

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
 Data File : BF110900.D
 Acq On : 20 Nov 2018 17:55
 Operator : JU/SJ
 Sample : J5981-04MSD 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Manual Integrations
 APPROVED

Sohil

11/21/2018 3:17:58 PM

Quant Time: Nov 21 04:38:29 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	64034	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	263775	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	121699	20.00	ng	-0.01
64) Phenanthrene-d10	11.49	188	175455	20.00	ng	0.00
76) Chrysene-d12	14.16	240	118599	20.00	ng	0.02
87) Perylene-d12	15.69	264	112208	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	126720	32.14	ng	0.00
7) Phenol-d6	6.56	99	165804	32.89	ng	-0.01
23) Nitrobenzene-d5	7.50	82	100756	22.00	ng	-0.01
42) 2,4,6-Tribromophenol	10.78	330	30678	25.02	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	178050	20.89	ng	-0.01
79) Terphenyl-d14	13.06	244	122359	19.32	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.76	88	11846	6.031	ng	90
3) Pyridine	3.59	79	31651	7.465	ng	# 81
4) n-Nitrosodimethylamine	3.53	42	15563	8.555	ng	# 84
6) Aniline	6.61	93	37544	5.711	ng	# 62
8) 2-Chlorophenol	6.73	128	42894	9.282	ng	100
9) Benzaldehyde	6.50	77	21231	5.576	ng	96
10) Phenol	6.58	94	81591	13.958	ng	# 67
11) bis(2-Chloroethyl)ether	6.67	93	37350	8.526	ng	94
12) 1,3-Dichlorobenzene	6.88	146	44114	8.724	ng	98
13) 1,4-Dichlorobenzene	6.96	146	45347	8.831	ng	99
14) 1,2-Dichlorobenzene	7.11	146	43263	9.057	ng	99
15) Benzyl Alcohol	7.09	79	36628	9.285	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.21	45	61845	8.990	ng	78
17) 2-Methylphenol	7.19	107	39398	10.712	ng	# 81
18) Hexachloroethane	7.45	117	15512	8.183	ng	93
19) n-Nitroso-di-n-propylamine	7.34	70	30284	9.411	ng	97
20) 3+4-Methylphenols	7.35	107	62772	13.295	ng	# 57
22) Acetophenone	7.35	105	62782	10.213	ng	# 90
24) Nitrobenzene	7.53	77	44734	9.533	ng	95
25) Isophorone	7.76	82	79865	10.639	ng	98
26) 2-Nitrophenol	7.85	139	20898	8.927	ng	98
27) 2,4-Dimethylphenol	7.87	122	42605	11.950	ng	99
28) bis(2-Chloroethoxy)methane	7.96	93	50458	9.927	ng	97
29) 2,4-Dichlorophenol	8.10	162	35981	9.808	ng	99
30) 1,2,4-Trichlorobenzene	8.16	180	38608	9.334	ng	96
31) Naphthalene	8.25	128	1330007	107.407	ng	100
32) Benzoic acid	8.02	122	7435	2.947	ng	# 25
33) 4-Chloroaniline	8.30	127	35589	6.345	ng	97
34) Hexachlorobutadiene	8.35	225	20731	8.775	ng	97
35) Caprolactam	8.65	113	10494	8.562	ng	# 75
36) 4-Chloro-3-methylphenol	8.78	107	39857	10.074	ng	95
37) 2-Methylnaphthalene	8.94	142	309284	38.101	ng	98
38) 1-Methylnaphthalene	9.04	142	290302	37.186	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.10	216	35436	9.199	ng	98

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Manual Integrations
 APPROVED

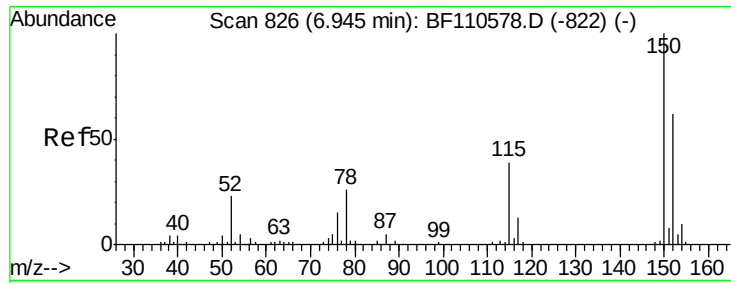
Sohil

11/21/2018 3:17:58 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	9.22	196	23120	9.551	ng	94
44) 2,4,5-Trichlorophenol	9.27	196	24174	9.362	ng	94
46) 1,1'-Biphenyl	9.40	154	245724	21.644	ng	99
47) 2-Chloronaphthalene	9.43	162	75725	9.259	ng	99
48) 2-Nitroaniline	9.53	65	26472	10.503	ng	97
49) Acenaphthylene	9.85	152	1139160	96.713	ng	97
50) Dimethylphthalate	9.69	163	118201	13.017	ng	100
51) 2,6-Dinitrotoluene	9.77	165	17668	8.845	ng	# 76
52) Acenaphthene	10.02	154	336363	45.187	ng	98
53) 3-Nitroaniline	9.95	138	16930	7.315	ng	# 94
55) Dibenzofuran	10.20	168	1059469	97.282	ng	99
56) 4-Nitrophenol	10.13	139	18528	12.067	ng	88
57) 2,4-Dinitrotoluene	10.19	165	23197	8.931	ng	# 1
58) Fluorene	10.55	166	1381756	165.179	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.32	232	16839	8.290	ng	# 77
60) Diethylphthalate	10.39	149	86283	9.604	ng	99
61) 4-Chlorophenyl-phenylether	10.52	204	36995	8.541	ng	97
62) 4-Nitroaniline	10.56	138	15756	6.761	ng	97
63) Azobenzene	10.68	77	80947	9.235	ng	# 61
66) n-Nitrosodiphenylamine	10.64	169	73971	12.508	ng	92
67) 4-Bromophenyl-phenylether	11.01	248	20329	10.484	ng	# 84
68) Hexachlorobenzene	11.10	284	20053	9.809	ng	98
69) Atrazine	11.17	200	20369	11.264	ng	98
70) Pentachlorophenol	11.31	266	11132	10.204	ng	96
71) Phenanthrene	11.54	178	5005772	532.530	ng	97
72) Anthracene	11.58	178	2319632	244.628	ng	99
73) Carbazole	11.72	167	524482	57.594	ng	99
74) Di-n-butylphthalate	12.02	149	110559	10.353	ng	# 94
75) Fluoranthene	12.74	202	4680183	496.618	ng	98
77) Benzidine	12.83	184	29334	8.994	ng	98
78) Pyrene	12.97	202	3720874	407.461	ng	98
80) Butylbenzylphthalate	13.53	149	41847	10.647	ng	100
81) Benzo(a)anthracene	14.14	228	2314767	326.539	ng	# 89
82) 3,3'-Dichlorobenzidine	14.09	252	26645	11.220	ng	# 96
83) Chrysene	14.19	228	1719111	254.551	ng	96
84) Bis(2-ethylhexyl)phthalate	14.08	149	59490	12.201	ng	97
85) Di-n-octyl phthalate	14.69	149	106950	14.916	ng	# 99
86) Indeno(1,2,3-cd)pyrene	17.29	276	651866	134.509	ng	97
88) Benzo(b)fluoranthene	15.24	252	1997508m	297.573	ng	
89) Benzo(k)fluoranthene	15.27	252	692376m	104.385	ng	
90) Benzo(a)pyrene	15.64	252	1373318	225.173	ng	100
91) Dibenzo(a,h)anthracene	17.28	278	197931	38.350	ng	94
92) Benzo(g,h,i)perylene	17.77	276	535627	104.597	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: BF110900.D
Acq: 20 Nov 2018 17:55

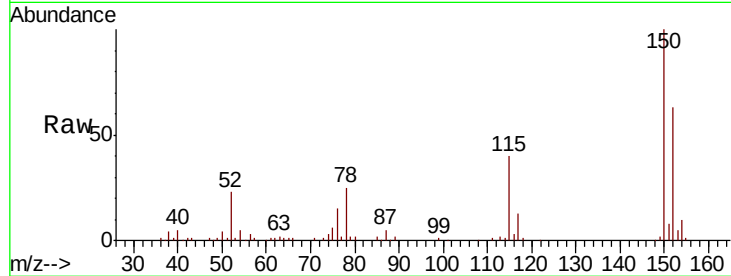
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	122.7	184.1
115	62.9	49.1	73.7

Manual Integrations
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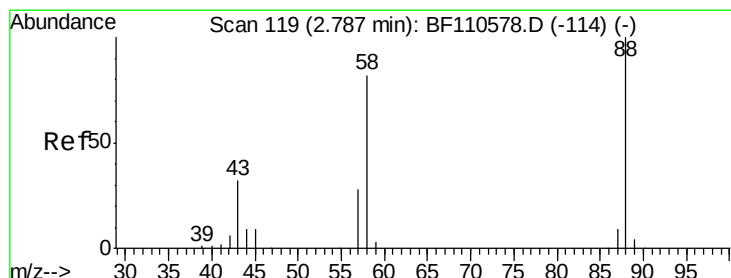
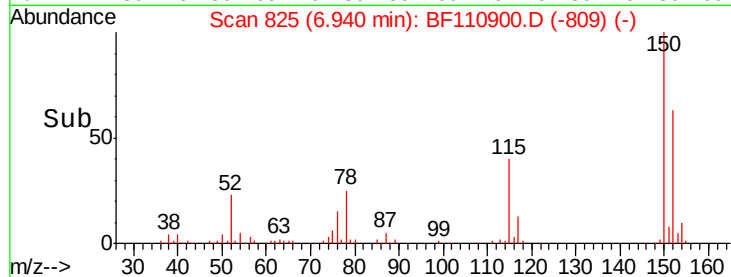
Abundance

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

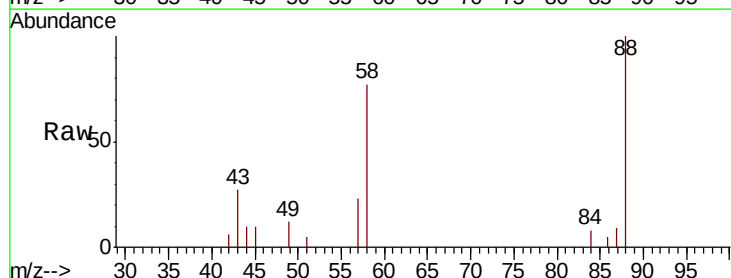
Time-->



#2

1,4-Dioxane
Concen: 6.031 ng
RT: 2.76 min Scan# 114
Delta R.T. -0.03 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion	Ratio	Lower	Upper
88	100		
58	80.1	57.1	85.7
43	35.2	24.1	36.1



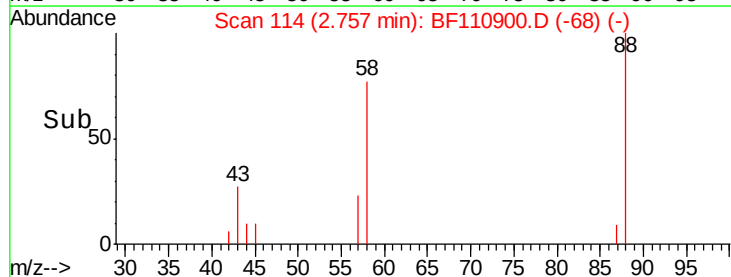
Abundance

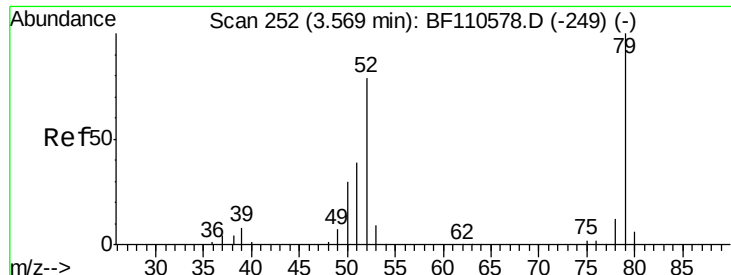
Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1

Time-->





#3
 Pvridine
 Concen: 7.465 ng
 RT: 3.59 min Scan# 256
 Delta R.T. 0.02 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

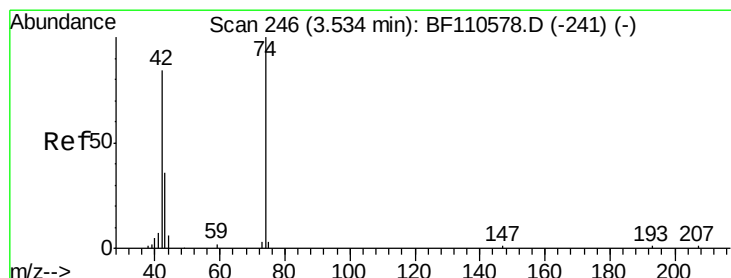
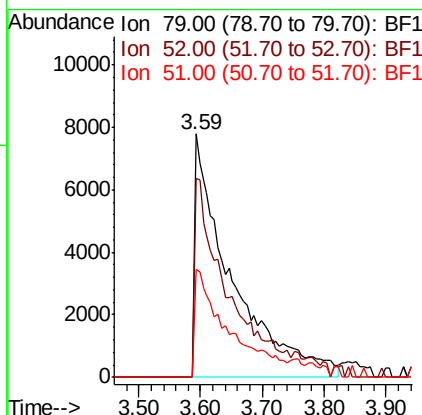
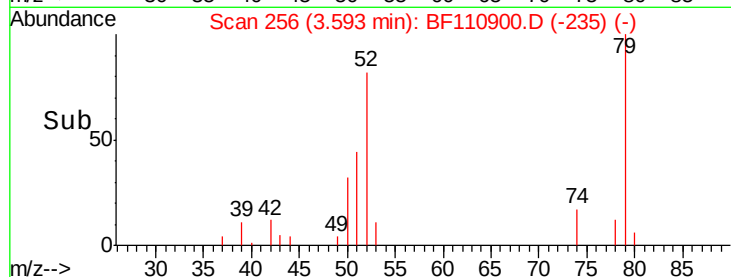
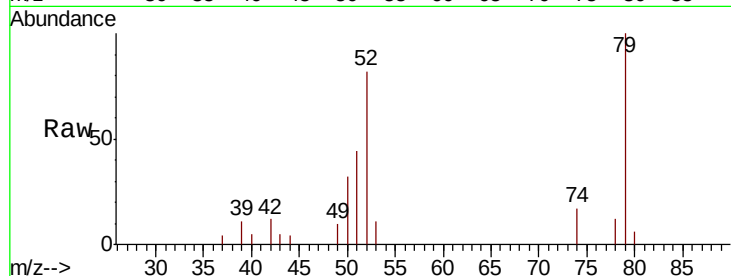
Instrument :
 BNA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	81.8	53.1	79.7#
51	44.3	27.4	41.2#

Manual Integrations
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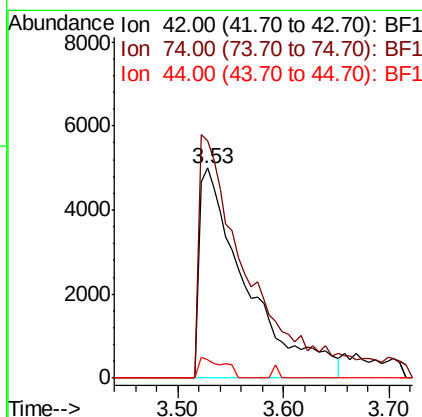
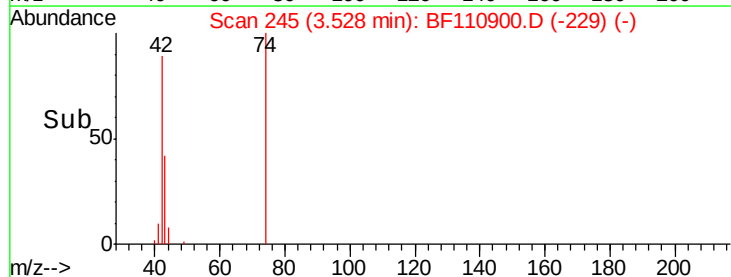
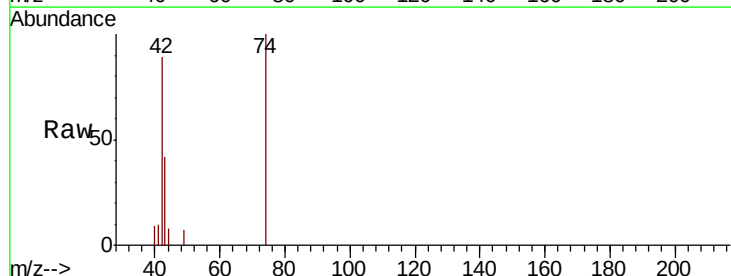
Sohil

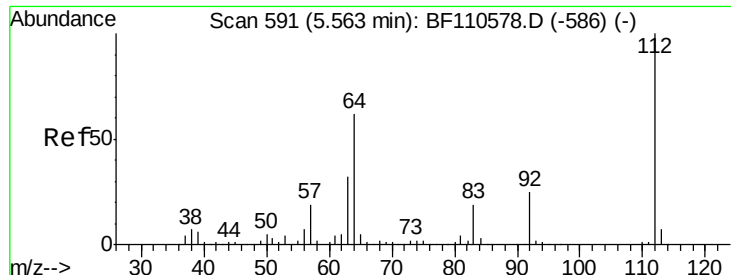
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#4
 n-Nitrosodimethylamine
 Concen: 8.555 ng
 RT: 3.53 min Scan# 245
 Delta R.T. -0.01 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

Tgt Ion	Ratio	Lower	Upper
42	100		
74	113.0	105.5	158.3
44	9.0	4.9	7.3#





#5
2-Fluorophenol
Concen: 32.144 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

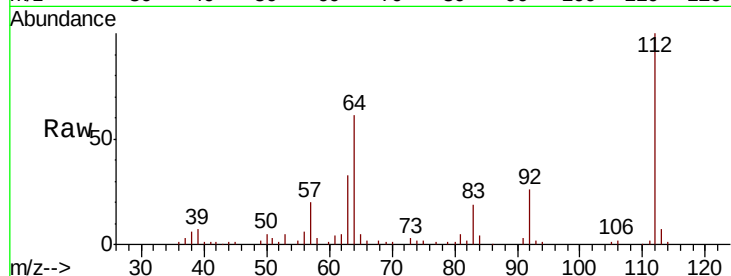
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	60.8	44.1	66.1
63	33.4	23.7	35.5

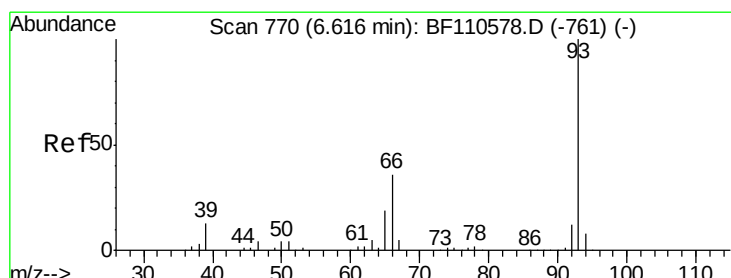
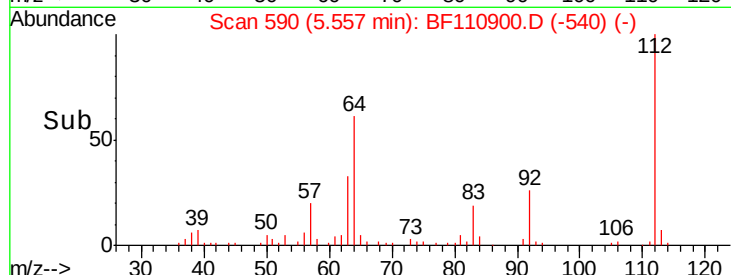
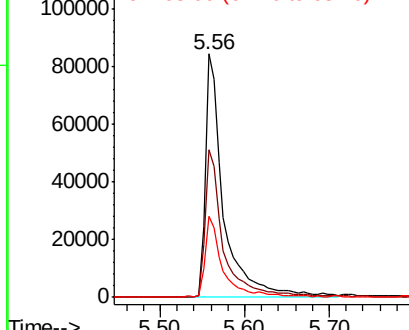
Manual Integrations
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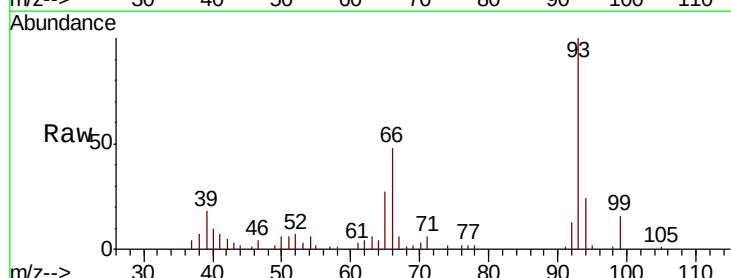


Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1

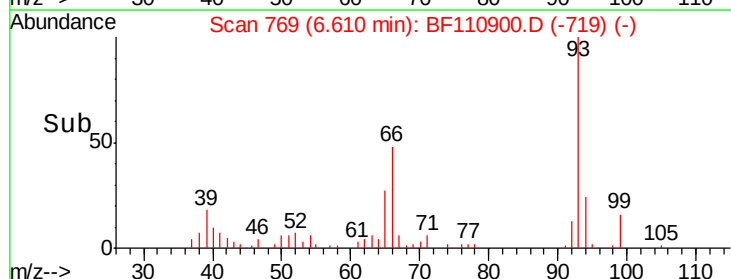
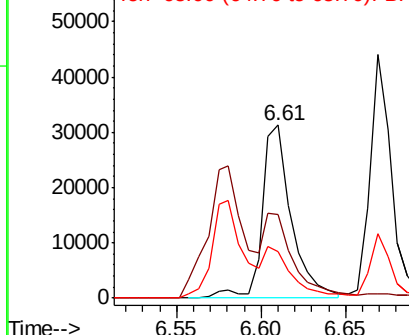


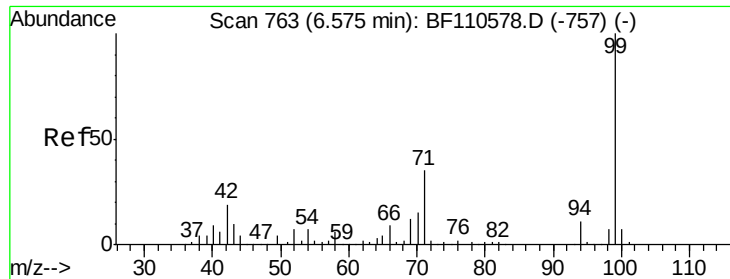
#6
Aniline
Concen: 5.711 ng
RT: 6.61 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	48.3	67.4	101.0#
65	26.6	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: 32.890 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110900.D

Acq: 20 Nov 2018 17:55

Instrument :

BNA_F

ClientSampleId :

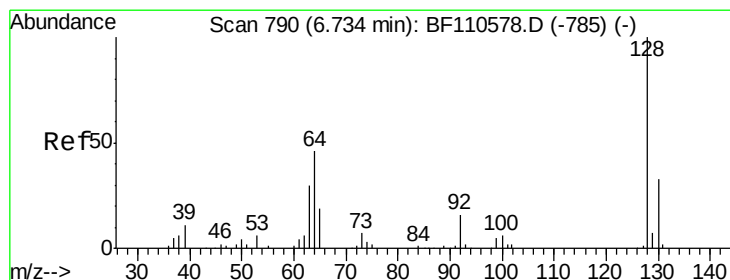
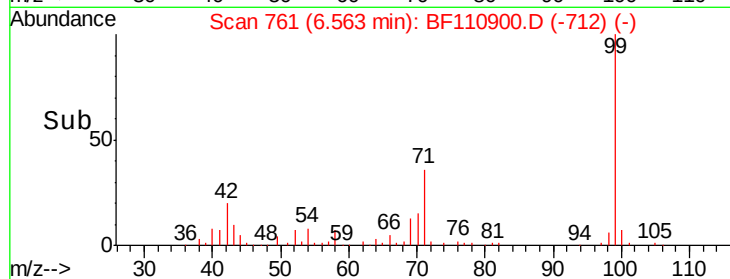
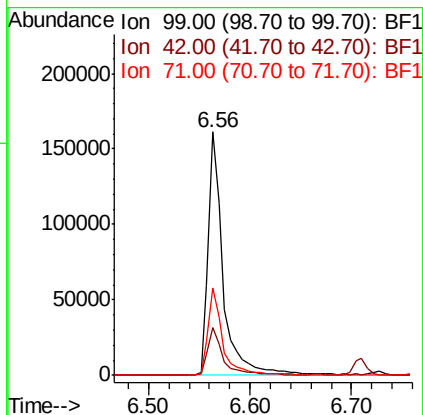
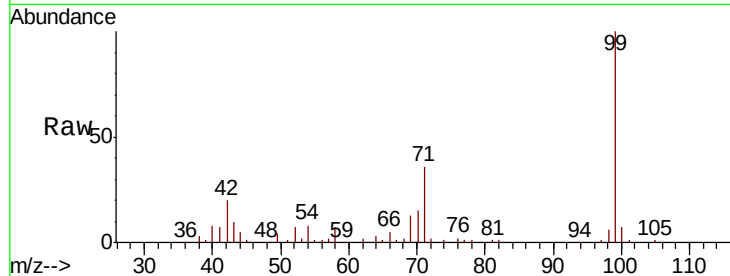
DTW-02(11-13)MSD

Tot Ion:	99	Resp:	165804
Ion Ratio	Lower	Upper	
99	100		
42	19.9	15.8	23.6
71	35.9	28.0	42.0

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#8

2-Chlorophenol

Concen: 9.282 ng

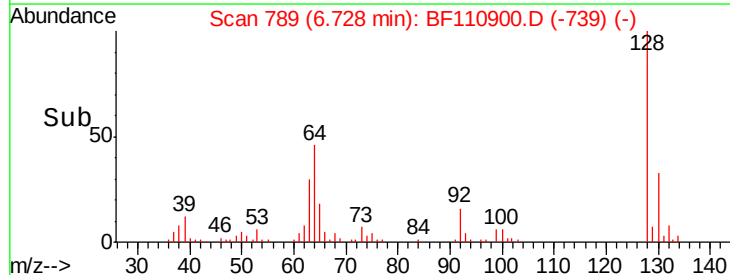
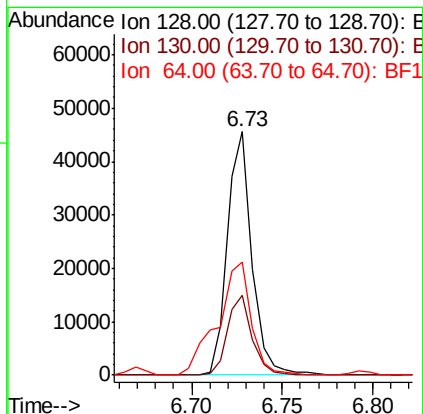
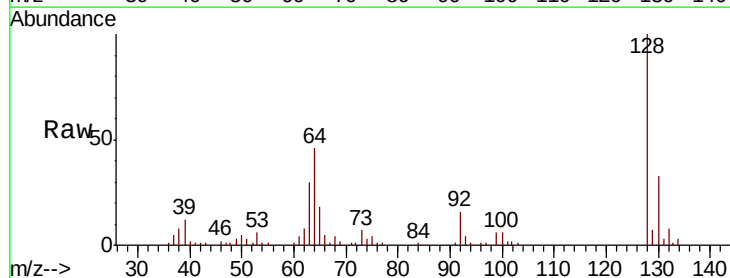
RT: 6.73 min Scan# 789

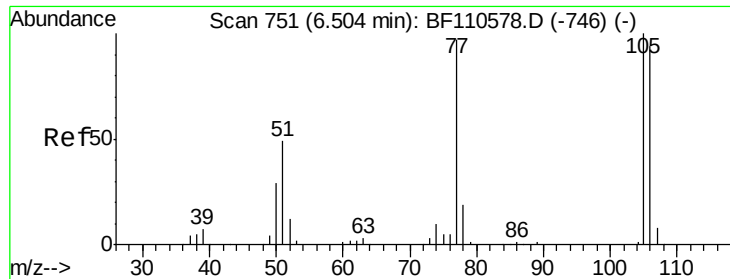
Delta R.T. -0.01 min

Lab File: BF110900.D

Acq: 20 Nov 2018 17:55

Tgt Ion:	128	Resp:	42894
Ion Ratio	Lower	Upper	
128	100		
130	32.7	13.1	53.1
64	46.2	26.0	66.0





#9
Benzaldehyde
Concen: 5.576 ng
RT: 6.50 min Scan# 751
Delta R.T. 0.00 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

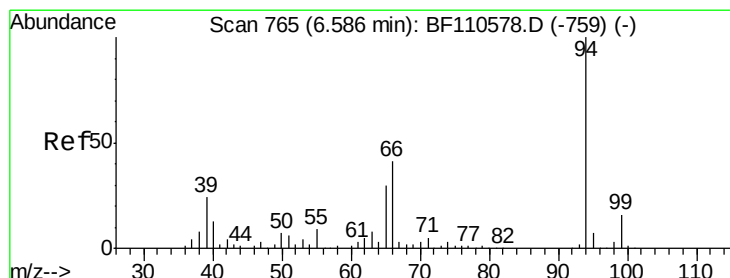
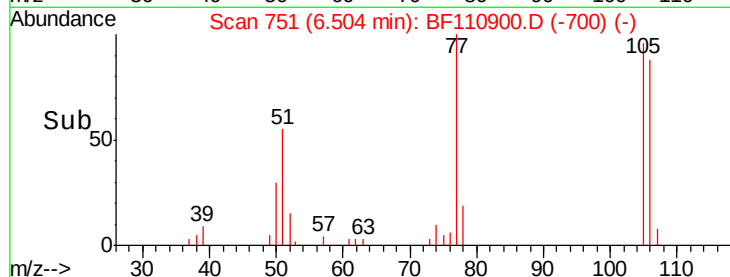
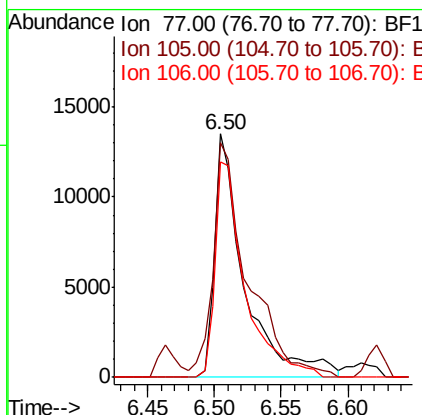
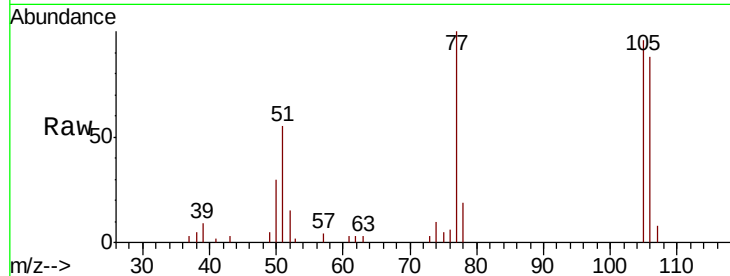
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
105	96.2	78.6	118.6	
106	88.4	74.8	114.8	

Manual Integrations
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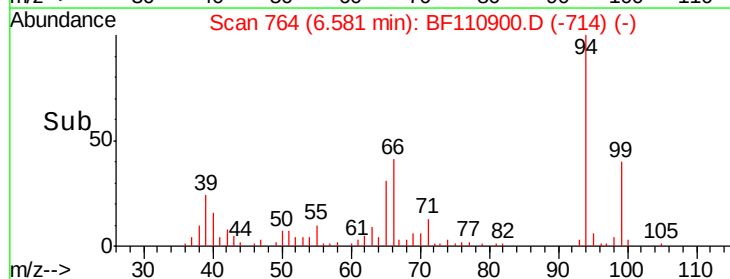
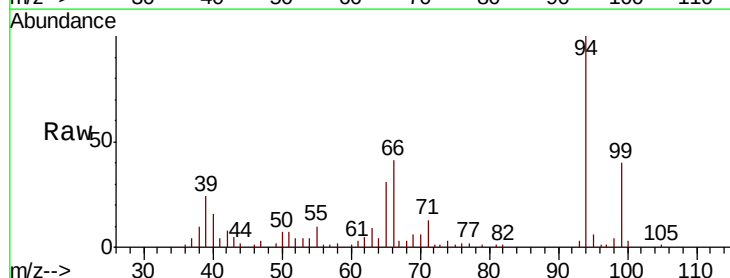
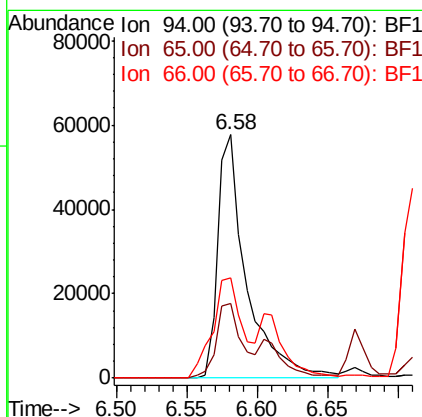
Sohil

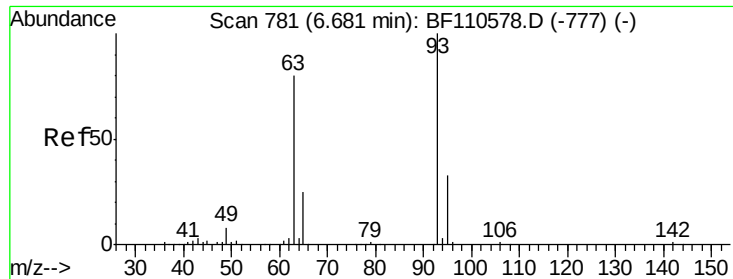
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#10
Phenol
Concen: 13.958 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion	Ion	Ratio	Lower	Upper
94	100			
65	30.6	25.3	65.3	
66	41.4	54.5	94.5	





#11
bis(2-Chloroethyl)ether
Concen: 8.526 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

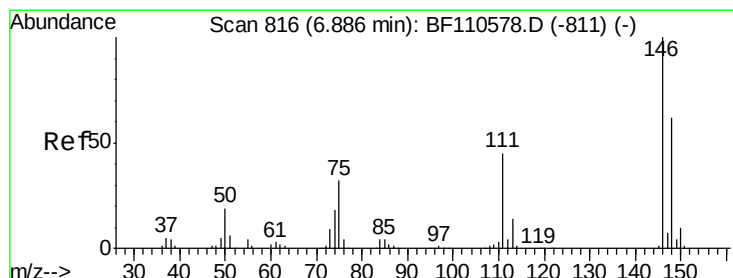
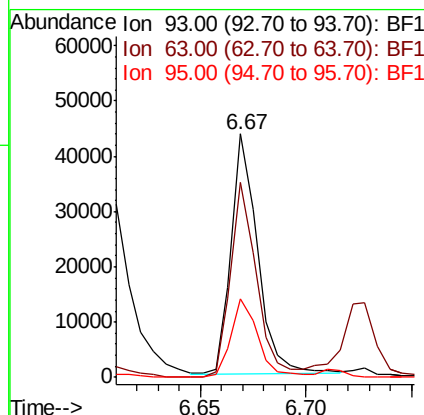
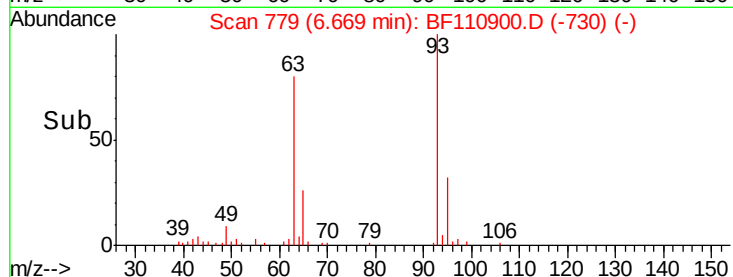
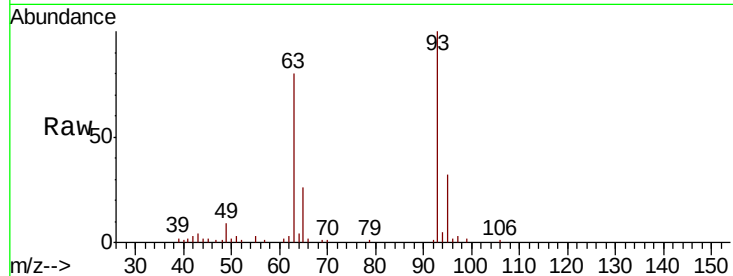
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion:	93	Resp:	37350
Ion	Ratio	Lower	Upper
93	100		
63	80.1	53.4	93.4
95	32.4	12.1	52.1

Manual Integrations
APPROVED

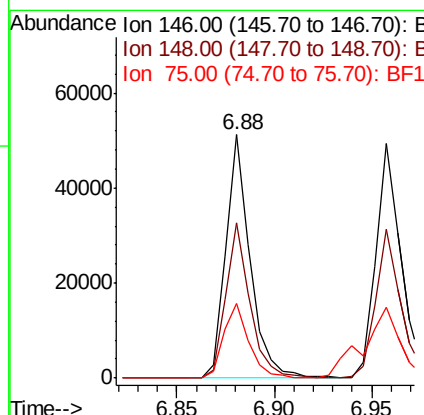
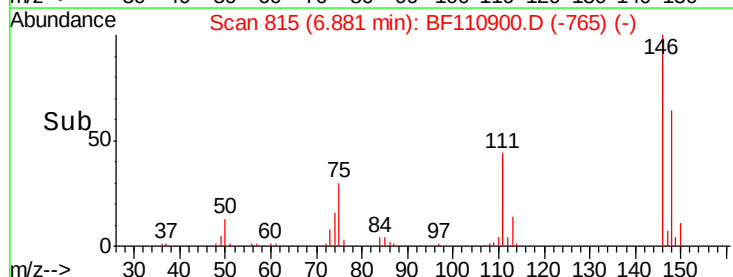
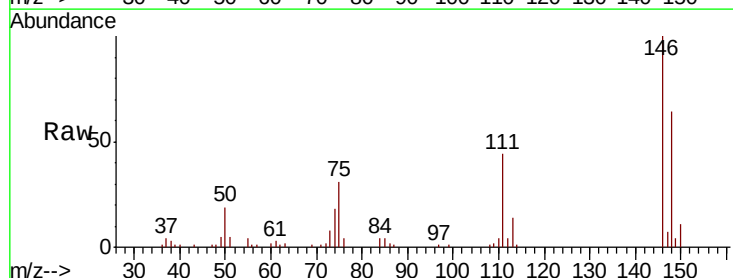
Sohil

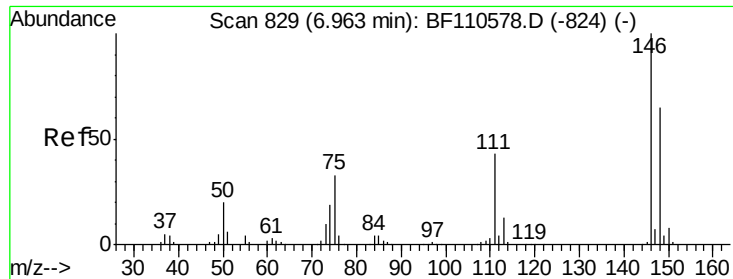
11/21/2018 3:17:58 PM



#12
1,3-Dichlorobenzene
Concen: 8.724 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion:	146	Resp:	44114
Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.4	75.6
75	30.7	25.8	38.6





#13
 1,4-Dichlorobenzene
 Concen: 8.831 ng
 RT: 6.96 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

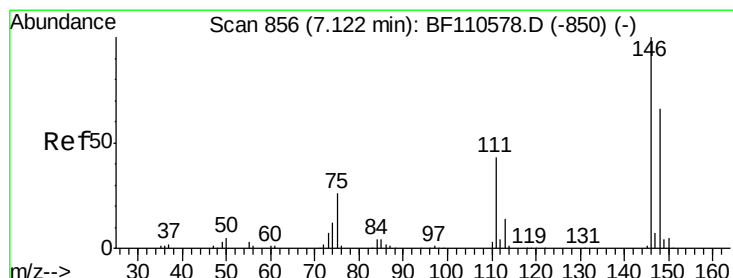
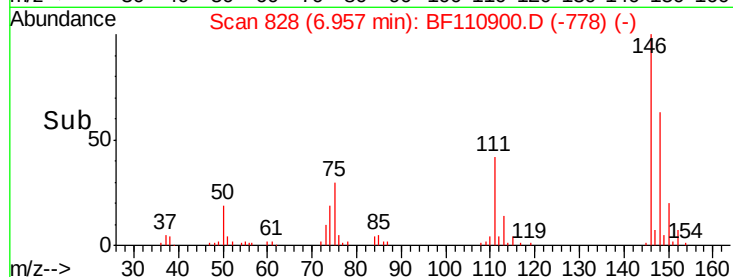
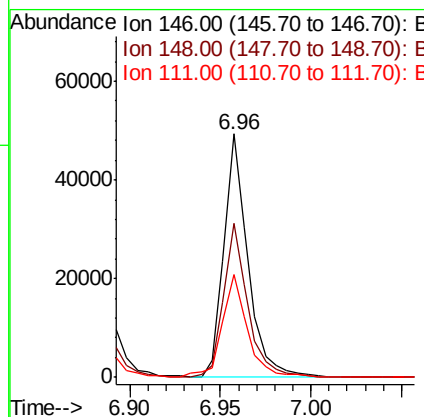
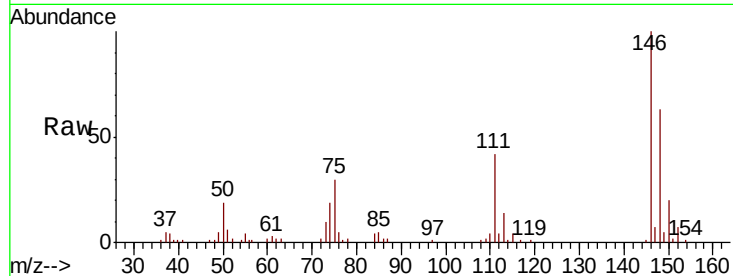
Instrument :
 BNA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.3	75.5
111	42.2	32.7	49.1

Manual Integrations
 APPROVED

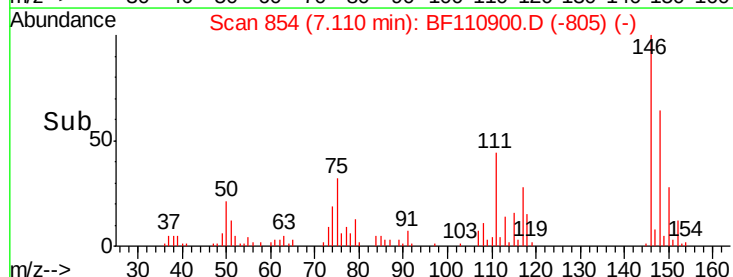
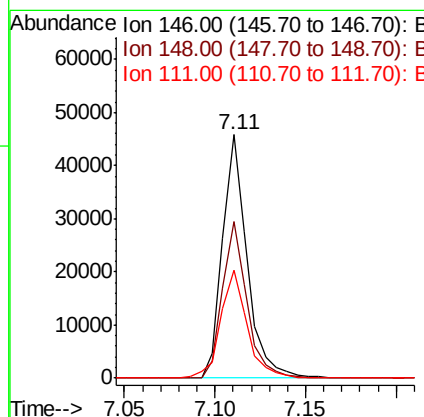
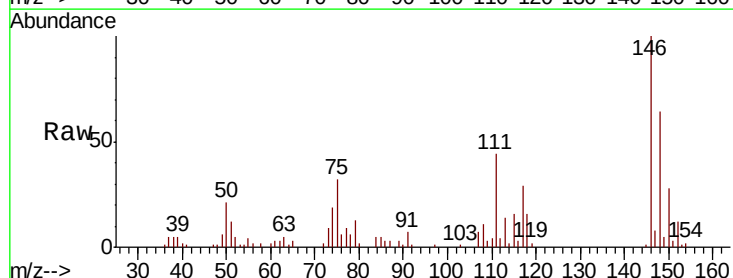
Sohil

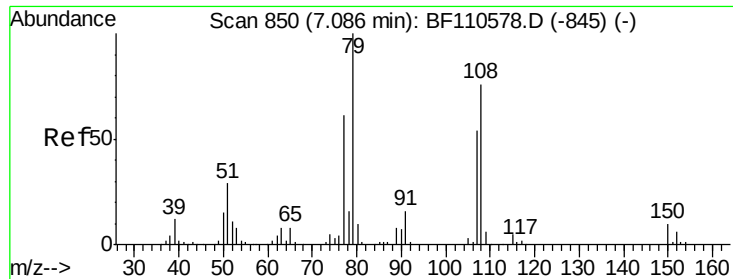
11/21/2018 3:17:58 PM



#14
 1,2-Dichlorobenzene
 Concen: 9.057 ng
 RT: 7.11 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.1	76.7
111	44.4	35.8	53.6





#15
Benzyl Alcohol
Concen: 9.285 ng
RT: 7.09 min Scan# 850
Delta R.T. 0.00 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

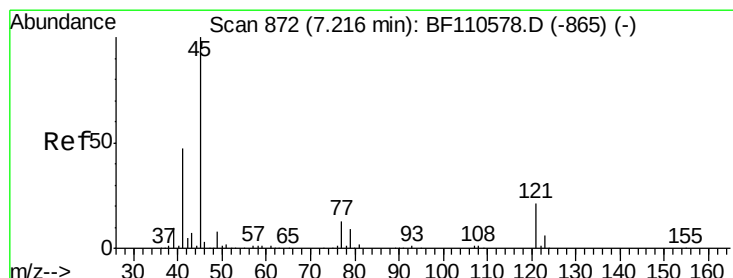
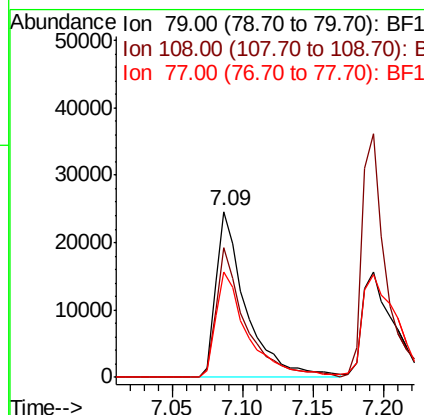
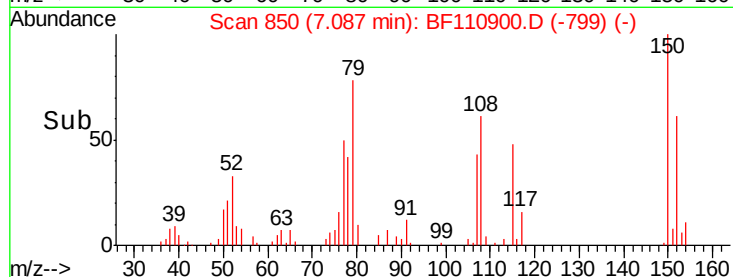
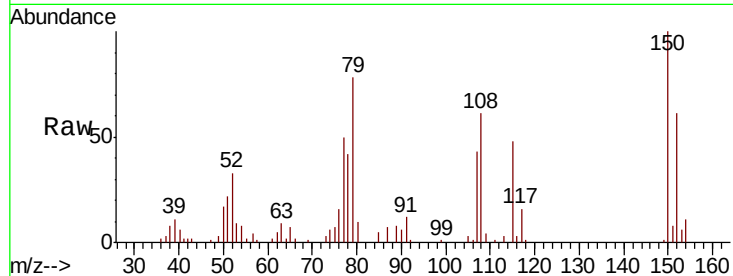
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	78.2	56.3	84.5
77	64.0	52.9	79.3

Manual Integrations
APPROVED

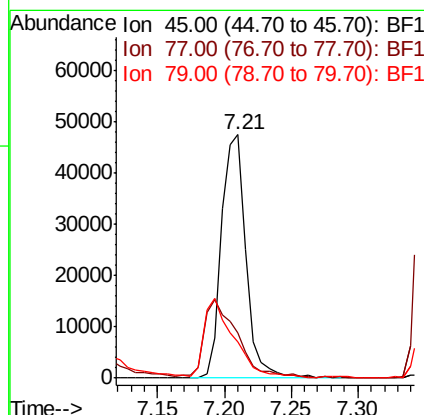
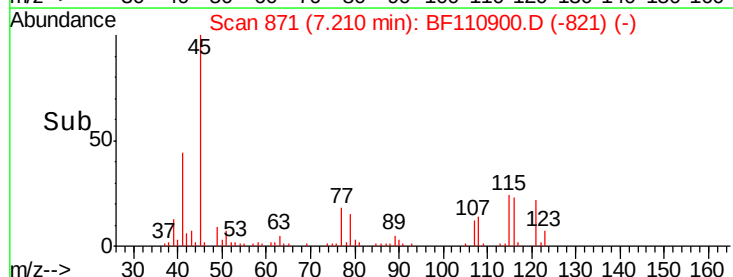
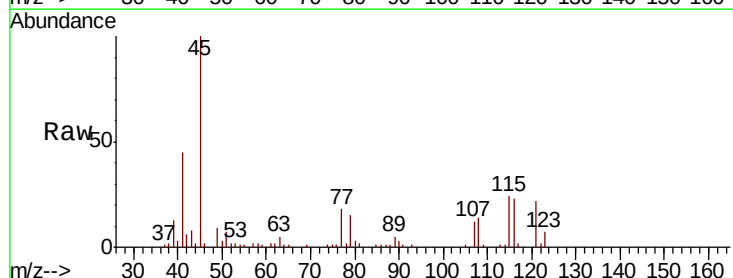
Sohil

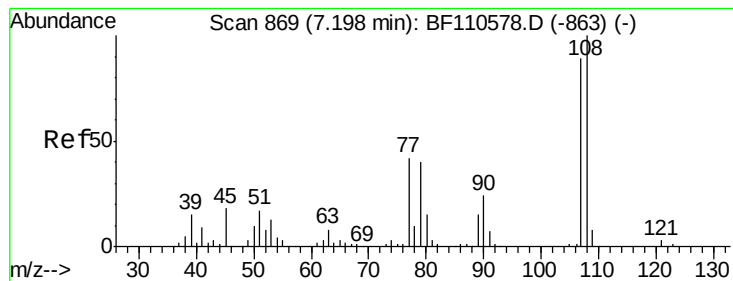
11/21/2018 3:17:58 PM



#16
2,2'-oxybis(1-chloropropane)
Concen: 8.990 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion	Ratio	Lower	Upper
45	100		
77	18.4	10.0	50.0
79	14.9	6.1	46.1





#17
2-Methylphenol
Concen: 10.712 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

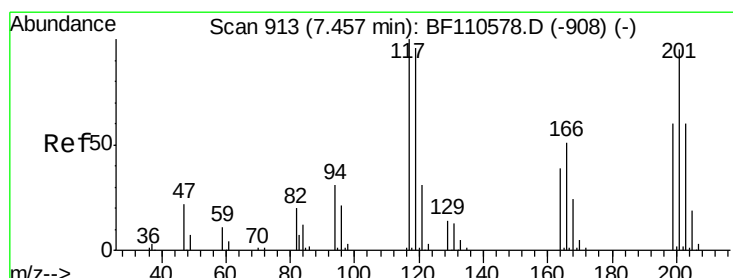
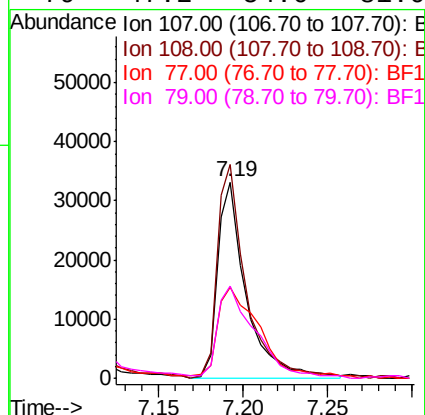
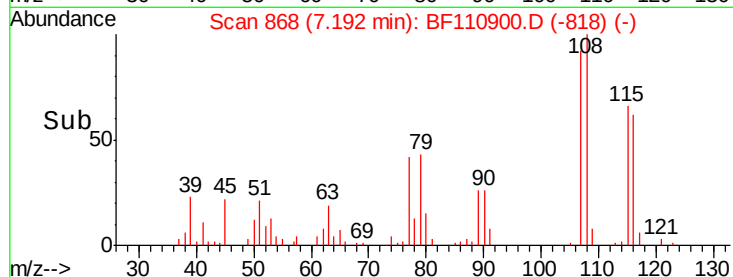
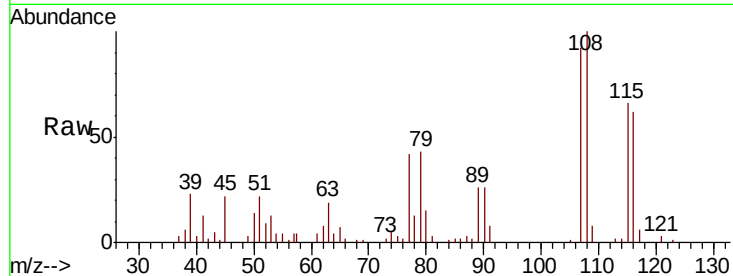
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	108.7	92.6	138.8
77	46.2	59.4	89.2#
79	47.2	54.0	81.0#

Manual Integrations
APPROVED

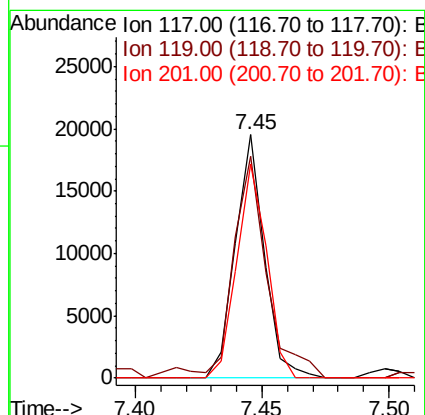
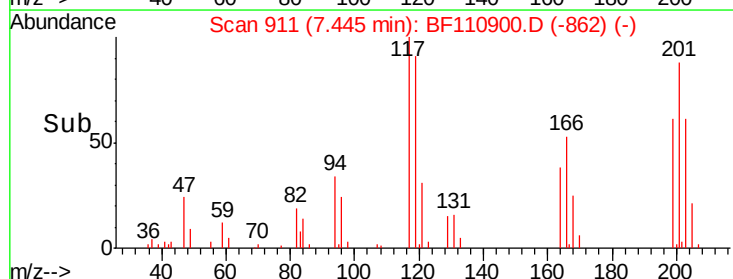
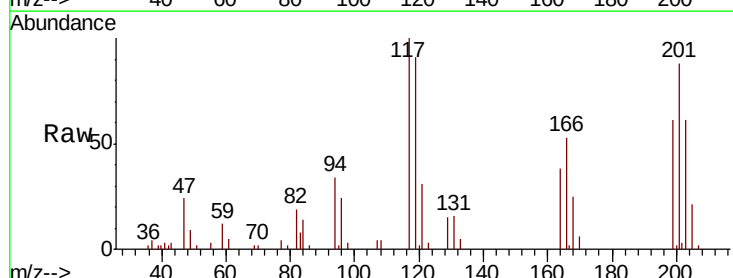
Sohil

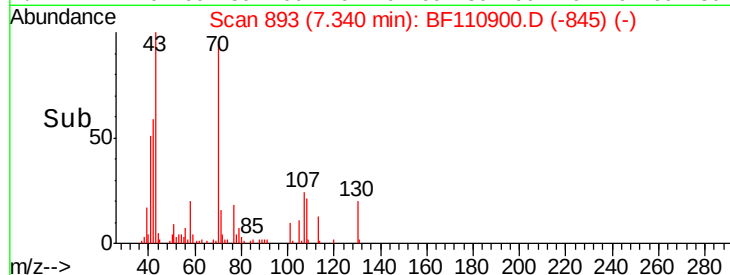
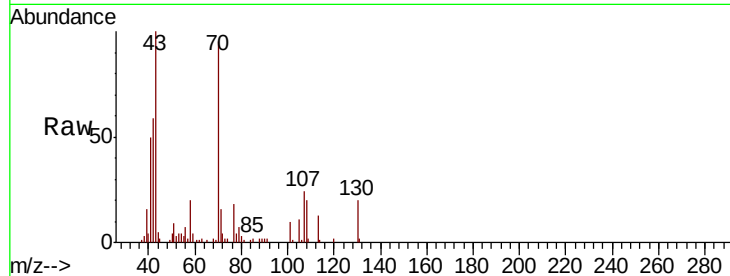
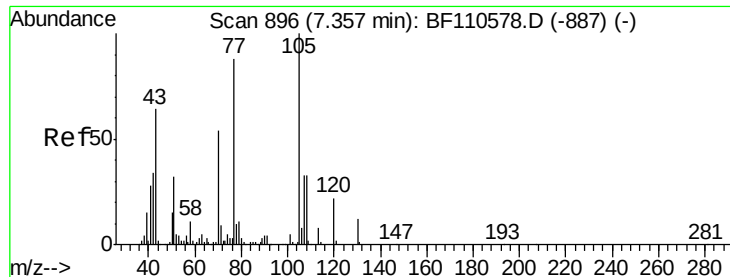
11/21/2018 3:17:58 PM



#18
Hexachloroethane
Concen: 8.183 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	75.0	112.6
201	87.9	79.2	118.8





#19
n-Nitroso-di-n-propylamine
Concen: 9.411 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.02 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

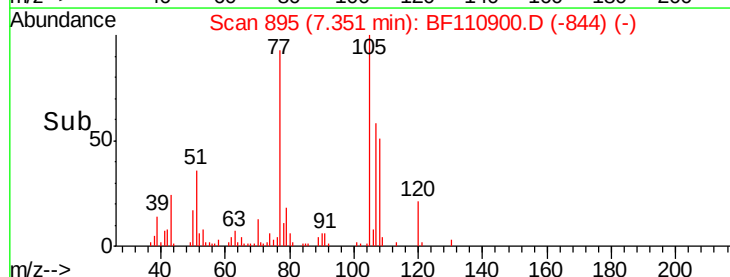
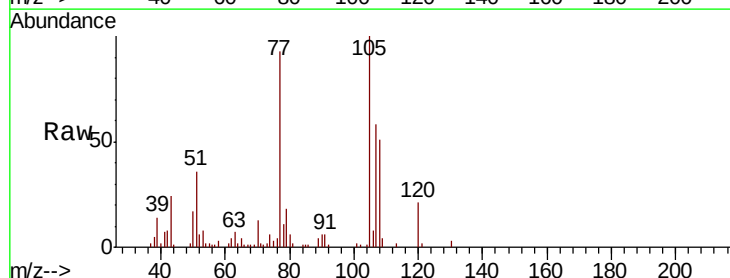
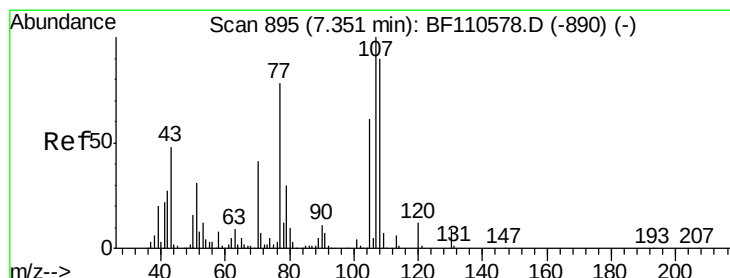
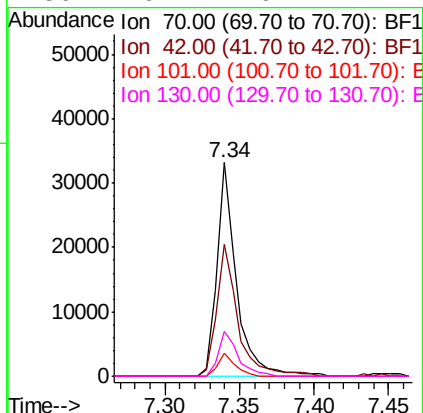
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion	70	Resp	30284
Ion	Ratio	Lower	Upper
70	100		
42	61.6	47.4	71.2
101	10.5	7.3	10.9
130	20.7	16.2	24.2

Manual Integrations
APPROVED

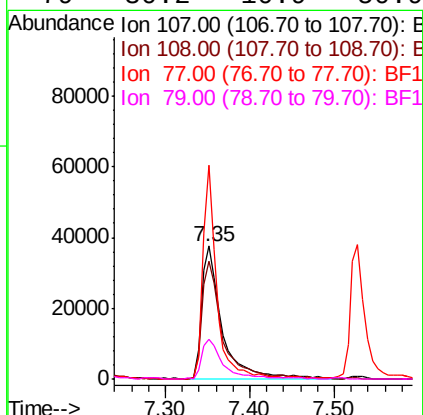
Sohil

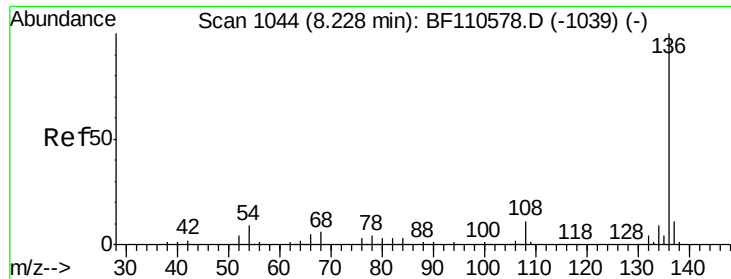
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#20
3+4-Methylphenols
Concen: 13.295 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.00 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion	107	Resp	62772
Ion	Ratio	Lower	Upper
107	100		
108	88.4	71.4	111.4
77	161.1	47.3	87.3#
79	30.2	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: BF110900.D

Acq: 20 Nov 2018 17:55

Instrument :

BNA_F

ClientSampleId :

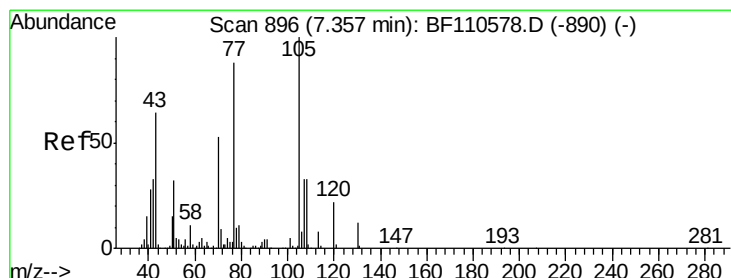
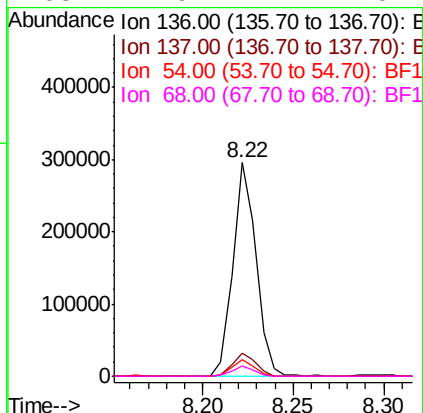
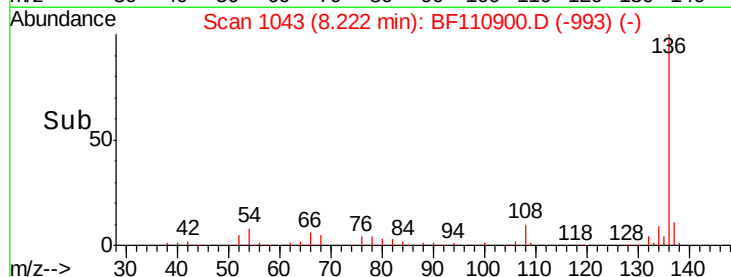
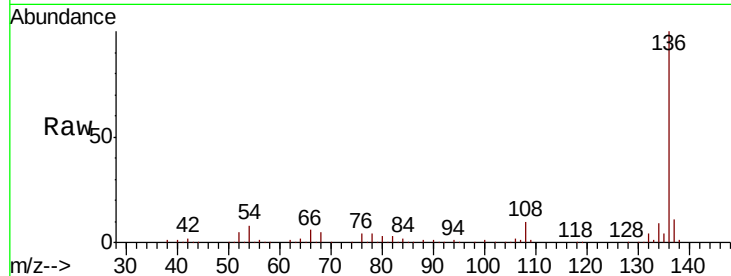
DTW-02(11-13)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	263775		
137	10.8		8.8	13.2
54	8.1		5.4	8.2
68	4.9		4.2	6.2

Manual Integrations
APPROVED

Sohil

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#22

Acetophenone

Concen: 10.213 ng

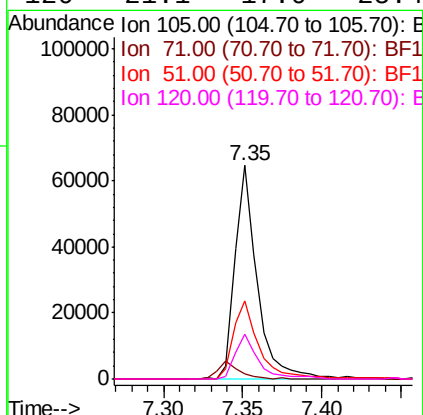
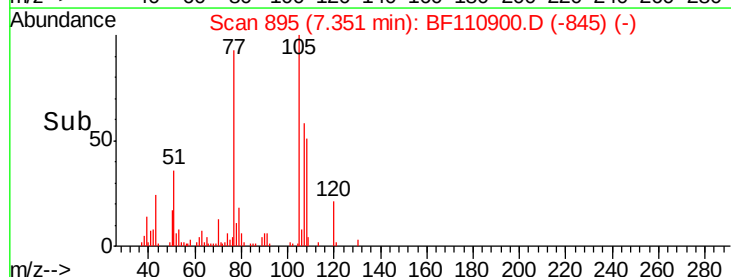
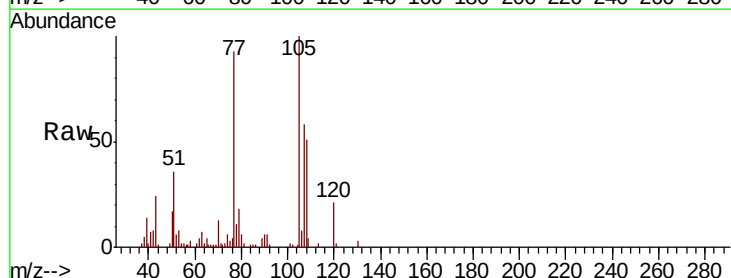
RT: 7.35 min Scan# 895

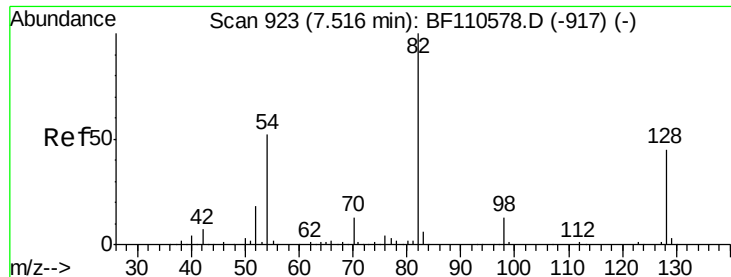
Delta R.T. -0.01 min

Lab File: BF110900.D

Acq: 20 Nov 2018 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	62782		
71	2.3		5.2	7.8#
51	36.5		21.8	32.8#
120	21.1		17.0	25.4





#23
Nitrobenzene-d5
Concen: 21.998 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

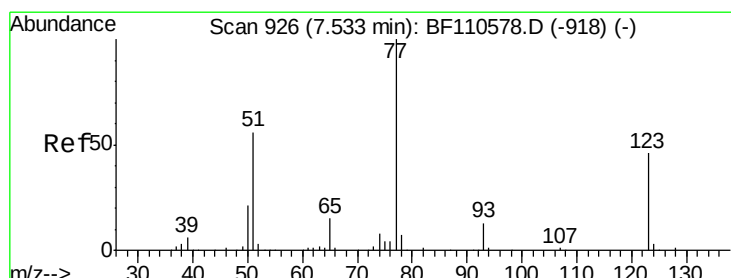
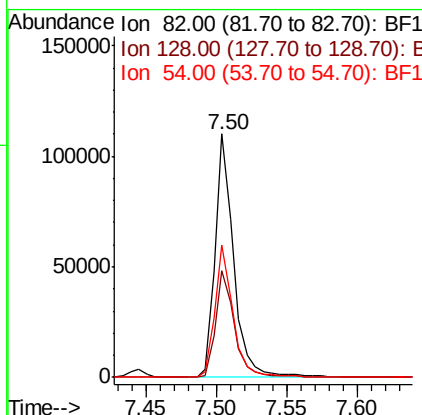
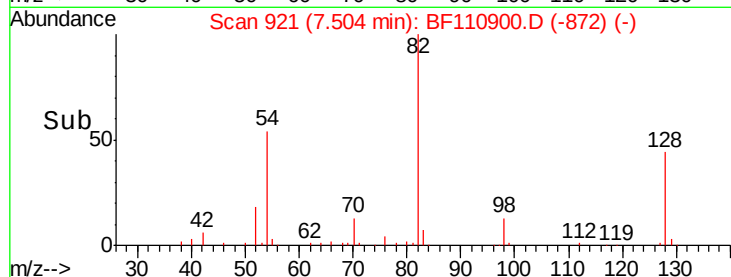
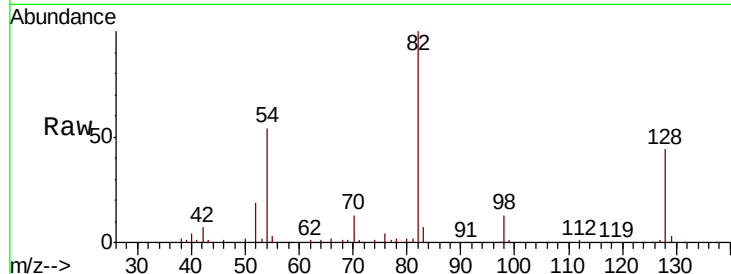
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.9	34.2	51.2	
54	54.3	38.6	58.0	

Manual Integrations
APPROVED

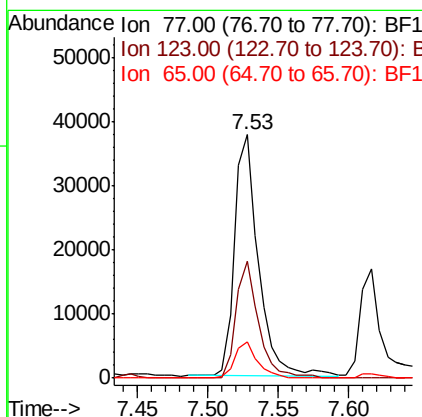
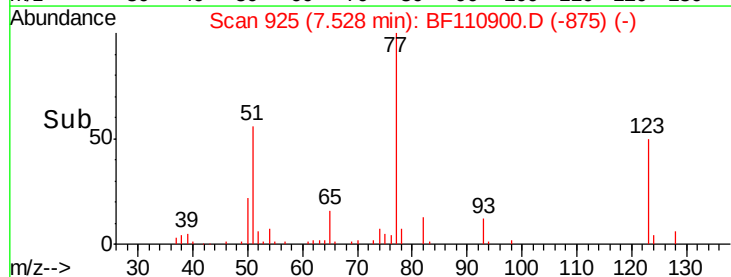
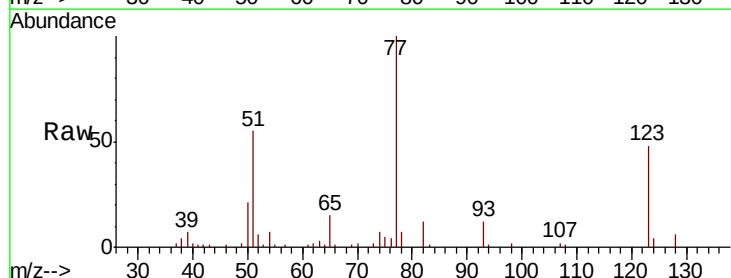
Sohil

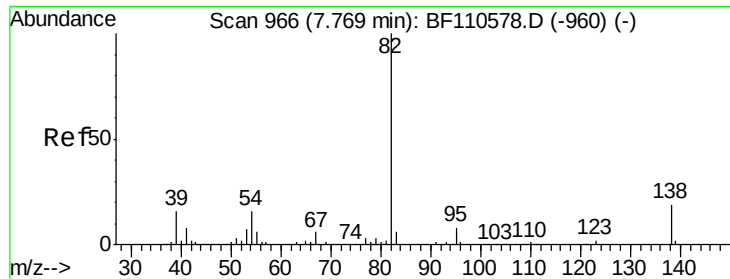
11/21/2018 3:17:58 PM



#24
Nitrobenzene
Concen: 9.533 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	48.3	35.7	53.5	
65	15.0	10.7	16.1	





#25

Isophorone

Concen: 10.639 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF110900.D

Acq: 20 Nov 2018 17:55

Instrument :

BNA_F

ClientSampleId :

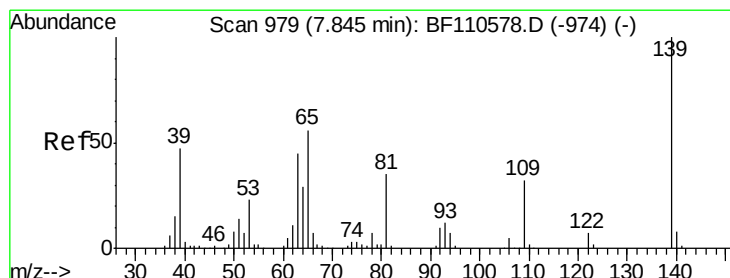
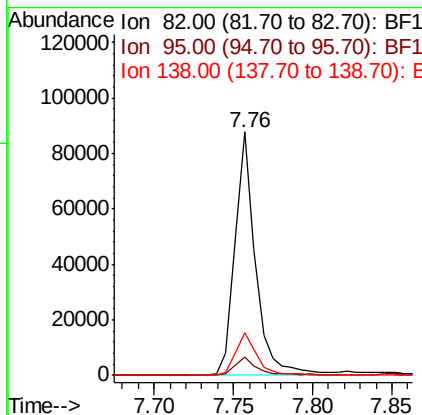
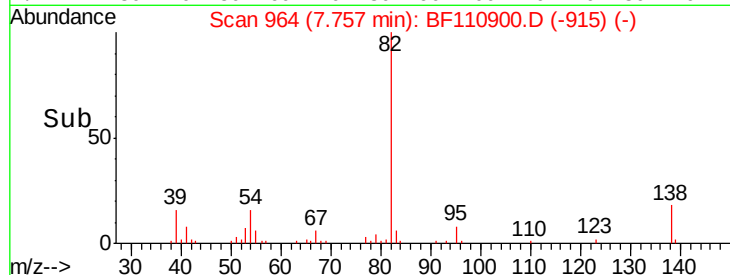
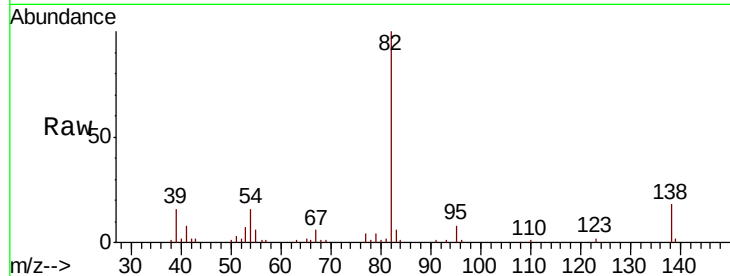
DTW-02(11-13)MSD

Tot Ion:	82	Resp:	79865
Ion Ratio	Lower	Upper	
82	100		
95	7.7	5.7	8.5
138	17.6	13.2	19.8

Manual Integrations
APPROVED

Sohil

11/21/2018 3:17:58 PM



#26

2-Nitrophenol

Concen: 8.927 ng

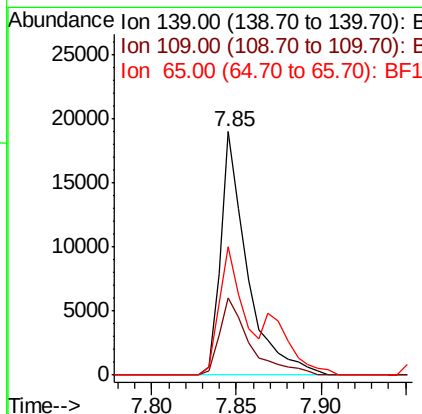
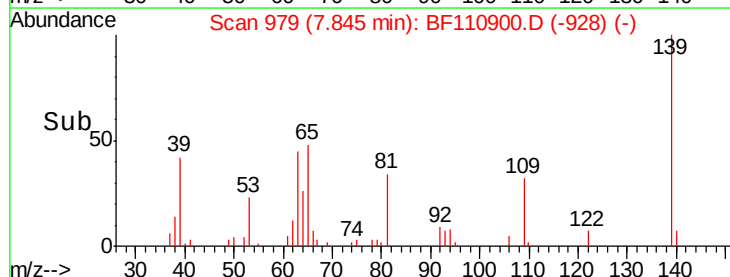
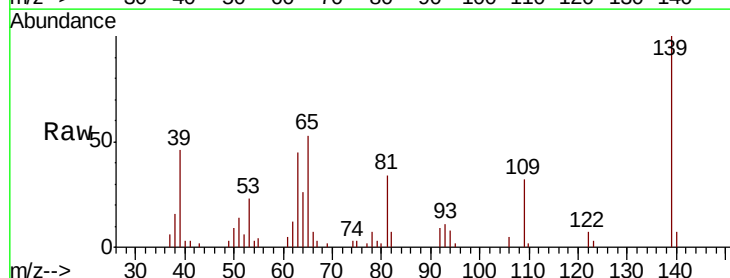
RT: 7.85 min Scan# 979

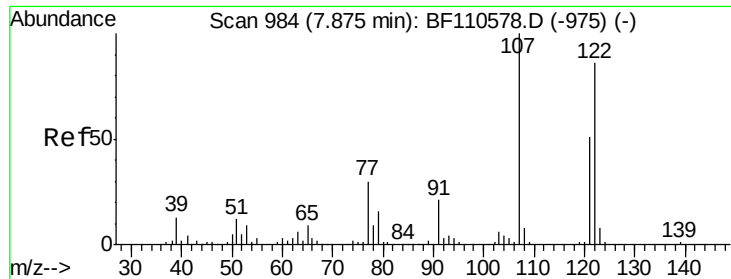
Delta R.T. 0.00 min

Lab File: BF110900.D

Acq: 20 Nov 2018 17:55

Tgt Ion:	139	Resp:	20898
Ion Ratio	Lower	Upper	
139	100		
109	31.9	25.0	37.6
65	52.6	44.0	66.0





#27

2,4-Dimethylphenol

Concen: 11.950 ng

RT: 7.87 min Scan# 984

Delta R.T. 0.00 min

Lab File: BF110900.D

Acq: 20 Nov 2018 17:55

Instrument :

BNA_F

ClientSampleID :

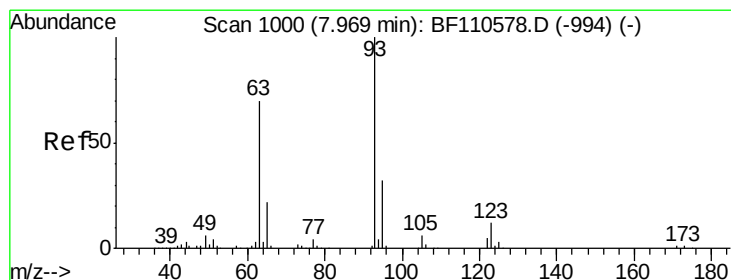
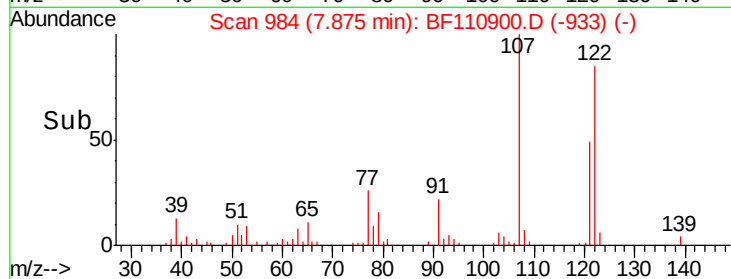
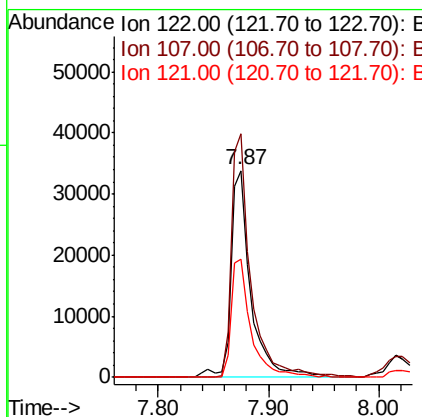
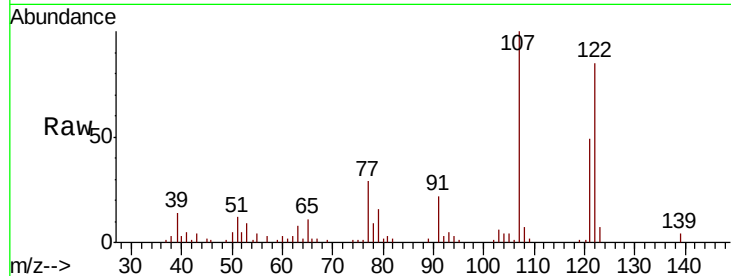
DTW-02(11-13)MSD

Tot Ion:	122	Resp:	42605
Ion Ratio	Lower	Upper	
122	100		
107	117.6	92.5	138.7
121	57.4	45.8	68.8

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#28

bis(2-Chloroethoxy)methane

Concen: 9.927 ng

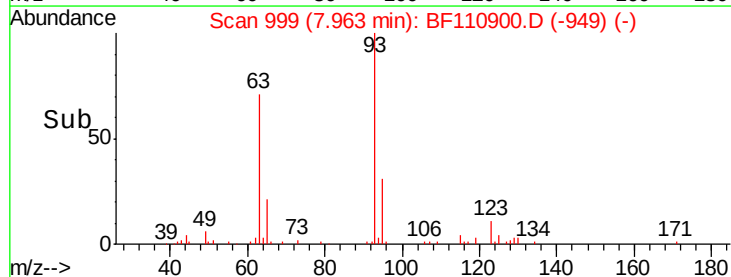
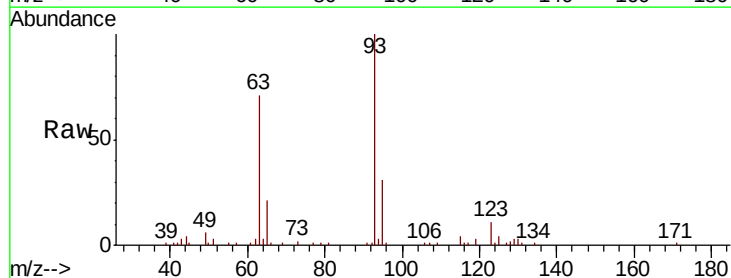
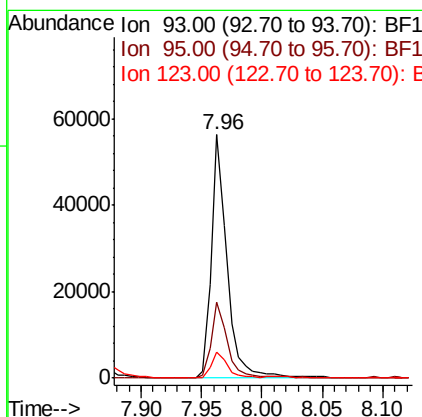
RT: 7.96 min Scan# 999

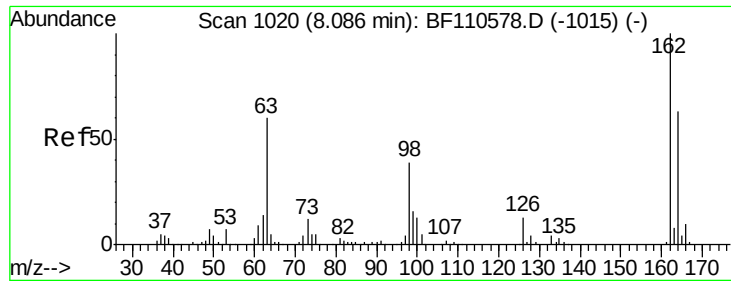
Delta R.T. -0.01 min

Lab File: BF110900.D

Acq: 20 Nov 2018 17:55

Tgt Ion:	93	Resp:	50458
Ion Ratio	Lower	Upper	
93	100		
95	31.3	26.4	39.6
123	10.9	9.0	13.6





#29
2,4-Dichlorophenol
Concen: 9.808 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

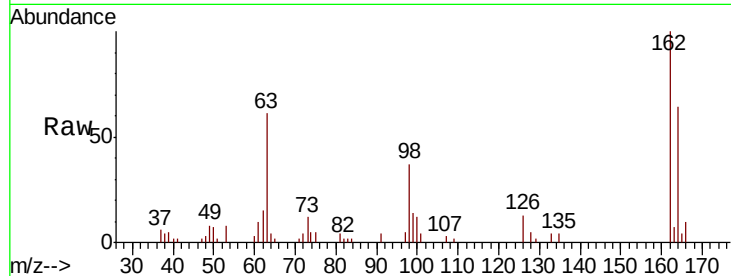
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion:	162	Resp:	35981
Ion Ratio	Lower	Upper	
162	100		
164	63.7	44.6	84.6
98	37.1	17.4	57.4

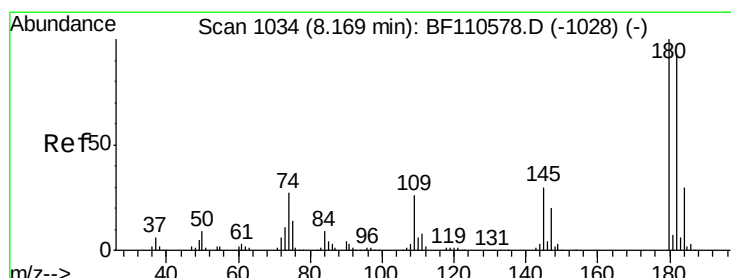
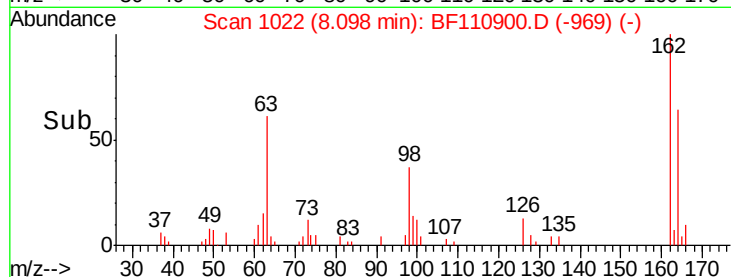
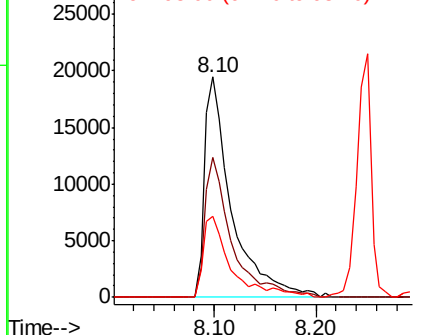
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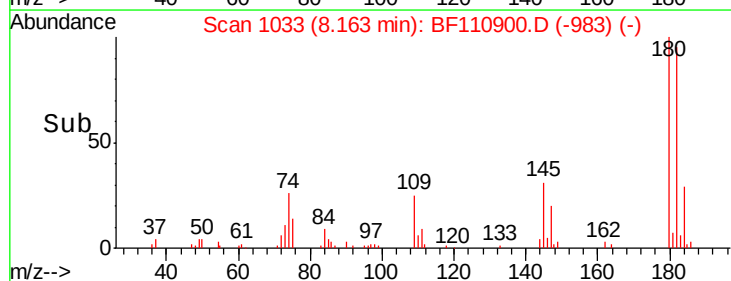
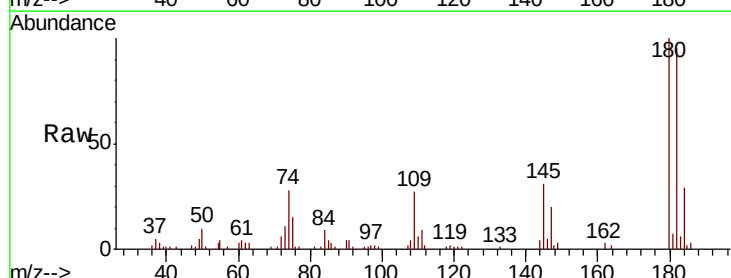
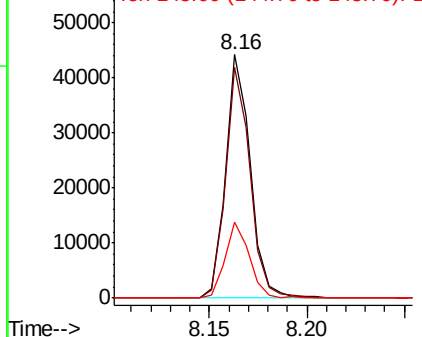
Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

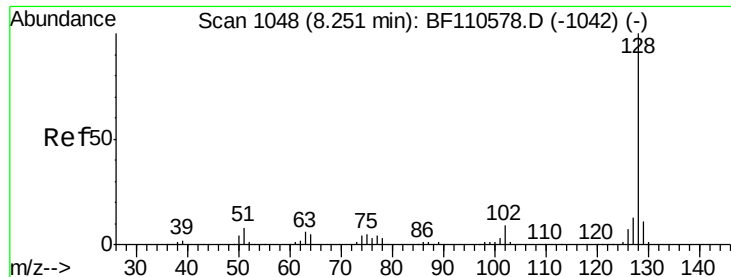


#30
1,2,4-Trichlorobenzene
Concen: 9.334 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion:	180	Resp:	38608
Ion Ratio	Lower	Upper	
180	100		
182	94.8	80.3	120.5
145	31.3	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: 107.407 ng
RT: 8.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

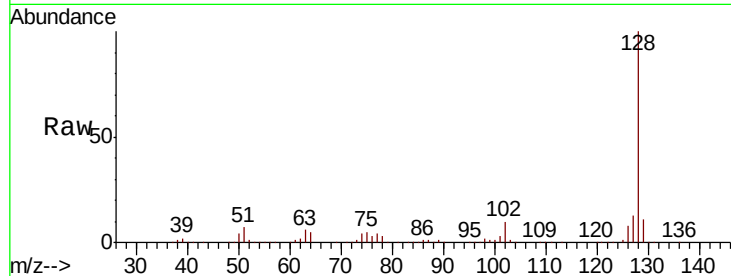
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion:128 Resp: 1330007
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.5 10.8 16.2

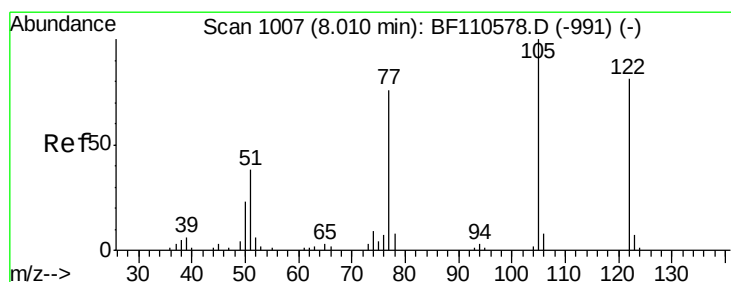
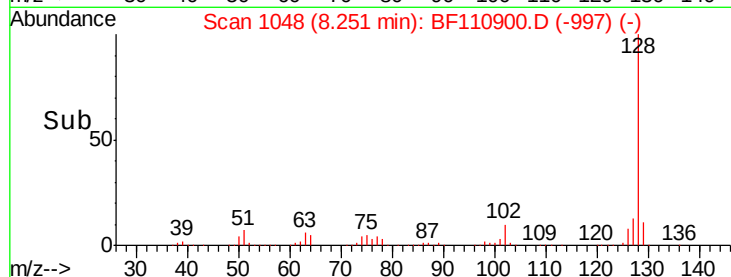
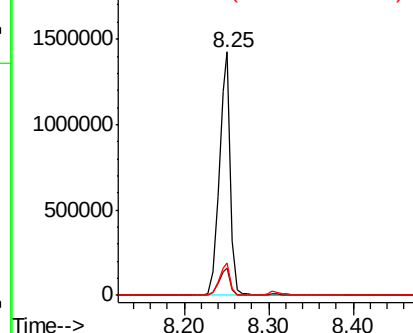
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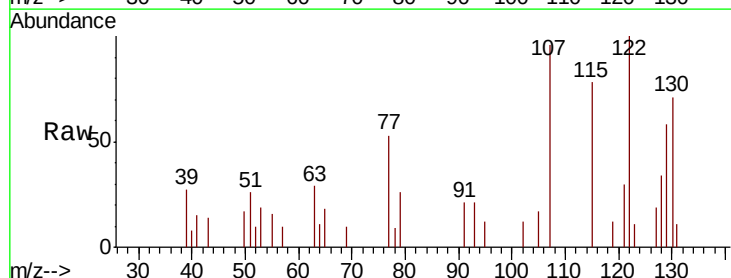


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

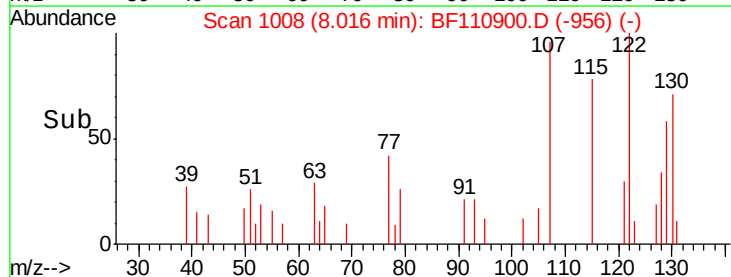
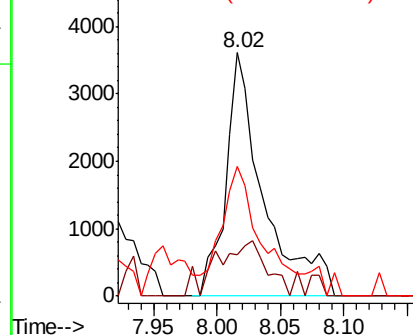


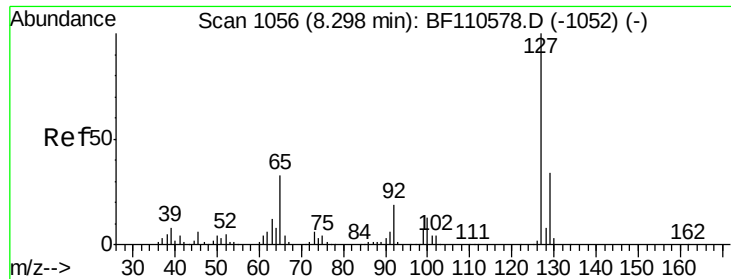
#32
Benzoic acid
Concen: 2.947 ng
RT: 8.02 min Scan# 1008
Delta R.T. 0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion:122 Resp: 7435
Ion Ratio Lower Upper
122 100
105 17.0 109.0 149.0#
77 53.1 79.0 119.0#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





#33
4-Chloroaniline
Concen: 6.345 ng
RT: 8.30 min Scan# 1057
Delta R.T. 0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

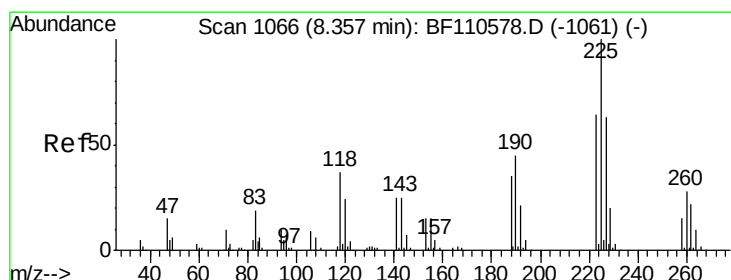
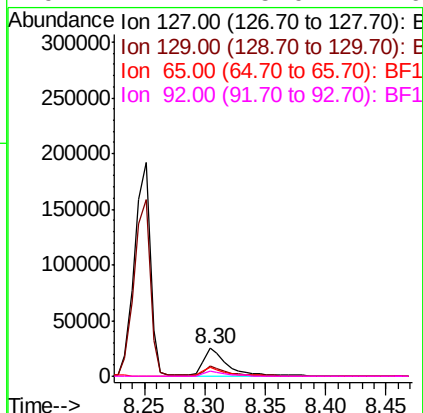
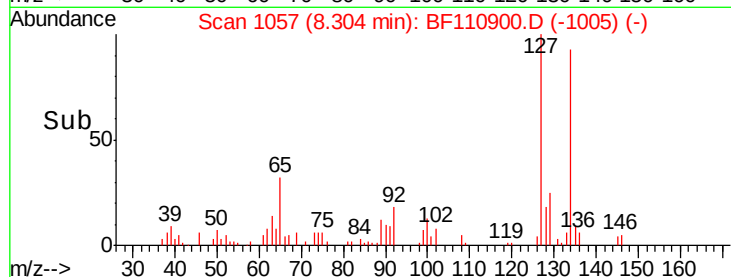
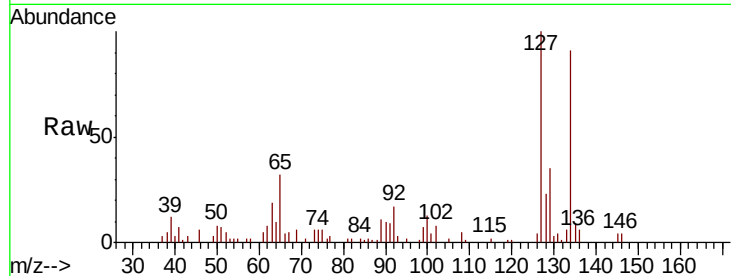
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion:	127	Resp:	35589
Ion Ratio	Lower	Upper	
127	100		
129	34.7	26.0	39.0
65	32.3	25.1	37.7
92	17.4	15.0	22.6

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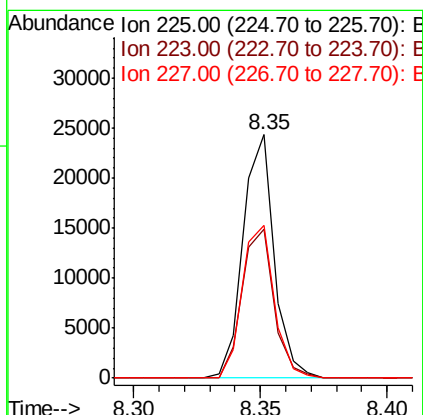
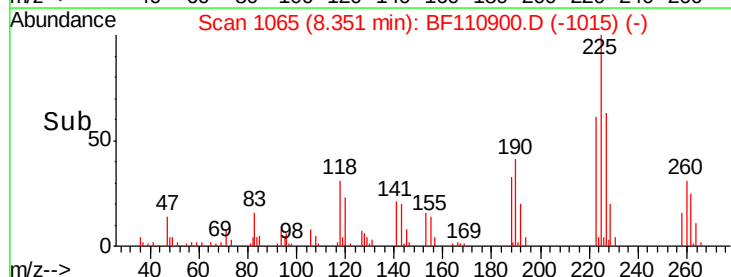
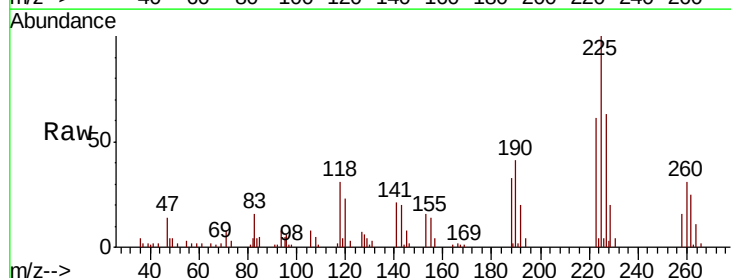
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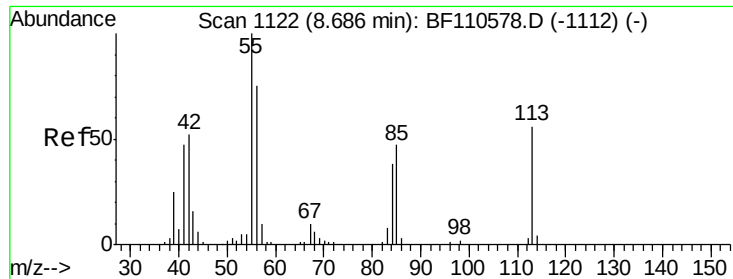
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#34
Hexachlorobutadiene
Concen: 8.775 ng
RT: 8.35 min Scan# 1065
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion:	225	Resp:	20731
Ion Ratio	Lower	Upper	
225	100		
223	60.9	51.4	77.2
227	62.8	51.0	76.6





#35
 Caprolactam
 Concen: 8.562 ng
 RT: 8.65 min Scan# 1115
 Delta R.T. -0.04 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

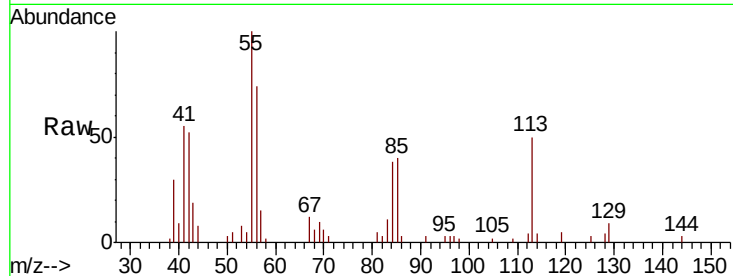
Instrument :
 BNA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Tot Ion	Ion	Ratio	Lower	Upper
113	100			
55	201.6	142.8	182.8#	
56	148.6	105.0	145.0#	

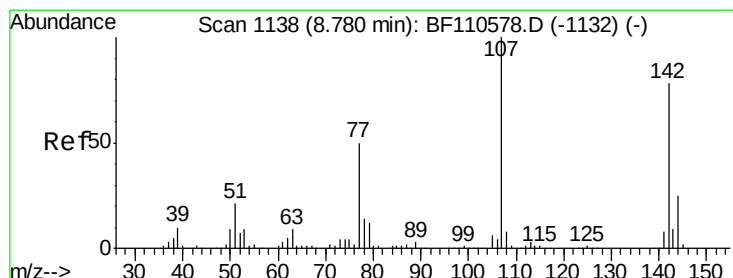
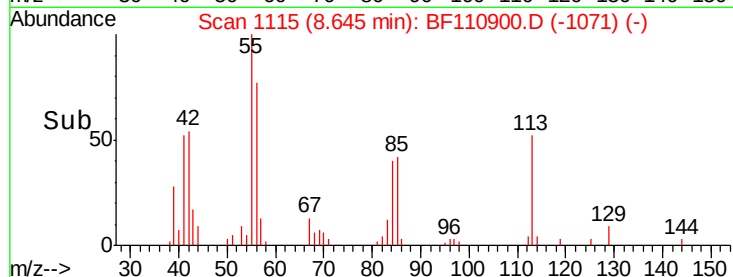
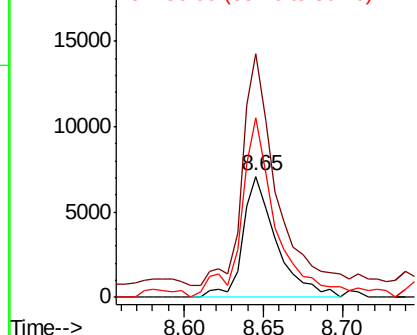
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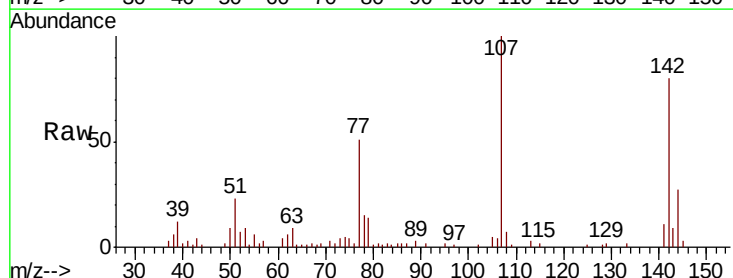


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

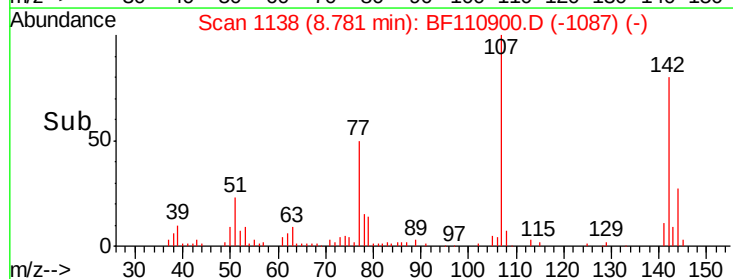
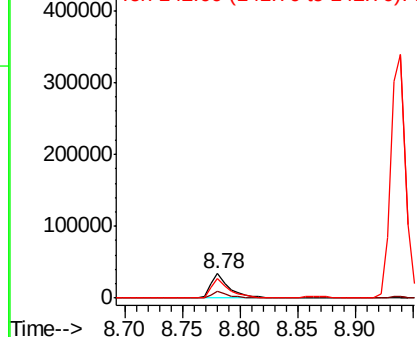


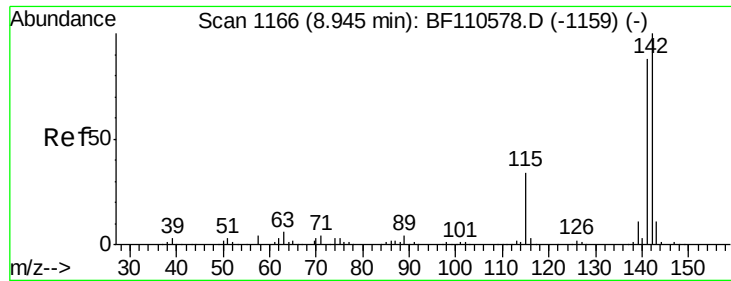
#36
 4-Chloro-3-methylphenol
 Concen: 10.074 ng
 RT: 8.78 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
144	26.6	20.0	30.0	
142	79.5	59.7	89.5	



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#37
2-Methylnaphthalene
Concen: 38.101 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

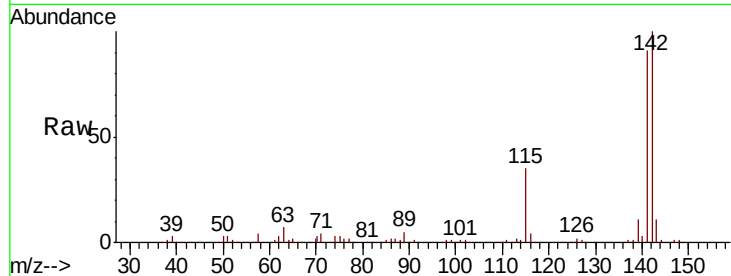
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.9	71.4	107.2
115	35.0	28.7	43.1

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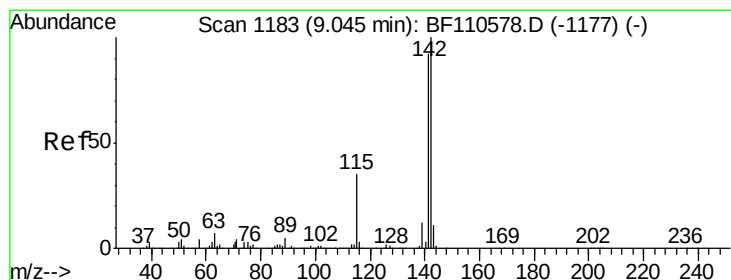
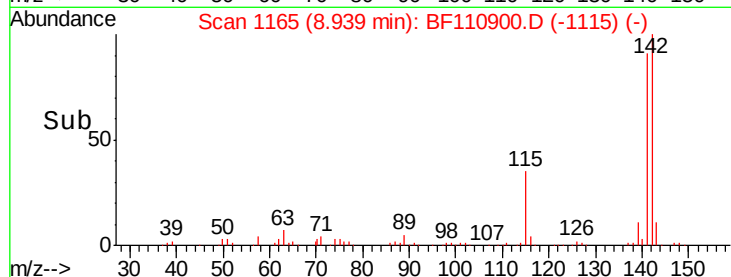
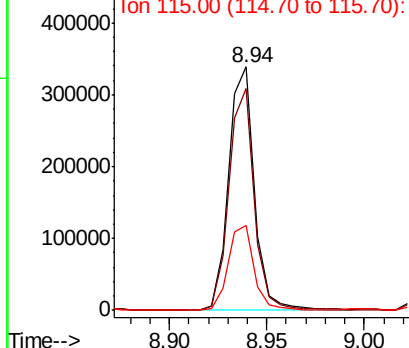


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 37.186 ng
RT: 9.04 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

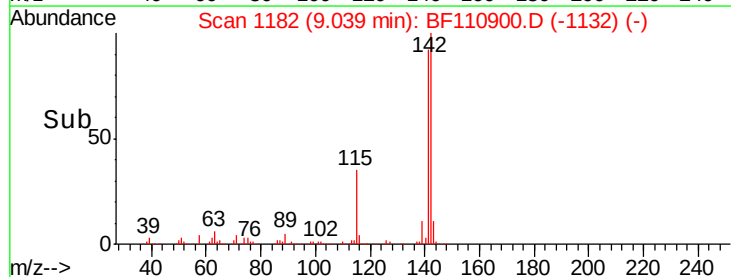
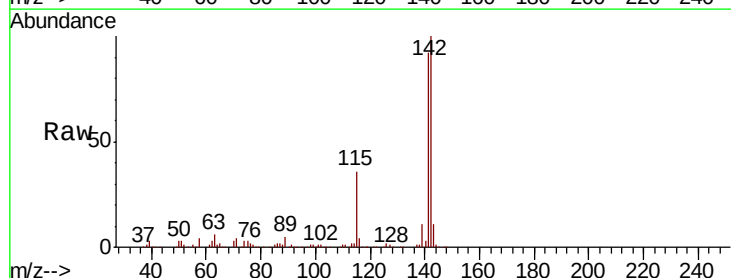
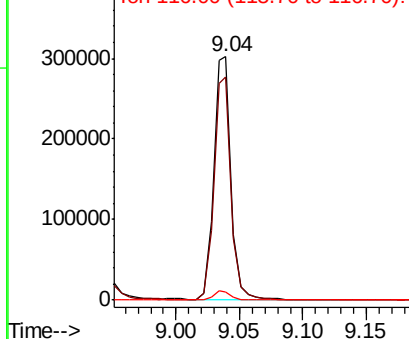
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.2	111.4
116	3.6	2.6	4.0

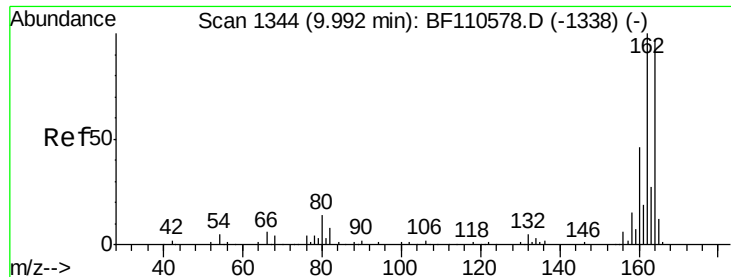
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.01 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

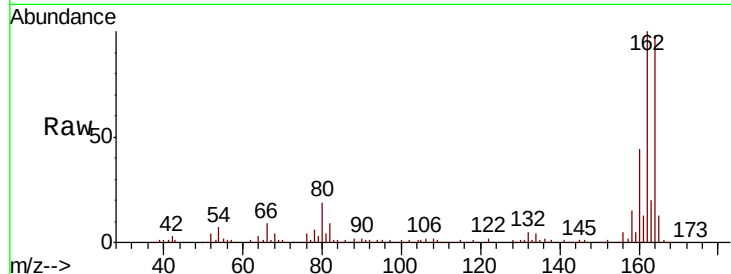
Instrument :
 BNA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Tot Ion:	164	Resp:	121699
Ion Ratio	Lower	Upper	
164	100		
162	102.4	83.0	124.6
160	44.9	37.0	55.6

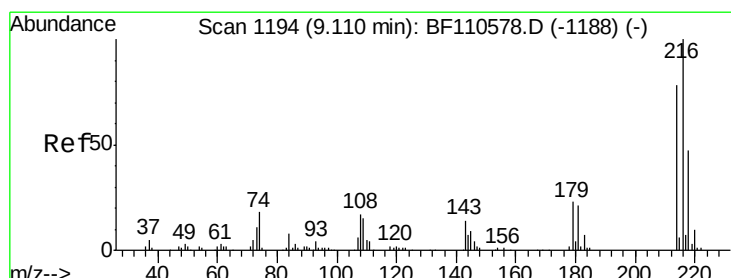
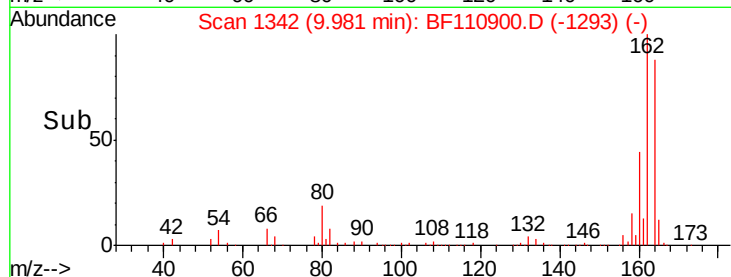
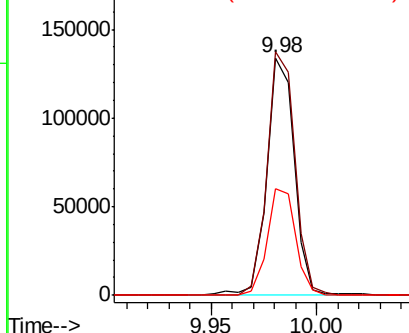
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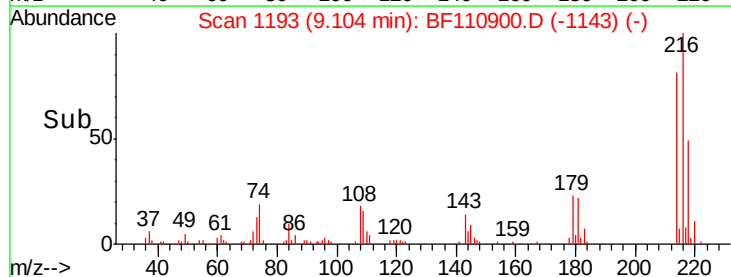
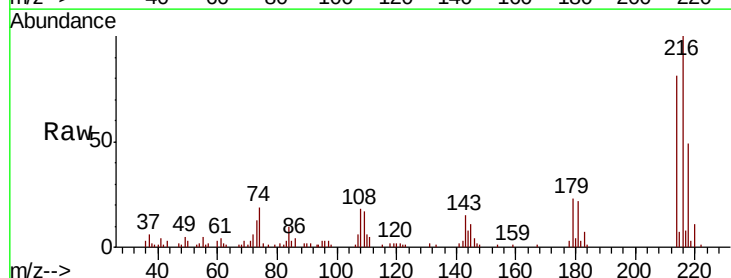
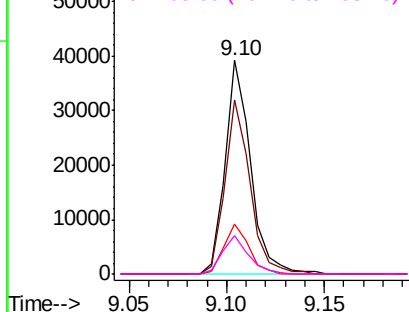
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

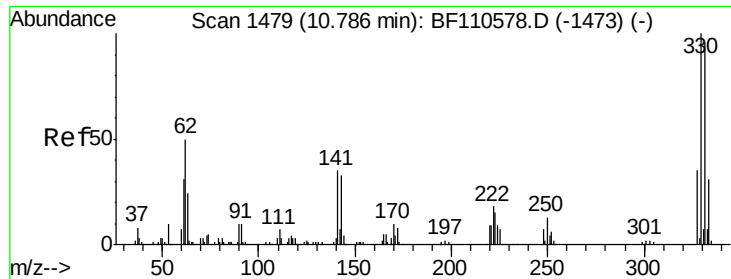


#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 9.199 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

Tgt Ion:	216	Resp:	35436
Ion Ratio	Lower	Upper	
216	100		
214	80.5	63.8	95.6
179	23.1	16.6	25.0
108	18.1	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





#42
 2,4,6-Tribromophenol
 Concen: 25.017 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

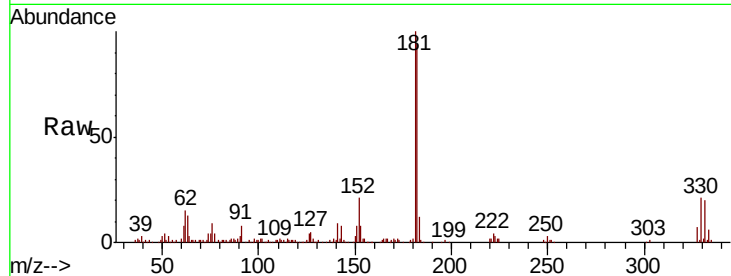
Instrument :
 BNA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.6	77.1	115.7	
141	47.4	27.0	40.4	

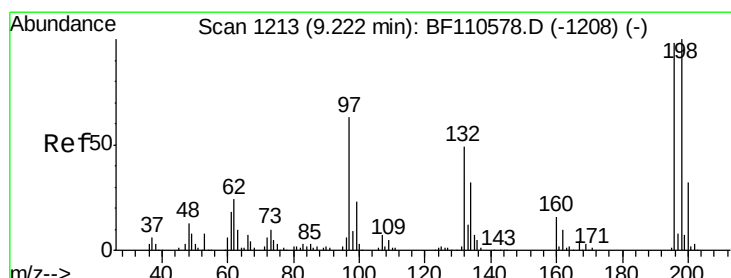
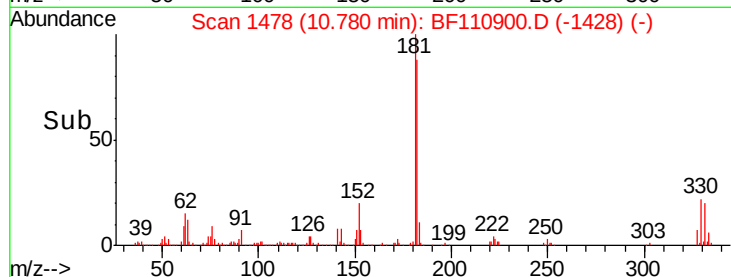
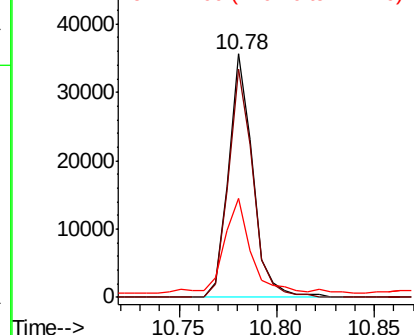
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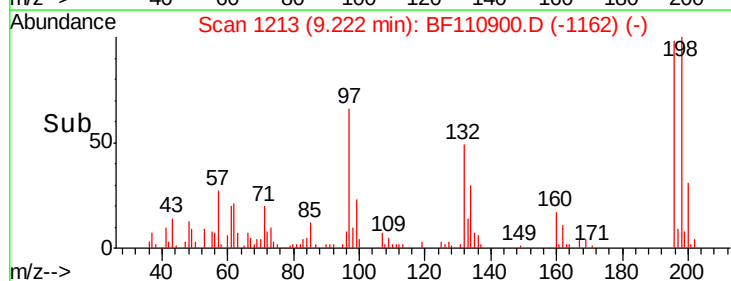
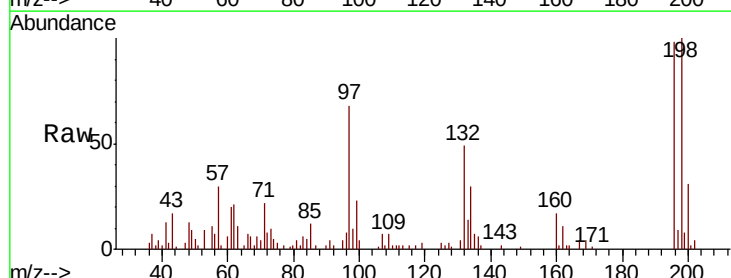
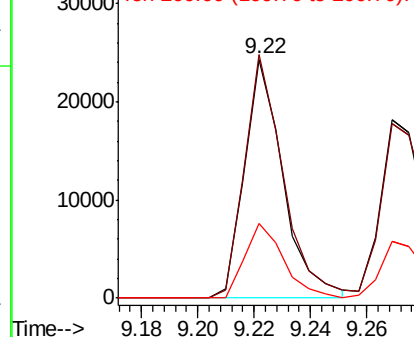
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

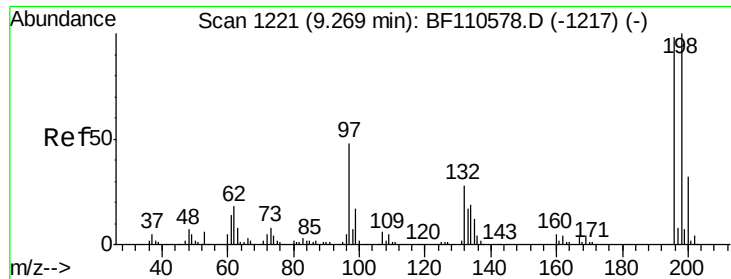


#43
 2,4,6-Trichlorophenol
 Concen: 9.551 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	101.9	76.2	114.4	
200	31.3	24.4	36.6	

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: 9.362 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

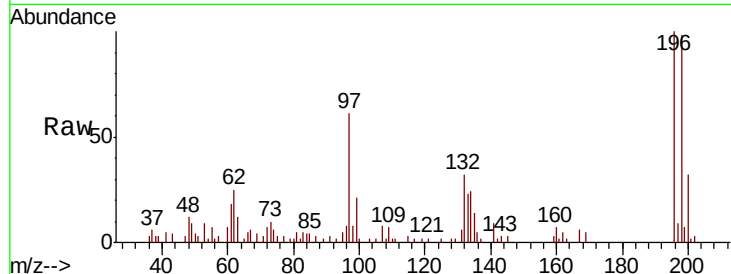
Instrument :
 BNA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	24174		
198	97.6	75.8	113.6	
97	60.8	42.4	63.6	
132	32.2	22.8	34.2	

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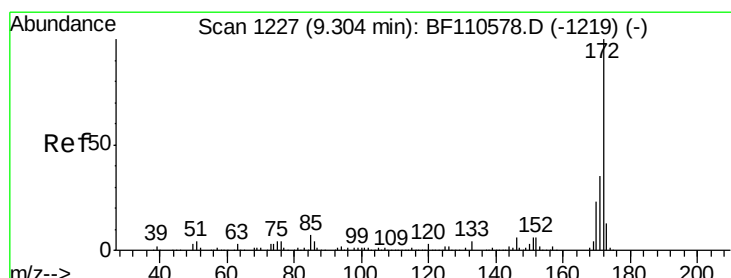
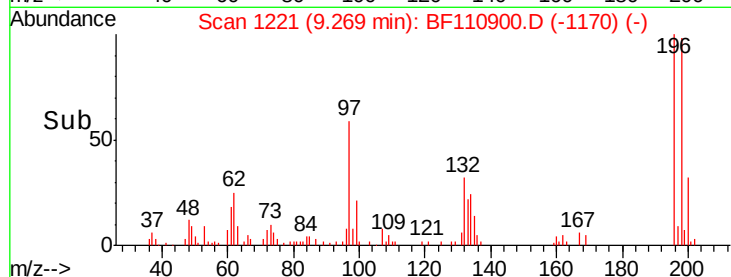
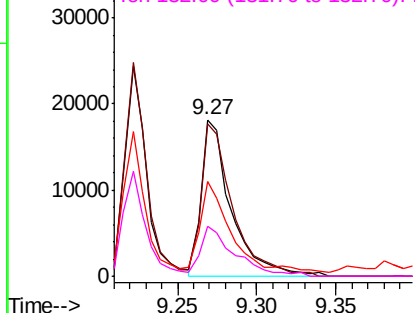
Abundance

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: 20.895 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

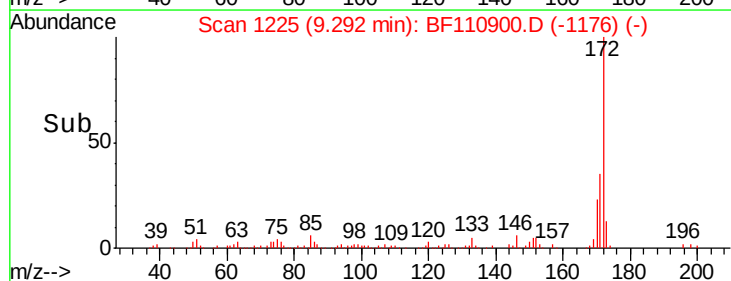
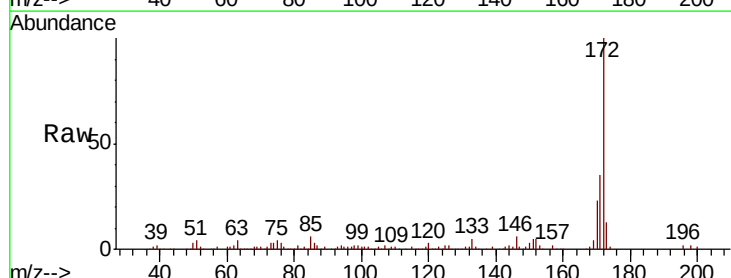
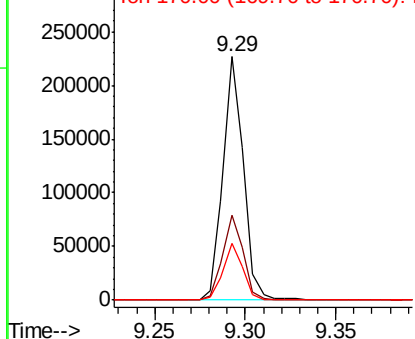
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	178050		
171	34.8	28.6	43.0	
170	23.2	19.7	29.5	

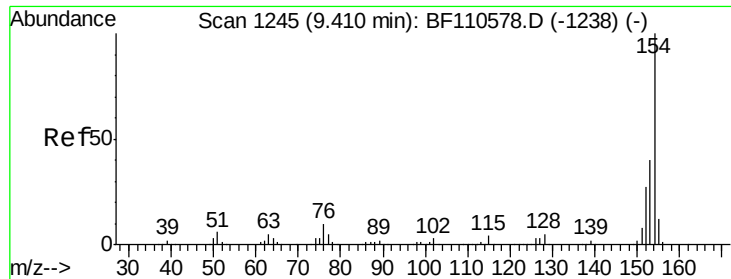
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 21.644 ng

RT: 9.40 min Scan# 1243

Delta R.T. -0.01 min

Lab File: BF110900.D

Acq: 20 Nov 2018 17:55

Instrument :

BNA_F

ClientSampleId :

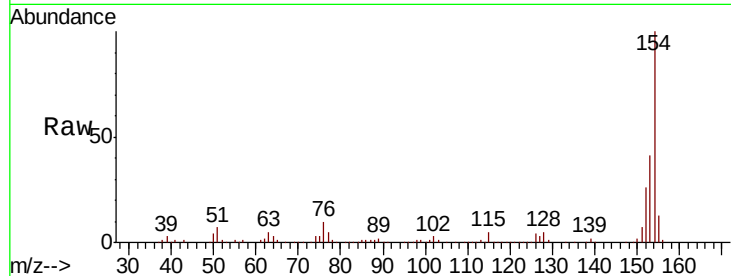
DTW-02(11-13)MSD

Tot Ion:	154	Resp:	245724
Ion Ratio	Lower	Upper	
154	100		
153	40.5	20.4	60.4
76	10.5	0.0	31.9

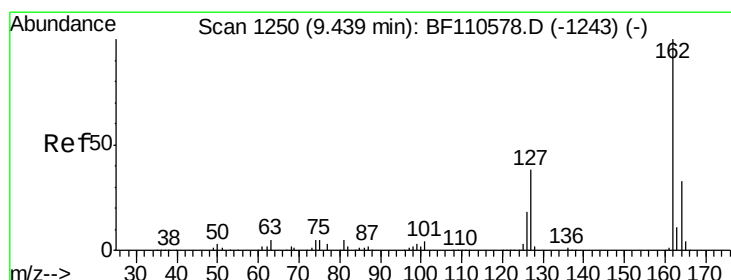
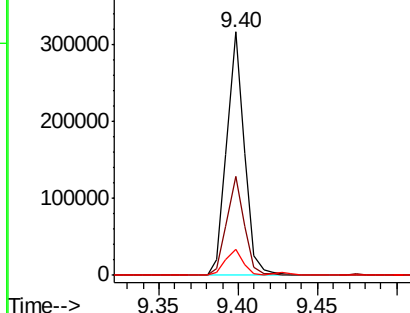
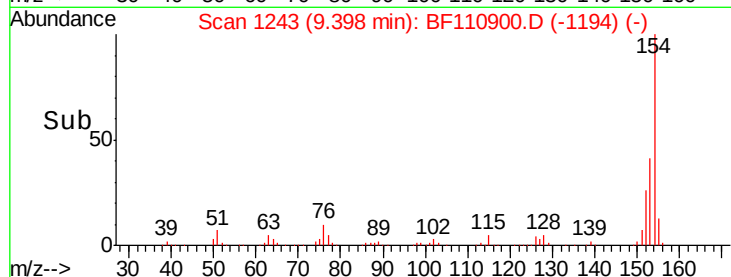
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#47

2-Chloronaphthalene

Concen: 9.259 ng

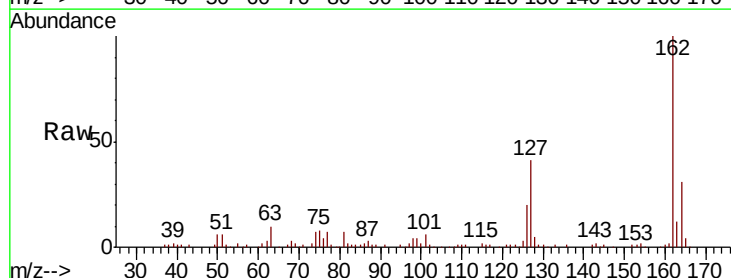
RT: 9.43 min Scan# 1248

Delta R.T. -0.01 min

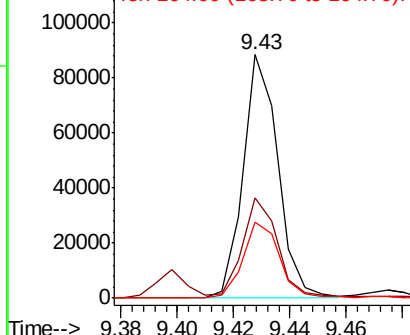
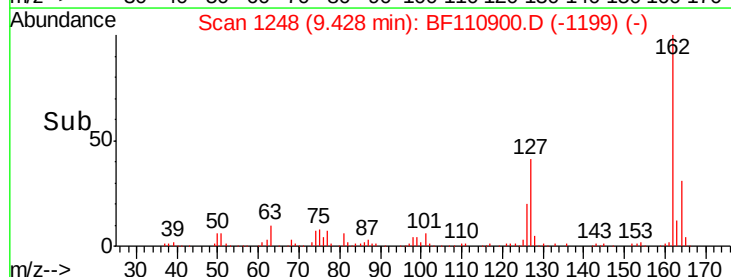
Lab File: BF110900.D

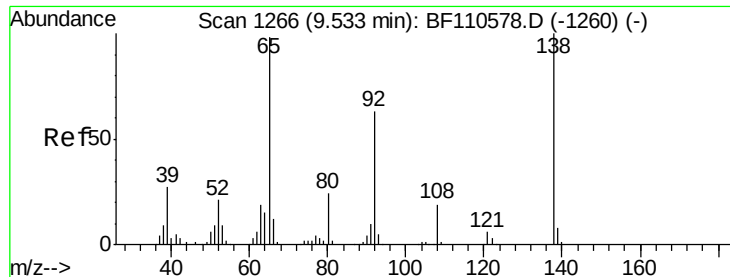
Acq: 20 Nov 2018 17:55

Tgt Ion:	162	Resp:	75725
Ion Ratio	Lower	Upper	
162	100		
127	41.2	32.6	48.8
164	31.3	25.9	38.9



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





#48
2-Nitroaniline
Concen: 10.503 ng
RT: 9.53 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

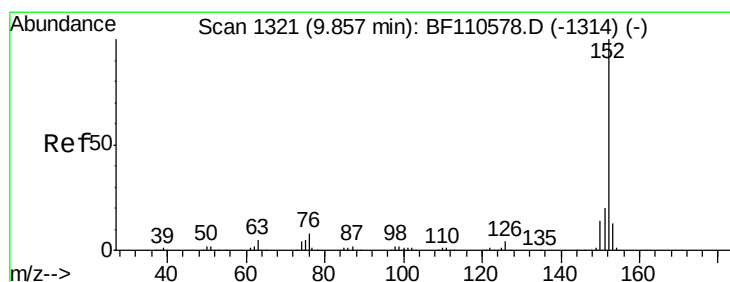
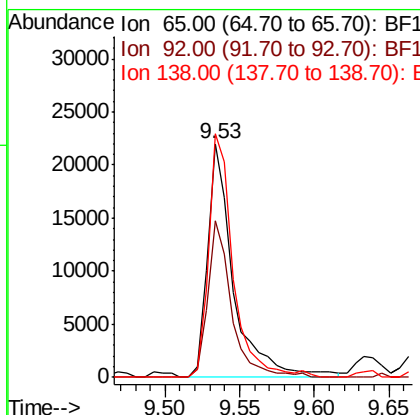
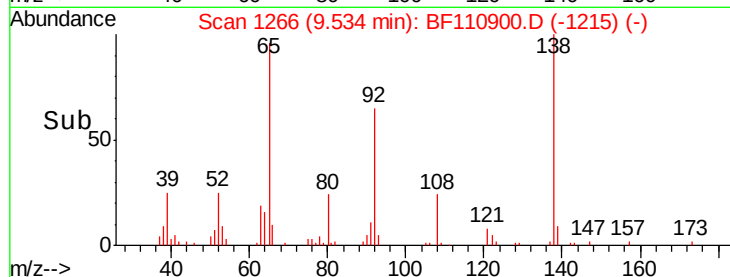
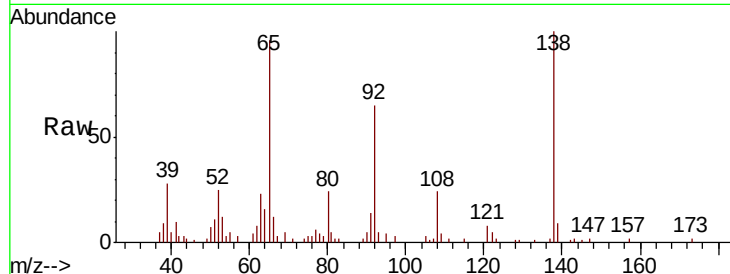
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	67.2	54.6	81.8
138	104.2	80.3	120.5

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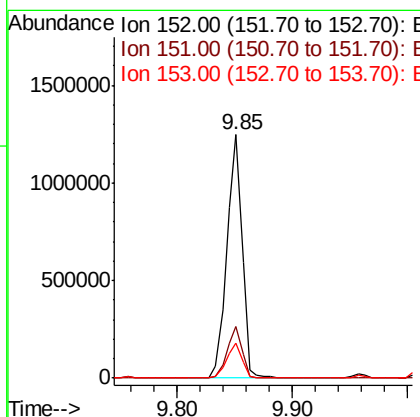
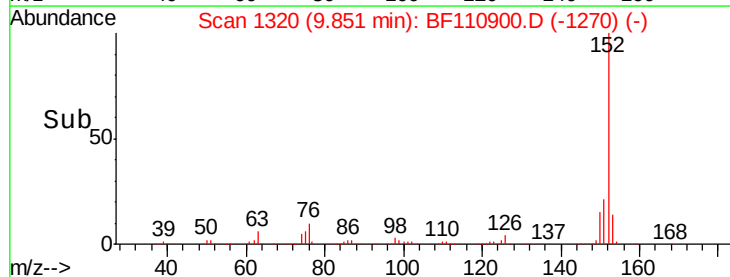
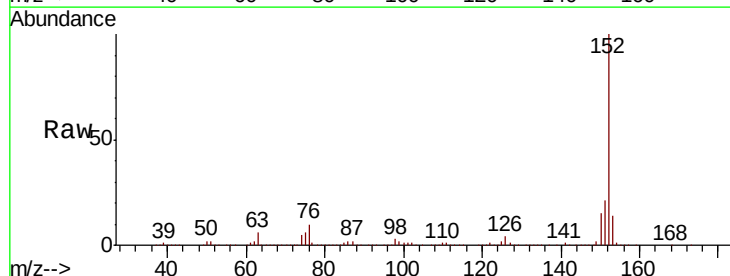
Sohil

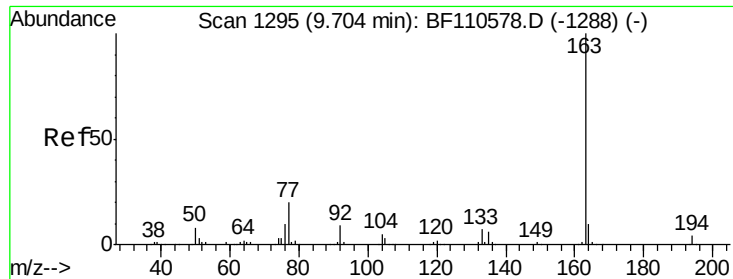
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#49
Acenaphthylene
Concen: 96.713 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	15.8	23.8
153	14.3	10.4	15.6





#50
Dimethylphthalate
Concen: 13.017 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

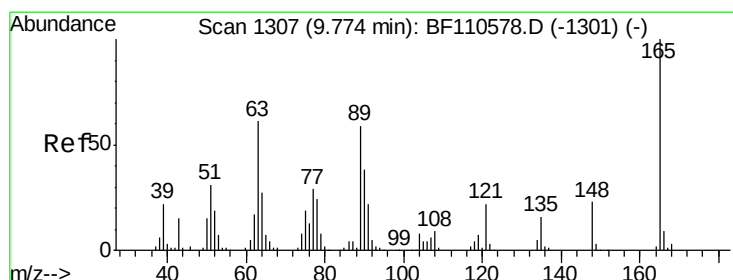
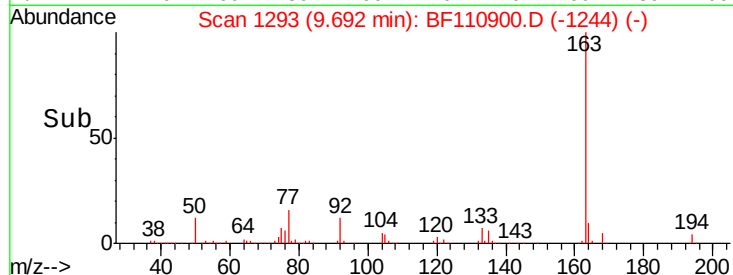
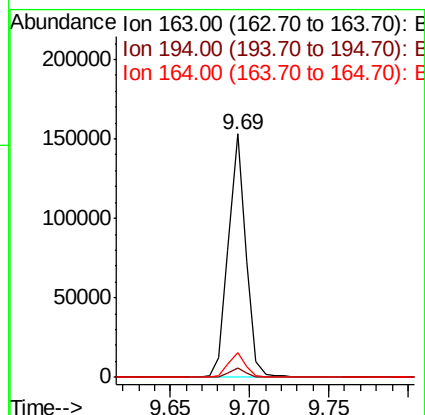
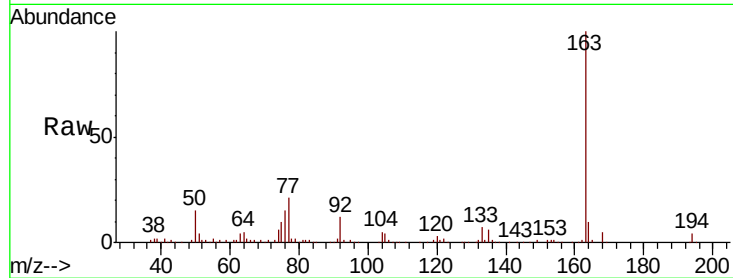
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion:	163	Resp:	118201
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.2	4.8
164	10.0	8.1	12.1

Manual Integrations
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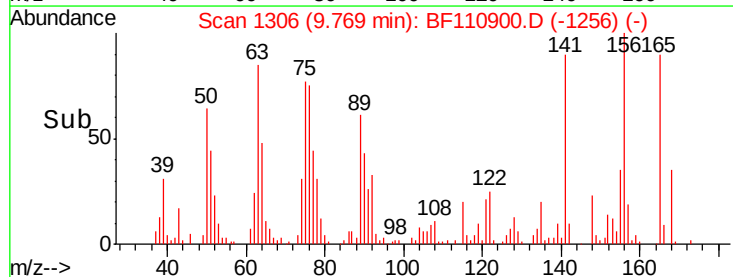
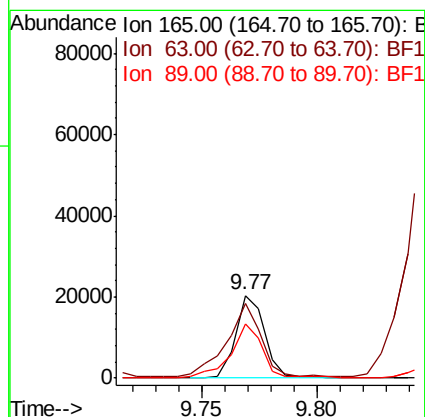
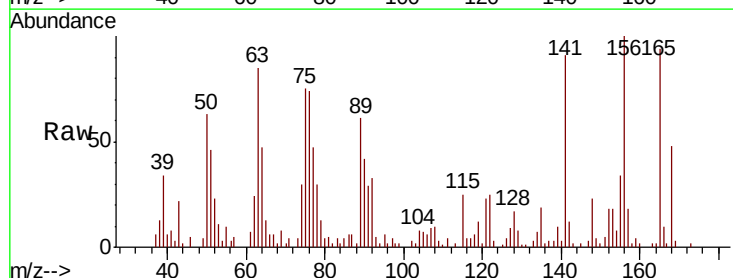
Sohil

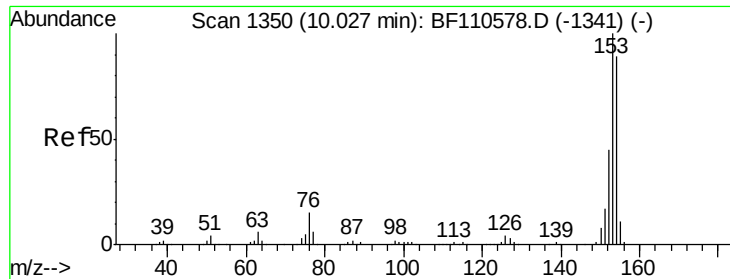
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#51
2,6-Dinitrotoluene
Concen: 8.845 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion:	165	Resp:	17668
Ion Ratio	Lower	Upper	
165	100		
63	90.4	48.9	73.3#
89	65.0	46.6	69.8





#52
Acenaphthene
Concen: 45.187 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

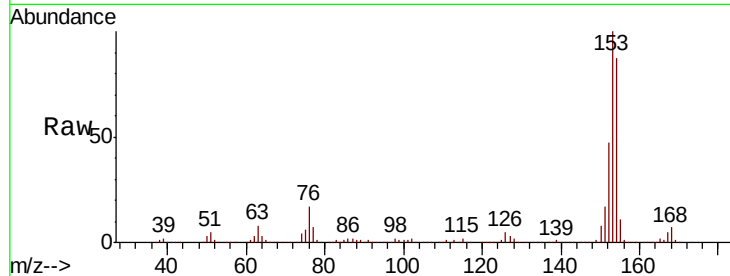
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.4	90.1	135.1
152	53.4	43.4	65.2

Manual Integrations
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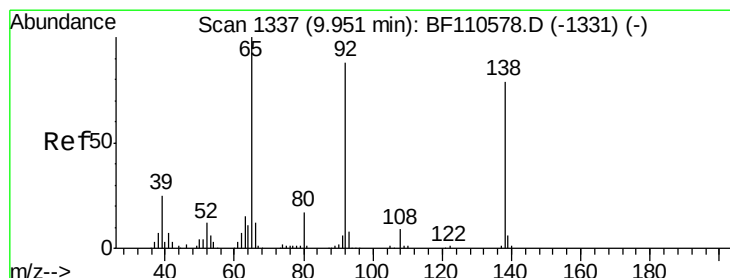
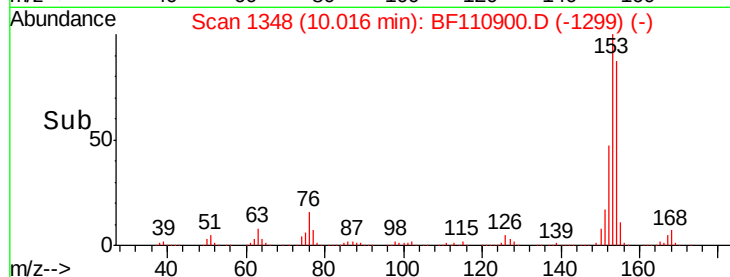
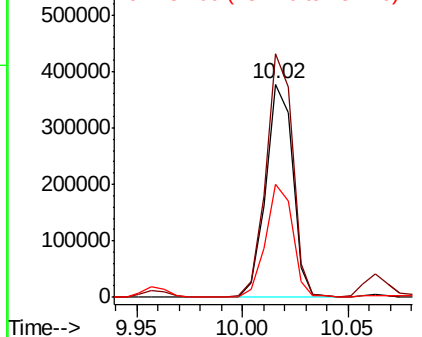


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53
3-Nitroaniline
Concen: 7.315 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.00 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

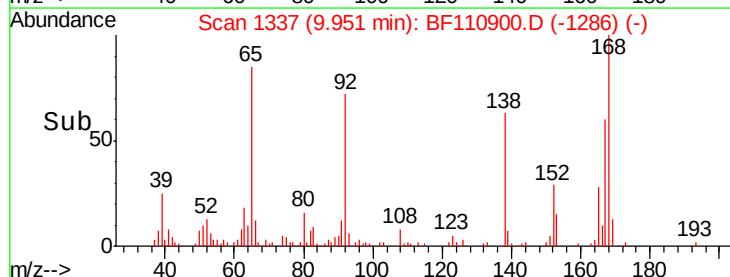
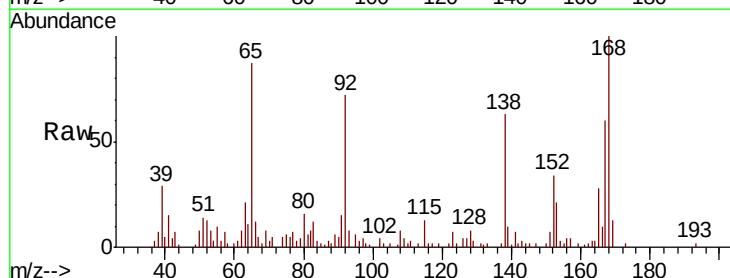
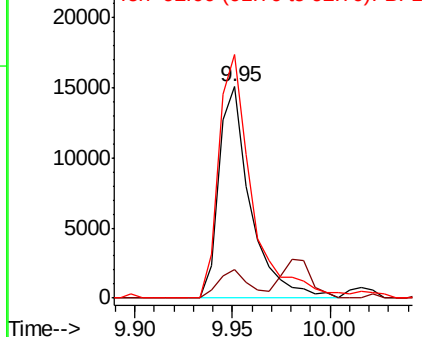
Tgt Ion	Ratio	Lower	Upper
138	100		
108	13.5	8.7	13.1#
92	115.1	97.0	145.4

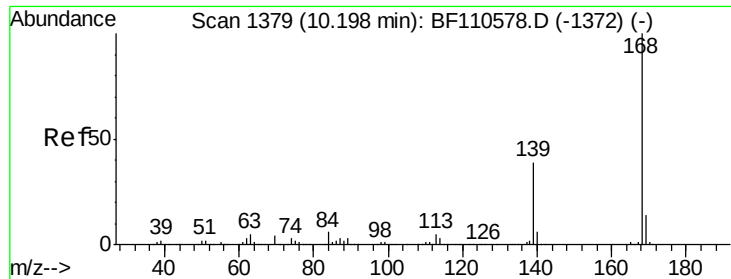
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#55
Dibenzofuran
Concen: 97.282 ng
RT: 10.20 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

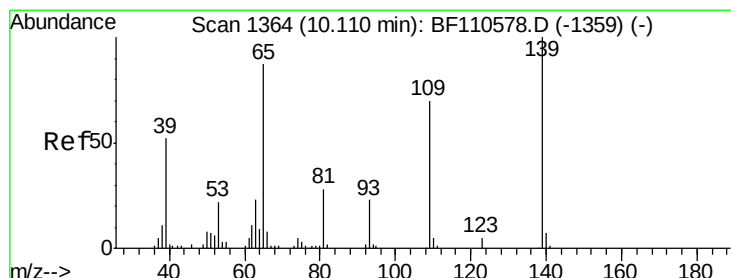
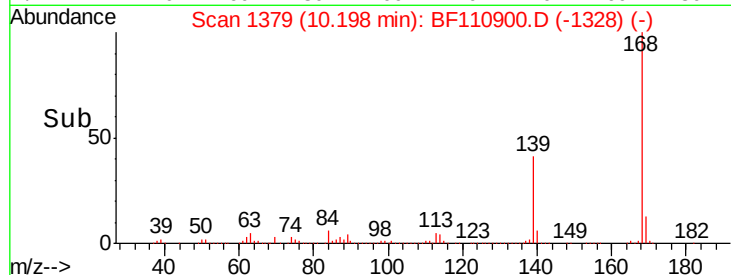
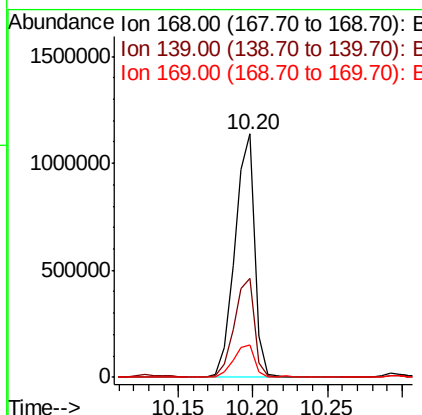
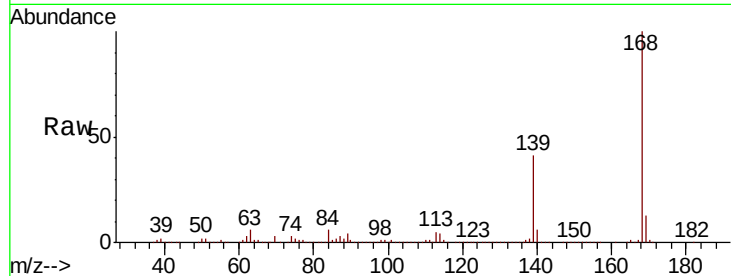
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.6	33.0	49.6
169	13.5	11.3	16.9

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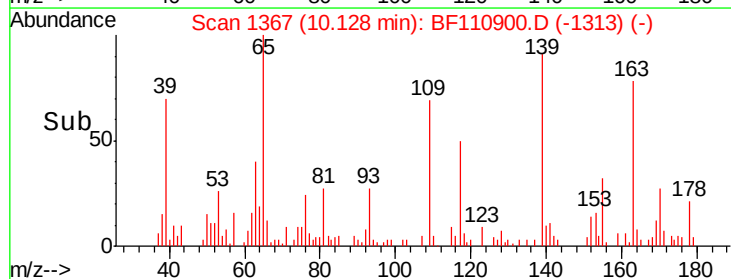
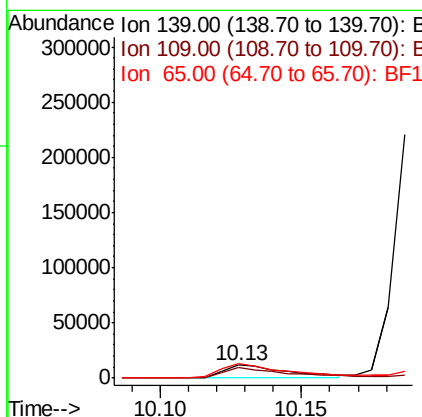
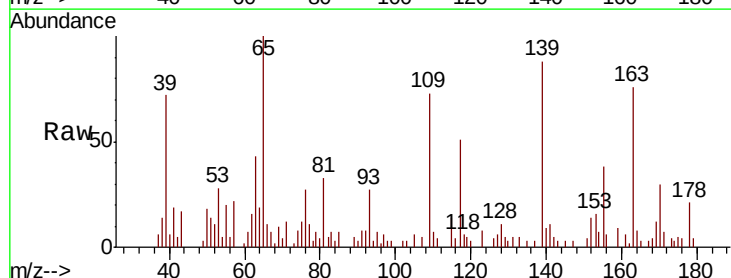
Sohil

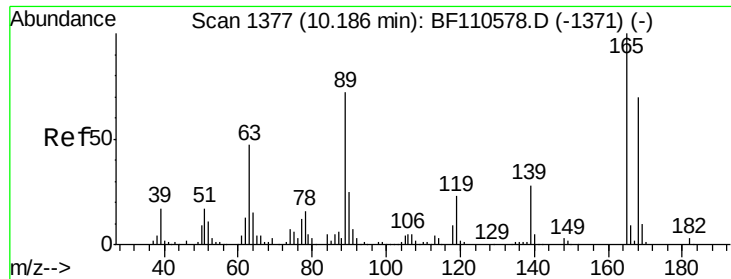
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#56
4-Nitrophenol
Concen: 12.067 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.02 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion	Ratio	Lower	Upper
139	100		
109	82.4	55.8	95.8
65	113.5	77.9	117.9





#57
2,4-Dinitrotoluene
Concen: 8.931 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

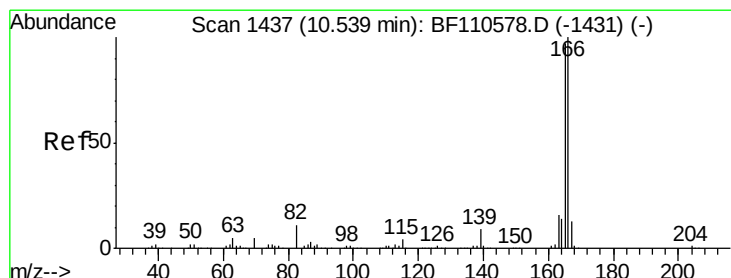
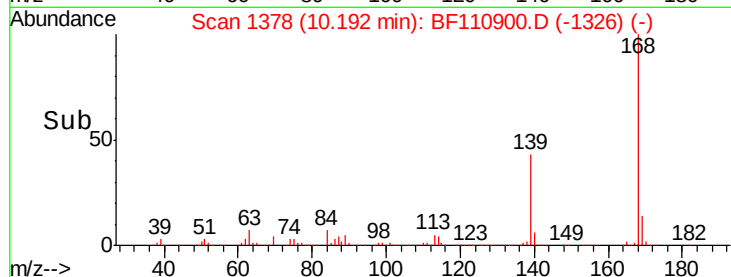
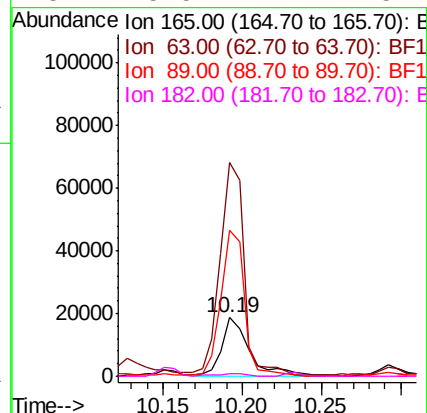
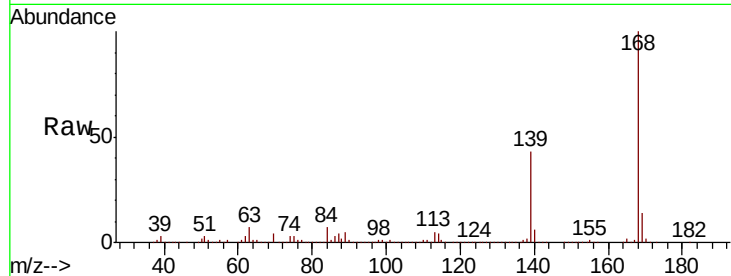
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	364.8	44.8	67.2#
89	249.4	62.2	93.4#
182	3.5	2.1	3.1#

Manual Integrations
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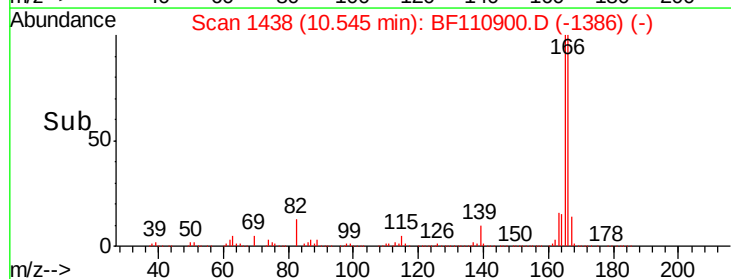
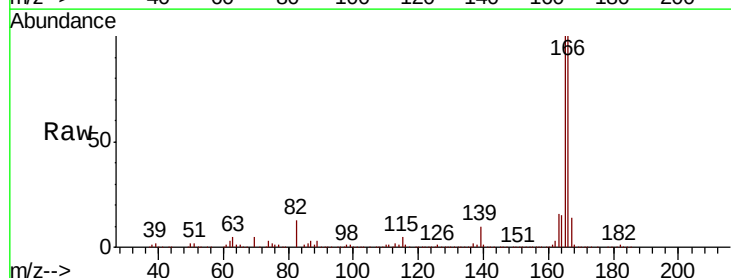
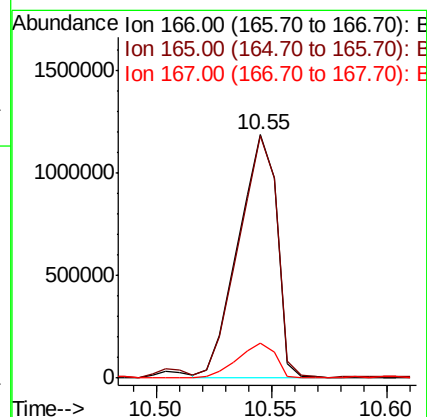
Sohil

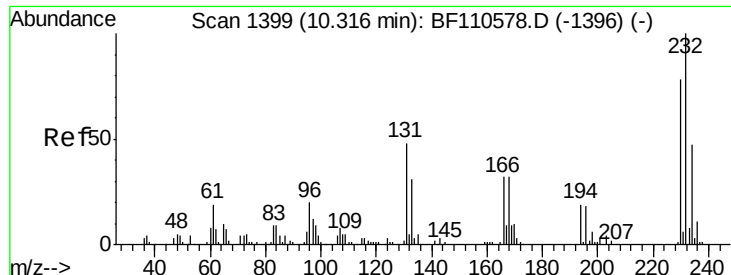
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#58
Fluorene
Concen: 165.179 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.7	78.6	117.8
167	14.2	10.8	16.2





#59
 2,3,4,6-Tetrachlorophenol
 Concen: 8.290 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. 0.00 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

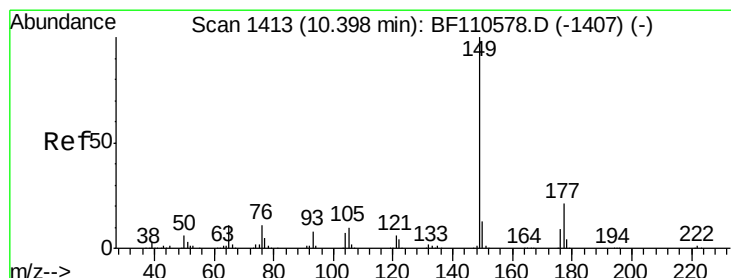
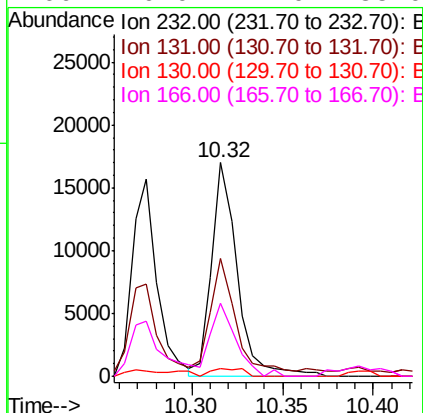
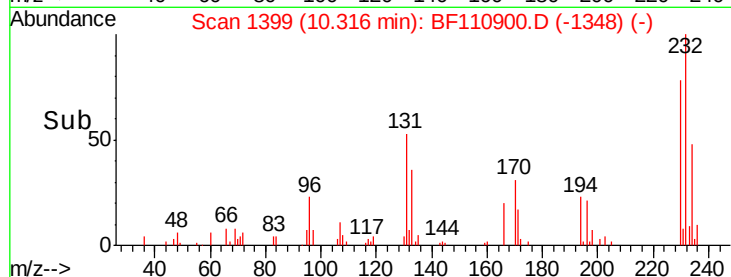
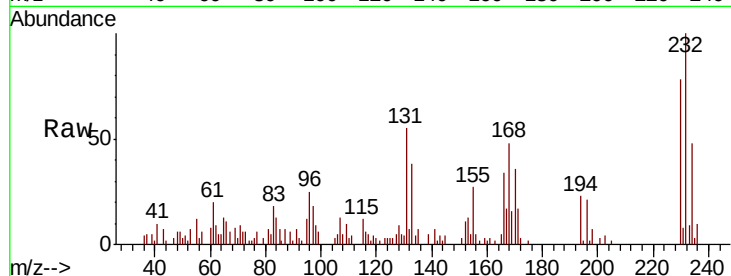
Instrument :
 BNA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	50.1	37.0	55.4
130	4.5	1.8	2.6
166	0.0	22.0	33.0

Manual Integrations
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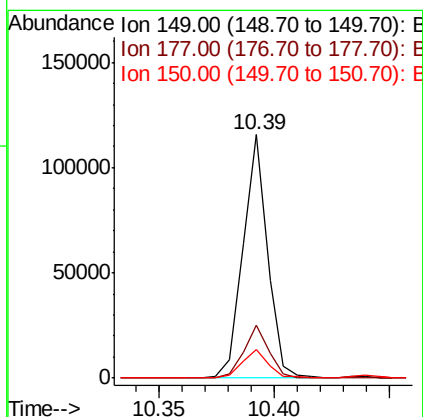
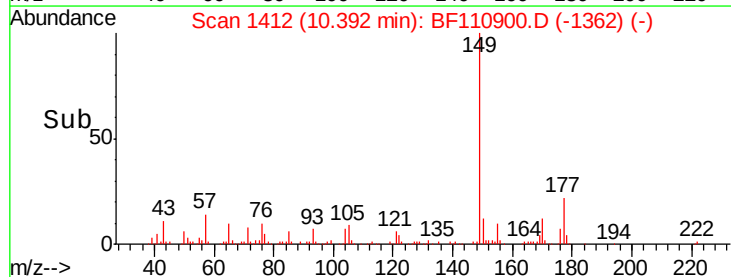
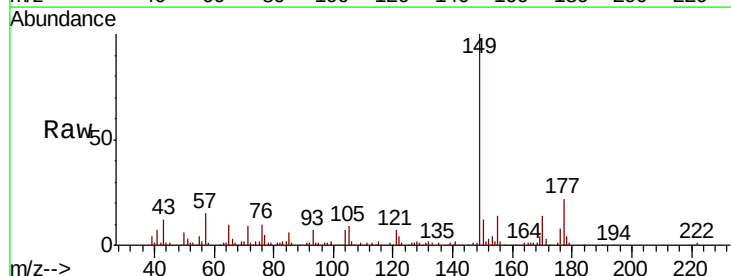
Sohil

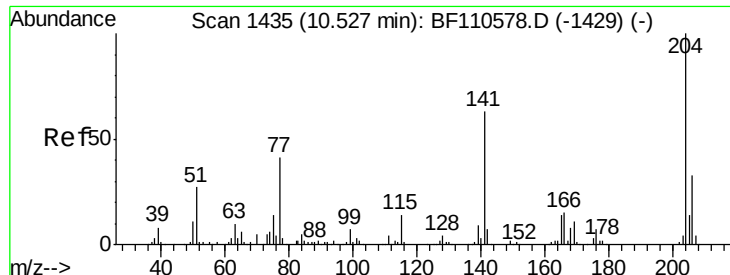
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#60
 Diethylphthalate
 Concen: 9.604 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.4	26.2
150	11.6	9.8	14.8





#61
4-Chlorophenyl-phenylether
Concen: 8.541 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

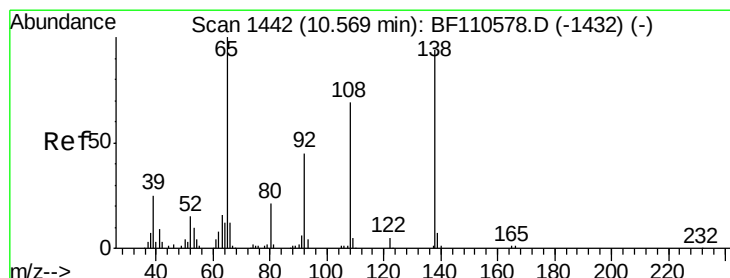
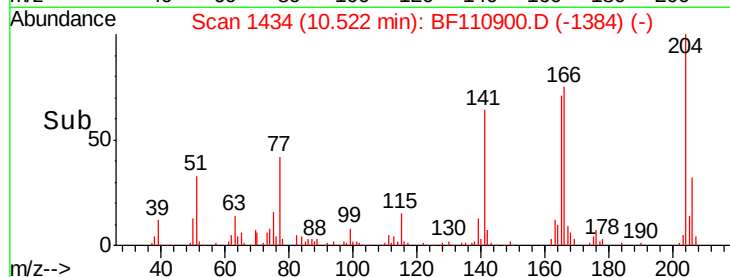
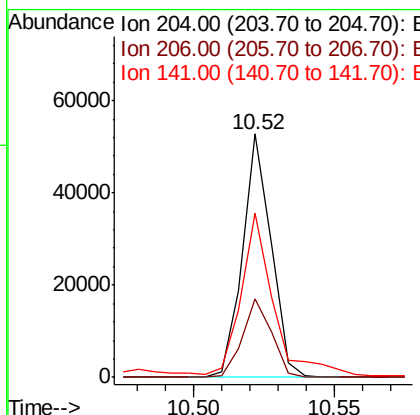
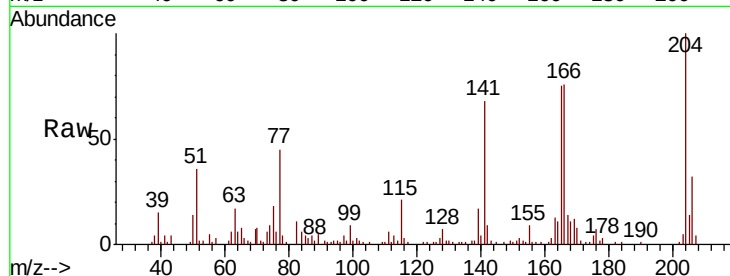
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.0	26.5	39.7
141	67.6	51.8	77.8

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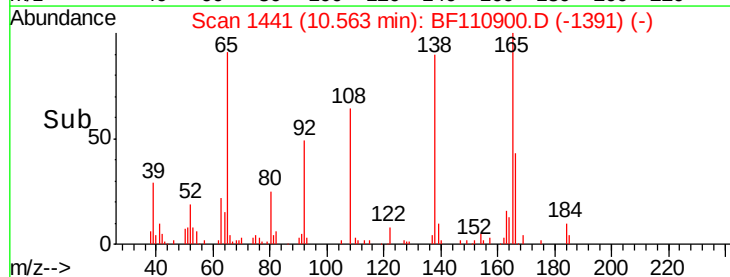
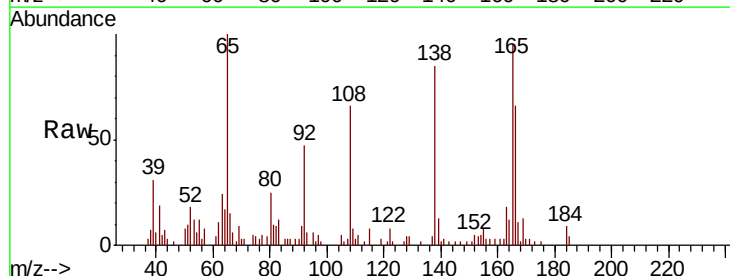
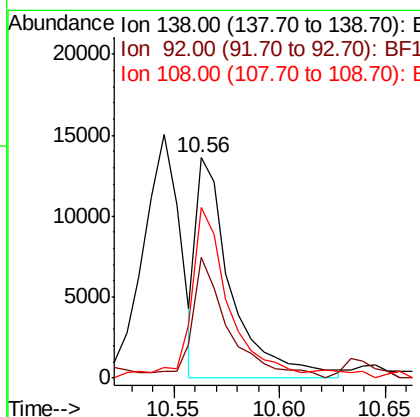
Sohil

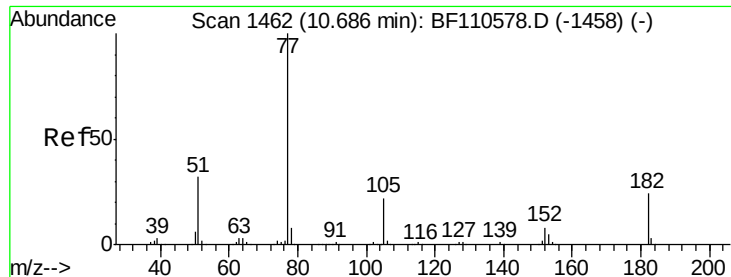
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#62
4-Nitroaniline
Concen: 6.761 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion	Ratio	Lower	Upper
138	100		
92	54.7	31.7	71.7
108	77.7	59.3	99.3





#63
Azobenzene
Concen: 9.235 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

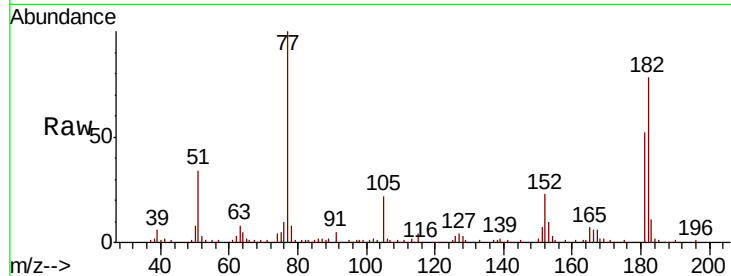
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	78.1	4.3	44.3	#
105	21.6	1.3	41.3	
51	34.3	9.0	49.0	

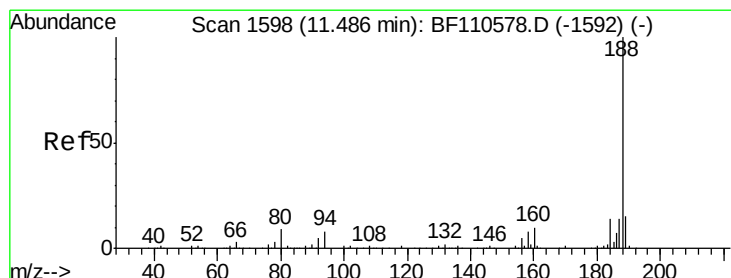
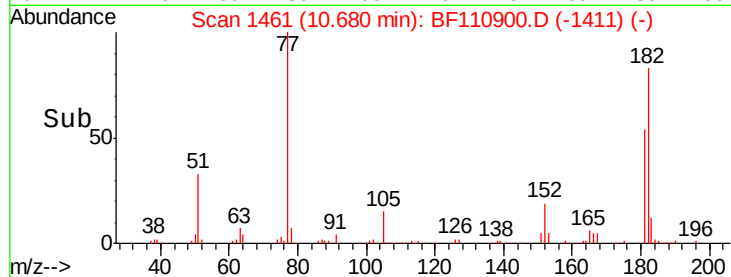
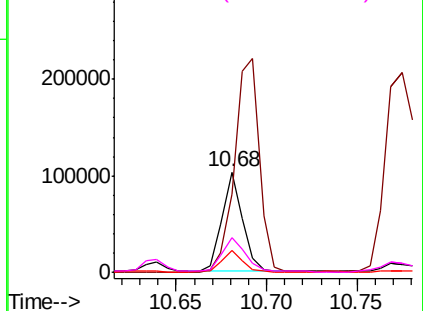
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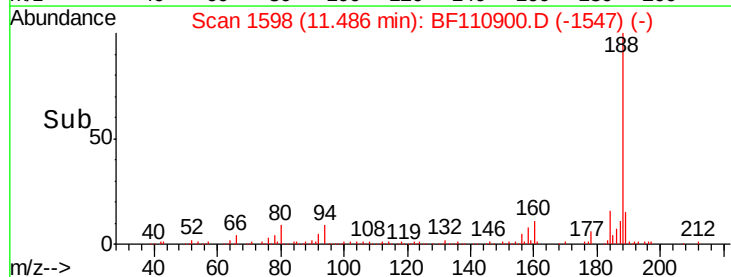
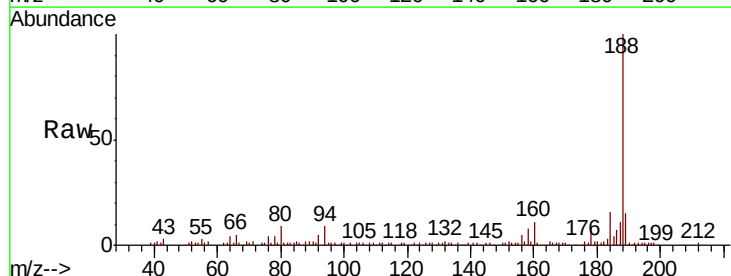
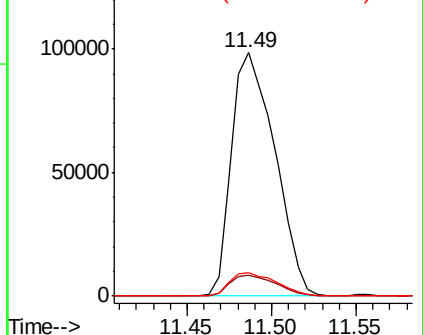
Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

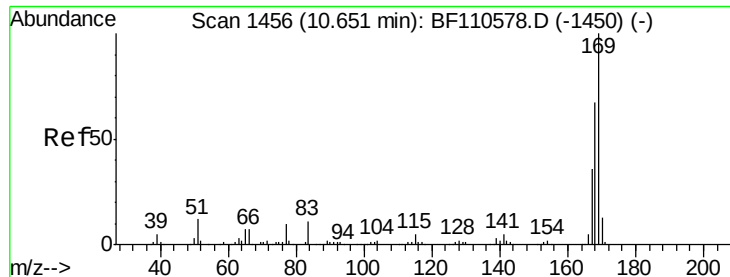


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.00 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.5	7.2	10.8	
80	9.4	7.9	11.9	

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#66
 n-Nitrosodiphenylamine
 Concen: 12.508 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

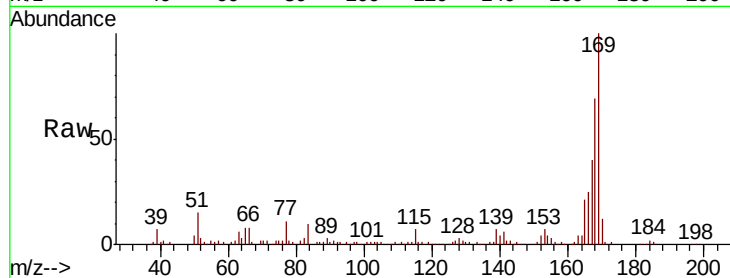
Instrument :
 BNA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
169	100		73971		
168	68.9	51.2	76.8		
167	40.5	27.8	41.6		

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Abundance

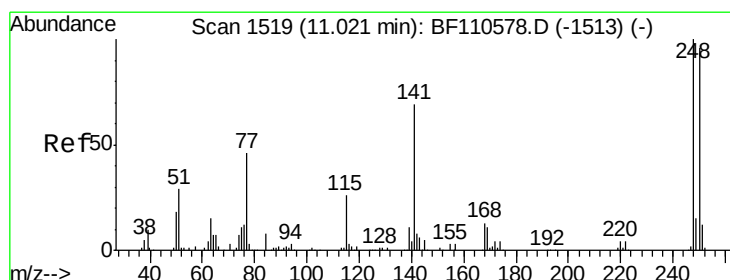
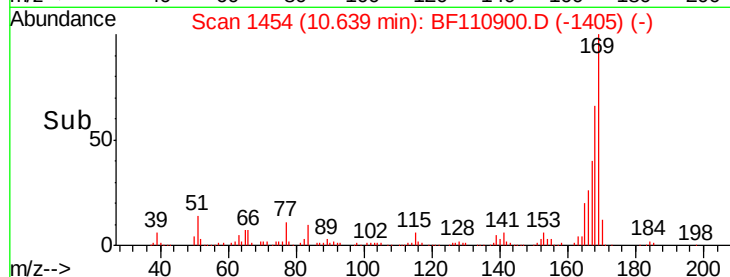
Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

10.64

Time-->



#67
 4-Bromophenyl-phenylether
 Concen: 10.484 ng
 RT: 11.01 min Scan# 1517
 Delta R.T. -0.01 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
248	100		20329		
250	93.0	79.4	119.2		
141	94.1	55.9	83.9#		

Abundance

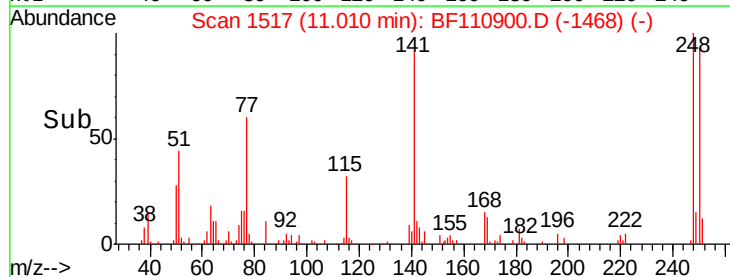
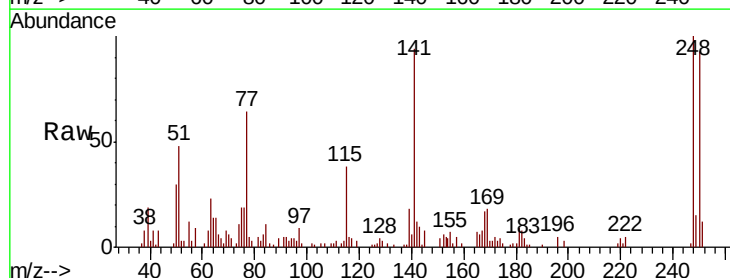
Ion 248.00 (247.70 to 248.70): E

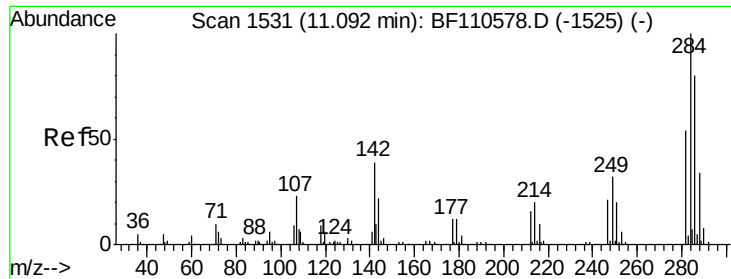
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

11.01

Time-->





#68
Hexachlorobenzene
Concen: 9.809 ng
RT: 11.10 min Scan# 1532
Delta R.T. 0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

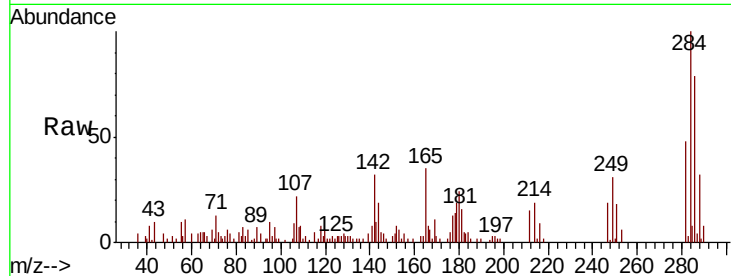
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	20053		
142	31.7		23.9	35.9
249	30.9		24.2	36.2

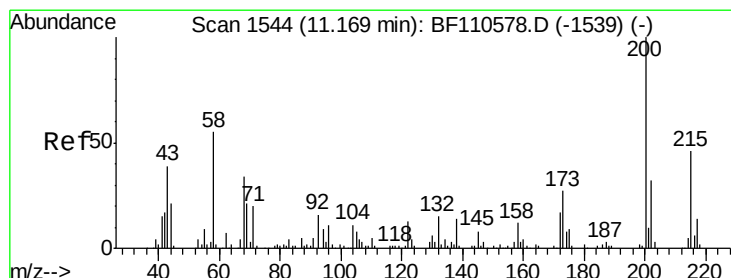
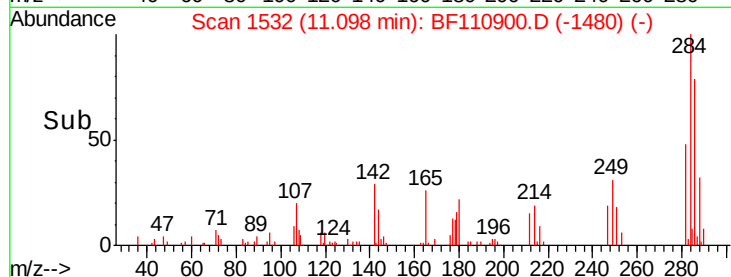
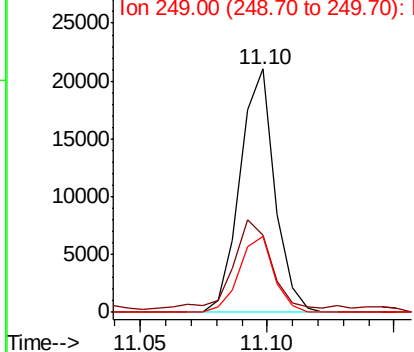
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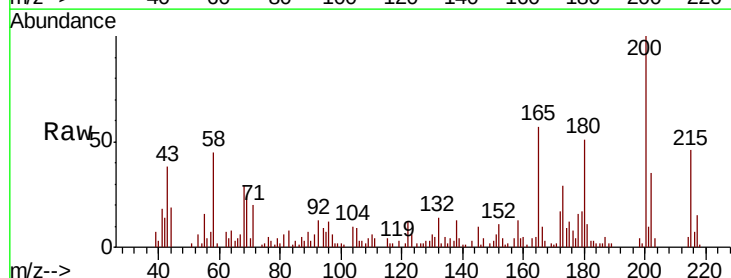


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

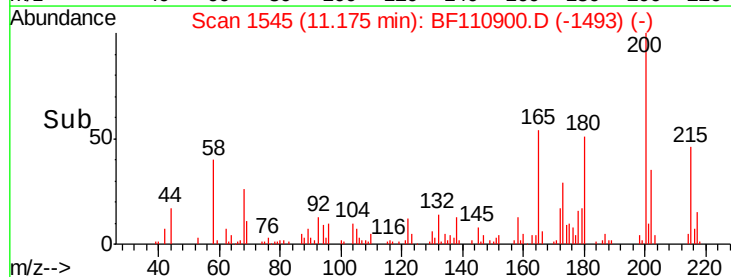
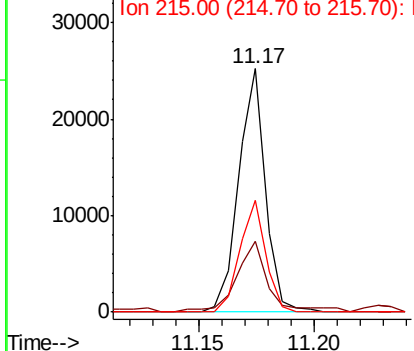


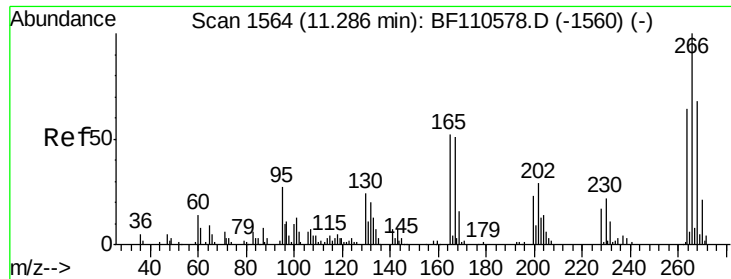
#69
Atrazine
Concen: 11.264 ng
RT: 11.17 min Scan# 1545
Delta R.T. 0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	20369		
173	29.1		6.6	46.6
215	45.7		26.3	66.3



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





#70
 Pentachlorophenol
 Concen: 10.204 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. 0.02 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

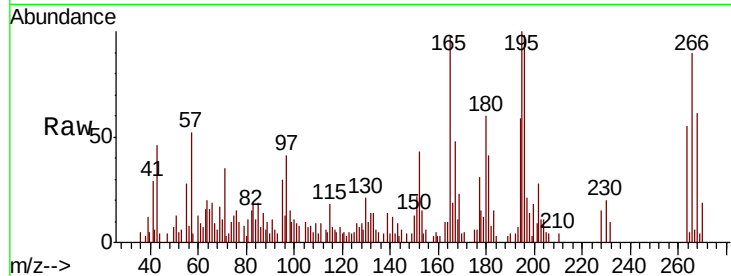
Instrument :
 BNA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Tot Ion:	266	Resp:	11132
Ion Ratio	Lower	Upper	
266	100		
268	66.9	50.6	75.8
264	61.2	50.6	75.8

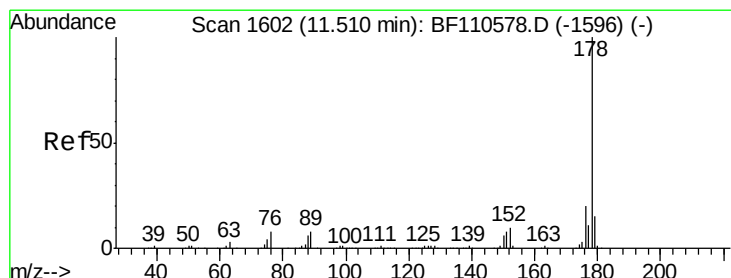
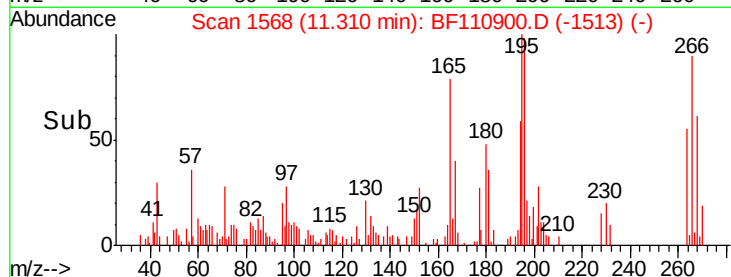
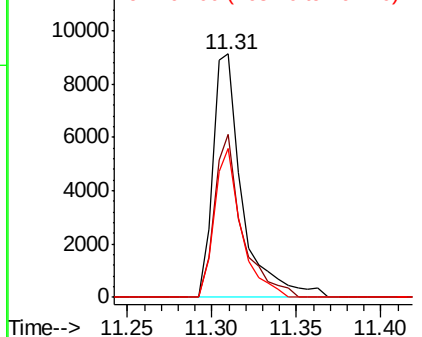
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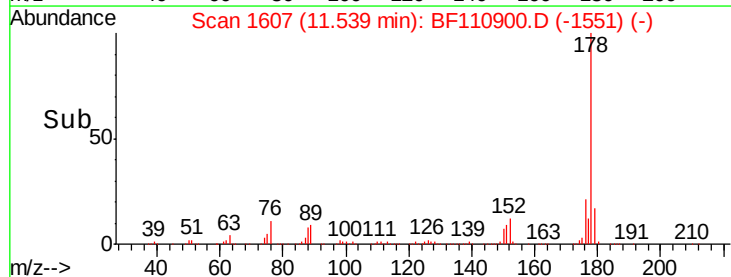
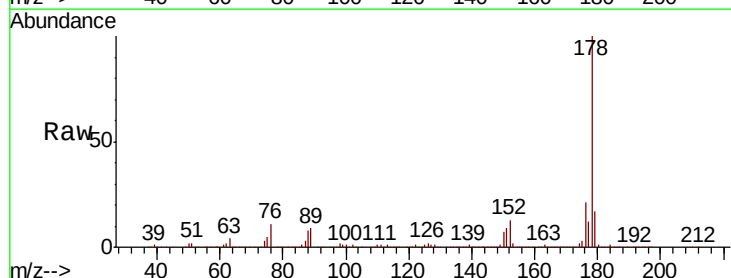
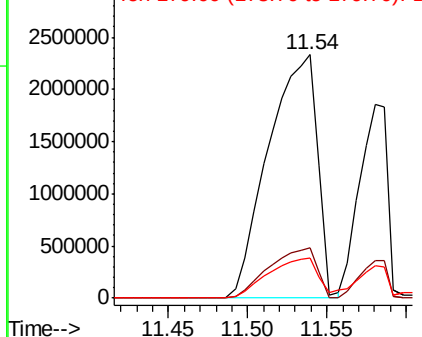
Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

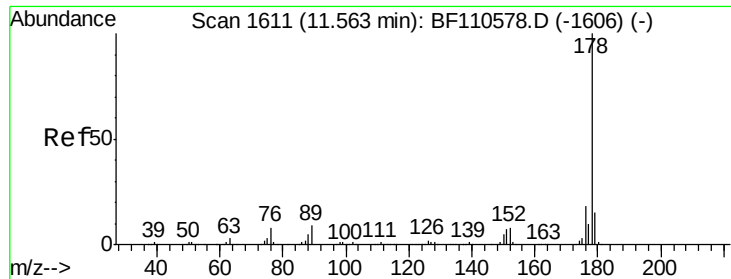


#71
 Phenanthrene
 Concen: 532.530 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. 0.03 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

Tgt Ion:	178	Resp:	5005772
Ion Ratio	Lower	Upper	
178	100		
176	20.9	15.5	23.3
179	16.6	12.5	18.7

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: 244.628 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. 0.02 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

Instrument :
 BNA_F
 ClientSampleId :
 DTW-02(11-13)MSD

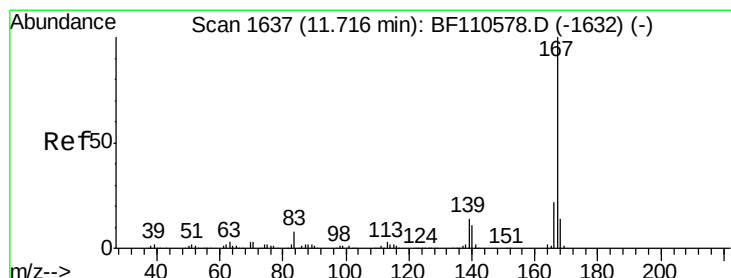
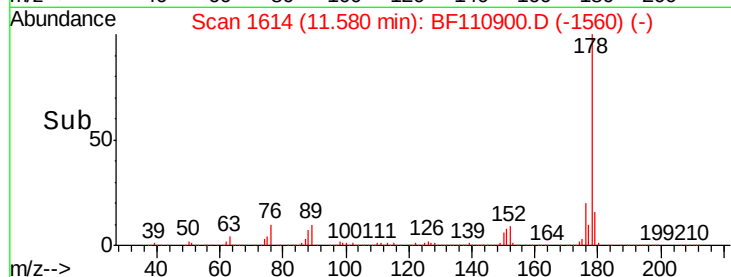
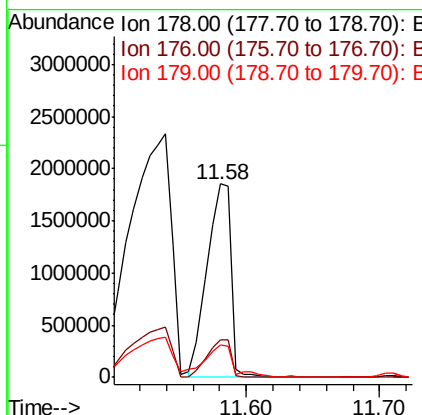
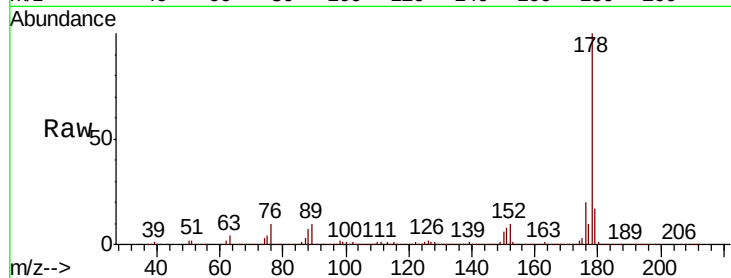
Tot Ion:178 Resp: 2319632

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	16.6	12.6	18.8

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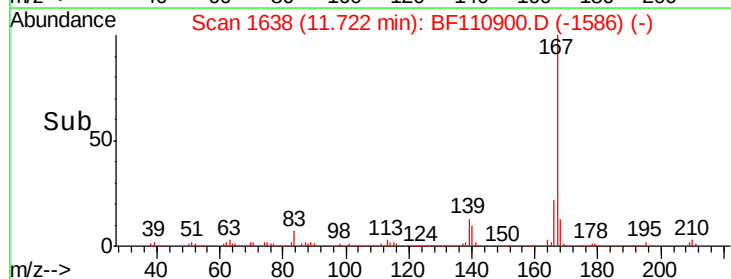
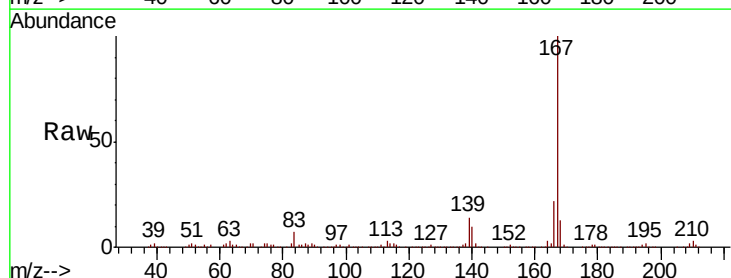
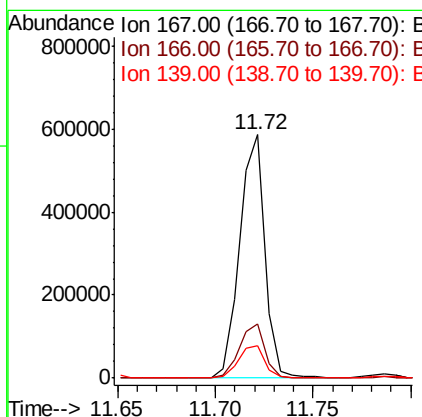
11/21/2018 3:17:58 PM

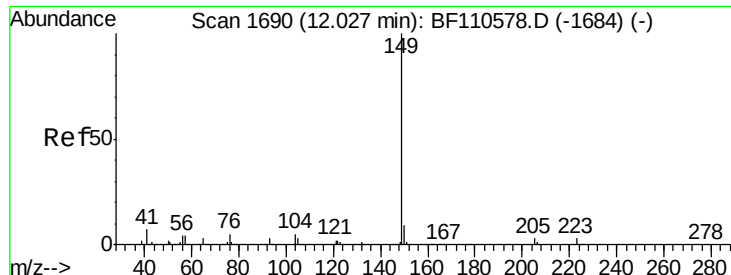


#73
 Carbazole
 Concen: 57.594 ng
 RT: 11.72 min Scan# 1638
 Delta R.T. 0.01 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

Tgt Ion:167 Resp: 524482

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.4	26.0
139	13.5	10.9	16.3





#74

Di-n-butylphthalate

Concen: 10.353 ng

RT: 12.02 min Scan# 1689

Delta R.T. -0.01 min

Lab File: BF110900.D

Acq: 20 Nov 2018 17:55

Instrument :

BNA_F

ClientSampleId :

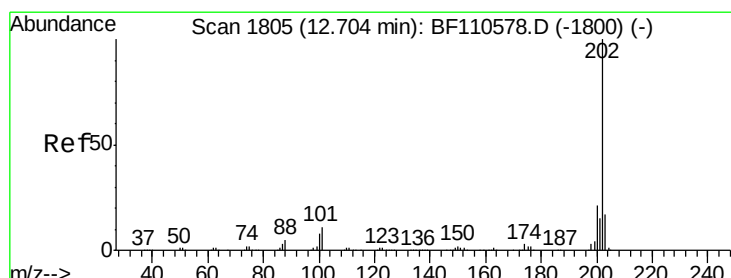
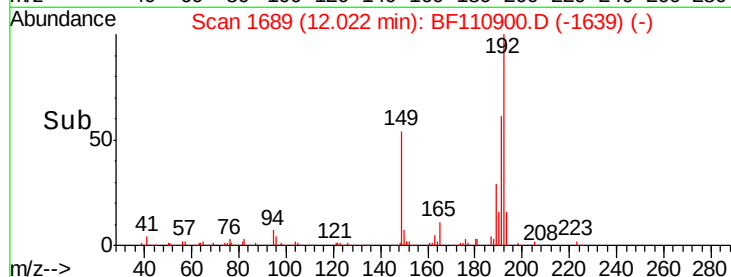
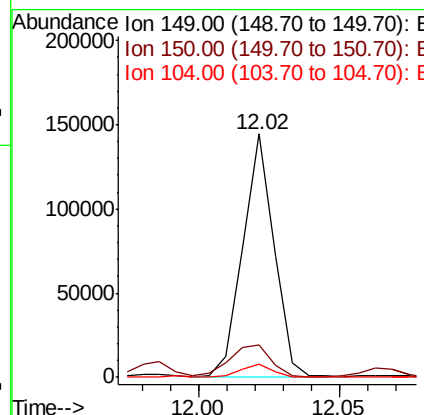
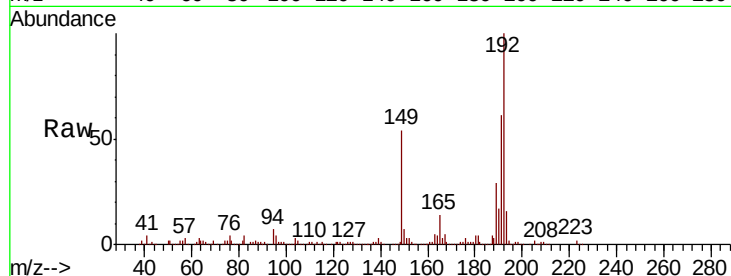
DTW-02(11-13)MSD

Tot Ion:	149	Resp:	110559
Ion Ratio	Lower	Upper	
149	100		
150	13.2	7.7	11.5#
104	5.3	4.2	6.4

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#75

Fluoranthene

Concen: 496.618 ng

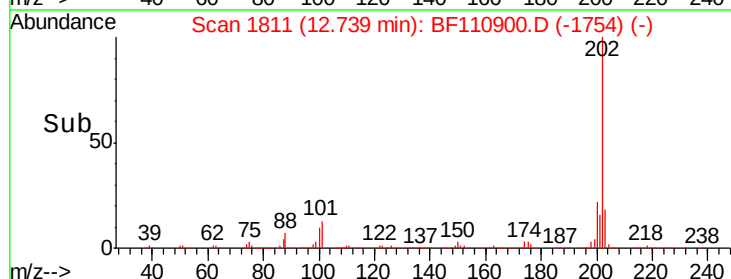
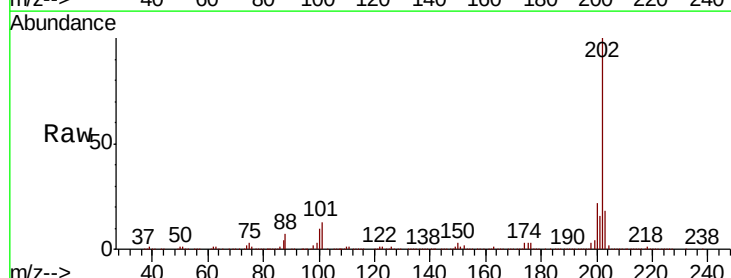
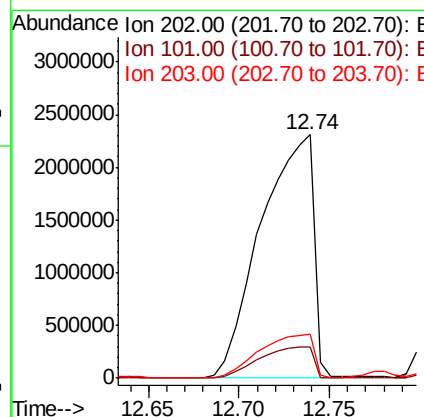
RT: 12.74 min Scan# 1811

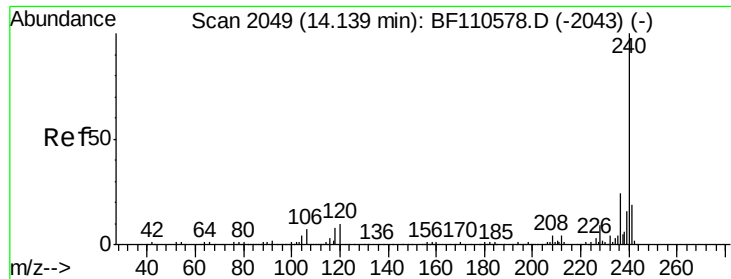
Delta R.T. 0.04 min

Lab File: BF110900.D

Acq: 20 Nov 2018 17:55

Tgt Ion:	202	Resp:	4680183
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	31.4
203	18.3	0.0	37.7





#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2052
 Delta R.T. 0.02 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

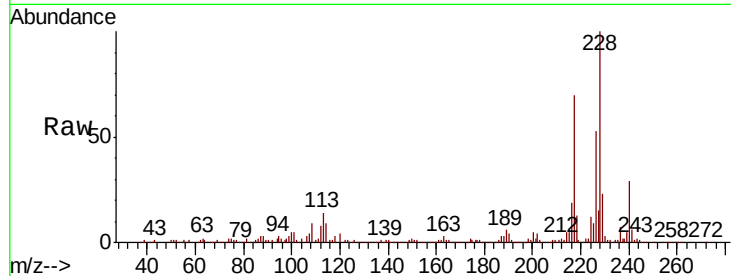
Instrument :
 BNA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	8.3	12.5
236	26.0	21.2	31.8

Manual Integrations
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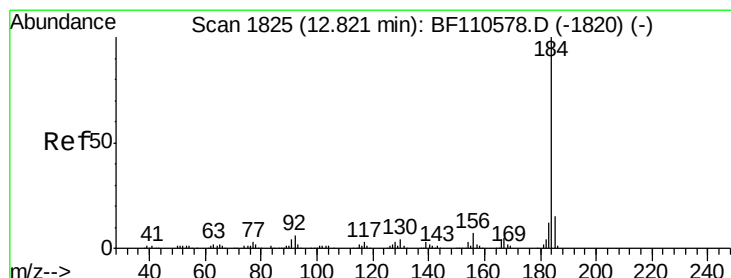
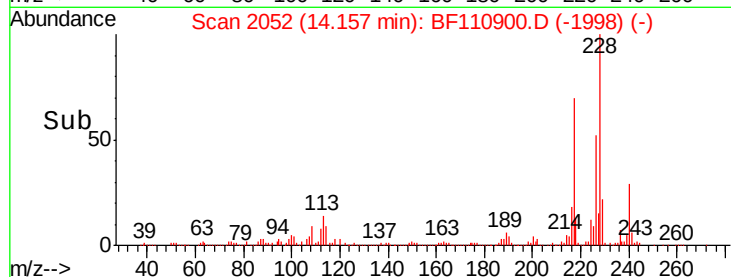
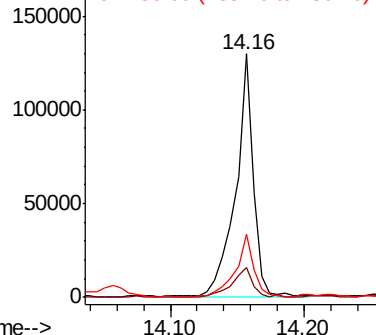


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77
 Benzidine
 Concen: 8.994 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

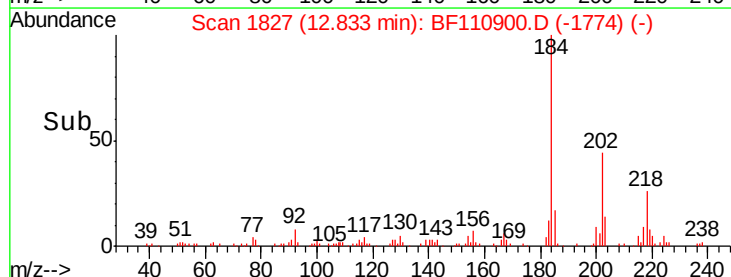
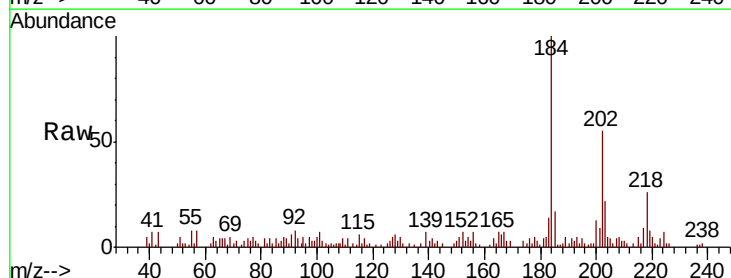
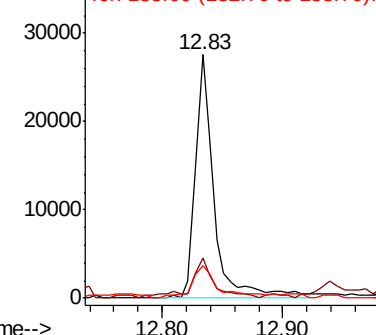
Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.7	13.4	20.2
183	13.6	9.4	14.2

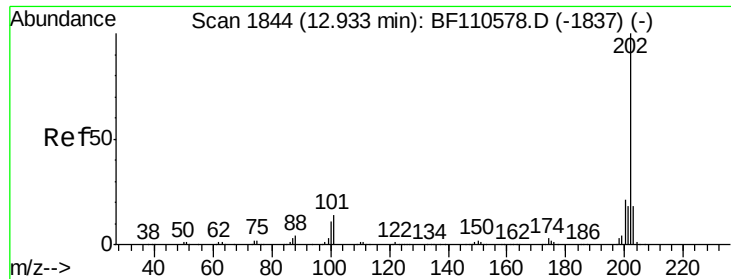
Abundance

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

Pvrene

Concen: 407.461 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.04 min

Lab File: BF110900.D

Acq: 20 Nov 2018 17:55

Instrument :

BNA_F

ClientSampleId :

DTW-02(11-13)MSD

Tot Ion:202 Resp: 3720874

Ion Ratio Lower Upper

202 100

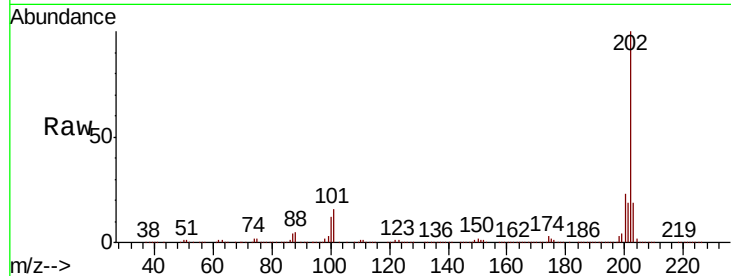
200 22.7 17.8 26.6

203 19.0 14.2 21.4

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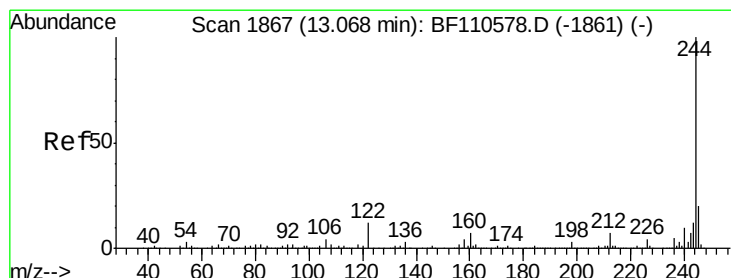
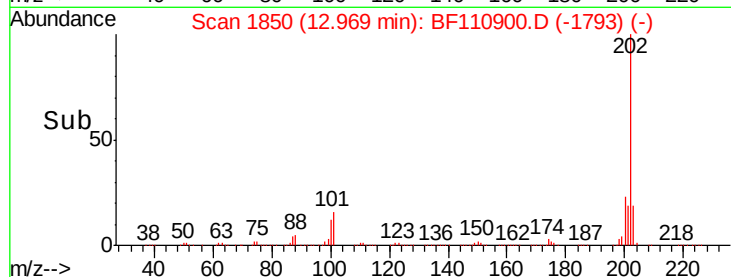
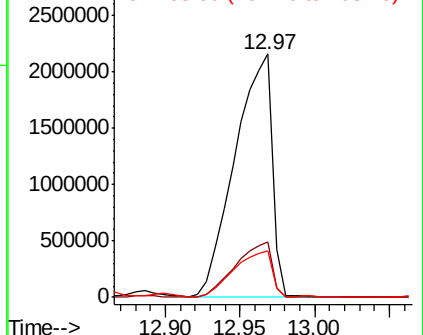


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 19.321 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110900.D

Acq: 20 Nov 2018 17:55

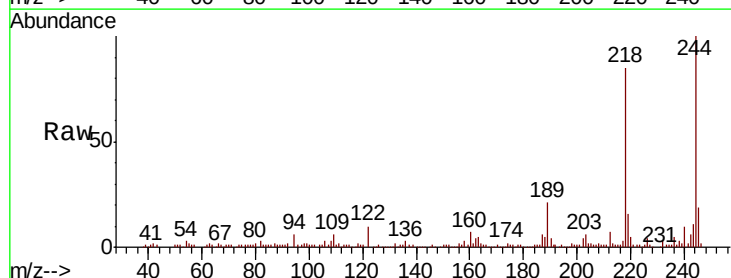
Tgt Ion:244 Resp: 122359

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

122 10.3 8.7 13.1

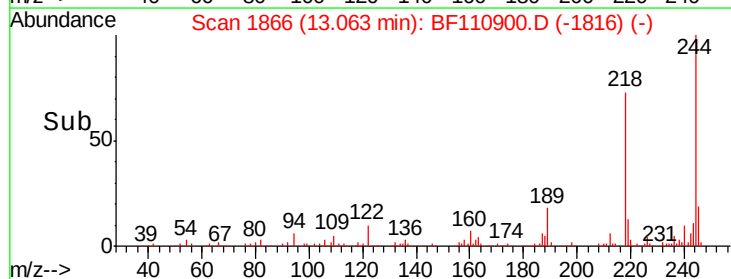
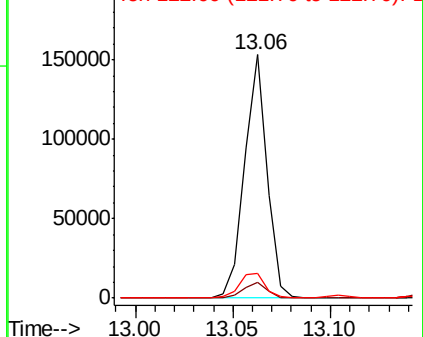


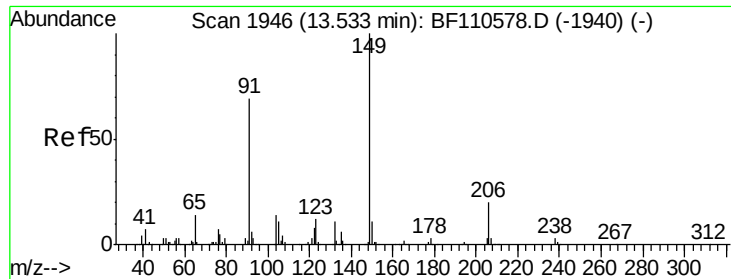
Abundance

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: 10.647 ng
RT: 13.53 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

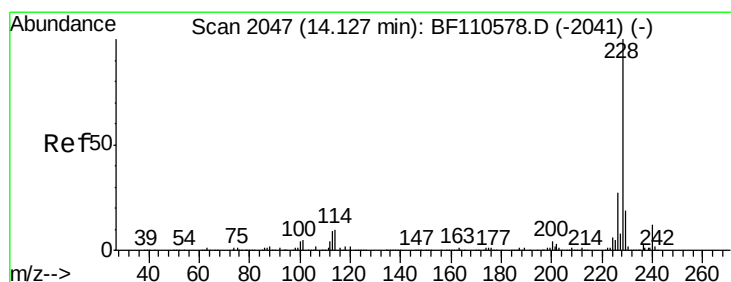
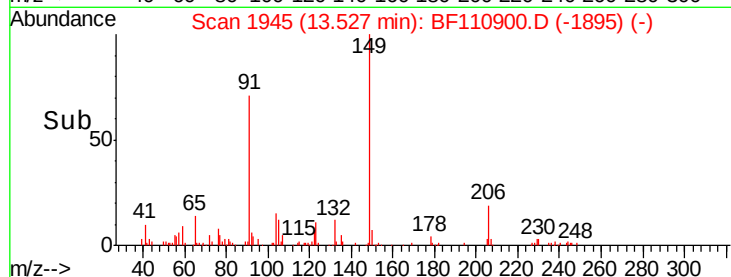
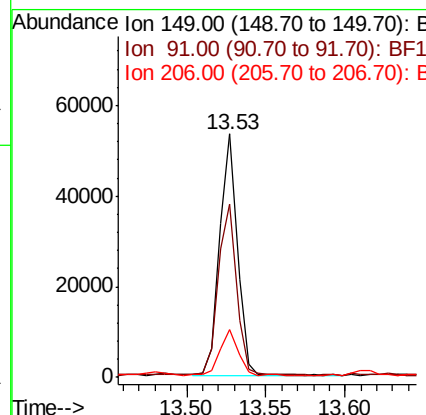
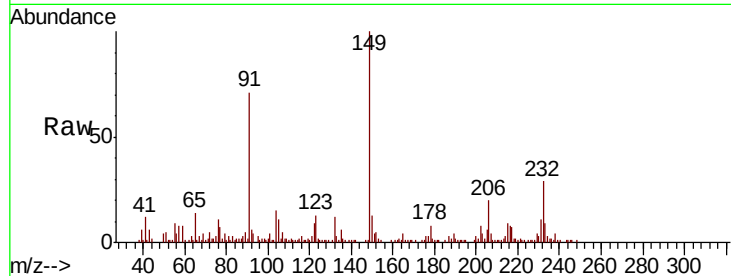
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	71.2	57.2	85.8
206	19.5	15.7	23.5

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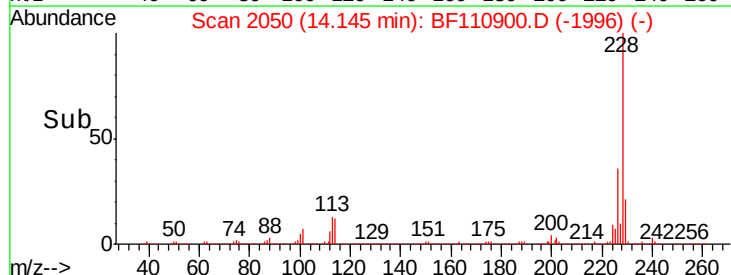
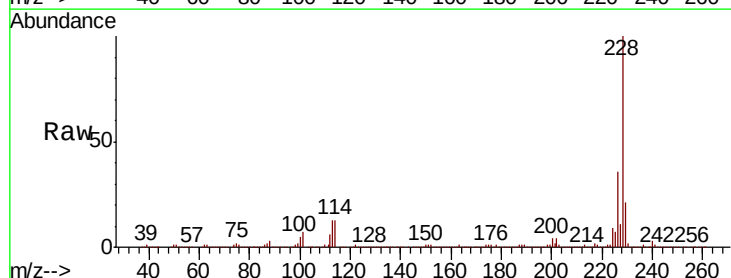
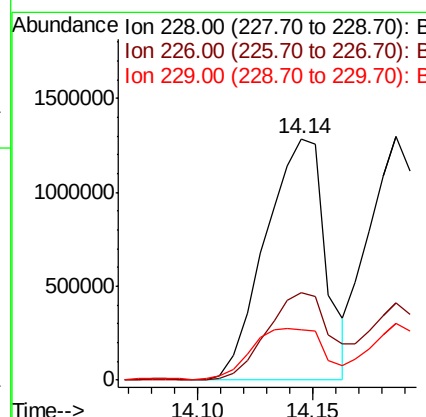
Sohil

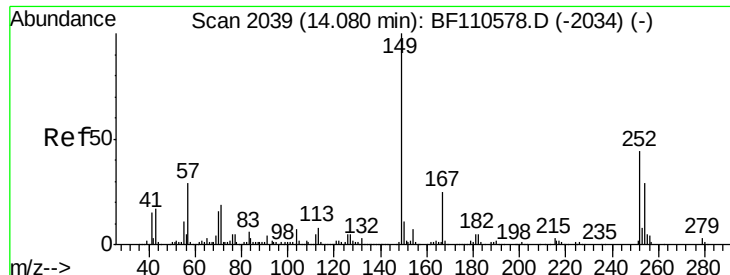
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#81
Benzo(a)anthracene
Concen: 326.539 ng
RT: 14.14 min Scan# 2050
Delta R.T. 0.02 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.3	22.1	33.1#
229	21.1	15.6	23.4





#82
 3,3'-Dichlorobenzidine
 Concen: 11.220 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. 0.01 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

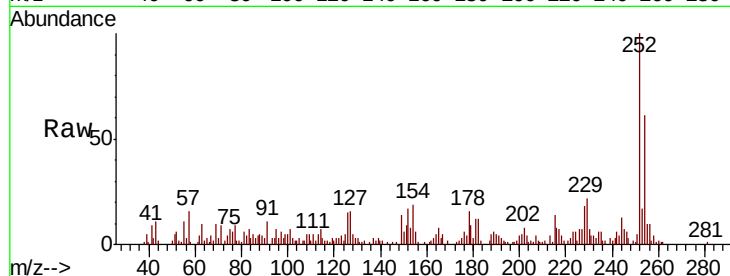
Instrument :
 BNA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	61.5	51.3	76.9
126	14.6	9.4	14.2

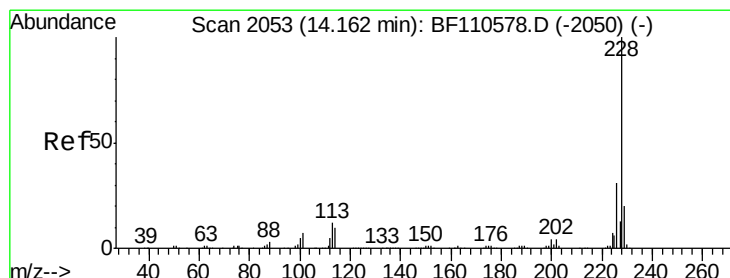
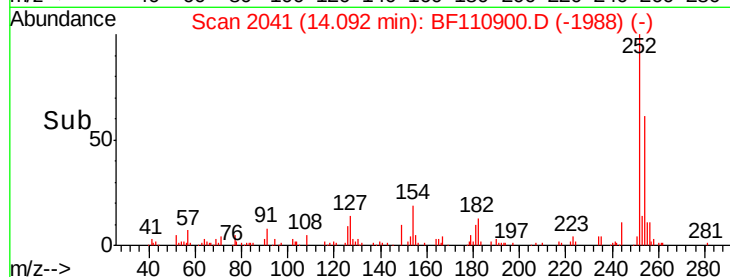
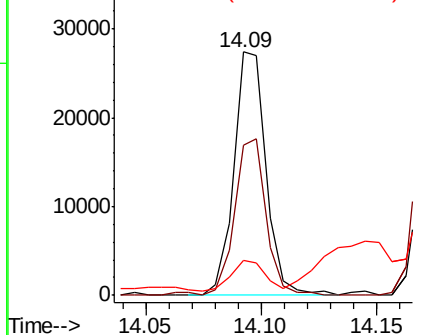
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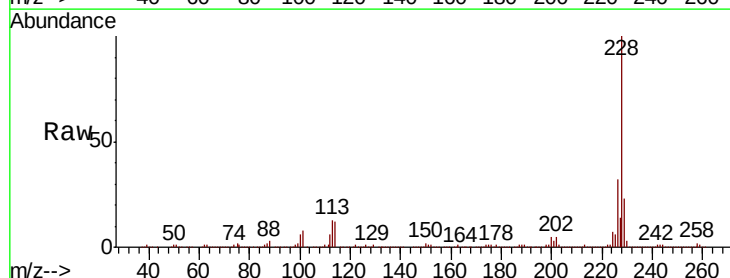


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

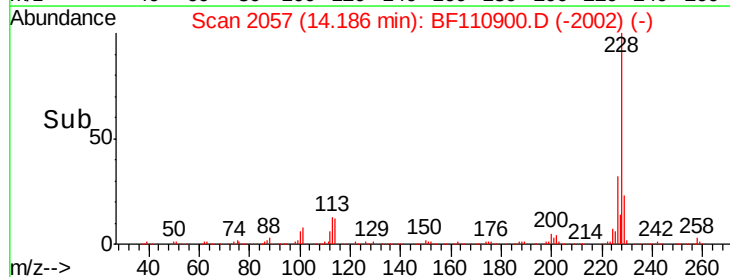
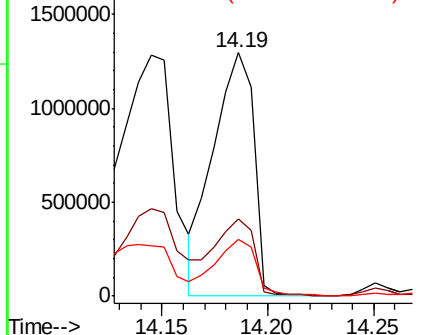


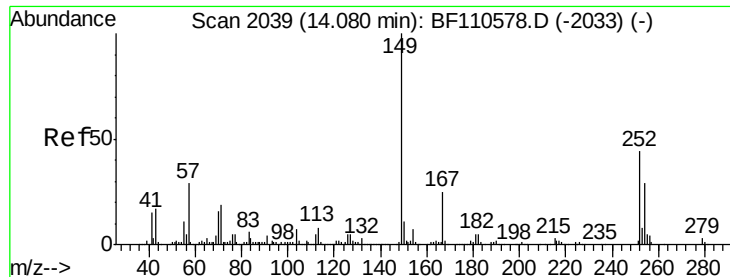
#83
 Chrysene
 Concen: 254.551 ng
 RT: 14.19 min Scan# 2057
 Delta R.T. 0.02 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.7	37.1
229	23.5	15.9	23.9



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 12.201 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.00 min

Lab File: BF110900.D

Acq: 20 Nov 2018 17:55

Instrument :

BNA_F

ClientSampleId :

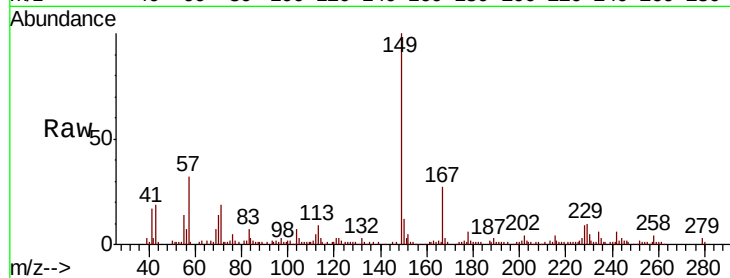
DTW-02(11-13)MSD

Tot Ion:	149	Resp:	59490
Ion Ratio	Lower	Upper	
149	100		
167	26.6	19.8	29.8
279	3.4	2.7	4.1

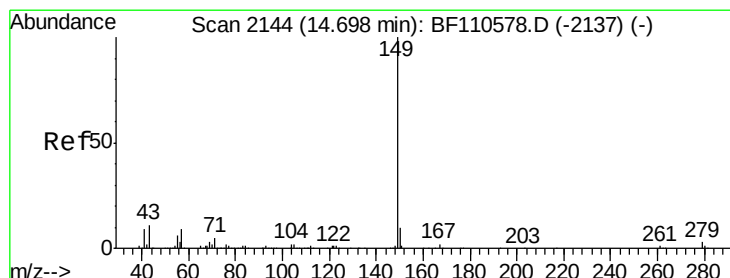
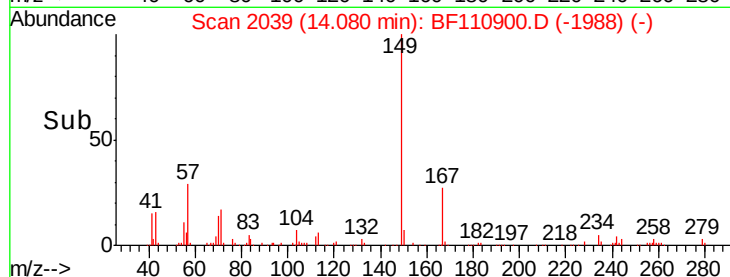
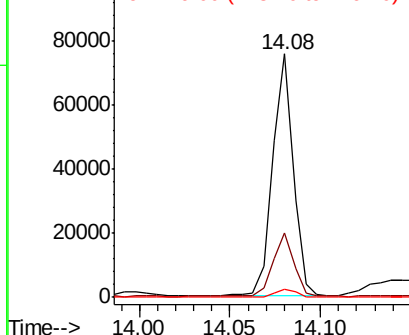
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 14.916 ng

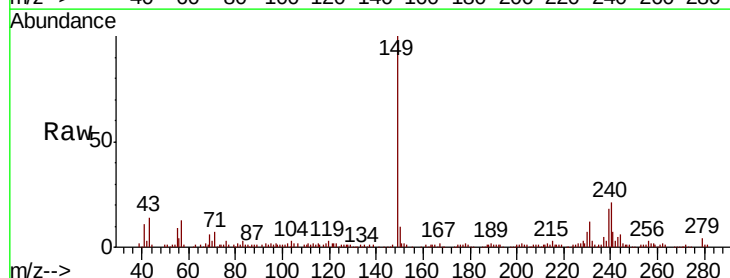
RT: 14.69 min Scan# 2143

Delta R.T. -0.01 min

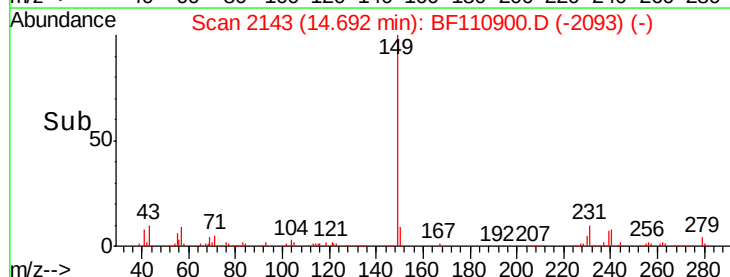
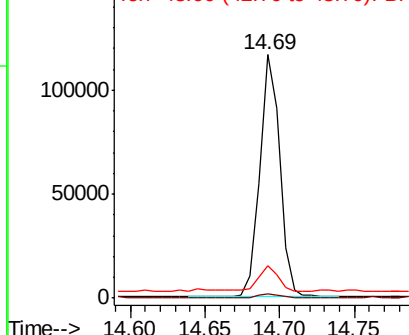
Lab File: BF110900.D

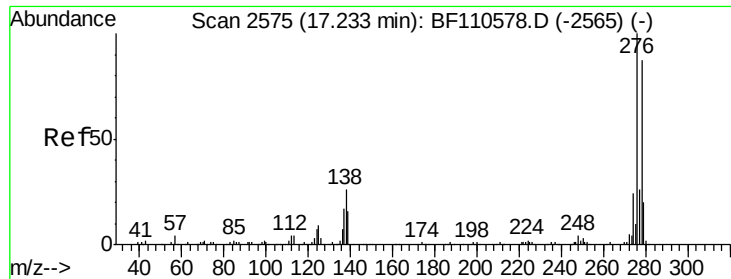
Acq: 20 Nov 2018 17:55

Tgt Ion:	149	Resp:	106950
Ion Ratio	Lower	Upper	
149	100		
167	2.6	1.1	1.7#
43	9.9	7.8	11.8



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





#86
 Indeno(1,2,3-cd)pyrene
 Concen: 134.509 ng
 RT: 17.29 min Scan# 2584
 Delta R.T. 0.05 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

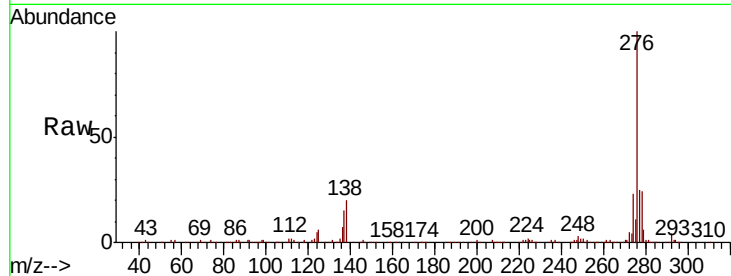
Instrument :
 BNA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.7	18.5	27.7
277	24.6	20.0	30.0

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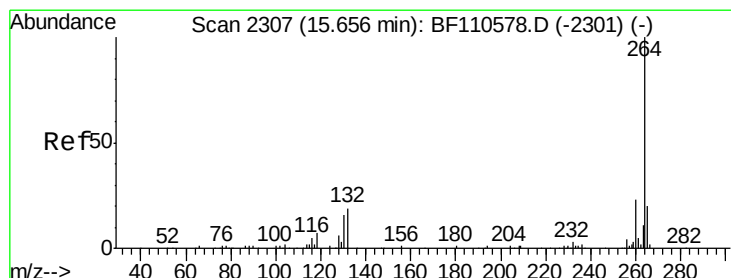
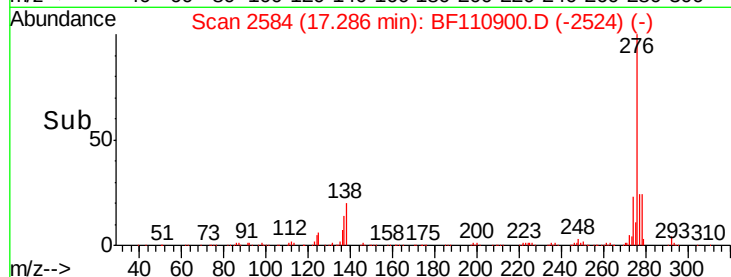
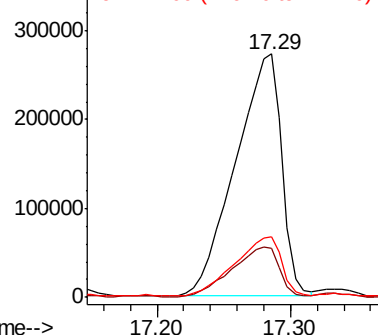


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2312
 Delta R.T. 0.03 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

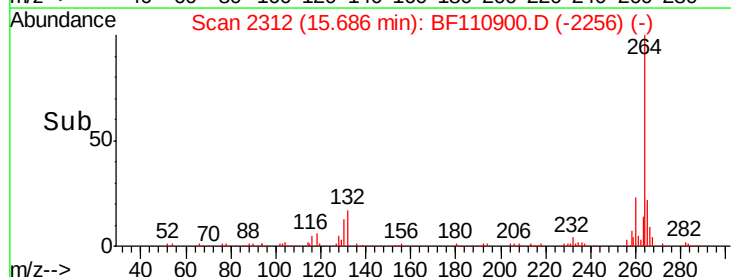
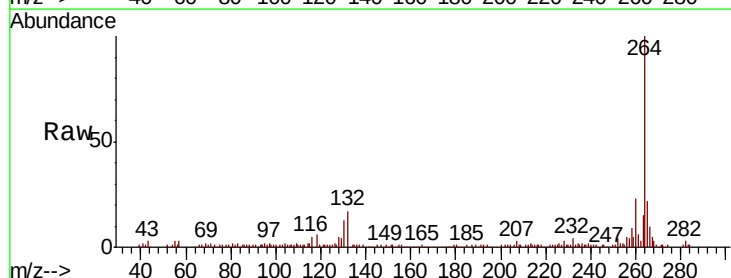
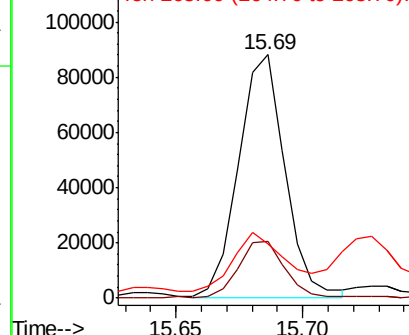
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	22.5	16.7	25.1

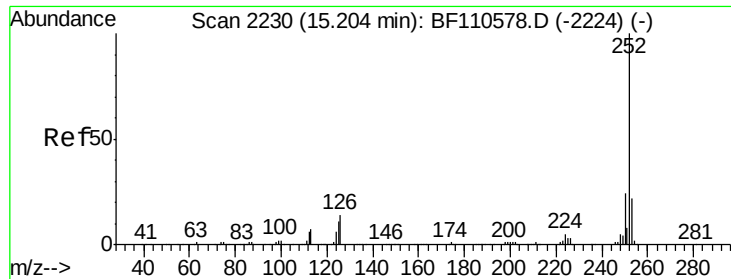
Abundance

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: 297.573 ng m
RT: 15.24 min Scan# 2237
Delta R.T. 0.04 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

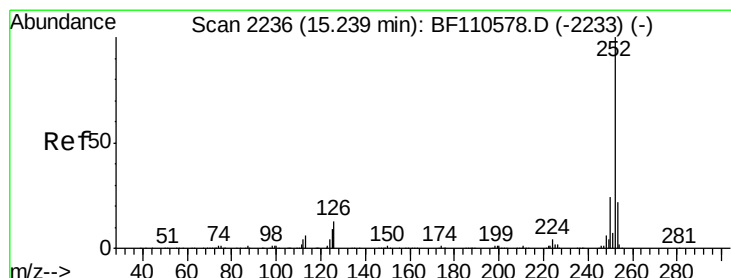
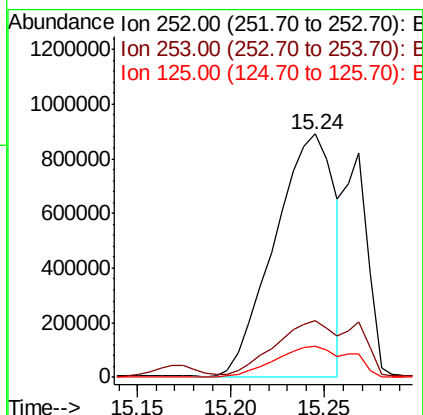
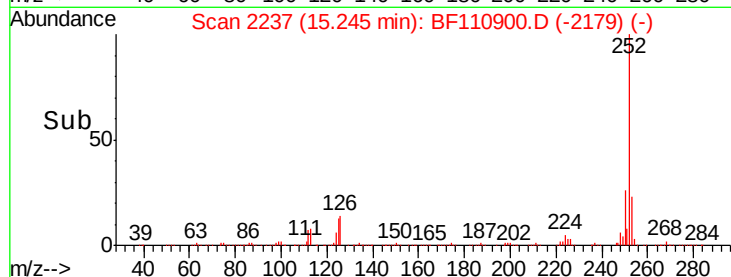
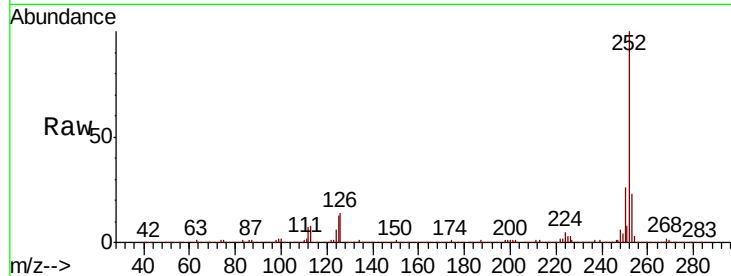
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	12.7	8.2	12.4

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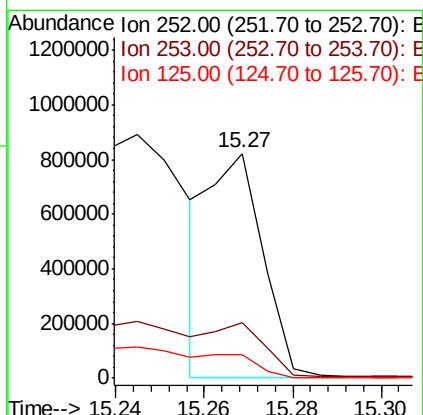
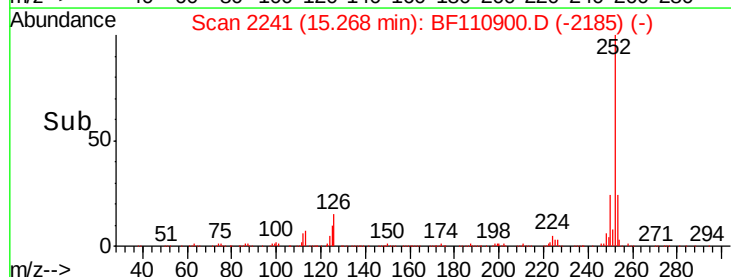
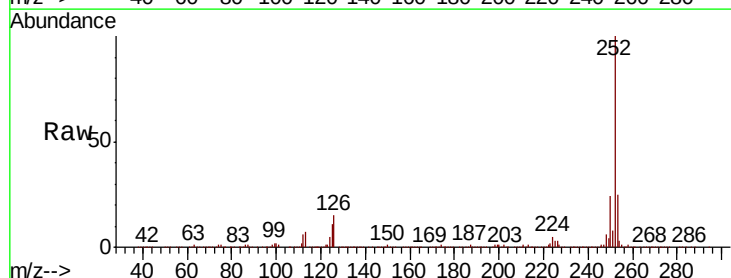
Sohil

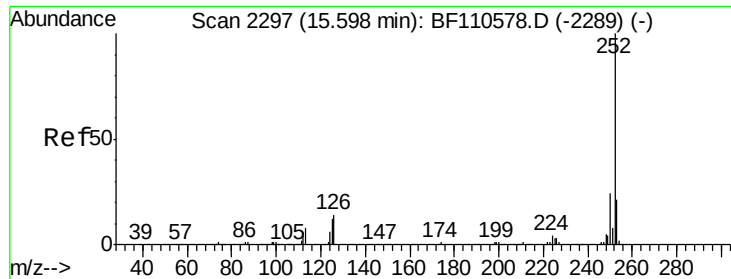
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#89
Benzo(k)fluoranthene
Concen: 104.385 ng m
RT: 15.27 min Scan# 2241
Delta R.T. 0.03 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	10.6	7.4	11.0





#90
Benzo(a)pyrene
Concen: 225.173 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.04 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

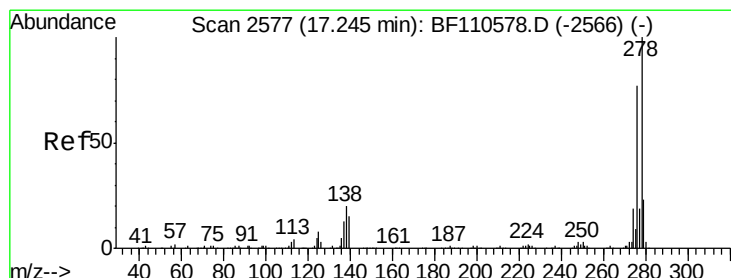
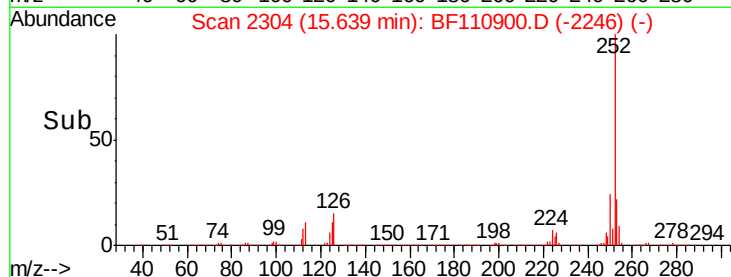
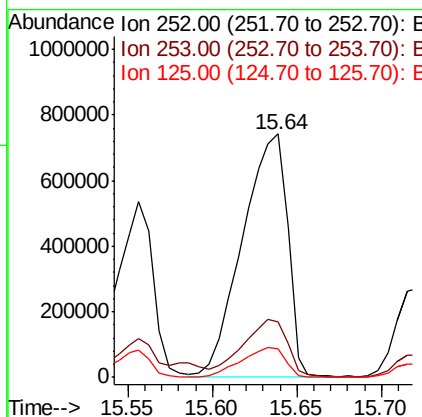
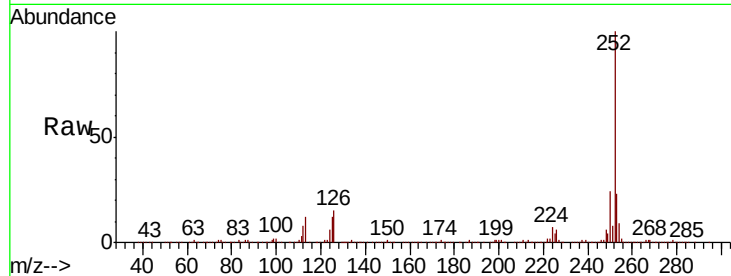
Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	11.5	9.0	13.6

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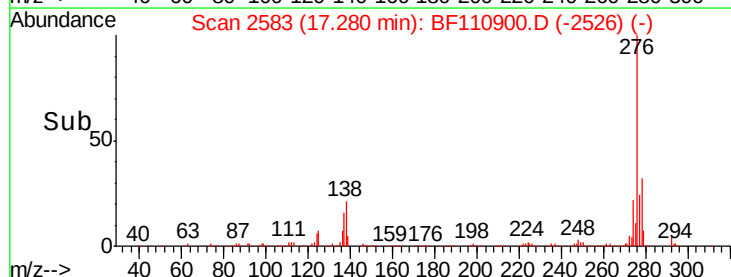
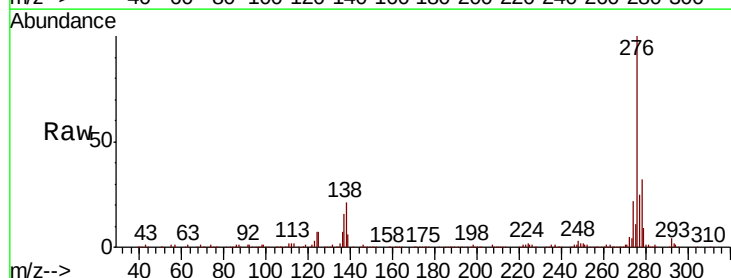
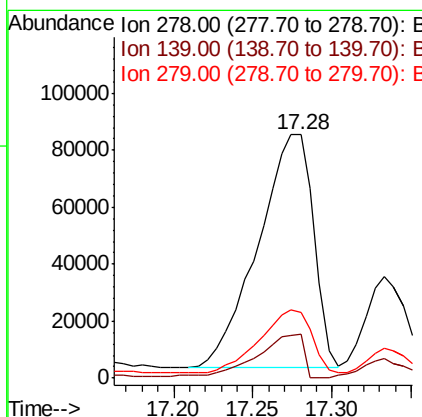
Sohil

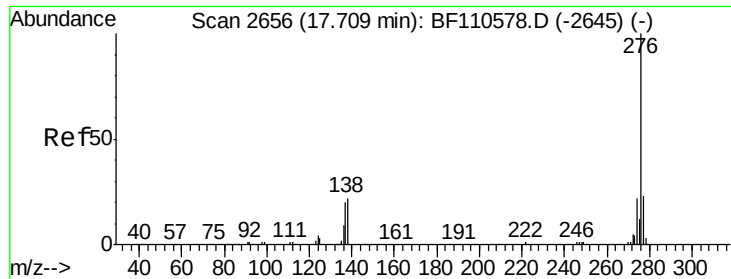
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#91
Dibenzo(a,h)anthracene
Concen: 38.350 ng
RT: 17.28 min Scan# 2583
Delta R.T. 0.04 min
Lab File: BF110900.D
Acq: 20 Nov 2018 17:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.9	12.7	19.1
279	27.2	19.0	28.4





#92
 Benzo(a,h,i)perylene
 Concen: 104.597 ng
 RT: 17.77 min Scan# 2666
 Delta R.T. 0.06 min
 Lab File: BF110900.D
 Acq: 20 Nov 2018 17:55

Instrument :
 BNA_F
 ClientSampleId :
 DTW-02(11-13)MSD

Tot Ion:	276	Resp:	535627
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.8	28.2
138	20.5	16.0	24.0

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