

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022218\
 Data File : BF103173.D
 Acq On : 22 Feb 2018 20:08
 Operator : SJ/JU
 Sample : J1396-02MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 2

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118MSD

Manual Integrations
 APPROVED

Sohil
 2/23/2018 10:20:49 AM

Quant Time: Feb 23 04:12:46 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 22 14:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	427115	40.00	ng	0.00
21) Naphthalene-d8	8.16	136	1785421	40.00	ng	0.00
38) Acenaphthene-d10	9.92	164	754541	40.00	ng	0.00
63) Phenanthrene-d10	11.40	188	1094348	40.00	ng	0.00
75) Chrysene-d12	14.06	240	696537	40.00	ng	0.00
86) Perylene-d12	15.55	264	689884	40.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	1148806	81.36	ng	0.03
7) Phenol-d6	6.52	99	1283548	74.29	ng	0.01
23) Nitrobenzene-d5	7.44	82	996957	63.78	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	258924	81.08	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1501033	56.74	ng	0.00
78) Terphenyl-d14	12.99	244	1003376	69.26	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.85	88	212675	28.517	ng	89
3) Pyridine	3.56	79	473489	23.782	ng	95
4) n-Nitrosodimethylamine	3.51	42	282603	35.195	ng	97
6) Aniline	6.54	93	164975	6.616	ng	# 85
8) 2-Chlorophenol	6.66	128	496380	33.840	ng	94
9) Benzaldehyde	6.43	77	312324	24.141	ng	99
10) Phenol	6.53	94	535210	26.683	ng	97
11) bis(2-Chloroethyl)ether	6.61	93	523256	34.371	ng	92
12) 1,3-Dichlorobenzene	6.82	146	530006	31.618	ng	99
13) 1,4-Dichlorobenzene	6.89	146	525957	31.296	ng	98
14) 1,2-Dichlorobenzene	7.05	146	493740	31.861	ng	99
15) Benzyl Alcohol	7.02	79	423342	32.515	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.15	45	862117	32.978	ng	96
17) 2-Methylphenol	7.13	107	428966	32.180	ng	98
18) Hexachloroethane	7.38	117	178707	29.210	ng	94
19) n-Nitroso-di-n-propylamine	7.29	70	342691	31.868	ng	98
20) 3+4-Methylphenols	7.28	107	483628	29.763	ng	# 60
22) Acetophenone	7.28	105	671420	32.222	ng	# 89
24) Nitrobenzene	7.46	77	573135	33.301	ng	97
25) Isophorone	7.70	82	1056009	34.300	ng	100
26) 2-Nitrophenol	7.77	139	279461	34.492	ng	97
27) 2,4-Dimethylphenol	7.81	122	480366	38.788	ng	99
28) bis(2-Chloroethoxy)methane	7.90	93	660974	36.516	ng	99
29) 2,4-Dichlorophenol	8.02	162	420849	35.494	ng	99
30) 1,2,4-Trichlorobenzene	8.10	180	414715	32.845	ng	99
31) Naphthalene	8.18	128	1415390	32.385	ng	99
32) Benzoic acid	7.94	122	244939	36.646	ng	97
33) 4-Chloroaniline	8.23	127	74196	3.934	ng	97
34) Hexachlorobutadiene	8.29	225	210008	31.940	ng	99
35) Caprolactam	8.60	113	111563m	26.772	ng	
36) 4-Chloro-3-methylphenol	8.72	107	461269	34.491	ng	99
37) 2-Methylnaphthalene	8.87	142	948181	33.569	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.03	216	360979	35.000	ng	99
40) Hexachlorocyclopentadiene	9.02	237	69872	34.849	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.15	196	259846	37.442	ng	100
43) 2,4,5-Trichlorophenol	9.20	196	264359	33.120	ng	95
45) 1,1'-Biphenyl	9.33	154	1070978	33.877	ng	99
46) 2-Chloronaphthalene	9.36	162	849560	33.968	ng	98
47) 2-Nitroaniline	9.46	65	327623	35.364	ng	94
48) Acenaphthylene	9.78	152	1251971	32.535	ng	99
49) Dimethylphthalate	9.63	163	1051827	34.754	ng	100
50) 2,6-Dinitrotoluene	9.70	165	219493	34.559	ng	97
51) Acenaphthene	9.95	154	717269	31.965	ng	99
52) 3-Nitroaniline	9.87	138	85356	10.593	ng	97
53) 2,4-Dinitrophenol	9.99	184	59441	42.036	ng	# 20
54) Dibenzofuran	10.12	168	1071431	34.784	ng	97
55) 4-Nitrophenol	10.04	139	273072	54.679	ng	91
56) 2,4-Dinitrotoluene	10.11	165	270674	33.697	ng	97
57) Fluorene	10.46	166	803912	30.637	ng	97
58) 2,3,4,6-Tetrachlorophenol	10.24	232	183619	34.245	ng	99
59) Diethylphthalate	10.33	149	988433	34.147	ng	98
60) 4-Chlorophenyl-phenylether	10.45	204	365996	32.892	ng	100
61) 4-Nitroaniline	10.49	138	221956	27.577	ng	94
62) Azobenzene	10.62	77	964637	32.740	ng	97
64) 4,6-Dinitro-2-methylphenol	10.52	198	44742	21.945	ng	90
65) n-Nitrosodiphenylamine	10.57	169	744002	39.052	ng	99
66) 4-Bromophenyl-phenylether	10.95	248	218791	38.385	ng	92
67) Hexachlorobenzene	11.02	284	221900	35.867	ng	92
68) Atrazine	11.10	200	207289	36.199	ng	98
69) Pentachlorophenol	11.21	266	181393	60.639	ng	96
70) Phenanthrene	11.43	178	1009996	33.541	ng	99
71) Anthracene	11.48	178	1055199	34.172	ng	100
72) Carbazole	11.63	167	975457	31.722	ng	99
73) Di-n-butylphthalate	11.96	149	1359662	35.337	ng	99
74) Fluoranthene	12.62	202	896719	29.634	ng	99
76) Benzidine	12.74	184	191122	14.679	ng	96
77) Pyrene	12.85	202	889796	32.770	ng	100
79) Butylbenzylphthalate	13.46	149	471225	32.847	ng	99
80) Benzo(a)anthracene	14.04	228	758107	33.549	ng	99
81) 3,3'-Dichlorobenzidine	14.00	252	195042	24.186	ng	96
82) Chrysene	14.08	228	736061	33.547	ng	98
83) Bis(2-ethylhexyl)phthalate	14.01	149	636913	32.899	ng	# 99
84) Di-n-octyl phthalate	14.63	149	1080471	34.543	ng	99
85) Indeno(1,2,3-cd)pyrene	17.06	276	617931	35.574	ng	98
87) Benzo(b)fluoranthene	15.11	252	721559	31.815	ng	97
88) Benzo(k)fluoranthene	15.14	252	731635	34.258	ng	98
89) Benzo(a)pyrene	15.49	252	674538	33.306	ng	98
90) Dibenzo(a,h)anthracene	17.07	278	517624	33.076	ng	100
91) Benzo(g,h,i)perylene	17.52	276	500694	32.736	ng	99

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

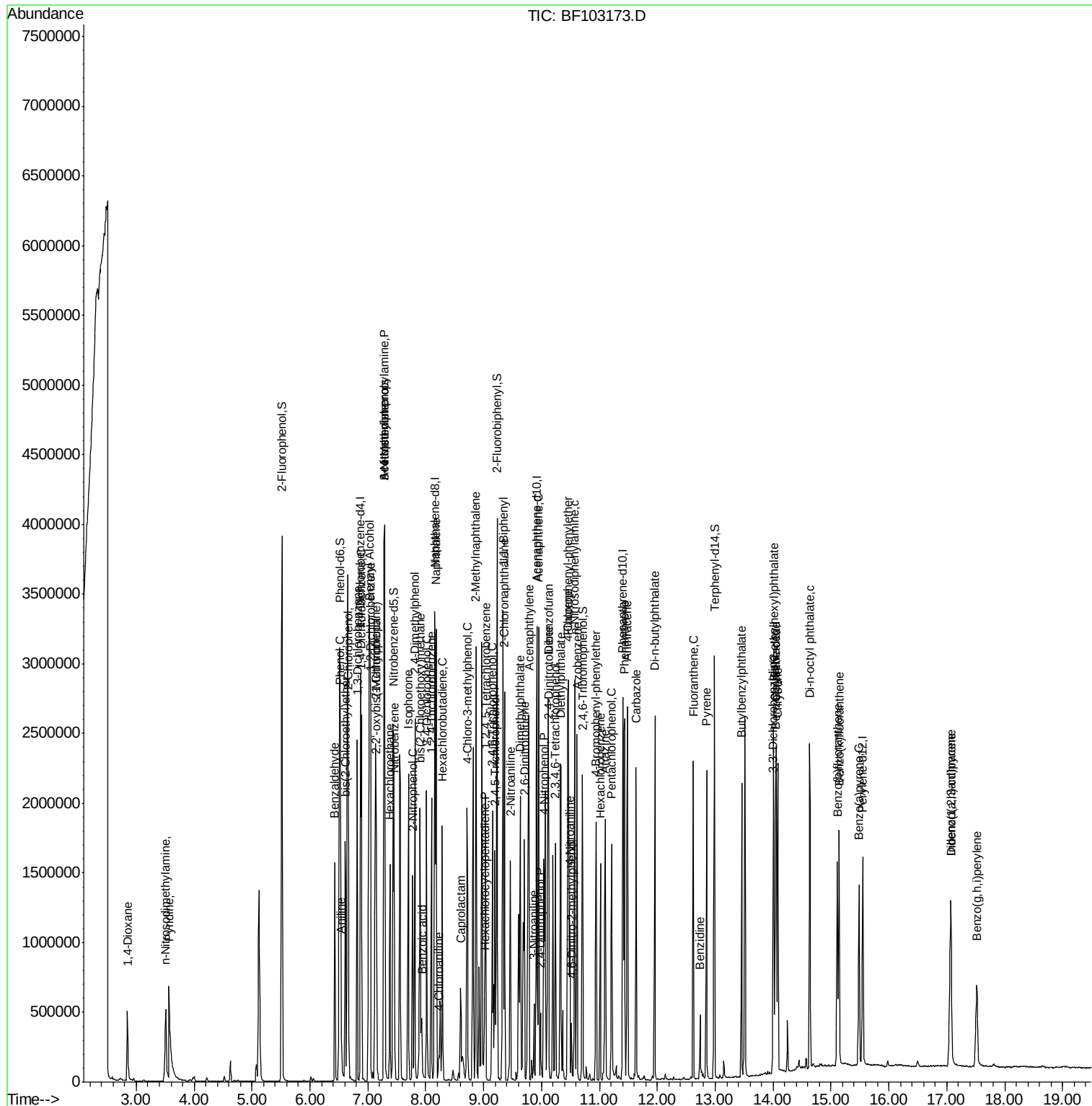
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022218\
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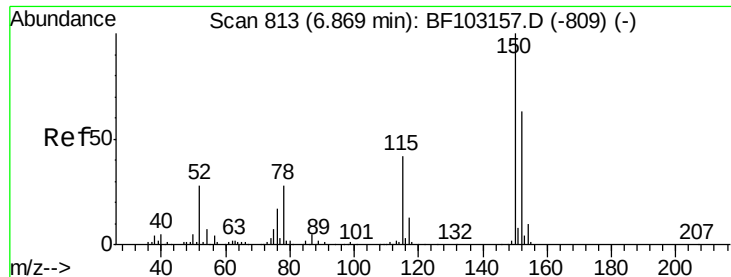
Instrument :
BNA_F
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#1

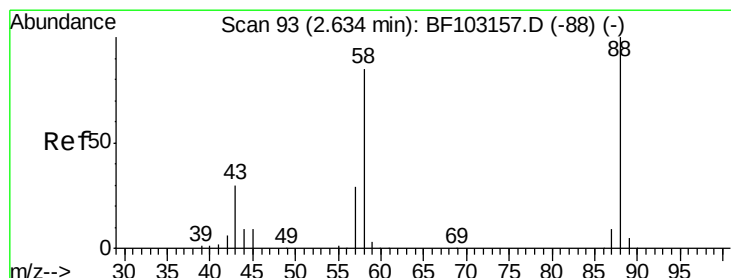
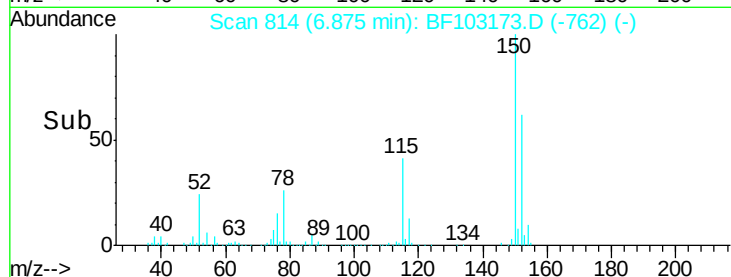
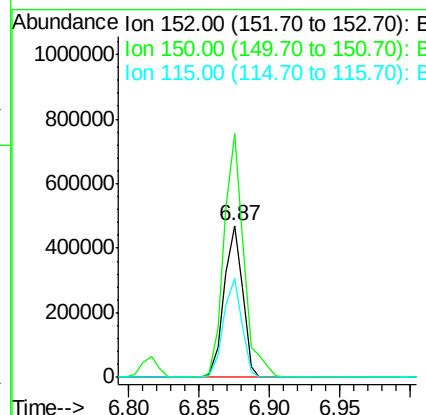
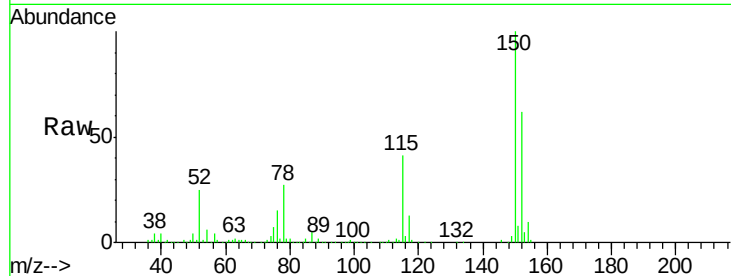
1,4-Dichlorobenzene-d4
Concen: 40.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Instrument :
BNA_F
ClientSampleId :
HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	124.6	186.8
115	65.4	50.1	75.1

Manual Integrations
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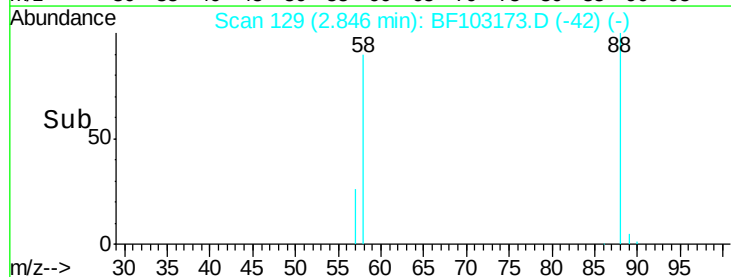
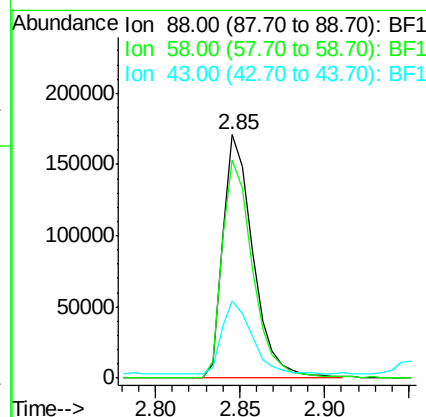
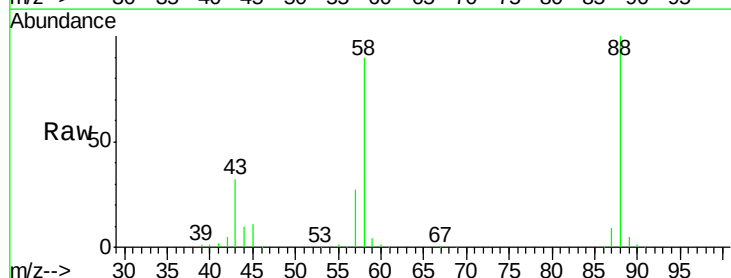
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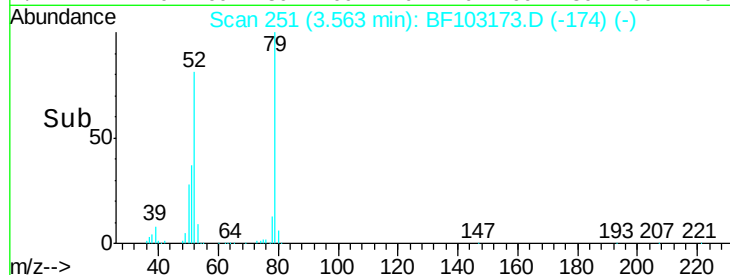
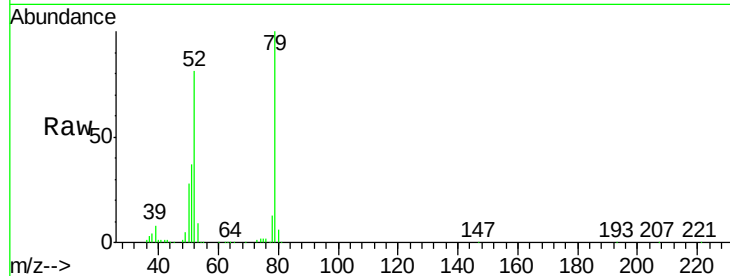
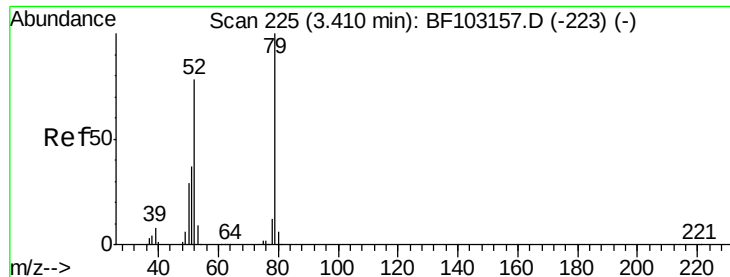


#2

1,4-Dioxane
Concen: 28.517 ng
RT: 2.85 min Scan# 129
Delta R.T. 0.21 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
88	100		
58	91.1	62.6	93.8
43	30.6	24.6	37.0





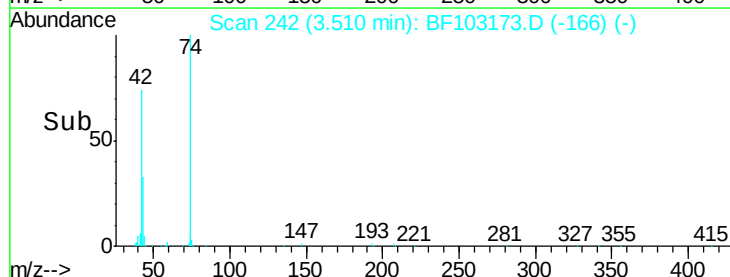
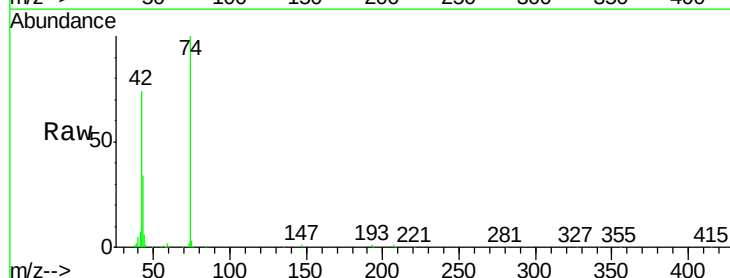
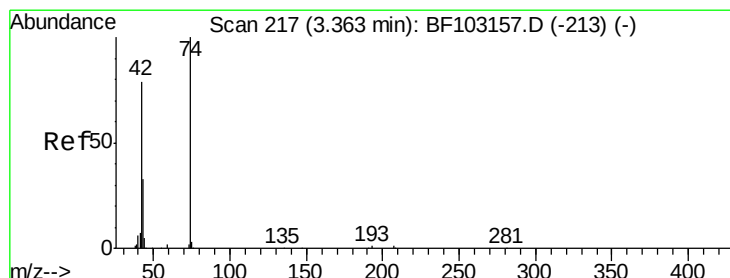
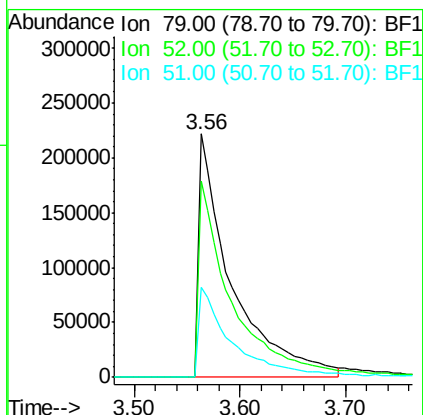
#3
 Pvridine
 Concen: 23.782 ng
 RT: 3.56 min Scan# 251
 Delta R.T. 0.15 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Tot Ion	Ratio	Lower	Upper
79	100		
52	80.7	59.8	89.6
51	37.2	29.8	44.8

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118MSD

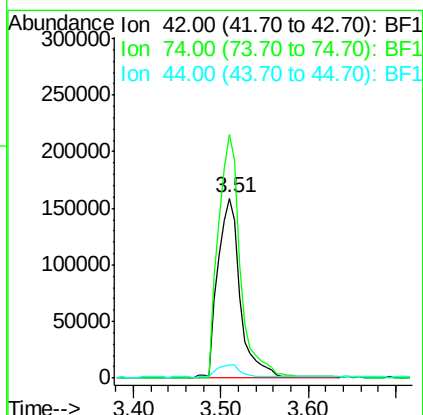
Manual Integrations
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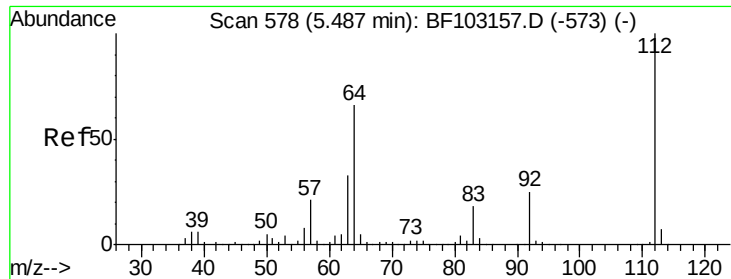
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#4
 n-Nitrosodimethylamine
 Concen: 35.195 ng
 RT: 3.51 min Scan# 242
 Delta R.T. 0.15 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
42	100		
74	135.2	104.9	157.3
44	7.5	6.9	10.3





#5

2-Fluorophenol

Concen: 81.359 ng

RT: 5.52 min Scan# 583

Delta R.T. 0.03 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

ClientSampleId :

HD-01-022118MSD

Tot Ion: 112 Resp: 1148806

Ion Ratio Lower Upper

112 100

64 64.2 47.9 71.9

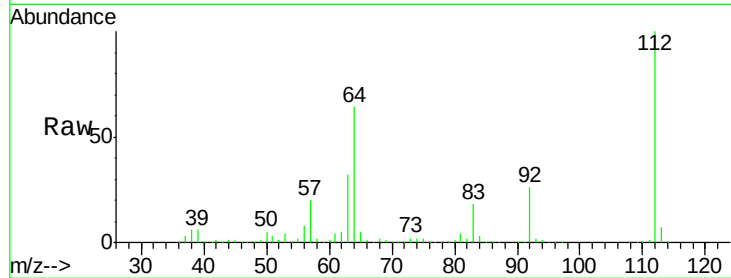
63 32.1 23.7 35.5

Manual Integrations

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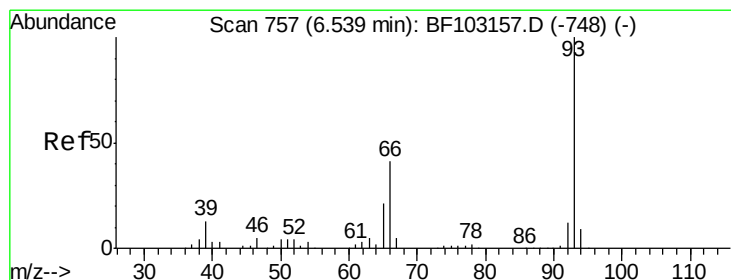
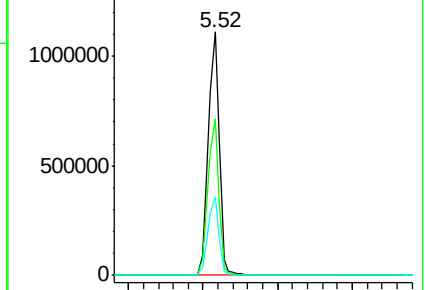
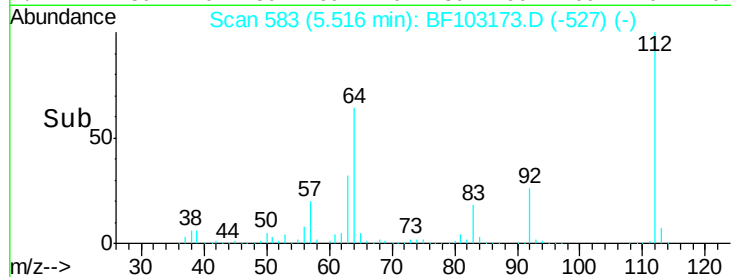
2/23/2018 10:20:49 AM



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 6.616 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.00 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

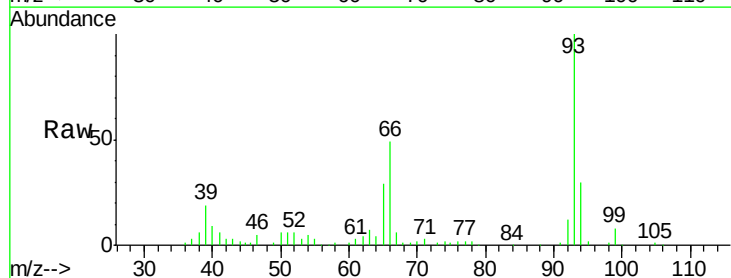
Tgt Ion: 93 Resp: 164975

Ion Ratio Lower Upper

93 100

66 48.8 32.2 48.2#

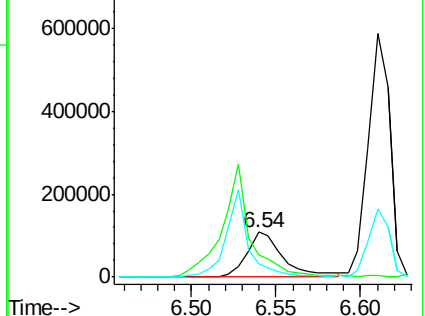
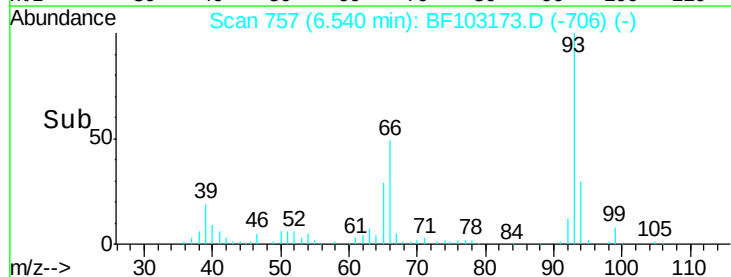
65 28.7 16.4 24.6#

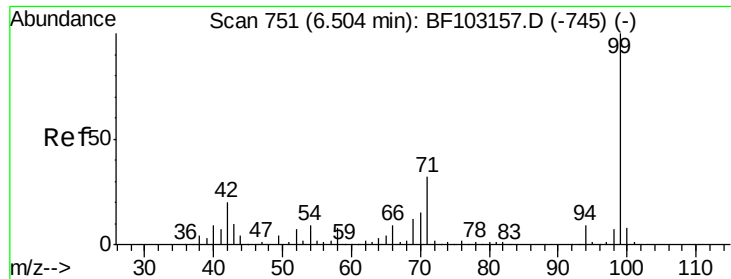


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 74.287 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

ClientSampleId :

HD-01-022118MSD

Tot Ion: 99 Resp: 1283548

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

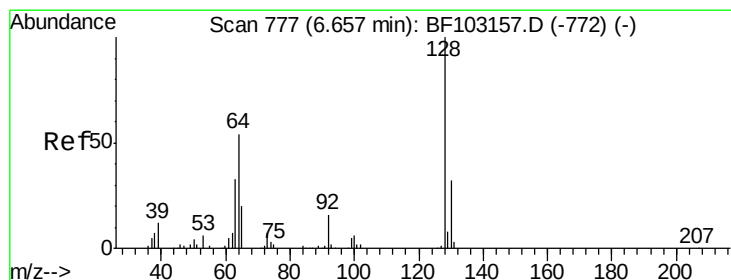
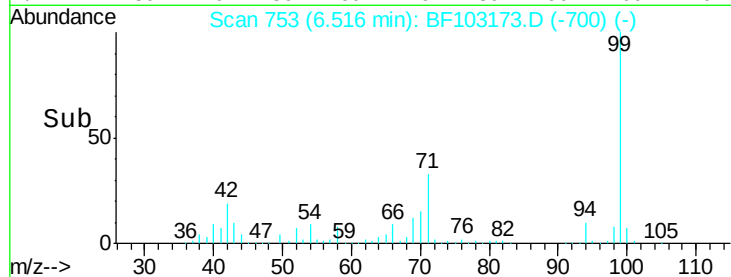
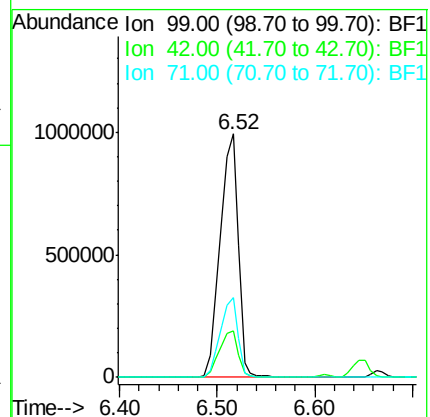
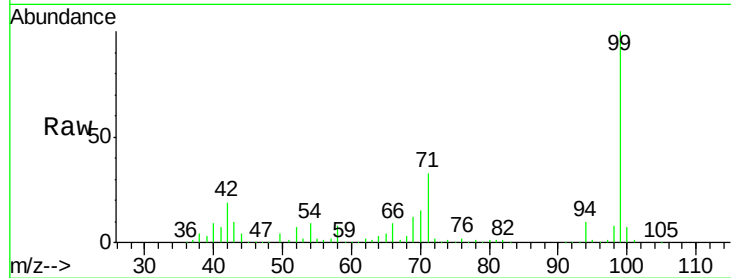
71 32.8 25.4 38.0

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#8

2-Chlorophenol

Concen: 33.840 ng

RT: 6.66 min Scan# 778

Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

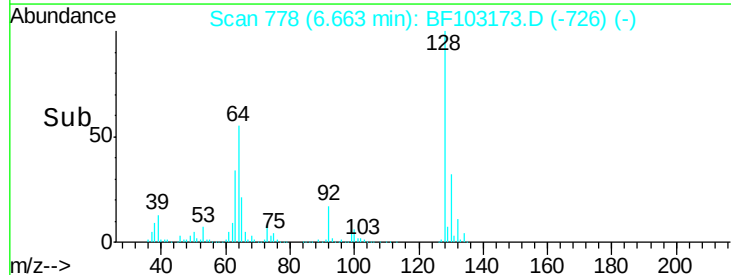
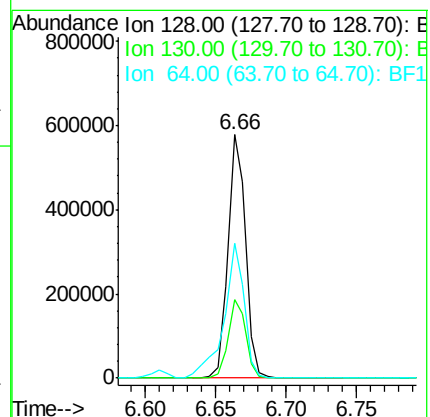
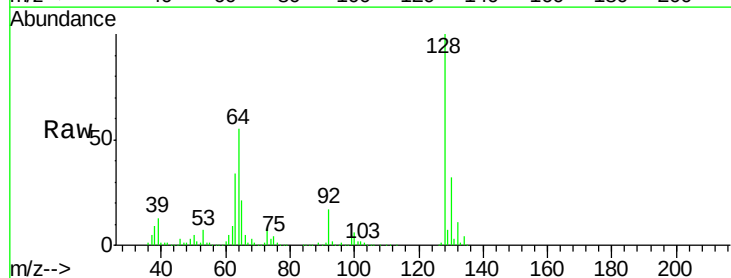
Tgt Ion: 128 Resp: 496380

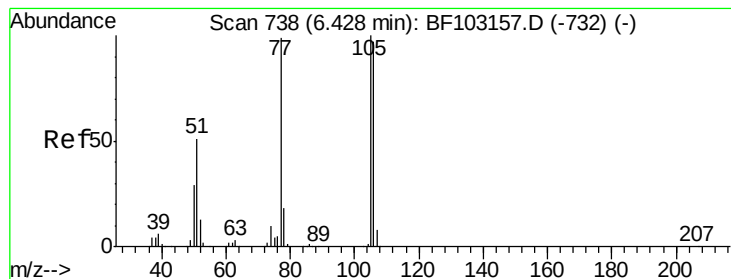
Ion Ratio Lower Upper

128 100

130 32.5 13.0 53.0

64 55.5 29.4 69.4





#9

Benzaldehyde

Concen: 24.141 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

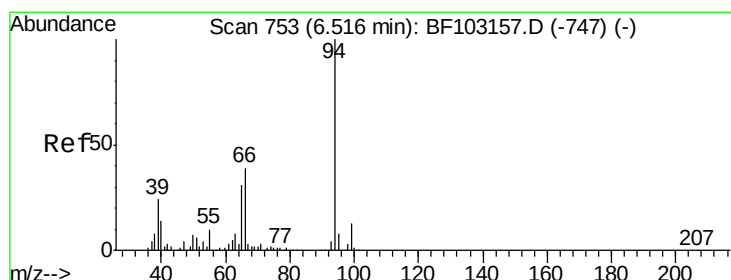
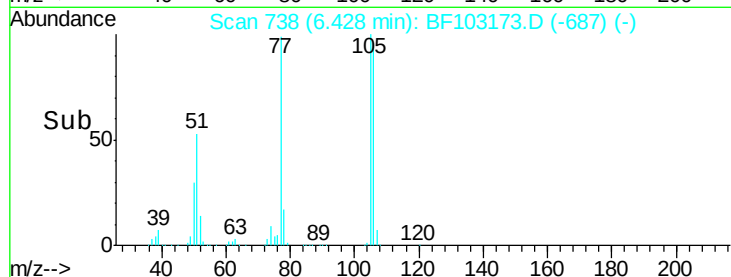
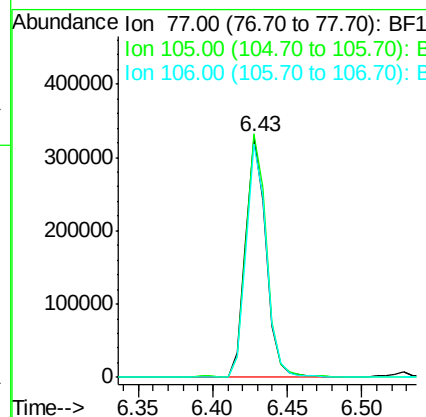
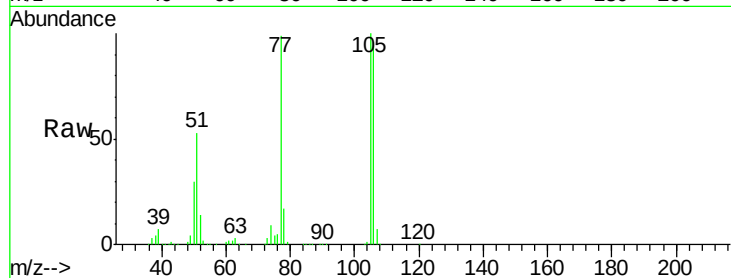
ClientSampleId :

HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	101.3	81.1	121.1
106	97.2	74.5	114.5

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#10

Phenol

Concen: 26.683 ng

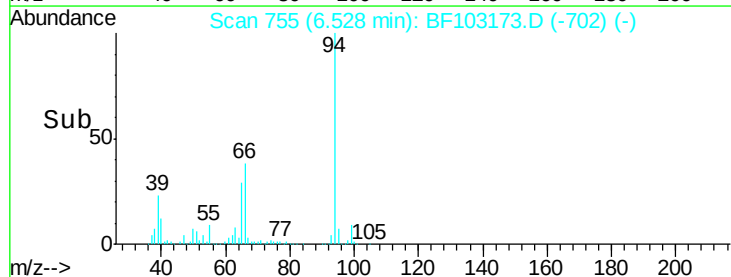
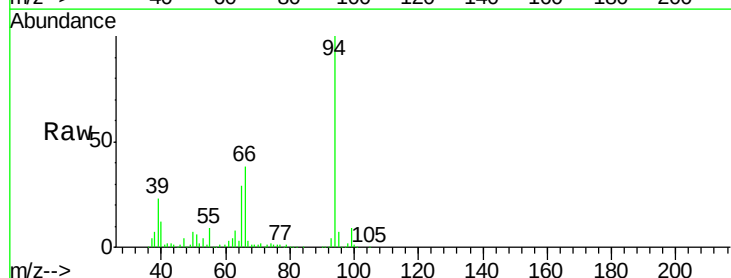
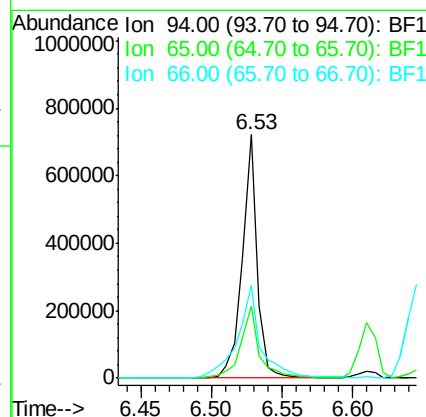
RT: 6.53 min Scan# 755

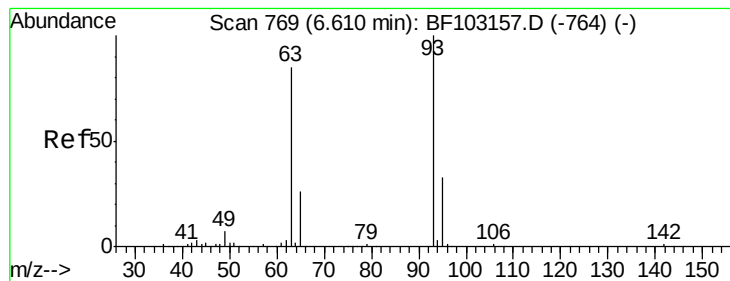
Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.4	7.9	47.9
66	38.0	16.2	56.2





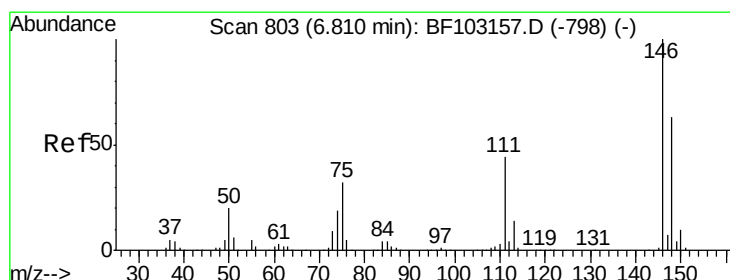
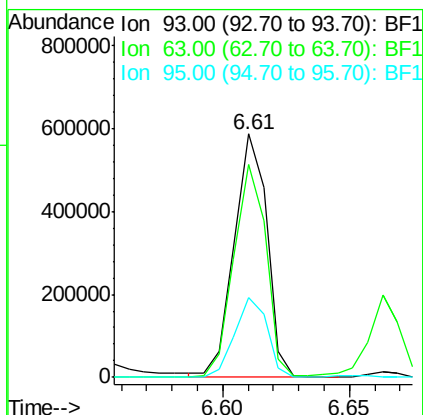
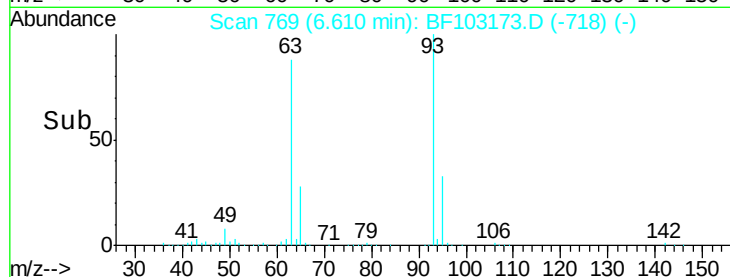
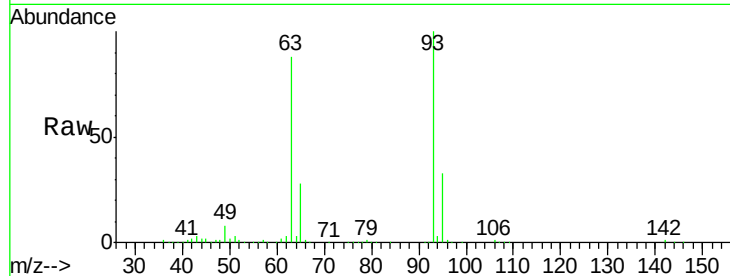
#11
bis(2-Chloroethyl)ether
Concen: 34.371 ng
RT: 6.61 min Scan# 769
Delta R.T. 0.00 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Instrument :
BNA_F
ClientSampleId :
HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	87.6	58.6	98.6
95	32.6	11.8	51.8

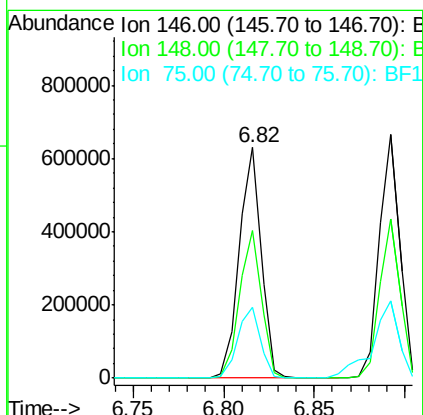
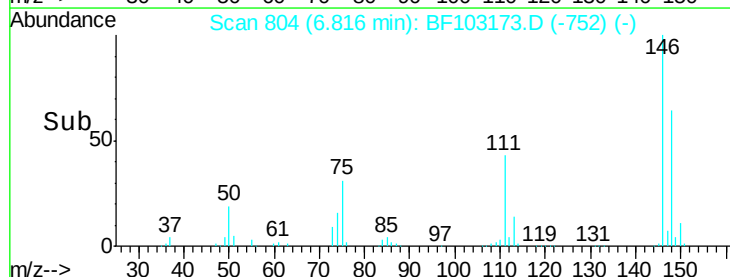
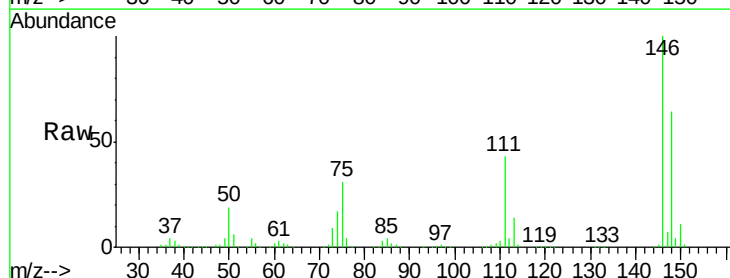
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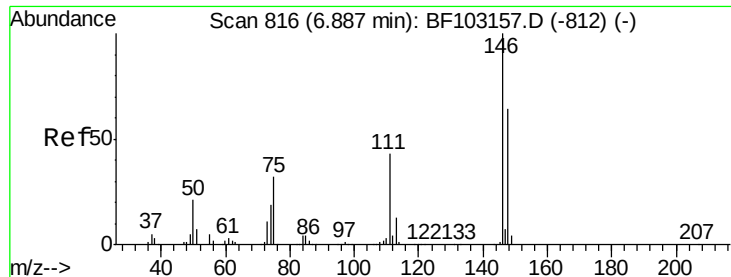
Sohil
2/23/2018 10:20:49 AM



#12
1,3-Dichlorobenzene
Concen: 31.618 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.01 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.8	77.8
75	30.7	24.2	36.4





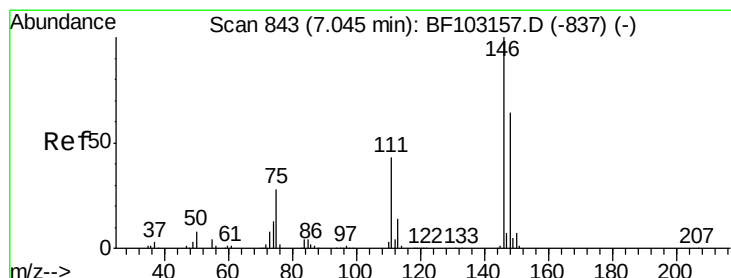
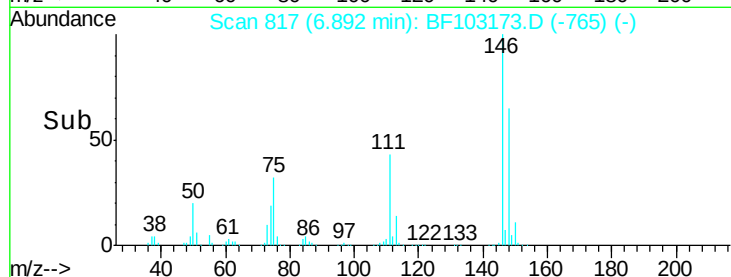
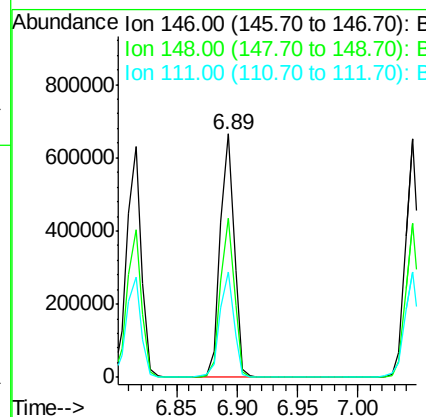
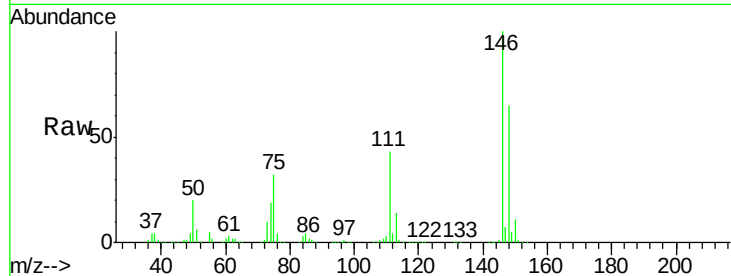
#13
 1,4-Dichlorobenzene
 Concen: 31.296 ng
 RT: 6.89 min Scan# 817
 Delta R.T. 0.01 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.3	50.8	76.2
111	43.2	34.2	51.2

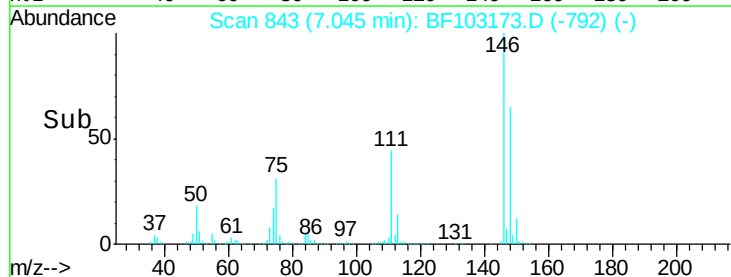
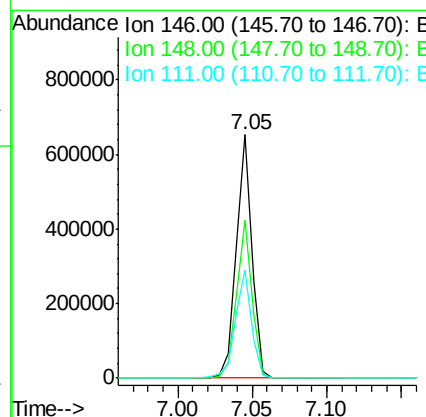
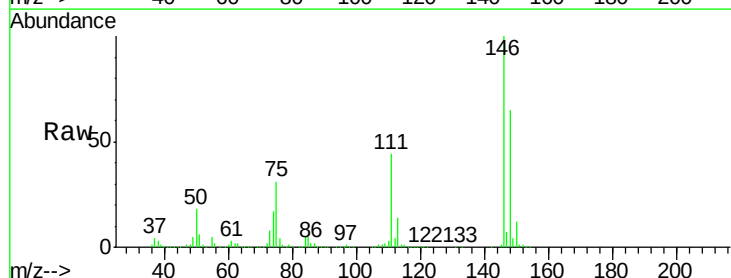
Manual Integrations
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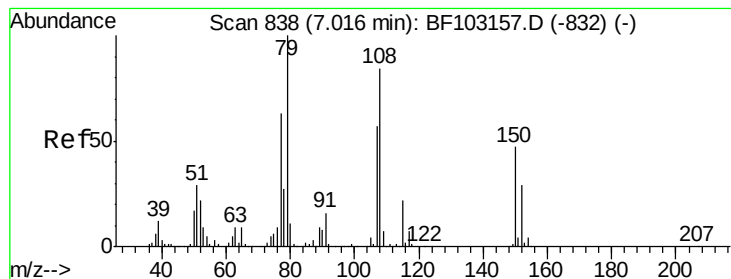
Sohil
 2/23/2018 10:20:49 AM



#14
 1,2-Dichlorobenzene
 Concen: 31.861 ng
 RT: 7.05 min Scan# 843
 Delta R.T. 0.00 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.6	75.8
111	44.3	36.0	54.0





#15

Benzyl Alcohol

Concen: 32.515 ng

RT: 7.02 min Scan# 838

Delta R.T. 0.00 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

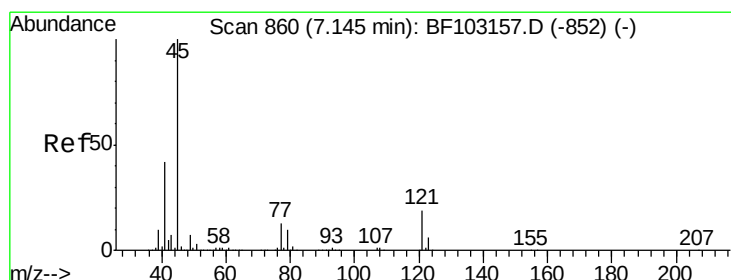
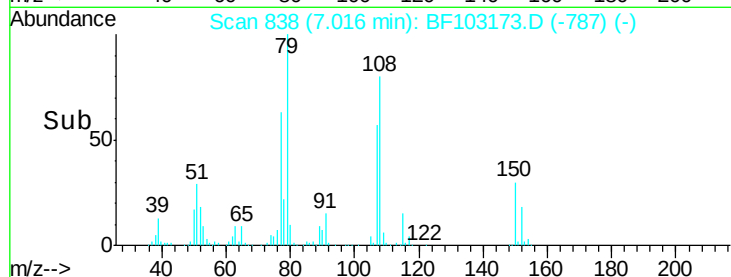
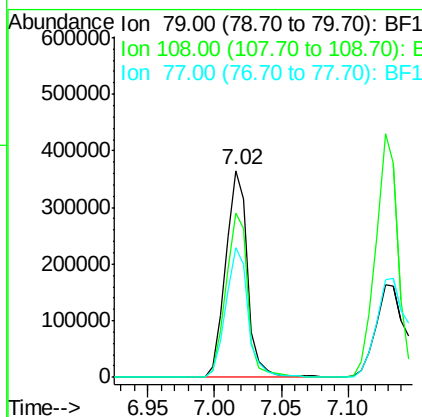
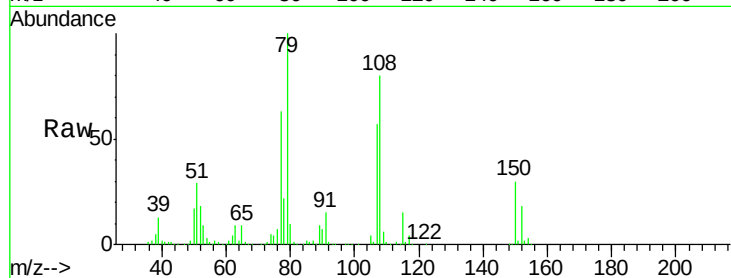
ClientSampleId :

HD-01-022118MSD

Tot Ion:	79	Resp:	423342
Ion Ratio	Lower	Upper	
79	100		
108	79.5	65.1	97.7
77	63.0	50.6	75.8

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 32.978 ng

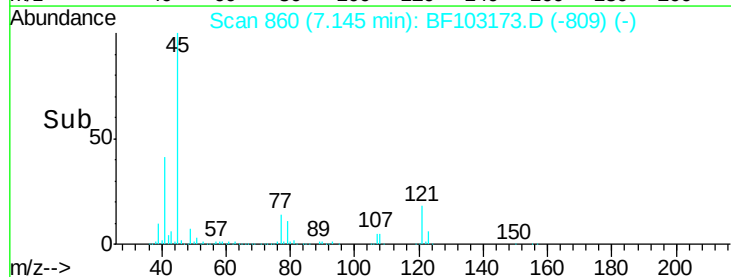
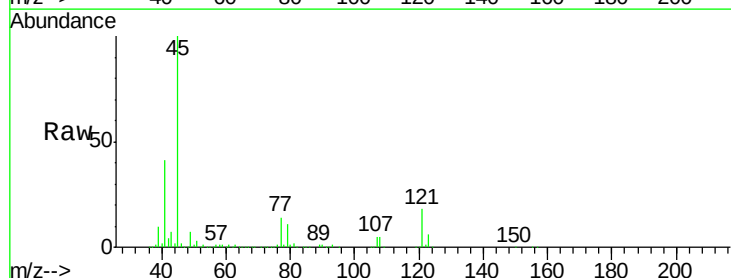
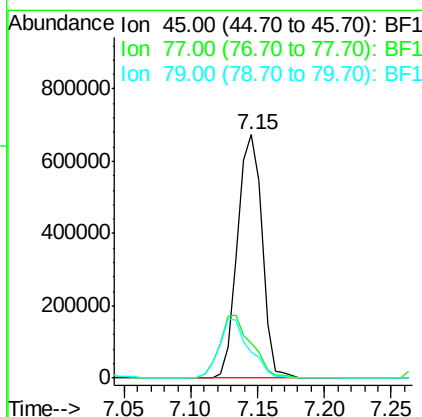
RT: 7.15 min Scan# 860

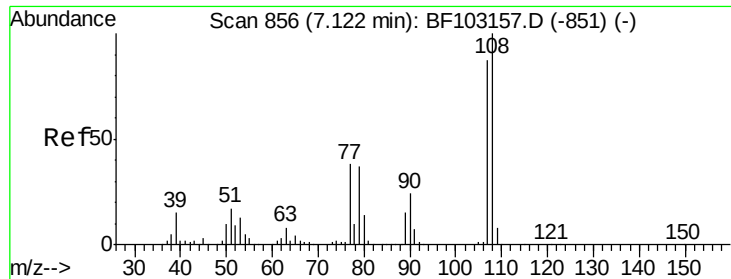
Delta R.T. 0.00 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Tgt Ion:	45	Resp:	862117
Ion Ratio	Lower	Upper	
45	100		
77	14.3	0.0	32.9
79	10.9	0.0	29.6





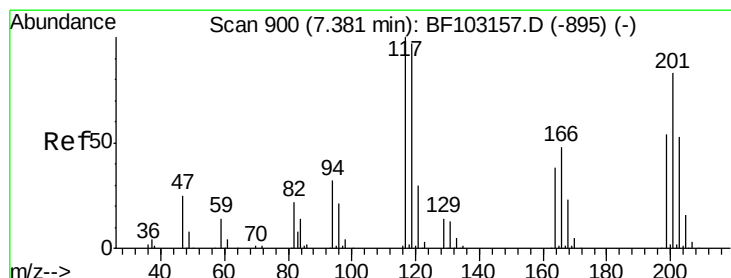
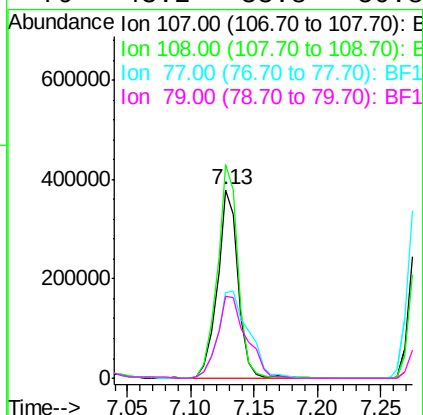
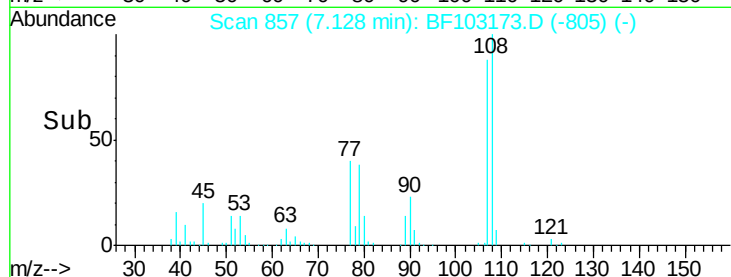
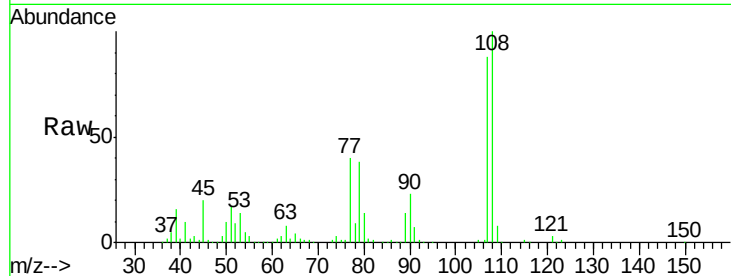
#17
2-Methylphenol
Concen: 32.180 ng
RT: 7.13 min Scan# 857
Delta R.T. 0.01 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Instrument :
BNA_F
ClientSampleId :
HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	113.2	91.7	137.5
77	45.2	33.8	50.8
79	43.2	33.8	50.8

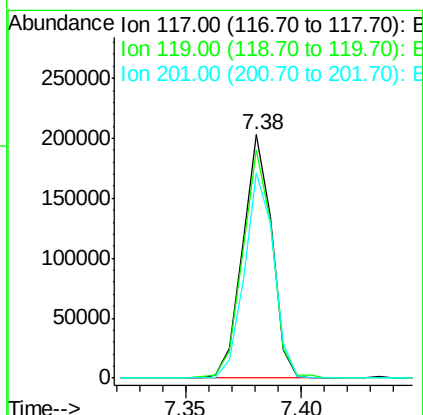
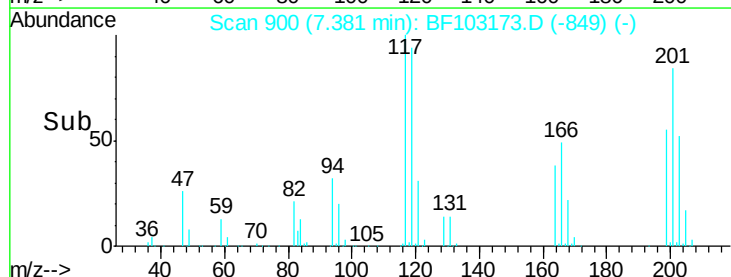
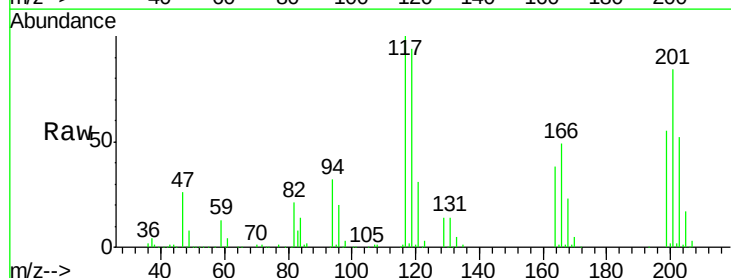
Manual Integrations
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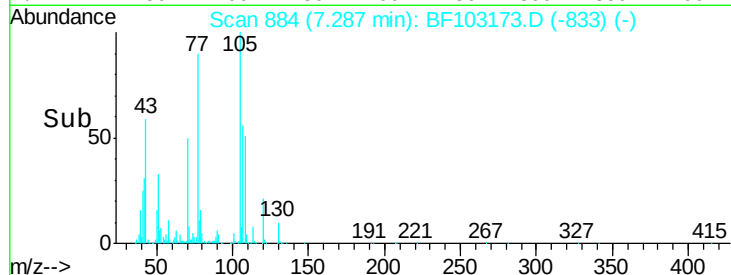
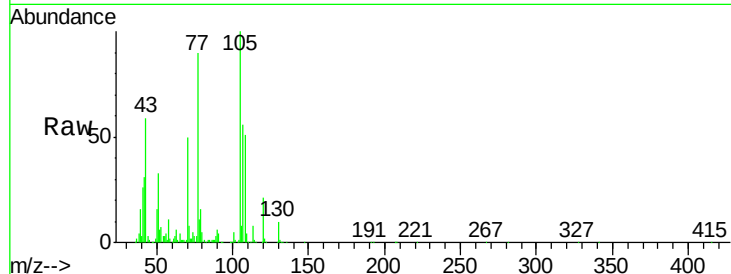
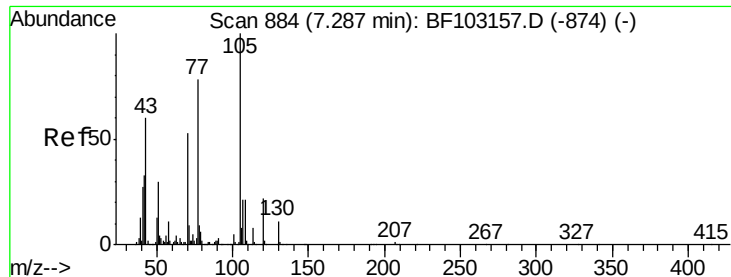
Sohil
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#18
Hexachloroethane
Concen: 29.210 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.00 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.8	113.8
201	84.1	75.7	113.5





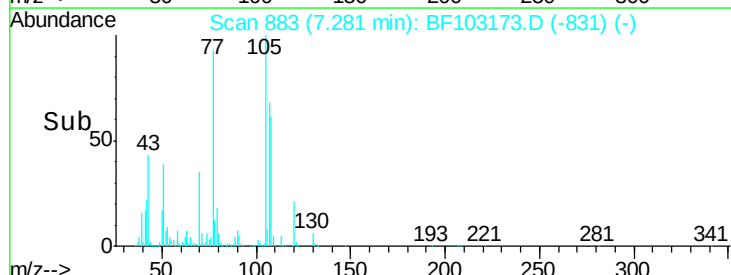
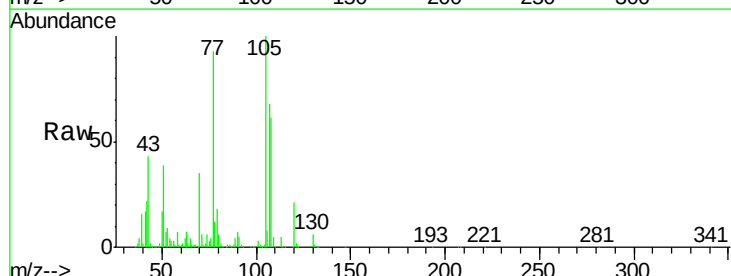
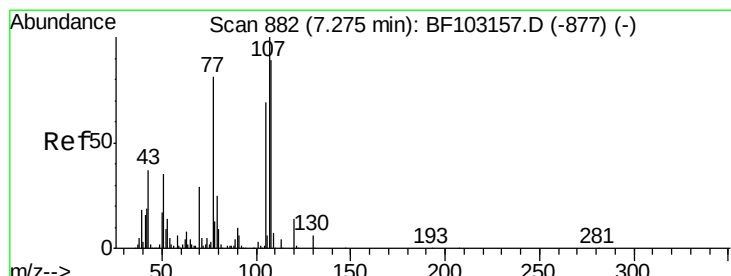
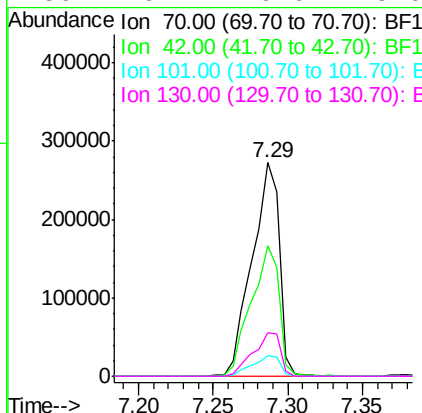
#19
n-Nitroso-di-n-propylamine
Concen: 31.868 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Instrument :
BNA_F
ClientSampleId :
HD-01-022118MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	61.4	47.5	71.3	
101	9.5	7.4	11.2	
130	20.7	16.6	25.0	

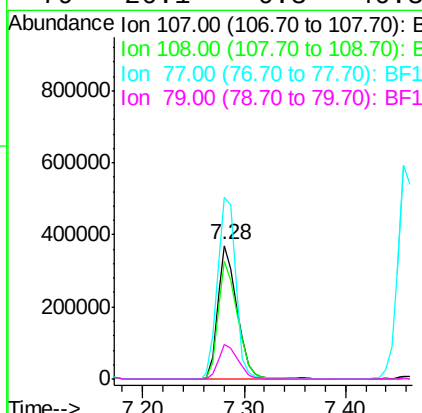
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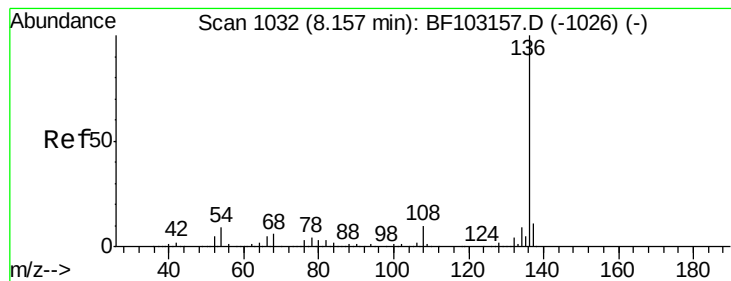
Sohil
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#20
3+4-Methylphenols
Concen: 29.763 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.01 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	88.7	68.2	108.2	
77	136.8	26.7	66.7#	
79	26.1	6.3	46.3	





#21

Naphthalene-d8

Concen: 40.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

ClientSampleId :

HD-01-022118MSD

Tot Ion:136 Resp: 1785421

Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 9.9 6.6 9.8#

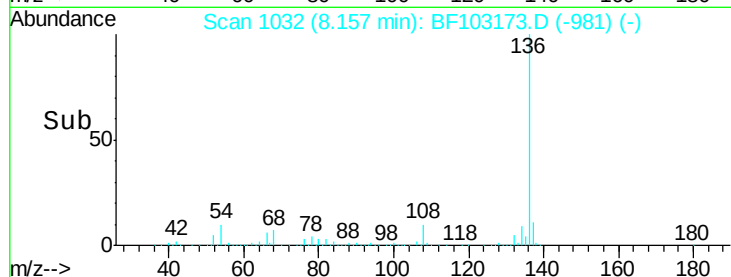
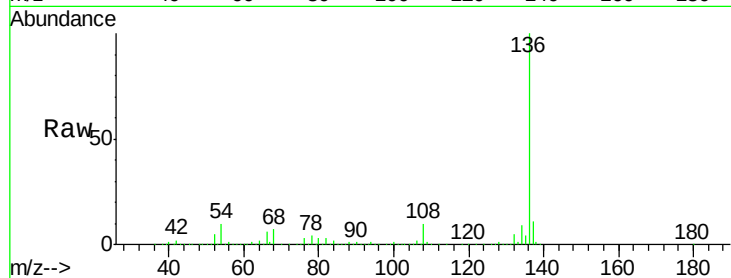
68 6.6 5.0 7.4

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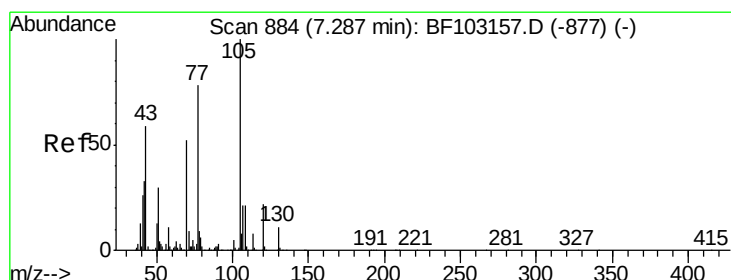
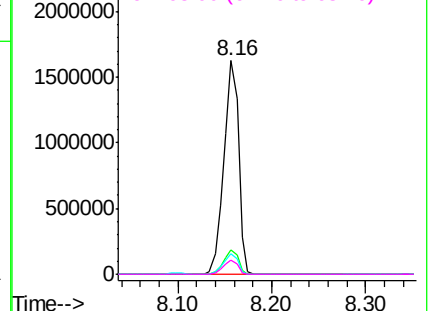


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 32.222 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Tgt Ion:105 Resp: 671420

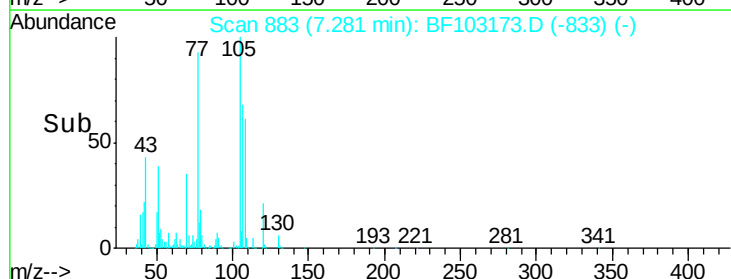
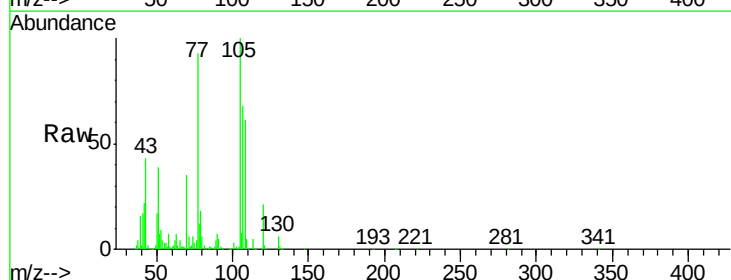
Ion Ratio Lower Upper

105 100

71 5.8 4.4 6.6

51 39.0 22.3 33.5#

120 21.2 16.9 25.3

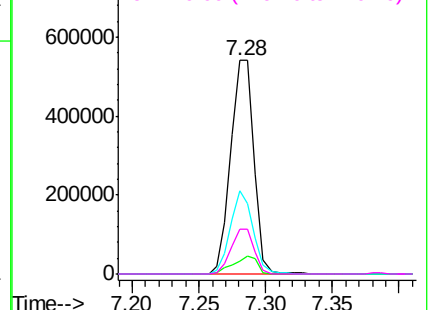


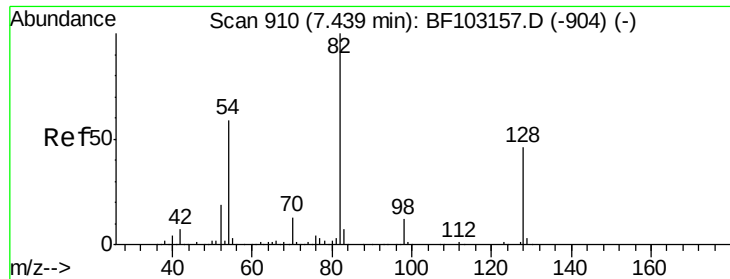
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





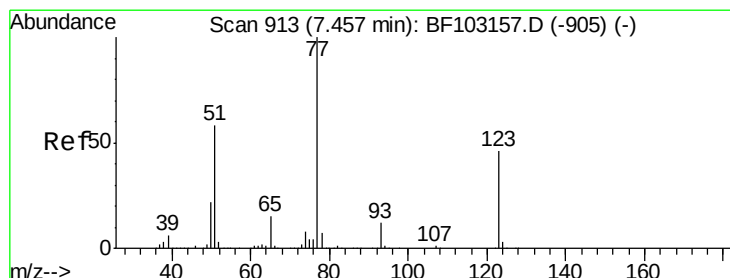
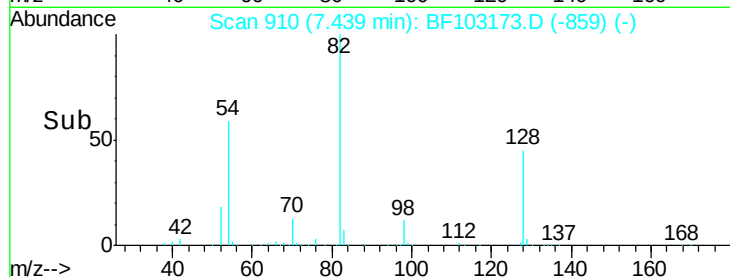
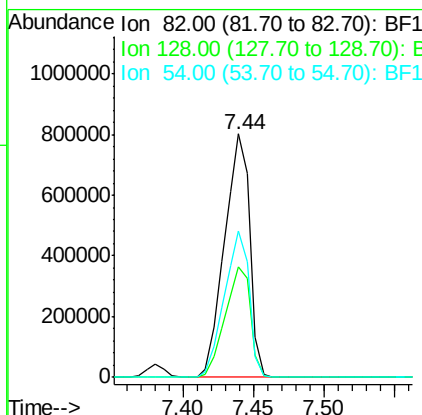
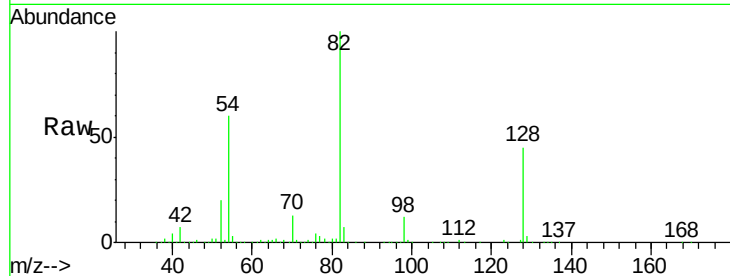
#23
Nitrobenzene-d5
Concen: 63.777 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Instrument :
BNA_F
ClientSampleId :
HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.1	54.1
54	59.8	41.4	62.2

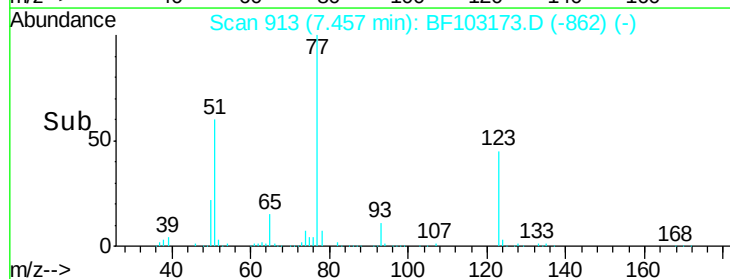
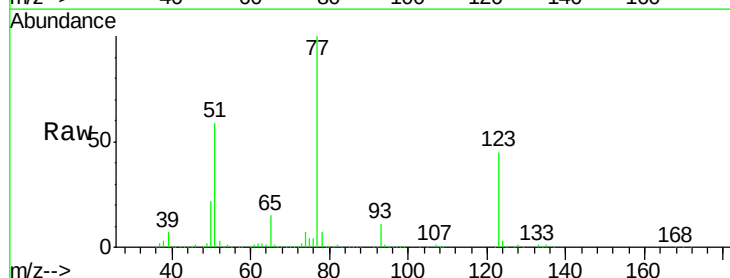
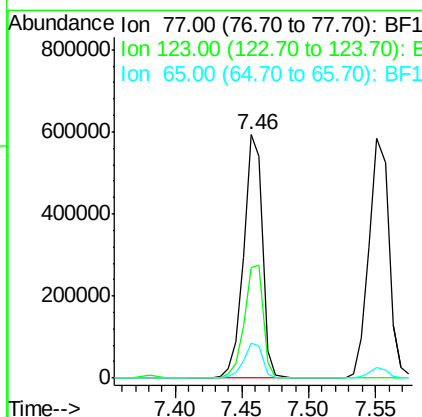
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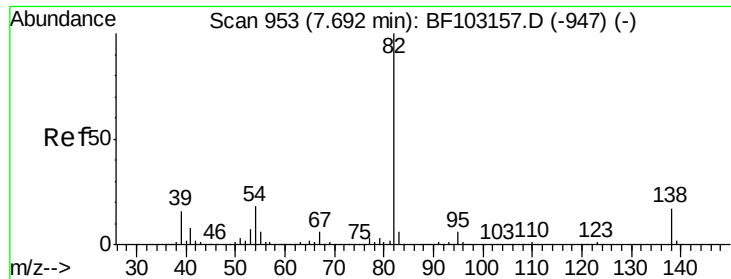
Sohil
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#24
Nitrobenzene
Concen: 33.301 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.00 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
77	100		
123	45.3	37.9	56.9
65	14.6	11.0	16.4





#25

Isophorone

Concen: 34.300 ng

RT: 7.70 min Scan# 954

Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

ClientSampleId :

HD-01-022118MSD

Tot Ion: 82 Resp: 1056009

Ion Ratio Lower Upper

82 100

95 6.6 5.2 7.8

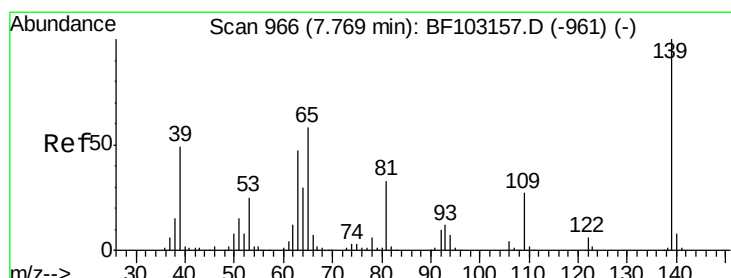
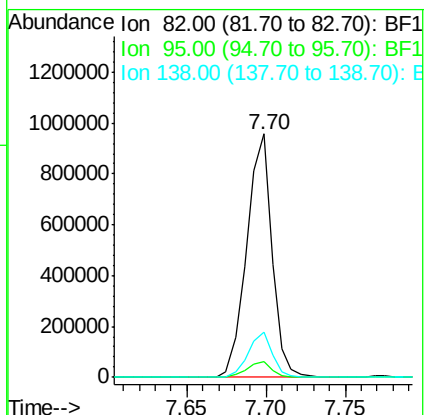
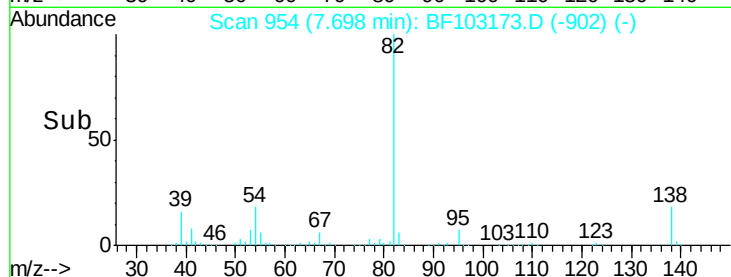
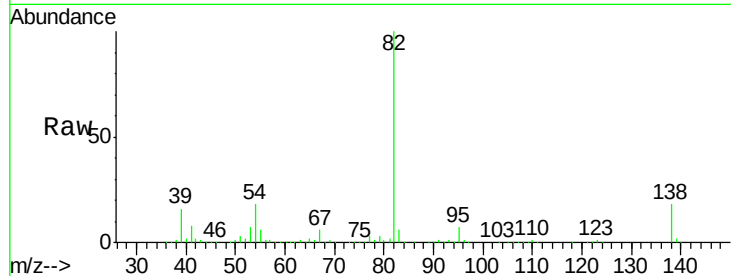
138 18.4 14.9 22.3

Manual Integrations

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#26

2-Nitrophenol

Concen: 34.492 ng

RT: 7.77 min Scan# 967

Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

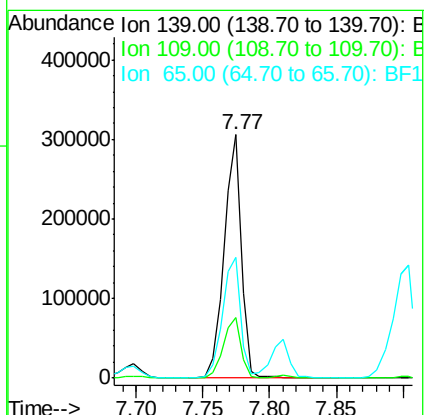
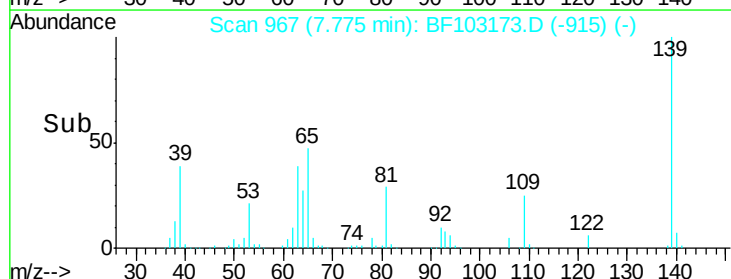
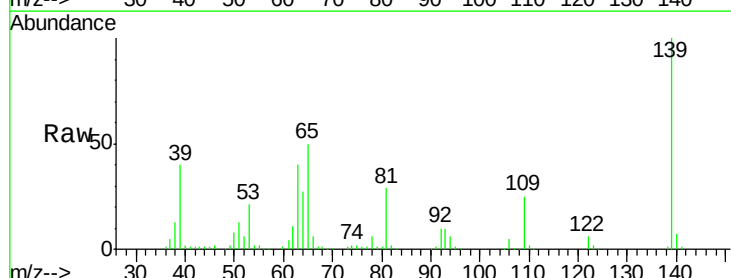
Tgt Ion: 139 Resp: 279461

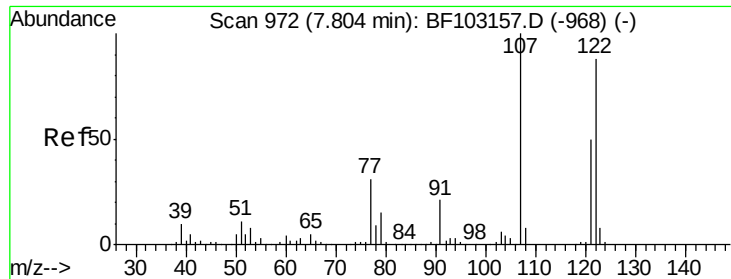
Ion Ratio Lower Upper

139 100

109 25.0 22.7 34.1

65 49.6 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 38.788 ng

RT: 7.81 min Scan# 973

Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

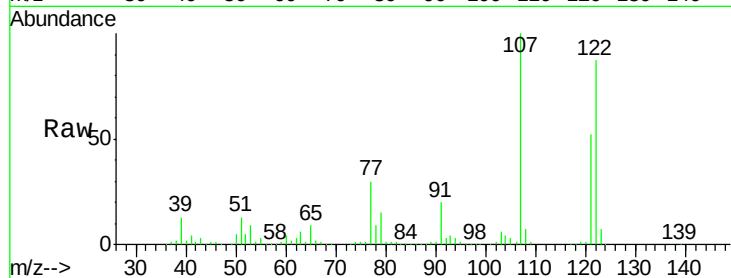
ClientSampleId :

HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	114.7	91.2	136.8
121	59.7	47.2	70.8

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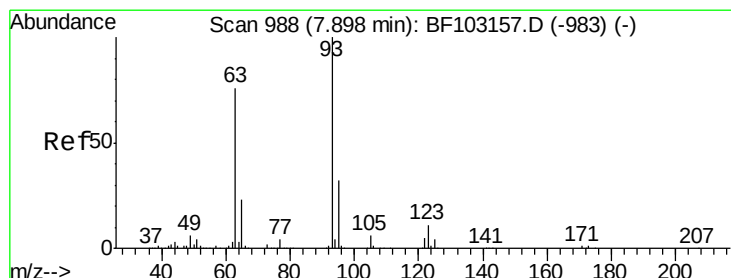
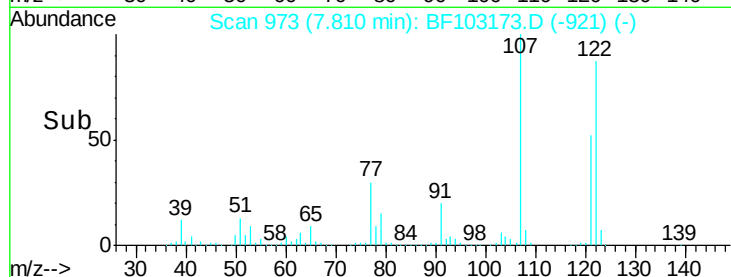
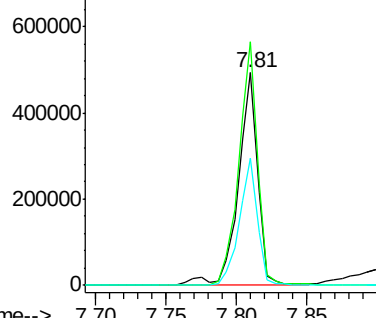
Sohil
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Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 36.516 ng

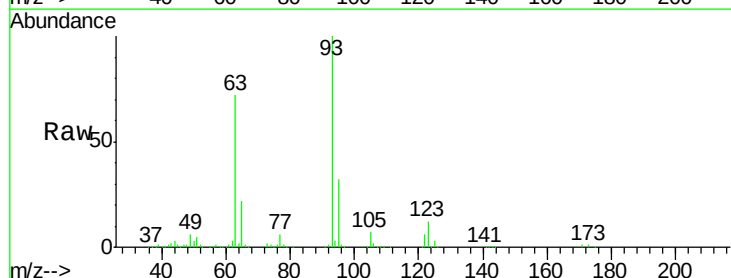
RT: 7.90 min Scan# 989

Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

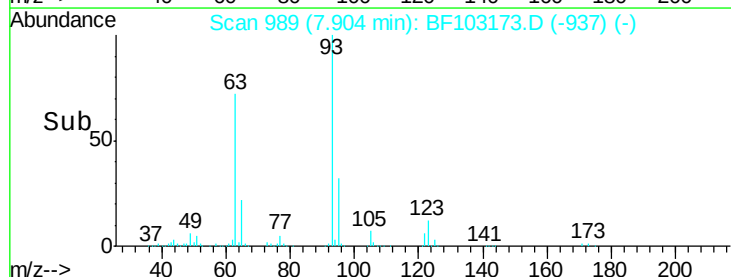
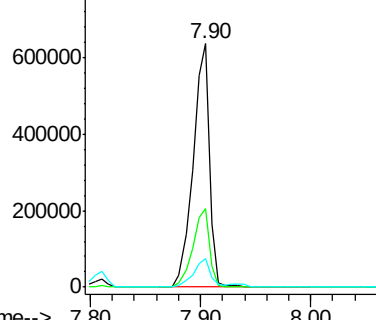
Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.3	39.5
123	11.6	9.8	14.6

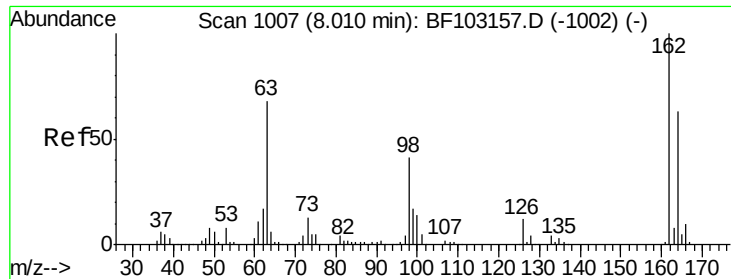


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





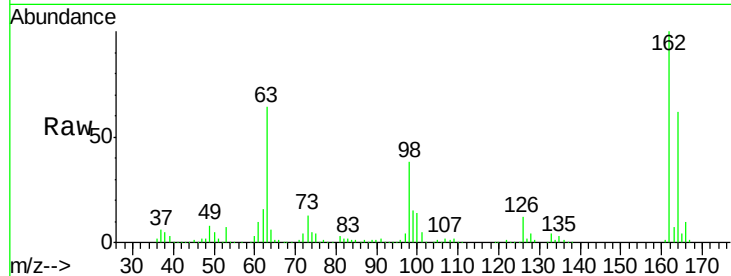
#29
2,4-Dichlorophenol
Concen: 35.494 ng
RT: 8.02 min Scan# 1008
Delta R.T. 0.01 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Instrument :
BNA_F
ClientSampleId :
HD-01-022118MSD

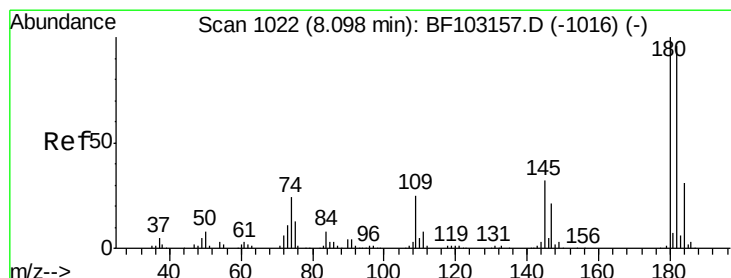
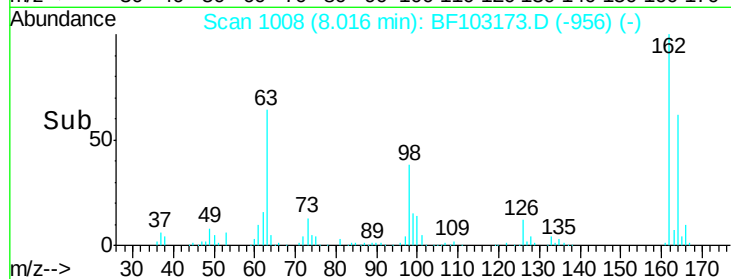
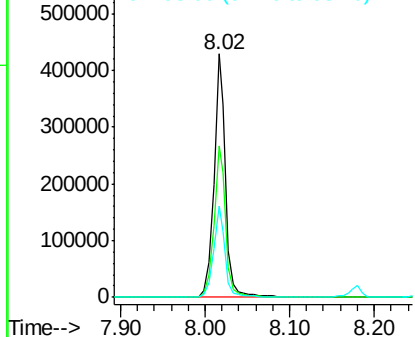
Tot Ion	Ratio	Resp	Lower	Upper
162	100	420849		
164	62.1		42.7	82.7
98	37.8		18.1	58.1

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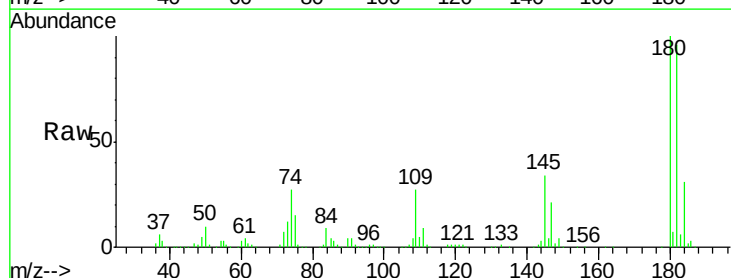


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

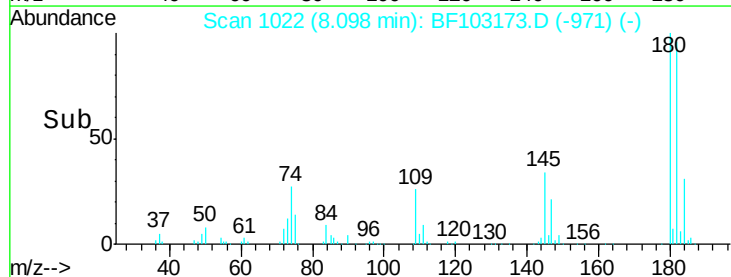
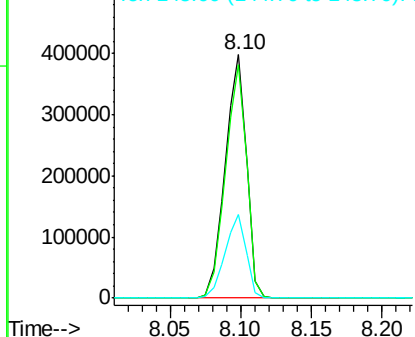


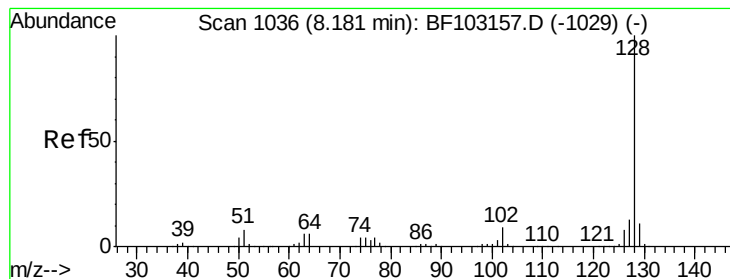
#30
1,2,4-Trichlorobenzene
Concen: 32.845 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	414715		
182	95.8		76.8	115.2
145	34.2		26.5	39.7



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 32.385 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

ClientSampleId :

HD-01-022118MSD

Tot Ion:128 Resp: 1415390

Ion Ratio Lower Upper

128 100

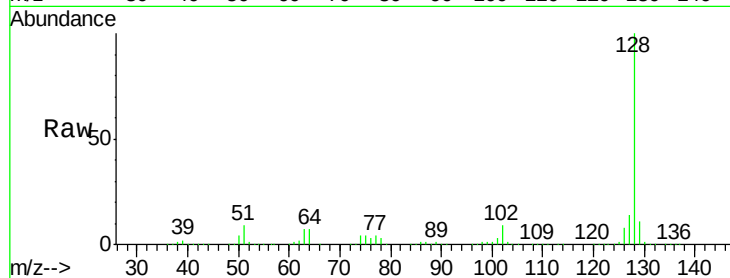
129 11.3 8.8 13.2

127 13.9 10.9 16.3

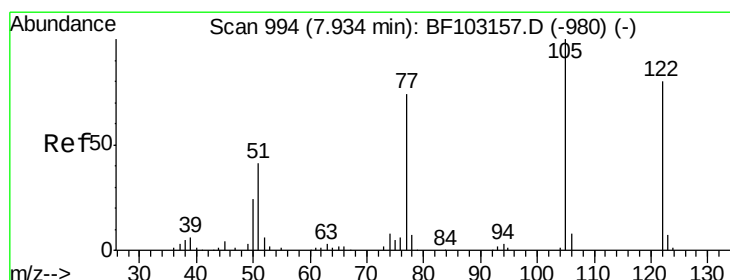
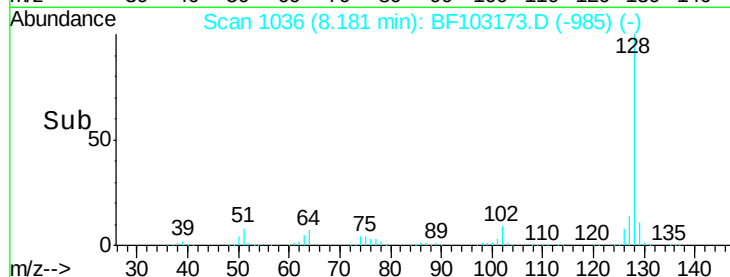
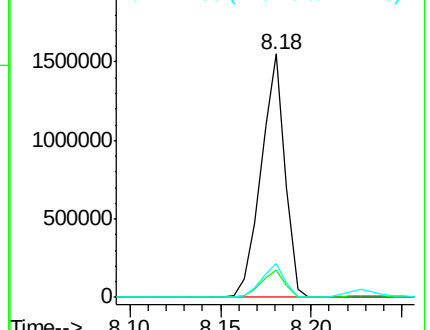
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 36.646 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

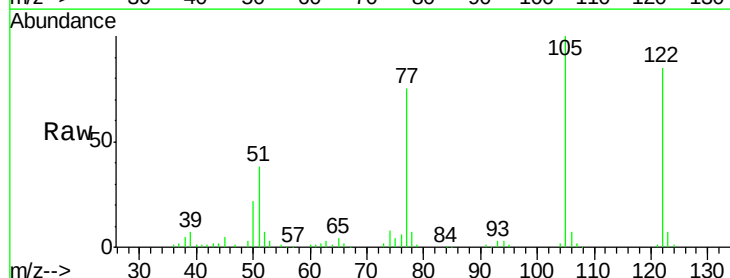
Tgt Ion:122 Resp: 244939

Ion Ratio Lower Upper

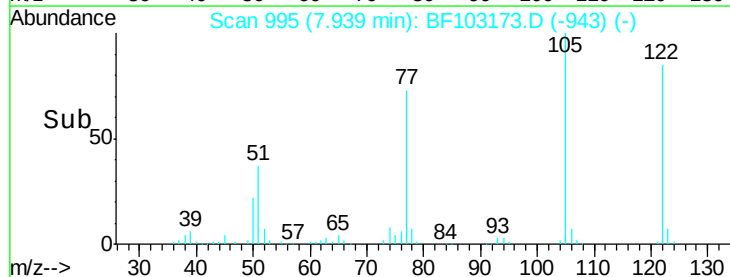
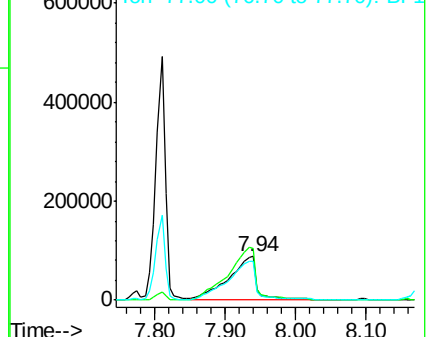
122 100

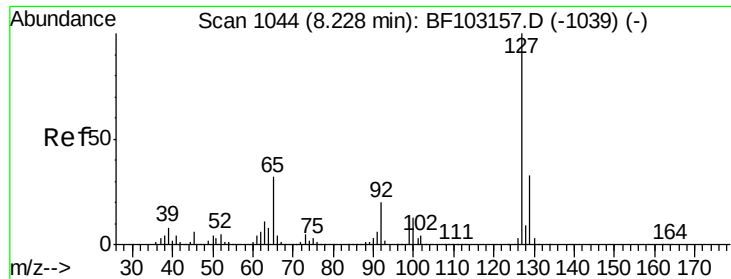
105 117.6 101.1 141.1

77 88.1 70.7 110.7



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): BF1





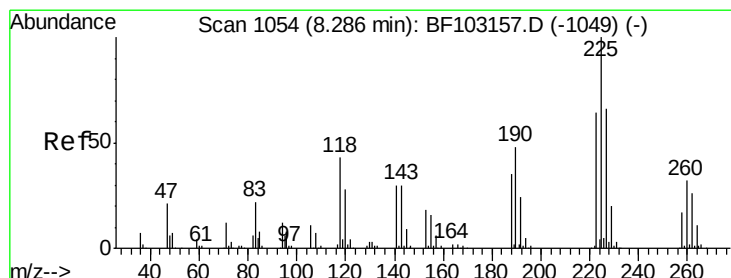
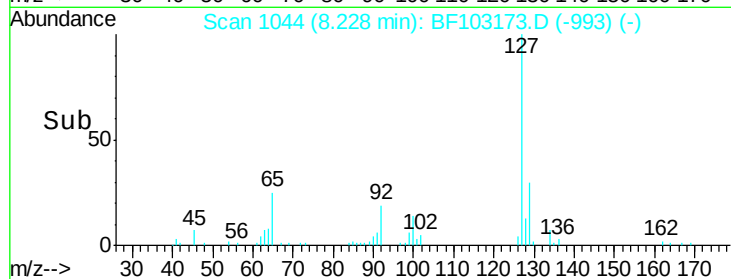
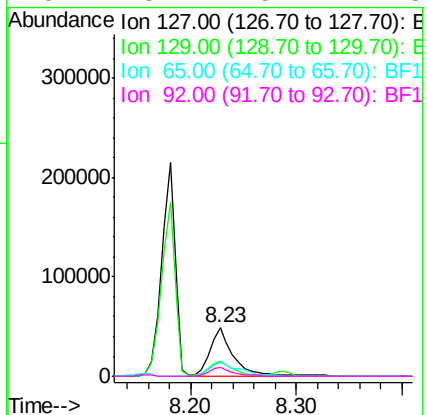
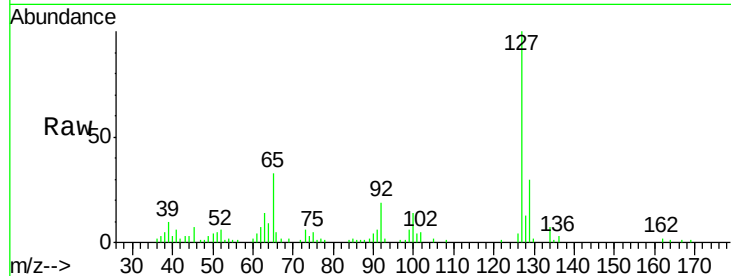
#33
4-Chloroaniline
Concen: 3.934 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Instrument :
BNA_F
ClientSampleId :
HD-01-022118MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		74196		
129	29.7	25.9	38.9		
65	32.6	25.0	37.4		
92	18.7	15.2	22.8		

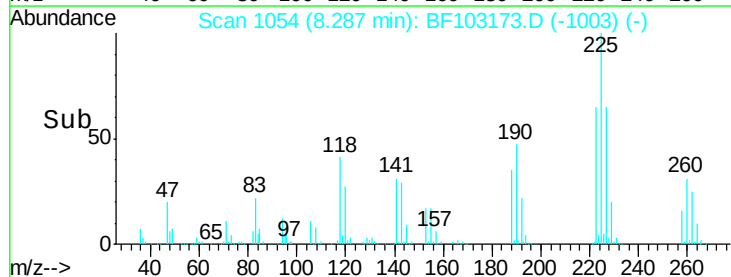
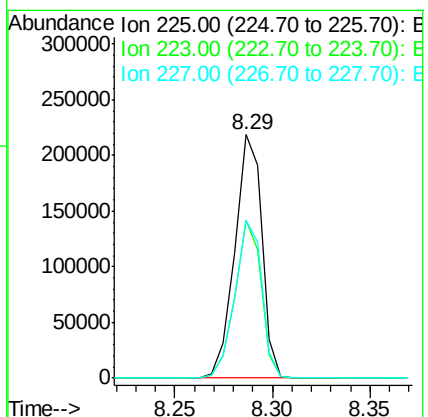
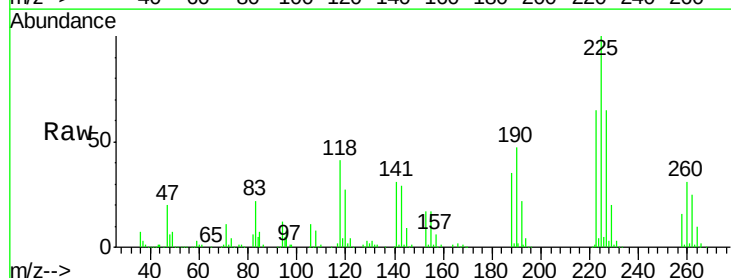
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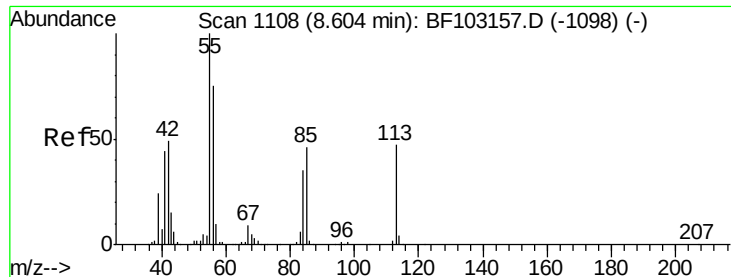
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#34
Hexachlorobutadiene
Concen: 31.940 ng
RT: 8.29 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		210008		
223	65.0	50.6	76.0		
227	64.6	51.9	77.9		





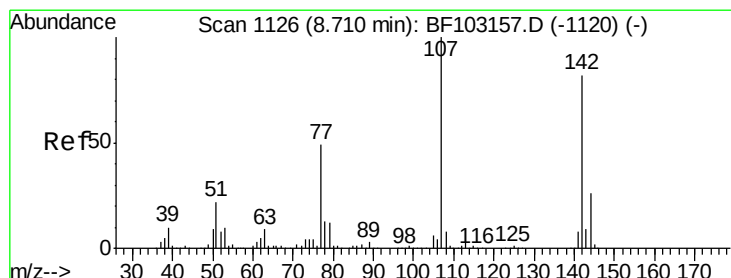
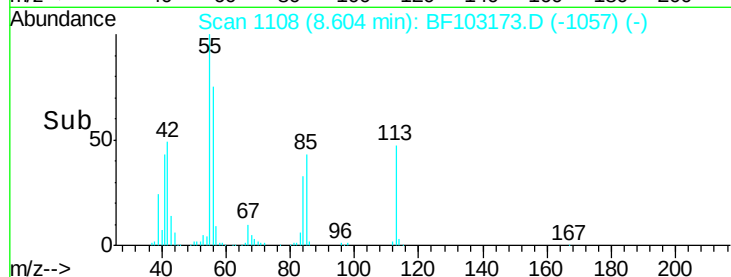
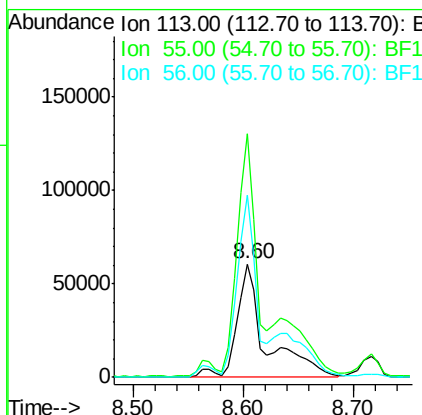
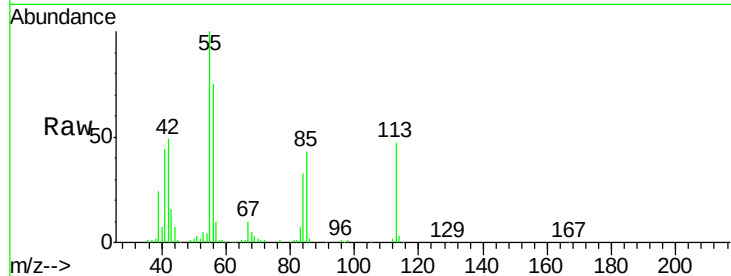
#35
 Caprolactam
 Concen: 26.772 ng/ml
 RT: 8.60 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	214.7	163.3	203.3#
56	160.1	115.7	155.7#

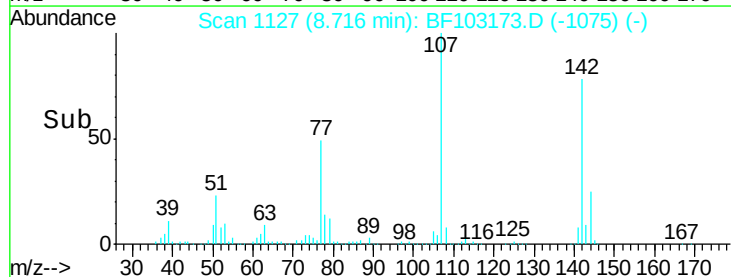
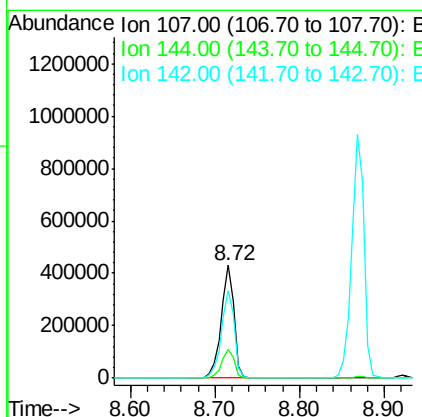
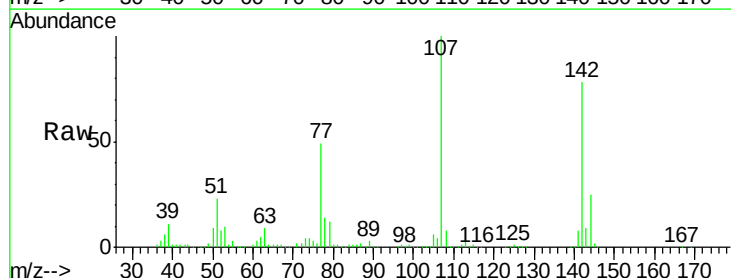
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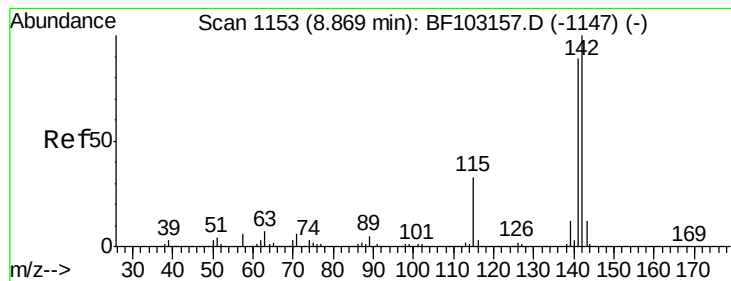
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#36
 4-Chloro-3-methylphenol
 Concen: 34.491 ng/ml
 RT: 8.72 min Scan# 1127
 Delta R.T. 0.01 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.5	30.7
142	77.9	62.0	93.0





#37

2-Methylnaphthalene

Concen: 33.569 ng

RT: 8.87 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

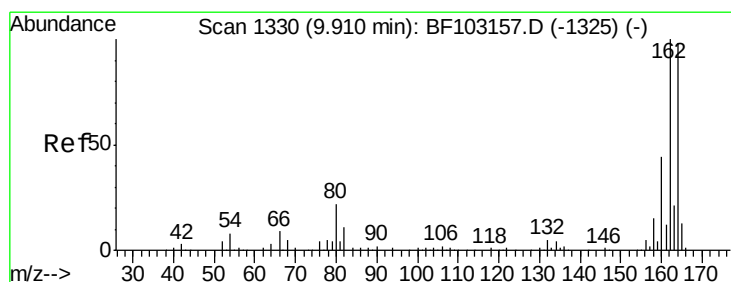
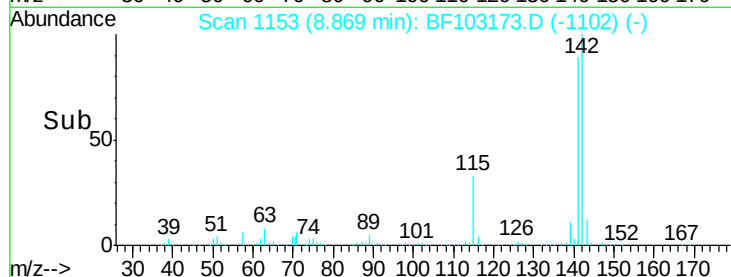
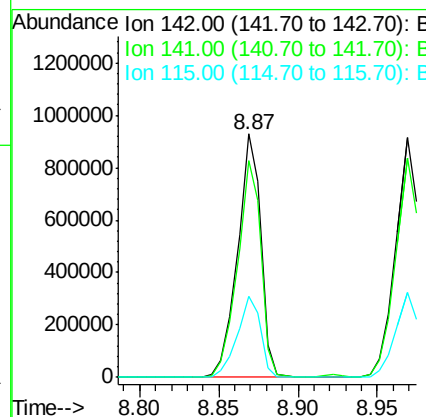
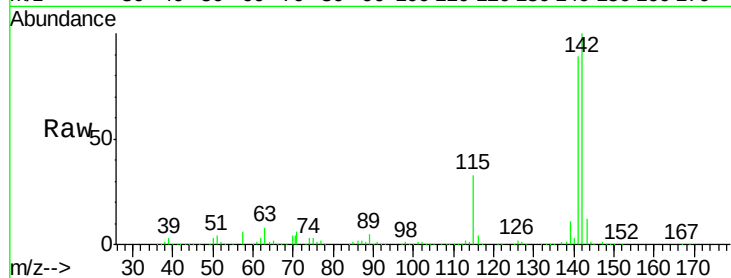
ClientSampleId :

HD-01-022118MSD

Tot Ion:	142	Resp:	948181
Ion Ratio	Lower	Upper	
142	100		
141	89.3	70.8	106.2
115	33.3	26.1	39.1

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#38

Acenaphthene-d10

Concen: 40.000 ng

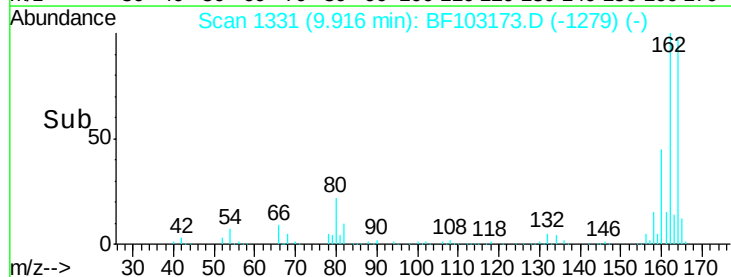
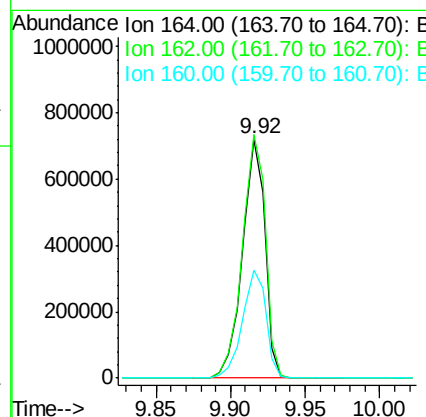
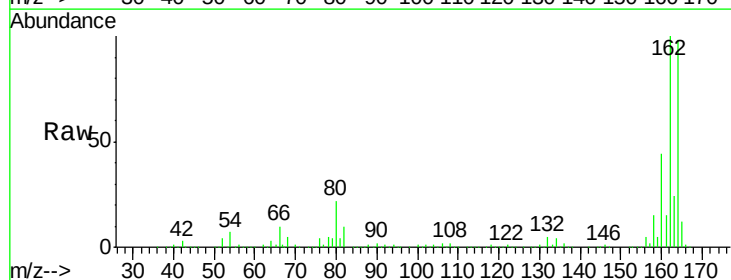
RT: 9.92 min Scan# 1331

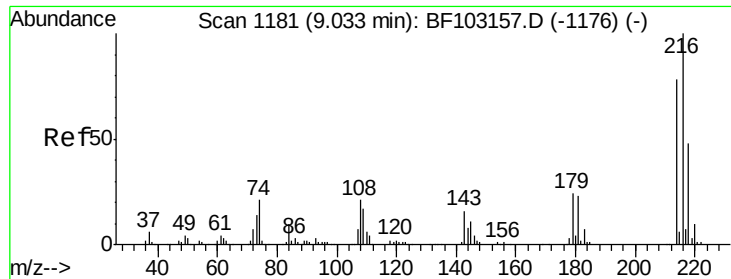
Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Tgt Ion:	164	Resp:	754541
Ion Ratio	Lower	Upper	
164	100		
162	102.0	86.1	129.1
160	45.4	38.3	57.5





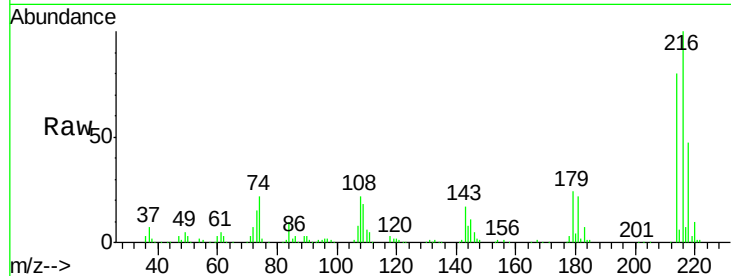
#39
1,2,4,5-Tetrachlorobenzene
Concen: 35.000 ng
RT: 9.03 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Instrument :
BNA_F
ClientSampleId :
HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.4
179	23.1	18.1	27.1
108	21.7	17.2	25.8

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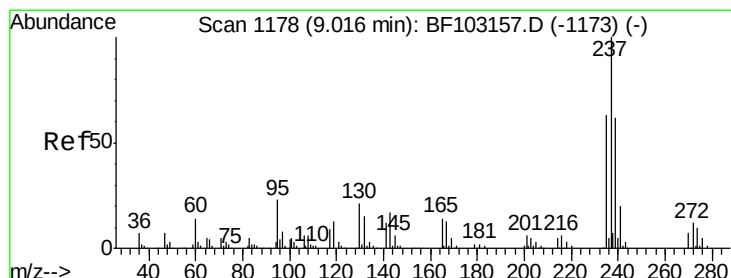
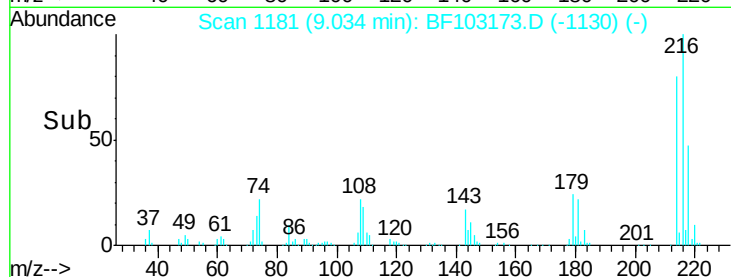
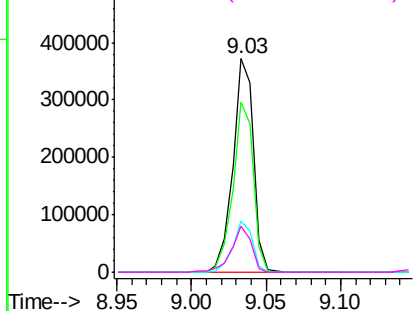
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

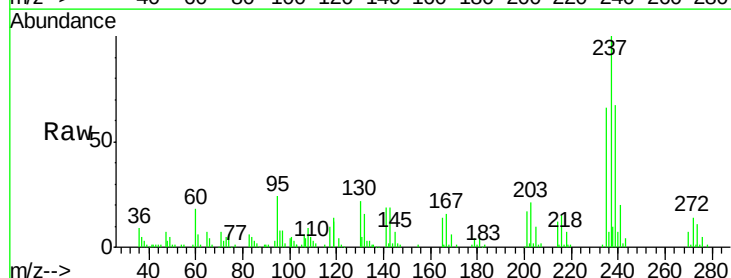
Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40
Hexachlorocyclopentadiene
Concen: 34.849 ng
RT: 9.02 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
237	100		
235	66.3	44.8	84.8
272	13.8	0.0	33.3

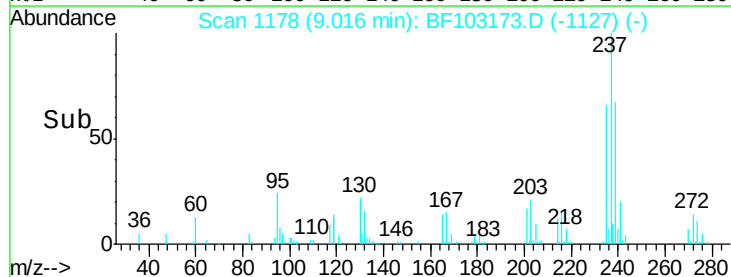
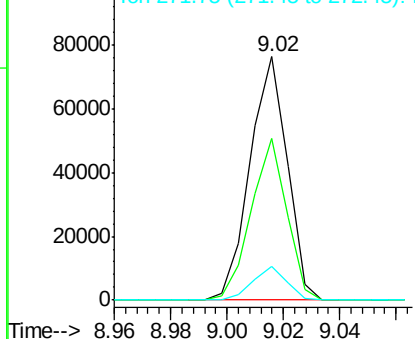


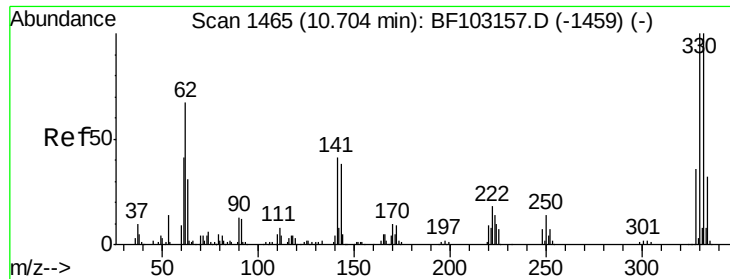
Abundance

Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





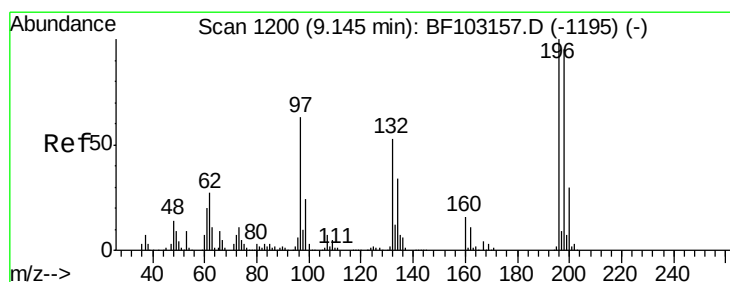
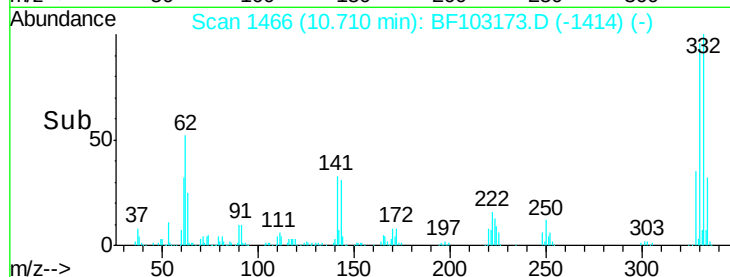
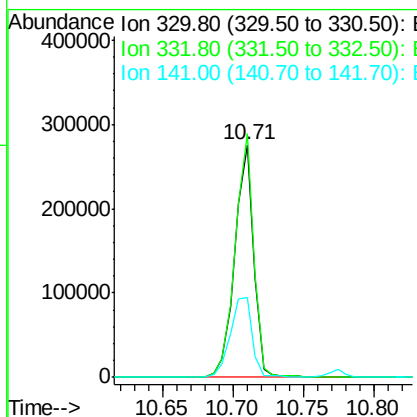
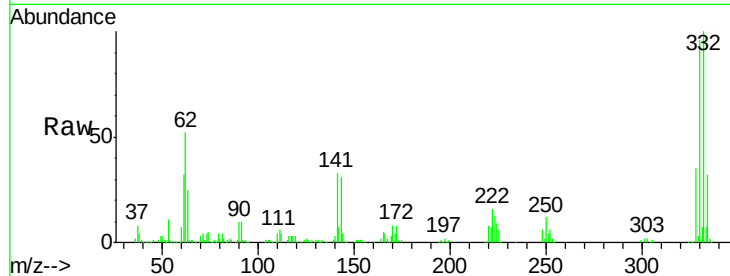
#41
 2,4,6-Tribromophenol
 Concen: 81.081 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.01 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	103.9	77.0	115.6	
141	39.6	29.9	44.9	

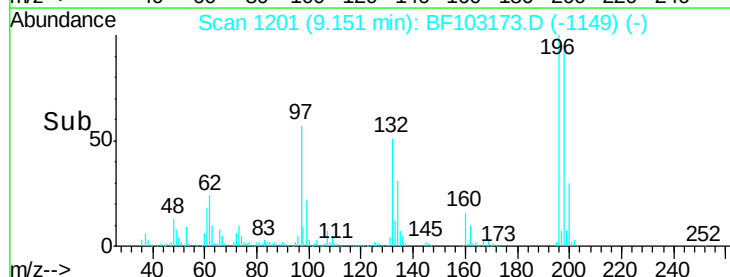
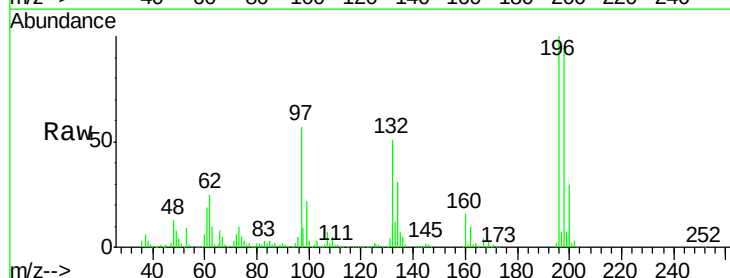
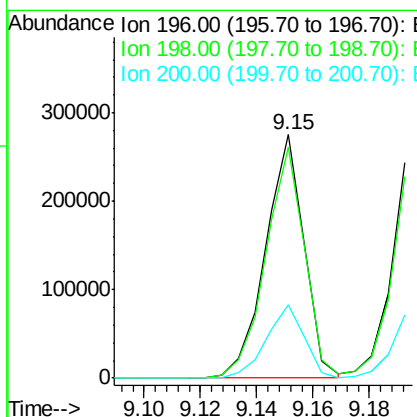
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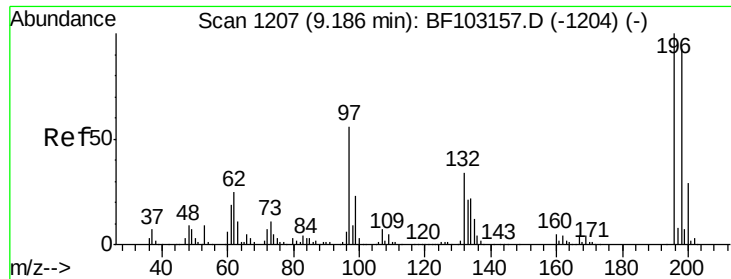
Sohil
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#42
 2,4,6-Trichlorophenol
 Concen: 37.442 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	94.9	75.7	113.5	
200	30.2	24.5	36.7	





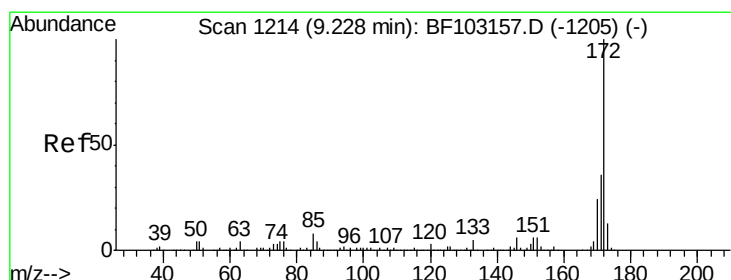
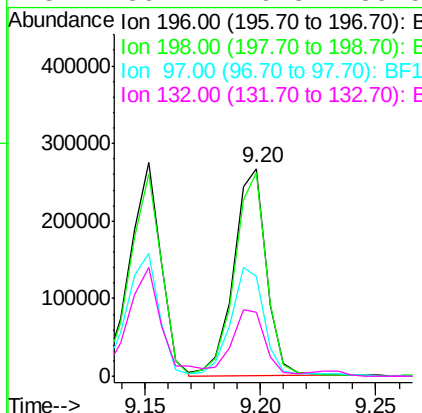
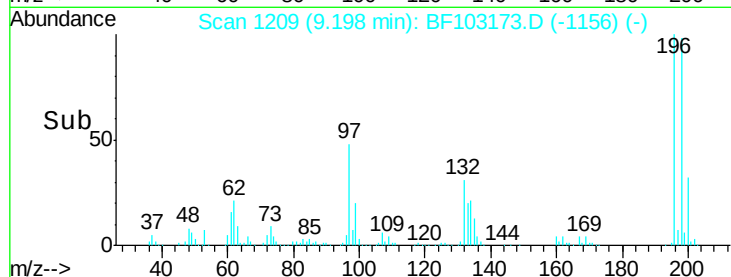
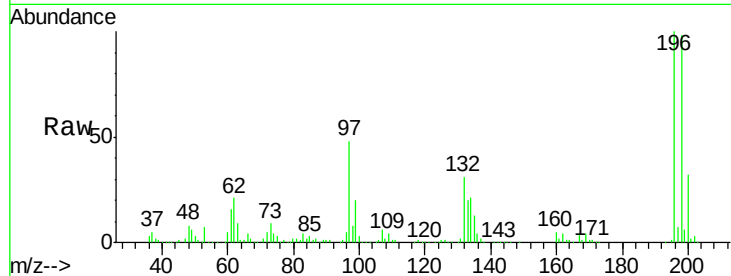
#43
 2,4,5-Trichlorophenol
 Concen: 33.120 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	264359		
198	97.8	74.6	112.0	
97	48.2	42.9	64.3	
132	30.7	26.3	39.5	

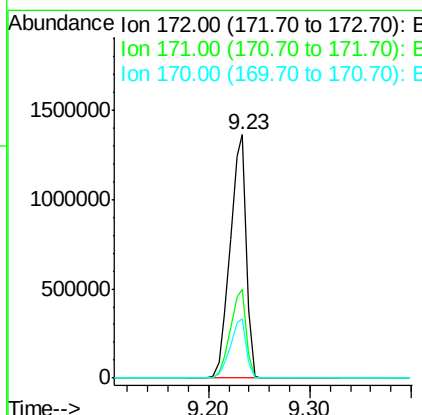
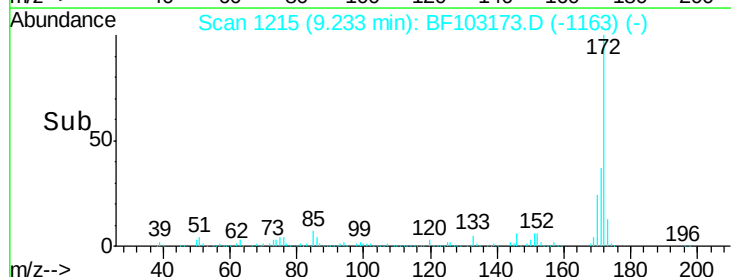
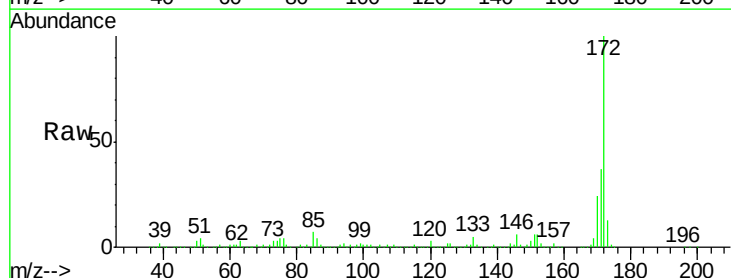
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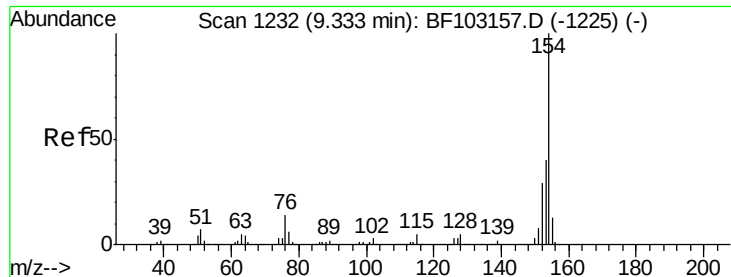
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 56.740 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.01 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1501033		
171	36.6	29.7	44.5	
170	24.1	19.6	29.4	





#45

1,1'-Biphenyl

Concen: 33.877 ng

RT: 9.33 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

ClientSampleId :

HD-01-022118MSD

Tot Ion:154 Resp: 1070978

Ion Ratio Lower Upper

154 100

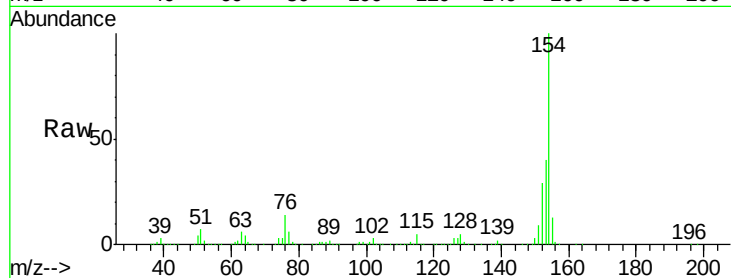
153 40.2 21.3 61.3

76 14.0 0.0 34.0

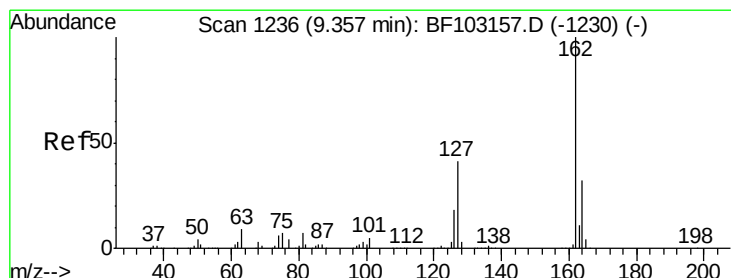
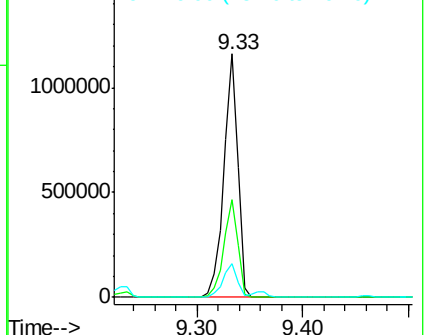
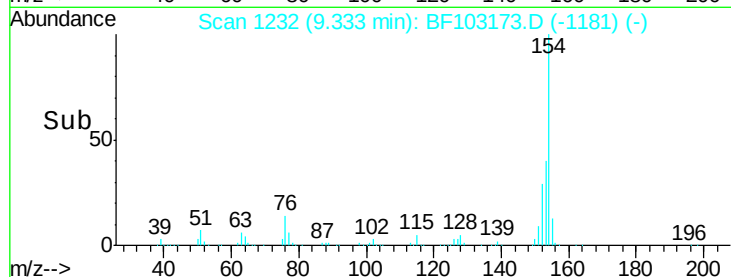
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 33.968 ng

RT: 9.36 min Scan# 1237

Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

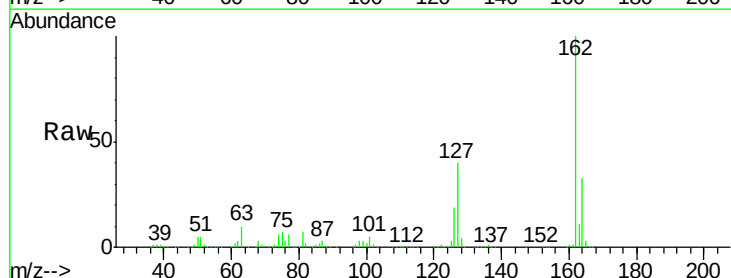
Tgt Ion:162 Resp: 849560

Ion Ratio Lower Upper

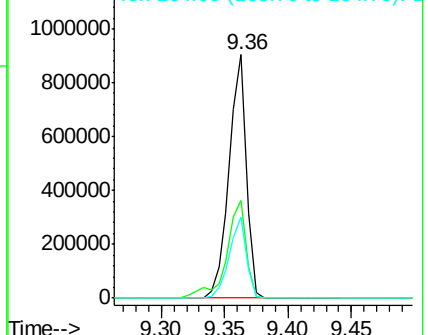
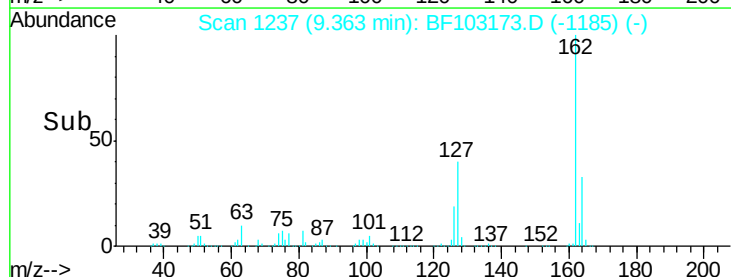
162 100

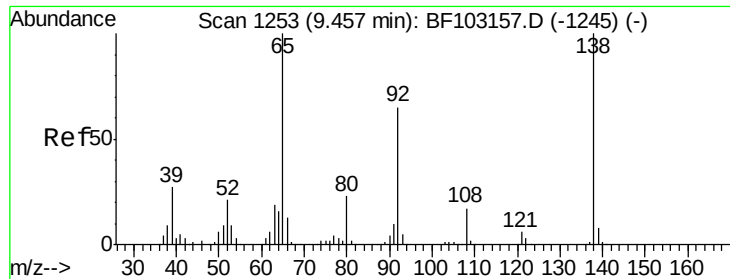
127 40.1 33.9 50.9

164 33.3 26.5 39.7



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: 35.364 ng

RT: 9.46 min Scan# 1254

Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

ClientSampleId :

HD-01-022118MSD

Tot Ion: 65 Resp: 327623

Ion Ratio Lower Upper

65 100

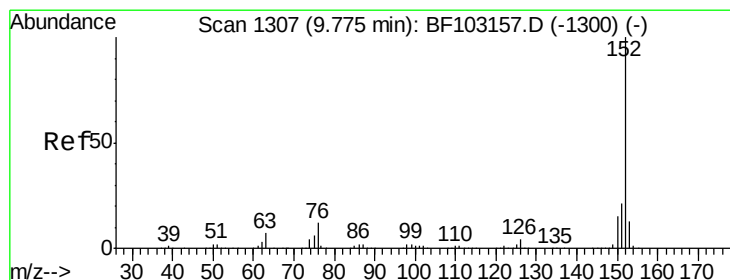
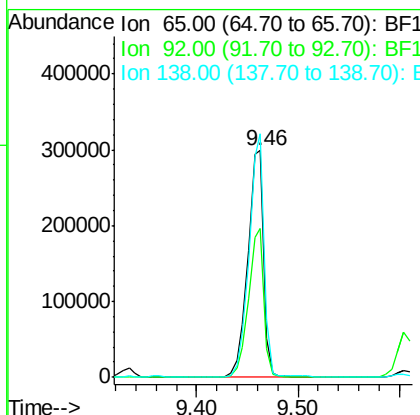
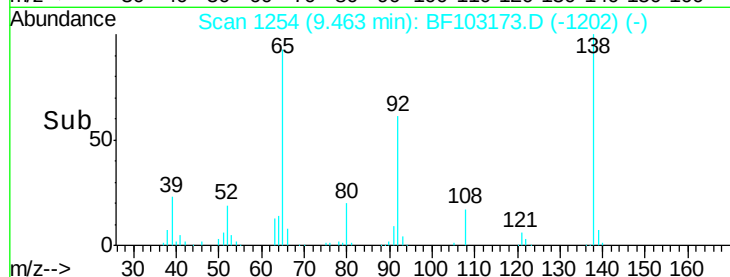
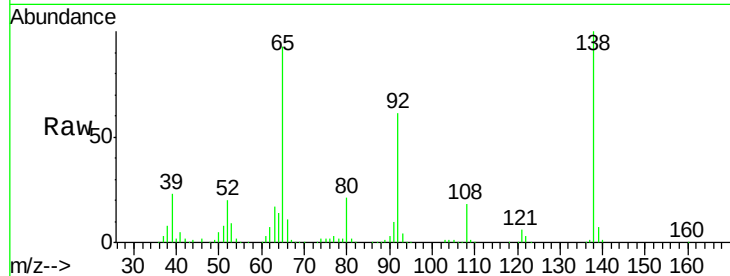
92 65.5 55.8 83.6

138 107.3 91.2 136.8

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#48

Acenaphthylene

Concen: 32.535 ng

RT: 9.78 min Scan# 1308

Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

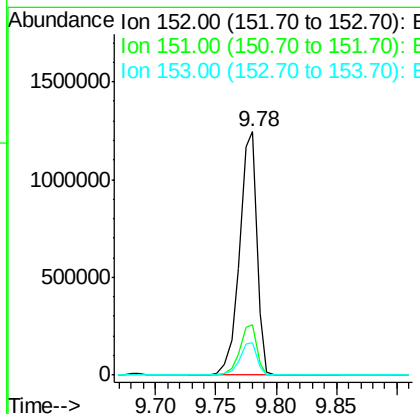
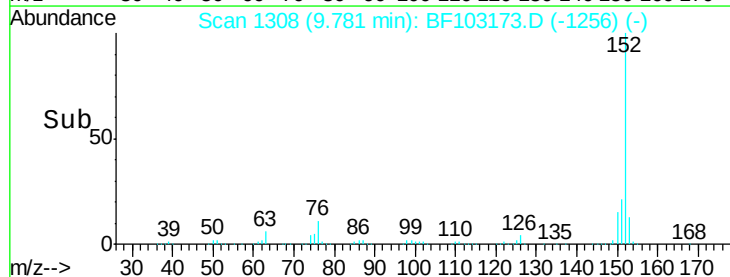
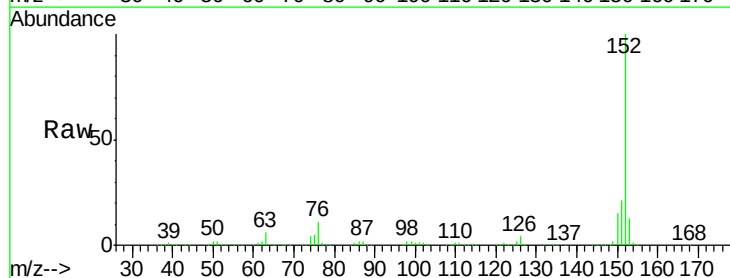
Tgt Ion: 152 Resp: 1251971

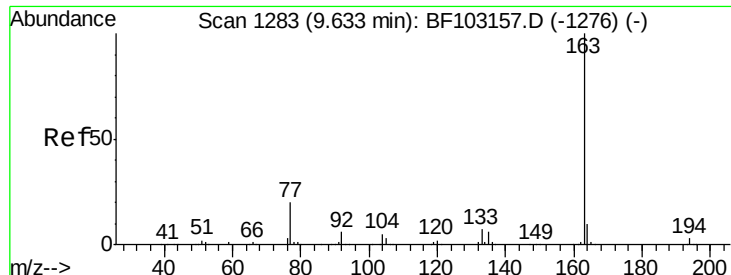
Ion Ratio Lower Upper

152 100

151 20.9 16.3 24.5

153 13.1 10.7 16.1





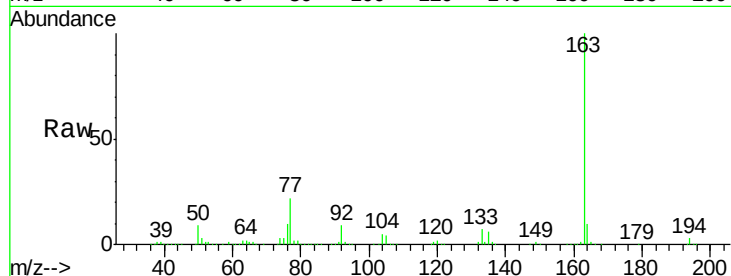
#49
Dimethylphthalate
Concen: 34.754 ng
RT: 9.63 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Instrument :
BNA_F
ClientSampleId :
HD-01-022118MSD

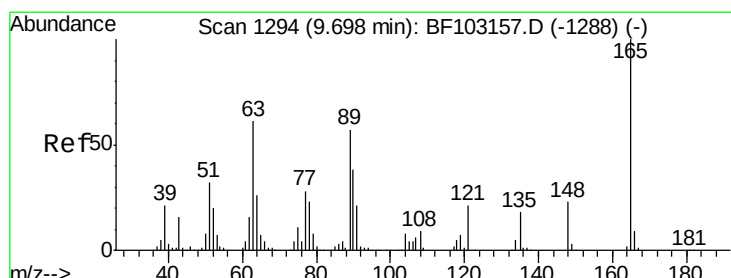
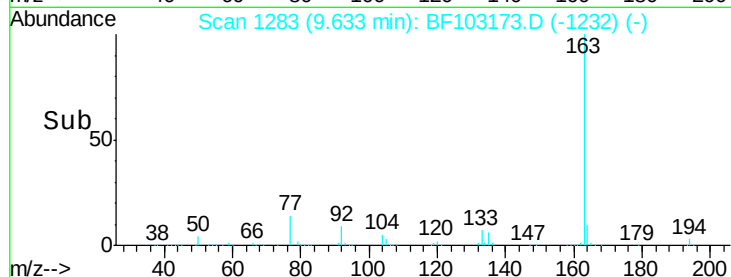
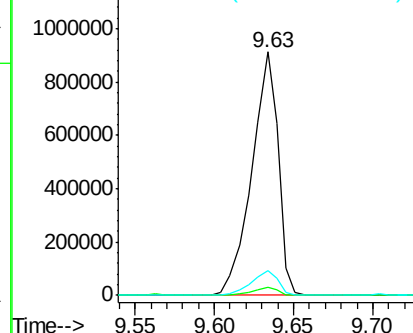
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.3	8.2	12.2

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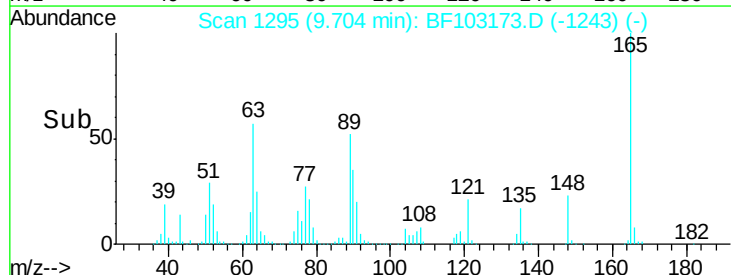
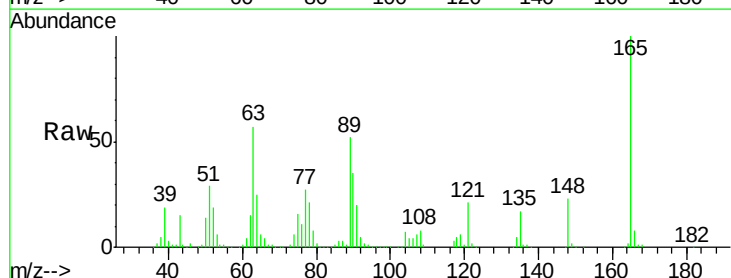
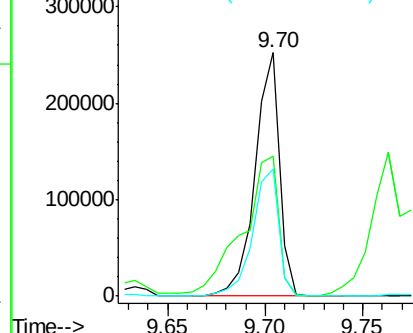
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

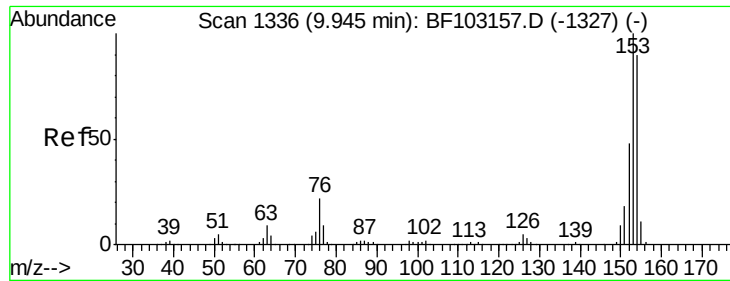


#50
2,6-Dinitrotoluene
Concen: 34.559 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.01 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	57.5	44.7	67.1
89	52.2	44.0	66.0

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 31.965 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

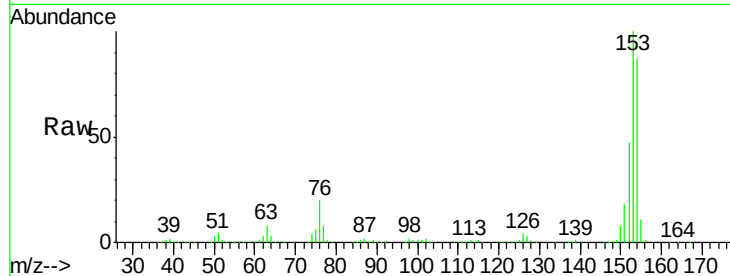
ClientSampleId :

HD-01-022118MSD

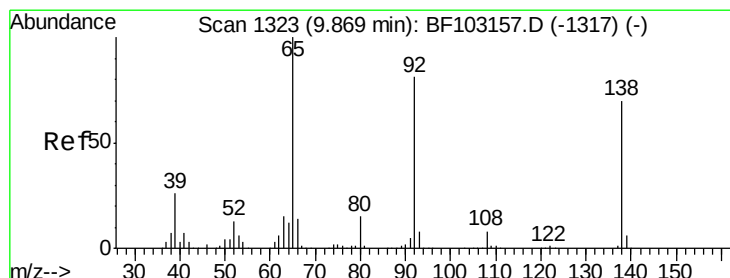
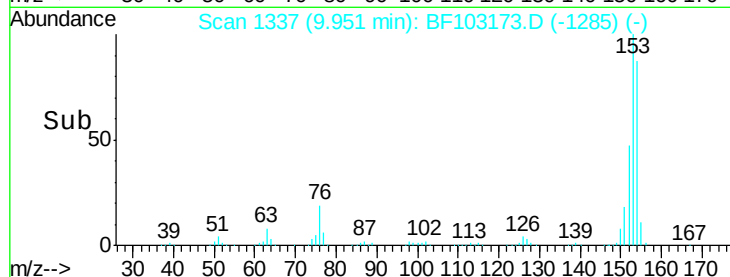
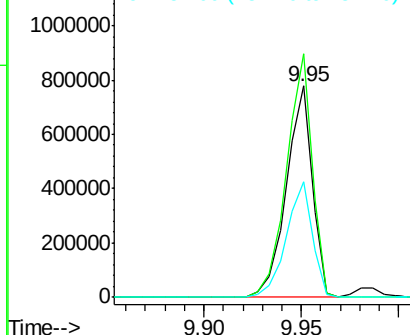
Tot Ion:	154	Resp:	717269
Ion	Ratio	Lower	Upper
154	100		
153	115.2	91.2	136.8
152	54.6	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 10.593 ng

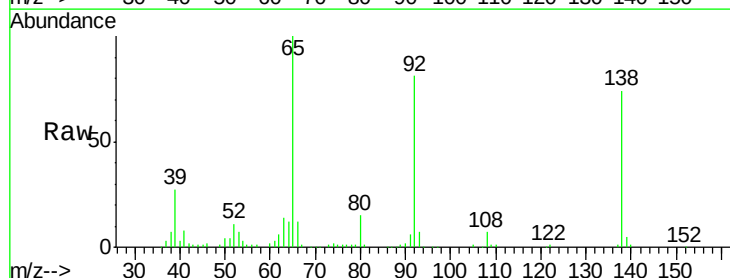
RT: 9.87 min Scan# 1323

Delta R.T. 0.00 min

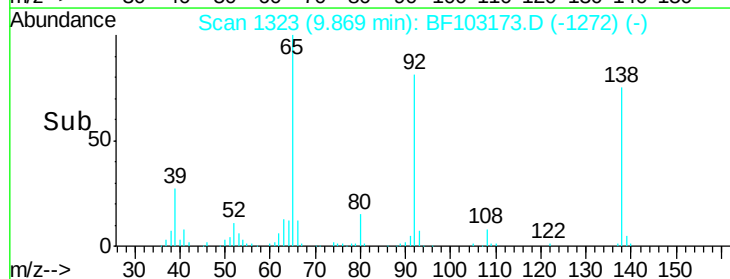
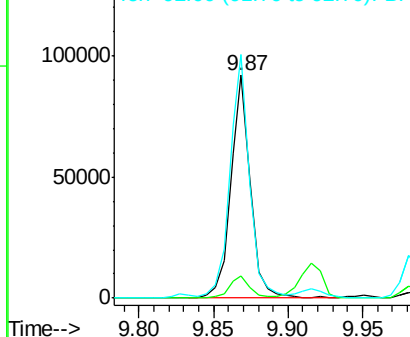
Lab File: BF103173.D

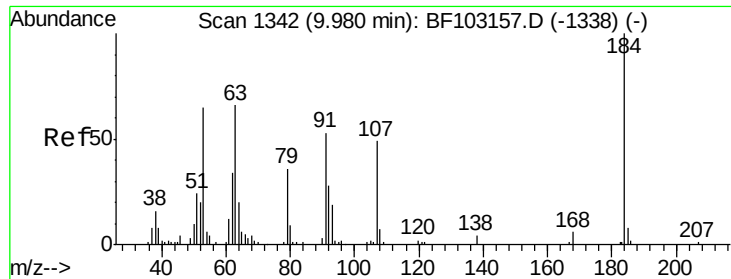
Acq: 22 Feb 2018 20:08

Tgt Ion:	138	Resp:	85356
Ion	Ratio	Lower	Upper
138	100		
108	10.1	9.4	14.0
92	109.2	89.4	134.2



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1





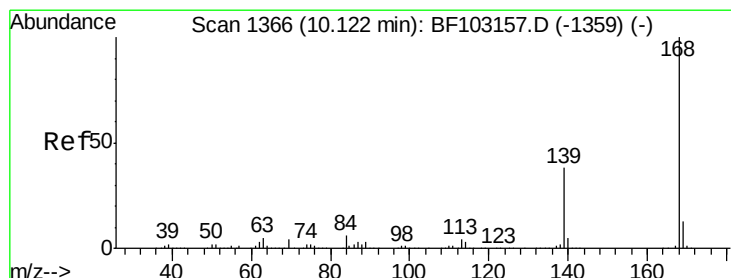
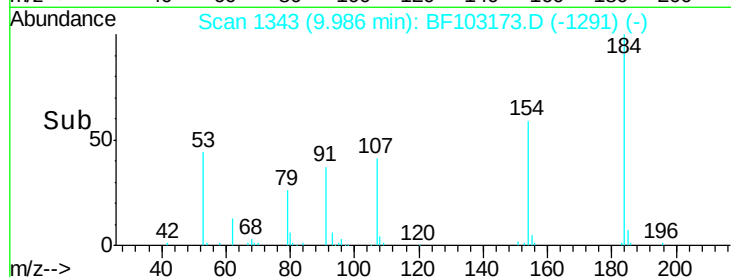
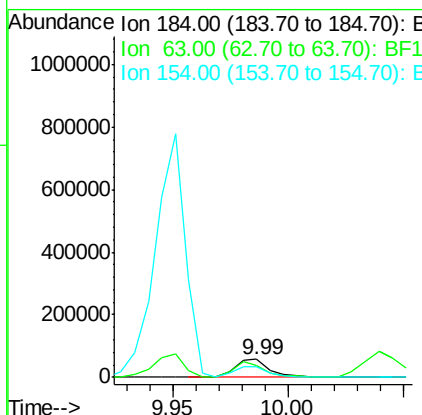
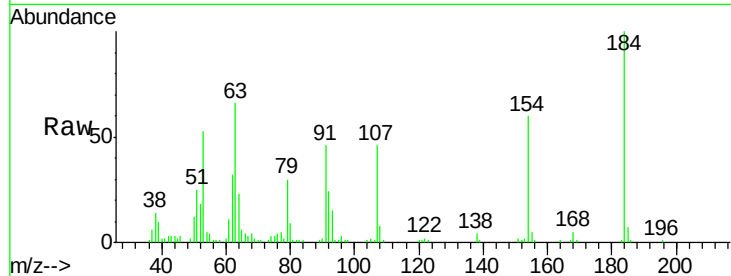
#53
 2,4-Dinitrophenol
 Concen: 42.036 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. 0.01 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	65.7	54.2	81.2
154	59.7	184.0	276.0#

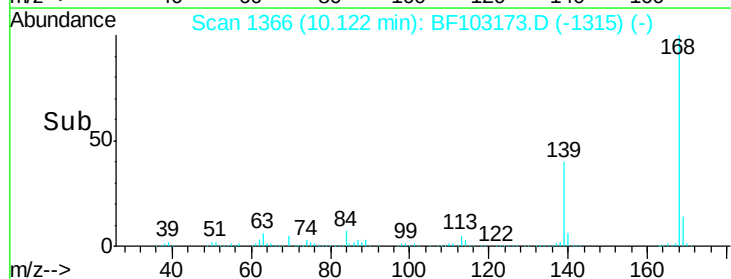
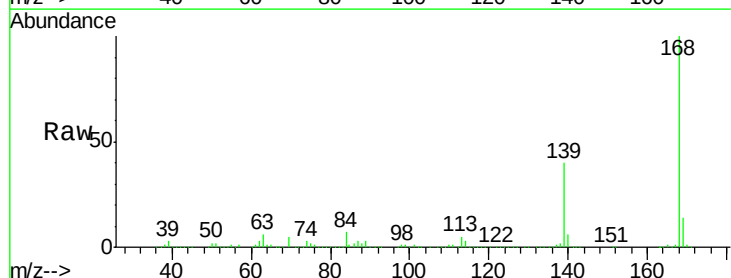
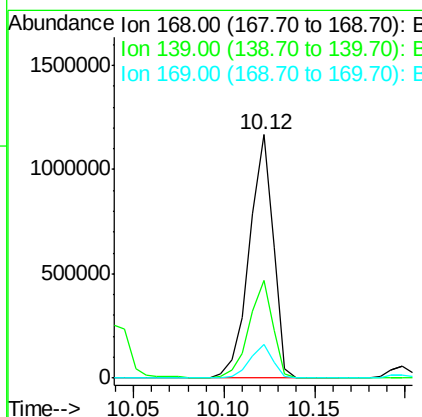
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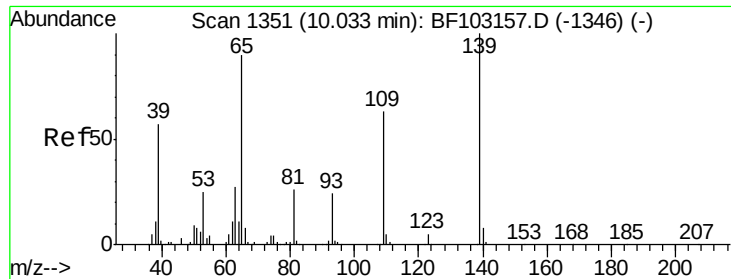
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#54
 Dibenzofuran
 Concen: 34.784 ng
 RT: 10.12 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.1	30.1	45.1
169	13.7	10.9	16.3





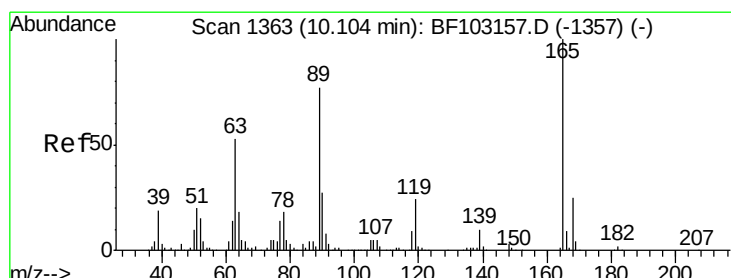
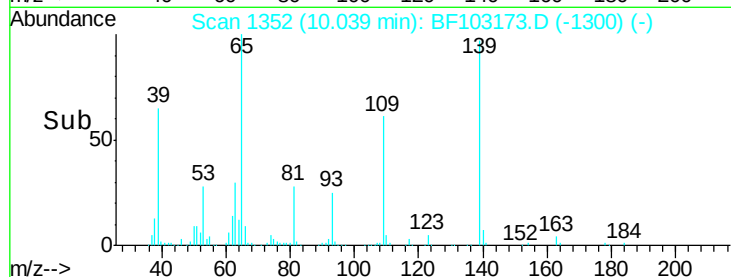
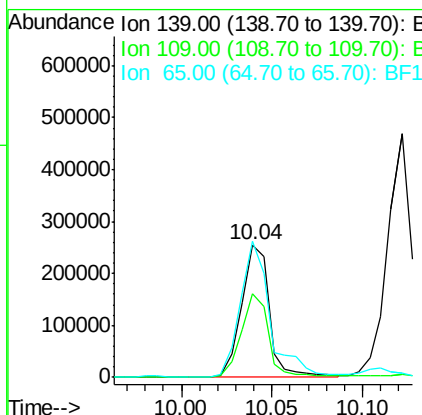
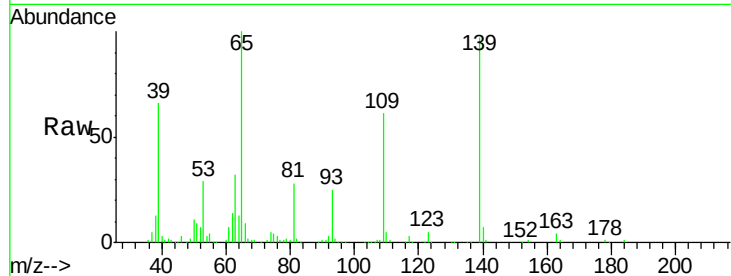
#55
4-Nitrophenol
Concen: 54.679 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Instrument :
BNA_F
ClientSampleId :
HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	63.0	48.4	88.4
65	102.9	72.6	112.6

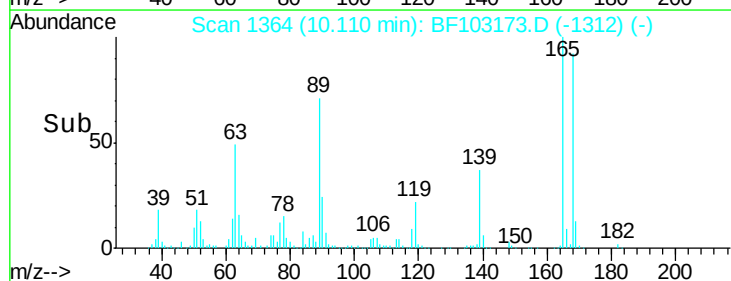
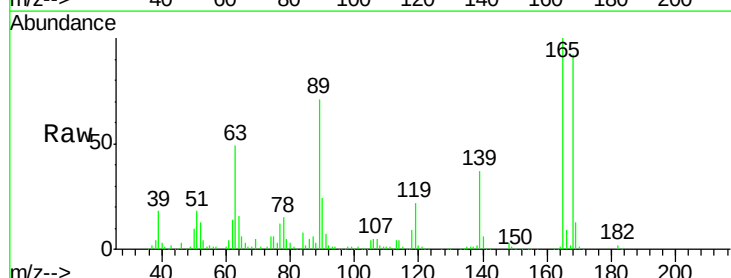
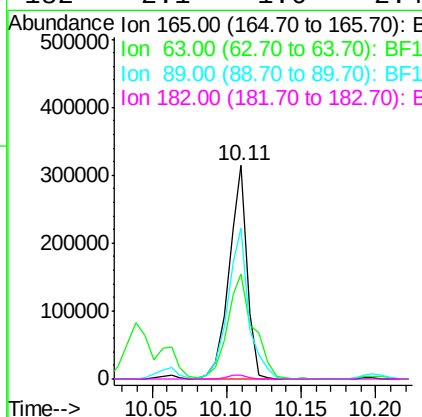
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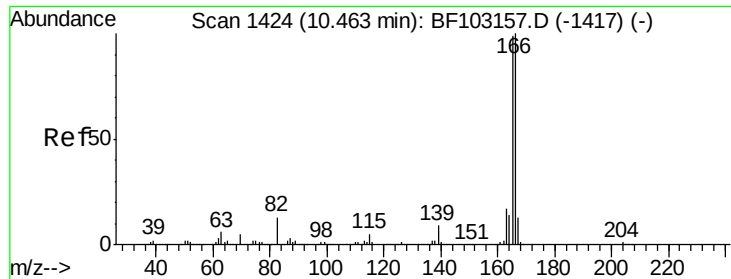
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#56
2,4-Dinitrotoluene
Concen: 33.697 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.01 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	49.3	36.4	54.6
89	70.5	57.8	86.6
182	2.1	1.6	2.4





#57

Fluorene

Concen: 30.637 ng

RT: 10.46 min Scan# 1424

Delta R.T. 0.00 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

ClientSampleId :

HD-01-022118MSD

Tot Ion:166 Resp: 803912

Ion Ratio Lower Upper

166 100

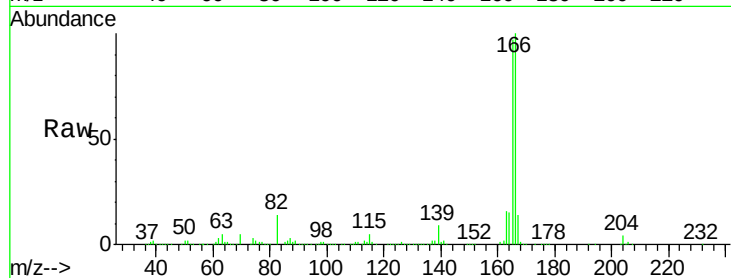
165 97.0 79.8 119.8

167 13.6 10.6 16.0

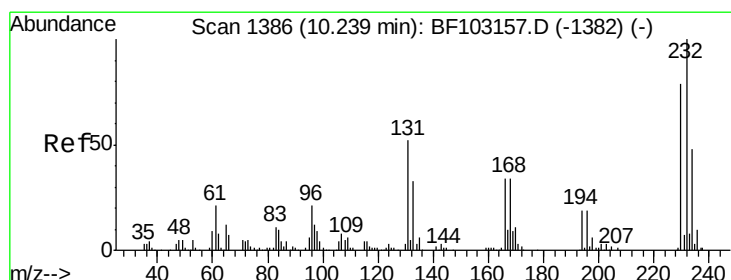
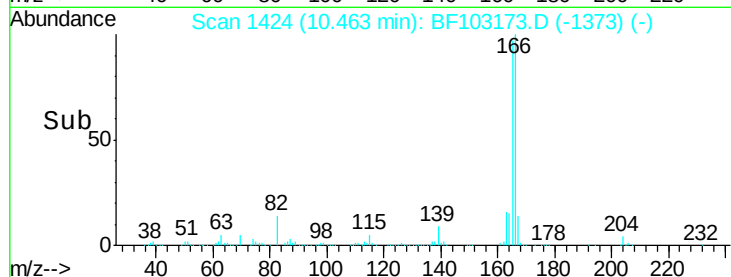
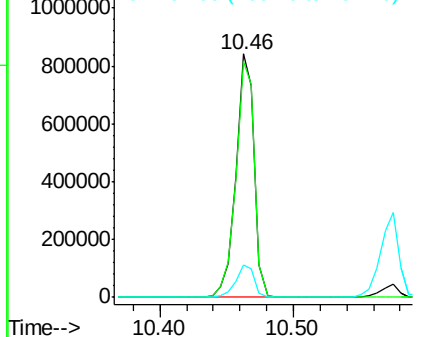
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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 34.245 ng

RT: 10.24 min Scan# 1386

Delta R.T. 0.00 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Tgt Ion:232 Resp: 183619

Ion Ratio Lower Upper

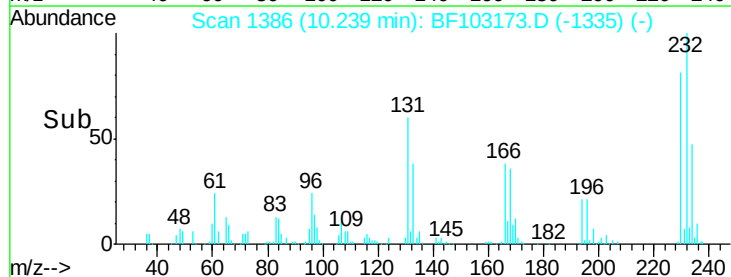
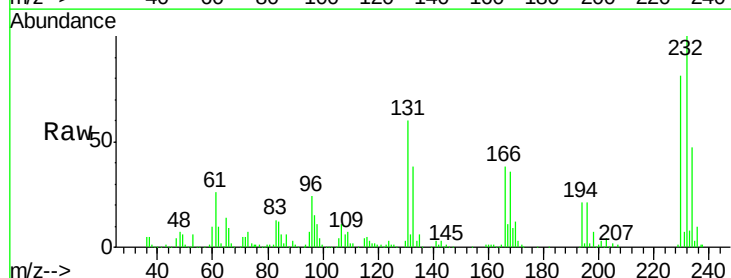
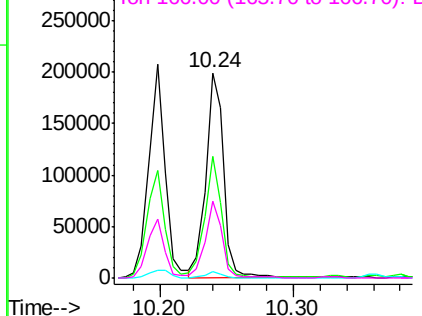
232 100

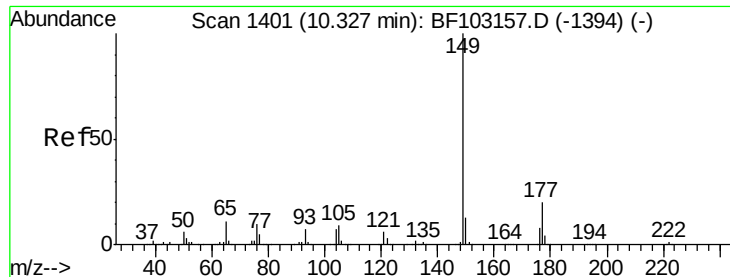
131 55.3 43.8 65.8

130 2.7 2.1 3.1

166 35.8 27.8 41.6

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





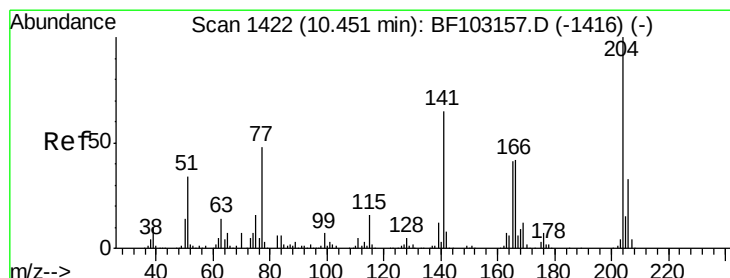
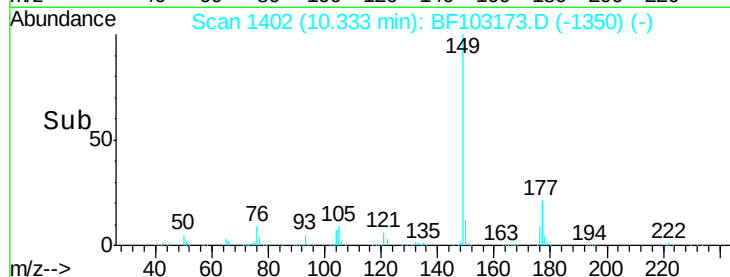
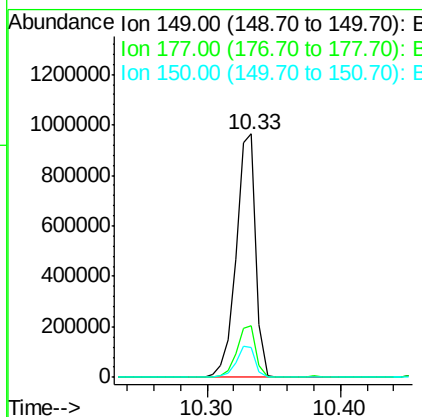
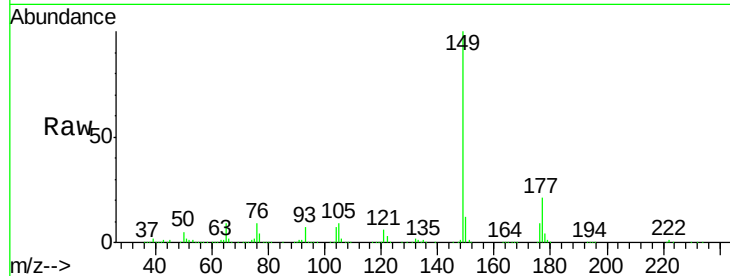
#59
Diethylphthalate
Concen: 34.147 ng
RT: 10.33 min Scan# 1402
Delta R.T. 0.01 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Instrument :
BNA_F
ClientSampleId :
HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.3	16.1	24.1
150	12.0	10.1	15.1

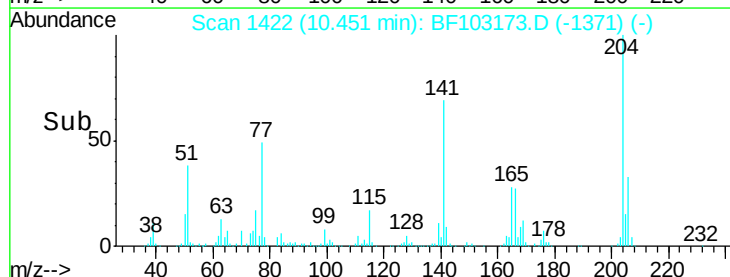
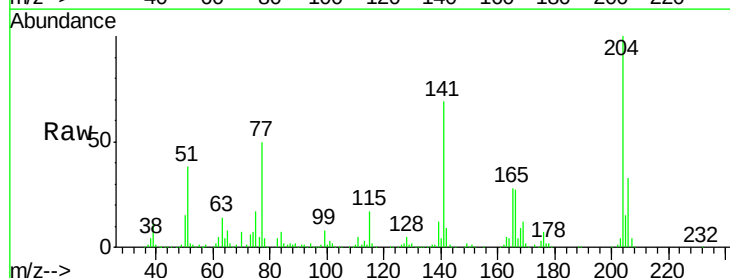
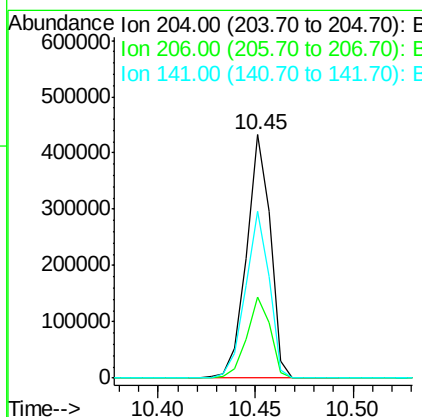
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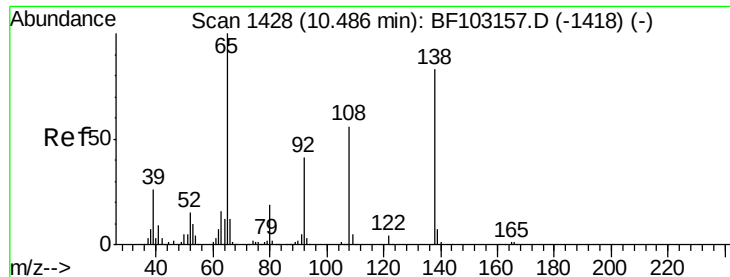
Sohil
2/23/2018 10:20:49 AM



#60
4-Chlorophenyl-phenylether
Concen: 32.892 ng
RT: 10.45 min Scan# 1422
Delta R.T. 0.00 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.5	39.7
141	68.5	54.6	81.8





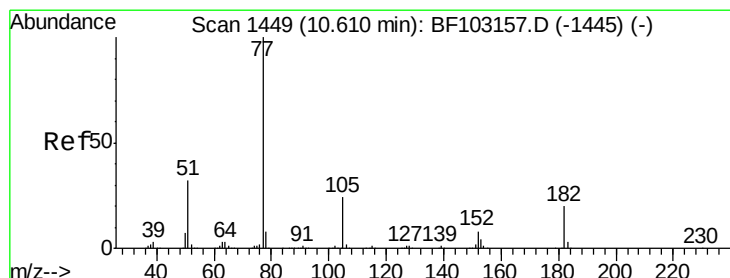
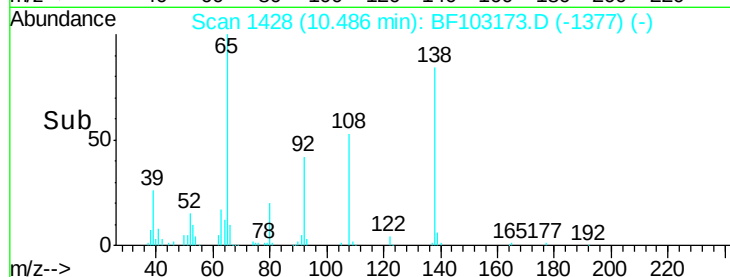
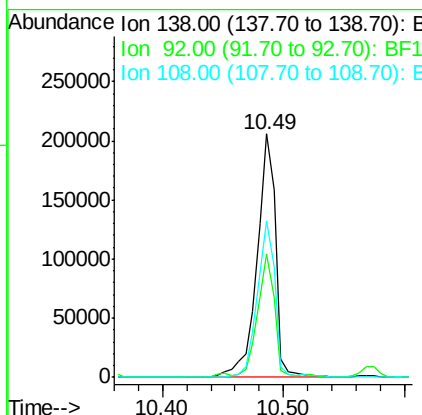
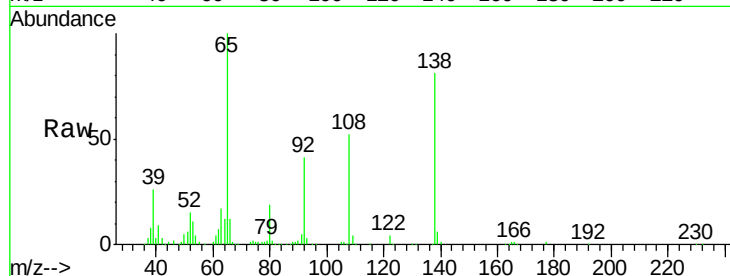
#61
4-Nitroaniline
Concen: 27.577 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.00 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Instrument :
BNA_F
ClientSampleId :
HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	50.5	30.2	70.2
108	64.4	52.5	92.5

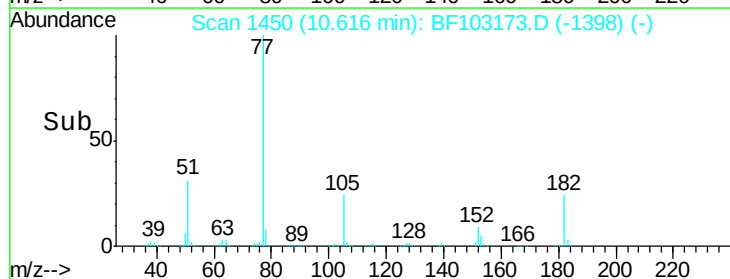
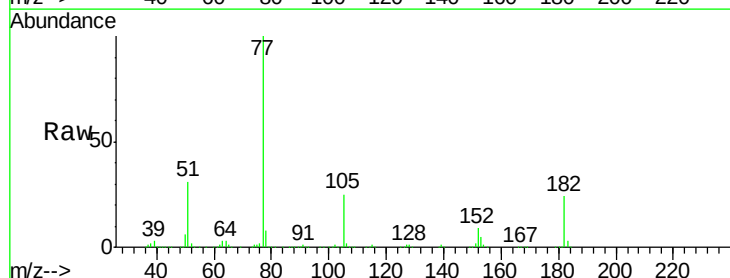
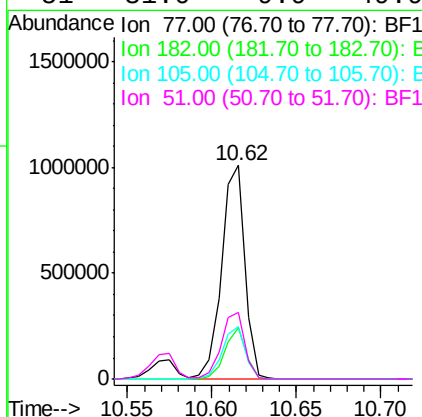
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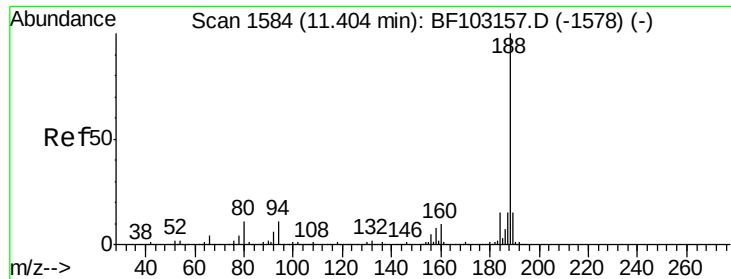
Sohil
2/23/2018 10:20:49 AM



#62
Azobenzene
Concen: 32.740 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.2	1.7	41.7
105	24.6	3.0	43.0
51	31.0	9.9	49.9





#63

Phenanthrene-d10

Concen: 40.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

ClientSampleId :

HD-01-022118MSD

Tot Ion:188 Resp: 1094348

Ion Ratio Lower Upper

188 100

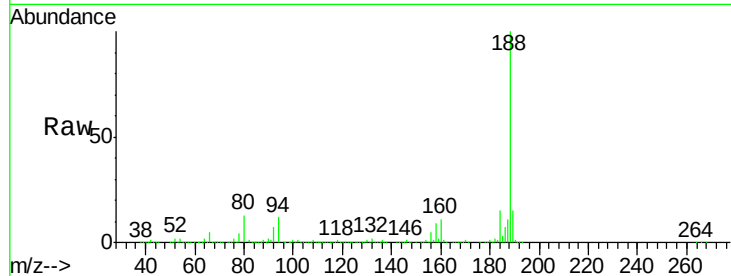
94 12.1 8.5 12.7

80 13.3 9.2 13.8

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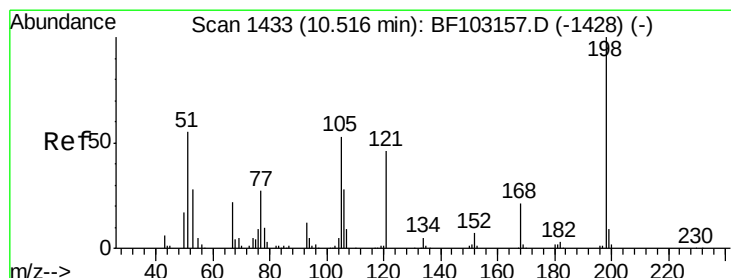
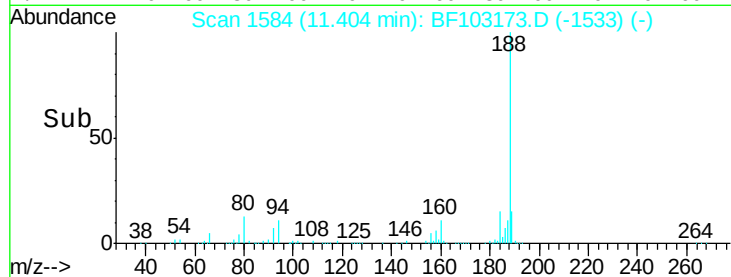
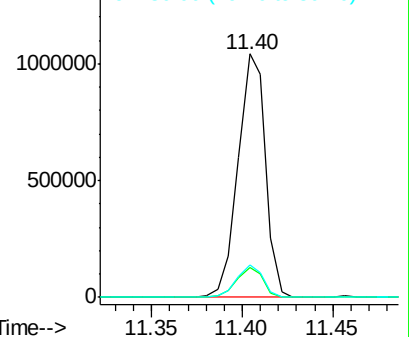
2/23/2018 10:20:49 AM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 21.945 ng

RT: 10.52 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

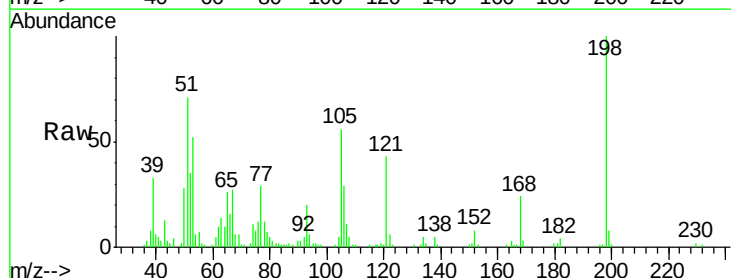
Tgt Ion:198 Resp: 44742

Ion Ratio Lower Upper

198 100

51 71.5 37.7 77.7

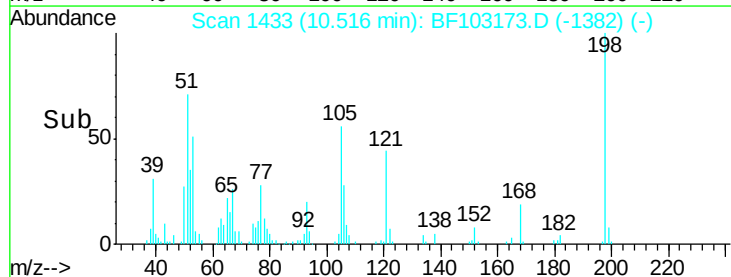
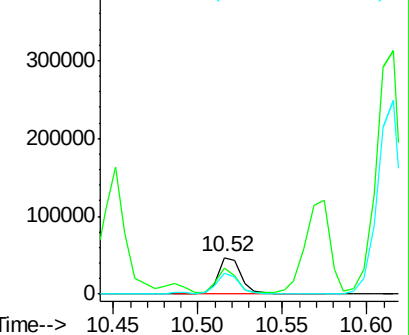
105 55.7 36.3 76.3

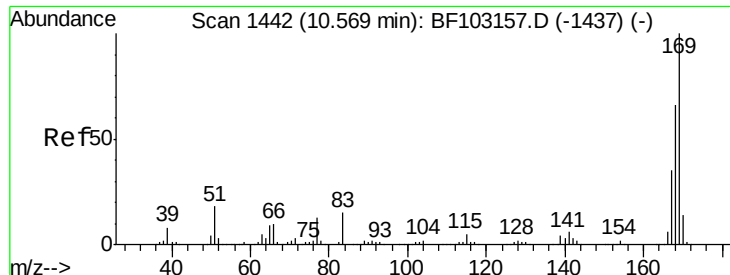


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





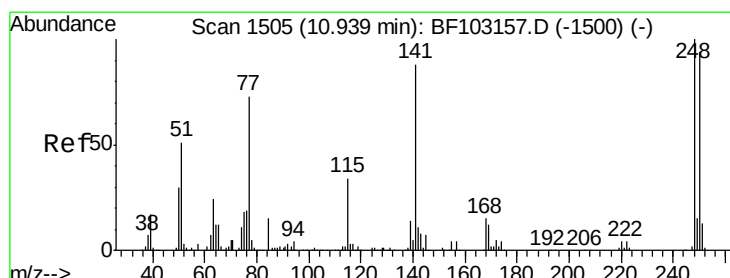
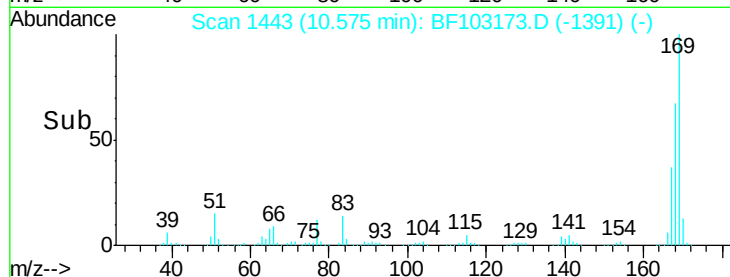
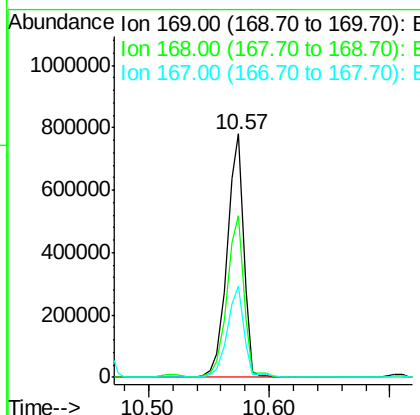
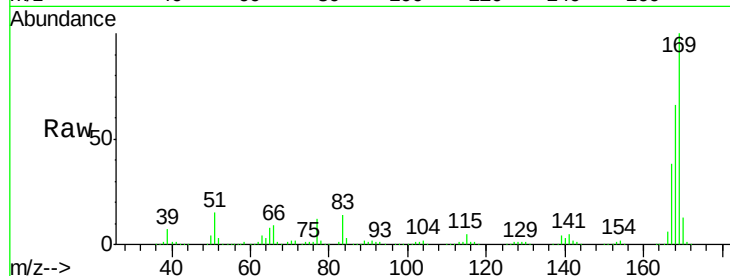
#65
 n-Nitrosodiphenylamine
 Concen: 39.052 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
169	100		
168	66.5	54.4	81.6
167	37.5	29.8	44.6

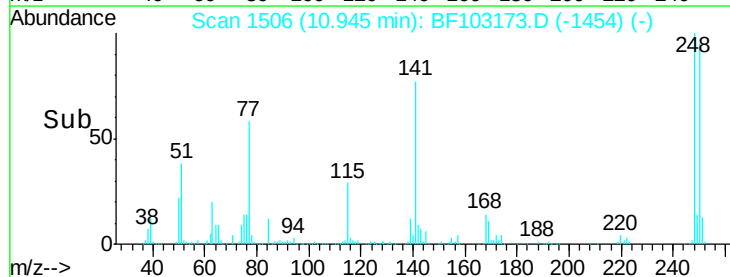
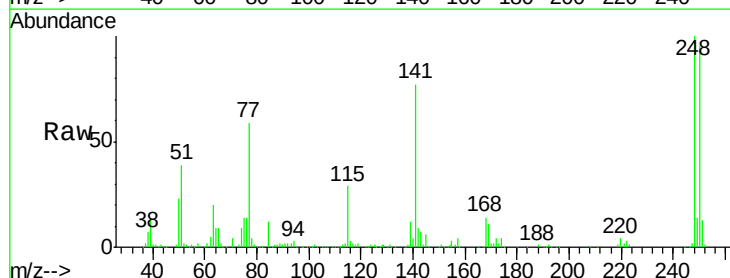
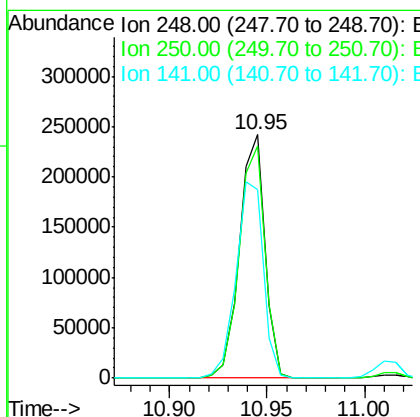
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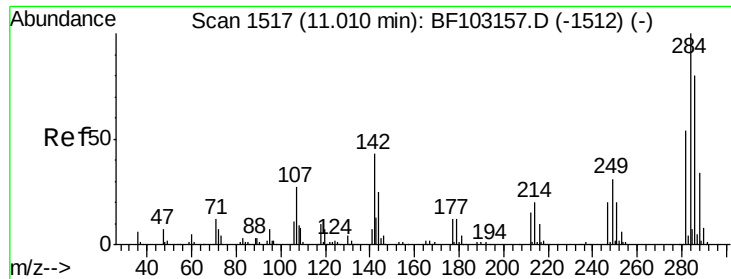
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#66
 4-Bromophenyl-phenylether
 Concen: 38.385 ng
 RT: 10.95 min Scan# 1506
 Delta R.T. 0.01 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.3	76.9	115.3
141	77.3	74.4	111.6





#67

Hexachlorobenzene

Concen: 35.867 ng

RT: 11.02 min Scan# 1518

Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

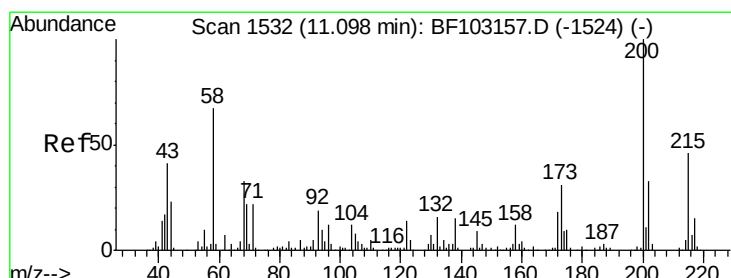
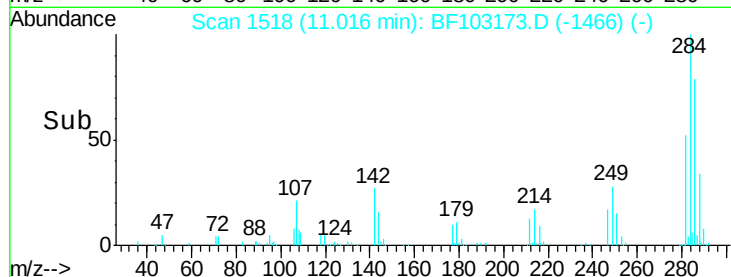
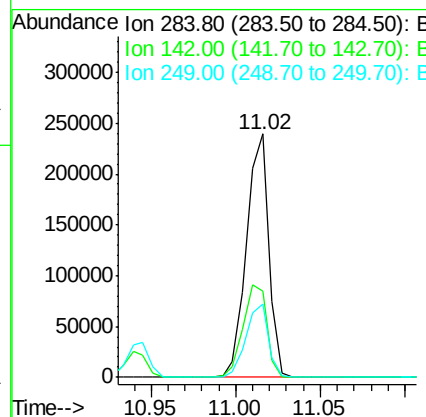
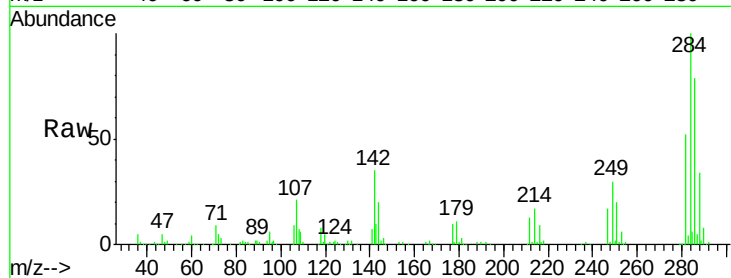
ClientSampleId :

HD-01-022118MSD

Tot Ion:	284	Resp:	221900
Ion Ratio	Lower	Upper	
284	100		
142	35.2	34.6	52.0
249	30.2	24.8	37.2

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#68

Atrazine

Concen: 36.199 ng

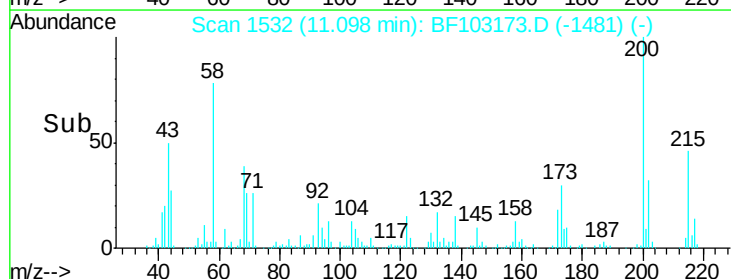
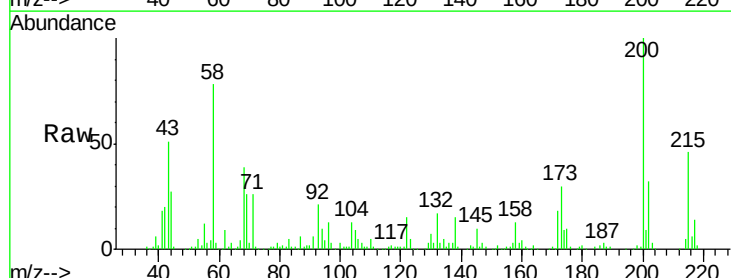
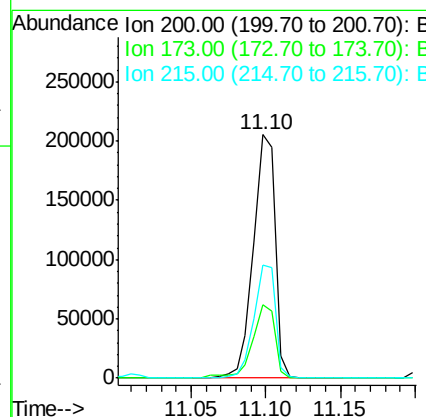
RT: 11.10 min Scan# 1532

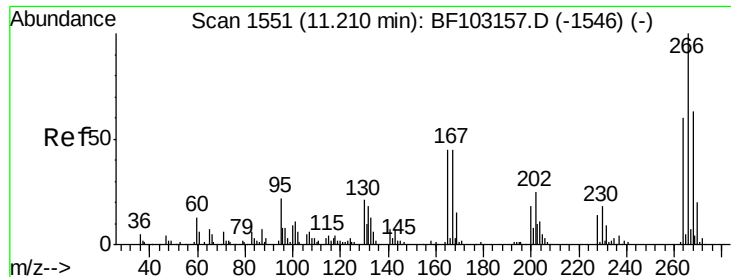
Delta R.T. 0.00 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Tgt Ion:	200	Resp:	207289
Ion Ratio	Lower	Upper	
200	100		
173	30.1	8.6	48.6
215	46.2	25.1	65.1





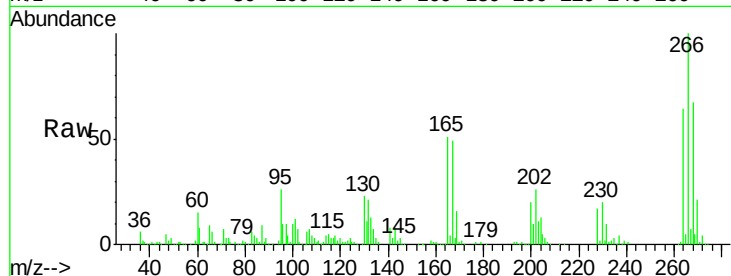
#69
 Pentachlorophenol
 Concen: 60.639 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. 0.00 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	67.2	51.1	76.7
264	64.3	49.5	74.3

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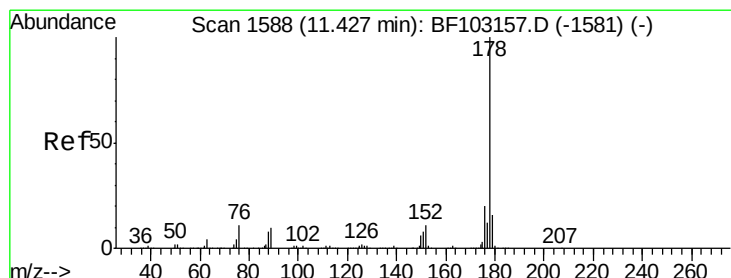
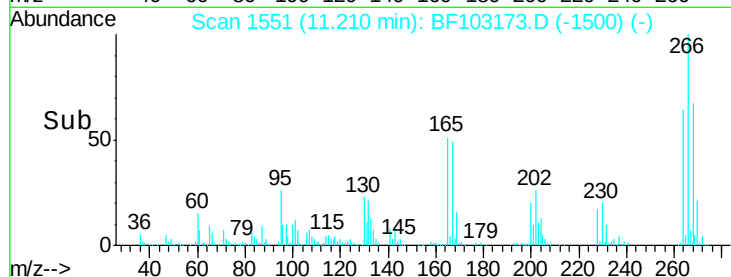
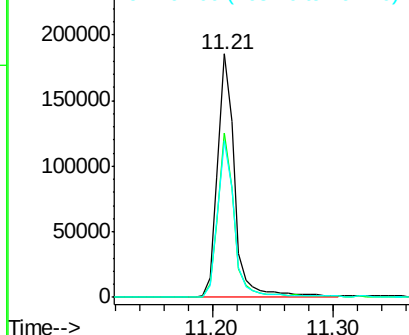


Abundance

Ion 265.70 (265.40 to 266.40): E

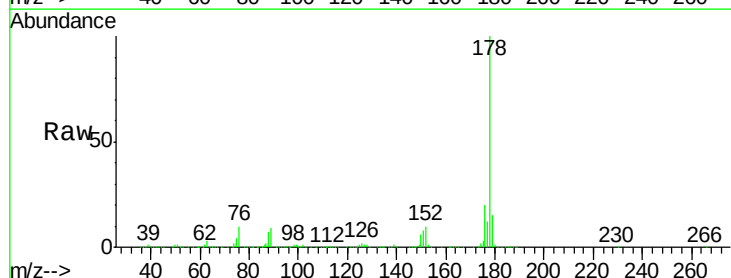
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70
 Phenanthrene
 Concen: 33.541 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.01 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.4	13.0	19.6

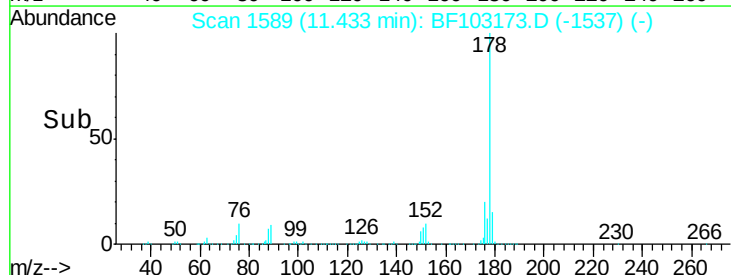
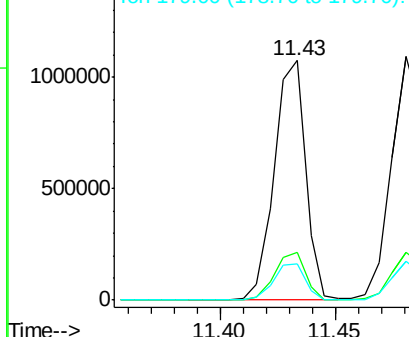


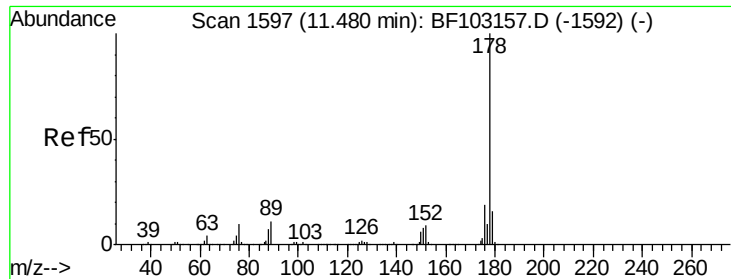
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





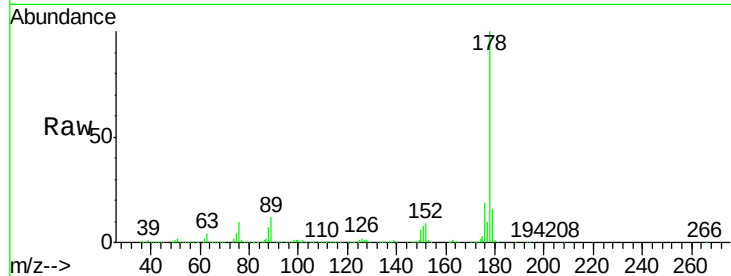
#71
 Anthracene
 Concen: 34.172 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118MSD

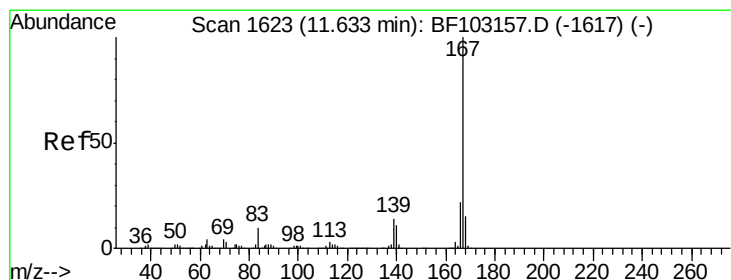
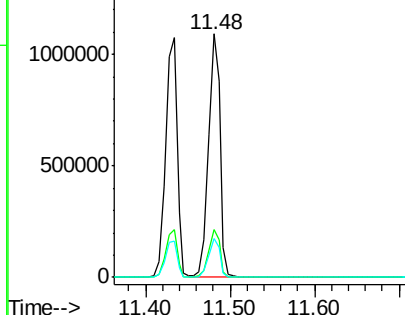
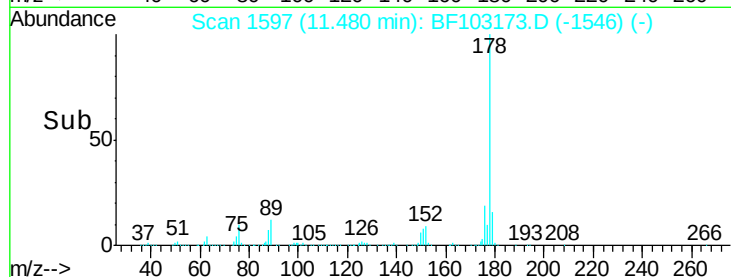
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	16.0	12.6	19.0

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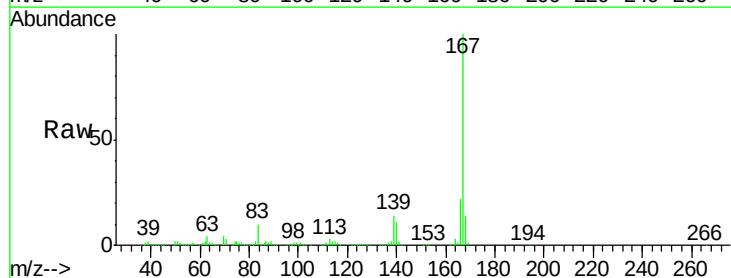


Abundance Ion 178.00 (177.70 to 178.70): E
 1500000
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

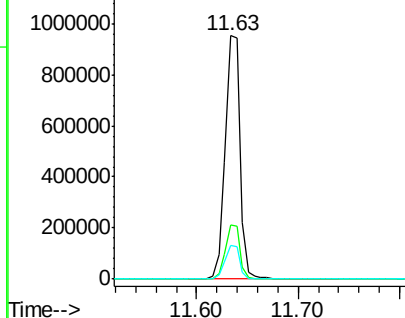
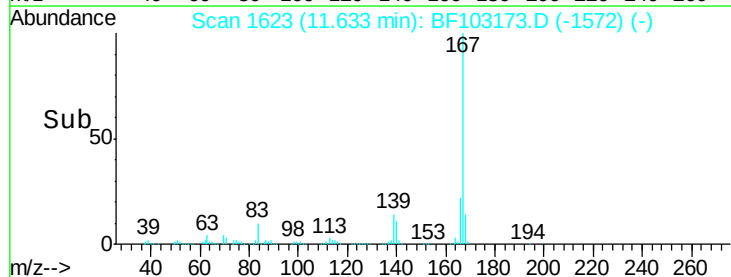


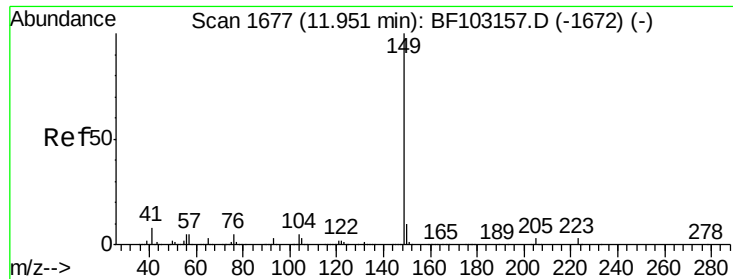
#72
 Carbazole
 Concen: 31.722 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	13.9	10.9	16.3



Abundance Ion 167.00 (166.70 to 167.70): E
 1200000
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 35.337 ng

RT: 11.96 min Scan# 1678

Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

ClientSampleId :

HD-01-022118MSD

Tot Ion:149 Resp: 1359662

Ion Ratio Lower Upper

149 100

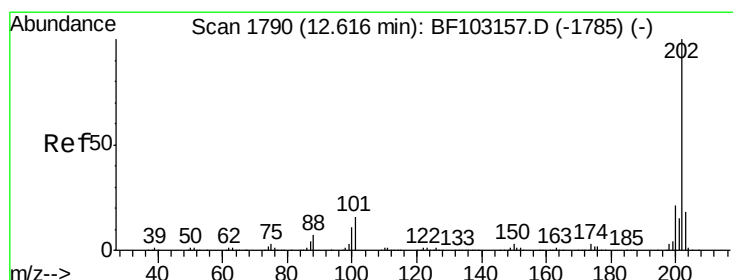
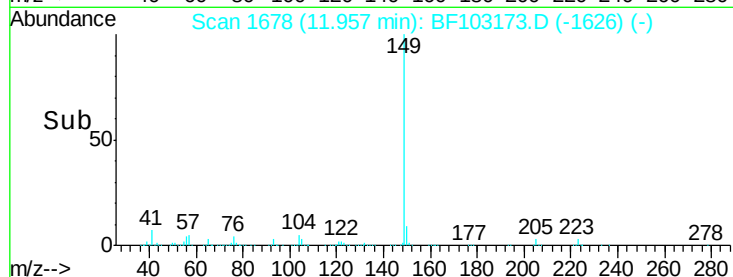
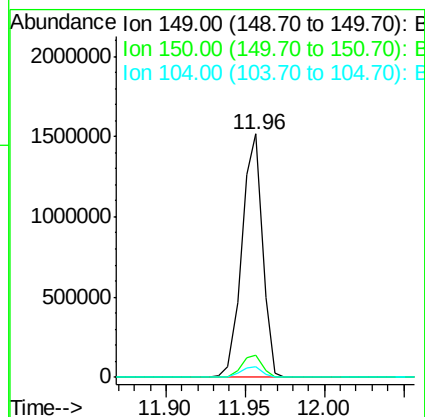
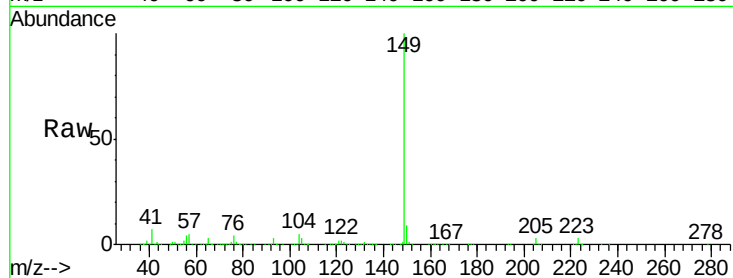
150 9.3 7.8 11.6

104 4.6 3.8 5.8

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#74

Fluoranthene

Concen: 29.634 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

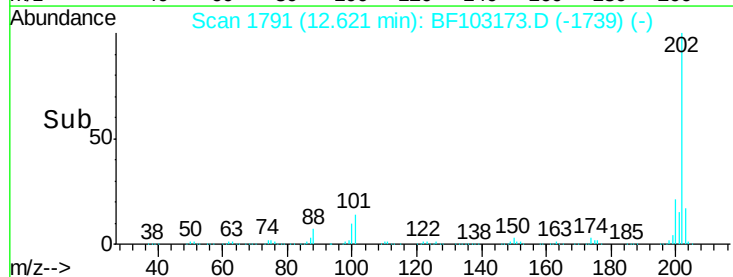
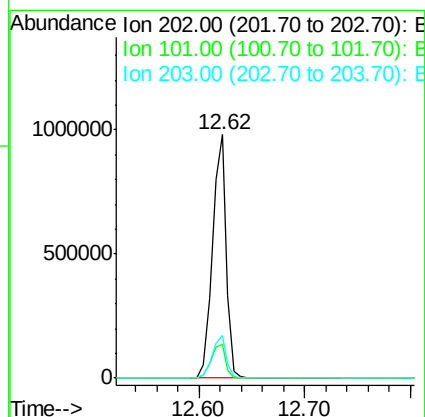
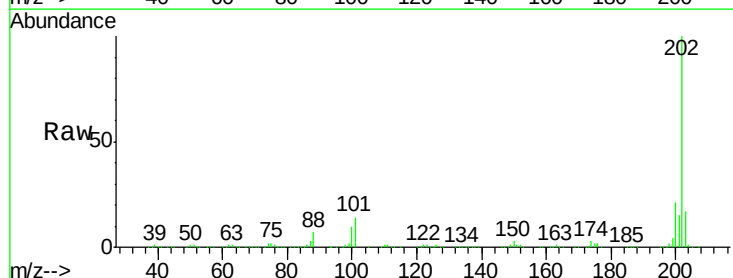
Tgt Ion:202 Resp: 896719

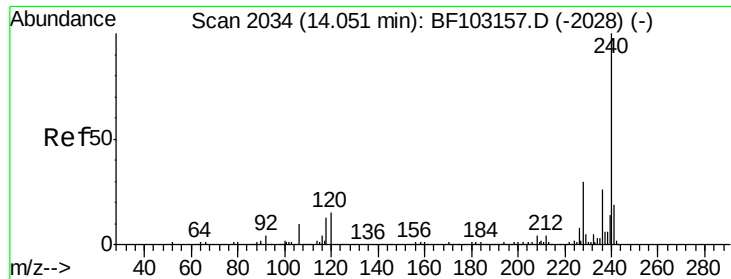
Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.1

203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 40.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

ClientSampleId :

HD-01-022118MSD

Tot Ion:240 Resp: 696537

Ion Ratio Lower Upper

240 100

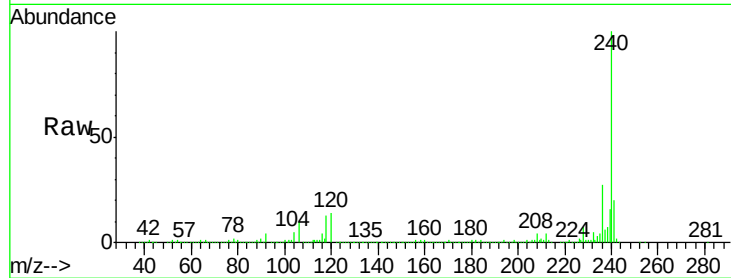
120 14.4 9.5 14.3#

236 27.0 20.7 31.1

Manual Integrations
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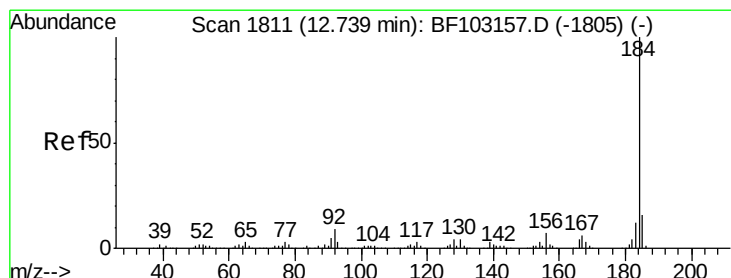
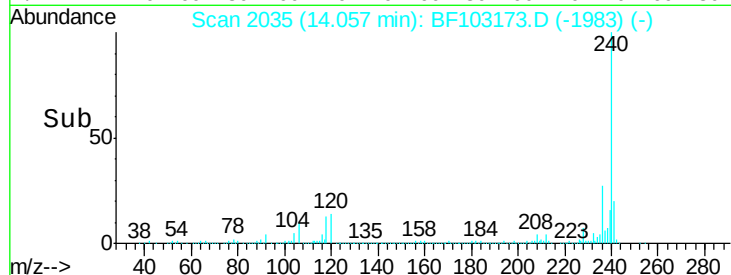
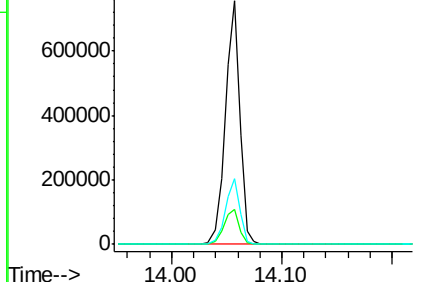
2/23/2018 10:20:49 AM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 14.679 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.00 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

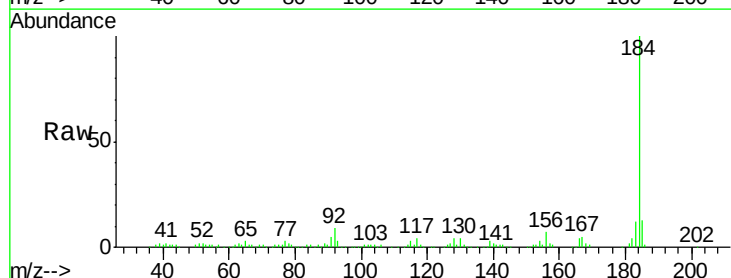
Tgt Ion:184 Resp: 191122

Ion Ratio Lower Upper

184 100

185 13.0 12.6 18.8

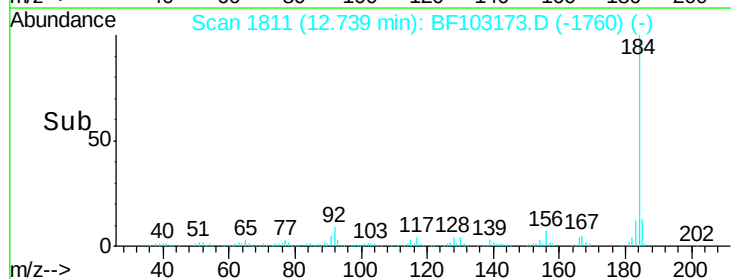
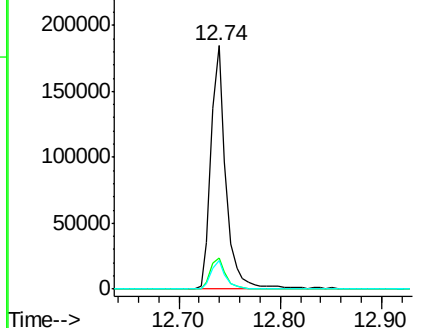
183 11.6 9.3 13.9

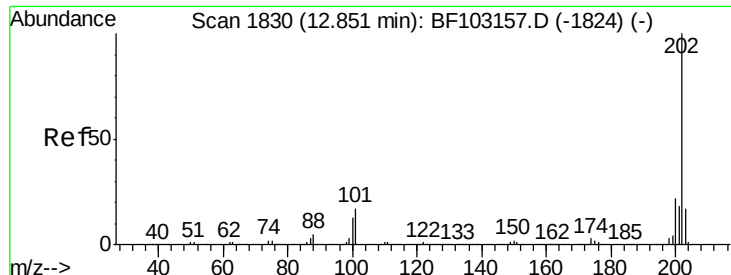


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





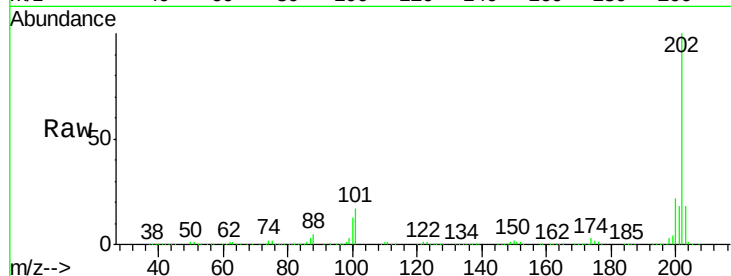
#77
Pvrene
Concen: 32.770 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.00 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Instrument :
BNA_F
ClientSampleId :
HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.7	14.3	21.5

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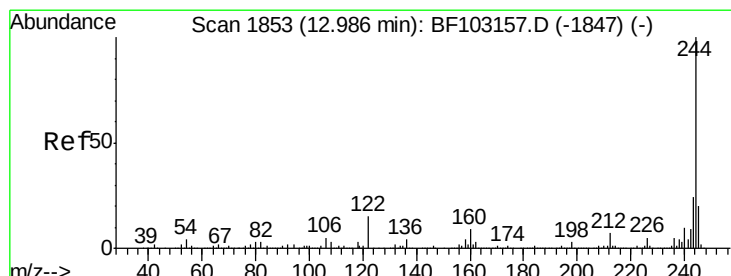
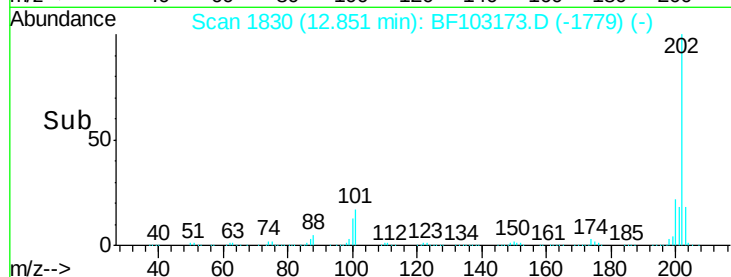
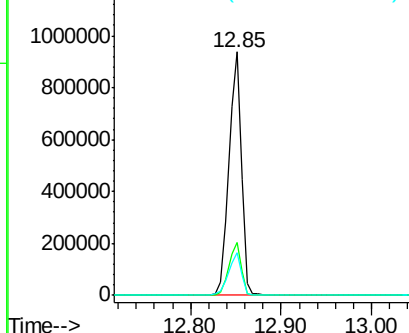


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 69.256 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

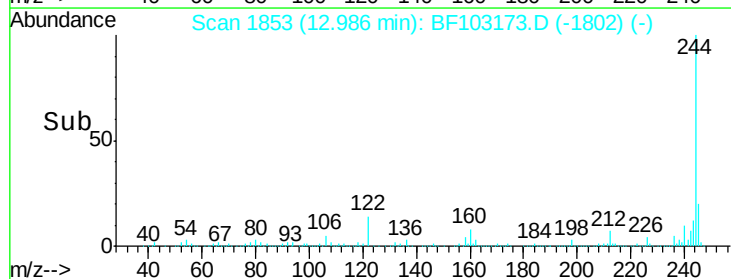
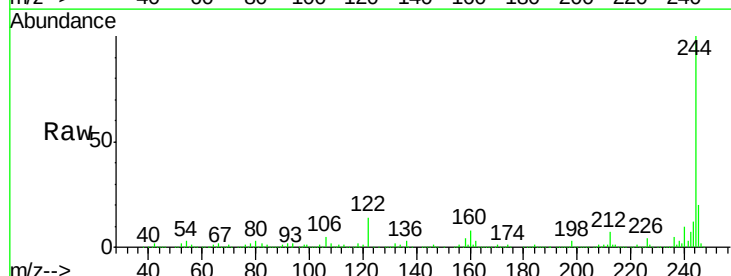
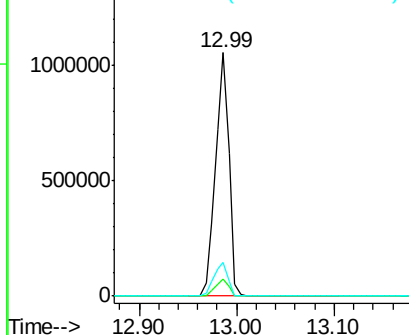
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.9	11.0	16.4

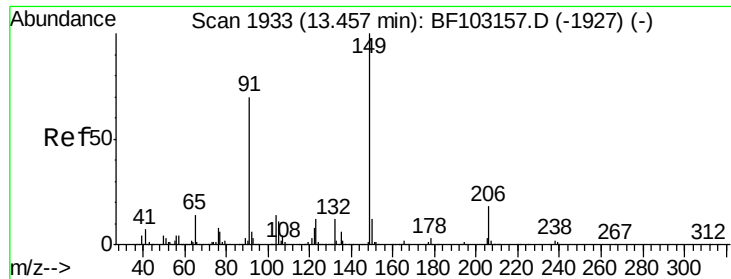
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





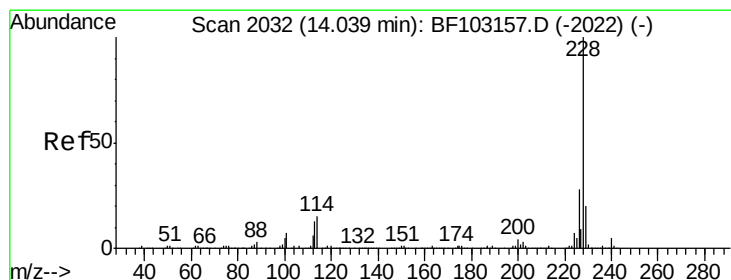
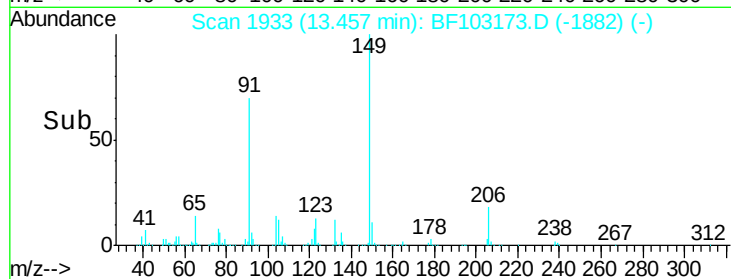
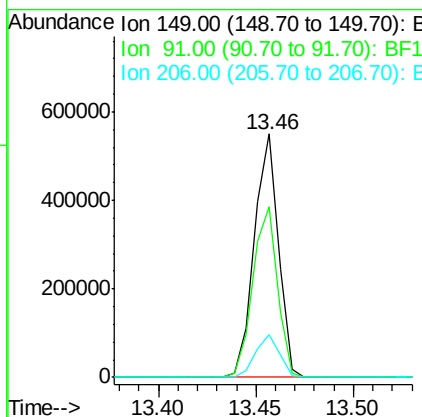
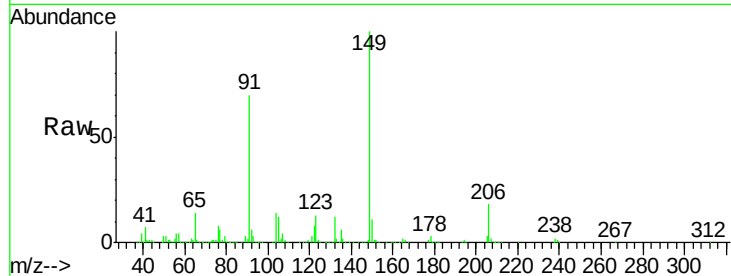
#79
Butylbenzylphthalate
Concen: 32.847 ng
RT: 13.46 min Scan# 1933
Delta R.T. 0.00 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Instrument :
BNA_F
ClientSampleId :
HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	70.0	56.8	85.2
206	17.7	14.1	21.1

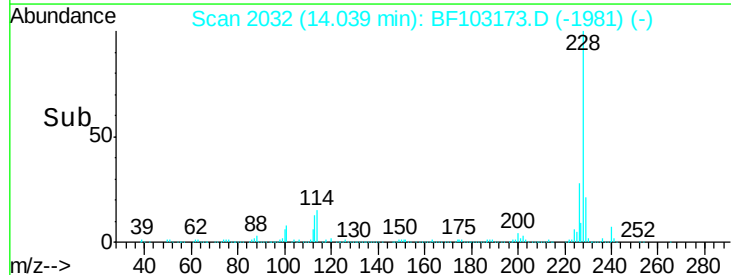
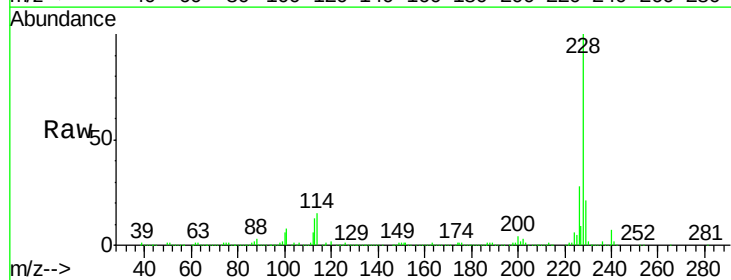
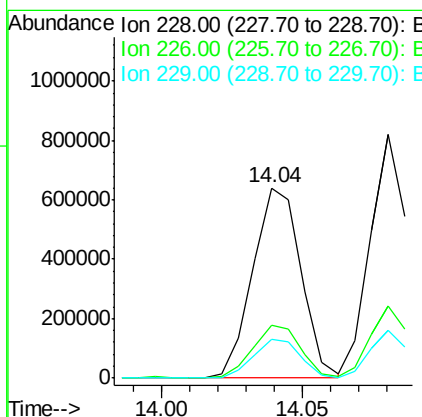
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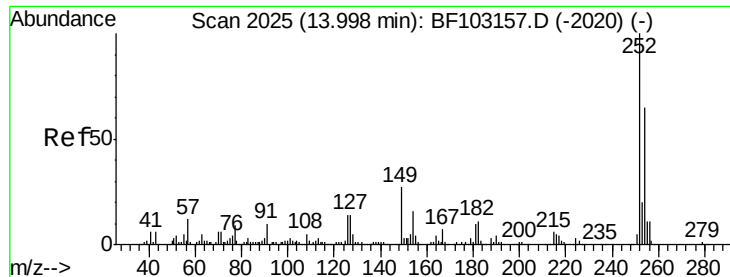
Sohil
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#80
Benzo(a)anthracene
Concen: 33.549 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	20.6	15.8	23.6





#81

3,3'-Dichlorobenzidine

Concen: 24.186 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

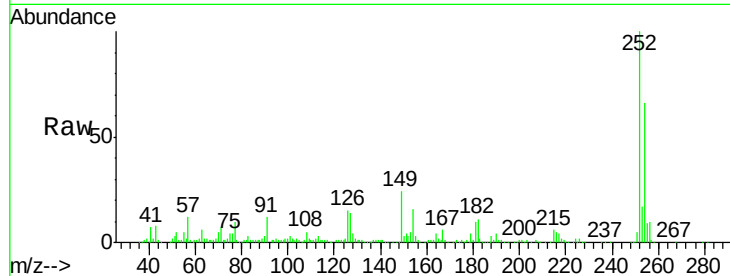
ClientSampleId :

HD-01-022118MSD

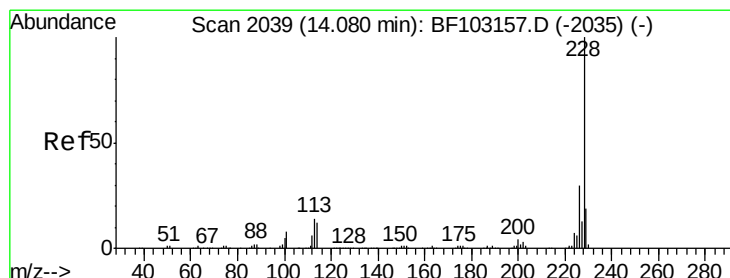
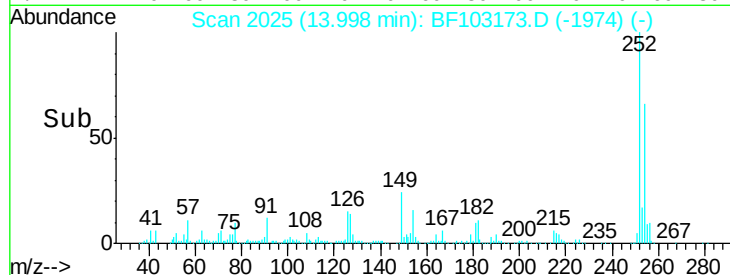
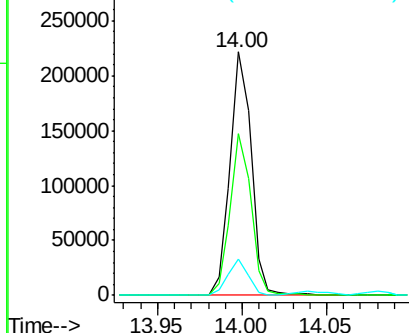
Tot Ion:	252	Resp:	195042
Ion Ratio		Lower	Upper
252	100		
254	66.2	50.4	75.6
126	15.0	11.3	16.9

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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: 33.547 ng

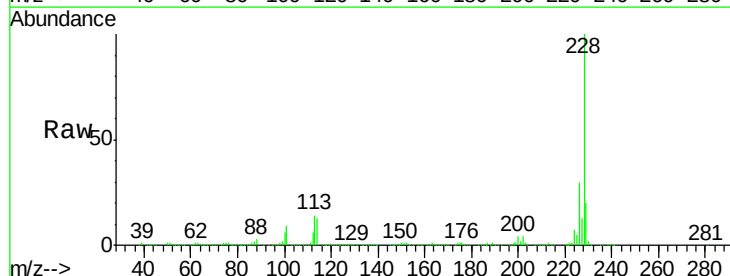
RT: 14.08 min Scan# 2039

Delta R.T. 0.00 min

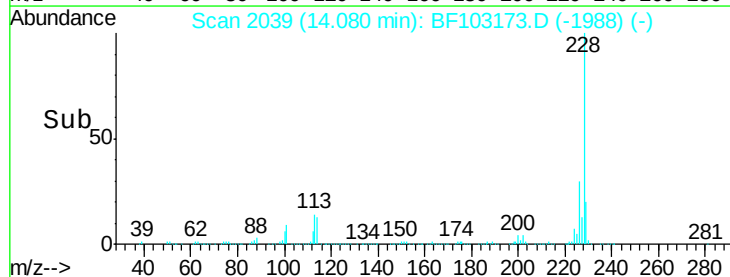
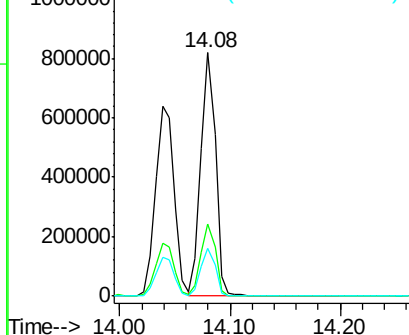
Lab File: BF103173.D

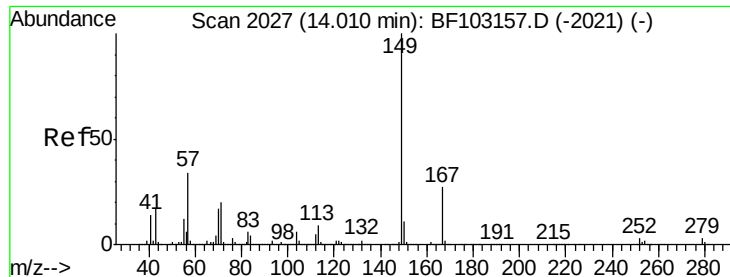
Acq: 22 Feb 2018 20:08

Tgt Ion:	228	Resp:	736061
Ion Ratio		Lower	Upper
228	100		
226	29.8	25.0	37.6
229	19.7	16.2	24.4



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





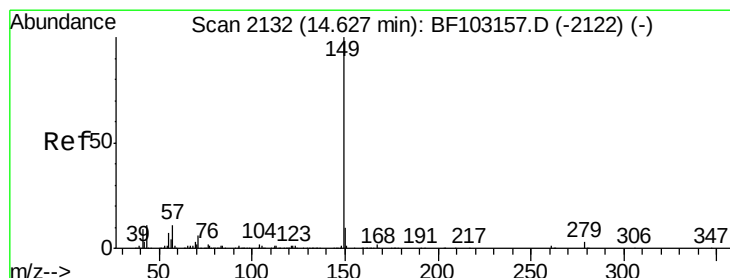
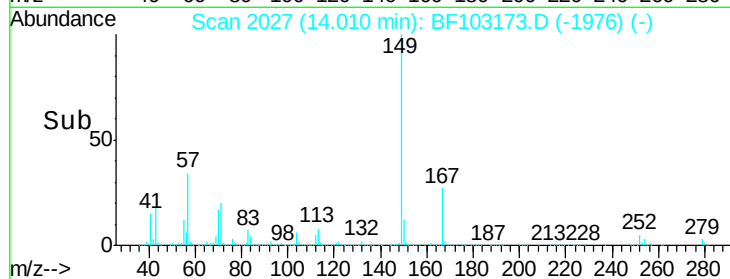
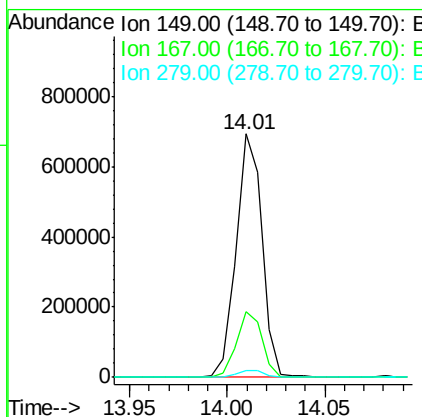
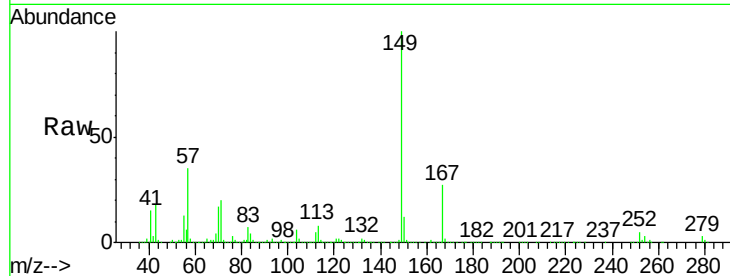
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 32.899 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.3	31.9
279	2.7	3.0	4.4

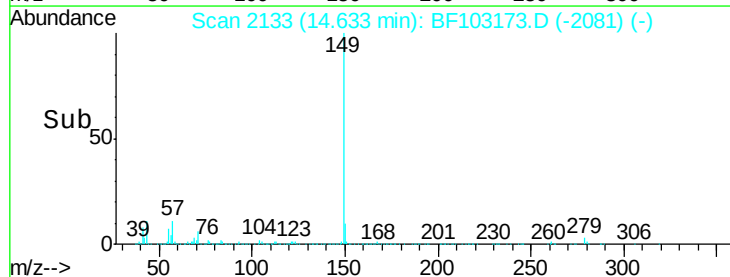
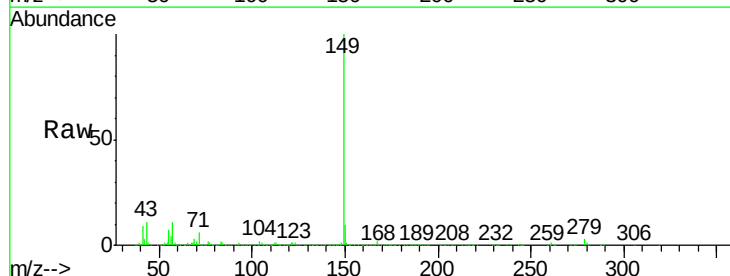
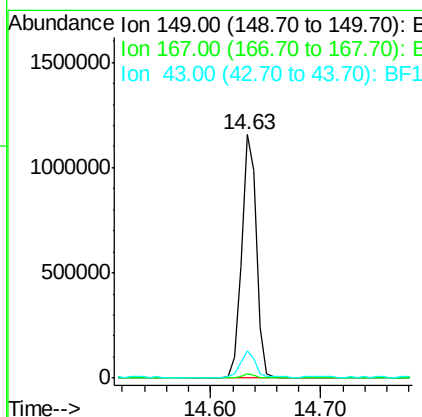
Manual Integrations
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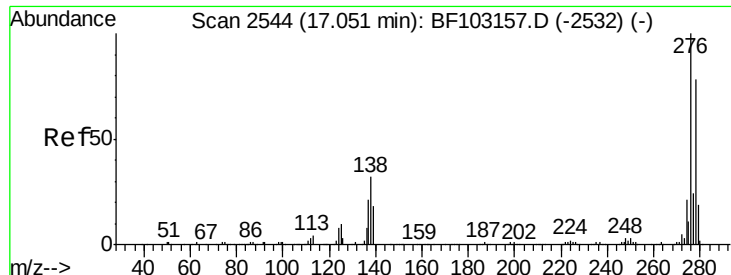
Sohil
 2/23/2018 10:20:49 AM



#84
 Di-n-octyl phthalate
 Concen: 34.543 ng
 RT: 14.63 min Scan# 2133
 Delta R.T. 0.01 min
 Lab File: BF103173.D
 Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.8	8.4	12.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 35.574 ng

RT: 17.06 min Scan# 2546

Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

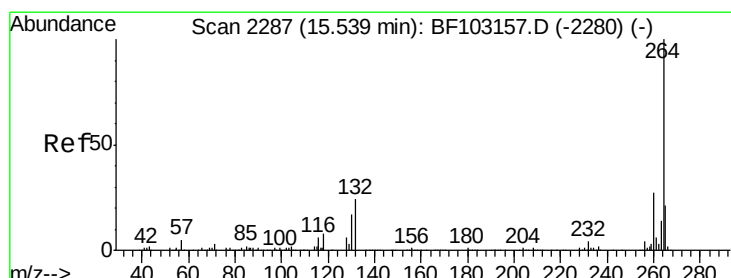
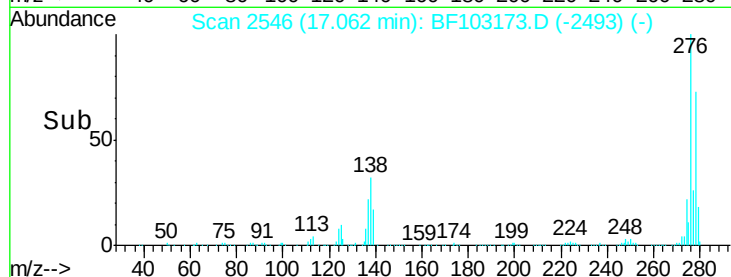
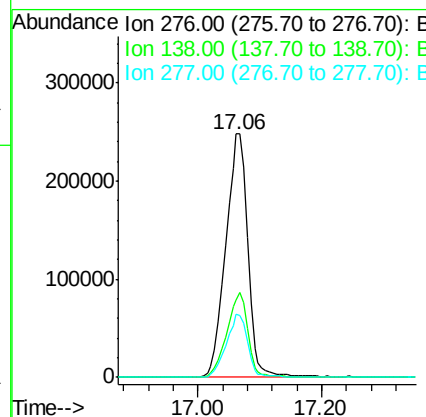
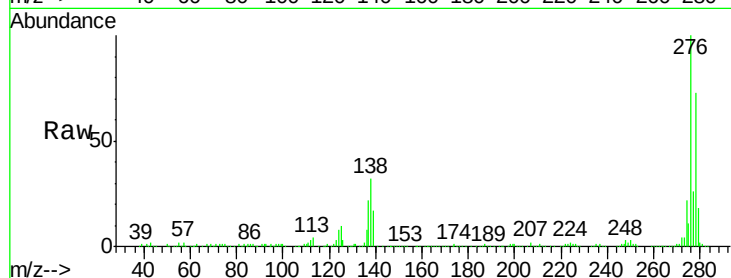
ClientSampleId :

HD-01-022118MSD

Tot Ion:	276	Resp:	617931
Ion Ratio		Lower	Upper
276	100		
138	33.2	25.0	37.6
277	25.2	20.1	30.1

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#86

Perylene-d12

Concen: 40.000 ng

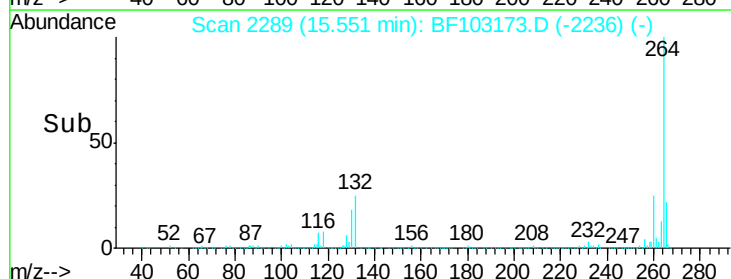
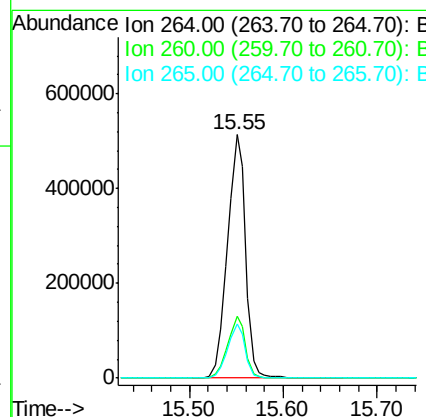
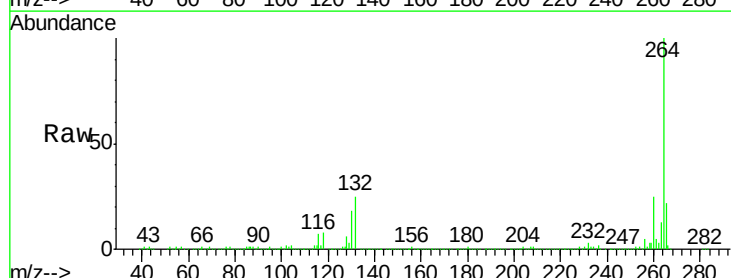
RT: 15.55 min Scan# 2289

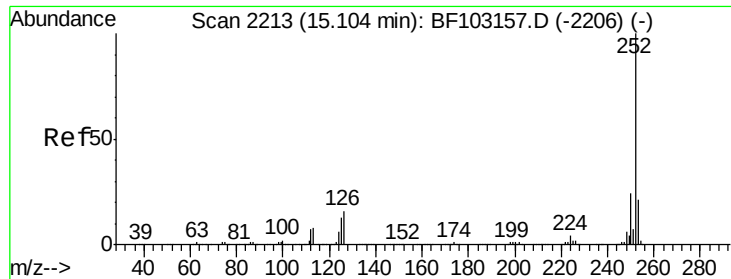
Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Tgt Ion:	264	Resp:	689884
Ion Ratio		Lower	Upper
264	100		
260	25.3	19.2	28.8
265	22.2	17.5	26.3





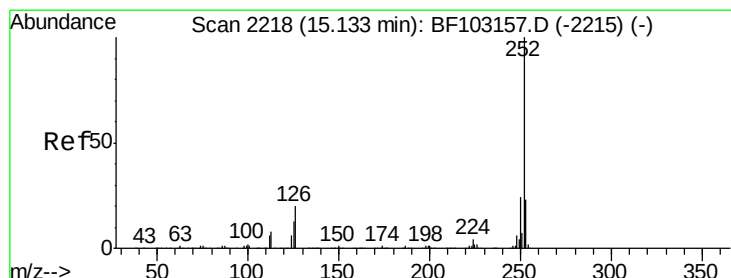
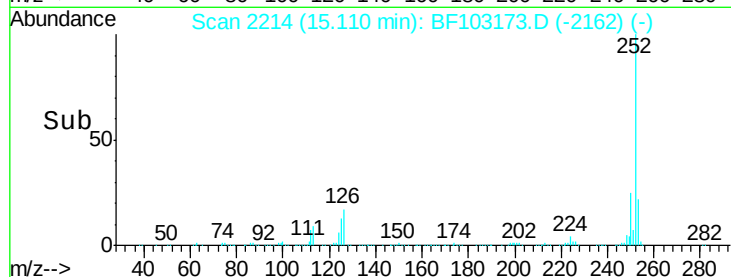
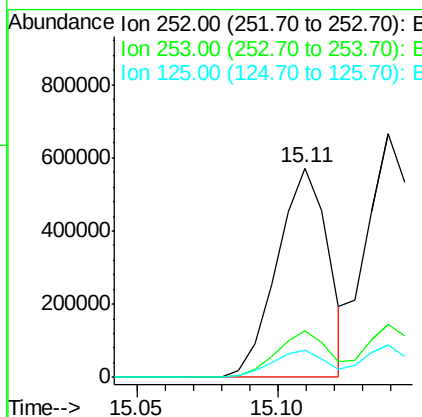
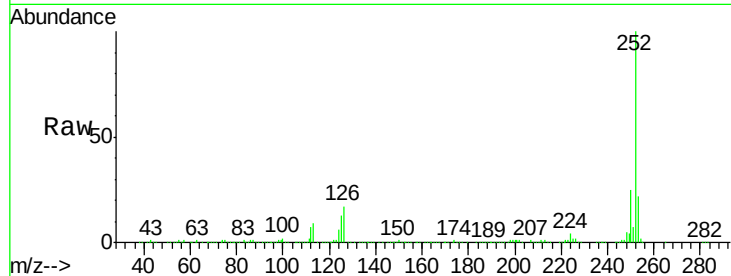
#87
Benzo(b)fluoranthene
Concen: 31.815 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Instrument :
BNA_F
ClientSampleId :
HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	13.0	9.0	13.6

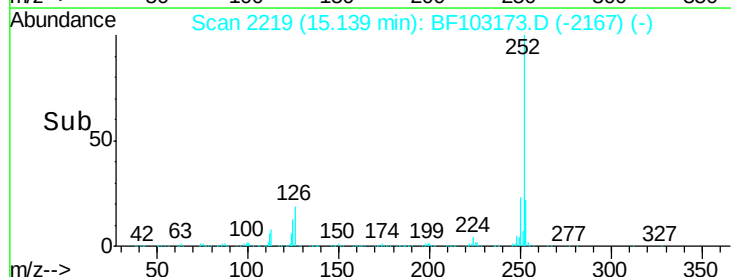
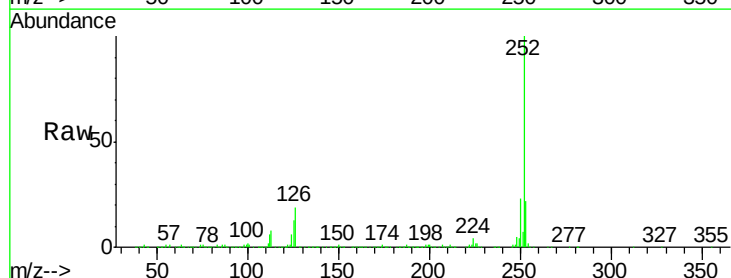
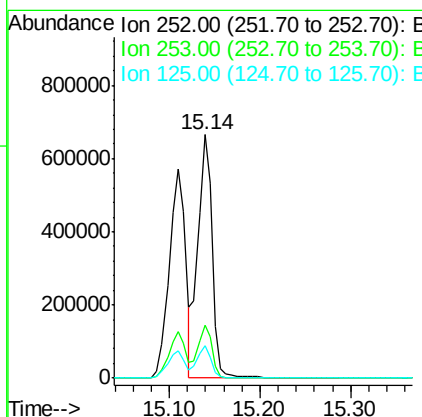
Manual Integrations
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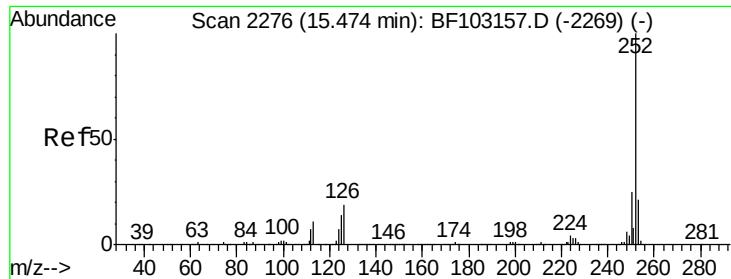
Sohil
2/23/2018 10:20:49 AM



#88
Benzo(k)fluoranthene
Concen: 34.258 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.9	26.9
125	13.1	10.2	15.2





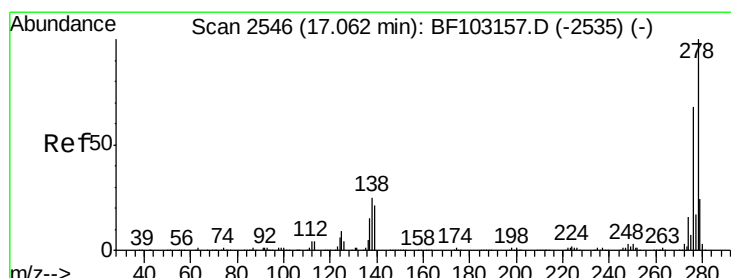
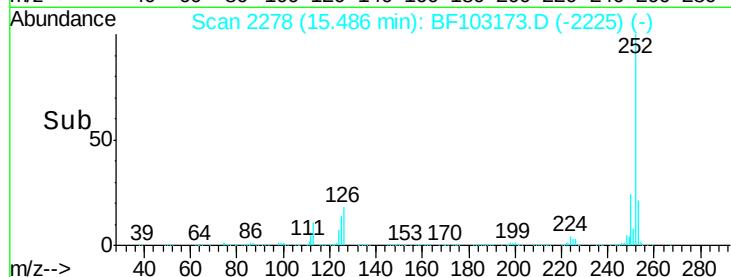
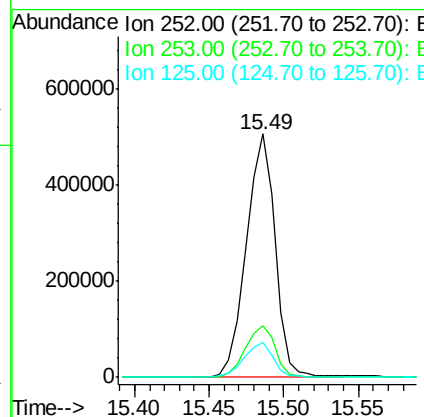
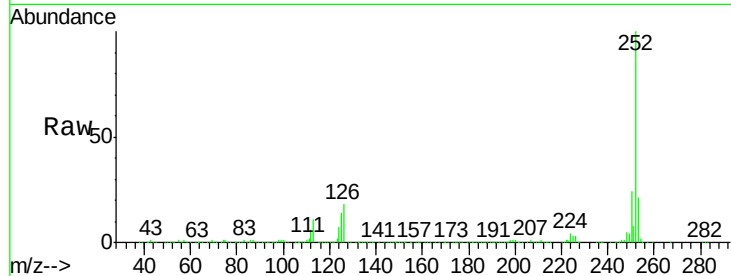
#89
Benzo(a)pyrene
Concen: 33.306 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Instrument :
BNA_F
ClientSampleId :
HD-01-022118MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.1	25.7
125	14.3	9.8	14.6

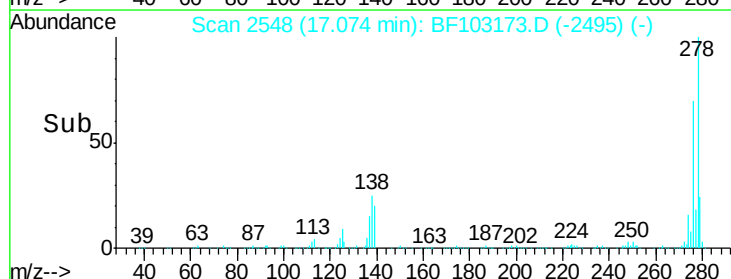
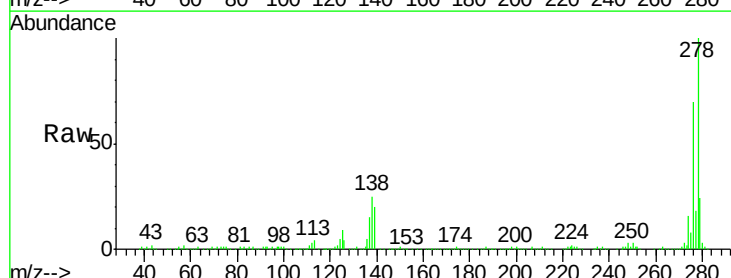
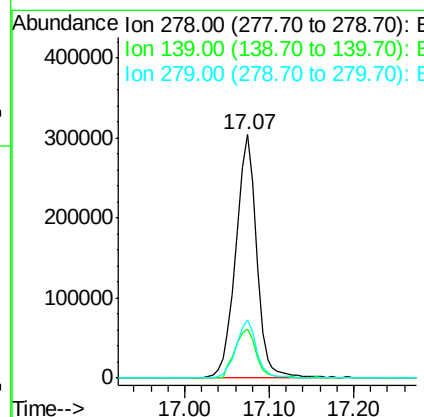
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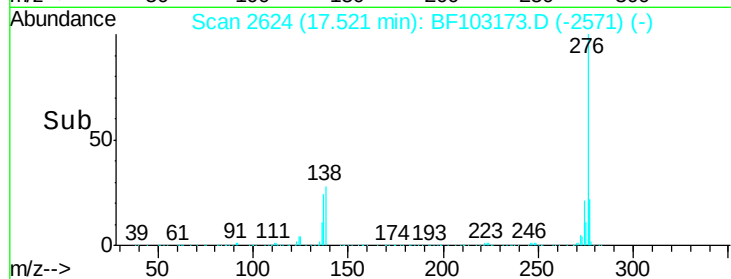
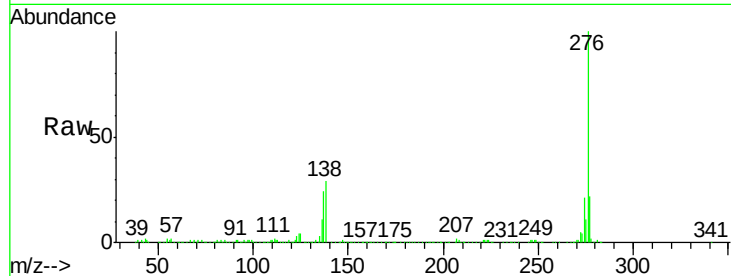
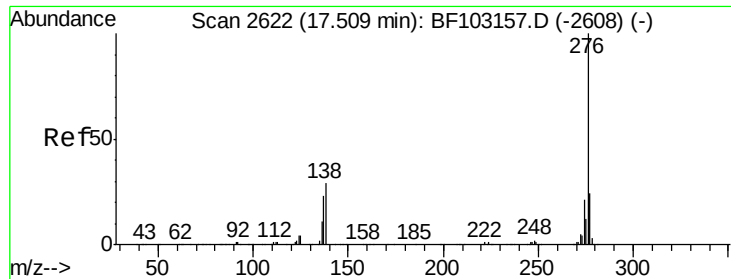
Sohil
2/23/2018 10:20:49 AM



#90
Dibenzo(a,h)anthracene
Concen: 33.076 ng
RT: 17.07 min Scan# 2548
Delta R.T. 0.01 min
Lab File: BF103173.D
Acq: 22 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.1	15.9	23.9
279	23.7	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 32.736 ng

RT: 17.52 min Scan# 2624

Delta R.T. 0.01 min

Lab File: BF103173.D

Acq: 22 Feb 2018 20:08

Instrument :

BNA_F

ClientSampleId :

HD-01-022118MSD

Tot Ion:	276	Resp:	500694
Ion Ratio	Lower	Upper	
276	100		
277	22.4	17.9	26.9
138	28.6	21.8	32.8

Manual Integrations
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