

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
 Data File : BF110819.D
 Acq On : 16 Nov 2018 16:25
 Operator : JU/SJ
 Sample : J5952-03MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VTW-01(7-10)MSD

Manual Integrations
 APPROVED

Sohil
 11/19/2018 11:55:51 AM

Quant Time: Nov 16 17:38:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	63614	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	256182	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	119971	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	199657	20.00	ng	0.00
76) Chrysene-d12	14.13	240	143395	20.00	ng	0.00
87) Perylene-d12	15.66	264	116240	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	505663	129.12	ng	0.00
7) Phenol-d6	6.57	99	643071	128.41	ng	0.00
23) Nitrobenzene-d5	7.51	82	409822	92.13	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	146592	121.26	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	717680	85.44	ng	0.00
79) Terphenyl-d14	13.06	244	538951	70.39	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.79	88	49341	25.286	ng	86
3) Pyridine	3.59	79	134009	31.816	ng	89
4) n-Nitrosodimethylamine	3.54	42	75611	41.837	ng	90
6) Aniline	6.61	93	129562	19.838	ng	# 54
8) 2-Chlorophenol	6.73	128	173249	37.736	ng	99
9) Benzaldehyde	6.50	77	85215	29.567	ng	93
10) Phenol	6.59	94	220622	37.992	ng	# 65
11) bis(2-Chloroethyl)ether	6.67	93	153051	35.168	ng	95
12) 1,3-Dichlorobenzene	6.88	146	169449	33.732	ng	98
13) 1,4-Dichlorobenzene	6.96	146	174220	34.154	ng	99
14) 1,2-Dichlorobenzene	7.11	146	166593	35.107	ng	99
15) Benzyl Alcohol	7.08	79	149397	38.120	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.20	45	238676	34.923	ng	75
17) 2-Methylphenol	7.19	107	139728	38.241	ng	# 83
18) Hexachloroethane	7.45	117	61789	32.811	ng	96
19) n-Nitroso-di-n-propylamine	7.35	70	117135	36.641	ng	96
20) 3+4-Methylphenols	7.35	107	179172m	38.199	ng	
22) Acetophenone	7.35	105	237631	39.801	ng	96
24) Nitrobenzene	7.53	77	180427	39.587	ng	94
25) Isophorone	7.76	82	314716	43.165	ng	98
26) 2-Nitrophenol	7.84	139	88476	38.912	ng	99
27) 2,4-Dimethylphenol	7.87	122	155257	44.836	ng	99
28) bis(2-Chloroethoxy)methane	7.96	93	196448	39.795	ng	99
29) 2,4-Dichlorophenol	8.08	162	144200	40.471	ng	98
30) 1,2,4-Trichlorobenzene	8.16	180	149551	37.227	ng	95
31) Naphthalene	8.25	128	539147	44.830	ng	100
32) Benzoic acid	7.96	122	9401	3.837	ng	92
33) 4-Chloroaniline	8.30	127	70961	13.026	ng	97
34) Hexachlorobutadiene	8.35	225	80048	34.886	ng	96
35) Caprolactam	8.67	113	41644	34.983	ng	97
36) 4-Chloro-3-methylphenol	8.78	107	156418	40.705	ng	97
37) 2-Methylnaphthalene	8.93	142	353184	44.798	ng	98
38) 1-Methylnaphthalene	9.03	142	330314m	43.566	ng	
40) 1,2,4,5-Tetrachlorobenzene	9.10	216	138084	36.361	ng	99

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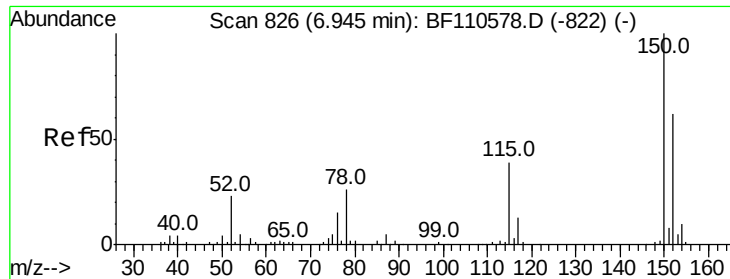
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.08	237	11050	14.376	ng	95
43) 2,4,6-Trichlorophenol	9.22	196	96581	40.472	ng	98
44) 2,4,5-Trichlorophenol	9.26	196	100639	39.535	ng	95
46) 1,1'-Biphenyl	9.40	154	399593	35.705	ng	99
47) 2-Chloronaphthalene	9.43	162	301367	37.377	ng	99
48) 2-Nitroaniline	9.53	65	102078	41.084	ng	94
49) Acenaphthylene	9.85	152	493546	42.505	ng	98
50) Dimethylphthalate	9.70	163	452404	50.537	ng	100
51) 2,6-Dinitrotoluene	9.77	165	78865	40.048	ng	96
52) Acenaphthene	10.02	154	287285	39.150	ng	98
53) 3-Nitroaniline	9.95	138	60969	26.724	ng	91
54) 2,4-Dinitrophenol	10.07	184	6381	12.358	ng	92
55) Dibenzofuran	10.19	168	413244	38.491	ng	96
56) 4-Nitrophenol	10.11	139	104320	68.922	ng	97
57) 2,4-Dinitrotoluene	10.18	165	99223	38.752	ng	94
58) Fluorene	10.53	166	347243	42.108	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.31	232	79358	39.629	ng	94
60) Diethylphthalate	10.39	149	348321	39.330	ng	99
61) 4-Chlorophenyl-phenylether	10.52	204	152832	35.794	ng	96
62) 4-Nitroaniline	10.56	138	73297	31.904	ng	96
63) Azobenzene	10.68	77	309409	35.809	ng	97
65) 4,6-Dinitro-2-methylphenol	10.60	198	10246	10.182	ng	88
66) n-Nitrosodiphenylamine	10.64	169	284578	42.286	ng	98
67) 4-Bromophenyl-phenylether	11.01	248	86347	39.131	ng	# 90
68) Hexachlorobenzene	11.09	284	86622	37.234	ng	96
69) Atrazine	11.16	200	87818	42.678	ng	97
70) Pentachlorophenol	11.29	266	66329	53.432	ng	95
71) Phenanthrene	11.50	178	682933	63.846	ng	100
72) Anthracene	11.56	178	501357	46.464	ng	99
73) Carbazole	11.71	167	376308	36.314	ng	99
74) Di-n-butylphthalate	12.02	149	485783	39.976	ng	99
75) Fluoranthene	12.70	202	711040	66.303	ng	99
77) Benzidine	12.82	184	120081	30.451	ng	97
78) Pyrene	12.93	202	709525	64.262	ng	98
80) Butylbenzylphthalate	13.53	149	169774	35.725	ng	96
81) Benzo(a)anthracene	14.12	228	514524	60.032	ng	98
82) 3,3'-Dichlorobenzidine	14.07	252	91574	31.894	ng	98
83) Chrysene	14.16	228	465290	56.983	ng	99
84) Bis(2-ethylhexyl)phthalate	14.07	149	239389	40.607	ng	96
85) Di-n-octyl phthalate	14.69	149	413355	47.681	ng	99
86) Indeno(1,2,3-cd)pyrene	17.24	276	268283	45.786	ng	99
88) Benzo(b)fluoranthene	15.21	252	434231	62.444	ng	99
89) Benzo(k)fluoranthene	15.24	252	341161	49.651	ng	99
90) Benzo(a)pyrene	15.60	252	374934	59.343	ng	98
91) Dibenzo(a,h)anthracene	17.24	278	192673	36.036	ng	99
92) Benzo(g,h,i)perylene	17.72	276	229575	43.276	ng	99

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



#1

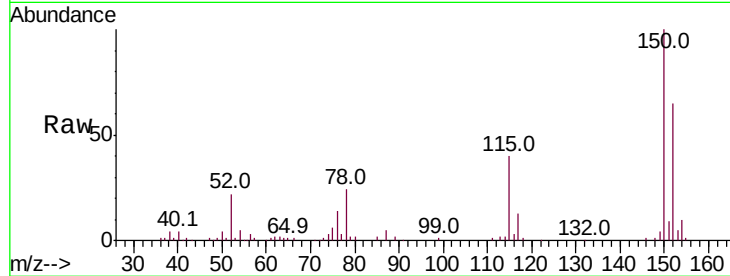
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	122.7	184.1
115	61.7	49.1	73.7

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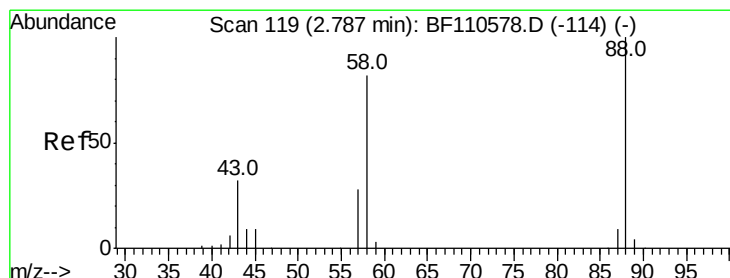
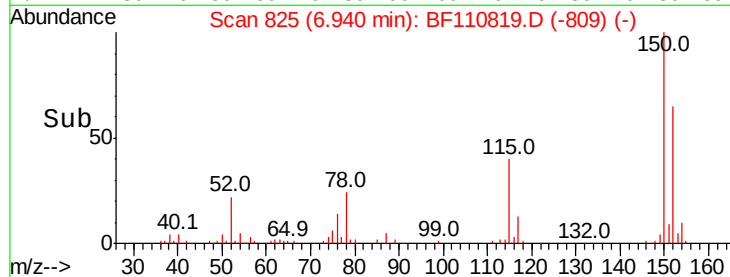
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

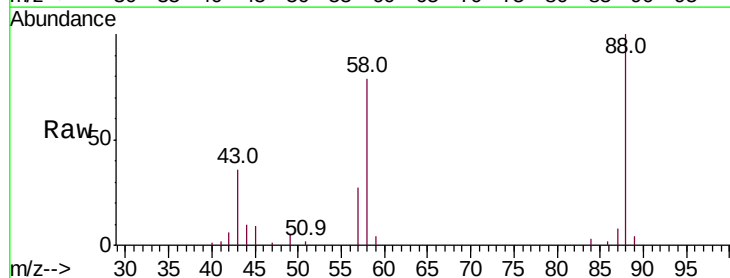
Time-->



#2

1,4-Dioxane
Concen: 25.286 ng
RT: 2.79 min Scan# 120
Delta R.T. 0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Lower	Upper
88	100		
58	84.9	57.1	85.7
43	34.9	24.1	36.1



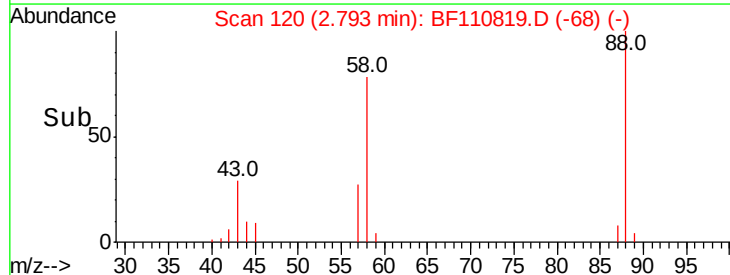
Abundance

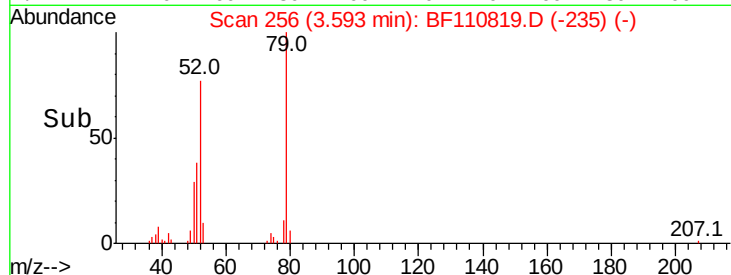
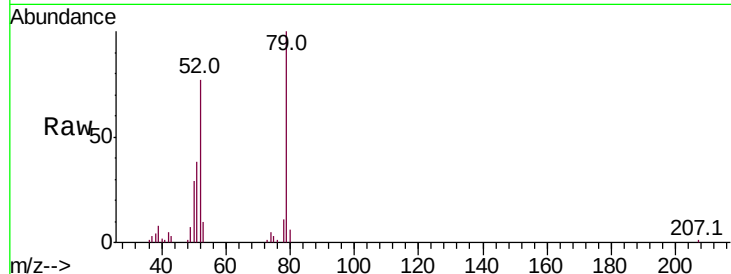
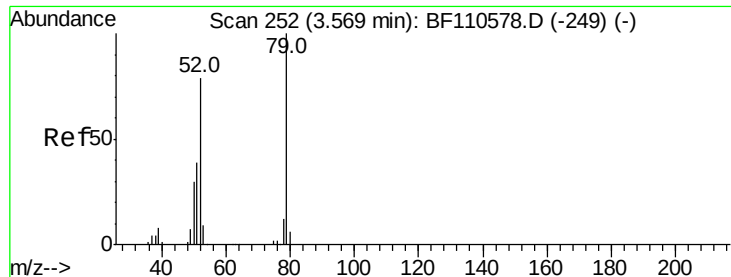
Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1

Time-->





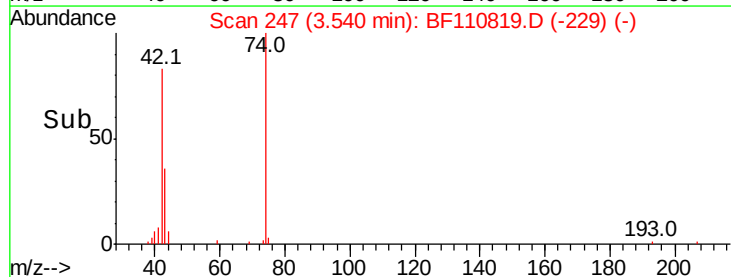
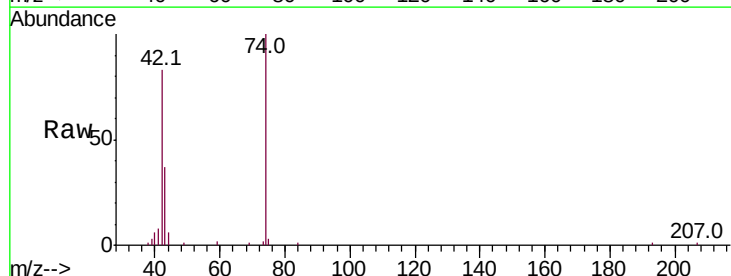
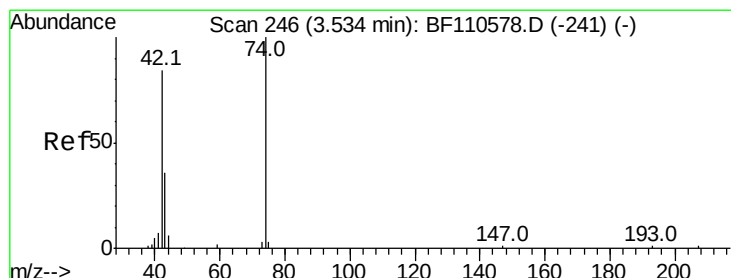
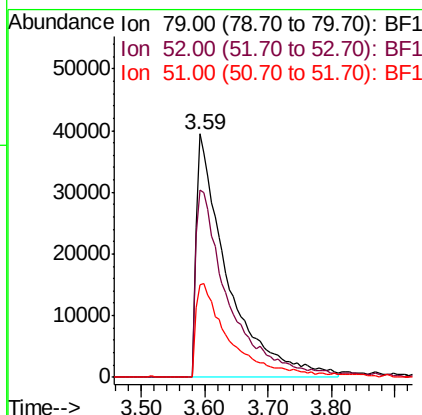
#3
Pvridine
Concen: 31.816 ng
RT: 3.59 min Scan# 256
Delta R.T. 0.02 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tot Ion: 79 Resp: 134009
Ion Ratio Lower Upper
79 100
52 77.1 53.1 79.7
51 38.3 27.4 41.2

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

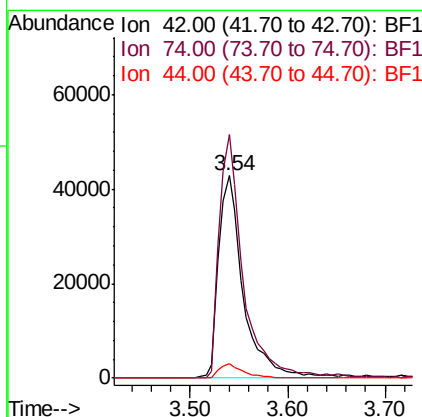
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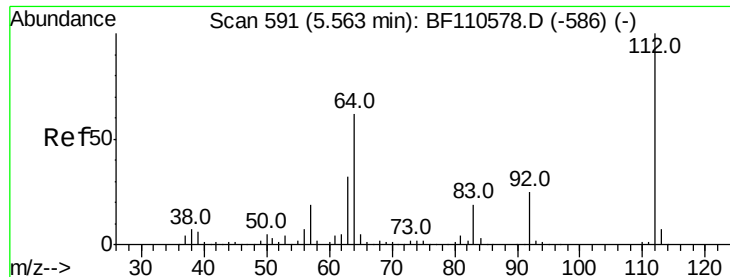
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#4
n-Nitrosodimethylamine
Concen: 41.837 ng
RT: 3.54 min Scan# 247
Delta R.T. 0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion: 42 Resp: 75611
Ion Ratio Lower Upper
42 100
74 120.2 105.5 158.3
44 7.1 4.9 7.3





#5

2-Fluorophenol

Concen: 129.116 ng

RT: 5.56 min Scan# 591

Delta R.T. 0.00 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Instrument :

BNA_F

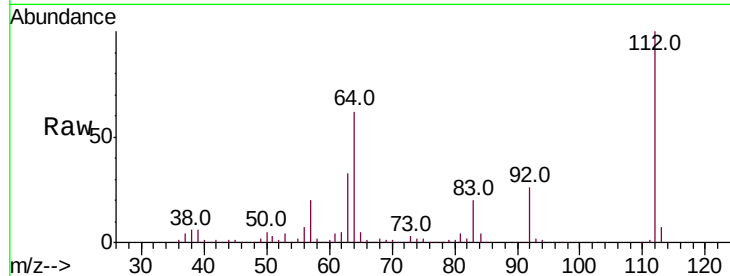
ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:	112	Resp:	505663
Ion Ratio	Lower	Upper	
112	100		
64	61.7	44.1	66.1
63	33.4	23.7	35.5

Manual Integrations
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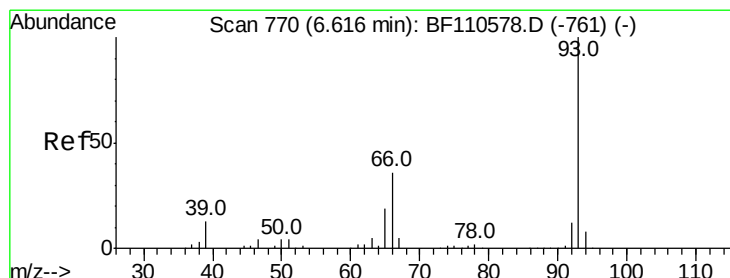
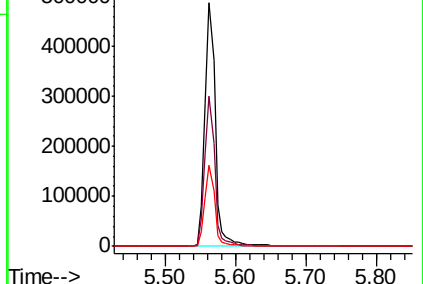
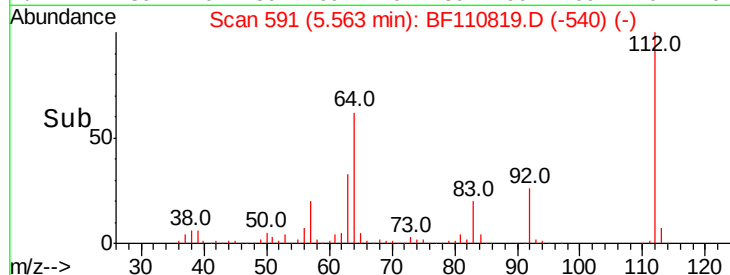
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 19.838 ng

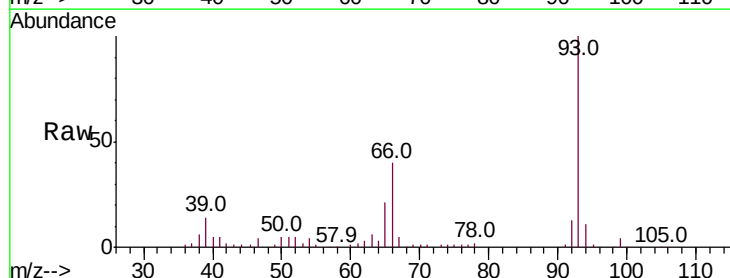
RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

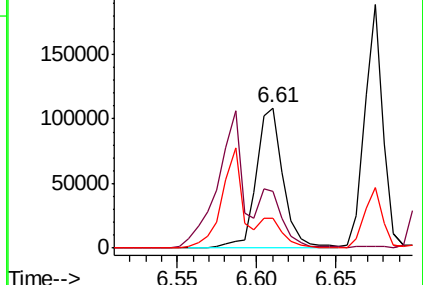
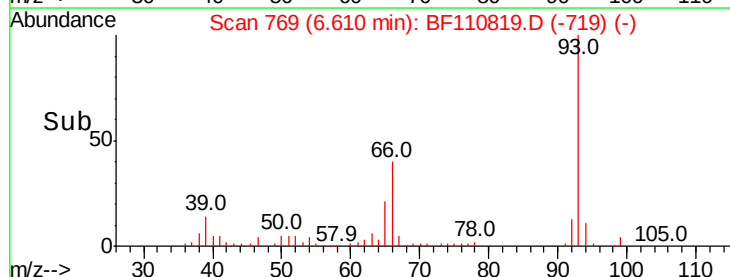
Tgt Ion:	93	Resp:	129562
Ion Ratio	Lower	Upper	
93	100		
66	40.0	67.4	101.0#
65	21.3	41.0	61.4#

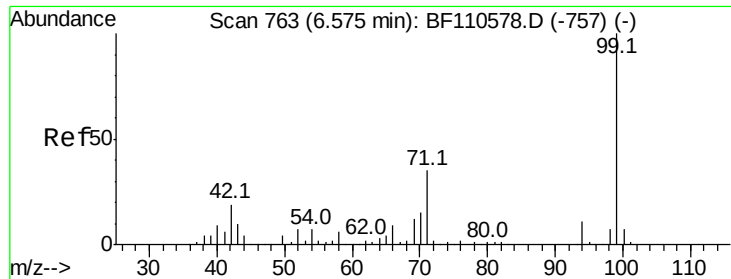


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 128.407 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Instrument :

BNA_F

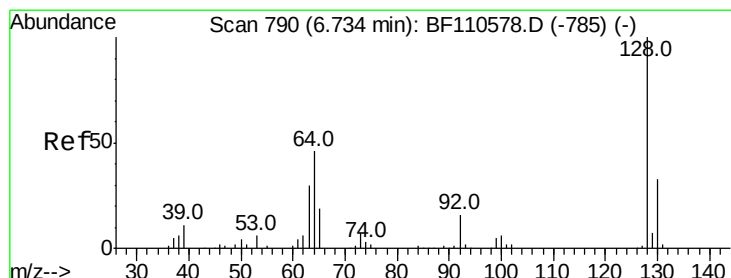
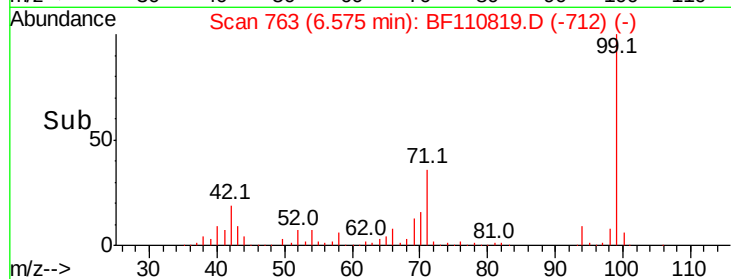
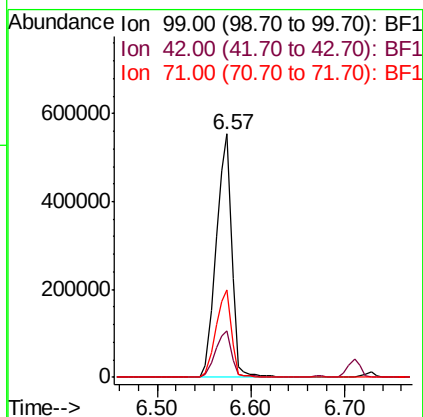
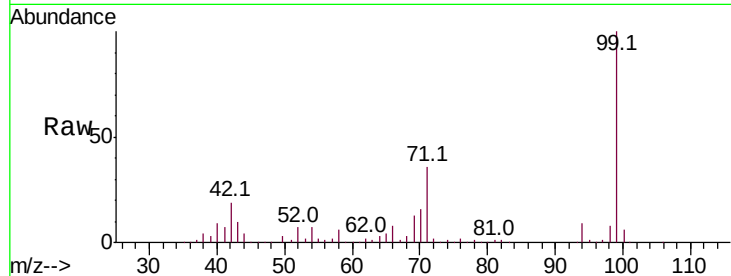
ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:	99	Resp:	643071
Ion Ratio	Lower	Upper	
99	100		
42	19.3	15.8	23.6
71	35.8	28.0	42.0

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#8

2-Chlorophenol

Concen: 37.736 ng

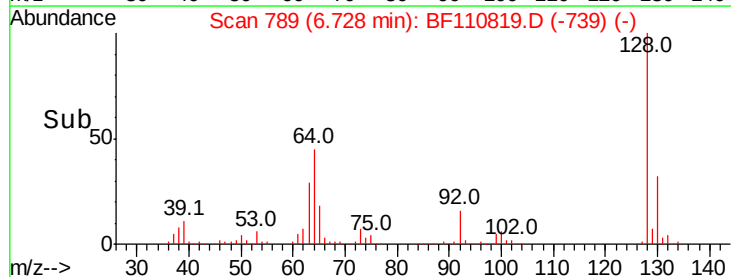
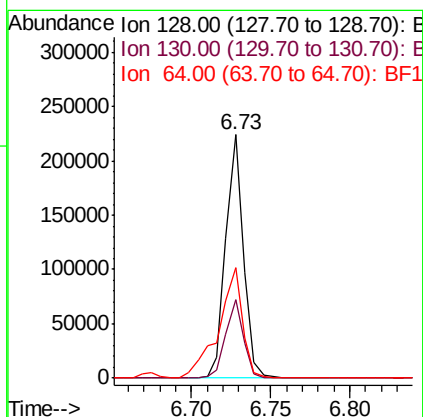
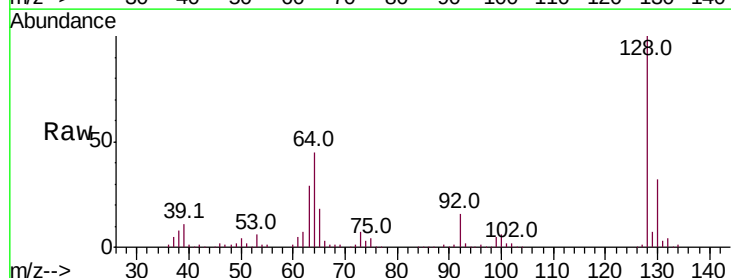
RT: 6.73 min Scan# 789

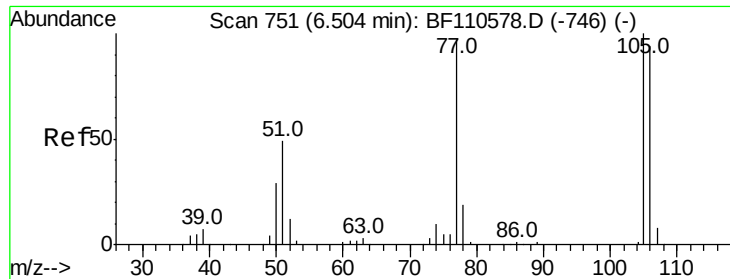
Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Tgt Ion:	128	Resp:	173249
Ion Ratio	Lower	Upper	
128	100		
130	32.1	13.1	53.1
64	45.3	26.0	66.0





#9

Benzaldehyde

Concen: 29.567 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Instrument :

BNA_F

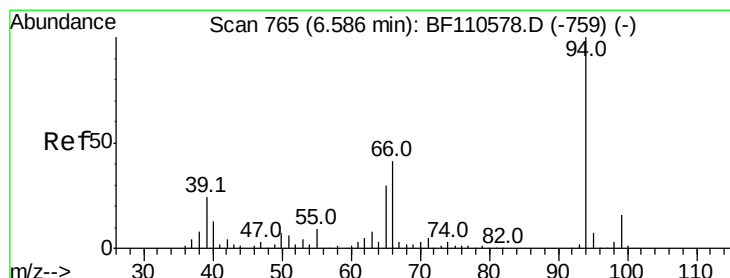
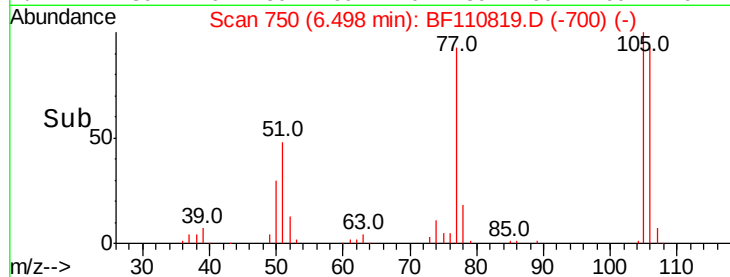
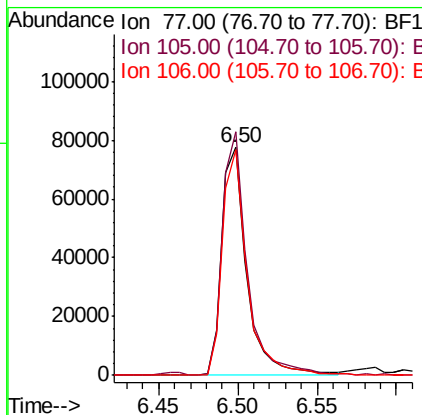
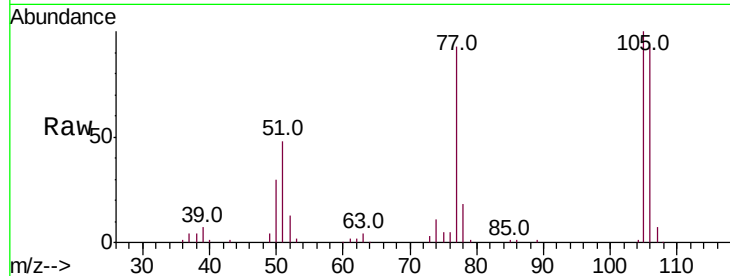
ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:	77	Resp:	85215
Ion	Ratio	Lower	Upper
77	100		
105	107.0	78.6	118.6
106	99.4	74.8	114.8

Manual Integrations
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#10

Phenol

Concen: 37.992 ng

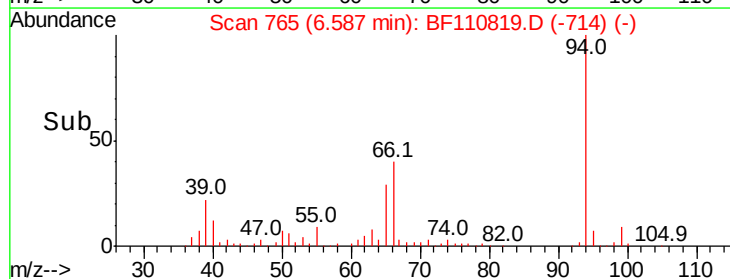
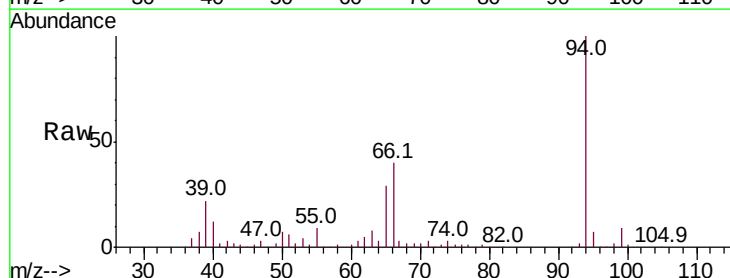
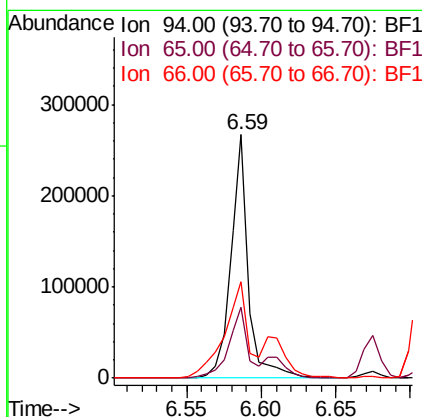
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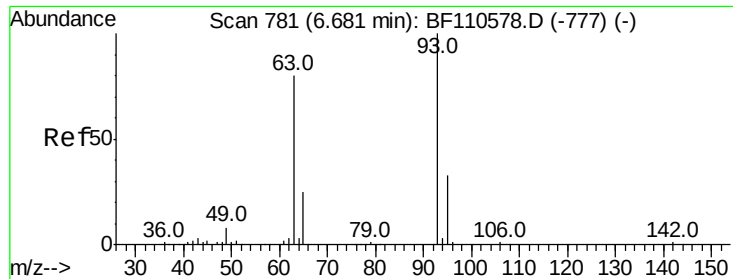
Delta R.T. 0.00 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Tgt Ion:	94	Resp:	220622
Ion	Ratio	Lower	Upper
94	100		
65	29.2	25.3	65.3
66	39.8	54.5	94.5#





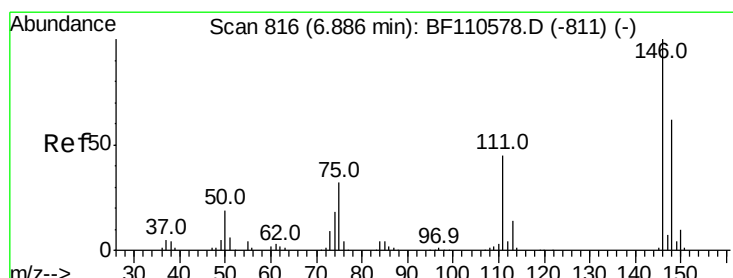
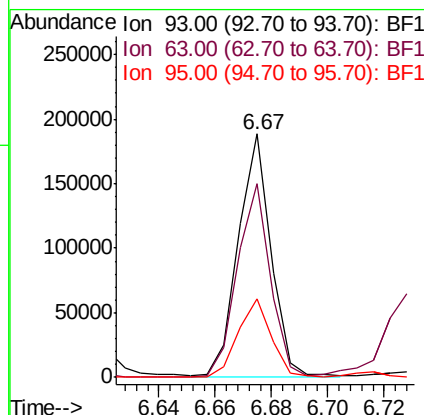
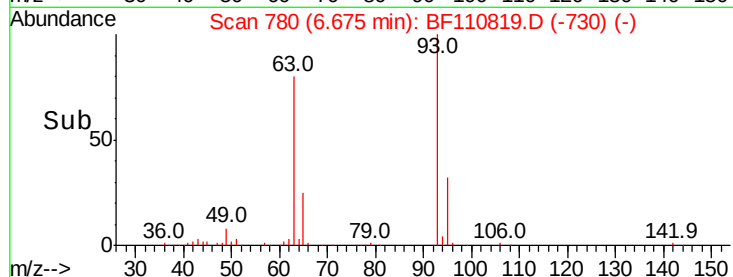
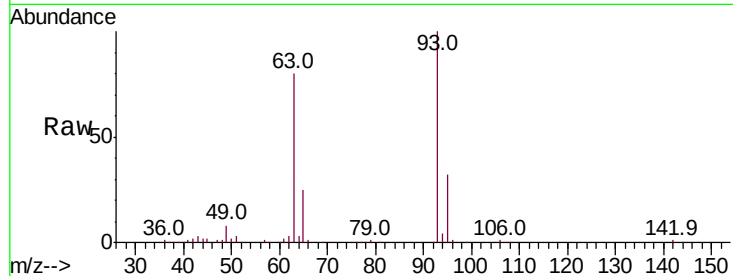
#11
bis(2-Chloroethyl)ether
Concen: 35.168 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion:	93	Resp:	153051
Ion Ratio	Lower	Upper	
93	100		
63	79.6	53.4	93.4
95	32.3	12.1	52.1

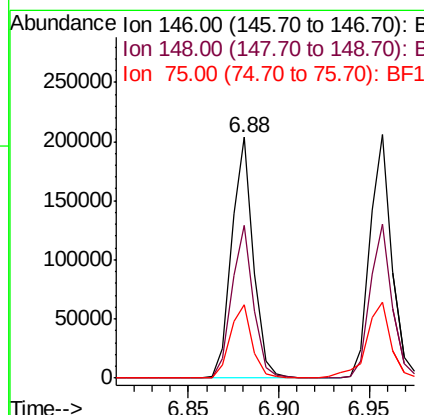
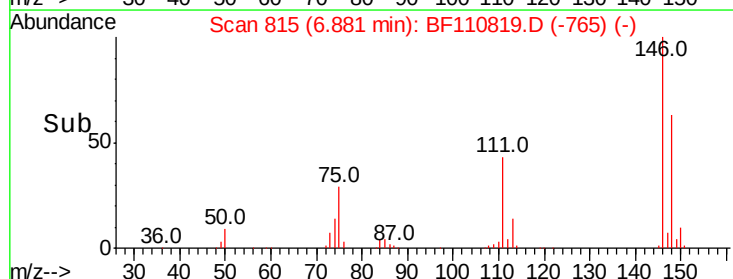
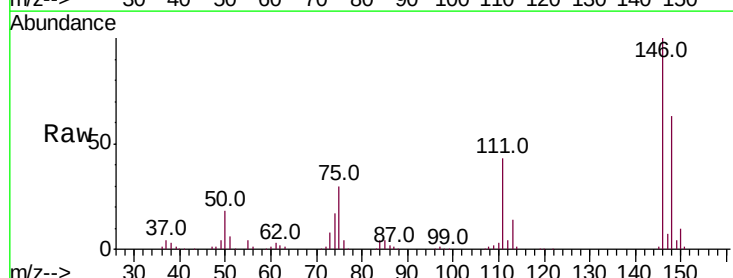
Manual Integrations
APPROVED

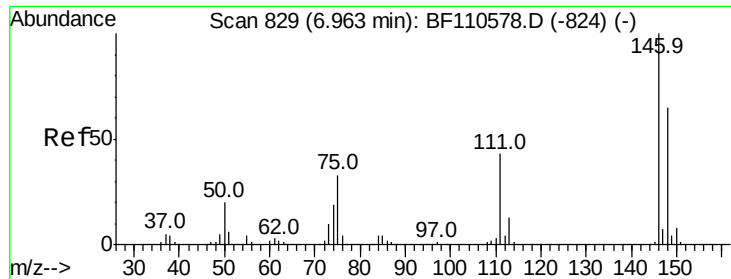
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#12
1,3-Dichlorobenzene
Concen: 33.732 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion:	146	Resp:	169449
Ion Ratio	Lower	Upper	
146	100		
148	63.5	50.4	75.6
75	30.3	25.8	38.6





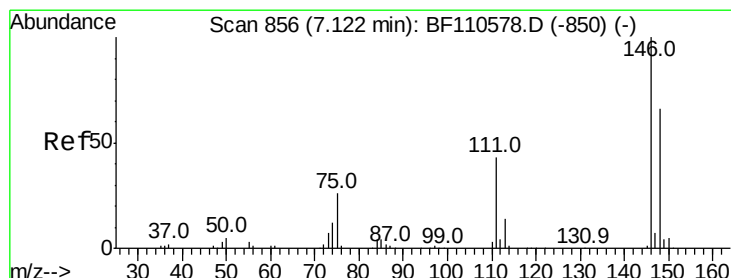
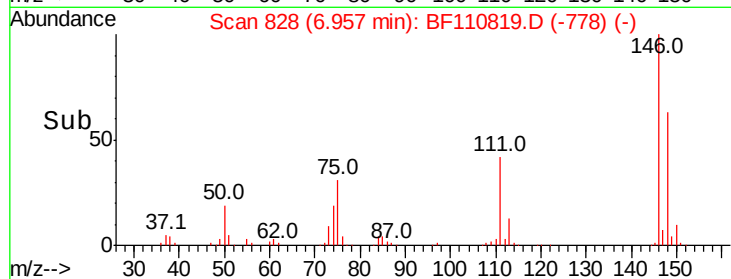
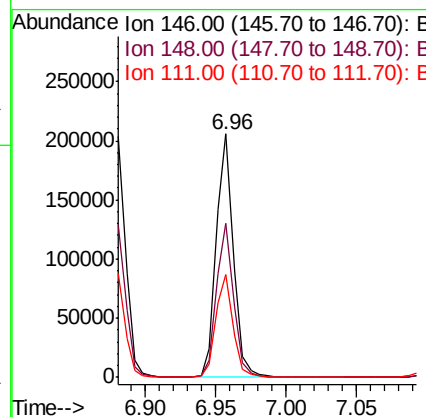
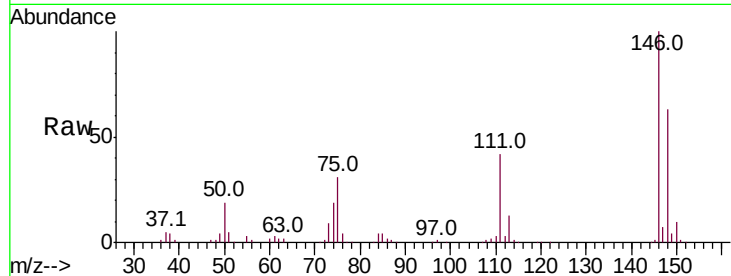
#13
 1,4-Dichlorobenzene
 Concen: 34.154 ng
 RT: 6.96 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF110819.D
 Acq: 16 Nov 2018 16:25

Instrument :
 BNA_F
 ClientSampleId :
 VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.3	75.5
111	42.4	32.7	49.1

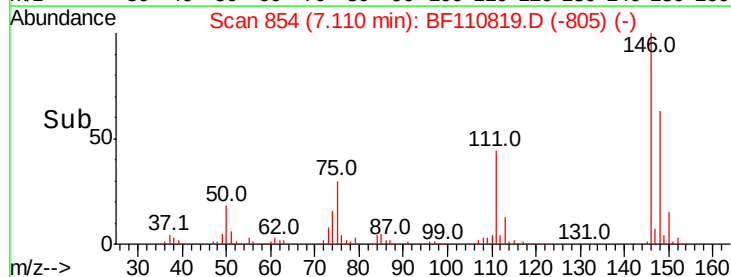
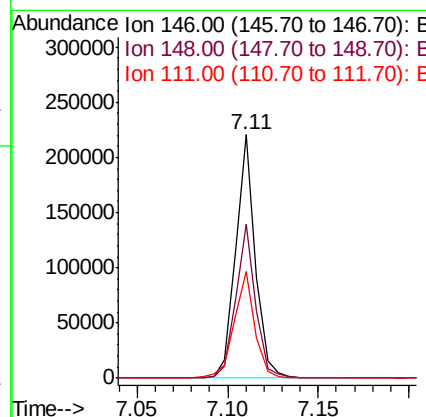
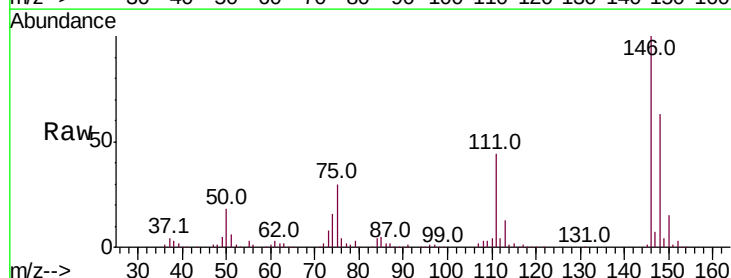
Manual Integrations
 APPROVED

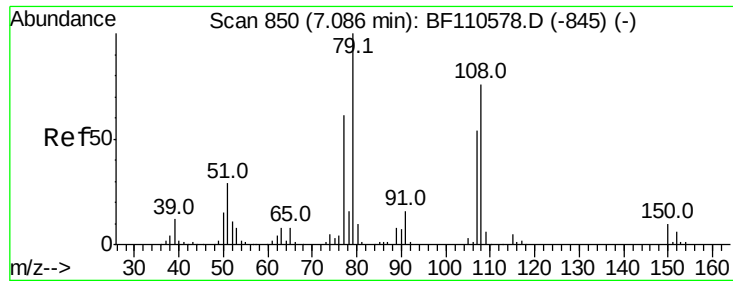
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#14
 1,2-Dichlorobenzene
 Concen: 35.107 ng
 RT: 7.11 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: BF110819.D
 Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.1	76.7
111	44.0	35.8	53.6





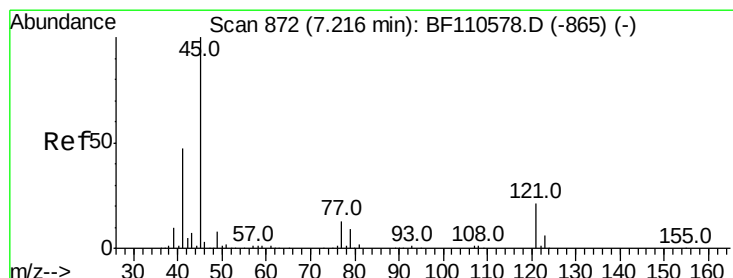
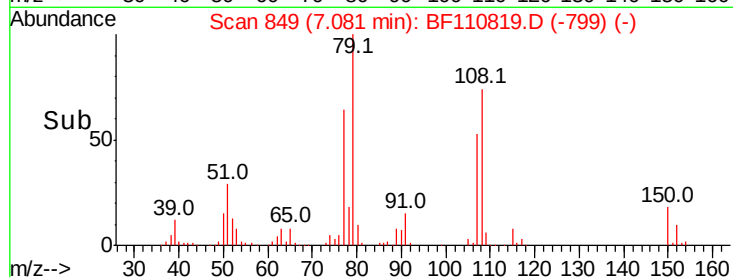
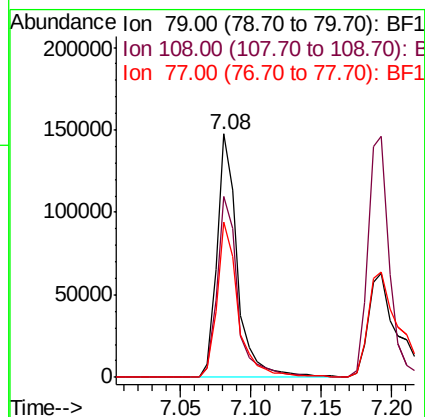
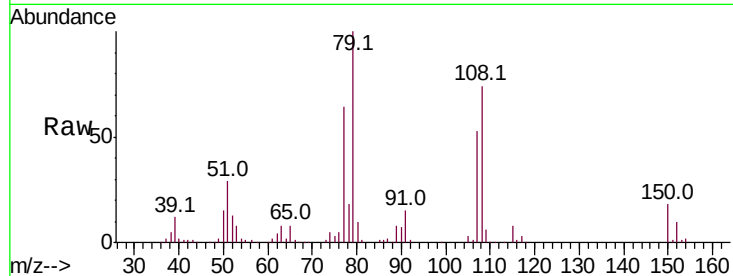
#15
Benzyl Alcohol
Concen: 38.120 ng
RT: 7.08 min Scan# 849
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	74.1	56.3	84.5
77	63.8	52.9	79.3

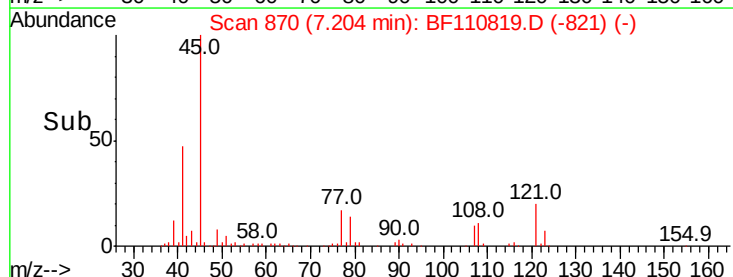
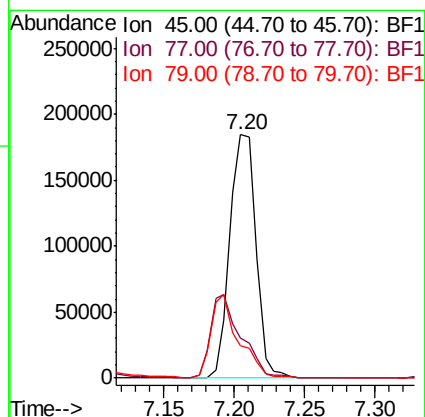
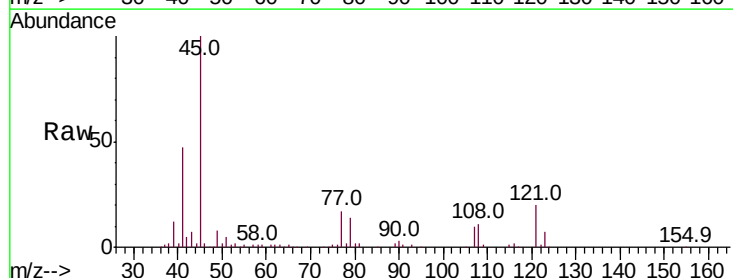
Manual Integrations
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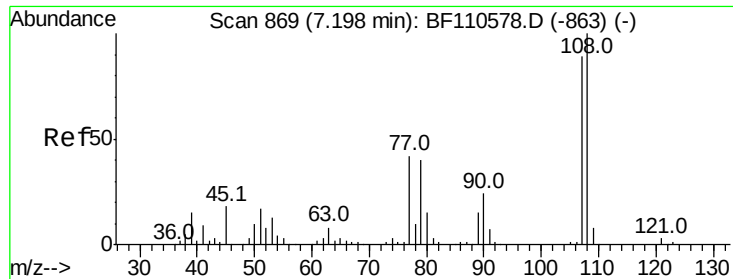
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#16
2,2'-oxybis(1-chloropropane)
Concen: 34.923 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Lower	Upper
45	100		
77	16.7	10.0	50.0
79	13.5	6.1	46.1





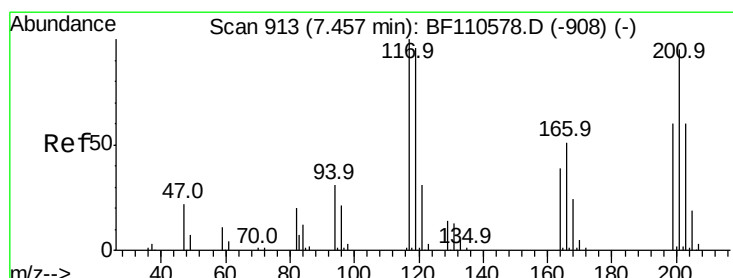
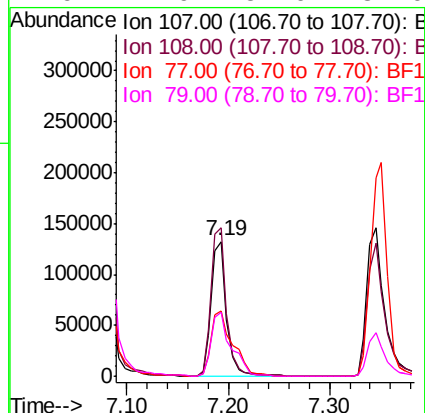
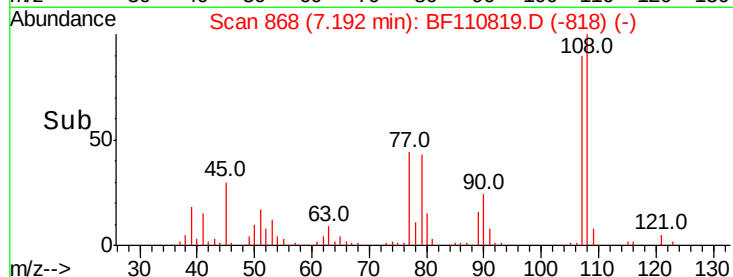
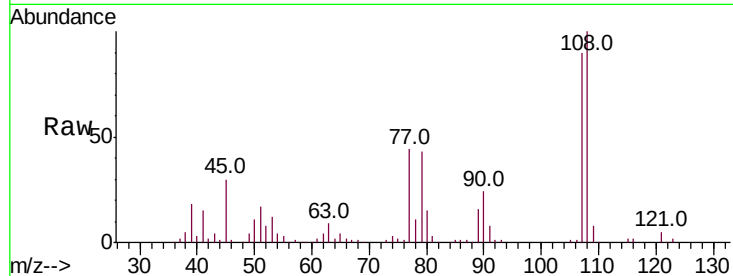
#17
2-Methylphenol
Concen: 38.241 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	110.6	92.6	138.8
77	48.1	59.4	89.2#
79	47.9	54.0	81.0#

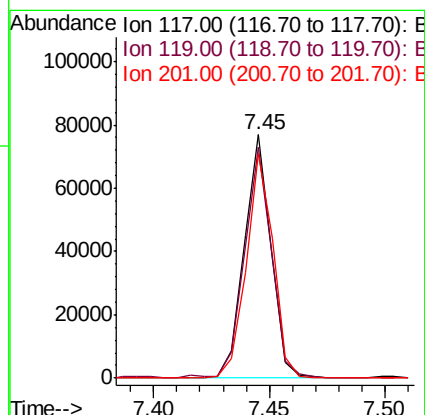
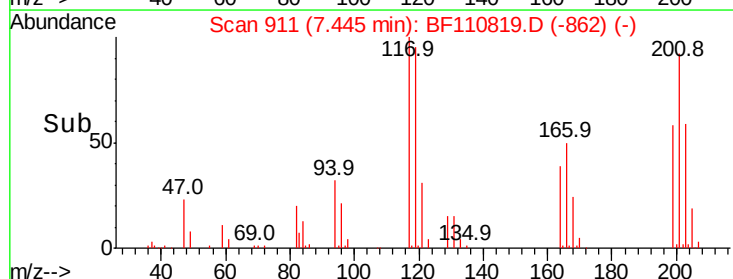
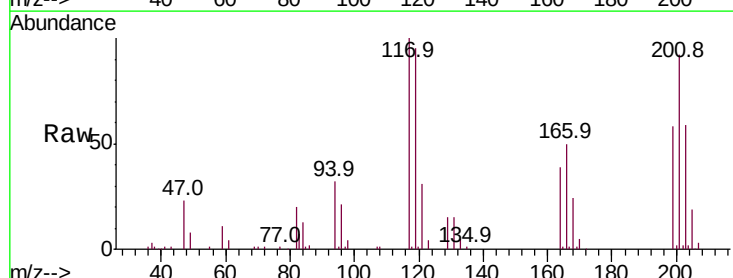
Manual Integrations
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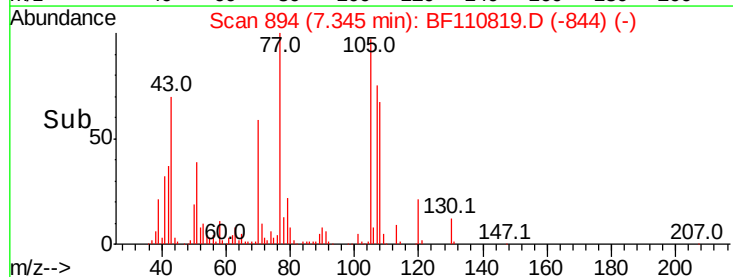
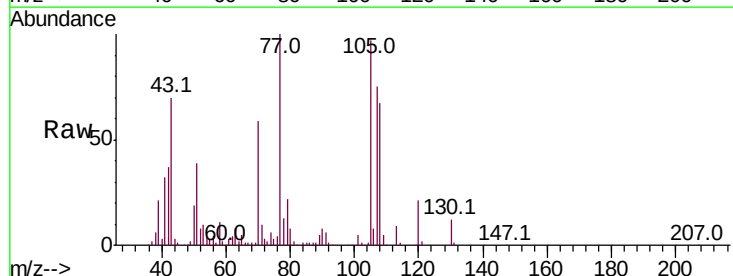
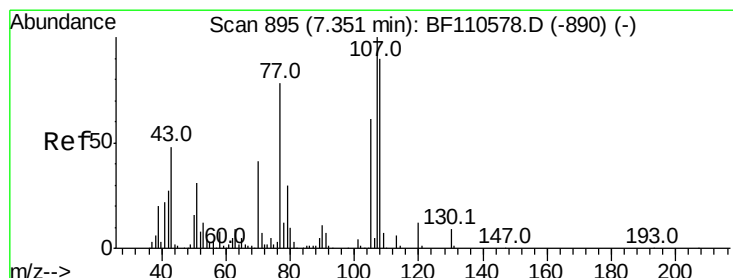
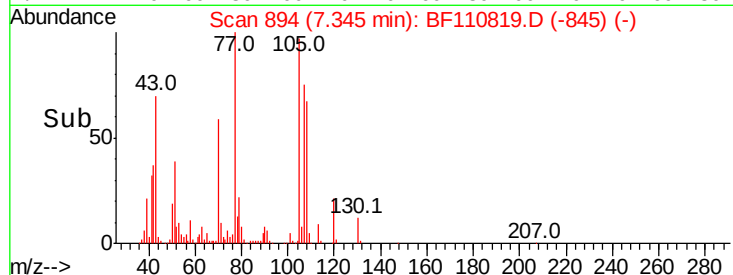
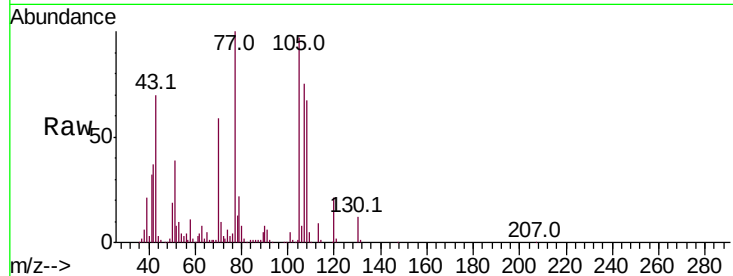
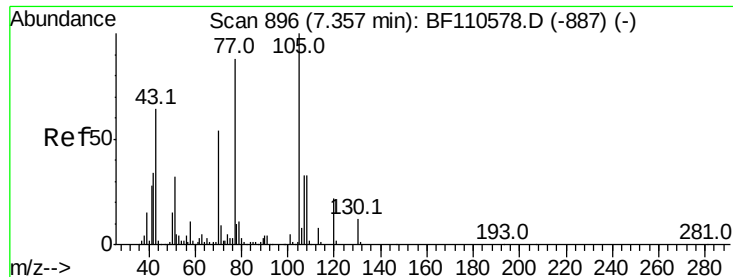
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#18
Hexachloroethane
Concen: 32.811 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

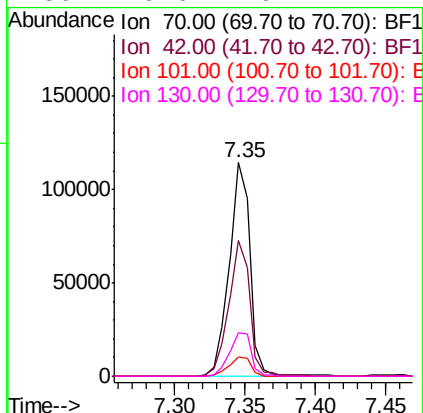
Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.0	112.6
201	92.2	79.2	118.8





#19
n-Nitroso-di-n-propylamine
Concen: 36.641 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tot Ion	Ratio	Lower	Upper
70	100		
42	63.6	47.4	71.2
101	9.3	7.3	10.9
130	20.6	16.2	24.2



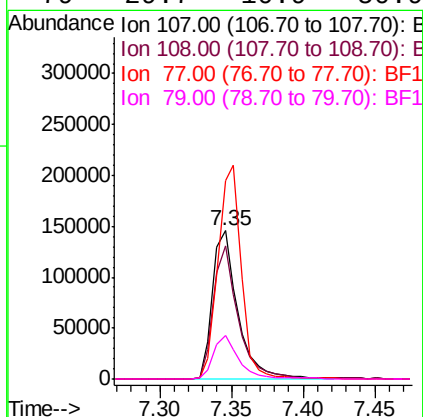
Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

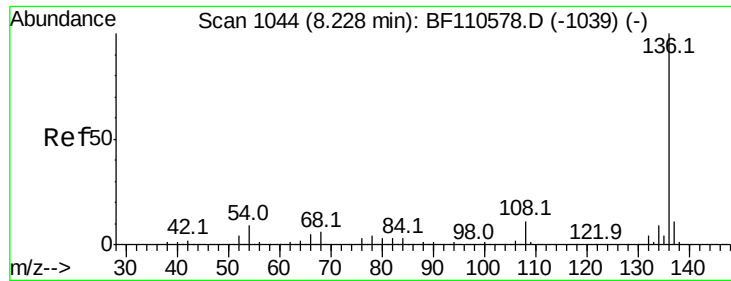
Manual Integrations
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#20
3+4-Methylphenols
Concen: 38.199 ng m
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.3	71.4	111.4
77	134.1	47.3	87.3#
79	29.7	10.9	50.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Instrument :

BNA_F

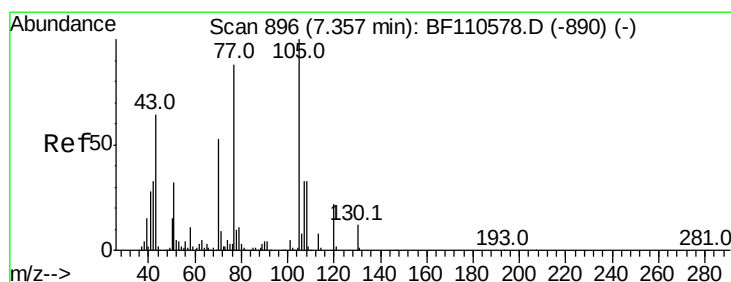
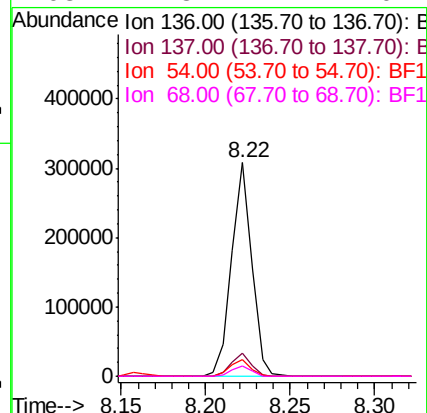
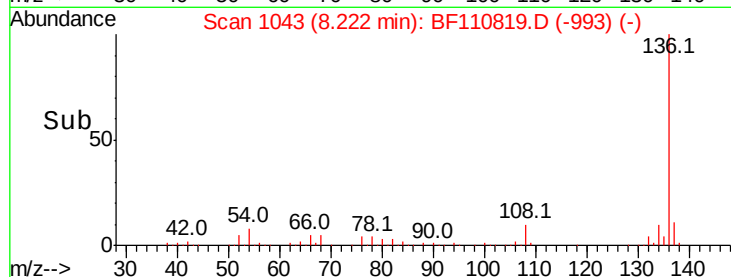
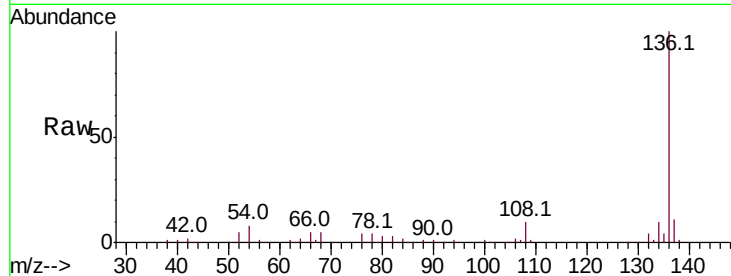
ClientSampleId :

VTW-01(7-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	256182		
137	10.6		8.8	13.2
54	7.8		5.4	8.2
68	4.8		4.2	6.2

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#22

Acetophenone

Concen: 39.801 ng

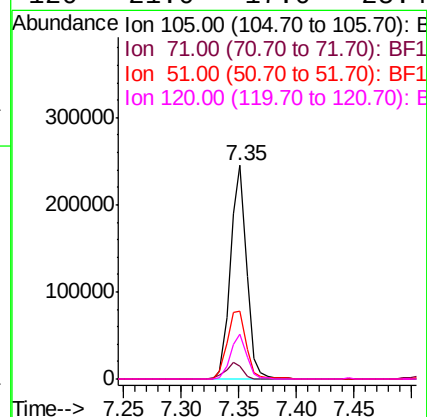
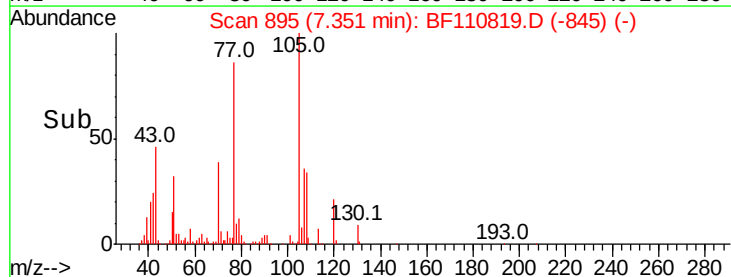
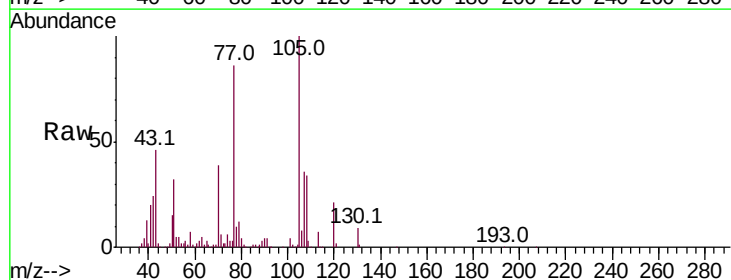
RT: 7.35 min Scan# 895

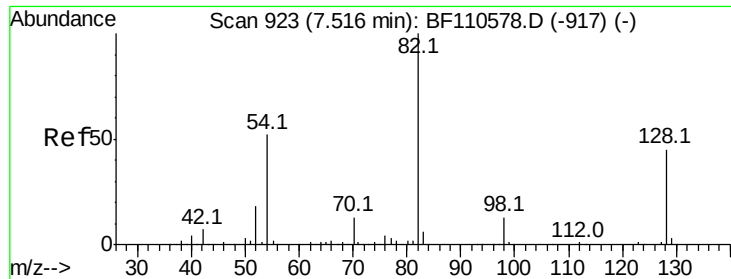
Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	237631		
71	6.1		5.2	7.8
51	31.6		21.8	32.8
120	21.0		17.0	25.4





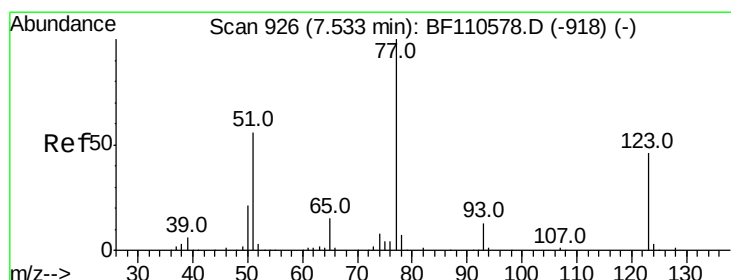
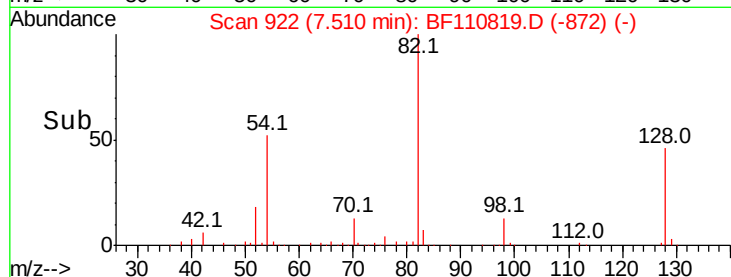
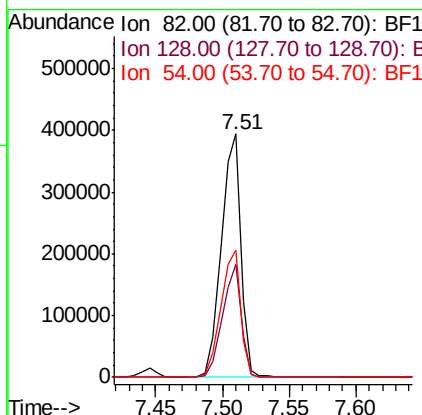
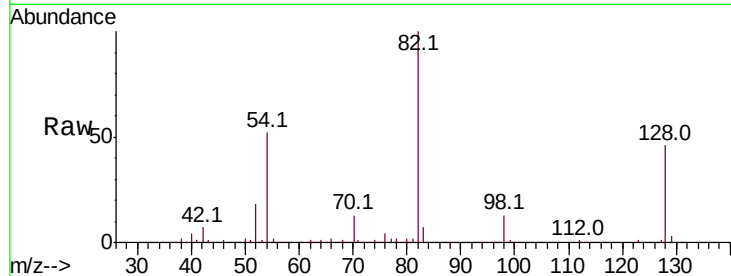
#23
 Nitrobenzene-d5
 Concen: 92.128 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110819.D
 Acq: 16 Nov 2018 16:25

Instrument :
 BNA_F
 ClientSampleId :
 VTW-01(7-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.4	34.2	51.2	
54	52.1	38.6	58.0	

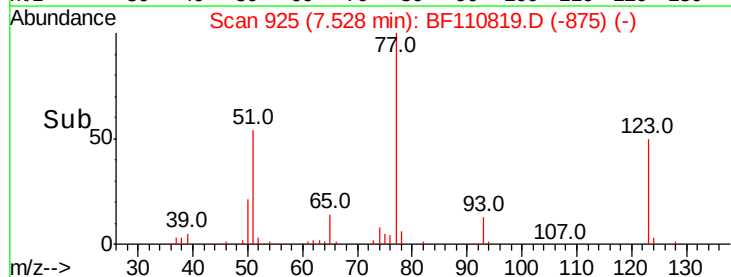
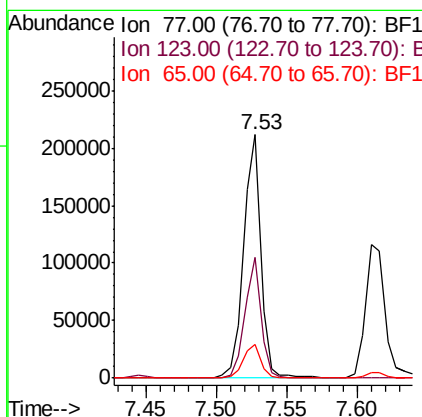
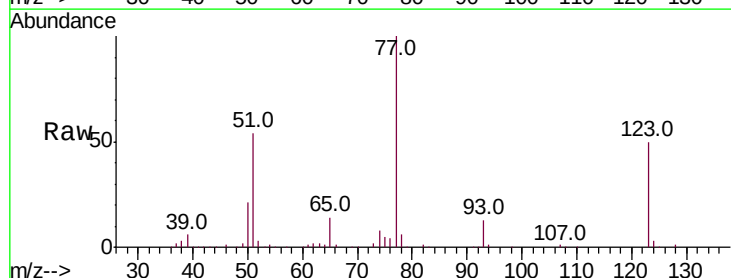
Manual Integrations
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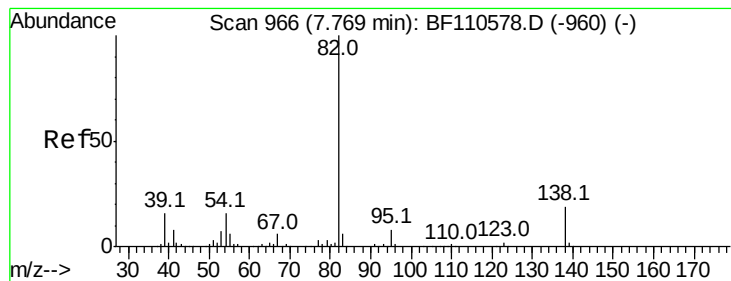
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#24
 Nitrobenzene
 Concen: 39.587 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF110819.D
 Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	49.6	35.7	53.5	
65	14.0	10.7	16.1	





#25

Isophorone

Concen: 43.165 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Instrument :

BNA_F

ClientSampleId :

VTW-01(7-10)MSD

Tot Ion: 82 Resp: 314716

Ion Ratio Lower Upper

82 100

95 7.6 5.7 8.5

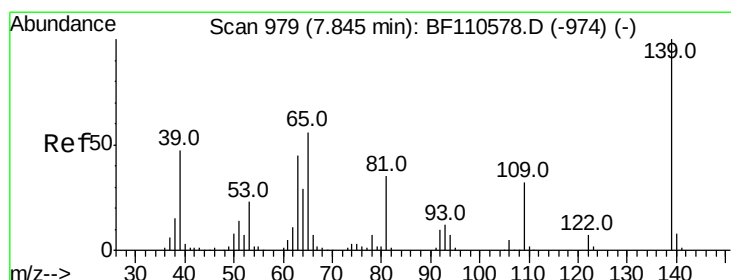
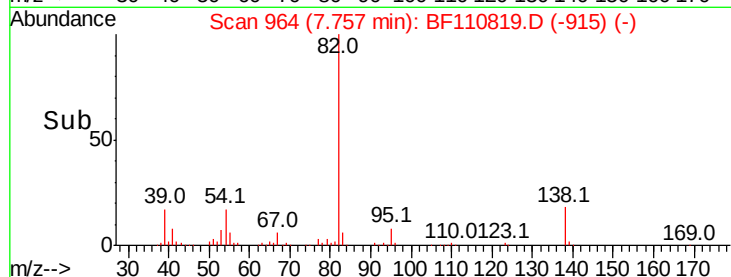
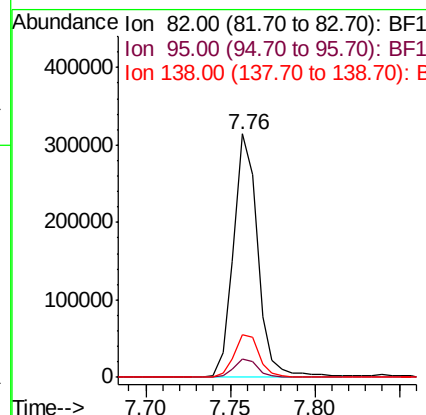
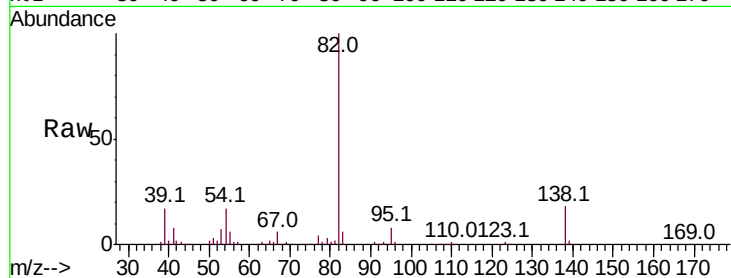
138 17.7 13.2 19.8

Manual Integrations

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#26

2-Nitrophenol

Concen: 38.912 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

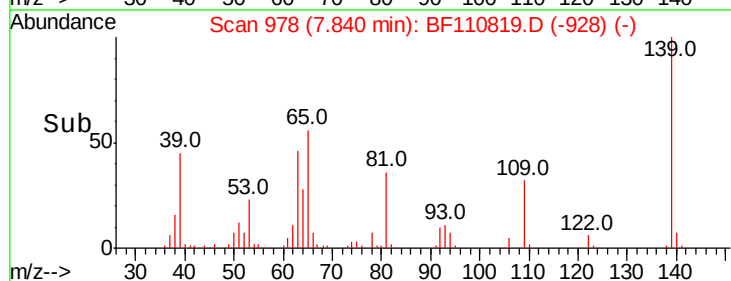
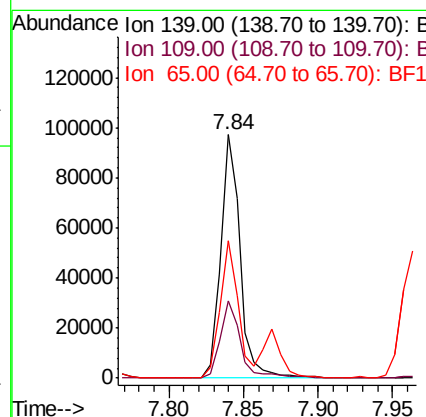
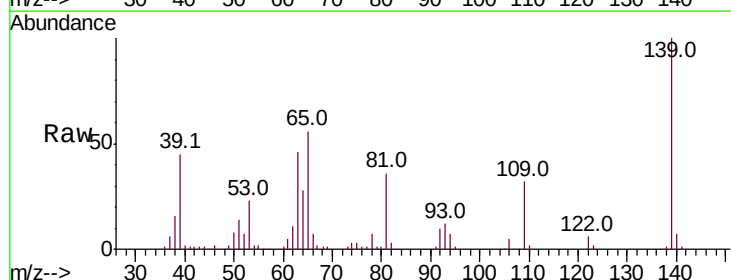
Tgt Ion: 139 Resp: 88476

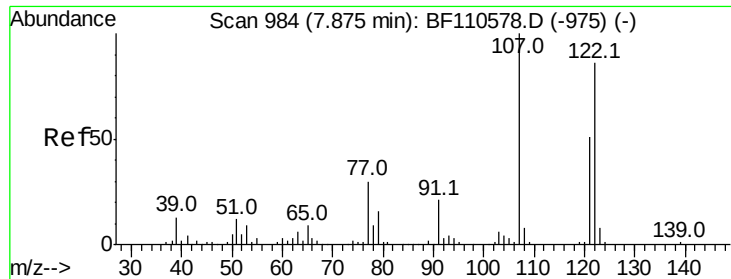
Ion Ratio Lower Upper

139 100

109 31.8 25.0 37.6

65 56.2 44.0 66.0





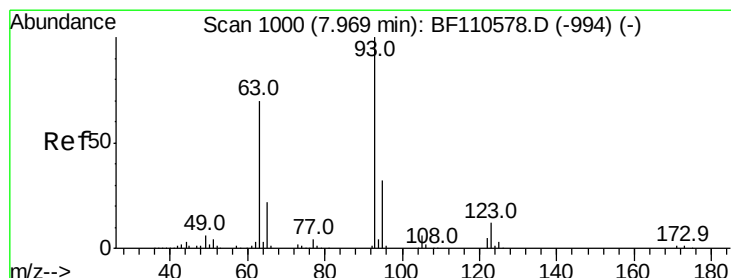
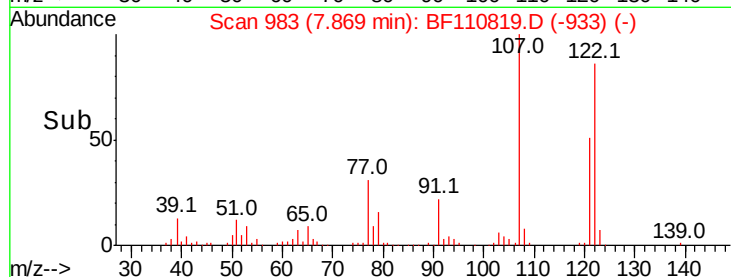
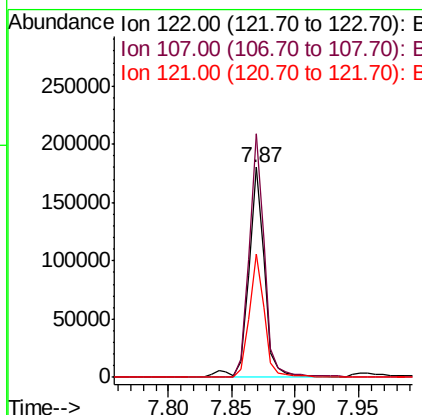
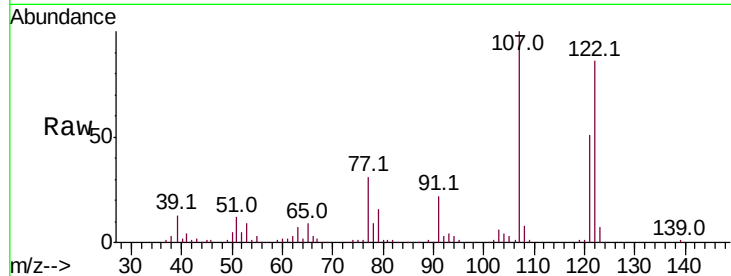
#27
2,4-Dimethylphenol
Concen: 44.836 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	116.0	92.5	138.7
121	58.9	45.8	68.8

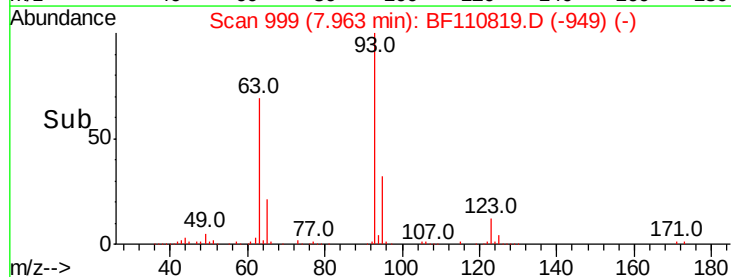
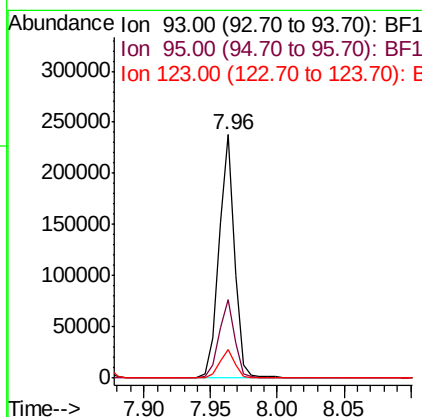
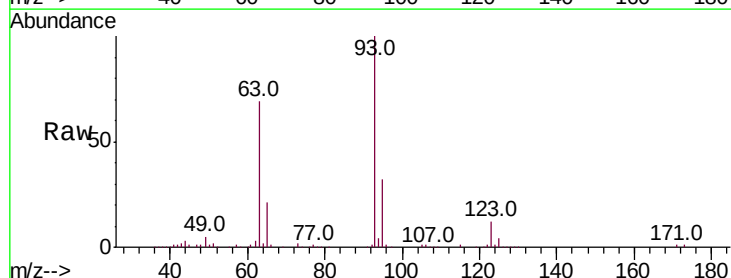
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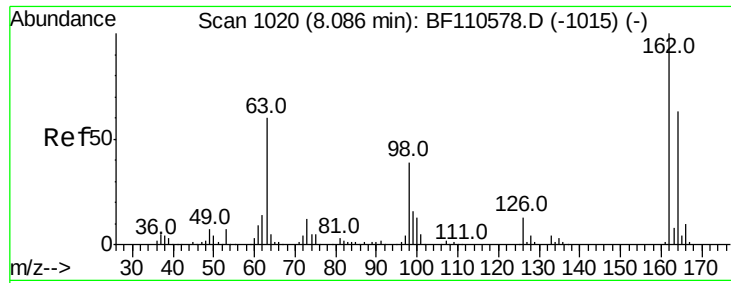
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#28
bis(2-Chloroethoxy)methane
Concen: 39.795 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.4	39.6
123	11.6	9.0	13.6





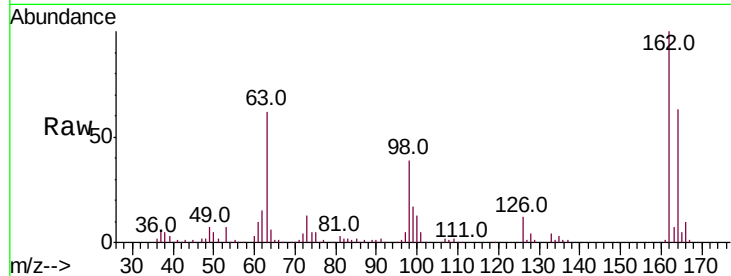
#29
2,4-Dichlorophenol
Concen: 40.471 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

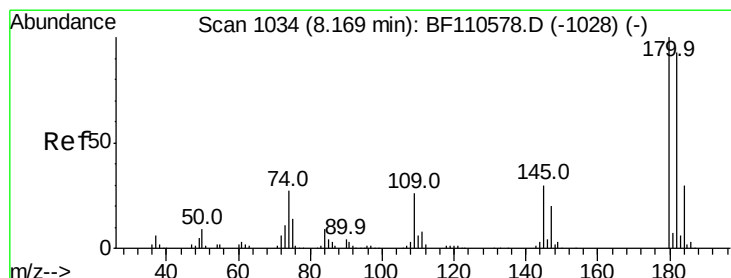
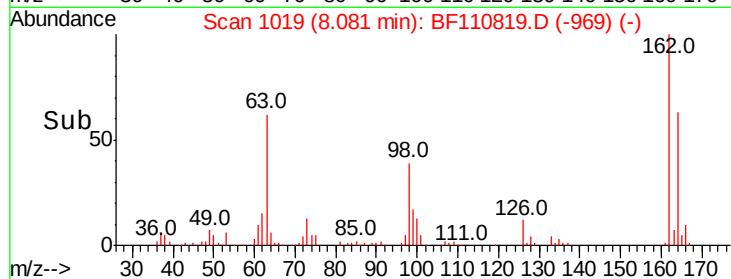
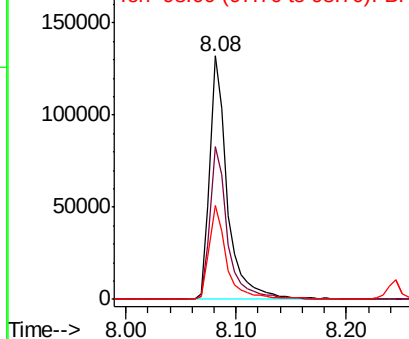
Tot Ion:	162	Resp:	144200
Ion Ratio	Lower	Upper	
162	100		
164	62.7	44.6	84.6
98	38.7	17.4	57.4

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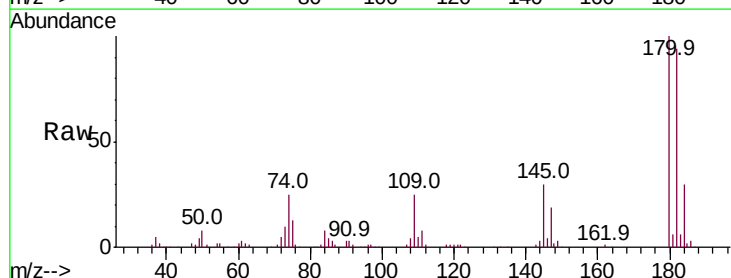


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

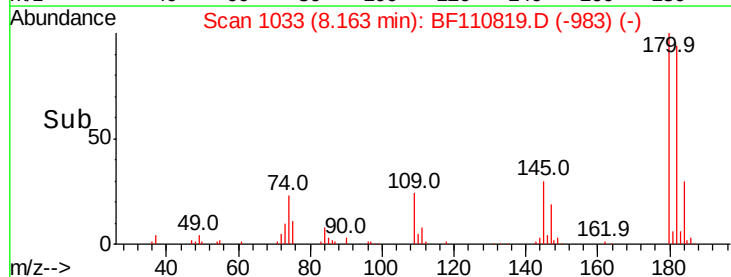
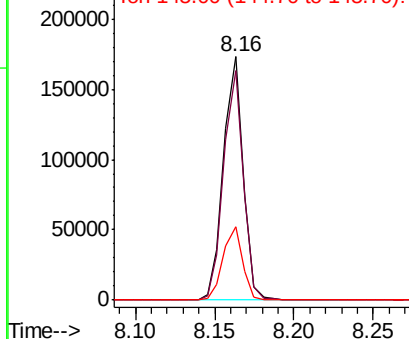


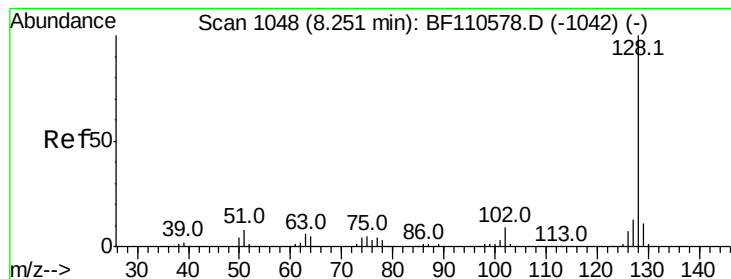
#30
1,2,4-Trichlorobenzene
Concen: 37.227 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion:	180	Resp:	149551
Ion Ratio	Lower	Upper	
180	100		
182	94.4	80.3	120.5
145	30.2	25.4	38.0



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





#31

Naphthalene

Concen: 44.830 ng

RT: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Instrument :

BNA_F

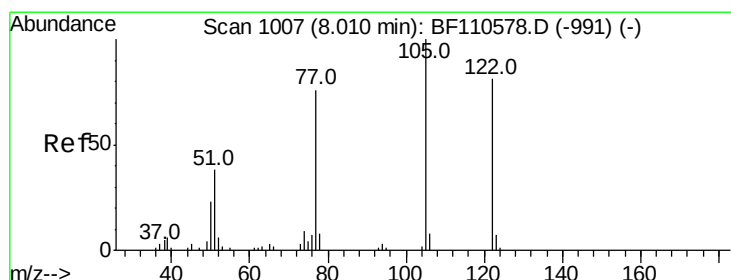
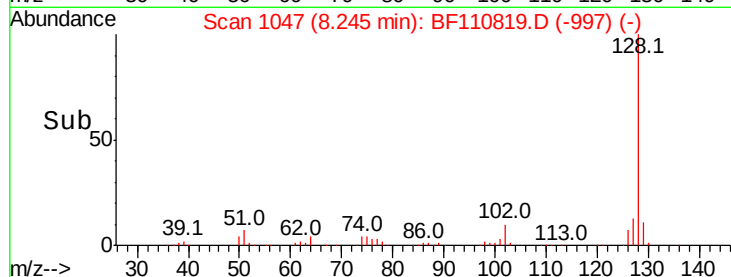
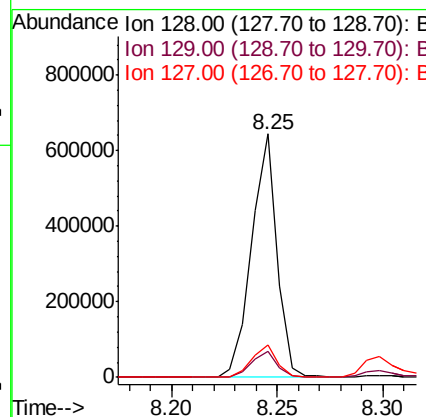
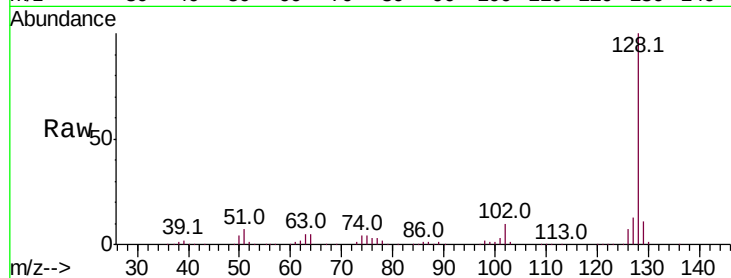
ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:	128	Resp:	539147
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.8	13.2
127	13.4	10.8	16.2

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#32

Benzoic acid

Concen: 3.837 ng

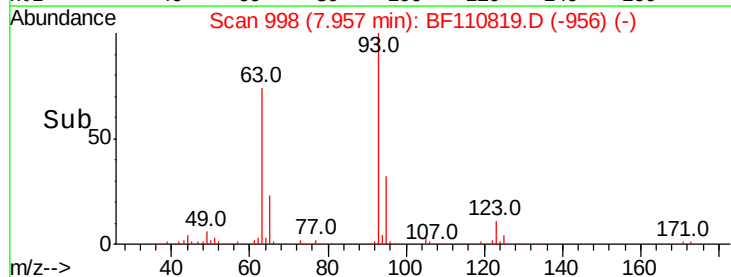
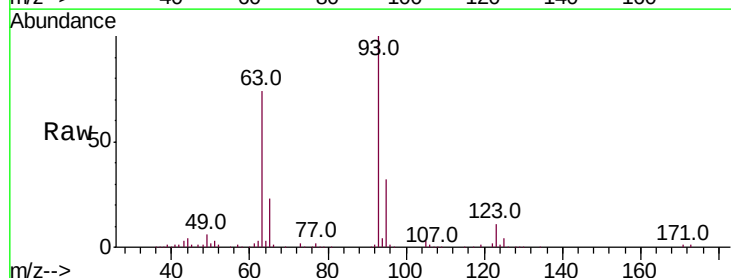
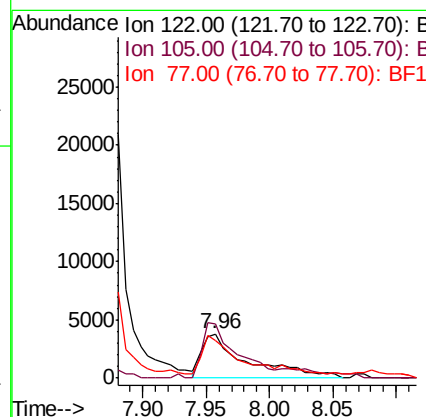
RT: 7.96 min Scan# 998

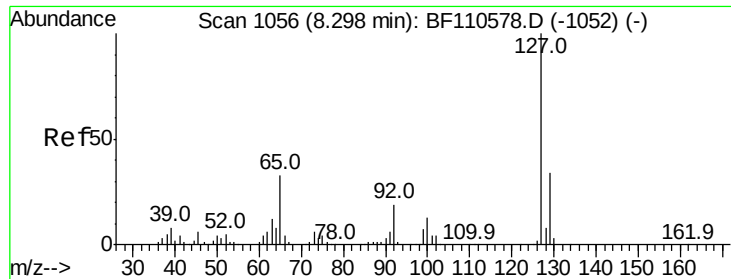
Delta R.T. -0.05 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Tgt Ion:	122	Resp:	9401
Ion Ratio	Lower	Upper	
122	100		
105	122.9	109.0	149.0
77	86.7	79.0	119.0





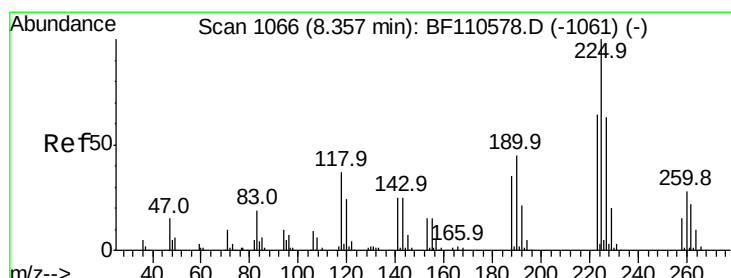
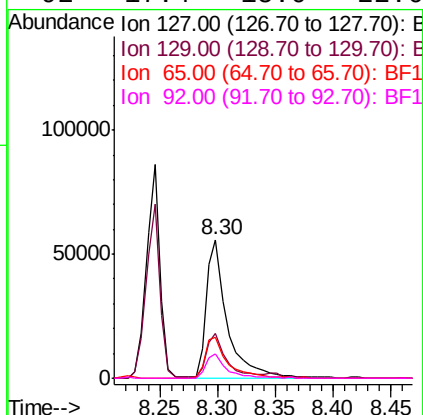
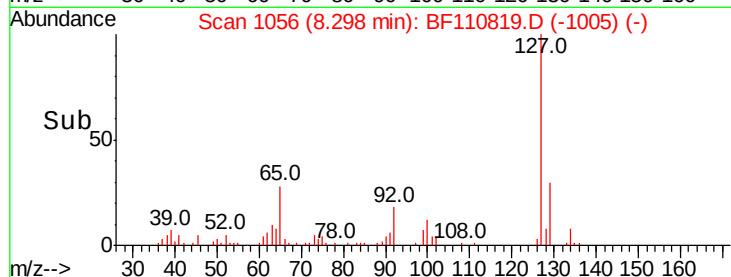
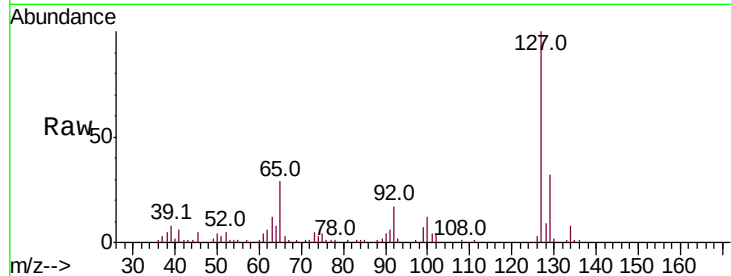
#33
4-Chloroaniline
Concen: 13.026 ng
RT: 8.30 min Scan# 1056
Delta R.T. 0.00 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.0	39.0
65	29.2	25.1	37.7
92	17.4	15.0	22.6

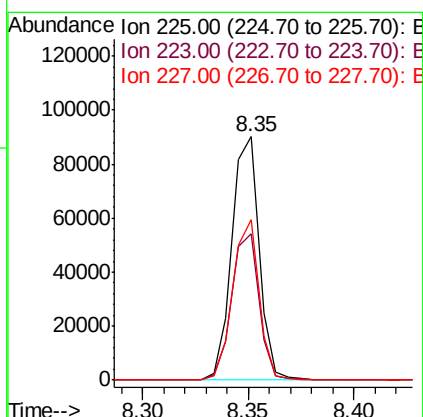
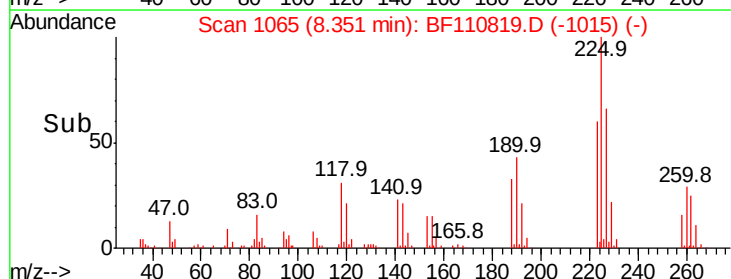
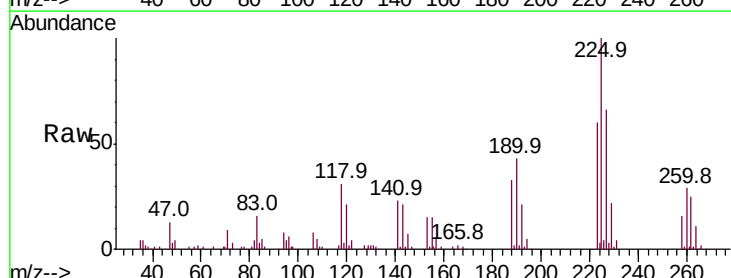
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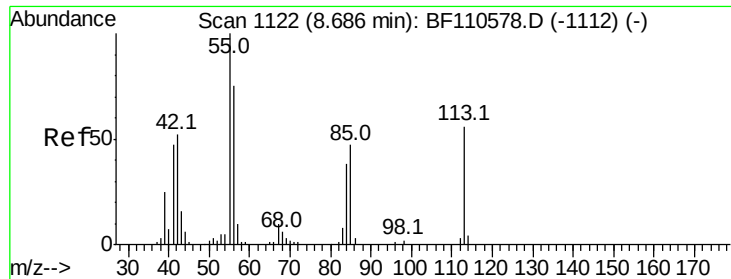
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#34
Hexachlorobutadiene
Concen: 34.886 ng
RT: 8.35 min Scan# 1065
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	51.4	77.2
227	66.0	51.0	76.6





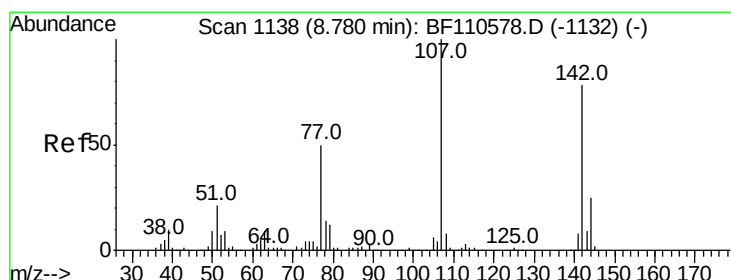
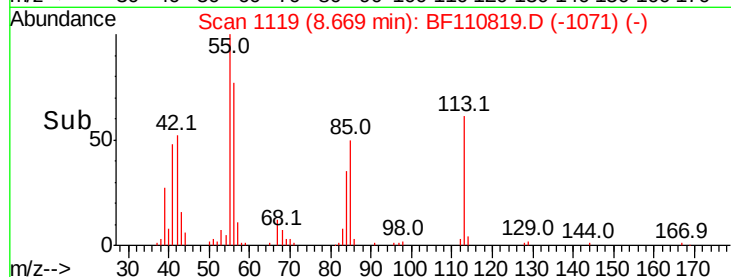
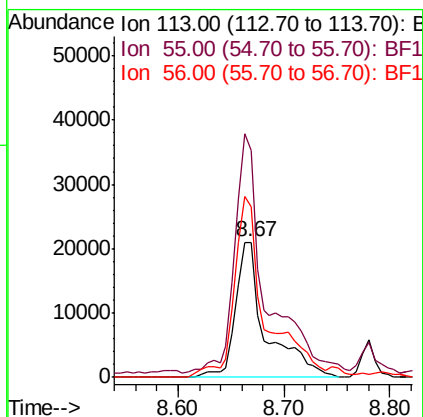
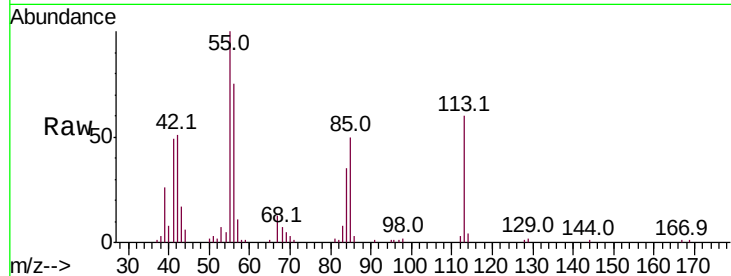
#35
Caprolactam
Concen: 34.983 ng
RT: 8.67 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion:113 Resp: 41644
Ion Ratio Lower Upper
113 100
55 167.7 142.8 182.8
56 126.2 105.0 145.0

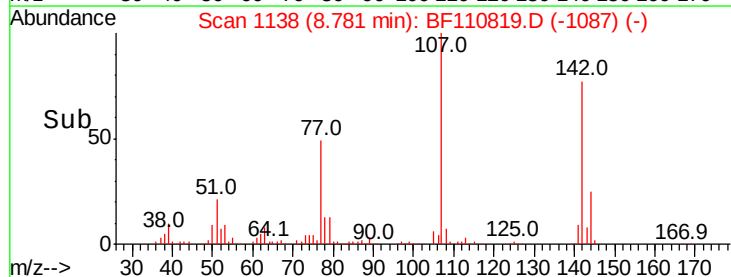
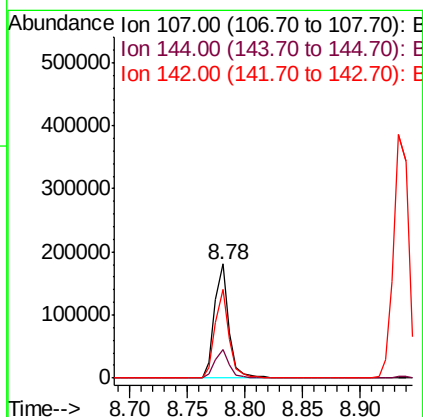
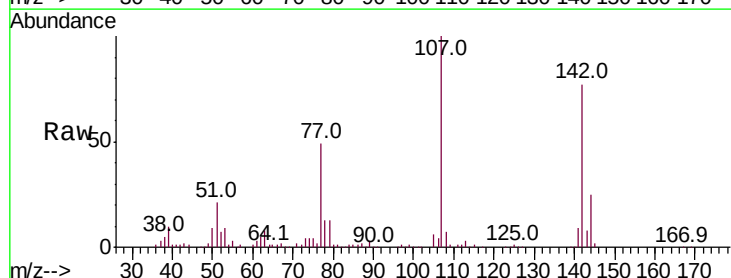
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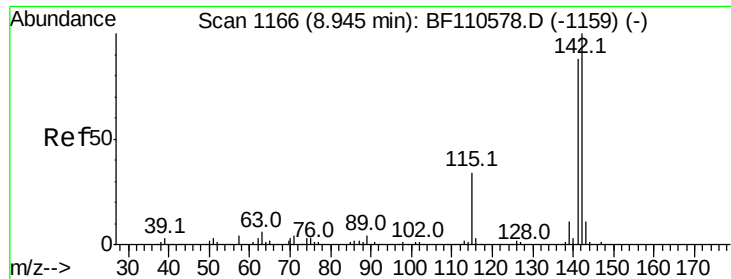
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#36
4-Chloro-3-methylphenol
Concen: 40.705 ng
RT: 8.78 min Scan# 1138
Delta R.T. 0.00 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion:107 Resp: 156418
Ion Ratio Lower Upper
107 100
144 25.5 20.0 30.0
142 77.4 59.7 89.5





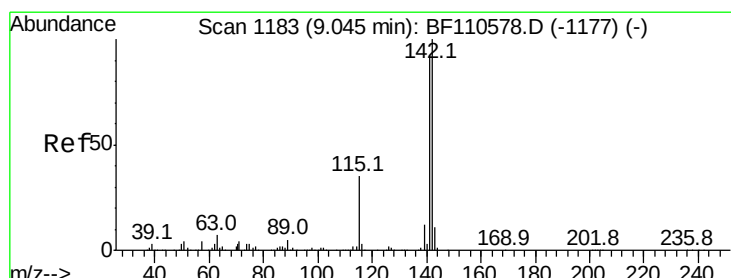
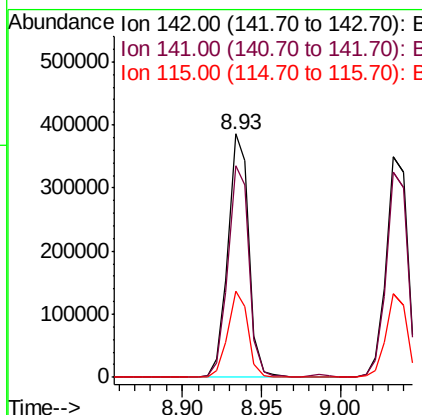
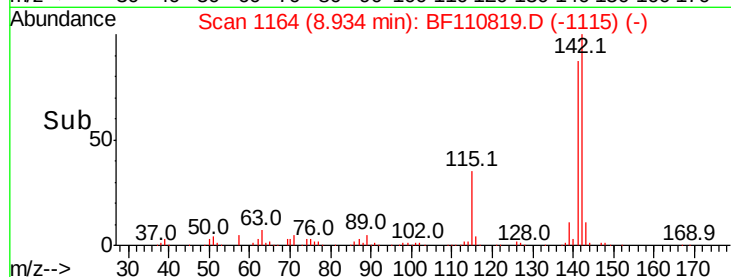
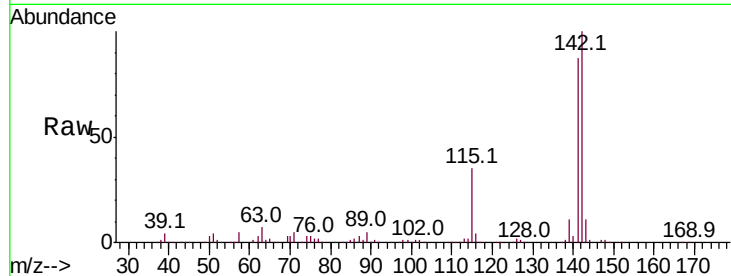
#37
2-Methylnaphthalene
Concen: 44.798 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.4	107.2
115	35.4	28.7	43.1

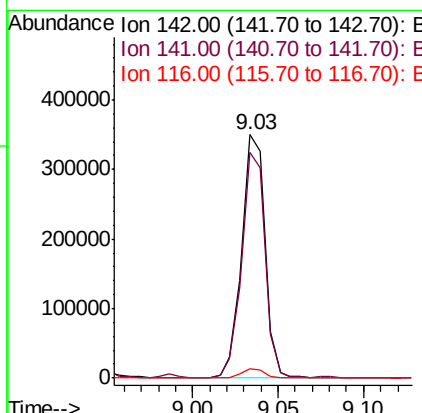
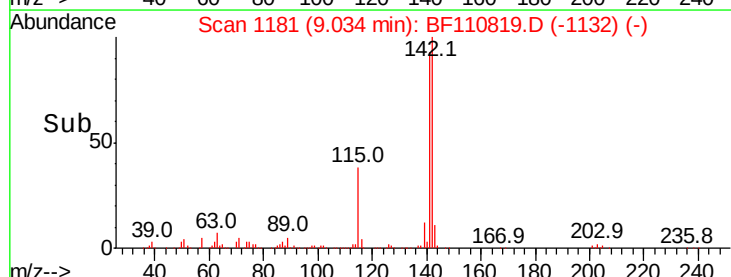
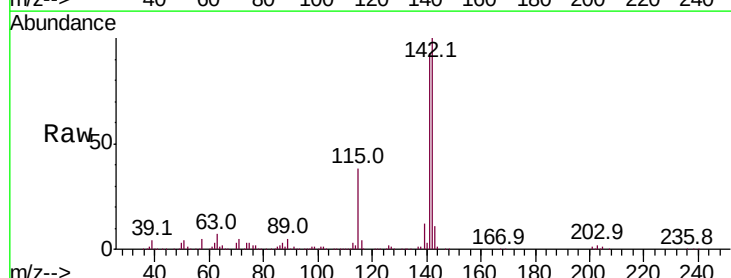
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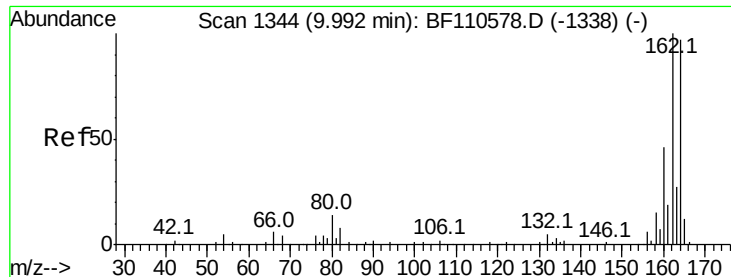
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#38
1-Methylnaphthalene
Concen: 43.566 ng m
RT: 9.03 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	74.2	111.4
116	4.0	2.6	4.0#





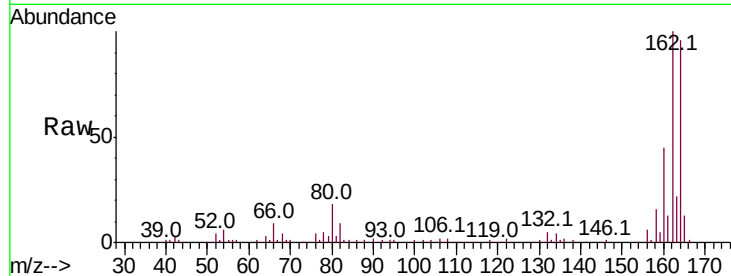
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

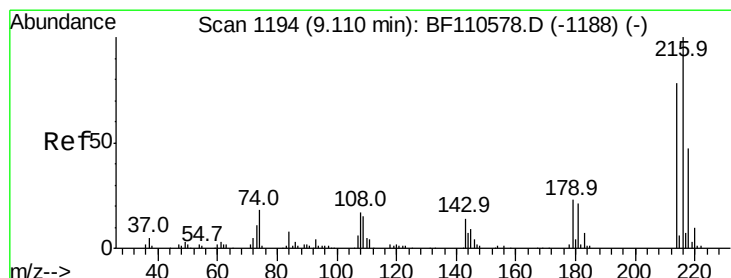
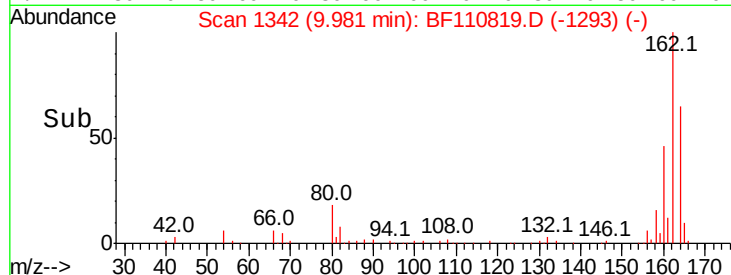
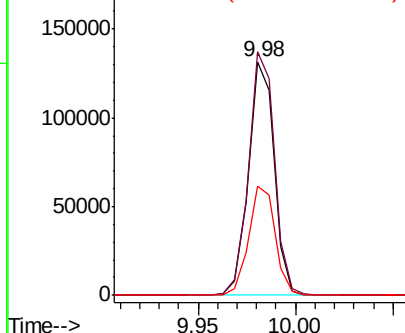
Tot Ion	Ratio	Lower	Upper
164	100		
162	104.2	83.0	124.6
160	46.7	37.0	55.6

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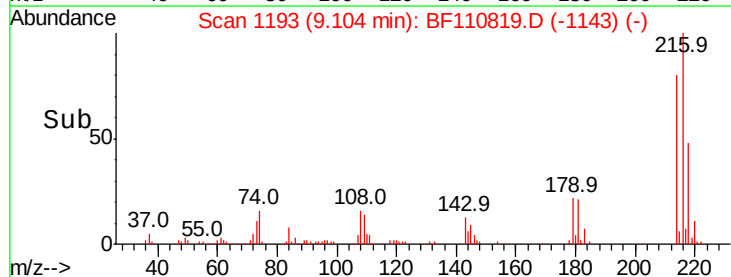
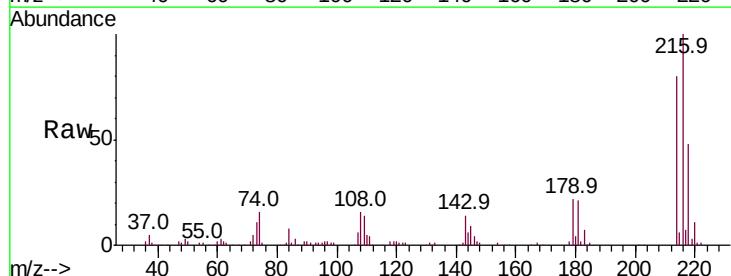
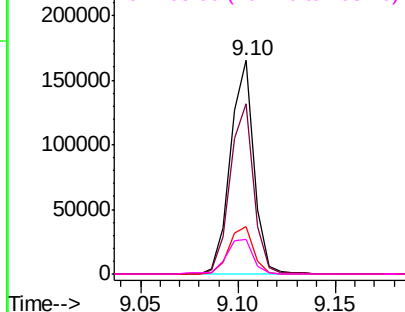
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

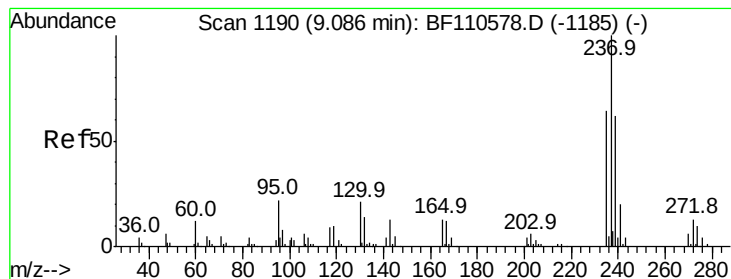


#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.361 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.8	95.6
179	23.1	16.6	25.0
108	18.2	15.1	22.7

Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 14.376 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Instrument :

BNA_F

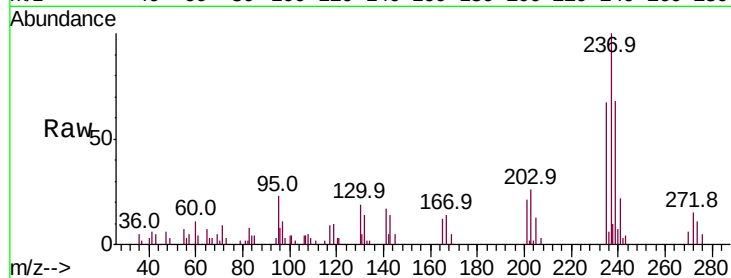
ClientSampleId :

VTW-01(7-10)MSD

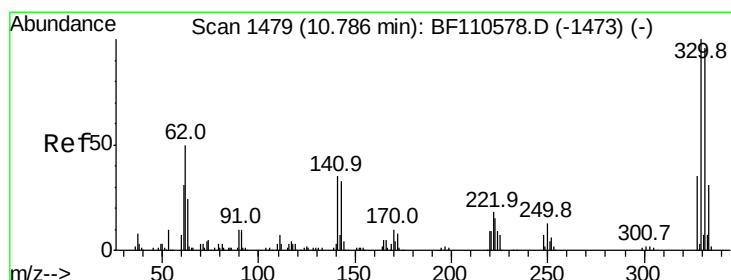
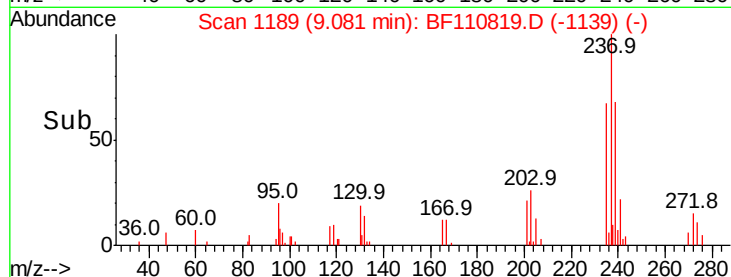
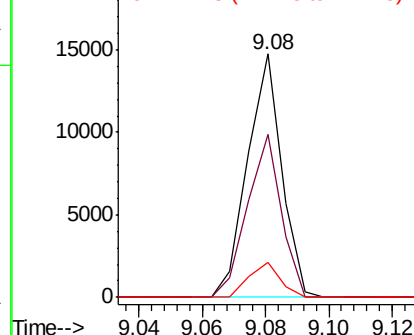
Tot Ion:	237	Resp:	11050
Ion Ratio		Lower	Upper
237	100		
235	66.9	43.1	83.1
272	14.6	0.0	32.6

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 121.265 ng

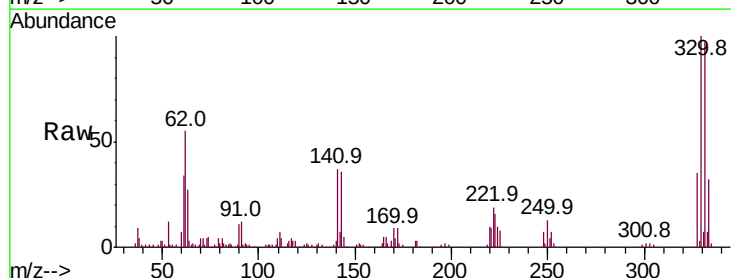
RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

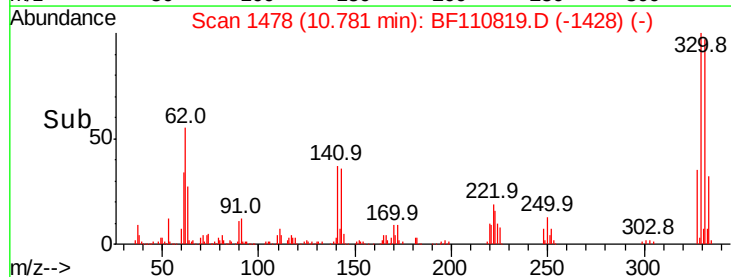
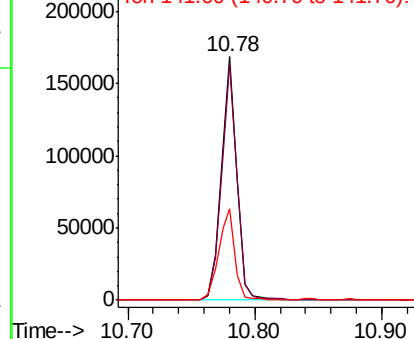
Lab File: BF110819.D

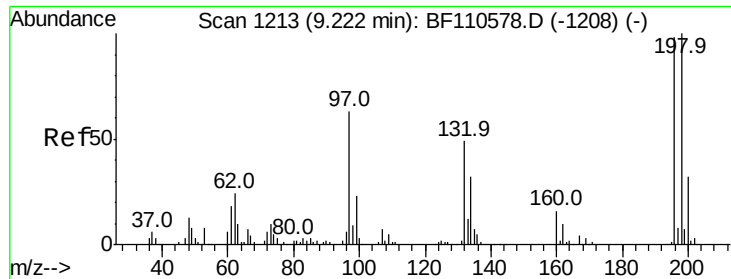
Acq: 16 Nov 2018 16:25

Tgt Ion:	330	Resp:	146592
Ion Ratio		Lower	Upper
330	100		
332	96.8	77.1	115.7
141	39.5	27.0	40.4



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





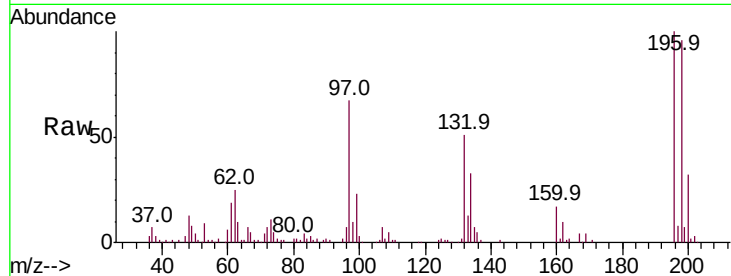
#43
2,4,6-Trichlorophenol
Concen: 40.472 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	96581		
198	96.4	76.2	114.4	
200	32.3	24.4	36.6	

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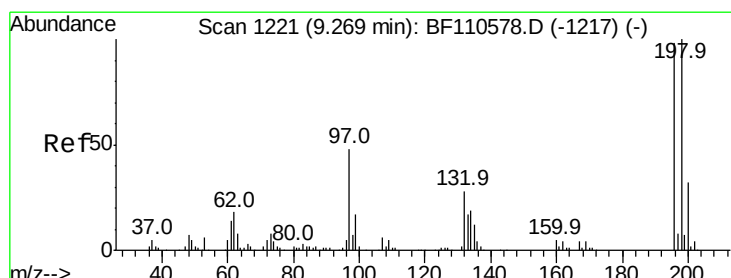
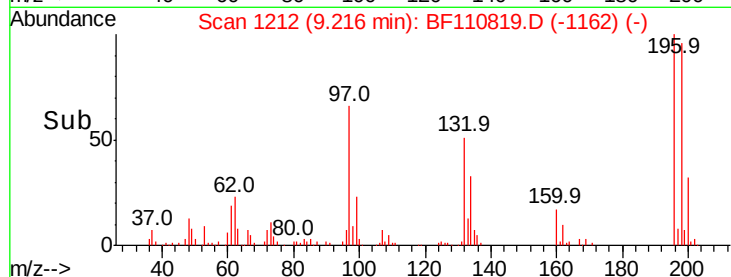
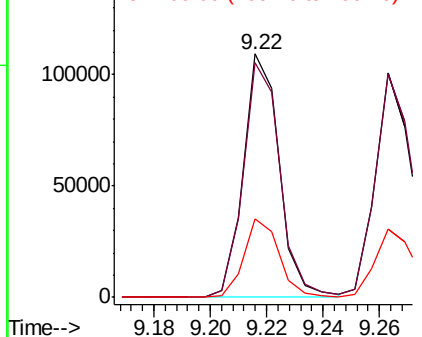


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
2,4,5-Trichlorophenol
Concen: 39.535 ng
RT: 9.26 min Scan# 1220
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	100639		
198	99.4	75.8	113.6	
97	55.9	42.4	63.6	
132	31.2	22.8	34.2	

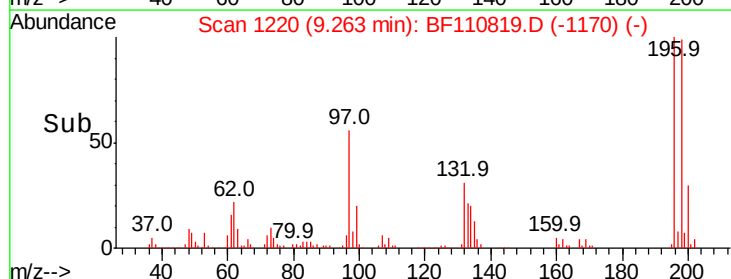
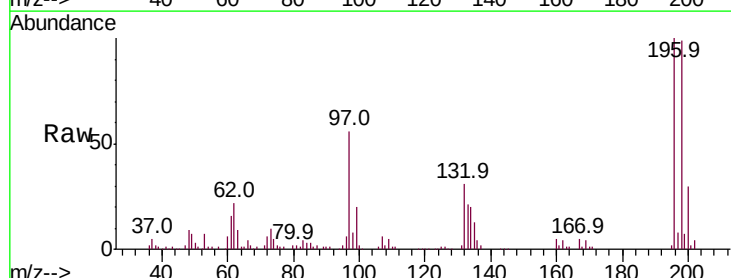
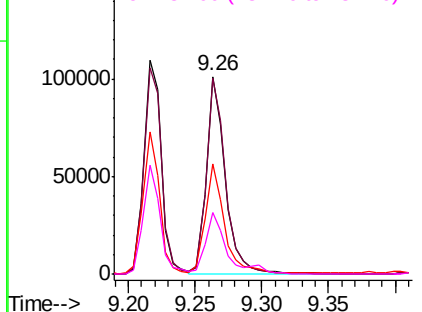
Abundance

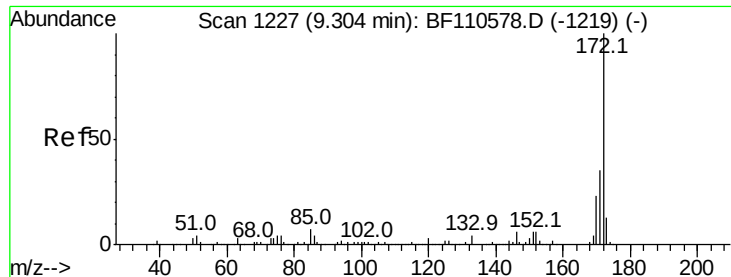
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





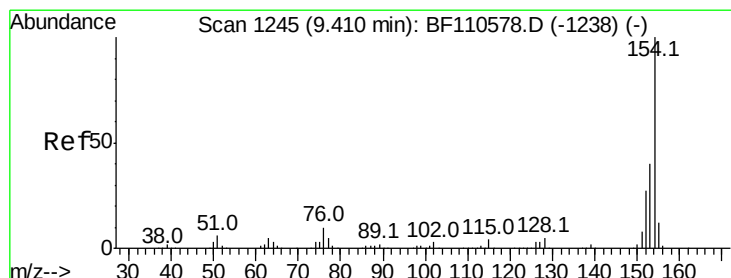
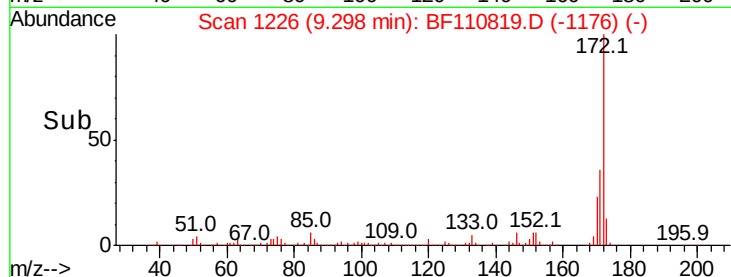
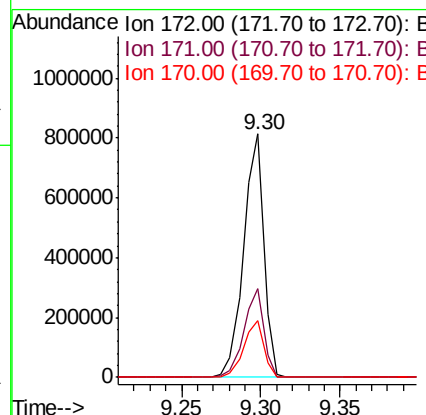
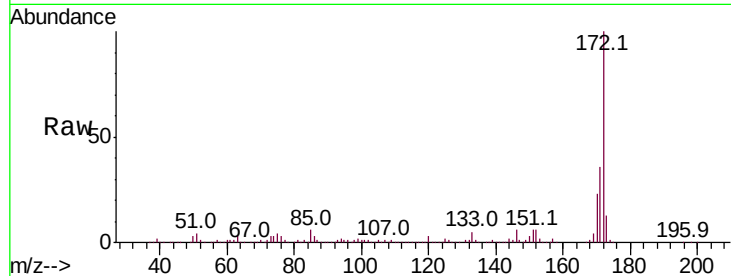
#45
2-Fluorobiphenyl
Concen: 85.435 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	23.4	19.7	29.5

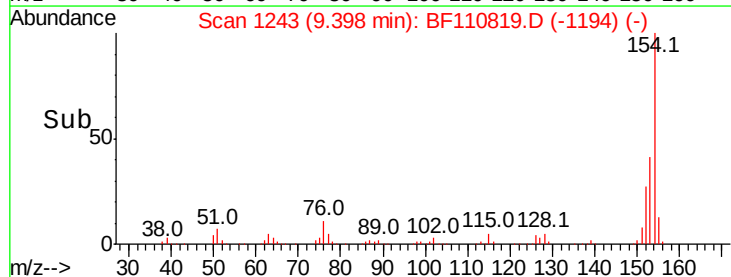
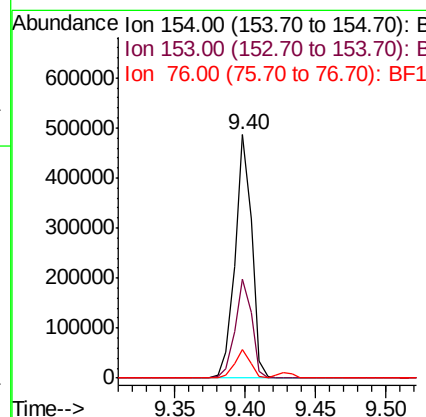
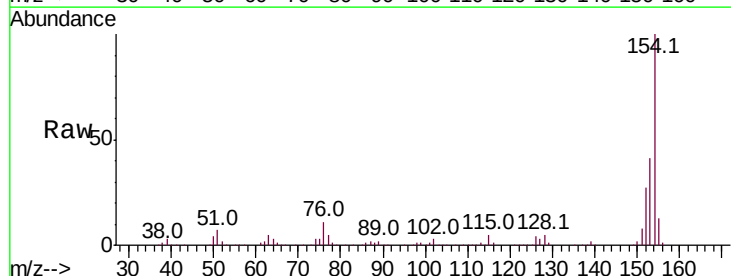
Manual Integrations
APPROVED

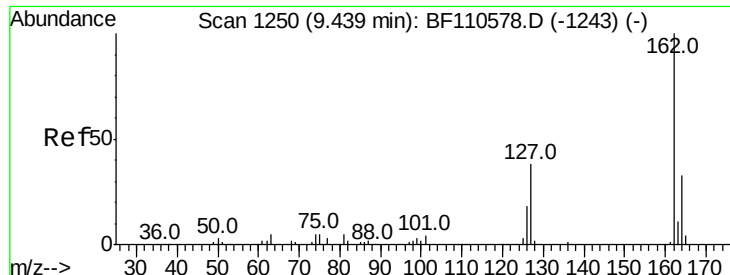
Sohil
11/19/2018 11:55:51 AM



#46
1,1'-Biphenyl
Concen: 35.705 ng
RT: 9.40 min Scan# 1243
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.4	60.4
76	11.5	0.0	31.9





#47

2-Chloronaphthalene

Concen: 37.377 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Instrument :

BNA_F

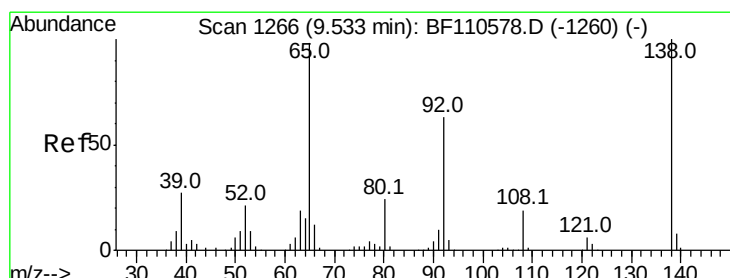
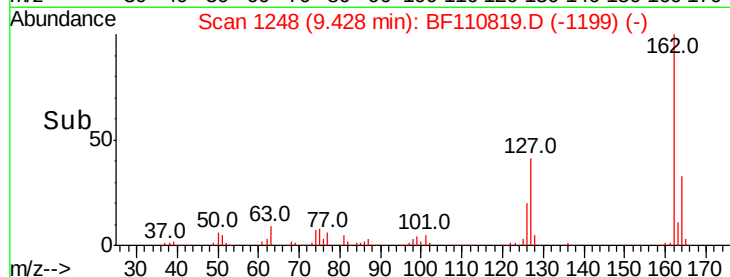
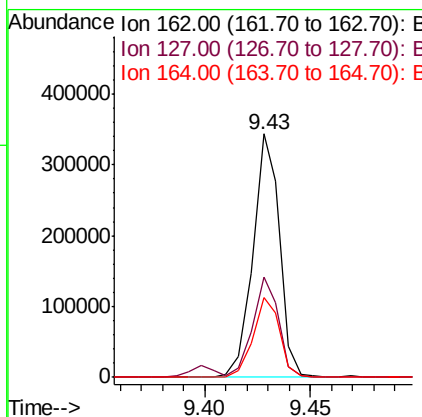
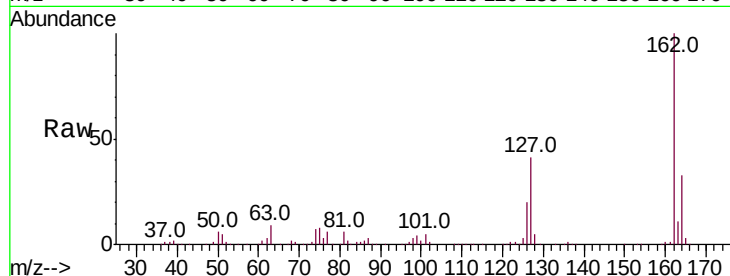
ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:	162	Resp:	301367
Ion Ratio	Lower	Upper	
162	100		
127	41.0	32.6	48.8
164	33.0	25.9	38.9

Manual Integrations
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#48

2-Nitroaniline

Concen: 41.084 ng

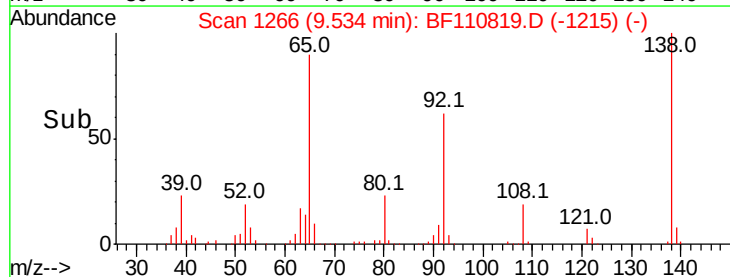
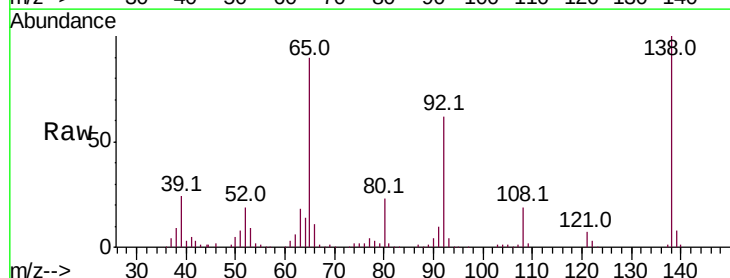
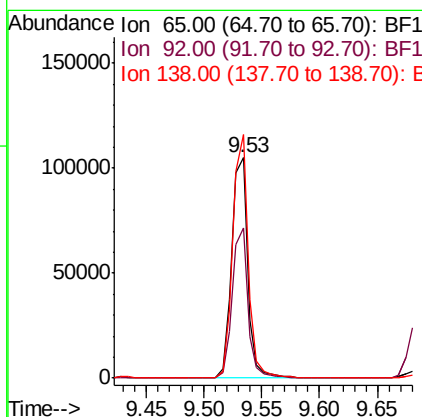
RT: 9.53 min Scan# 1266

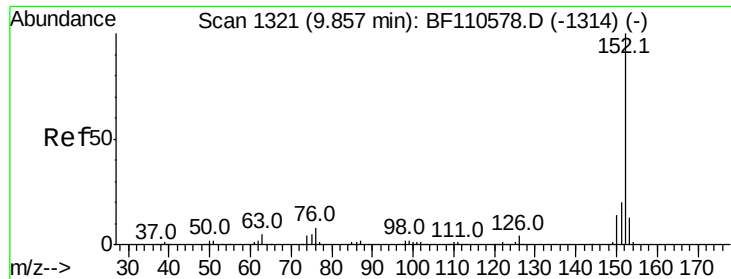
Delta R.T. 0.00 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Tgt Ion:	65	Resp:	102078
Ion Ratio	Lower	Upper	
65	100		
92	68.5	54.6	81.8
138	110.6	80.3	120.5





#49

Acenaphthylene

Concen: 42.505 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Instrument :

BNA_F

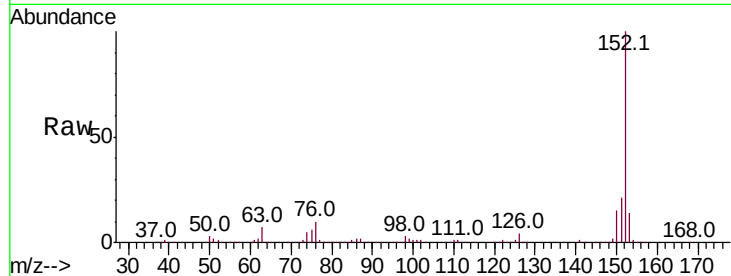
ClientSampleId :

VTW-01(7-10)MSD

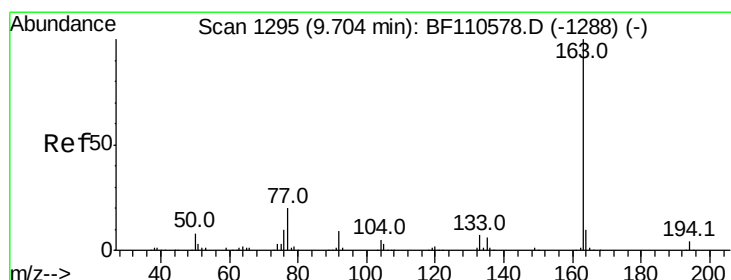
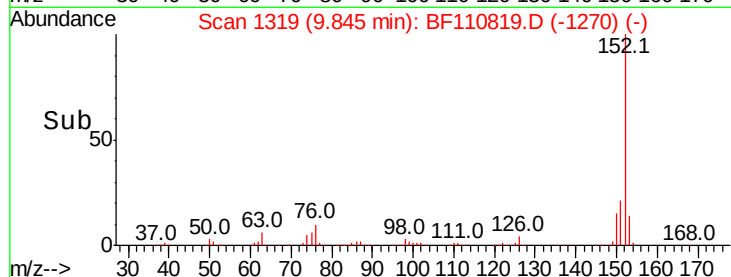
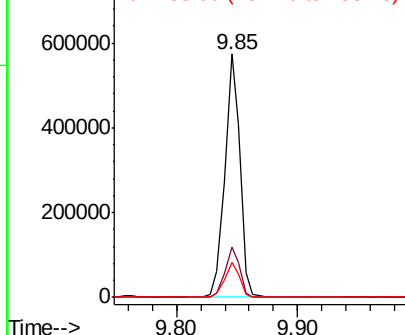
Tot Ion:	152	Resp:	493546
Ion Ratio	Lower	Upper	
152	100		
151	20.6	15.8	23.8
153	14.1	10.4	15.6

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 50.537 ng

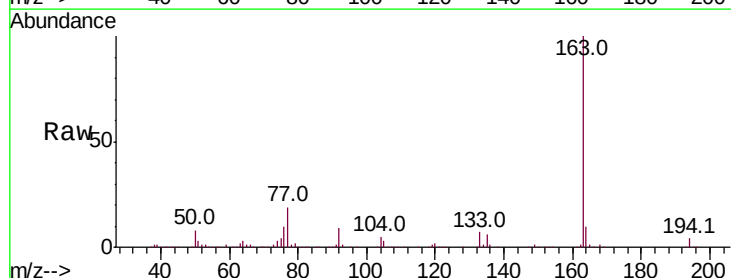
RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

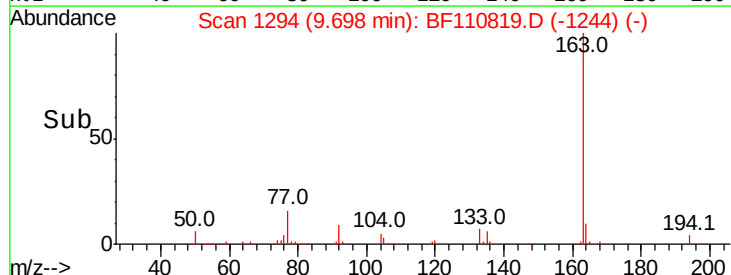
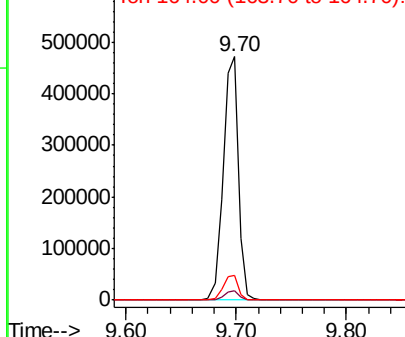
Lab File: BF110819.D

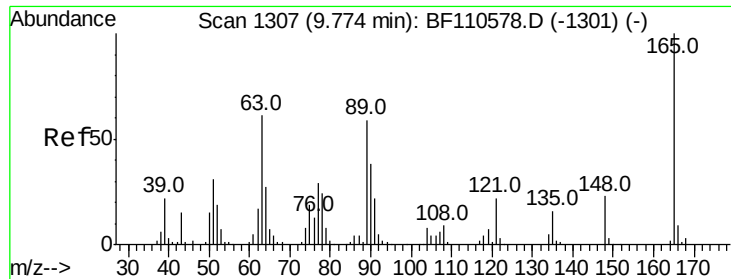
Acq: 16 Nov 2018 16:25

Tgt Ion:	163	Resp:	452404
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.2	4.8
164	9.9	8.1	12.1



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





#51

2,6-Dinitrotoluene

Concen: 40.048 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Instrument :

BNA_F

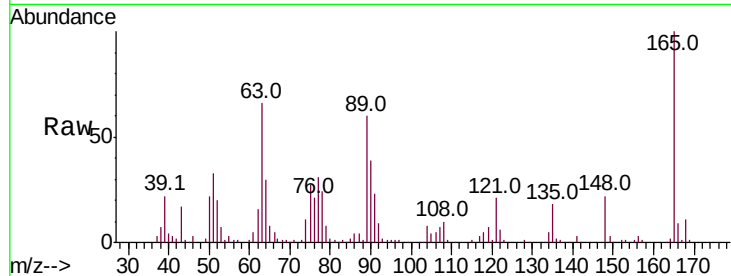
ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:	165	Resp:	78865
Ion Ratio	Lower	Upper	
165	100		
63	66.0	48.9	73.3
89	59.9	46.6	69.8

Manual Integrations
APPROVED

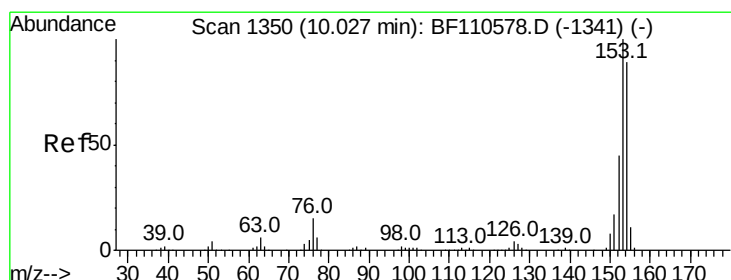
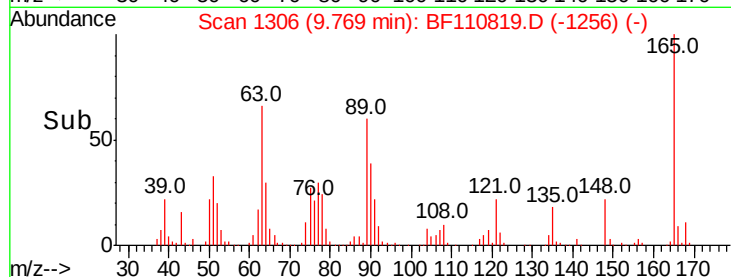
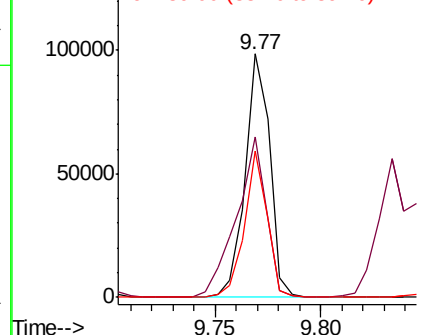
Sohil
11/19/2018 11:55:51 AM



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 39.150 ng

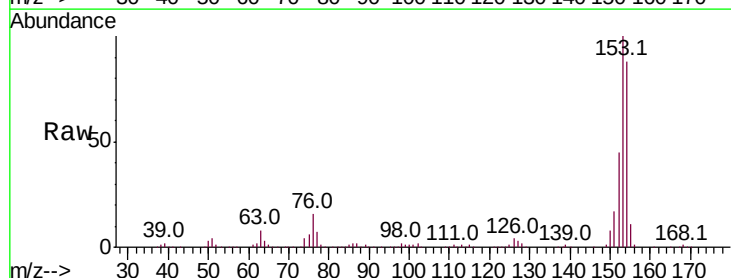
RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

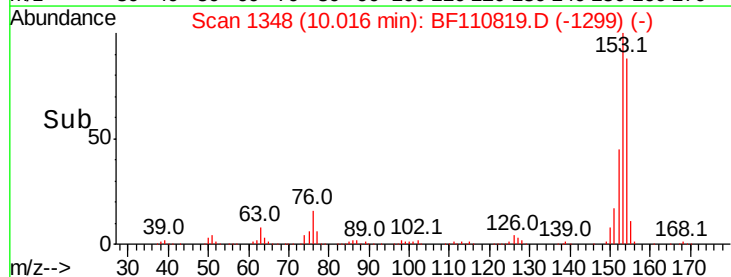
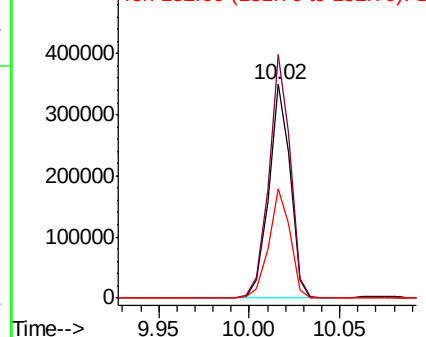
Tgt Ion:	154	Resp:	287285
Ion Ratio	Lower	Upper	
154	100		
153	113.8	90.1	135.1
152	51.1	43.4	65.2

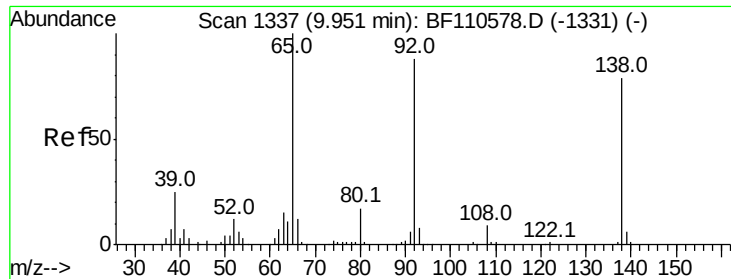


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





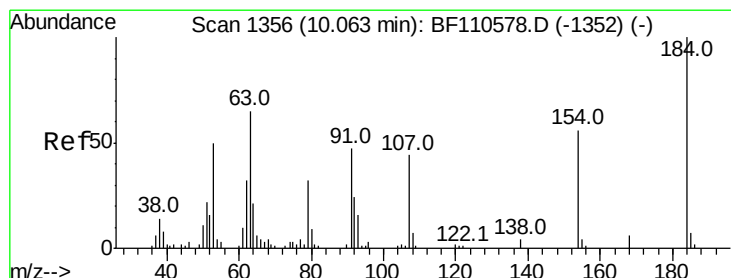
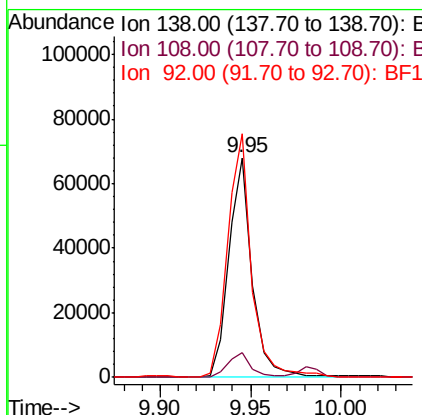
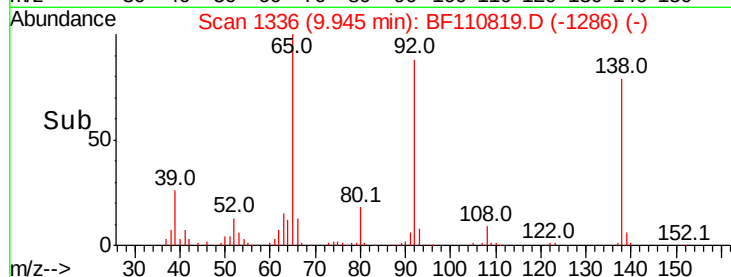
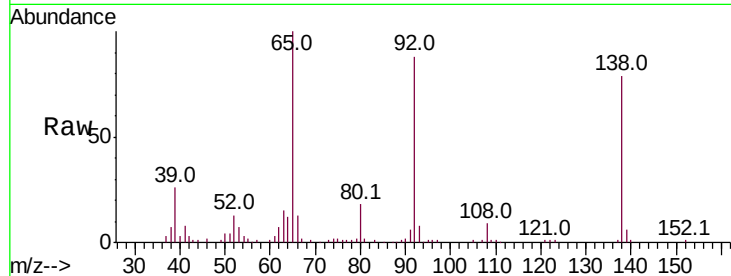
#53
3-Nitroaniline
Concen: 26.724 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion:138 Resp: 60969
Ion Ratio Lower Upper
138 100
108 11.0 8.7 13.1
92 110.8 97.0 145.4

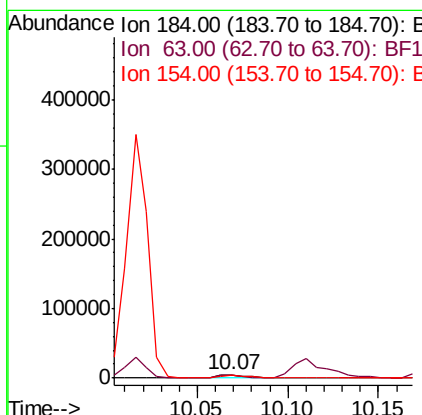
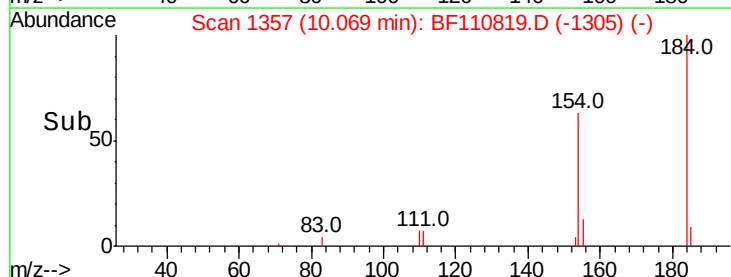
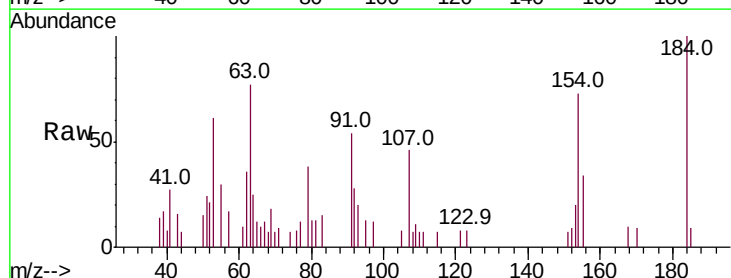
Manual Integrations
APPROVED

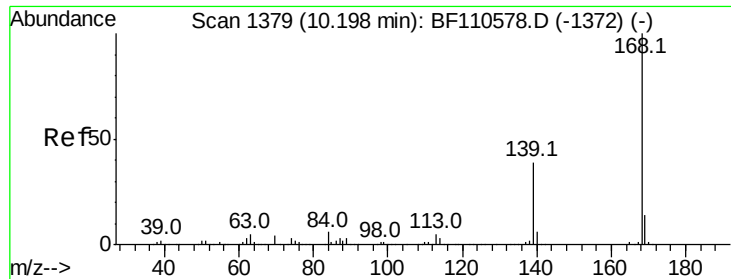
Sohil
11/19/2018 11:55:51 AM



#54
2,4-Dinitrophenol
Concen: 12.358 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion:184 Resp: 6381
Ion Ratio Lower Upper
184 100
63 77.1 55.8 83.6
154 73.3 63.2 94.8





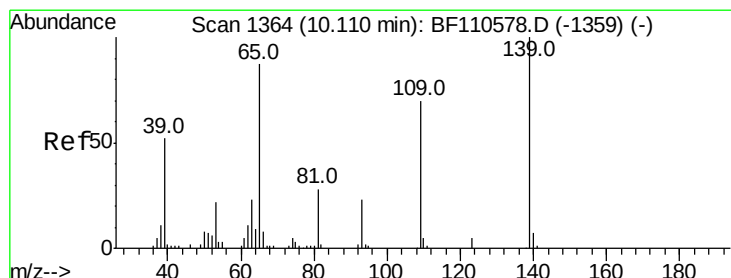
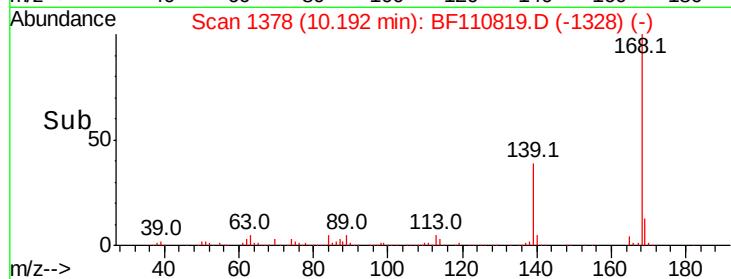
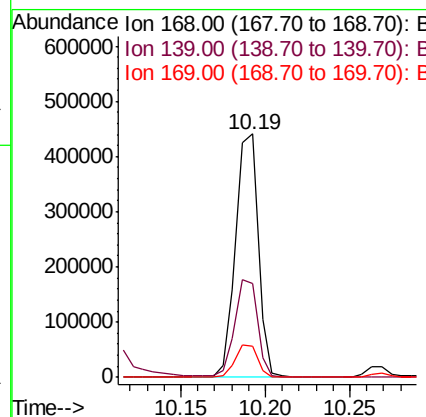
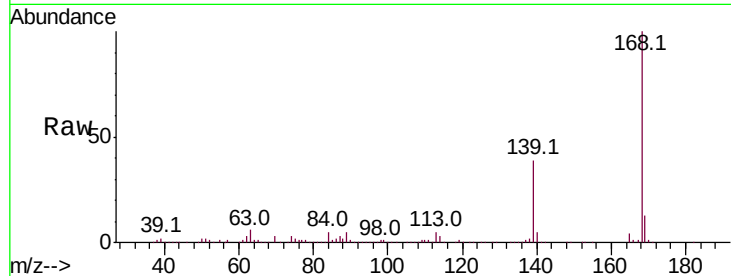
#55
Dibenzofuran
Concen: 38.491 ng
RT: 10.19 min Scan# 1378
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.5	33.0	49.6
169	12.8	11.3	16.9

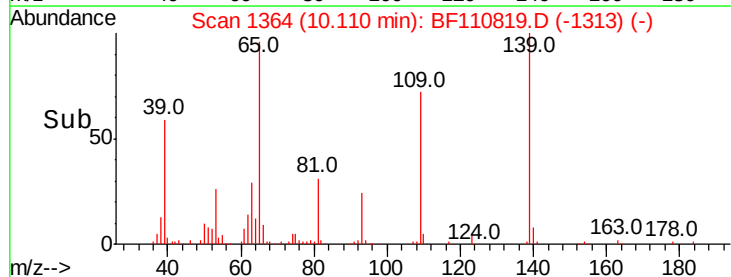
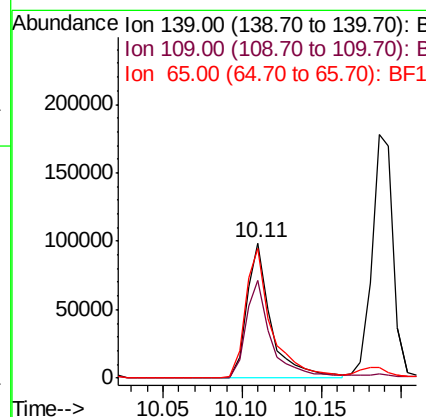
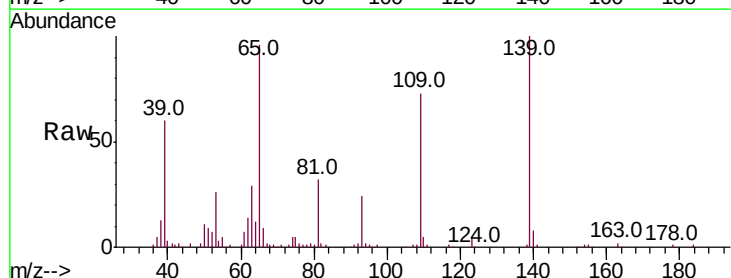
Manual Integrations
APPROVED

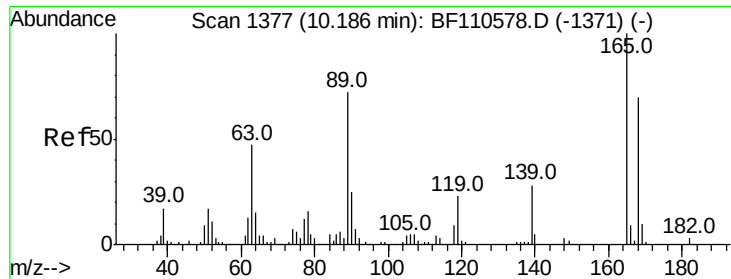
Sohil
11/19/2018 11:55:51 AM



#56
4-Nitrophenol
Concen: 68.922 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.00 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Lower	Upper
139	100		
109	72.7	55.8	95.8
65	96.0	77.9	117.9





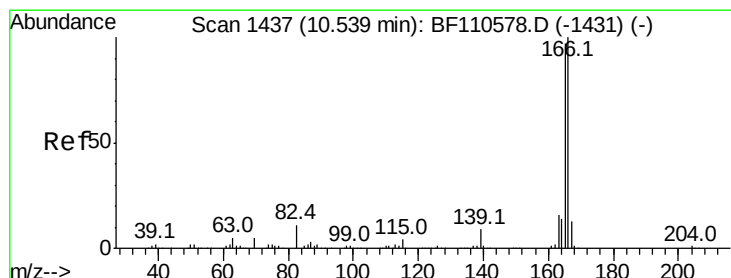
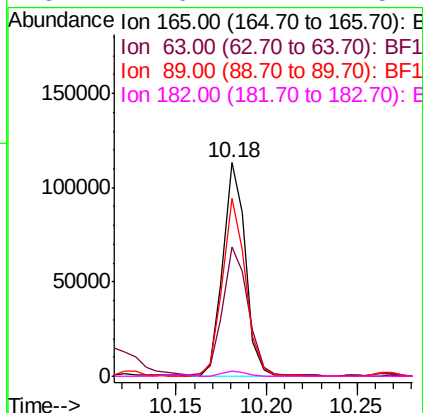
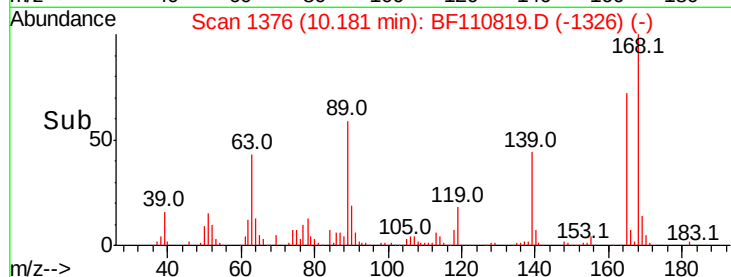
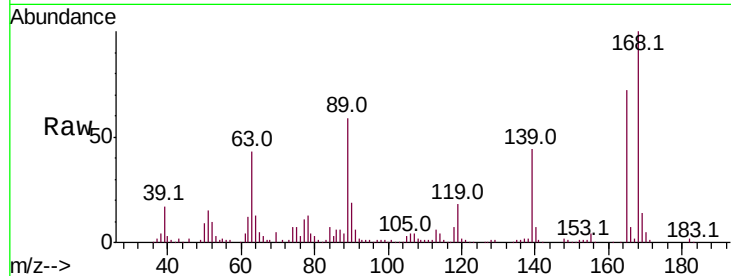
#57
2,4-Dinitrotoluene
Concen: 38.752 ng
RT: 10.18 min Scan# 1376
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	60.5	44.8	67.2
89	83.1	62.2	93.4
182	2.6	2.1	3.1

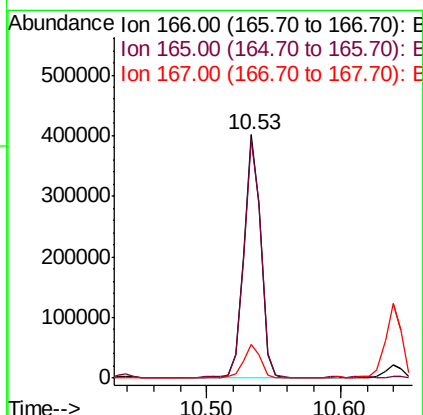
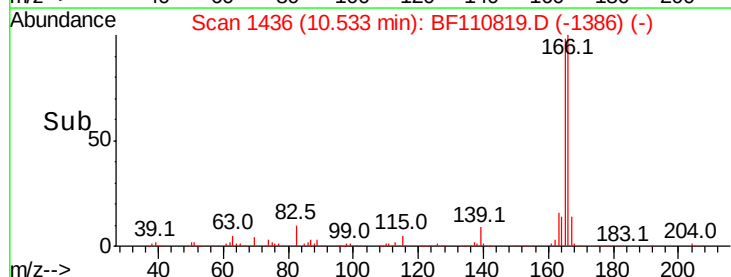
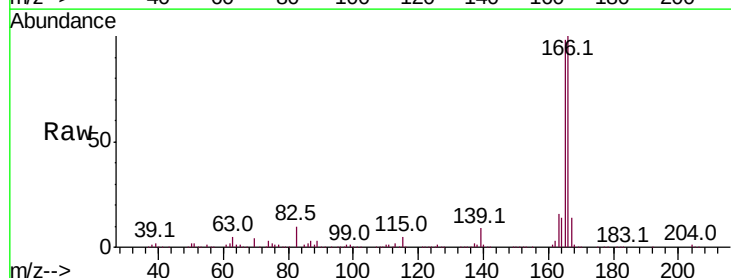
Manual Integrations
APPROVED

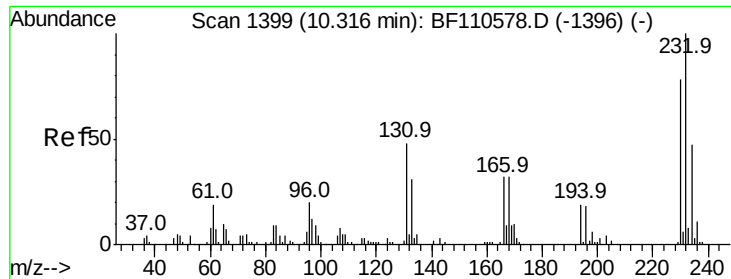
Sohil
11/19/2018 11:55:51 AM



#58
Fluorene
Concen: 42.108 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.6	117.8
167	13.9	10.8	16.2





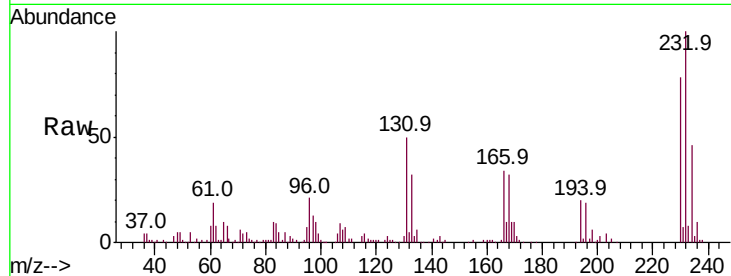
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.629 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

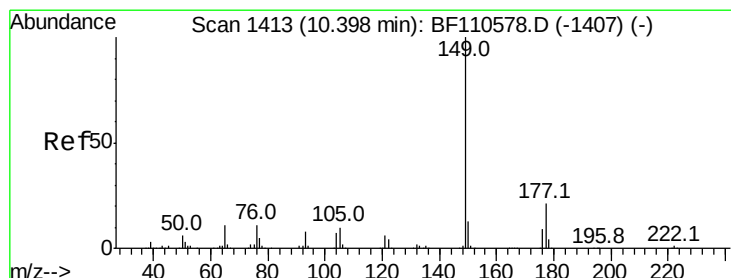
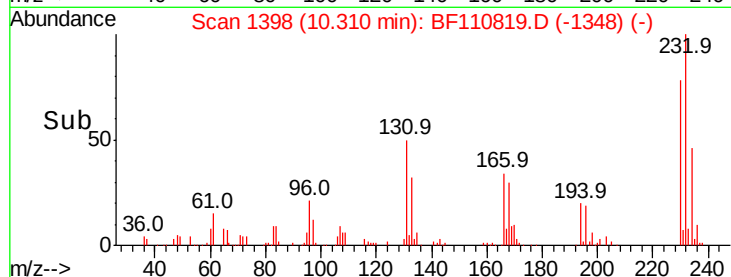
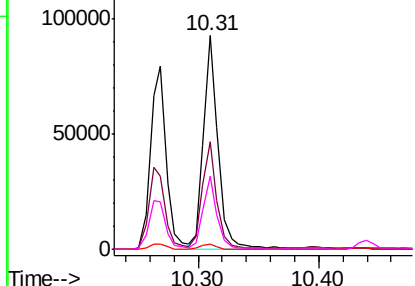
Tot Ion:	232	Resp:	79358
Ion Ratio	Lower	Upper	
232	100		
131	48.4	37.0	55.4
130	2.4	1.8	2.6
166	32.6	22.0	33.0

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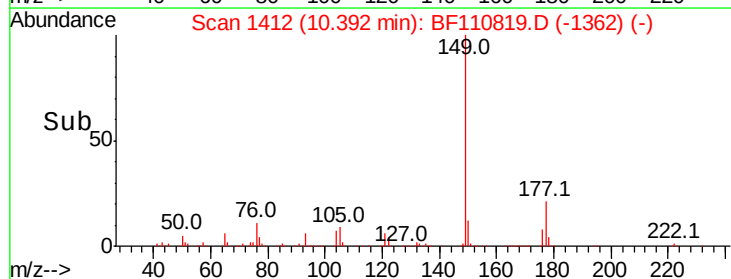
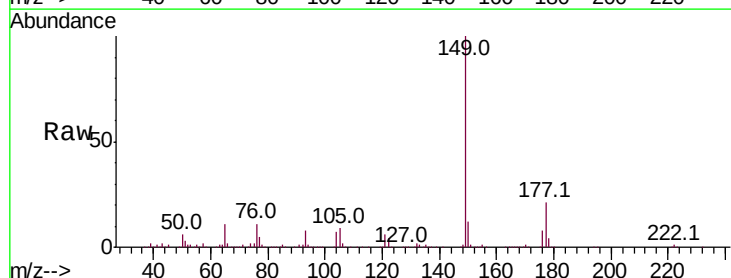
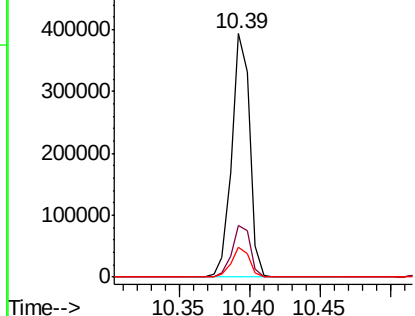
Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

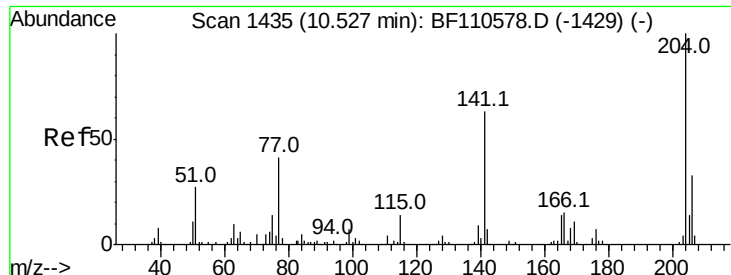


#60
Diethylphthalate
Concen: 39.330 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion:	149	Resp:	348321
Ion Ratio	Lower	Upper	
149	100		
177	21.4	17.4	26.2
150	12.1	9.8	14.8

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





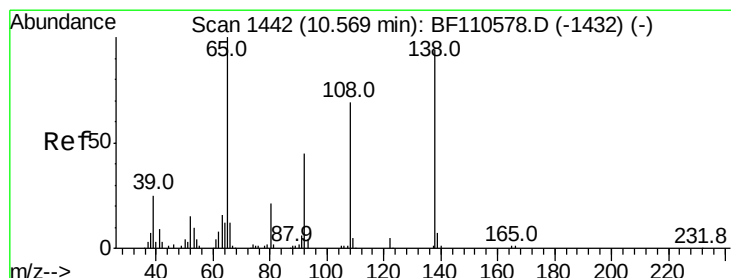
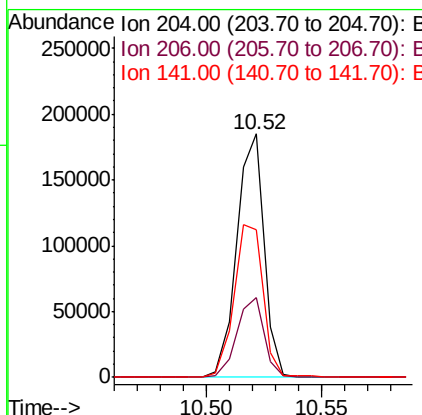
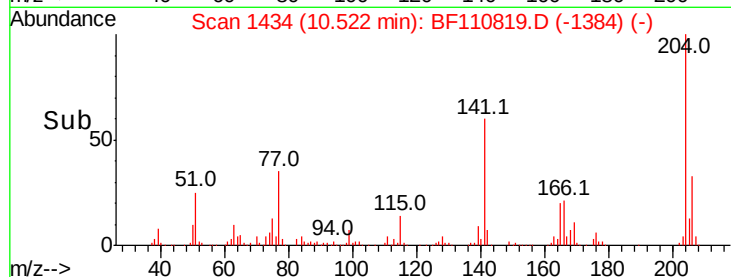
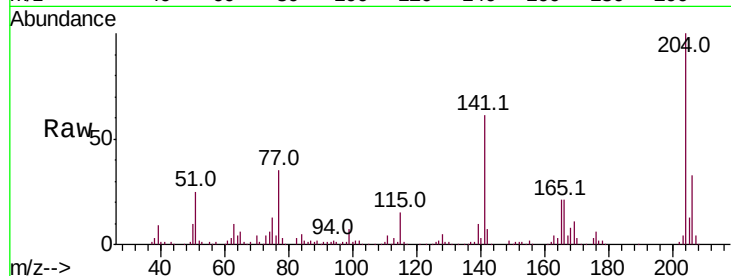
#61
4-Chlorophenyl-phenylether
Concen: 35.794 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.5	39.7
141	60.7	51.8	77.8

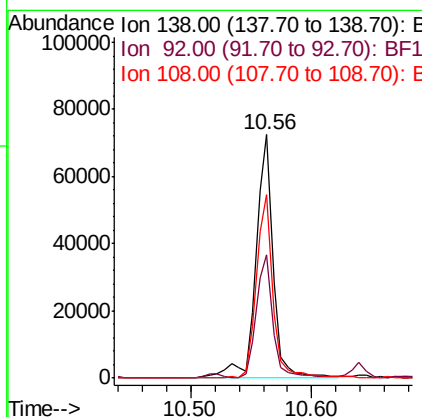
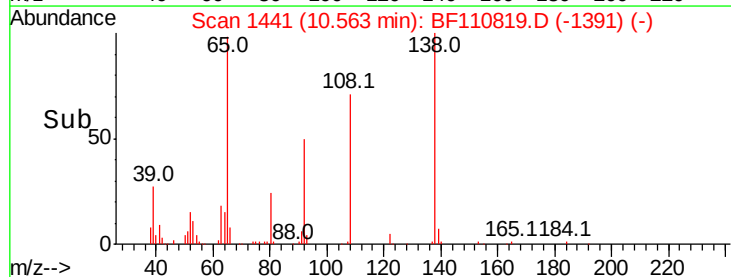
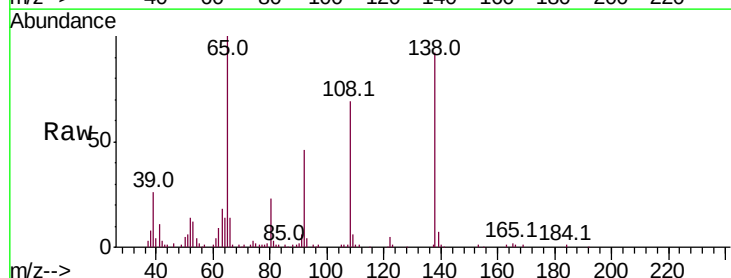
Manual Integrations
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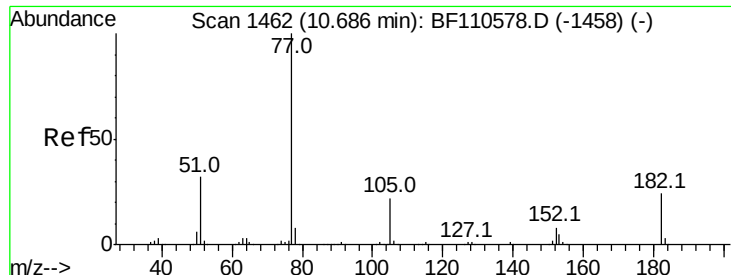
Sohil
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#62
4-Nitroaniline
Concen: 31.904 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.4	31.7	71.7
108	75.2	59.3	99.3





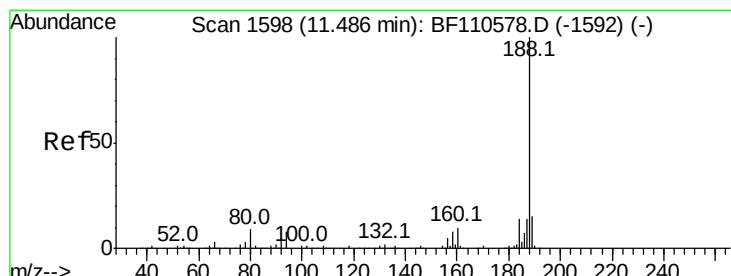
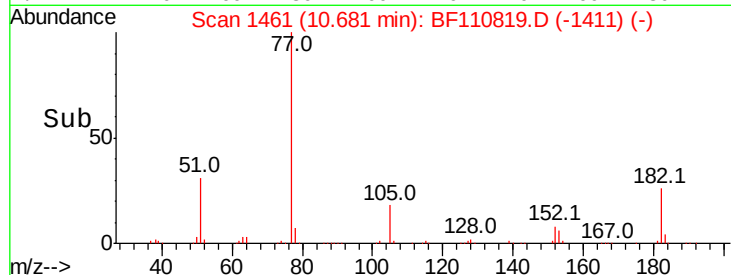
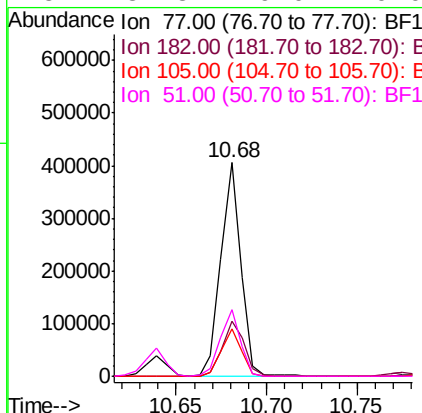
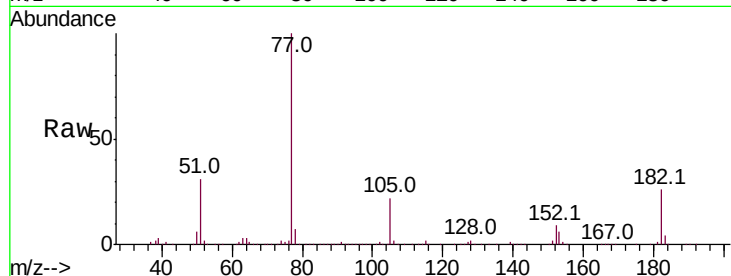
#63
Azobenzene
Concen: 35.809 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	25.7	4.3	44.3		
105	22.0	1.3	41.3		
51	31.3	9.0	49.0		

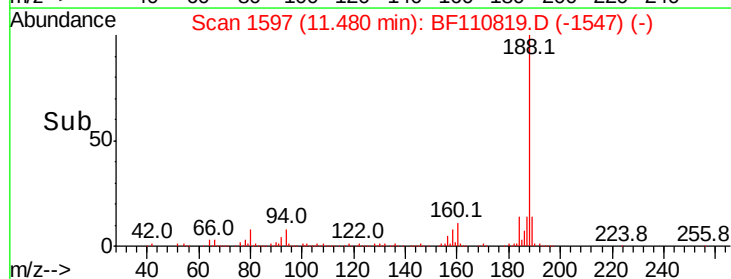
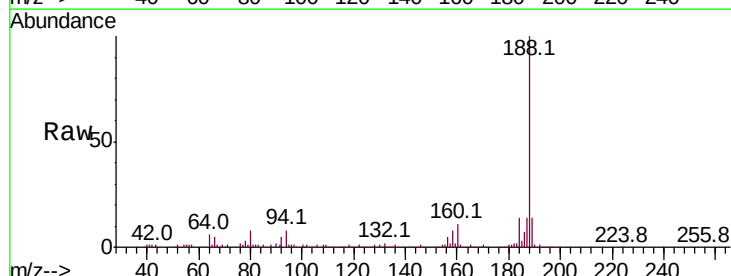
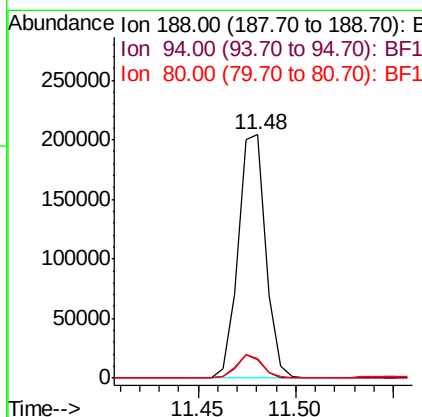
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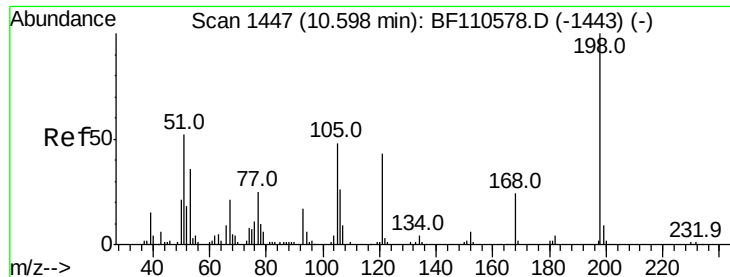
Sohil
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	7.7	7.2	10.8		
80	8.3	7.9	11.9		





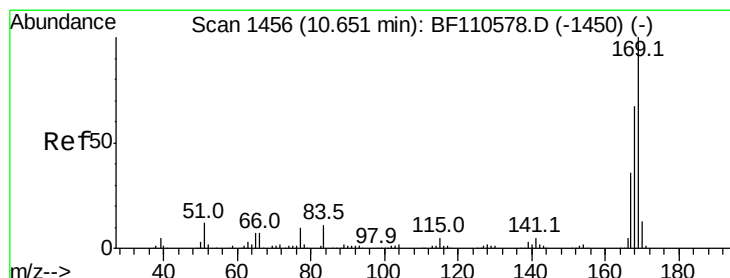
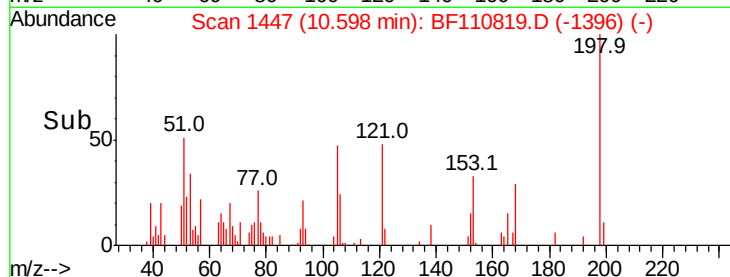
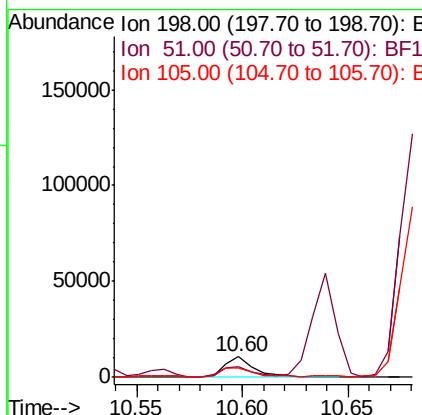
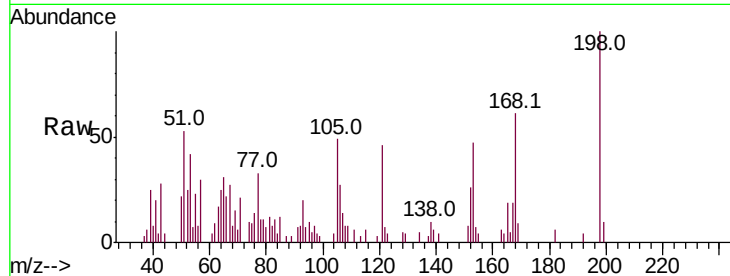
#65
4,6-Dinitro-2-methylphenol
Concen: 10.182 ng
RT: 10.60 min Scan# 1447
Delta R.T. 0.00 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	53.3	22.8	62.8
105	48.8	23.6	63.6

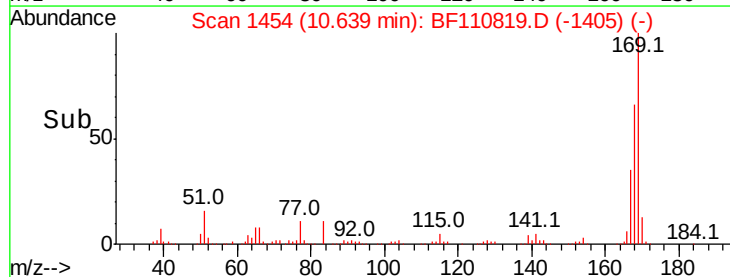
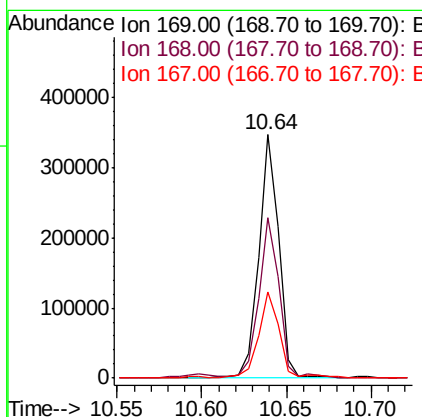
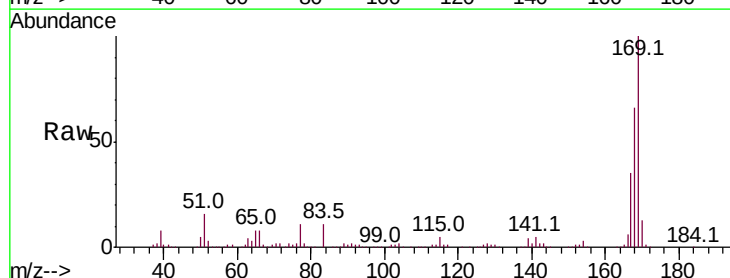
Manual Integrations
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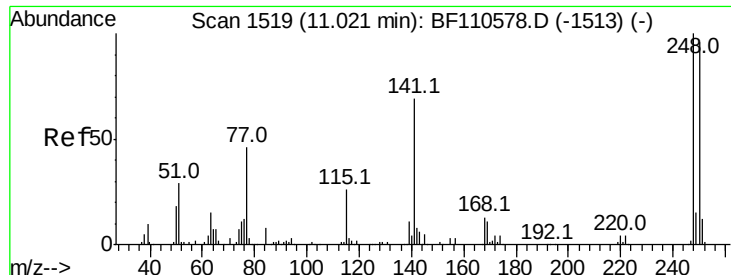
Sohil
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#66
n-Nitrosodiphenylamine
Concen: 42.286 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.7	51.2	76.8
167	35.3	27.8	41.6





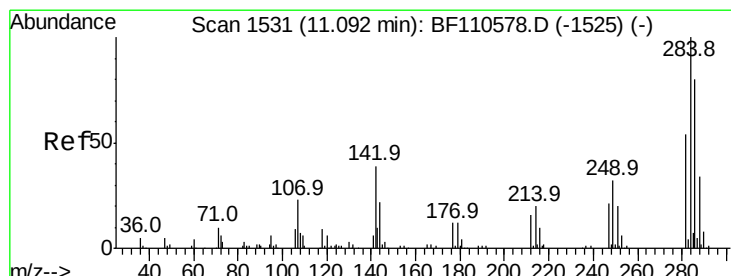
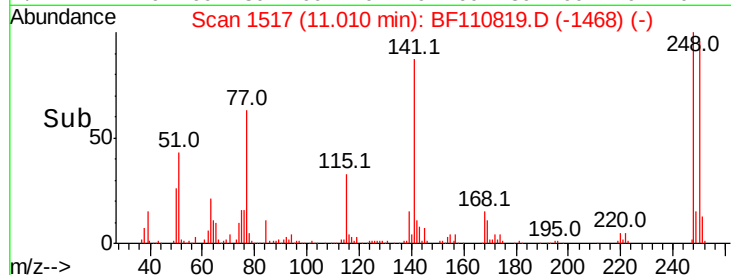
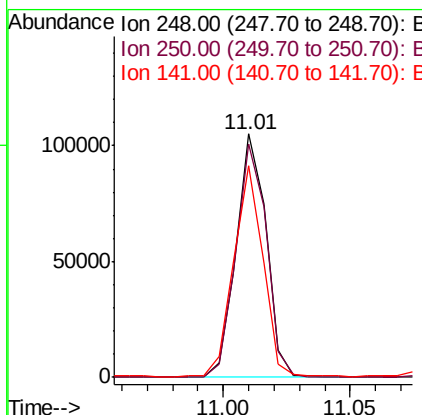
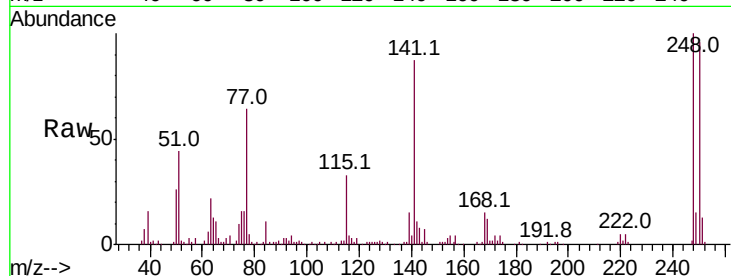
#67
 4-Bromophenyl-phenylether
 Concen: 39.131 ng
 RT: 11.01 min Scan# 1517
 Delta R.T. -0.01 min
 Lab File: BF110819.D
 Acq: 16 Nov 2018 16:25

Instrument :
 BNA_F
 ClientSampleId :
 VTW-01(7-10)MSD

Tot Ion:	248	Resp:	86347
Ion Ratio	Lower	Upper	
248	100		
250	96.1	79.4	119.2
141	86.9	55.9	83.9#

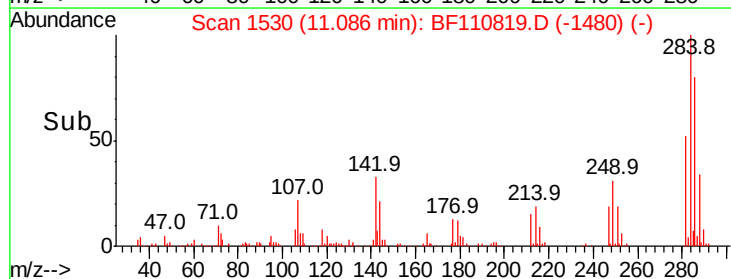
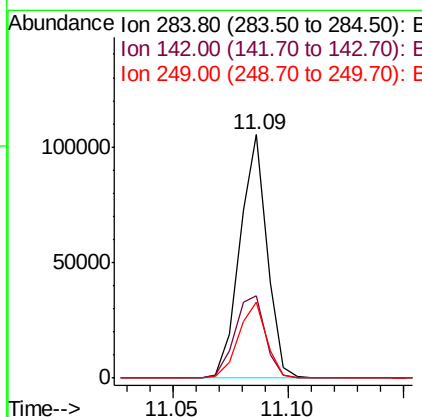
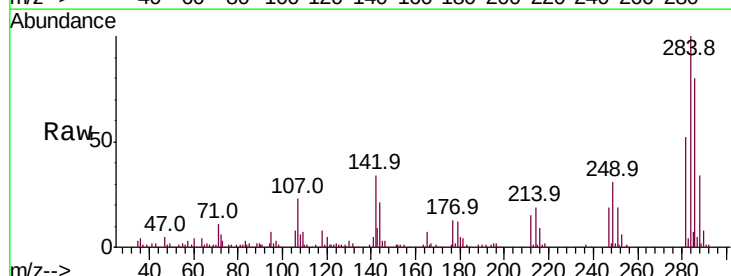
Manual Integrations
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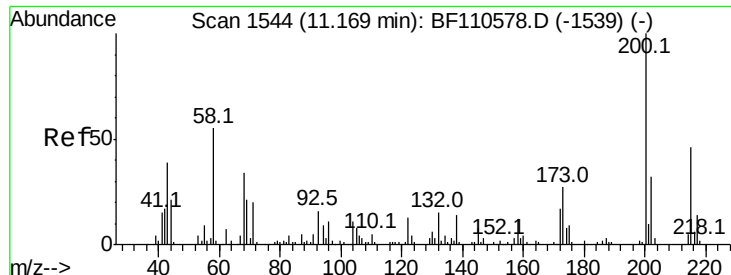
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#68
 Hexachlorobenzene
 Concen: 37.234 ng
 RT: 11.09 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: BF110819.D
 Acq: 16 Nov 2018 16:25

Tgt Ion:	284	Resp:	86622
Ion Ratio	Lower	Upper	
284	100		
142	33.6	23.9	35.9
249	31.0	24.2	36.2





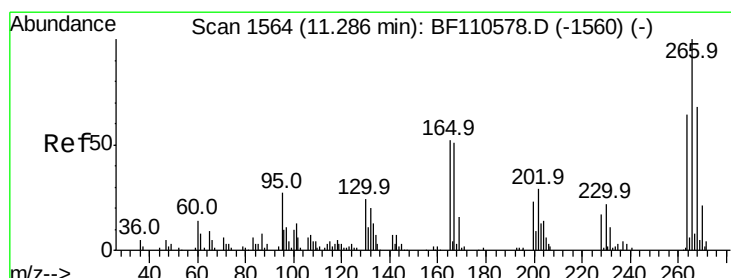
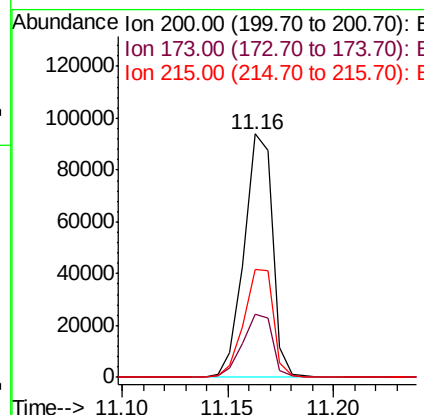
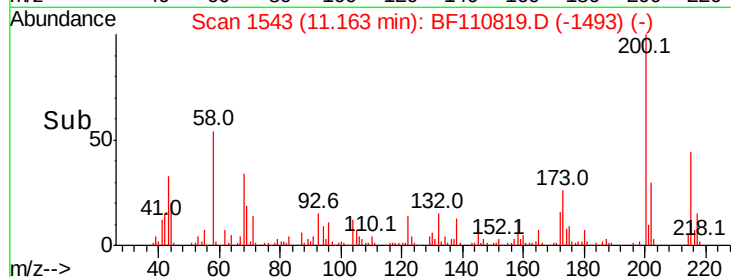
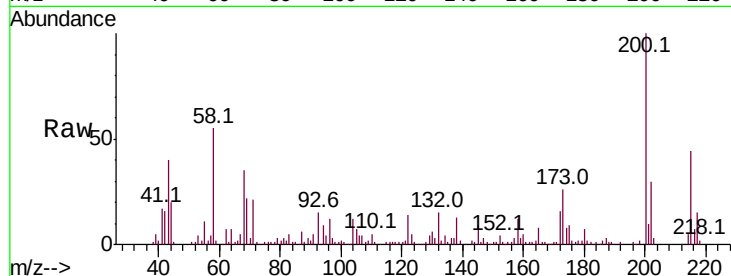
#69
Atrazine
Concen: 42.678 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.0	6.6	46.6
215	44.1	26.3	66.3

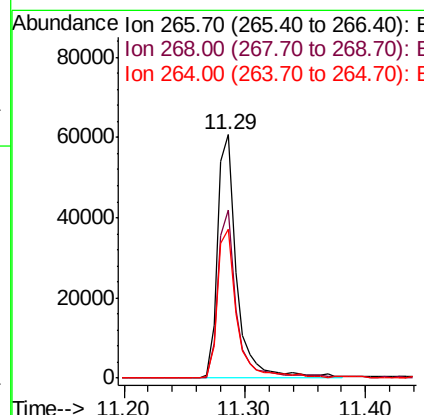
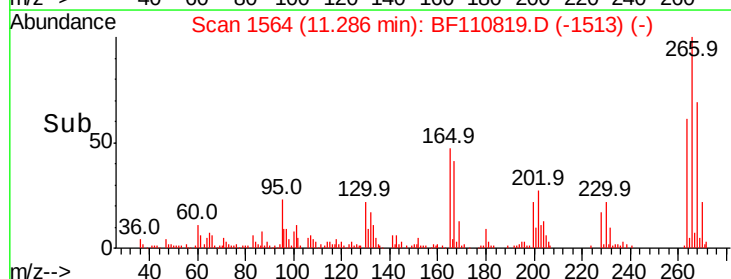
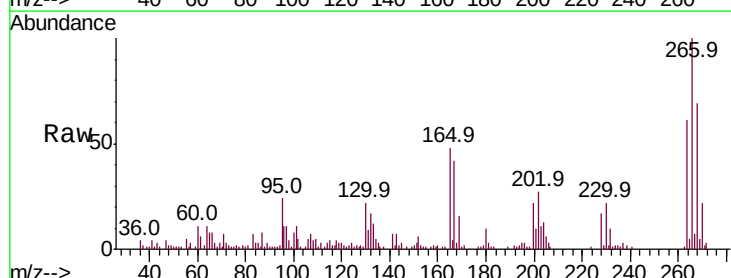
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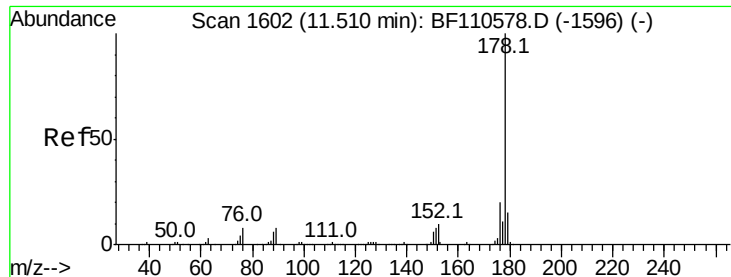
Sohil
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#70
Pentachlorophenol
Concen: 53.432 ng
RT: 11.29 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Lower	Upper
266	100		
268	69.1	50.6	75.8
264	61.3	50.6	75.8





#71

Phenanthrene

Concen: 63.846 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Instrument :

BNA_F

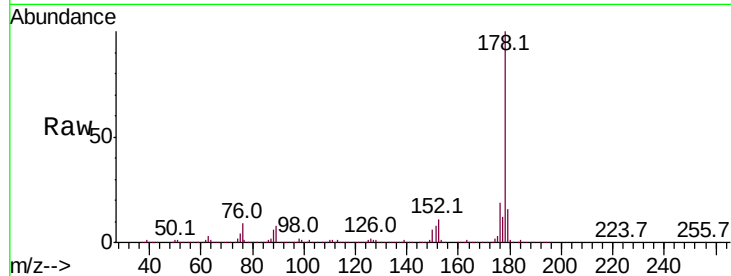
ClientSampleId :

VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.8	12.5	18.7

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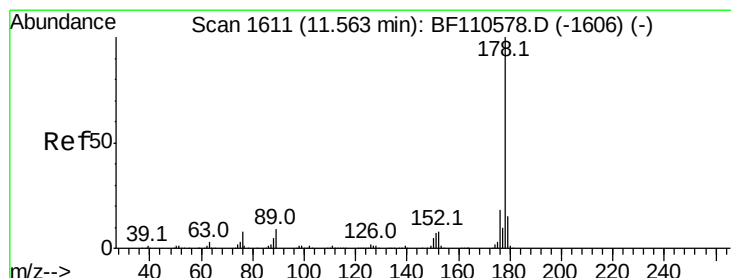
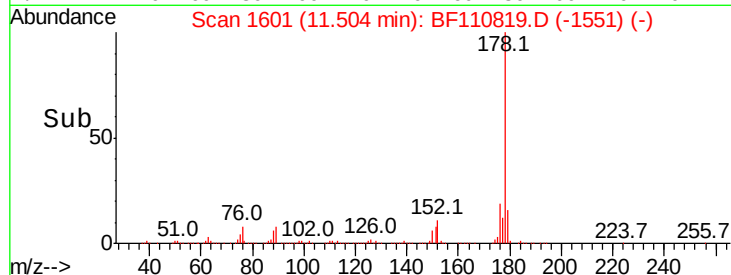
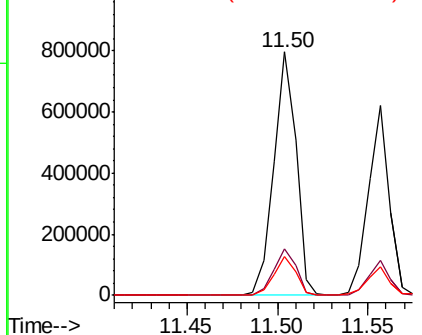


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 46.464 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

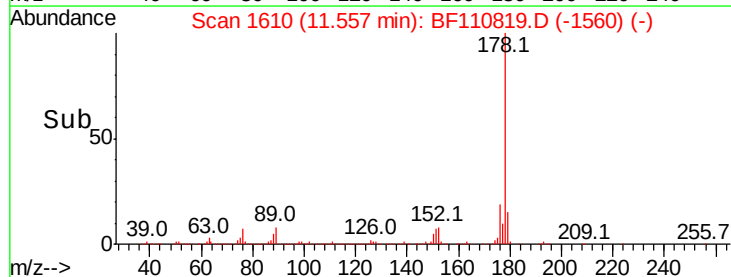
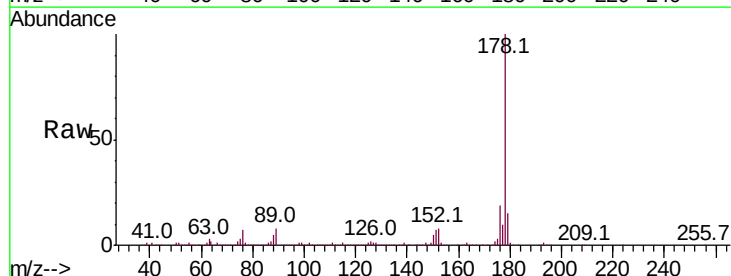
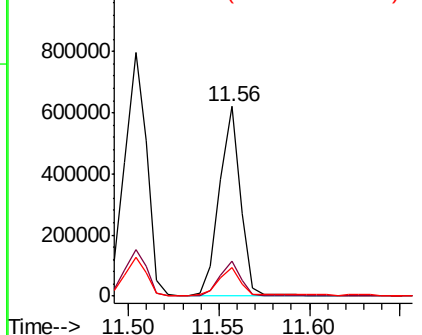
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.3	12.6	18.8

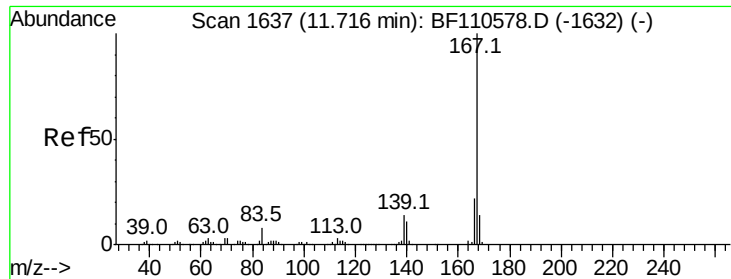
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





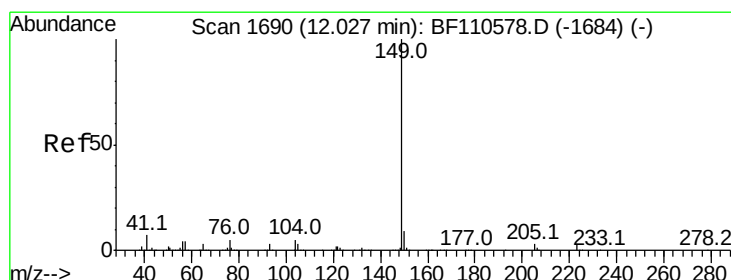
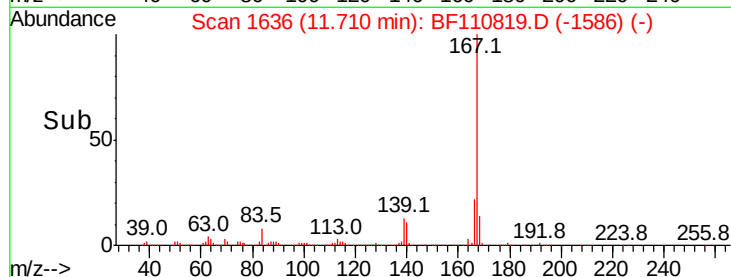
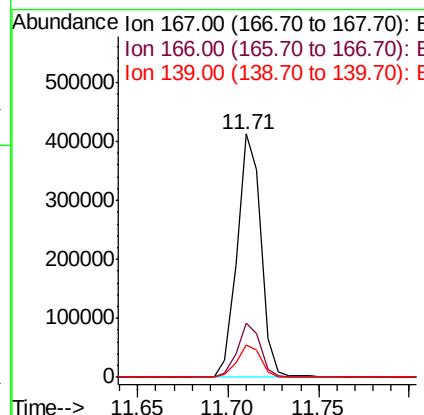
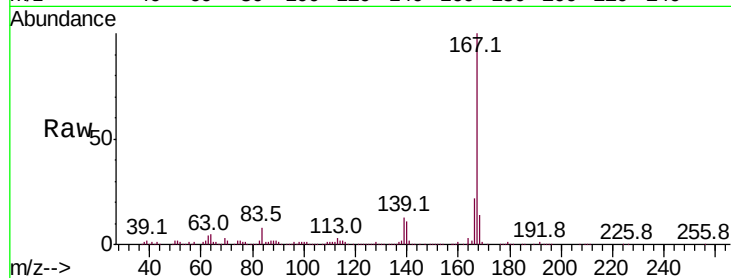
#73
 Carbazole
 Concen: 36.314 ng
 RT: 11.71 min Scan# 1636
 Delta R.T. -0.01 min
 Lab File: BF110819.D
 Acq: 16 Nov 2018 16:25

Instrument :
 BNA_F
 ClientSampleId :
 VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.4	26.0
139	13.3	10.9	16.3

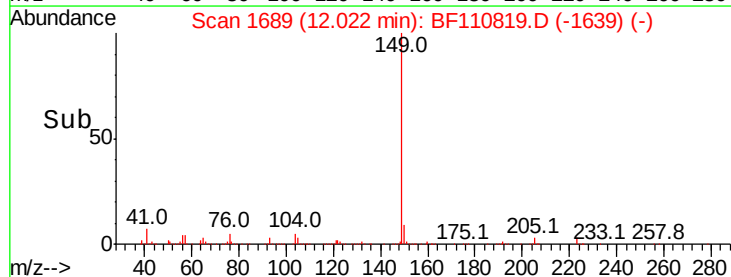
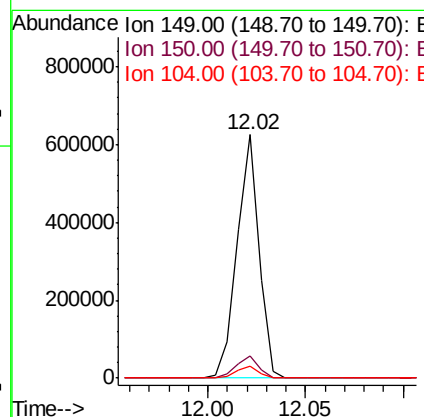
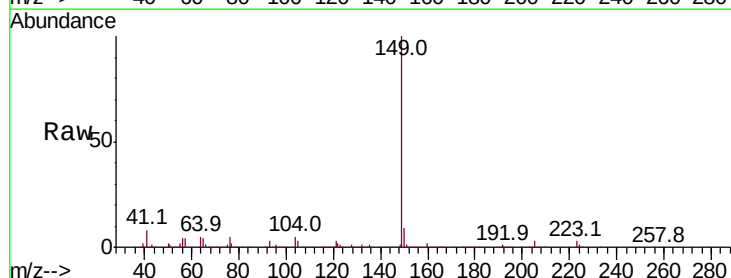
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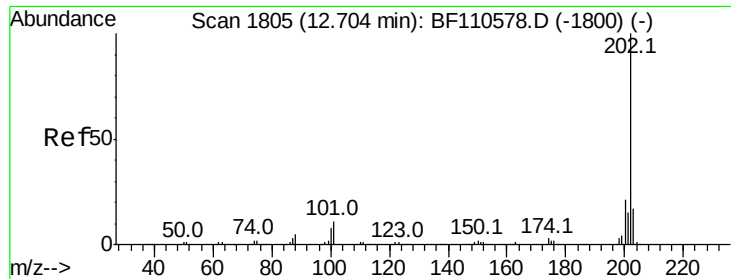
Sohil
 11/19/2018 11:55:51 AM



#74
 Di-n-butylphthalate
 Concen: 39.976 ng
 RT: 12.02 min Scan# 1689
 Delta R.T. -0.01 min
 Lab File: BF110819.D
 Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.7	11.5
104	4.9	4.2	6.4





#75

Fluoranthene

Concen: 66.303 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.00 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Instrument :

BNA_F

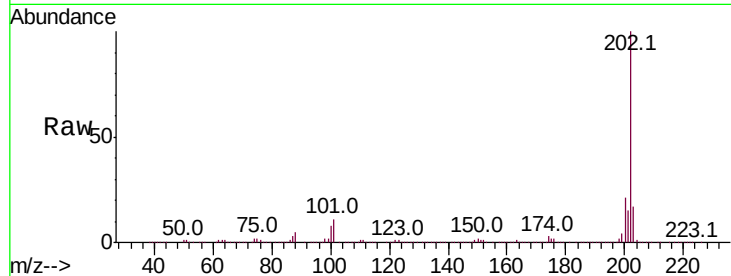
ClientSampleId :

VTW-01(7-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	711040		
101	10.6	0.0	31.4	
203	17.5	0.0	37.7	

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11/19/2018 11:55:51 AM

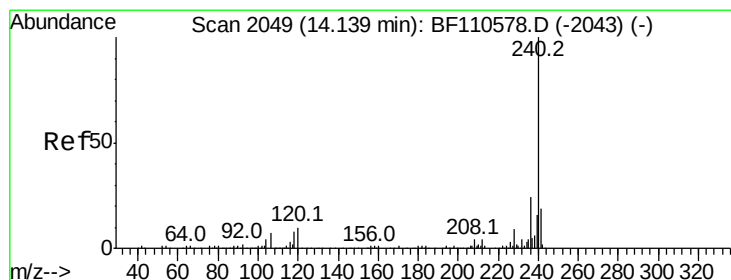
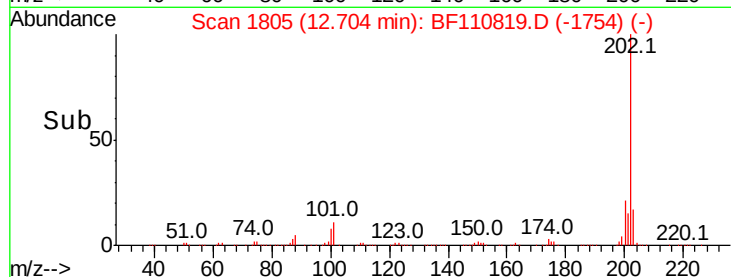
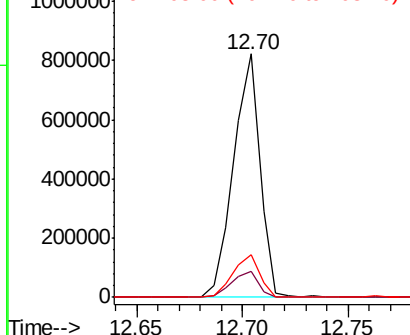


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

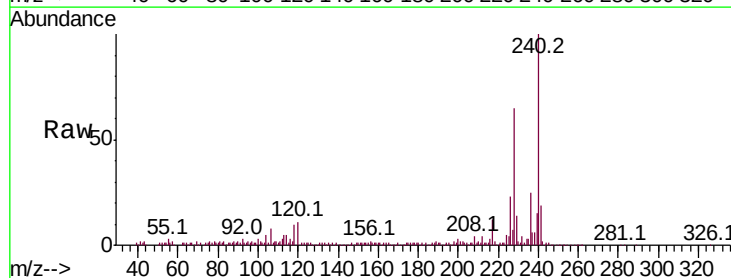
RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	143395		
120	10.8	8.3	12.5	
236	24.7	21.2	31.8	

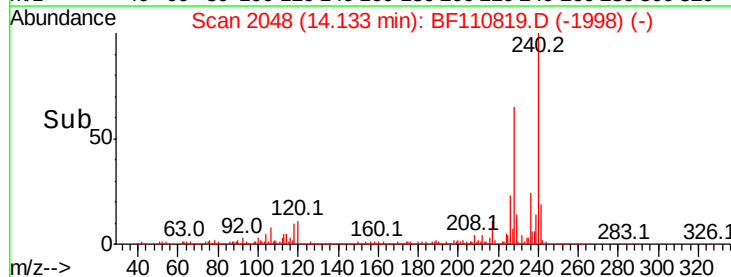
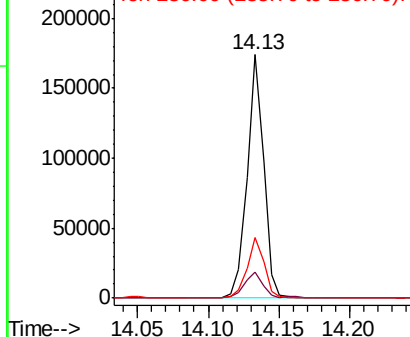


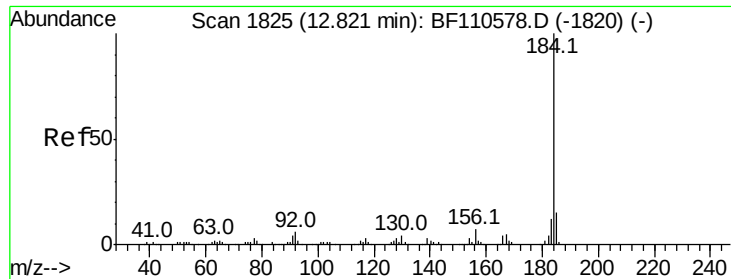
Abundance

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





#77

Benzidine

Concen: 30.451 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Instrument :

BNA_F

ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:184 Resp: 120081

Ion Ratio Lower Upper

184 100

185 14.5 13.4 20.2

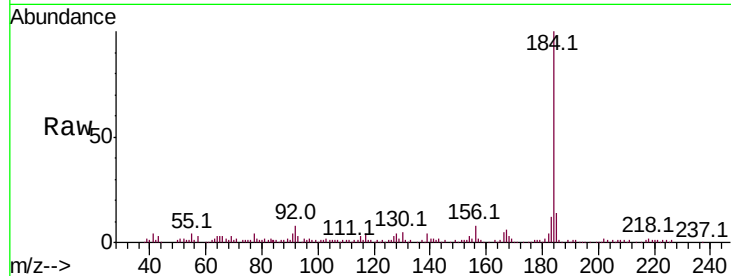
183 11.8 9.4 14.2

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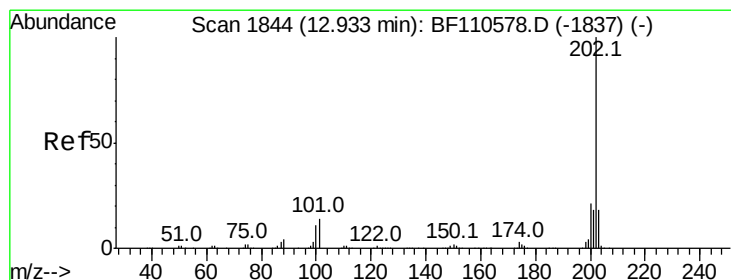
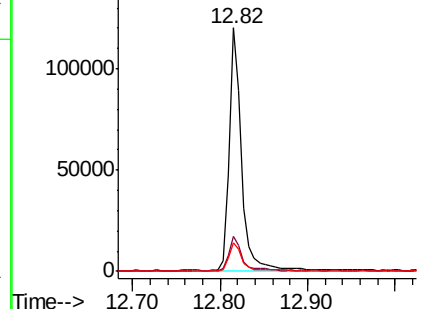
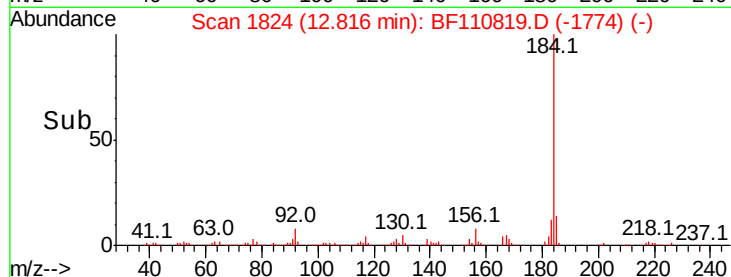
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 64.262 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

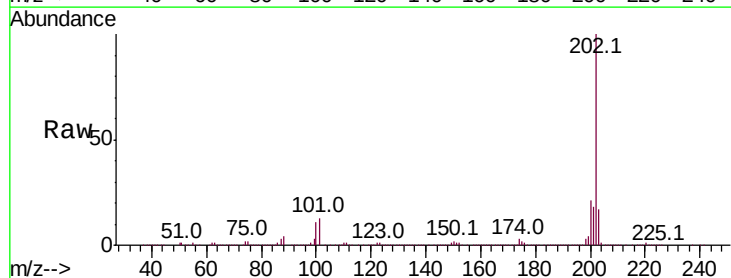
Tgt Ion:202 Resp: 709525

Ion Ratio Lower Upper

202 100

200 21.0 17.8 26.6

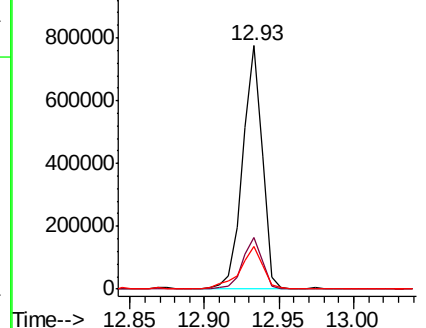
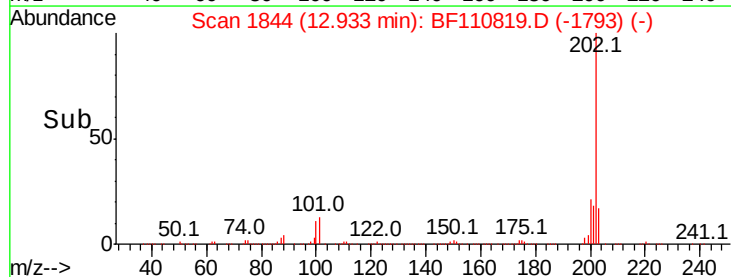
203 17.4 14.2 21.4

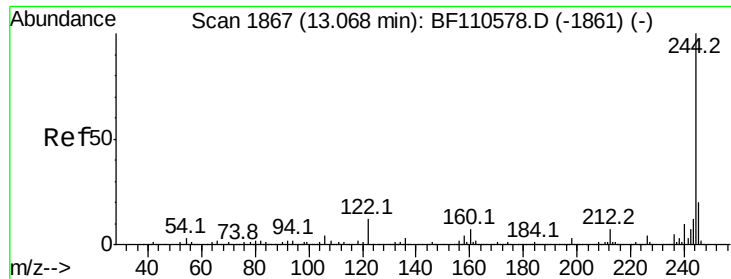


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 70.388 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Instrument :

BNA_F

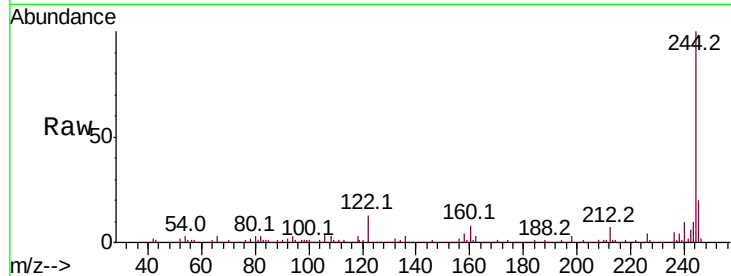
ClientSampleId :

VTW-01(7-10)MSD

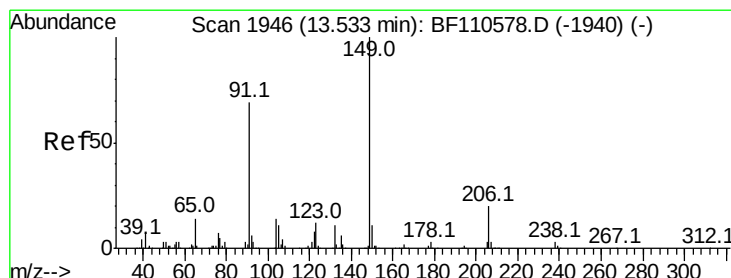
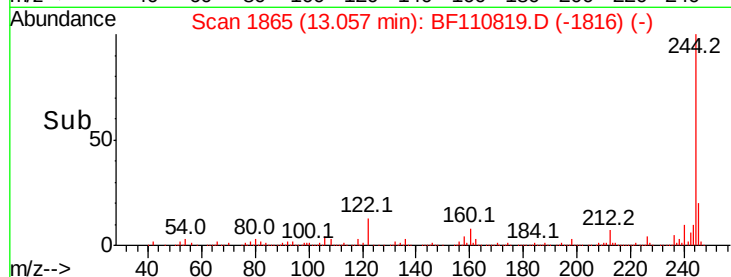
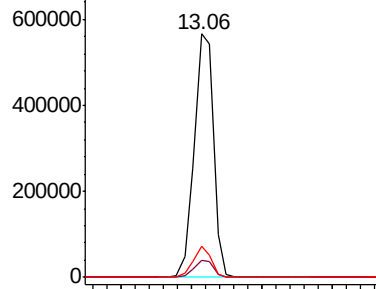
Tot Ion:	244	Resp:	538951
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.8	8.8
122	12.7	8.7	13.1

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 35.725 ng

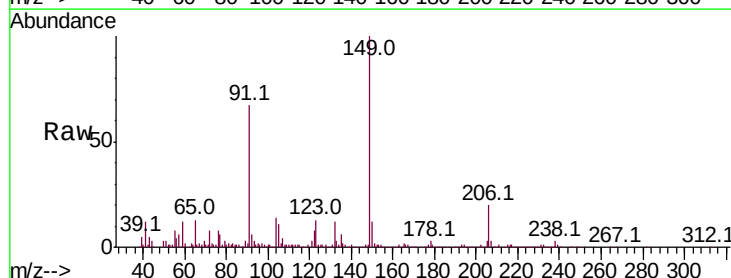
RT: 13.53 min Scan# 1945

Delta R.T. -0.01 min

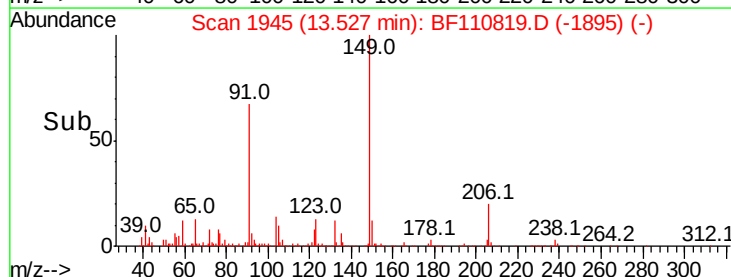
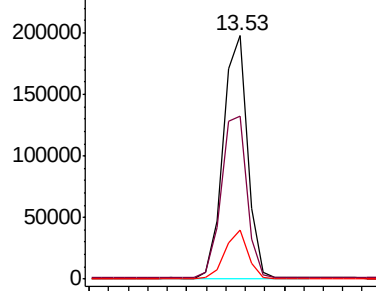
Lab File: BF110819.D

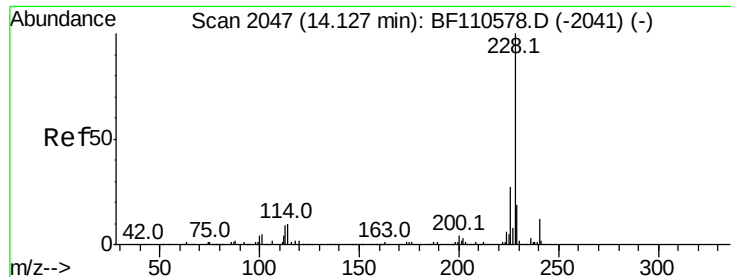
Acq: 16 Nov 2018 16:25

Tgt Ion:	149	Resp:	169774
Ion Ratio	Lower	Upper	
149	100		
91	67.2	57.2	85.8
206	19.9	15.7	23.5



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 60.032 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Instrument :

BNA_F

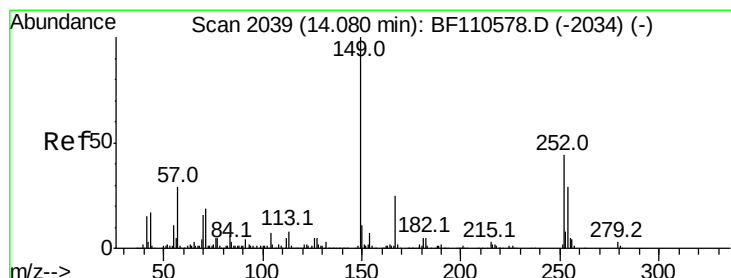
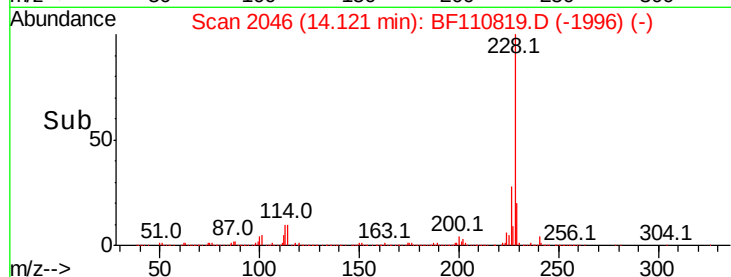
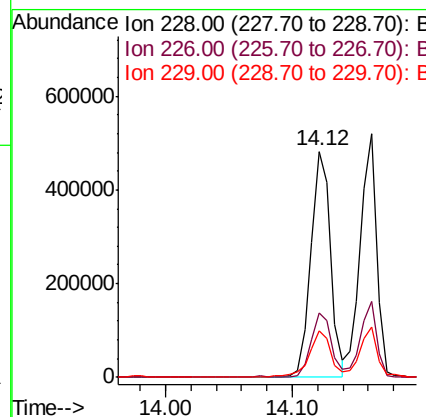
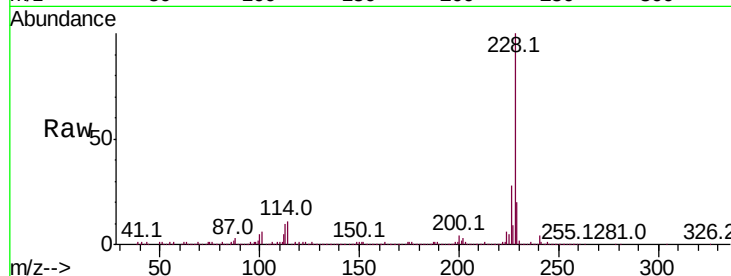
ClientSampleId :

VTW-01(7-10)MSD

Tot Ion:	228	Resp:	514524
Ion Ratio	Lower	Upper	
228	100		
226	28.5	22.1	33.1
229	20.3	15.6	23.4

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 31.894 ng

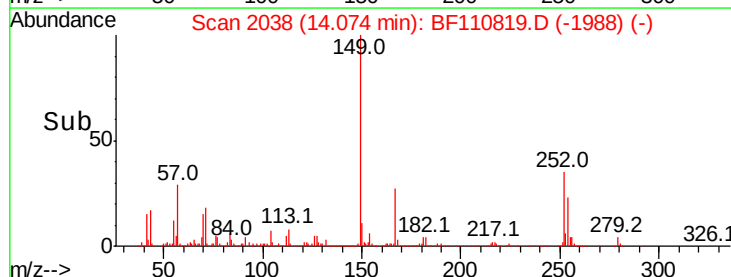
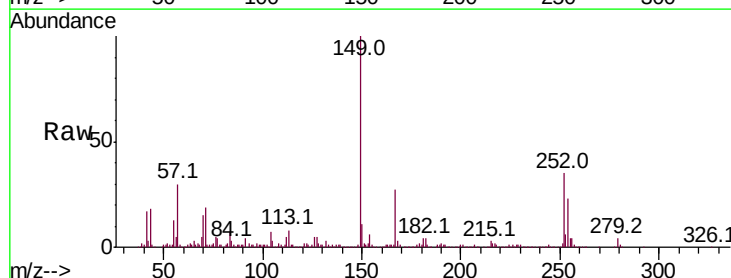
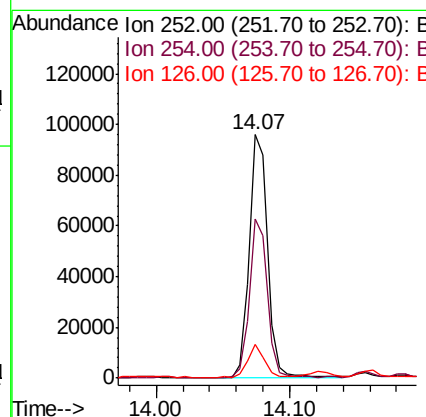
RT: 14.07 min Scan# 2038

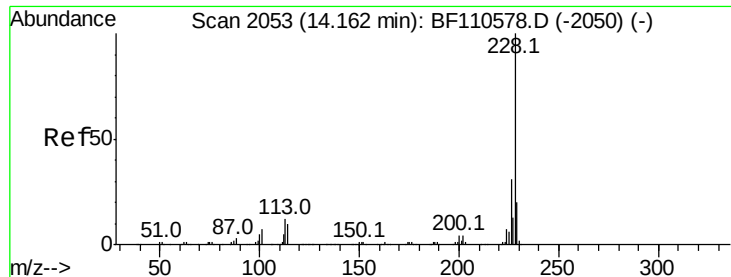
Delta R.T. -0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Tgt Ion:	252	Resp:	91574
Ion Ratio	Lower	Upper	
252	100		
254	65.5	51.3	76.9
126	13.8	9.4	14.2





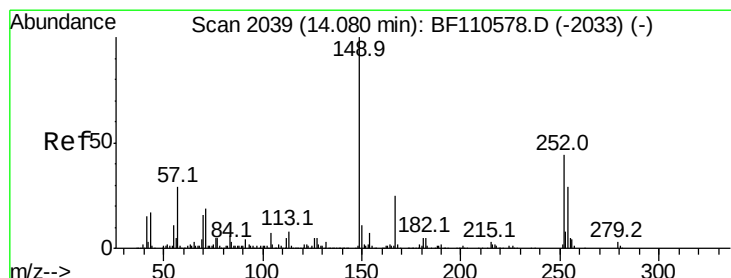
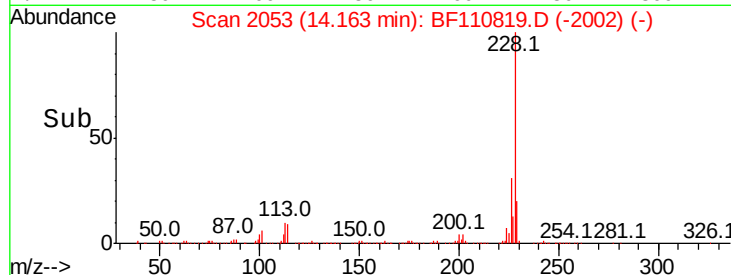
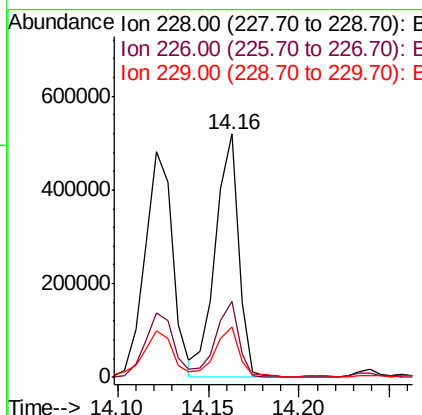
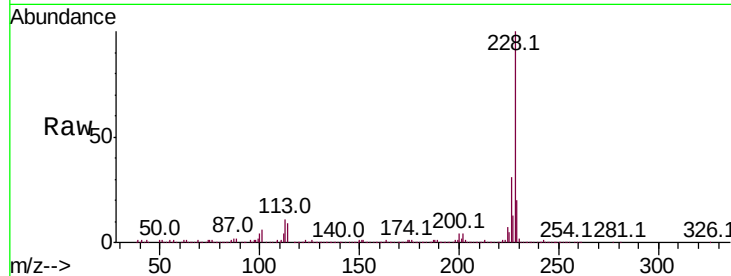
#83
Chrysene
Concen: 56.983 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.00 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.7	37.1
229	20.4	15.9	23.9

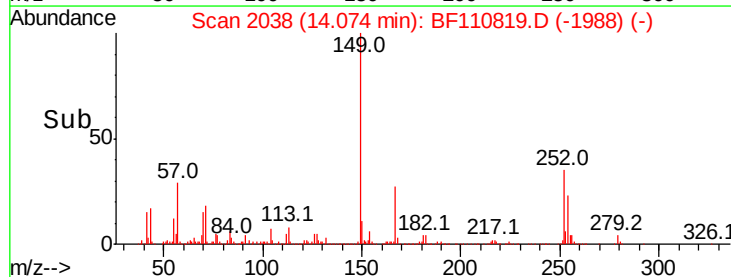
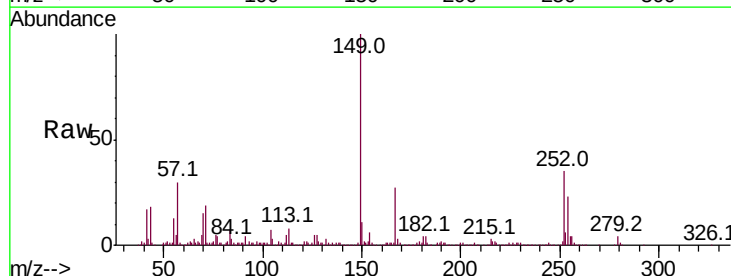
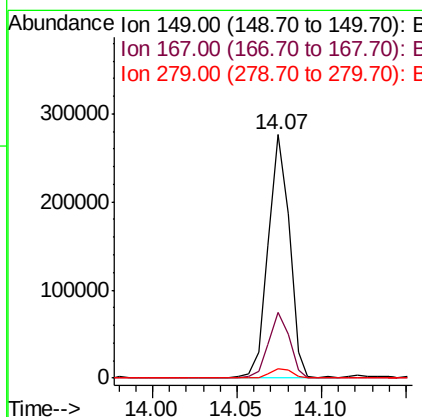
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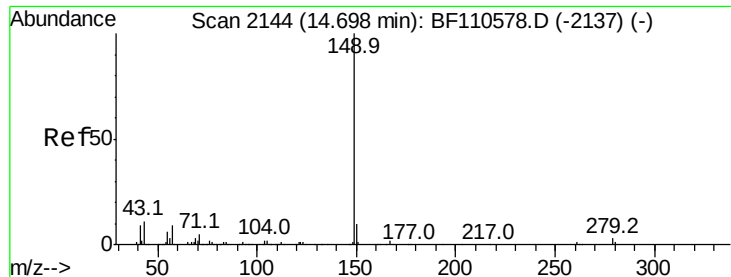
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#84
Bis(2-ethylhexyl)phthalate
Concen: 40.607 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	19.8	29.8
279	3.6	2.7	4.1





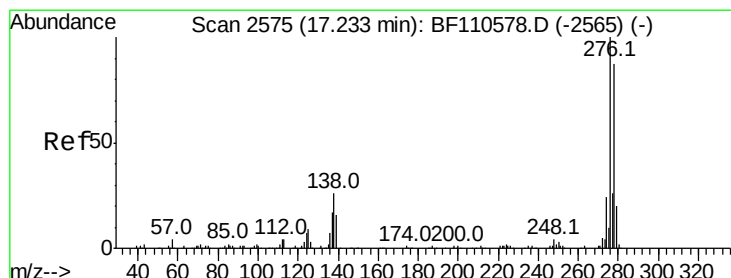
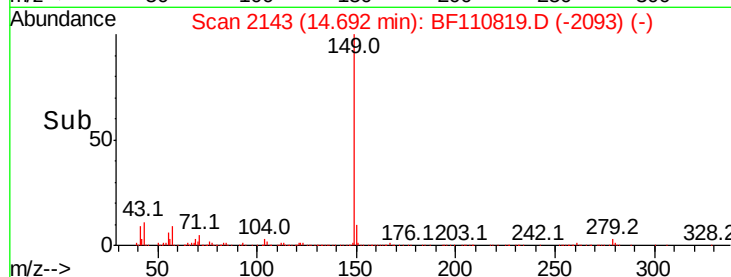
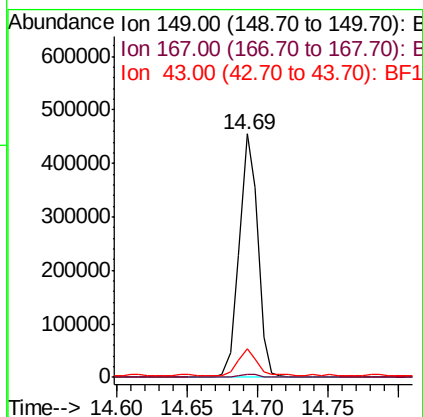
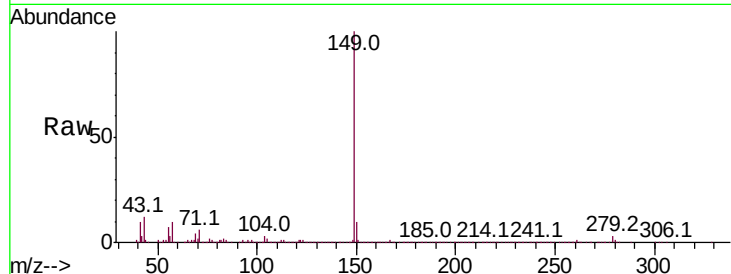
#85
Di-n-octyl phthalate
Concen: 47.681 ng
RT: 14.69 min Scan# 2143
Delta R.T. -0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.5	1.1	1.7	
43	10.3	7.8	11.8	

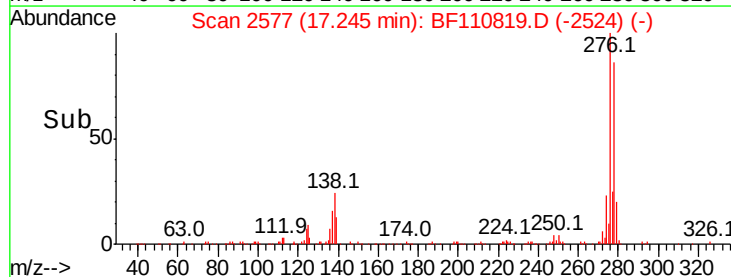
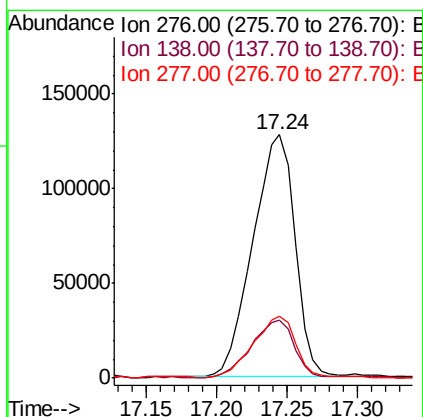
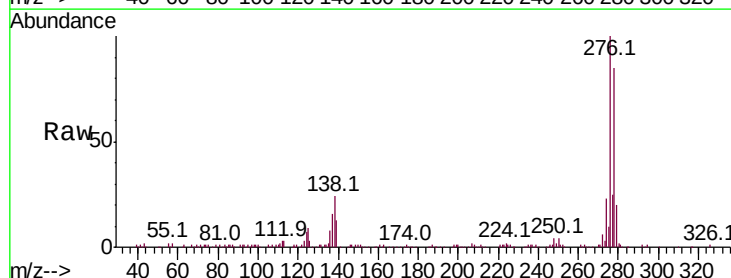
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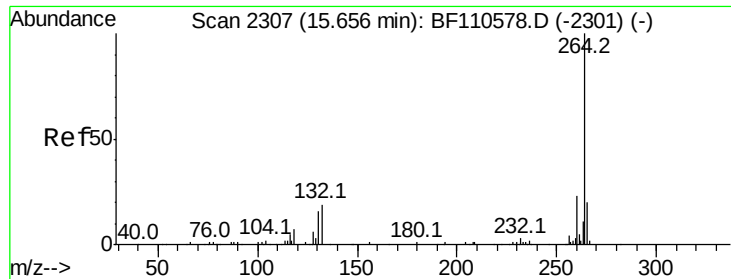
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 45.786 ng
RT: 17.24 min Scan# 2577
Delta R.T. 0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	23.5	18.5	27.7	
277	25.3	20.0	30.0	





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2308

Delta R.T. 0.01 min

Lab File: BF110819.D

Acq: 16 Nov 2018 16:25

Instrument :

BNA_F

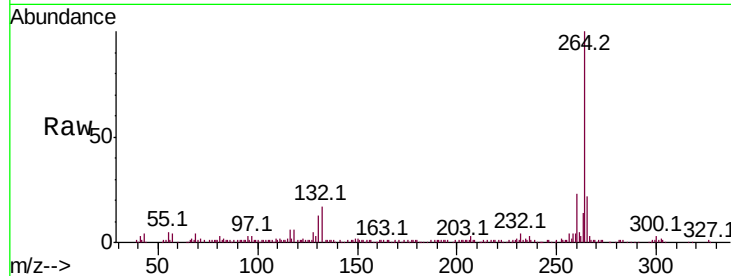
ClientSampleId :

VTW-01(7-10)MSD

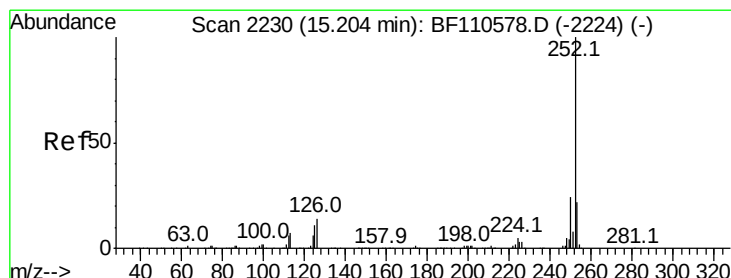
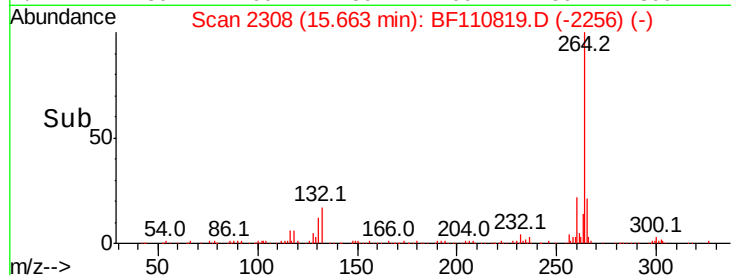
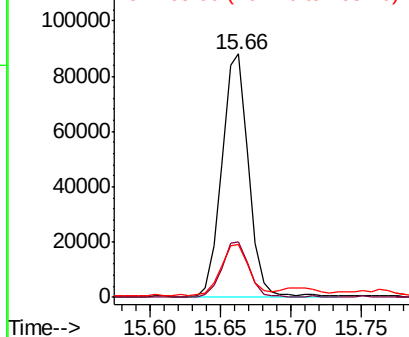
Tot Ion:	264	Resp:	116240
Ion Ratio	Lower	Upper	
264	100		
260	22.5	18.7	28.1
265	21.6	16.7	25.1

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 62.444 ng

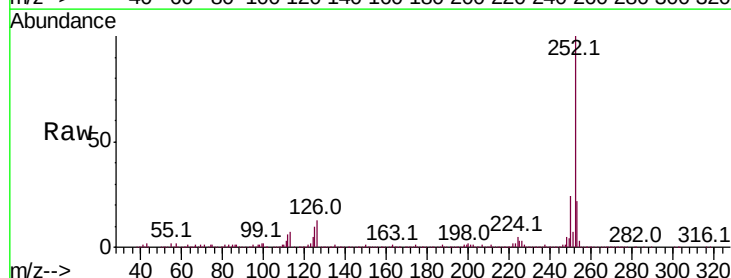
RT: 15.21 min Scan# 2231

Delta R.T. 0.01 min

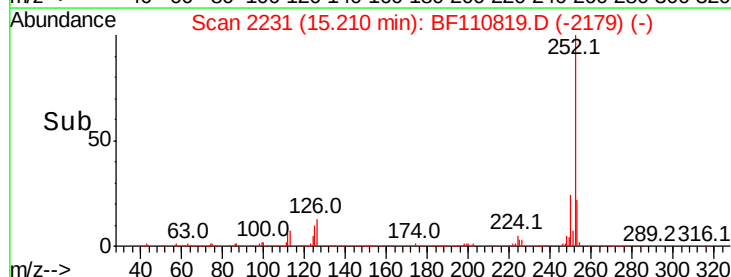
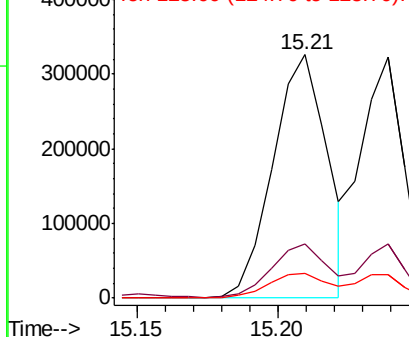
Lab File: BF110819.D

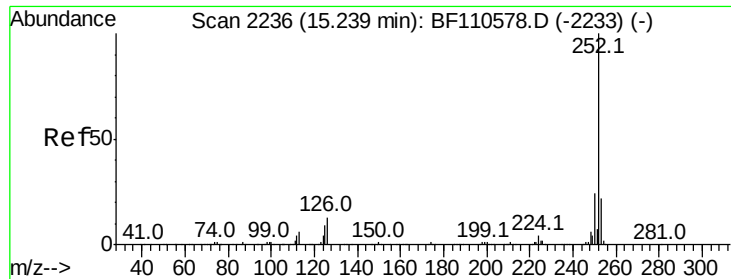
Acq: 16 Nov 2018 16:25

Tgt Ion:	252	Resp:	434231
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.2	25.8
125	10.2	8.2	12.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





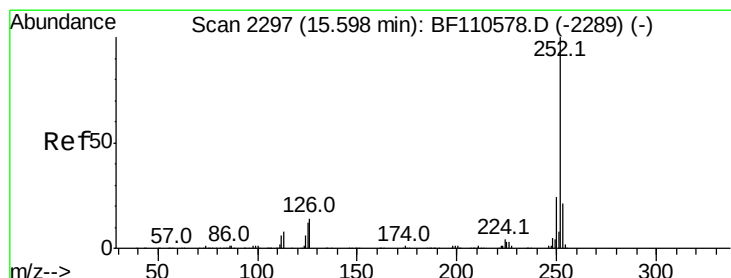
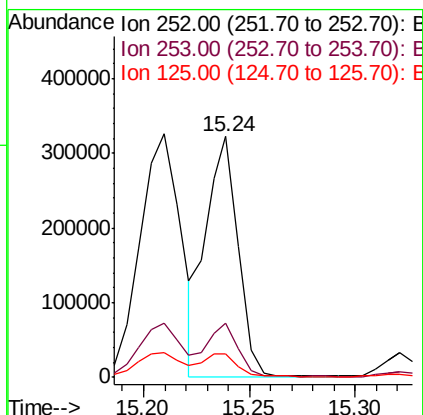
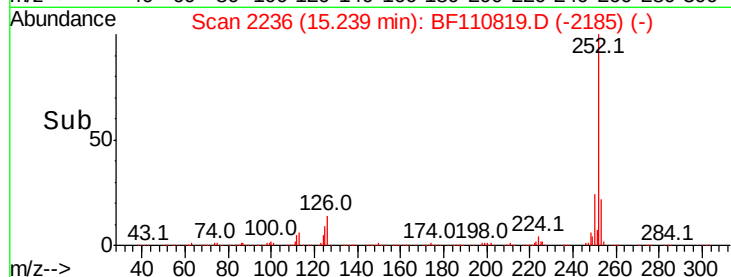
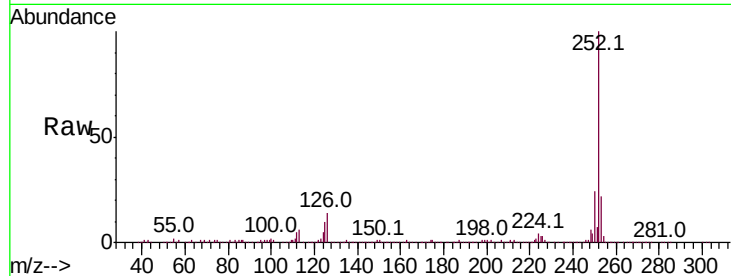
#89
Benzo(k)fluoranthene
Concen: 49.651 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	9.6	7.4	11.0

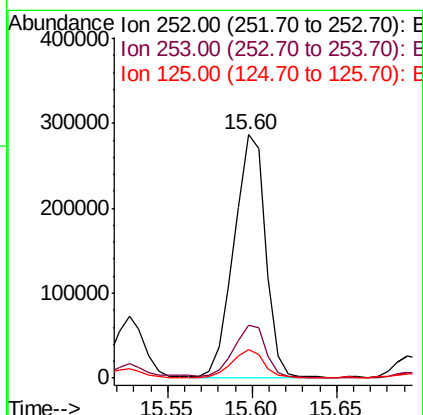
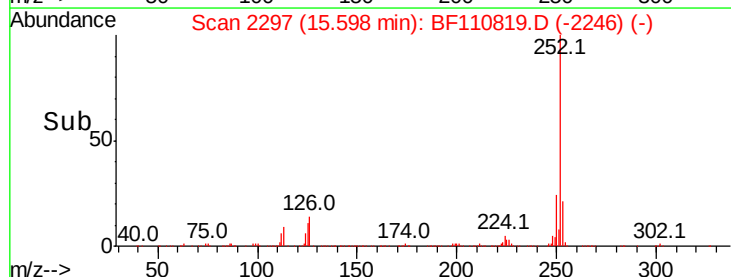
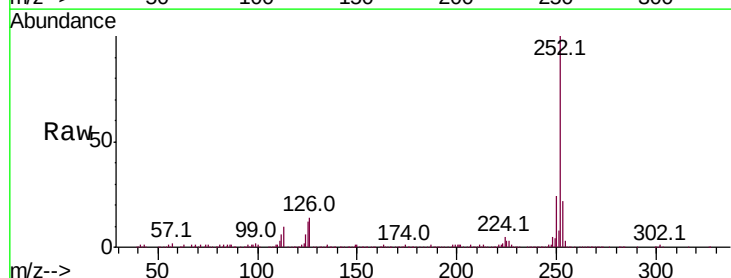
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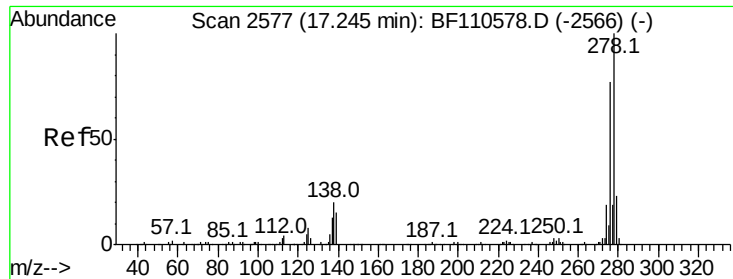
Sohil
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#90
Benzo(a)pyrene
Concen: 59.343 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.00 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.4
125	11.8	9.0	13.6





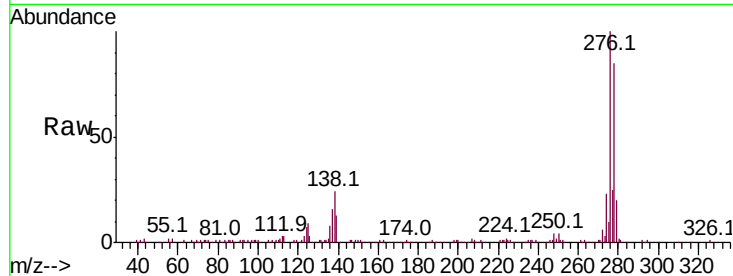
#91
Dibenzo(a,h)anthracene
Concen: 36.036 ng
RT: 17.24 min Scan# 2577
Delta R.T. 0.00 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Instrument :
BNA_F
ClientSampleId :
VTW-01(7-10)MSD

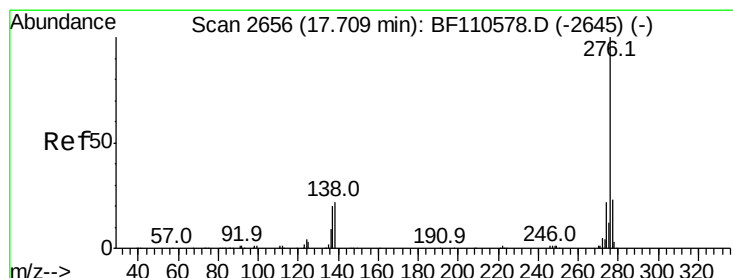
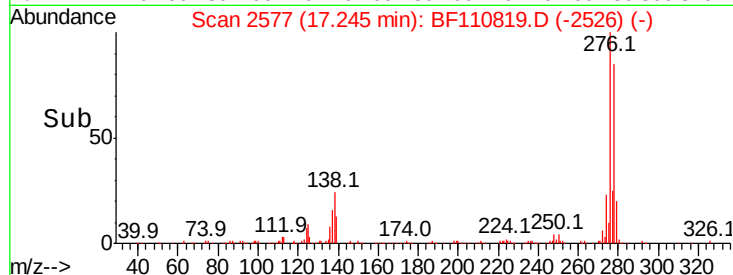
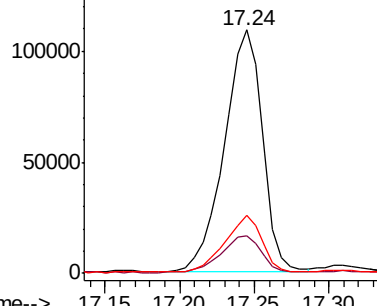
Tot Ion	Ratio	Lower	Upper
278	100		
139	15.5	12.7	19.1
279	23.8	19.0	28.4

Manual Integrations
APPROVED

Sohil
11/19/2018 11:55:51 AM

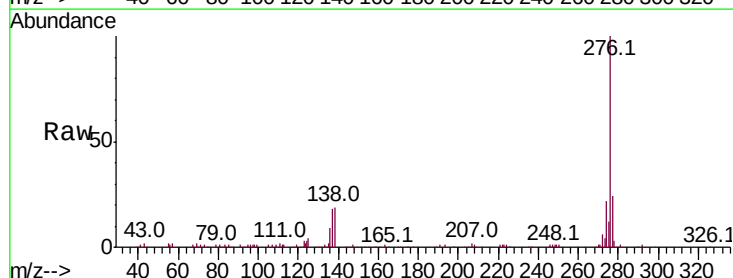


Abundance Ion 278.00 (277.70 to 278.70): E
150000 Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 43.276 ng
RT: 17.72 min Scan# 2658
Delta R.T. 0.01 min
Lab File: BF110819.D
Acq: 16 Nov 2018 16:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	18.9	16.0	24.0



Abundance Ion 276.00 (275.70 to 276.70): E
150000 Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

