

Data Path : U:\HPCHEM1\BNA F\DATA\BF011618\
 Data File : BF102126.D
 Acq On : 16 Jan 2018 22:49
 Operator : SJ/JU
 Sample : J1014-01MSD 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-011518MSD

Manual Integrations
 APPROVED

Sohil
 1/17/2018 10:42:00 AM

Quant Time: Jan 17 03:33:14 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	137559	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	527145	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	222126	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	311449	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	235843	20.00	ng	-0.01
86) Perylene-d12	15.28	264	255986	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	57269	5.88	ng	-0.01
7) Phenol-d6	6.35	99	65824	5.66	ng	-0.02
23) Nitrobenzene-d5	7.27	82	39035	4.35	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	11940	6.16	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	78977	5.55	ng	-0.02
78) Terphenyl-d14	12.82	244	46988	4.14	ng	-0.01

Target Compounds

						Qvalue
8) 2-Chlorophenol	6.50	128	20633	2.112	ng	97
10) Phenol	6.36	94	26406	2.010	ng	96
13) 1,4-Dichlorobenzene	6.73	146	24164	2.150	ng	98
14) 1,2-Dichlorobenzene	6.89	146	21428	2.060	ng	98
15) Benzyl Alcohol	6.86	79	18551	2.182	ng	98
18) Hexachloroethane	7.23	117	8255	2.086	ng	90
19) n-Nitroso-di-n-propylamine	7.12	70	17368	2.280	ng	96
22) Acetophenone	7.12	105	55203	4.346	ng	# 94
24) Nitrobenzene	7.30	77	21570	2.238	ng	# 98
25) Isophorone	7.53	82	44251	2.497	ng	# 86
26) 2-Nitrophenol	7.62	139	9974	2.472	ng	# 83
27) 2,4-Dimethylphenol	7.66	122	17564	2.331	ng	93
28) bis(2-Chloroethoxy)methane	7.75	93	26020	2.431	ng	92
29) 2,4-Dichlorophenol	7.86	162	15247	2.131	ng	99
30) 1,2,4-Trichlorobenzene	7.95	180	16683	2.229	ng	98
31) Naphthalene	8.02	128	69798	2.650	ng	97
34) Hexachlorobutadiene	8.14	225	9088	2.294	ng	92
36) 4-Chloro-3-methylphenol	8.55	107	17680	2.258	ng	98
37) 2-Methylnaphthalene	8.72	142	56941	3.284	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.88	216	15920	2.533	ng	96
42) 2,4,6-Trichlorophenol	8.99	196	10146	2.343	ng	97
43) 2,4,5-Trichlorophenol	9.03	196	10072	2.058	ng	# 79
45) 1,1'-Biphenyl	9.17	154	50682	2.581	ng	97
46) 2-Chloronaphthalene	9.20	162	34626	2.274	ng	96
47) 2-Nitroaniline	9.30	65	9196	2.016	ng	95
48) Acenaphthylene	9.62	152	59666	2.469	ng	99
49) Dimethylphthalate	9.47	163	48293	2.710	ng	# 96
50) 2,6-Dinitrotoluene	9.54	165	8756	2.460	ng	92
51) Acenaphthene	9.79	154	35229	2.402	ng	94
54) Dibenzofuran	9.96	168	49445	2.457	ng	98
55) 4-Nitrophenol	9.87	139	11683	3.490	ng	83
56) 2,4-Dinitrotoluene	9.94	165	9036	2.025	ng	# 95
57) Fluorene	10.30	166	45084	3.240	ng	99
59) Diethylphthalate	10.17	149	39034	2.202	ng	96

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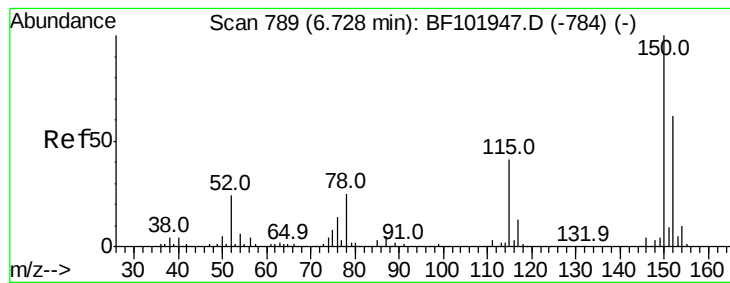
Manual Integrations
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 1/17/2018 10:42:00 AM

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 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) 4-Chlorophenyl-phenylether	10.29	204	16107	2.719	nq	93
65) n-Nitrosodiphenylamine	10.41	169	33401	2.864	nq	95
66) 4-Bromophenyl-phenylether	10.78	248	8345	2.537	nq	97
67) Hexachlorobenzene	10.84	284	8488	2.364	nq	95
68) Atrazine	10.93	200	9879	2.931	nq	95
69) Pentachlorophenol	11.04	266	5788	2.644	nq	98
70) Phenanthrene	11.26	178	96914	5.327	nq	97
71) Anthracene	11.31	178	55453	3.005	nq	99
72) Carbazole	11.46	167	40289	2.222	nq	97
73) Di-n-butylphthalate	11.80	149	52756	2.371	nq	99
74) Fluoranthene	12.44	202	97962	5.473	nq	96
77) Pyrene	12.67	202	102595	4.921	nq	97
80) Benzo(a)anthracene	13.86	228	66292	4.406	nq	97
82) Chrysene	13.89	228	66243	4.222	nq	99
83) Bis(2-ethylhexyl)phthalate	13.85	149	23002	2.096	nq	96
84) Di-n-octyl phthalate	14.46	149	42085	2.311	nq	# 99
85) Indeno(1,2,3-cd)pyrene	16.64	276	45437	3.979	nq	94
87) Benzo(b)fluoranthene	14.87	252	78324m	4.693	nq	
88) Benzo(k)fluoranthene	14.90	252	45330	2.815	nq	99
89) Benzo(a)pyrene	15.22	252	62006	4.128	nq	96
90) Dibenzo(a,h)anthracene	16.66	278	30722	2.563	nq	# 91
91) Benzo(g,h,i)perylene	17.06	276	40167	3.327	nq	# 90

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



#1

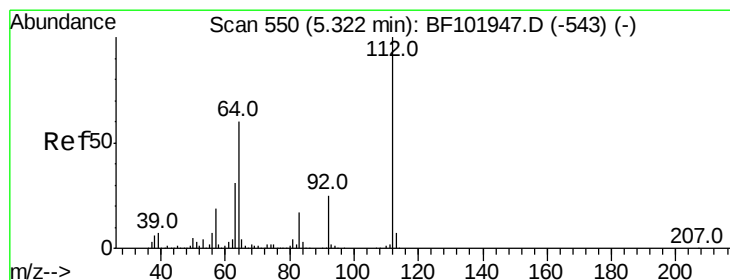
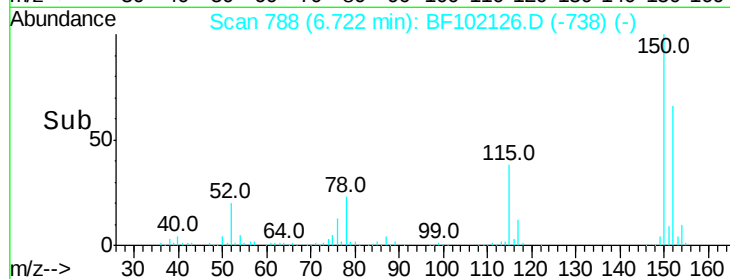
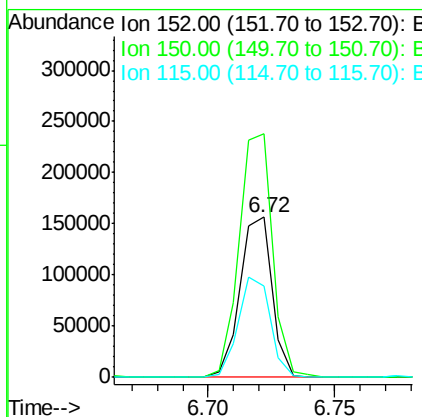
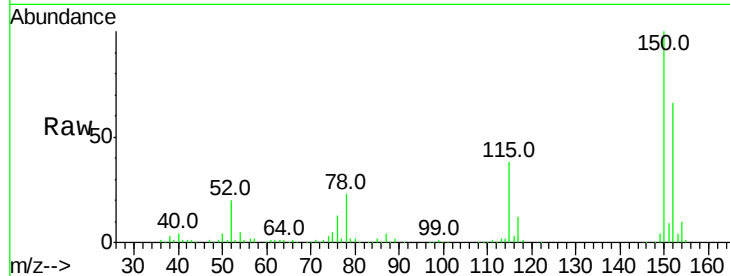
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Instrument :
BNA_F
ClientSampleId :
HD-01-011518MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.6	186.8
115	57.4	50.1	75.1

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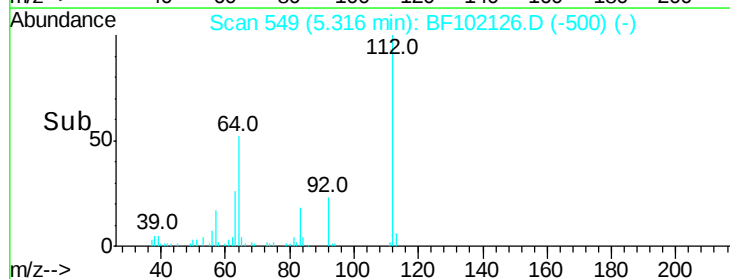
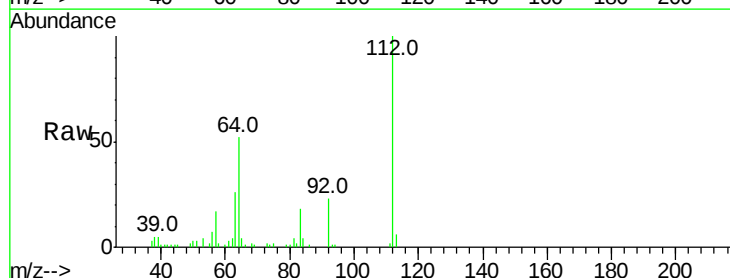
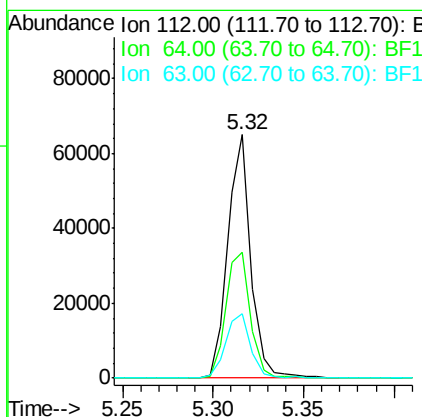
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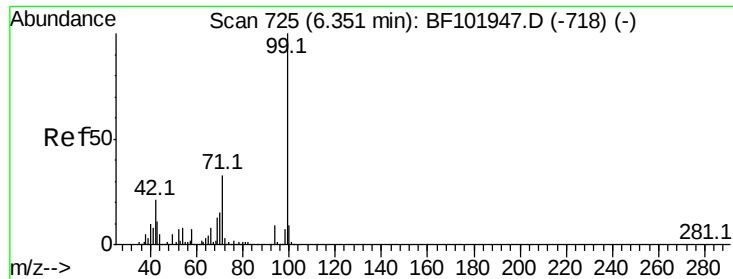


#5

2-Fluorophenol
Concen: 5.879 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	47.9	71.9
63	26.4	23.7	35.5





#7

Phenol-d6

Concen: 5.663 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA_F

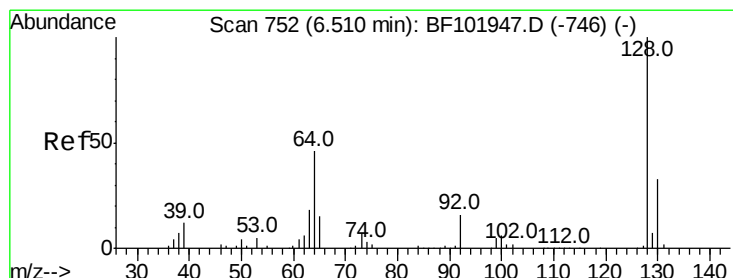
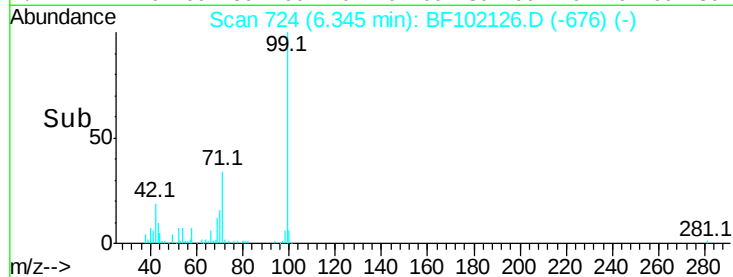
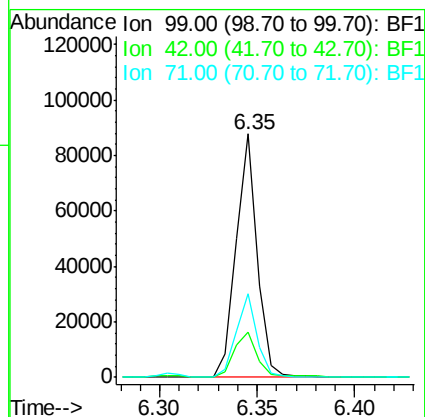
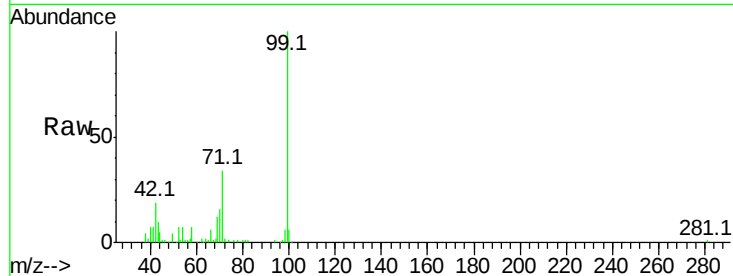
ClientSampleId :

HD-01-011518MSD

Tot Ion:	99	Resp:	65824
Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.5	21.7
71	34.2	25.4	38.0

Manual Integrations
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#8

2-Chlorophenol

Concen: 2.112 ng

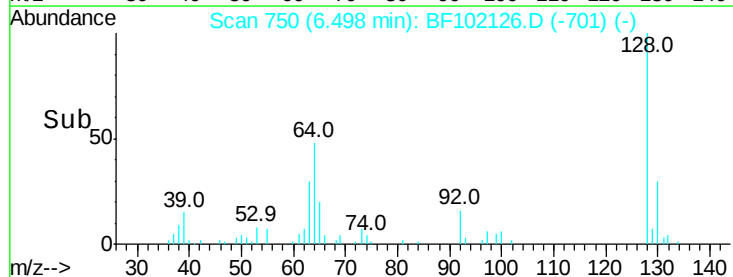
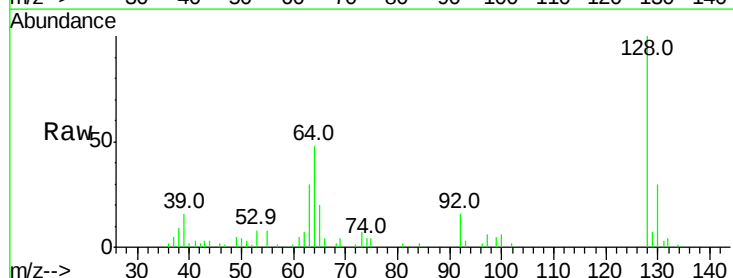
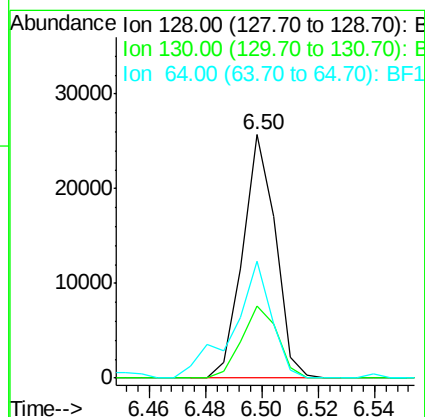
RT: 6.50 min Scan# 750

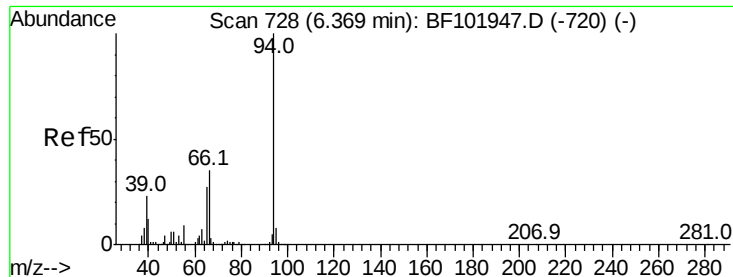
Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Tgt Ion:	128	Resp:	20633
Ion	Ratio	Lower	Upper
128	100		
130	29.9	13.0	53.0
64	48.3	29.4	69.4





#10

Phenol

Concen: 2.010 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA_F

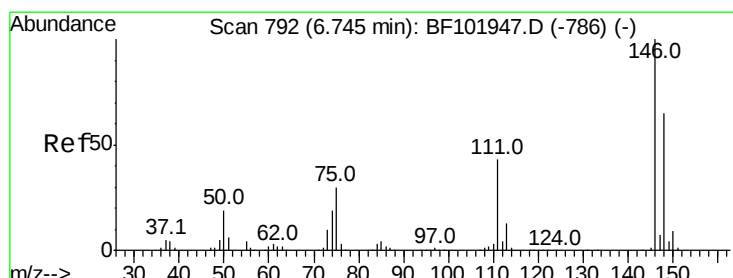
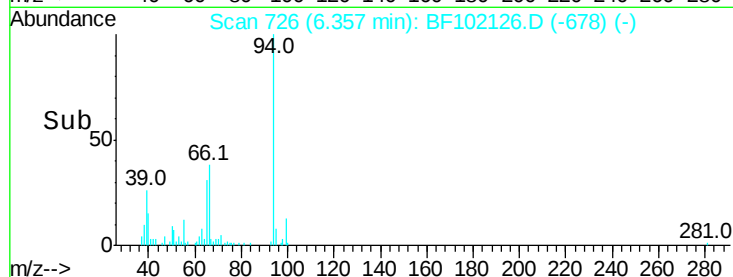
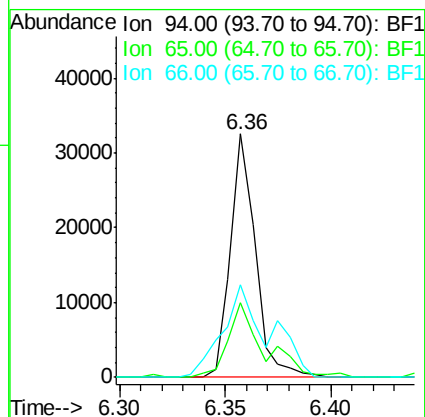
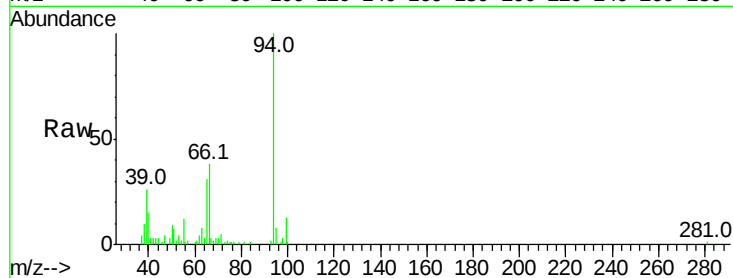
ClientSampleId :

HD-01-011518MSD

Tot Ion:	94	Resp:	26406
Ion Ratio	Lower	Upper	
94	100		
65	30.6	7.9	47.9
66	38.1	16.2	56.2

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#13

1,4-Dichlorobenzene

Concen: 2.150 ng

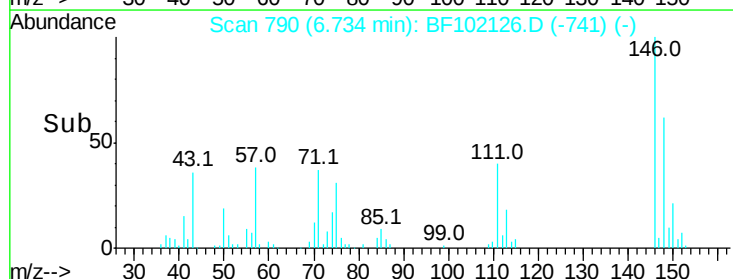
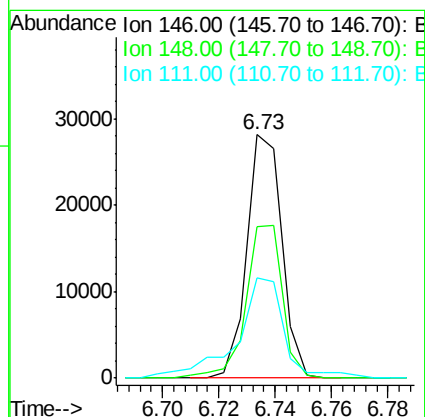
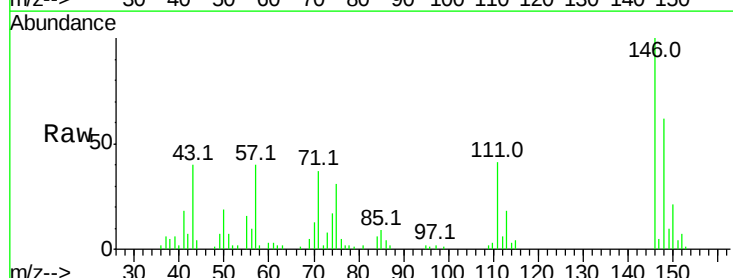
RT: 6.73 min Scan# 790

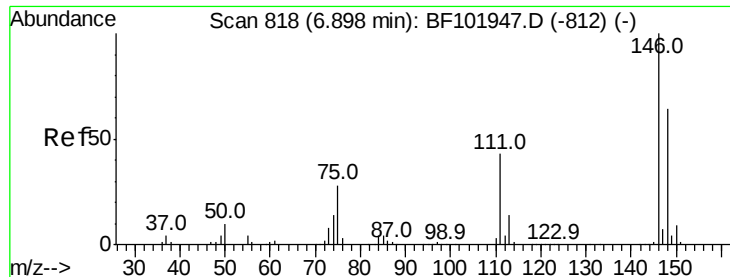
Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Tgt Ion:	146	Resp:	24164
Ion Ratio	Lower	Upper	
146	100		
148	62.3	50.8	76.2
111	41.3	34.2	51.2





#14

1,2-Dichlorobenzene

Concen: 2.060 ng

RT: 6.89 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA_F

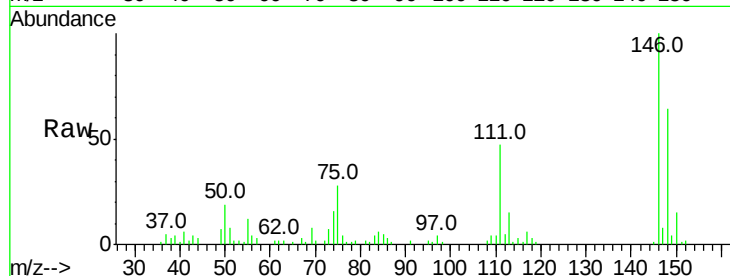
ClientSampleId :

HD-01-011518MSD

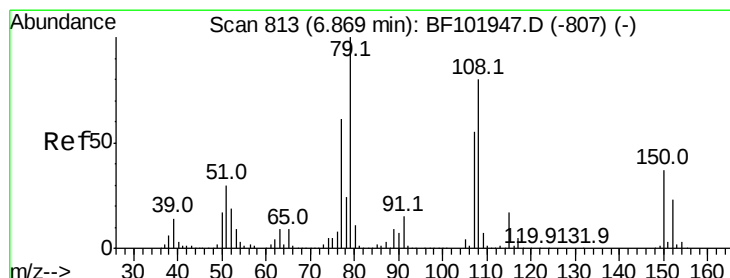
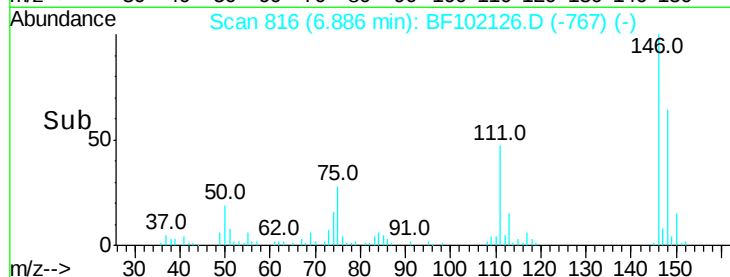
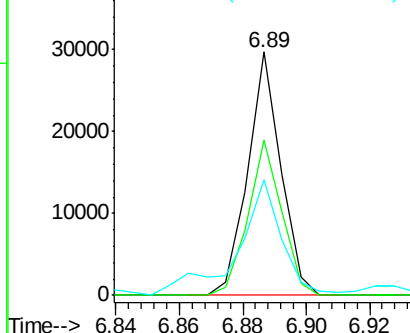
Tot Ion:	146	Resp:	21428
Ion Ratio	Lower	Upper	
146	100		
148	63.5	50.6	75.8
111	47.4	36.0	54.0

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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



#15

Benzyl Alcohol

Concen: 2.182 ng

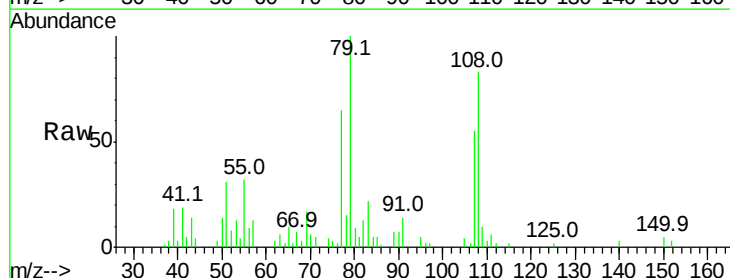
RT: 6.86 min Scan# 811

Delta R.T. -0.01 min

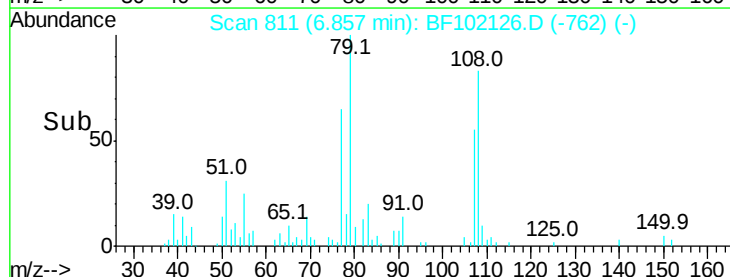
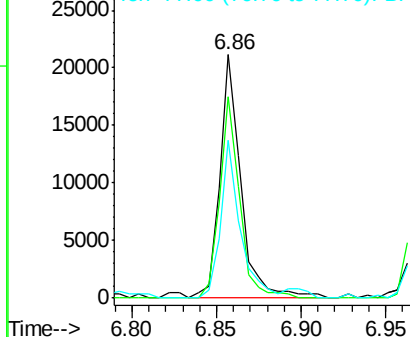
Lab File: BF102126.D

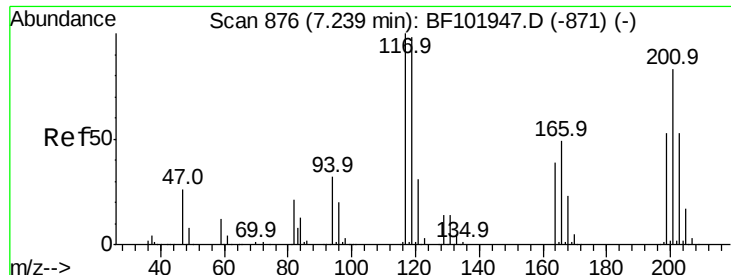
Acq: 16 Jan 2018 22:49

Tgt Ion:	79	Resp:	18551
Ion Ratio	Lower	Upper	
79	100		
108	82.8	65.1	97.7
77	64.8	50.6	75.8



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1





#18

Hexachloroethane

Concen: 2.086 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA_F

ClientSampleId :

HD-01-011518MSD

Tot Ion:117 Resp: 8255

Ion Ratio Lower Upper

117 100

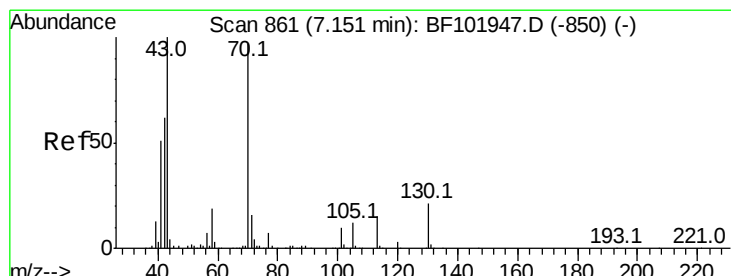
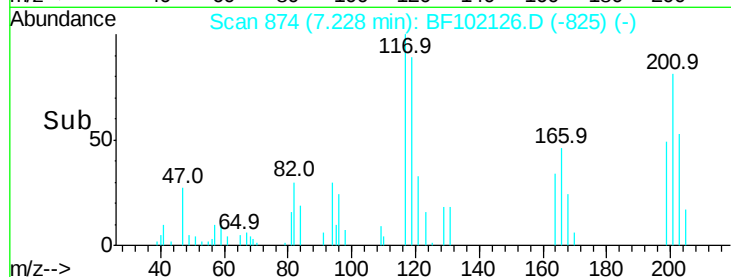
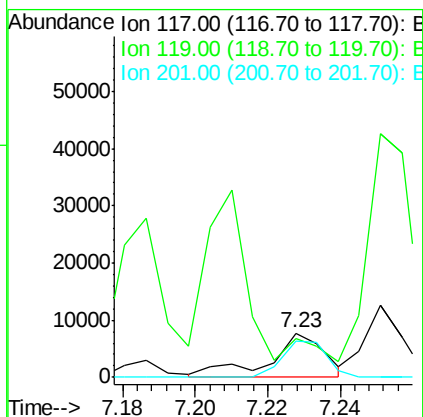
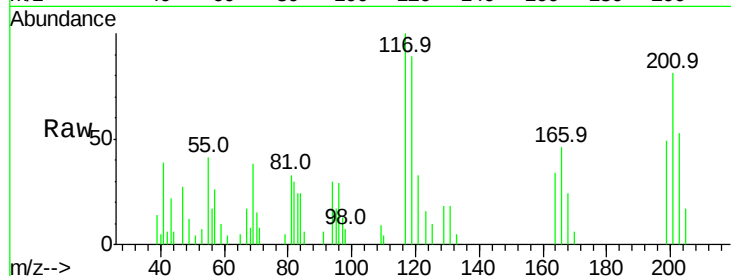
119 88.7 75.8 113.8

201 81.1 75.7 113.5

Manual Integrations
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#19

n-Nitroso-di-n-propylamine

Concen: 2.280 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.03 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Tgt Ion: 70 Resp: 17368

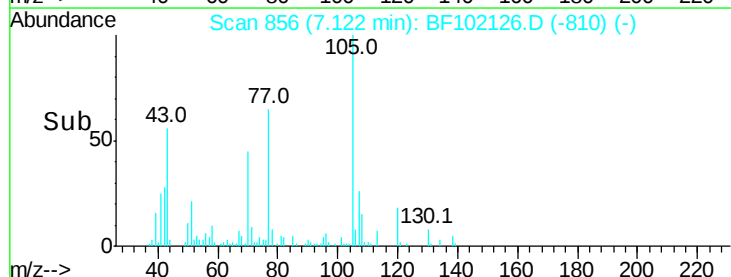
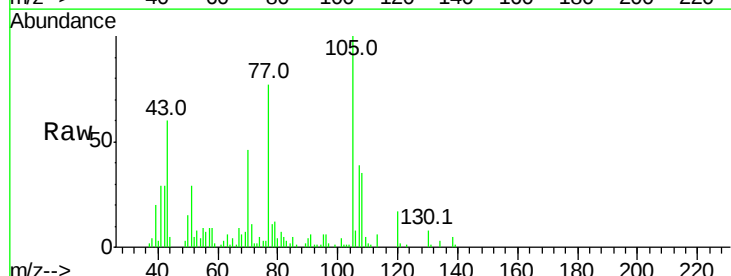
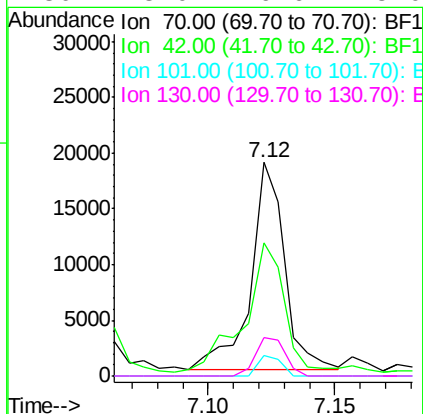
Ion Ratio Lower Upper

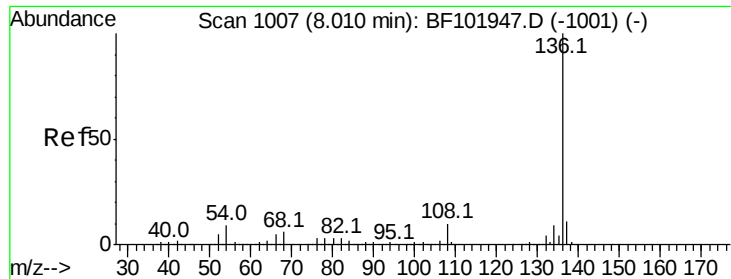
70 100

42 62.5 47.5 71.3

101 9.5 7.4 11.2

130 18.0 16.6 25.0





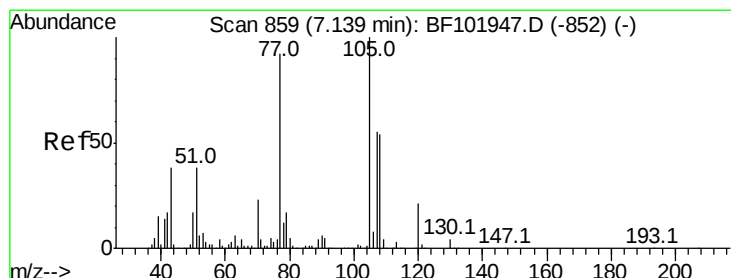
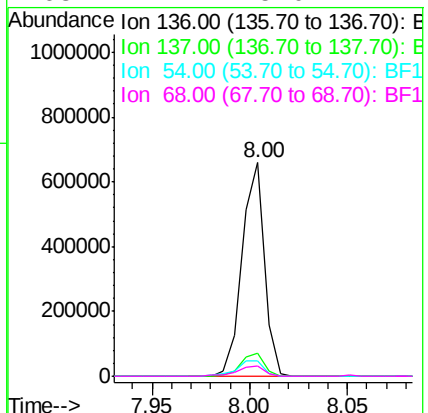
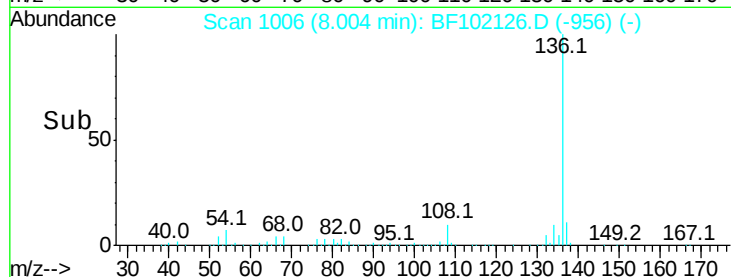
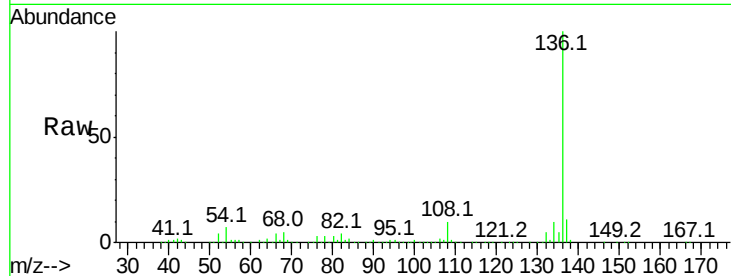
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Instrument :
BNA_F
ClientSampleId :
HD-01-011518MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.9	13.3	
54	7.1	6.6	9.8	
68	4.7	5.0	7.4	

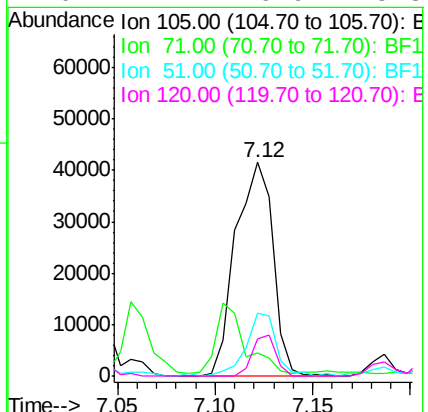
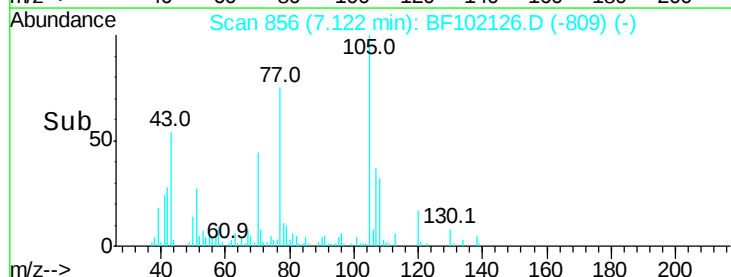
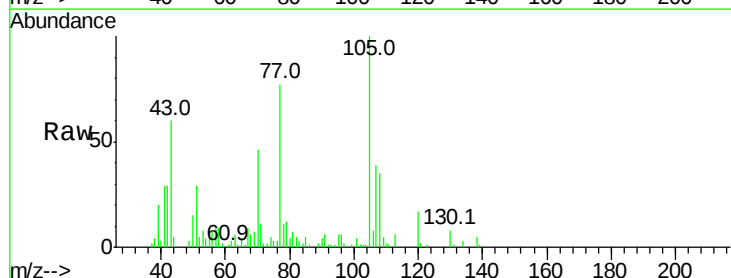
Manual Integrations
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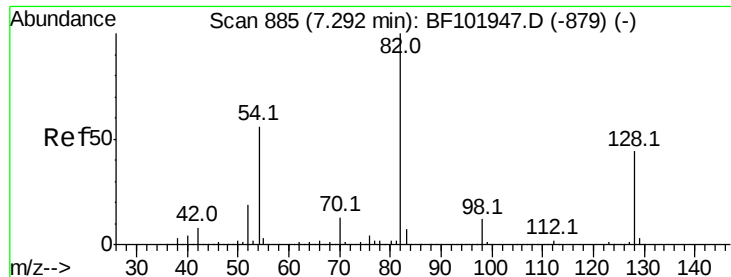
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#22
Acetophenone
Concen: 4.346 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.02 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	10.5	4.4	6.6	
51	29.3	22.3	33.5	
120	17.4	16.9	25.3	





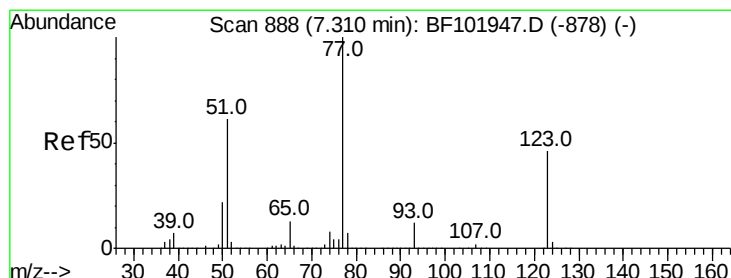
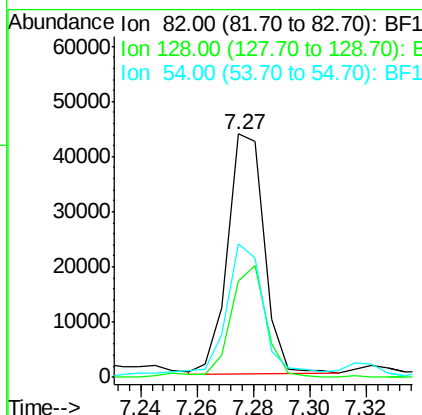
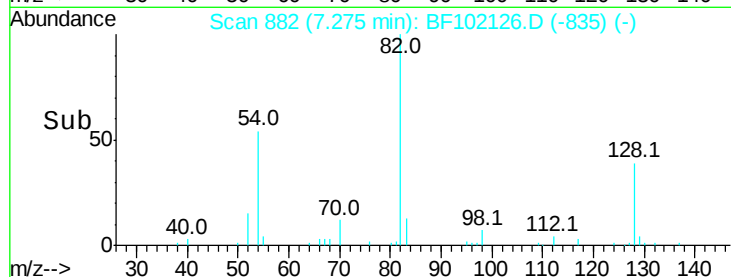
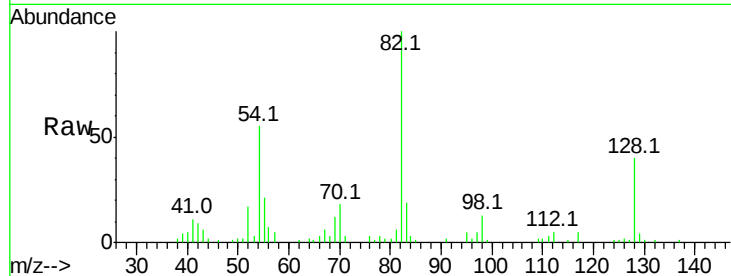
#23
Nitrobenzene-d5
Concen: 4.351 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Instrument :
BNA_F
ClientSampleId :
HD-01-011518MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.7	36.1	54.1
54	54.8	41.4	62.2

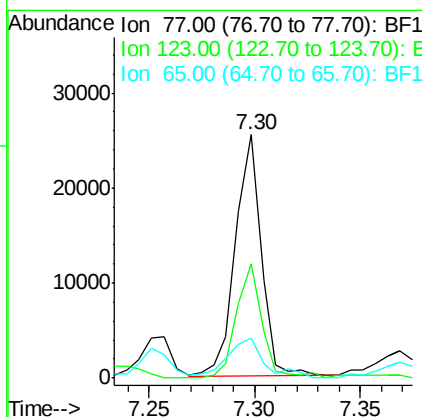
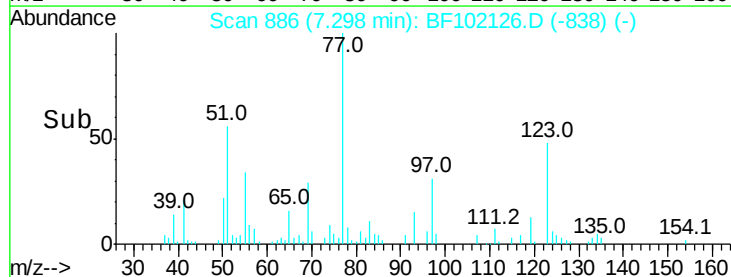
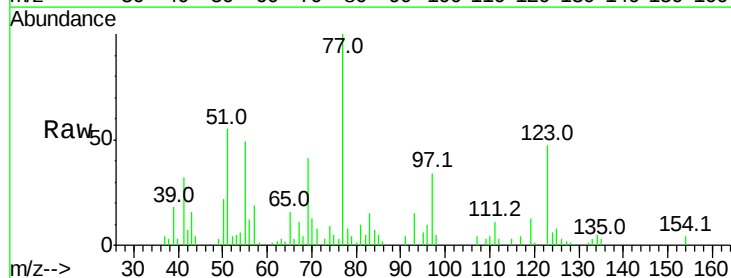
Manual Integrations
APPROVED

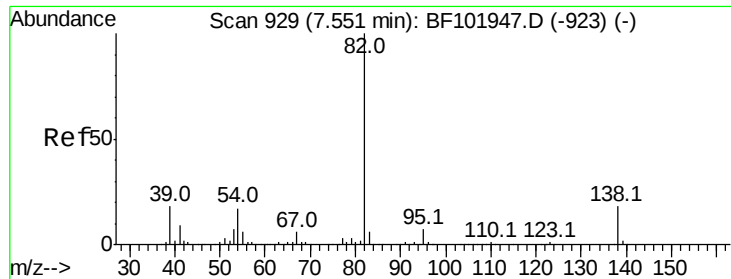
Sohil
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#24
Nitrobenzene
Concen: 2.238 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.8	37.9	56.9
65	16.5	11.0	16.4#





#25

Isophorone

Concen: 2.497 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.02 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA_F

ClientSampleId :

HD-01-011518MSD

Tot Ion: 82 Resp: 44251

Ion Ratio Lower Upper

82 100

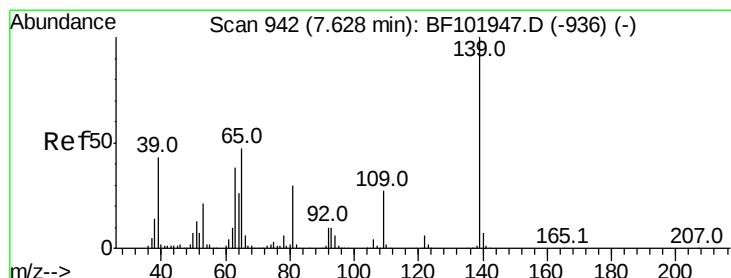
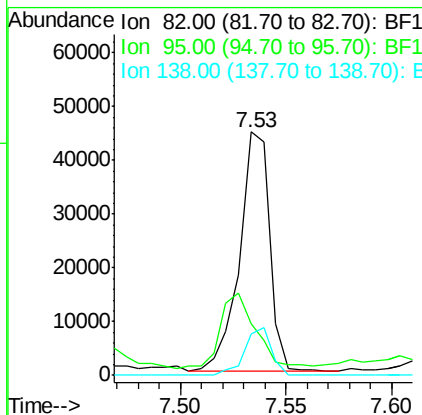
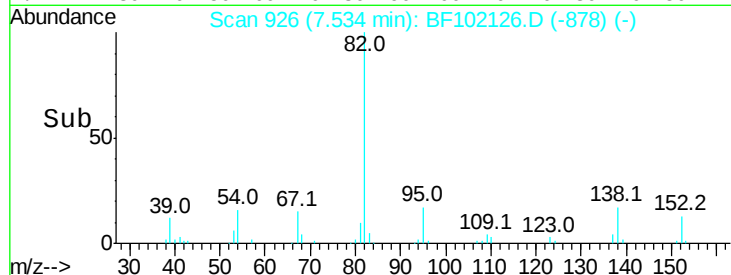
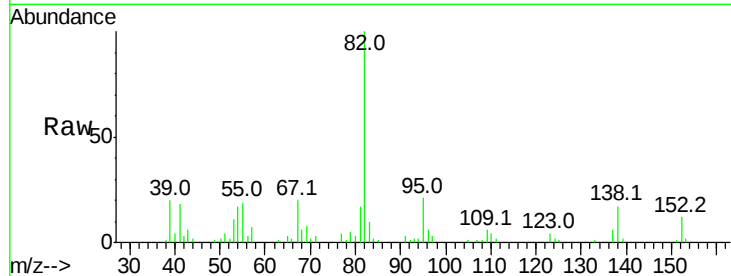
95 21.0 5.2 7.8#

138 16.8 14.9 22.3

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#26

2-Nitrophenol

Concen: 2.472 ng

RT: 7.62 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

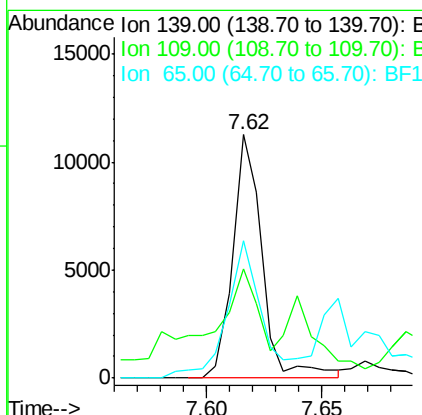
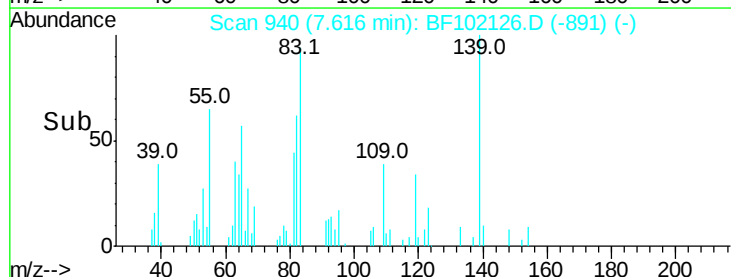
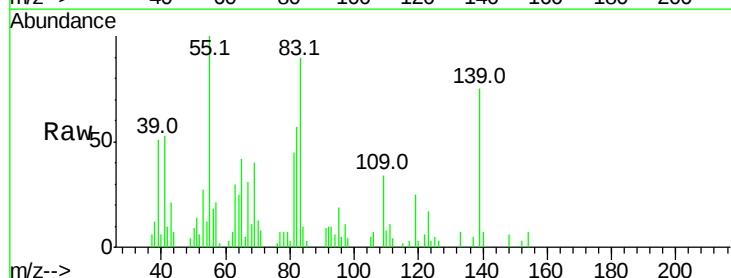
Tgt Ion: 139 Resp: 9974

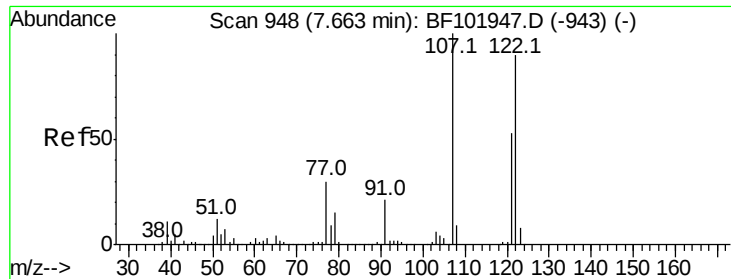
Ion Ratio Lower Upper

139 100

109 45.1 22.7 34.1#

65 56.7 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 2.331 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA_F

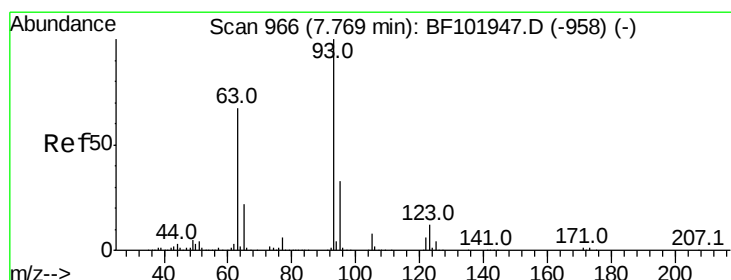
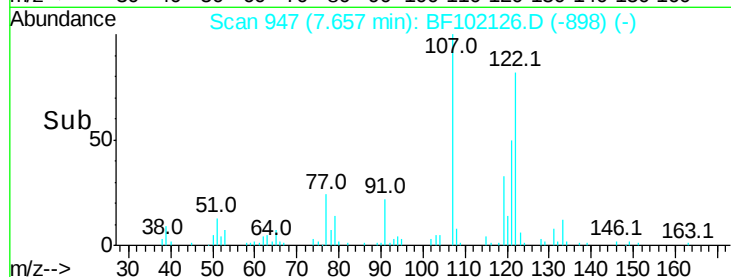
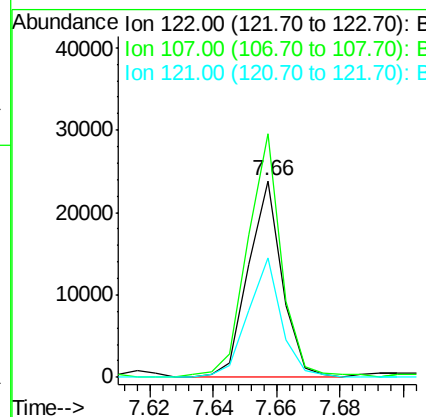
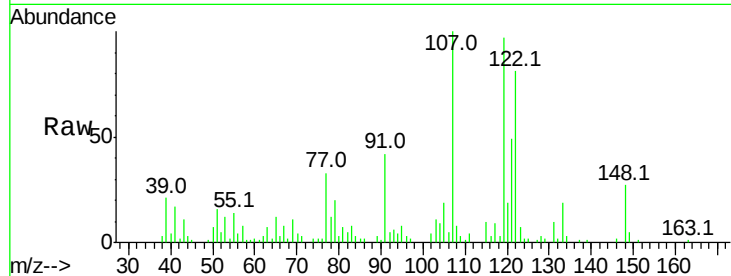
ClientSampleId :

HD-01-011518MSD

Tot Ion:	122	Resp:	17564
Ion Ratio	Lower	Upper	
122	100		
107	123.7	91.2	136.8
121	60.8	47.2	70.8

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#28

bis(2-Chloroethoxy)methane

Concen: 2.431 ng

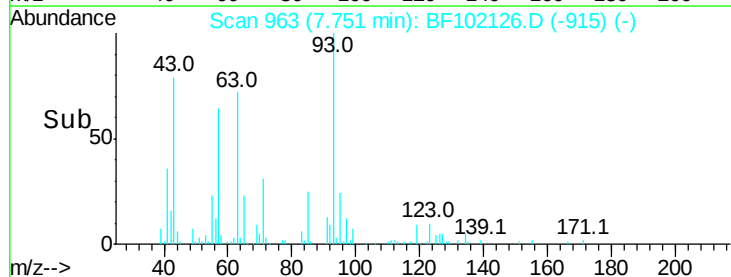
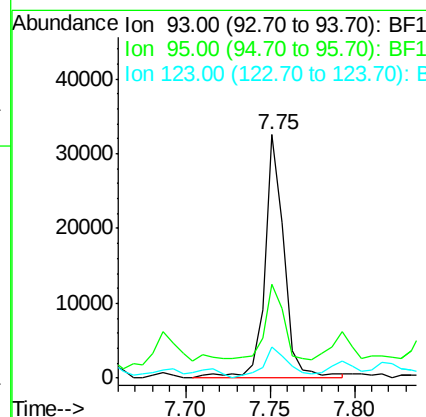
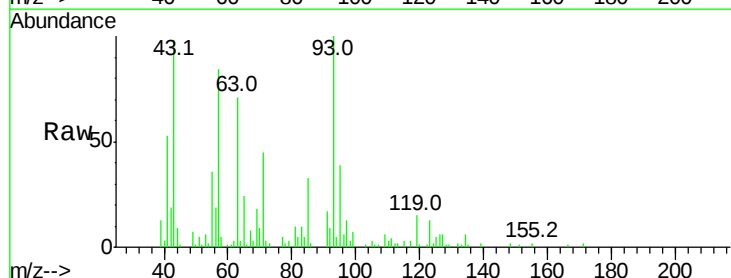
RT: 7.75 min Scan# 963

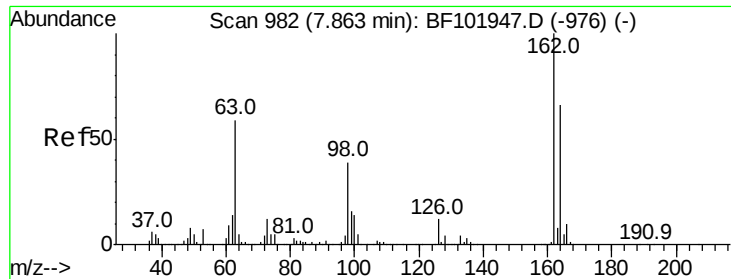
Delta R.T. -0.02 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Tgt Ion:	93	Resp:	26020
Ion Ratio	Lower	Upper	
93	100		
95	38.6	26.3	39.5
123	12.9	9.8	14.6





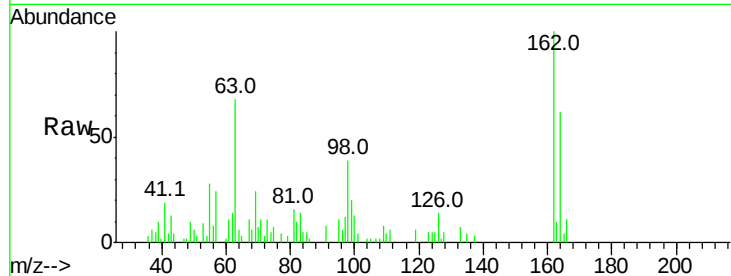
#29
2,4-Dichlorophenol
Concen: 2.131 ng
RT: 7.86 min Scan# 981
Delta R.T. -0.01 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Instrument :
BNA_F
ClientSampleId :
HD-01-011518MSD

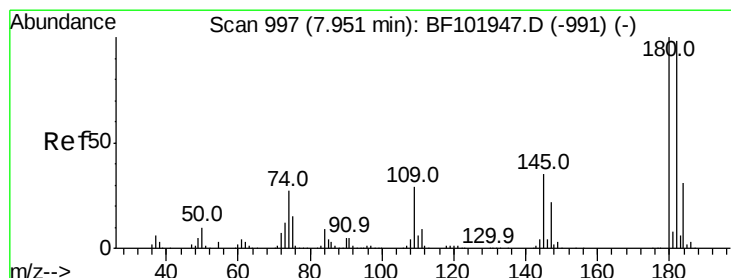
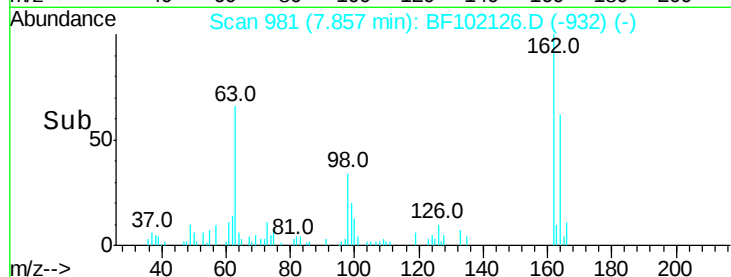
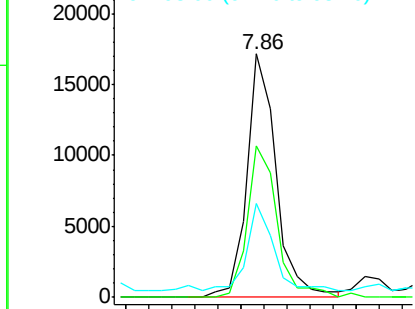
Tot Ion	Ratio	Lower	Upper
162	100		
164	62.2	42.7	82.7
98	38.6	18.1	58.1

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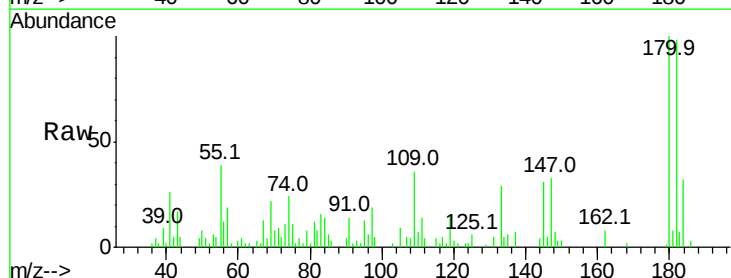


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

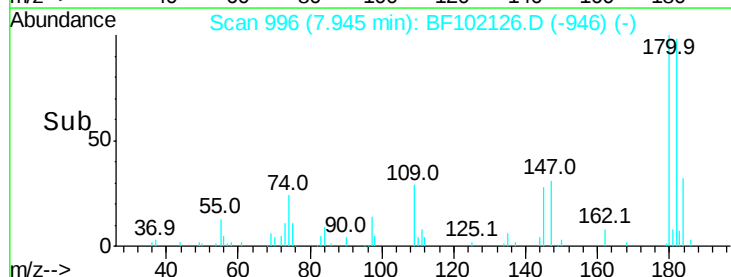
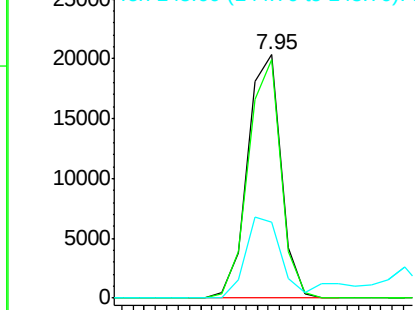


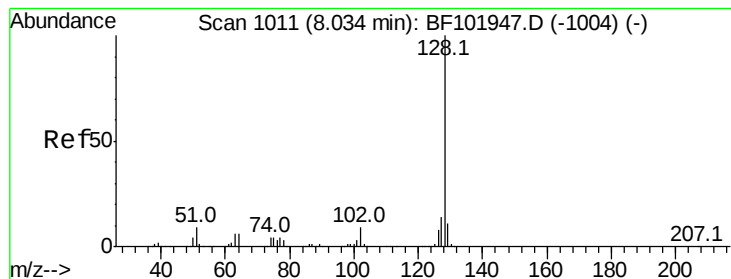
#30
1,2,4-Trichlorobenzene
Concen: 2.229 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	76.8	115.2
145	31.1	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: 2.650 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA_F

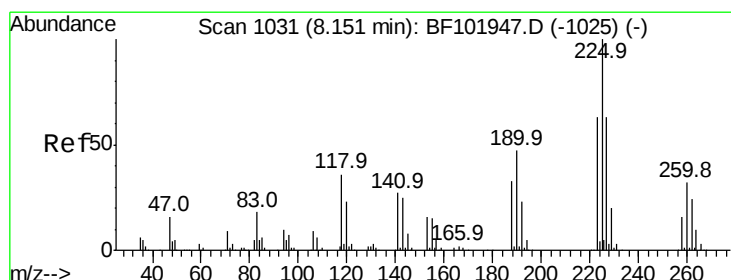
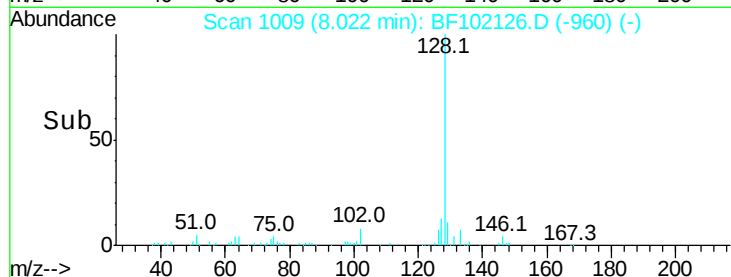
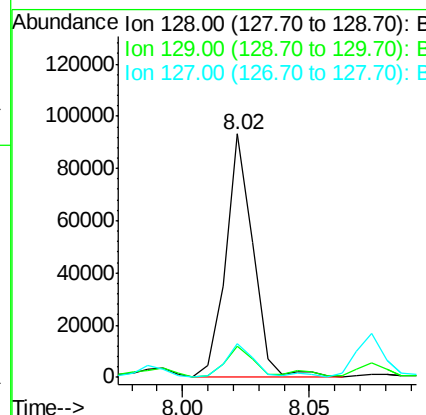
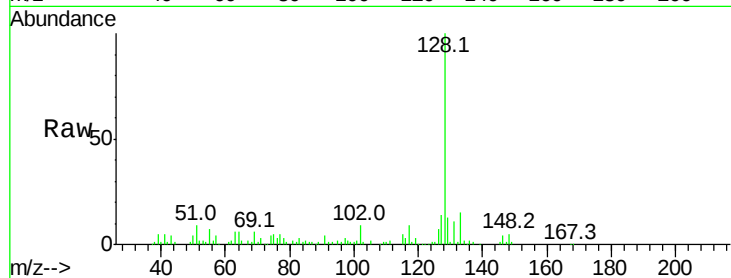
ClientSampleId :

HD-01-011518MSD

Tot Ion:	128	Resp:	69798
Ion Ratio	Lower	Upper	
128	100		
129	13.0	8.8	13.2
127	13.8	10.9	16.3

Manual Integrations
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#34

Hexachlorobutadiene

Concen: 2.294 ng

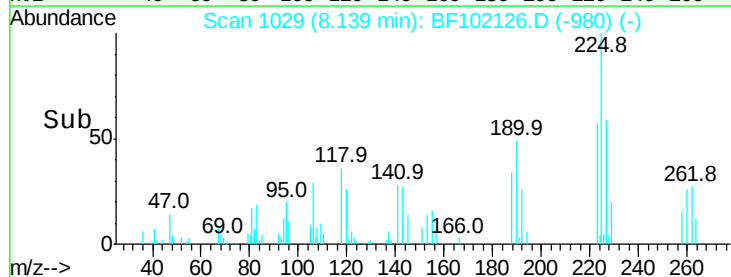
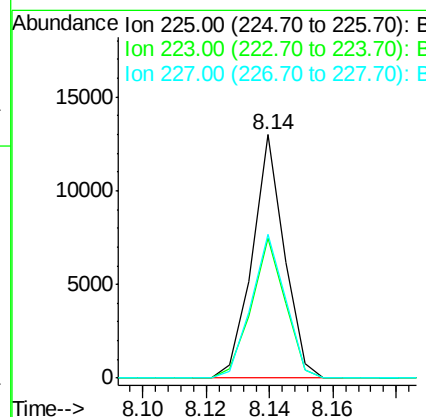
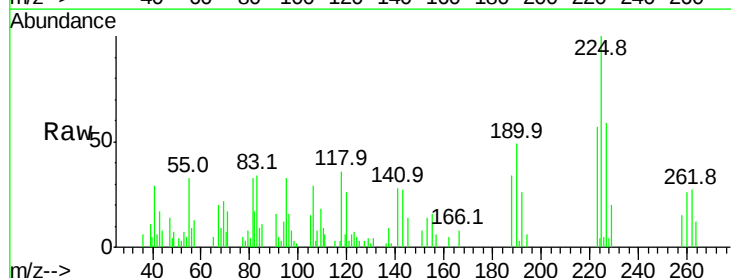
RT: 8.14 min Scan# 1029

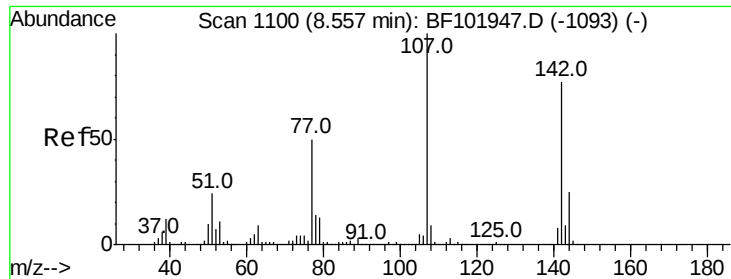
Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Tgt Ion:	225	Resp:	9088
Ion Ratio	Lower	Upper	
225	100		
223	57.3	50.6	76.0
227	58.9	51.9	77.9





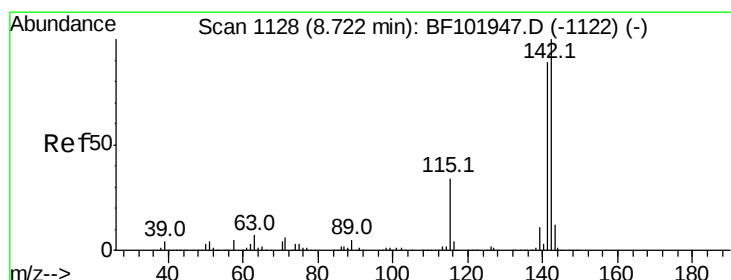
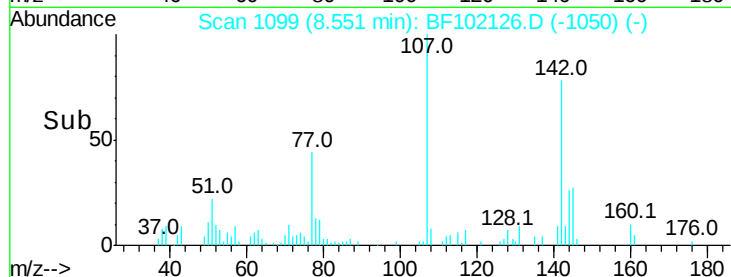
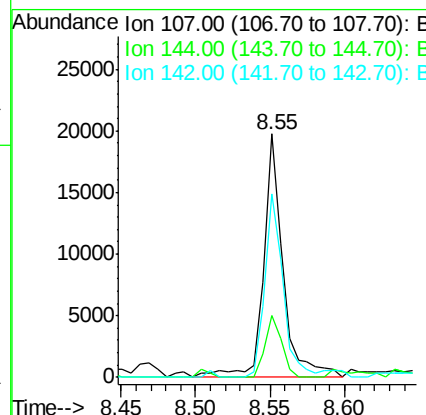
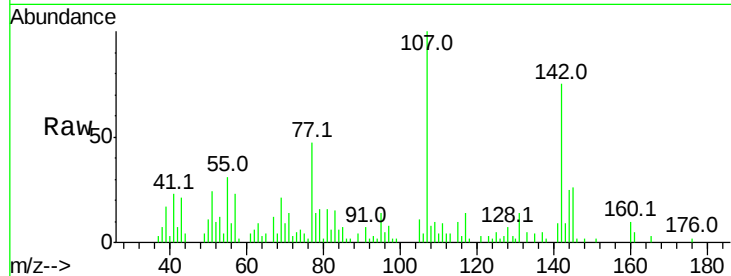
#36
4-Chloro-3-methylphenol
Concen: 2.258 ng
RT: 8.55 min Scan# 1099
Delta R.T. -0.01 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Instrument :
BNA_F
ClientSampleId :
HD-01-011518MSD

Tot Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.5	30.7
142	75.4	62.0	93.0

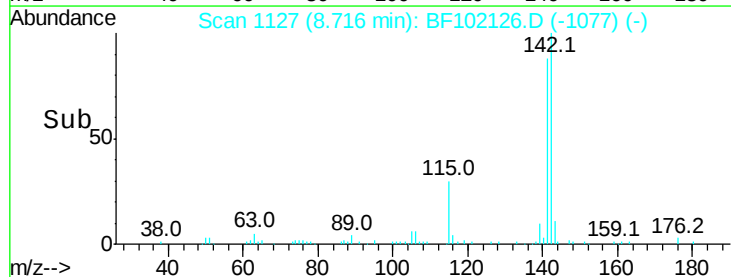
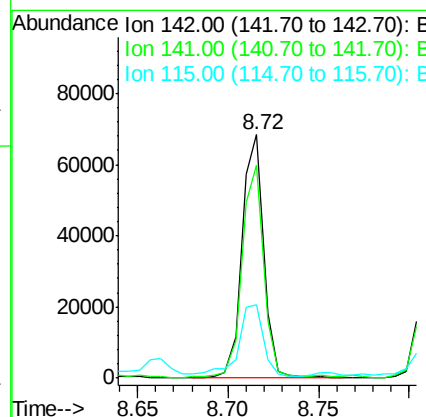
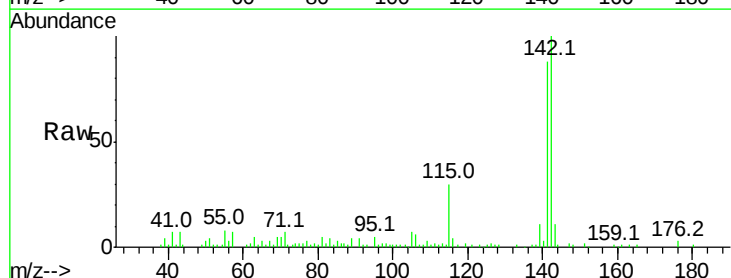
Manual Integrations
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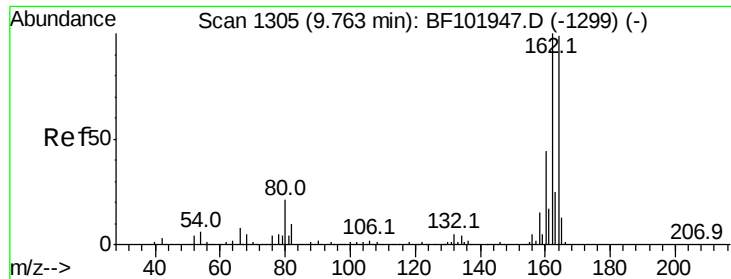
Sohil
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#37
2-Methylnaphthalene
Concen: 3.284 ng
RT: 8.72 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.8	106.2
115	30.2	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA_F

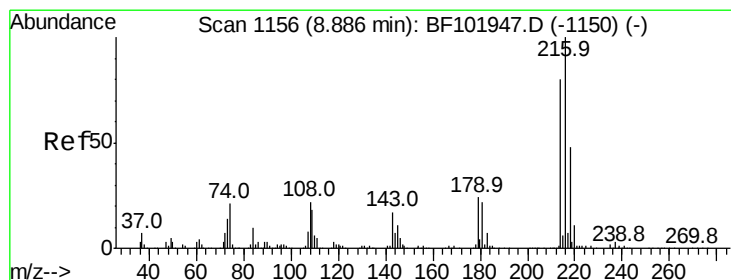
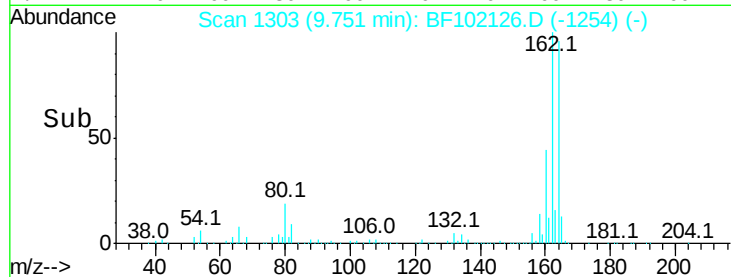
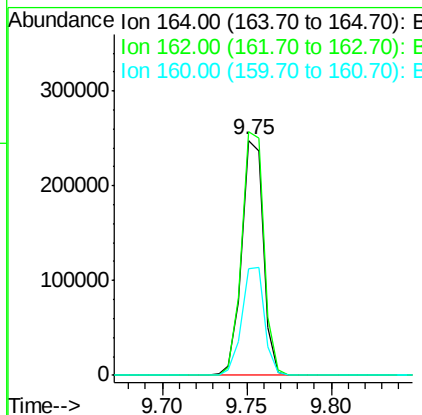
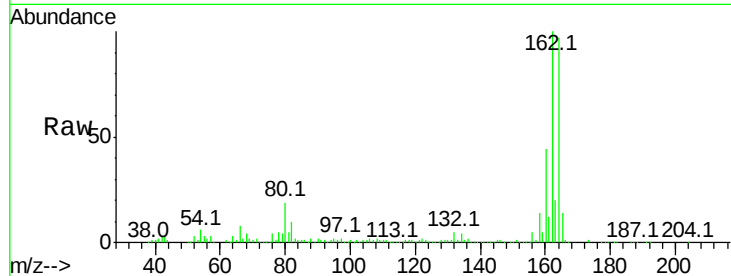
ClientSampleId :

HD-01-011518MSD

Tot Ion:	164	Resp:	222126
Ion Ratio	Lower	Upper	
164	100		
162	103.5	86.1	129.1
160	45.4	38.3	57.5

Manual Integrations
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#39

1,2,4,5-Tetrachlorobenzene

Concen: 2.533 ng

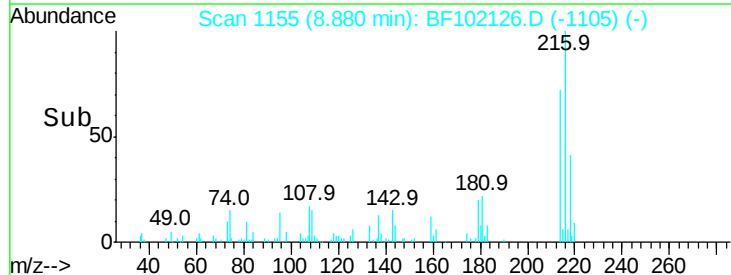
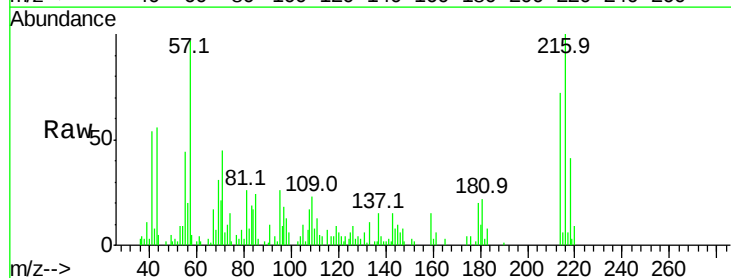
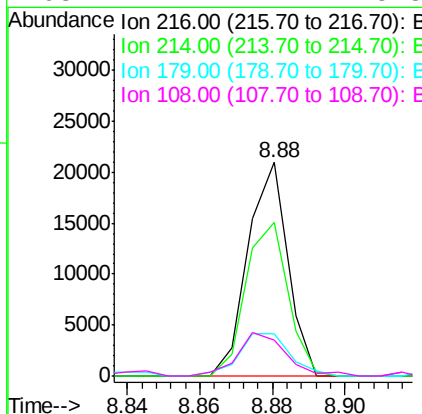
RT: 8.88 min Scan# 1155

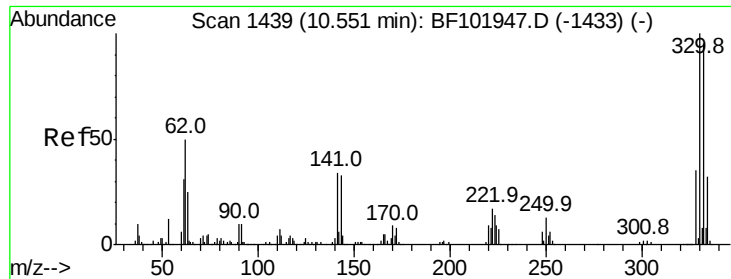
Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Tgt Ion:	216	Resp:	15920
Ion Ratio	Lower	Upper	
216	100		
214	76.4	63.0	94.4
179	26.0	18.1	27.1
108	24.7	17.2	25.8





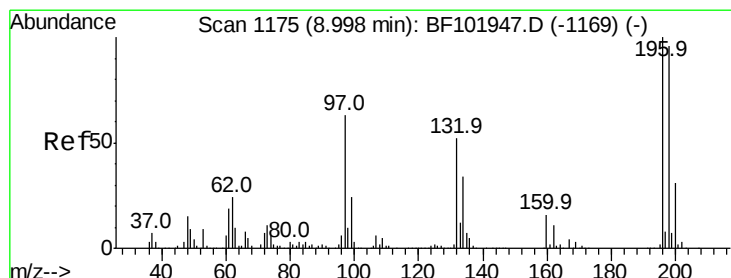
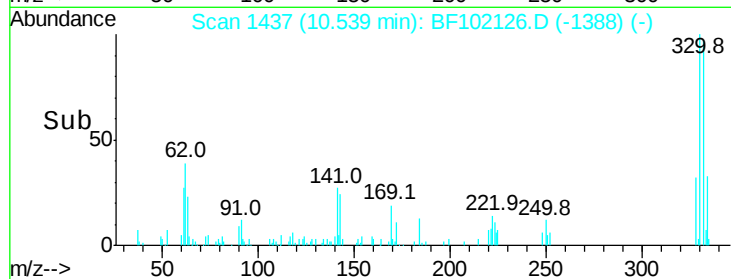
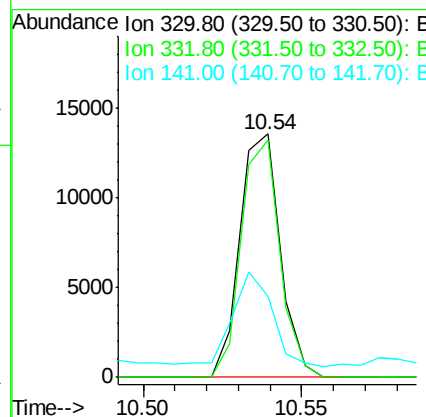
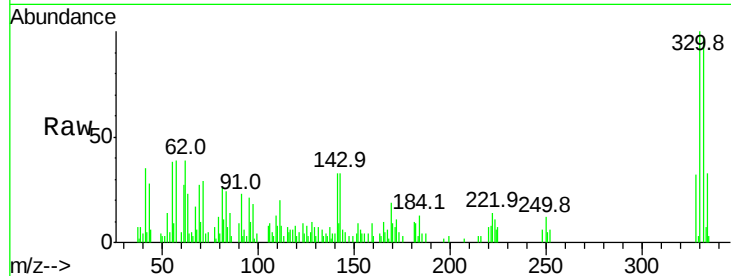
#41
 2,4,6-Tribromophenol
 Concen: 6.160 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102126.D
 Acq: 16 Jan 2018 22:49

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-011518MSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.2	77.0	115.6
141	38.9	29.9	44.9

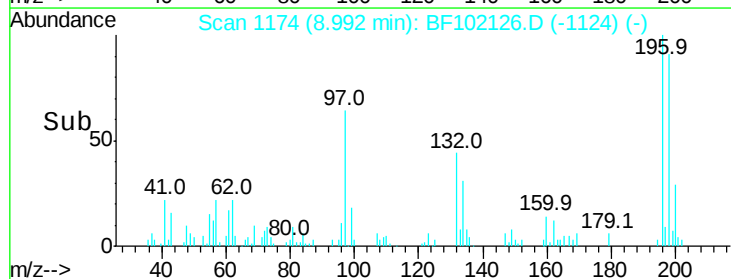
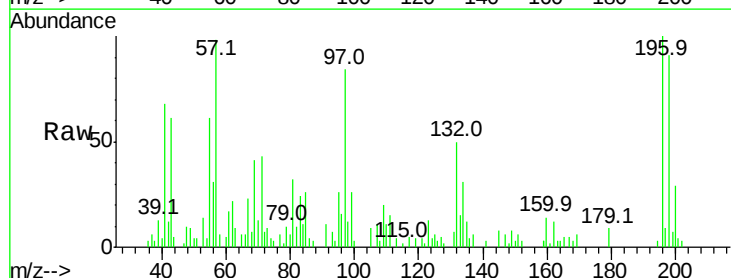
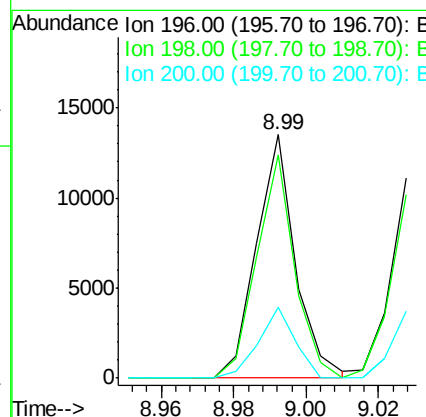
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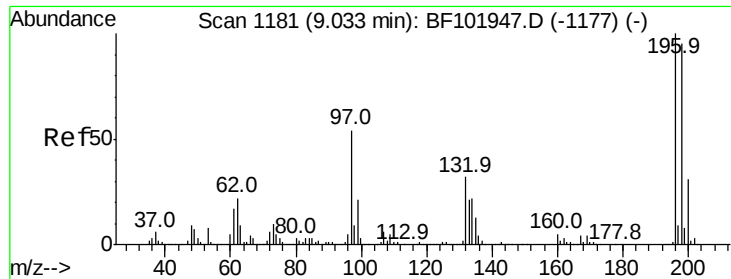
Sohil
 1/17/2018 10:42:00 AM



#42
 2,4,6-Trichlorophenol
 Concen: 2.343 ng
 RT: 8.99 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: BF102126.D
 Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Lower	Upper
196	100		
198	91.5	75.7	113.5
200	29.0	24.5	36.7





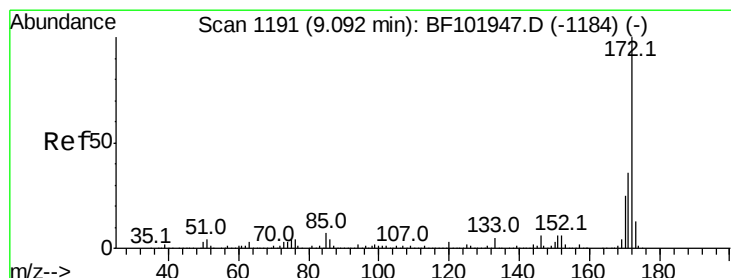
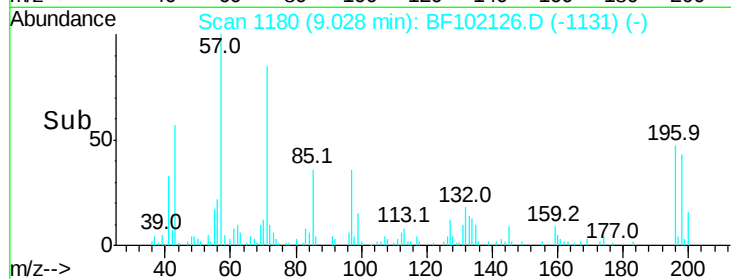
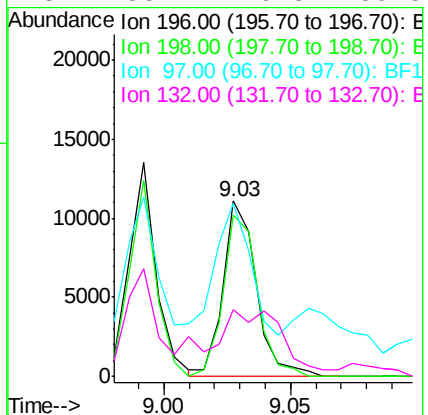
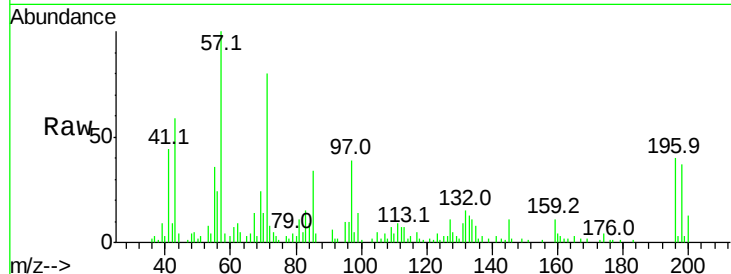
#43
 2,4,5-Trichlorophenol
 Concen: 2.058 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF102126.D
 Acq: 16 Jan 2018 22:49

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-011518MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	10072		
198	91.9		74.6	112.0
97	98.6		42.9	64.3#
132	38.2		26.3	39.5

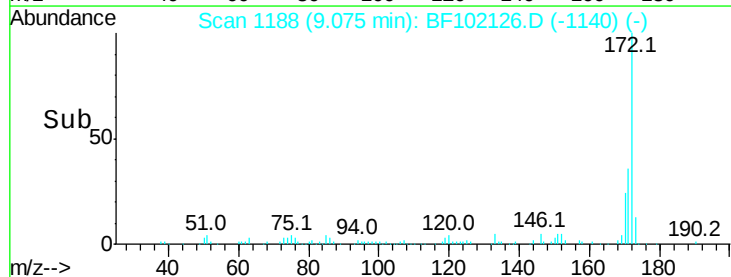
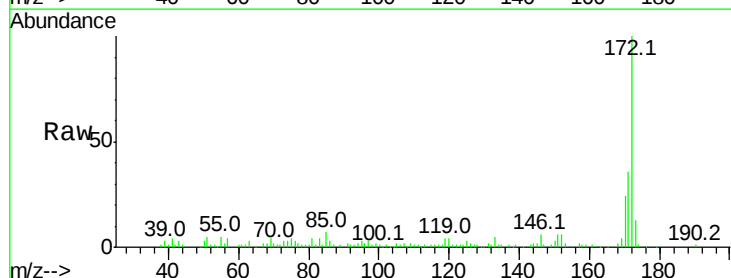
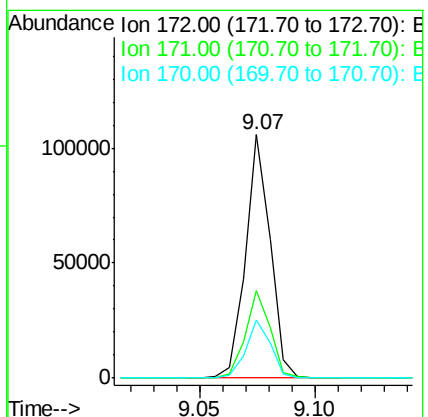
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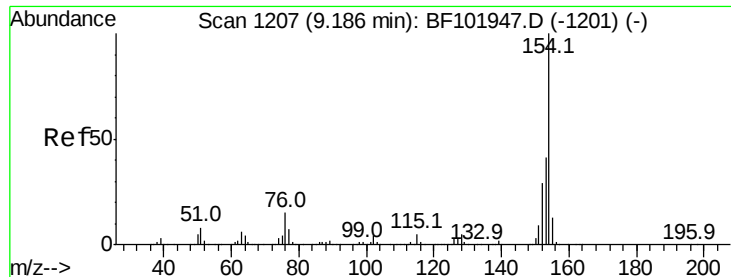
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 5.555 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.02 min
 Lab File: BF102126.D
 Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	78977		
171	35.8		29.7	44.5
170	23.8		19.6	29.4





#45

1,1'-Biphenyl

Concen: 2.581 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.02 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA_F

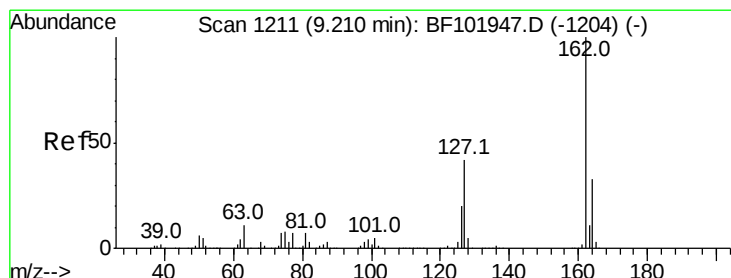
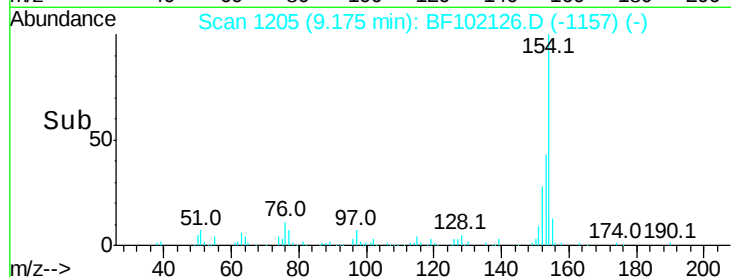
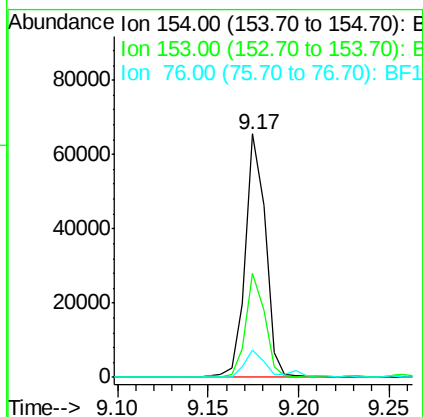
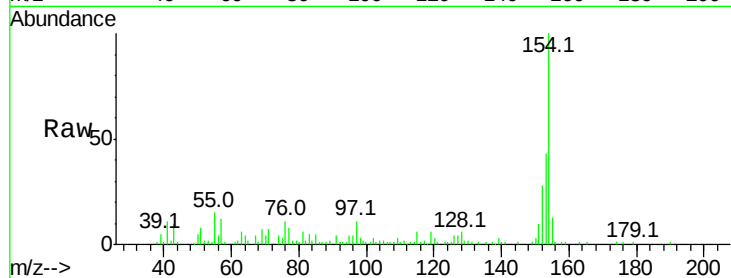
ClientSampleId :

HD-01-011518MSD

Tot Ion:	154	Resp:	50682
Ion Ratio	Lower	Upper	
154	100		
153	42.7	21.3	61.3
76	11.1	0.0	34.0

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#46

2-Chloronaphthalene

Concen: 2.274 ng

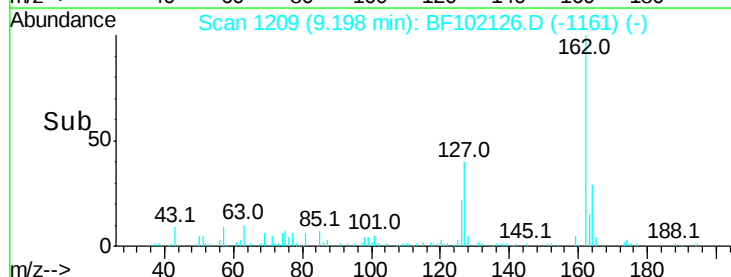
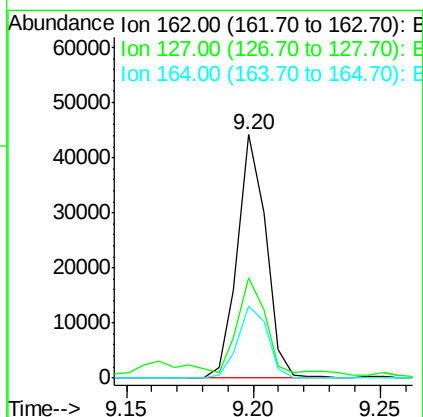
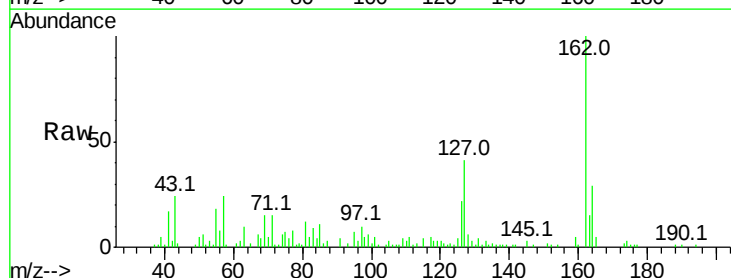
RT: 9.20 min Scan# 1209

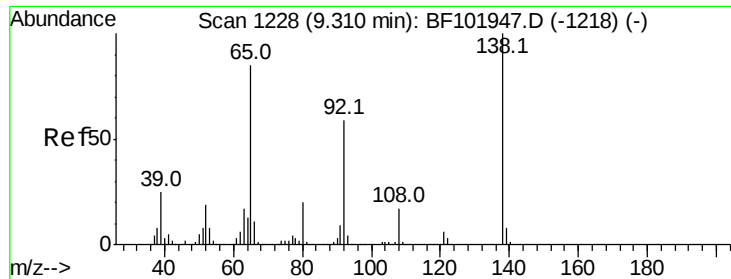
Delta R.T. -0.02 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Tgt Ion:	162	Resp:	34626
Ion Ratio	Lower	Upper	
162	100		
127	41.1	33.9	50.9
164	29.4	26.5	39.7





#47

2-Nitroaniline

Concen: 2.016 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA_F

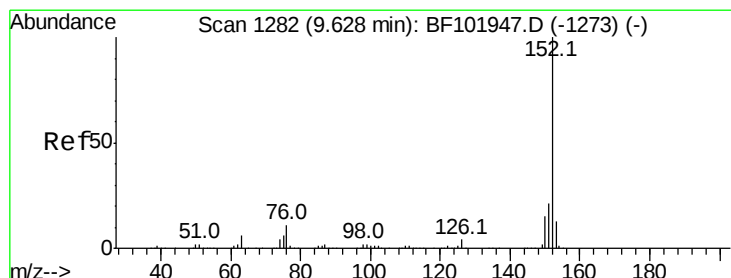
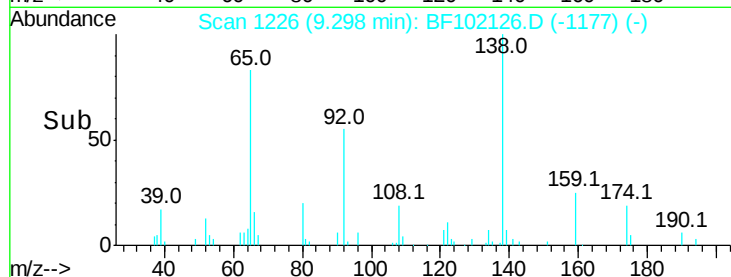
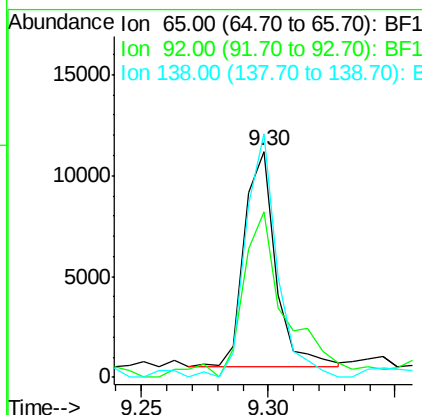
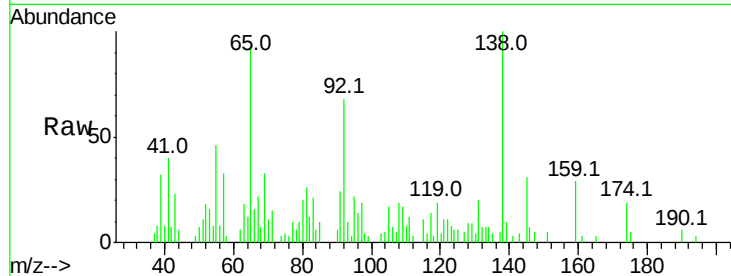
ClientSampleId :

HD-01-011518MSD

Tot Ion:	65	Resp:	9196
Ion Ratio	Lower	Upper	
65	100		
92	73.5	55.8	83.6
138	107.7	91.2	136.8

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#48

Acenaphthylene

Concen: 2.469 ng

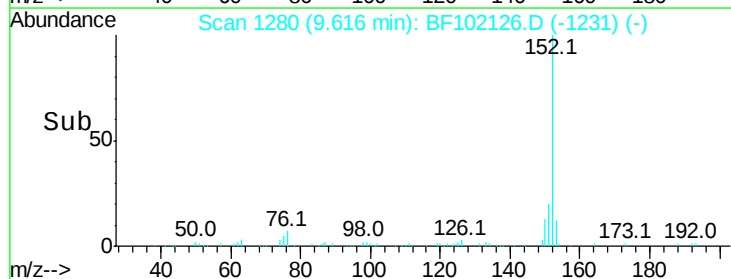
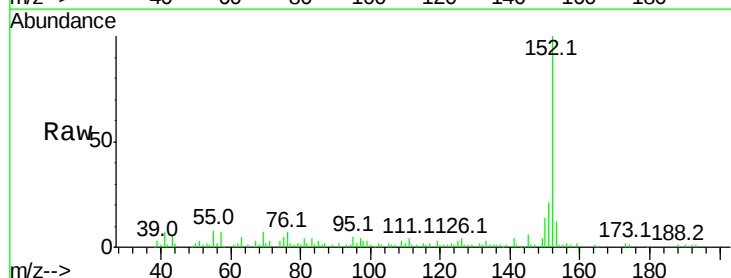
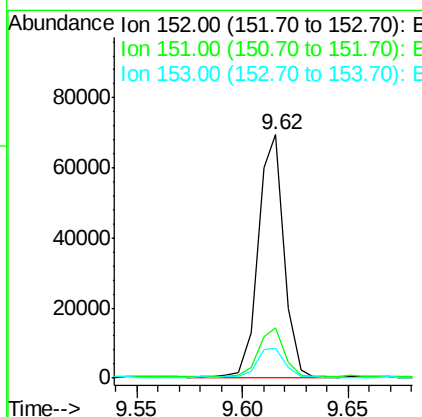
RT: 9.62 min Scan# 1280

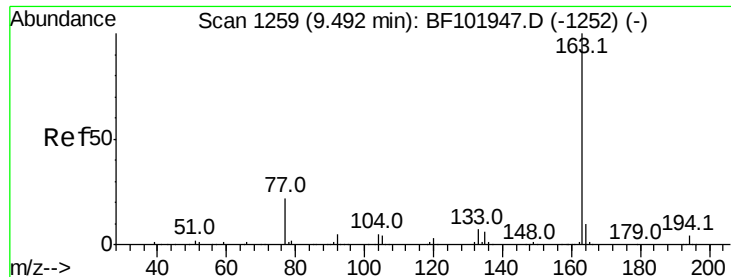
Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Tgt Ion:	152	Resp:	59666
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.3	24.5
153	12.5	10.7	16.1





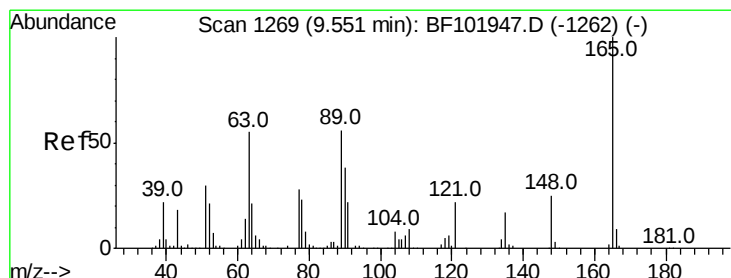
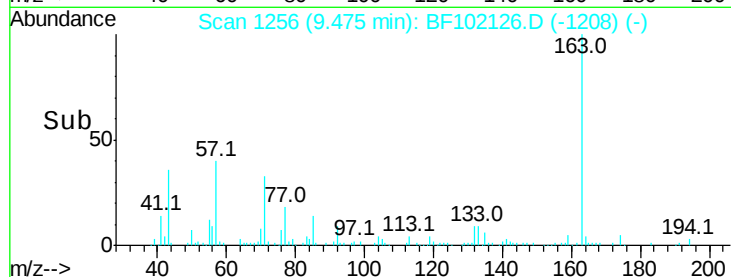
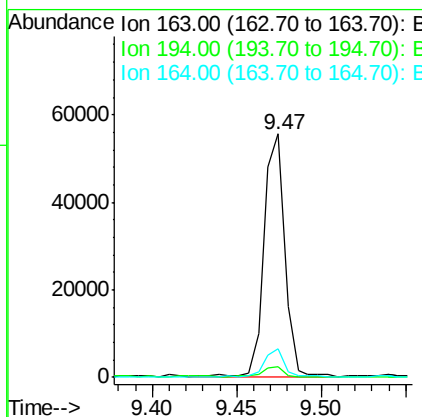
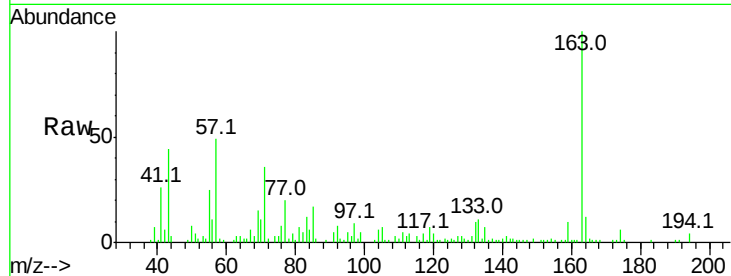
#49
Dimethylphthalate
Concen: 2.710 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Instrument :
BNA_F
ClientSampleId :
HD-01-011518MSD

Tot Ion:163 Resp: 48293
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 11.8 8.2 12.2

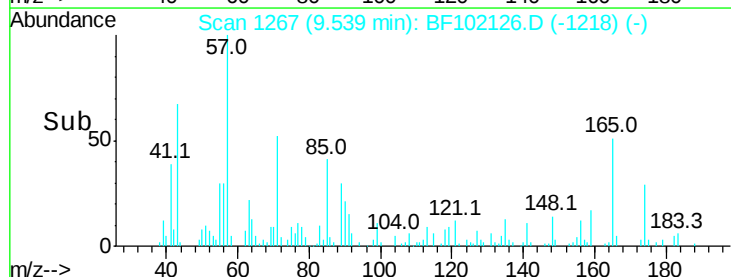
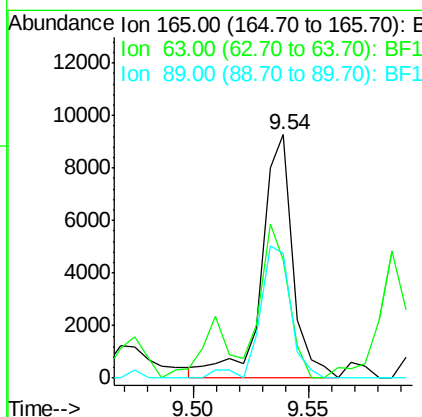
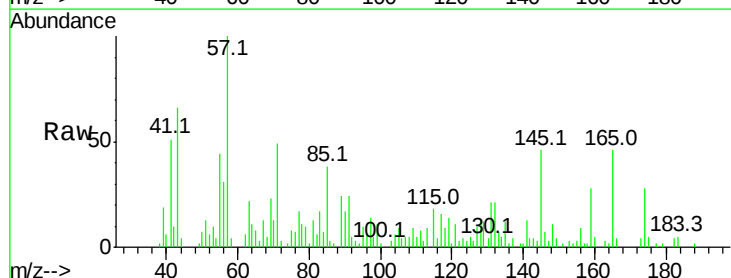
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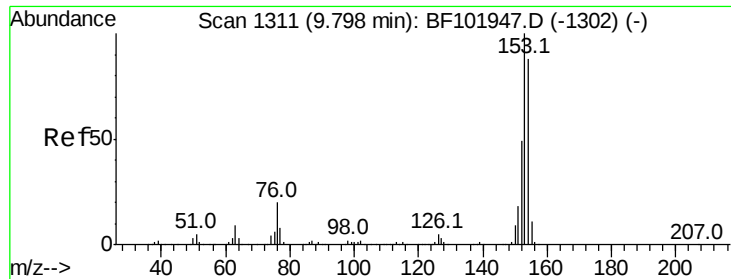
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#50
2,6-Dinitrotoluene
Concen: 2.460 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Tgt Ion:165 Resp: 8756
Ion Ratio Lower Upper
165 100
63 48.3 44.7 67.1
89 51.2 44.0 66.0





#51

Acenaphthene

Concen: 2.402 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA_F

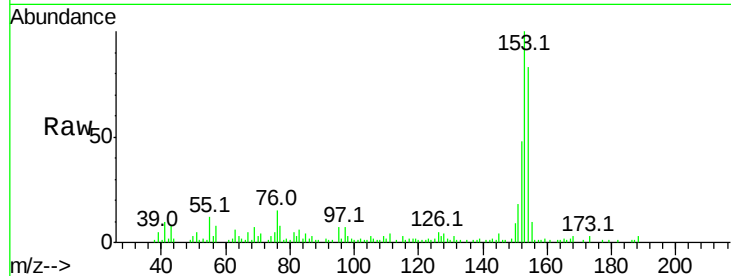
ClientSampleId :

HD-01-011518MSD

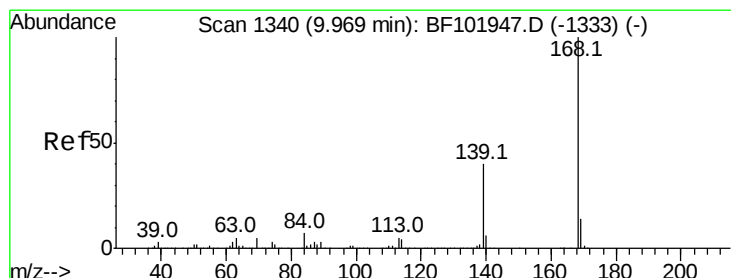
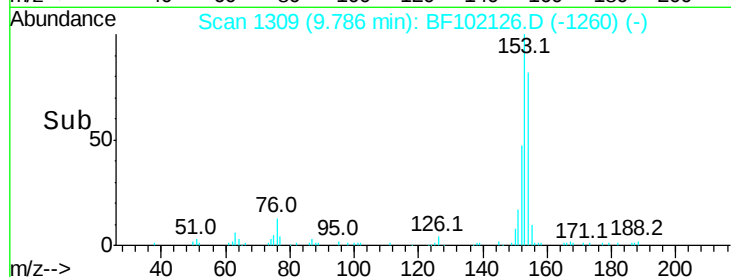
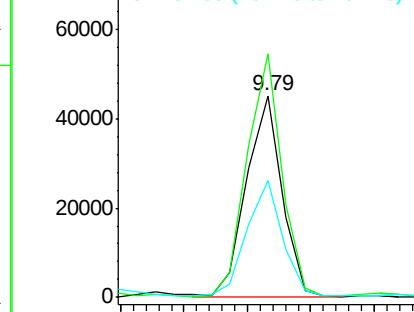
Tot Ion:	154	Resp:	35229
Ion	Ratio	Lower	Upper
154	100		
153	120.7	91.2	136.8
152	58.1	43.8	65.8

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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



#54

Dibenzofuran

Concen: 2.457 ng

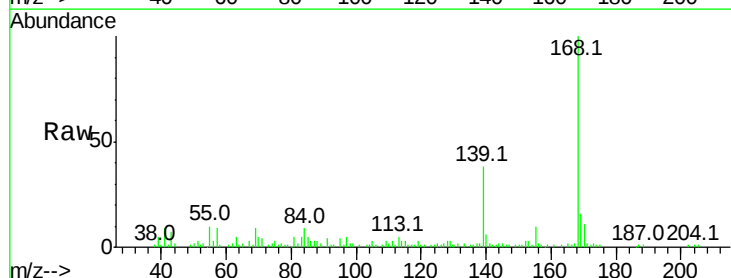
RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

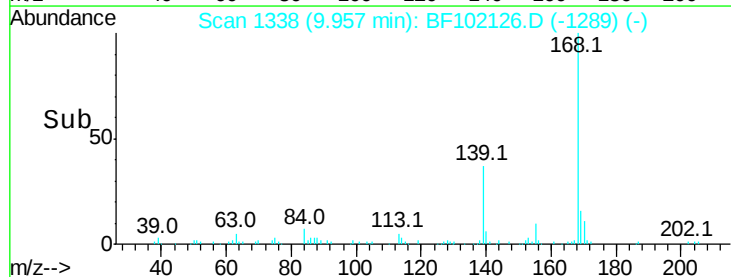
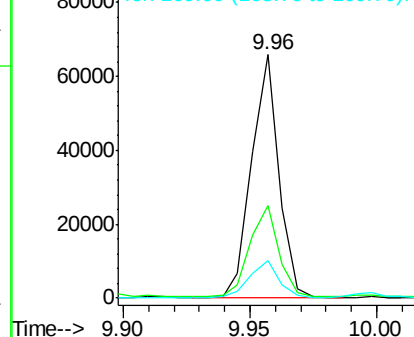
Lab File: BF102126.D

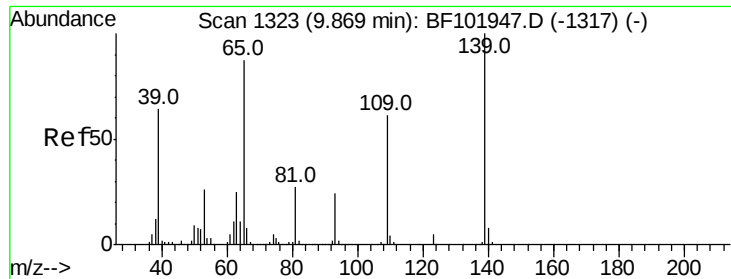
Acq: 16 Jan 2018 22:49

Tgt Ion:	168	Resp:	49445
Ion	Ratio	Lower	Upper
168	100		
139	38.0	30.1	45.1
169	15.6	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





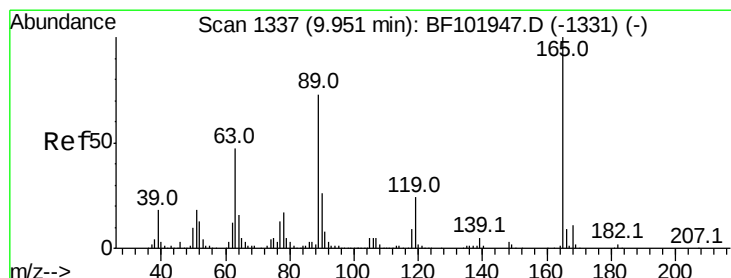
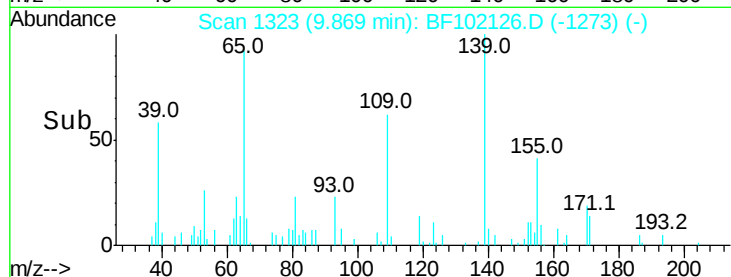
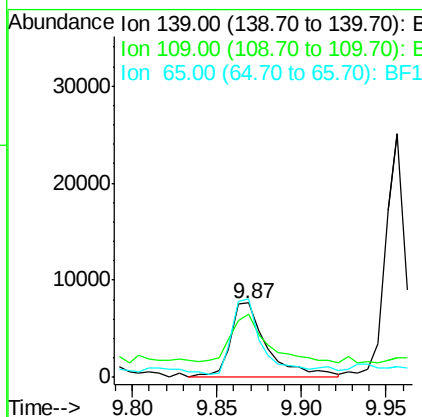
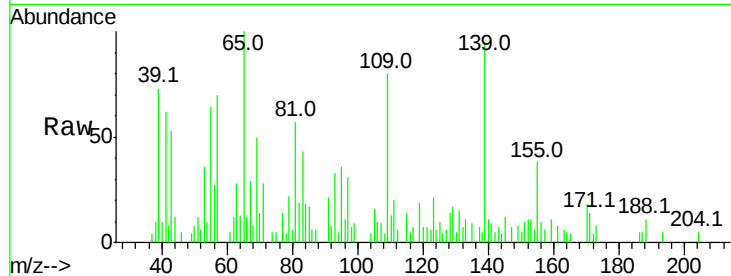
#55
4-Nitrophenol
Concen: 3.490 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Instrument :
BNA_F
ClientSampleId :
HD-01-011518MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100	11683		
109	84.9	48.4	88.4	
65	106.2	72.6	112.6	

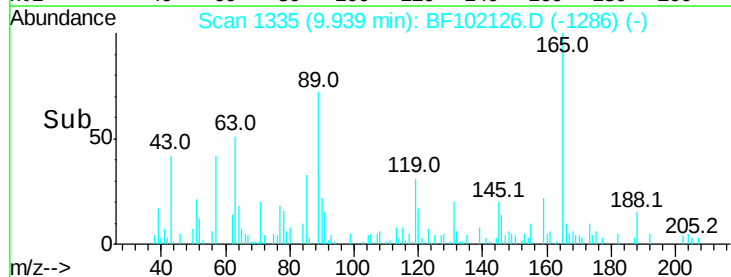
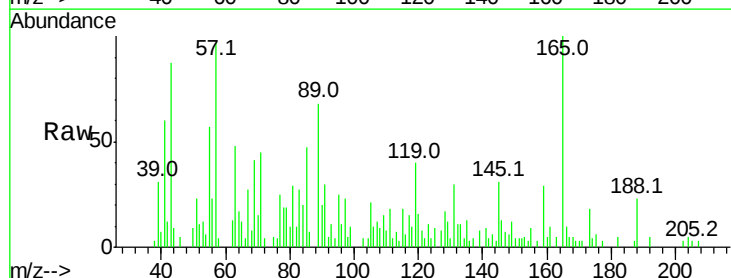
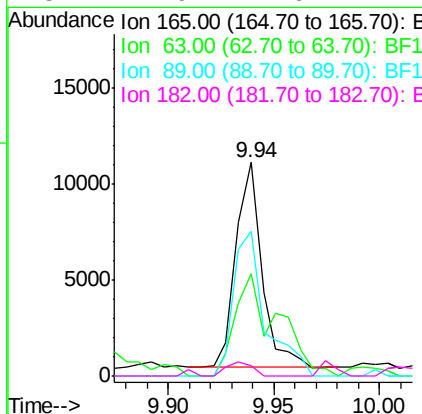
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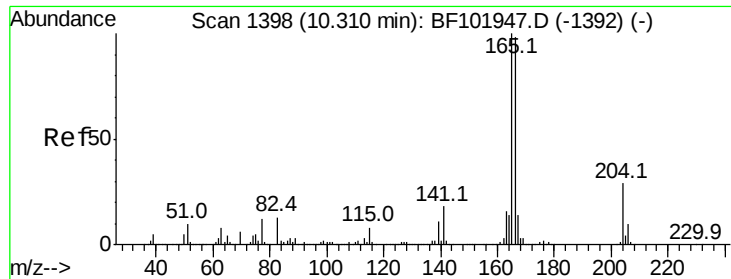
Sohil
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#56
2,4-Dinitrotoluene
Concen: 2.025 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	9036		
63	47.7	36.4	54.6	
89	67.7	57.8	86.6	
182	4.9	1.6	2.4	#





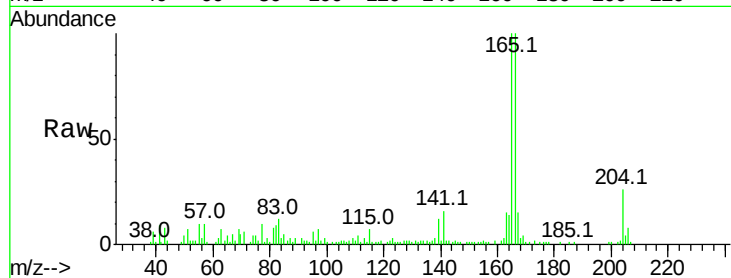
#57
Fluorene
 Concen: 3.240 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF102126.D
 Acq: 16 Jan 2018 22:49

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-011518MSD

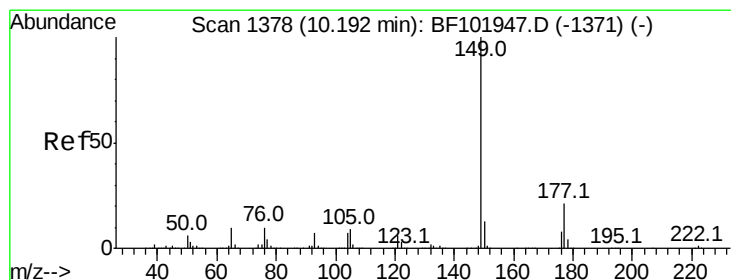
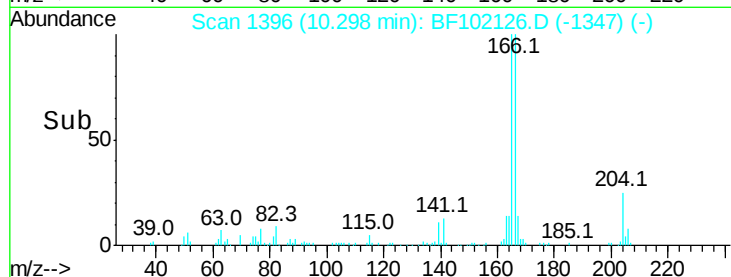
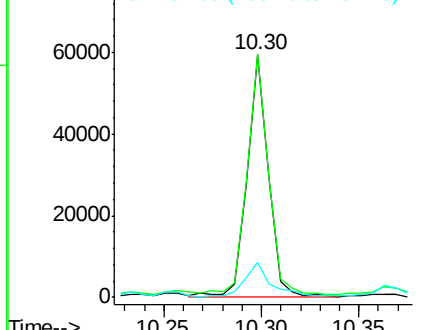
Tot Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.8	119.8
167	14.7	10.6	16.0

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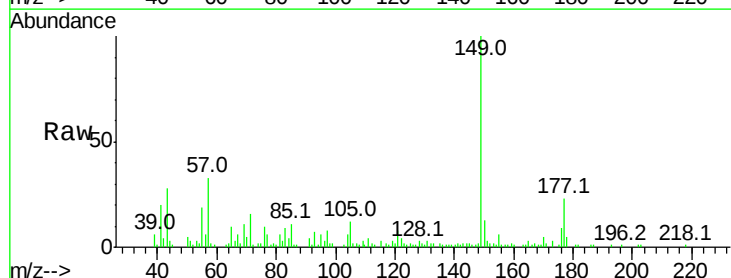


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

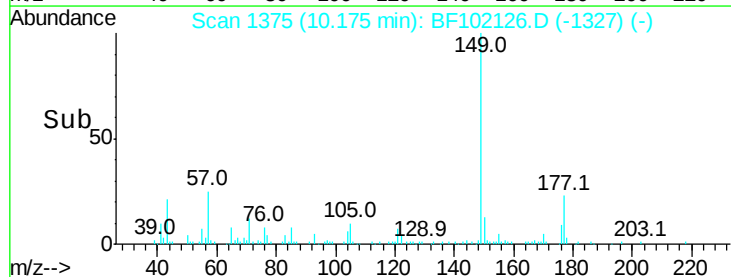
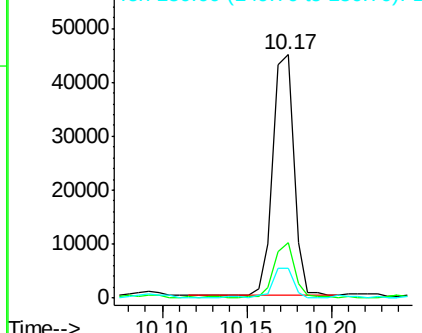


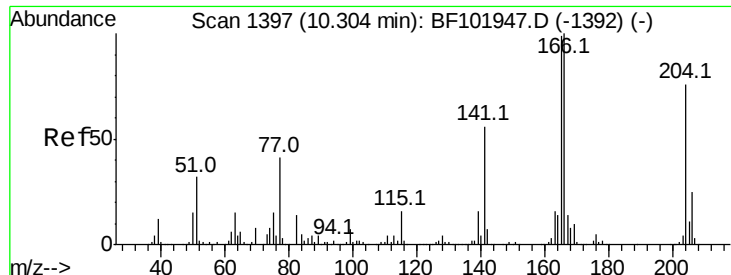
#59
Diethylphthalate
 Concen: 2.202 ng
 RT: 10.17 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: BF102126.D
 Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.9	16.1	24.1
150	12.5	10.1	15.1



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





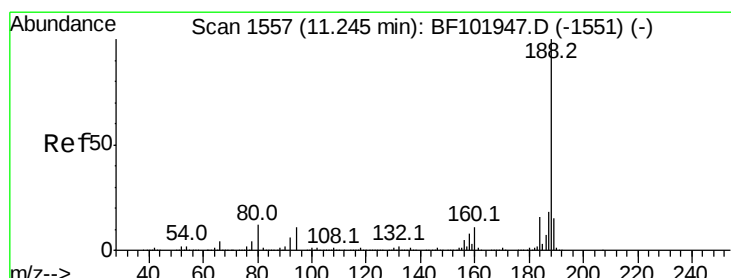
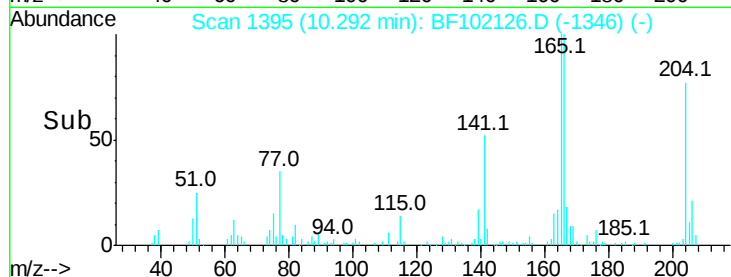
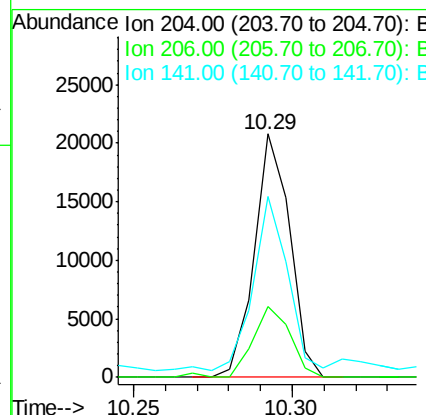
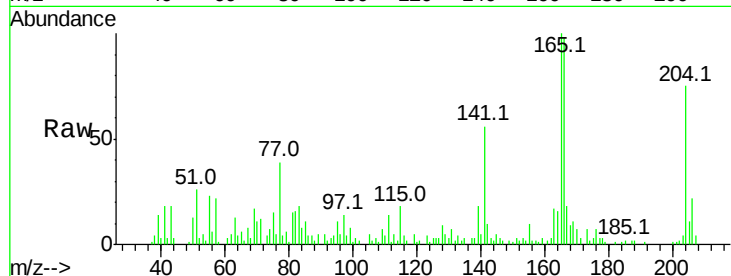
#60
 4-Chlorophenyl-phenylether
 Concen: 2.719 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF102126.D
 Acq: 16 Jan 2018 22:49

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-011518MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	29.3	26.5	39.7
141	74.3	54.6	81.8

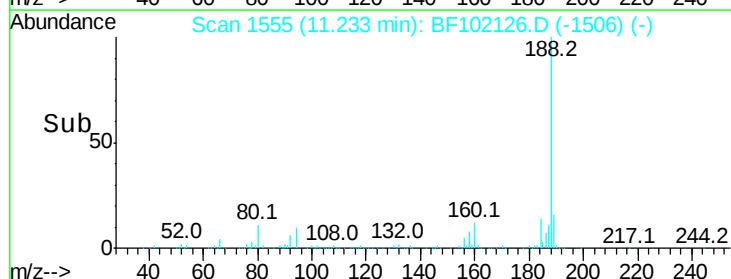
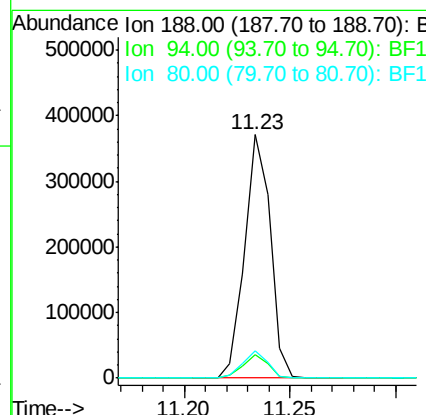
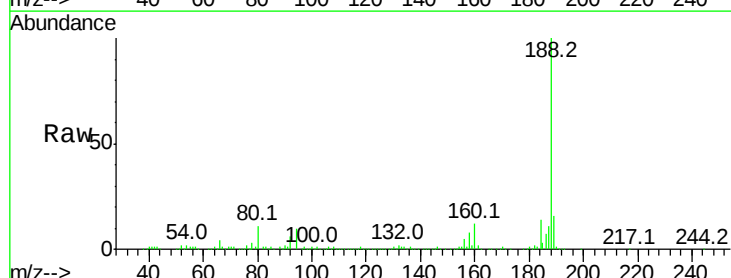
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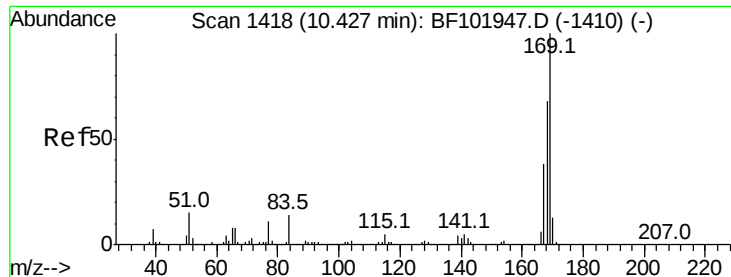
Sohil
 1/17/2018 10:42:00 AM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102126.D
 Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	11.1	9.2	13.8





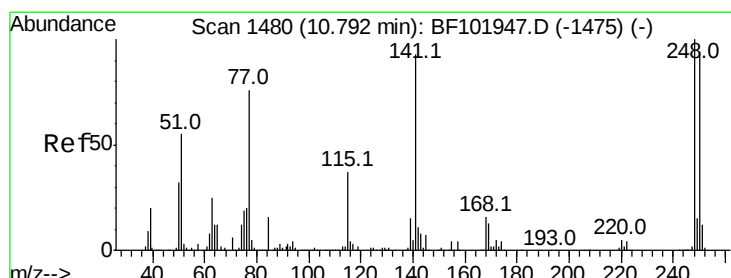
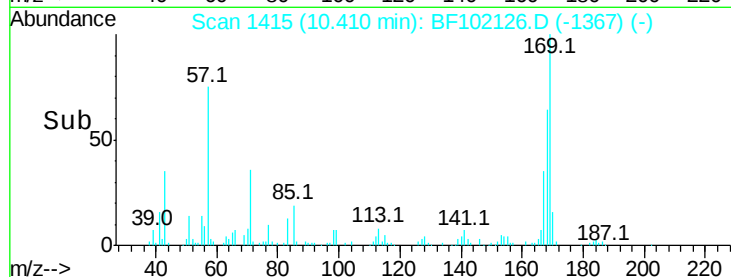
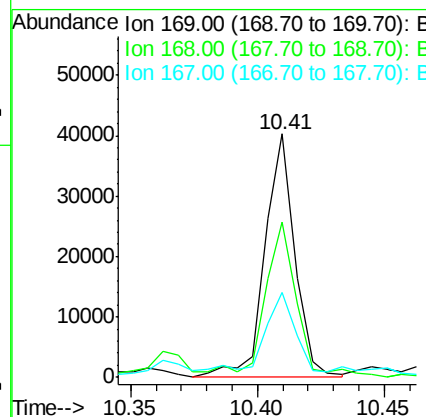
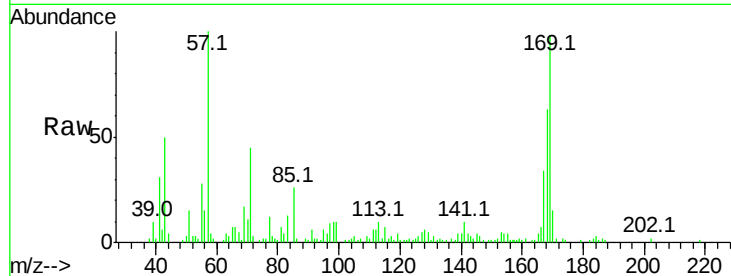
#65
 n-Nitrosodiphenylamine
 Concen: 2.864 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.02 min
 Lab File: BF102126.D
 Acq: 16 Jan 2018 22:49

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-011518MSD

Tot Ion	Ratio	Lower	Upper
169	100		
168	64.0	54.4	81.6
167	34.7	29.8	44.6

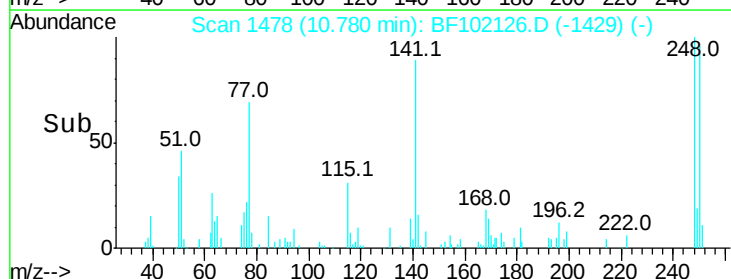
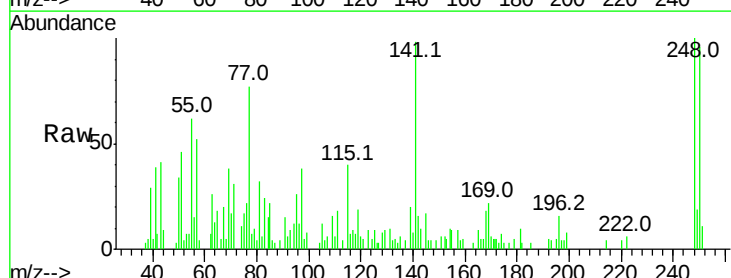
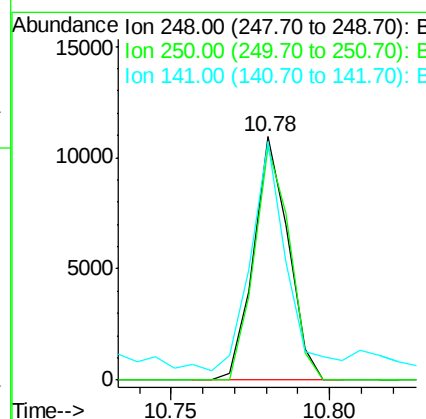
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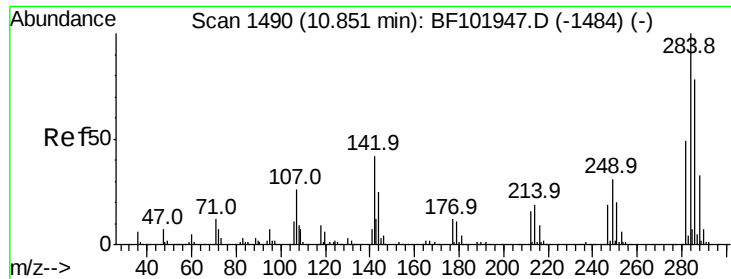
Sohil
 1/17/2018 10:42:00 AM



#66
 4-Bromophenyl-phenylether
 Concen: 2.537 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF102126.D
 Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.7	76.9	115.3
141	97.9	74.4	111.6





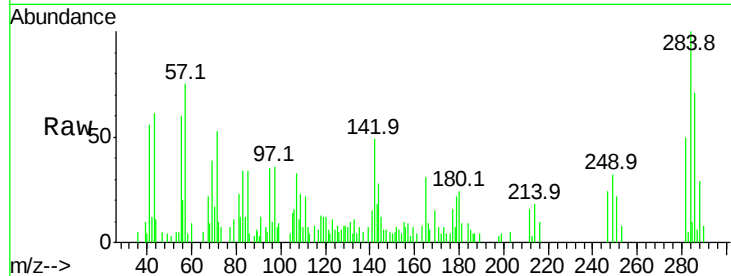
#67
Hexachlorobenzene
Concen: 2.364 ng
RT: 10.84 min Scan# 1488
Delta R.T. -0.01 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Instrument :
BNA_F
ClientSampleId :
HD-01-011518MSD

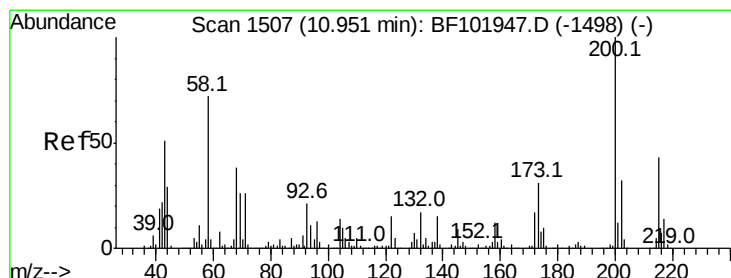
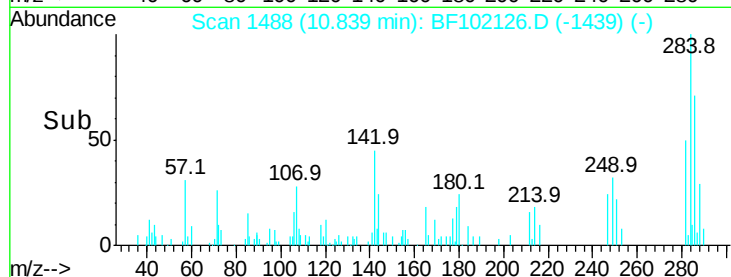
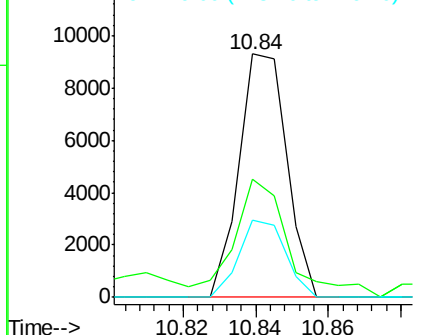
Tot Ion	Ratio	Lower	Upper
284	100		
142	48.5	34.6	52.0
249	31.6	24.8	37.2

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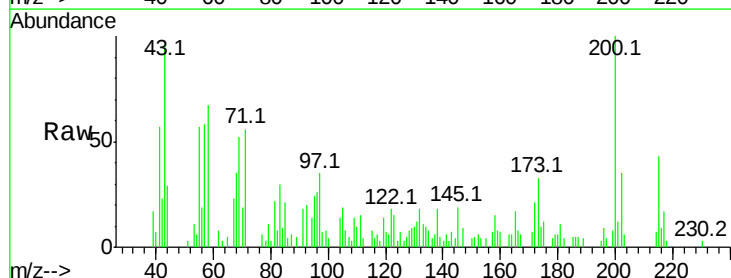


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

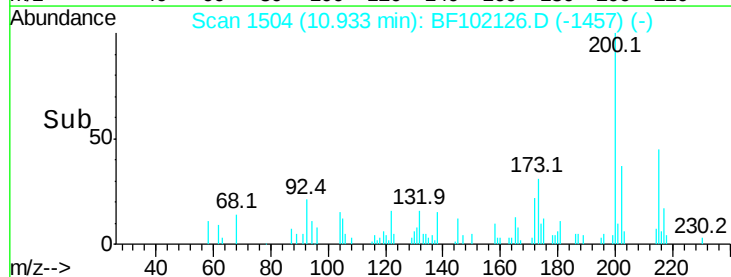
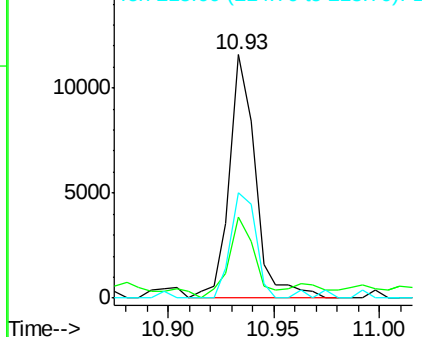


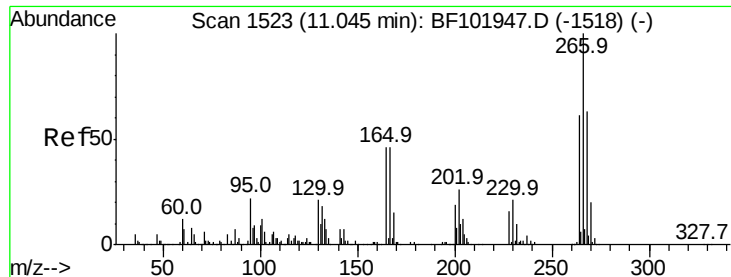
#68
Atrazine
Concen: 2.931 ng
RT: 10.93 min Scan# 1504
Delta R.T. -0.02 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Lower	Upper
200	100		
173	33.1	8.6	48.6
215	43.1	25.1	65.1



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





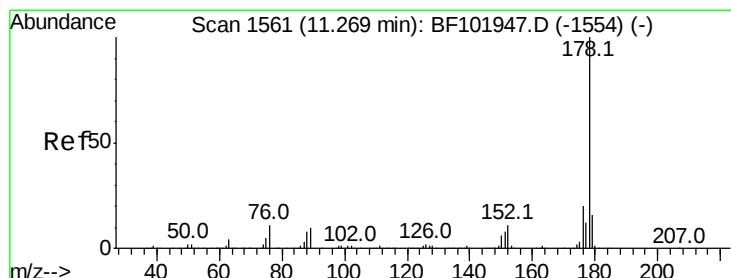
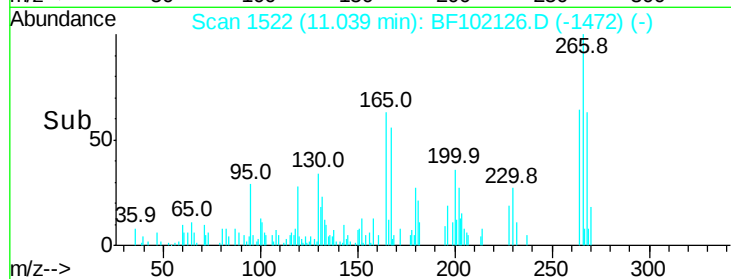
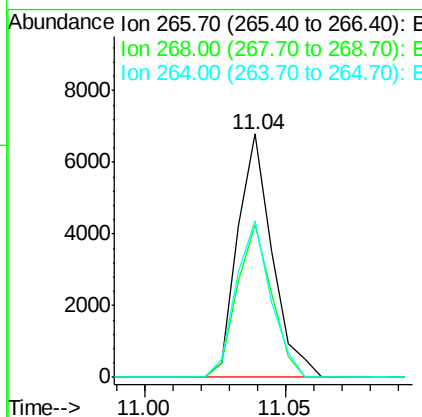
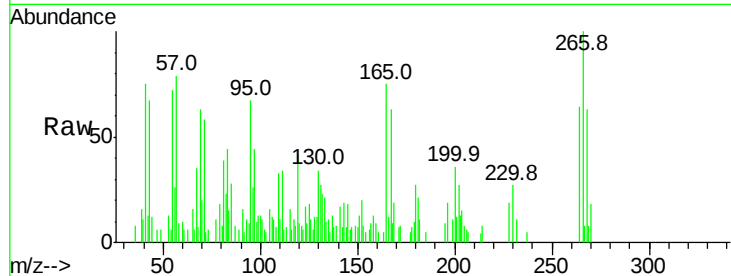
#69
 Pentachlorophenol
 Concen: 2.644 ng
 RT: 11.04 min Scan# 1522
 Delta R.T. -0.01 min
 Lab File: BF102126.D
 Acq: 16 Jan 2018 22:49

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-011518MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100			
268	63.0		51.1	76.7
264	64.5		49.5	74.3

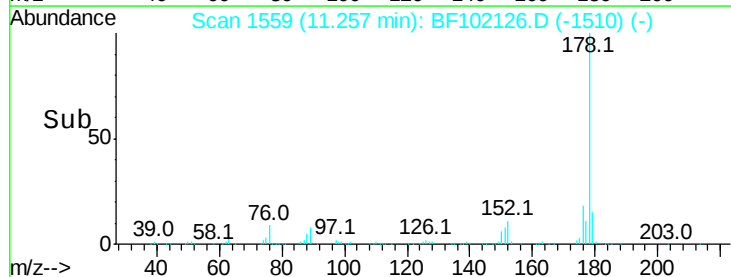
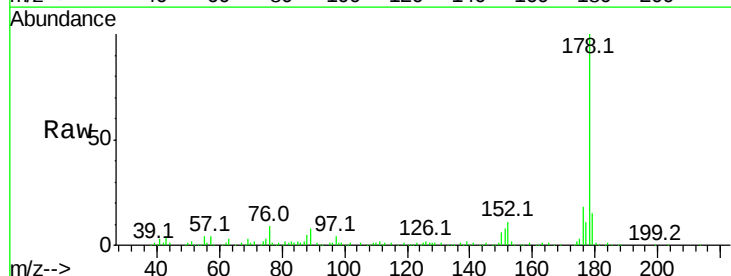
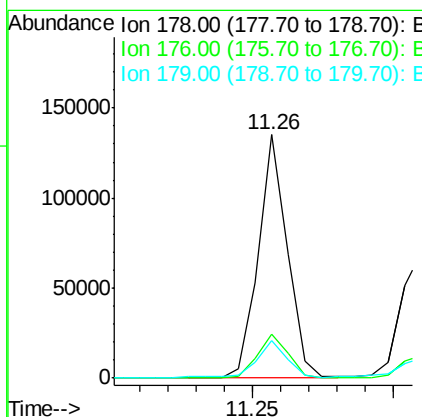
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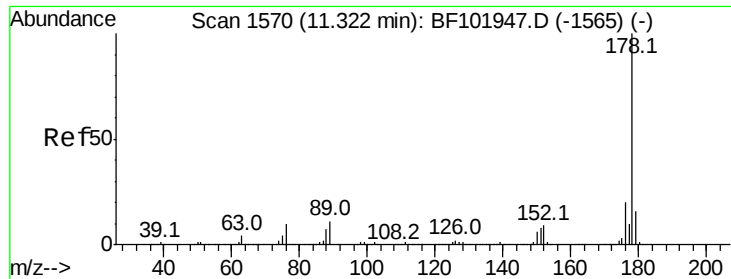
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#70
 Phenanthrene
 Concen: 5.327 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF102126.D
 Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	18.3		15.8	23.8
179	15.2		13.0	19.6





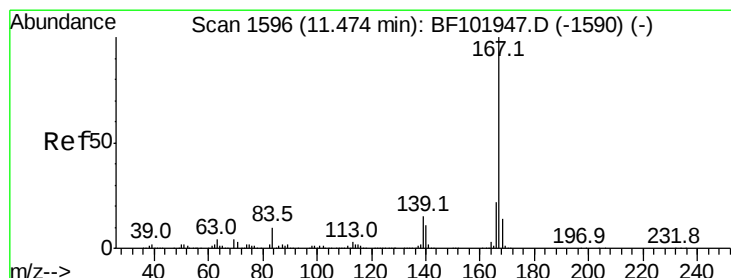
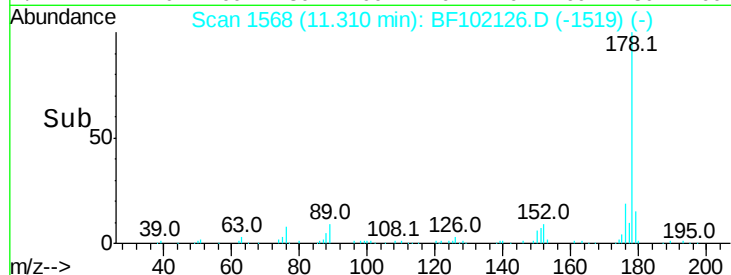
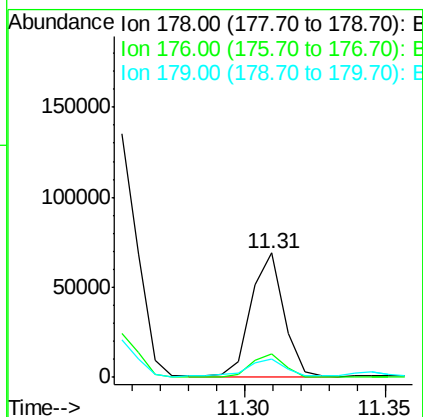
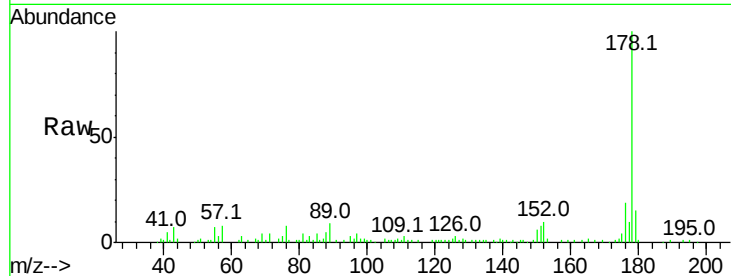
#71
 Anthracene
 Concen: 3.005 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102126.D
 Acq: 16 Jan 2018 22:49

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-011518MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.0	12.6	19.0

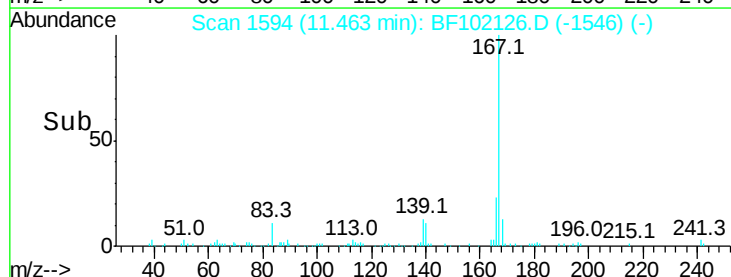
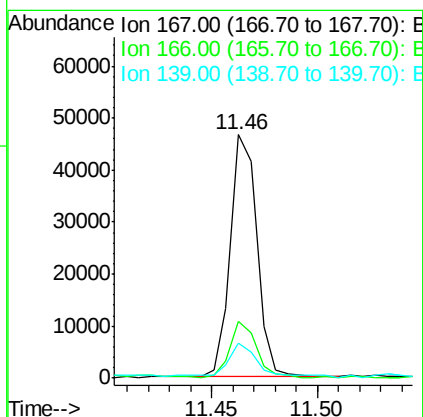
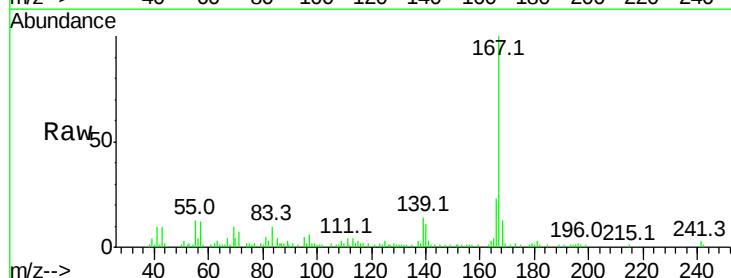
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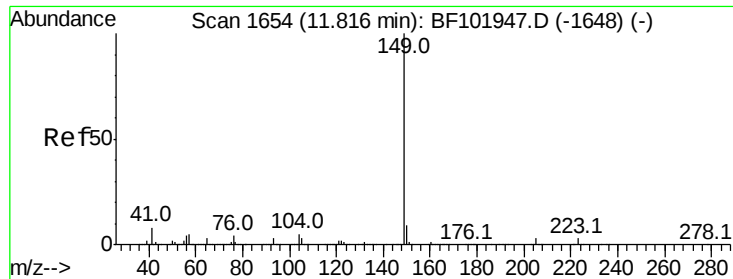
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#72
 Carbazole
 Concen: 2.222 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.02 min
 Lab File: BF102126.D
 Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.4	17.6	26.4
139	14.4	10.9	16.3





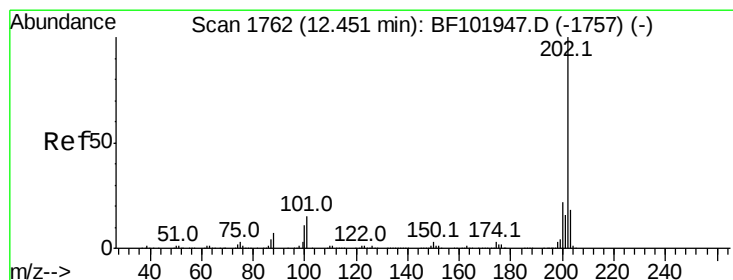
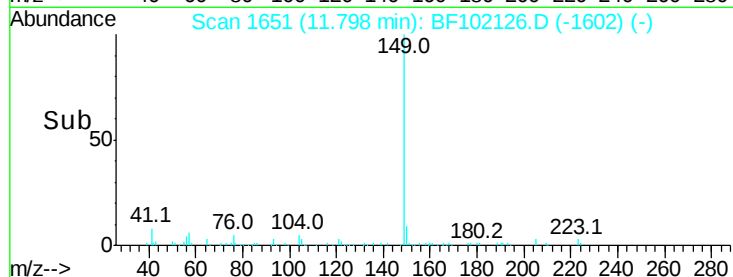
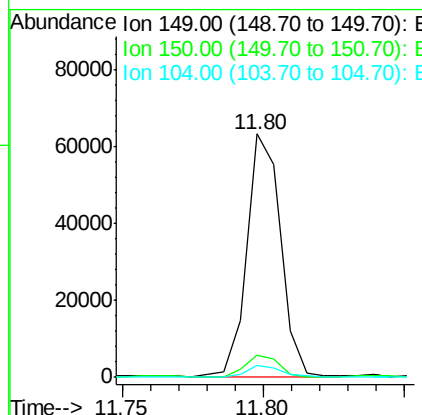
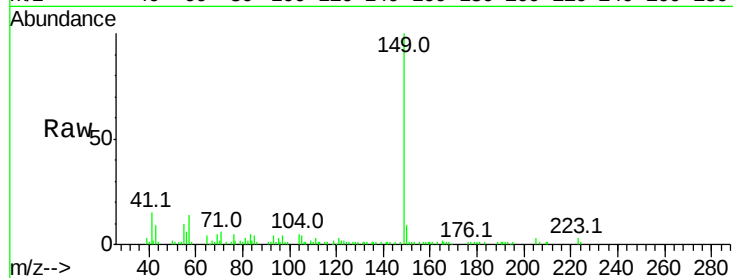
#73
Di-n-butylphthalate
Concen: 2.371 ng
RT: 11.80 min Scan# 1651
Delta R.T. -0.01 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Instrument :
BNA_F
ClientSampleId :
HD-01-011518MSD

Tot Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.8	11.6
104	4.8	3.8	5.8

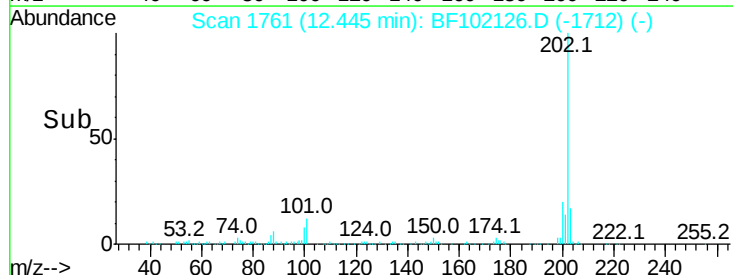
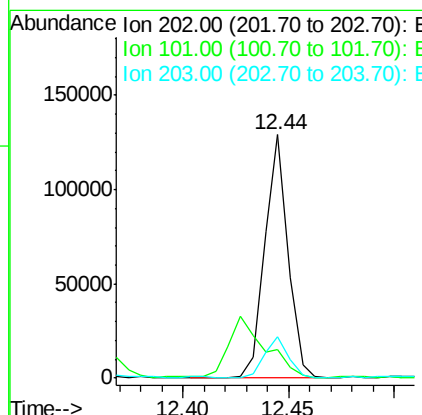
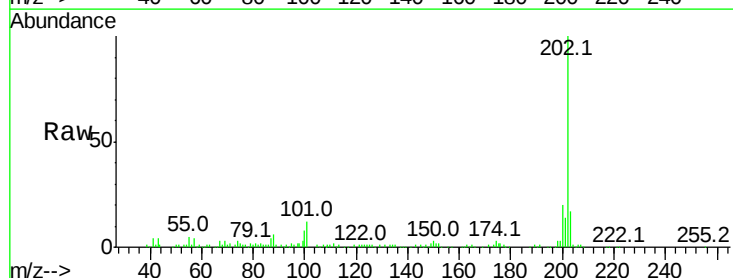
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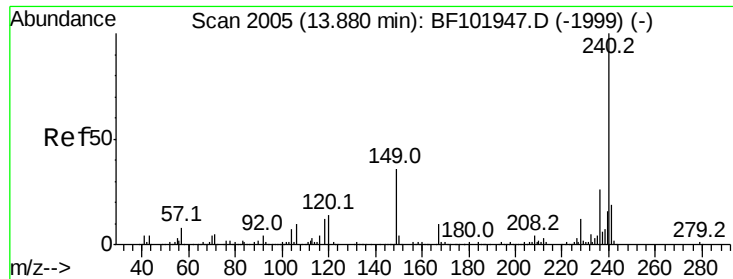
Sohil
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#74
Fluoranthene
Concen: 5.473 ng
RT: 12.44 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	34.1
203	17.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA_F

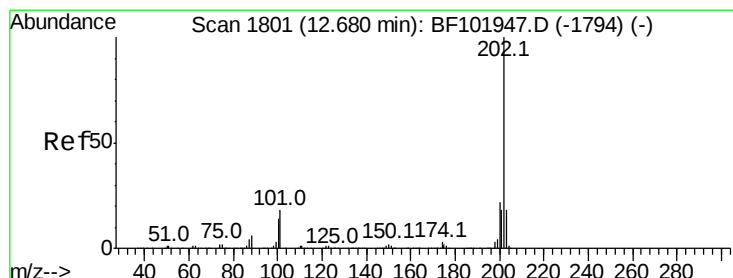
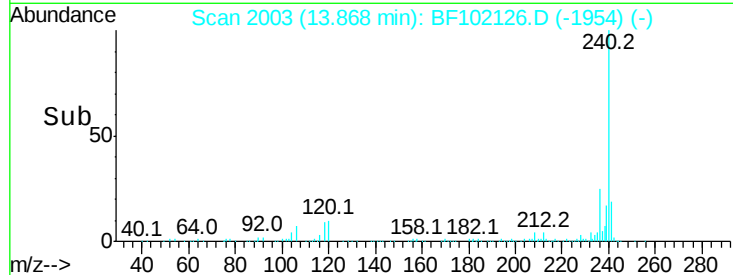
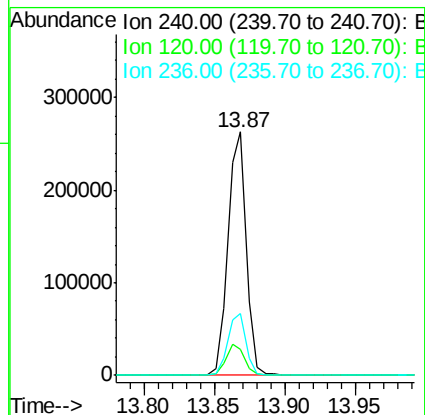
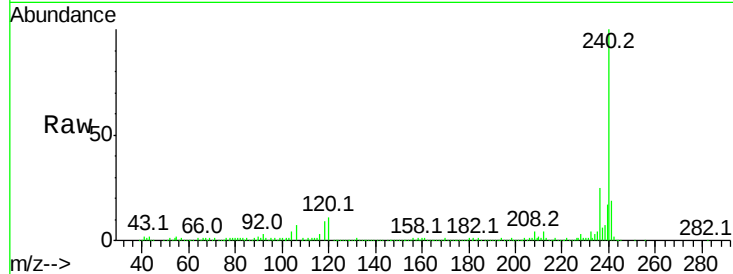
ClientSampleId :

HD-01-011518MSD

Tot Ion:	240	Resp:	235843
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.5	14.3
236	25.3	20.7	31.1

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#77

Pyrene

Concen: 4.921 ng

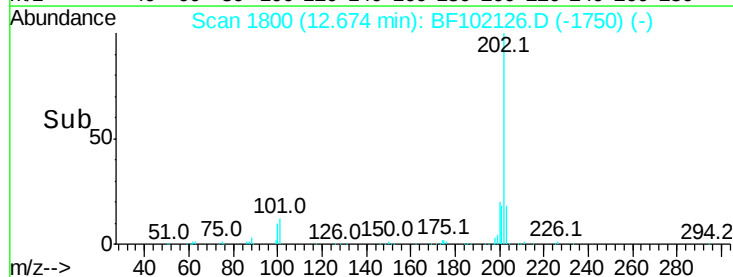
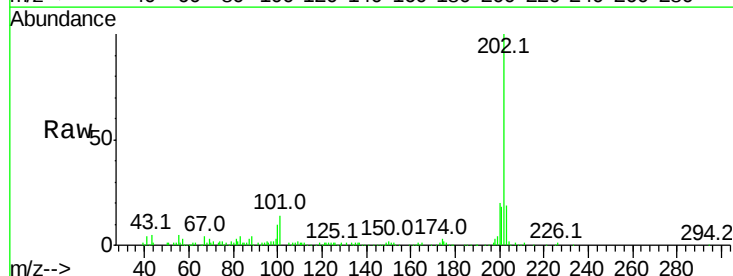
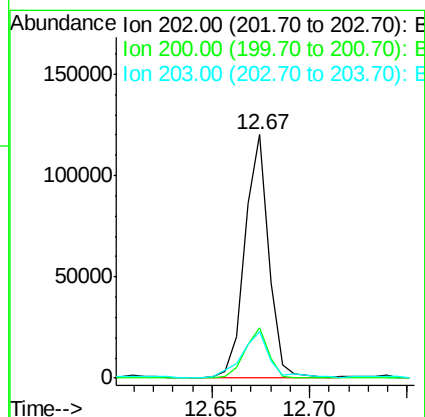
RT: 12.67 min Scan# 1800

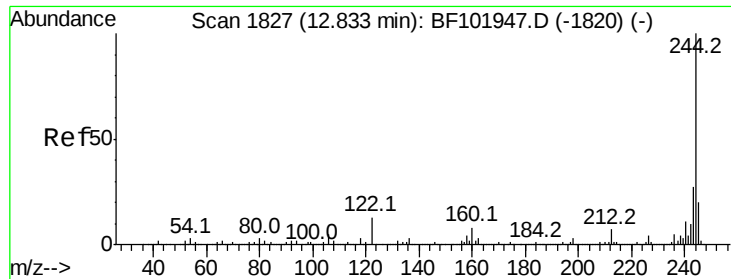
Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Tgt Ion:	202	Resp:	102595
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.4	26.2
203	18.9	14.3	21.5





#78

Terphenyl-d14

Concen: 4.137 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA_F

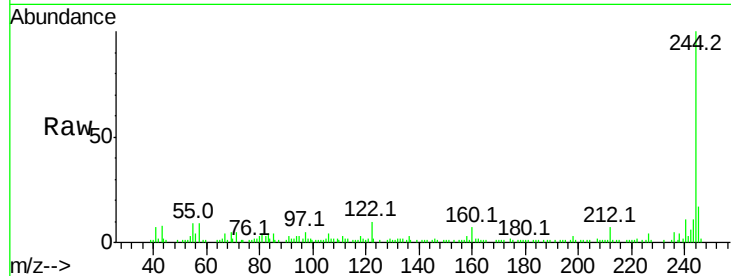
ClientSampleId :

HD-01-011518MSD

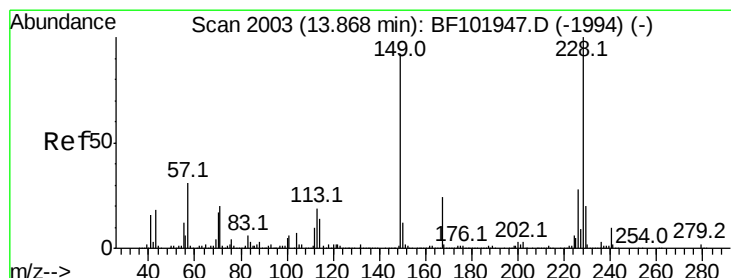
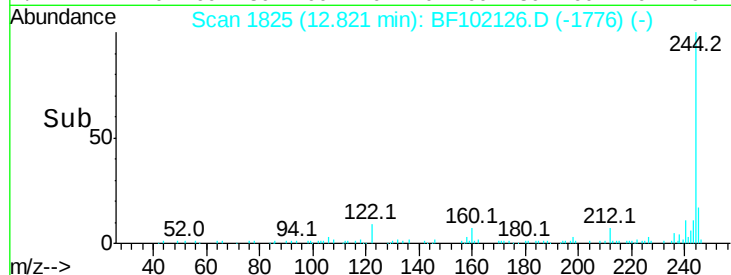
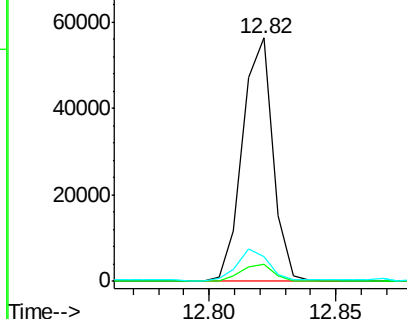
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	10.0	11.0	16.4

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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



#80

Benzo(a)anthracene

Concen: 4.406 ng

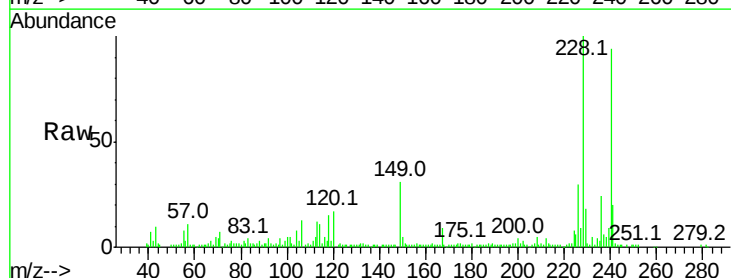
RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

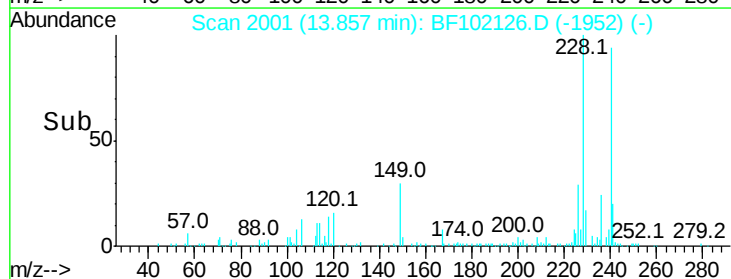
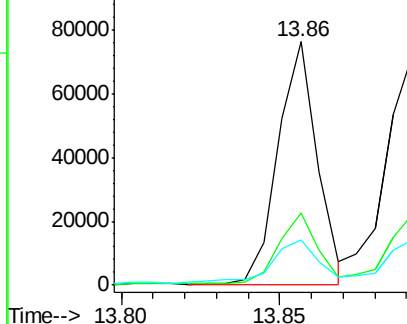
Lab File: BF102126.D

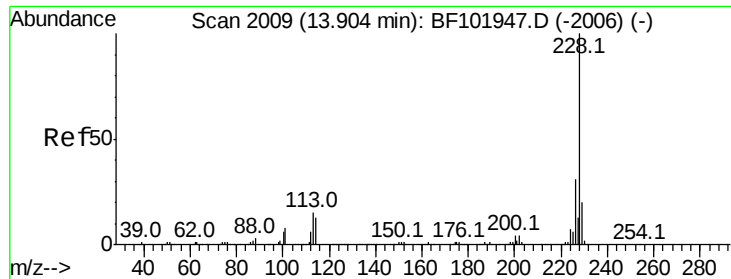
Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	18.5	15.8	23.6



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





#82

Chrysene

Concen: 4.222 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Instrument :

BNA_F

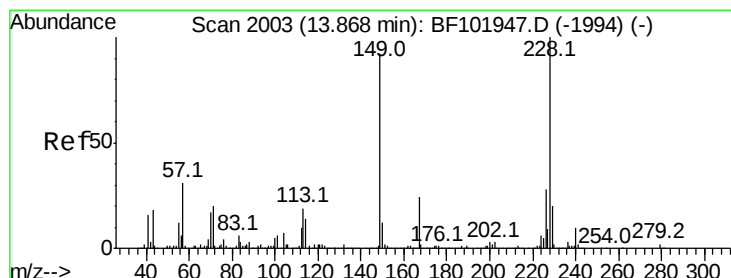
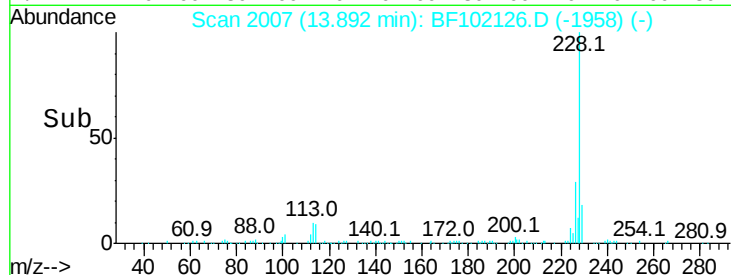
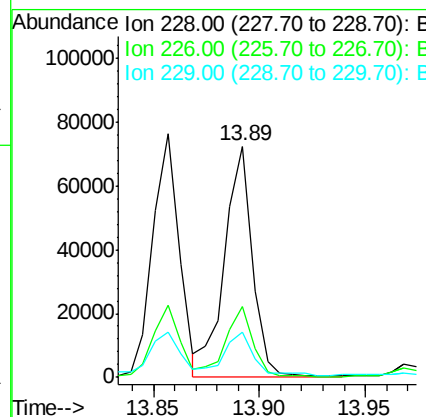
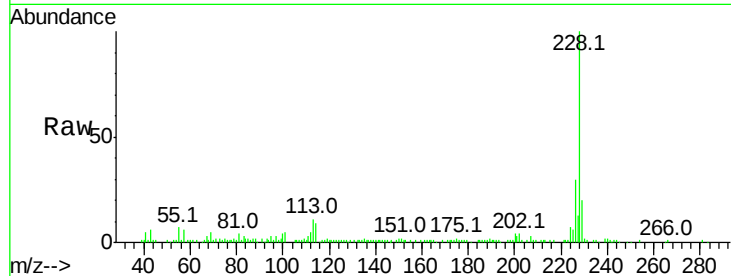
ClientSampleId :

HD-01-011518MSD

Tot Ion:	228	Resp:	66243
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	19.8	16.2	24.4

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.096 ng

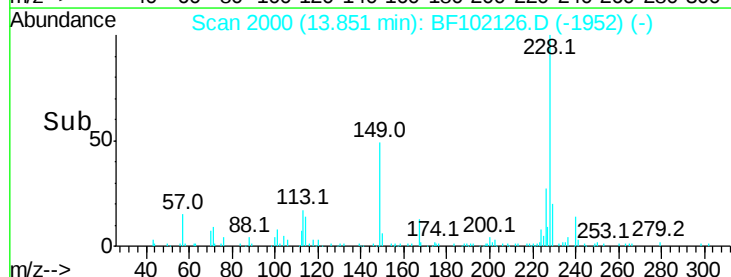
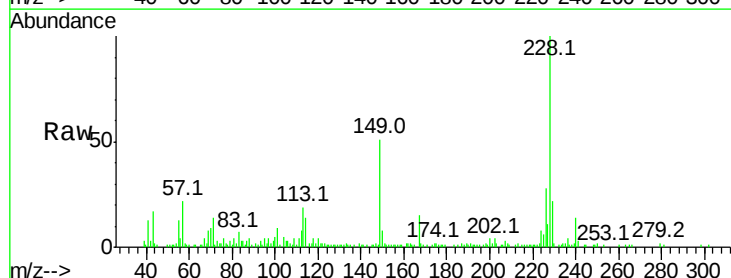
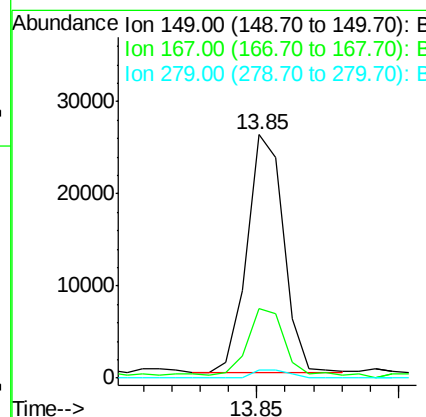
RT: 13.85 min Scan# 2000

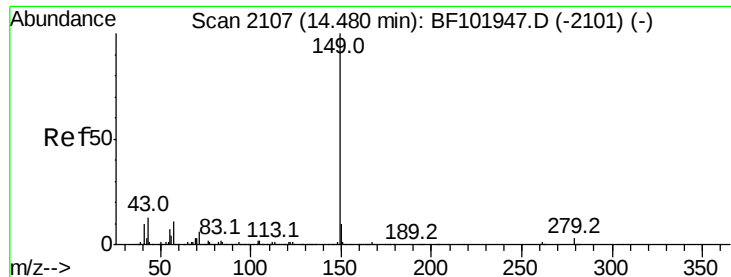
Delta R.T. -0.02 min

Lab File: BF102126.D

Acq: 16 Jan 2018 22:49

Tgt Ion:	149	Resp:	23002
Ion Ratio	Lower	Upper	
149	100		
167	28.8	21.3	31.9
279	3.6	3.0	4.4





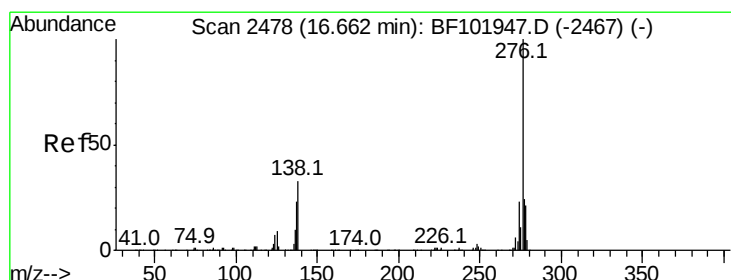
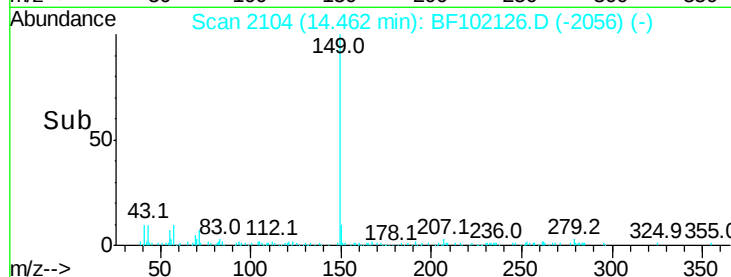
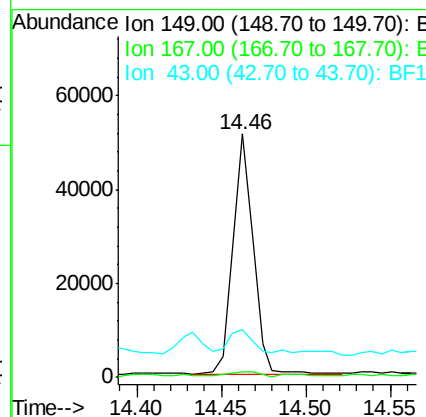
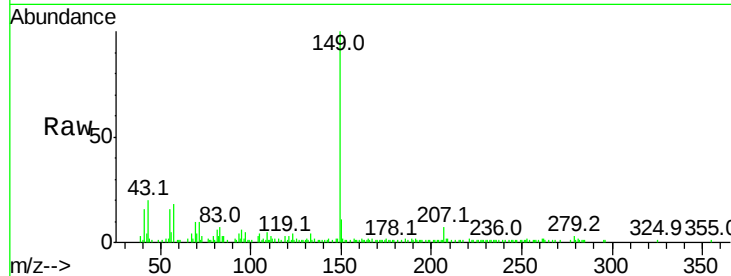
#84
Di-n-octyl phthalate
Concen: 2.311 ng
RT: 14.46 min Scan# 2104
Delta R.T. -0.02 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Instrument :
BNA_F
ClientSampleId :
HD-01-011518MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	4.1	1.2	1.8	
43	10.5	8.4	12.6	

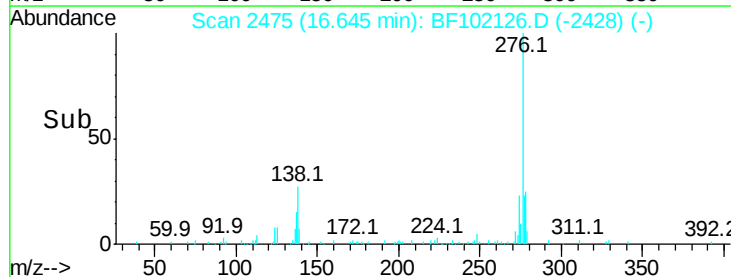
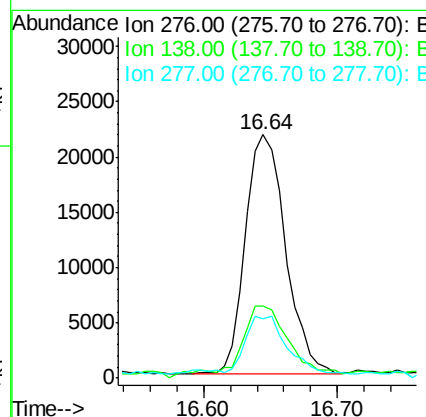
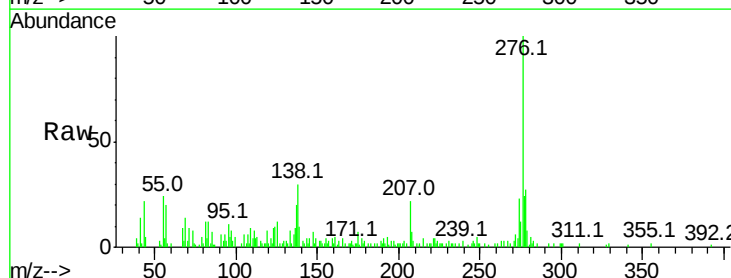
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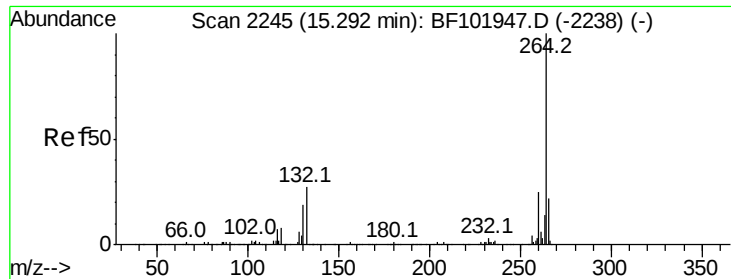
Sohil
1/17/2018 10:42:00 AM



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.979 ng
RT: 16.64 min Scan# 2475
Delta R.T. -0.02 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	37.3	25.0	37.6	
277	25.5	20.1	30.1	





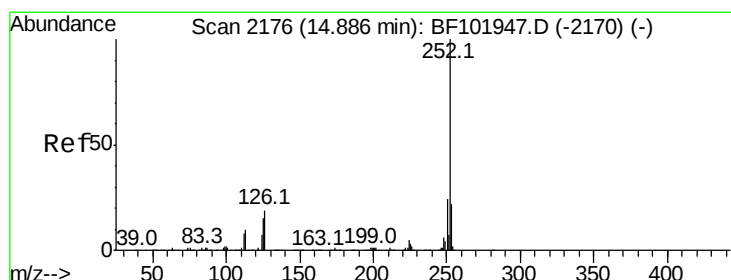
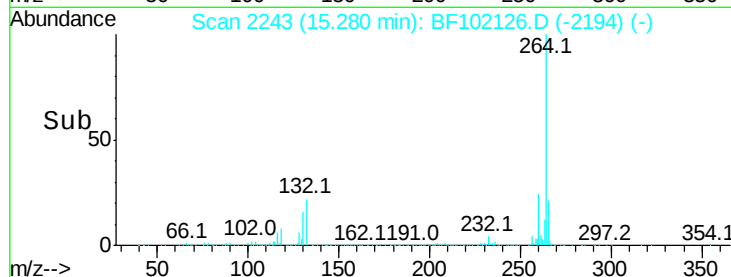
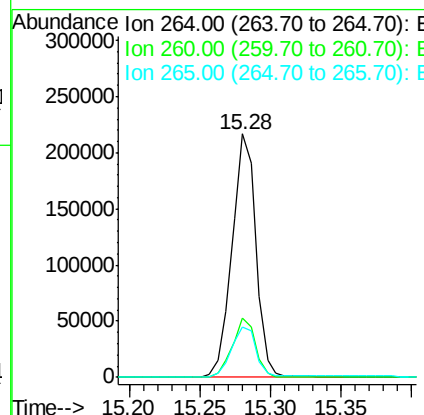
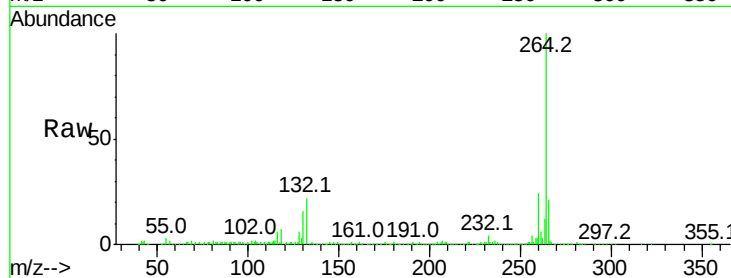
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Instrument :
BNA_F
ClientSampleId :
HD-01-011518MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	20.9	17.5	26.3

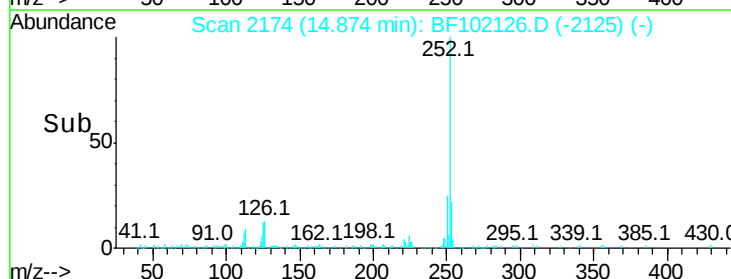
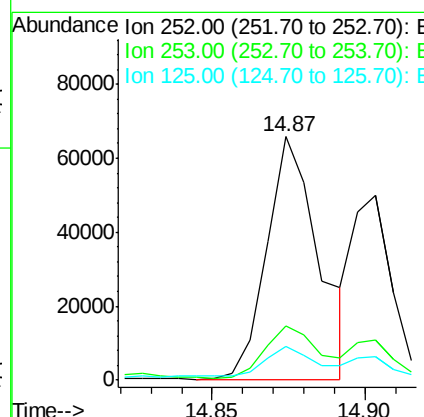
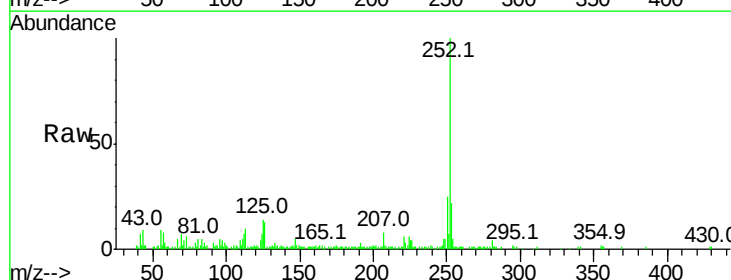
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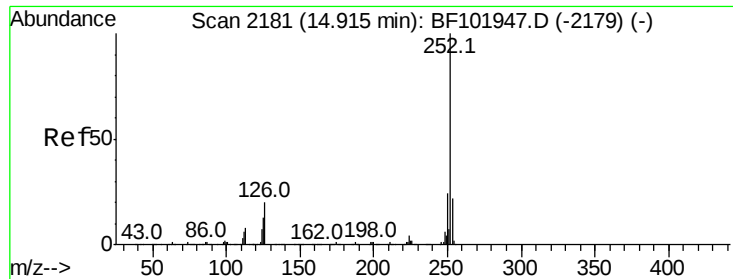
Sohil
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#87
Benzo(b)fluoranthene
Concen: 4.693 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	13.7	9.0	13.6#





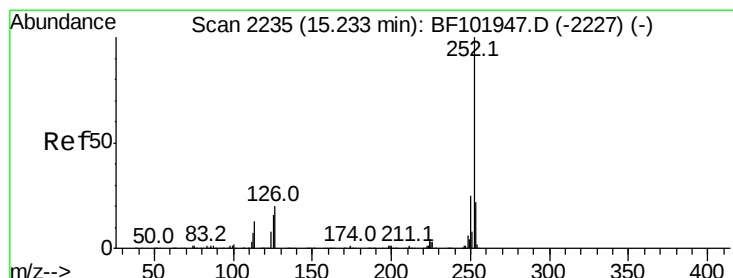
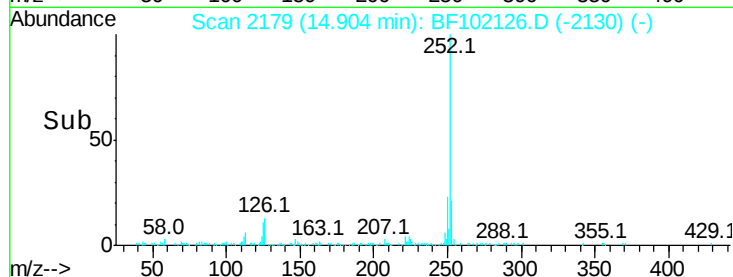
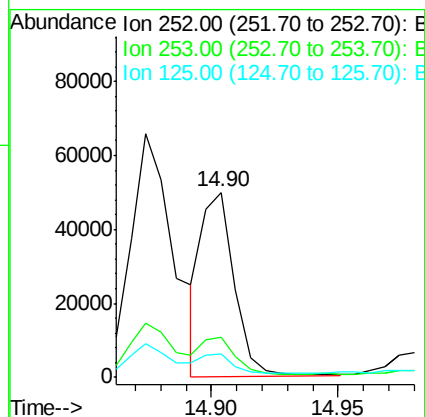
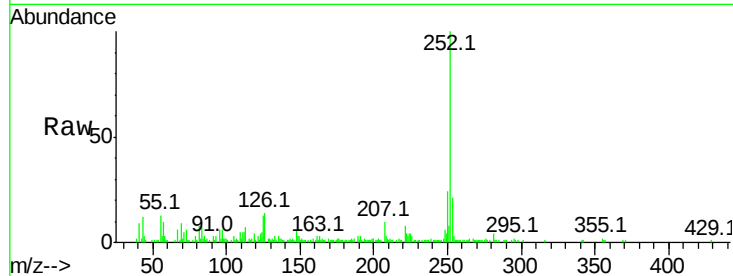
#88
Benzo(k)fluoranthene
Concen: 2.815 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Instrument :
BNA_F
ClientSampleId :
HD-01-011518MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.9	26.9
125	12.7	10.2	15.2

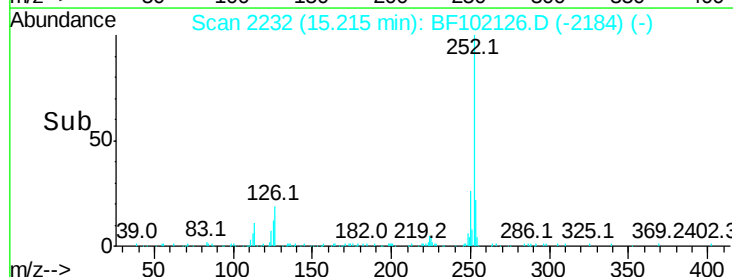
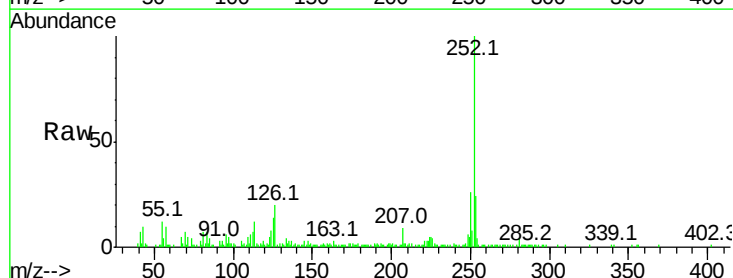
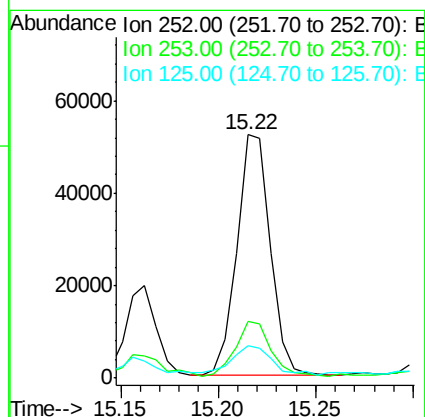
Manual Integrations
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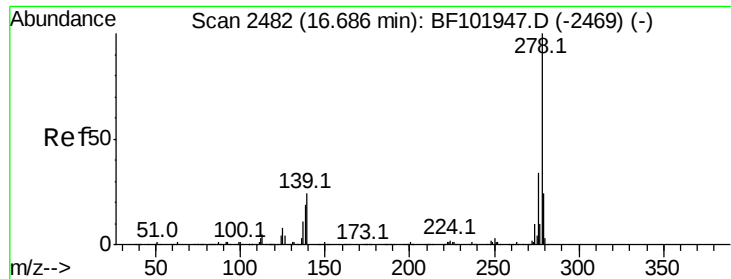
Sohil
1/17/2018 10:42:00 AM



#89
Benzo(a)pyrene
Concen: 4.128 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.5	9.8	14.6





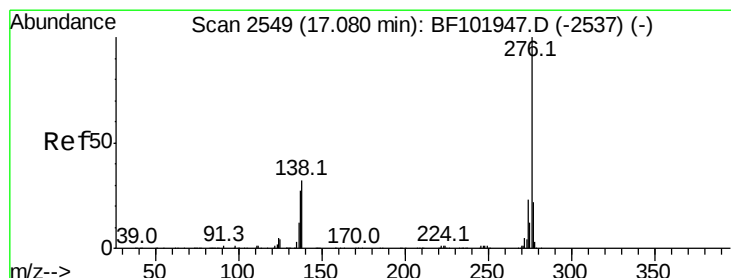
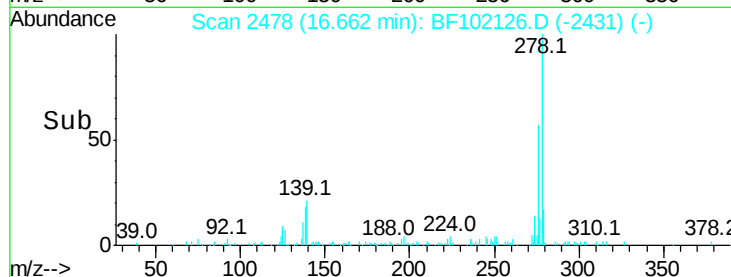
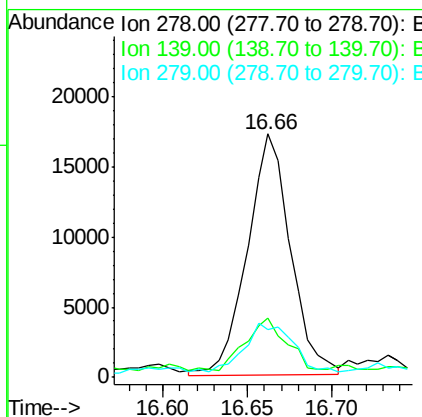
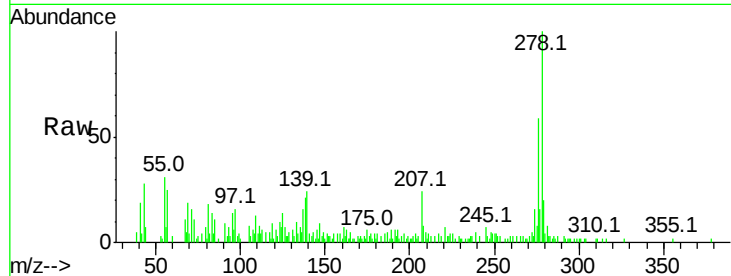
#90
Dibenzo(a,h)anthracene
Concen: 2.563 ng
RT: 16.66 min Scan# 2478
Delta R.T. -0.02 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Instrument :
BNA_F
ClientSampleId :
HD-01-011518MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.4	15.9	23.9#
279	19.6	19.0	28.4

Manual Integrations
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1/17/2018 10:42:00 AM



#91
Benzo(g,h,i)perylene
Concen: 3.327 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.03 min
Lab File: BF102126.D
Acq: 16 Jan 2018 22:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	35.0	21.8	32.8#

