

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022218\
 Data File : BF103167.D
 Acq On : 22 Feb 2018 17:30
 Operator : SJ/JU
 Sample : J1396-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118

Manual Integrations
 APPROVED

Sohil
 2/23/2018 10:20:41 AM

Quant Time: Feb 23 08:41:24 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	155903	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	626009	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	241561	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	350531	20.00	ng	0.00
75) Chrysene-d12	14.04	240	280554	20.00	ng	0.00
86) Perylene-d12	15.55	264	210584	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	893856	86.71	ng	0.00
7) Phenol-d6	6.50	99	1041480	82.57	ng	0.00
23) Nitrobenzene-d5	7.43	82	665196	60.68	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	155222	75.92	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1003778	68.26	ng	0.00
78) Terphenyl-d14	12.98	244	697852	59.79	ng	0.00

Target Compounds

						Qvalue
3) Pyridine	3.47	79	119	0.008	ng	# 21
4) n-Nitrosodimethylamine	3.36	42	115	0.020	ng	# 1
6) Aniline	6.51	93	114	0.006	ng	# 1
8) 2-Chlorophenol	6.65	128	241	0.023	ng	# 1
9) Benzaldehyde	6.64	77	18341	1.384	ng	81
10) Phenol	6.52	94	6942	0.474	ng	78
11) bis(2-Chloroethyl)ether	6.64	93	1230	0.111	ng	# 1
12) 1,3-Dichlorobenzene	7.03	146	234	0.019	ng	# 1
13) 1,4-Dichlorobenzene	7.03	146	234	0.019	ng	# 1
14) 1,2-Dichlorobenzene	7.03	146	234	0.021	ng	# 1
15) Benzyl Alcohol	7.03	79	11517	1.212	ng	# 31
16) 2,2'-oxybis(1-Chloropropan	7.14	45	1232	0.065	ng	70
18) Hexachloroethane	7.40	117	125	0.028	ng	# 1
22) Acetophenone	7.26	105	686	0.047	ng	# 40
24) Nitrobenzene	7.43	77	1725	0.143	ng	# 19
28) bis(2-Chloroethoxy)methane	8.03	93	468	0.037	ng	# 1
31) Naphthalene	8.17	128	2635	0.086	ng	# 92
33) 4-Chloroaniline	8.17	127	343	0.026	ng	# 35
35) Caprolactam	8.56	113	292	0.100	ng	# 1
36) 4-Chloro-3-methylphenol	8.76	107	748	0.080	ng	# 20
37) 2-Methylnaphthalene	8.86	142	3064	0.155	ng	90
45) 1,1'-Biphenyl	9.33	154	3628	0.179	ng	93
46) 2-Chloronaphthalene	9.45	162	108	0.007	ng	# 37
47) 2-Nitroaniline	9.46	65	337	0.057	ng	# 29
48) Acenaphthylene	9.77	152	2745	0.111	ng	# 87
49) Dimethylphthalate	9.62	163	87211	4.500	ng	99
50) 2,6-Dinitrotoluene	9.62	165	1113	0.274	ng	# 1
51) Acenaphthene	9.94	154	1276	0.089	ng	87
52) 3-Nitroaniline	9.90	138	122	0.024	ng	# 1
54) Dibenzofuran	10.12	168	1632	0.083	ng	# 89
55) 4-Nitrophenol	10.06	139	280	0.088	ng	# 42
56) 2,4-Dinitrotoluene	10.19	165	1096	0.213	ng	# 21
57) Fluorene	10.46	166	3945	0.235	ng	# 80
59) Diethylphthalate	10.32	149	36101	1.948	ng	96

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Manual Integrations
 APPROVED

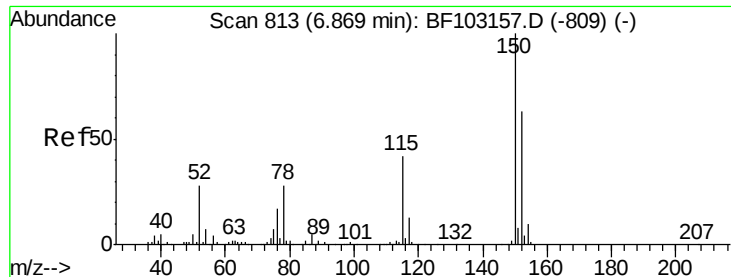
Sohil
 2/23/2018 10:20:41 AM

Quant Time: Feb 23 08:41:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

60) 4-Chlorophenyl-phenylether	10.26	204	122	0.017	nq	# 24
61) 4-Nitroaniline	10.57	138	106	0.021	nq	# 29
62) Azobenzene	10.62	77	603	0.032	nq	# 10
65) n-Nitrosodiphenylamine	10.57	169	664	0.054	nq	# 40
70) Phenanthrene	11.42	178	23702	1.229	nq	97
71) Anthracene	11.42	178	23702	1.198	nq	97
72) Carbazole	11.63	167	2772	0.141	nq	# 74
73) Di-n-butylphthalate	11.95	149	4598	0.187	nq	# 91
74) Fluoranthene	12.62	202	25525	1.317	nq	96
76) Benzydine	12.74	184	366	0.035	nq	# 1
77) Pyrene	12.62	202	25525	1.167	nq	96
79) Butylbenzylphthalate	13.46	149	2121	0.184	nq	# 45
80) Benzo(a)anthracene	14.03	228	17848	0.980	nq	# 64
81) 3,3'-Dichlorobenzidine	14.00	252	1389	0.214	nq	# 71
82) Chrysene	14.07	228	23107	1.307	nq	# 76
83) Bis(2-ethylhexyl)phthalate	14.01	149	14338	0.919	nq	# 81
84) Di-n-octyl phthalate	14.63	149	13665	0.542	nq	# 1
85) Indeno(1,2,3-cd)pyrene	17.02	276	818	0.058	nq	# 27
87) Benzo(b)fluoranthene	15.11	252	29812m	2.153	nq	
89) Benzo(a)pyrene	15.49	252	20389	1.649	nq	# 11
90) Dibenzo(a,h)anthracene	17.08	278	8054	0.843	nq	# 1
91) Benzo(g,h,i)perylene	17.53	276	14944	1.600	nq	# 65

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



#1

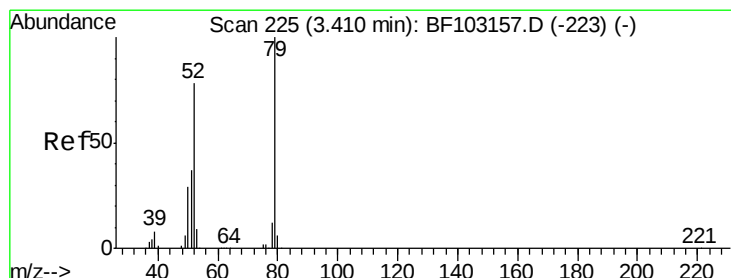
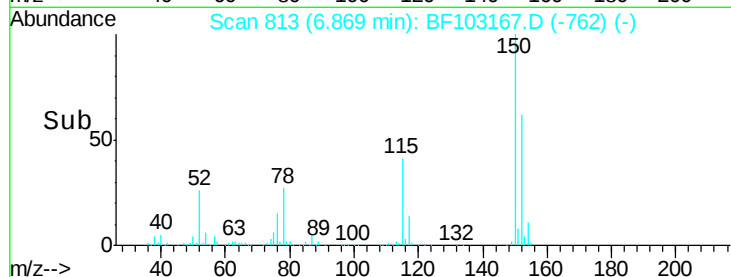
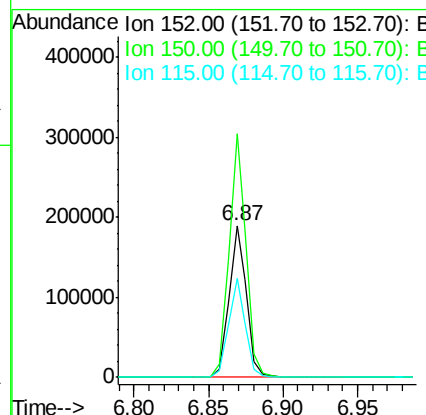
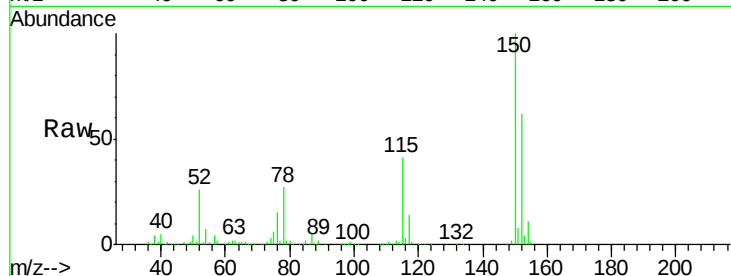
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.6	186.8
115	65.6	50.1	75.1

Manual Integrations
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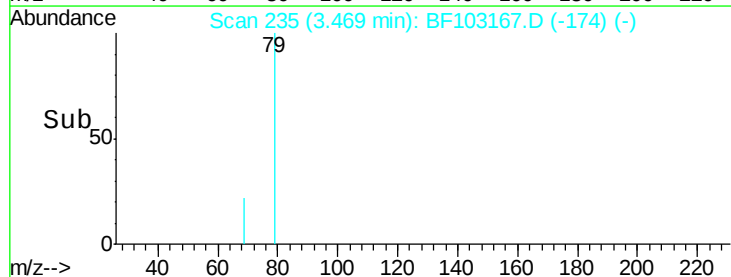
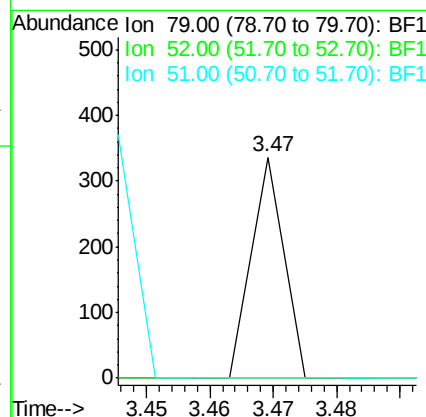
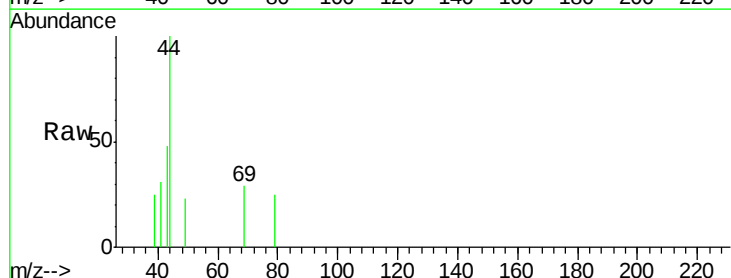
Sohil
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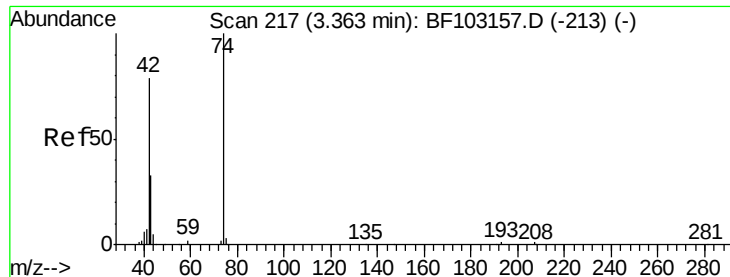


#3

Pyridine
Concen: 0.008 ng
RT: 3.47 min Scan# 235
Delta R.T. 0.06 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Lower	Upper
79	100		
52	0.0	59.8	89.6#
51	0.0	29.8	44.8#





#4

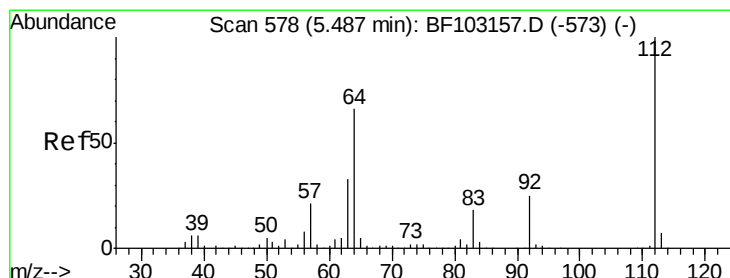
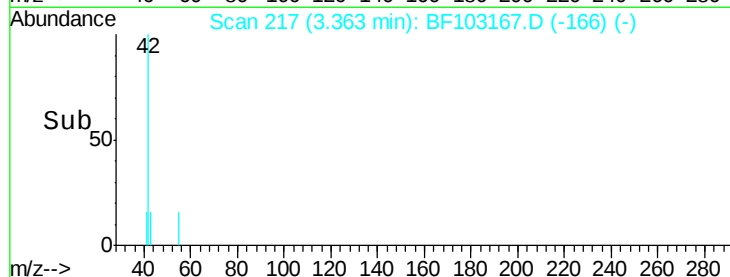
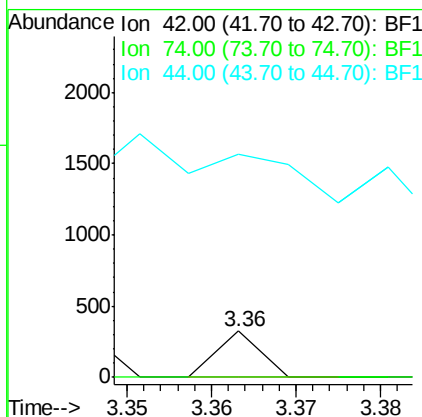
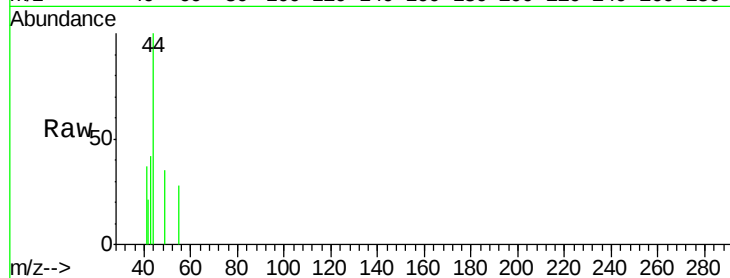
n-Nitrosodimethylamine
 Concen: 0.020 ng
 RT: 3.36 min Scan# 217
 Delta R.T. -0.00 min
 Lab File: BF103167.D
 Acq: 22 Feb 2018 17:30

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118

Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	104.9	157.3#
44	481.8	6.9	10.3#

Manual Integrations
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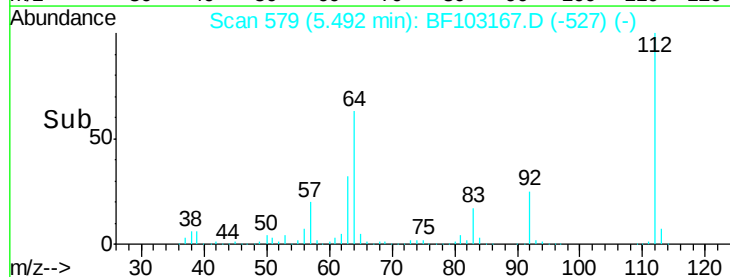
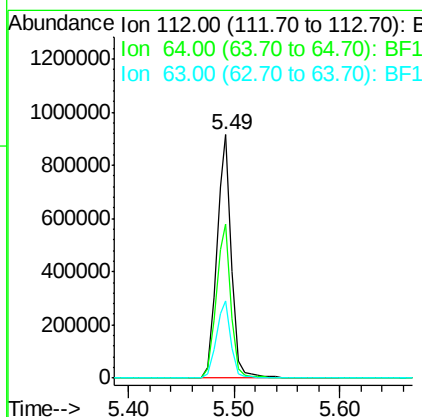
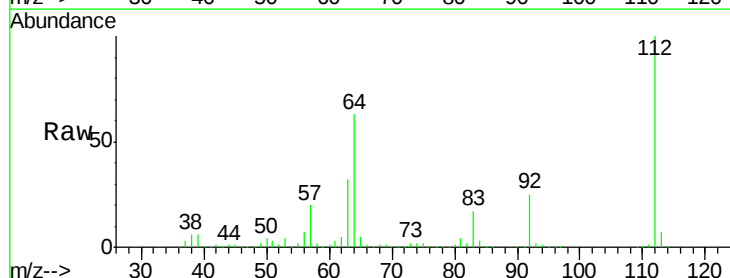
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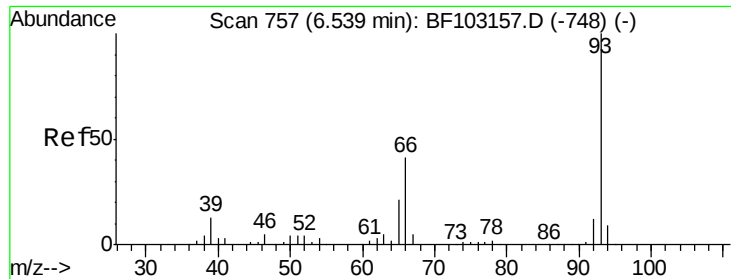


#5

2-Fluorophenol
 Concen: 86.714 ng
 RT: 5.49 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: BF103167.D
 Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.3	47.9	71.9
63	31.9	23.7	35.5





#6

Aniline

Concen: 0.006 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.03 min

Lab File: BF103167.D

Acq: 22 Feb 2018 17:30

Instrument :

BNA_F

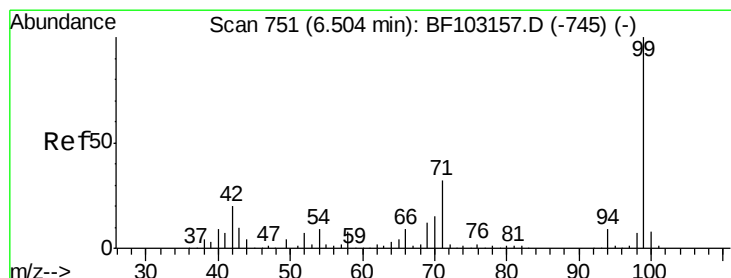
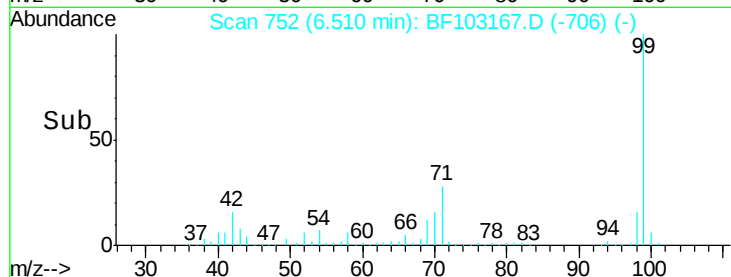
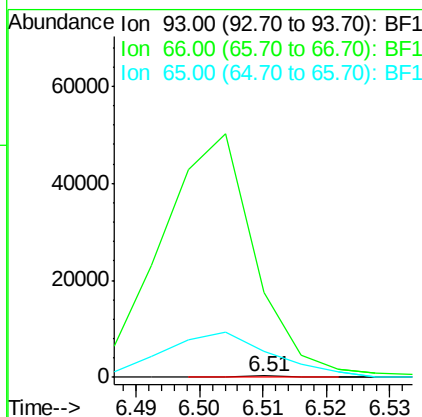
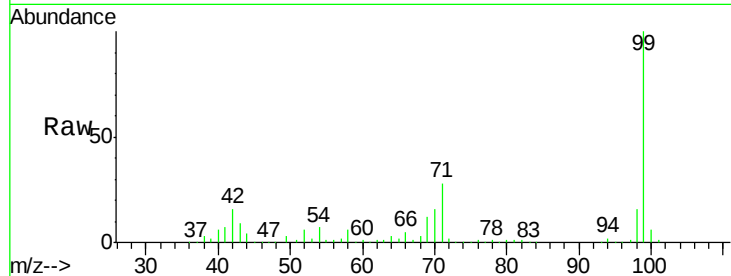
ClientSampleId :

HD-01-022118

Tot Ion	Ion	Ratio	Lower	Upper
93	100			
66	5451.4	32.2	48.2	
65	1689.2	16.4	24.6	

Manual Integrations
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#7

Phenol-d6

Concen: 82.568 ng

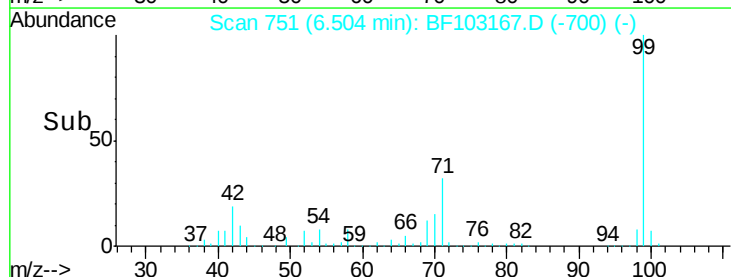
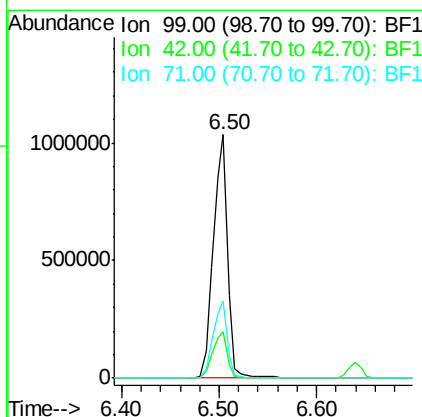
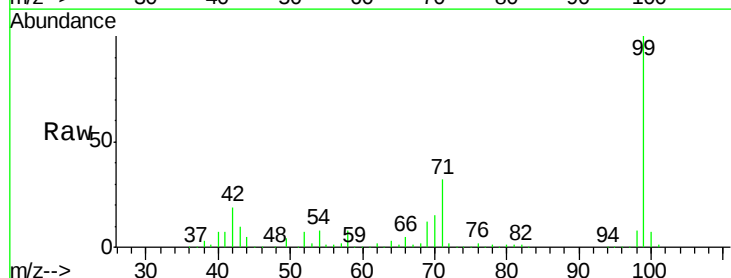
RT: 6.50 min Scan# 751

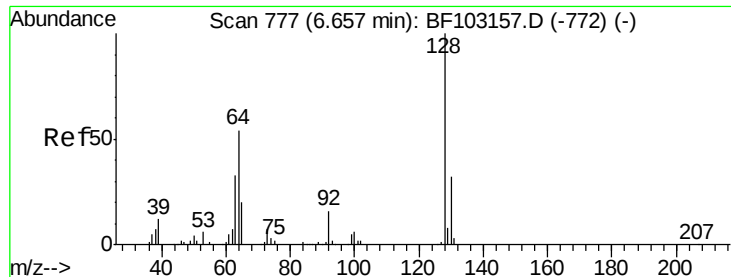
Delta R.T. -0.00 min

Lab File: BF103167.D

Acq: 22 Feb 2018 17:30

Tgt Ion	Ion	Ratio	Lower	Upper
99	100			
42	19.1	14.5	21.7	
71	32.0	25.4	38.0	





#8

2-Chlorophenol

Concen: 0.023 ng

RT: 6.65 min Scan# 776

Delta R.T. -0.01 min

Lab File: BF103167.D

Acq: 22 Feb 2018 17:30

Instrument :

BNA_F

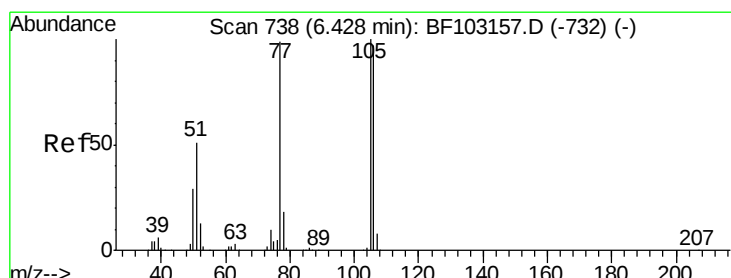
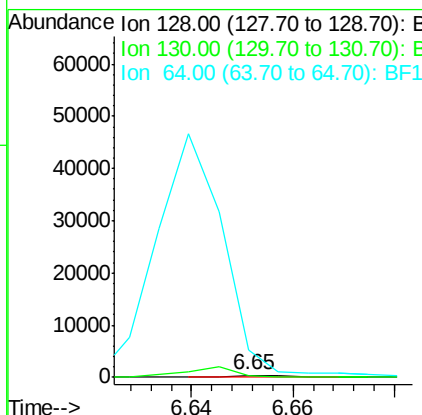
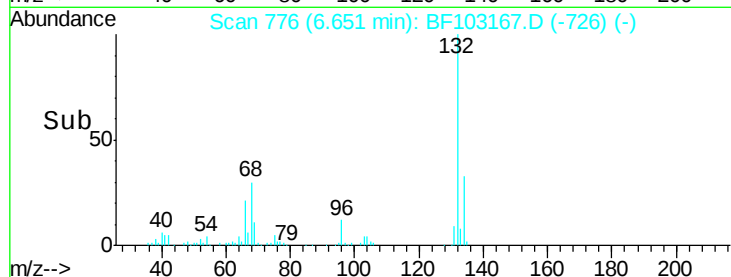
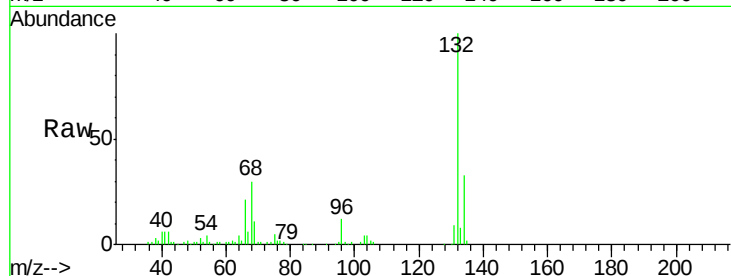
ClientSampleId :

HD-01-022118

Tot Ion	Ratio	Lower	Upper
128	100		
130	94.8	13.0	53.0
64	1477.5	29.4	69.4

Manual Integrations
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#9

Benzaldehyde

Concen: 1.384 ng

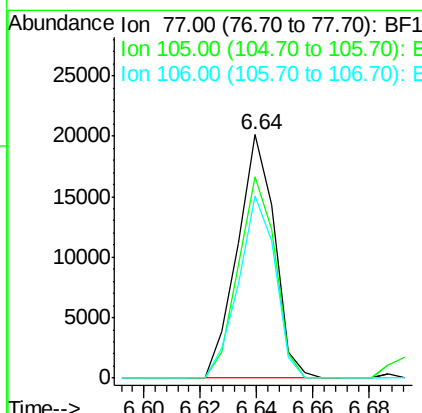
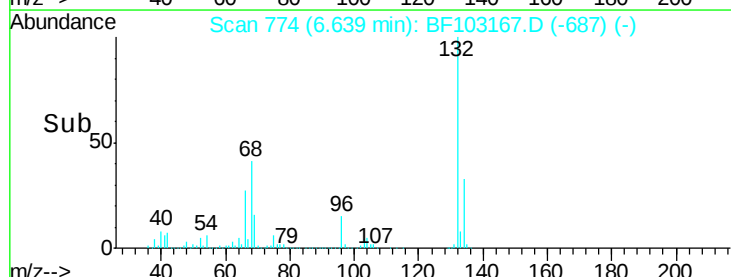
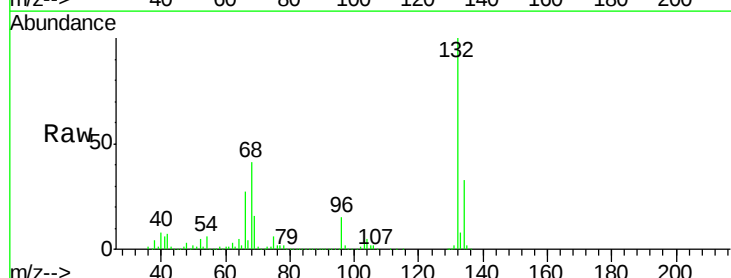
RT: 6.64 min Scan# 774

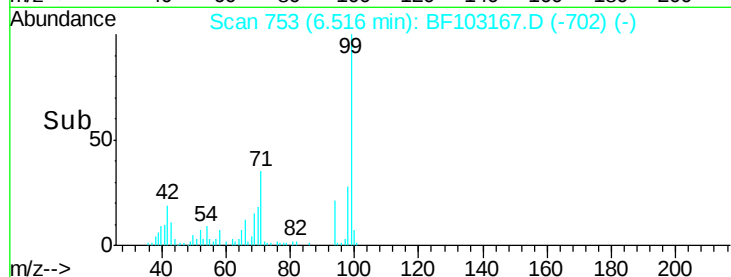
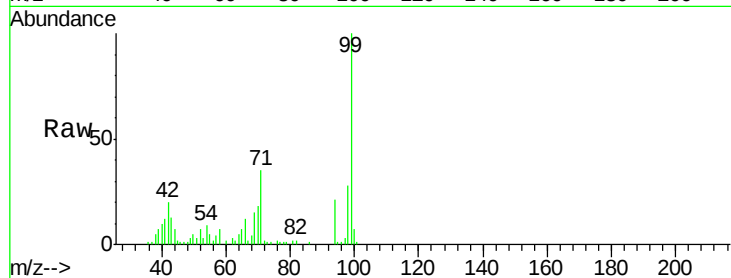
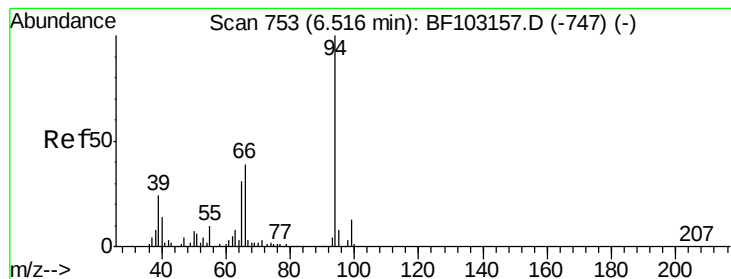
Delta R.T. 0.21 min

Lab File: BF103167.D

Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Lower	Upper
77	100		
105	82.5	81.1	121.1
106	74.7	74.5	114.5





#10

Phenol

Concen: 0.474 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF103167.D

Acq: 22 Feb 2018 17:30

Tot Ion:	94	Resp:	6942
Ion	Ratio	Lower	Upper
94	100		
65	32.4	7.9	47.9
66	55.2	16.2	56.2

Instrument :

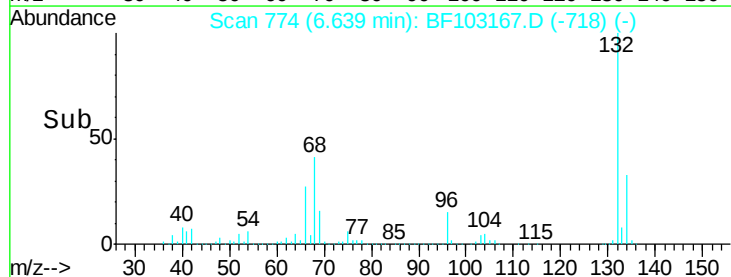
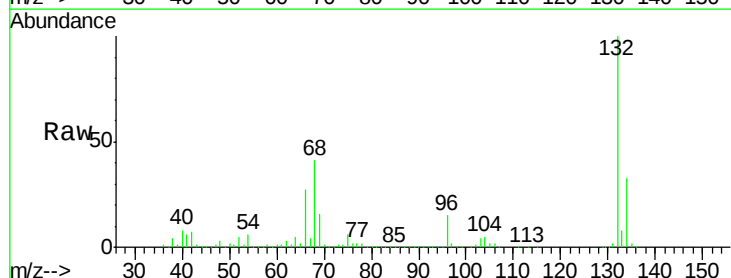
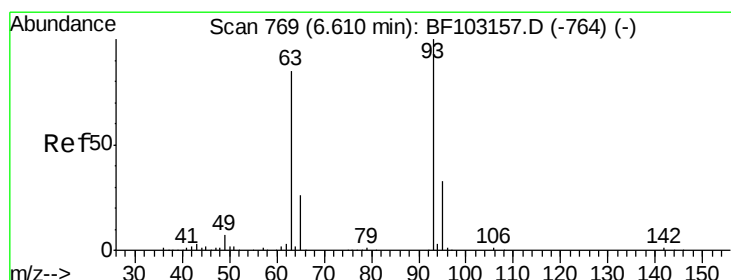
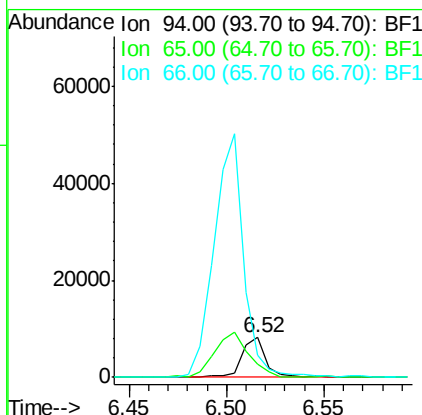
BNA_F

ClientSampleId :

HD-01-022118

Manual Integrations
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#11

bis(2-Chloroethyl)ether

Concen: 0.111 ng

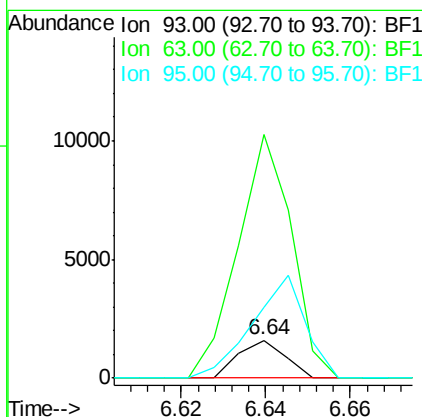
RT: 6.64 min Scan# 774

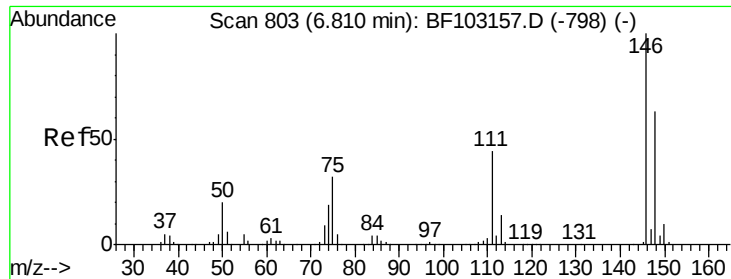
Delta R.T. 0.03 min

Lab File: BF103167.D

Acq: 22 Feb 2018 17:30

Tgt Ion:	93	Resp:	1230
Ion	Ratio	Lower	Upper
93	100		
63	639.0	58.6	98.6#
95	185.6	11.8	51.8#





#12

1,3-Dichlorobenzene

Concen: 0.019 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.22 min

Lab File: BF103167.D

Acq: 22 Feb 2018 17:30

Instrument :

BNA_F

ClientSampled :

HD-01-022118

Tot Ion:146 Resp: 234

Ion Ratio Lower Upper

146 100

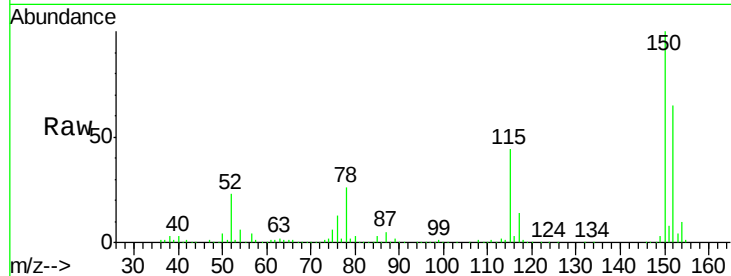
148 221.4 51.8 77.8#

75 6199.7 24.2 36.4#

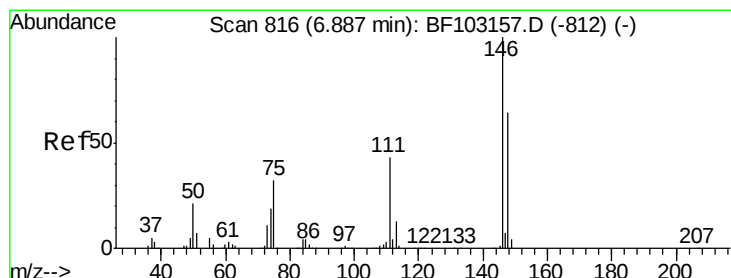
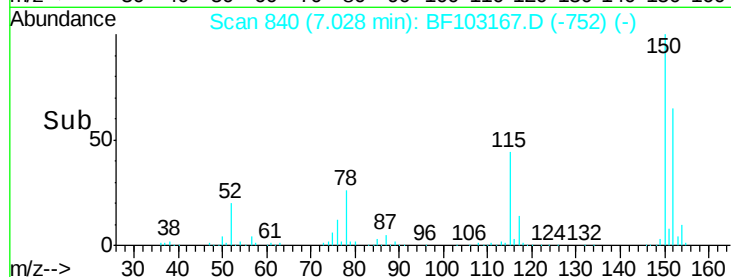
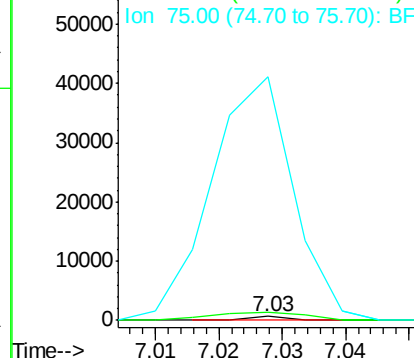
Manual Integrations
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2/23/2018 10:20:41 AM



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1



#13

1,4-Dichlorobenzene

Concen: 0.019 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.14 min

Lab File: BF103167.D

Acq: 22 Feb 2018 17:30

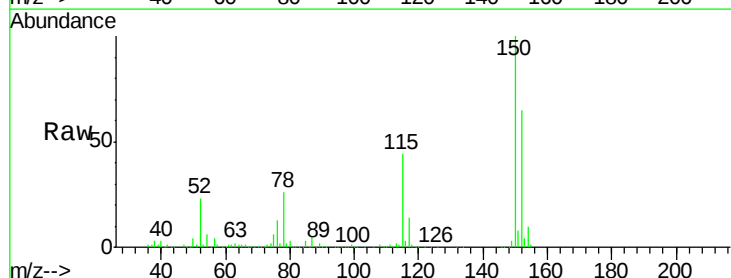
Tgt Ion:146 Resp: 234

Ion Ratio Lower Upper

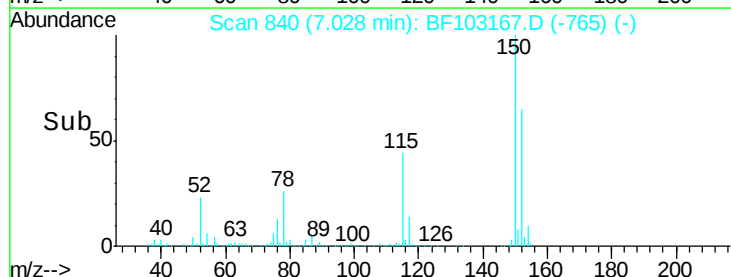
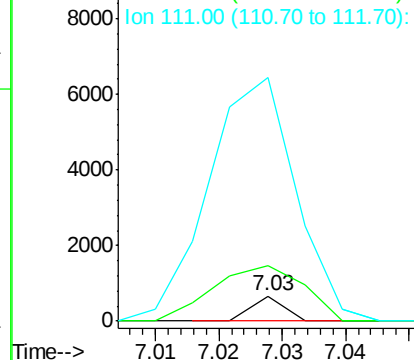
146 100

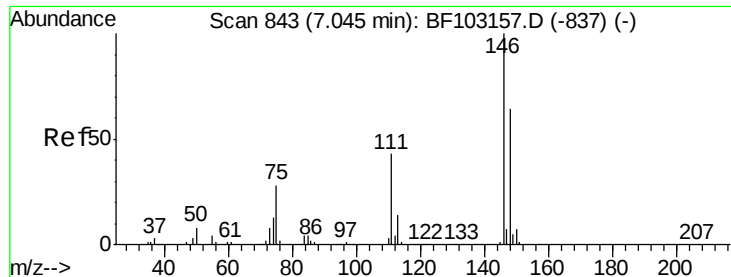
148 221.4 50.8 76.2#

111 972.2 34.2 51.2#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 0.021 ng

RT: 7.03 min Scan# 840

Delta R.T. -0.02 min

Lab File: BF103167.D

Acq: 22 Feb 2018 17:30

Instrument :

BNA_F

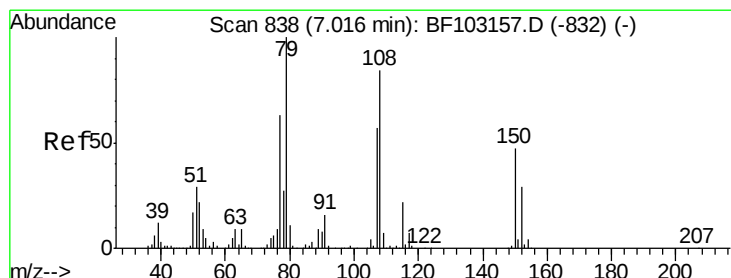
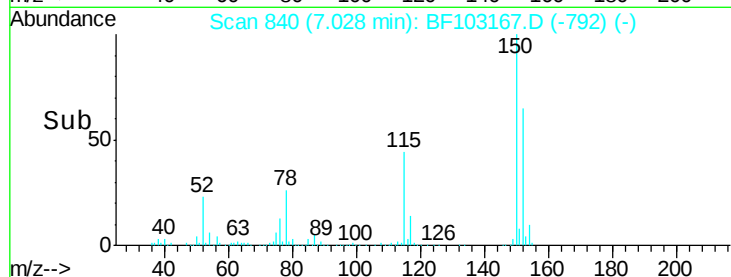
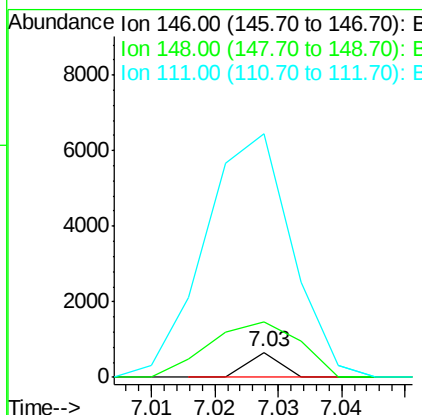
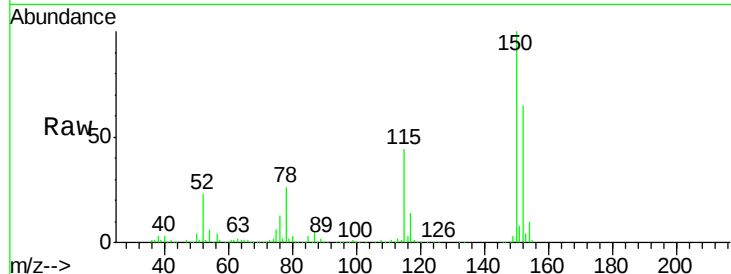
ClientSampleId :

HD-01-022118

Tot Ion	Ratio	Lower	Upper
146	100		
148	221.4	50.6	75.8#
111	972.2	36.0	54.0#

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#15

Benzyl Alcohol

Concen: 1.212 ng

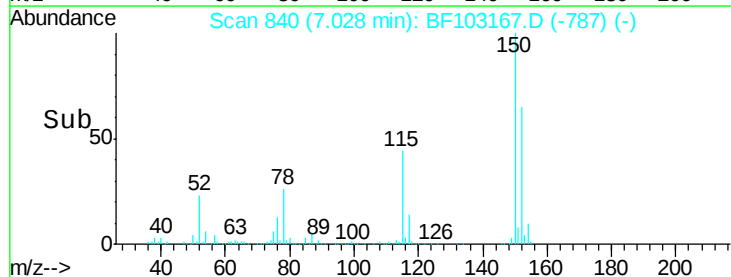
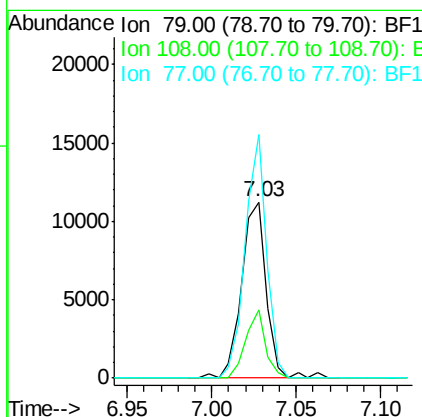
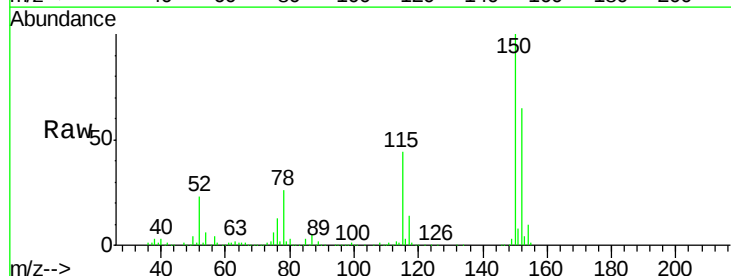
RT: 7.03 min Scan# 840

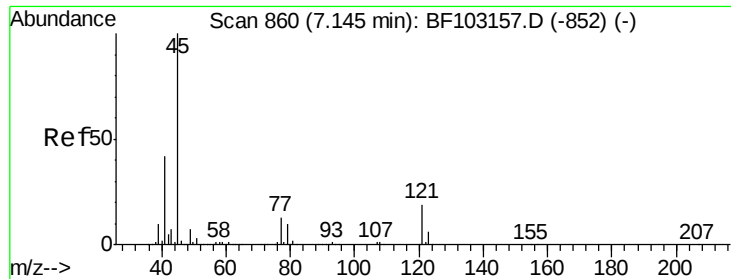
Delta R.T. 0.01 min

Lab File: BF103167.D

Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Lower	Upper
79	100		
108	38.5	65.1	97.7#
77	138.1	50.6	75.8#





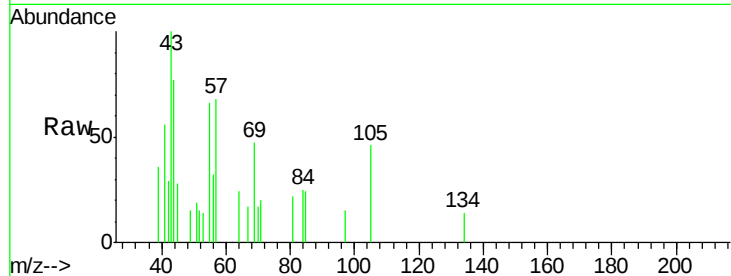
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.065 ng
RT: 7.14 min Scan# 859
Delta R.T. -0.01 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

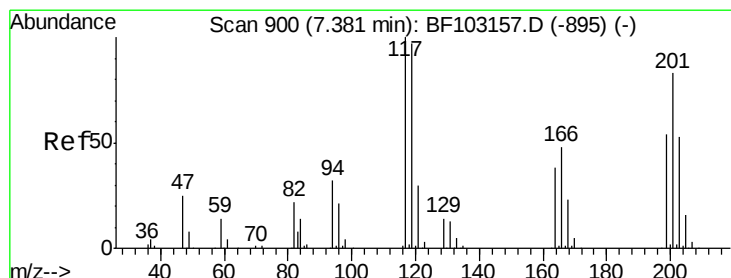
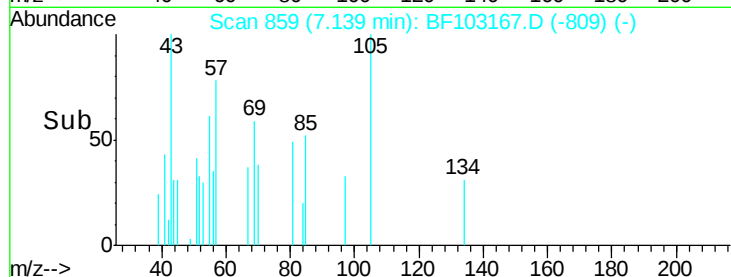
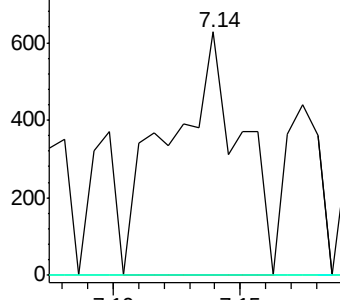
Tot Ion	Ratio	Lower	Upper
45	100		
77	0.0	0.0	32.9
79	0.0	0.0	29.6

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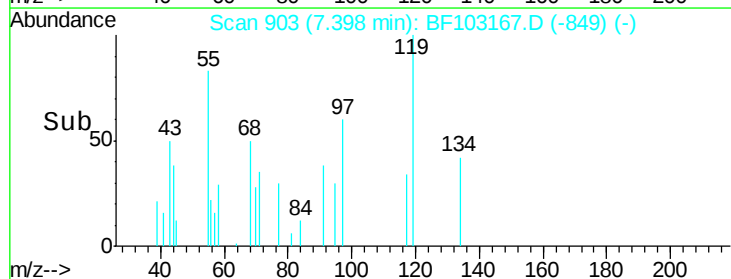
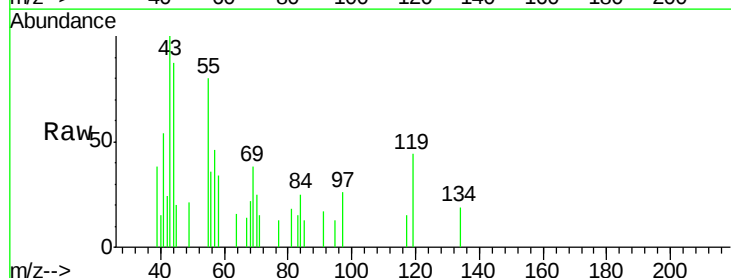
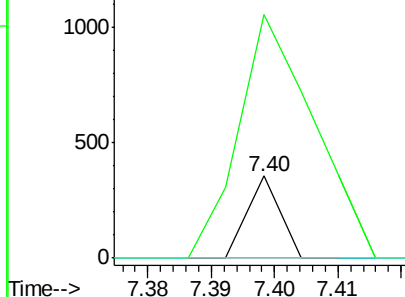
Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

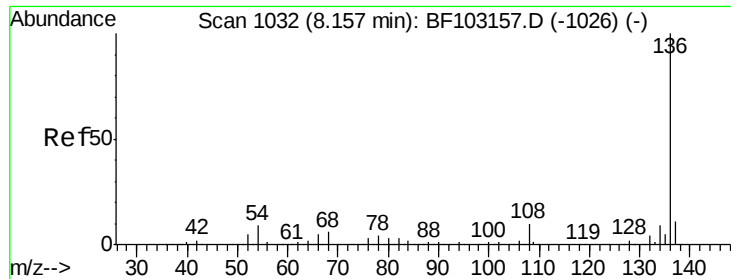


#18
Hexachloroethane
Concen: 0.028 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.02 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	297.2	75.8	113.8#
201	0.0	75.7	113.5#

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





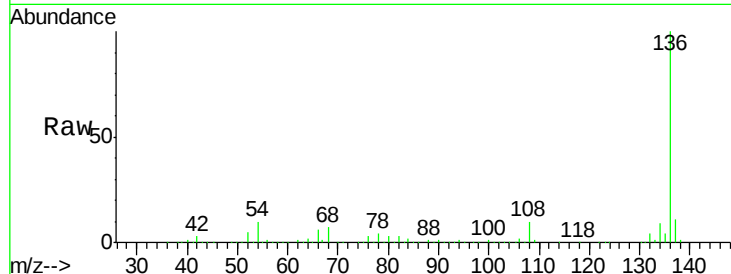
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Instrument :
BNA_F
ClientSampled :
HD-01-022118

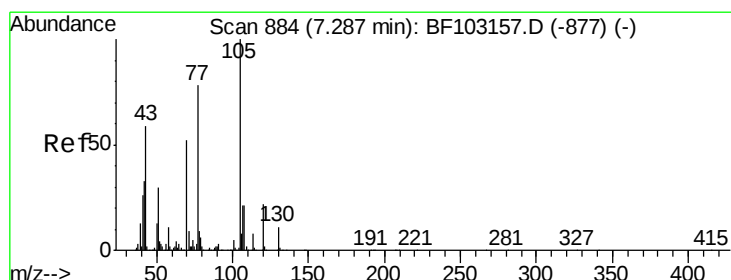
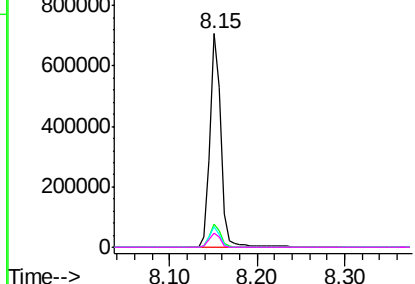
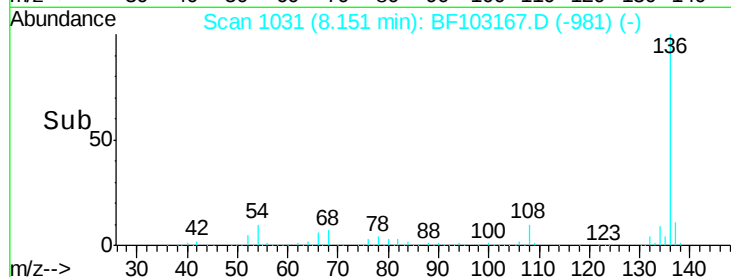
Tot Ion	136	Resp	626009
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	9.8	6.6	9.8
68	6.9	5.0	7.4

Manual Integrations
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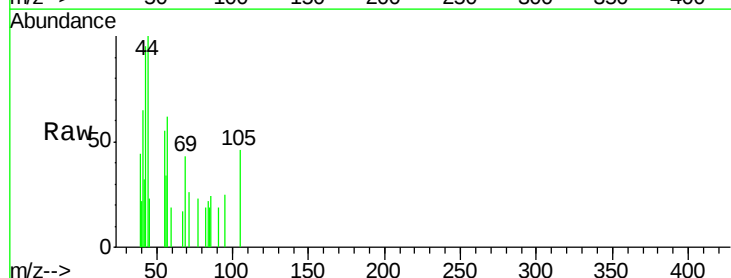


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

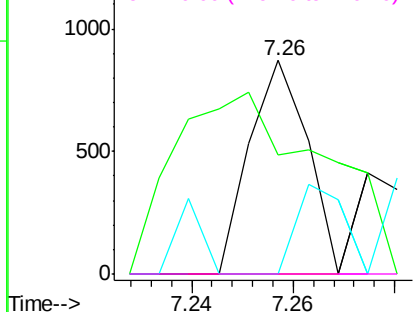
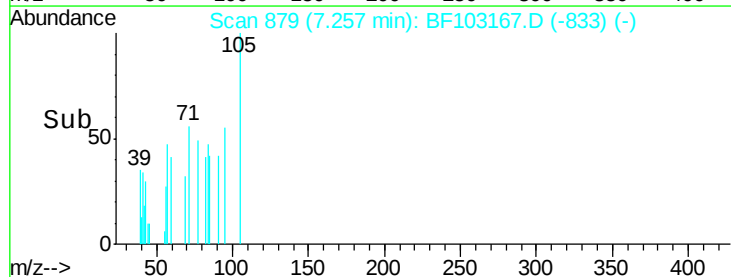


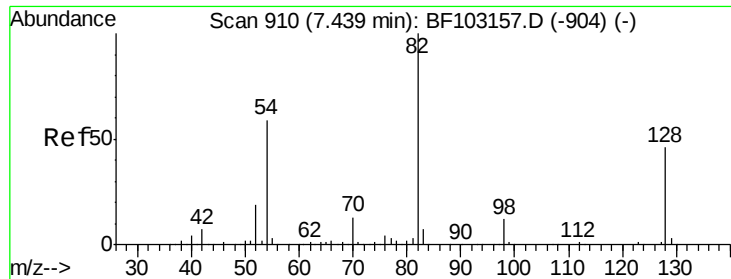
#22
Acetophenone
Concen: 0.047 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.03 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Tgt Ion	105	Resp	686
Ion Ratio	Lower	Upper	
105	100		
71	55.8	4.4	6.6#
51	0.0	22.3	33.5#
120	0.0	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





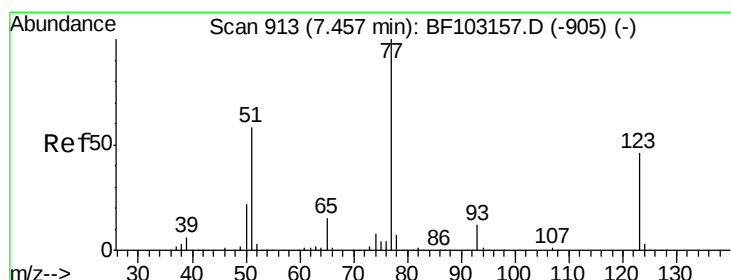
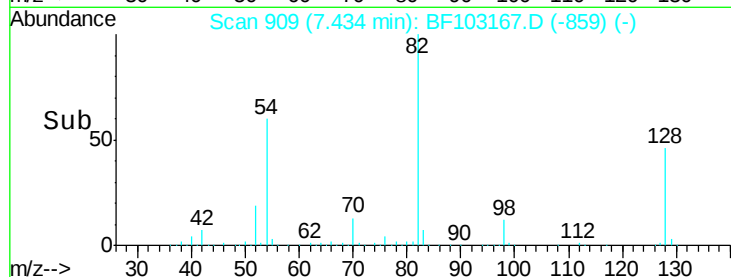
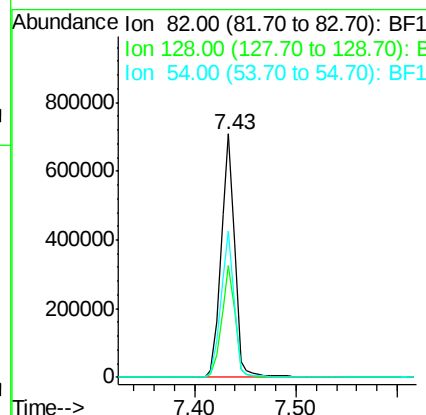
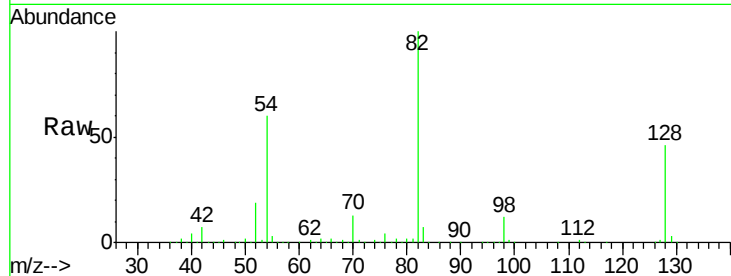
#23
Nitrobenzene-d5
Concen: 60.683 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion	Ratio	Resp	Lower	Upper
82	100	665196		
128	46.0	36.1	54.1	
54	60.3	41.4	62.2	

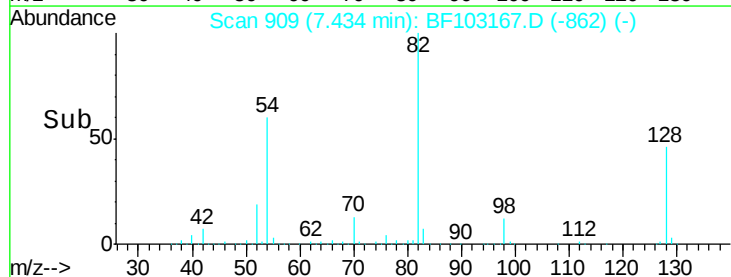
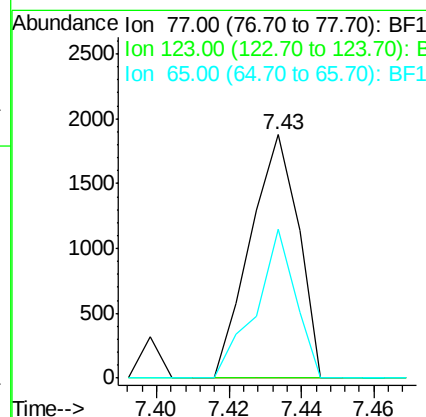
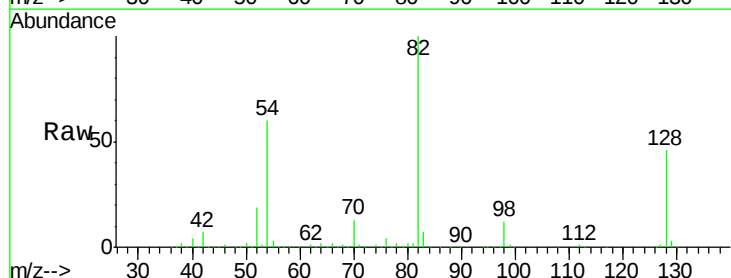
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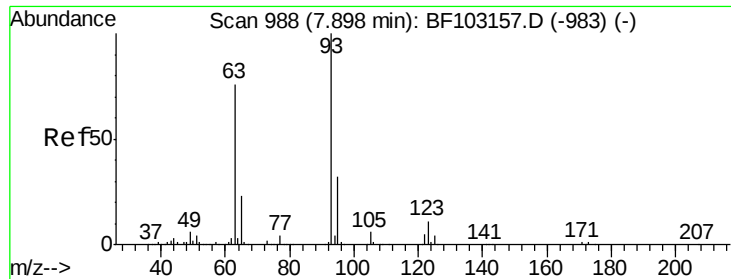
Sohil
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#24
Nitrobenzene
Concen: 0.143 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	1725		
123	0.0	37.9	56.9#	
65	61.1	11.0	16.4#	





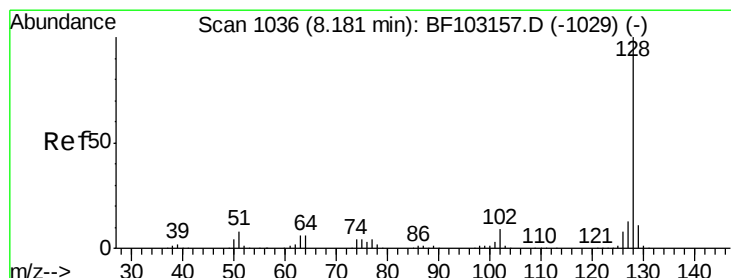
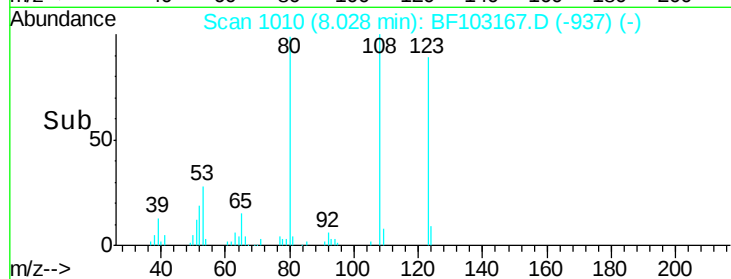
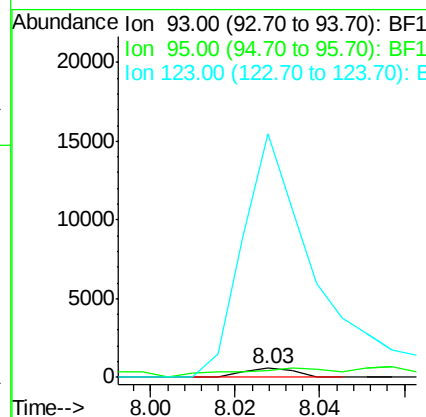
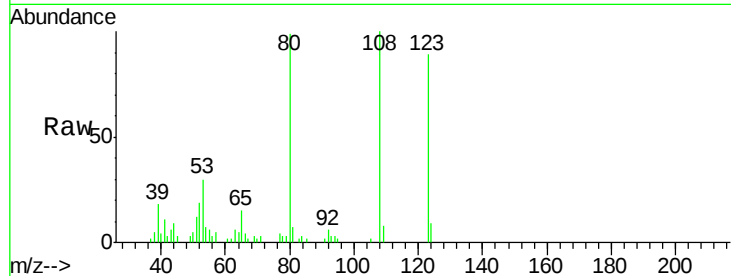
#28
bis(2-Chloroethoxy)methane
Concen: 0.037 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.13 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion: 93 Resp: 468
Ion Ratio Lower Upper
93 100
95 73.4 26.3 39.5#
123 2722.4 9.8 14.6#

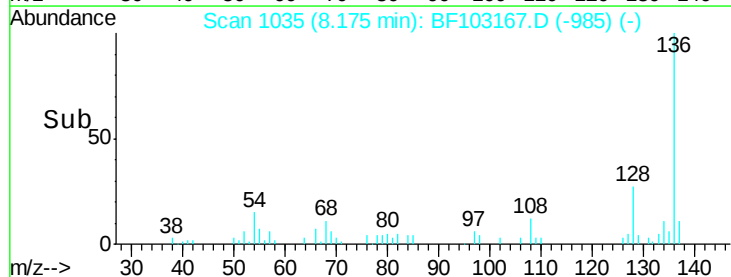
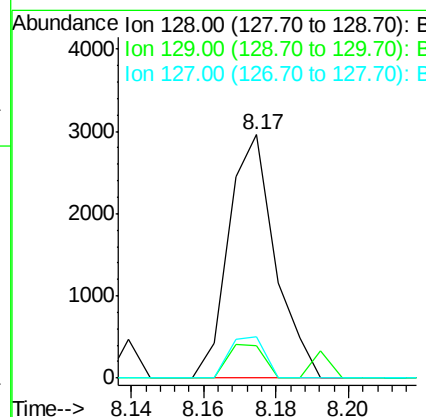
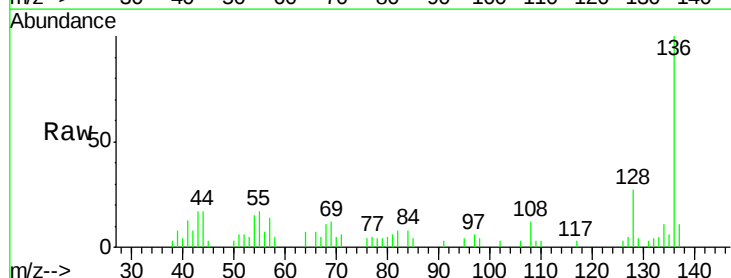
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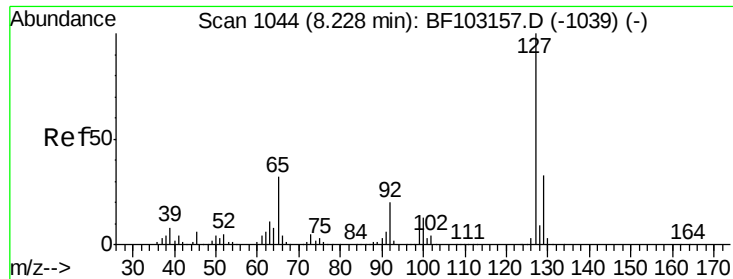
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#31
Naphthalene
Concen: 0.086 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Tgt Ion:128 Resp: 2635
Ion Ratio Lower Upper
128 100
129 13.5 8.8 13.2#
127 16.9 10.9 16.3#





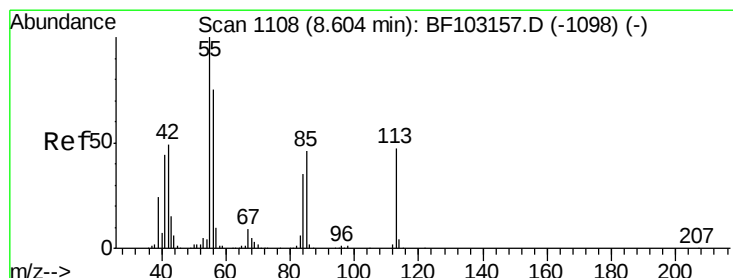
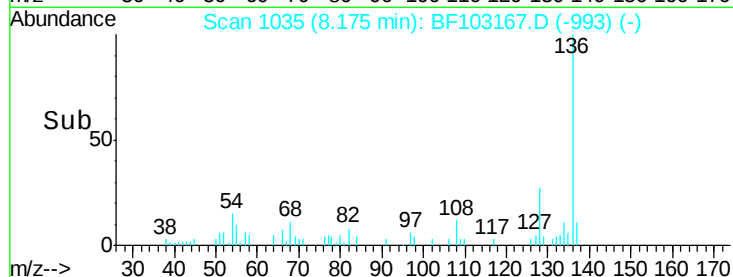
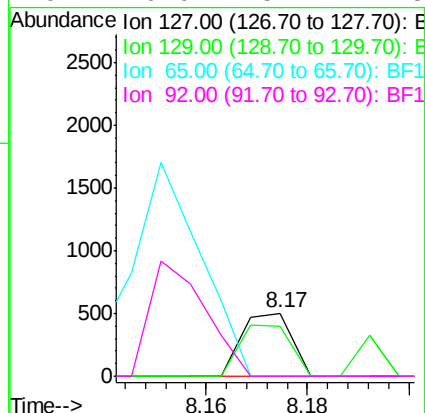
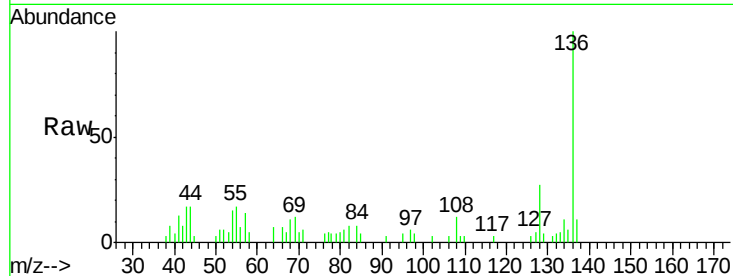
#33
4-Chloroaniline
Concen: 0.026 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.05 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion:	127	Resp:	343
Ion Ratio	Lower	Upper	
127	100		
129	80.2	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

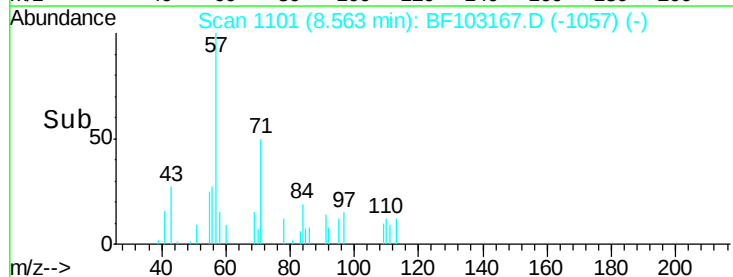
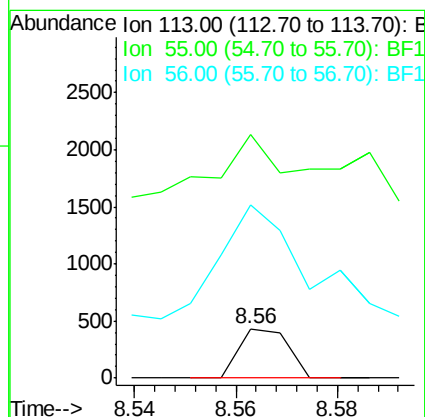
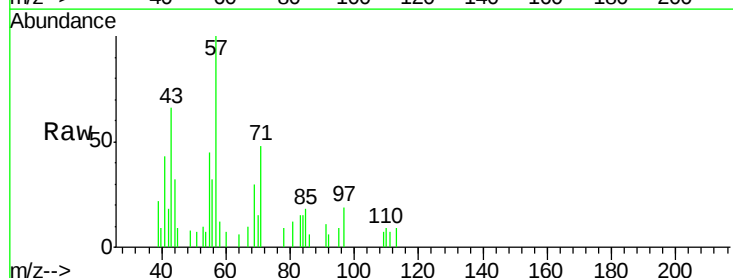
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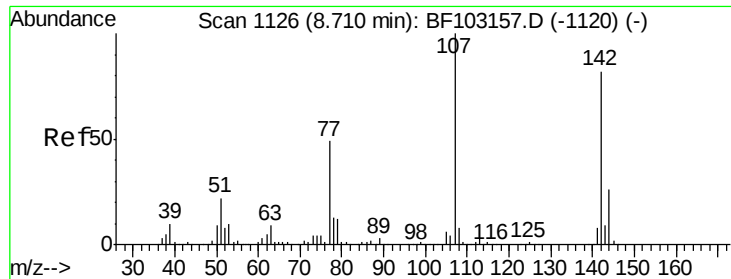
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#35
Caprolactam
Concen: 0.100 ng
RT: 8.56 min Scan# 1101
Delta R.T. -0.04 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Tgt Ion:	113	Resp:	292
Ion Ratio	Lower	Upper	
113	100		
55	494.9	163.3	203.3#
56	351.5	115.7	155.7#





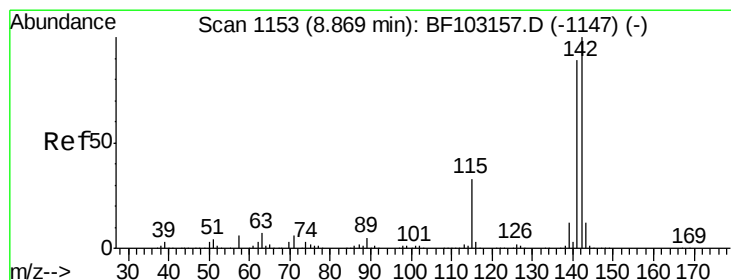
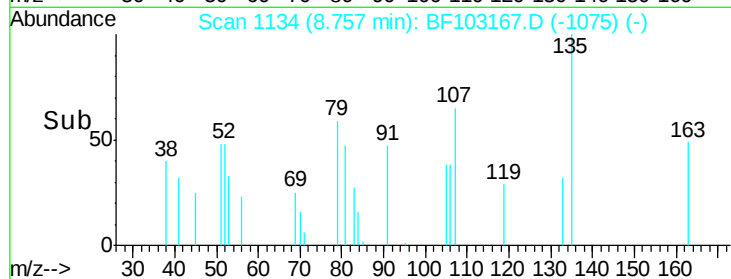
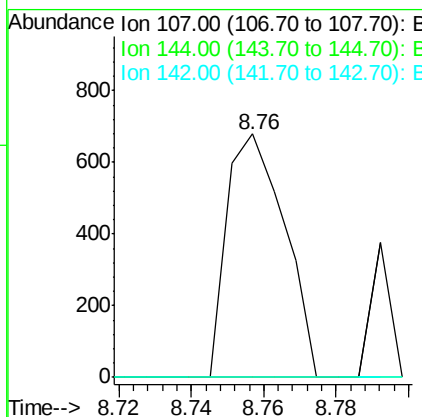
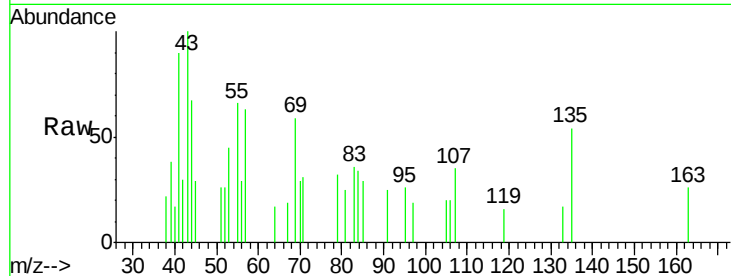
#36
4-Chloro-3-methylphenol
Concen: 0.080 ng
RT: 8.76 min Scan# 1134
Delta R.T. 0.05 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion	Ratio	Lower	Upper
107	100		
144	0.0	20.5	30.7#
142	0.0	62.0	93.0#

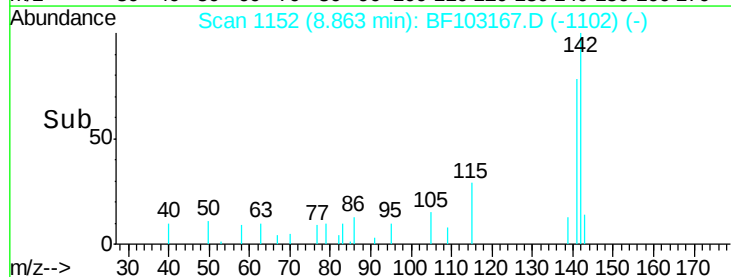
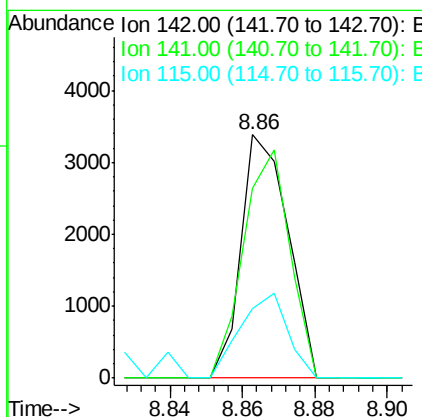
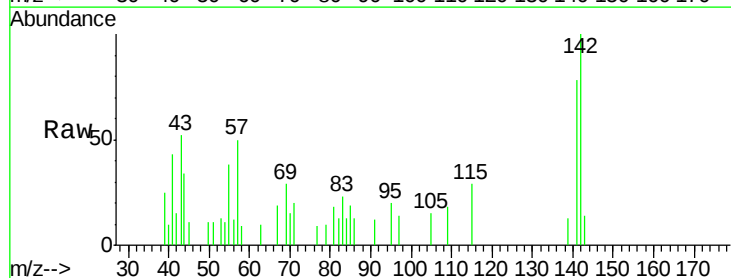
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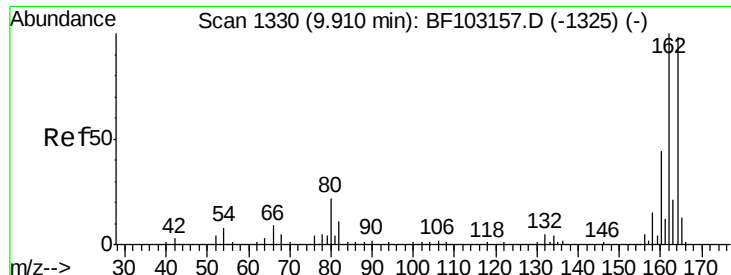
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#37
2-Methylnaphthalene
Concen: 0.155 ng
RT: 8.86 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	78.2	70.8	106.2
115	28.8	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BF103167.D

Acq: 22 Feb 2018 17:30

Instrument :

BNA_F

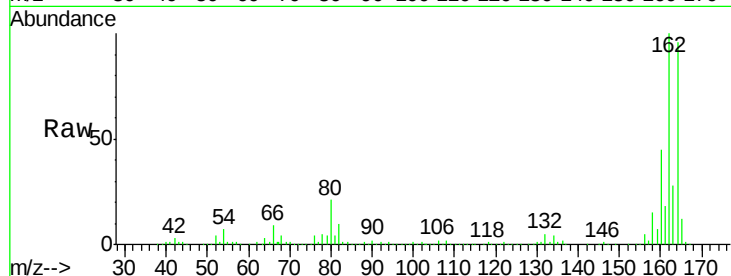
ClientSampleId :

HD-01-022118

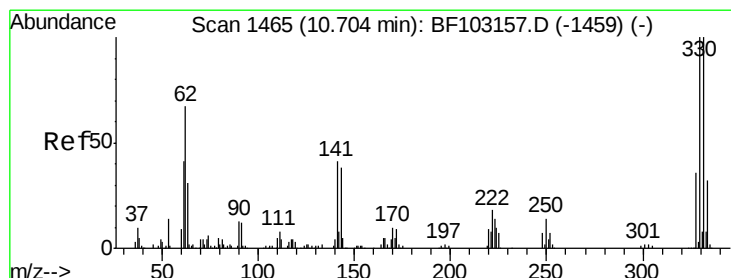
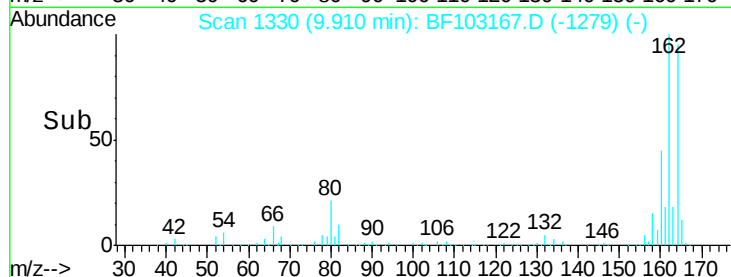
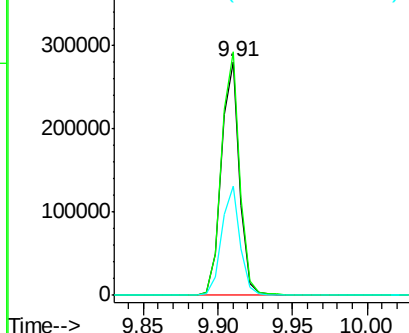
Tot Ion:	164	Resp:	241561
Ion Ratio	Lower	Upper	
164	100		
162	104.2	86.1	129.1
160	46.8	38.3	57.5

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 75.915 ng

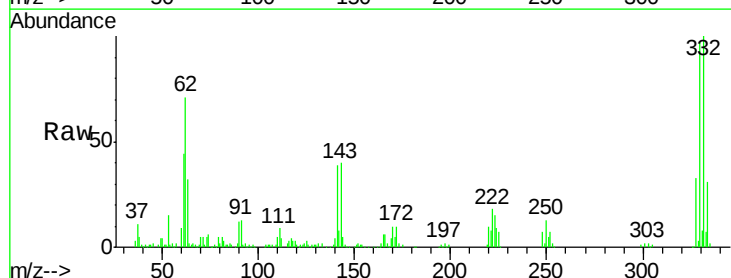
RT: 10.70 min Scan# 1464

Delta R.T. -0.01 min

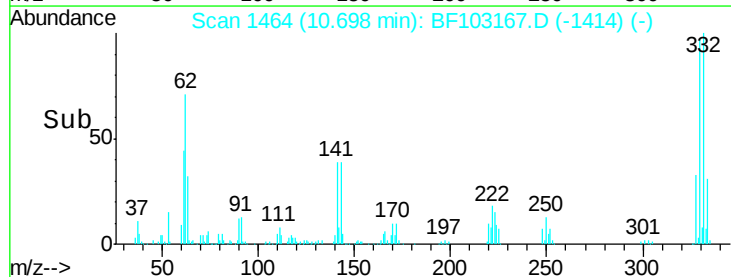
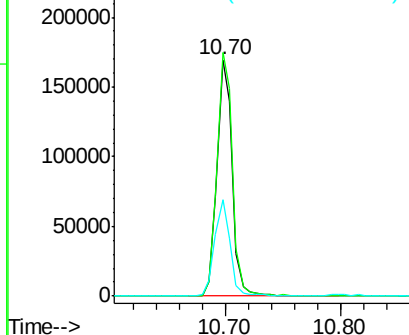
Lab File: BF103167.D

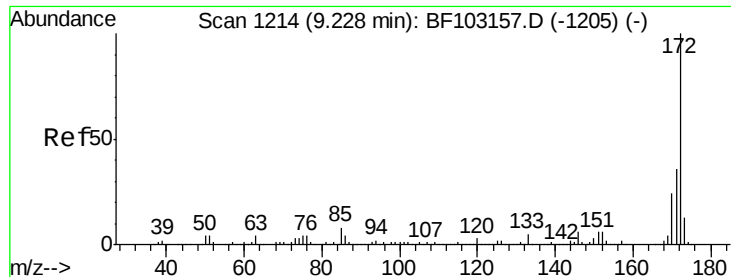
Acq: 22 Feb 2018 17:30

Tgt Ion:	330	Resp:	155222
Ion Ratio	Lower	Upper	
330	100		
332	104.6	77.0	115.6
141	40.9	29.9	44.9



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





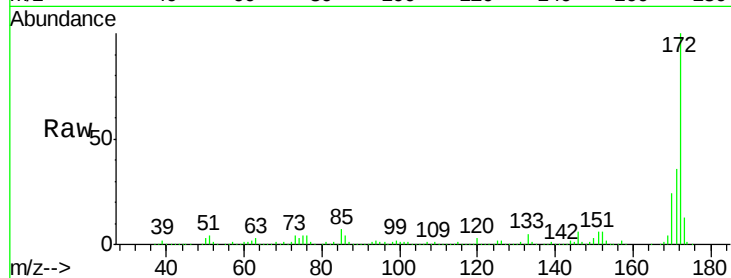
#44
2-Fluorobiphenyl
Concen: 68.262 ng
RT: 9.23 min Scan# 1214
Delta R.T. 0.00 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Instrument :
BNA_F
ClientSampled :
HD-01-022118

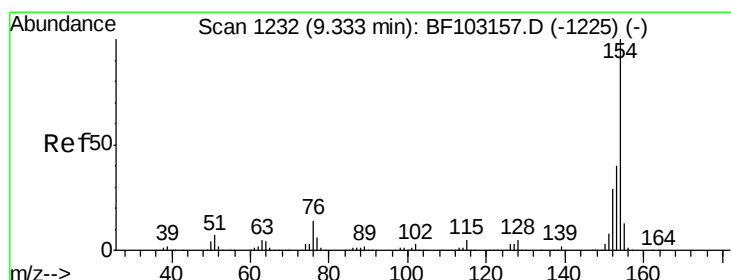
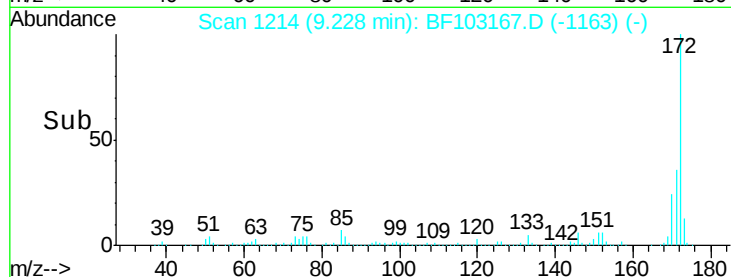
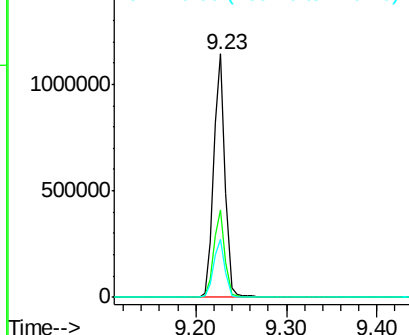
Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	35.7	29.7	44.5	
170	24.0	19.6	29.4	

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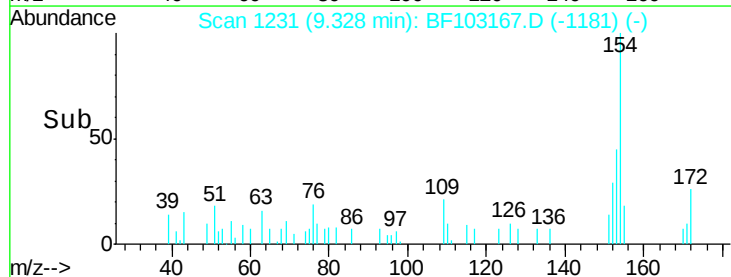
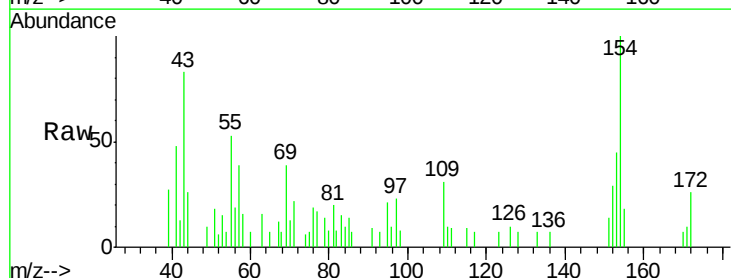
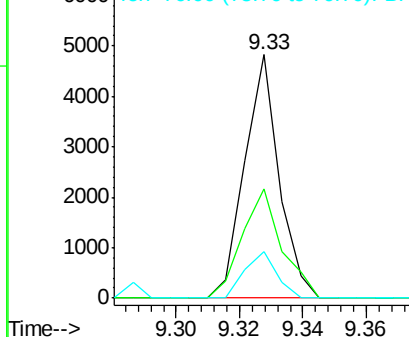
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

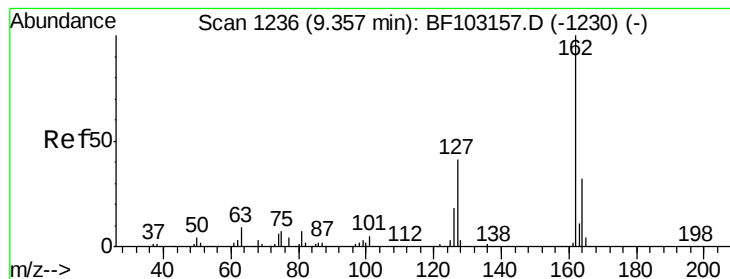


#45
1,1'-Biphenyl
Concen: 0.179 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Tgt Ion	Ion	Ratio	Lower	Upper
154	100			
153	44.6	21.3	61.3	
76	19.1	0.0	34.0	

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





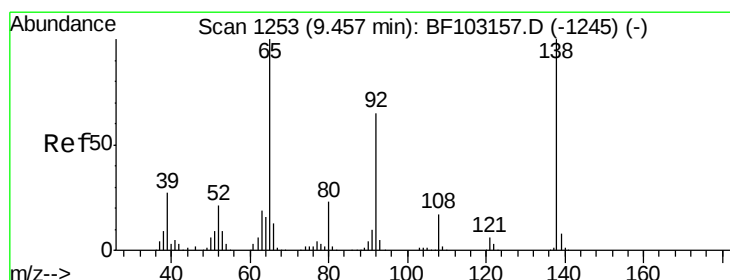
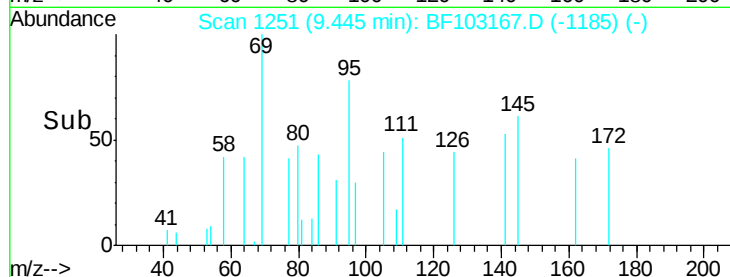
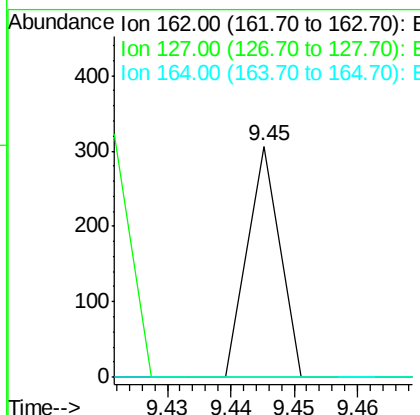
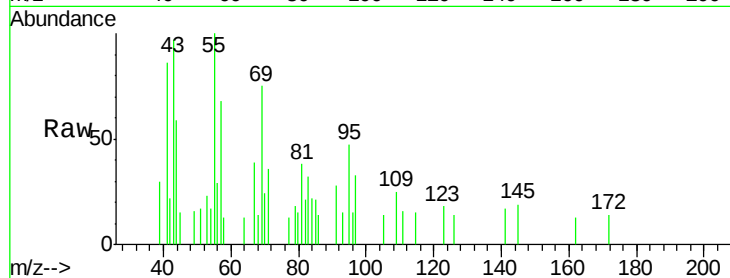
#46
 2-Chloronaphthalene
 Concen: 0.007 ng
 RT: 9.45 min Scan# 1251
 Delta R.T. 0.09 min
 Lab File: BF103167.D
 Acq: 22 Feb 2018 17:30

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118

Tot Ion	Ratio	Lower	Upper
162	100		
127	0.0	33.9	50.9#
164	0.0	26.5	39.7#

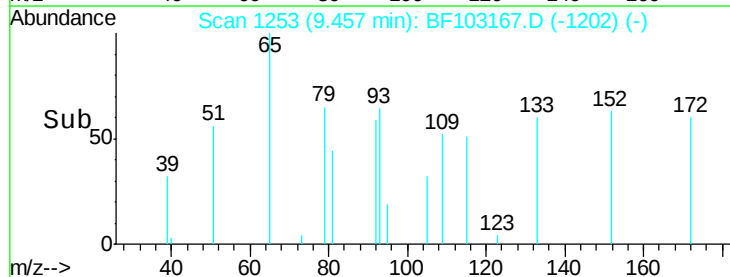
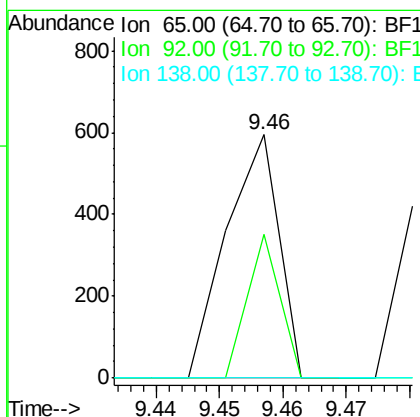
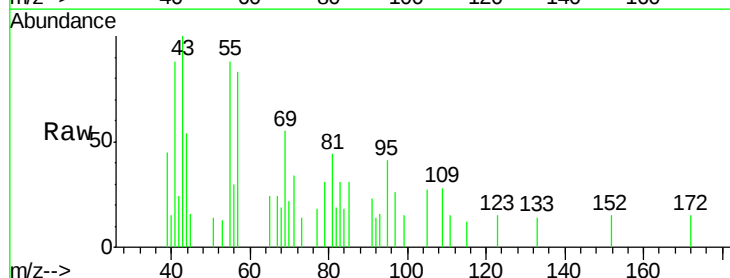
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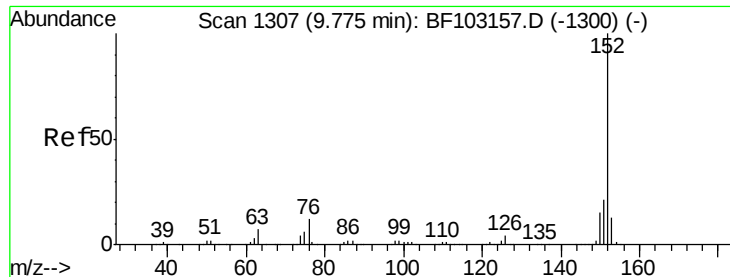
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#47
 2-Nitroaniline
 Concen: 0.057 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: BF103167.D
 Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Lower	Upper
65	100		
92	58.8	55.8	83.6
138	0.0	91.2	136.8#





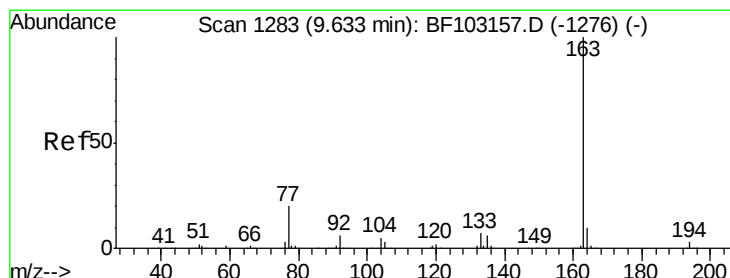
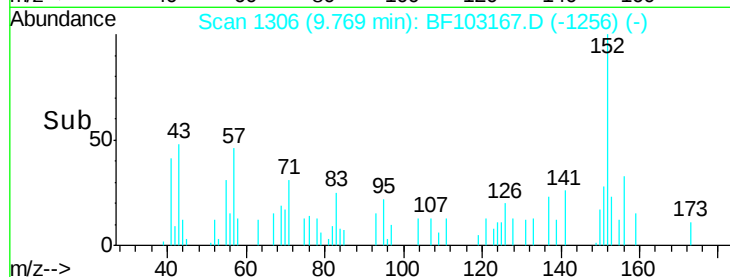
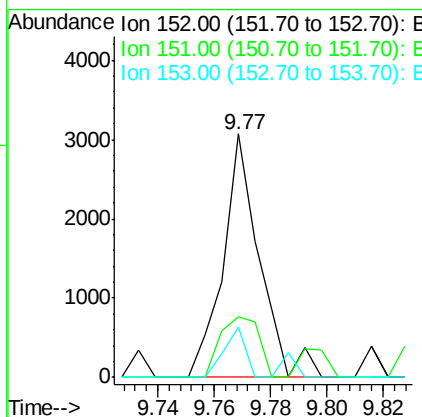
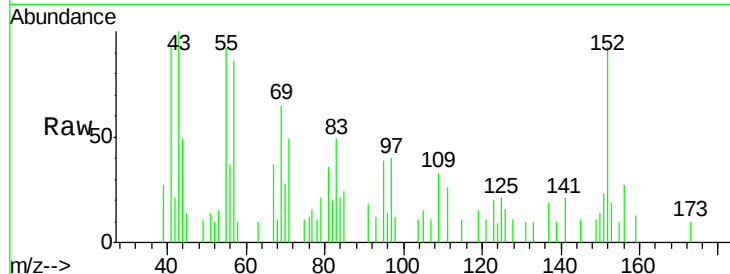
#48
Acenaphthylene
Concen: 0.111 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion	Ratio	Lower	Upper
152	100		
151	25.1	16.3	24.5#
153	20.6	10.7	16.1#

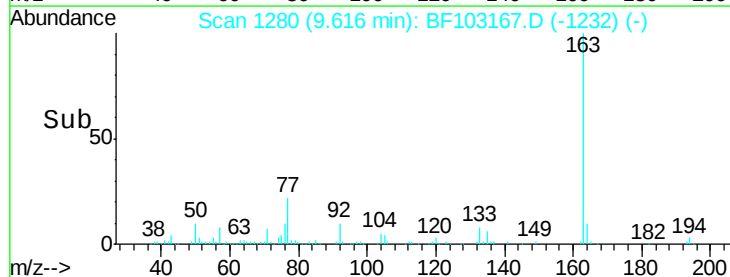
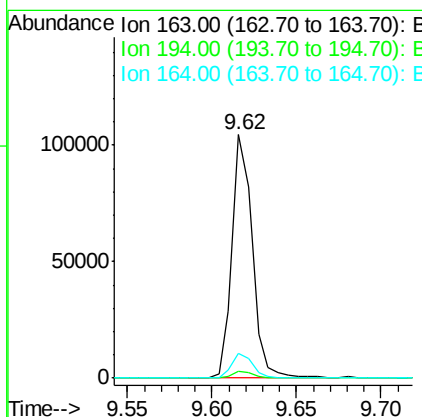
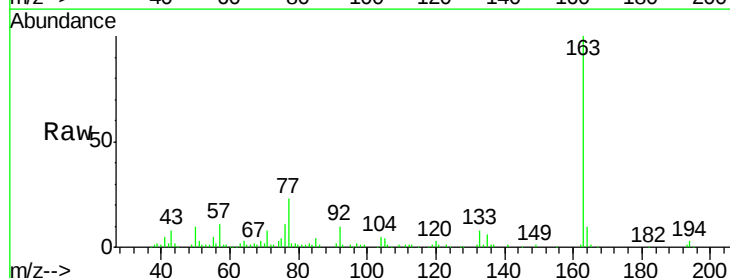
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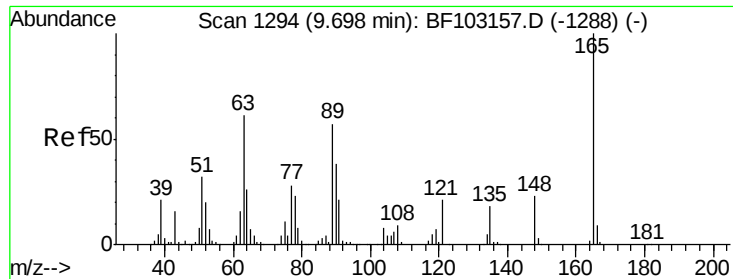
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#49
Dimethylphthalate
Concen: 4.500 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.7	4.1
164	10.0	8.2	12.2





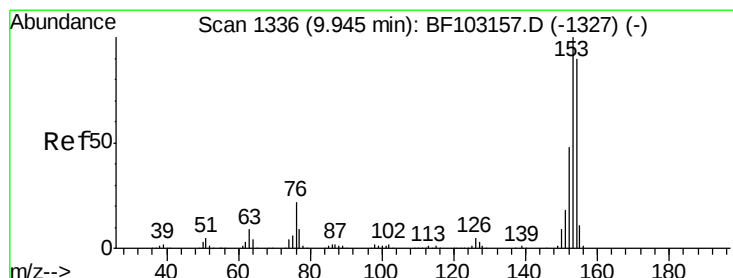
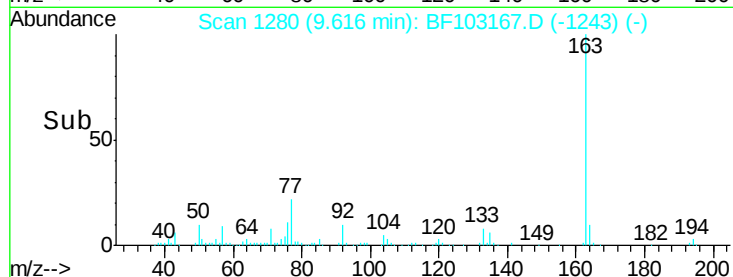
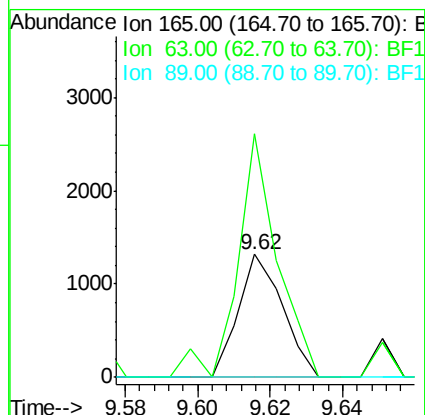
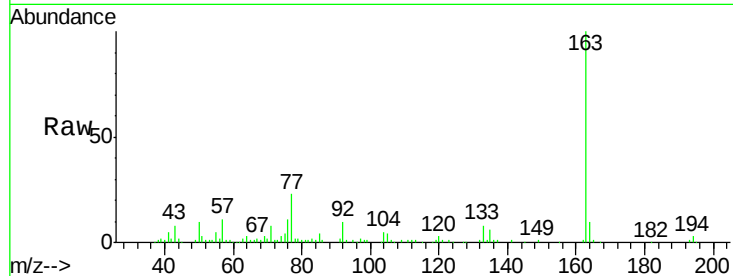
#50
 2,6-Dinitrotoluene
 Concen: 0.274 ng
 RT: 9.62 min Scan# 1280
 Delta R.T. -0.08 min
 Lab File: BF103167.D
 Acq: 22 Feb 2018 17:30

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118

Tot Ion	Ratio	Resp	Lower	Upper
165	100	1113		
63	198.3		44.7	67.1#
89	0.0		44.0	66.0#

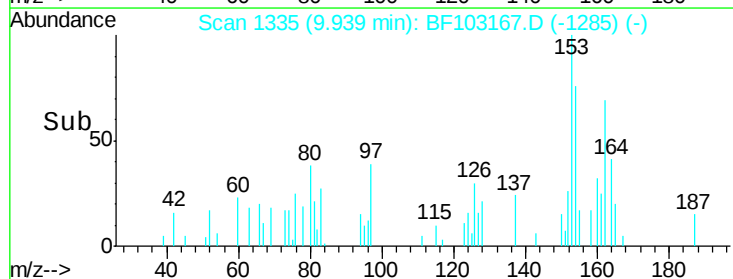
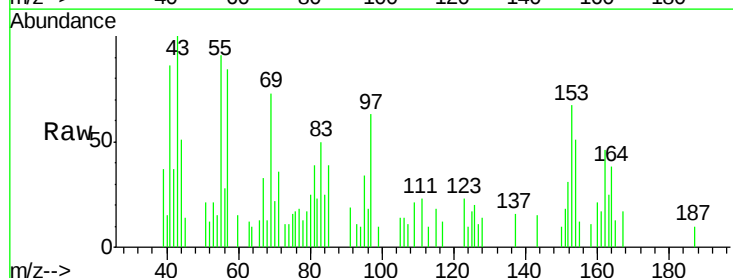
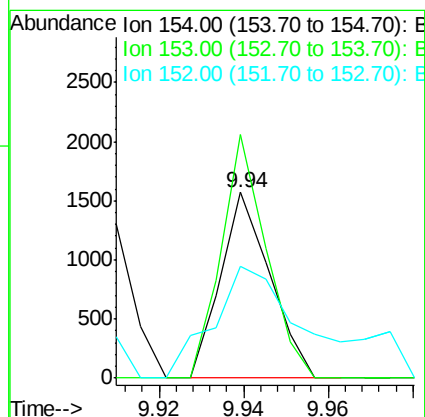
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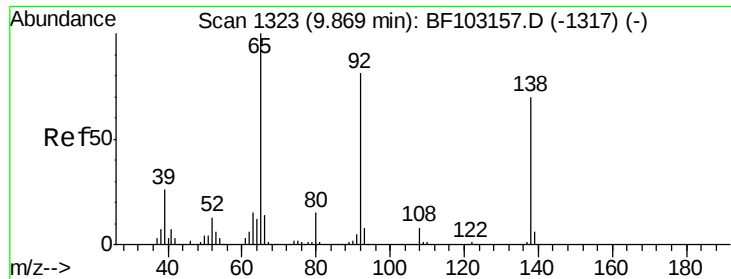
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#51
 Acenaphthene
 Concen: 0.089 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: BF103167.D
 Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1276		
153	131.3		91.2	136.8
152	60.5		43.8	65.8





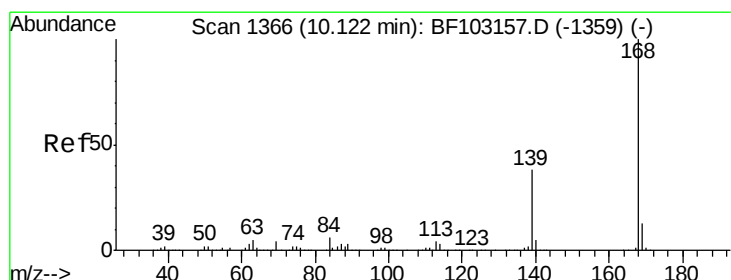
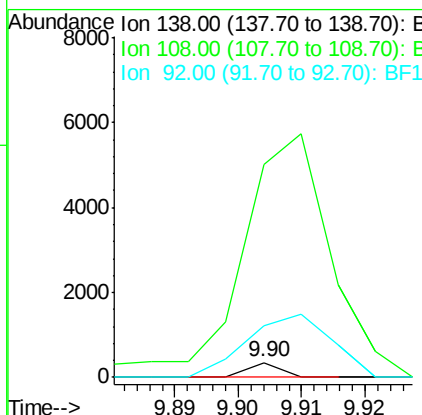
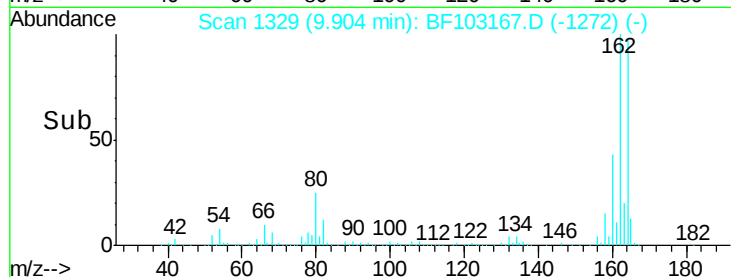
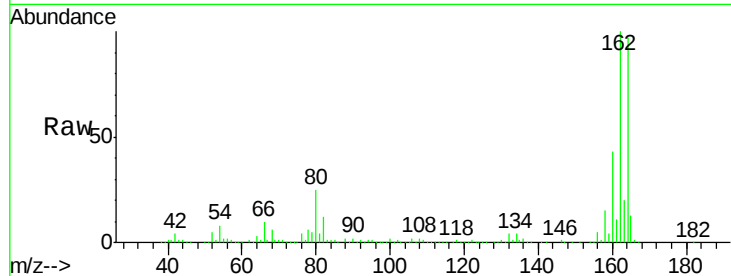
#52
3-Nitroaniline
Concen: 0.024 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.04 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion:138 Resp: 122
Ion Ratio Lower Upper
138 100
108 1446.4 9.4 14.0
92 354.2 89.4 134.2#

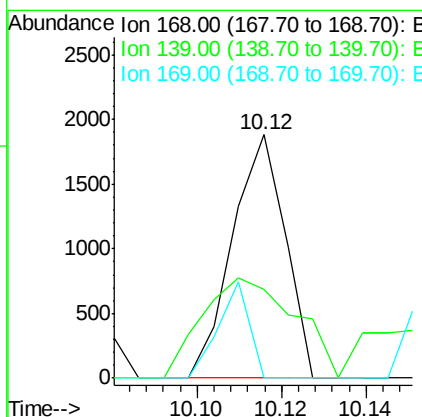
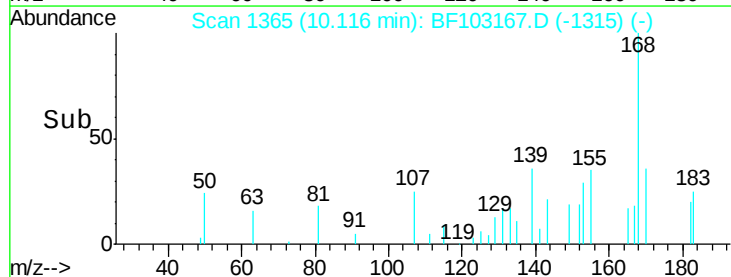
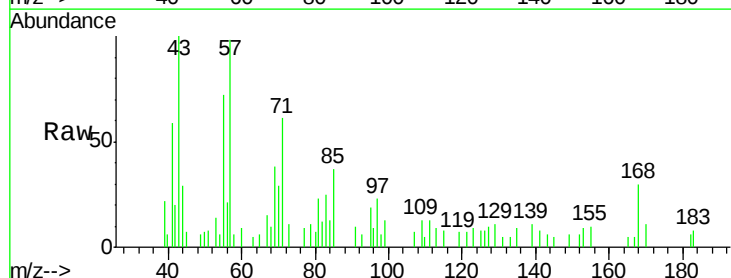
Manual Integrations
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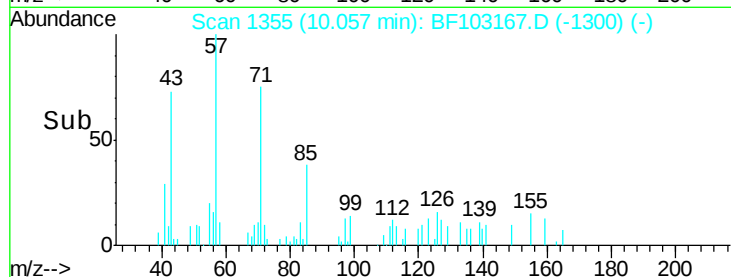
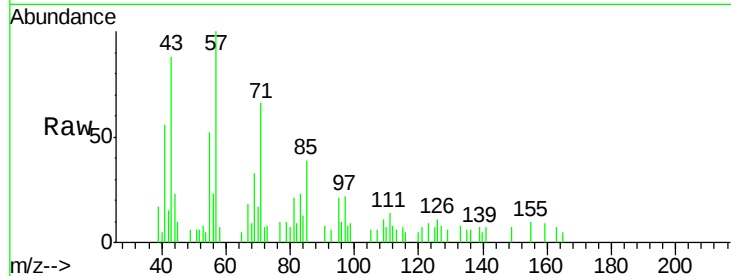
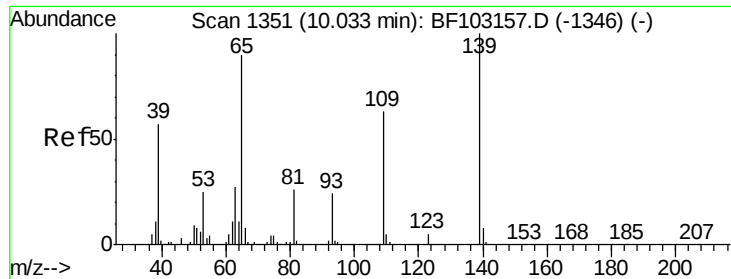
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#54
Dibenzofuran
Concen: 0.083 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Tgt Ion:168 Resp: 1632
Ion Ratio Lower Upper
168 100
139 36.2 30.1 45.1
169 0.0 10.9 16.3#





#55

4-Nitrophenol

Concen: 0.088 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.02 min

Lab File: BF103167.D

Acq: 22 Feb 2018 17:30

Instrument :

BNA_F

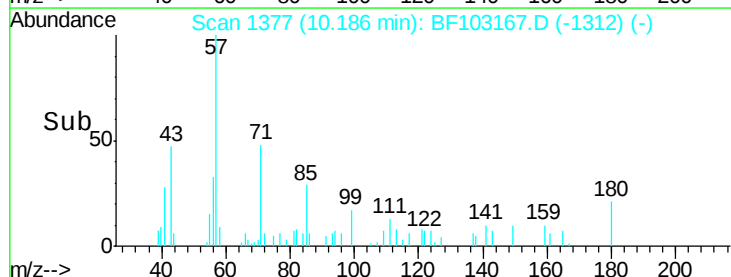
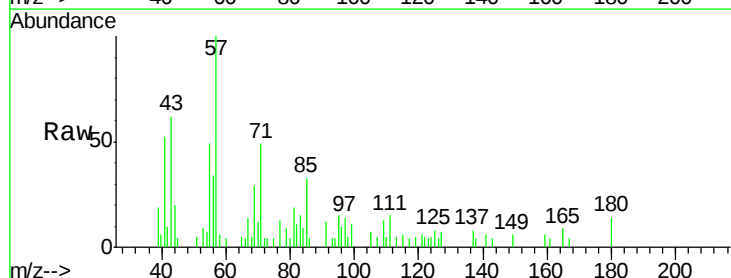
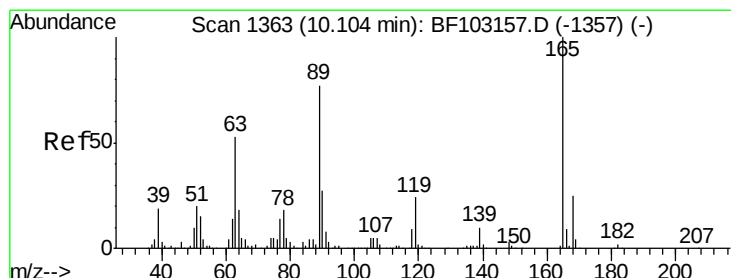
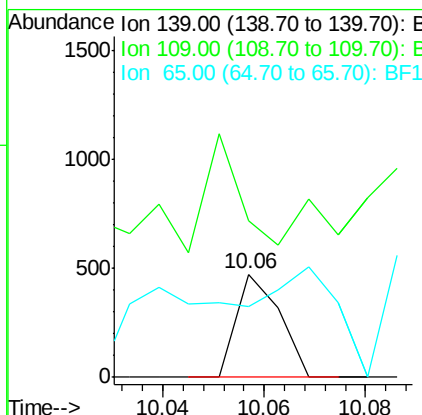
ClientSampleId :

HD-01-022118

Tot Ion:	139	Resp:	280
Ion Ratio	Lower	Upper	
139	100		
109	152.0	48.4	88.4#
65	68.4	72.6	112.6#

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#56

2,4-Dinitrotoluene

Concen: 0.213 ng

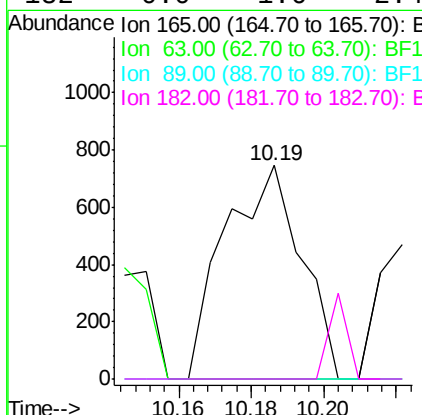
RT: 10.19 min Scan# 1377

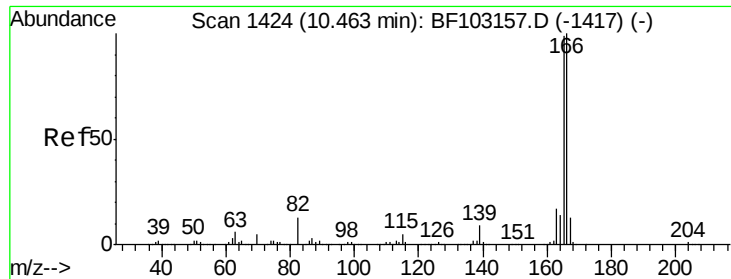
Delta R.T. 0.08 min

Lab File: BF103167.D

Acq: 22 Feb 2018 17:30

Tgt Ion:	165	Resp:	1096
Ion Ratio	Lower	Upper	
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#





#57

Fluorene

Concen: 0.235 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BF103167.D

Acq: 22 Feb 2018 17:30

Instrument :

BNA_F

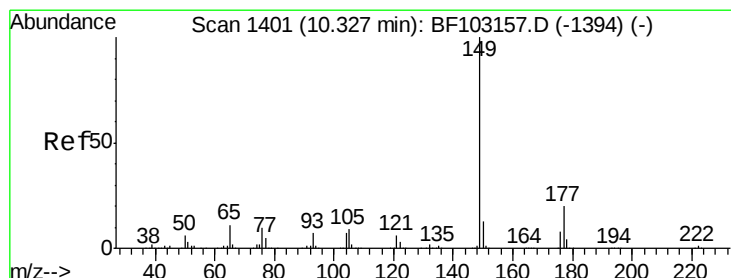
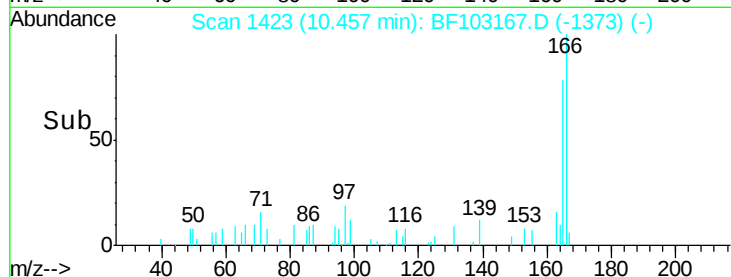
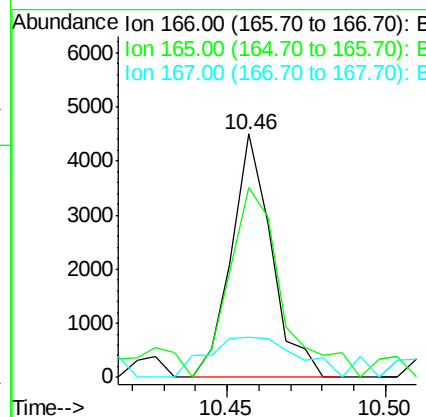
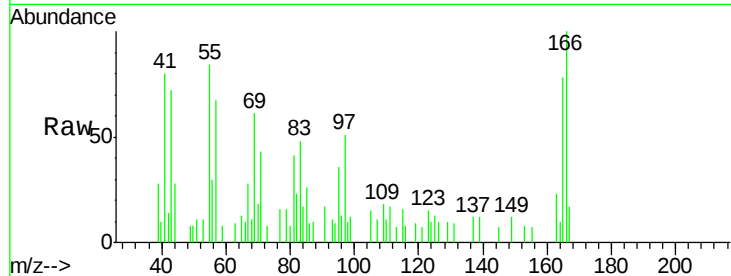
ClientSampleId :

HD-01-022118

Tot Ion:	166	Resp:	3945
Ion Ratio	Lower	Upper	
166	100		
165	77.7	79.8	119.8#
167	16.5	10.6	16.0#

Manual Integrations
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#59

Diethylphthalate

Concen: 1.948 ng

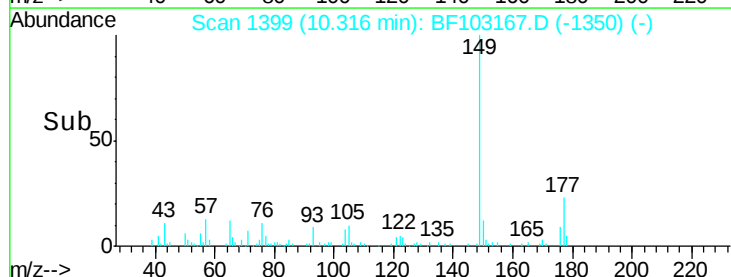
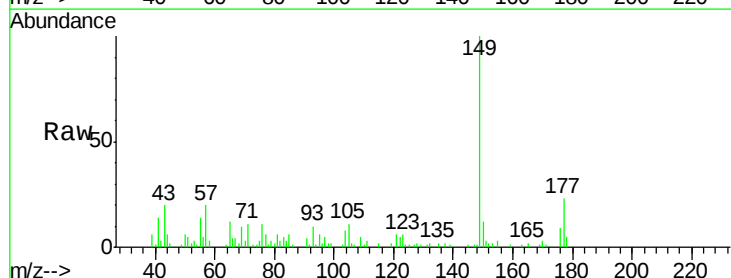
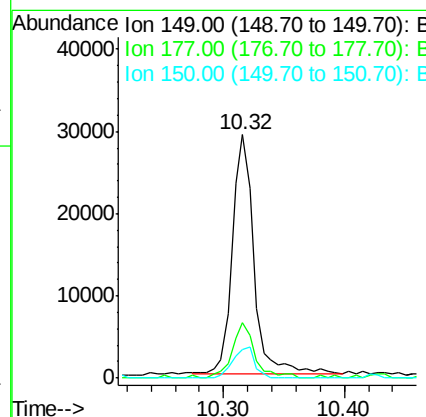
RT: 10.32 min Scan# 1399

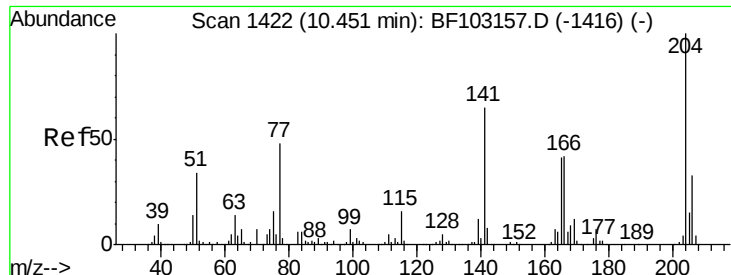
Delta R.T. -0.01 min

Lab File: BF103167.D

Acq: 22 Feb 2018 17:30

Tgt Ion:	149	Resp:	36101
Ion Ratio	Lower	Upper	
149	100		
177	22.6	16.1	24.1
150	11.9	10.1	15.1





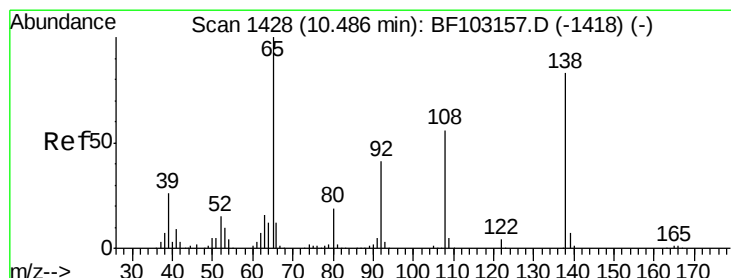
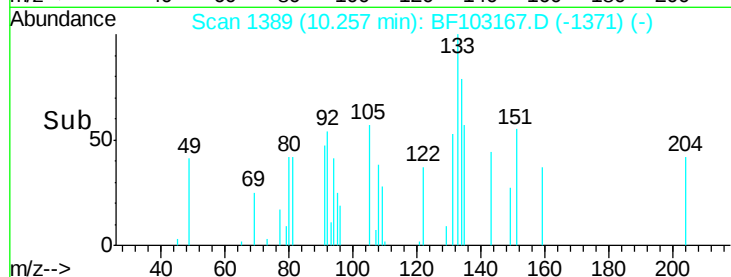
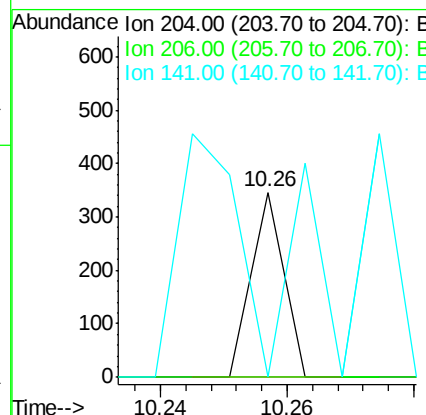
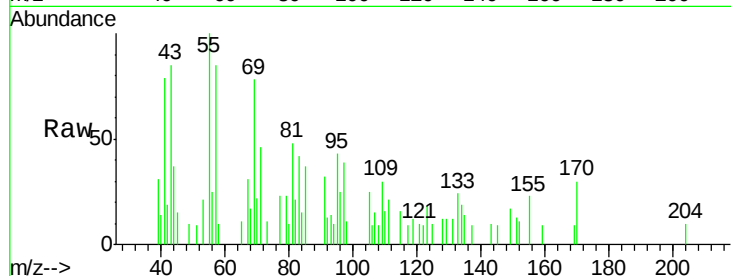
#60
4-Chlorophenyl-phenylether
Concen: 0.017 ng
RT: 10.26 min Scan# 1389
Delta R.T. -0.19 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion	Ratio	Lower	Upper
204	100		
206	0.0	26.5	39.7#
141	0.0	54.6	81.8#

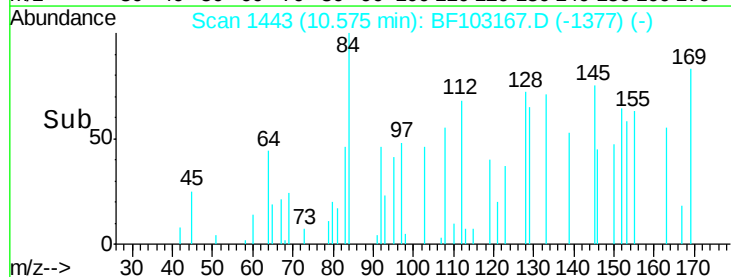
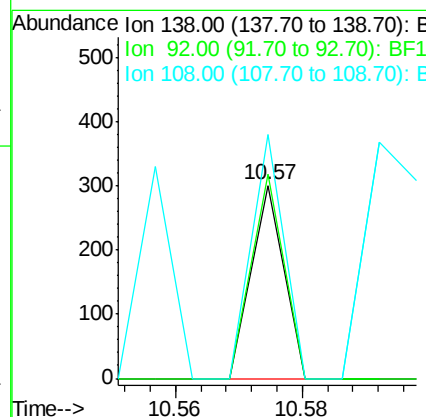
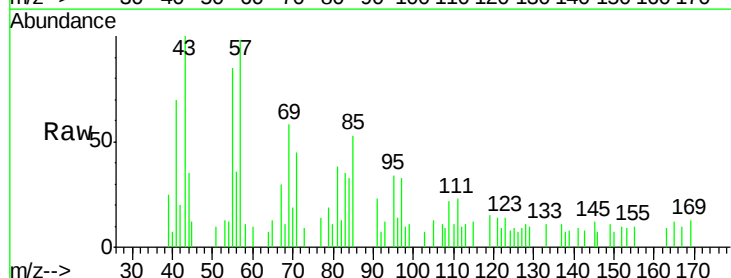
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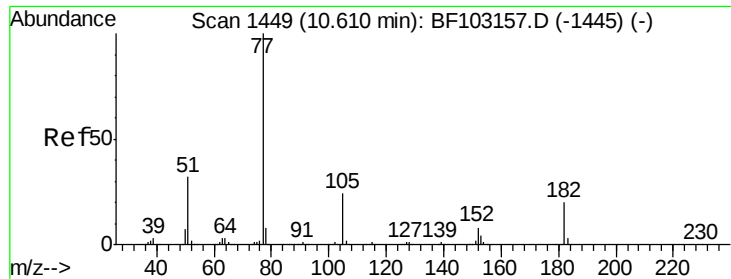
Sohil
2/23/2018 10:20:41 AM



#61
4-Nitroaniline
Concen: 0.021 ng
RT: 10.57 min Scan# 1443
Delta R.T. 0.09 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Lower	Upper
138	100		
92	106.0	30.2	70.2#
108	126.3	52.5	92.5#





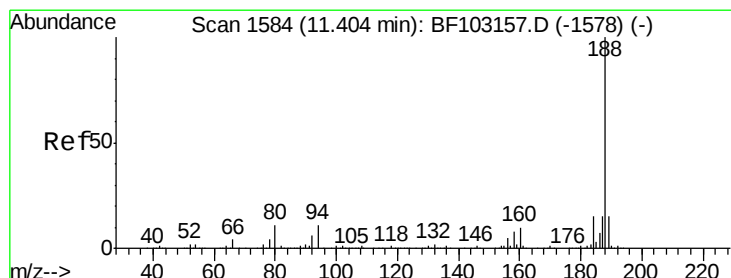
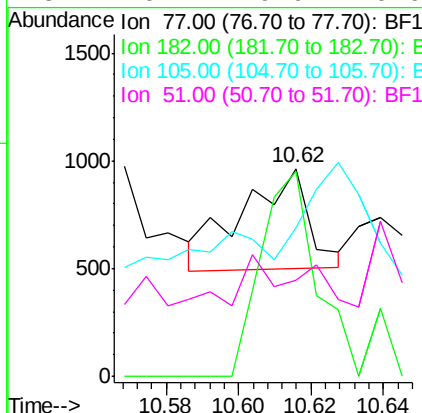
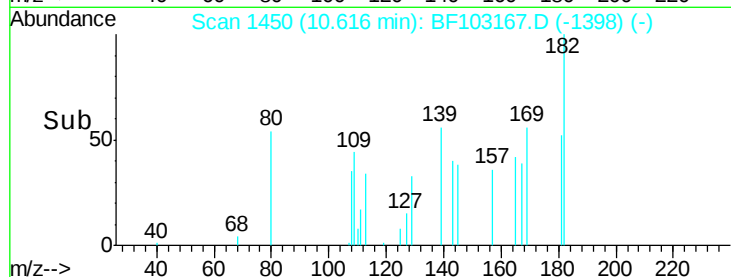
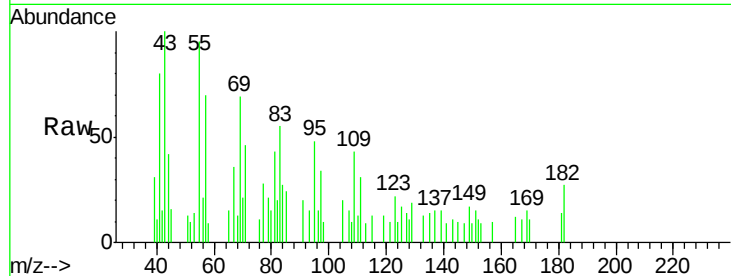
#62
Azobenzene
Concen: 0.032 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion	Ratio	Lower	Upper
77	100		
182	98.9	1.7	41.7#
105	71.6	3.0	43.0#
51	46.4	9.9	49.9

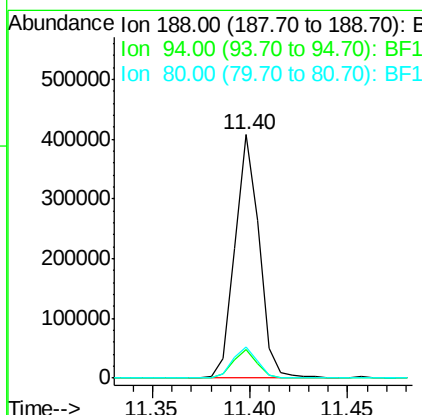
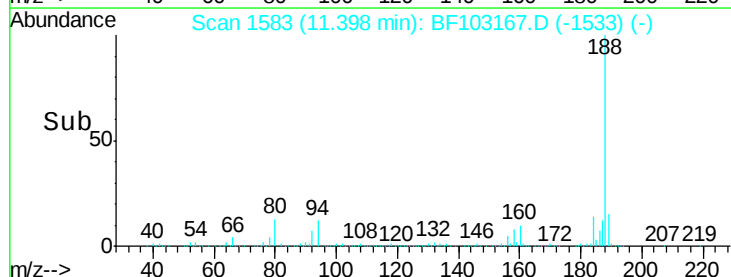
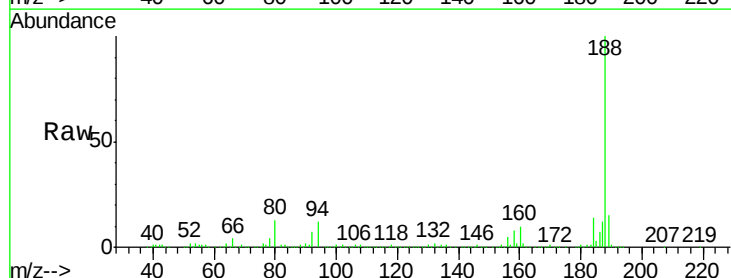
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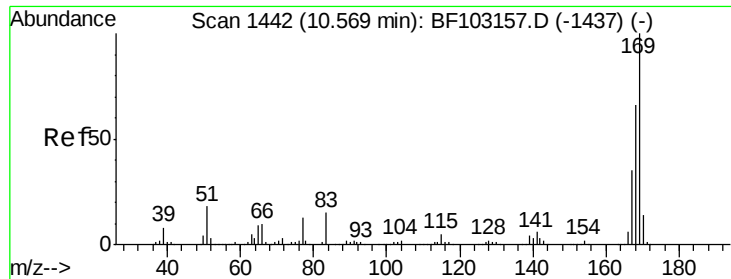
Sohil
2/23/2018 10:20:41 AM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.8	8.5	12.7
80	13.0	9.2	13.8





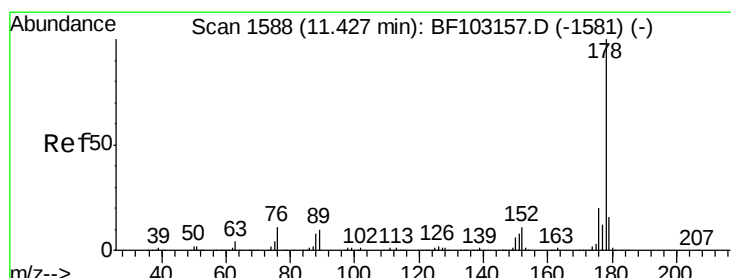
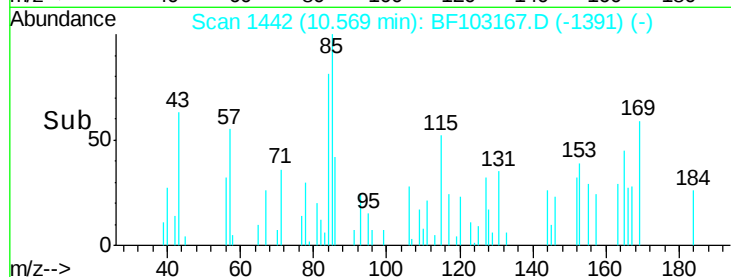
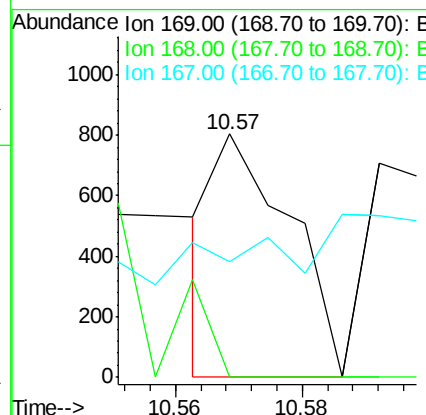
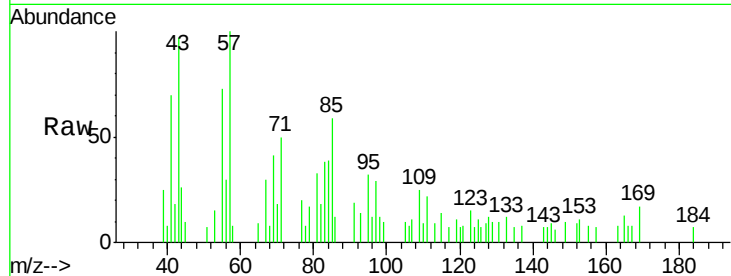
#65
n-Nitrosodiphenylamine
Concen: 0.054 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion	Ratio	Lower	Upper
169	100		
168	0.0	54.4	81.6#
167	47.4	29.8	44.6#

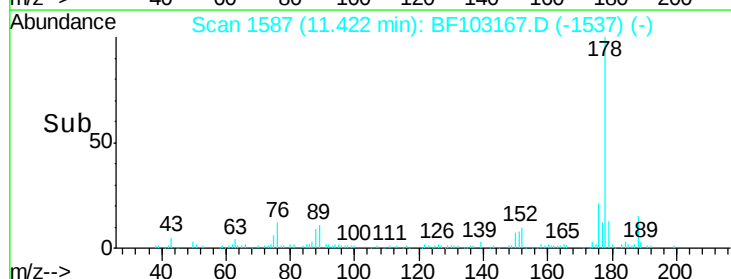
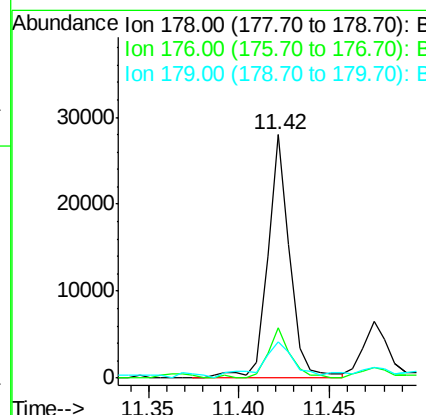
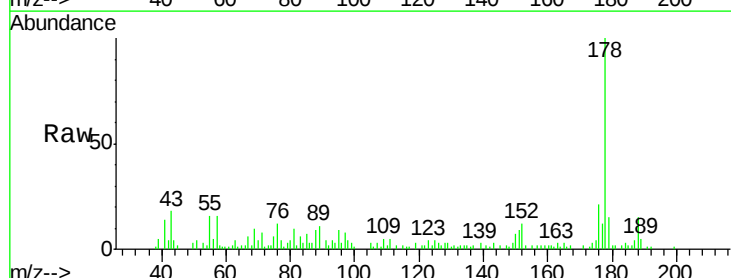
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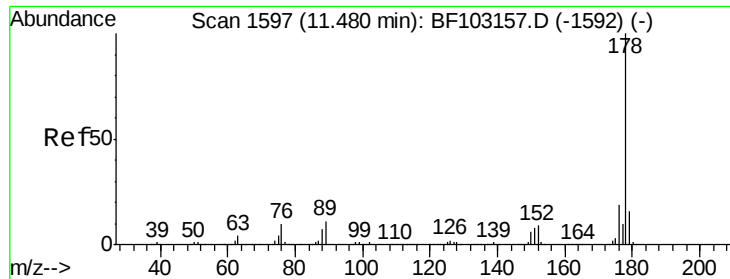
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#70
Phenanthrene
Concen: 1.229 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.8	23.8
179	15.1	13.0	19.6





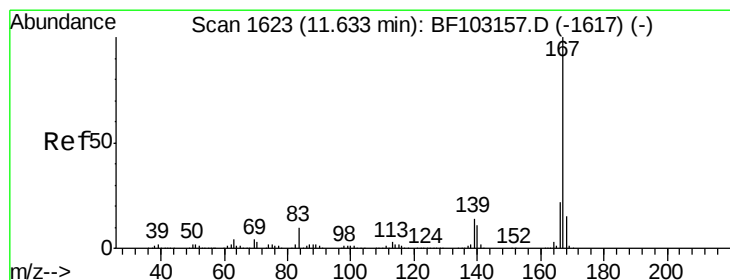
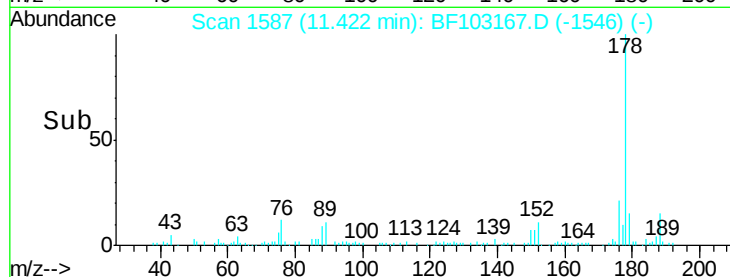
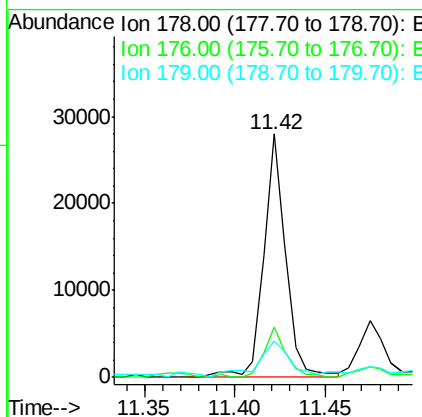
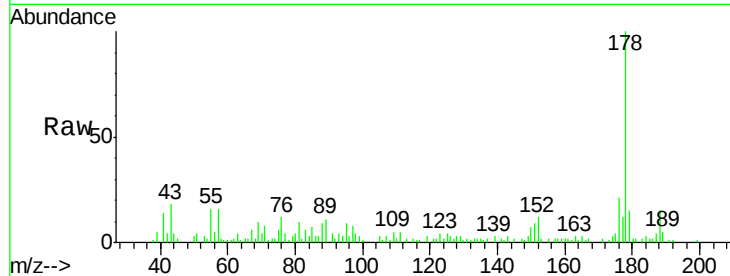
#71
 Anthracene
 Concen: 1.198 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.06 min
 Lab File: BF103167.D
 Acq: 22 Feb 2018 17:30

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.4	23.2
179	15.1	12.6	19.0

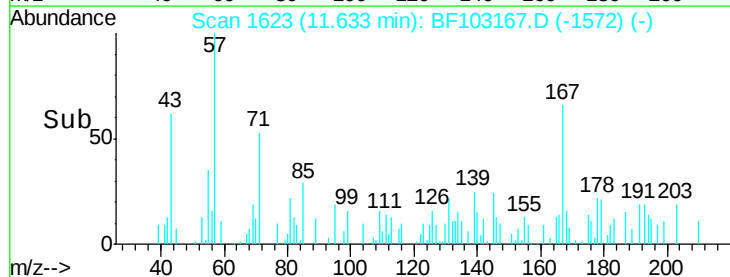
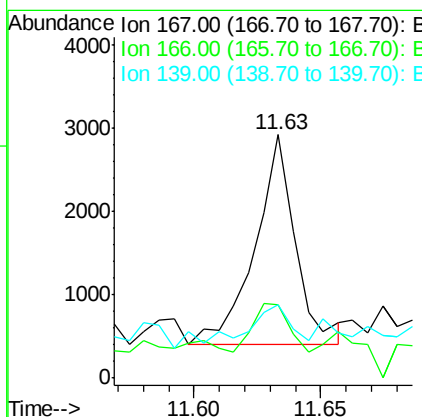
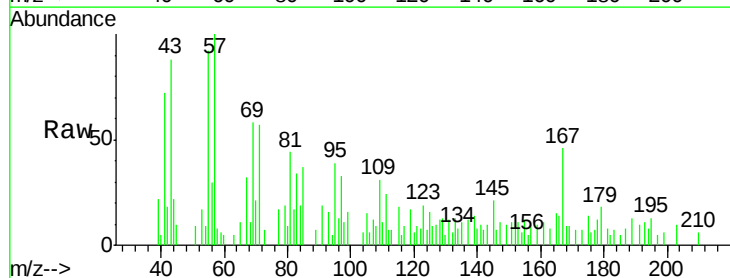
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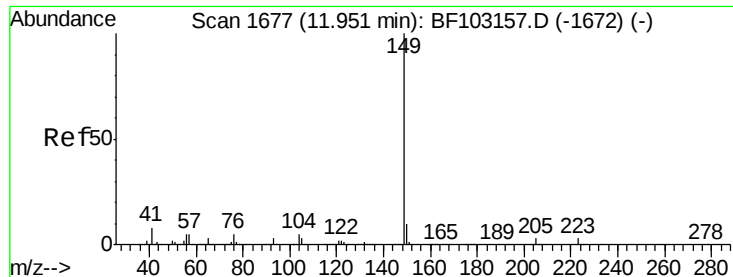
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#72
 Carbazole
 Concen: 0.141 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. -0.00 min
 Lab File: BF103167.D
 Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Lower	Upper
167	100		
166	30.3	17.6	26.4#
139	29.9	10.9	16.3#





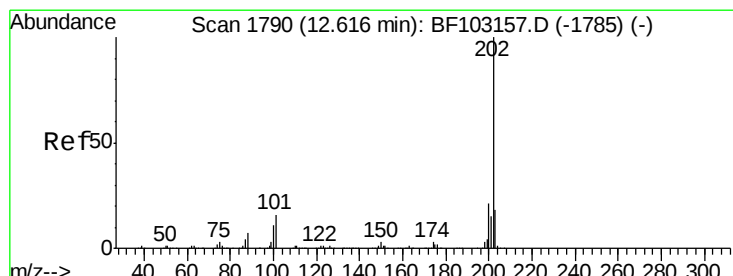
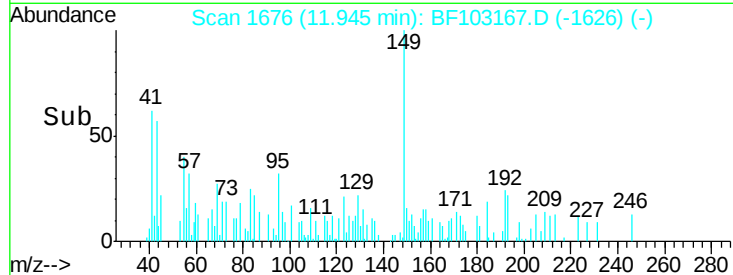
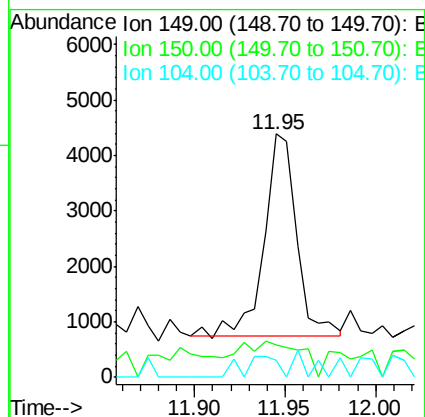
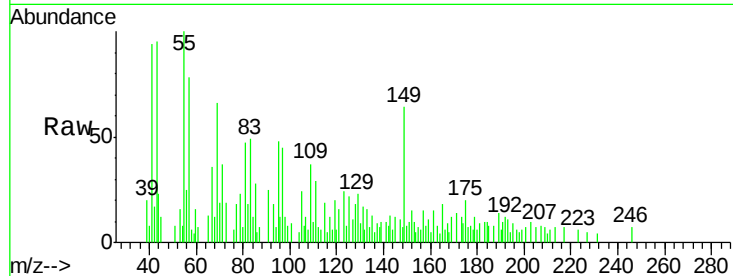
#73
Di-n-butylphthalate
Concen: 0.187 ng
RT: 11.95 min Scan# 1676
Delta R.T. -0.01 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion	Ratio	Lower	Upper
149	100		
150	13.2	7.8	11.6#
104	7.2	3.8	5.8#

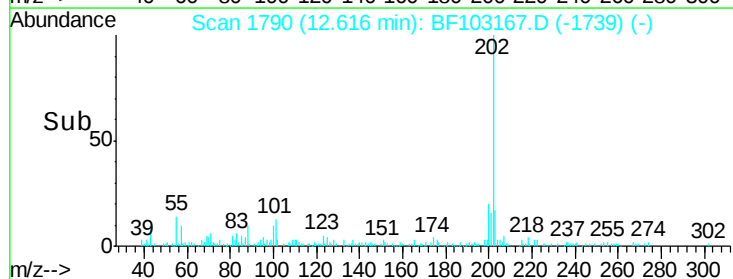
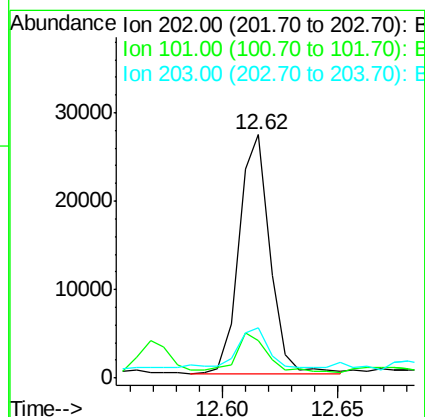
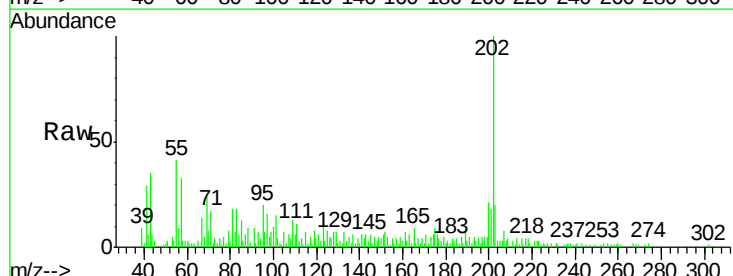
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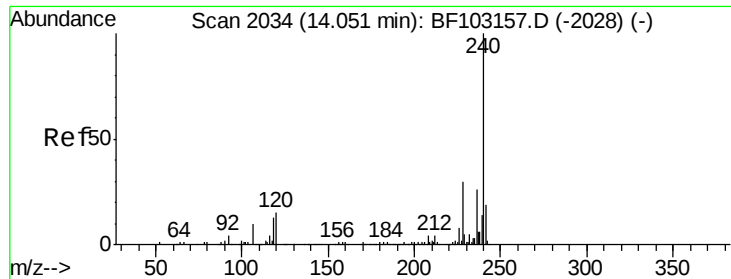
Sohil
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#74
Fluoranthene
Concen: 1.317 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.00 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.5	0.0	34.1
203	20.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103167.D

Acq: 22 Feb 2018 17:30

Instrument :

BNA_F

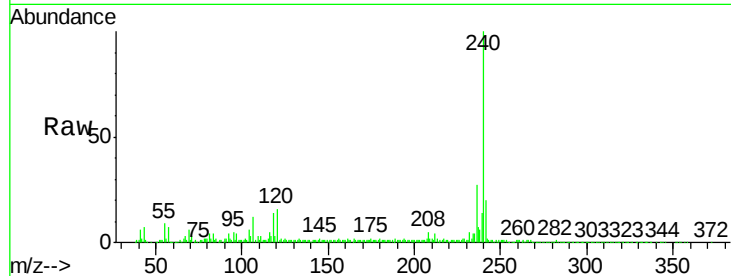
ClientSampleId :

HD-01-022118

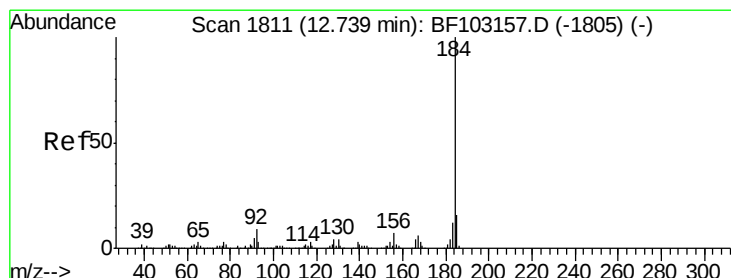
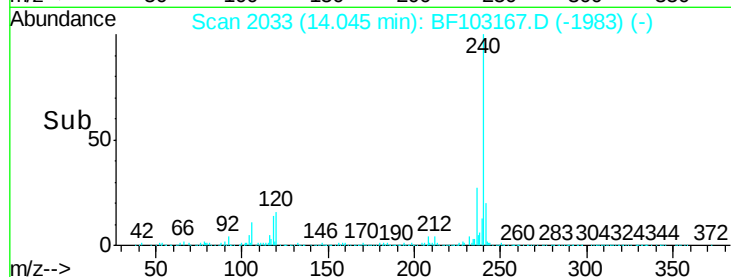
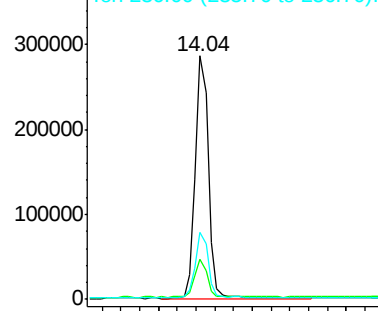
Tot Ion:	240	Resp:	280554
Ion Ratio	Lower	Upper	
240	100		
120	16.2	9.5	14.3#
236	27.3	20.7	31.1

Manual Integrations
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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: 0.035 ng

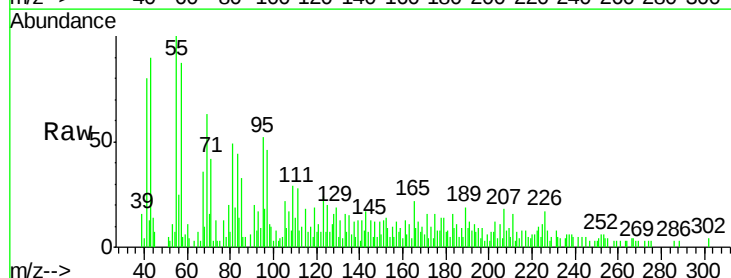
RT: 12.74 min Scan# 1811

Delta R.T. 0.00 min

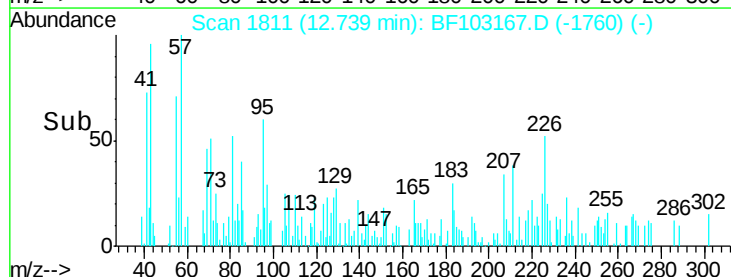
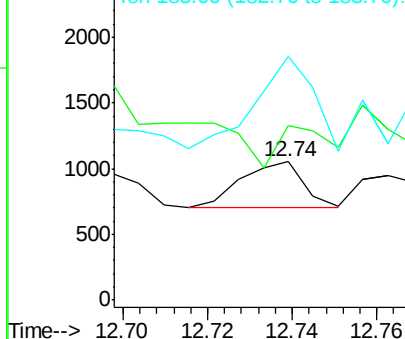
Lab File: BF103167.D

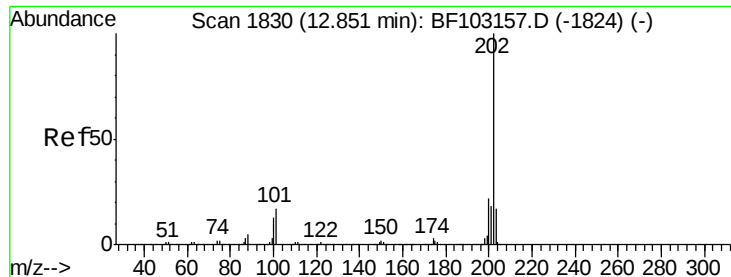
Acq: 22 Feb 2018 17:30

Tgt Ion:	184	Resp:	366
Ion Ratio	Lower	Upper	
184	100		
185	126.6	12.6	18.8#
183	176.0	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





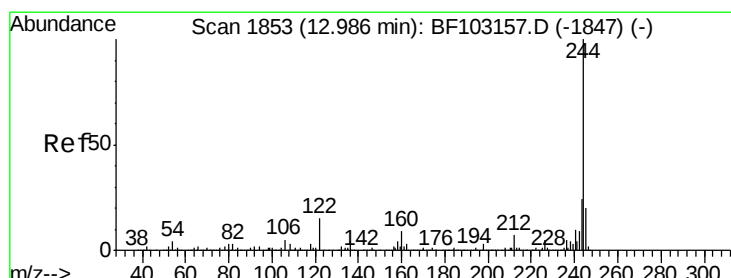
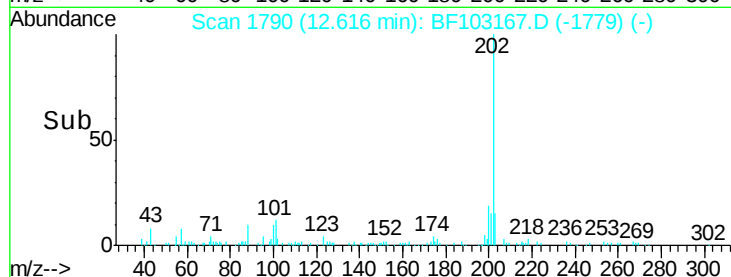
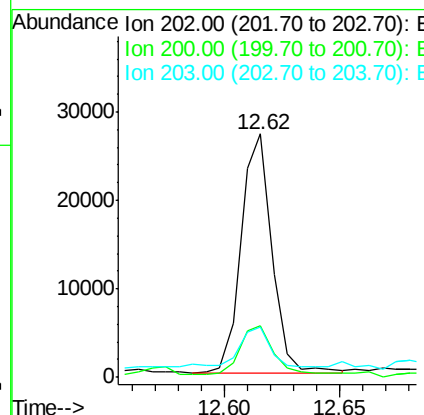
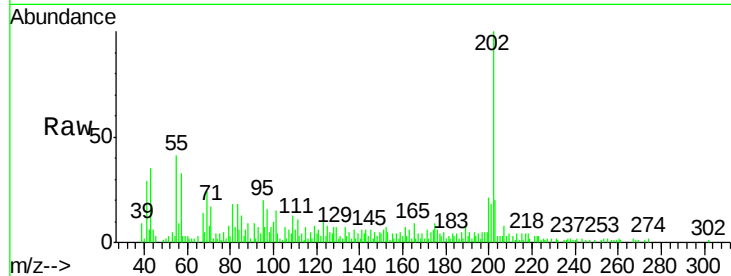
#77
Pvrene
Concen: 1.167 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.24 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.0	17.4	26.2
203	20.4	14.3	21.5

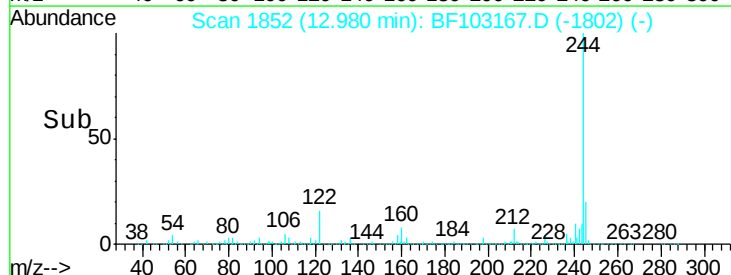
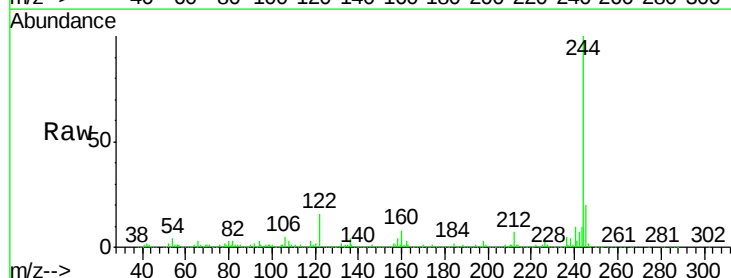
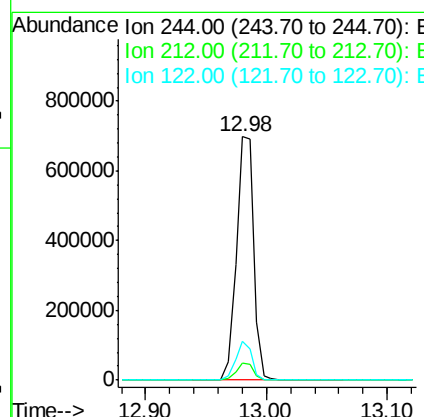
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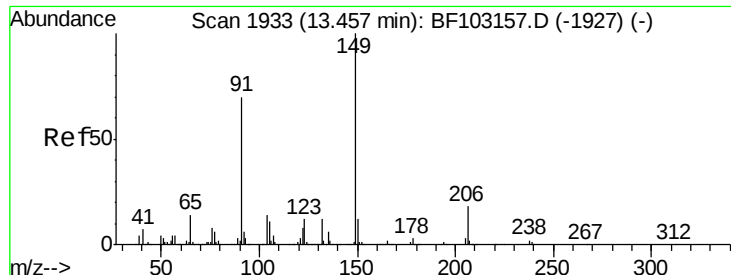
Sohil
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#78
Terphenyl-d14
Concen: 59.794 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.4	8.0
122	15.8	11.0	16.4





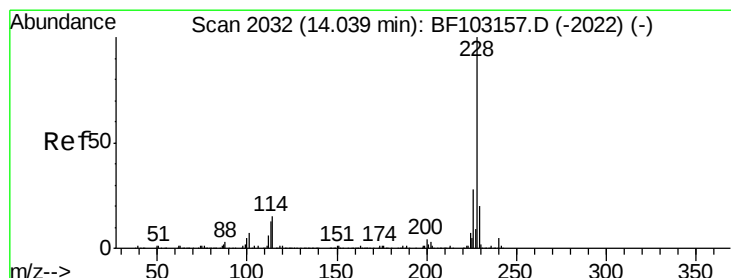
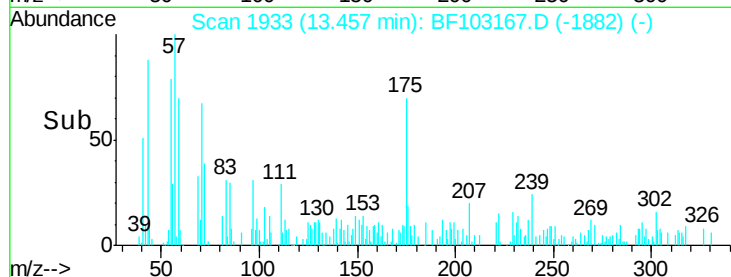
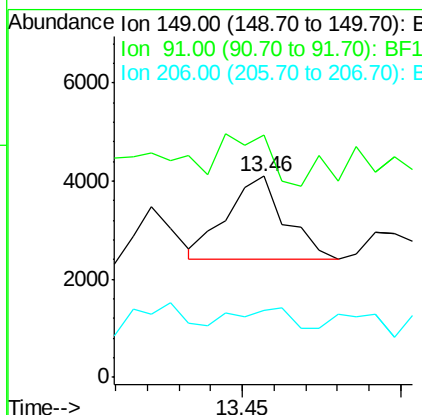
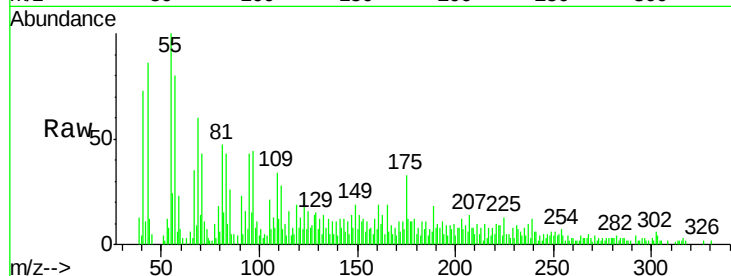
#79
Butylbenzylphthalate
Concen: 0.184 ng
RT: 13.46 min Scan# 1933
Delta R.T. -0.00 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion	Ratio	Lower	Upper
149	100		
91	120.5	56.8	85.2#
206	33.2	14.1	21.1#

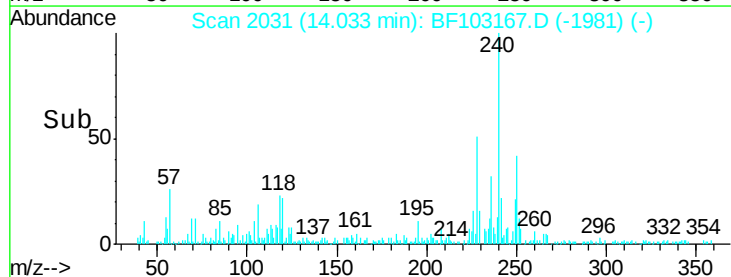
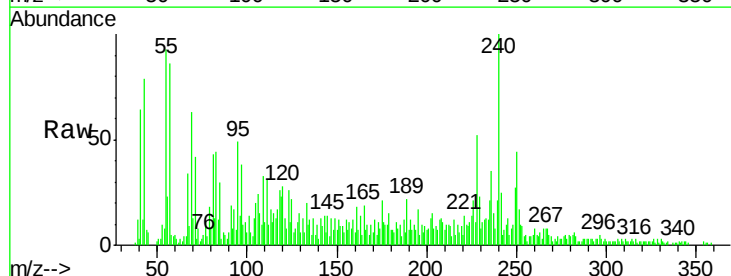
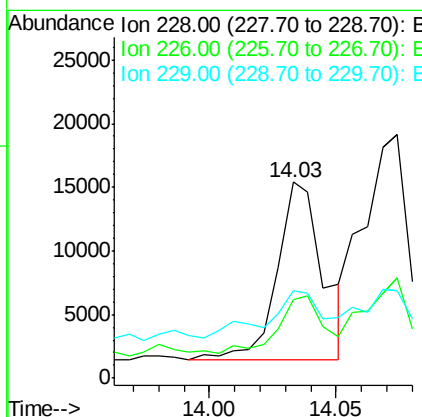
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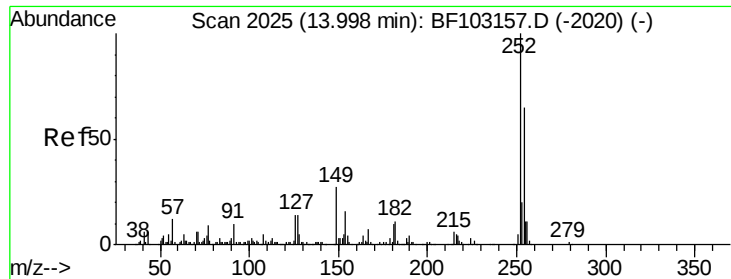
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#80
Benzo(a)anthracene
Concen: 0.980 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.2	22.6	33.8#
229	44.8	15.8	23.6#





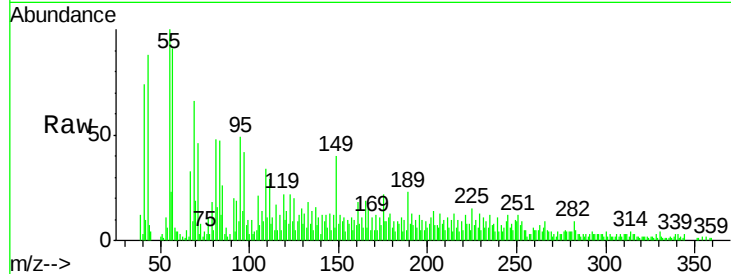
#81
 3,3'-Dichlorobenzidine
 Concen: 0.214 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF103167.D
 Acq: 22 Feb 2018 17:30

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118

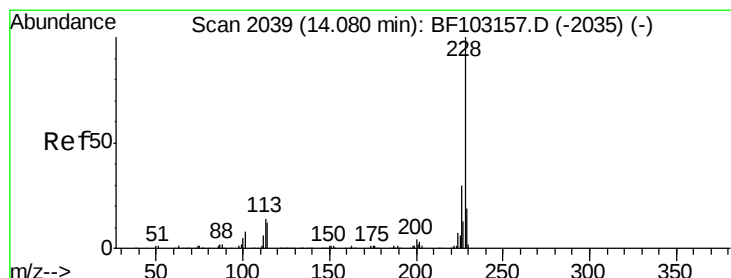
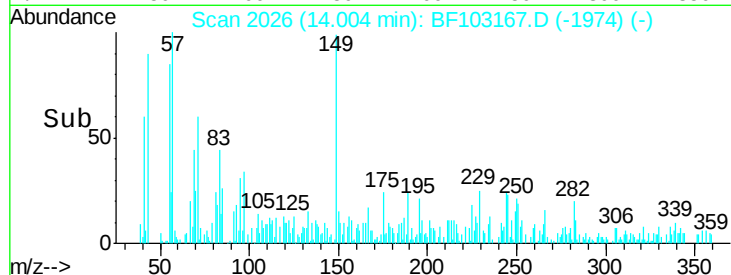
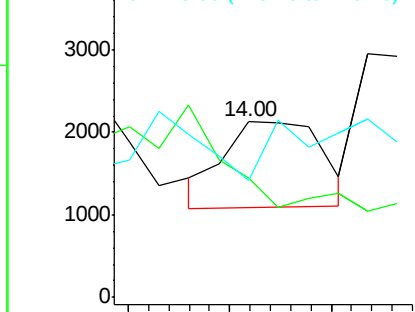
Tot Ion	Ratio	Lower	Upper
252	100		
254	68.4	50.4	75.6
126	66.5	11.3	16.9#

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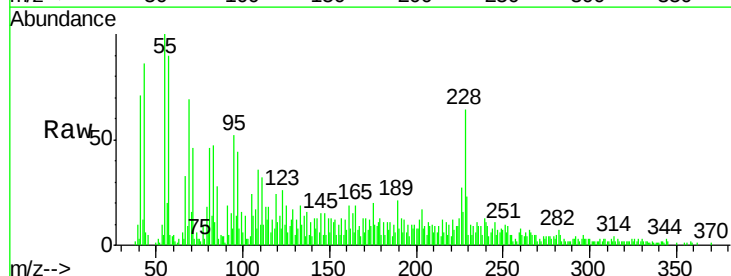


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

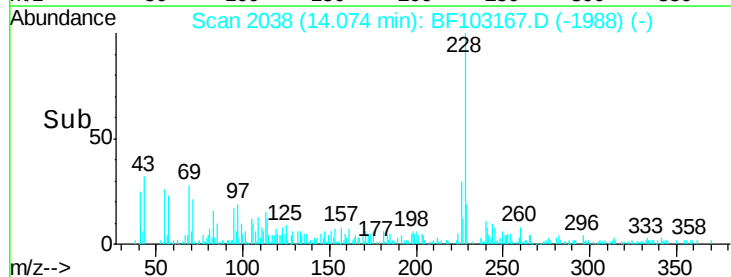
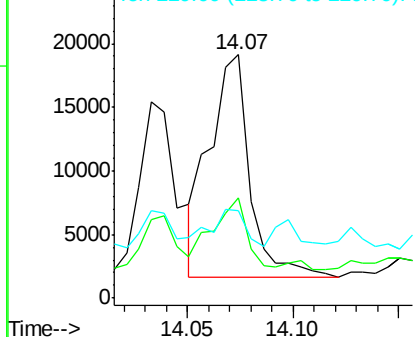


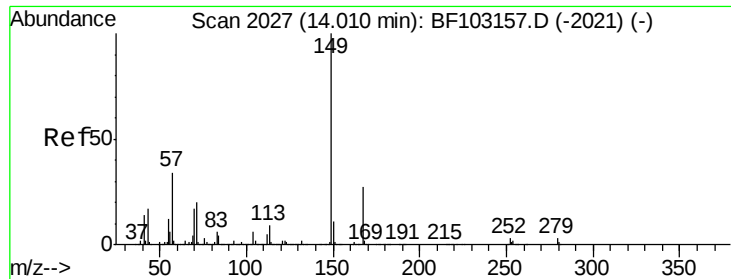
#82
 Chrysene
 Concen: 1.307 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. -0.01 min
 Lab File: BF103167.D
 Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	41.2	25.0	37.6#
229	36.0	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





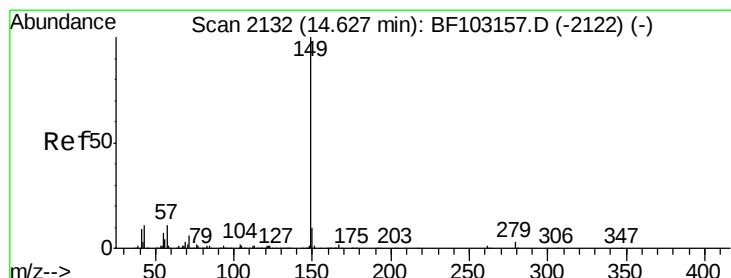
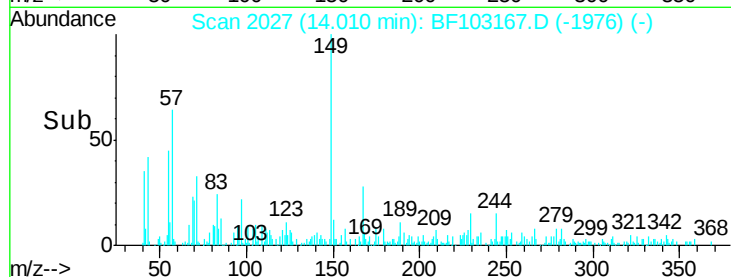
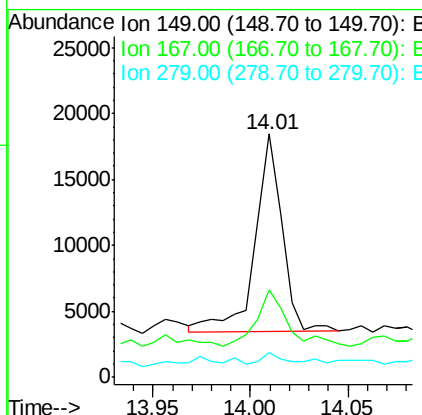
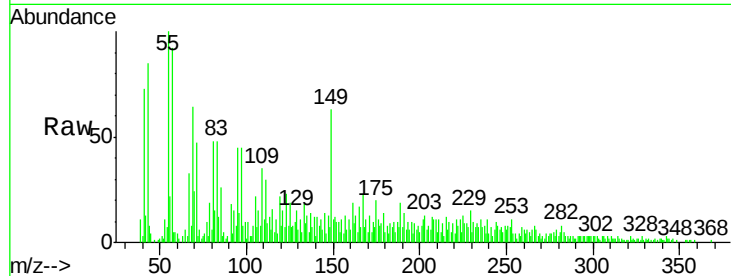
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.919 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.00 min
 Lab File: BF103167.D
 Acq: 22 Feb 2018 17:30

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-022118

Tot Ion	Ratio	Lower	Upper
149	100		
167	36.2	21.3	31.9#
279	10.2	3.0	4.4#

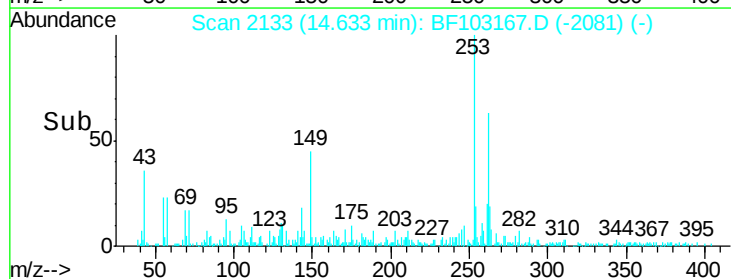
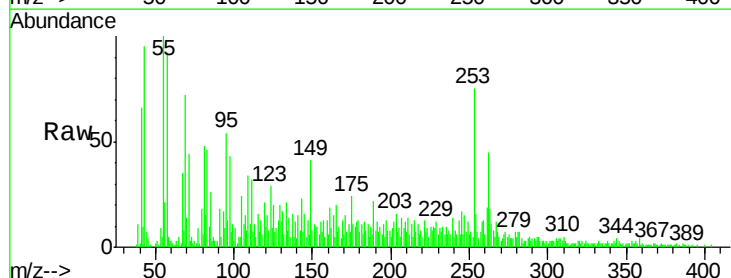
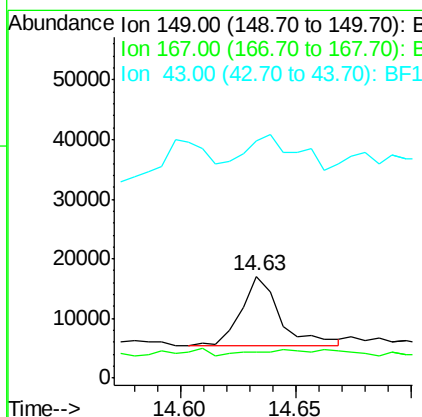
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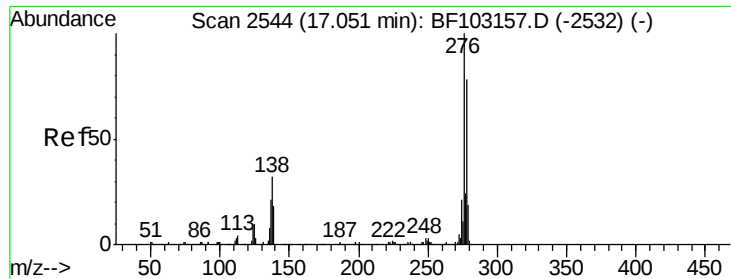
Sohil
 2/23/2018 10:20:41 AM



#84
 Di-n-octyl phthalate
 Concen: 0.542 ng
 RT: 14.63 min Scan# 2133
 Delta R.T. 0.01 min
 Lab File: BF103167.D
 Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Lower	Upper
149	100		
167	4.5	1.2	1.8#
43	65.3	8.4	12.6#





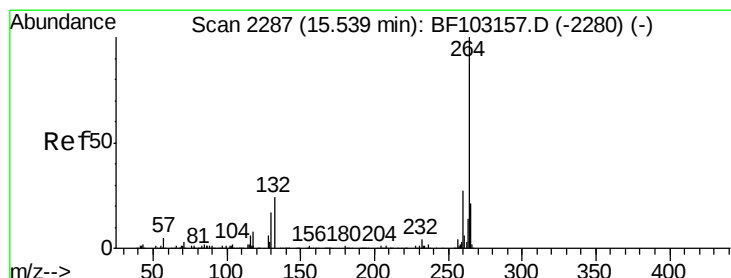
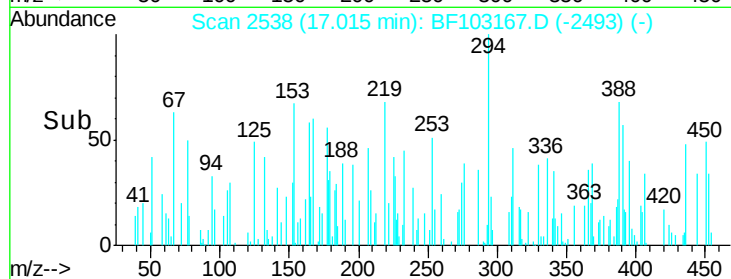
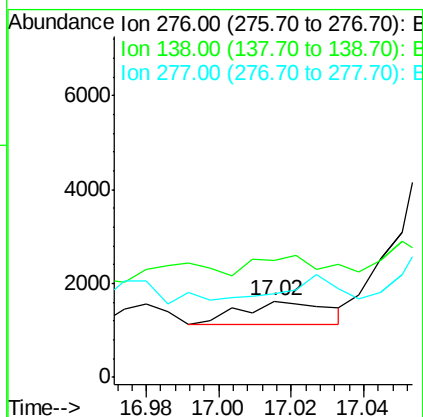
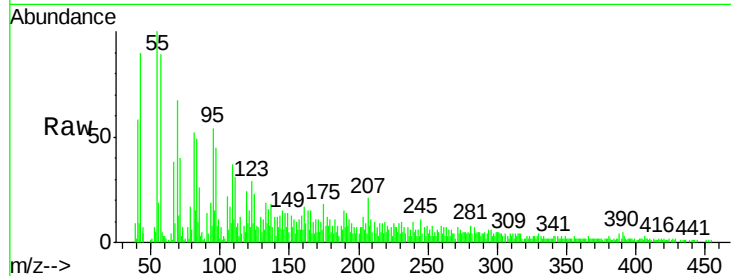
#85
Indeno(1,2,3-cd)pyrene
Concen: 0.058 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.04 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion	Ratio	Lower	Upper
276	100		
138	83.5	25.0	37.6#
277	48.5	20.1	30.1#

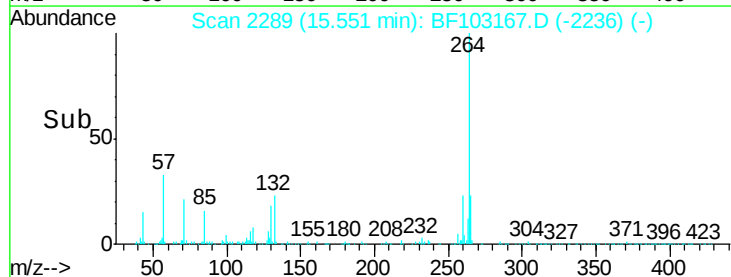
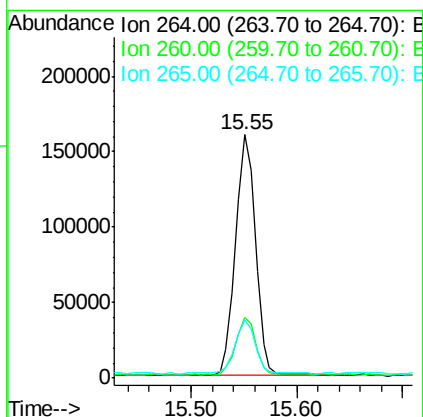
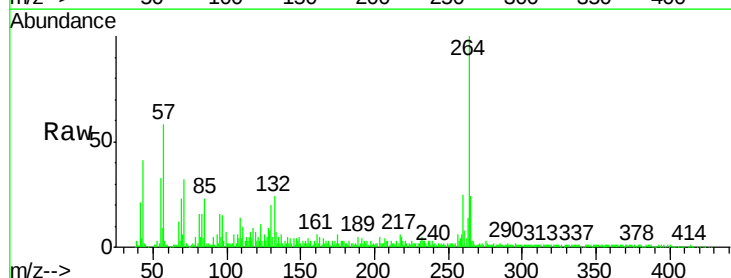
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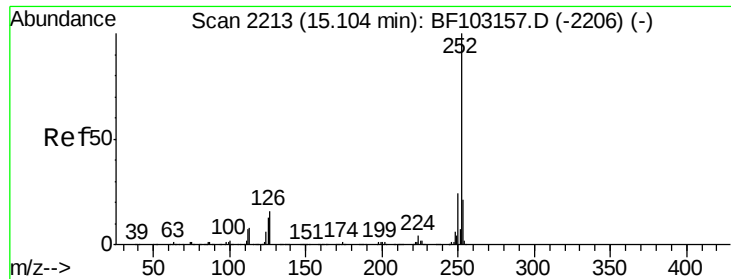
Sohil
2/23/2018 10:20:41 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.01 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	23.9	17.5	26.3





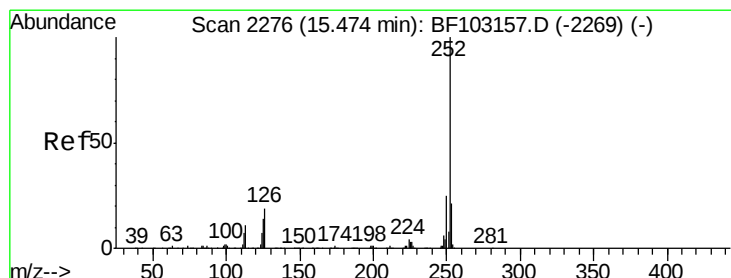
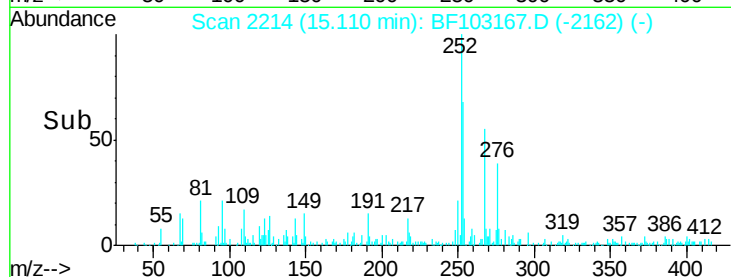
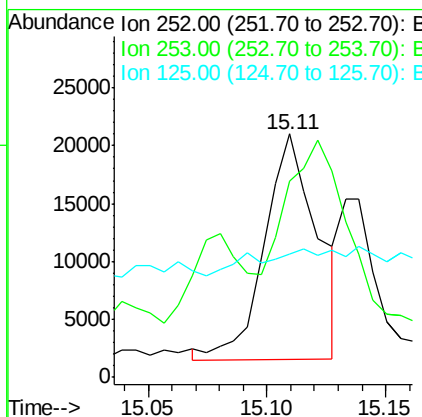
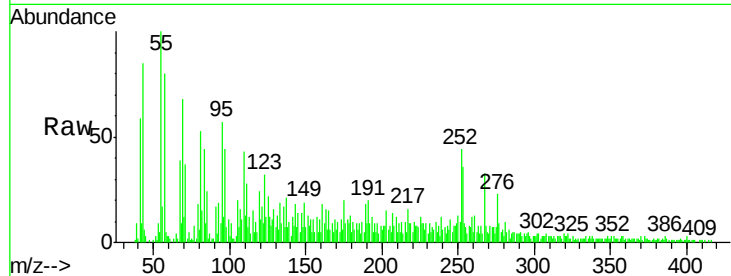
#87
Benzo(b)fluoranthene
Concen: 2.153 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion	Ratio	Lower	Upper
252	100		
253	80.4	17.0	25.6#
125	50.4	9.0	13.6#

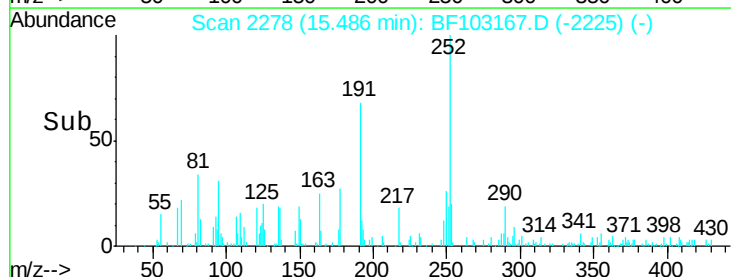
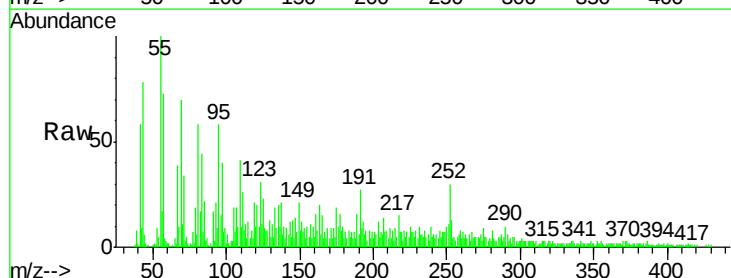
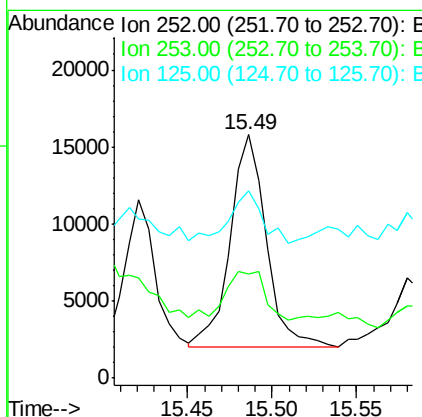
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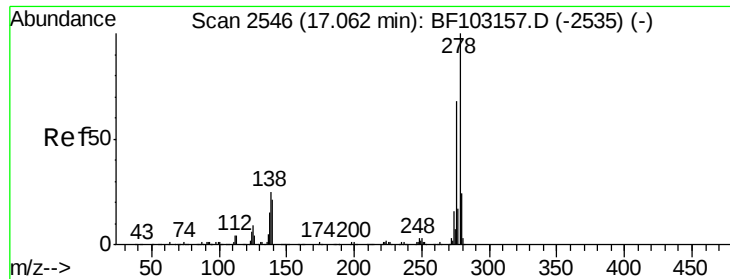
Sohil
2/23/2018 10:20:41 AM



#89
Benzo(a)pyrene
Concen: 1.649 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	42.7	17.1	25.7#
125	77.1	9.8	14.6#





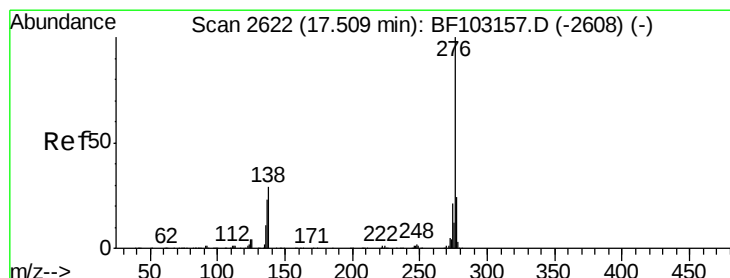
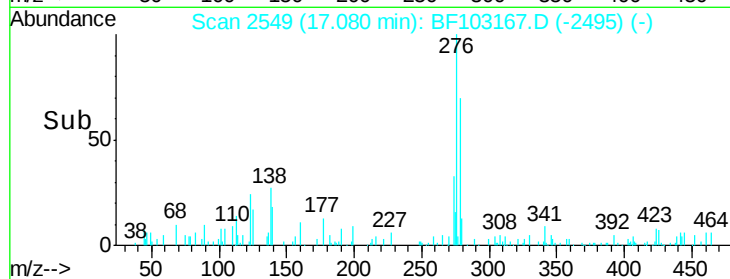
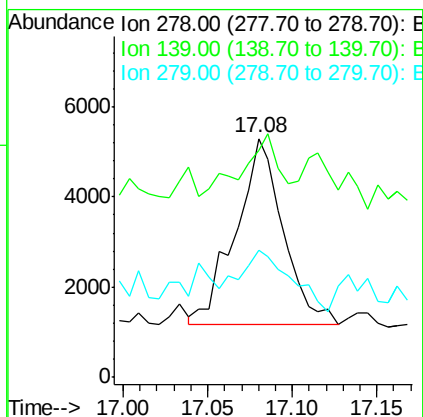
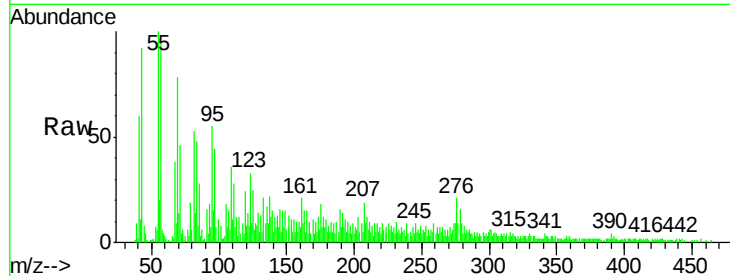
#90
Dibenzo(a,h)anthracene
Concen: 0.843 ng
RT: 17.08 min Scan# 2549
Delta R.T. 0.02 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Instrument :
BNA_F
ClientSampleId :
HD-01-022118

Tot Ion	Ratio	Lower	Upper
278	100		
139	95.0	15.9	23.9#
279	53.0	19.0	28.4#

Manual Integrations
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2/23/2018 10:20:41 AM



#91
Benzo(g,h,i)perylene
Concen: 1.600 ng
RT: 17.53 min Scan# 2626
Delta R.T. 0.02 min
Lab File: BF103167.D
Acq: 22 Feb 2018 17:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	41.9	17.9	26.9#
138	42.7	21.8	32.8#

