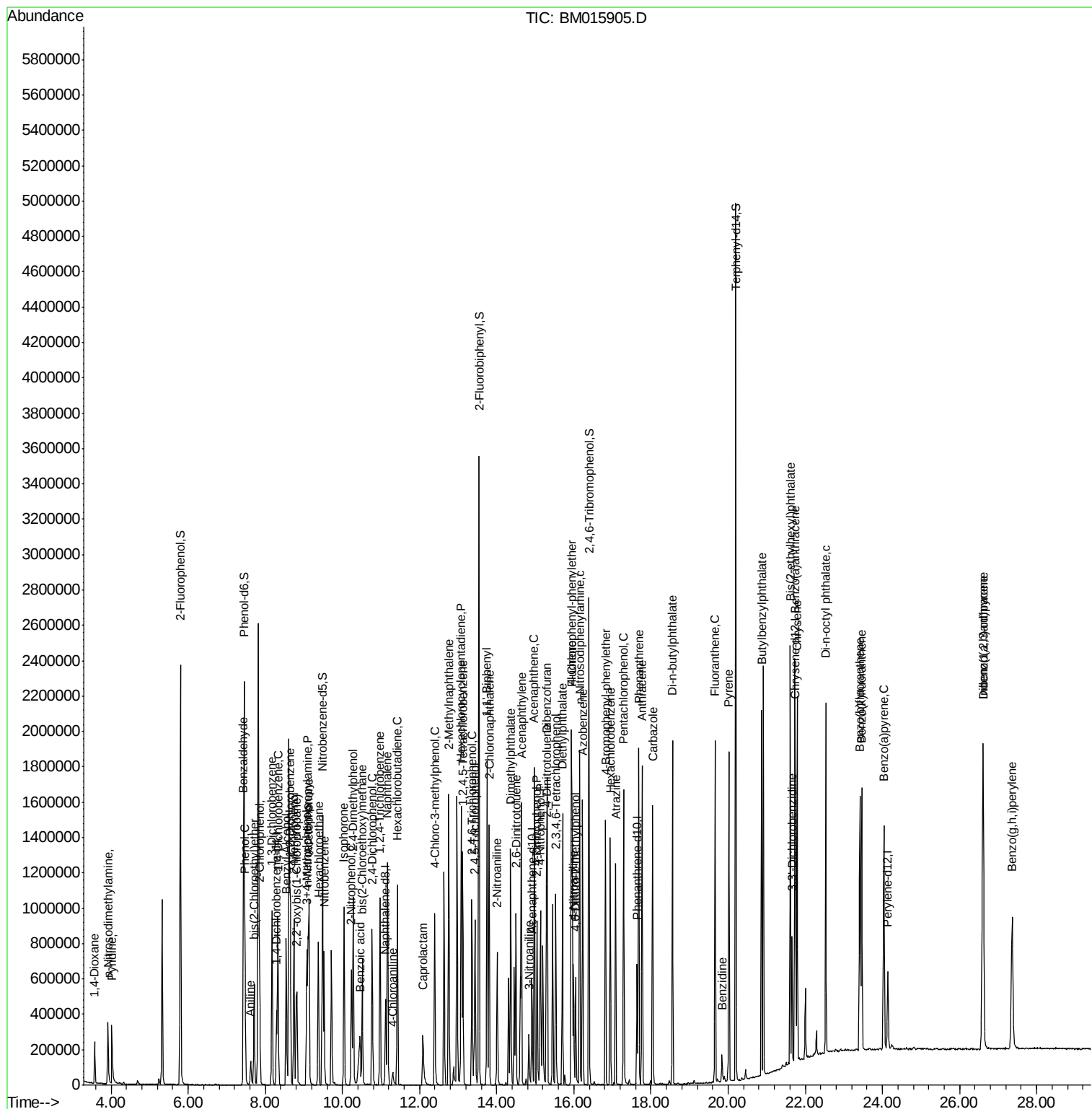
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071118\
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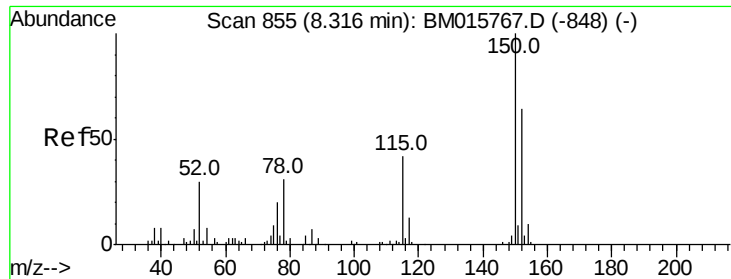
Instrument :
BNA_M
ClientSampleID :
HD-02-071018MSD

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#1

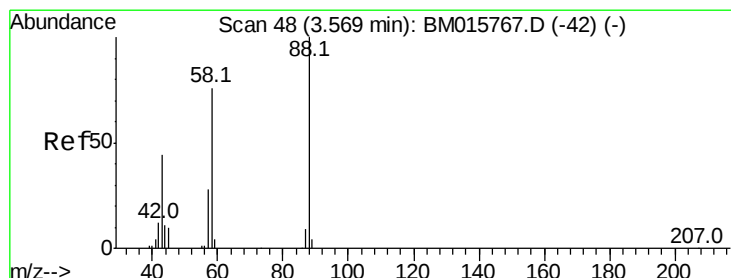
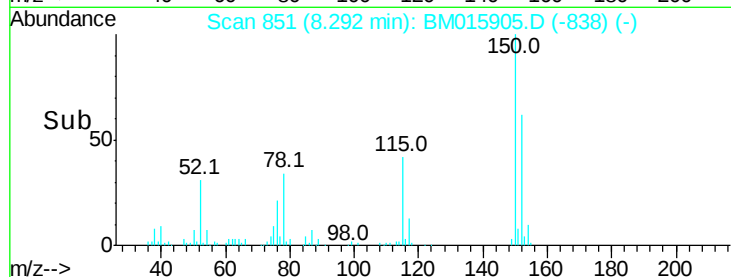
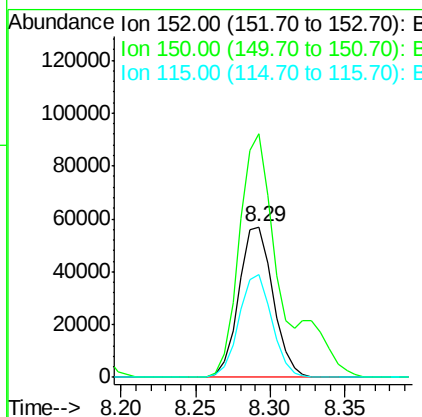
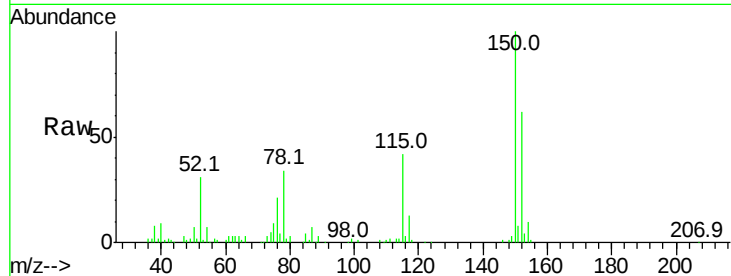
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.29 min Scan# 851
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Instrument :
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ClientSampleId :
HD-02-071018MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.5	119.5	179.3
115	68.0	43.0	64.4

Manual Integrations
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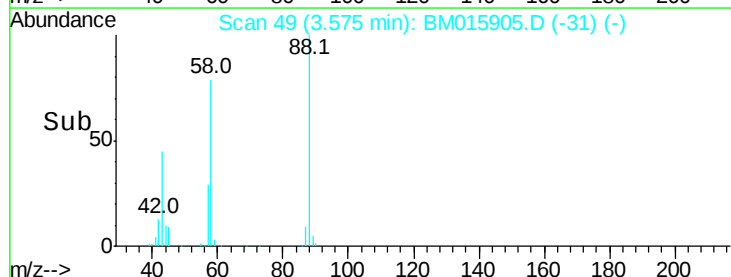
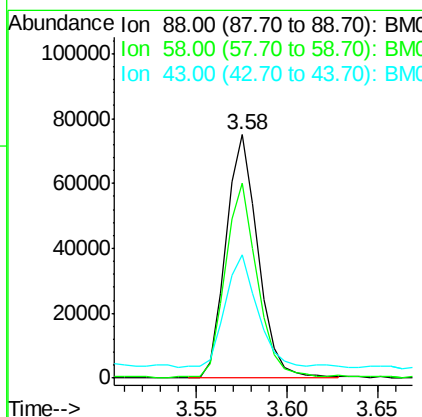
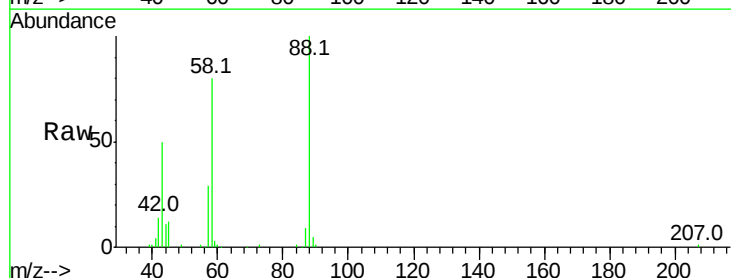
Sohil
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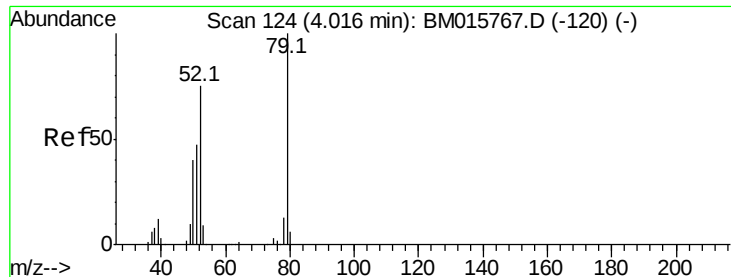


#2

1,4-Dioxane
Concen: 42.256 ng
RT: 3.58 min Scan# 49
Delta R.T. 0.01 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
88	100		
58	80.7	0.0	0.0
43	46.1	0.0	0.0





#3

Pvridine

Concen: 29.220 ng

RT: 4.02 min Scan# 125

Delta R.T. 0.01 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Instrument :

BNA_M

ClientSampleId :

HD-02-071018MSD

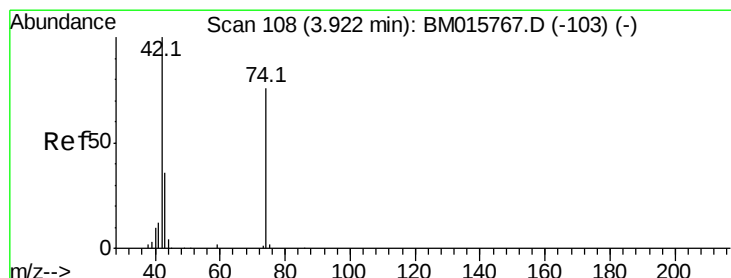
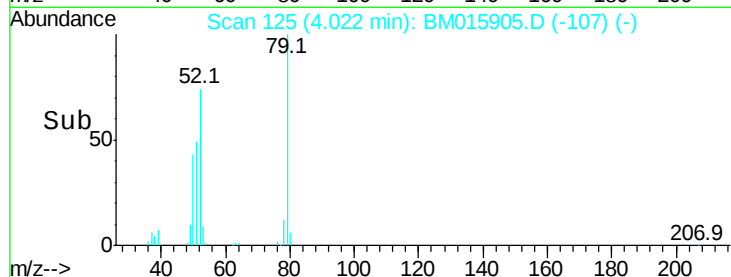
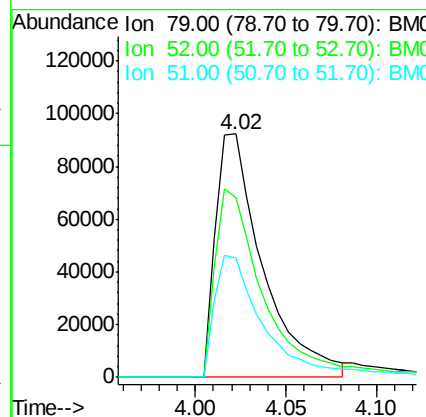
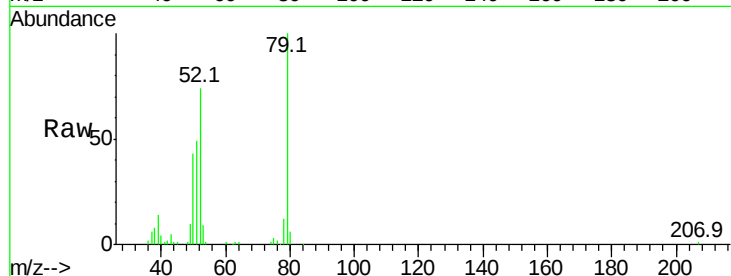
Tot Ion: 79 Resp: 167980

Ion	Ratio	Lower	Upper
79	100		
52	74.0	51.1	76.7
51	49.0	26.1	39.1#

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#4

n-Nitrosodimethylamine

Concen: 46.826 ng

RT: 3.92 min Scan# 107

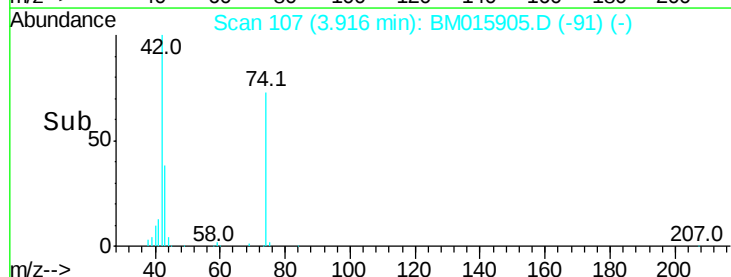
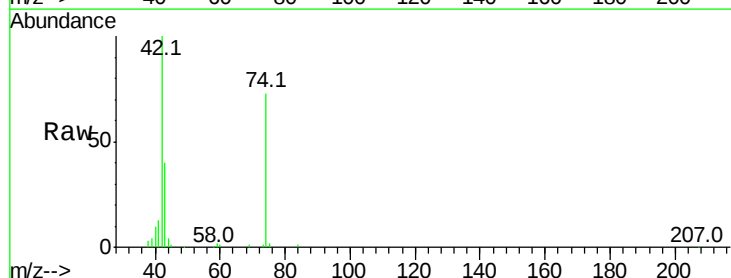
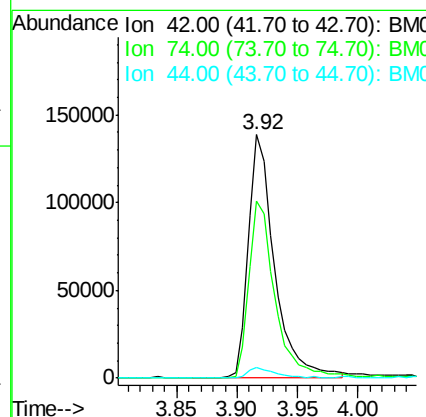
Delta R.T. -0.01 min

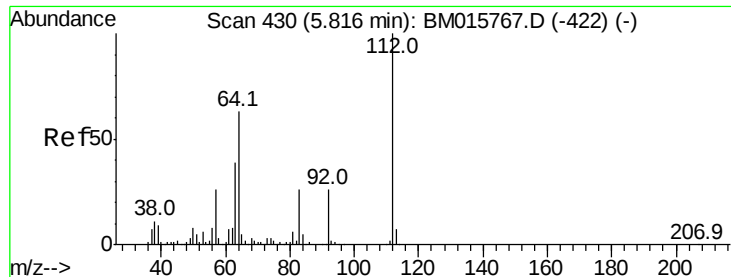
Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Tgt Ion: 42 Resp: 209609

Ion	Ratio	Lower	Upper
42	100		
74	72.8	119.3	178.9#
44	4.3	5.4	8.2#





#5

2-Fluorophenol

Concen: 46.826 ng

RT: 5.80 min Scan# 427

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Instrument :

BNA_M

ClientSampleId :

HD-02-071018MSD

Tot Ion: 112 Resp: 817892

Ion Ratio Lower Upper

112 100

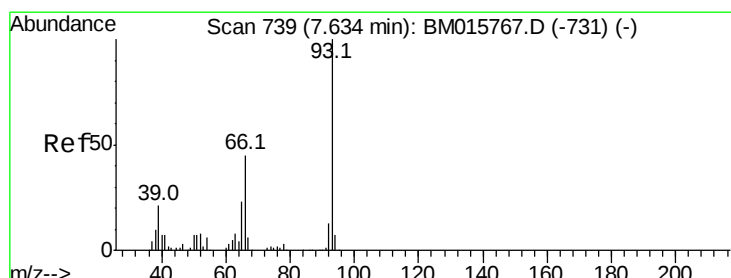
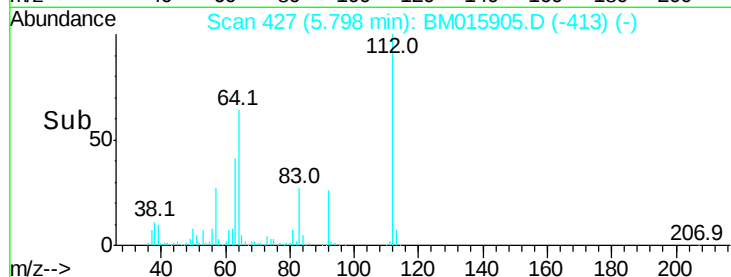
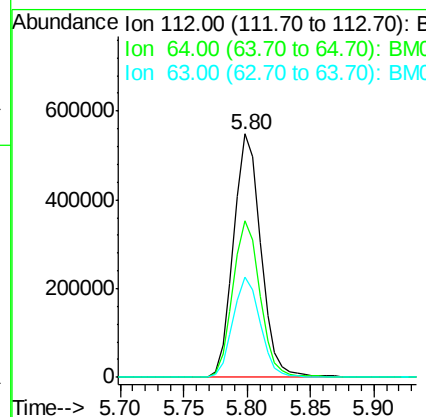
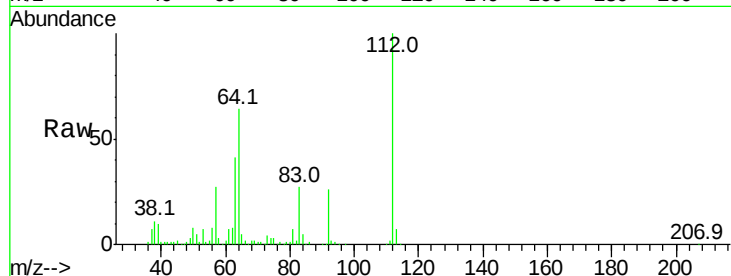
64 64.2 38.6 57.8#

63 41.3 19.3 28.9#

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#6

Aniline

Concen: 9.307 ng

RT: 7.62 min Scan# 737

Delta R.T. -0.01 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

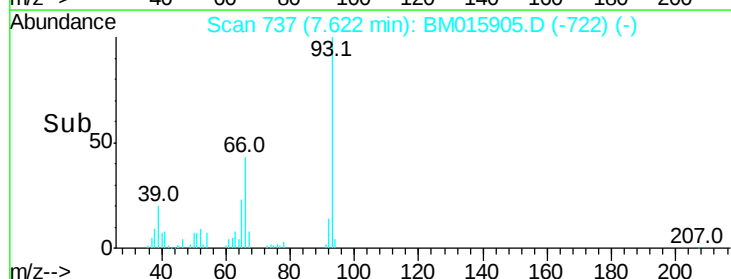
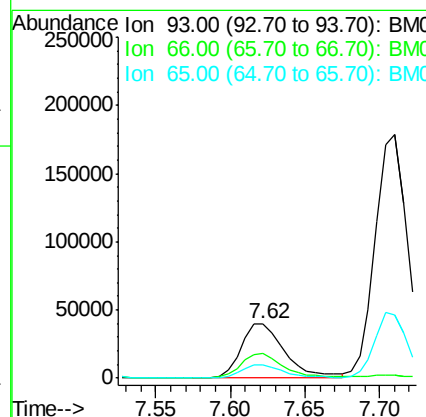
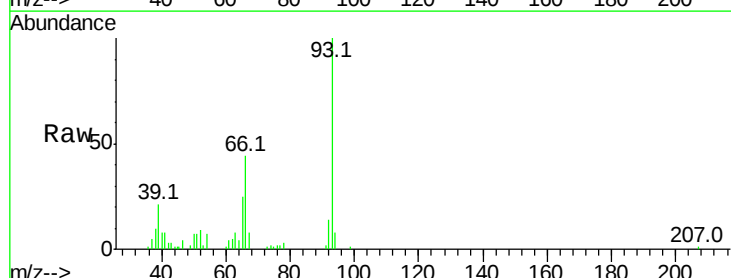
Tgt Ion: 93 Resp: 81366

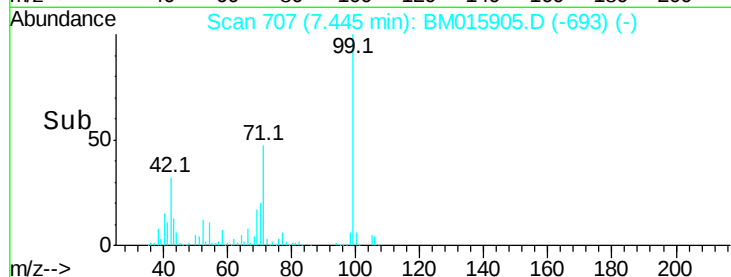
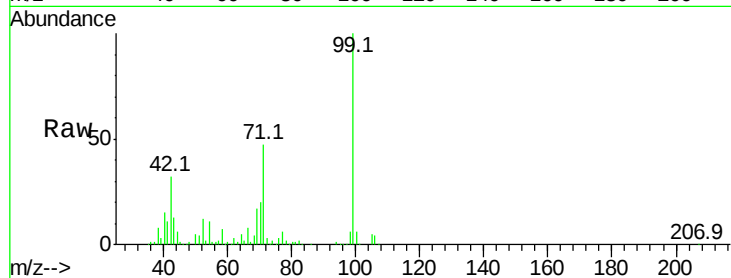
Ion Ratio Lower Upper

93 100

66 44.4 30.8 46.2

65 24.5 16.0 24.0#





#7

Phenol-d6

Concen: 9.307 ng

RT: 7.45 min Scan# 707

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Tot Ion	99	Resp	973191
Ion Ratio	Lower	Upper	
99	100		
42	32.3	11.0	16.4#
71	47.1	23.4	35.2#

Instrument :

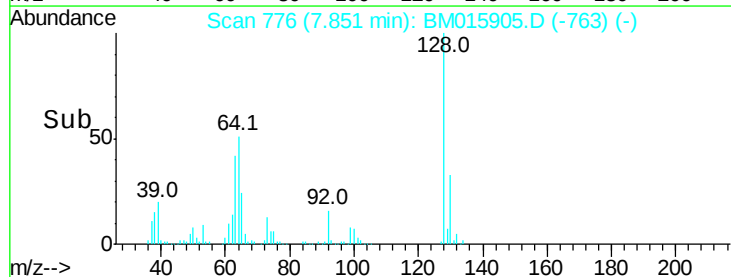
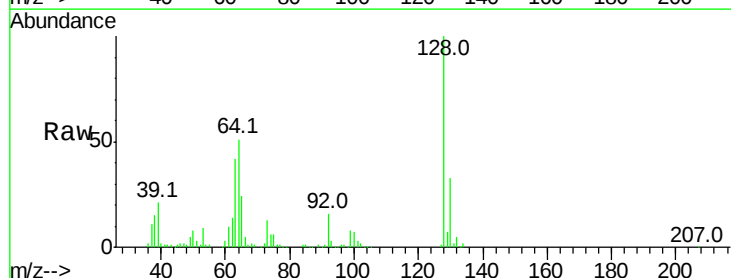
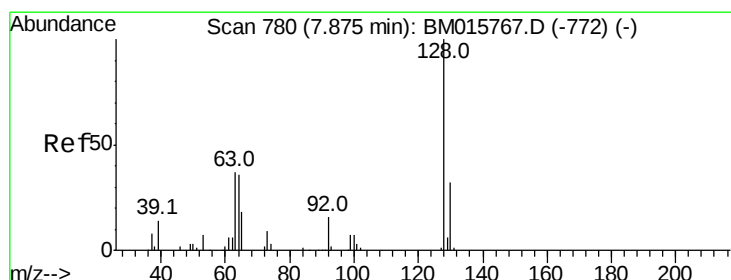
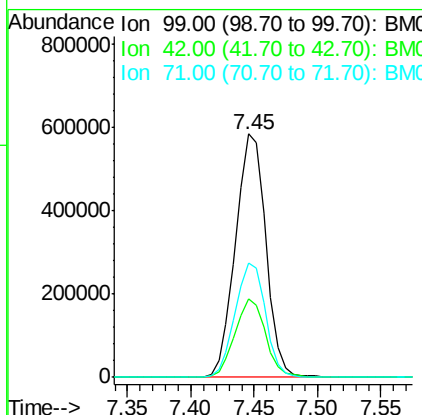
BNA_M

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#8

2-Chlorophenol

Concen: 49.374 ng

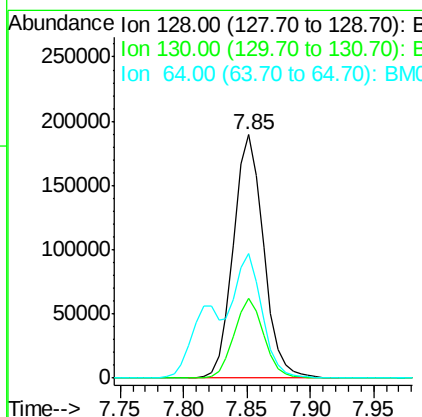
RT: 7.85 min Scan# 776

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Tgt Ion	128	Resp	312143
Ion Ratio	Lower	Upper	
128	100		
130	32.6	12.0	52.0
64	51.1	24.9	64.9





#9

Benzaldehyde

Concen: 35.825 ng

RT: 7.43 min Scan# 704

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Instrument :

BNA_M

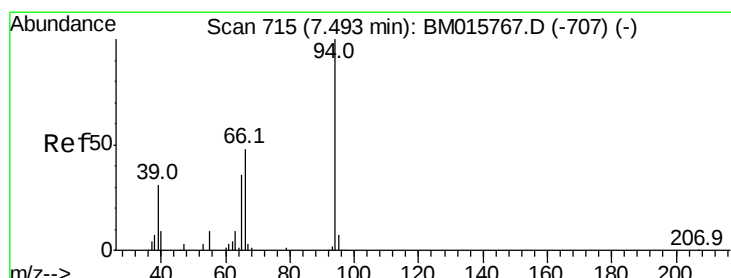
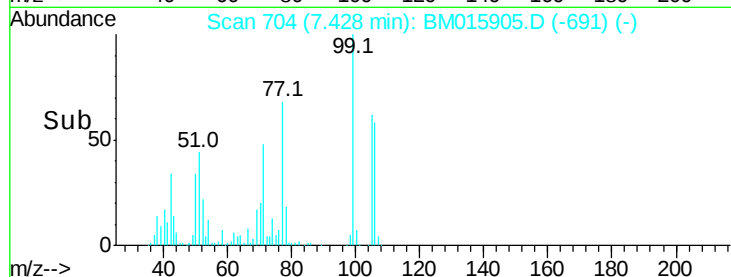
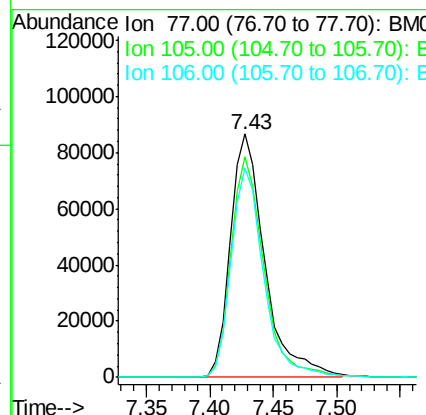
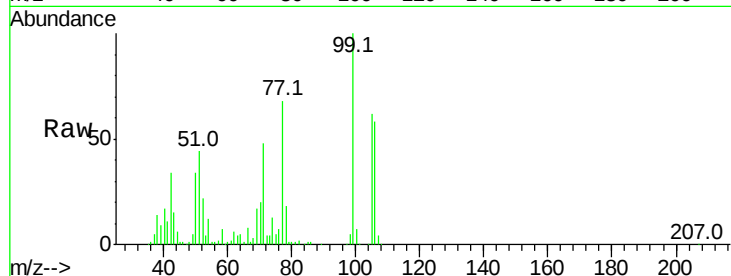
ClientSampleId :

HD-02-071018MSD

Tot Ion:	77	Resp:	162830
Ion Ratio	Lower	Upper	
77	100		
105	90.6	78.8	118.8
106	85.8	73.7	113.7

Manual Integrations
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#10

Phenol

Concen: 43.649 ng

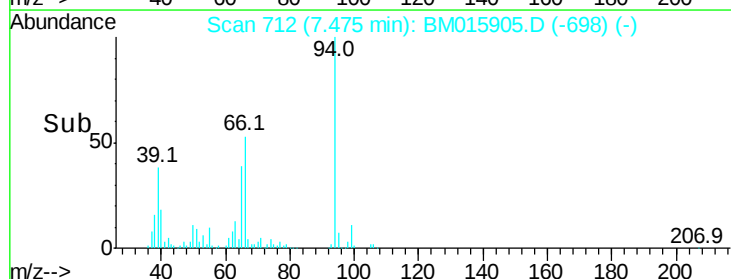
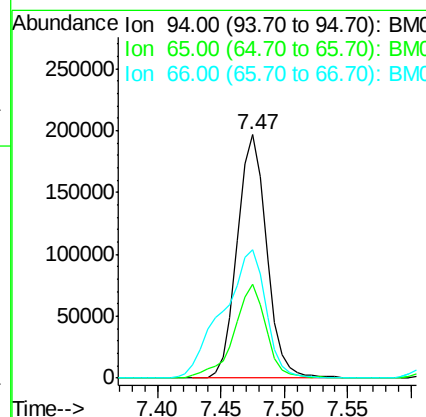
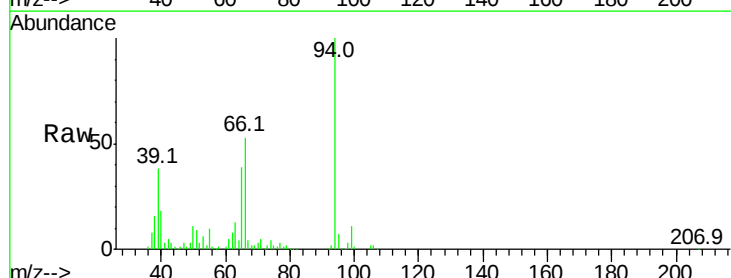
RT: 7.47 min Scan# 712

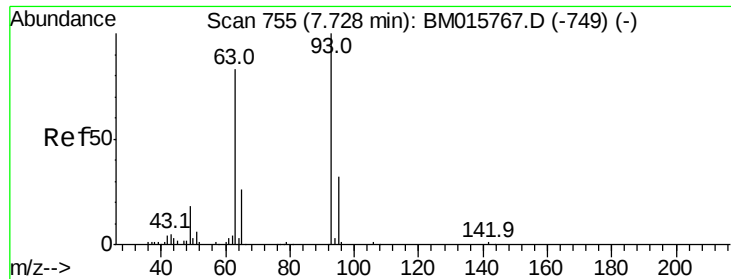
Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Tgt Ion:	94	Resp:	316279
Ion Ratio	Lower	Upper	
94	100		
65	38.5	18.8	58.8
66	52.9	39.9	79.9





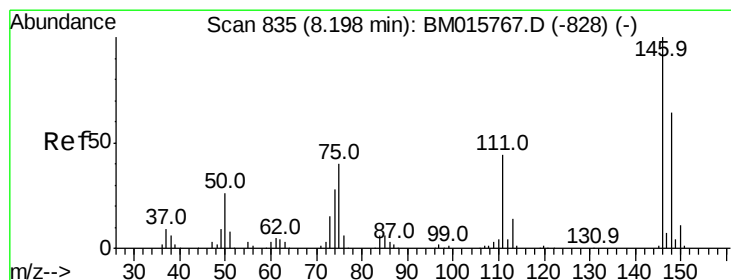
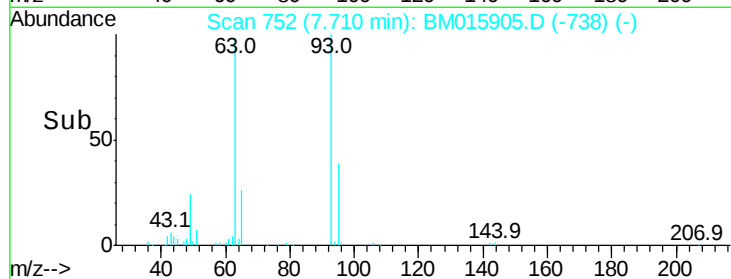
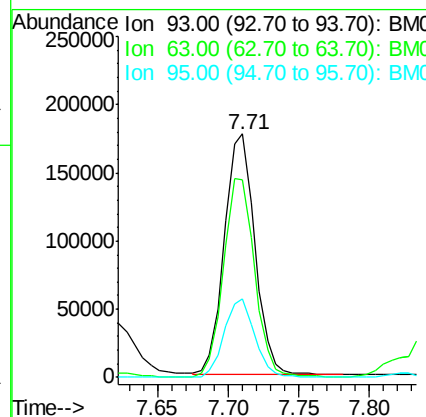
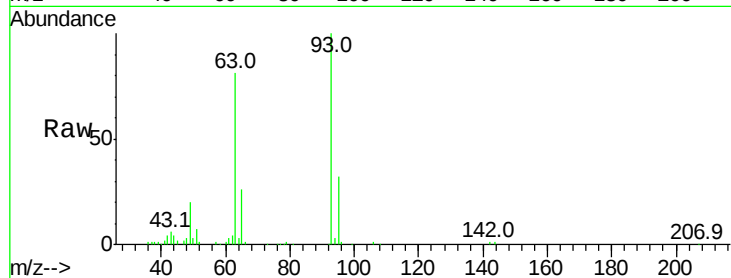
#11
bis(2-Chloroethyl)ether
Concen: 44.912 ng
RT: 7.71 min Scan# 752
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Instrument :
BNA_M
ClientSampleId :
HD-02-071018MSD

Tot Ion:	93	Resp:	264731
Ion	Ratio	Lower	Upper
93	100		
63	81.2	49.5	89.5
95	32.0	13.5	53.5

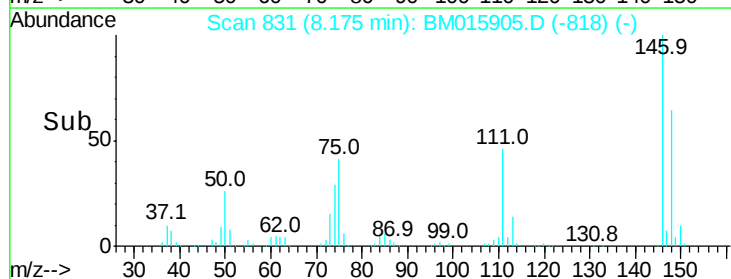
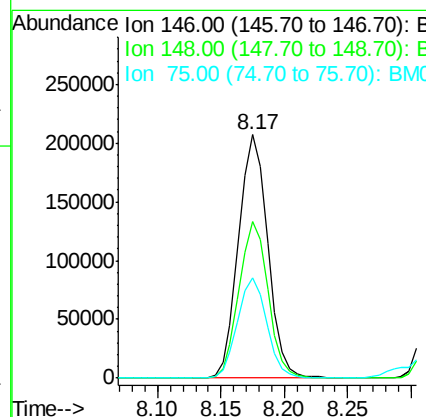
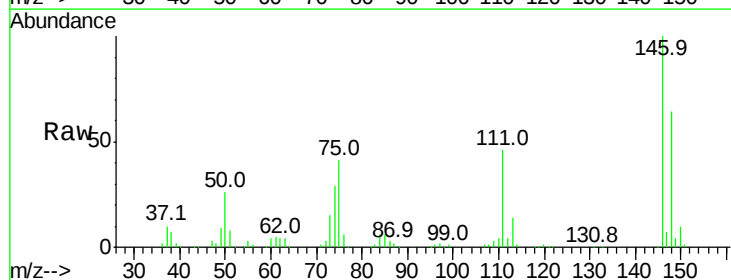
Manual Integrations
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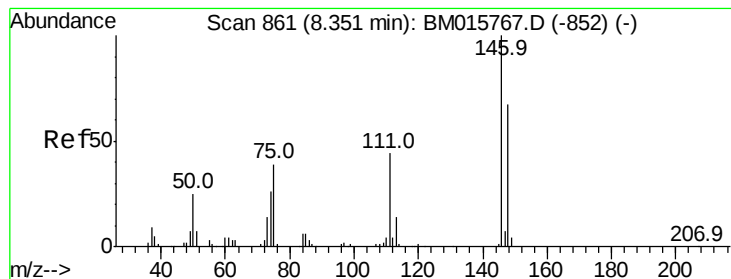
Sohil
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#12
1,3-Dichlorobenzene
Concen: 47.312 ng
RT: 8.17 min Scan# 831
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Tgt Ion:	146	Resp:	331627
Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.9	76.3
75	41.0	21.4	32.2#





#13

1,4-Dichlorobenzene

Concen: 46.249 ng

RT: 8.33 min Scan# 857

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Instrument :

BNA_M

ClientSampleId :

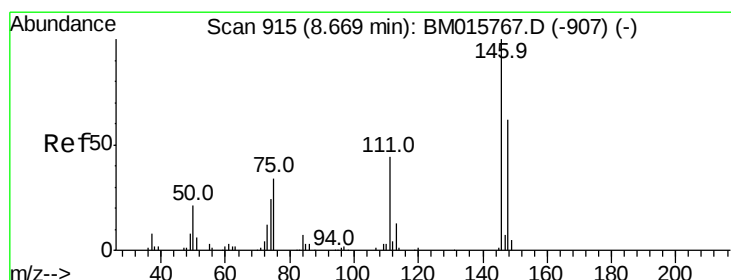
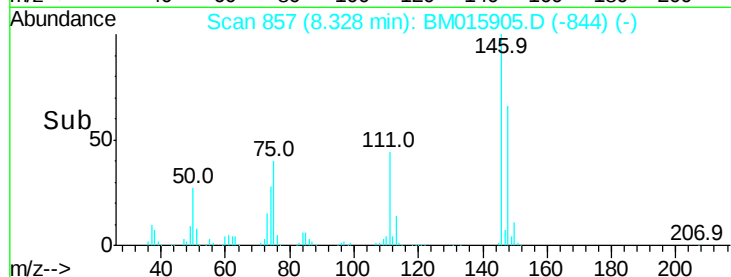
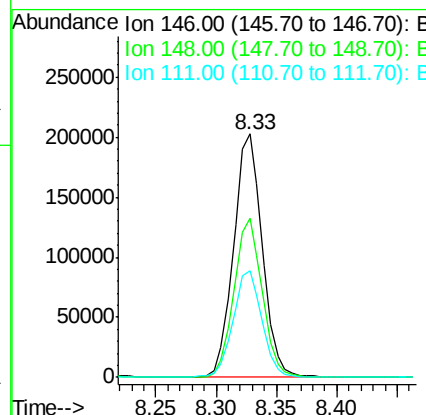
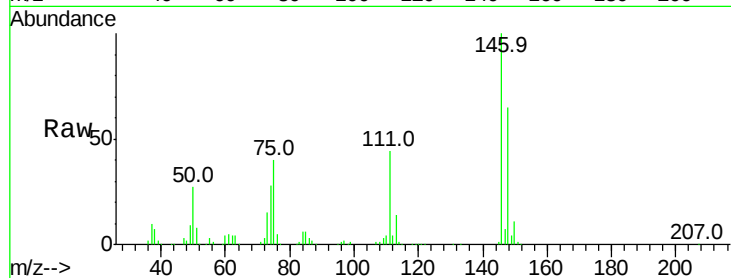
HD-02-071018MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.9	77.9
111	44.0	29.2	43.8

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#14

1,2-Dichlorobenzene

Concen: 46.761 ng

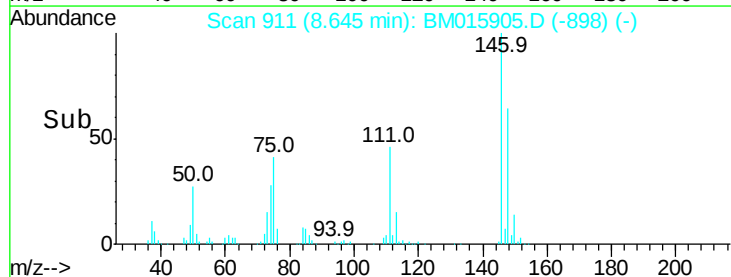
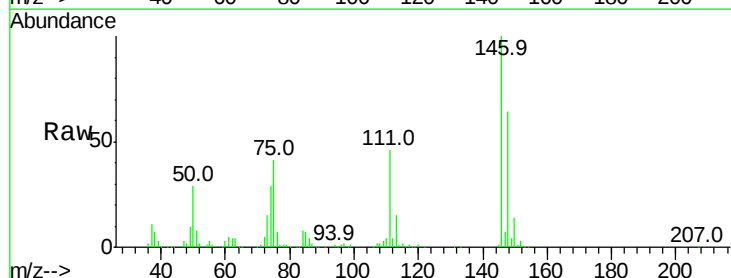
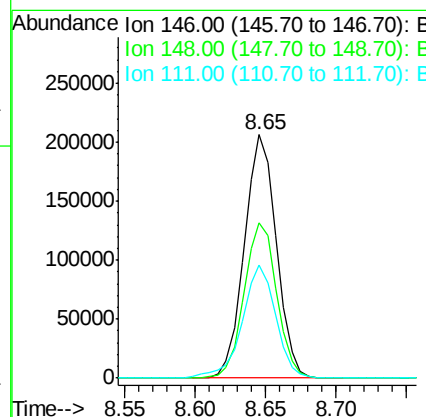
RT: 8.65 min Scan# 911

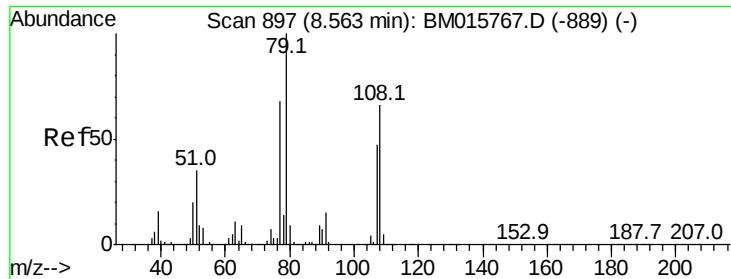
Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	52.3	78.5
111	46.3	30.6	45.8





#15

Benzyl Alcohol

Concen: 44.125 ng

RT: 8.55 min Scan# 894

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Instrument :

BNA_M

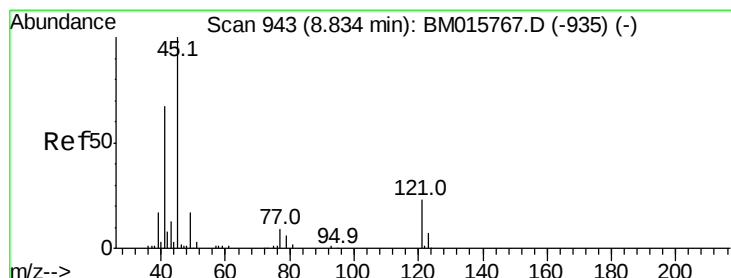
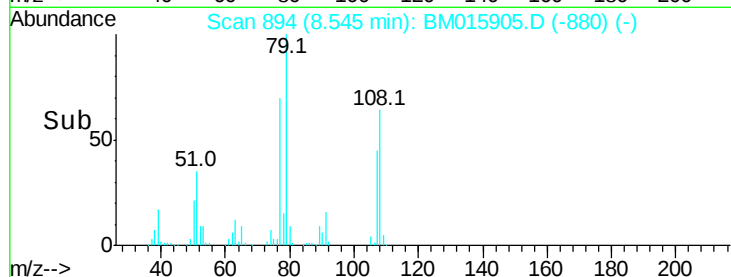
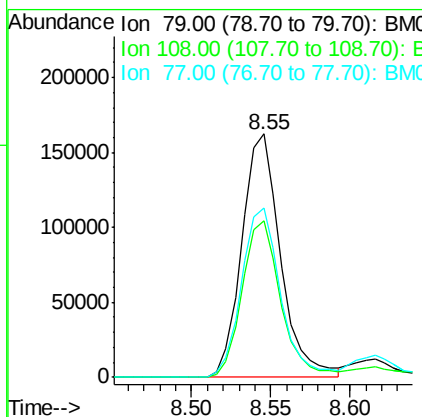
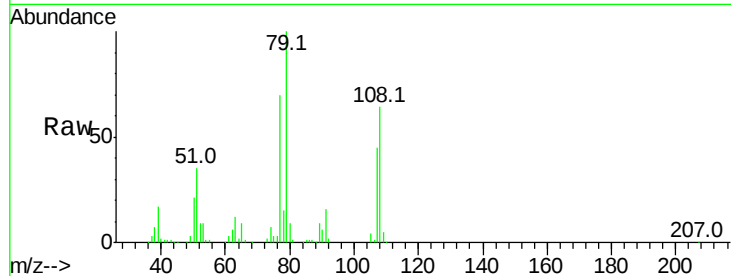
ClientSampleId :

HD-02-071018MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	64.1	65.0	97.4#
77	69.6	53.0	79.6

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#16

2,2'-oxybis(1-chloropropane)

Concen: 63.428 ng

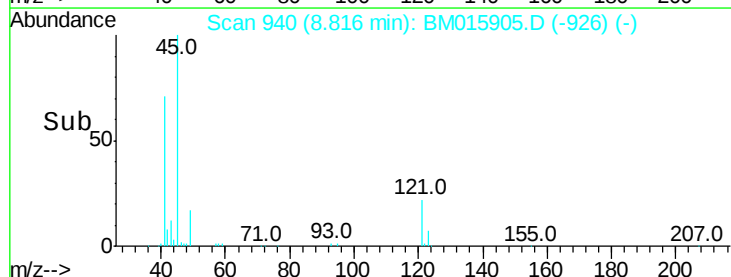
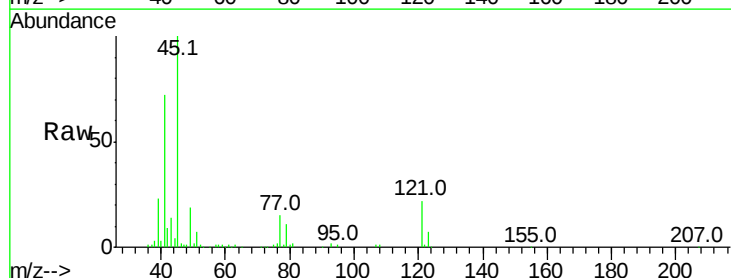
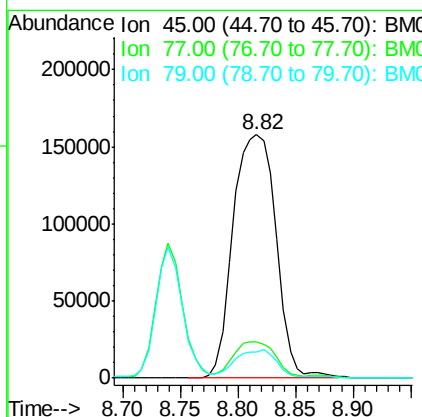
RT: 8.82 min Scan# 940

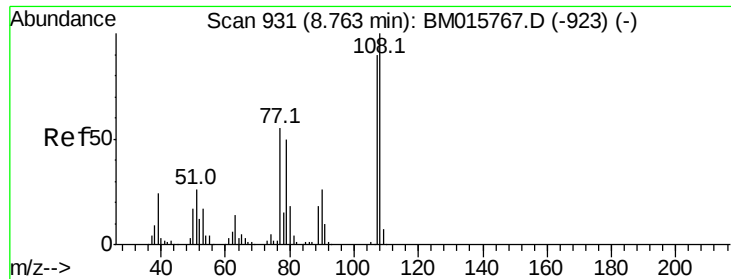
Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.1	0.0	35.2
79	10.9	0.0	32.0





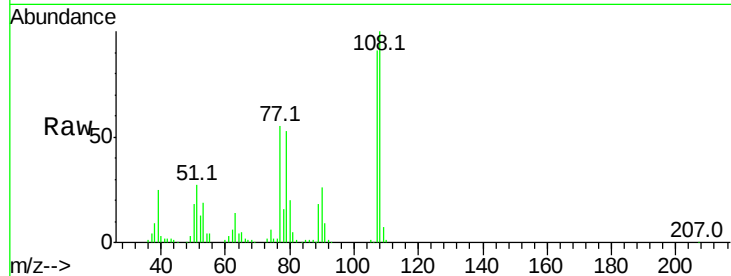
#17
2-Methylphenol
Concen: 46.637 ng
RT: 8.74 min Scan# 927
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Instrument :
BNA_M
ClientSampleId :
HD-02-071018MSD

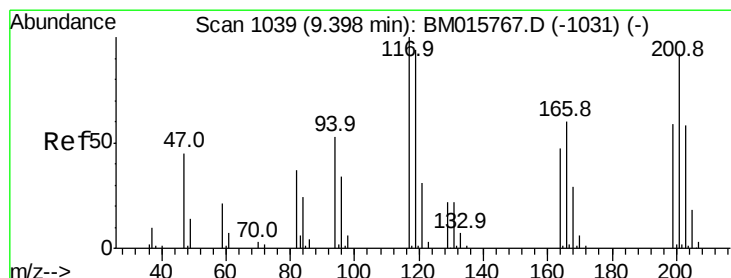
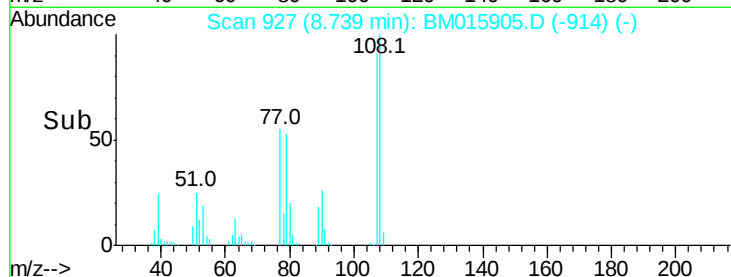
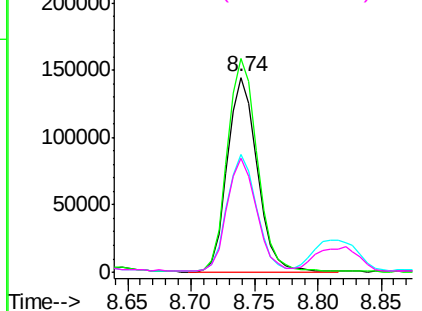
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	109.6	89.8	134.8	
77	60.7	32.6	48.8#	
79	58.5	32.8	49.2#	

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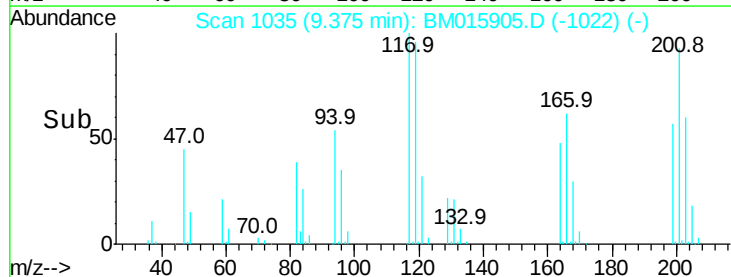
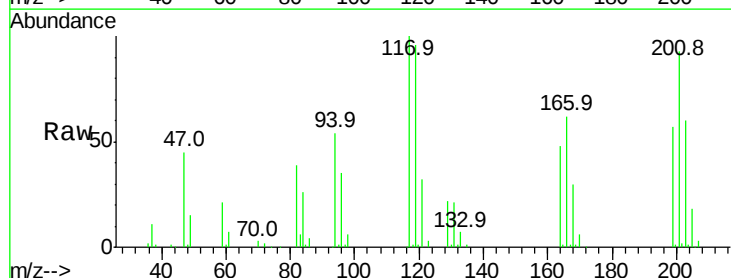
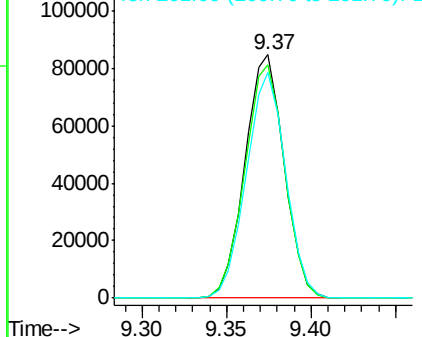
Abundance Ion 107.00 (106.70 to 107.70): E
250000
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM
Ion 79.00 (78.70 to 79.70): BM

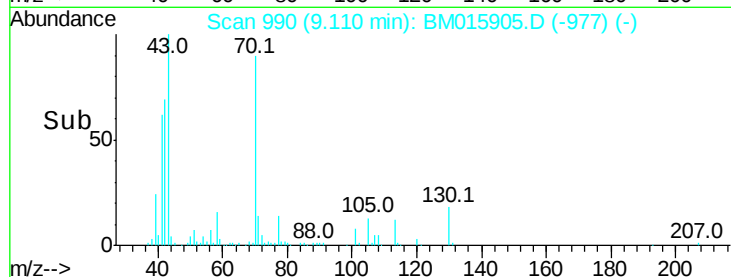
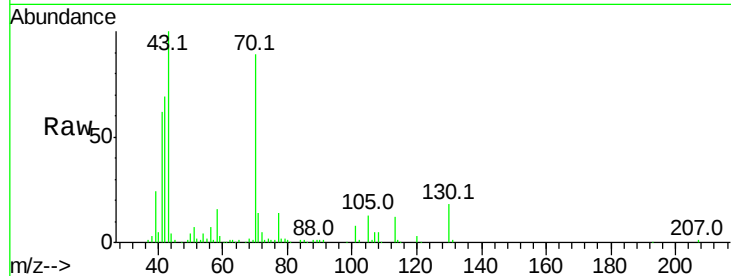
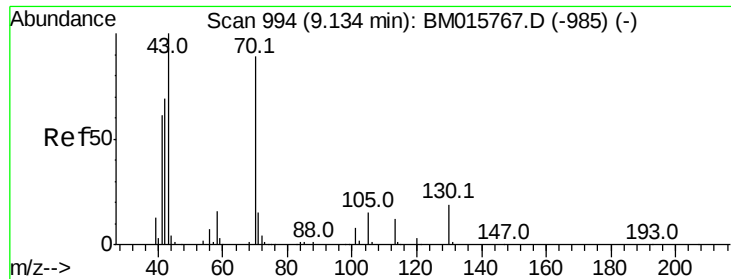


#18
Hexachloroethane
Concen: 47.869 ng
RT: 9.37 min Scan# 1035
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.0	79.2	118.8	
201	92.6	69.8	104.6	

Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





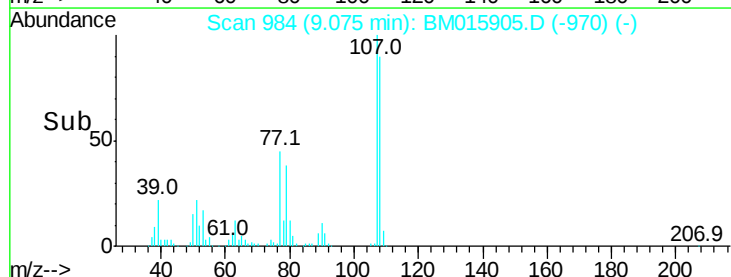
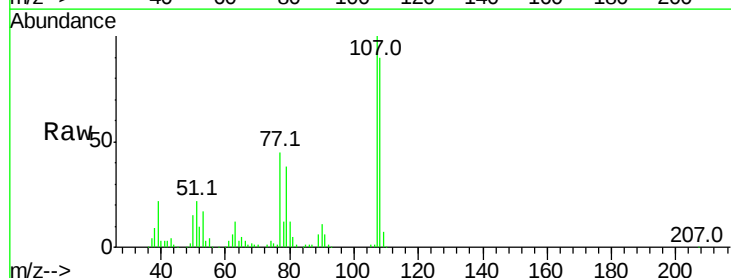
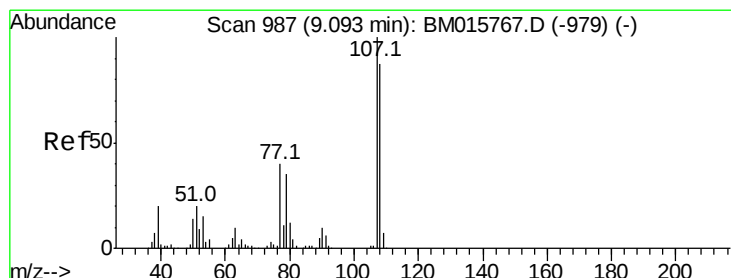
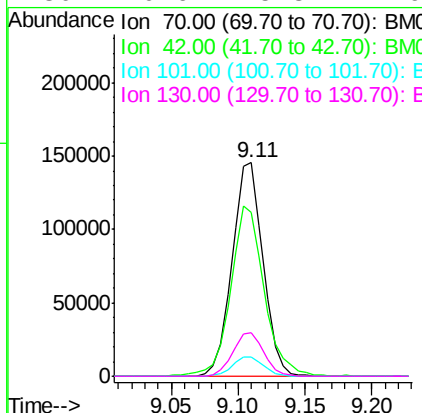
#19
n-Nitroso-di-n-propylamine
Concen: 40.374 ng
RT: 9.11 min Scan# 990
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Instrument :
BNA_M
ClientSampleId :
HD-02-071018MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	77.0	44.5	66.7#
101	9.2	7.4	11.2
130	20.6	15.3	22.9

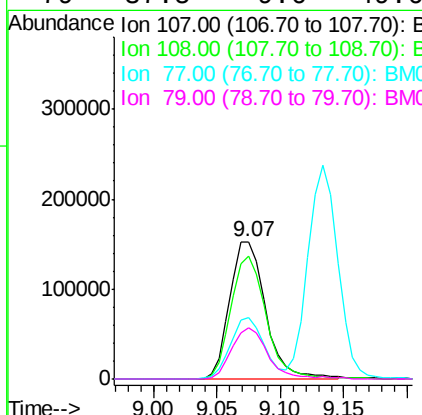
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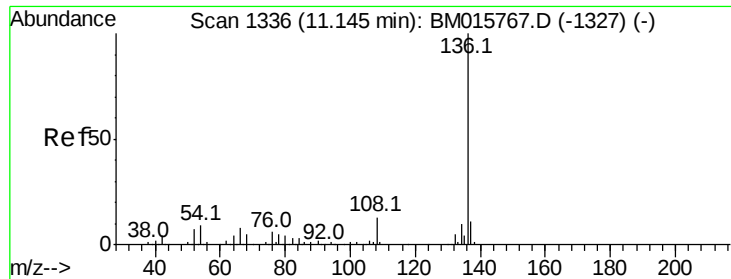
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#20
3+4-Methylphenols
Concen: 42.998 ng
RT: 9.07 min Scan# 984
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.8	73.2	113.2
77	44.9	10.7	50.7
79	37.5	9.6	49.6





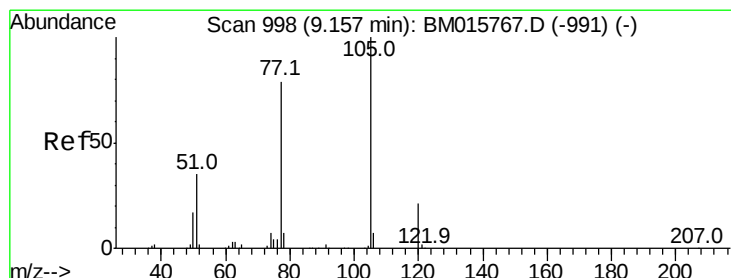
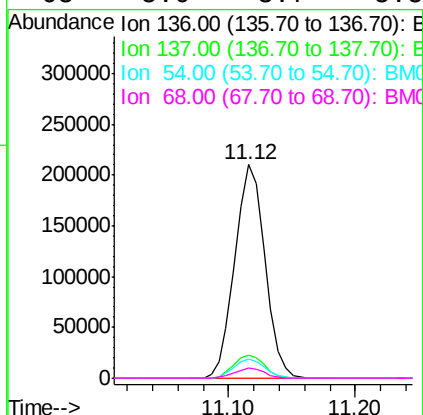
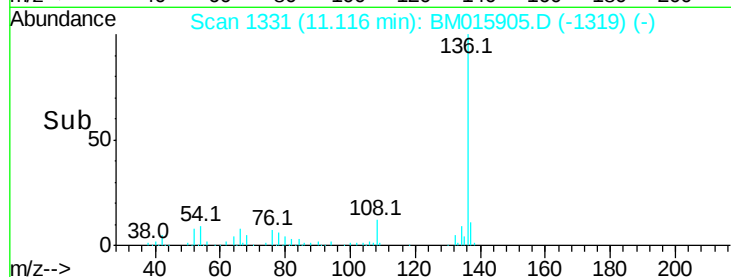
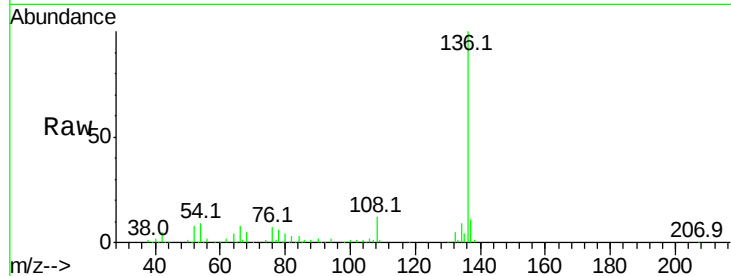
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.12 min Scan# 1331
Delta R.T. -0.03 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Instrument :
BNA_M
ClientSampleId :
HD-02-071018MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.7	13.1	
54	9.0	4.6	6.8#	
68	5.0	3.7	5.5	

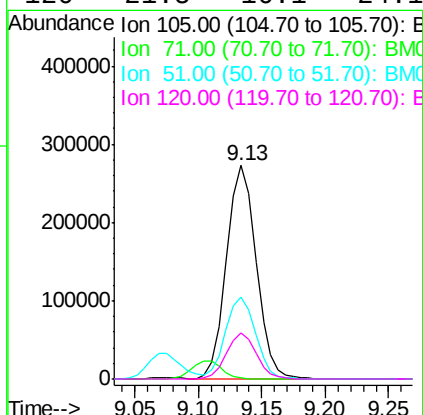
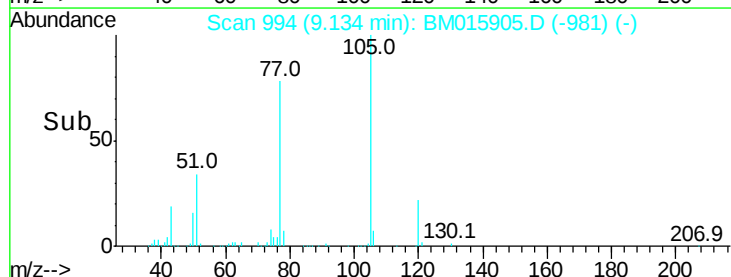
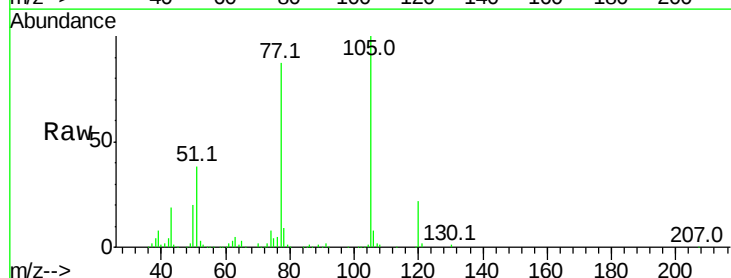
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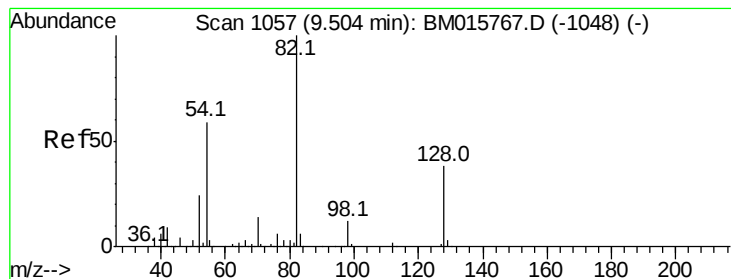
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#22
Acetophenone
Concen: 48.821 ng
RT: 9.13 min Scan# 994
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	0.4	0.6	1.0#	
51	38.4	21.6	32.4#	
120	21.5	16.1	24.1	





#23

Nitrobenzene-d5

Concen: 48.821 ng

RT: 9.48 min Scan# 1053

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Instrument :

BNA_M

ClientSampleId :

HD-02-071018MSD

Tot Ion: 82 Resp: 765619

Ion Ratio Lower Upper

82 100

128 38.2 32.8 49.2

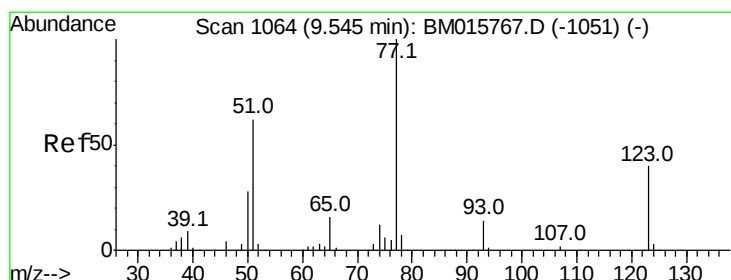
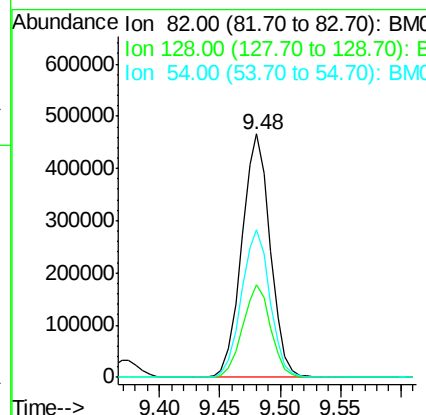
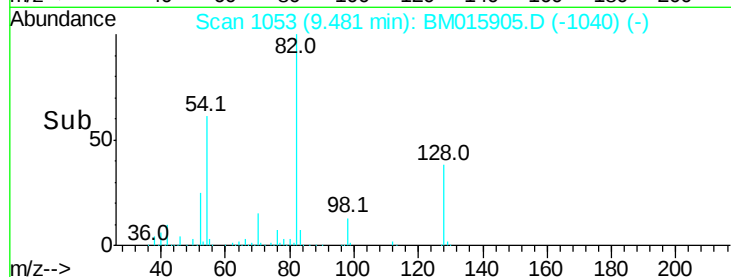
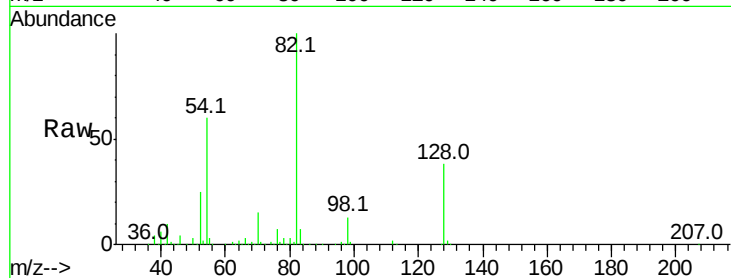
54 60.5 40.6 60.8

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#24

Nitrobenzene

Concen: 53.301 ng

RT: 9.52 min Scan# 1060

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

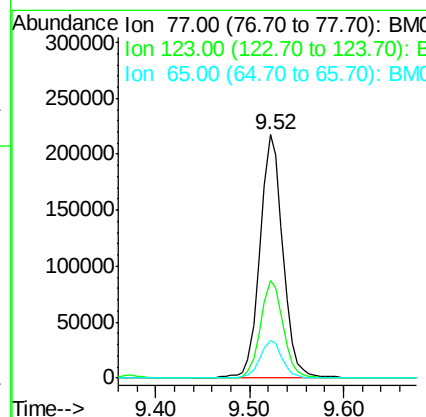
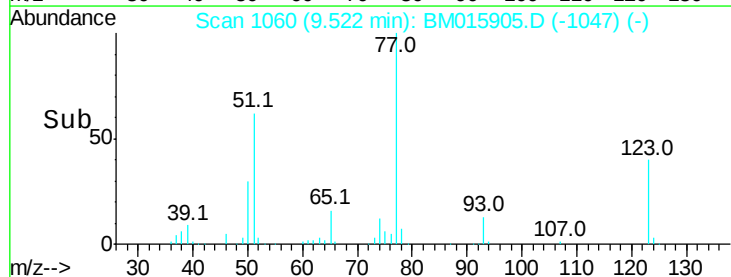
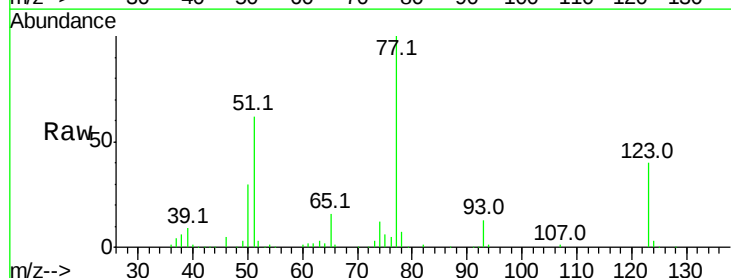
Tgt Ion: 77 Resp: 368070

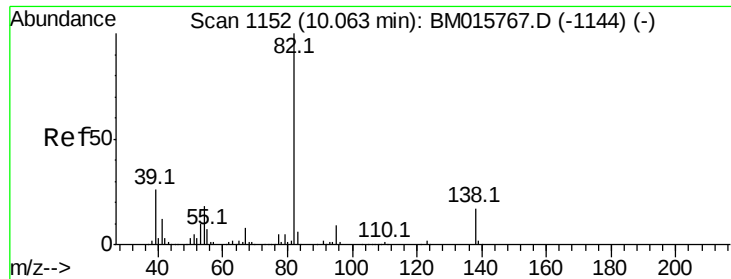
Ion Ratio Lower Upper

77 100

123 40.1 32.6 49.0

65 15.6 10.9 16.3





#25

Isophorone

Concen: 54.862 ng

RT: 10.04 min Scan# 1148

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Instrument :

BNA_M

ClientSampleId :

HD-02-071018MSD

Tot Ion: 82 Resp: 594027

Ion Ratio Lower Upper

82 100

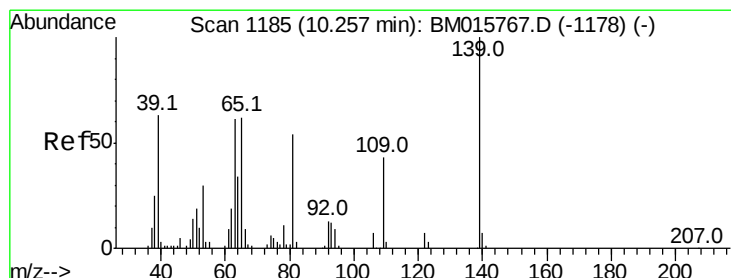
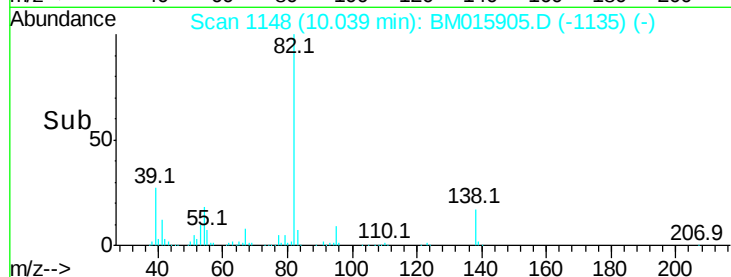
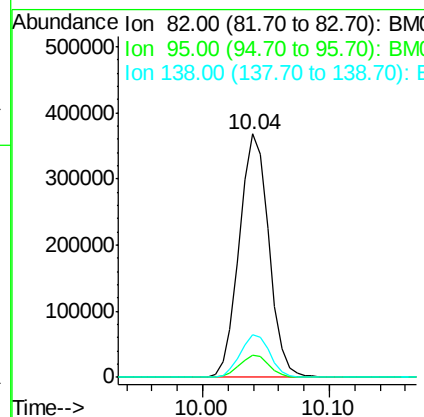
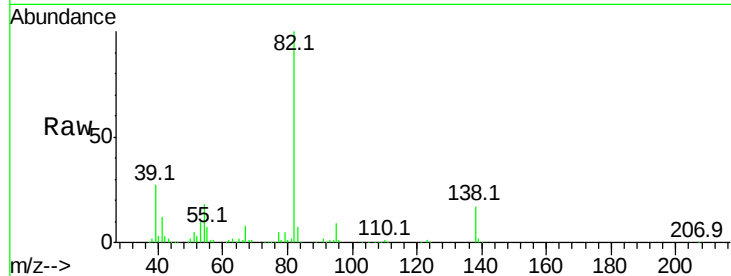
95 9.0 5.8 8.6#

138 17.3 16.3 24.5

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#26

2-Nitrophenol

Concen: 52.557 ng

RT: 10.23 min Scan# 1181

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

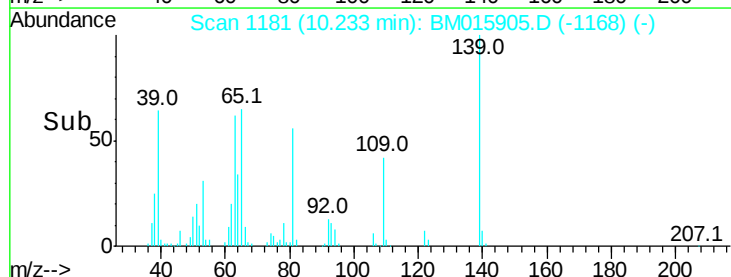
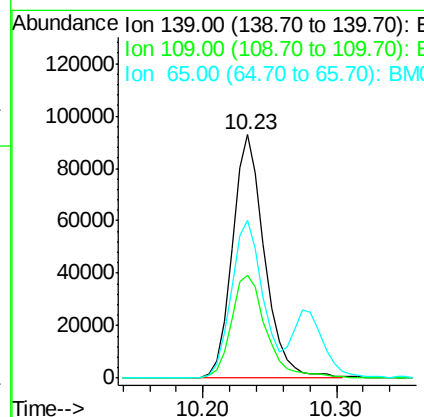
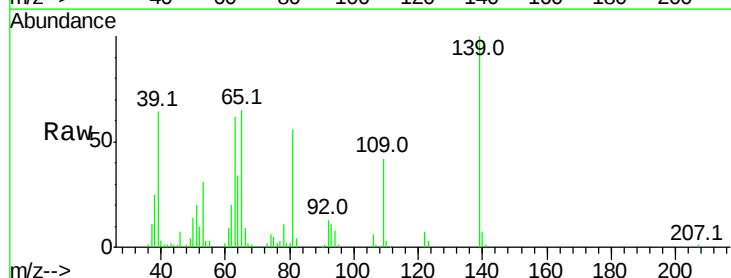
Tgt Ion: 139 Resp: 156278

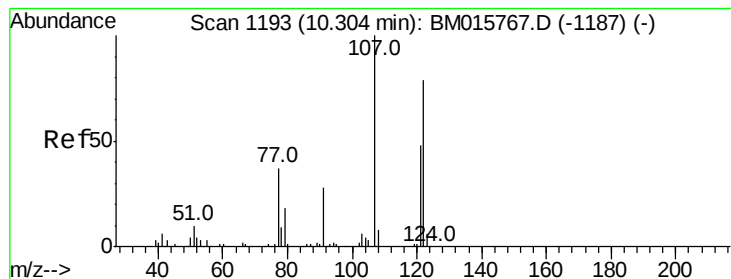
Ion Ratio Lower Upper

139 100

109 42.2 20.1 30.1#

65 64.6 31.5 47.3#





#27

2,4-Dimethylphenol

Concen: 56.947 ng

RT: 10.28 min Scan# 1189

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Instrument :

BNA_M

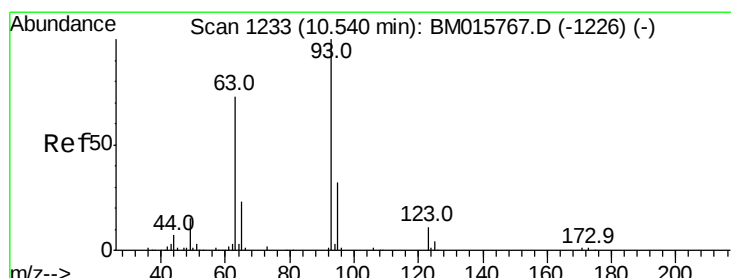
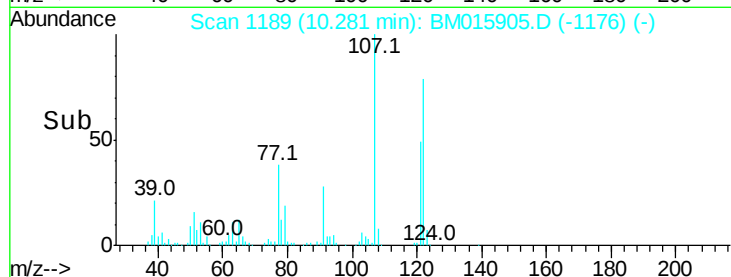
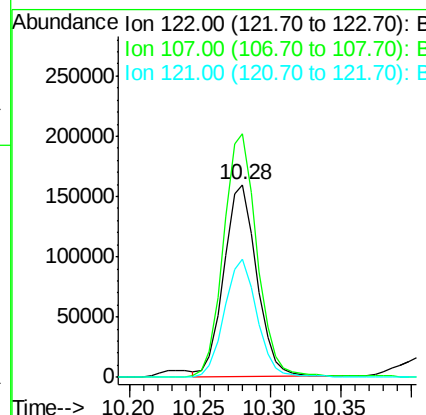
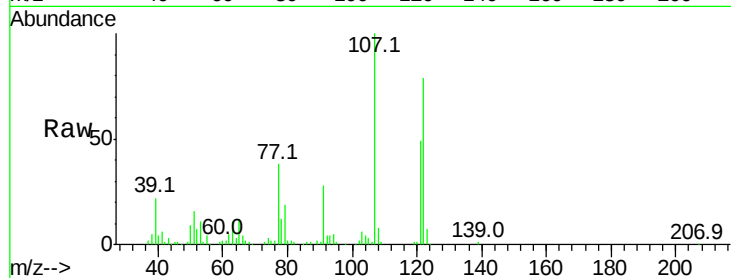
ClientSampleId :

HD-02-071018MSD

Tot Ion:	122	Resp:	257244
Ion Ratio	Lower	Upper	
122	100		
107	126.2	84.7	127.1
121	61.3	46.6	69.8

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#28

bis(2-Chloroethoxy)methane

Concen: 49.017 ng

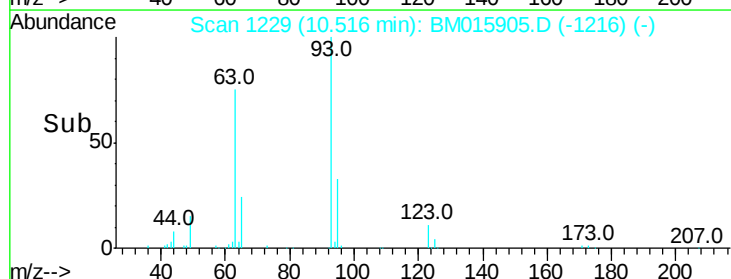
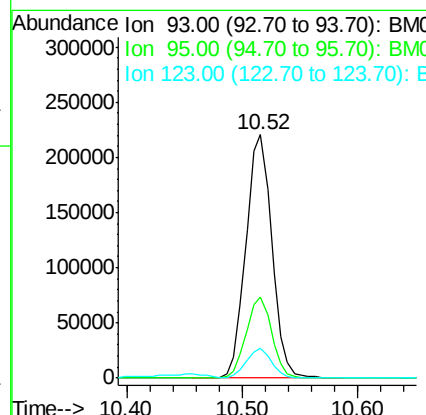
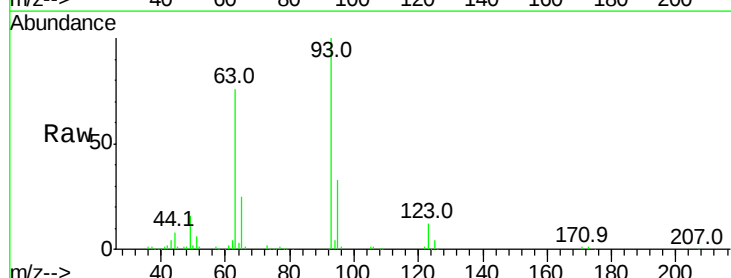
RT: 10.52 min Scan# 1229

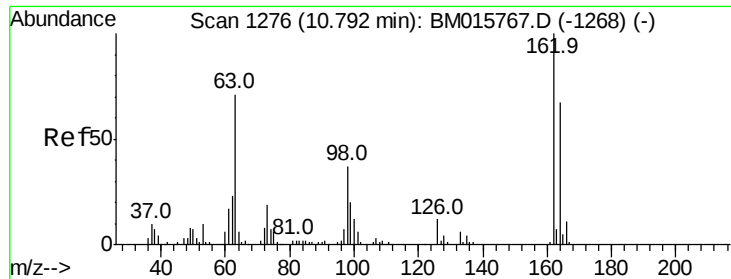
Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Tgt Ion:	93	Resp:	345776
Ion Ratio	Lower	Upper	
93	100		
95	33.4	25.5	38.3
123	12.2	8.6	13.0





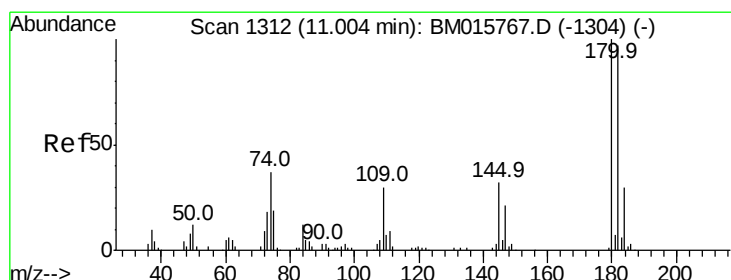
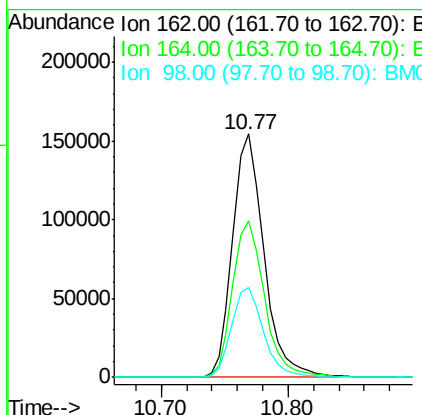
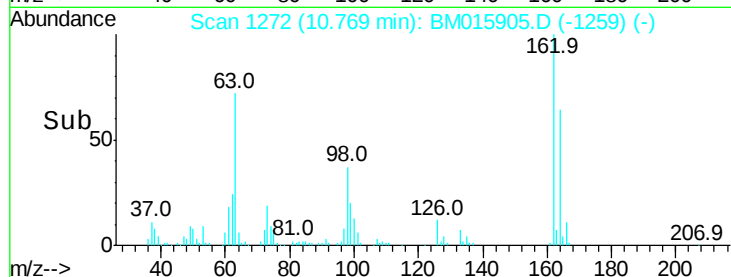
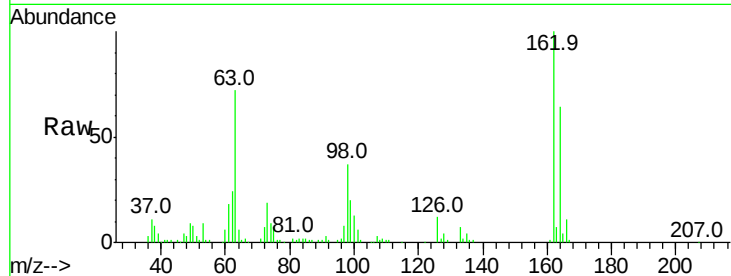
#29
 2,4-Dichlorophenol
 Concen: 53.022 ng
 RT: 10.77 min Scan# 1272
 Delta R.T. -0.02 min
 Lab File: BM015905.D
 Acq: 12 Jul 2018 09:04

Instrument :
 BNA_M
 ClientSampleId :
 HD-02-071018MSD

Tot Ion:	162	Resp:	265271
Ion Ratio	Lower	Upper	
162	100		
164	64.3	42.8	82.8
98	36.7	14.5	54.5

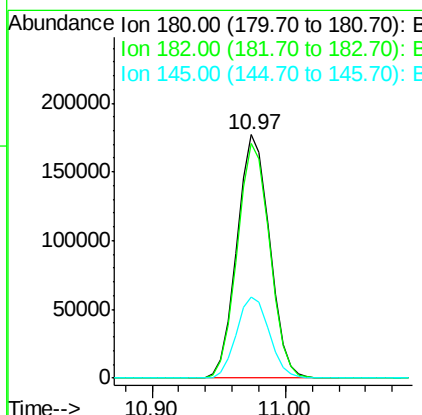
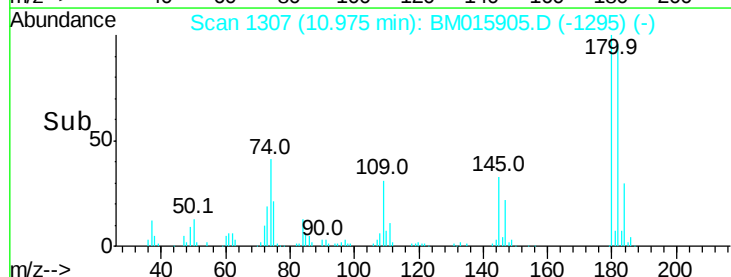
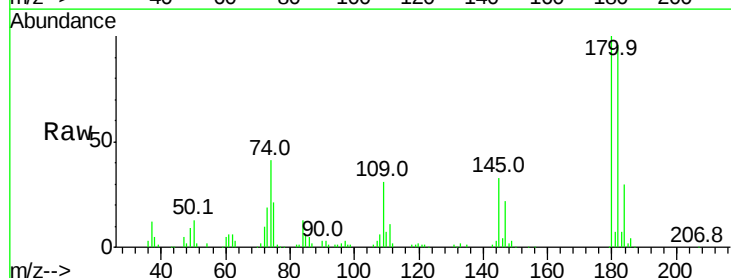
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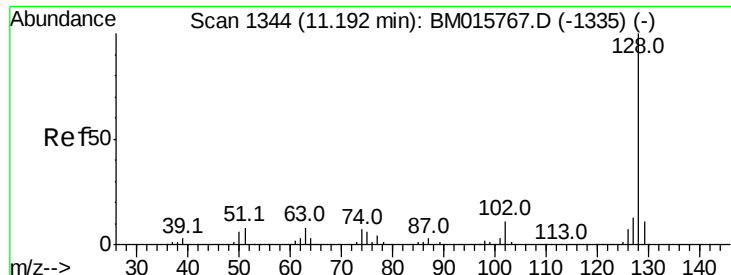
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#30
 1,2,4-Trichlorobenzene
 Concen: 51.451 ng
 RT: 10.97 min Scan# 1307
 Delta R.T. -0.03 min
 Lab File: BM015905.D
 Acq: 12 Jul 2018 09:04

Tgt Ion:	180	Resp:	298979
Ion Ratio	Lower	Upper	
180	100		
182	96.3	77.6	116.4
145	33.4	23.4	35.2





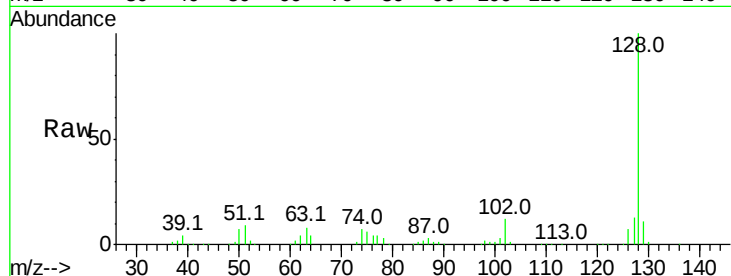
#31
Naphthalene
Concen: 50.389 ng
RT: 11.17 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Instrument :
BNA_M
ClientSampleId :
HD-02-071018MSD

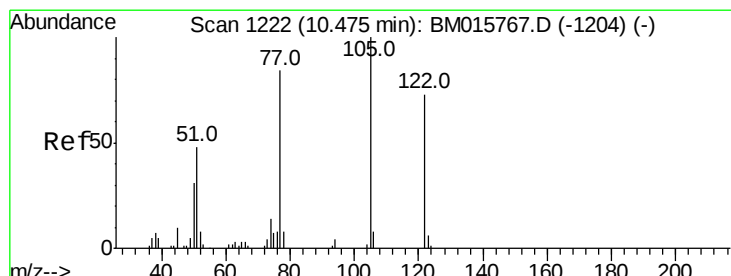
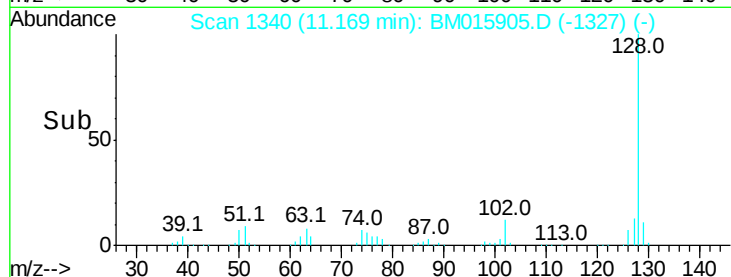
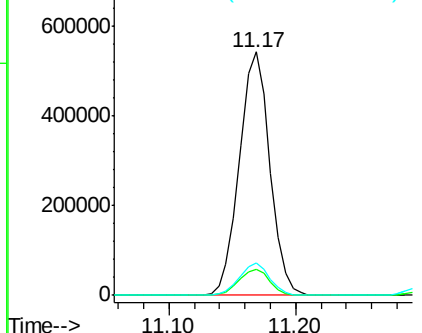
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.5	10.4	15.6

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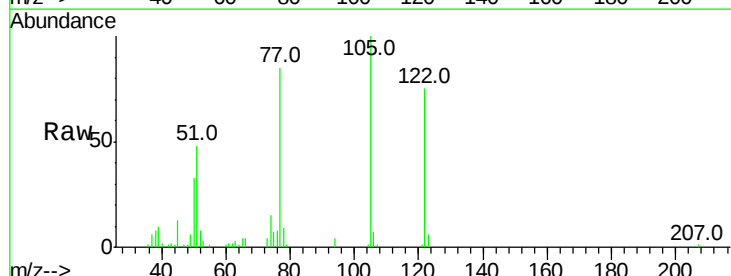


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

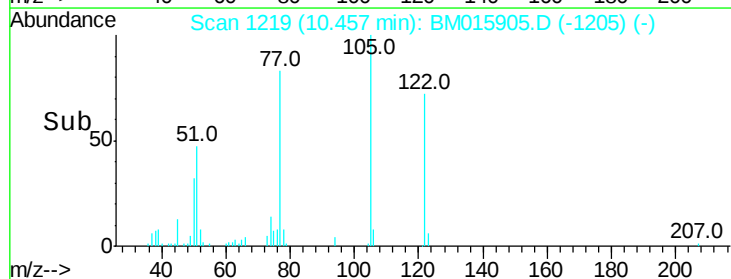
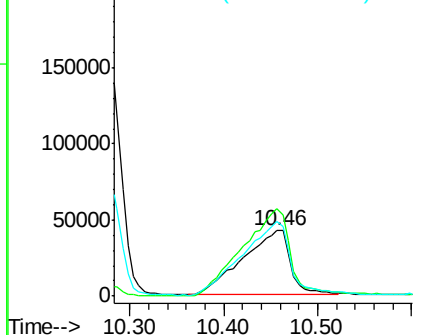


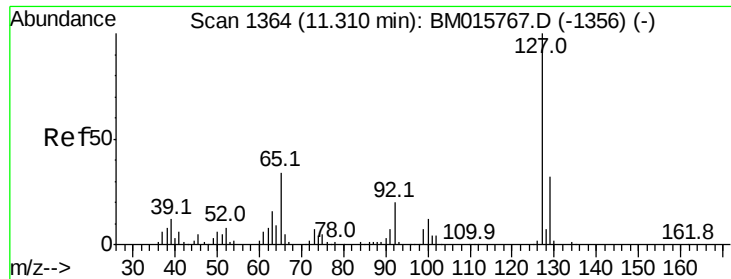
#32
Benzoic acid
Concen: 37.401 ng
RT: 10.46 min Scan# 1219
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
122	100		
105	134.0	99.9	139.9
77	113.9	73.7	113.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BM





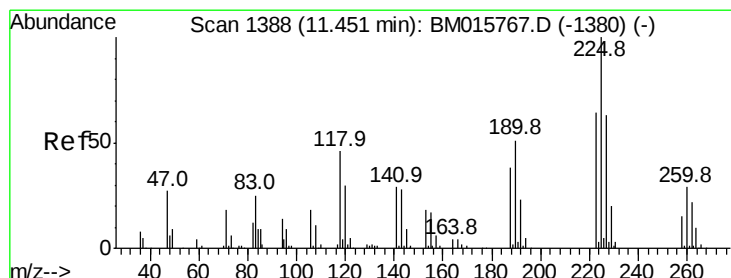
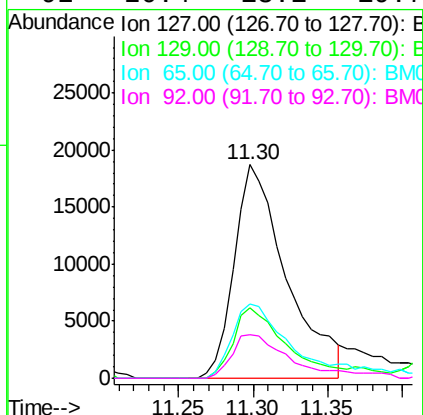
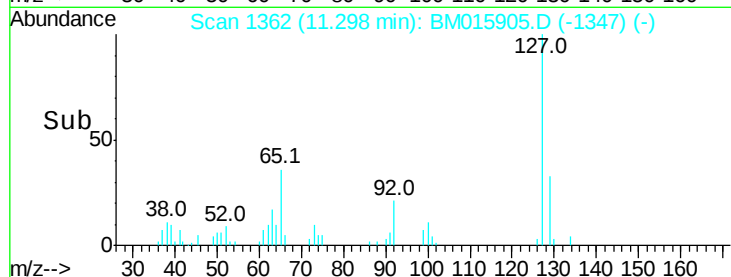
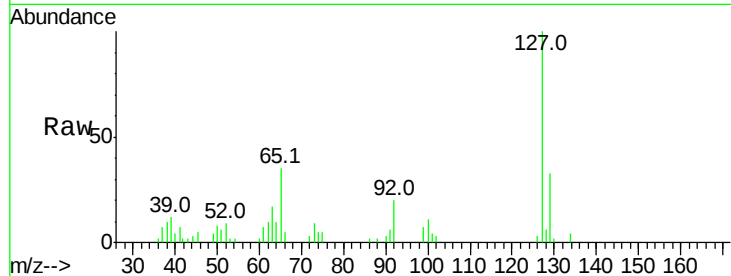
#33
4-Chloroaniline
Concen: 6.246 ng
RT: 11.30 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Instrument :
BNA_M
ClientSampleId :
HD-02-071018MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.3	37.9
65	34.9	17.6	26.4
92	20.4	13.1	19.7

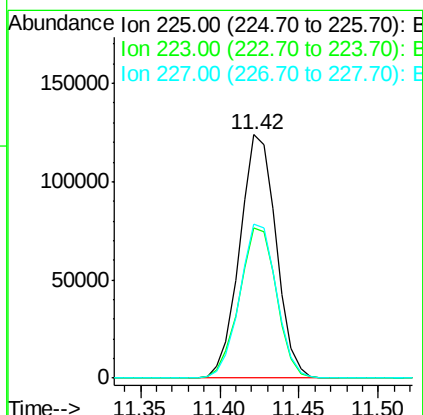
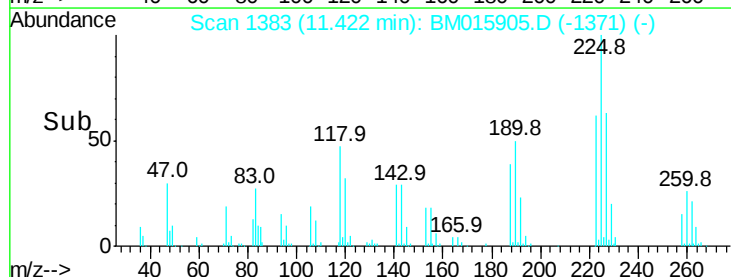
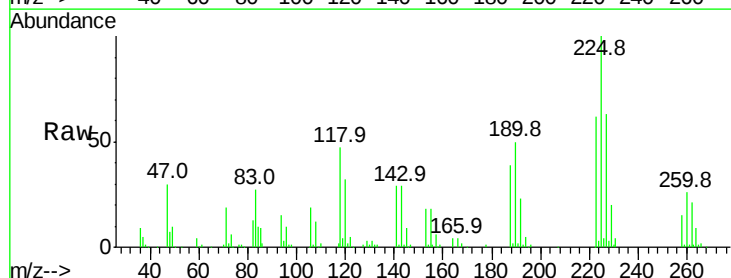
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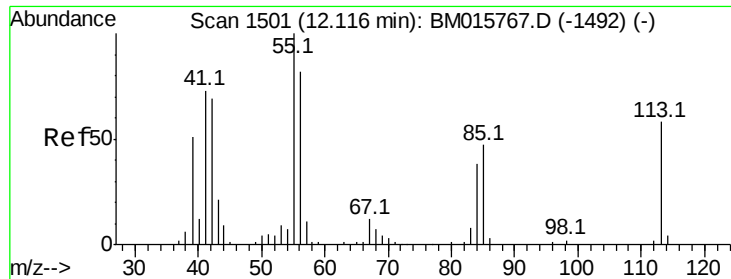
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#34
Hexachlorobutadiene
Concen: 50.989 ng
RT: 11.42 min Scan# 1383
Delta R.T. -0.03 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	47.9	71.9
227	63.1	50.1	75.1





#35

Caprolactam

Concen: 33.600 ng/mL

RT: 12.09 min Scan# 1496

Delta R.T. -0.03 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Instrument :

BNA_M

ClientSampleId :

HD-02-071018MSD

Tot Ion:113 Resp: 55750

Ion Ratio Lower Upper

113 100

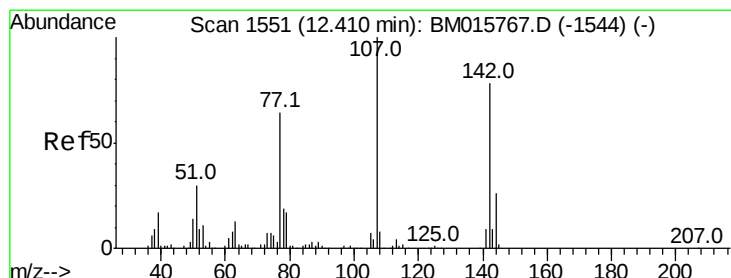
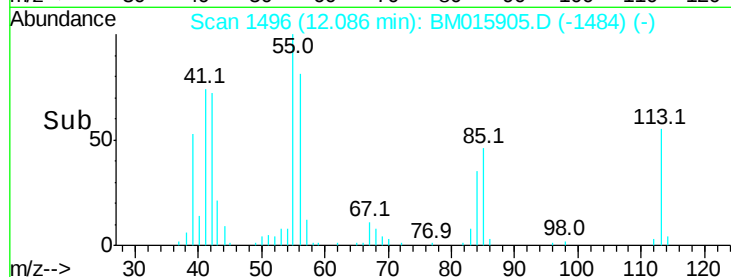
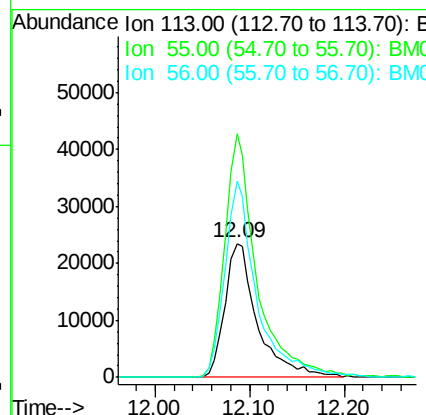
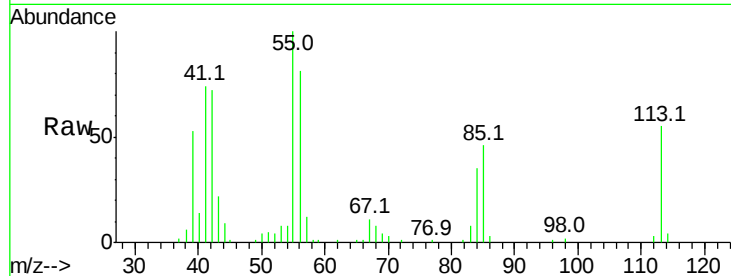
55 181.8 145.9 185.9

56 146.4 101.0 141.0#

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#36

4-Chloro-3-methylphenol

Concen: 48.001 ng/mL

RT: 12.39 min Scan# 1548

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

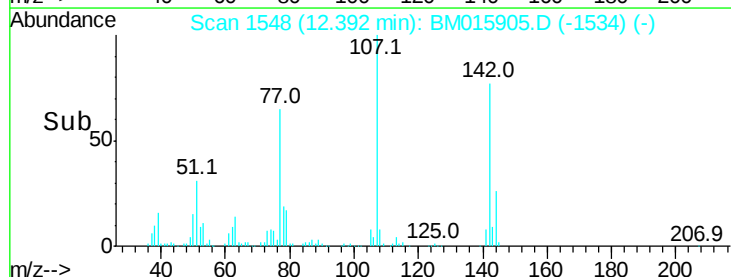
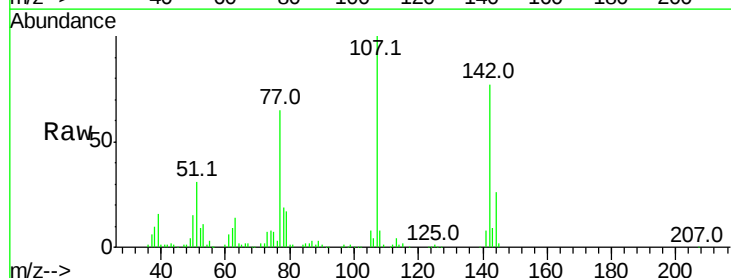
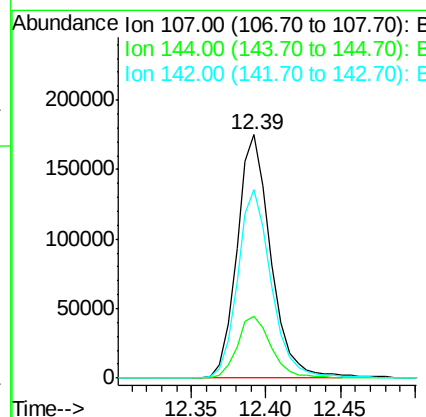
Tgt Ion:107 Resp: 275554

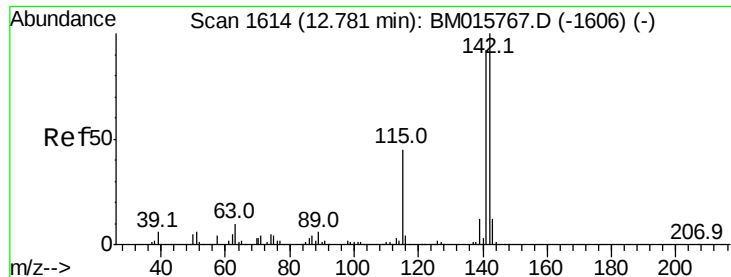
Ion Ratio Lower Upper

107 100

144 25.6 23.3 34.9

142 77.3 72.6 109.0





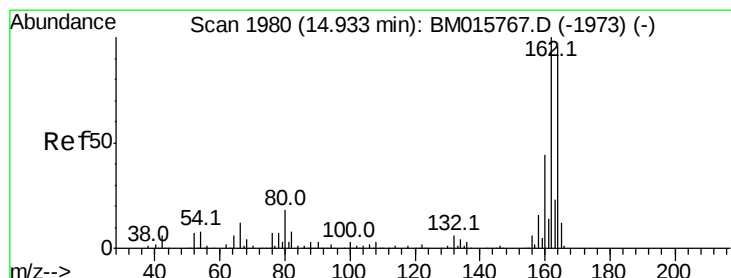
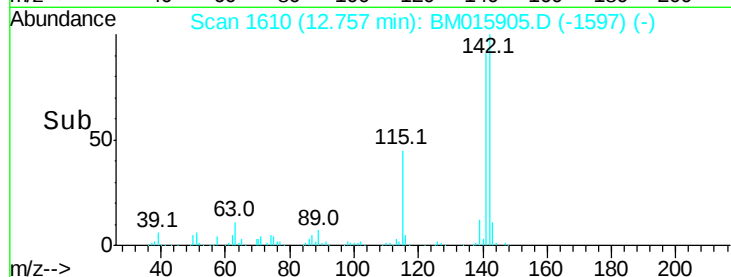
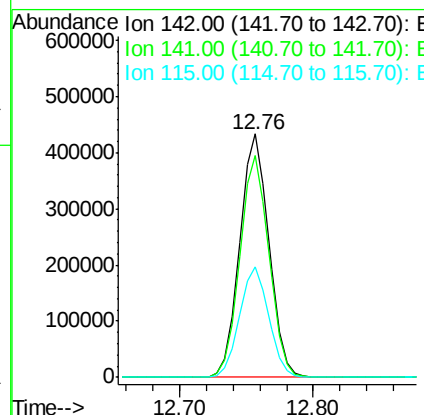
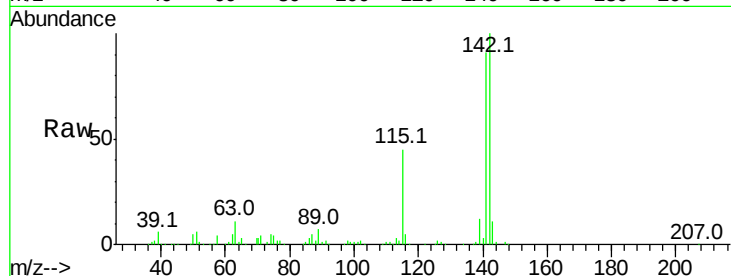
#37
2-Methylnaphthalene
Concen: 51.290 ng
RT: 12.76 min Scan# 1610
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Instrument :
BNA_M
ClientSampleId :
HD-02-071018MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.0	71.9	107.9
115	45.2	25.4	38.0

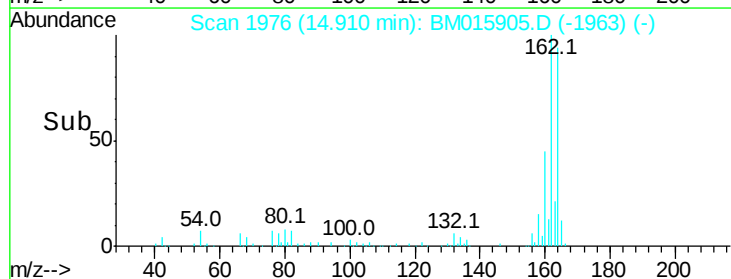
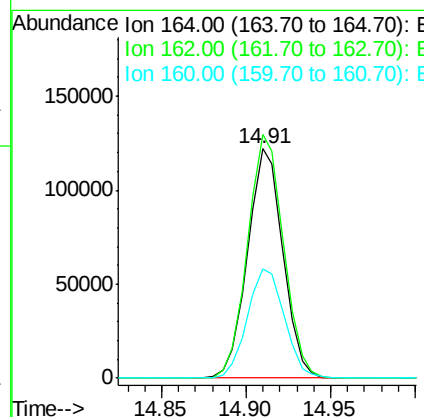
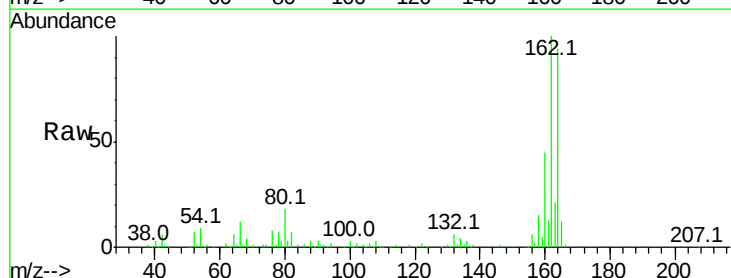
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.91 min Scan# 1976
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	82.4	123.6
160	47.7	35.8	53.6





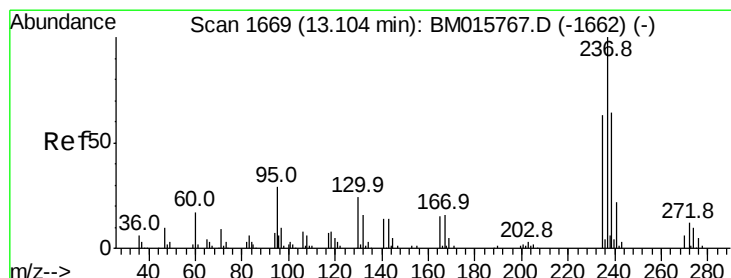
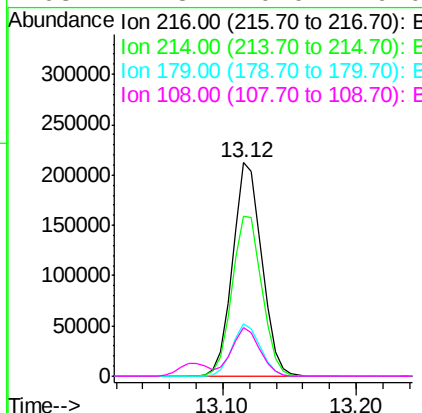
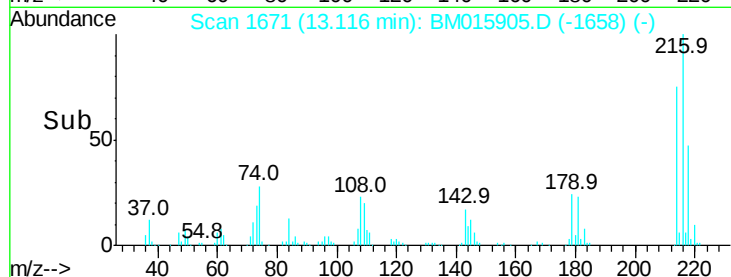
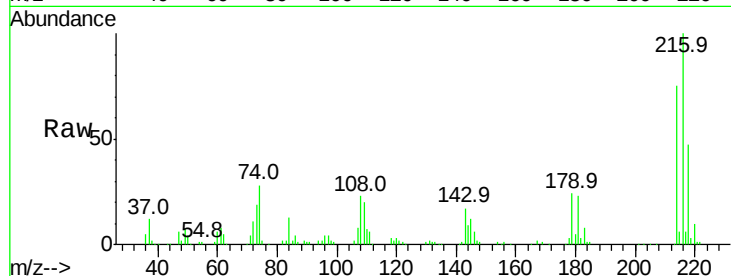
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 56.554 ng
 RT: 13.12 min Scan# 1671
 Delta R.T. -0.02 min
 Lab File: BM015905.D
 Acq: 12 Jul 2018 09:04

Instrument :
 BNA_M
 ClientSampleId :
 HD-02-071018MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100			
214	77.2	0.0	0.0	0.0
179	23.8	0.0	0.0	0.0
108	22.3	0.0	0.0	0.0

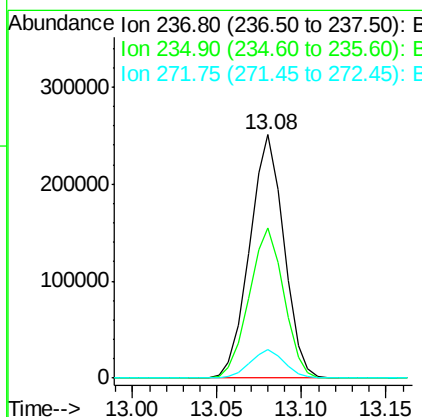
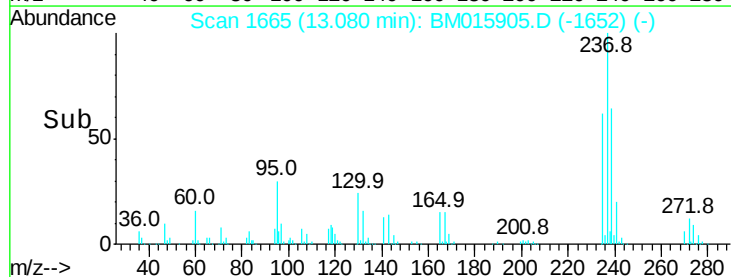
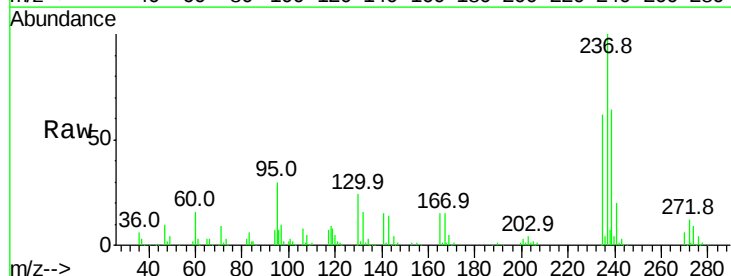
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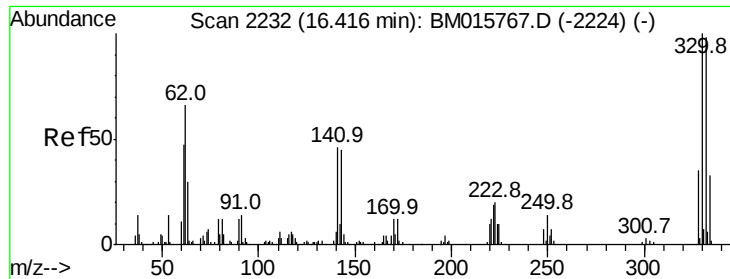
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#40
 Hexachlorocyclopentadiene
 Concen: 126.984 ng
 RT: 13.08 min Scan# 1665
 Delta R.T. -0.02 min
 Lab File: BM015905.D
 Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Resp	Lower	Upper
237	100			
235	61.6	42.0	82.0	
272	11.6	0.0	33.4	





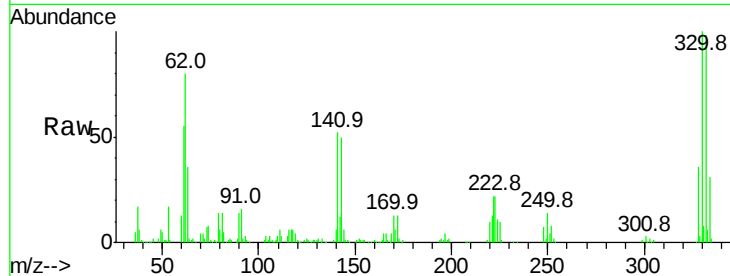
#41
 2,4,6-Tribromophenol
 Concen: 126.984 ng
 RT: 16.39 min Scan# 2228
 Delta R.T. -0.02 min
 Lab File: BM015905.D
 Acq: 12 Jul 2018 09:04

Instrument :
 BNA_M
 ClientSampleId :
 HD-02-071018MSD

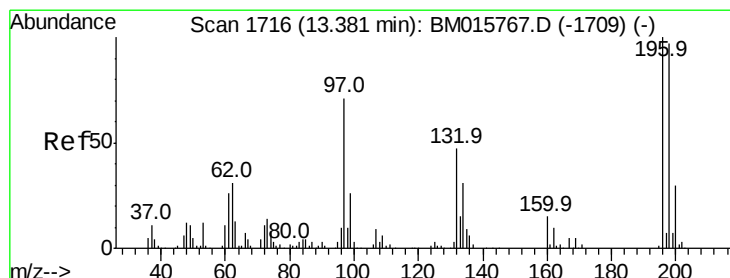
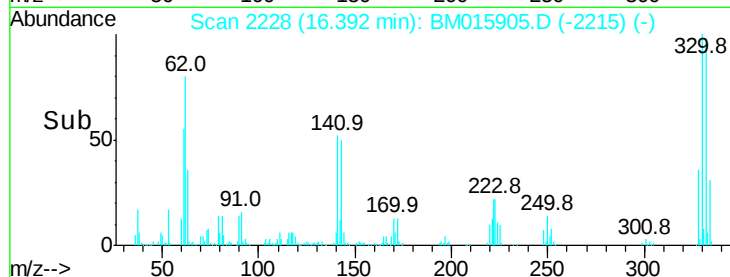
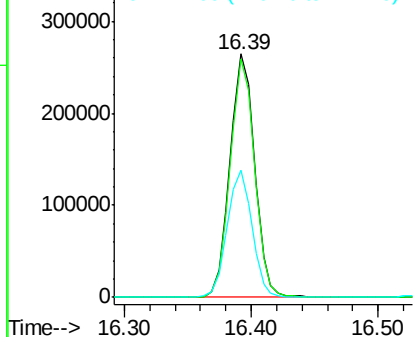
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	0.0	0.0	0.0
141	52.7	0.0	0.0	0.0

Manual Integrations
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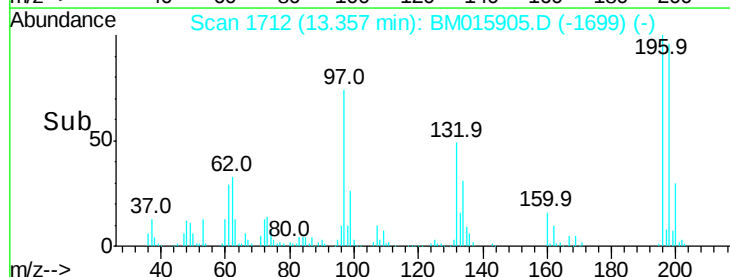
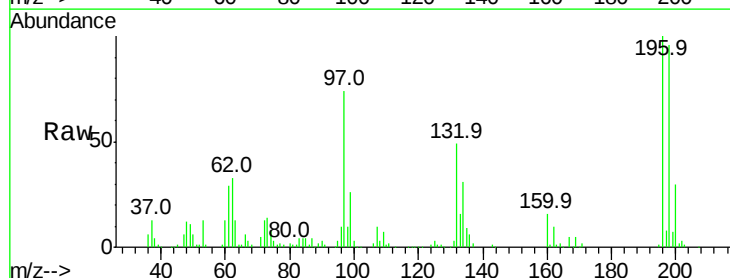
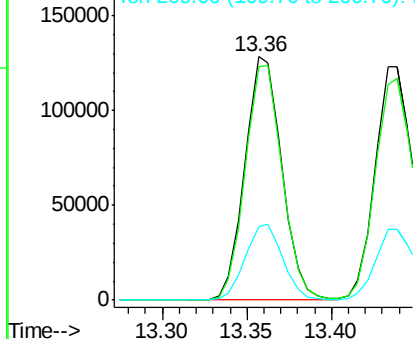
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 54.511 ng
 RT: 13.36 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BM015905.D
 Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	95.7	76.3	114.5	
200	30.3	25.6	38.4	

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





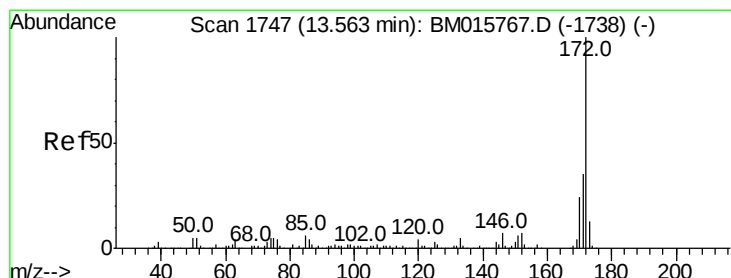
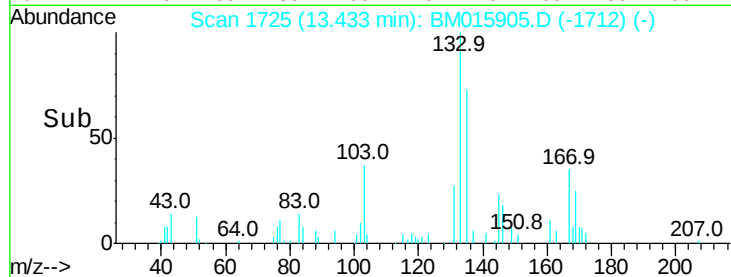
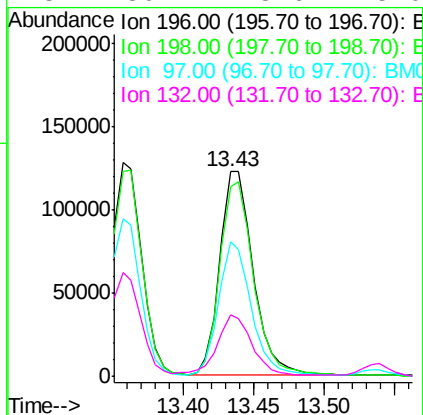
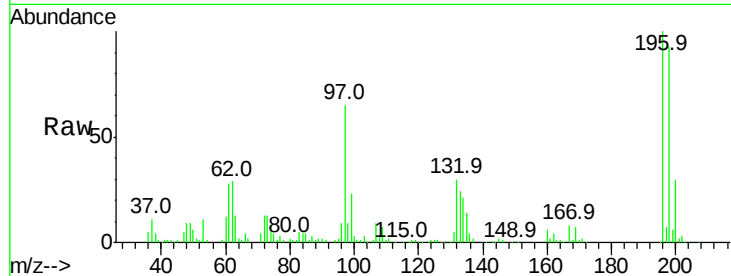
#43
 2,4,5-Trichlorophenol
 Concen: 51.608 ng
 RT: 13.43 min Scan# 1725
 Delta R.T. -0.02 min
 Lab File: BM015905.D
 Acq: 12 Jul 2018 09:04

Instrument :
 BNA_M
 ClientSampleId :
 HD-02-071018MSD

Tot Ion:	196	Resp:	200777
Ion Ratio	Lower	Upper	
196	100		
198	92.6	79.4	119.0
97	65.5	26.8	40.2#
132	30.2	18.6	28.0#

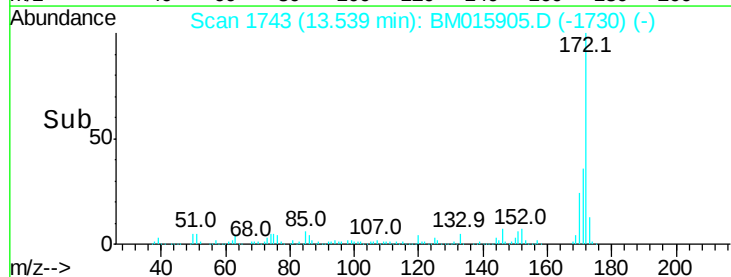
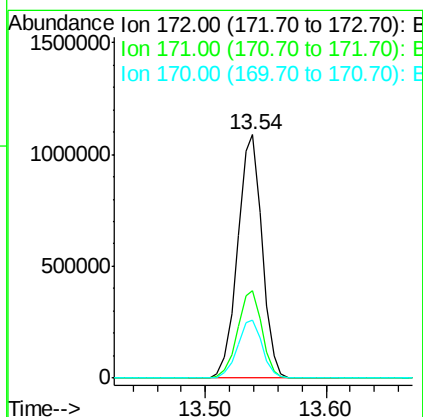
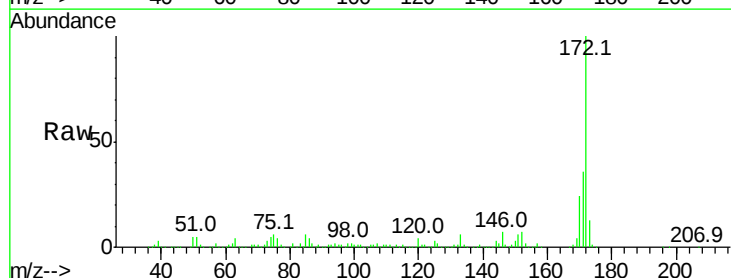
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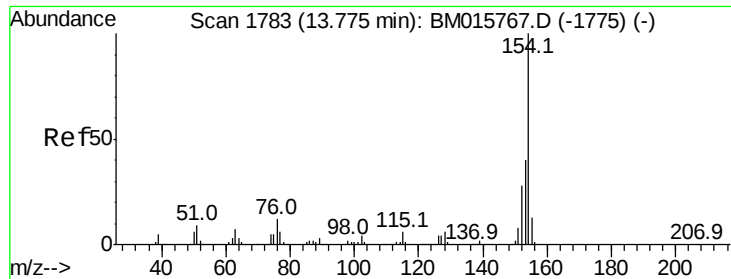
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#44
 2-Fluorobiphenyl
 Concen: 51.608 ng
 RT: 13.54 min Scan# 1743
 Delta R.T. -0.02 min
 Lab File: BM015905.D
 Acq: 12 Jul 2018 09:04

Tgt Ion:	172	Resp:	1529356
Ion Ratio	Lower	Upper	
172	100		
171	35.9	28.5	42.7
170	24.0	18.8	28.2





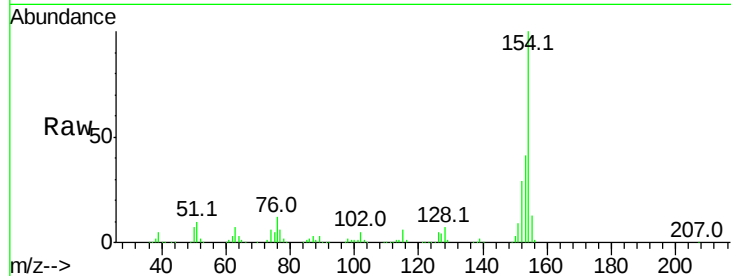
#45
 1,1'-Biphenyl
 Concen: 52.682 ng
 RT: 13.75 min Scan# 1779
 Delta R.T. -0.02 min
 Lab File: BM015905.D
 Acq: 12 Jul 2018 09:04

Instrument :
 BNA_M
 ClientSampleId :
 HD-02-071018MSD

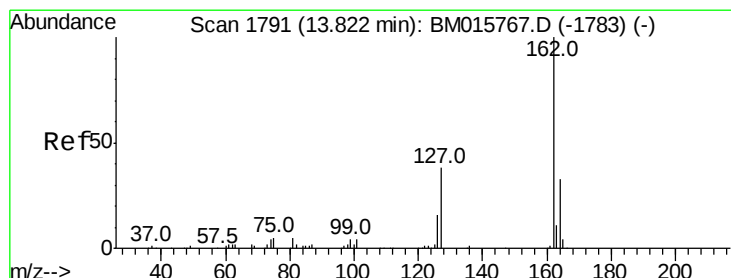
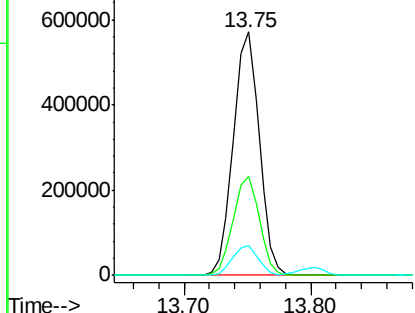
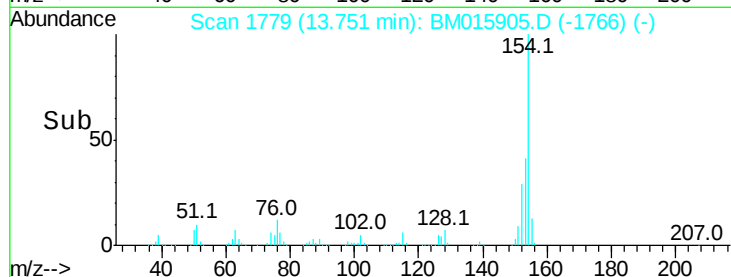
Tot Ion	154	Resp	808565
Ion Ratio	Lower	Upper	
154	100		
153	40.8	20.7	60.7
76	12.2	0.0	30.9

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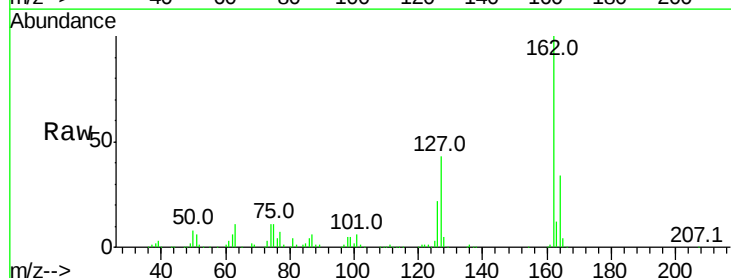


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

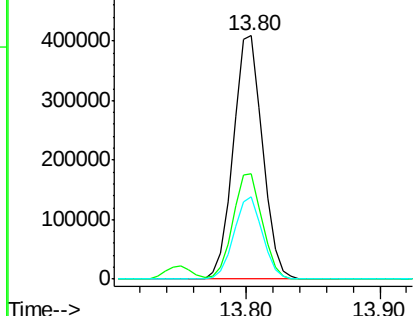
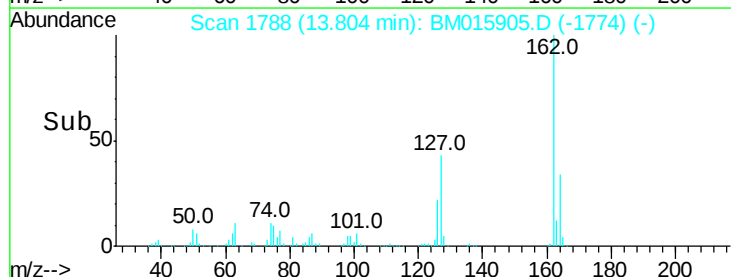


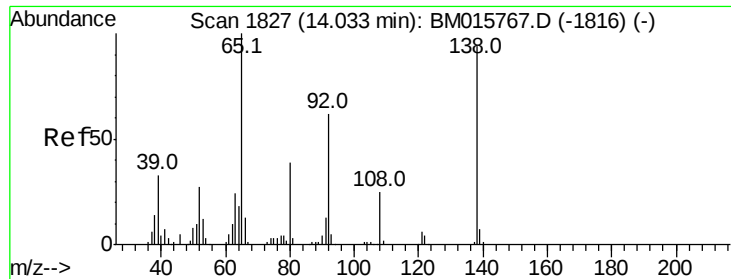
#46
 2-Chloronaphthalene
 Concen: 54.369 ng
 RT: 13.80 min Scan# 1788
 Delta R.T. -0.02 min
 Lab File: BM015905.D
 Acq: 12 Jul 2018 09:04

Tgt Ion	162	Resp	623896
Ion Ratio	Lower	Upper	
162	100		
127	43.4	26.9	40.3#
164	33.6	26.8	40.2



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 49.100 ng

RT: 14.01 min Scan# 1823

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Instrument :

BNA_M

ClientSampleId :

HD-02-071018MSD

Tot Ion: 65 Resp: 196486

Ion Ratio Lower Upper

65 100

92 60.8 59.1 88.7

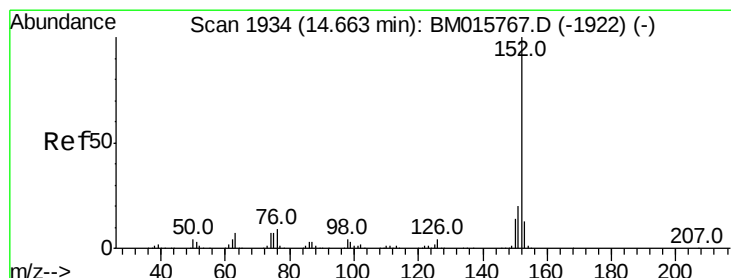
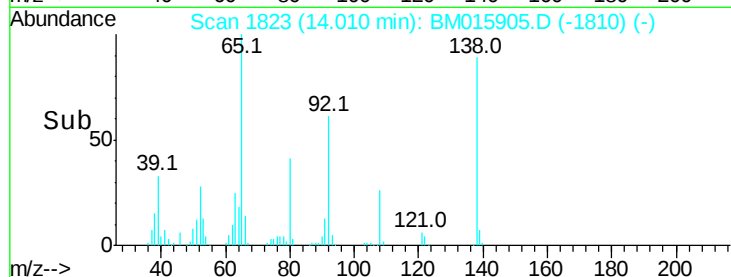
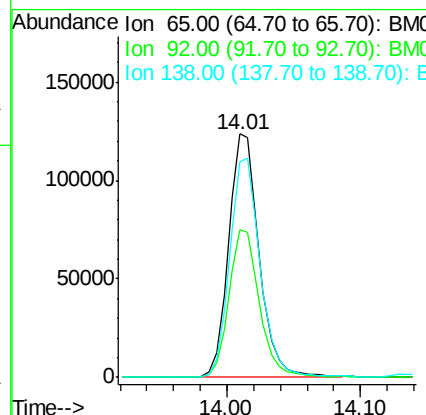
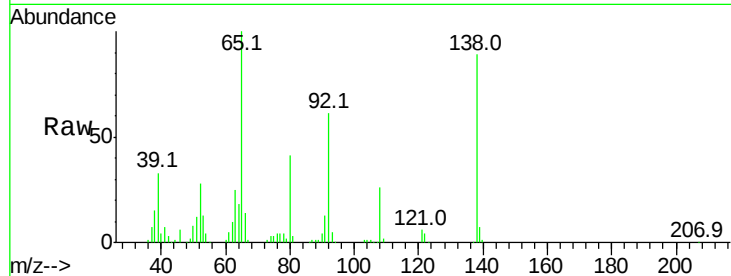
138 88.5 93.9 140.9#

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#48

Acenaphthylene

Concen: 52.135 ng

RT: 14.64 min Scan# 1930

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

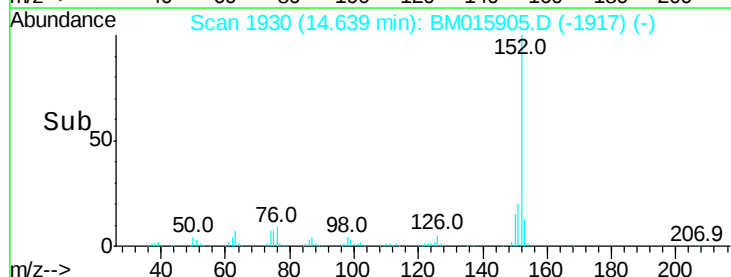
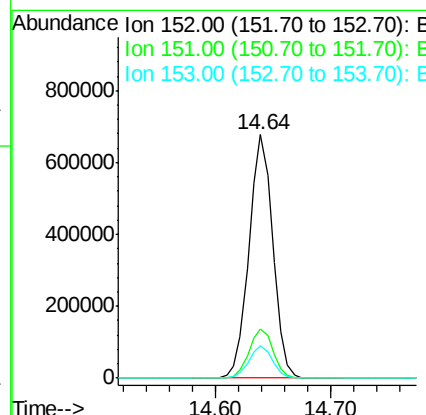
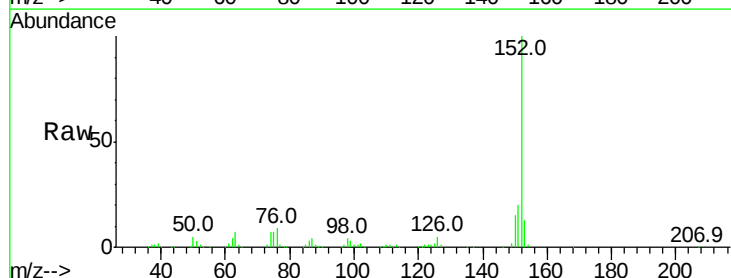
Tgt Ion: 152 Resp: 973234

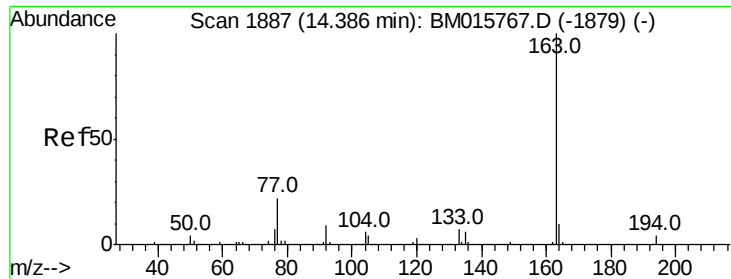
Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

153 13.2 10.6 16.0





#49

Dimethylphthalate

Concen: 47.477 ng

RT: 14.36 min Scan# 1883

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Instrument :

BNA_M

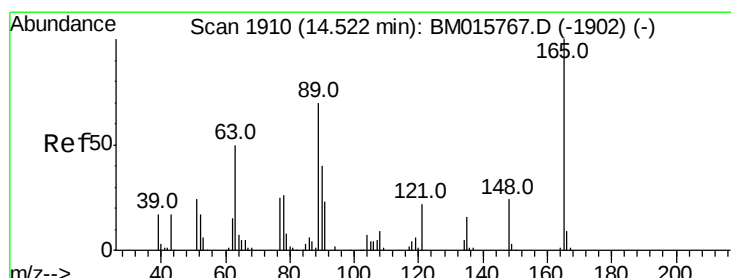
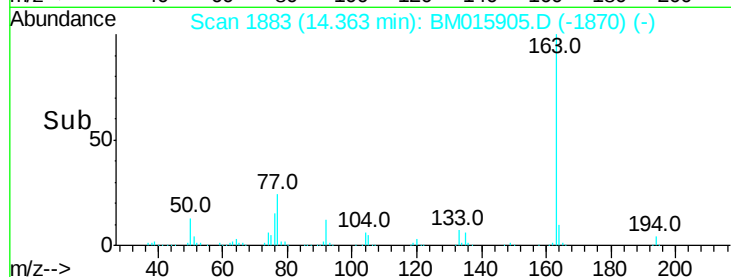
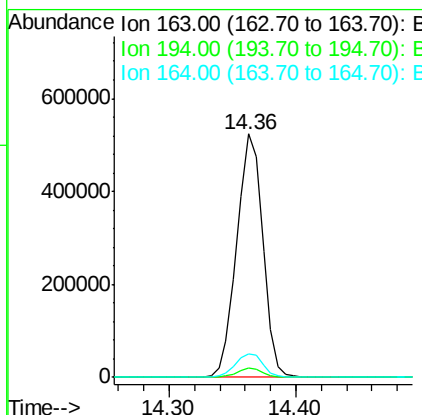
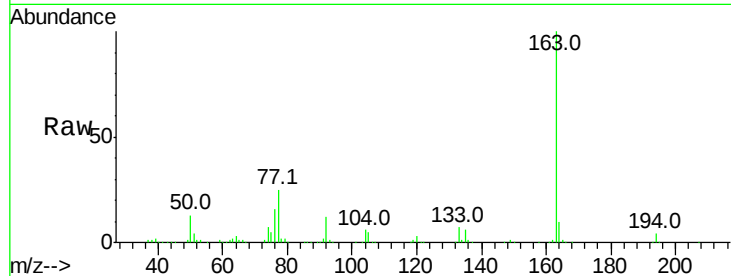
ClientSampleId :

HD-02-071018MSD

Tot Ion:	163	Resp:	743292
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.7	4.1
164	9.9	8.2	12.2

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#50

2,6-Dinitrotoluene

Concen: 50.860 ng

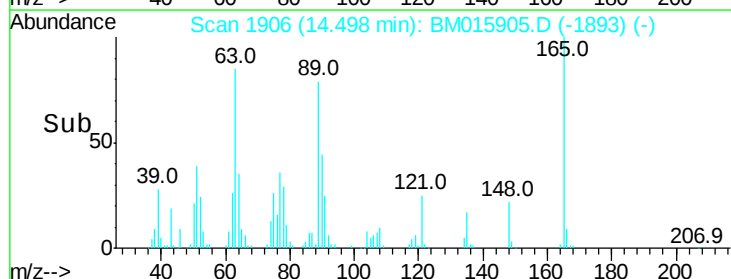
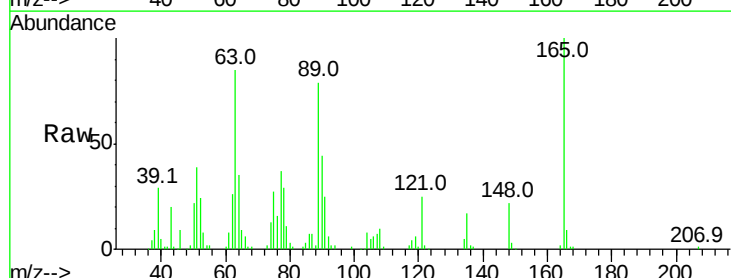
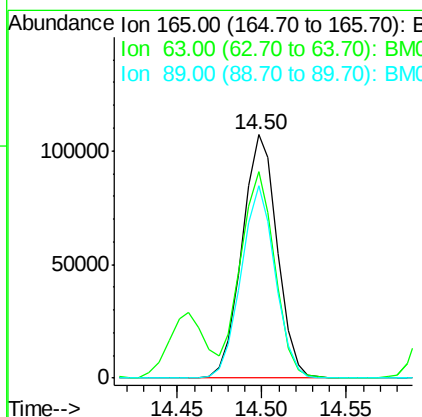
RT: 14.50 min Scan# 1906

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Tgt Ion:	165	Resp:	155251
Ion Ratio	Lower	Upper	
165	100		
63	84.6	44.1	66.1#
89	78.9	44.3	66.5#





#51

Acenaphthene

Concen: 49.039 ng

RT: 14.97 min Scan# 1987

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Instrument :

BNA_M

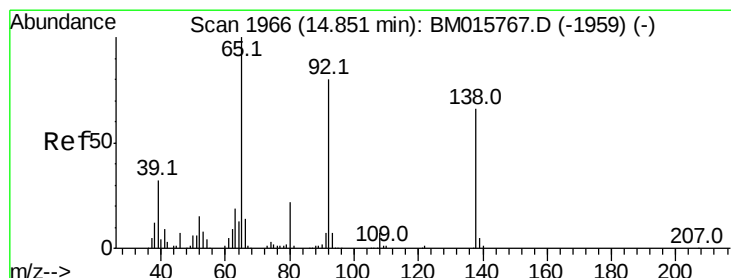
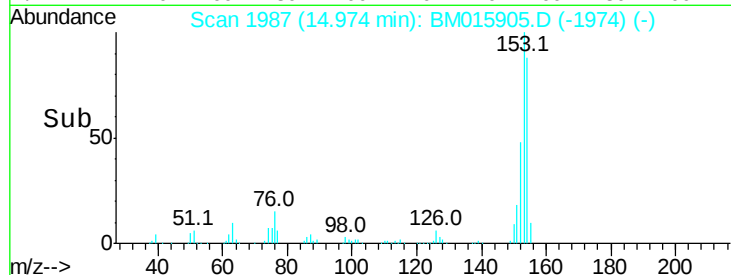
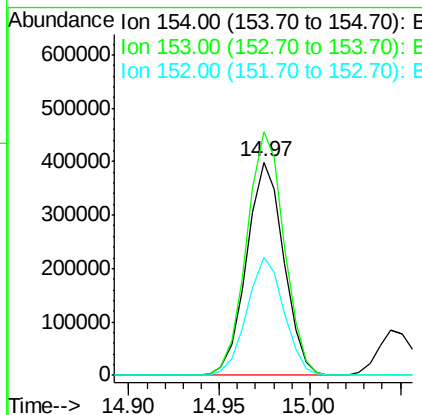
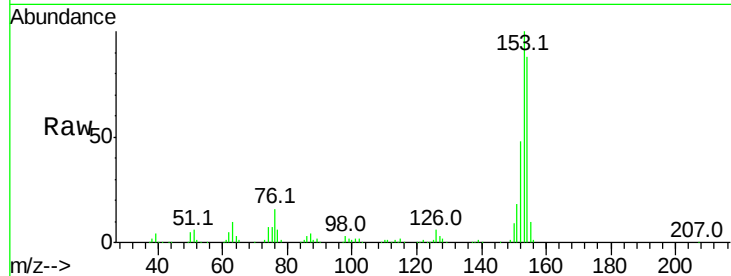
ClientSampleId :

HD-02-071018MSD

Tot Ion:	154	Resp:	569645
Ion Ratio	Lower	Upper	
154	100		
153	114.2	90.0	135.0
152	55.2	42.6	63.8

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#52

3-Nitroaniline

Concen: 17.589 ng

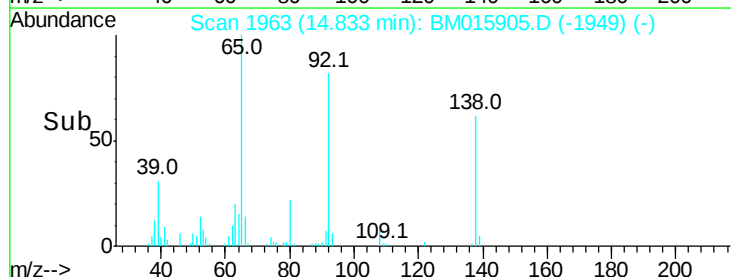
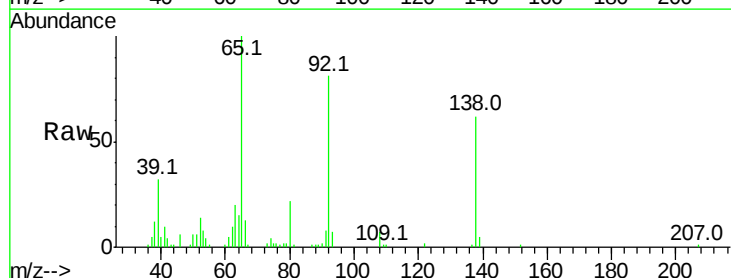
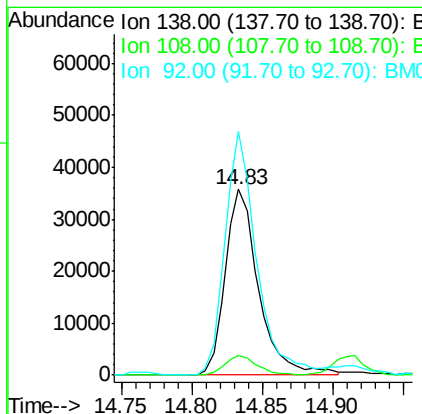
RT: 14.83 min Scan# 1963

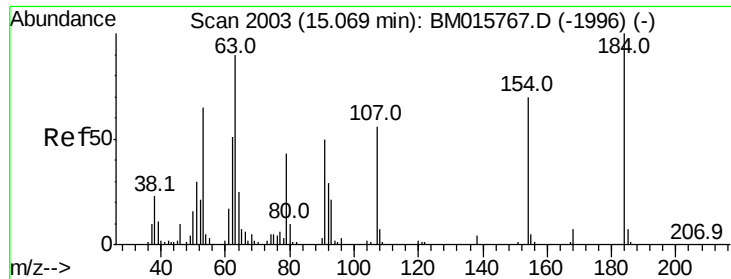
Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Tgt Ion:	138	Resp:	58768
Ion Ratio	Lower	Upper	
138	100		
108	10.9	7.3	10.9
92	131.2	76.6	114.8#





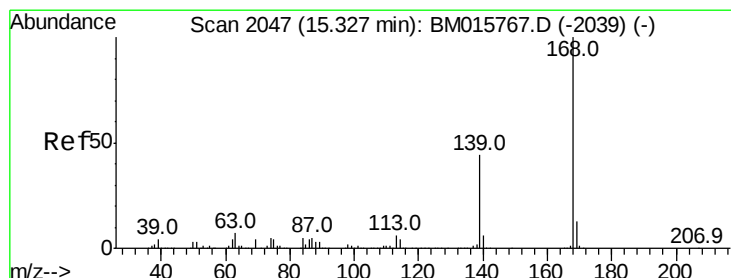
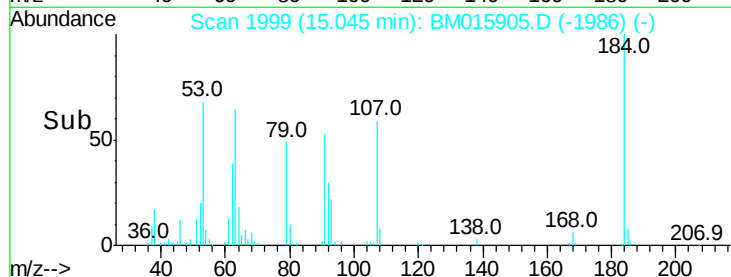
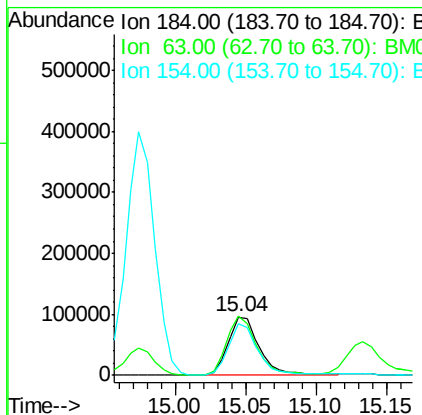
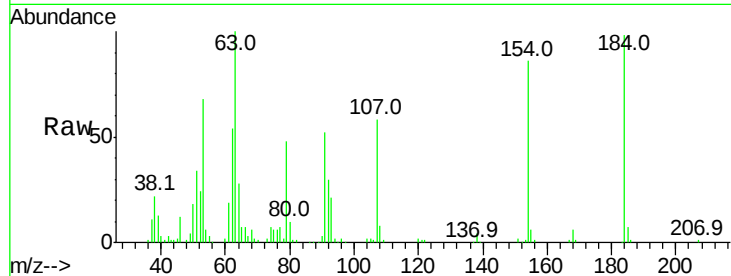
#53
2,4-Dinitrophenol
Concen: 95.769 ng
RT: 15.04 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Instrument :
BNA_M
ClientSampleId :
HD-02-071018MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	148601		
63	101.8	69.2	103.8	
154	87.2	53.3	79.9	

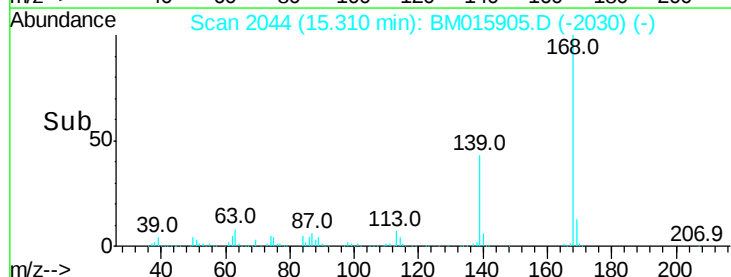
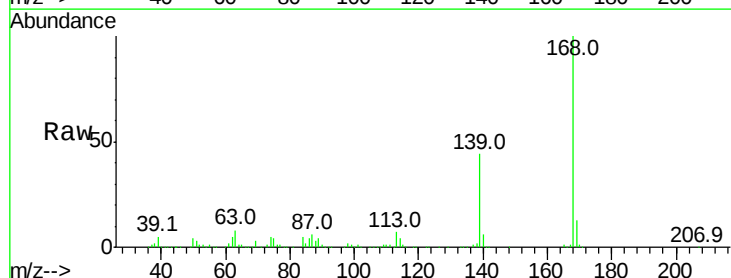
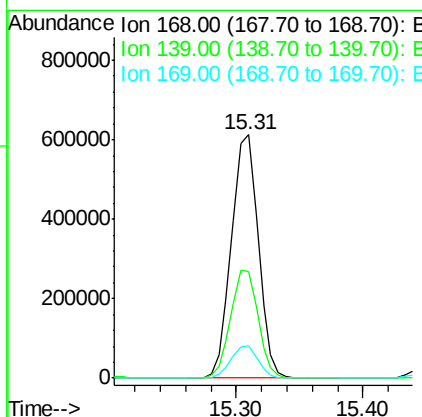
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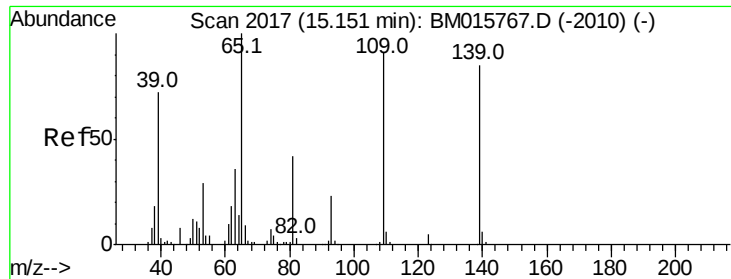
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#54
Dibenzofuran
Concen: 50.196 ng
RT: 15.31 min Scan# 2044
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	898477		
139	43.7	27.3	40.9	
169	13.3	10.6	16.0	





#55

4-Nitrophenol

Concen: 83.477 ng

RT: 15.13 min Scan# 2014

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Instrument :

BNA_M

ClientSampleId :

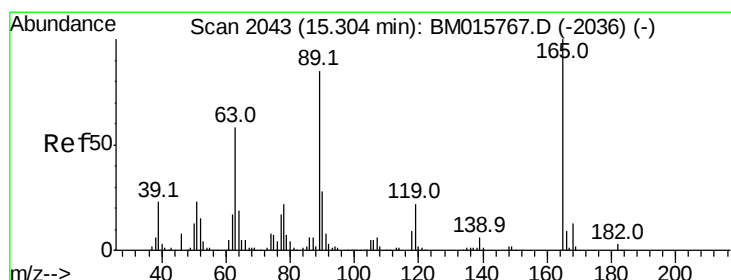
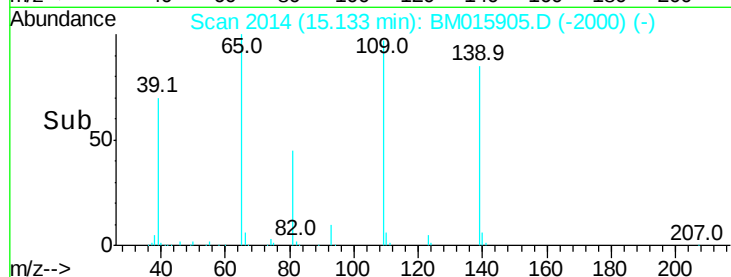
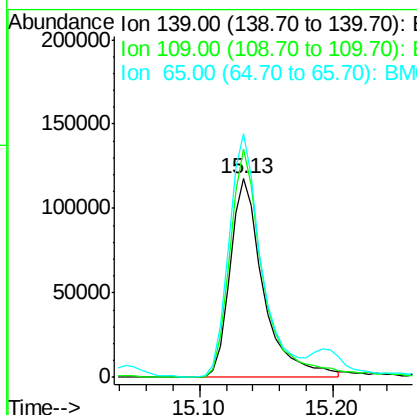
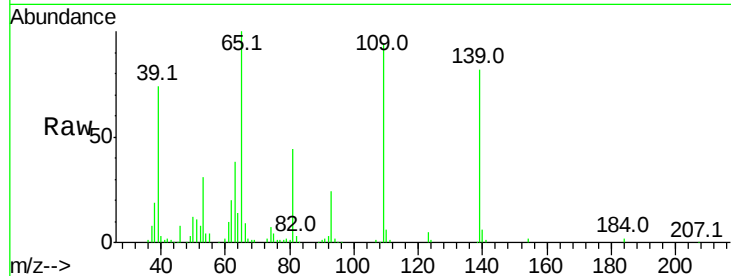
HD-02-071018MSD

Tot Ion:	139	Resp:	205839
Ion Ratio	Lower	Upper	
139	100		
109	114.9	130.0	170.0#
65	122.6	130.0	170.0#

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#56

2,4-Dinitrotoluene

Concen: 47.645 ng

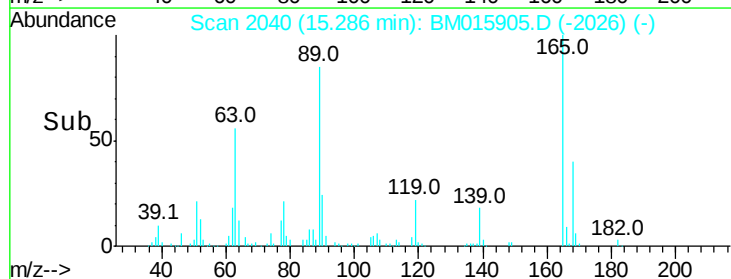
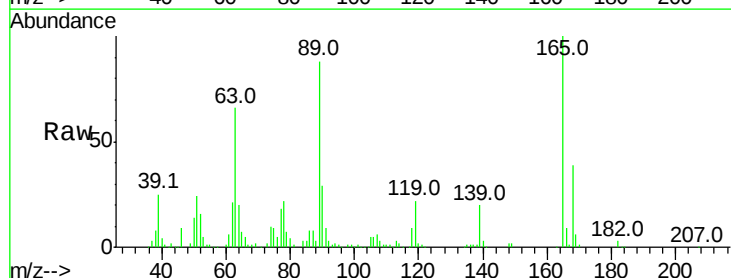
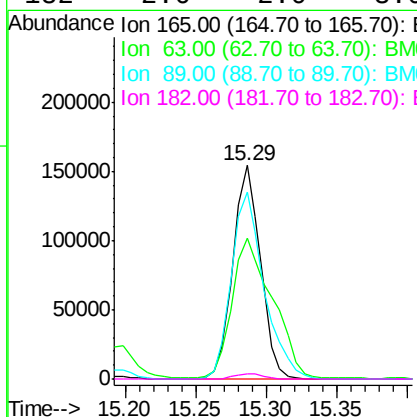
RT: 15.29 min Scan# 2040

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Tgt Ion:	165	Resp:	209969
Ion Ratio	Lower	Upper	
165	100		
63	65.8	52.4	78.6
89	87.6	72.4	108.6
182	2.6	2.0	3.0





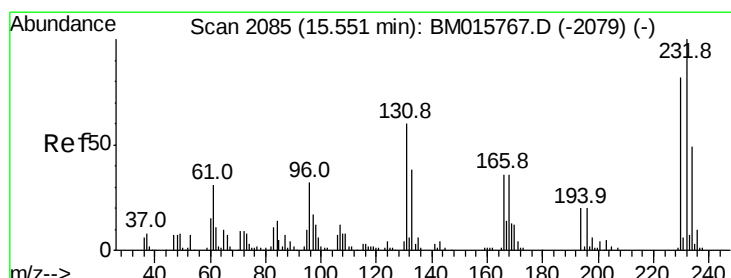
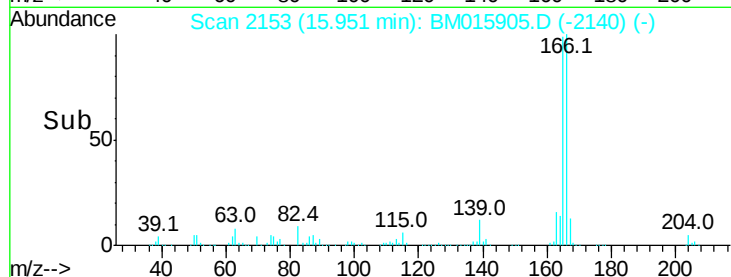
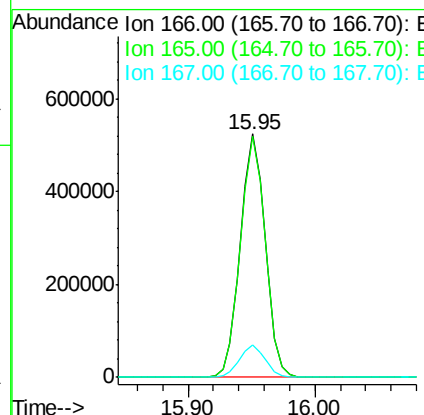
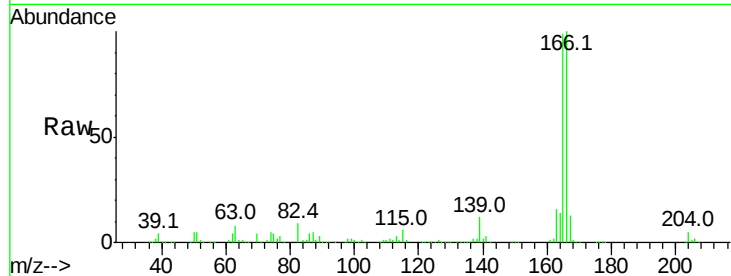
#57
 Fluorene
 Concen: 48.056 ng
 RT: 15.95 min Scan# 2153
 Delta R.T. -0.02 min
 Lab File: BM015905.D
 Acq: 12 Jul 2018 09:04

Instrument :
 BNA_M
 ClientSampleId :
 HD-02-071018MSD

Tot Ion	Ratio	Resp	Lower	Upper
166	100	709324		
165	99.0	79.0	118.4	
167	13.3	10.3	15.5	

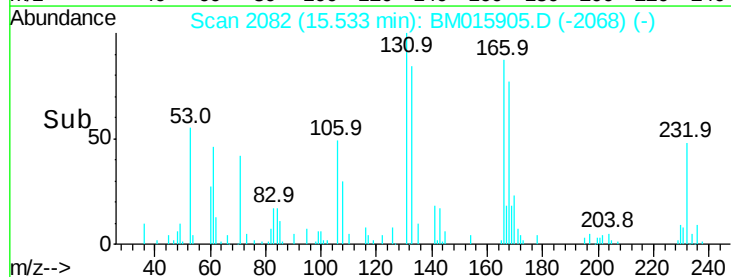
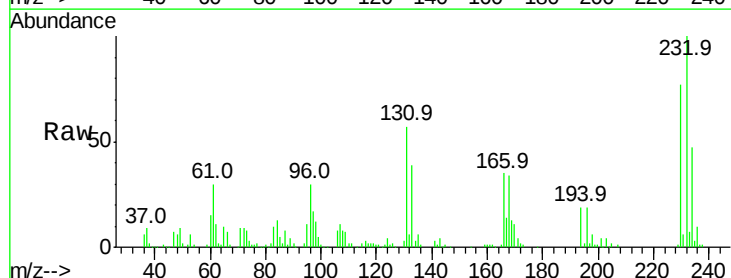
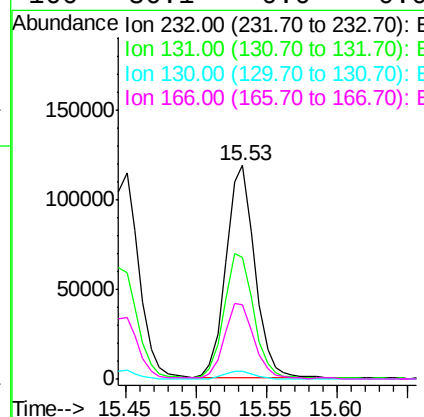
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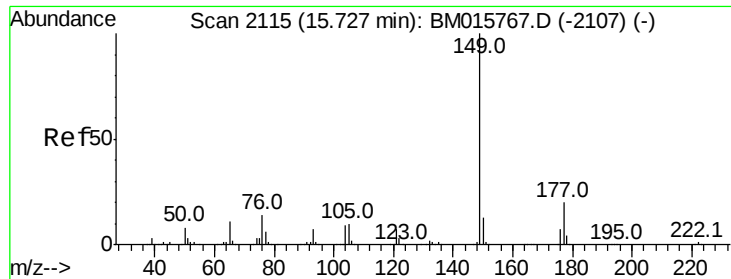
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 51.168 ng
 RT: 15.53 min Scan# 2082
 Delta R.T. -0.02 min
 Lab File: BM015905.D
 Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	167981		
131	60.0	0.0	0.0#	
130	3.9	0.0	0.0#	
166	36.1	0.0	0.0#	





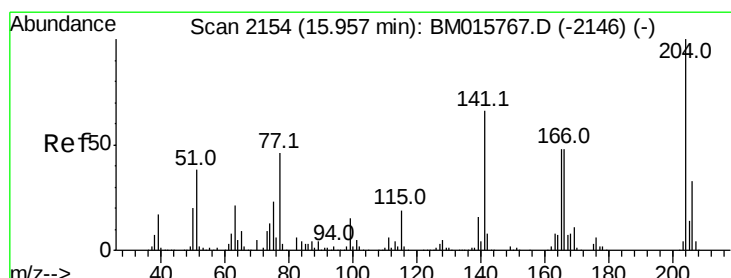
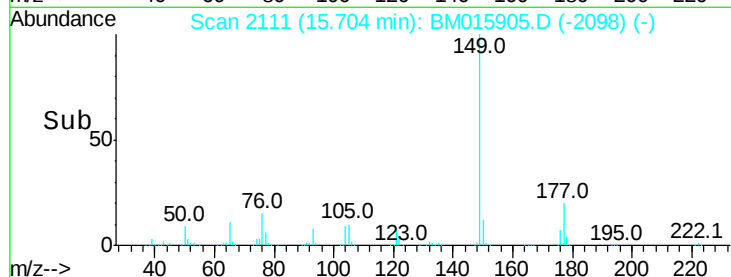
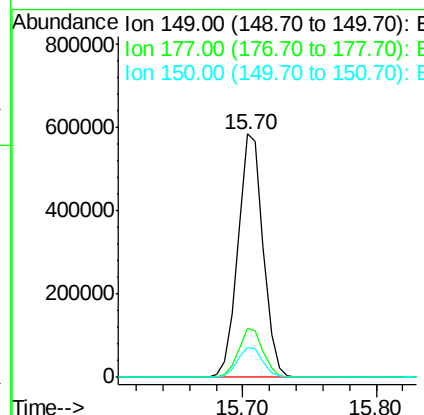
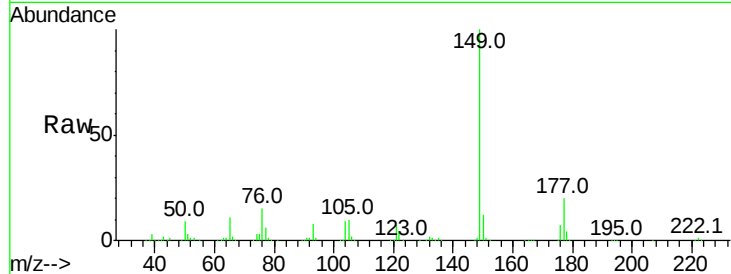
#59
Diethylphthalate
Concen: 45.544 ng
RT: 15.70 min Scan# 2111
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Instrument :
BNA_M
ClientSampleId :
HD-02-071018MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	764089		
177	19.9	18.3	27.5	
150	12.5	9.8	14.8	

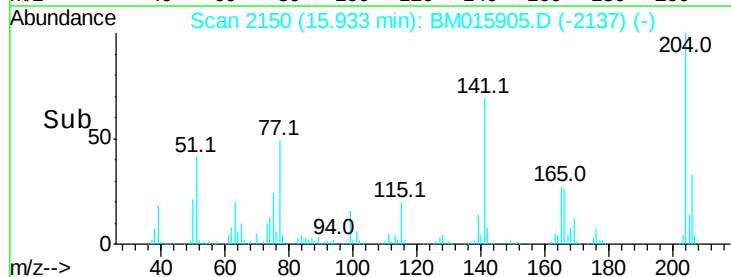
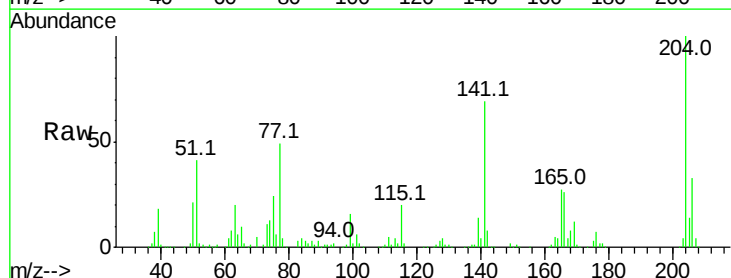
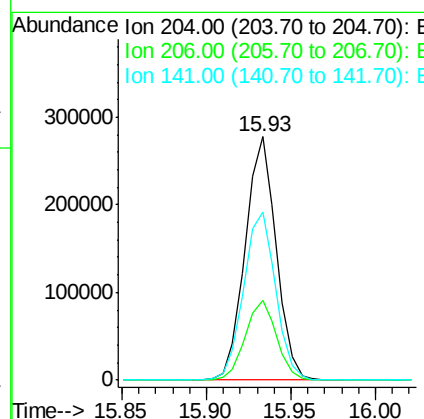
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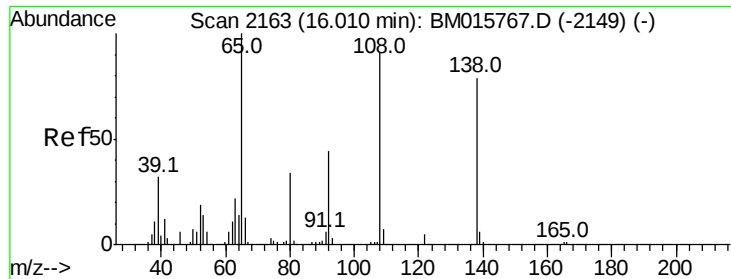
Sohil
7/12/2018 6:47:05 PM



#60
4-Chlorophenyl-phenylether
Concen: 46.681 ng
RT: 15.93 min Scan# 2150
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	354554		
206	32.9	26.6	39.8	
141	69.3	45.2	67.8	





#61

4-Nitroaniline

Concen: 35.012 ng

RT: 15.99 min Scan# 2159

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Instrument :

BNA_M

ClientSampleId :

HD-02-071018MSD

Tot Ion:138 Resp: 121356

Ion Ratio Lower Upper

138 100

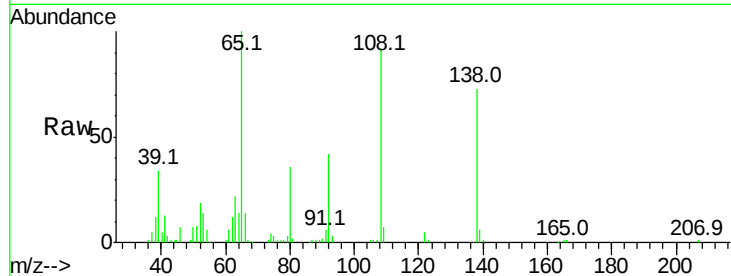
92 58.1 16.7 56.7#

108 126.6 37.6 77.6#

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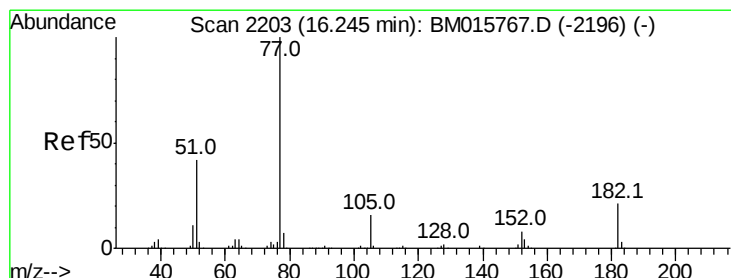
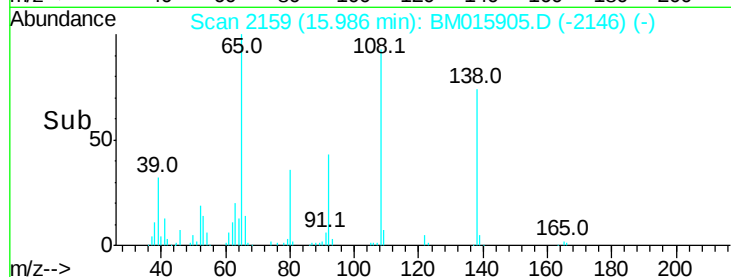
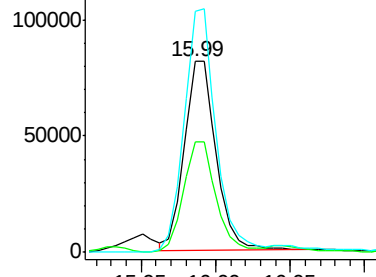
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 52.201 ng

RT: 16.23 min Scan# 2200

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Tgt Ion: 77 Resp: 820930

Ion Ratio Lower Upper

77 100

182 20.9 6.5 46.5

105 16.4 3.8 43.8

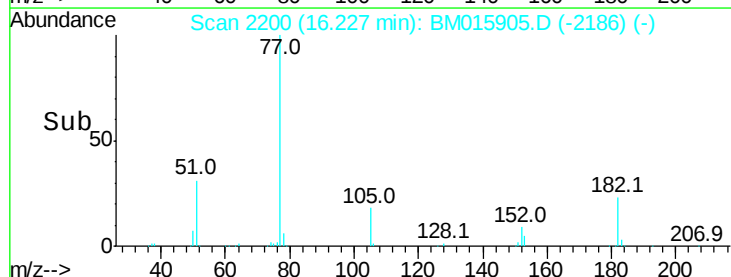
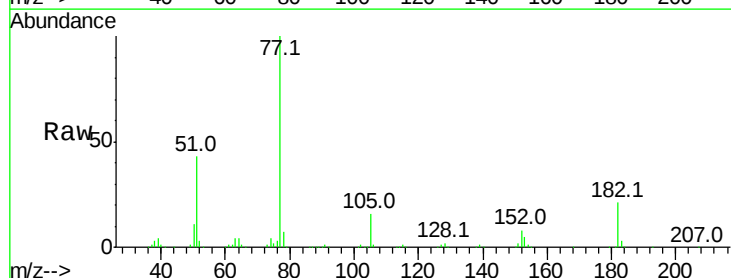
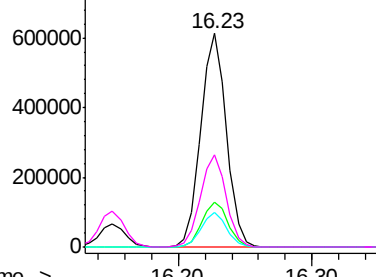
51 42.9 5.5 45.5

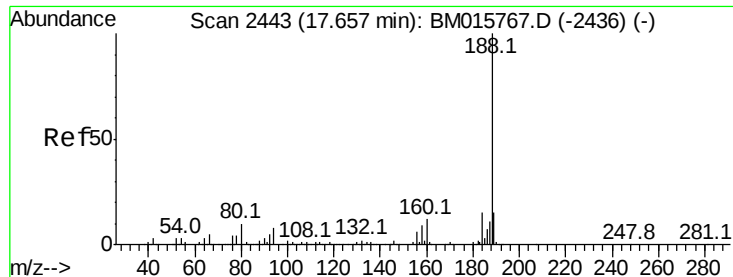
Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0





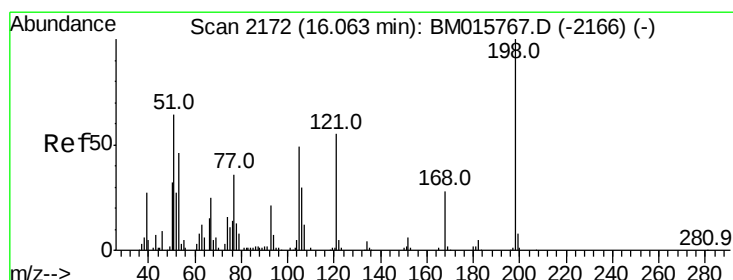
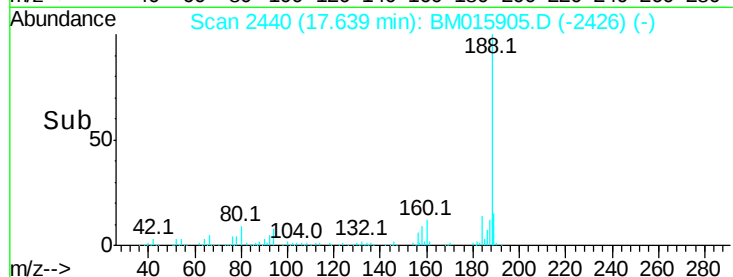
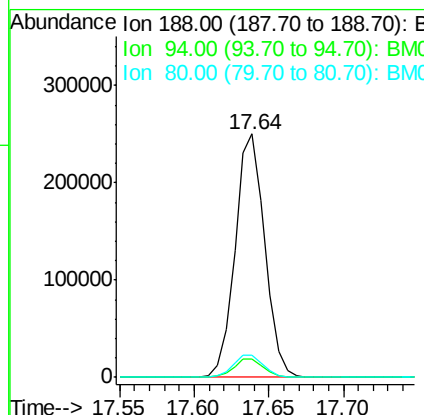
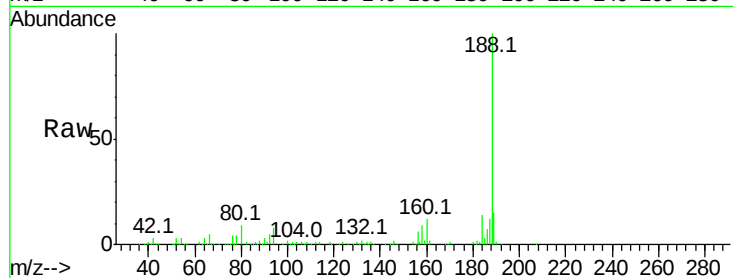
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.64 min Scan# 2440
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Instrument :
BNA_M
ClientSampleId :
HD-02-071018MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.5	8.7	13.1#
80	9.1	9.3	13.9#

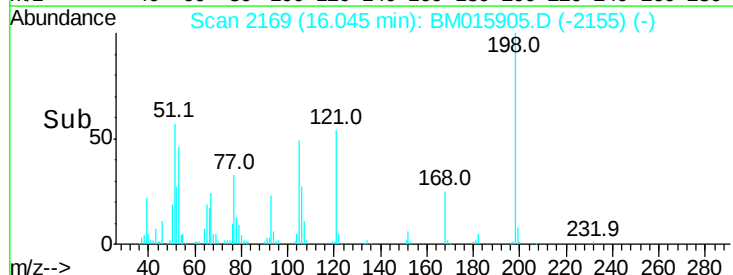
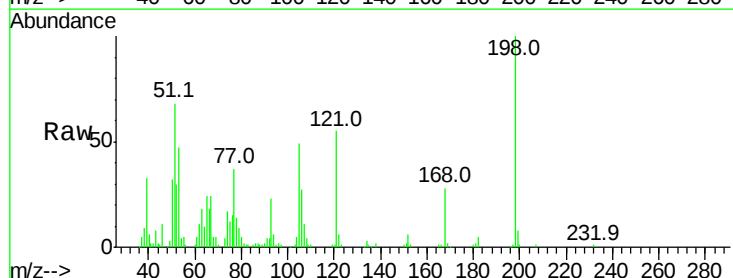
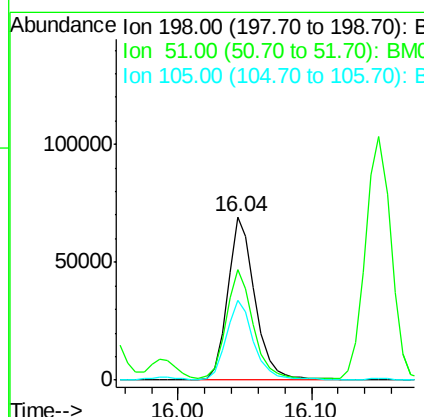
Manual Integrations
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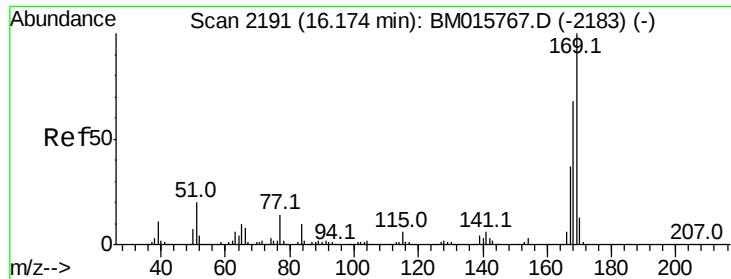
Sohil
7/12/2018 6:47:05 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 47.296 ng
RT: 16.04 min Scan# 2169
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	67.8	28.8	68.8
105	48.6	30.5	70.5





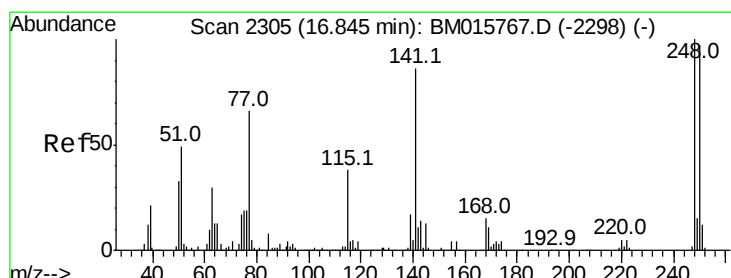
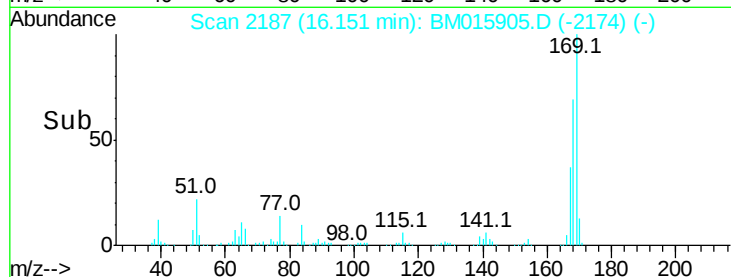
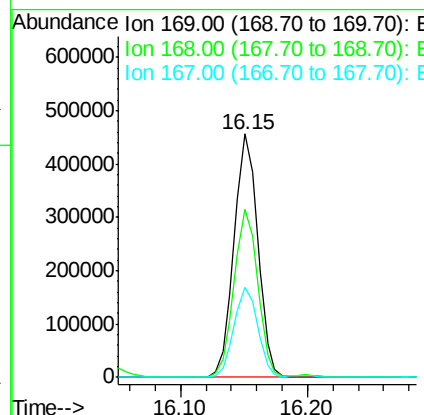
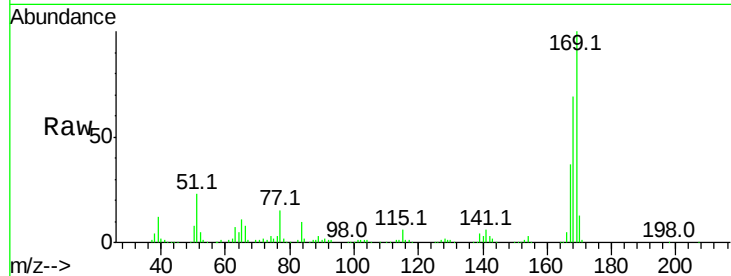
#65
n-Nitrosodiphenylamine
Concen: 49.924 ng
RT: 16.15 min Scan# 2187
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Instrument :
BNA_M
ClientSampleId :
HD-02-071018MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100	590498		
168	69.2		53.9	80.9
167	37.1		28.9	43.3

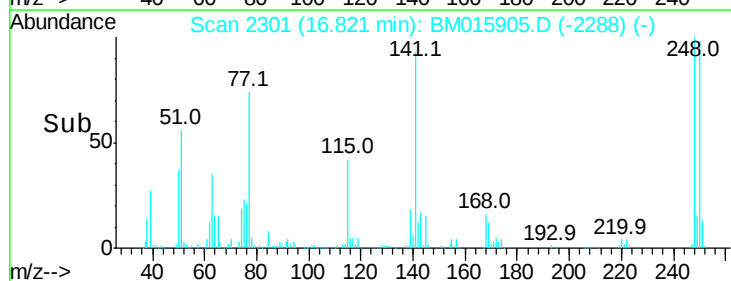
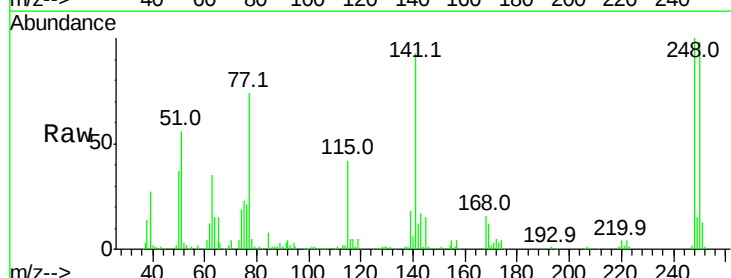
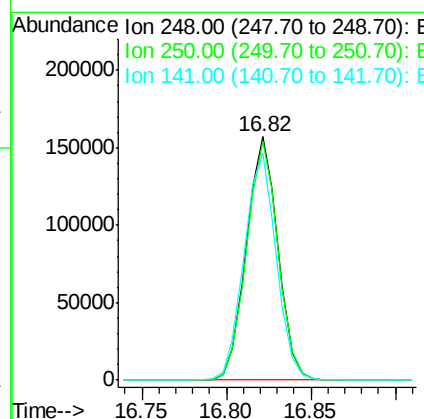
Manual Integrations
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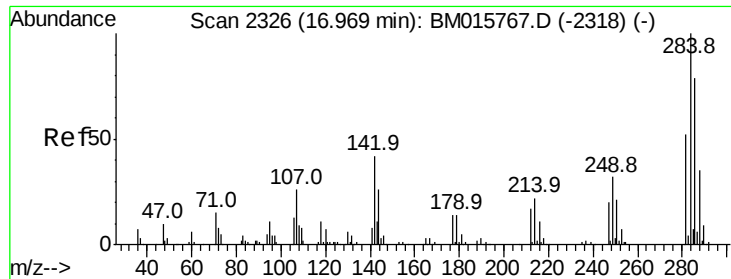
Sohil
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#66
4-Bromophenyl-phenylether
Concen: 52.824 ng
RT: 16.82 min Scan# 2301
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	203590		
250	98.0		77.4	116.0
141	93.2		45.2	67.8#





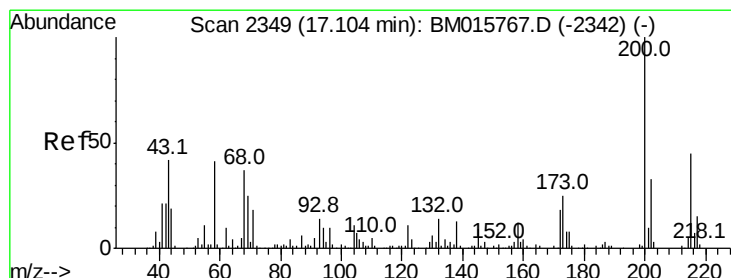
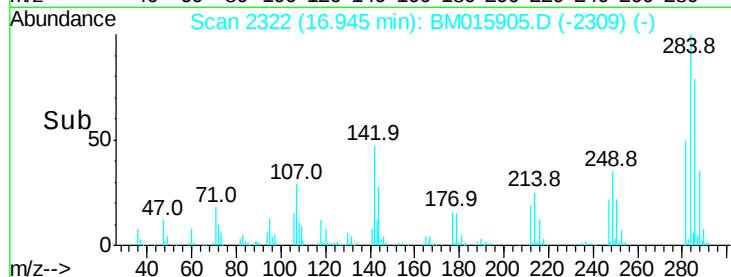
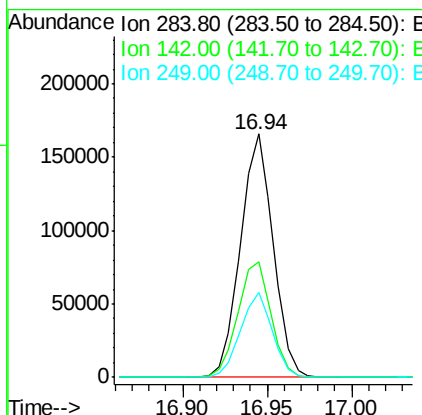
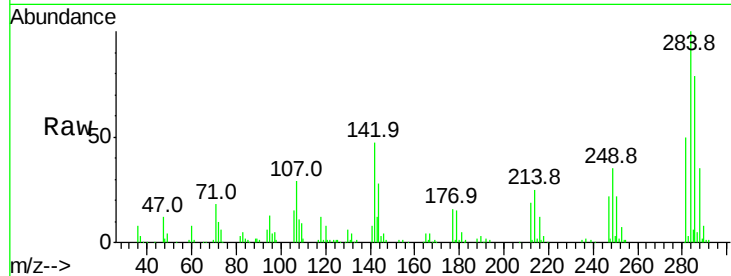
#67
Hexachlorobenzene
Concen: 51.815 ng
RT: 16.94 min Scan# 2322
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Instrument :
BNA_M
ClientSampleId :
HD-02-071018MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	223153		
142	47.3	20.4	30.6	#
249	35.1	23.8	35.6	

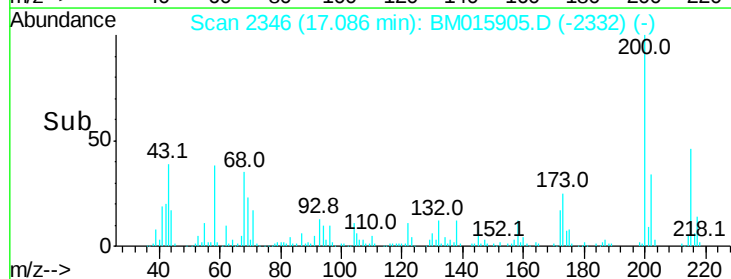
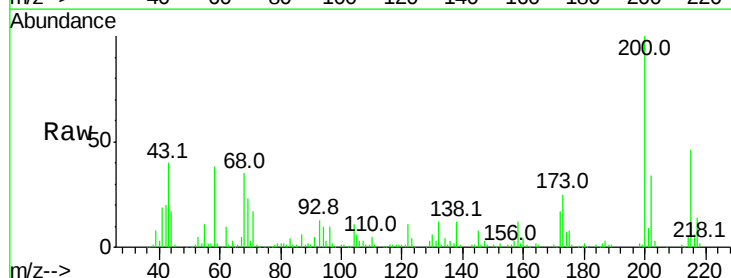
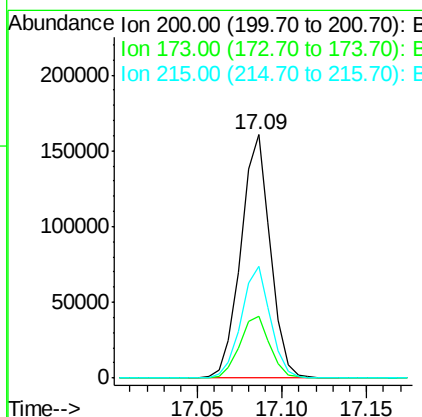
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#68
Atrazine
Concen: 50.171 ng
RT: 17.09 min Scan# 2346
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	195191		
173	25.2	4.8	44.8	
215	45.8	26.9	66.9	





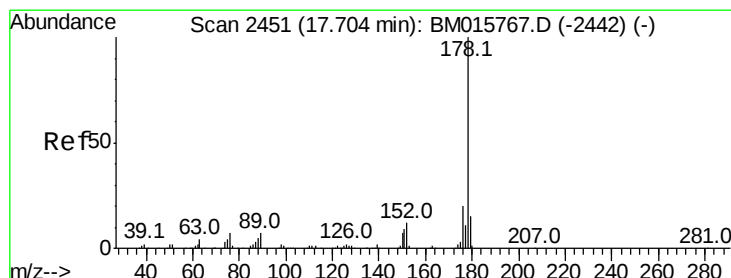
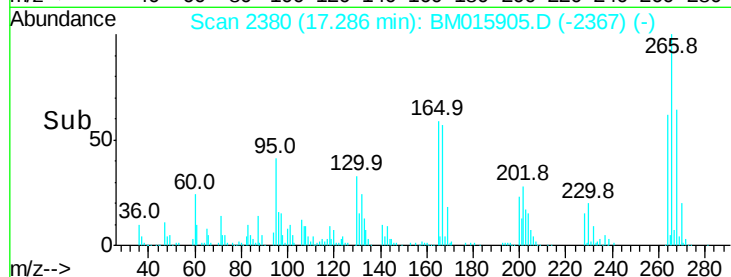
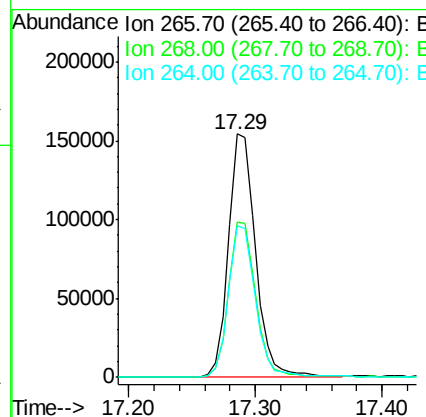
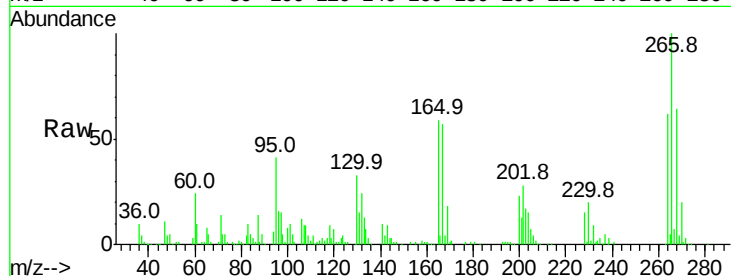
#69
 Pentachlorophenol
 Concen: 86.204 ng
 RT: 17.29 min Scan# 2380
 Delta R.T. -0.02 min
 Lab File: BM015905.D
 Acq: 12 Jul 2018 09:04

Instrument :
 BNA_M
 ClientSampleId :
 HD-02-071018MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	229729		
268	63.7	52.0	78.0	
264	62.2	49.0	73.4	

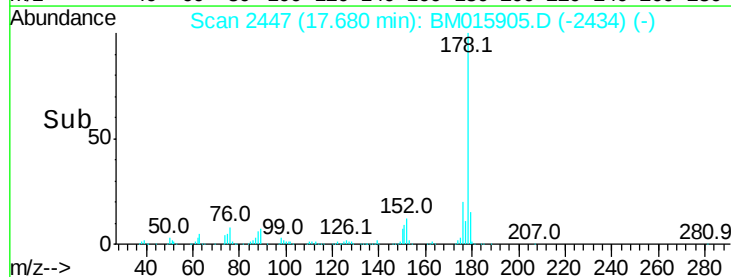
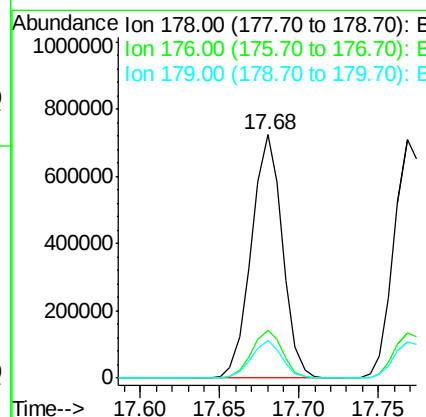
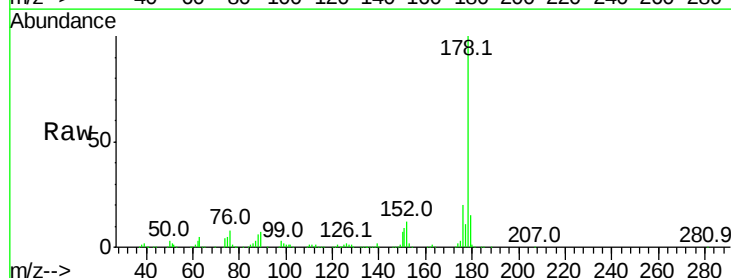
Manual Integrations
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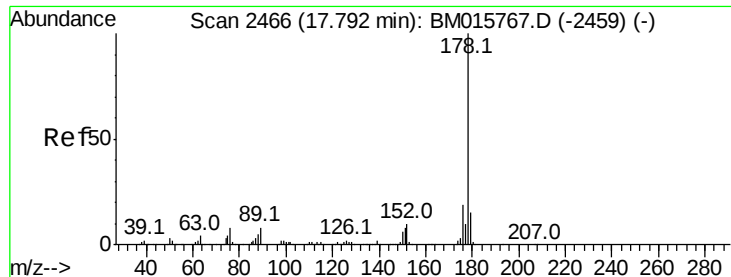
Sohil
 7/12/2018 6:47:05 PM



#70
 Phenanthrene
 Concen: 50.114 ng
 RT: 17.68 min Scan# 2447
 Delta R.T. -0.02 min
 Lab File: BM015905.D
 Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	989681		
176	19.6	15.2	22.8	
179	15.5	12.1	18.1	





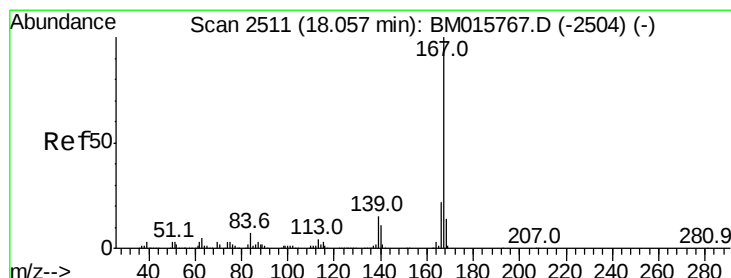
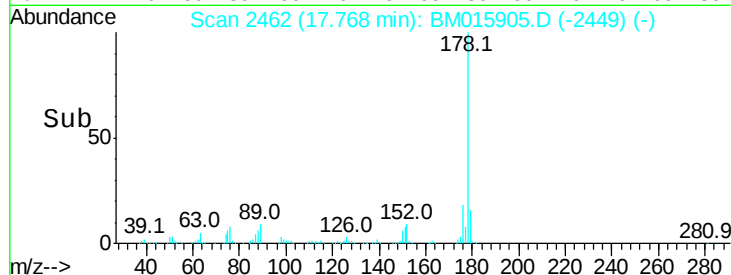
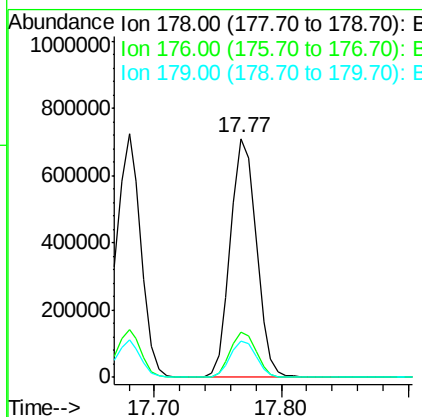
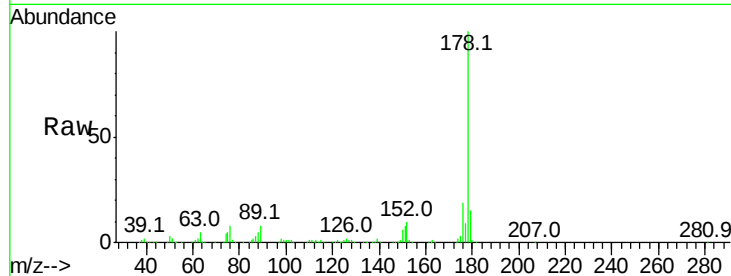
#71
 Anthracene
 Concen: 51.826 ng
 RT: 17.77 min Scan# 2462
 Delta R.T. -0.02 min
 Lab File: BM015905.D
 Acq: 12 Jul 2018 09:04

Instrument :
 BNA_M
 ClientSampleId :
 HD-02-071018MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.6	22.0
179	15.3	12.6	19.0

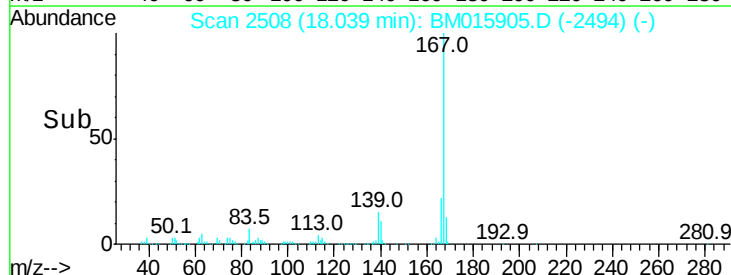
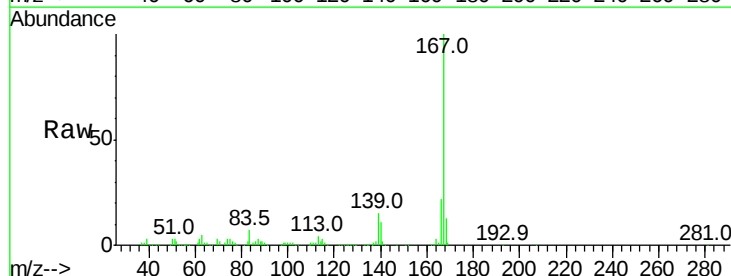
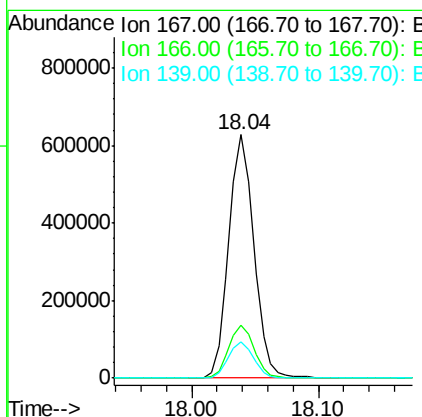
Manual Integrations
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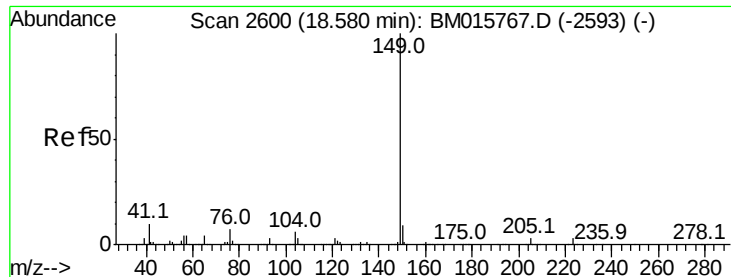
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 7/12/2018 6:47:05 PM



#72
 Carbazole
 Concen: 47.874 ng
 RT: 18.04 min Scan# 2508
 Delta R.T. -0.02 min
 Lab File: BM015905.D
 Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.2	25.8
139	14.9	10.8	16.2





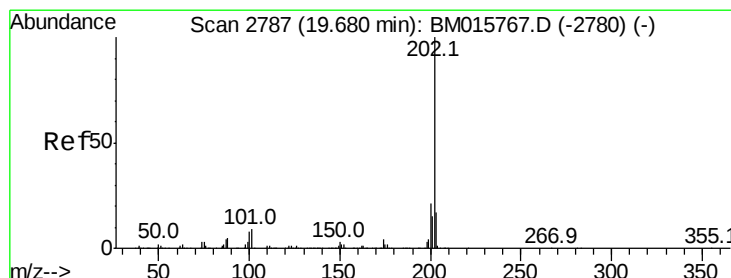
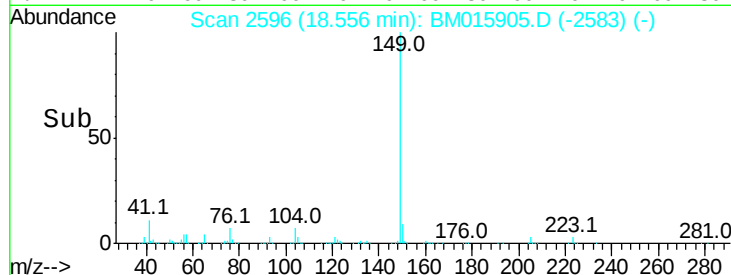
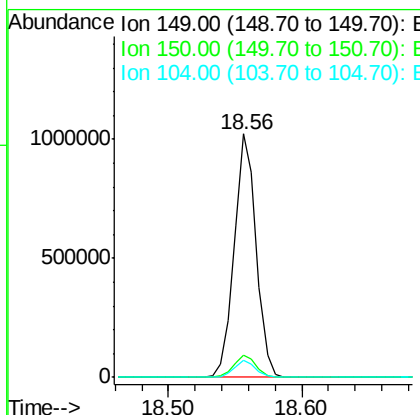
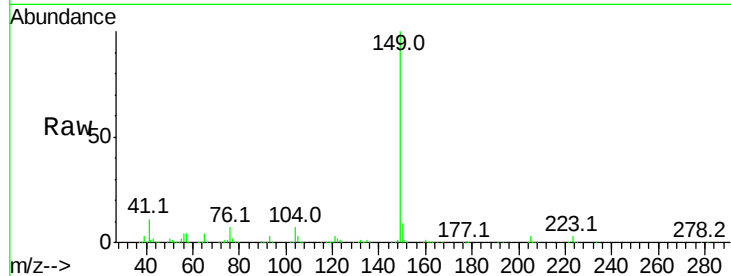
#73
Di-n-butylphthalate
Concen: 48.019 ng
RT: 18.56 min Scan# 2596
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Instrument :
BNA_M
ClientSampleId :
HD-02-071018MSD

Tot Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	6.9	3.7	5.5

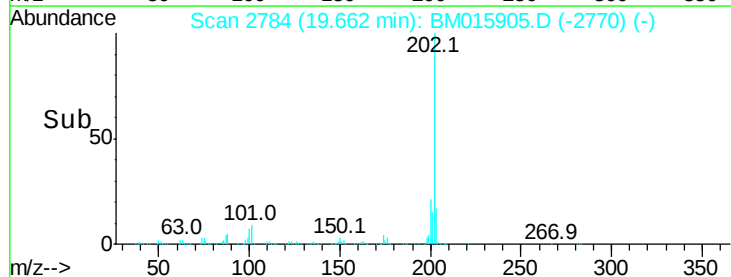
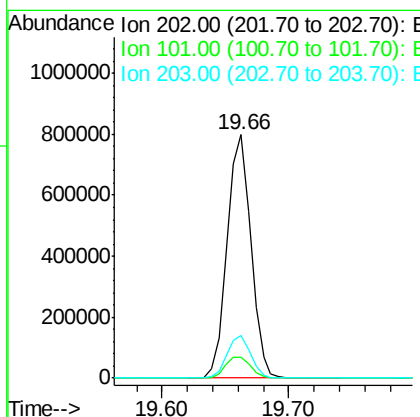
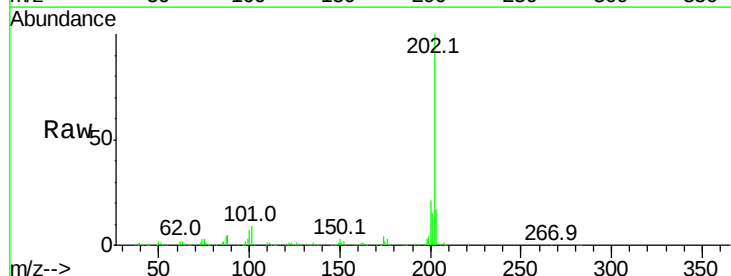
Manual Integrations
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#74
Fluoranthene
Concen: 45.579 ng
RT: 19.66 min Scan# 2784
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	28.7
203	17.3	0.0	37.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3138

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Instrument :

BNA_M

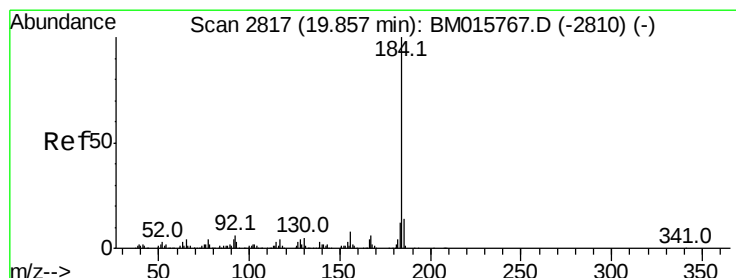
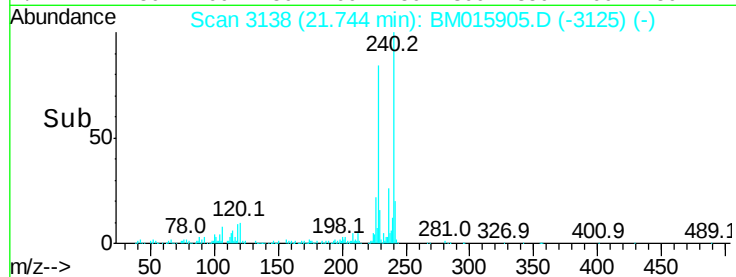
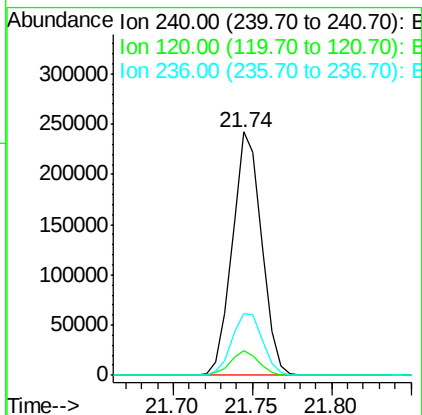
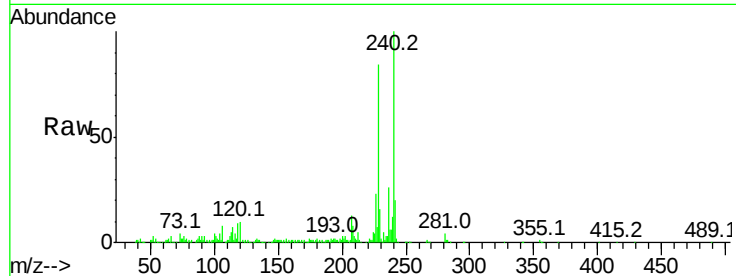
ClientSampleId :

HD-02-071018MSD

Tot Ion:	240	Resp:	309502
Ion Ratio	Lower	Upper	
240	100		
120	10.0	8.2	12.2
236	25.7	20.0	30.0

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#76

Benzidine

Concen: 9.957 ng

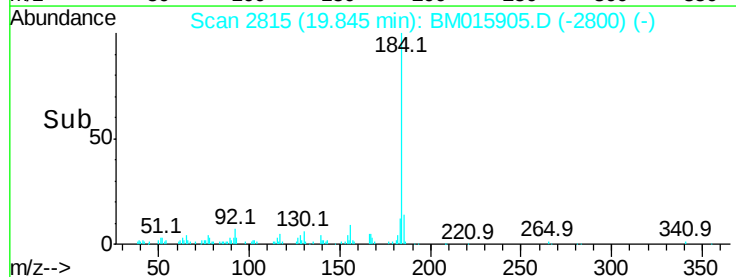
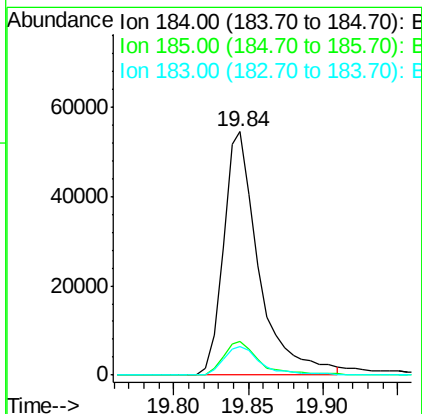
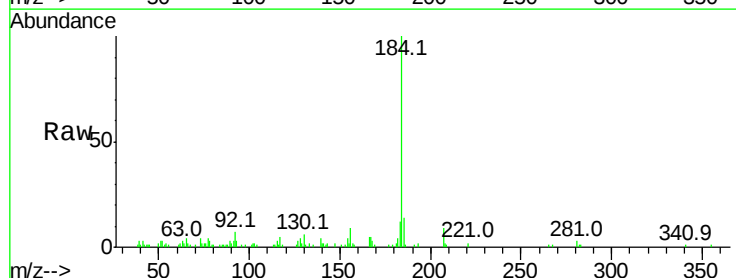
RT: 19.84 min Scan# 2815

Delta R.T. -0.01 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Tgt Ion:	184	Resp:	90288
Ion Ratio	Lower	Upper	
184	100		
185	14.1	11.3	16.9
183	11.8	8.9	13.3





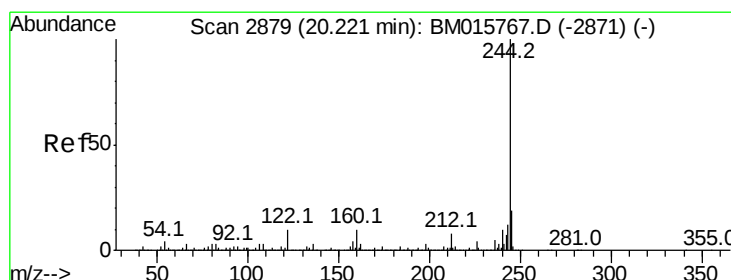
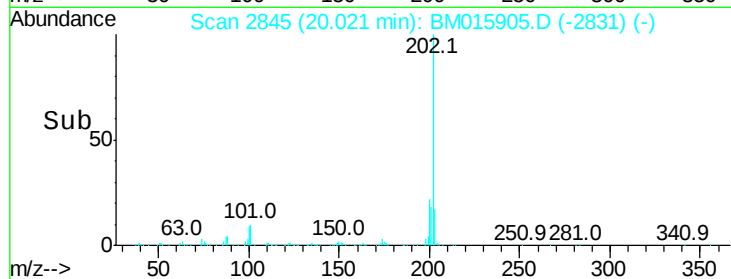
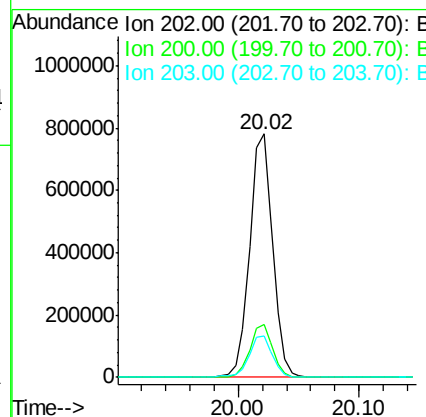
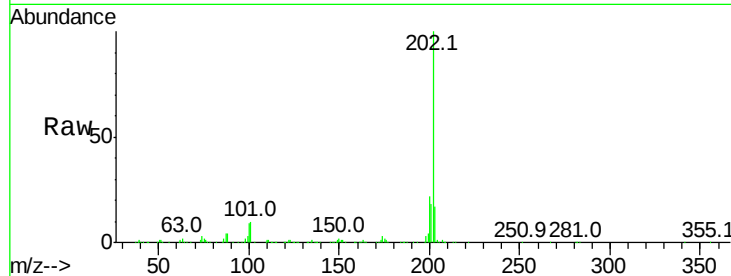
#77
Pvrene
Concen: 53.906 ng
RT: 20.02 min Scan# 2845
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Instrument :
BNA_M
ClientSampleId :
HD-02-071018MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.9	25.3
203	17.1	14.1	21.1

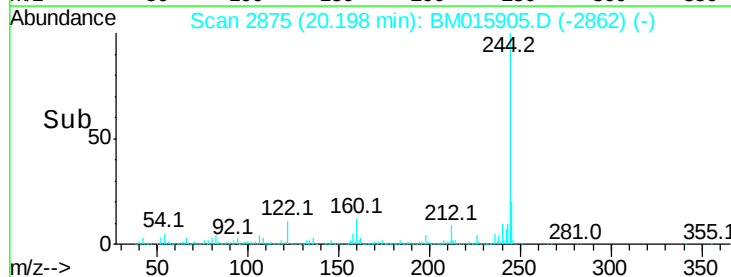
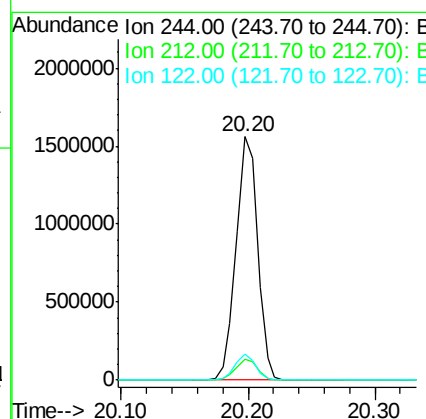
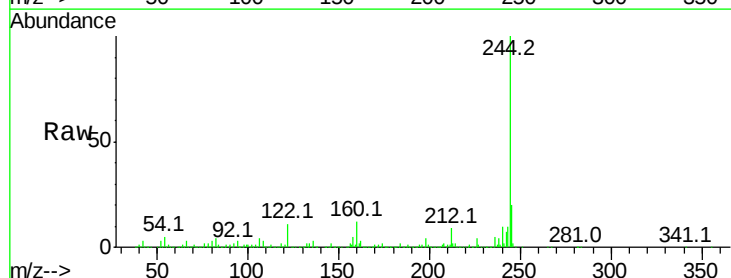
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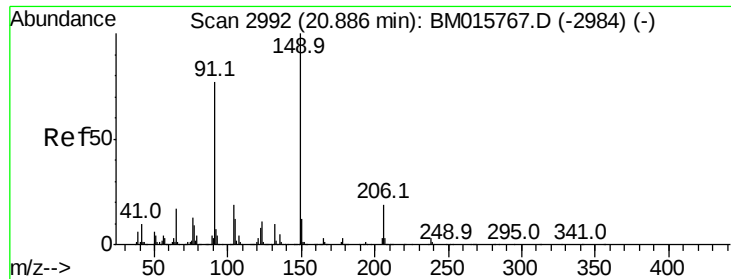
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#78
Terphenyl-d14
Concen: 53.906 ng
RT: 20.20 min Scan# 2875
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.6	4.9	7.3#
122	10.6	6.2	9.4#





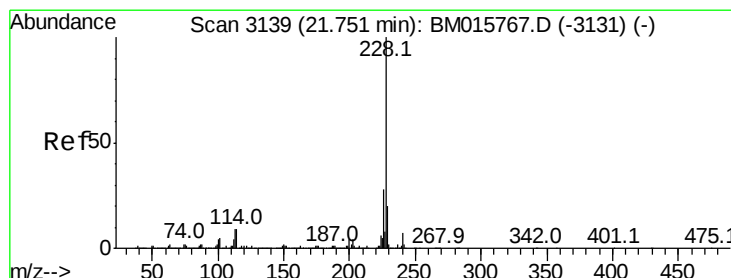
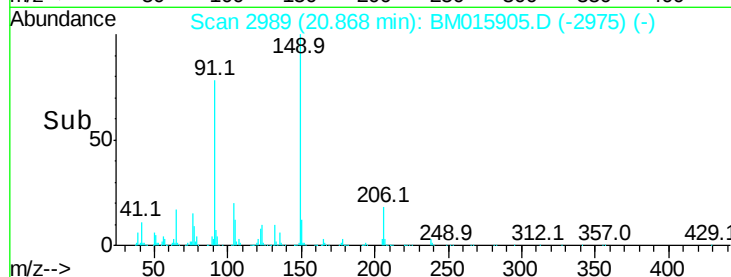
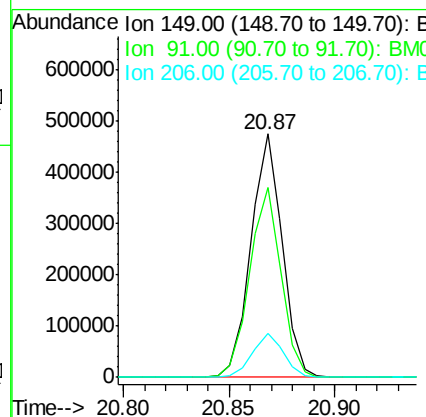
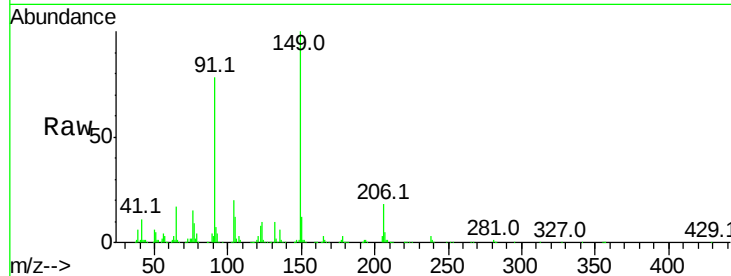
#79
Butylbenzylphthalate
Concen: 52.232 ng
RT: 20.87 min Scan# 2989
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Instrument :
BNA_M
ClientSampleId :
HD-02-071018MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	78.2	50.1	75.1#
206	18.3	16.2	24.2

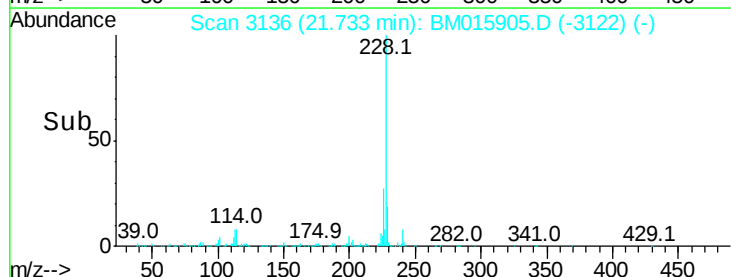
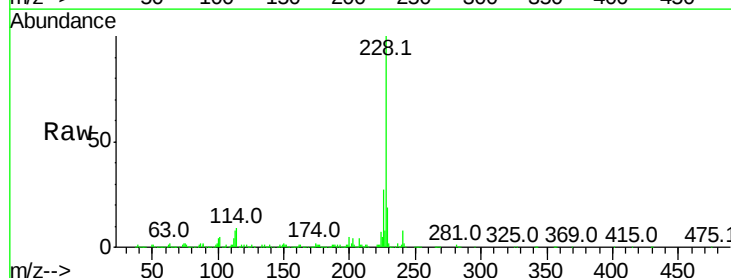
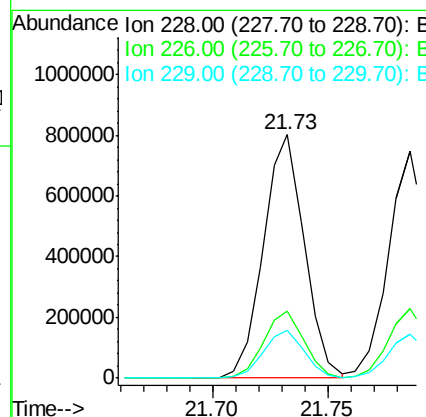
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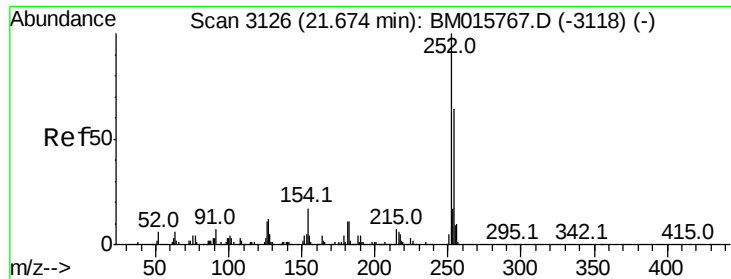
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#80
Benzo(a)anthracene
Concen: 50.318 ng
RT: 21.73 min Scan# 3136
Delta R.T. -0.02 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.7	32.5
229	19.5	16.0	24.0





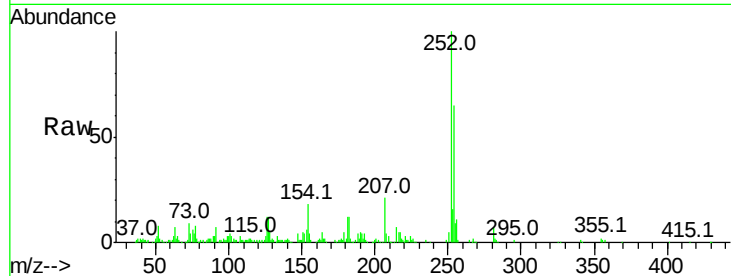
#81
 3,3'-Dichlorobenzidine
 Concen: 24.648 ng
 RT: 21.66 min Scan# 3123
 Delta R.T. -0.02 min
 Lab File: BM015905.D
 Acq: 12 Jul 2018 09:04

Instrument :
 BNA_M
 ClientSampleId :
 HD-02-071018MSD

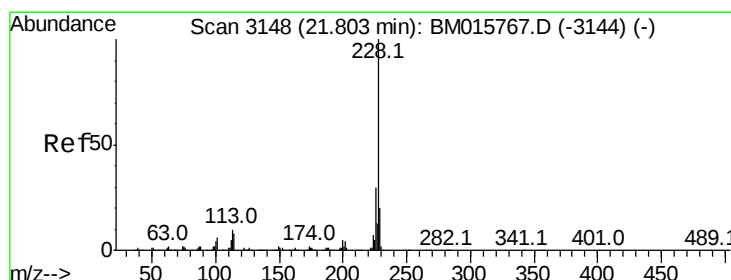
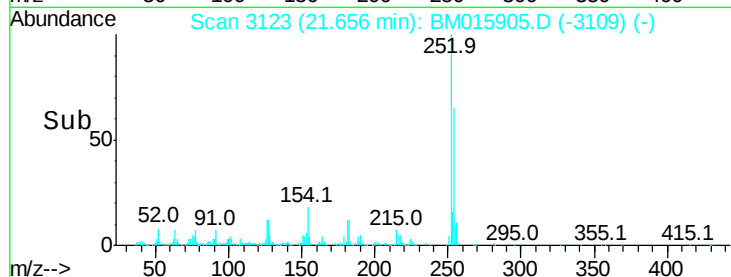
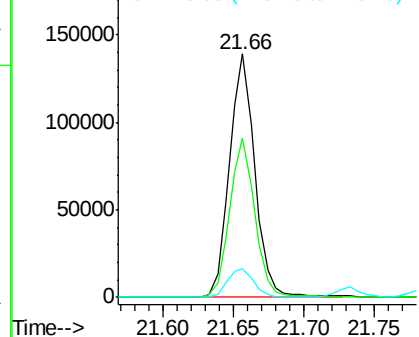
Tot Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.9	77.9
126	11.9	9.8	14.8

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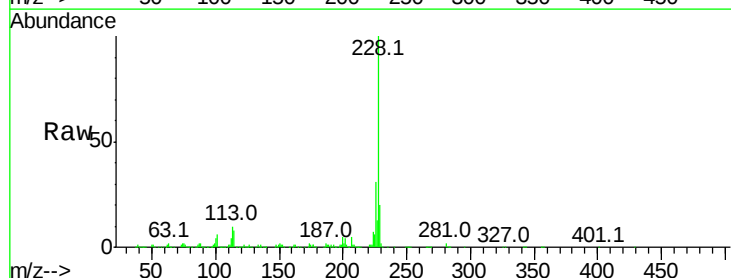


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

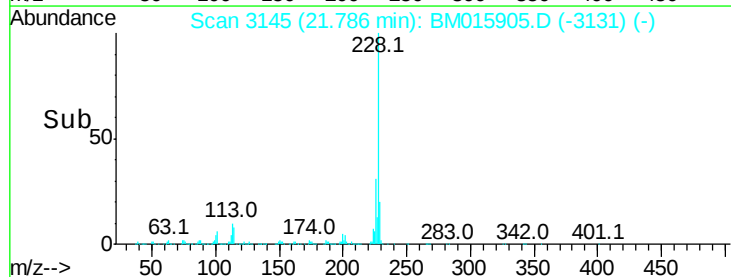
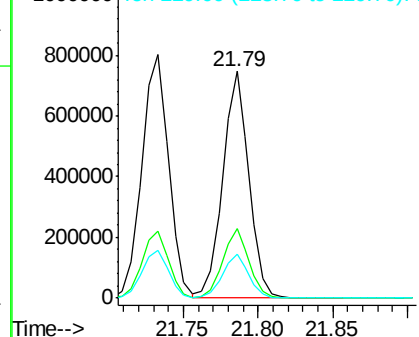


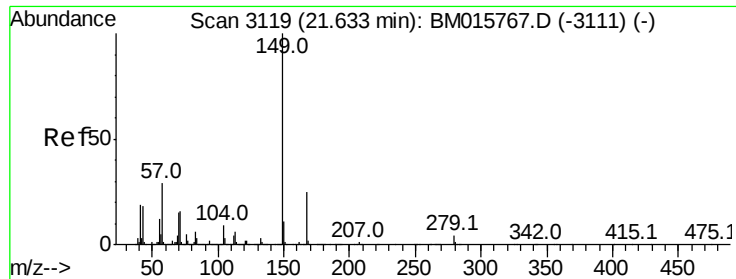
#82
 Chrysene
 Concen: 50.025 ng
 RT: 21.79 min Scan# 3145
 Delta R.T. -0.02 min
 Lab File: BM015905.D
 Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.1	36.1
229	19.6	15.5	23.3



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 51.328 ng

RT: 21.62 min Scan# 3116

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Instrument :

BNA_M

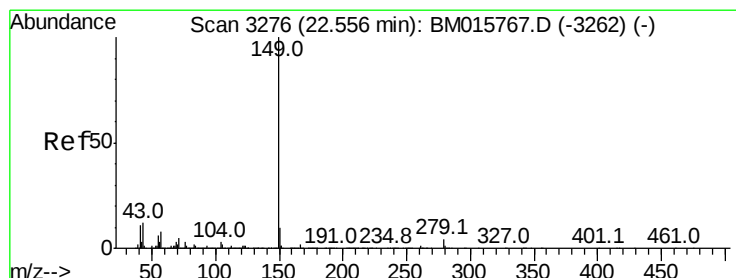
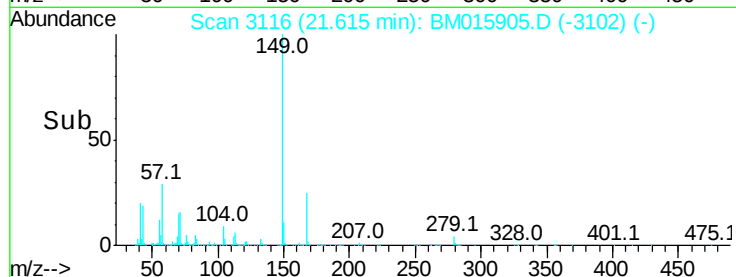
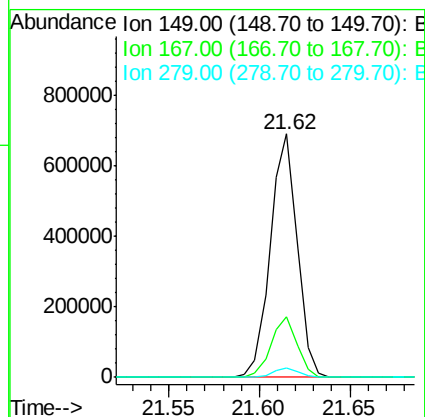
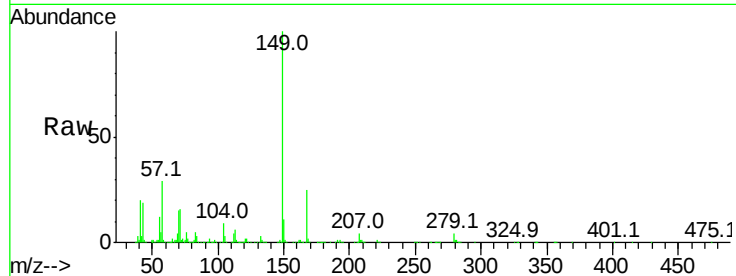
ClientSampleId :

HD-02-071018MSD

Tot Ion:	149	Resp:	706783
Ion Ratio	Lower	Upper	
149	100		
167	24.9	22.4	33.6
279	3.9	3.4	5.0

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#84

Di-n-octyl phthalate

Concen: 50.819 ng

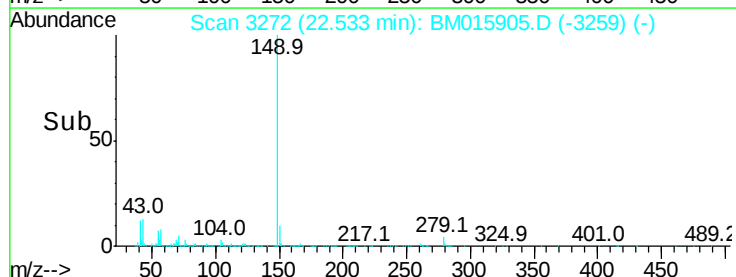
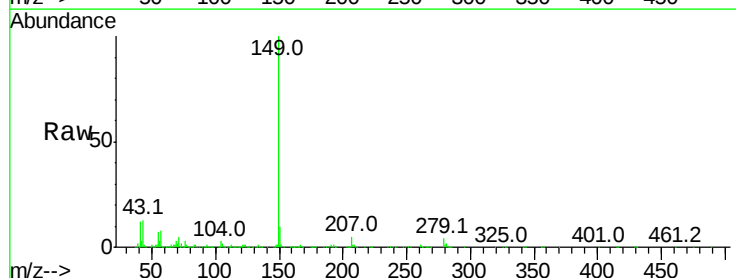
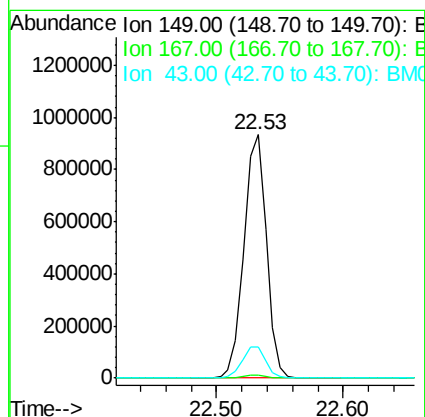
RT: 22.53 min Scan# 3272

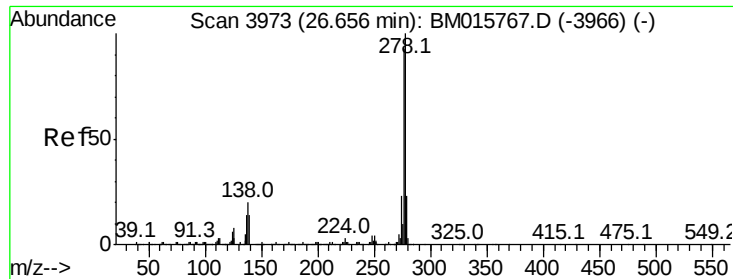
Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Tgt Ion:	149	Resp:	1141034
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.2	1.8
43	13.4	7.3	10.9#





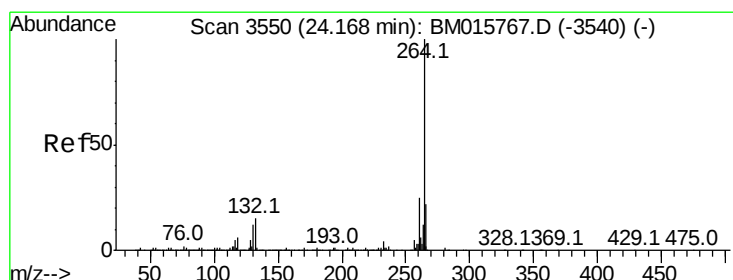
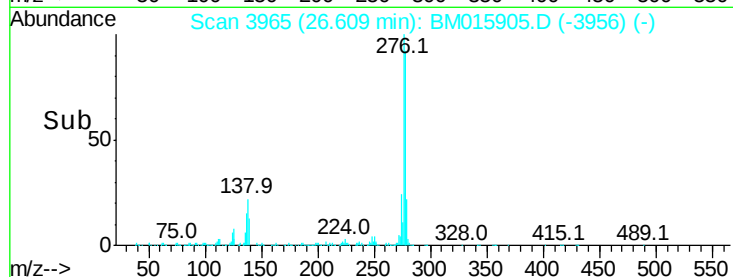
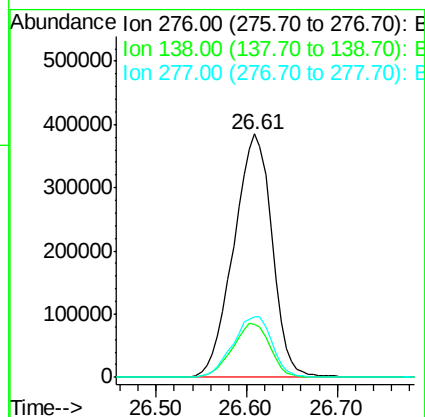
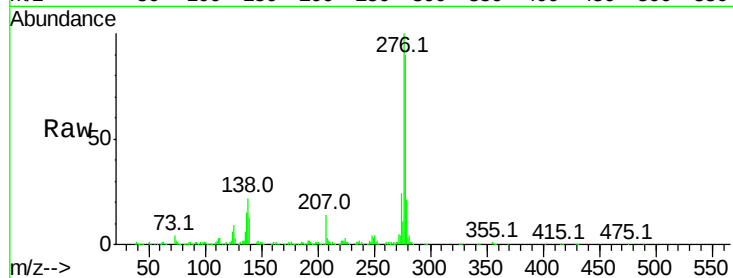
#85
Indeno(1,2,3-cd)pyrene
Concen: 66.118 ng
RT: 26.61 min Scan# 3965
Delta R.T. -0.05 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Instrument :
BNA_M
ClientSampleId :
HD-02-071018MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	12.0	18.0#
277	25.9	20.0	30.0

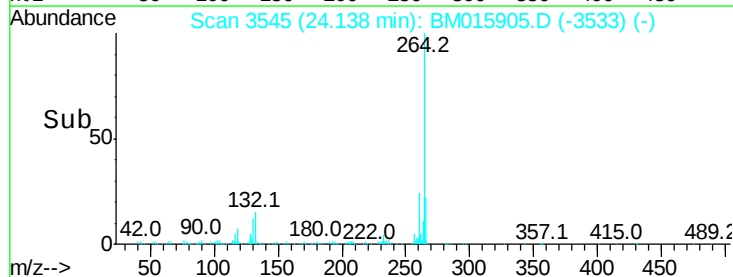
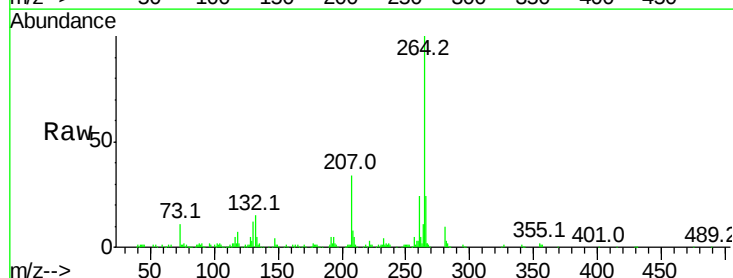
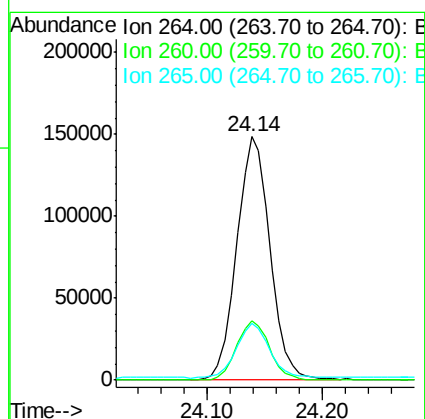
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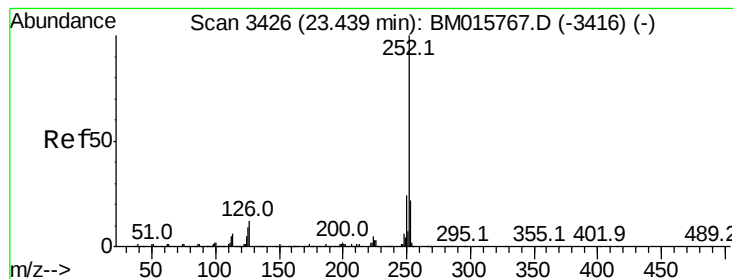
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#86
Perylene-d12
Concen: 20.000 ng
RT: 24.14 min Scan# 3545
Delta R.T. -0.03 min
Lab File: BM015905.D
Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	27.8
265	23.5	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 48.772 ng

RT: 23.41 min Scan# 3422

Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Instrument :

BNA_M

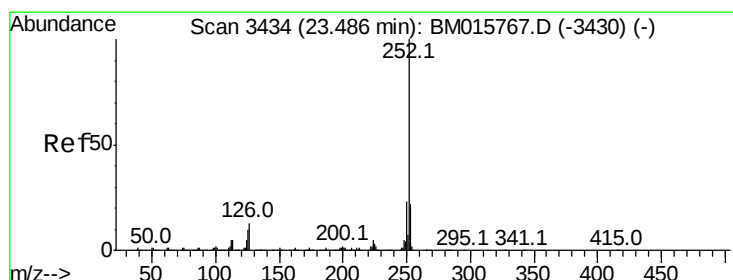
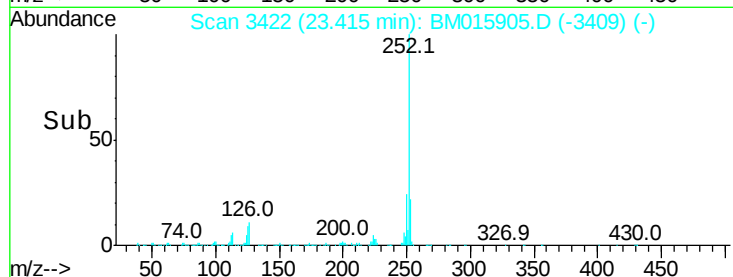
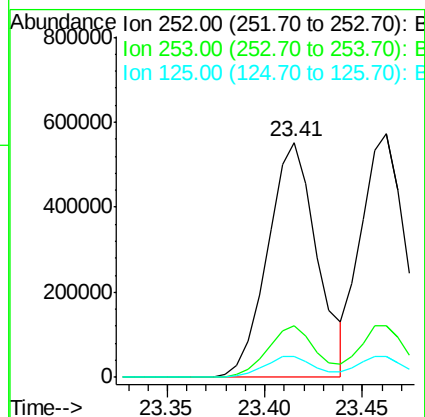
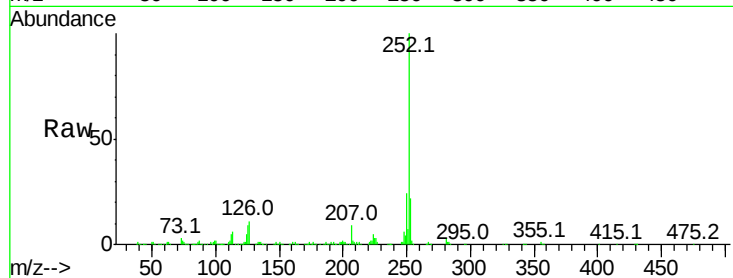
ClientSampleId :

HD-02-071018MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	8.7	9.9	14.9#

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#88

Benzo(k)fluoranthene

Concen: 46.877 ng

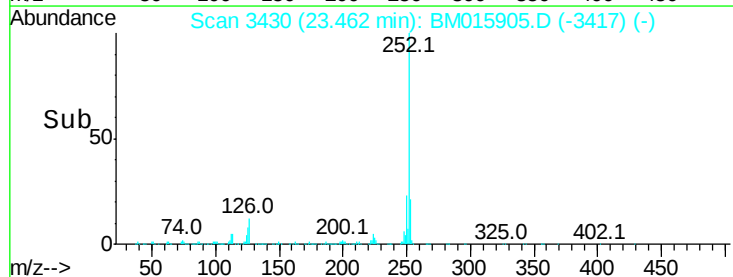
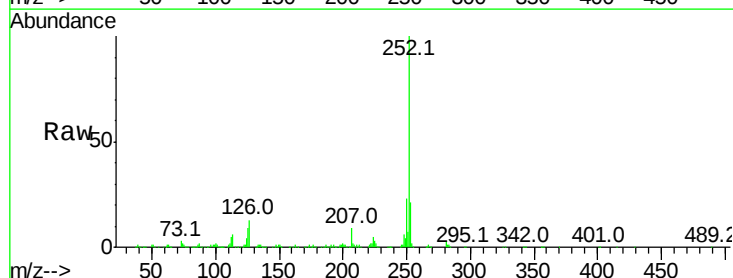
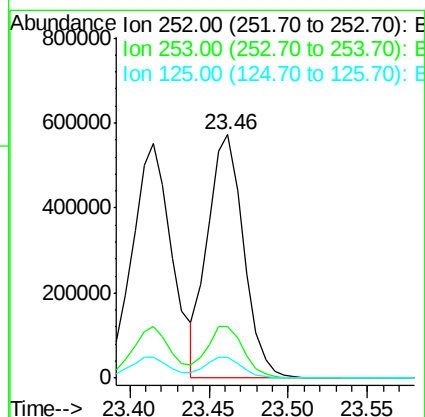
RT: 23.46 min Scan# 3430

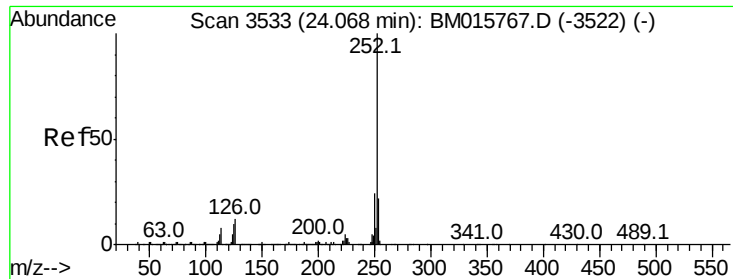
Delta R.T. -0.02 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.2	25.8
125	8.7	8.1	12.1





#89

Benzo(a)pyrene

Concen: 51.877 ng

RT: 24.04 min Scan# 3528

Delta R.T. -0.03 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Instrument :

BNA_M

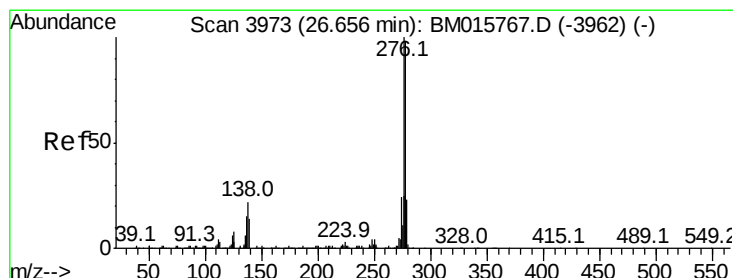
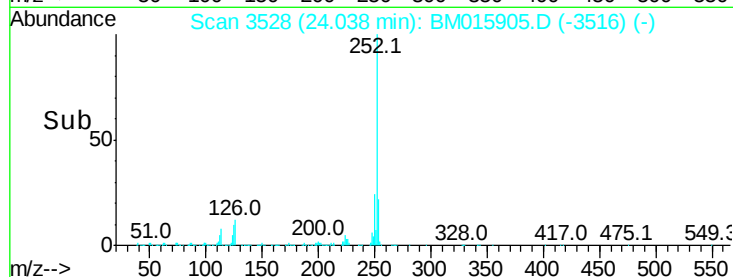
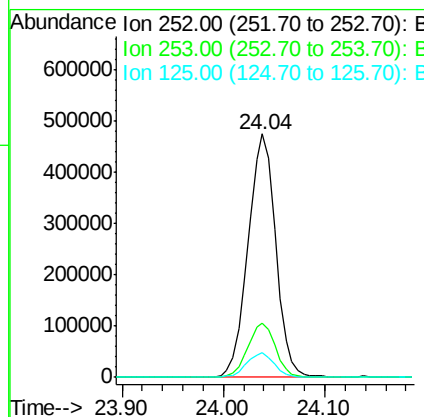
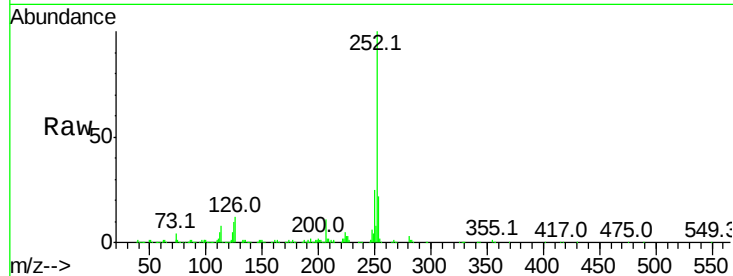
ClientSampleId :

HD-02-071018MSD

Tot Ion:	252	Resp:	903627
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.6	26.4
125	9.9	7.4	11.2

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#90

Dibenzo(a,h)anthracene

Concen: 60.982 ng

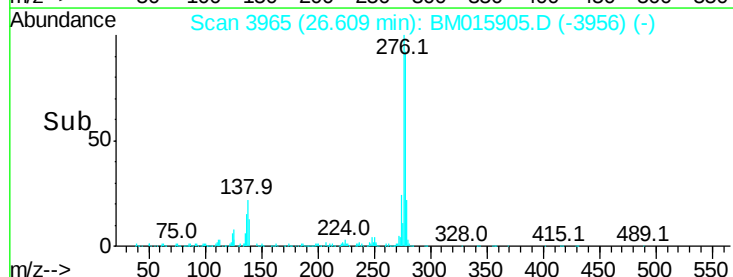
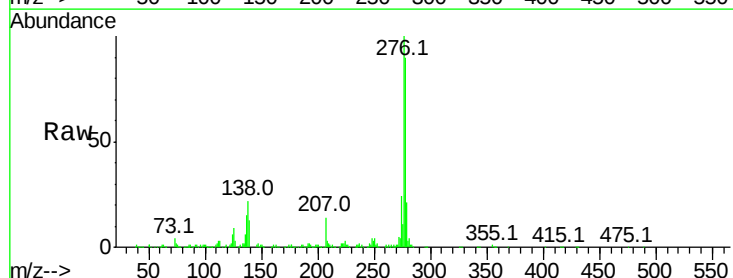
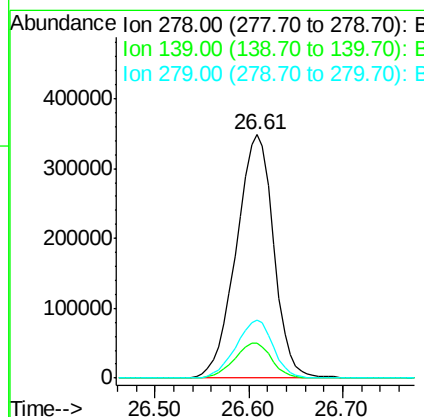
RT: 26.61 min Scan# 3965

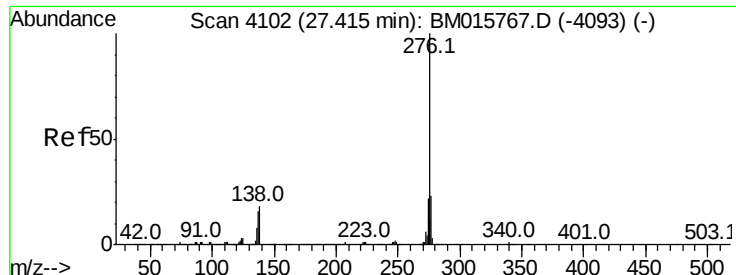
Delta R.T. -0.05 min

Lab File: BM015905.D

Acq: 12 Jul 2018 09:04

Tgt Ion:	278	Resp:	955723
Ion Ratio	Lower	Upper	
278	100		
139	14.2	13.4	20.0
279	23.8	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 65.883 ng
 RT: 27.36 min Scan# 4093
 Delta R.T. -0.05 min
 Lab File: BM015905.D
 Acq: 12 Jul 2018 09:04

Instrument :
 BNA_M
 ClientSampleId :
 HD-02-071018MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.5	27.7
138	20.0	19.0	28.6

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