

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
 Data File : BF108426.D
 Acq On : 23 Aug 2018 17:49
 Operator : JU/SJ
 Sample : J4535-04MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Manual Integrations
 APPROVED

Sohil
 8/24/2018 12:14:02 PM

Quant Time: Aug 24 01:21:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	141592	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	547536	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	283195	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	568469	20.00	ng	0.00
75) Chrysene-d12	14.19	240	416826	20.00	ng	0.00
86) Perylene-d12	15.75	264	307305	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.63	112	706857	90.38	ng	0.00
7) Phenol-d6	6.62	99	964564	92.81	ng	0.00
23) Nitrobenzene-d5	7.57	82	641700	65.40	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	301033	106.57	ng	0.00
44) 2-Fluorobiphenyl	9.36	172	1129502	64.03	ng	0.00
78) Terphenyl-d14	13.12	244	1282516	78.23	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.93	88	95862	23.855	ng	88
3) Pyridine	3.70	79	275872	26.649	ng	87
4) n-Nitrosodimethylamine	3.66	42	156402	26.850	ng	86
6) Aniline	6.67	93	381231	26.968	ng	98
8) 2-Chlorophenol	6.79	128	282004	32.016	ng	99
9) Benzaldehyde	6.55	77	140642	17.454	ng	95
10) Phenol	6.64	94	339246	31.557	ng	90
11) bis(2-Chloroethyl)ether	6.73	93	272354	31.337	ng	94
12) 1,3-Dichlorobenzene	6.94	146	314495	30.879	ng	99
13) 1,4-Dichlorobenzene	7.02	146	319790	31.251	ng	97
14) 1,2-Dichlorobenzene	7.17	146	299165	31.431	ng	98
15) Benzyl Alcohol	7.14	79	263153	30.078	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.27	45	518980	28.987	ng	99
17) 2-Methylphenol	7.24	107	243408	32.224	ng	94
18) Hexachloroethane	7.51	117	113390	31.125	ng	93
19) n-Nitroso-di-n-propylamine	7.40	70	214698	30.549	ng	90
20) 3+4-Methylphenols	7.40	107	301605	31.158	ng	# 85
22) Acetophenone	7.41	105	413870	32.326	ng	# 95
24) Nitrobenzene	7.58	77	317583	32.007	ng	97
25) Isophorone	7.82	82	585539	31.308	ng	97
26) 2-Nitrophenol	7.90	139	143959	38.419	ng	# 87
27) 2,4-Dimethylphenol	7.92	122	254464	30.656	ng	97
28) bis(2-Chloroethoxy)methane	8.02	93	350684	32.120	ng	98
29) 2,4-Dichlorophenol	8.14	162	255485	33.445	ng	99
30) 1,2,4-Trichlorobenzene	8.22	180	269737	32.027	ng	96
31) Naphthalene	8.31	128	832285	33.424	ng	99
32) Benzoic acid	8.00	122	28402	11.137	ng	95
33) 4-Chloroaniline	8.35	127	292424	26.947	ng	96
34) Hexachlorobutadiene	8.41	225	173041	32.455	ng	99
35) Caprolactam	8.71	113	74463m	31.106	ng	
36) 4-Chloro-3-methylphenol	8.83	107	272046	33.013	ng	99
37) 2-Methylnaphthalene	9.00	142	572863	32.517	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	292586	33.644	ng	98
40) Hexachlorocyclopentadiene	9.15	237	252475	44.946	ng	98

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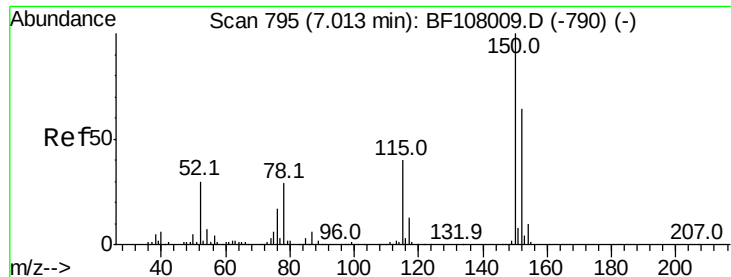
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.27	196	191115	35.413	nq	98
43) 2,4,5-Trichlorophenol	9.32	196	209843	35.322	nq	# 93
45) 1,1'-Biphenyl	9.46	154	702079	33.625	nq	99
46) 2-Chloronaphthalene	9.49	162	541972	32.841	nq	99
47) 2-Nitroaniline	9.58	65	184325	34.520	nq	86
48) Acenaphthylene	9.91	152	882268	33.817	nq	100
49) Dimethylphthalate	9.76	163	744470	37.739	nq	# 99
50) 2,6-Dinitrotoluene	9.82	165	147721	35.792	nq	92
51) Acenaphthene	10.08	154	521616	32.642	nq	99
52) 3-Nitroaniline	10.00	138	133950	29.663	nq	97
53) 2,4-Dinitrophenol	10.11	184	77600	52.852	nq	# 22
54) Dibenzofuran	10.25	168	773447	33.409	nq	98
55) 4-Nitrophenol	10.16	139	215943	63.150	nq	91
56) 2,4-Dinitrotoluene	10.23	165	196327	36.955	nq	# 94
57) Fluorene	10.60	166	619025	33.777	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.37	232	177048	35.656	nq	87
59) Diethylphthalate	10.46	149	647331	33.888	nq	96
60) 4-Chlorophenyl-phenylether	10.58	204	316541	33.147	nq	92
61) 4-Nitroaniline	10.62	138	153527	34.388	nq	93
62) Azobenzene	10.75	77	643793	32.634	nq	93
64) 4,6-Dinitro-2-methylphenol	10.64	198	71357	35.060	nq	92
65) n-Nitrosodiphenylamine	10.71	169	563520	33.545	nq	96
66) 4-Bromophenyl-phenylether	11.08	248	206353	33.403	nq	# 87
67) Hexachlorobenzene	11.15	284	215086	33.090	nq	# 88
68) Atrazine	11.23	200	191563	33.999	nq	95
69) Pentachlorophenol	11.34	266	206900	66.503	nq	96
70) Phenanthrene	11.57	178	901092	33.607	nq	100
71) Anthracene	11.62	178	932162	33.920	nq	100
72) Carbazole	11.77	167	815687	33.408	nq	100
73) Di-n-butylphthalate	12.09	149	986411	35.667	nq	99
74) Fluoranthene	12.76	202	970284	33.158	nq	96
76) Benzidine	12.88	184	348178	22.357	nq	99
77) Pyrene	12.99	202	952699	36.102	nq	99
79) Butylbenzylphthalate	13.59	149	389824	37.201	nq	# 98
80) Benzo(a)anthracene	14.18	228	777548	32.504	nq	100
81) 3,3'-Dichlorobenzidine	14.14	252	208000	24.263	nq	# 94
82) Chrysene	14.22	228	727492	33.172	nq	100
83) Bis(2-ethylhexyl)phthalate	14.15	149	506746	35.711	nq	# 98
84) Di-n-octyl phthalate	14.77	149	744560	34.404	nq	97
85) Indeno(1,2,3-cd)pyrene	17.37	276	598843	31.514	nq	# 90
87) Benzo(b)fluoranthene	15.28	252	579583	31.563	nq	# 97
88) Benzo(k)fluoranthene	15.31	252	567761	33.635	nq	# 95
89) Benzo(a)pyrene	15.68	252	530730	32.276	nq	# 97
90) Dibenzo(a,h)anthracene	17.38	278	503913	37.038	nq	# 92
91) Benzo(g,h,i)perylene	17.86	276	501870	37.462	nq	# 90

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



#1

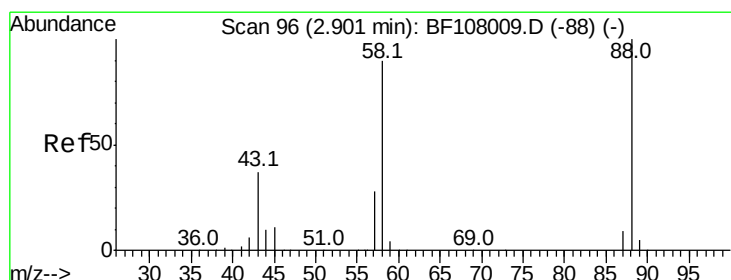
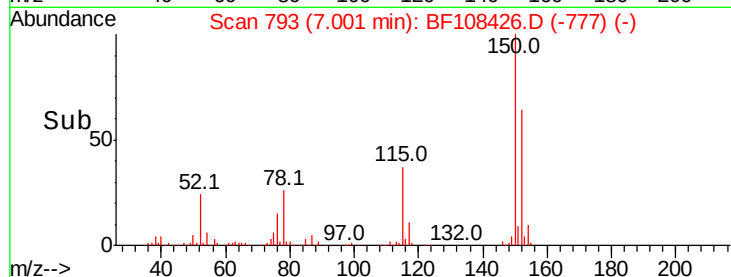
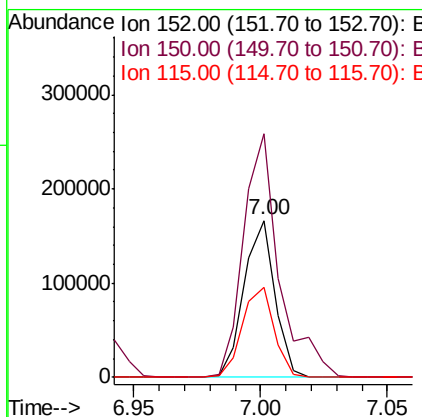
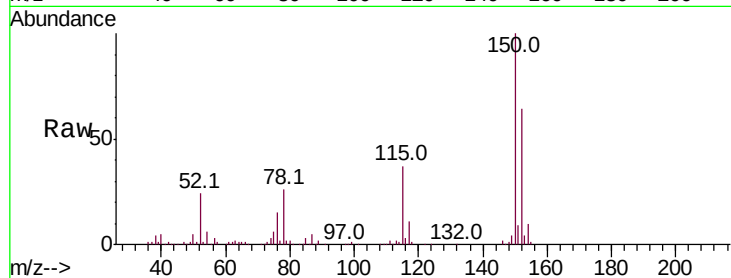
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	57.4	50.1	75.1

Manual Integrations
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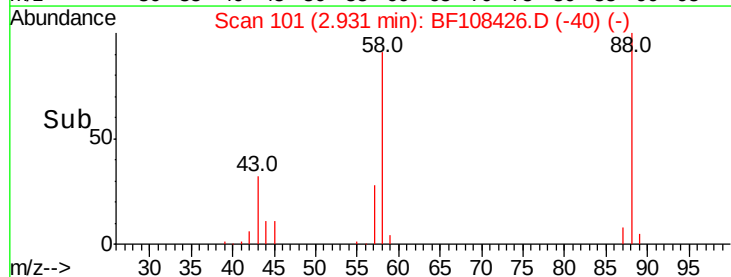
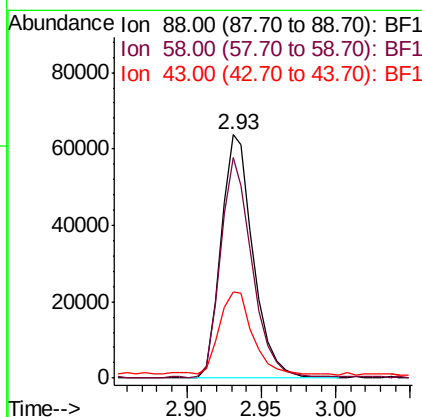
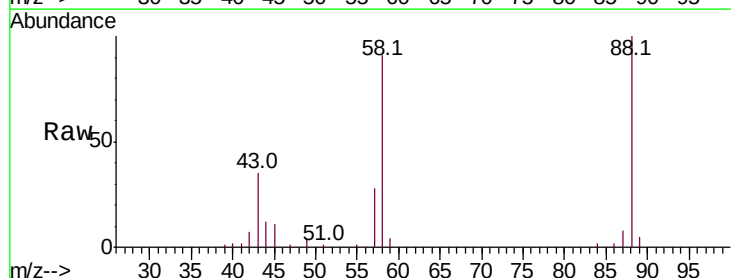
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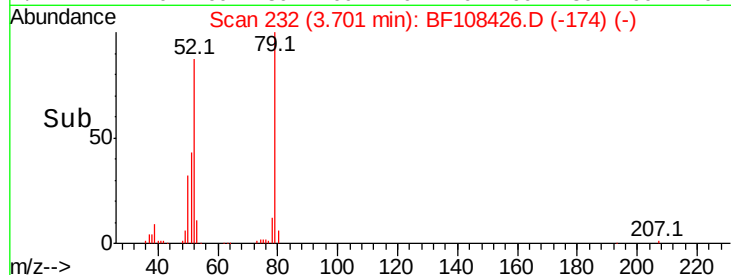
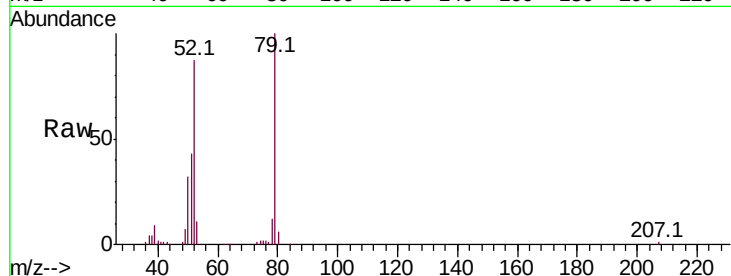
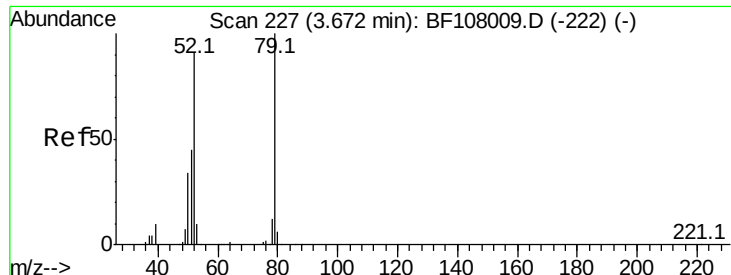


#2

1,4-Dioxane
Concen: 23.855 ng
RT: 2.93 min Scan# 101
Delta R.T. 0.06 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
88	100		
58	89.9	62.6	93.8
43	36.3	24.6	37.0





#3

Pvridine

Concen: 26.649 ng

RT: 3.70 min Scan# 232

Delta R.T. 0.04 min

Lab File: BF108426.D

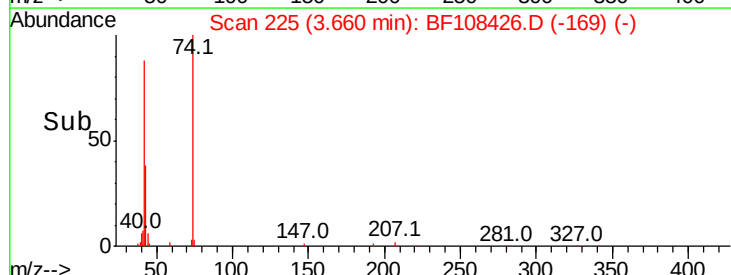
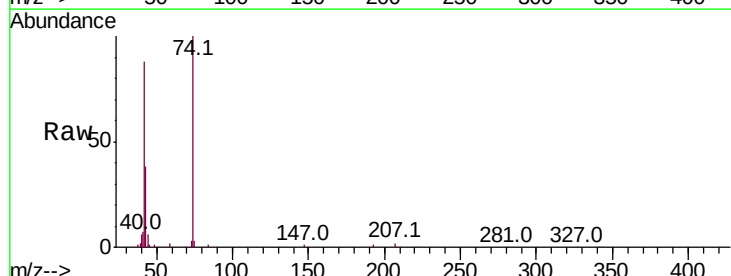
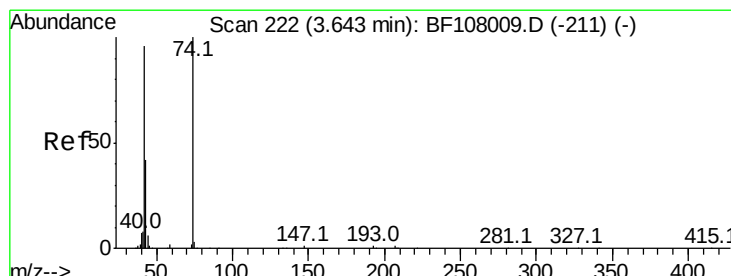
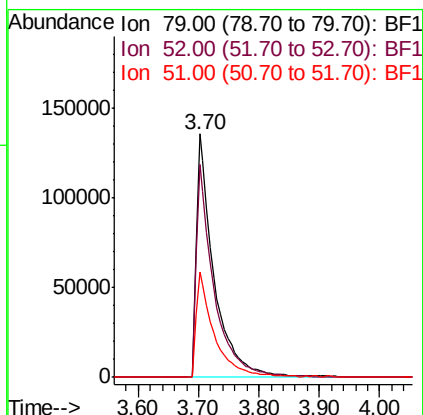
Acq: 23 Aug 2018 17:49

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
52	87.4	59.8	89.6		
51	43.1	29.8	44.8		

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

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#4

n-Nitrosodimethylamine

Concen: 26.850 ng

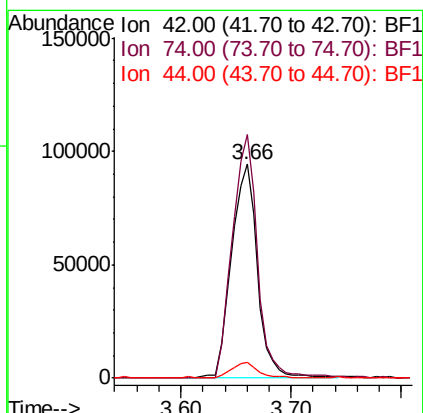
RT: 3.66 min Scan# 225

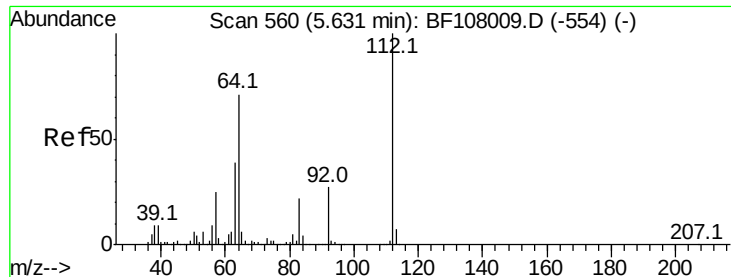
Delta R.T. 0.03 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
74	113.8	104.9	157.3		
44	7.1	6.9	10.3		





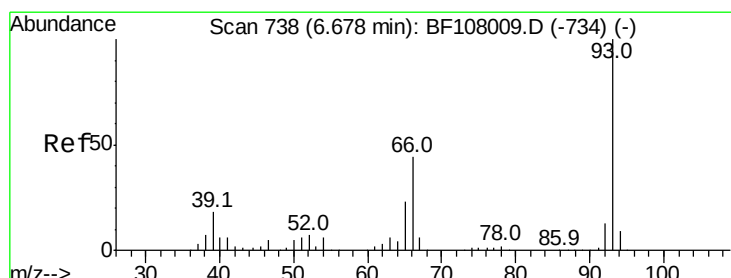
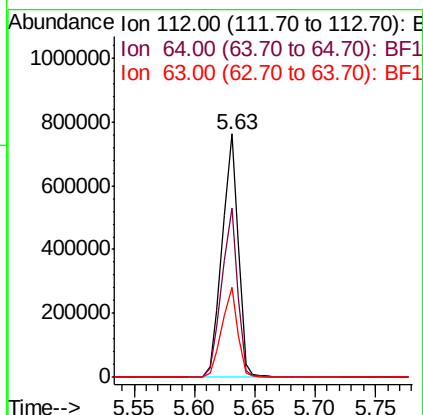
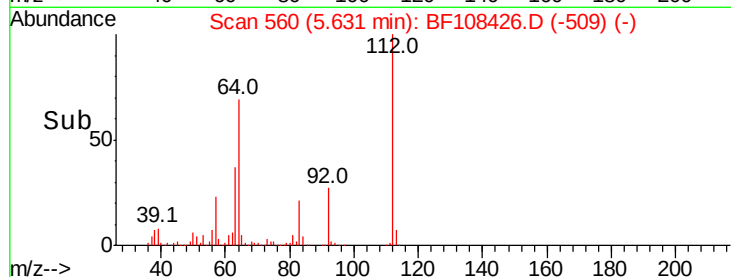
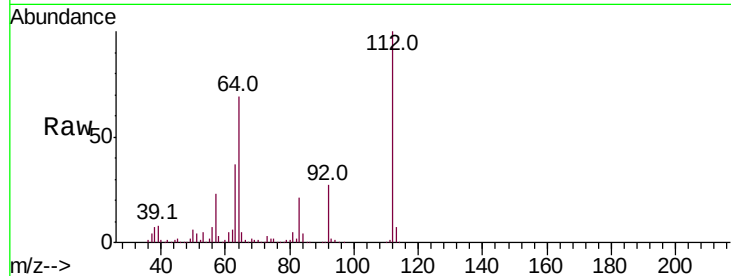
#5
2-Fluorophenol
Concen: 90.382 ng
RT: 5.63 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	69.5	47.9	71.9
63	37.0	23.7	35.5

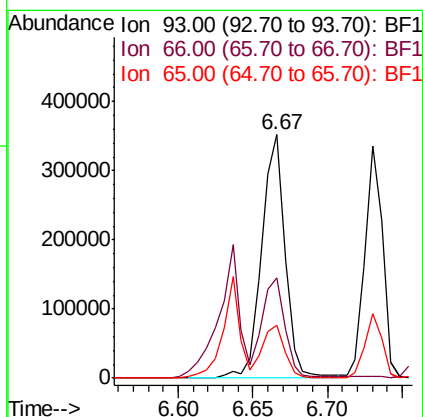
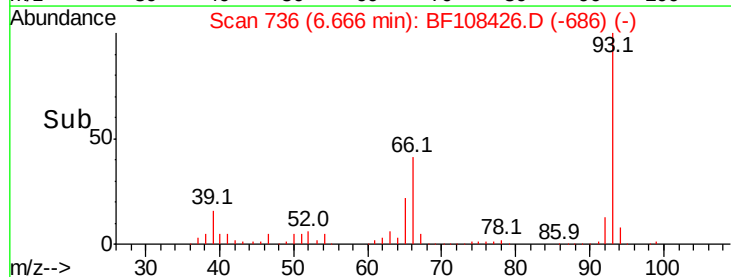
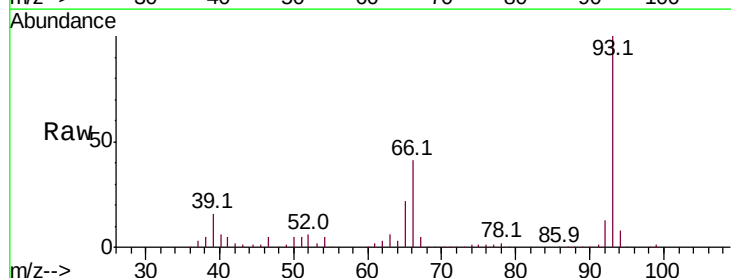
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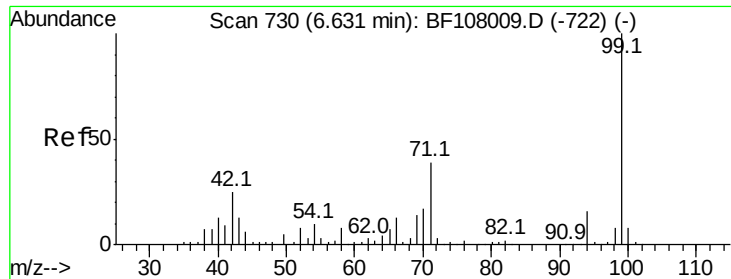
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#6
Aniline
Concen: 26.968 ng
RT: 6.67 min Scan# 736
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	40.9	32.2	48.2
65	21.7	16.4	24.6





#7

Phenol-d6

Concen: 92.811 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA_F

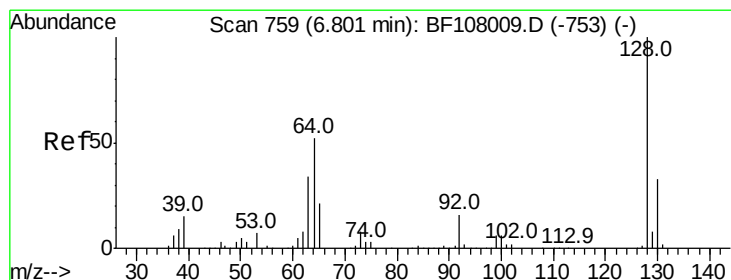
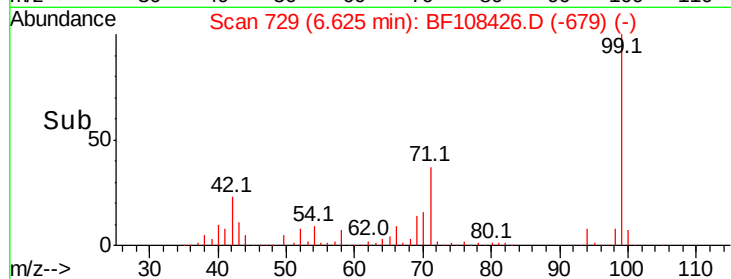
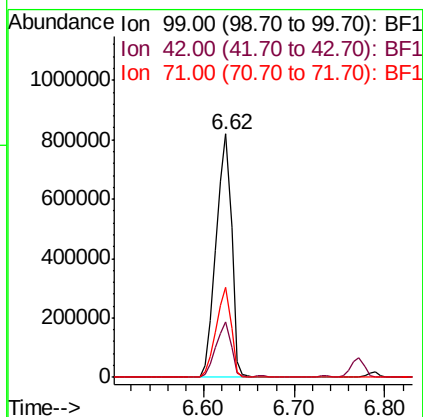
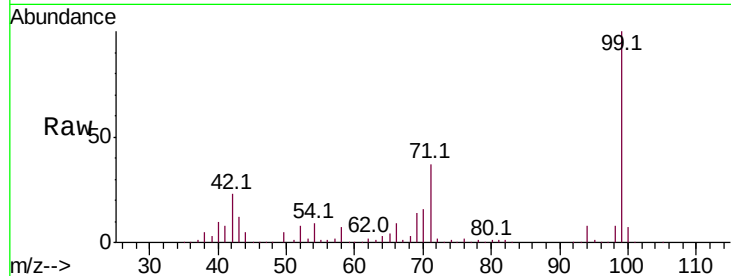
ClientSampleId :

RA-081618-FL-036MSD

Tot Ion:	99	Resp:	964564
Ion Ratio	Lower	Upper	
99	100		
42	22.5	14.5	21.7#
71	37.0	25.4	38.0

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#8

2-Chlorophenol

Concen: 32.016 ng

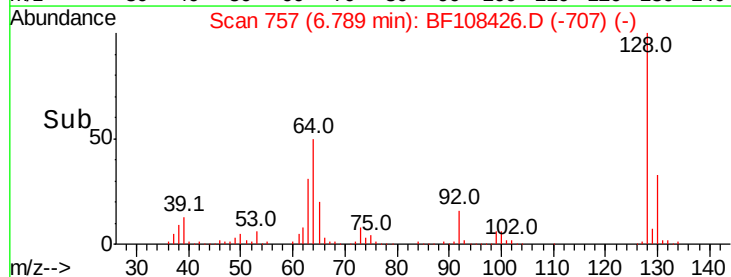
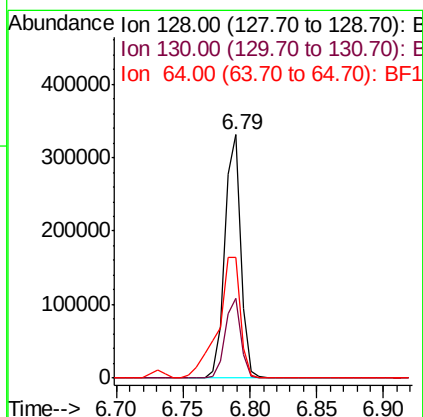
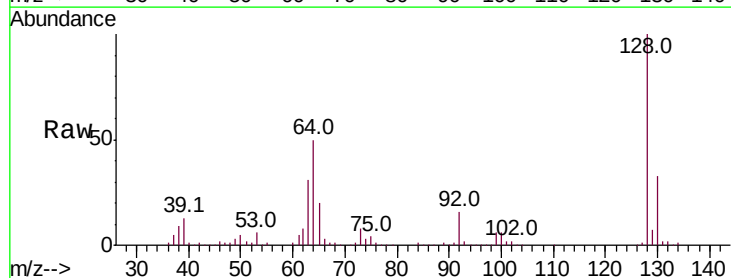
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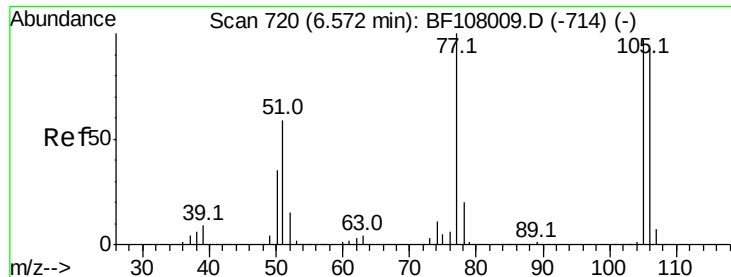
Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Tgt Ion:	128	Resp:	282004
Ion Ratio	Lower	Upper	
128	100		
130	32.8	13.0	53.0
64	49.8	29.4	69.4





#9

Benzaldehyde

Concen: 17.454 ng

RT: 6.55 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA_F

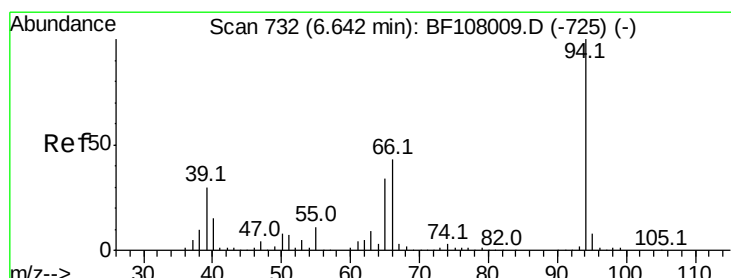
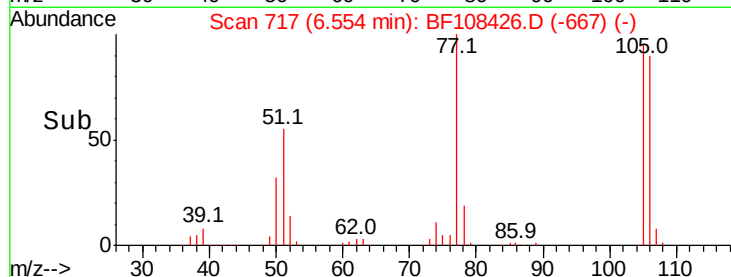
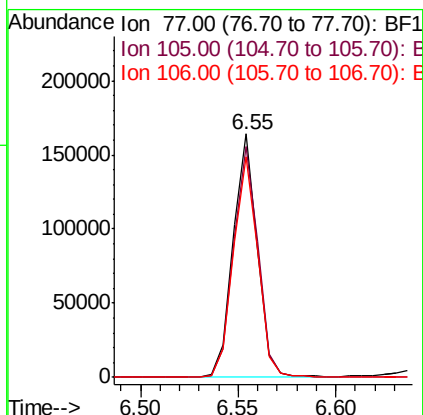
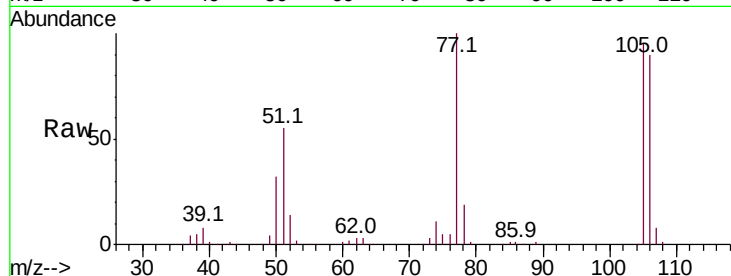
ClientSampleId :

RA-081618-FL-036MSD

Tot Ion:	77	Resp:	140642
Ion Ratio	Lower	Upper	
77	100		
105	94.9	81.1	121.1
106	90.4	74.5	114.5

Manual Integrations
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#10

Phenol

Concen: 31.557 ng

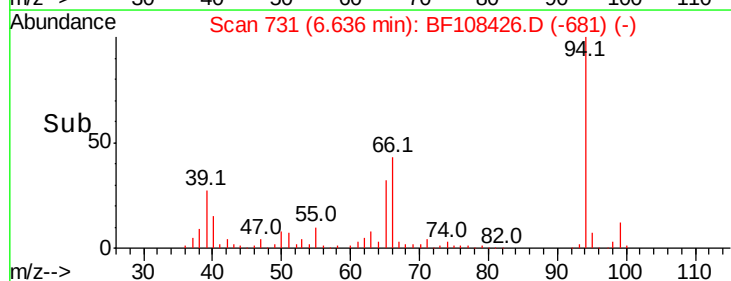
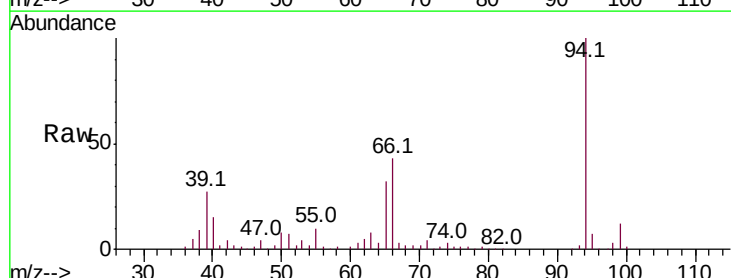
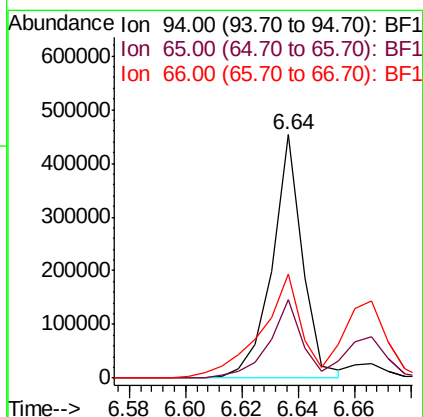
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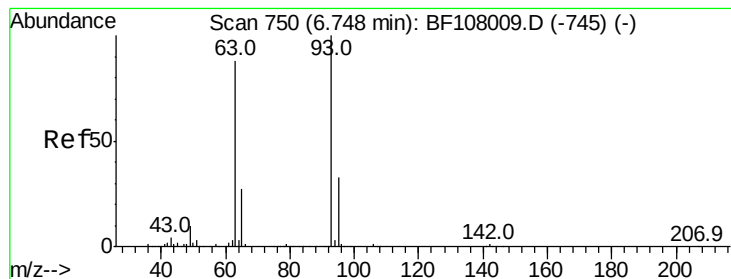
Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Tgt Ion:	94	Resp:	339246
Ion Ratio	Lower	Upper	
94	100		
65	32.3	7.9	47.9
66	42.8	16.2	56.2





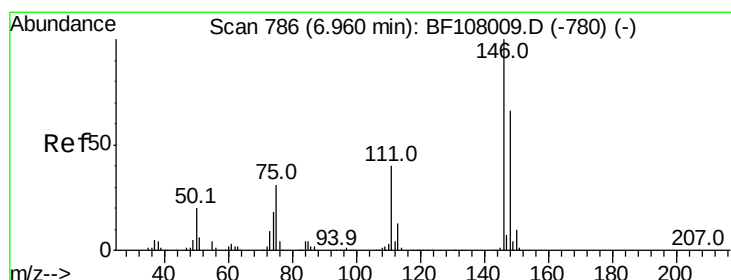
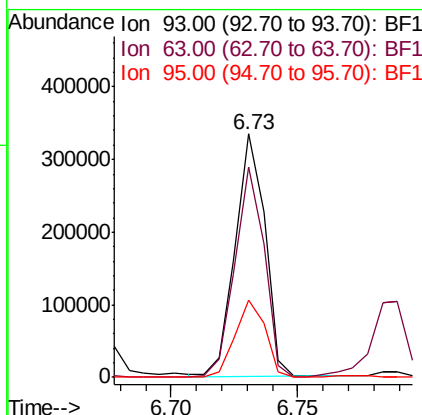
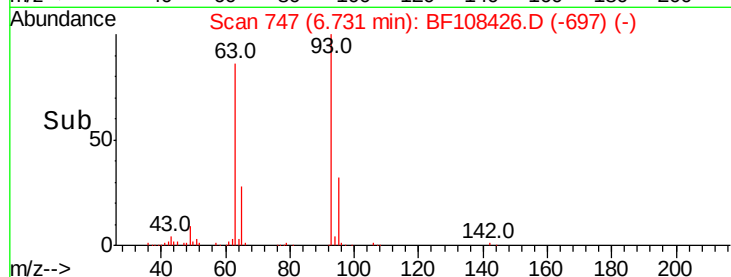
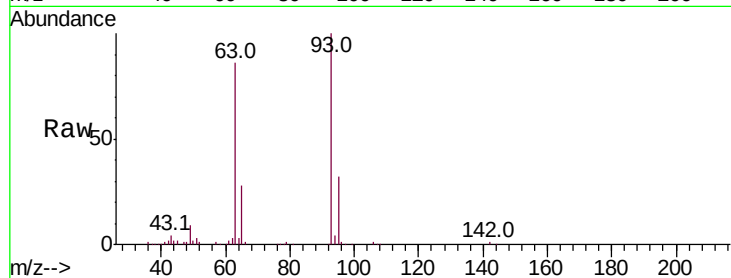
#11
bis(2-Chloroethyl)ether
Concen: 31.337 ng
RT: 6.73 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	86.4	58.6	98.6
95	31.7	11.8	51.8

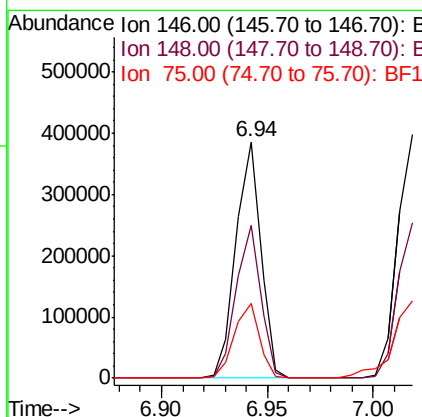
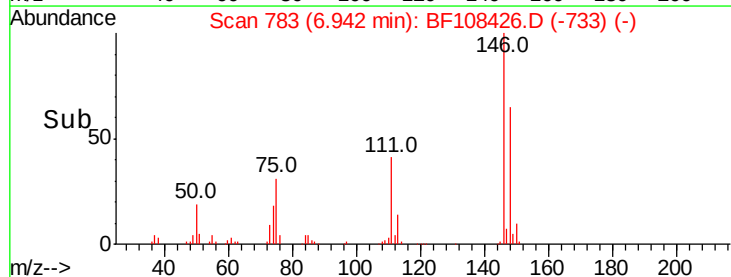
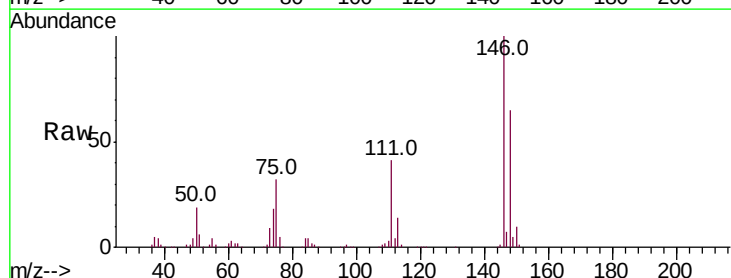
Manual Integrations
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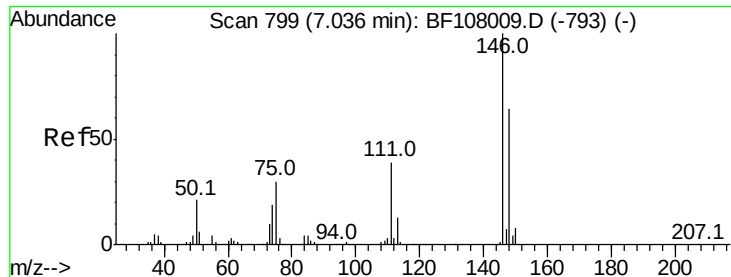
Sohil
8/24/2018 12:14:02 PM



#12
1,3-Dichlorobenzene
Concen: 30.879 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.8	77.8
75	31.6	24.2	36.4





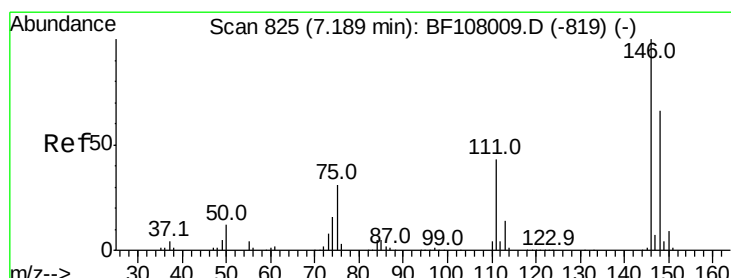
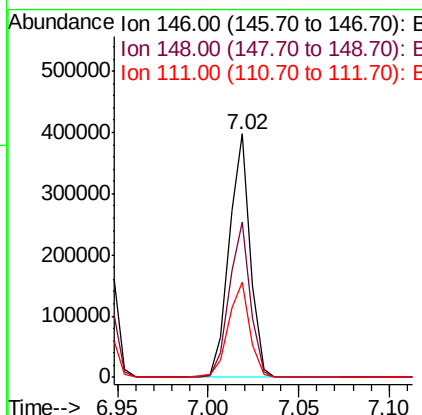
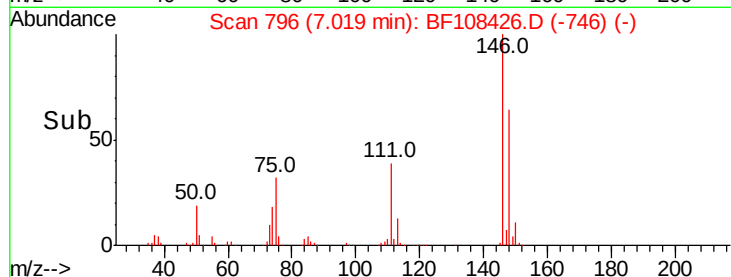
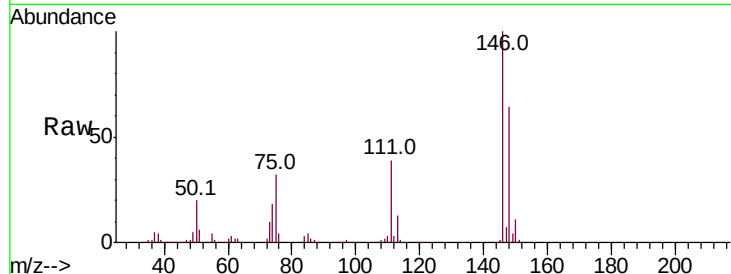
#13
1,4-Dichlorobenzene
Concen: 31.251 ng
RT: 7.02 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.8	76.2
111	38.9	34.2	51.2

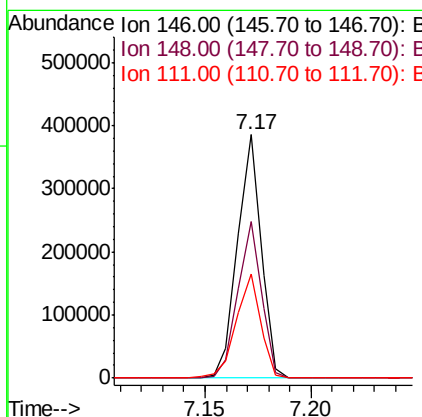
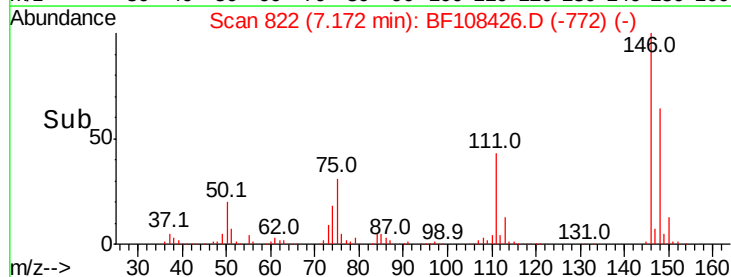
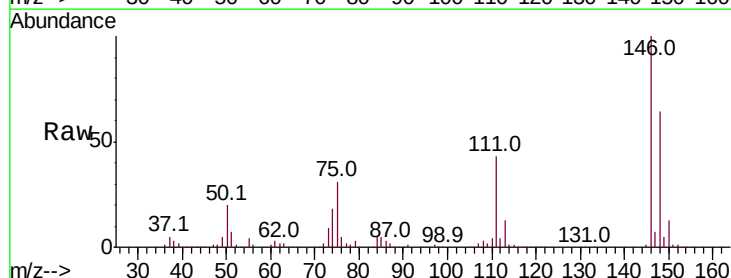
Manual Integrations
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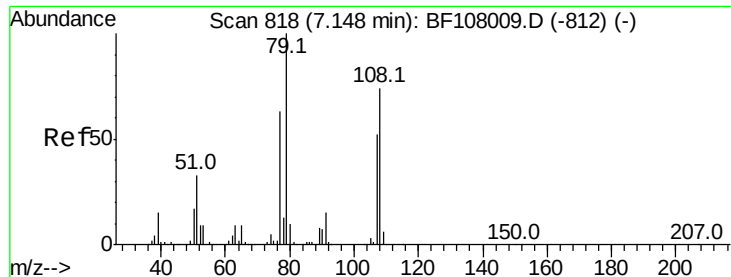
Sohil
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#14
1,2-Dichlorobenzene
Concen: 31.431 ng
RT: 7.17 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.6	75.8
111	42.7	36.0	54.0





#15

Benzyl Alcohol

Concen: 30.078 ng

RT: 7.14 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA_F

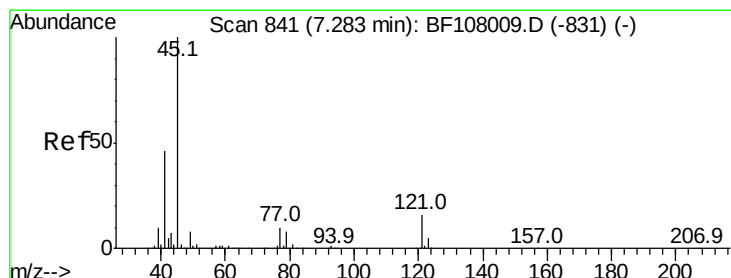
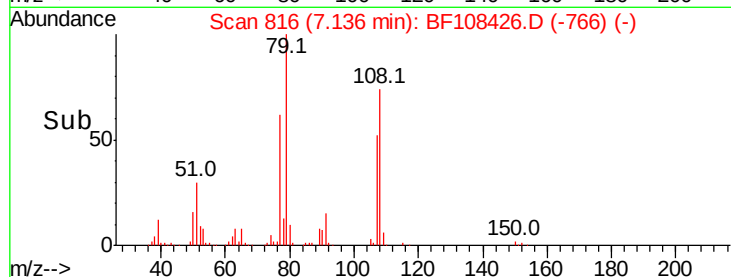
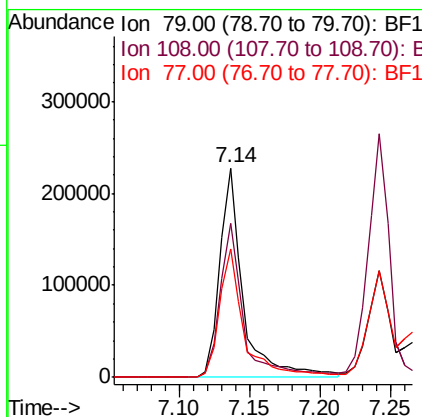
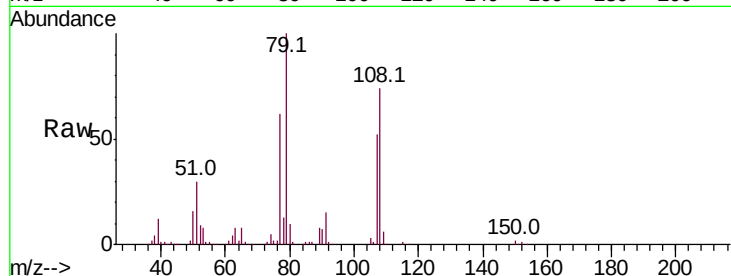
ClientSampleId :

RA-081618-FL-036MSD

Tot Ion:	79	Resp:	263153
Ion Ratio	Lower	Upper	
79	100		
108	73.5	65.1	97.7
77	61.7	50.6	75.8

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 28.987 ng

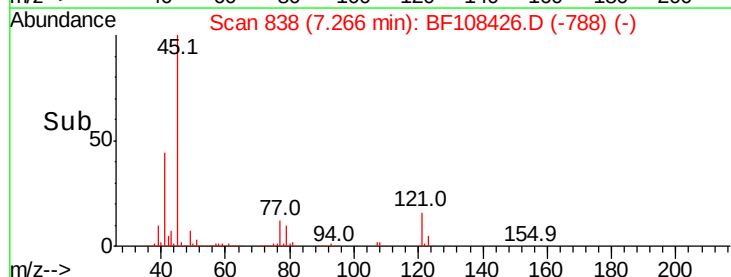
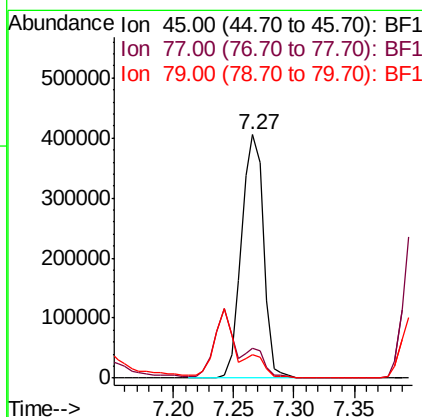
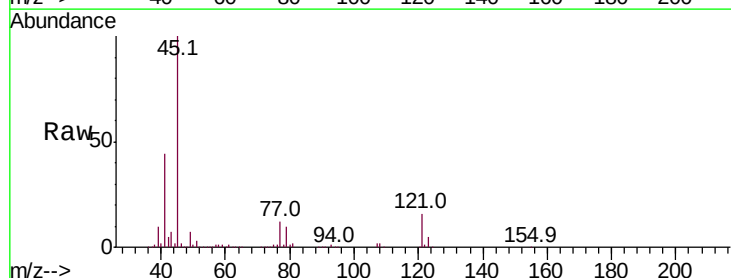
RT: 7.27 min Scan# 838

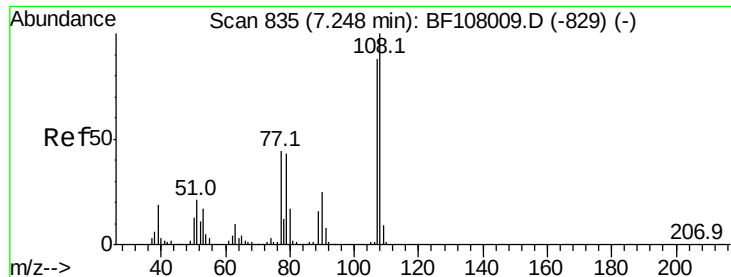
Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Tgt Ion:	45	Resp:	518980
Ion Ratio	Lower	Upper	
45	100		
77	12.1	0.0	32.9
79	9.5	0.0	29.6





#17

2-Methylphenol

Concen: 32.224 ng

RT: 7.24 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA_F

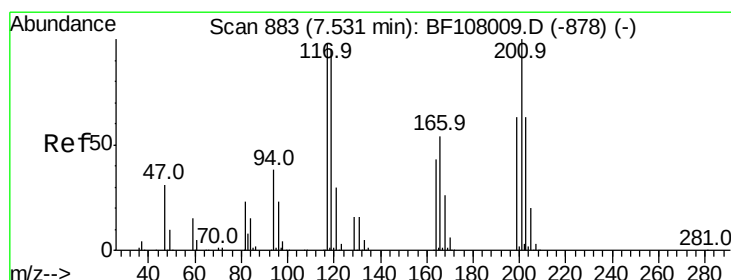
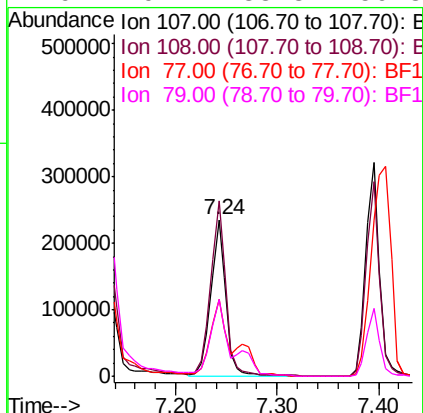
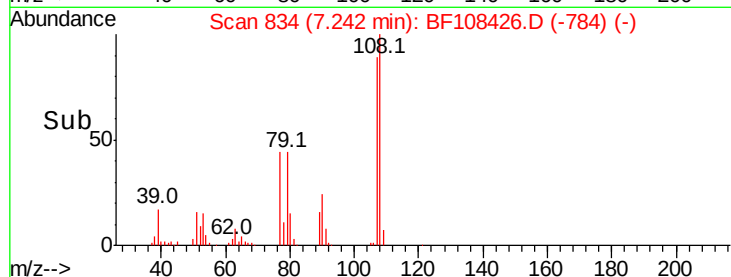
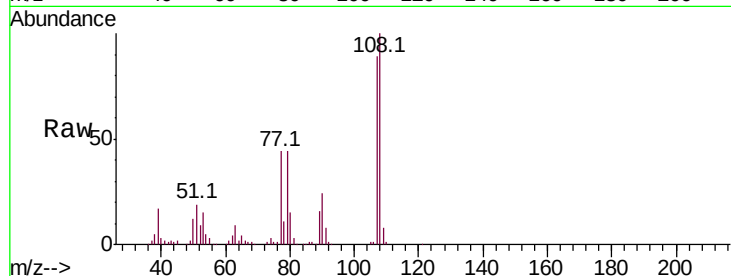
ClientSampleId :

RA-081618-FL-036MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.5	91.7	137.5	
77	49.1	33.8	50.8	
79	49.1	33.8	50.8	

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#18

Hexachloroethane

Concen: 31.125 ng

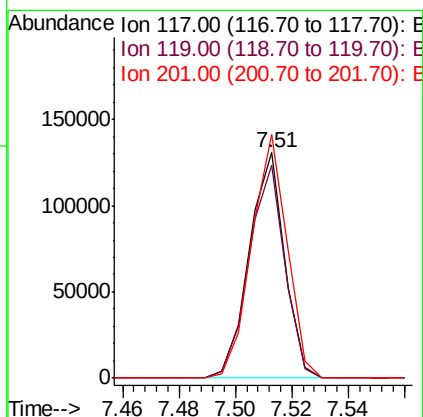
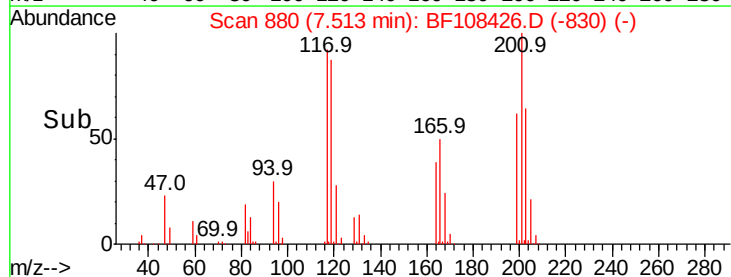
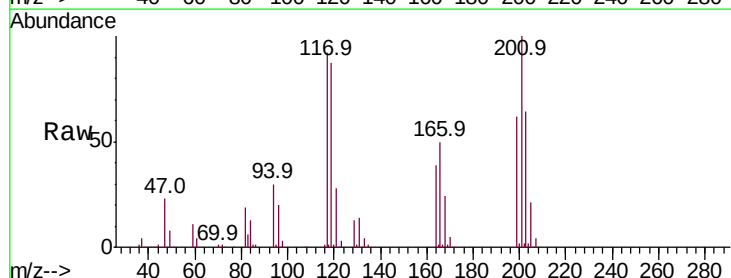
RT: 7.51 min Scan# 880

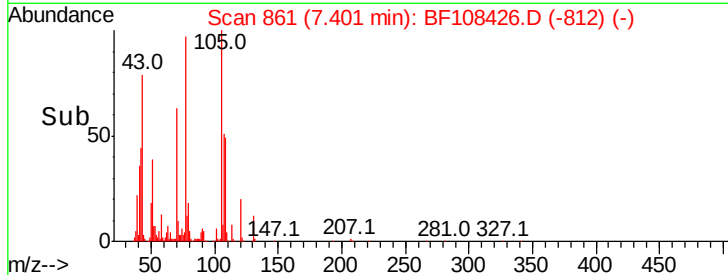
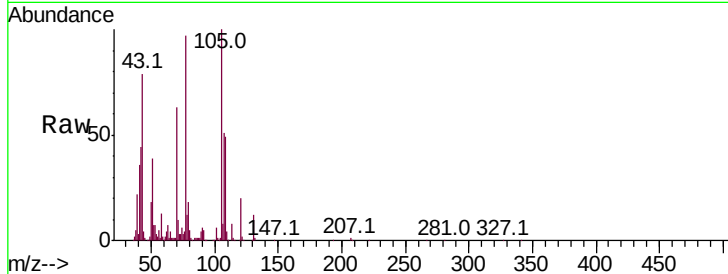
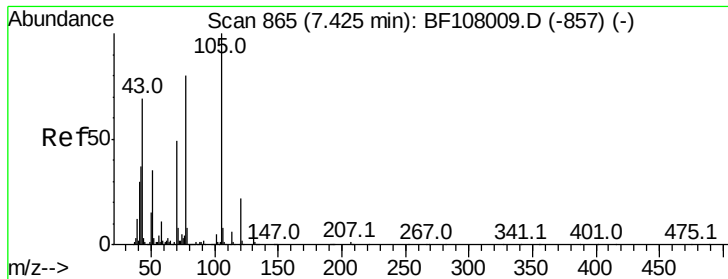
Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.4	75.8	113.8	
201	108.1	75.7	113.5	





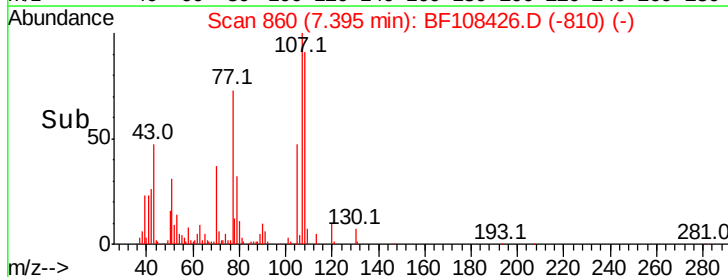
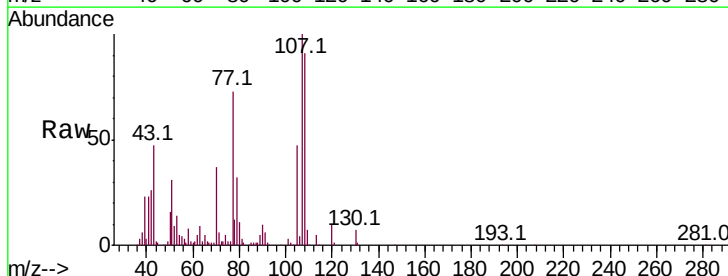
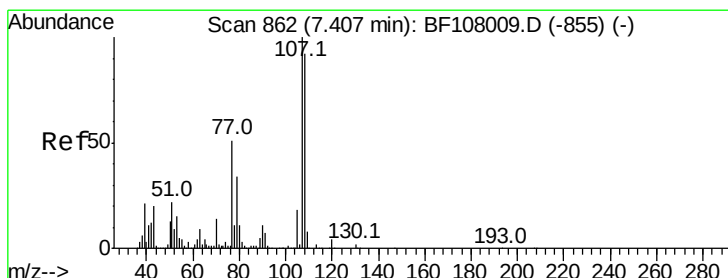
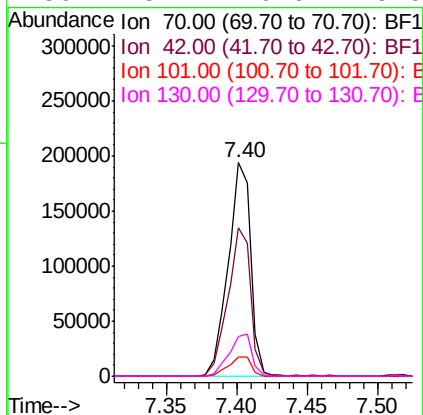
#19
n-Nitroso-di-n-propylamine
Concen: 30.549 ng
RT: 7.40 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

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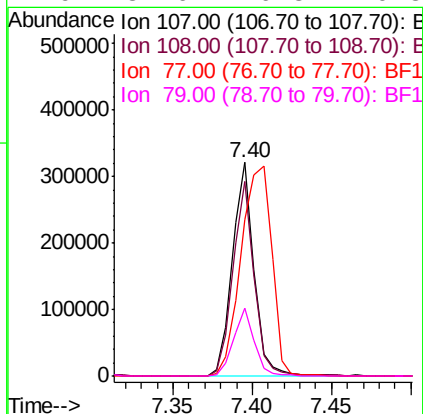
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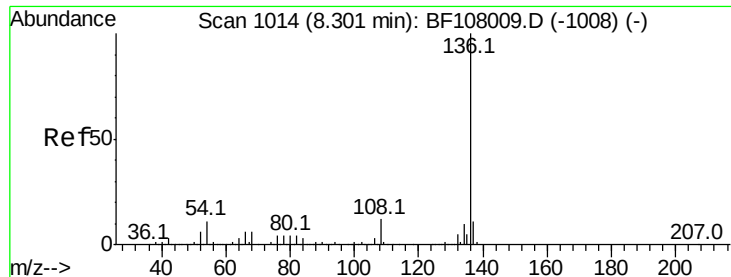
Tot Ion	Ratio	Lower	Upper
70	100		
42	69.8	47.5	71.3
101	9.1	7.4	11.2
130	18.7	16.6	25.0



#20
3+4-Methylphenols
Concen: 31.158 ng
RT: 7.40 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.3	68.2	108.2
77	72.9	26.7	66.7#
79	31.6	6.3	46.3





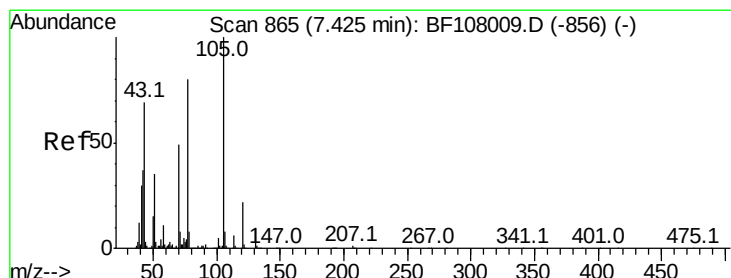
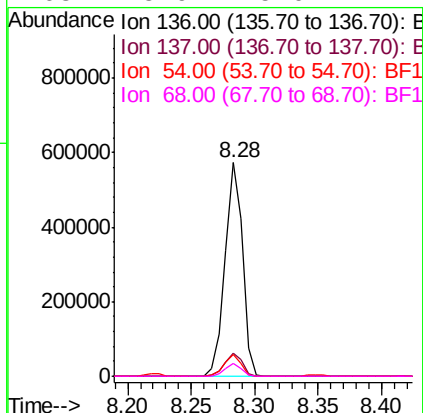
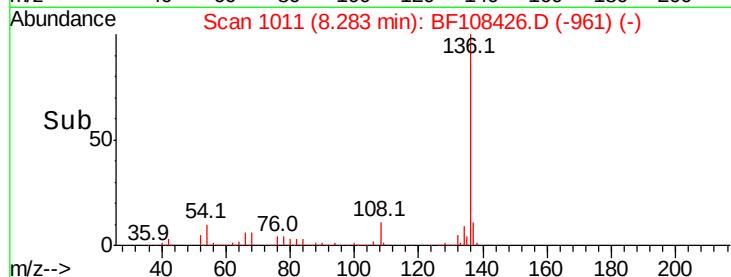
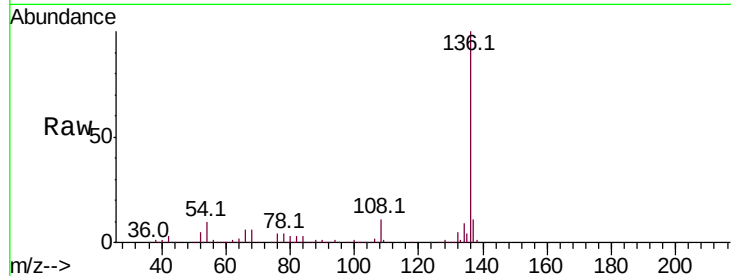
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	10.2	6.6	9.8	
68	5.9	5.0	7.4	

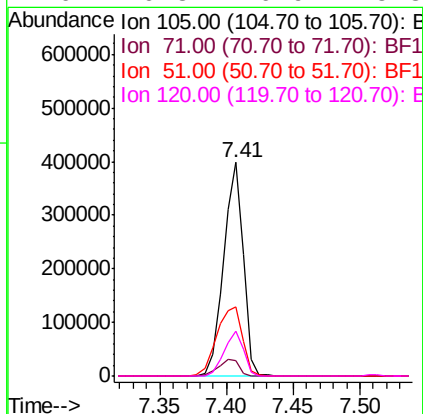
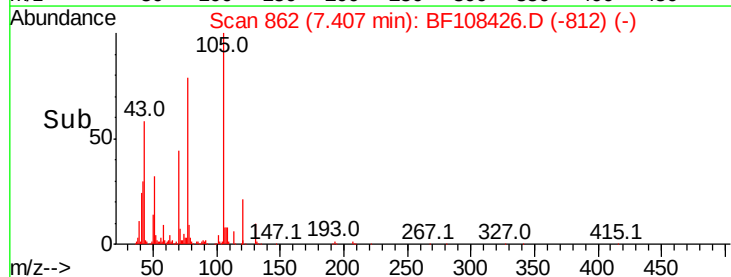
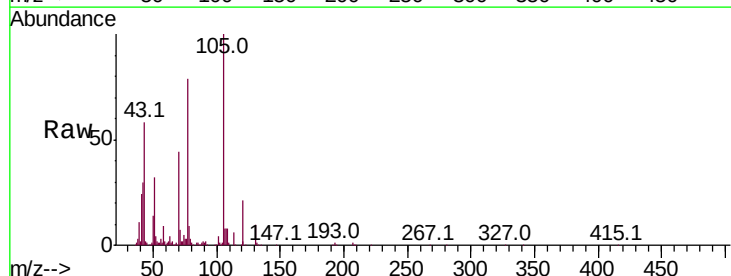
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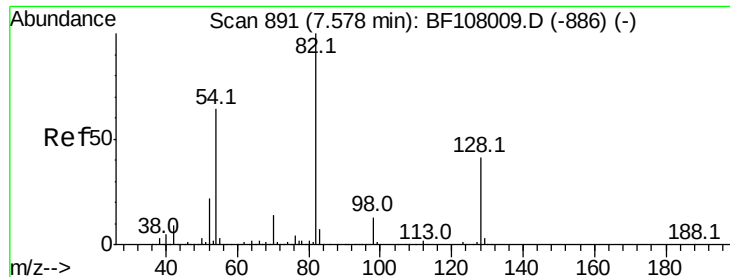
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#22
Acetophenone
Concen: 32.326 ng
RT: 7.41 min Scan# 862
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	7.2	4.4	6.6	
51	32.4	22.3	33.5	
120	20.8	16.9	25.3	





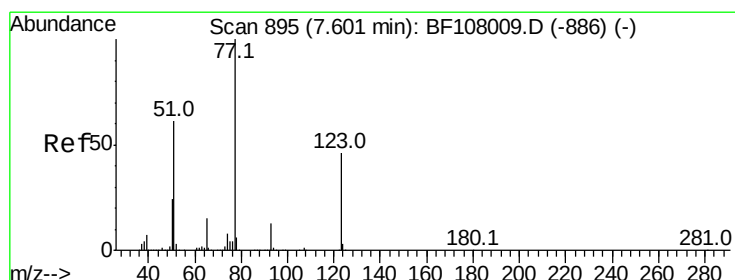
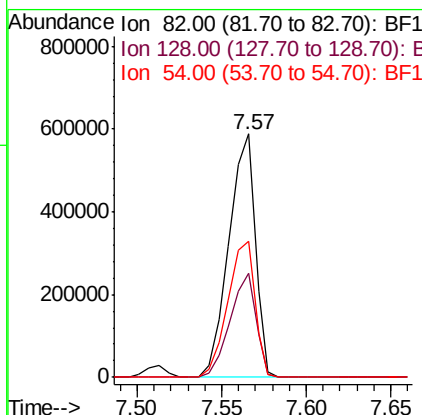
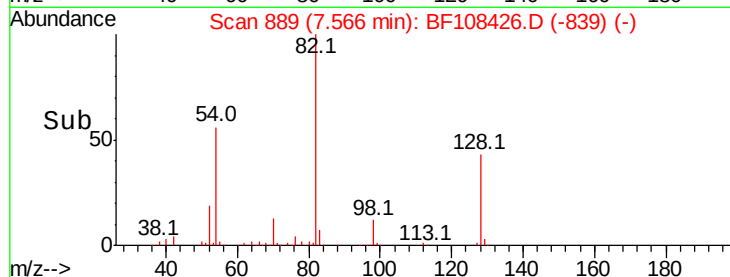
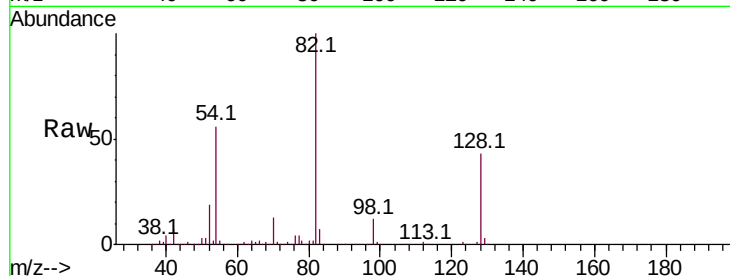
#23
 Nitrobenzene-d5
 Concen: 65.398 ng
 RT: 7.57 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.9	36.1	54.1
54	56.0	41.4	62.2

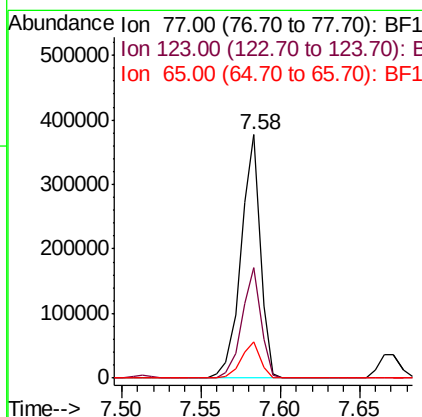
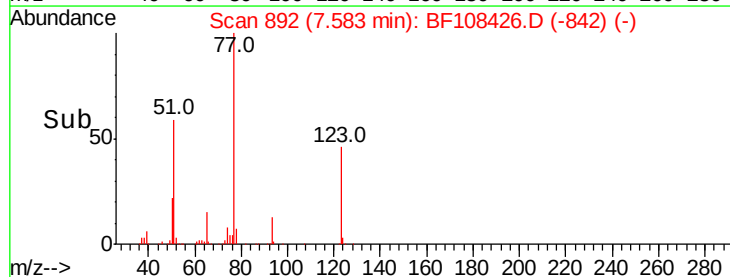
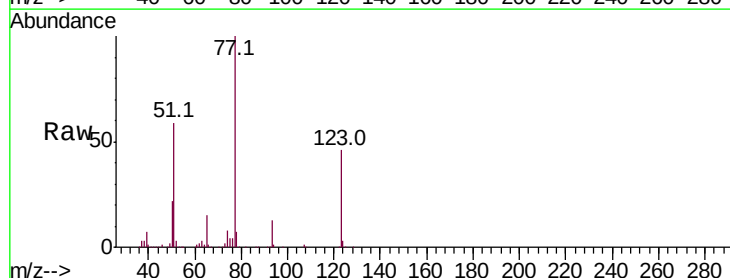
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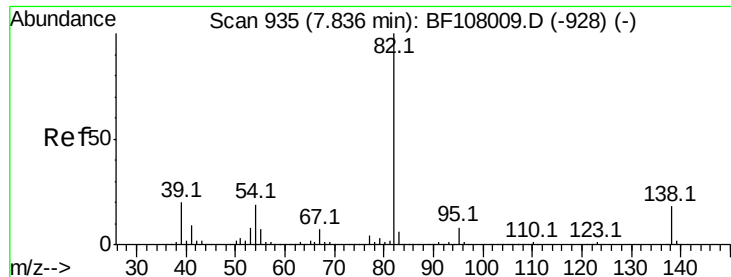
Sohil
 8/24/2018 12:14:02 PM



#24
 Nitrobenzene
 Concen: 32.007 ng
 RT: 7.58 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.9	56.9
65	14.8	11.0	16.4





#25

Isophorone

Concen: 31.308 ng

RT: 7.82 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA_F

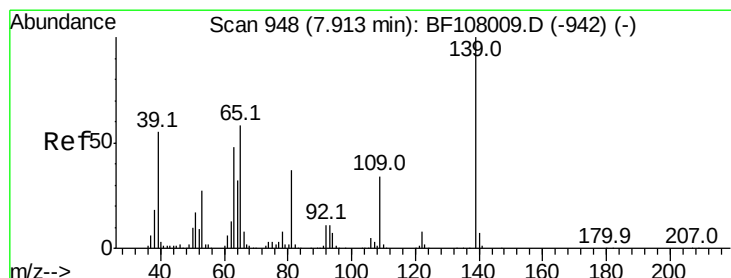
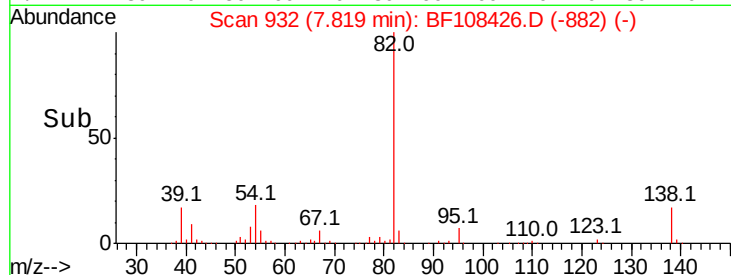
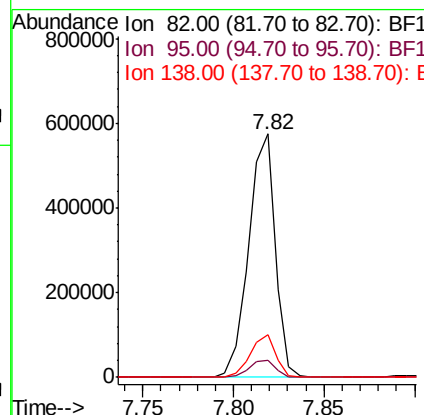
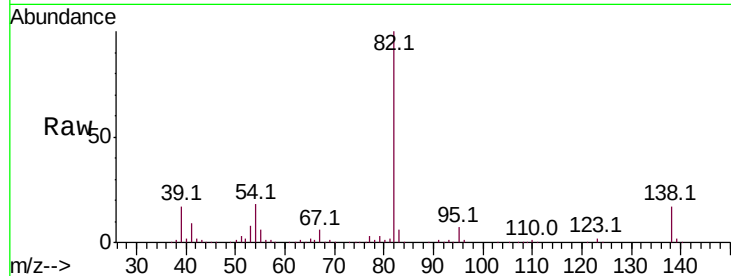
ClientSampleId :

RA-081618-FL-036MSD

Tot Ion	82	Resp	585539
Ion Ratio	Lower	Upper	
82	100		
95	7.3	5.2	7.8
138	17.4	14.9	22.3

Manual Integrations
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#26

2-Nitrophenol

Concen: 38.419 ng

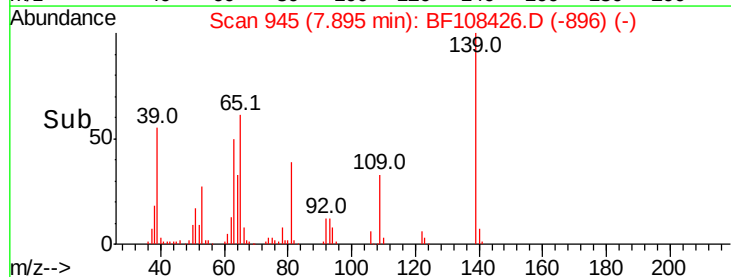
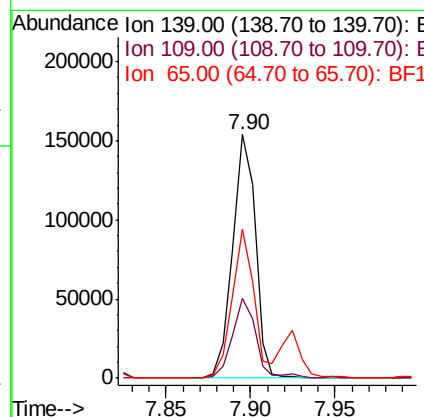
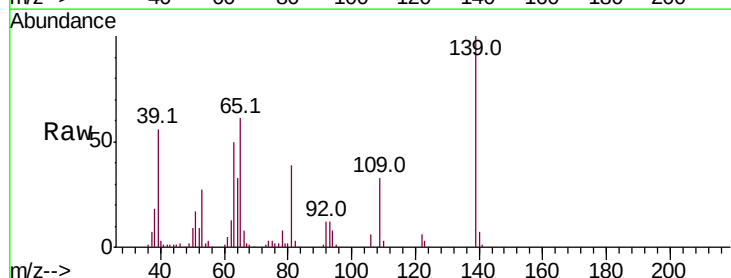
RT: 7.90 min Scan# 945

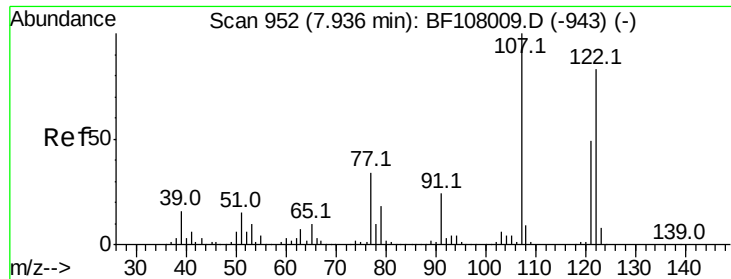
Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Tgt Ion	139	Resp	143959
Ion Ratio	Lower	Upper	
139	100		
109	32.7	22.7	34.1
65	61.0	40.5	60.7#





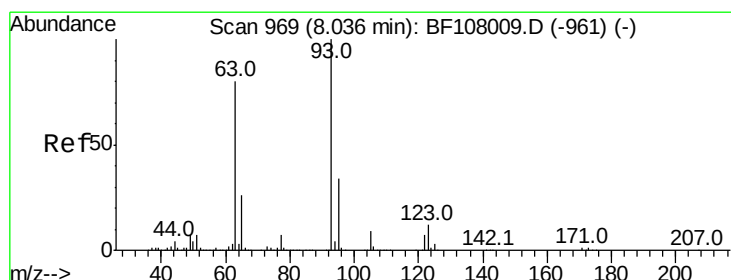
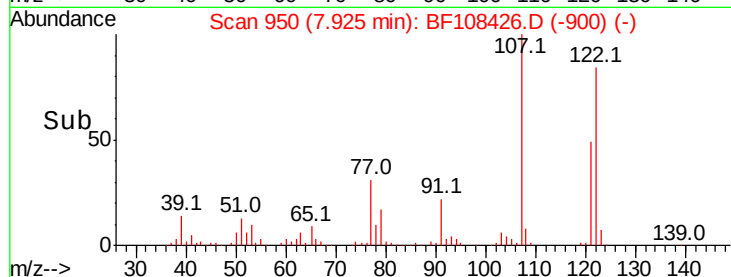
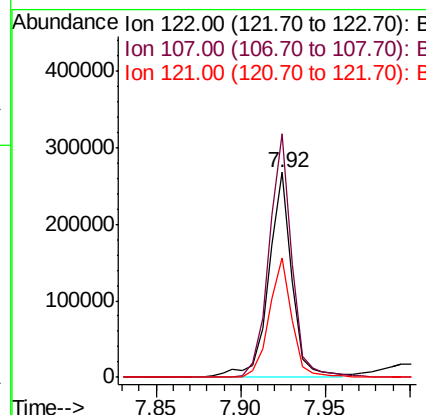
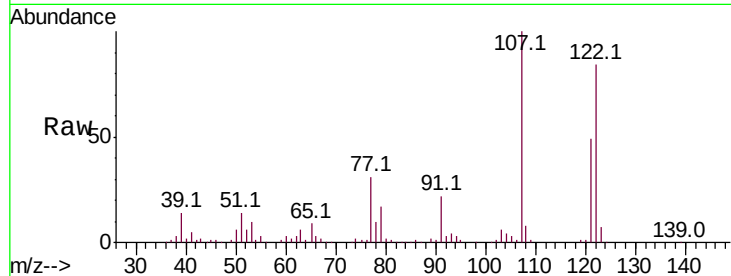
#27
 2,4-Dimethylphenol
 Concen: 30.656 ng
 RT: 7.92 min Scan# 950
 Delta R.T. -0.01 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	118.7	91.2	136.8
121	57.9	47.2	70.8

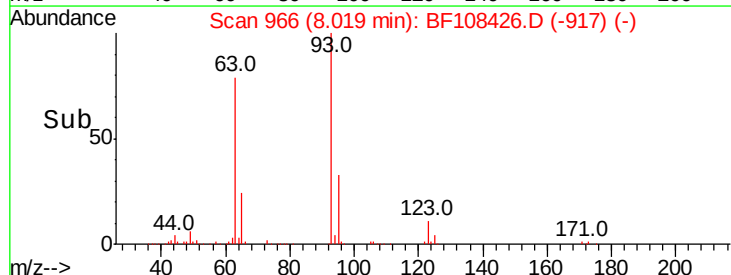
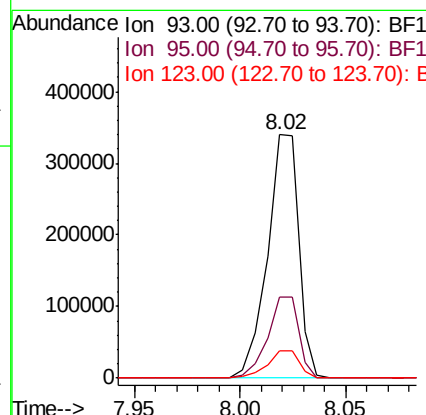
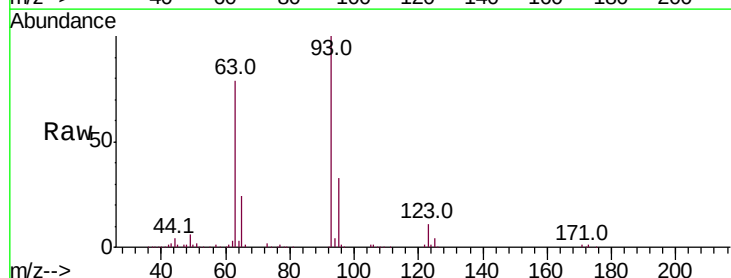
Manual Integrations
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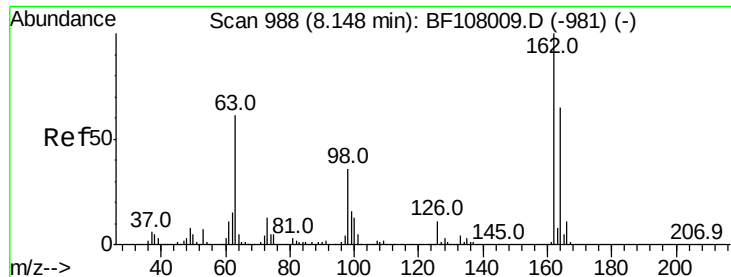
Sohil
 8/24/2018 12:14:02 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 32.120 ng
 RT: 8.02 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.5	26.3	39.5
123	11.0	9.8	14.6





#29

2,4-Dichlorophenol

Concen: 33.445 ng

RT: 8.14 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA_F

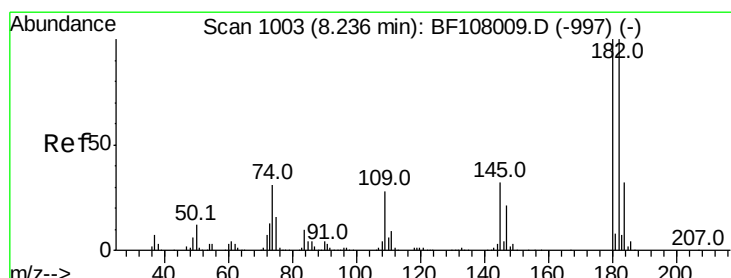
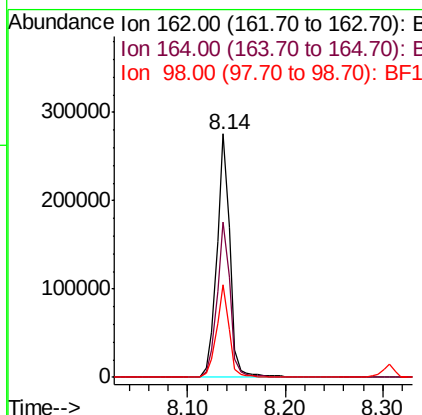
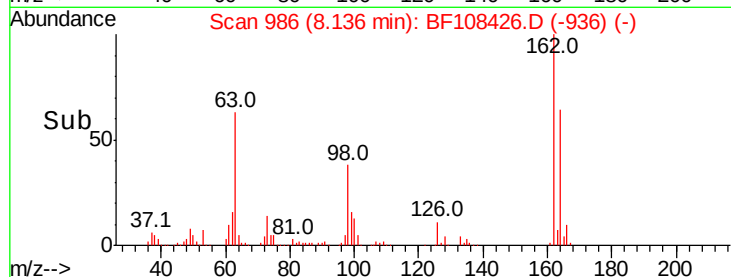
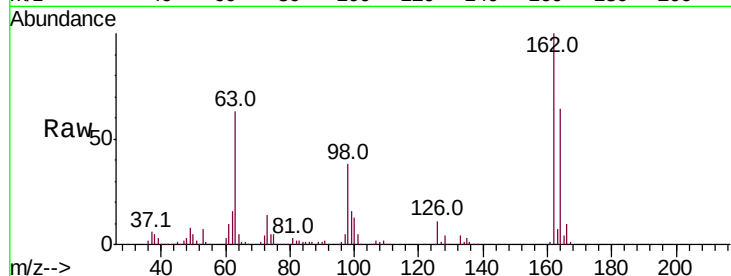
ClientSampleId :

RA-081618-FL-036MSD

Tot Ion:	162	Resp:	255485
Ion Ratio	Lower	Upper	
162	100		
164	63.7	42.7	82.7
98	37.8	18.1	58.1

Manual Integrations
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#30

1,2,4-Trichlorobenzene

Concen: 32.027 ng

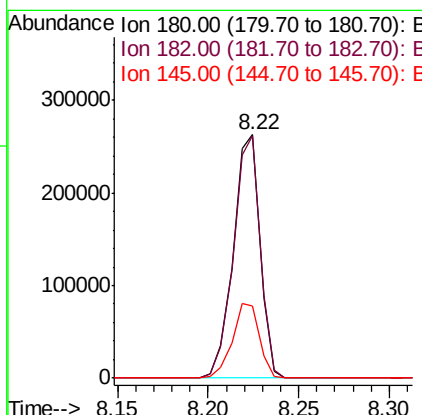
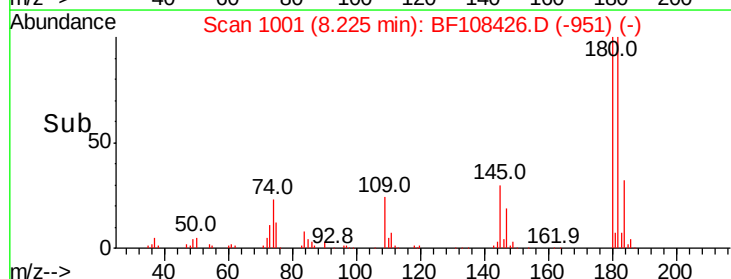
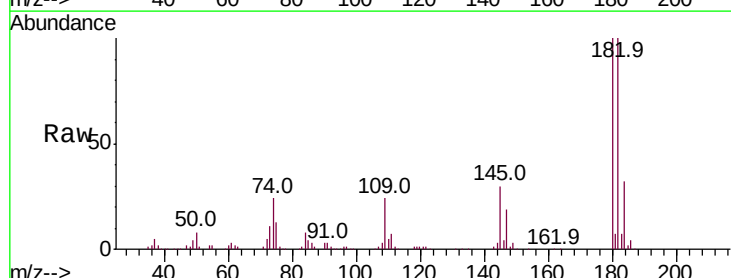
RT: 8.22 min Scan# 1001

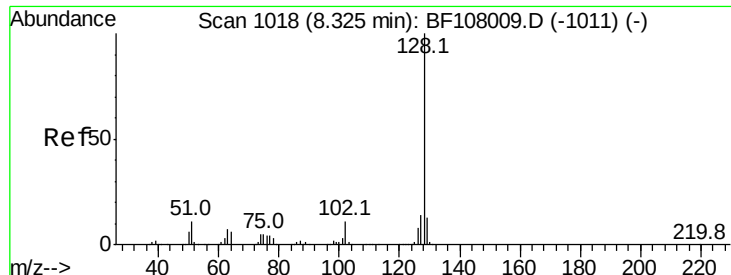
Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Tgt Ion:	180	Resp:	269737
Ion Ratio	Lower	Upper	
180	100		
182	99.7	76.8	115.2
145	29.9	26.5	39.7





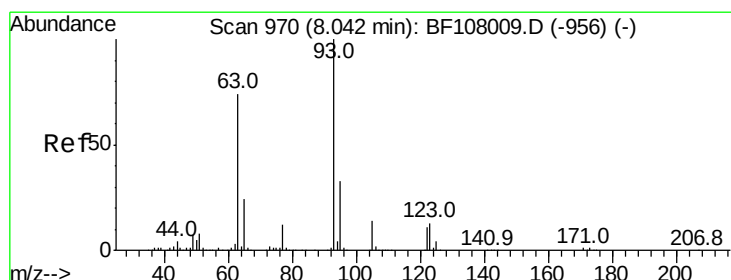
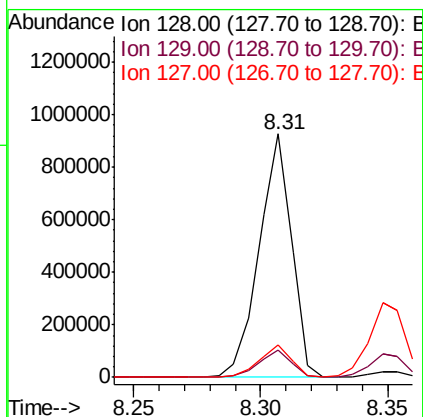
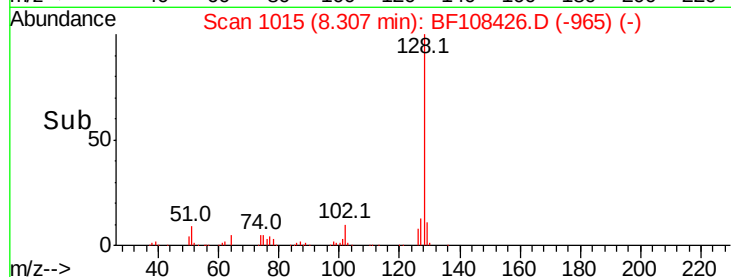
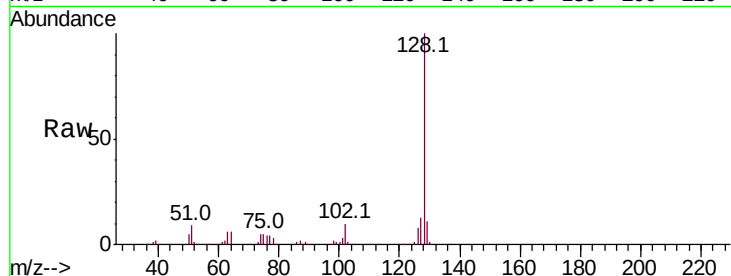
#31
Naphthalene
Concen: 33.424 ng
RT: 8.31 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	832285		
129	11.2		8.8	13.2
127	13.2		10.9	16.3

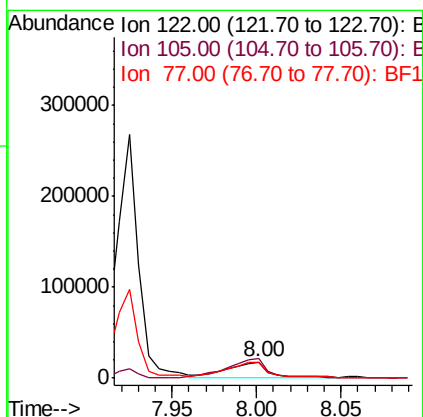
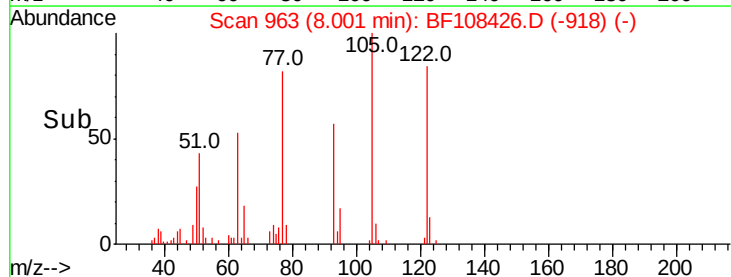
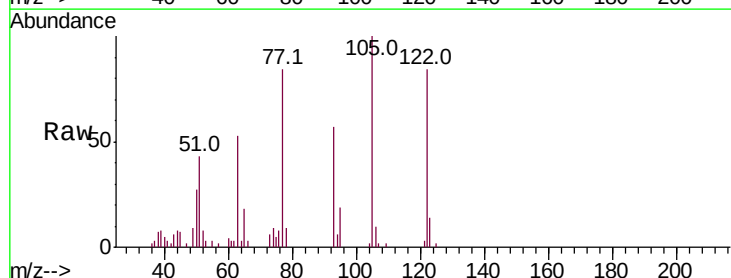
Manual Integrations
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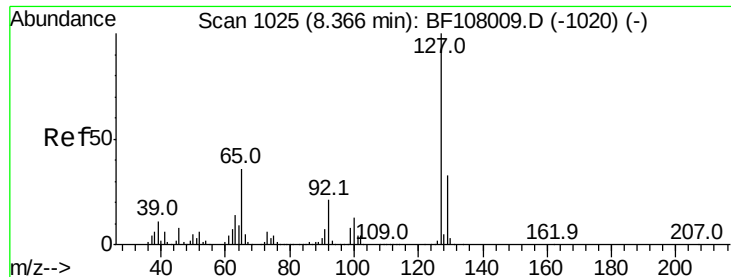
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#32
Benzoic acid
Concen: 11.137 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.04 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	28402		
105	119.3		101.1	141.1
77	99.9		70.7	110.7





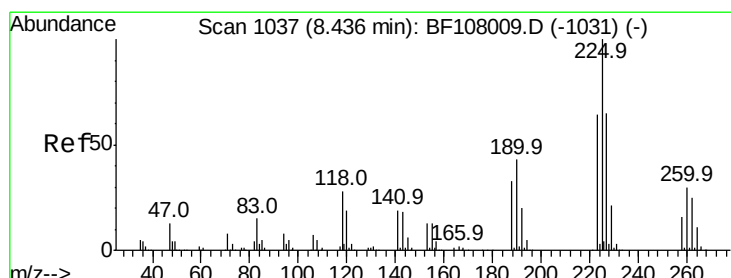
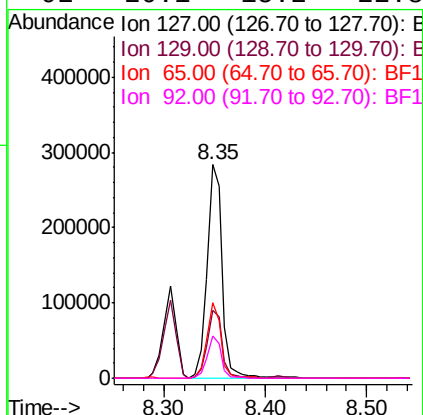
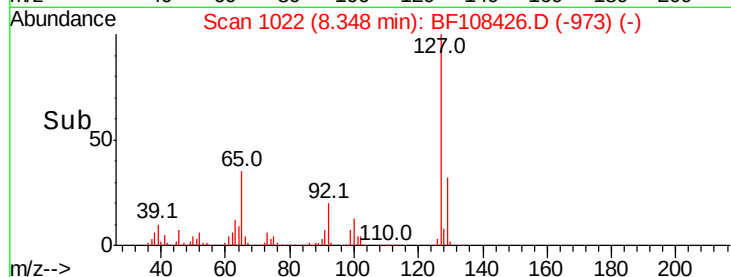
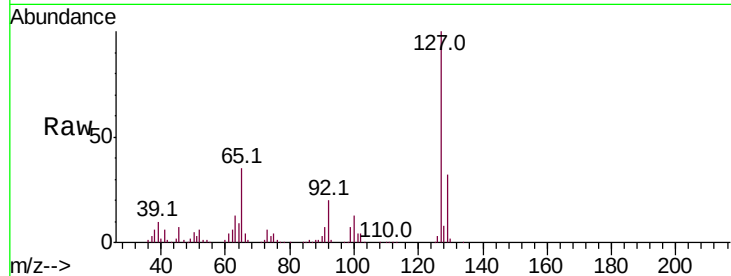
#33
4-Chloroaniline
Concen: 26.947 ng
RT: 8.35 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.6	25.9	38.9		
65	35.2	25.0	37.4		
92	20.1	15.2	22.8		

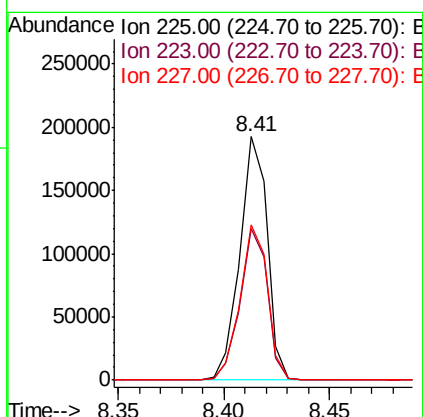
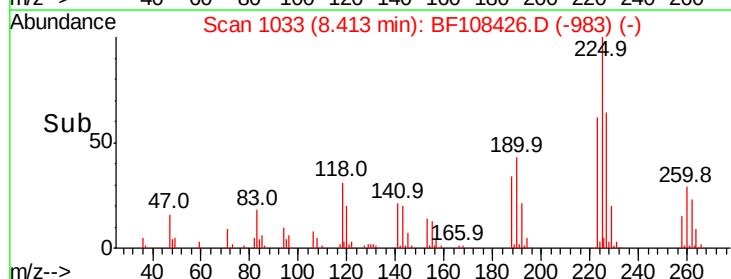
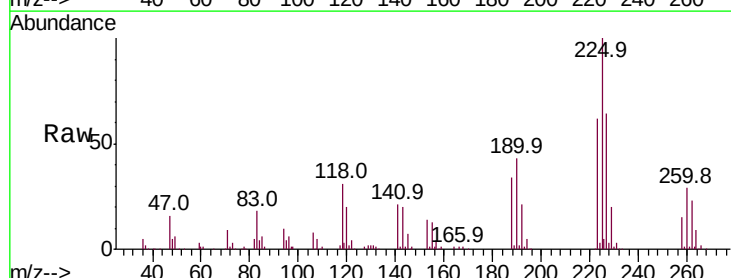
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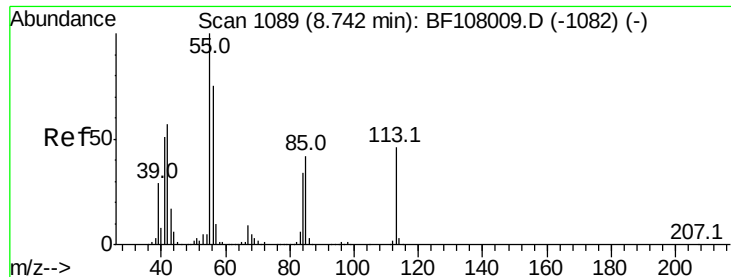
Sohil
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#34
Hexachlorobutadiene
Concen: 32.455 ng
RT: 8.41 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.5	50.6	76.0		
227	63.8	51.9	77.9		





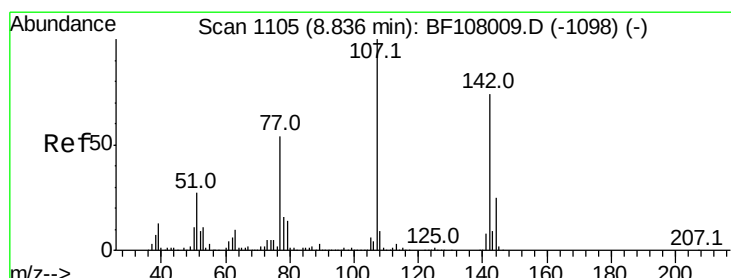
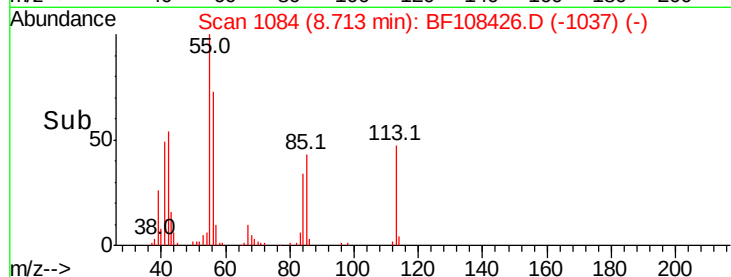
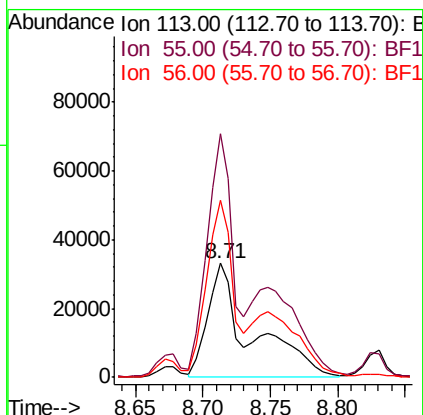
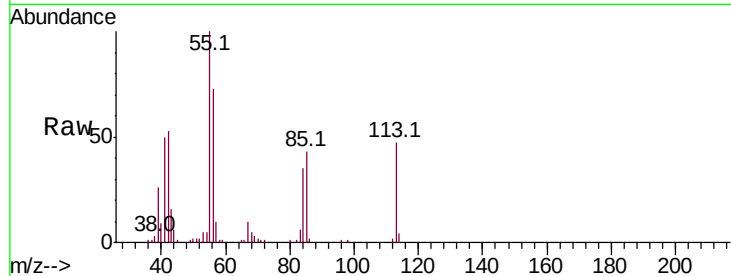
#35
 Caprolactam
 Concen: 31.106 ng/ml
 RT: 8.71 min Scan# 1084
 Delta R.T. -0.02 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion: 113 Resp: 74463
 Ion Ratio Lower Upper
 113 100
 55 213.8 163.3 203.3#
 56 155.1 115.7 155.7

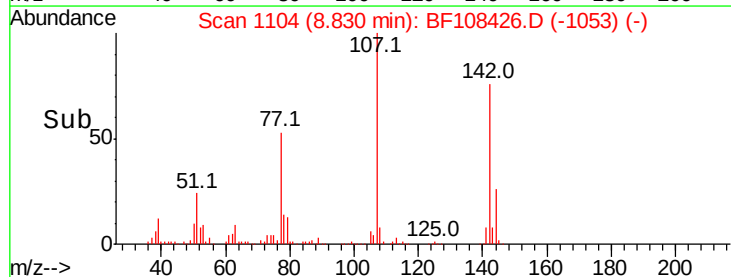
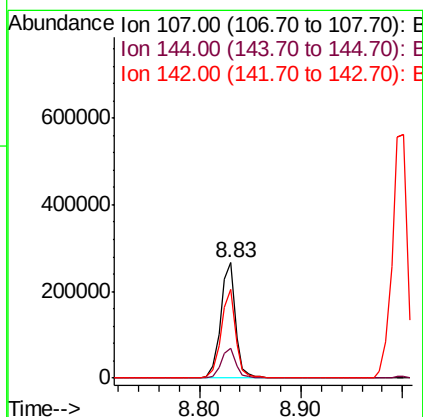
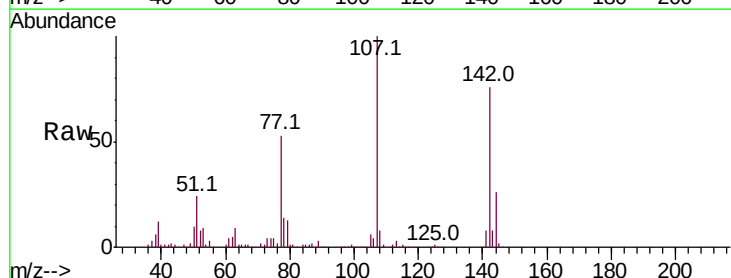
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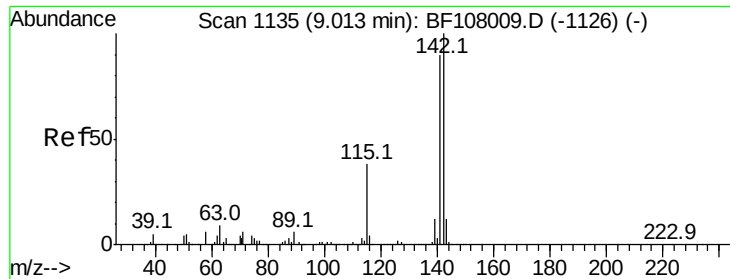
Sohil
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#36
 4-Chloro-3-methylphenol
 Concen: 33.013 ng/ml
 RT: 8.83 min Scan# 1104
 Delta R.T. -0.00 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Tgt Ion: 107 Resp: 272046
 Ion Ratio Lower Upper
 107 100
 144 25.7 20.5 30.7
 142 76.5 62.0 93.0





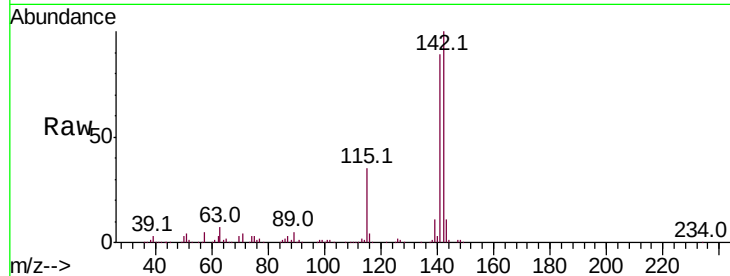
#37
2-Methylnaphthalene
Concen: 32.517 ng
RT: 9.00 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.8	106.2
115	35.4	26.1	39.1

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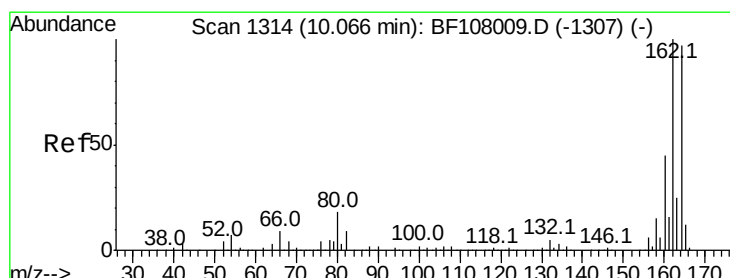
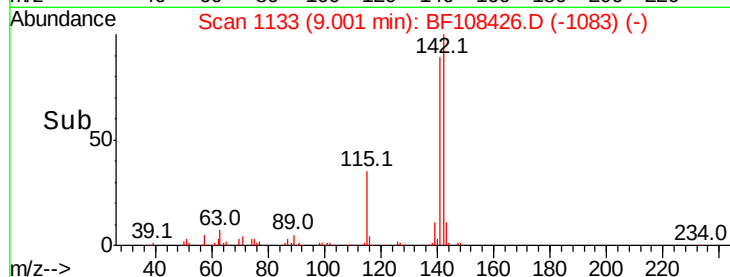
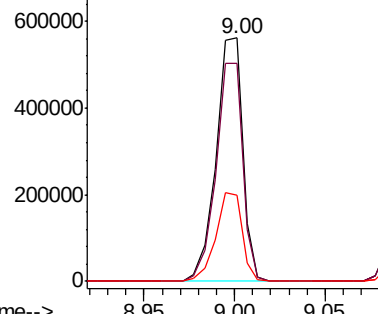


Abundance

Ion 142.00 (141.70 to 142.70): E

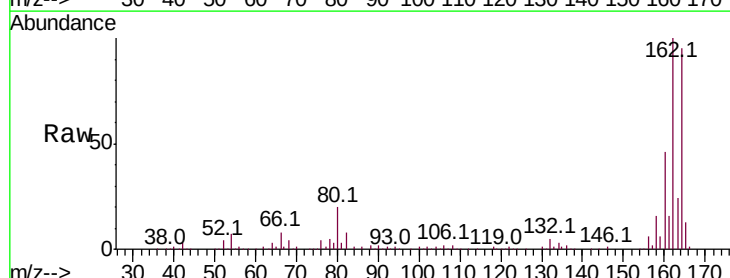
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	86.1	129.1
160	47.8	38.3	57.5

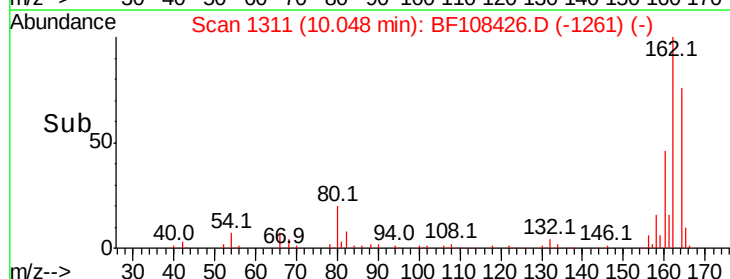
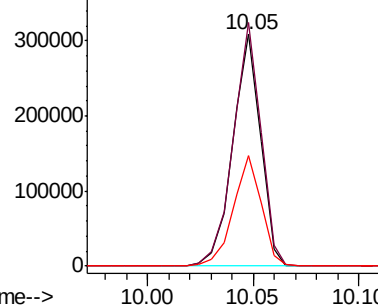


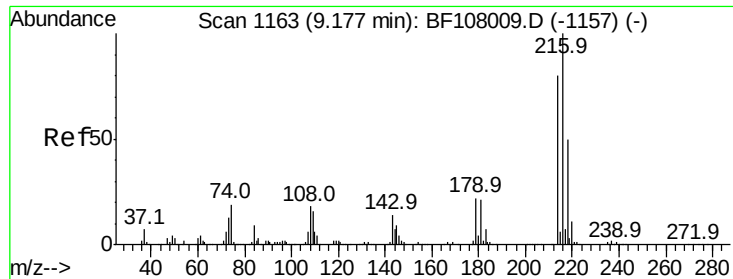
Abundance

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





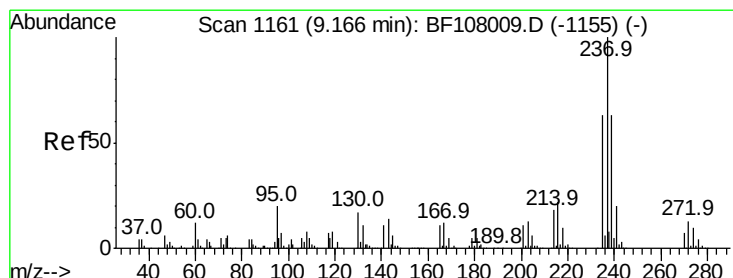
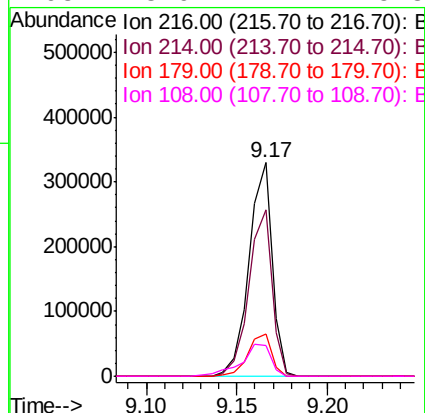
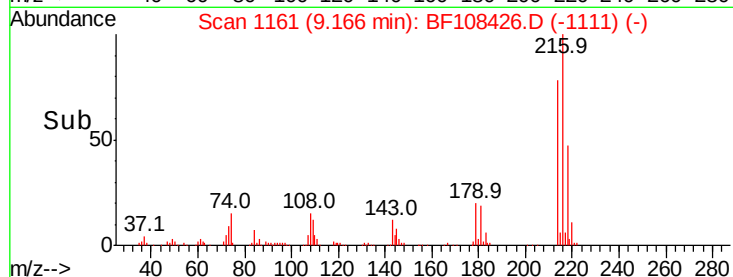
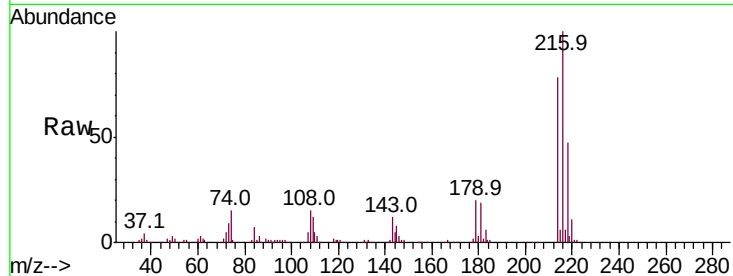
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 33.644 ng
 RT: 9.17 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	78.5	63.0	94.4
179	20.2	18.1	27.1
108	18.9	17.2	25.8

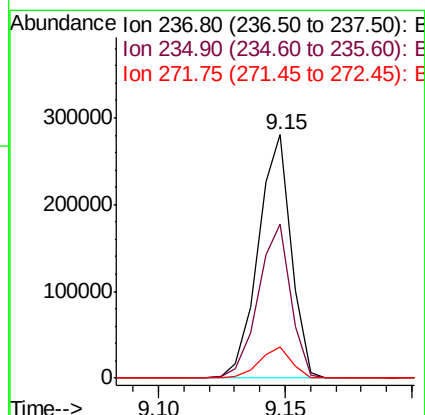
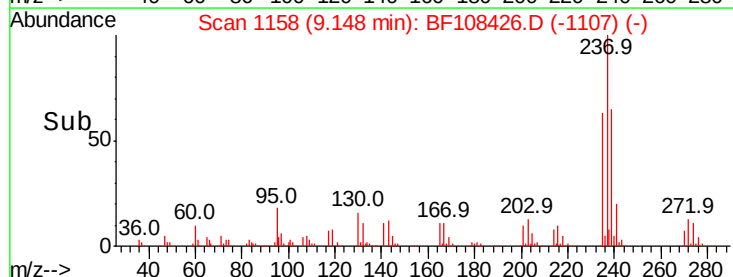
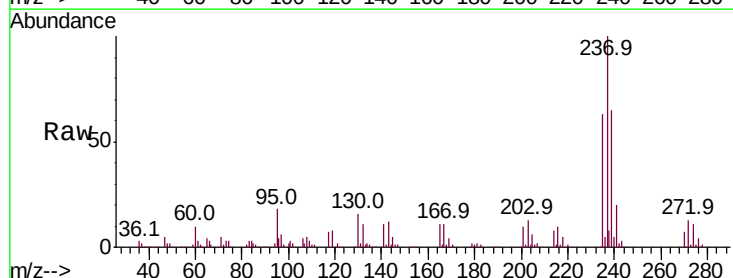
Manual Integrations
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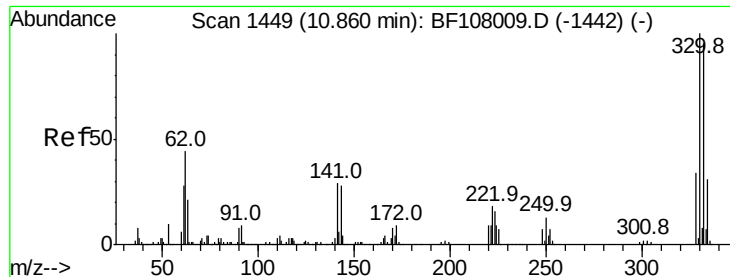
Sohil
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#40
 Hexachlorocyclopentadiene
 Concen: 44.946 ng
 RT: 9.15 min Scan# 1158
 Delta R.T. -0.00 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	63.2	44.8	84.8
272	12.8	0.0	33.3





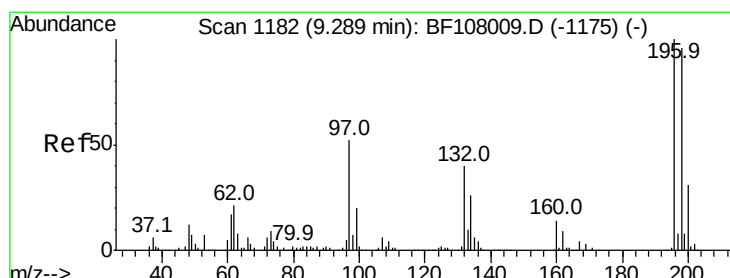
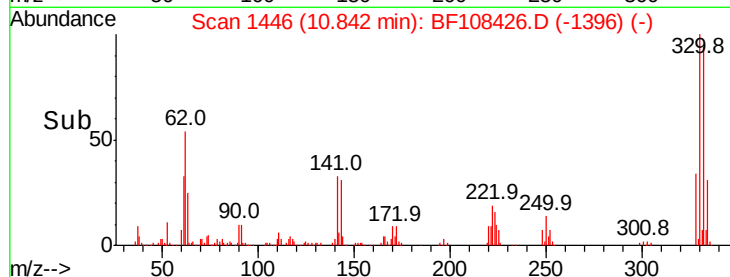
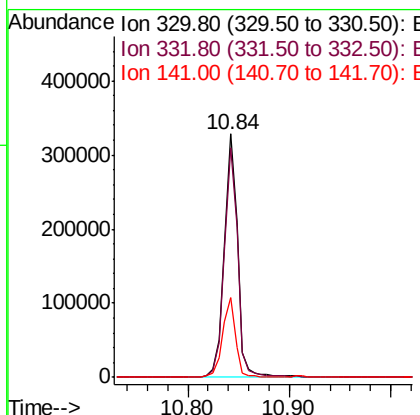
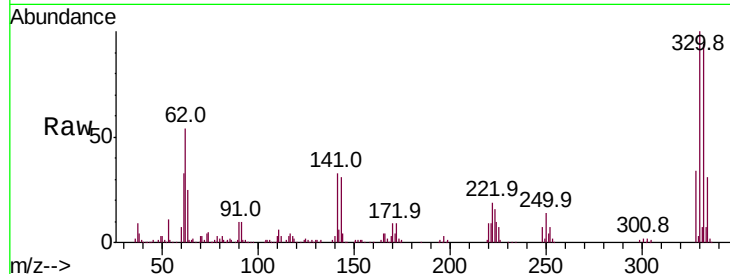
#41
 2,4,6-Tribromophenol
 Concen: 106.568 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.5	77.0	115.6	
141	32.0	29.9	44.9	

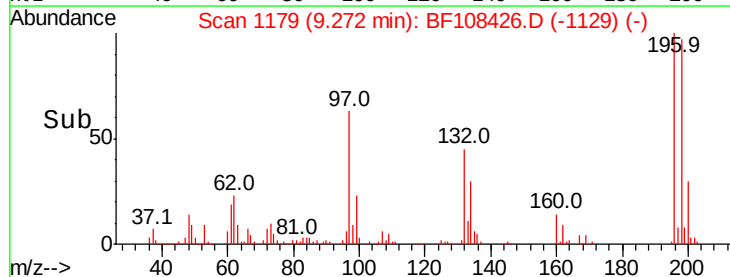
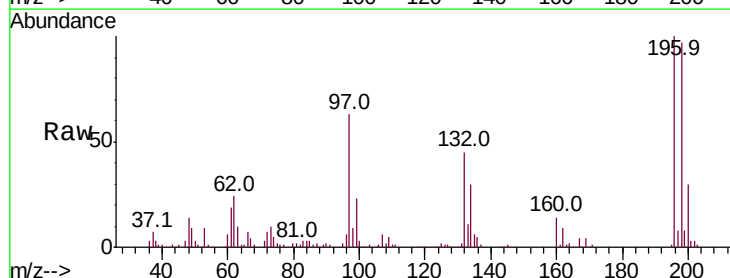
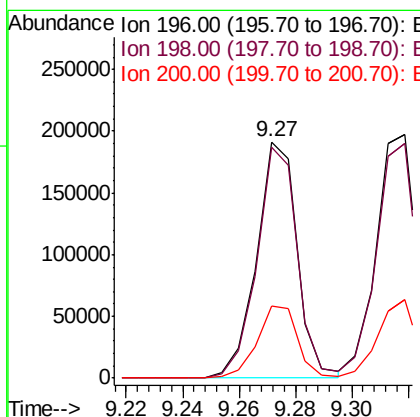
Manual Integrations
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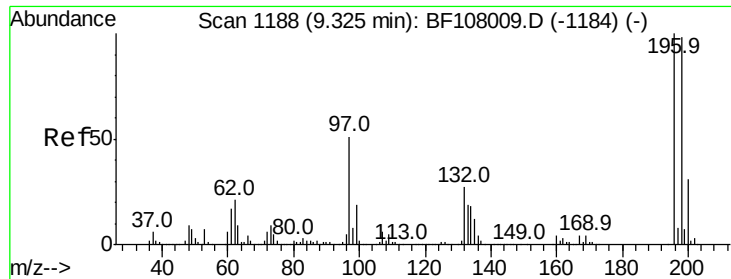
Sohil
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#42
 2,4,6-Trichlorophenol
 Concen: 35.413 ng
 RT: 9.27 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	97.5	75.7	113.5	
200	30.5	24.5	36.7	





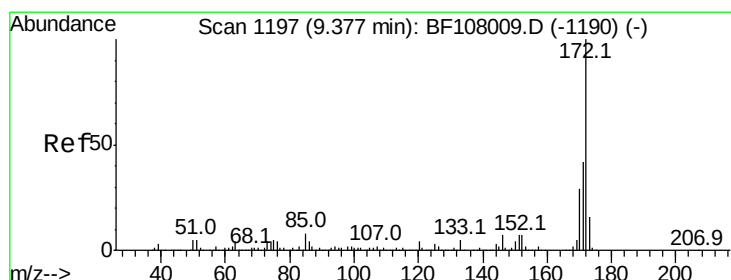
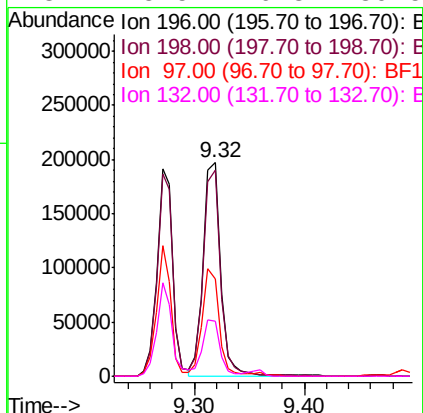
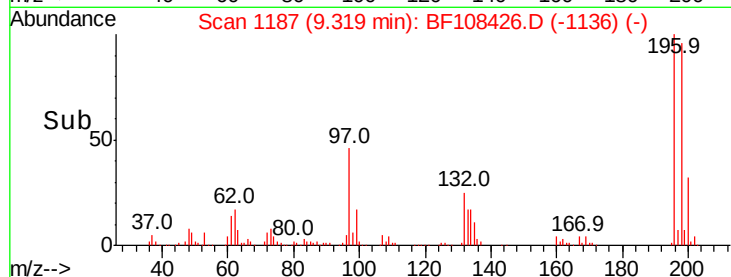
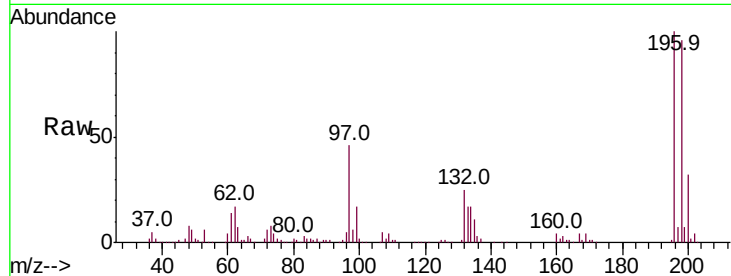
#43
 2,4,5-Trichlorophenol
 Concen: 35.322 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	209843		
198	96.3	74.6	112.0	
97	45.6	42.9	64.3	
132	25.5	26.3	39.5	

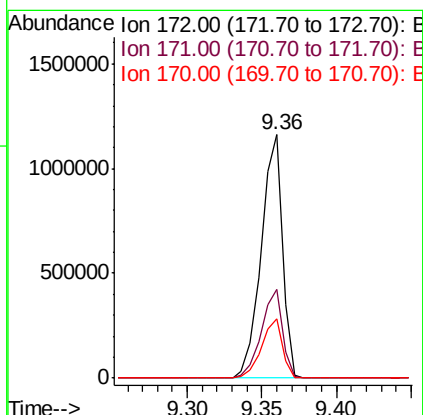
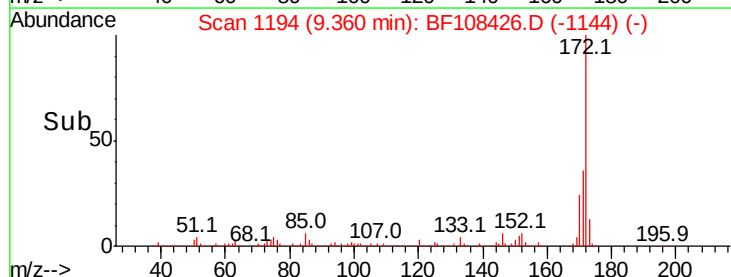
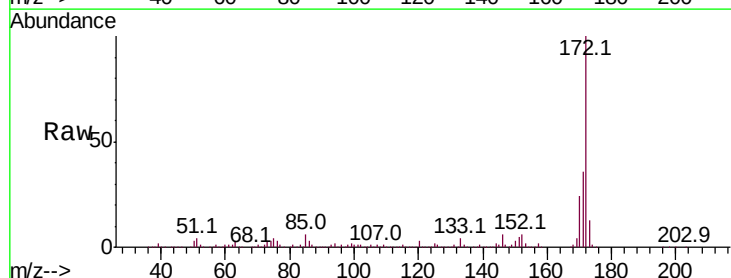
Manual Integrations
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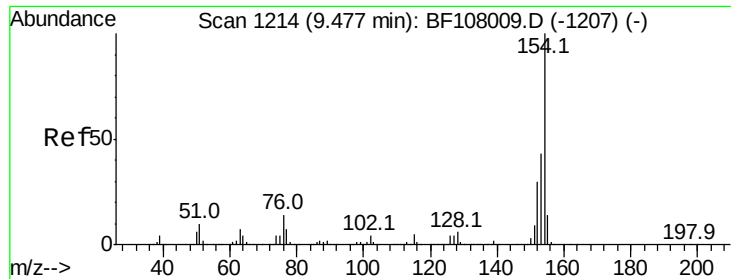
Sohil
 8/24/2018 12:14:02 PM



#44
 2-Fluorobiphenyl
 Concen: 64.033 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1129502		
171	36.4	29.7	44.5	
170	24.3	19.6	29.4	





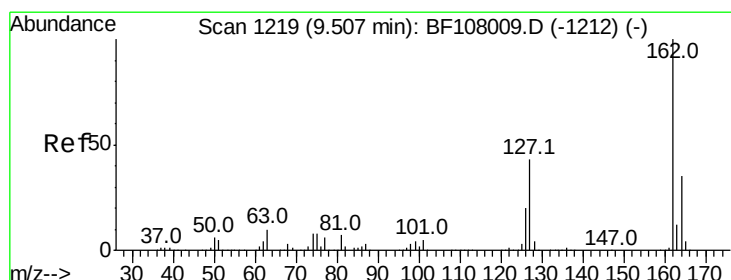
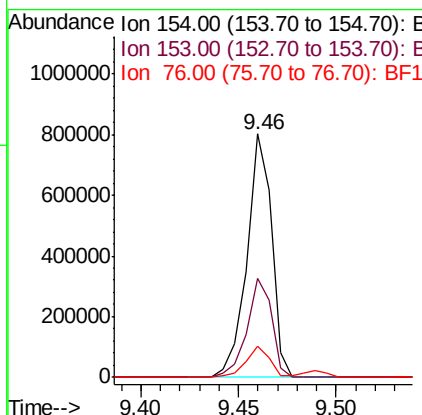
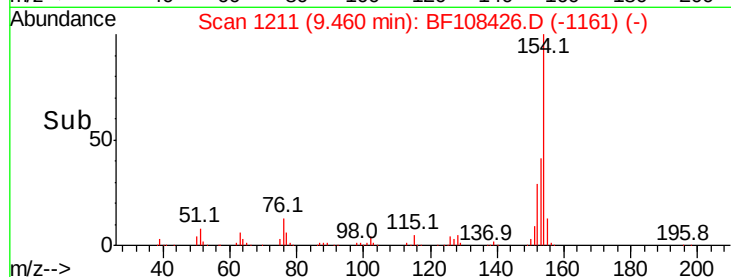
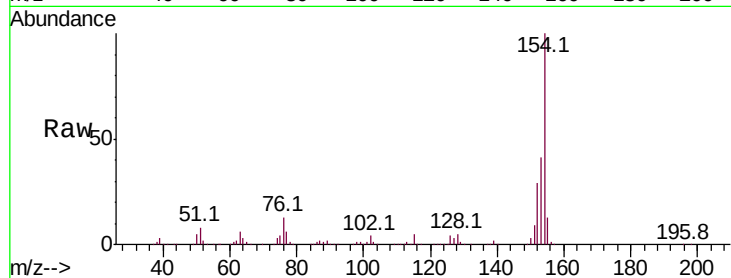
#45
 1,1'-Biphenyl
 Concen: 33.625 ng
 RT: 9.46 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.9	21.3	61.3	
76	12.9	0.0	34.0	

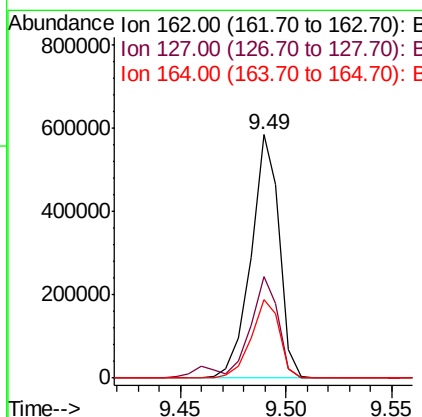
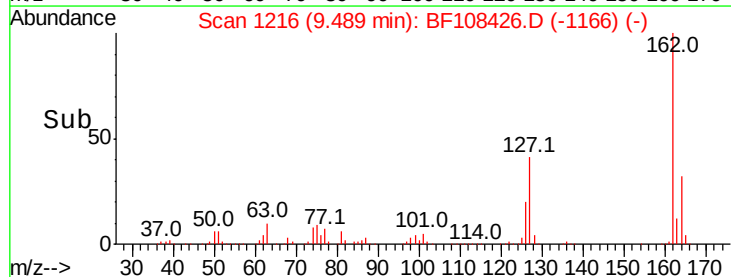
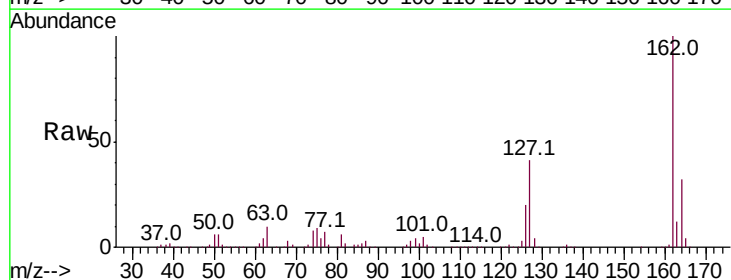
Manual Integrations
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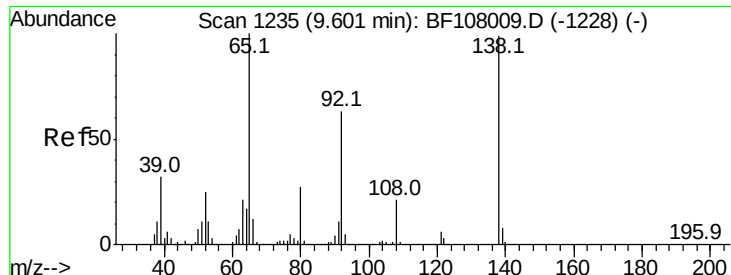
Sohil
 8/24/2018 12:14:02 PM



#46
 2-Chloronaphthalene
 Concen: 32.841 ng
 RT: 9.49 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	41.5	33.9	50.9	
164	32.5	26.5	39.7	





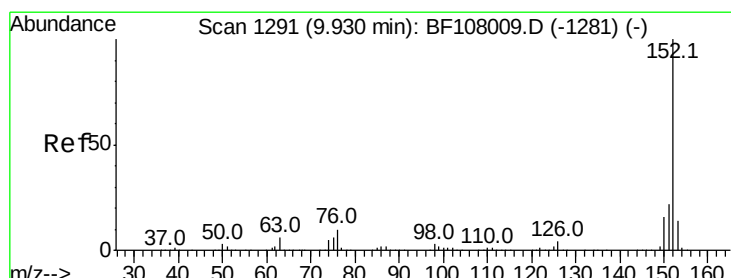
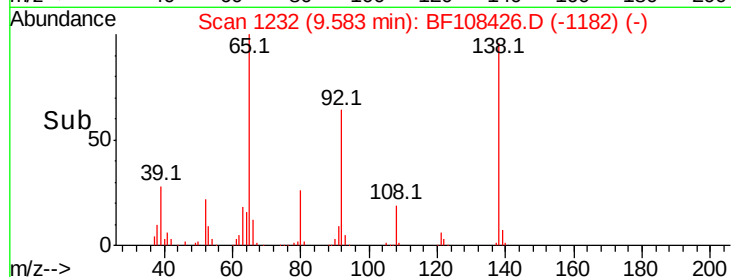
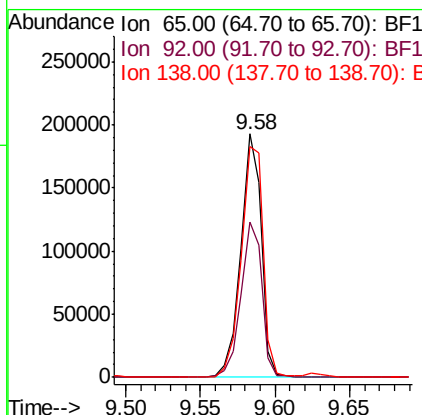
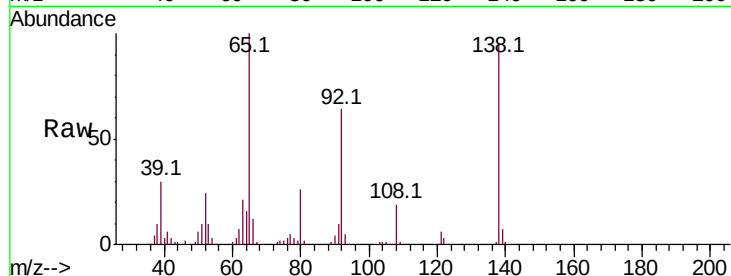
#47
2-Nitroaniline
Concen: 34.520 ng
RT: 9.58 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	63.7	55.8	83.6
138	94.8	91.2	136.8

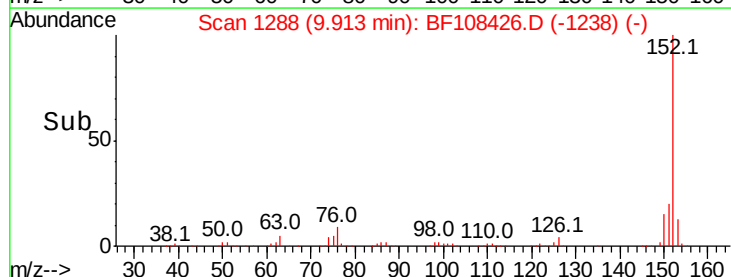
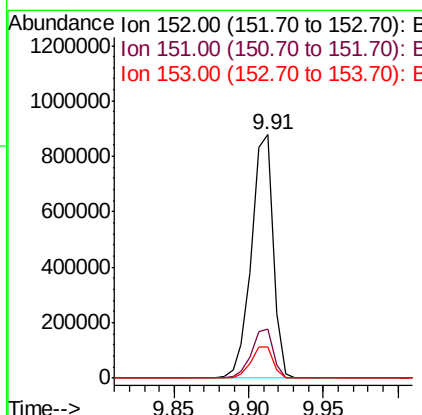
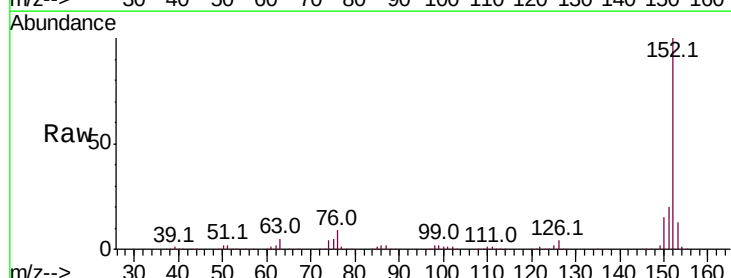
Manual Integrations
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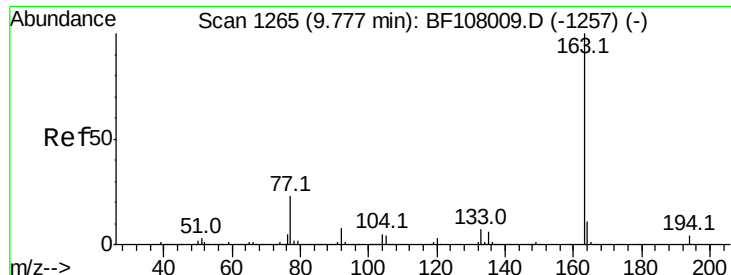
Sohil
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#48
Acenaphthylene
Concen: 33.817 ng
RT: 9.91 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	13.0	10.7	16.1





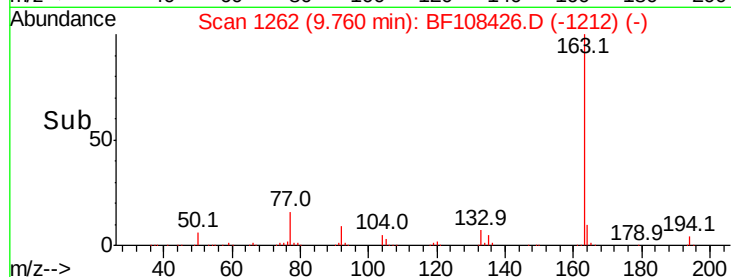
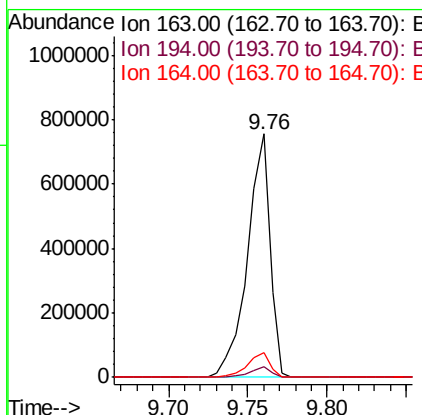
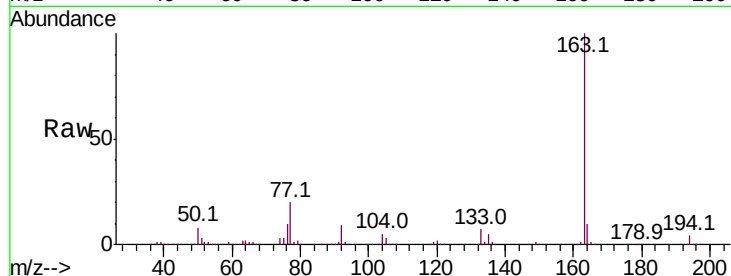
#49
Dimethylphthalate
Concen: 37.739 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.2	2.7	4.1#	
164	10.1	8.2	12.2	

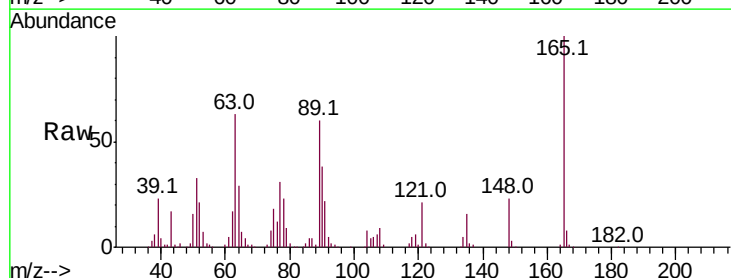
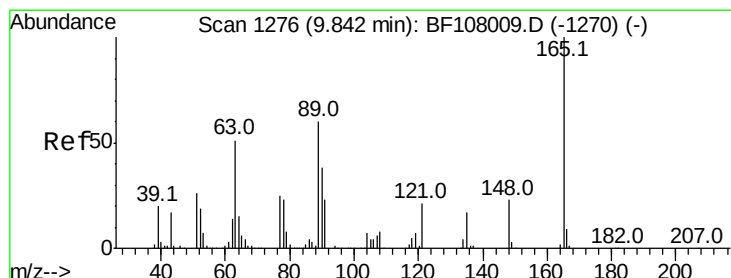
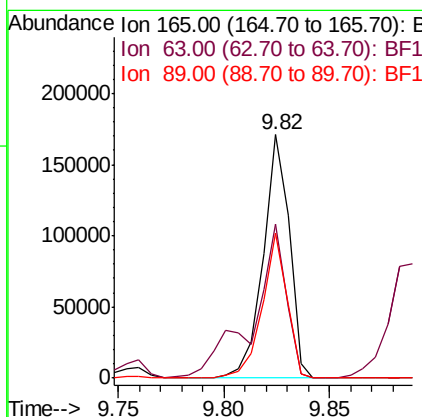
Manual Integrations
APPROVED

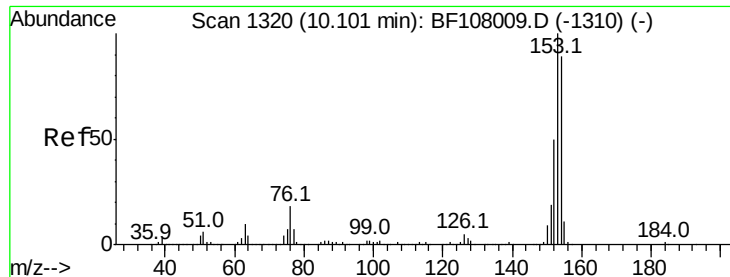
Sohil
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#50
2,6-Dinitrotoluene
Concen: 35.792 ng
RT: 9.82 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	63.2	44.7	67.1	
89	59.8	44.0	66.0	





#51

Acenaphthene

Concen: 32.642 ng

RT: 10.08 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA_F

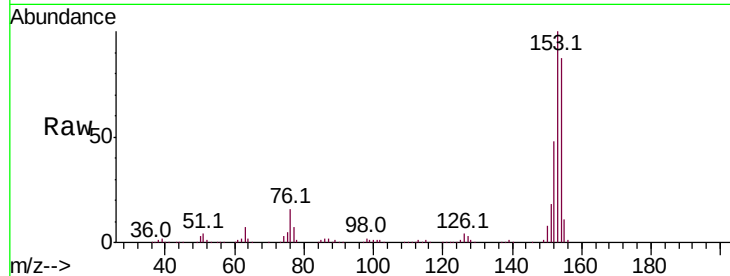
ClientSampleId :

RA-081618-FL-036MSD

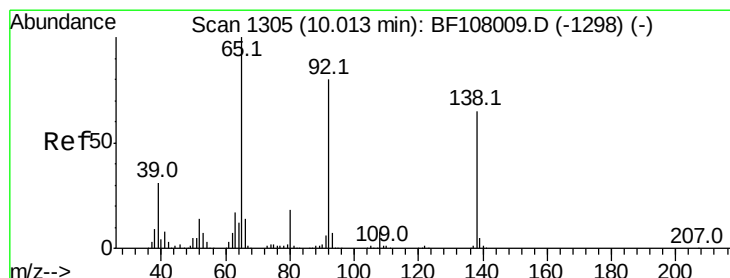
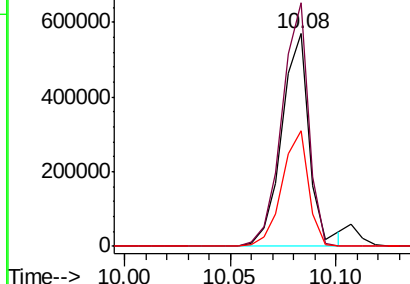
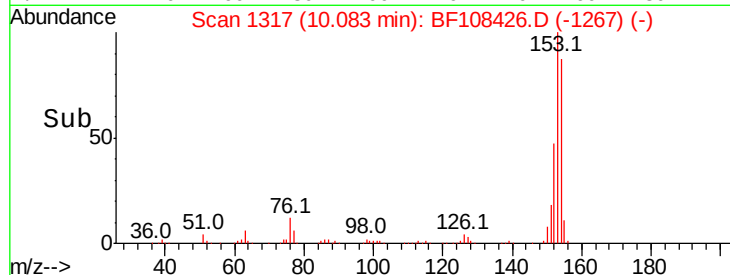
Tot Ion:	154	Resp:	521616
Ion Ratio	Lower	Upper	
154	100		
153	114.7	91.2	136.8
152	54.5	43.8	65.8

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



#52

3-Nitroaniline

Concen: 29.663 ng

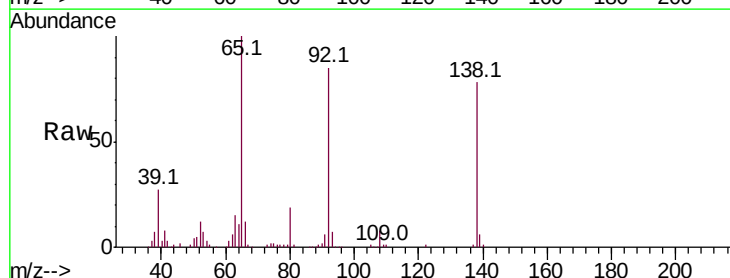
RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

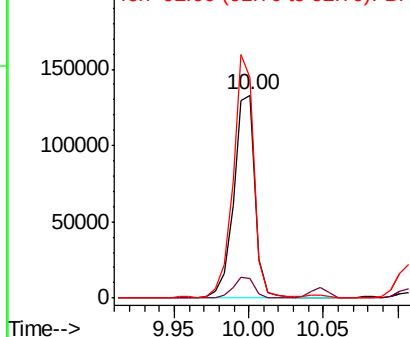
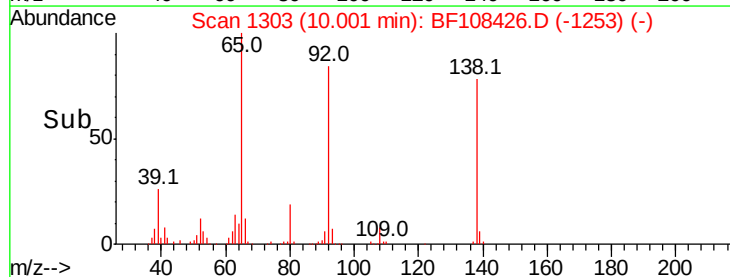
Lab File: BF108426.D

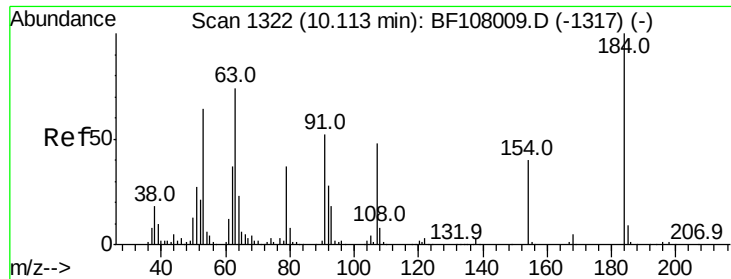
Acq: 23 Aug 2018 17:49

Tgt Ion:	138	Resp:	133950
Ion Ratio	Lower	Upper	
138	100		
108	9.9	9.4	14.0
92	108.4	89.4	134.2



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





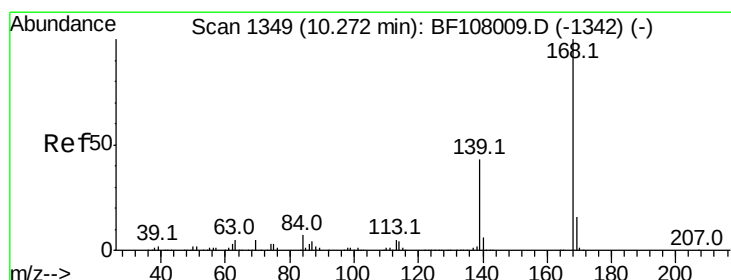
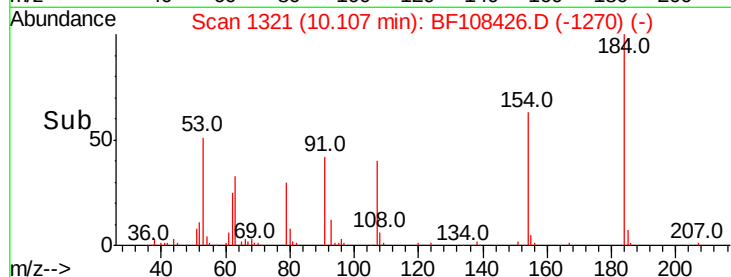
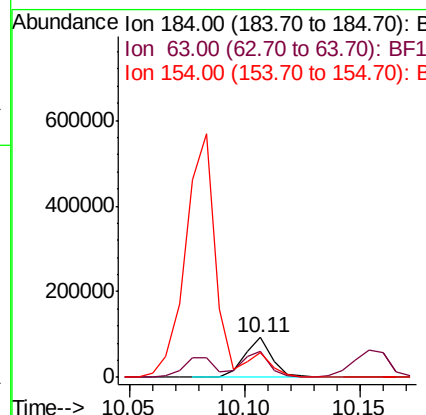
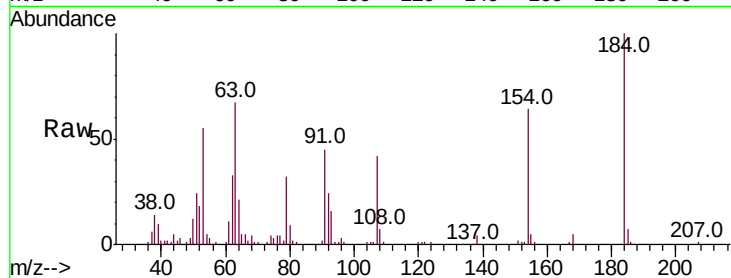
#53
2,4-Dinitrophenol
Concen: 52.852 ng
RT: 10.11 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion:184 Resp: 77600
Ion Ratio Lower Upper
184 100
63 66.9 54.2 81.2
154 63.6 184.0 276.0#

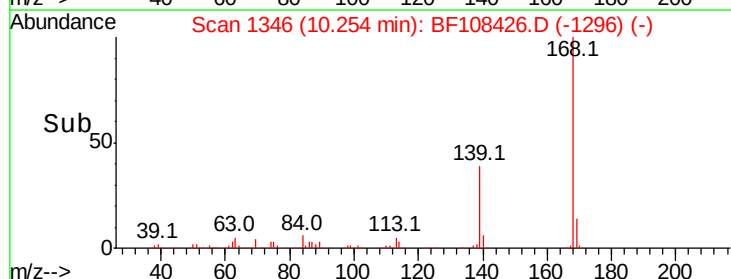
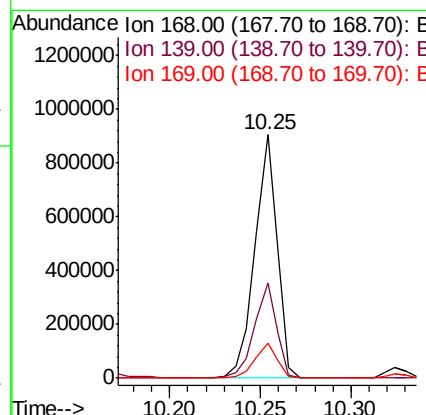
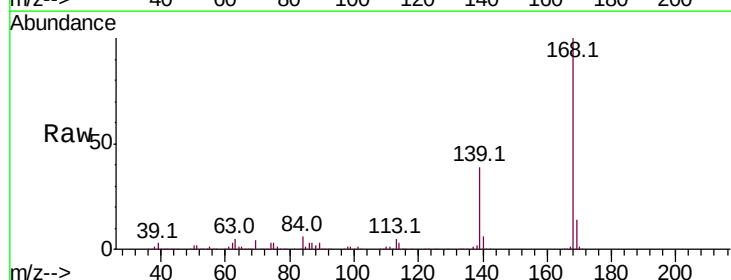
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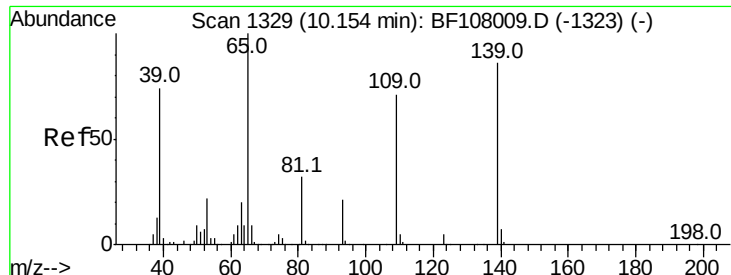
Sohil
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#54
Dibenzofuran
Concen: 33.409 ng
RT: 10.25 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Tgt Ion:168 Resp: 773447
Ion Ratio Lower Upper
168 100
139 39.3 30.1 45.1
169 14.2 10.9 16.3





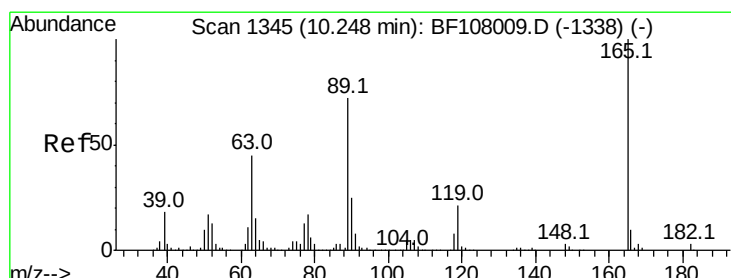
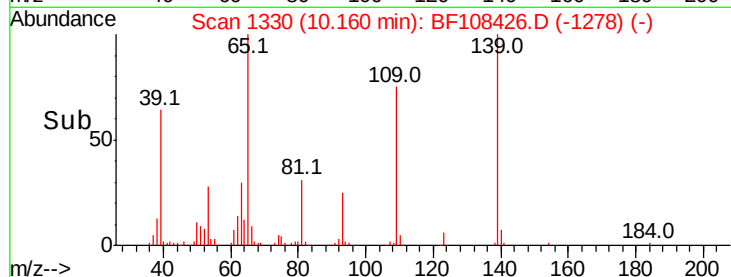
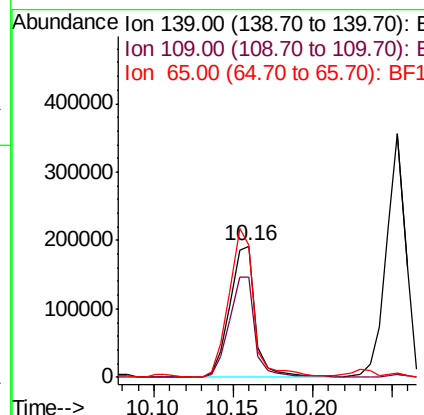
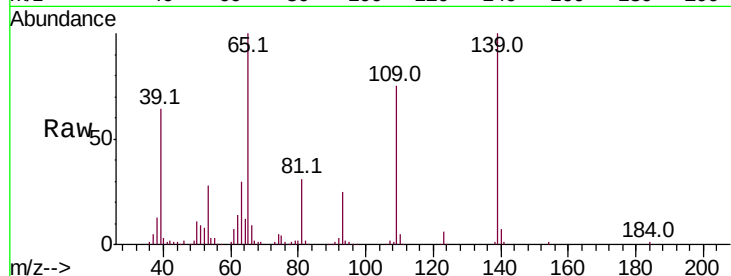
#55
4-Nitrophenol
Concen: 63.150 ng
RT: 10.16 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	75.8	48.4	88.4
65	100.5	72.6	112.6

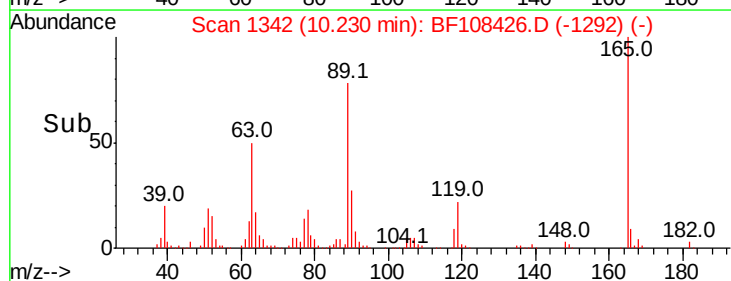
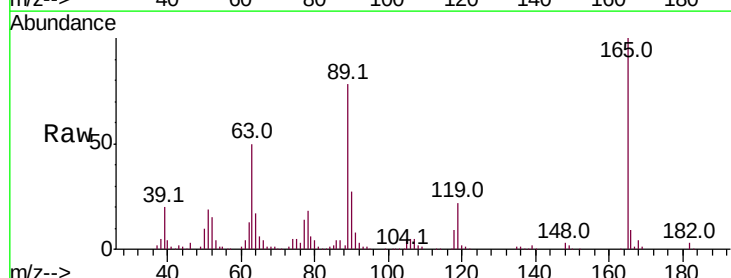
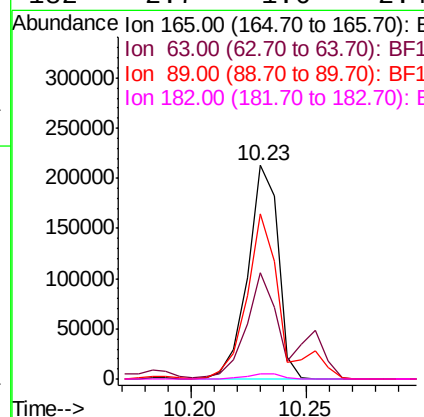
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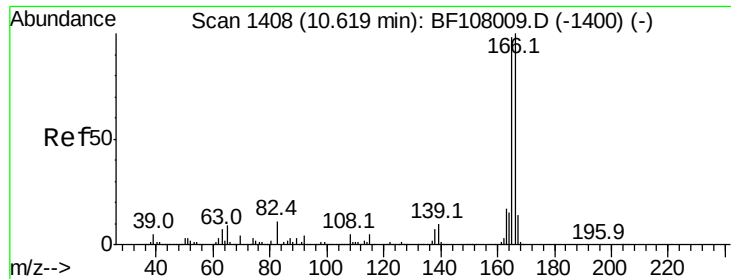
Sohil
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#56
2,4-Dinitrotoluene
Concen: 36.955 ng
RT: 10.23 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	49.9	36.4	54.6
89	77.6	57.8	86.6
182	2.7	1.6	2.4#





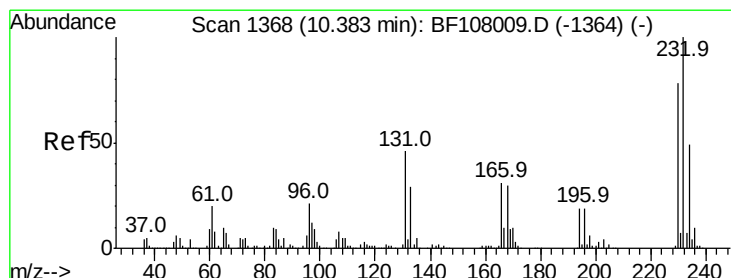
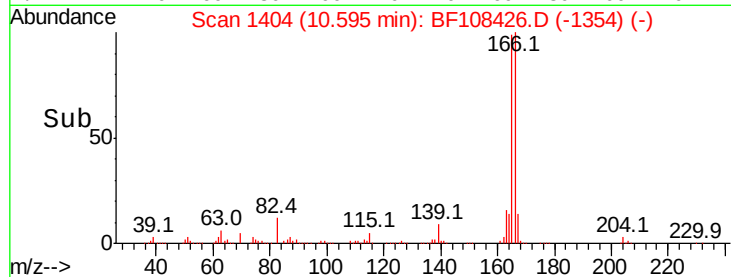
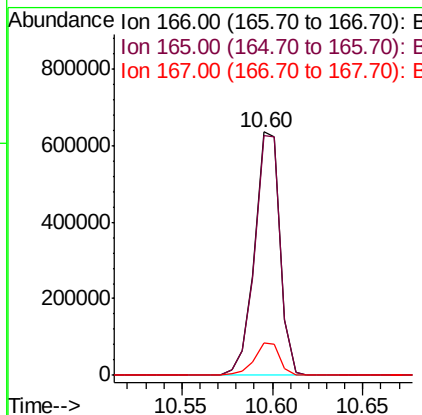
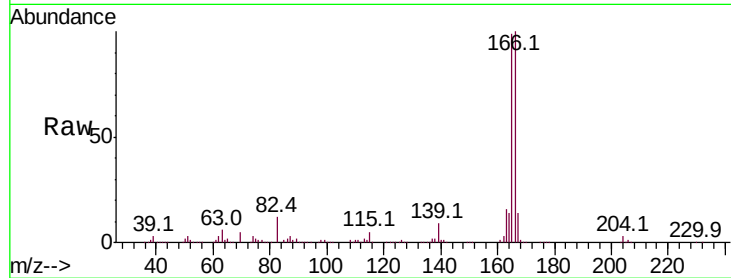
#57
 Fluorene
 Concen: 33.777 ng
 RT: 10.60 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.8	119.8
167	13.5	10.6	16.0

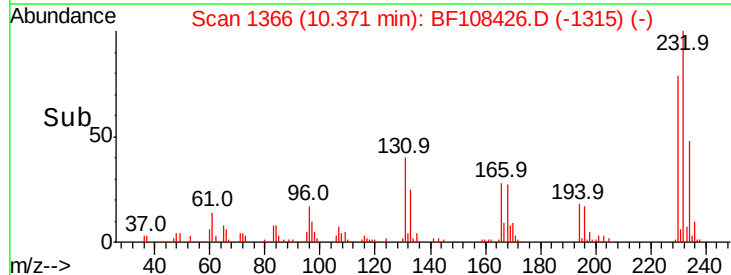
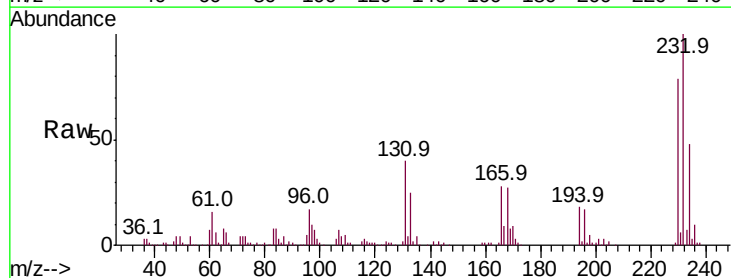
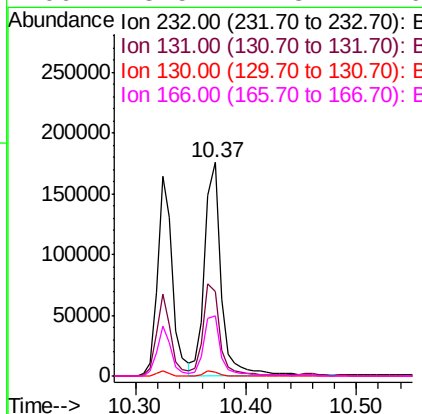
Manual Integrations
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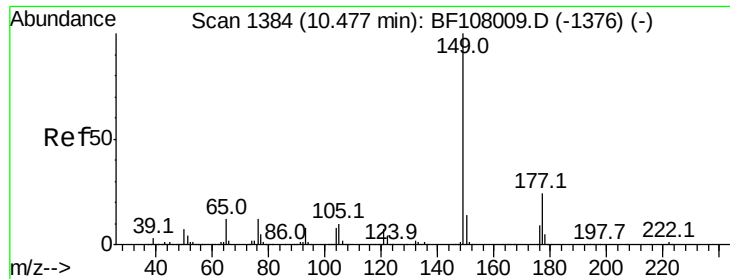
Sohil
 8/24/2018 12:14:02 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 35.656 ng
 RT: 10.37 min Scan# 1366
 Delta R.T. -0.00 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
232	100		
131	44.2	43.8	65.8
130	2.1	2.1	3.1
166	28.5	27.8	41.6





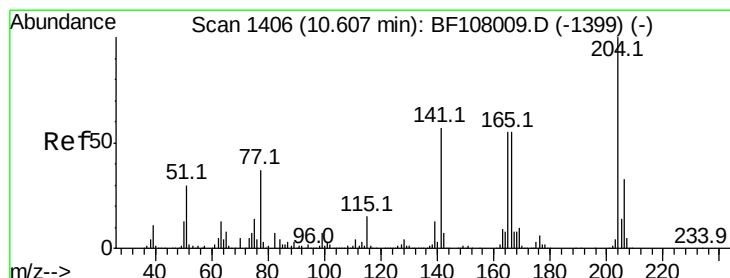
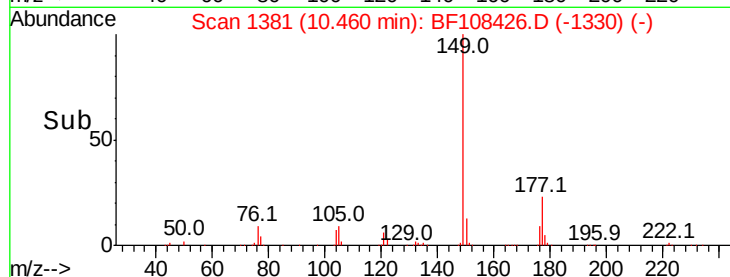
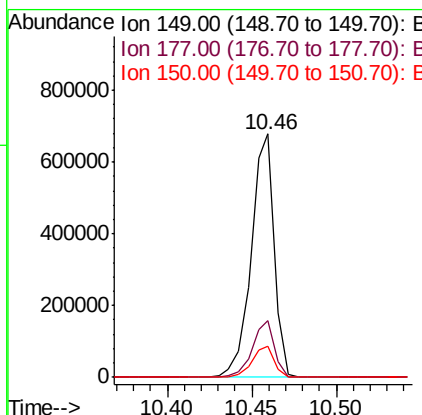
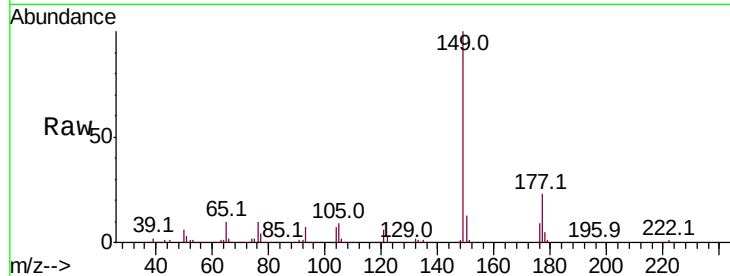
#59
Diethylphthalate
Concen: 33.888 ng
RT: 10.46 min Scan# 1381
Delta R.T. -0.00 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	23.2	16.1	24.1
150	12.8	10.1	15.1

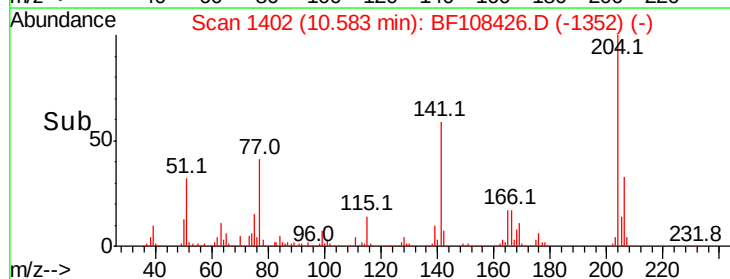
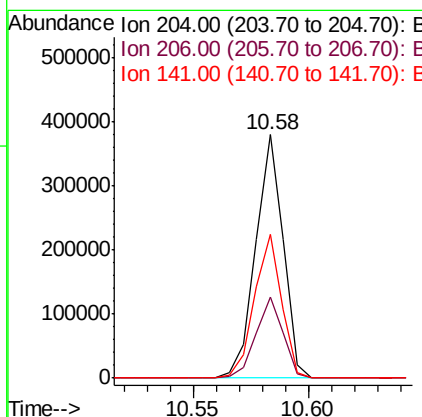
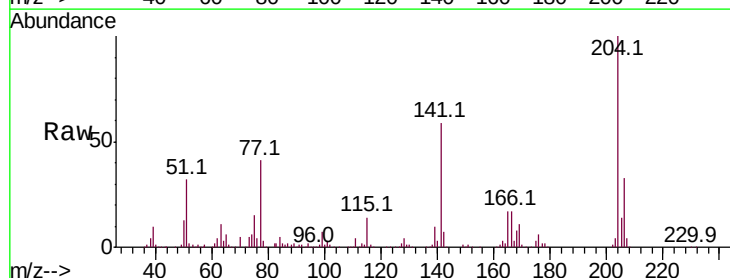
Manual Integrations
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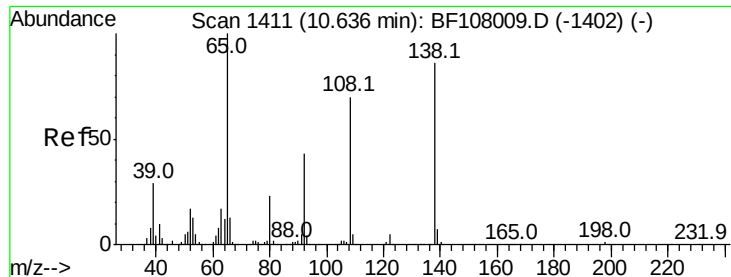
Sohil
8/24/2018 12:14:02 PM



#60
4-Chlorophenyl-phenylether
Concen: 33.147 ng
RT: 10.58 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.5	39.7
141	59.2	54.6	81.8





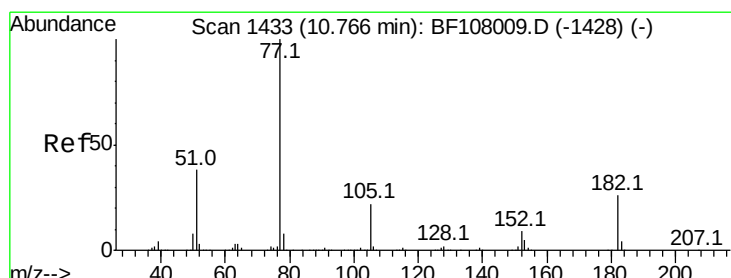
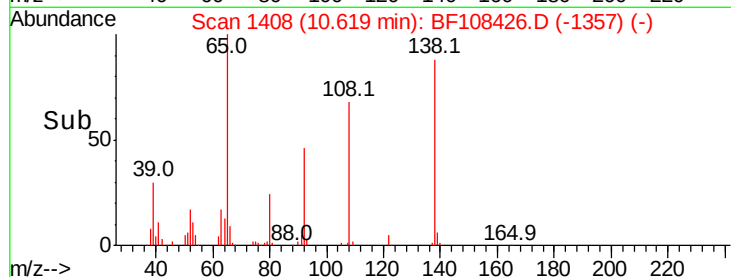
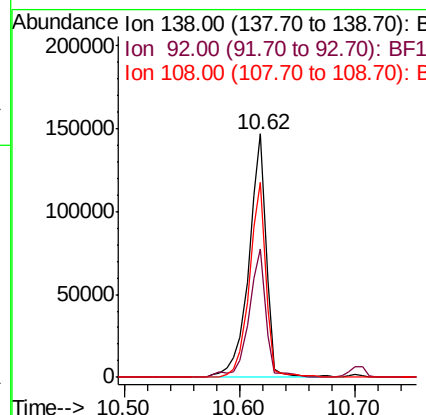
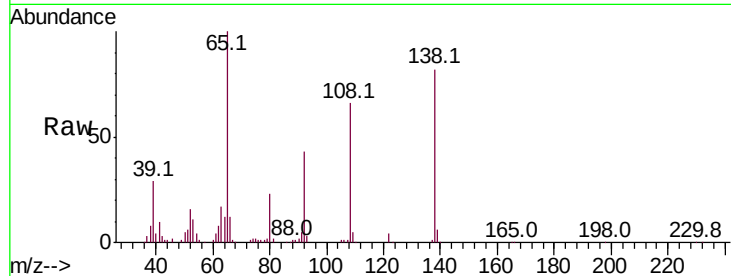
#61
4-Nitroaniline
Concen: 34.388 ng
RT: 10.62 min Scan# 1408
Delta R.T. -0.00 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	52.8	30.2	70.2
108	80.2	52.5	92.5

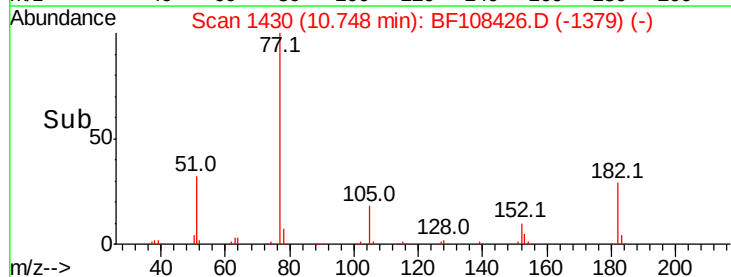
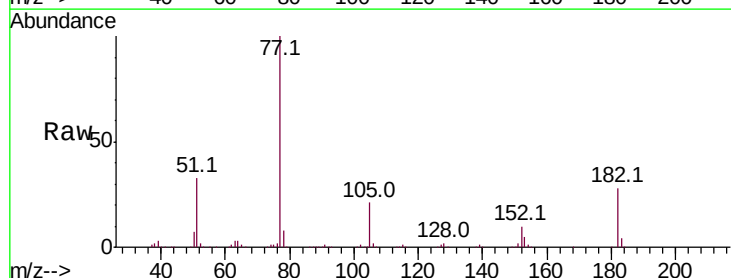
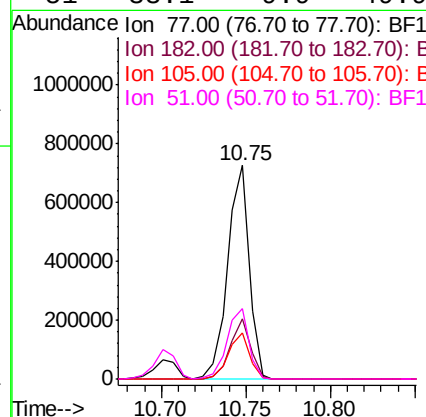
Manual Integrations
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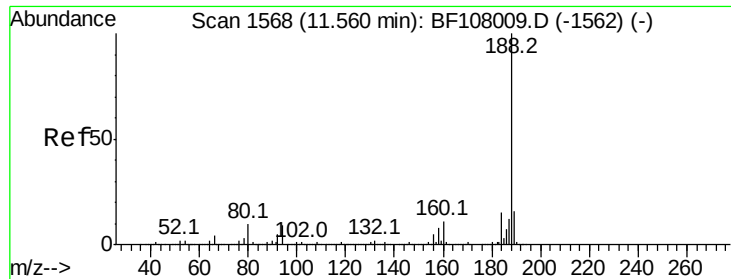
Sohil
8/24/2018 12:14:02 PM



#62
Azobenzene
Concen: 32.634 ng
RT: 10.75 min Scan# 1430
Delta R.T. -0.00 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
77	100		
182	28.1	1.7	41.7
105	21.5	3.0	43.0
51	33.1	9.9	49.9





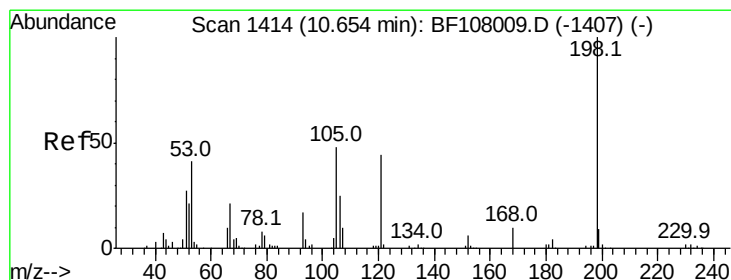
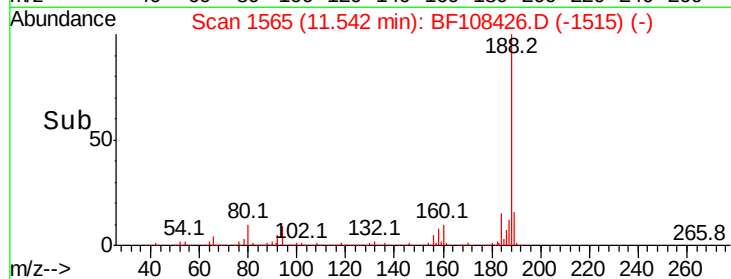
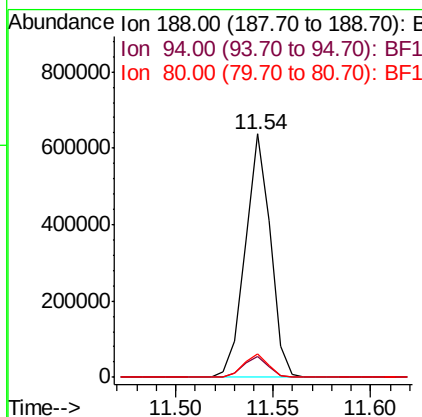
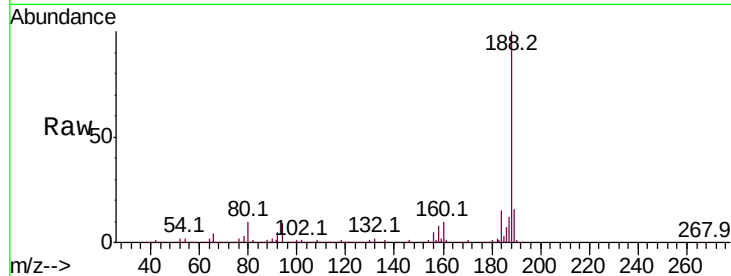
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	568469		
94	8.5		8.5	12.7
80	9.7		9.2	13.8

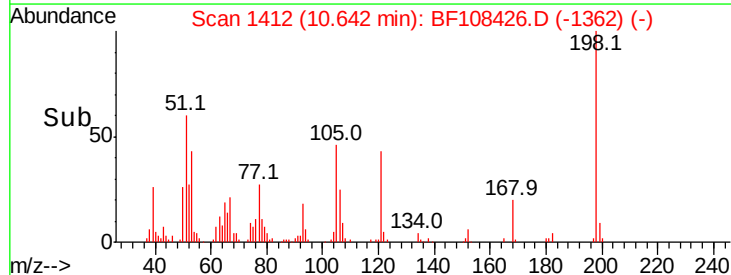
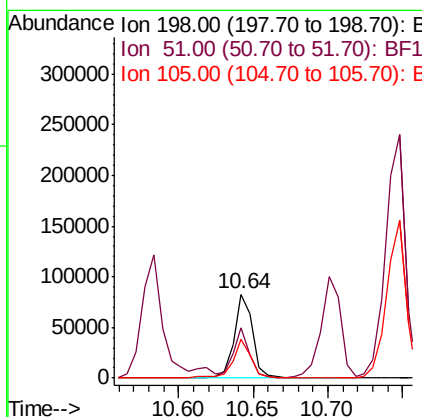
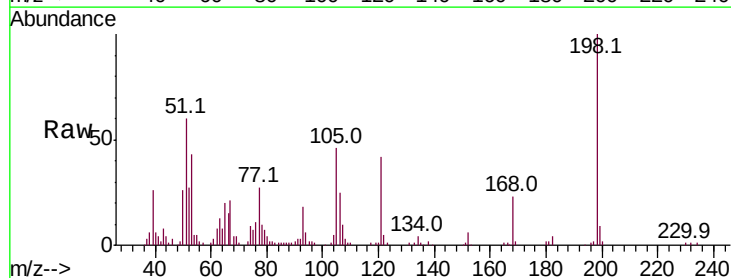
Manual Integrations
APPROVED

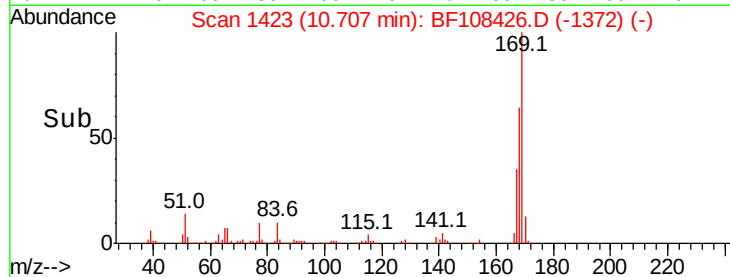
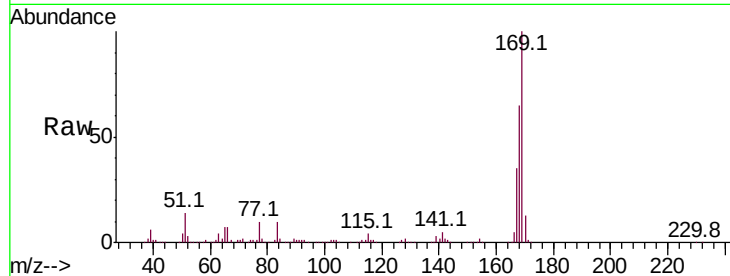
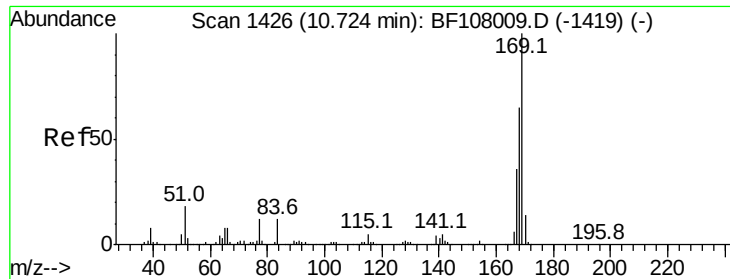
Sohil
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#64
4,6-Dinitro-2-methylphenol
Concen: 35.060 ng
RT: 10.64 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	71357		
51	59.7		37.7	77.7
105	46.0		36.3	76.3





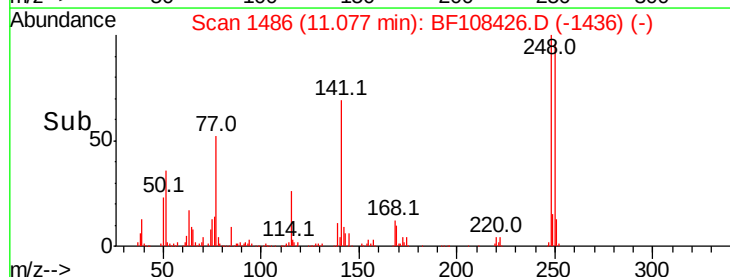
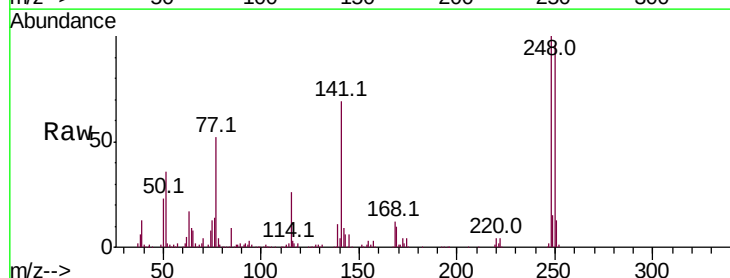
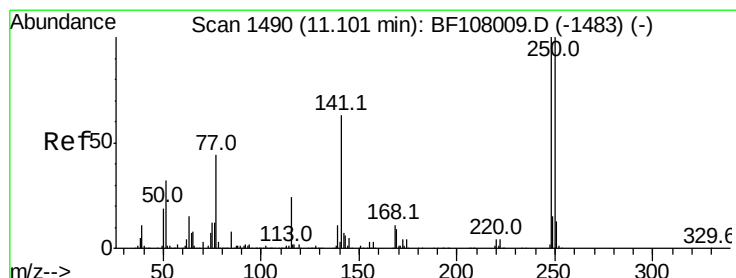
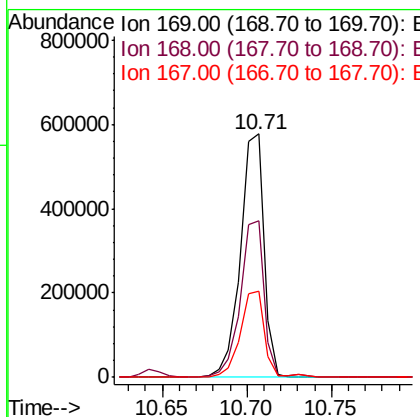
#65
n-Nitrosodiphenylamine
Concen: 33.545 ng
RT: 10.71 min Scan# 1423
Delta R.T. -0.00 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100	563520		
168	64.5	54.4	81.6	
167	35.3	29.8	44.6	

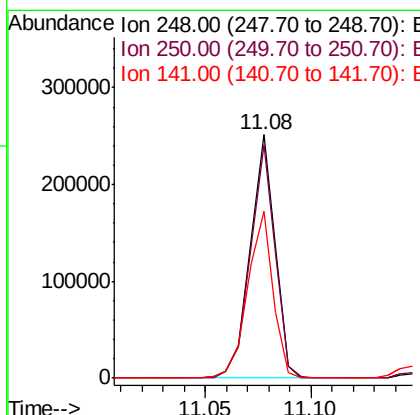
Manual Integrations
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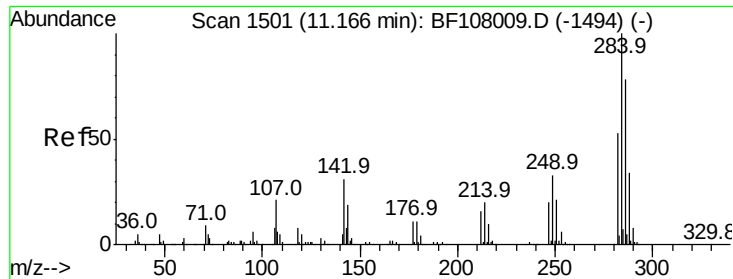
Sohil
8/24/2018 12:14:02 PM



#66
4-Bromophenyl-phenylether
Concen: 33.403 ng
RT: 11.08 min Scan# 1486
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	206353		
250	95.9	76.9	115.3	
141	68.7	74.4	111.6	





#67

Hexachlorobenzene

Concen: 33.090 ng

RT: 11.15 min Scan# 1498

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA_F

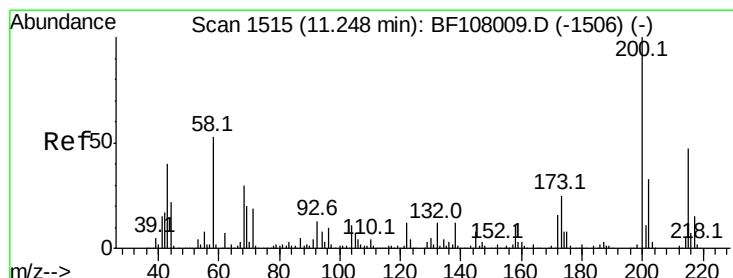
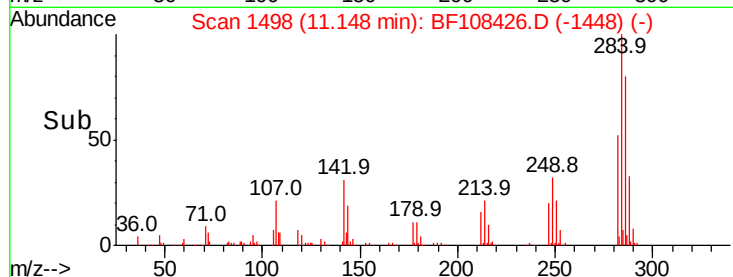
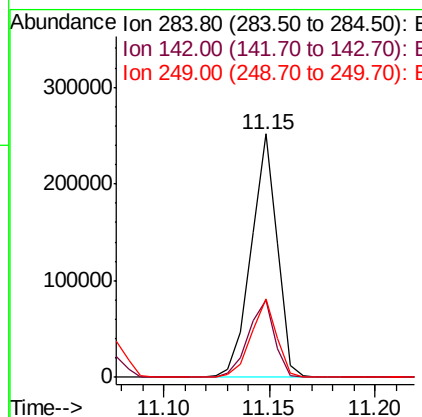
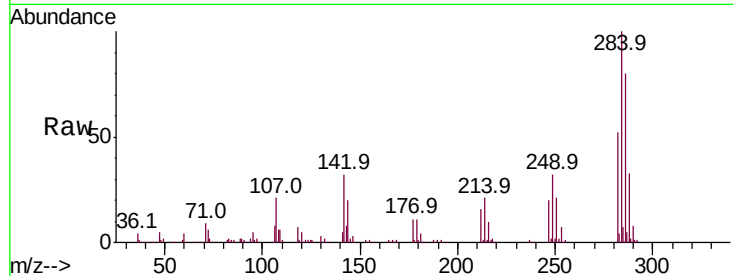
ClientSampleId :

RA-081618-FL-036MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	215086		
142	31.8	34.6	52.0#	
249	32.5	24.8	37.2	

Manual Integrations
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#68

Atrazine

Concen: 33.999 ng

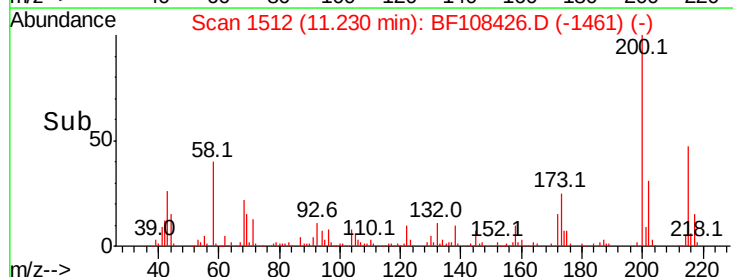
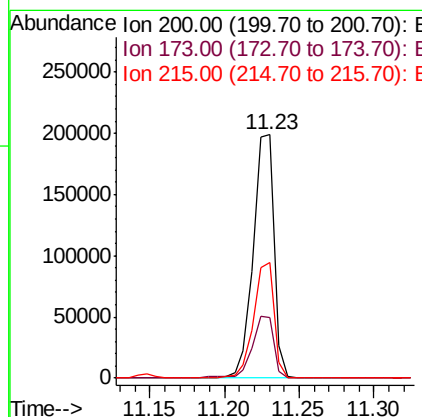
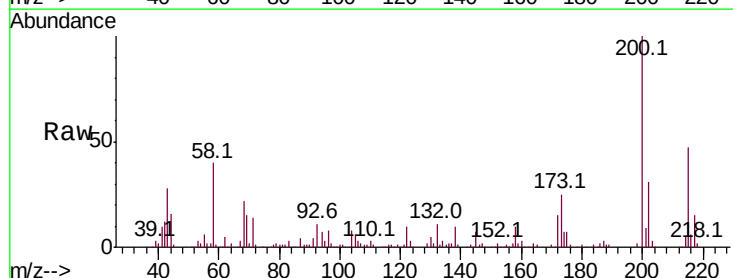
RT: 11.23 min Scan# 1512

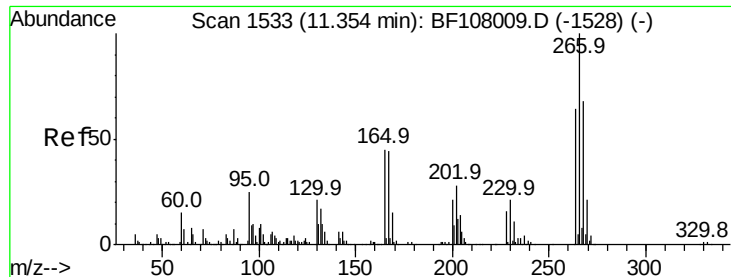
Delta R.T. -0.00 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	191563		
173	24.7	8.6	48.6	
215	47.4	25.1	65.1	





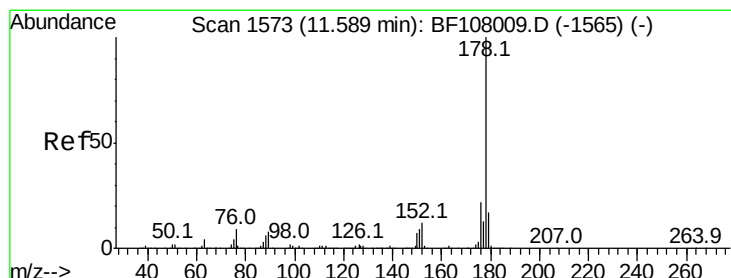
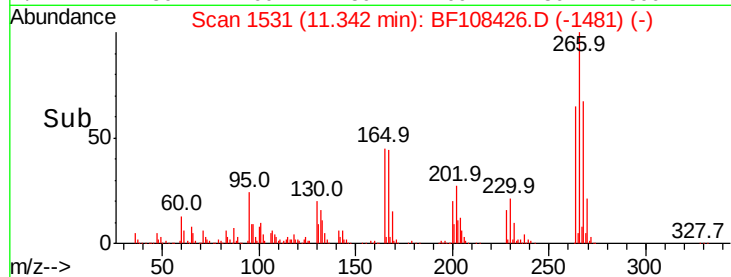
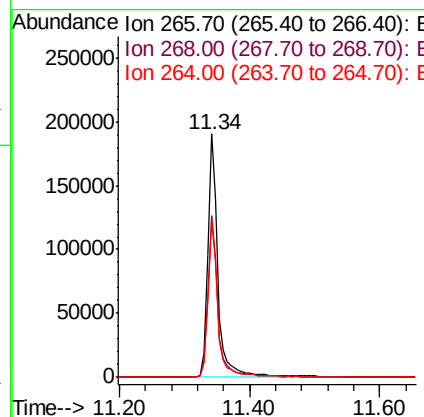
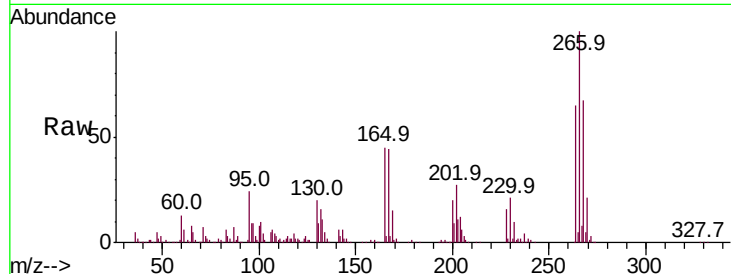
#69
 Pentachlorophenol
 Concen: 66.503 ng
 RT: 11.34 min Scan# 1531
 Delta R.T. -0.01 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	206900		
268	66.6	51.1	76.7	
264	64.7	49.5	74.3	

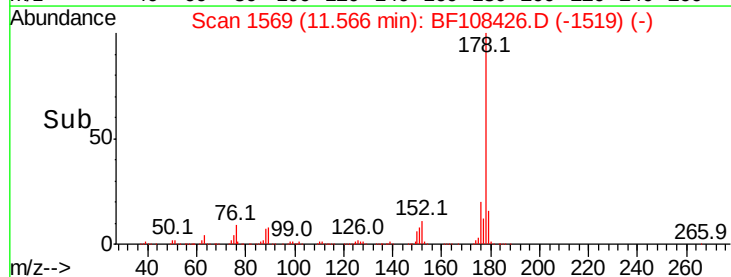
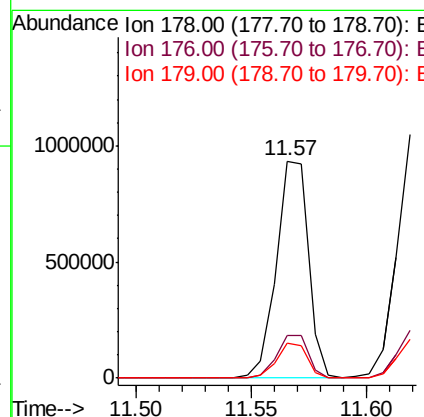
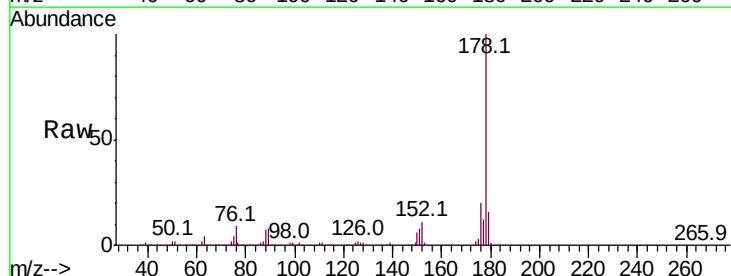
Manual Integrations
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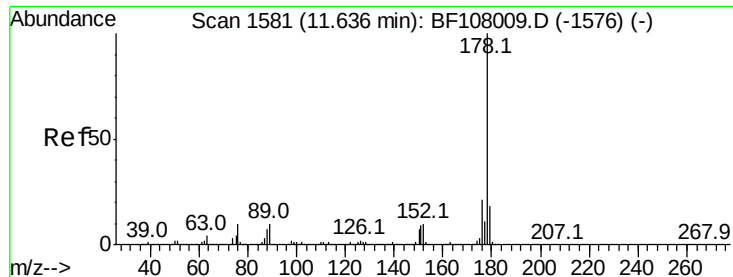
Sohil
 8/24/2018 12:14:02 PM



#70
 Phenanthrene
 Concen: 33.607 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	901092		
176	19.9	15.8	23.8	
179	16.1	13.0	19.6	





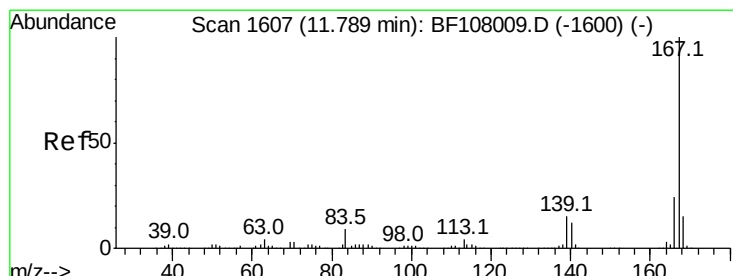
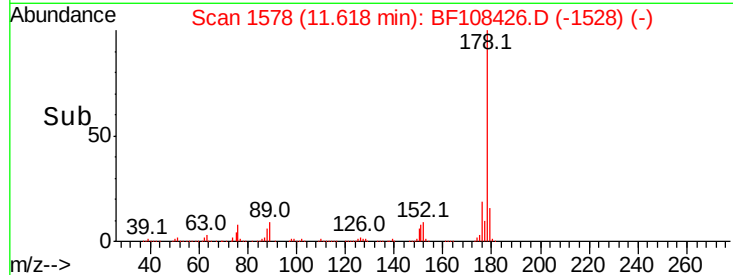
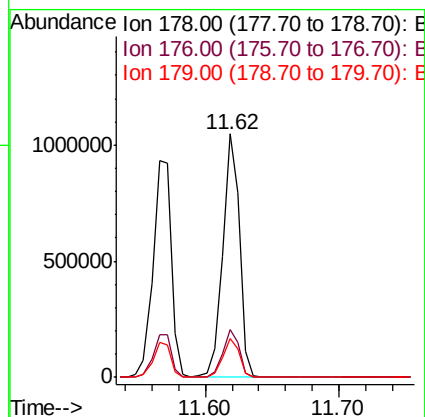
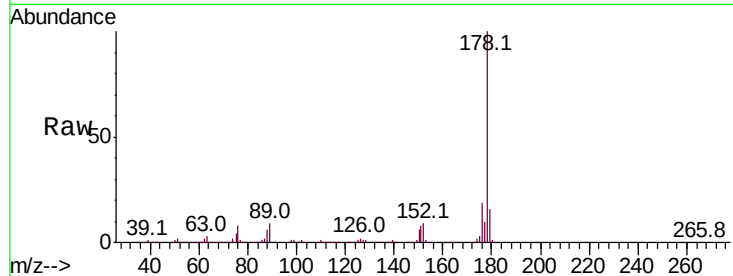
#71
 Anthracene
 Concen: 33.920 ng
 RT: 11.62 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion:178	Resp: 932162
Ion Ratio	Lower Upper
178 100	
176 19.4	15.4 23.2
179 16.0	12.6 19.0

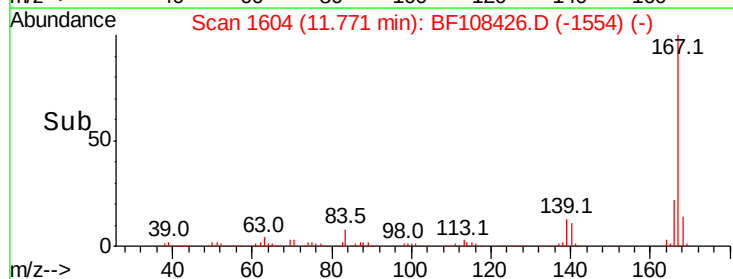
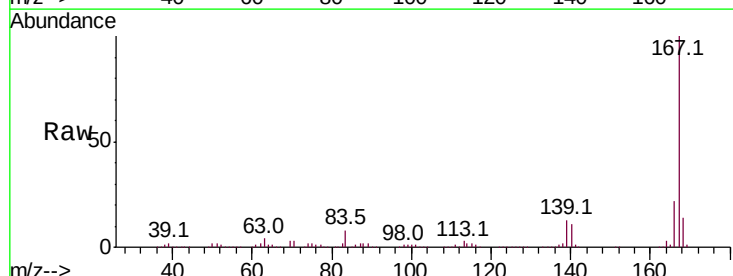
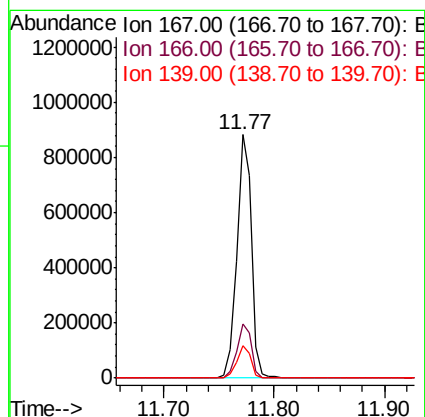
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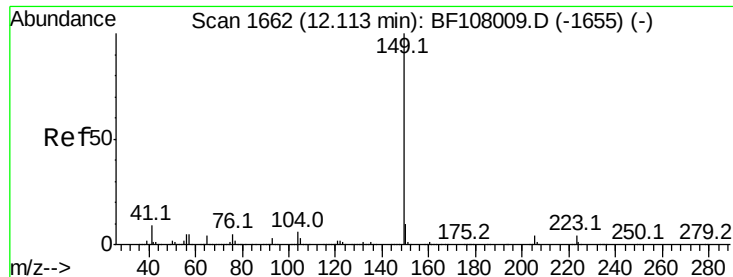
Sohil
 8/24/2018 12:14:02 PM



#72
 Carbazole
 Concen: 33.408 ng
 RT: 11.77 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Tgt Ion:167	Resp: 815687
Ion Ratio	Lower Upper
167 100	
166 22.2	17.6 26.4
139 13.4	10.9 16.3





#73

Di-n-butylphthalate

Concen: 35.667 ng

RT: 12.09 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA_F

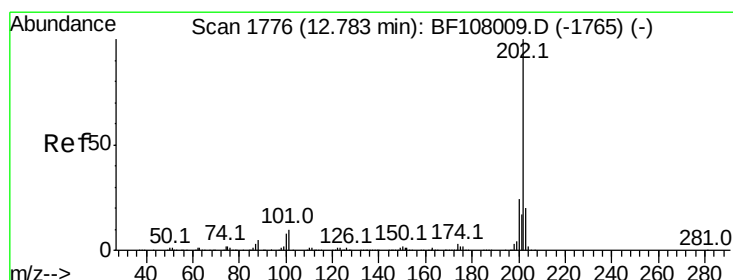
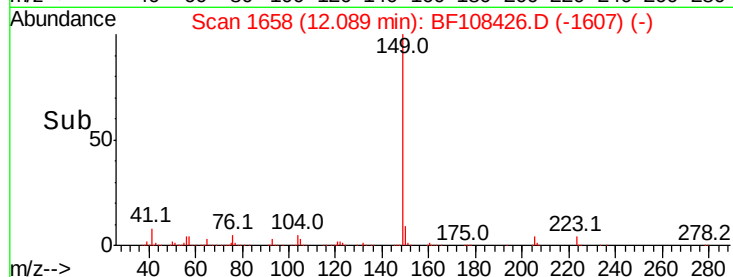
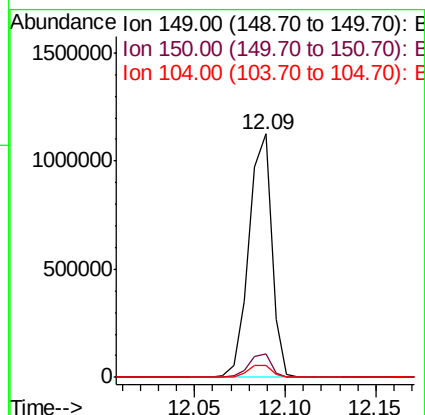
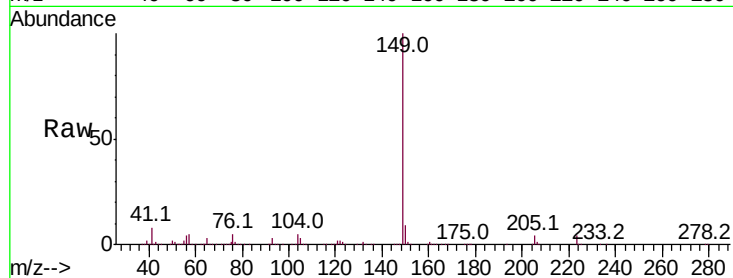
ClientSampleId :

RA-081618-FL-036MSD

Tot Ion:	149	Resp:	986411
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.8	11.6
104	5.1	3.8	5.8

Manual Integrations
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#74

Fluoranthene

Concen: 33.158 ng

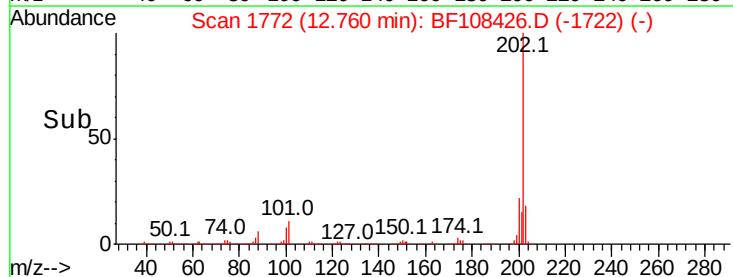
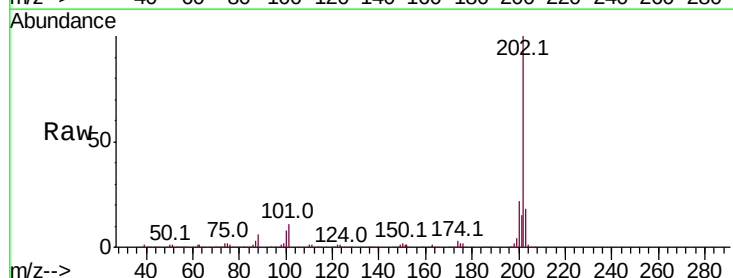
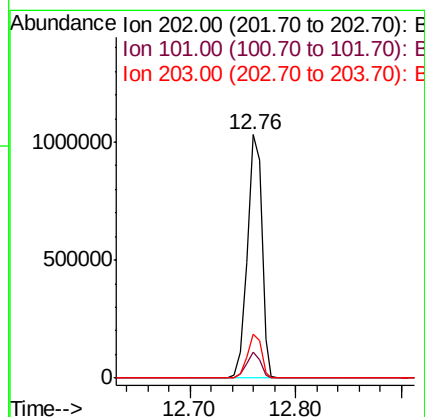
RT: 12.76 min Scan# 1772

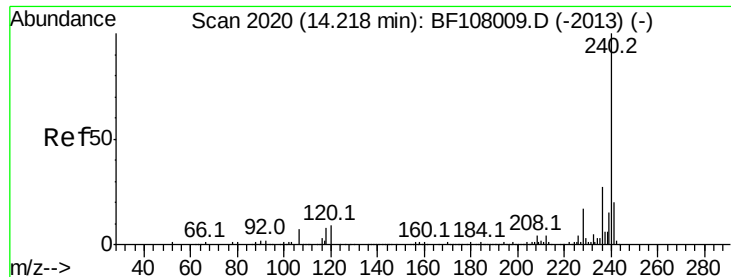
Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Tgt Ion:	202	Resp:	970284
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	34.1
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA_F

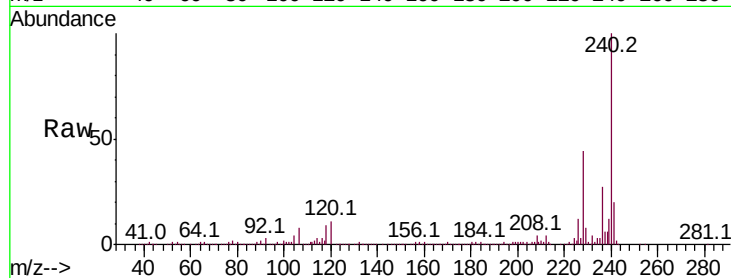
ClientSampleId :

RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.5	14.3
236	26.6	20.7	31.1

Manual Integrations
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8/24/2018 12:14:02 PM

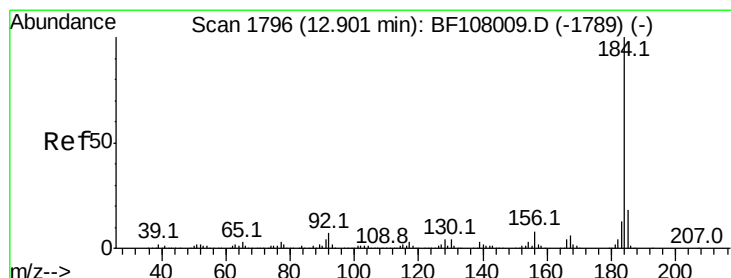
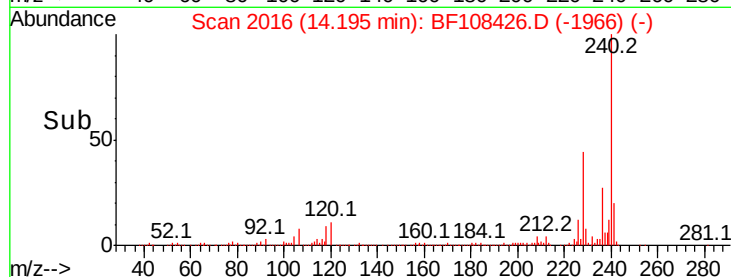
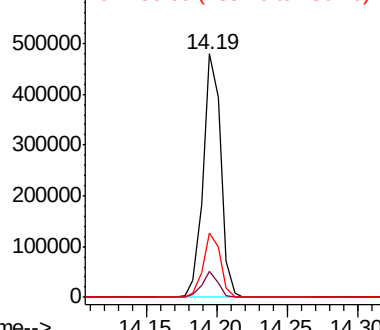


Abundance

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: 22.357 ng

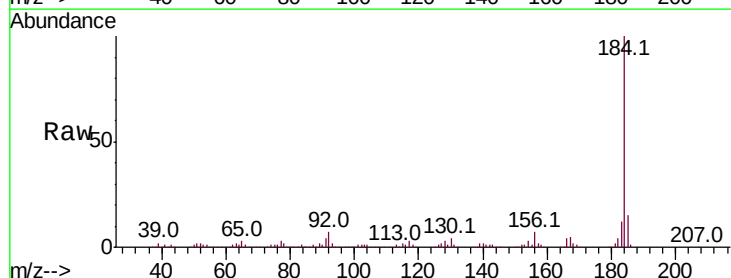
RT: 12.88 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.6	12.6	18.8
183	11.6	9.3	13.9

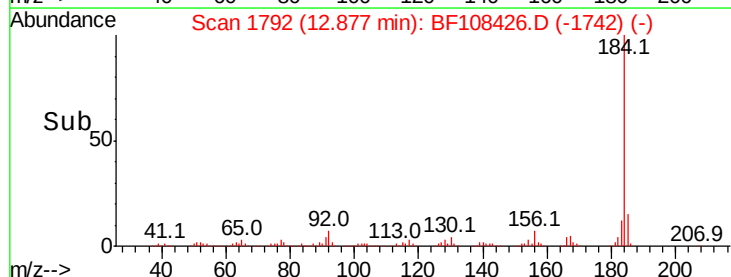
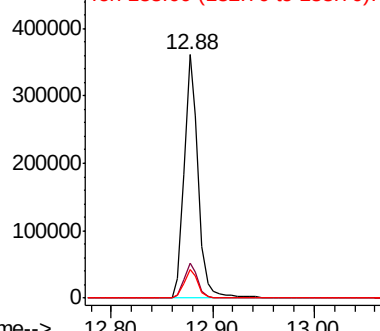


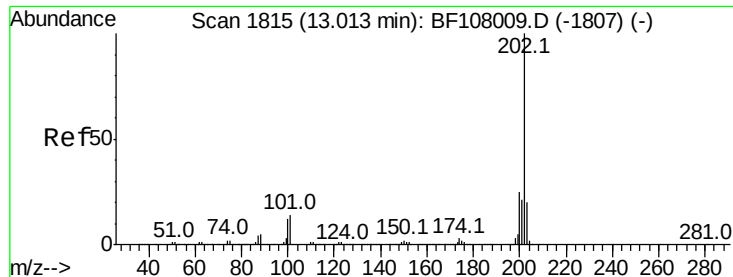
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 36.102 ng

RT: 12.99 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA_F

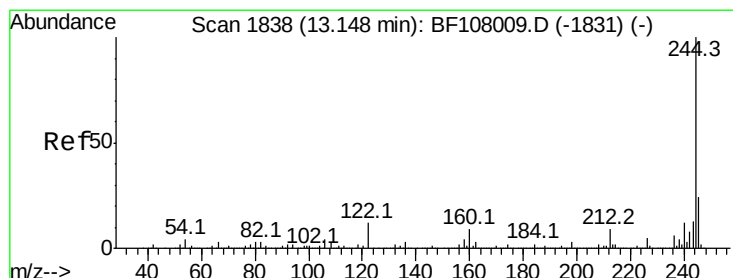
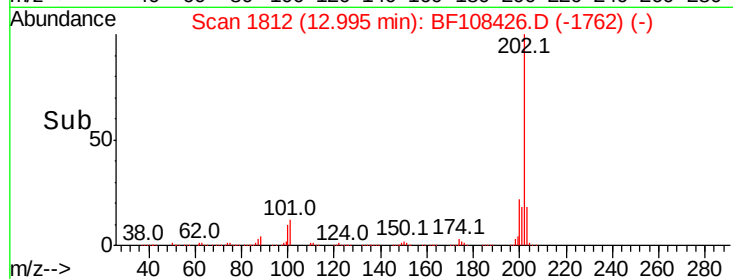
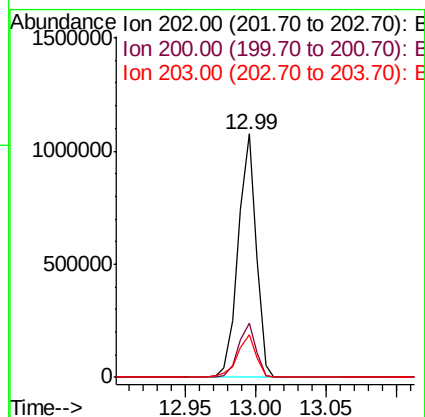
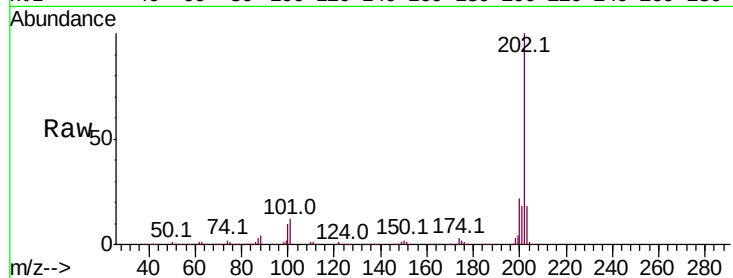
ClientSampleId :

RA-081618-FL-036MSD

Tot Ion:	202	Resp:	952699
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.4	26.2
203	17.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 78.231 ng

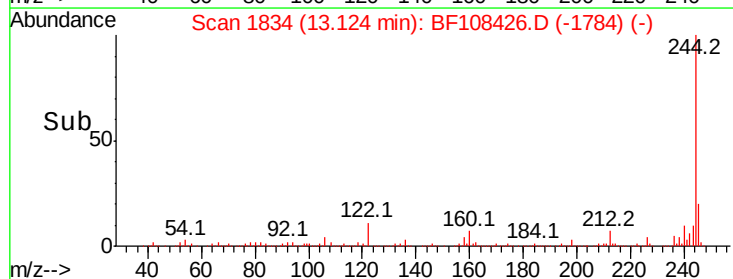
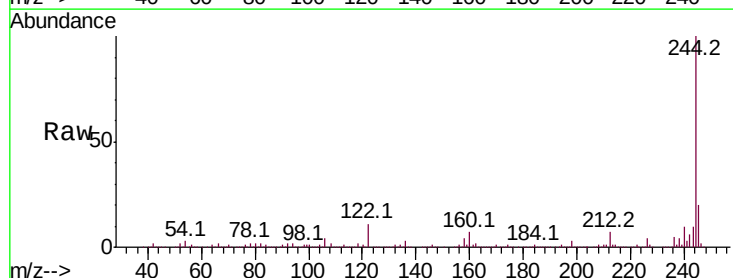
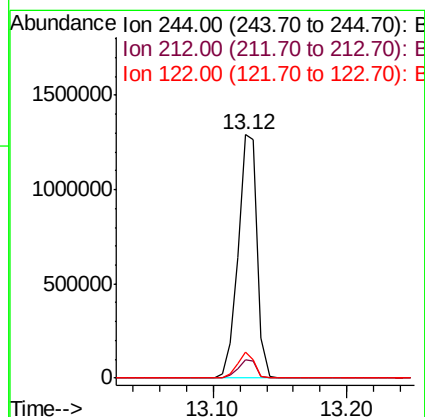
RT: 13.12 min Scan# 1834

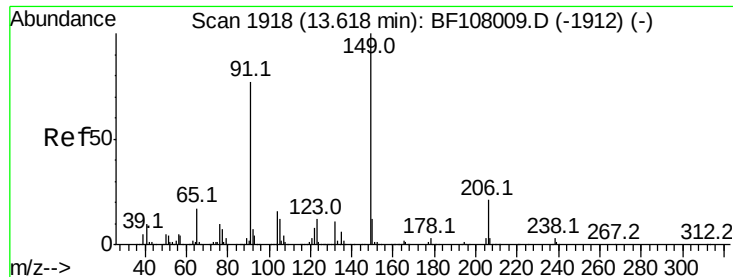
Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Tgt Ion:	244	Resp:	1282516
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.4	8.0
122	10.9	11.0	16.4#





#79

Butylbenzylphthalate

Concen: 37.201 ng

RT: 13.59 min Scan# 1914

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA_F

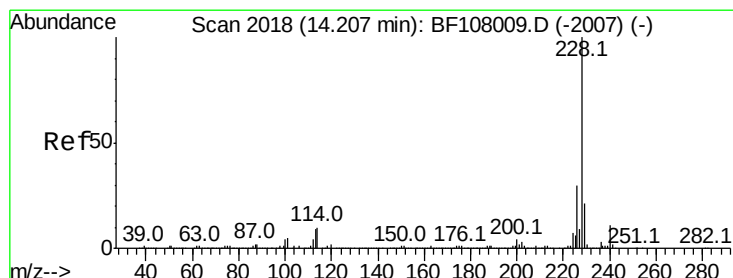
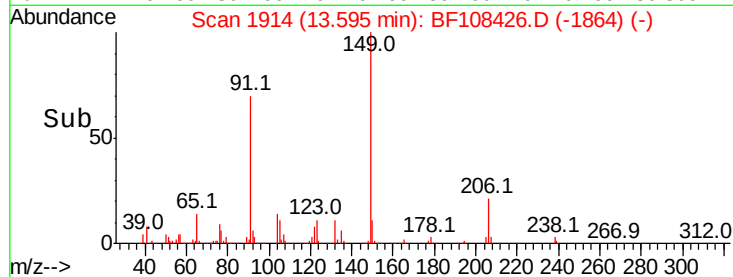
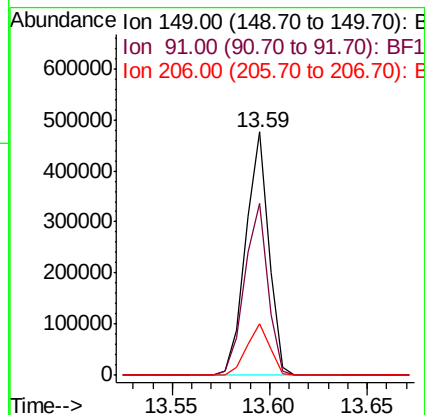
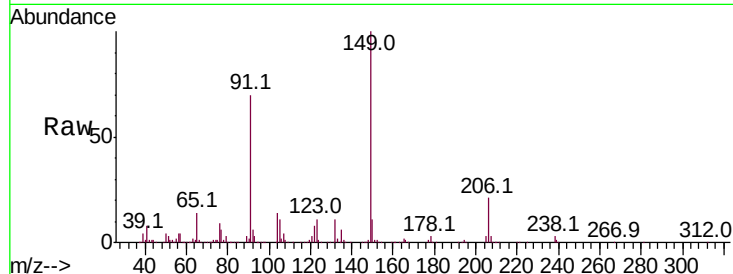
ClientSampleId :

RA-081618-FL-036MSD

Tot Ion:	149	Resp:	389824
Ion Ratio	Lower	Upper	
149	100		
91	70.4	56.8	85.2
206	21.3	14.1	21.1#

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#80

Benzo(a)anthracene

Concen: 32.504 ng

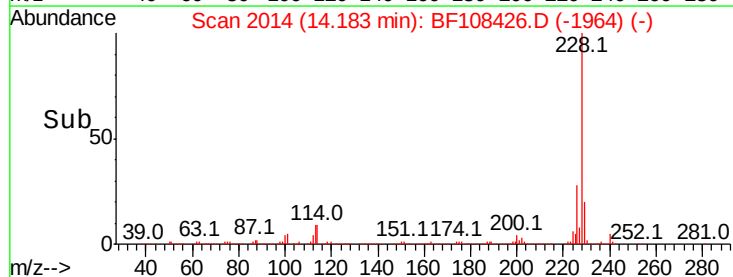
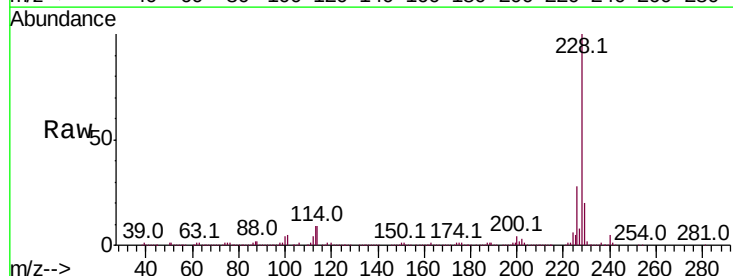
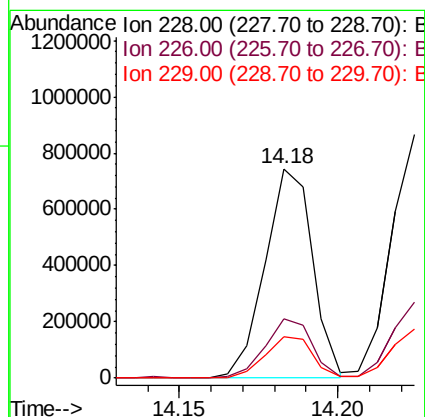
RT: 14.18 min Scan# 2014

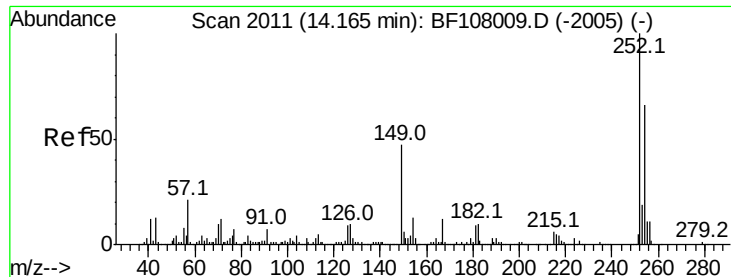
Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Tgt Ion:	228	Resp:	777548
Ion Ratio	Lower	Upper	
228	100		
226	28.3	22.6	33.8
229	20.0	15.8	23.6





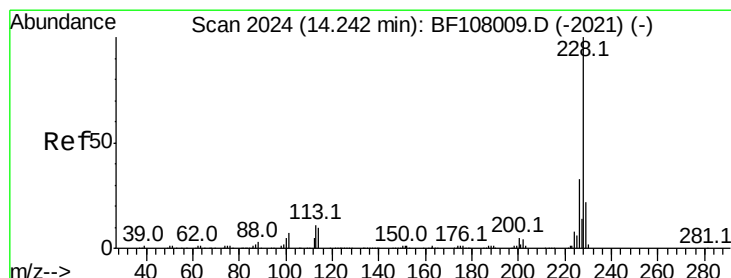
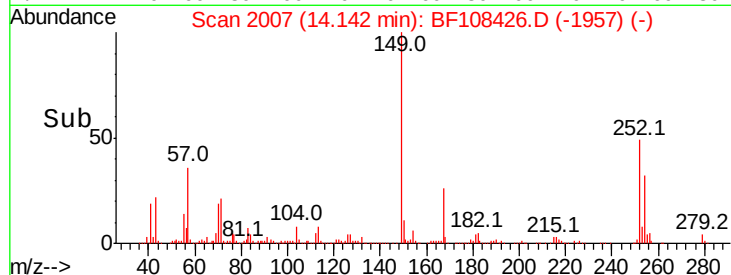
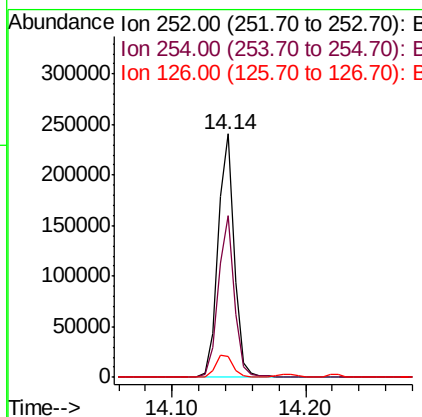
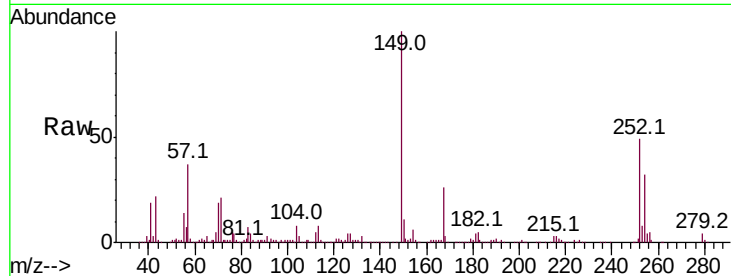
#81
 3,3'-Dichlorobenzidine
 Concen: 24.263 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	66.2	50.4	75.6
126	8.7	11.3	16.9

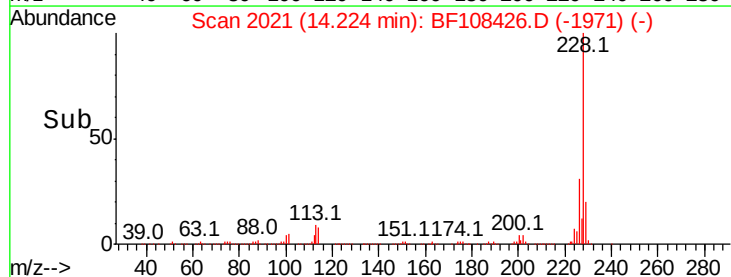
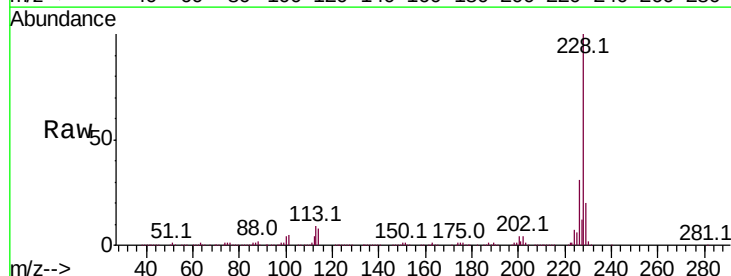
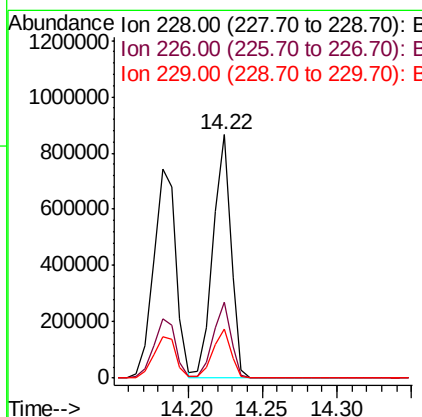
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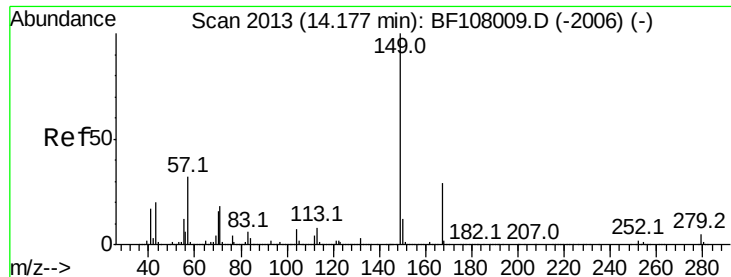
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#82
 Chrysene
 Concen: 33.172 ng
 RT: 14.22 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	20.1	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 35.711 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA_F

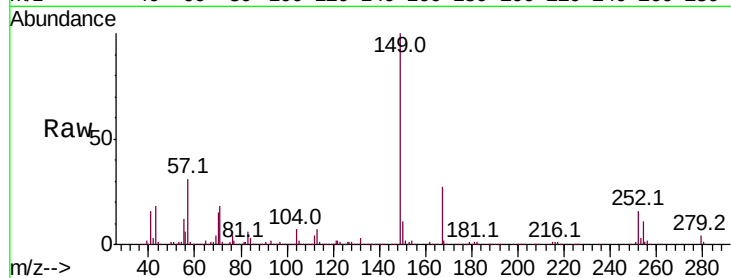
ClientSampleId :

RA-081618-FL-036MSD

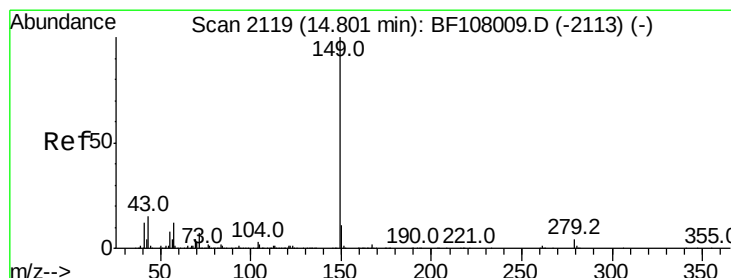
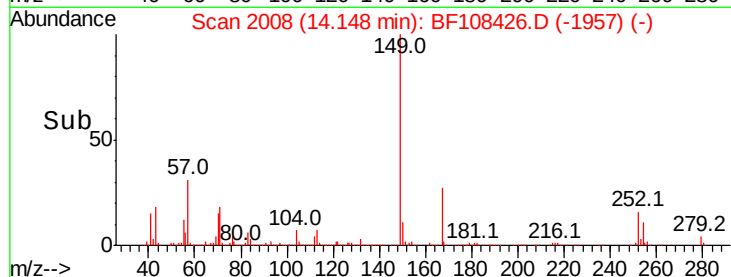
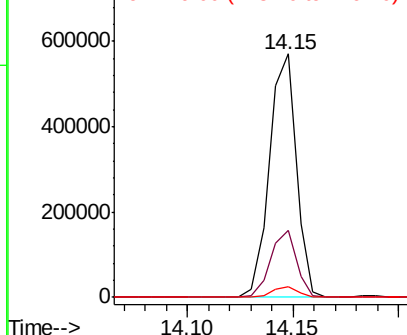
Tot Ion:	149	Resp:	506746
Ion Ratio	Lower	Upper	
149	100		
167	27.4	21.3	31.9
279	4.5	3.0	4.4#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 34.404 ng

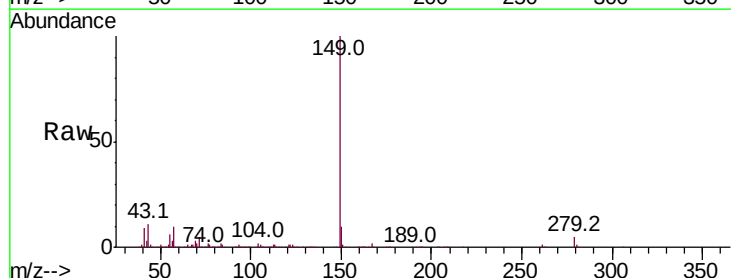
RT: 14.77 min Scan# 2114

Delta R.T. -0.01 min

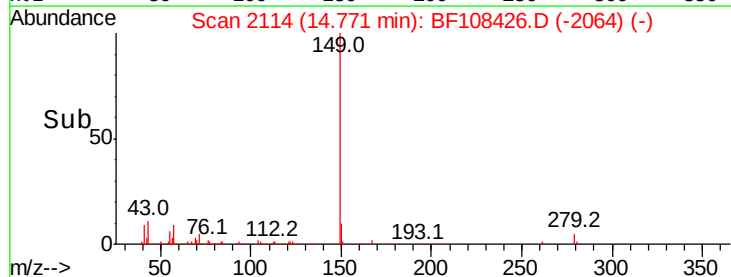
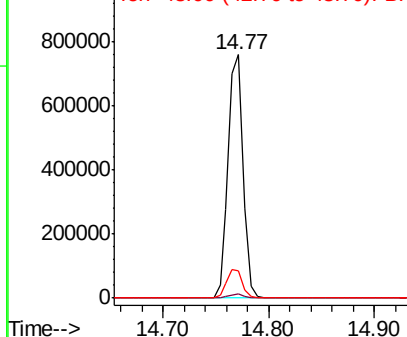
Lab File: BF108426.D

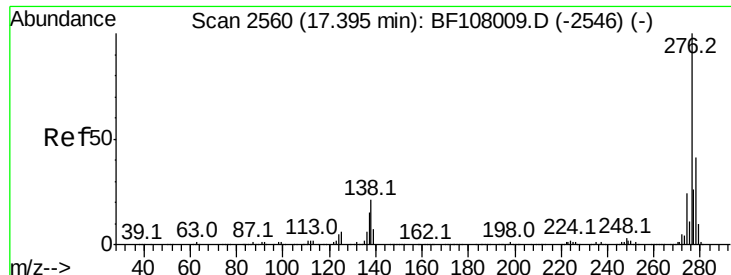
Acq: 23 Aug 2018 17:49

Tgt Ion:	149	Resp:	744560
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.2	1.8
43	11.6	8.4	12.6



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1





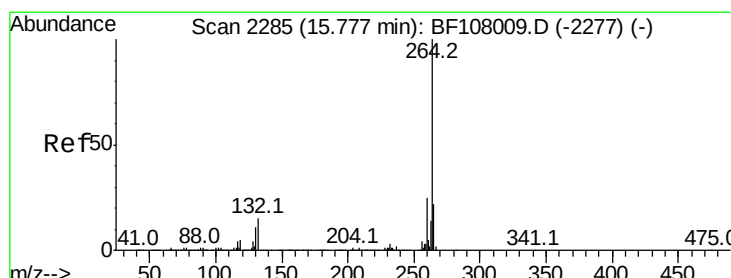
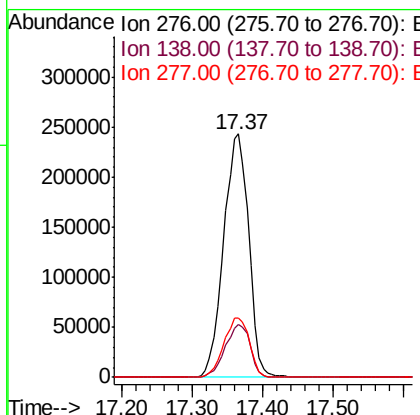
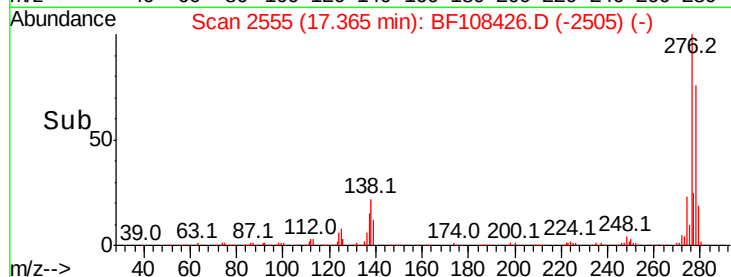
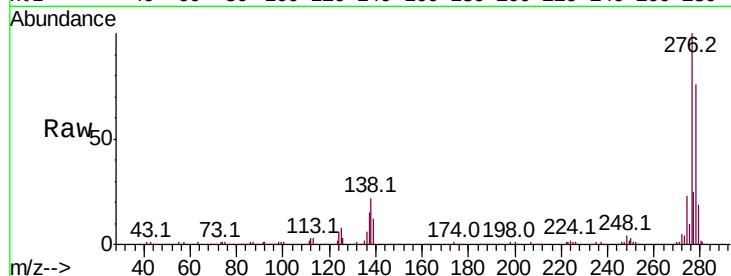
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 31.514 ng
 RT: 17.37 min Scan# 2555
 Delta R.T. -0.01 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	25.0	37.6#
277	24.9	20.1	30.1

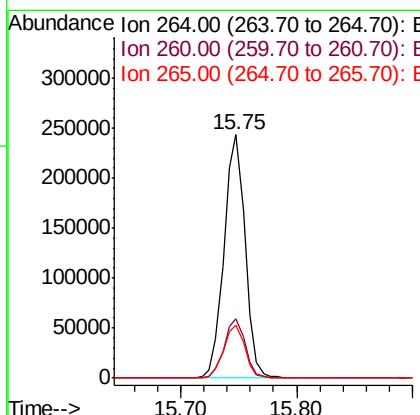
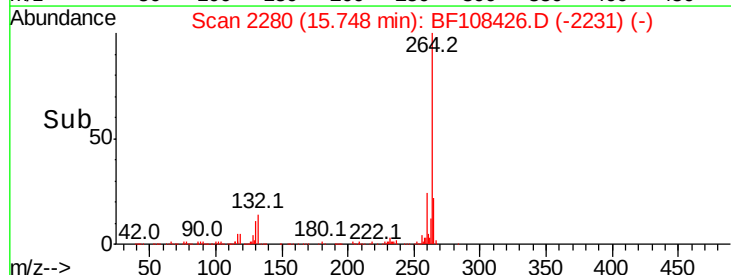
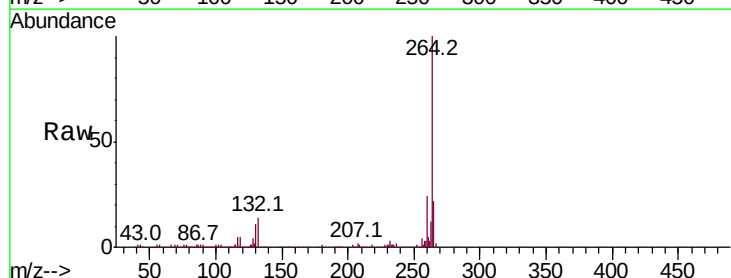
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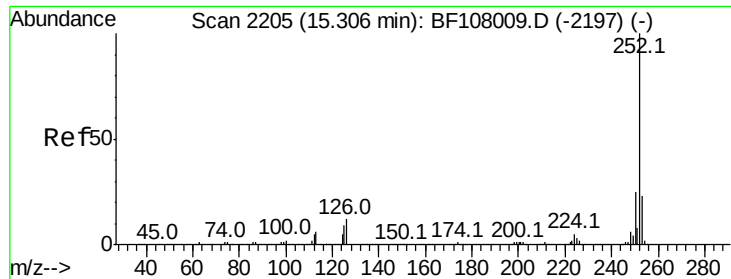
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.75 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF108426.D
 Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.8	17.5	26.3





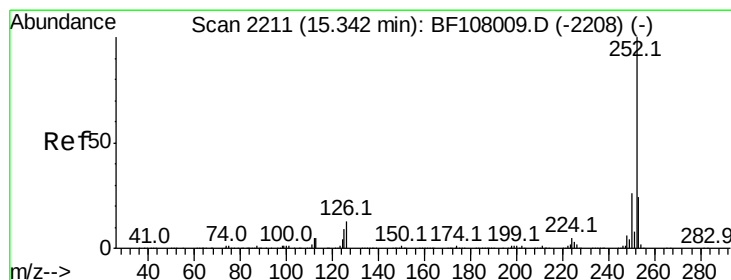
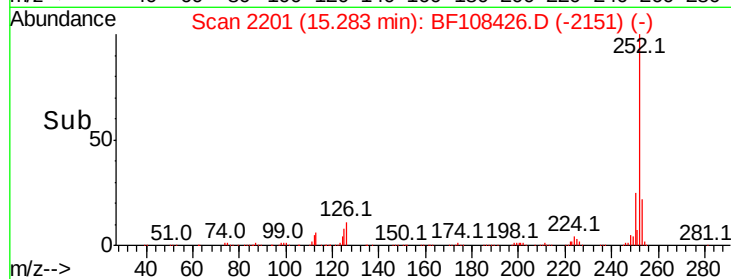
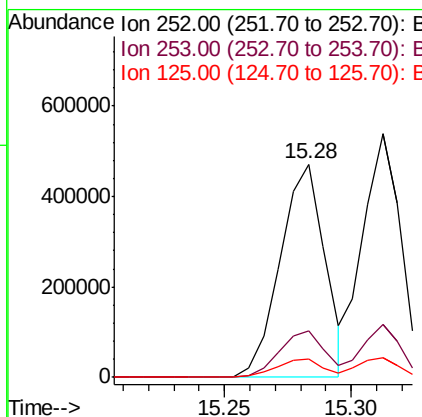
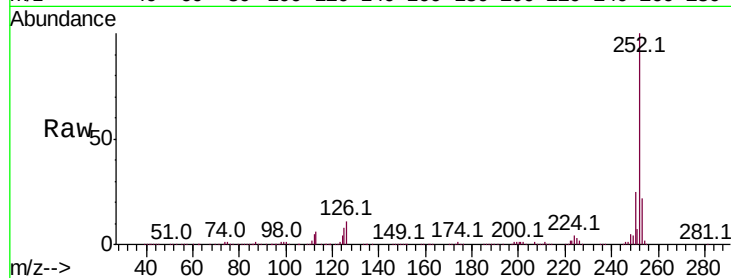
#87
Benzo(b)fluoranthene
Concen: 31.563 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	8.5	9.0	13.6#

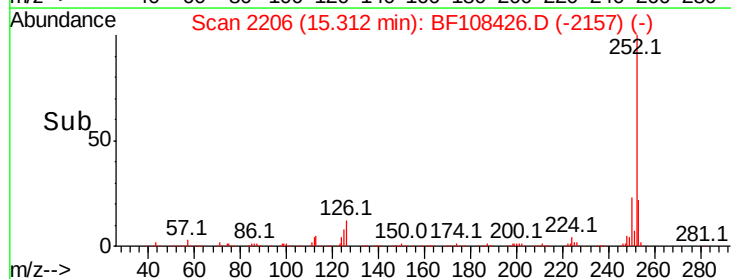
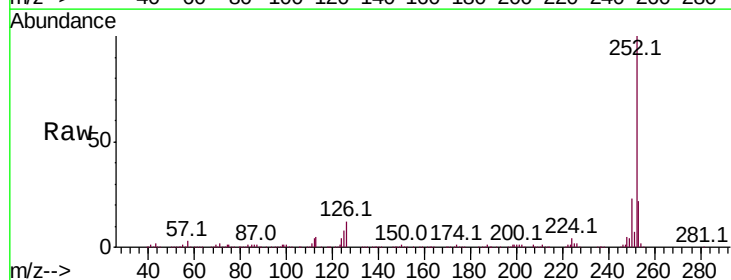
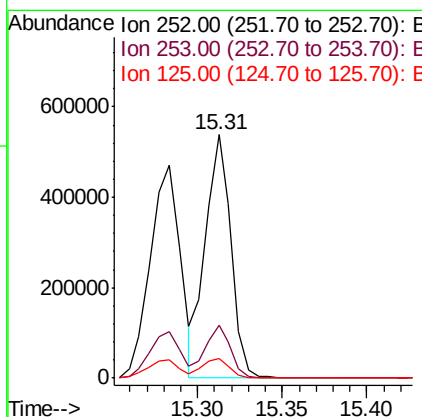
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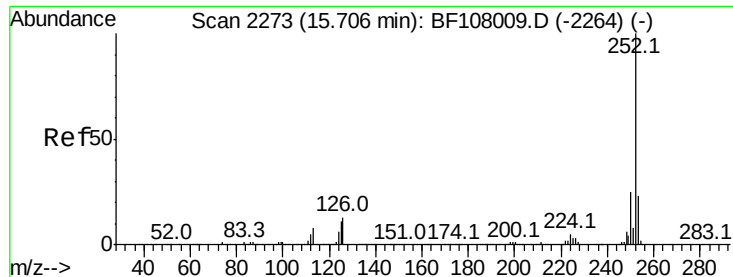
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#88
Benzo(k)fluoranthene
Concen: 33.635 ng
RT: 15.31 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.9	26.9
125	8.3	10.2	15.2#





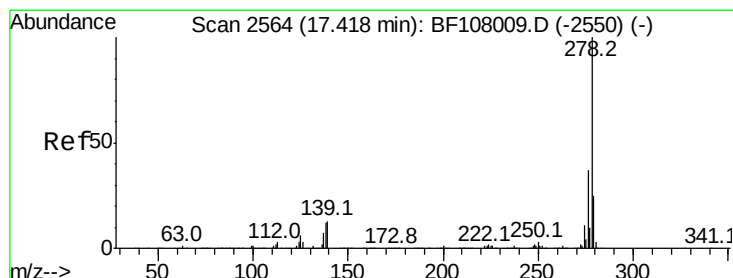
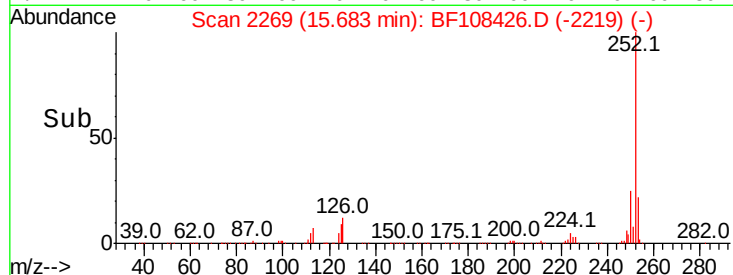
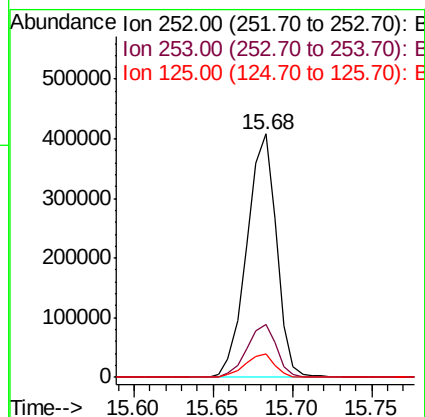
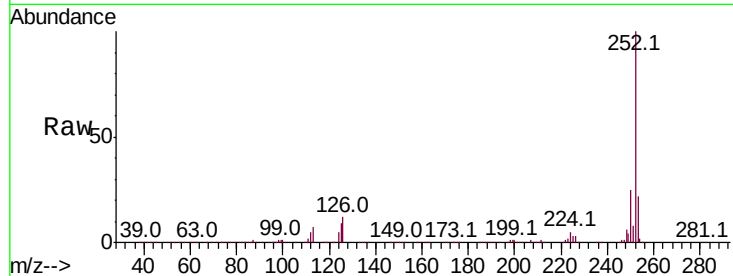
#89
Benzo(a)pyrene
Concen: 32.276 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Instrument :
BNA_F
ClientSampleId :
RA-081618-FL-036MSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.9	17.1	25.7
125	9.4	9.8	14.6

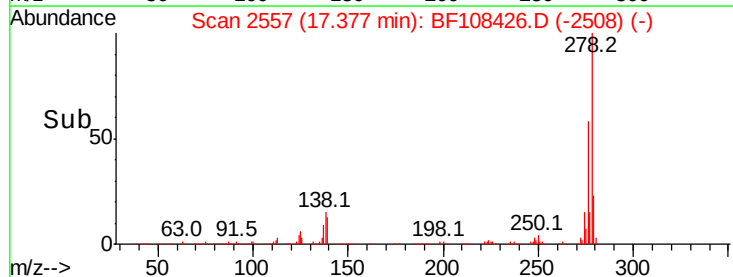
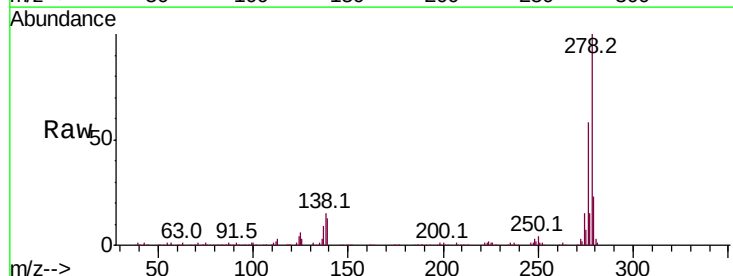
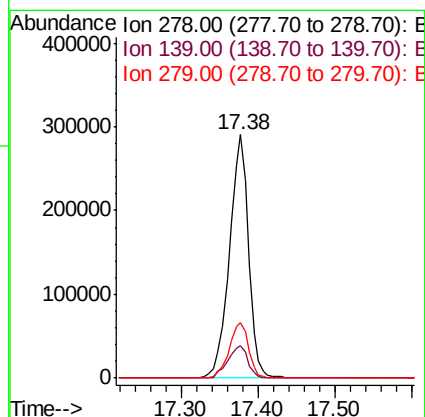
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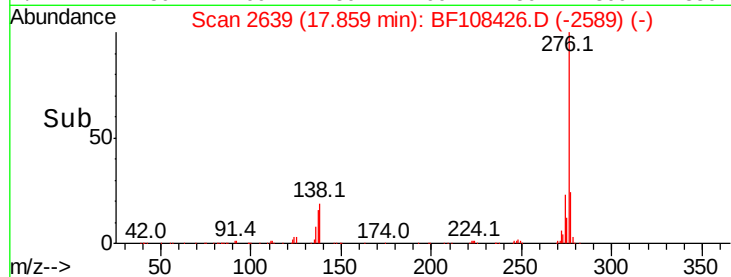
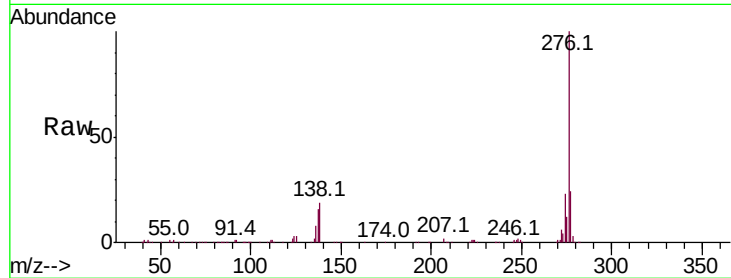
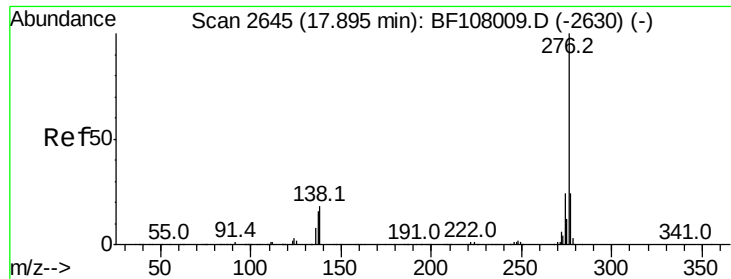
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#90
Dibenzo(a,h)anthracene
Concen: 37.038 ng
RT: 17.38 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF108426.D
Acq: 23 Aug 2018 17:49

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	13.1	15.9	23.9
279	22.8	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 37.462 ng

RT: 17.86 min Scan# 2639

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA_F

ClientSampleId :

RA-081618-FL-036MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.9	26.9
138	19.2	21.8	32.8

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