

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112118\
 Data File : BF110939.D
 Acq On : 21 Nov 2018 20:16
 Operator : JU/SJ
 Sample : J5981-04MSD 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 11/23/2018 11:49:21 AM

Quant Time: Nov 23 02:47:28 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	6.95	152	53518	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	197763	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	79607	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	136486	20.00	ng	0.00
76) Chrysene-d12	14.16	240	96329	20.00	ng	0.02
87) Perylene-d12	15.69	264	78710	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	110891	33.66	ng	0.00
7) Phenol-d6	6.57	99	137053	32.53	ng	0.00
23) Nitrobenzene-d5	7.51	82	80219	23.36	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	22381	27.90	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	125642	22.54	ng	-0.01
79) Terphenyl-d14	13.07	244	117324	22.81	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.76	88	10414	6.344	ng	# 87
3) Pyridine	3.60	79	28812m	8.131	ng	
4) n-Nitrosodimethylamine	3.54	42	14275m	9.389	ng	
6) Aniline	6.61	93	20710	3.769	ng	# 75
8) 2-Chlorophenol	6.73	128	36762	9.518	ng	96
9) Benzaldehyde	6.51	77	17384	5.436	ng	97
10) Phenol	6.59	94	66272	13.565	ng	# 66
11) bis(2-Chloroethyl)ether	6.67	93	32006	8.742	ng	97
12) 1,3-Dichlorobenzene	6.88	146	38684	9.154	ng	96
13) 1,4-Dichlorobenzene	6.96	146	39177	9.129	ng	96
14) 1,2-Dichlorobenzene	7.11	146	35779	8.962	ng	97
15) Benzyl Alcohol	7.09	79	29018	8.801	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.21	45	51986	9.041	ng	86
17) 2-Methylphenol	7.19	107	31650	10.296	ng	# 82
18) Hexachloroethane	7.45	117	9120	5.756	ng	91
19) n-Nitroso-di-n-propylamine	7.34	70	24997	9.294	ng	97
20) 3+4-Methylphenols	7.36	107	49734	12.603	ng	# 76
22) Acetophenone	7.35	105	50635	10.986	ng	# 87
24) Nitrobenzene	7.53	77	35889	10.200	ng	91
25) Isophorone	7.76	82	62573	11.117	ng	99
26) 2-Nitrophenol	7.85	139	12151	6.923	ng	95
27) 2,4-Dimethylphenol	7.87	122	32575	12.186	ng	96
28) bis(2-Chloroethoxy)methane	7.96	93	40528	10.635	ng	98
29) 2,4-Dichlorophenol	8.10	162	26315	9.567	ng	96
30) 1,2,4-Trichlorobenzene	8.17	180	29249	9.432	ng	95
31) Naphthalene	8.25	128	1025754	110.487	ng	100
32) Benzoic acid	8.02	122	4886	2.583	ng	# 26
33) 4-Chloroaniline	8.31	127	20187	4.800	ng	95
34) Hexachlorobutadiene	8.35	225	16971	9.581	ng	96
35) Caprolactam	8.65	113	7385	8.036	ng	# 84
36) 4-Chloro-3-methylphenol	8.79	107	27758	9.357	ng	93
37) 2-Methylnaphthalene	8.94	142	224151	36.830	ng	99
38) 1-Methylnaphthalene	9.04	142	205332	35.081	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.11	216	24946	9.900	ng	99

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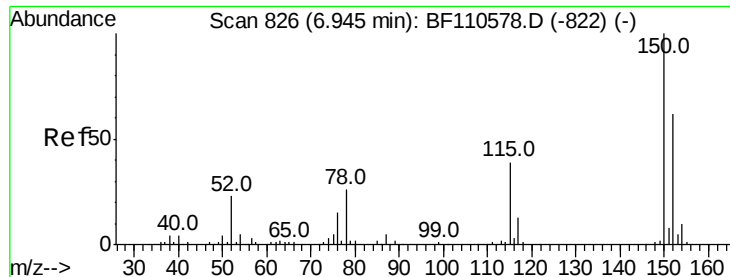
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	9.23	196	15609	9.857	nq	91
44) 2,4,5-Trichlorophenol	9.28	196	15287	9.050	nq	92
46) 1,1'-Biphenyl	9.40	154	171900	23.148	nq	99
47) 2-Chloronaphthalene	9.43	162	51223	9.574	nq	98
48) 2-Nitroaniline	9.54	65	19610	11.894	nq	97
49) Acenaphthylene	9.85	152	874424	113.490	nq	98
50) Dimethylphthalate	9.69	163	81497	13.720	nq	99
51) 2,6-Dinitrotoluene	9.77	165	10047	7.689	nq #	88
52) Acenaphthene	10.02	154	230277	47.292	nq	99
53) 3-Nitroaniline	9.95	138	11744	7.758	nq	97
55) Dibenzofuran	10.20	168	728795	102.302	nq	98
56) 4-Nitrophenol	10.14	139	13633	13.574	nq	91
57) 2,4-Dinitrotoluene	10.20	165	13383	7.877	nq #	1
58) Fluorene	10.55	166	1009427	184.473	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.32	232	11314	8.515	nq #	64
60) Diethylphthalate	10.39	149	63363	10.782	nq	98
61) 4-Chlorophenyl-phenylether	10.52	204	25614	9.041	nq	95
62) 4-Nitroaniline	10.57	138	14938	9.799	nq	98
63) Azobenzene	10.68	77	51468	8.977	nq #	77
66) n-Nitrosodiphenylamine	10.64	169	48515	10.546	nq	93
67) 4-Bromophenyl-phenylether	11.02	248	14109	9.353	nq	93
68) Hexachlorobenzene	11.10	284	14240	8.954	nq #	88
69) Atrazine	11.17	200	14643	10.410	nq	97
70) Pentachlorophenol	11.31	266	9242	10.891	nq	98
71) Phenanthrene	11.54	178	4122331	563.759	nq	97
72) Anthracene	11.59	178	1980233	268.461	nq	99
73) Carbazole	11.72	167	460526	65.010	nq	99
74) Di-n-butylphthalate	12.02	149	84695	10.195	nq #	87
75) Fluoranthene	12.75	202	4634293	632.151	nq	98
77) Benzidine	12.84	184	28293	10.680	nq	96
78) Pyrene	12.97	202	3620514	488.130	nq	98
80) Butylbenzylphthalate	13.53	149	40693	12.747	nq	98
81) Benzo(a)anthracene	14.15	228	1962307	340.815	nq #	90
82) 3,3'-Dichlorobenzidine	14.10	252	17753	9.204	nq #	96
83) Chrysene	14.19	228	1329363m	242.347	nq	
84) Bis(2-ethylhexyl)phthalate	14.08	149	58143	14.682	nq	98
85) Di-n-octyl phthalate	14.70	149	93157	15.996	nq #	99
86) Indeno(1,2,3-cd)pyrene	17.30	276	582739	148.044	nq	97
88) Benzo(b)fluoranthene	15.24	252	1376047m	292.235	nq	
89) Benzo(k)fluoranthene	15.27	252	548358m	117.857	nq	
90) Benzo(a)pyrene	15.64	252	999939	233.729	nq	99
91) Dibenzo(a,h)anthracene	17.29	278	180347m	49.814	nq	
92) Benzo(g,h,i)perylene	17.79	276	487910	135.828	nq	98

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



#1

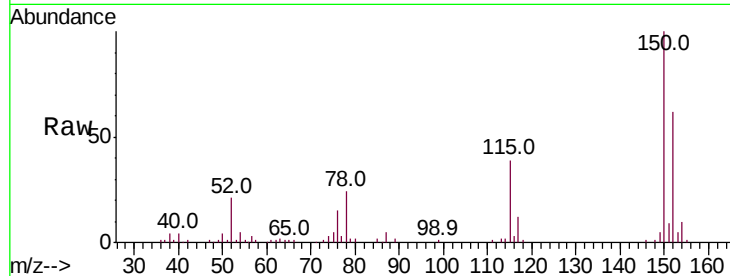
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	122.7	184.1
115	63.1	49.1	73.7

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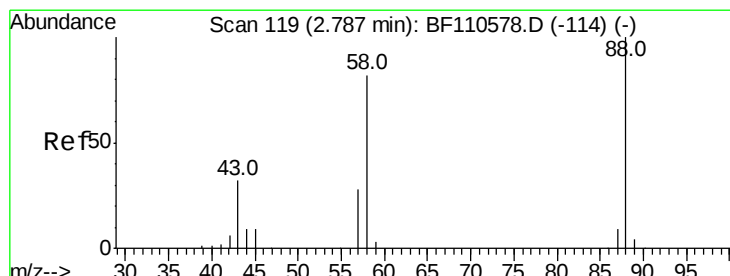
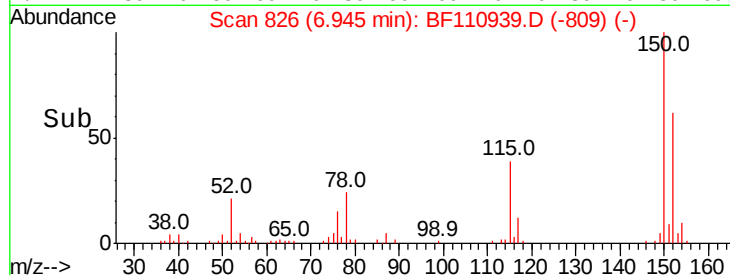
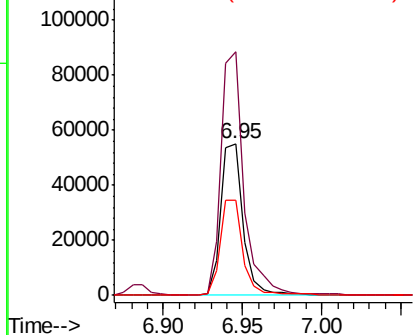


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 6.344 ng
RT: 2.76 min Scan# 114
Delta R.T. -0.03 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

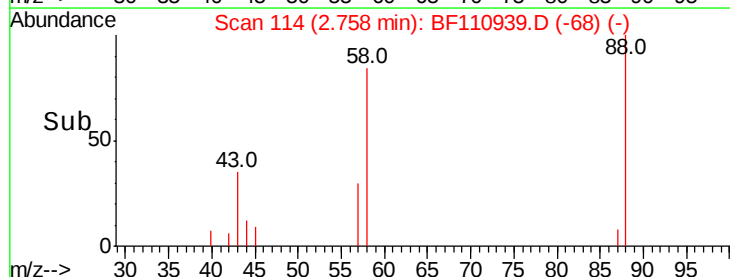
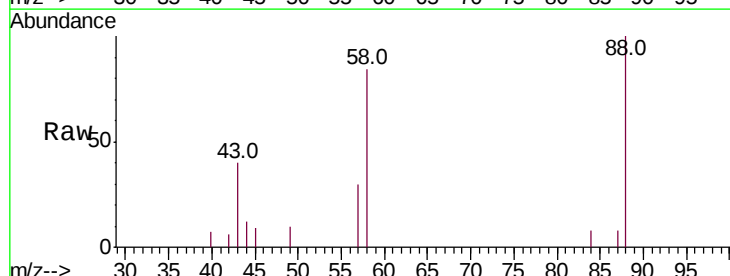
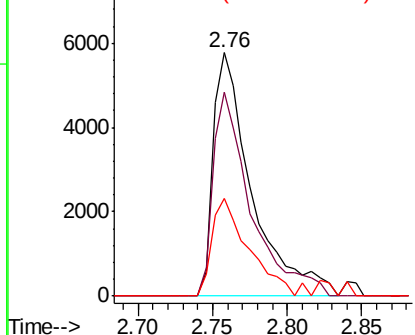
Tgt Ion	Ratio	Lower	Upper
88	100		
58	82.1	57.1	85.7
43	37.8	24.1	36.1#

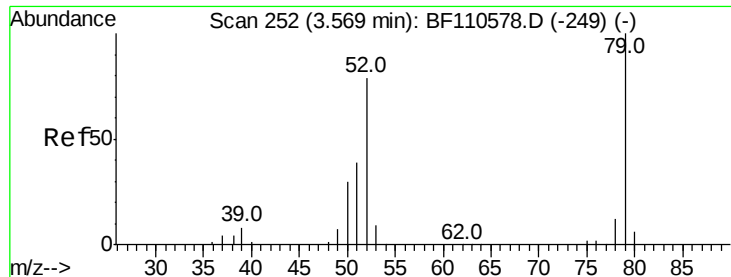
Abundance

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





#3

Pvridine

Concen: 8.131 ng m

RT: 3.60 min Scan# 258

Delta R.T. 0.04 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Instrument :

BNA_F

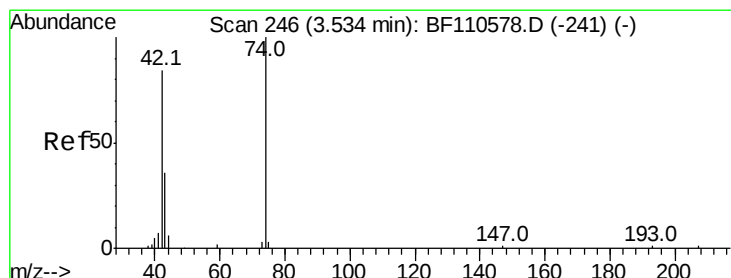
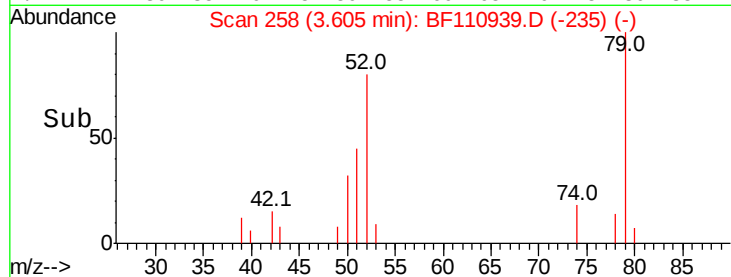
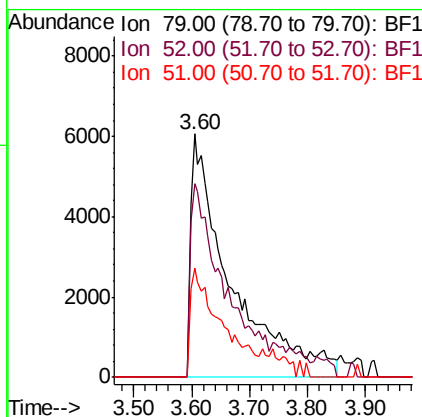
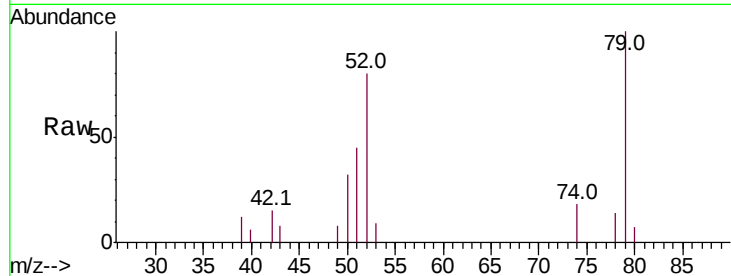
ClientSampleId :

DTW-02(11-13)MSD

Tot Ion:	79	Resp:	28812
Ion Ratio	Lower	Upper	
79	100		
52	79.7	53.1	79.7#
51	44.7	27.4	41.2#

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#4

n-Nitrosodimethylamine

Concen: 9.389 ng m

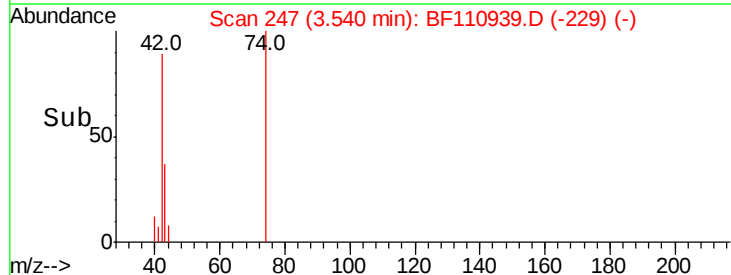
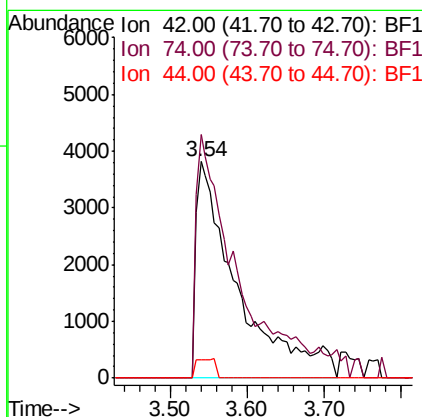
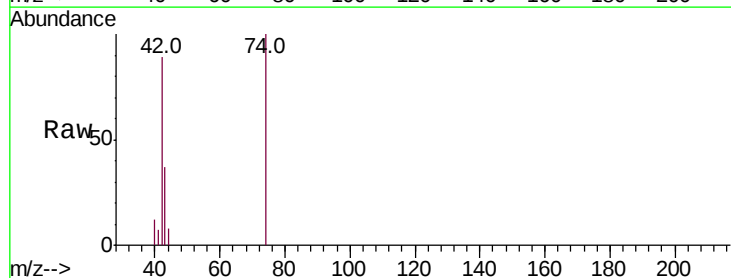
RT: 3.54 min Scan# 247

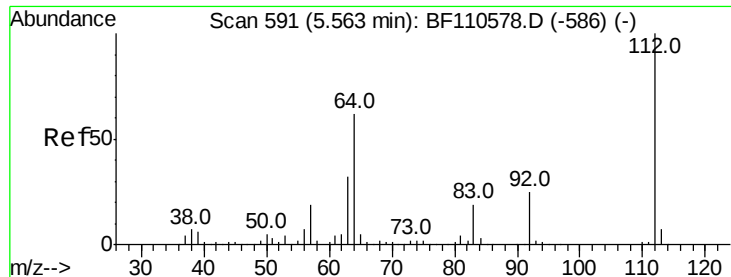
Delta R.T. 0.01 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Tgt Ion:	42	Resp:	14275
Ion Ratio	Lower	Upper	
42	100		
74	112.4	105.5	158.3
44	8.4	4.9	7.3#





#5

2-Fluorophenol

Concen: 33.656 ng

RT: 5.56 min Scan# 591

Delta R.T. 0.00 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Instrument :

BNA_F

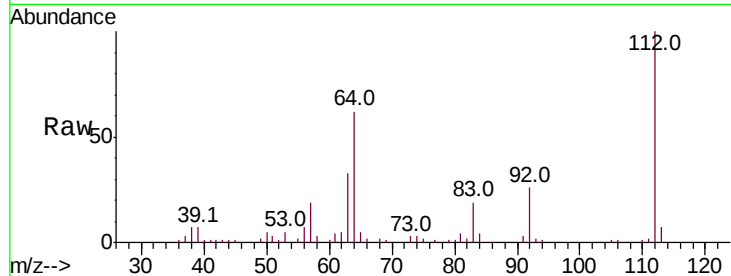
ClientSampleId :

DTW-02(11-13)MSD

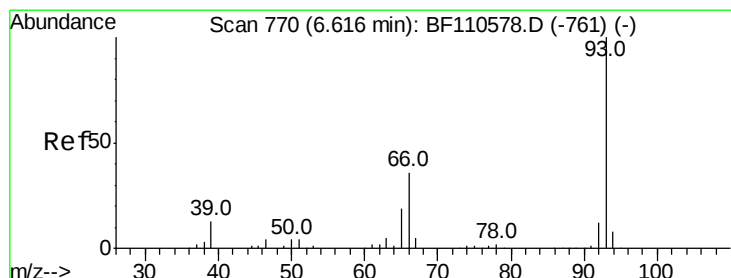
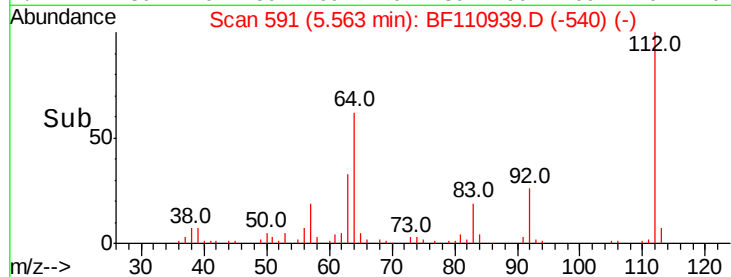
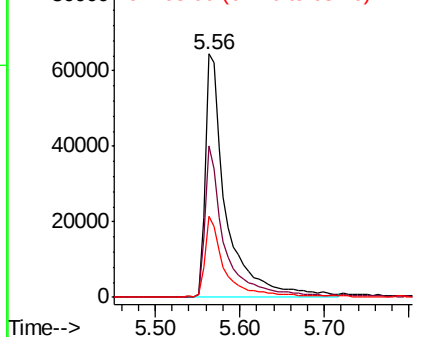
Tot Ion:	112	Resp:	110891
Ion Ratio	Lower	Upper	
112	100		
64	62.3	44.1	66.1
63	33.1	23.7	35.5

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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: 3.769 ng

RT: 6.61 min Scan# 769

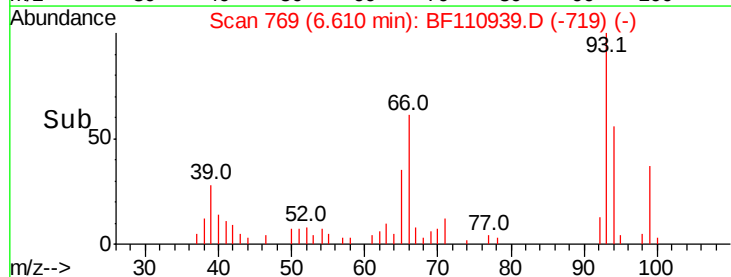
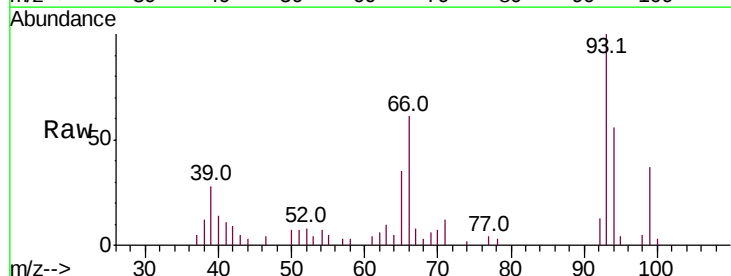
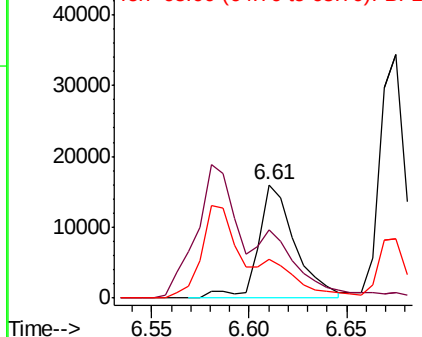
Delta R.T. -0.01 min

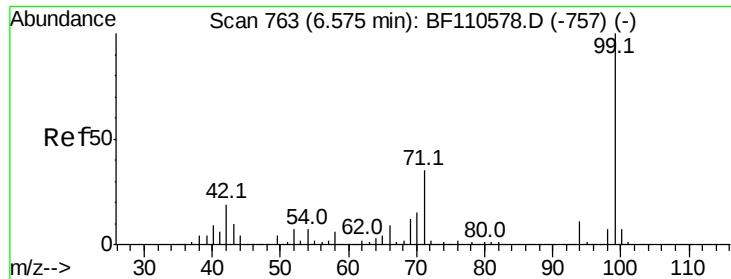
Lab File: BF110939.D

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Tgt Ion:	93	Resp:	20710
Ion Ratio	Lower	Upper	
93	100		
66	60.5	67.4	101.0#
65	34.8	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: 32.529 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Instrument :

BNA_F

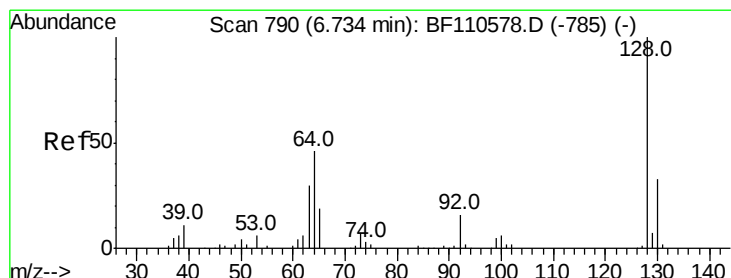
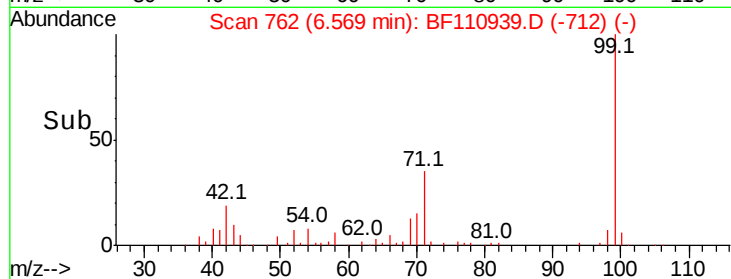
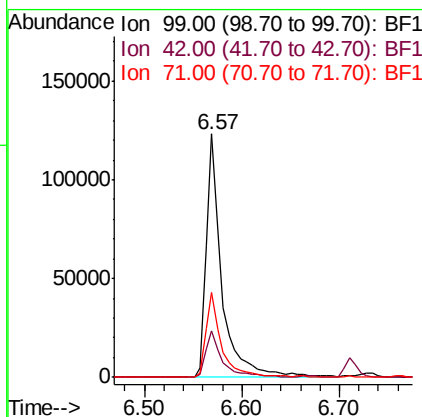
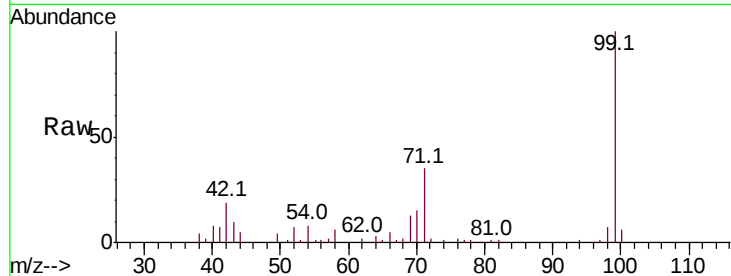
ClientSampleId :

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Tot Ion:	99	Resp:	137053
Ion Ratio	Lower	Upper	
99	100		
42	19.1	15.8	23.6
71	35.1	28.0	42.0

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#8

2-Chlorophenol

Concen: 9.518 ng

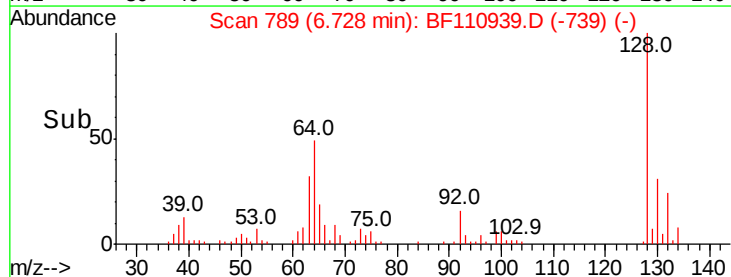
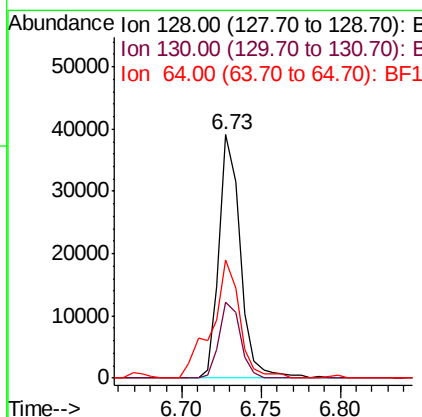
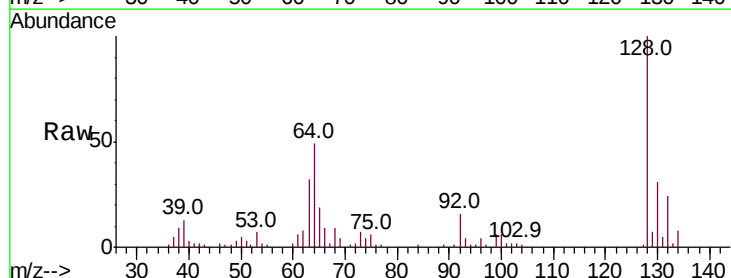
RT: 6.73 min Scan# 789

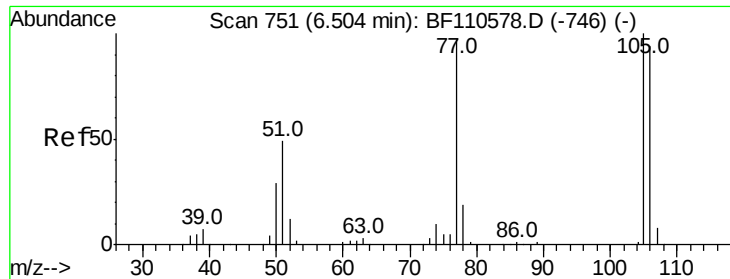
Delta R.T. -0.01 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Tgt Ion:	128	Resp:	36762
Ion Ratio	Lower	Upper	
128	100		
130	31.2	13.1	53.1
64	48.5	26.0	66.0





#9

Benzaldehyde

Concen: 5.436 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Instrument :

BNA_F

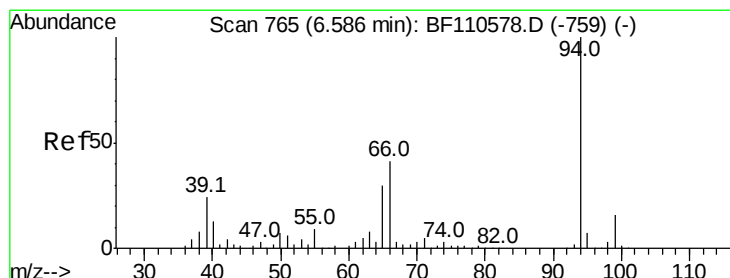
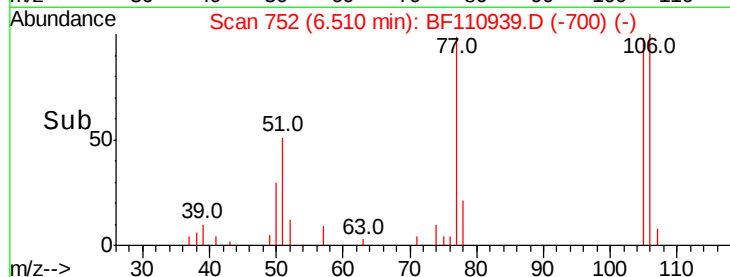
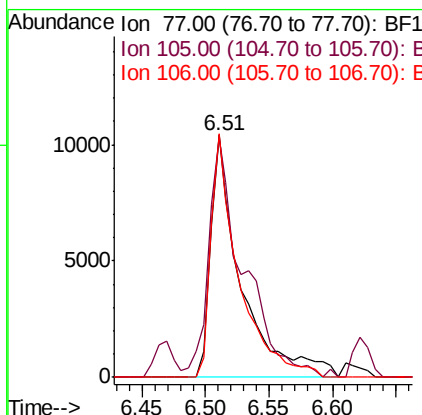
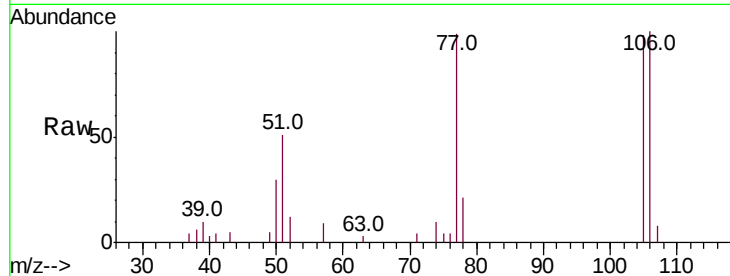
ClientSampleId :

DTW-02(11-13)MSD

Tot Ion:	77	Resp:	17384
Ion	Ratio	Lower	Upper
77	100		
105	99.0	78.6	118.6
106	100.7	74.8	114.8

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#10

Phenol

Concen: 13.565 ng

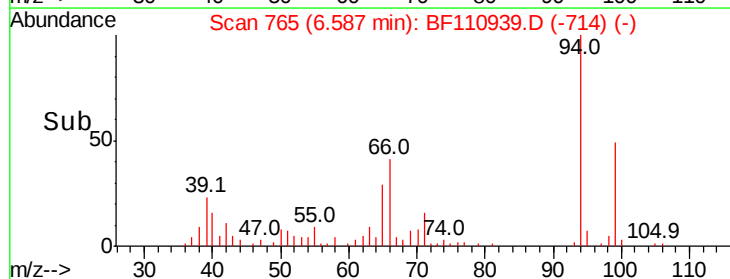
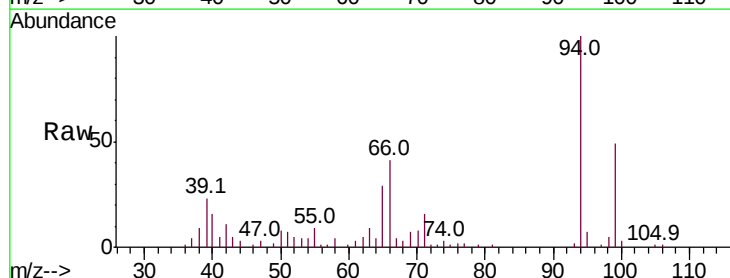
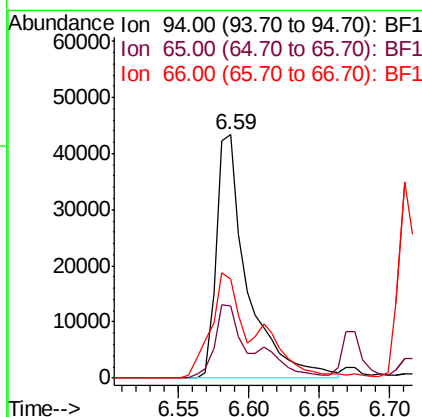
RT: 6.59 min Scan# 765

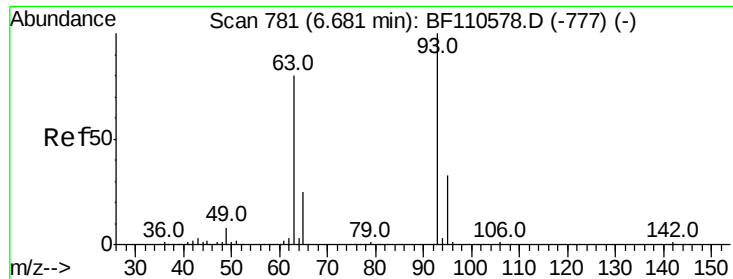
Delta R.T. 0.00 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Tgt Ion:	94	Resp:	66272
Ion	Ratio	Lower	Upper
94	100		
65	29.4	25.3	65.3
66	40.5	54.5	94.5#





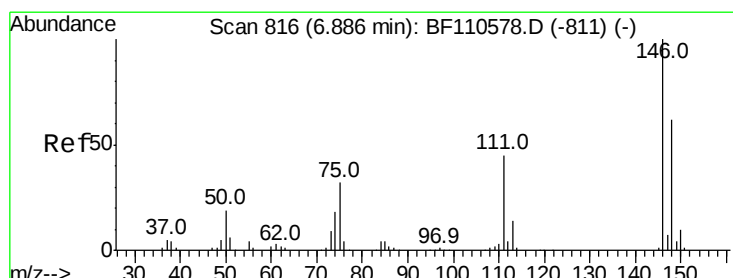
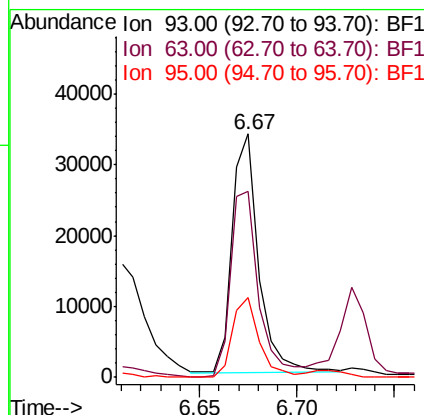
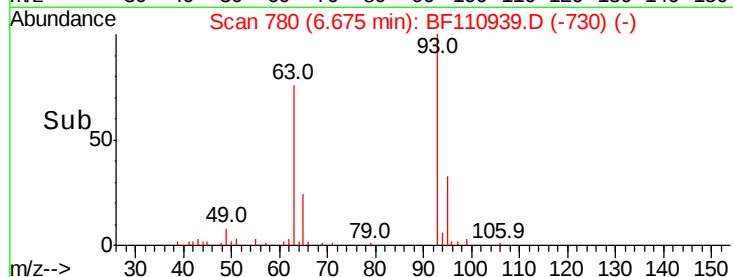
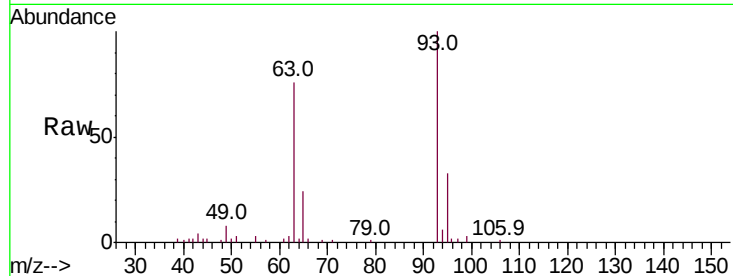
#11
bis(2-Chloroethyl)ether
Concen: 8.742 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion:	93	Resp:	32006
Ion Ratio	Lower	Upper	
93	100		
63	76.4	53.4	93.4
95	33.0	12.1	52.1

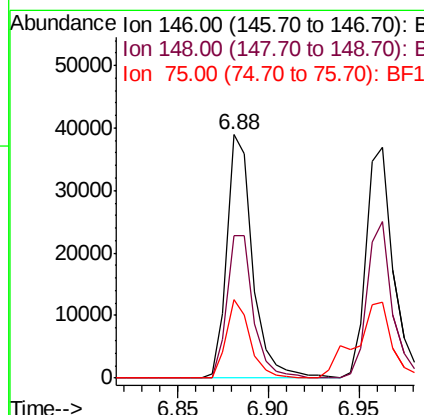
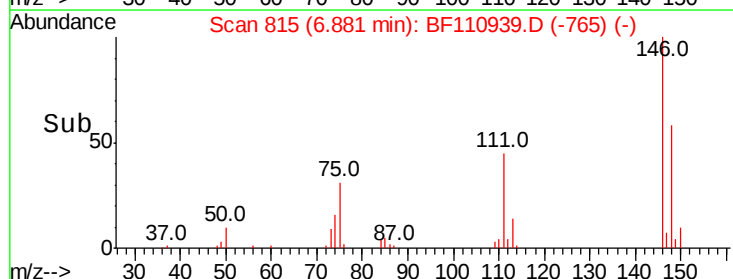
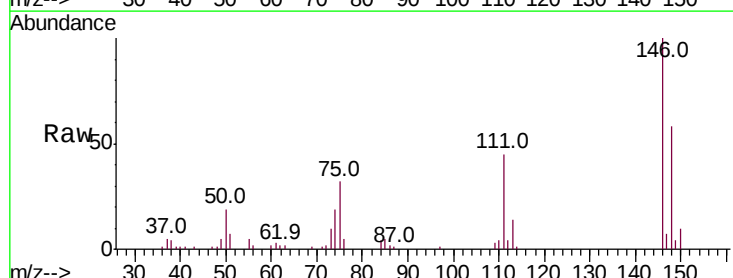
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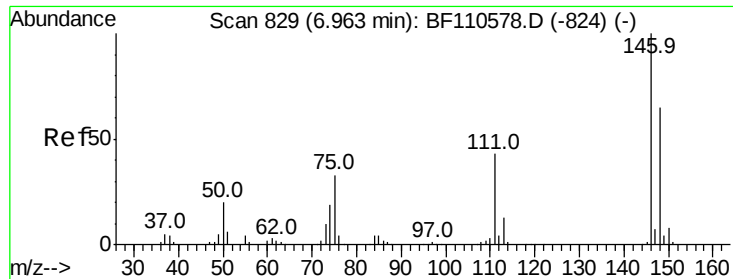
mohammad
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#12
1,3-Dichlorobenzene
Concen: 9.154 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

Tgt Ion:	146	Resp:	38684
Ion Ratio	Lower	Upper	
146	100		
148	58.4	50.4	75.6
75	32.4	25.8	38.6





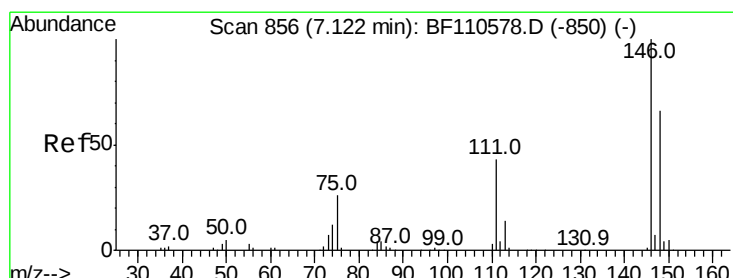
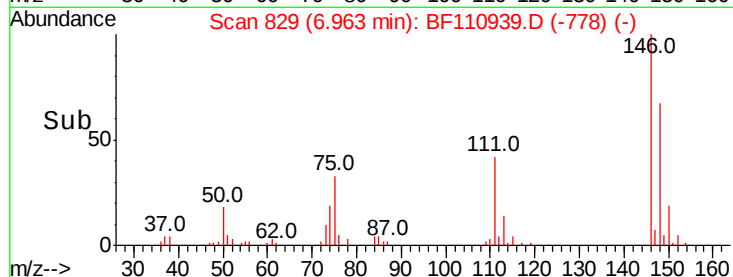
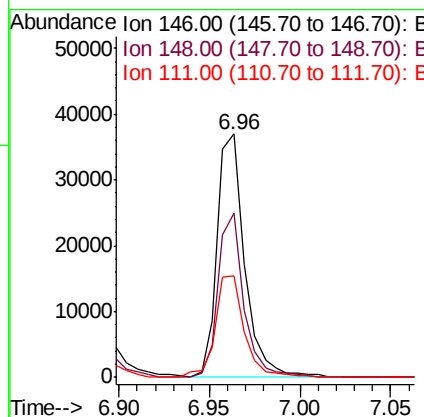
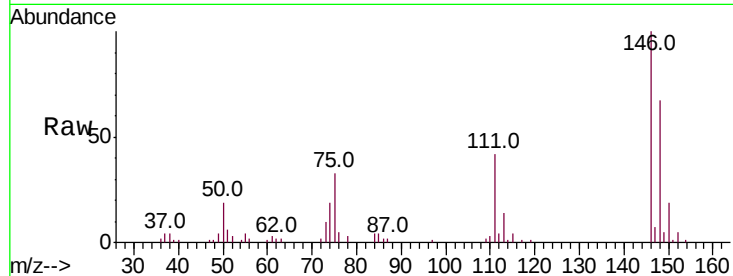
#13
1,4-Dichlorobenzene
Concen: 9.129 ng
RT: 6.96 min Scan# 829
Delta R.T. 0.00 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	67.4	50.3	75.5
111	42.0	32.7	49.1

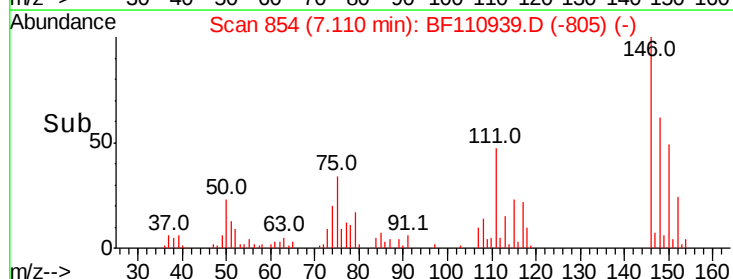
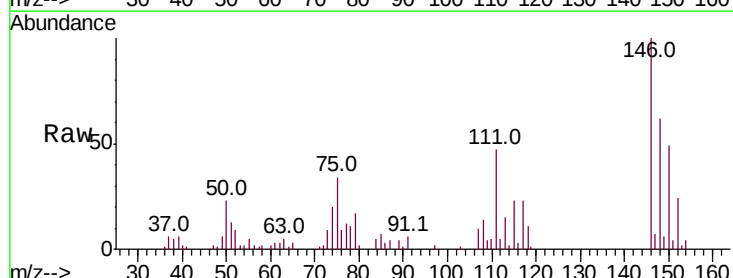
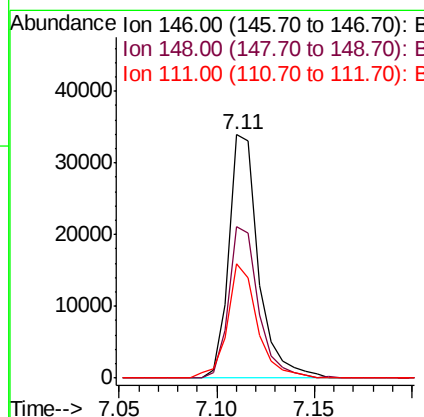
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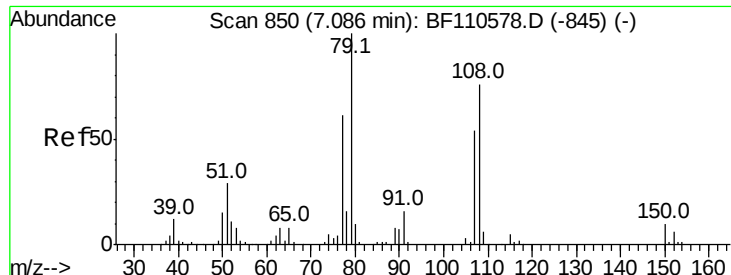
mohammad
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#14
1,2-Dichlorobenzene
Concen: 8.962 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.2	51.1	76.7
111	47.1	35.8	53.6





#15

Benzyl Alcohol

Concen: 8.801 ng

RT: 7.09 min Scan# 851

Delta R.T. 0.01 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Instrument :

BNA_F

ClientSampleId :

DTW-02(11-13)MSD

Tot Ion: 79 Resp: 29018

Ion Ratio Lower Upper

79 100

108 74.0 56.3 84.5

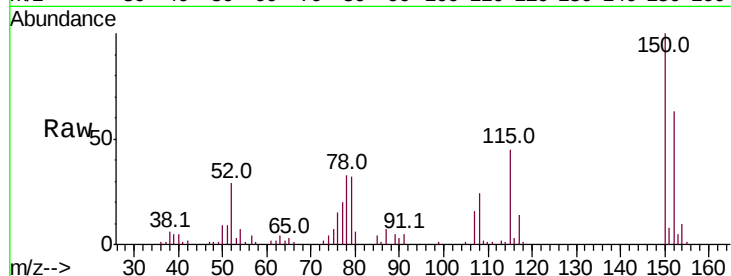
77 64.1 52.9 79.3

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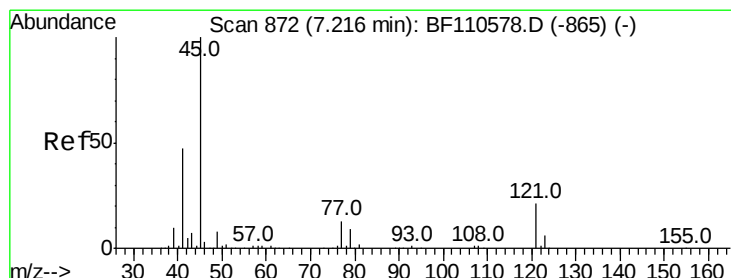
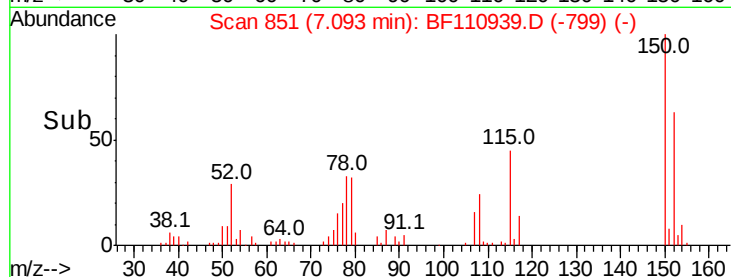
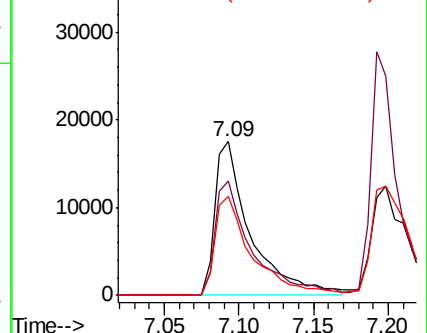
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Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 9.041 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

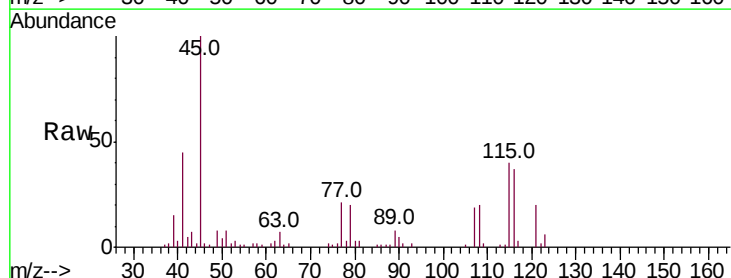
Tgt Ion: 45 Resp: 51986

Ion Ratio Lower Upper

45 100

77 21.4 10.0 50.0

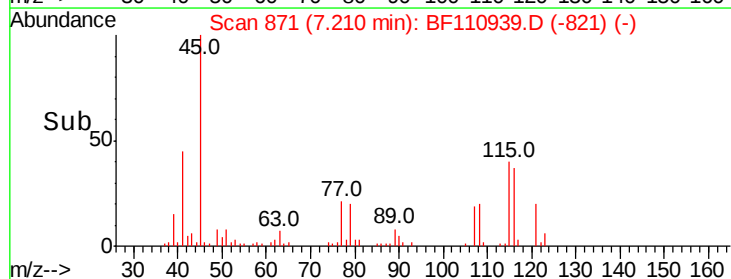
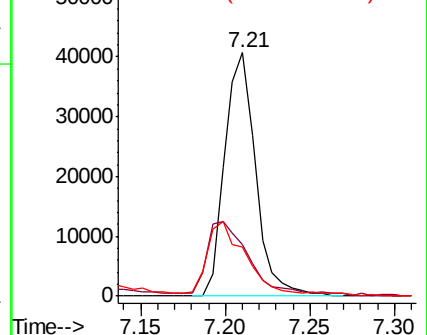
79 20.1 6.1 46.1

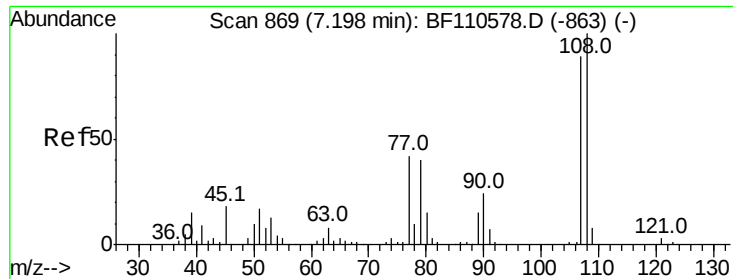


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 10.296 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.01 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Instrument :

BNA_F

ClientSampleId :

DTW-02(11-13)MSD

Tot Ion:107 Resp: 31650

Ion Ratio Lower Upper

107 100

108 112.0 92.6 138.8

77 48.7 59.4 89.2#

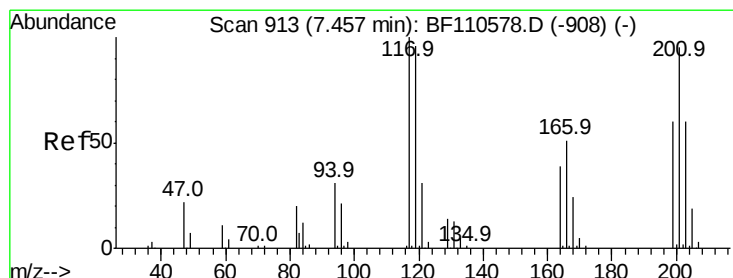
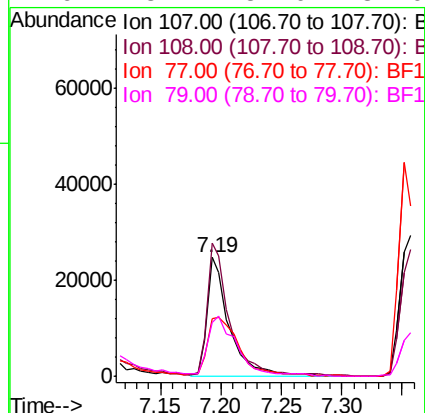
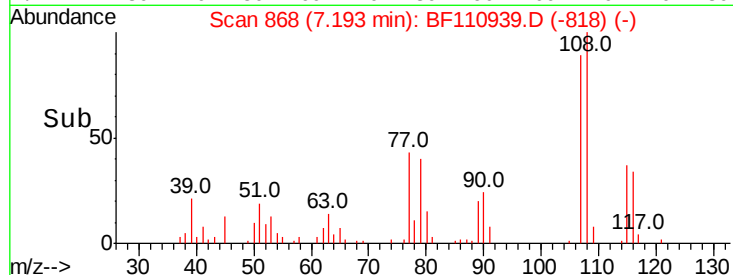
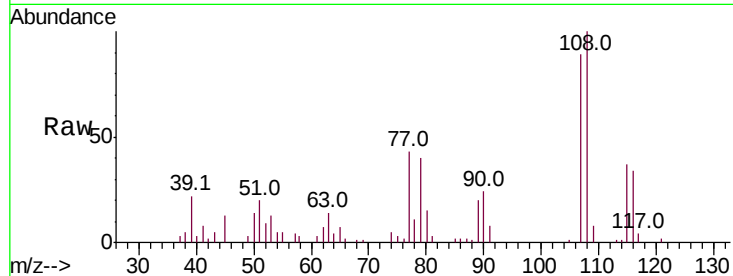
79 45.2 54.0 81.0#

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#18

Hexachloroethane

Concen: 5.756 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

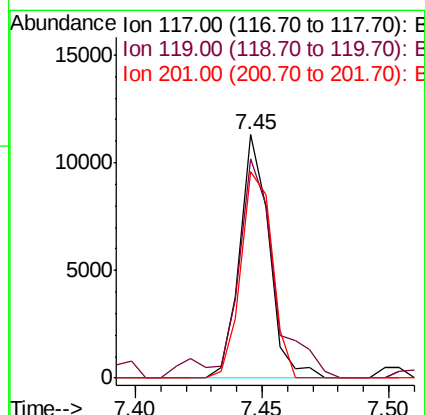
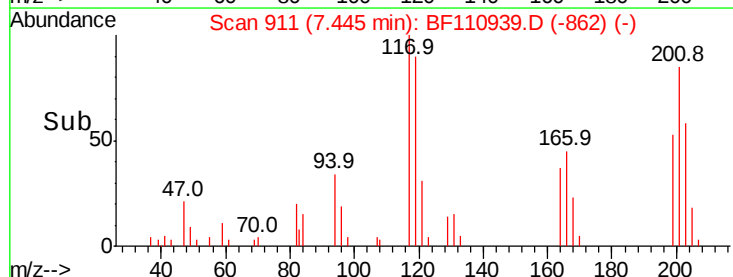
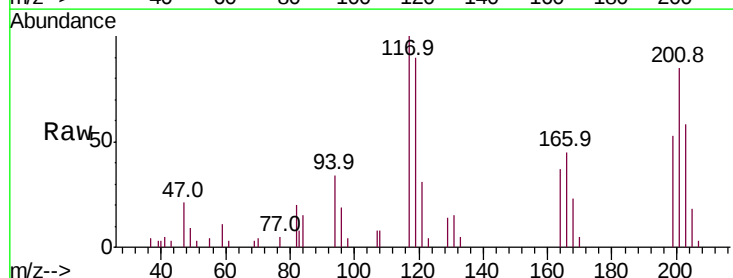
Tgt Ion:117 Resp: 9120

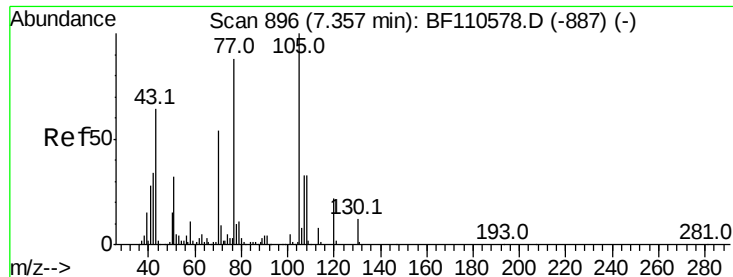
Ion Ratio Lower Upper

117 100

119 90.2 75.0 112.6

201 85.0 79.2 118.8





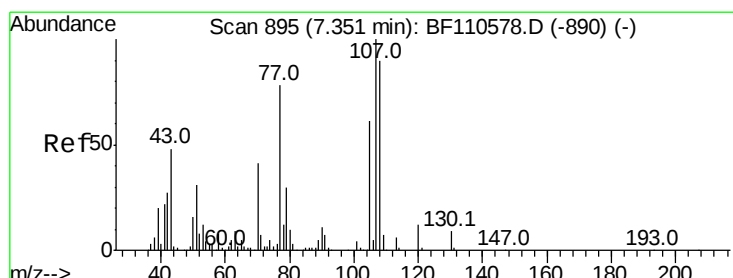
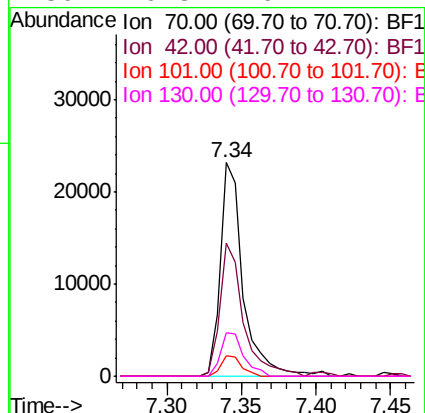
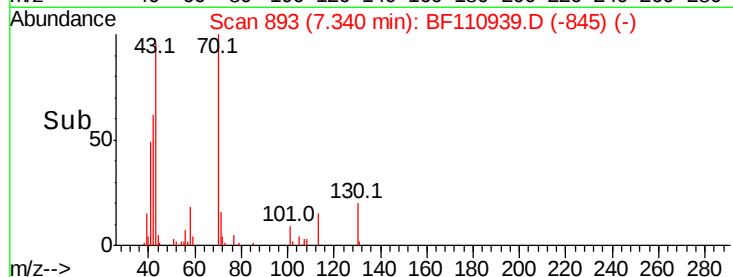
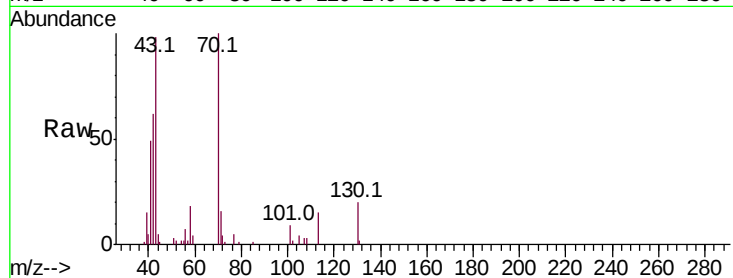
#19
n-Nitroso-di-n-propylamine
Concen: 9.294 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.02 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
70	100		
42	62.1	47.4	71.2
101	9.4	7.3	10.9
130	20.3	16.2	24.2

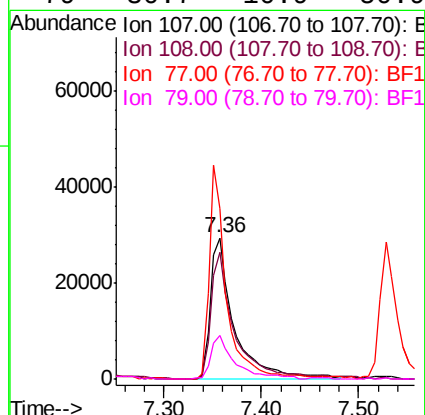
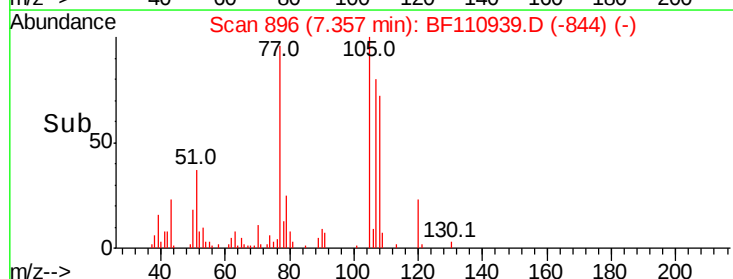
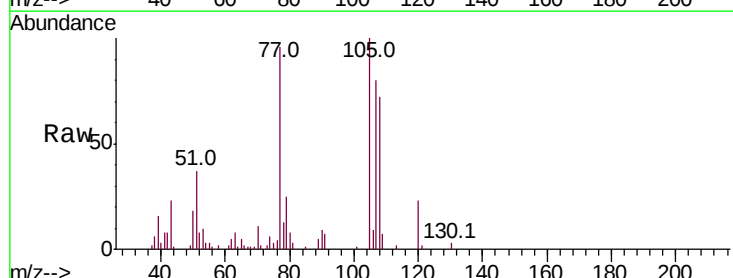
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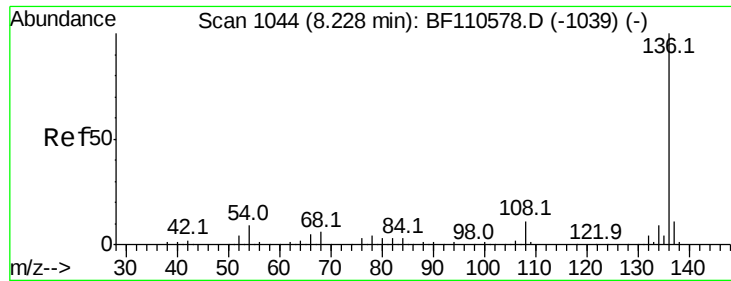
mohammad
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#20
3+4-Methylphenols
Concen: 12.603 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.3	71.4	111.4
77	120.2	47.3	87.3#
79	30.7	10.9	50.9





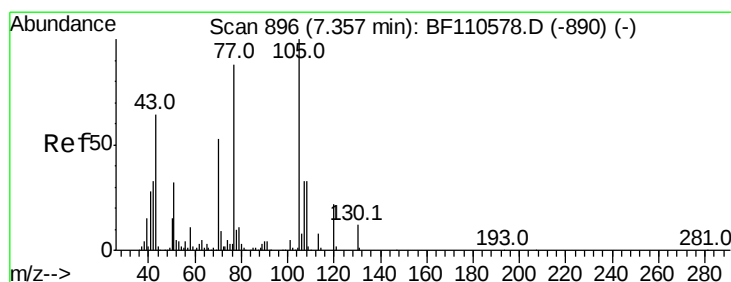
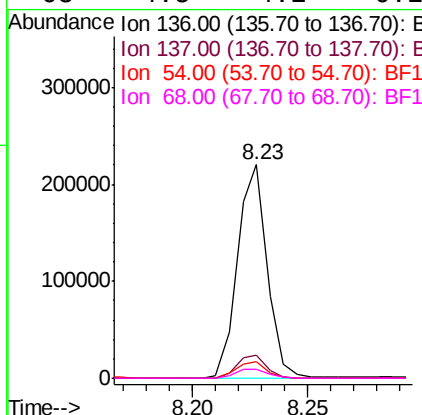
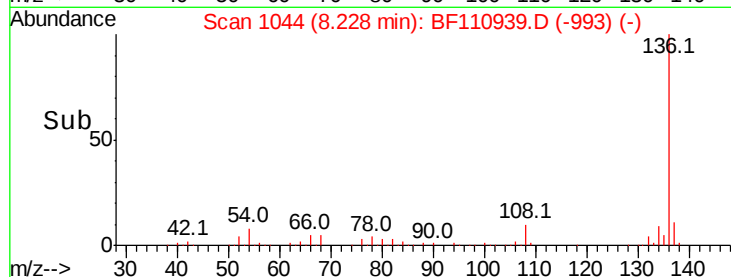
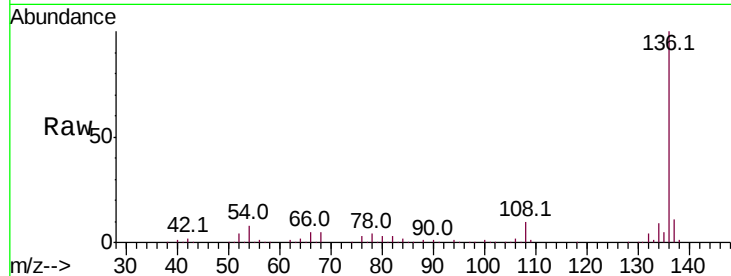
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	197763		
137	10.9		8.8	13.2
54	7.5		5.4	8.2
68	4.5		4.2	6.2

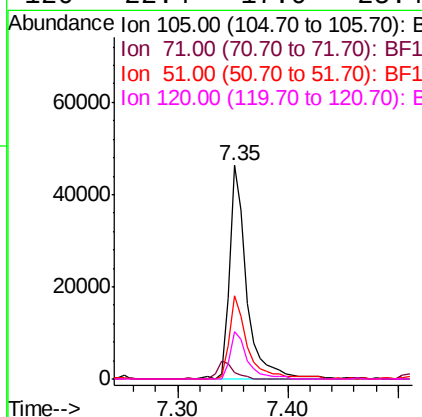
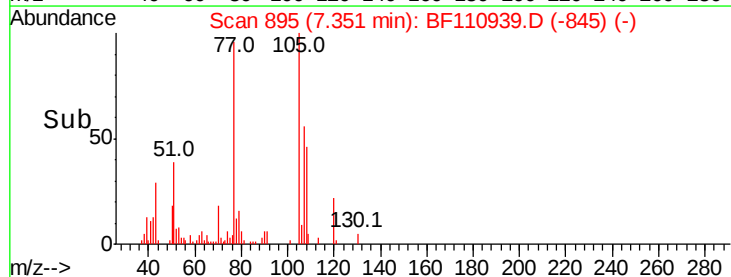
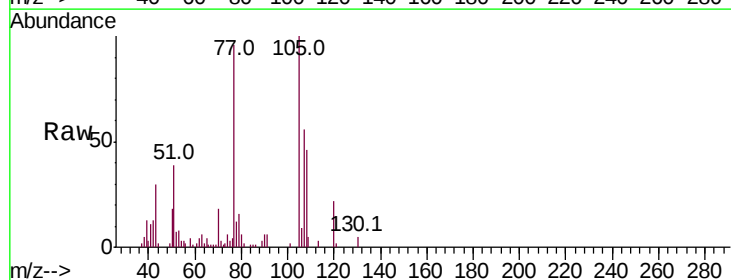
Manual Integrations
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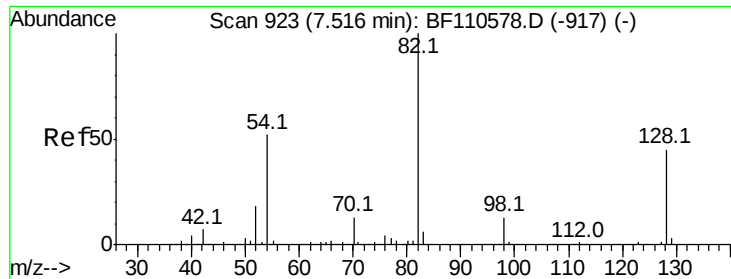
mohammad
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#22
Acetophenone
Concen: 10.986 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	50635		
71	3.1		5.2	7.8#
51	38.7		21.8	32.8#
120	22.4		17.0	25.4





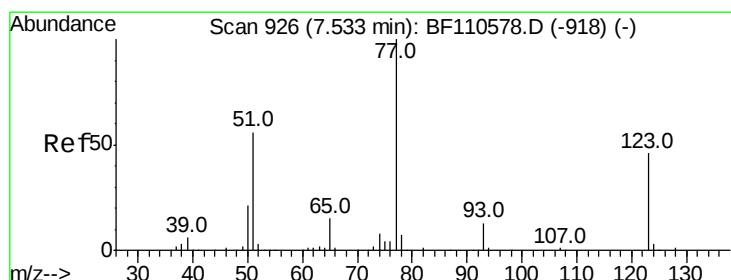
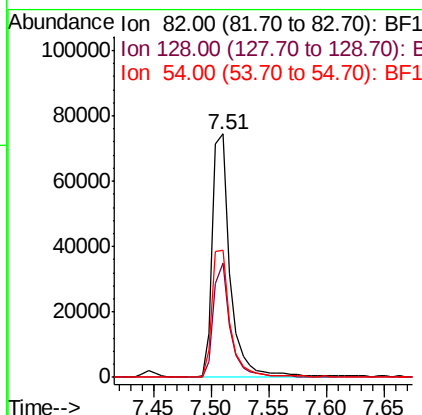
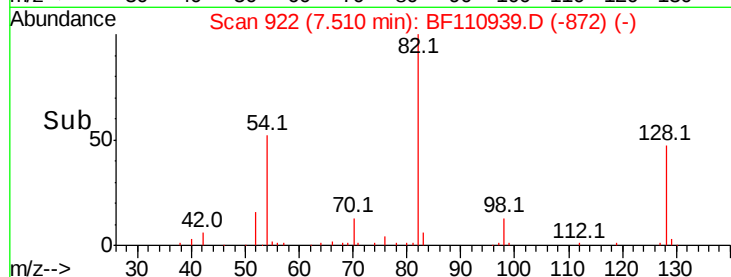
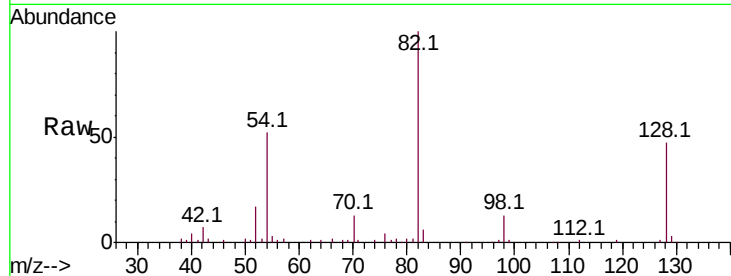
#23
 Nitrobenzene-d5
 Concen: 23.360 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110939.D
 Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.1	34.2	51.2
54	52.1	38.6	58.0

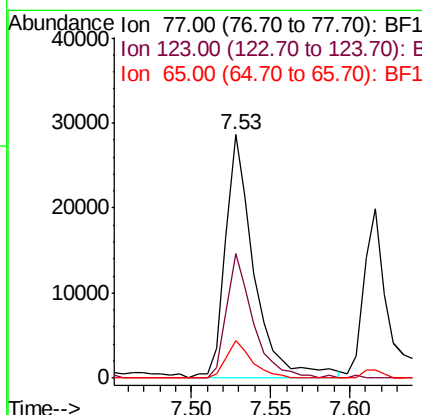
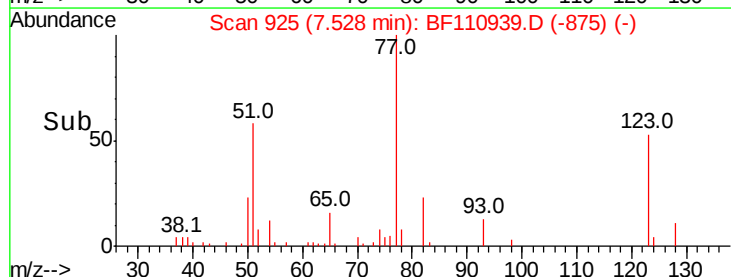
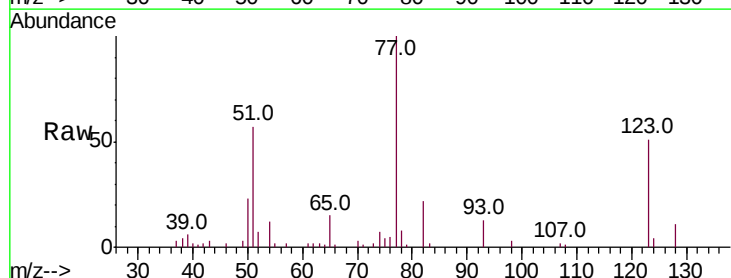
Manual Integrations
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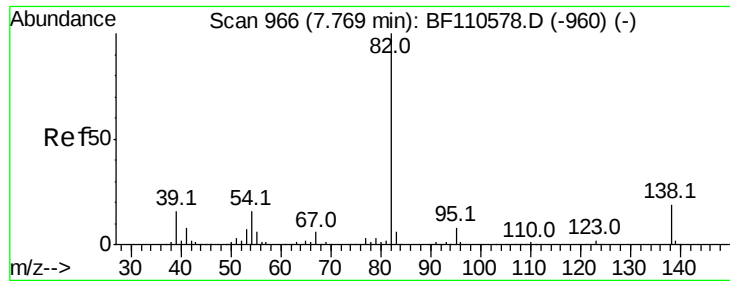
mohammad
 11/23/2018 11:49:21 AM



#24
 Nitrobenzene
 Concen: 10.200 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF110939.D
 Acq: 21 Nov 2018 20:16

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.0	35.7	53.5
65	15.2	10.7	16.1





#25

Isophorone

Concen: 11.117 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Instrument :

BNA_F

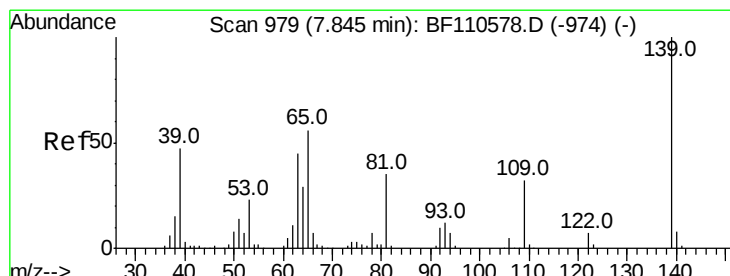
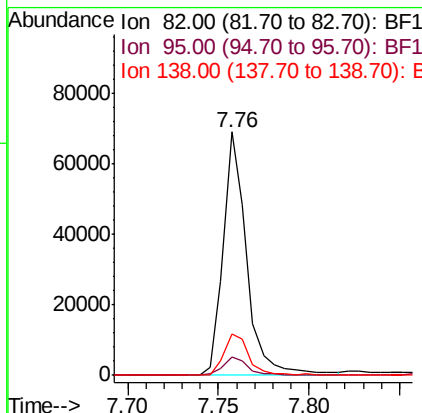
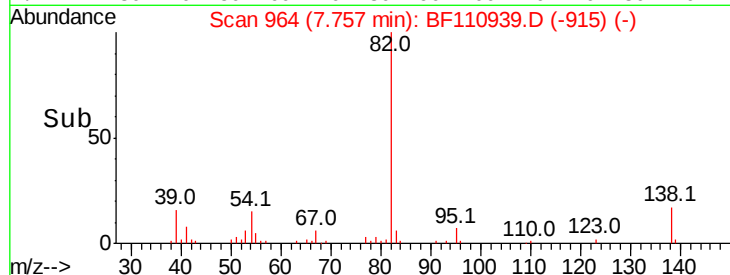
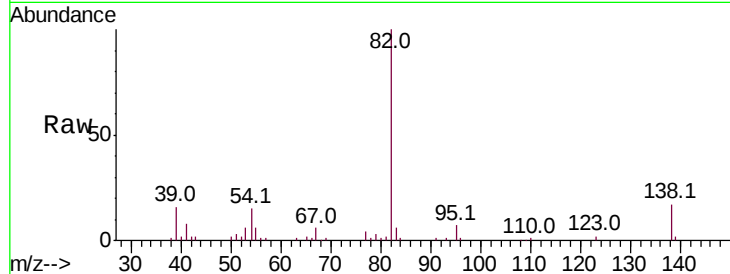
ClientSampleId :

DTW-02(11-13)MSD

Tot Ion:	82	Resp:	62573
Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.7	8.5
138	16.9	13.2	19.8

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#26

2-Nitrophenol

Concen: 6.923 ng

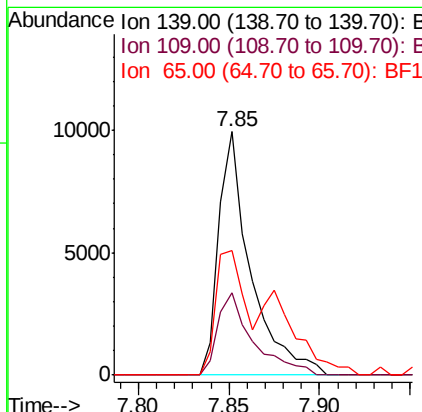
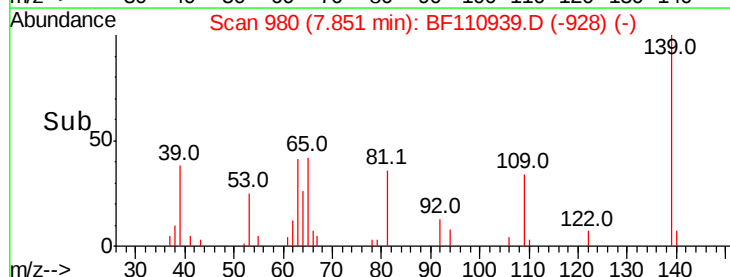
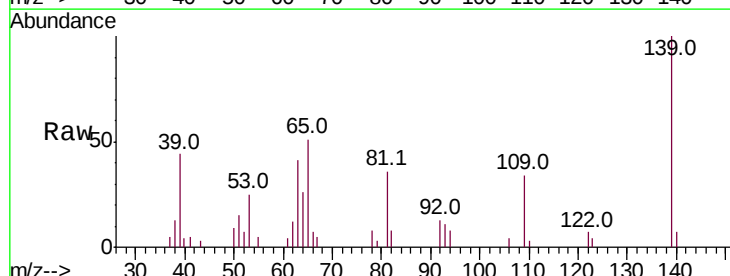
RT: 7.85 min Scan# 980

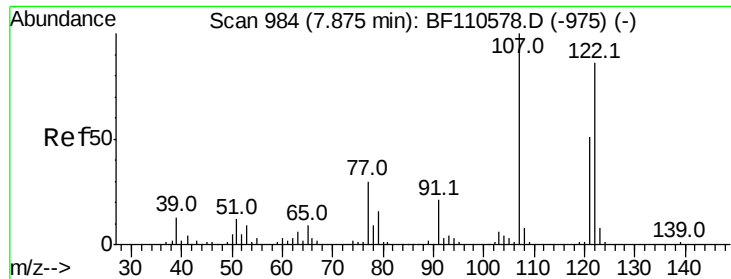
Delta R.T. 0.01 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Tgt Ion:	139	Resp:	12151
Ion	Ratio	Lower	Upper
139	100		
109	33.6	25.0	37.6
65	51.2	44.0	66.0





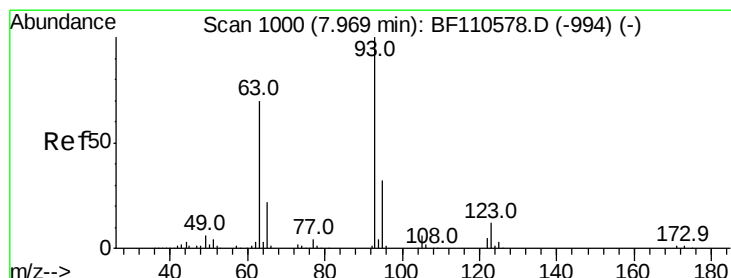
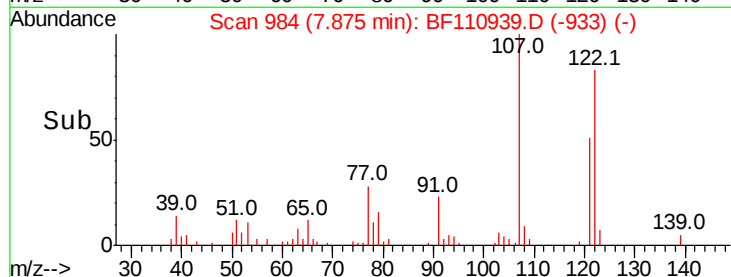
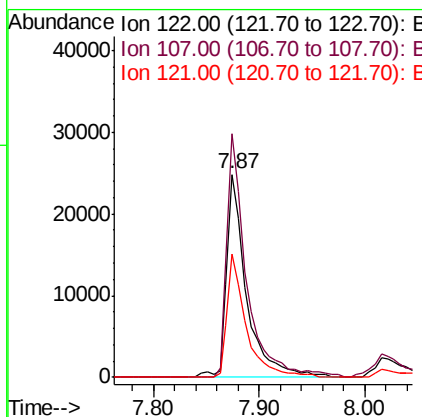
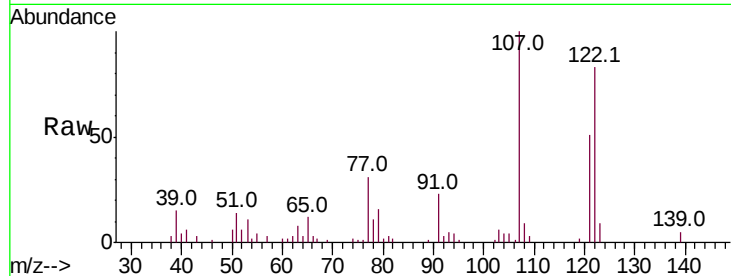
#27
2,4-Dimethylphenol
Concen: 12.186 ng
RT: 7.87 min Scan# 984
Delta R.T. 0.00 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
122	100		
107	120.1	92.5	138.7
121	61.0	45.8	68.8

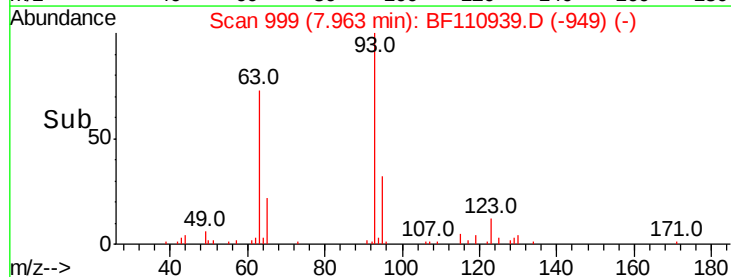
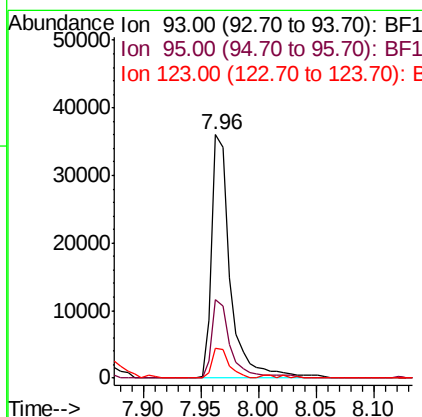
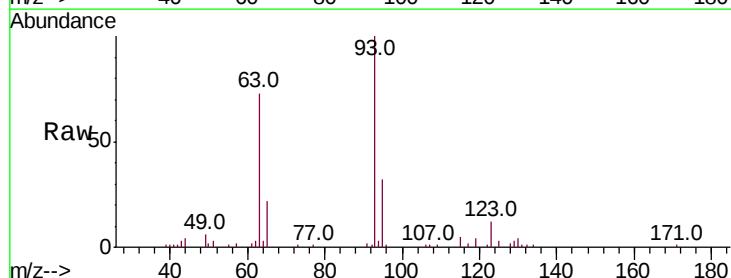
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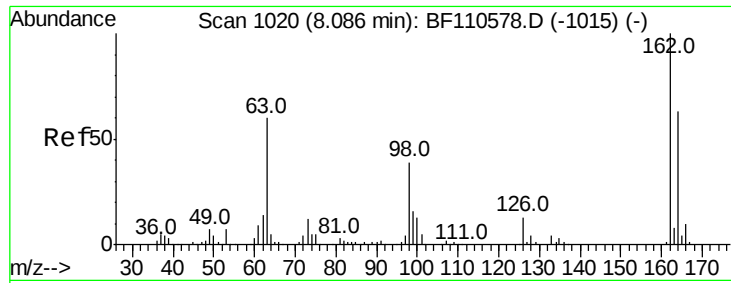
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 10.635 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.4	39.6
123	12.4	9.0	13.6





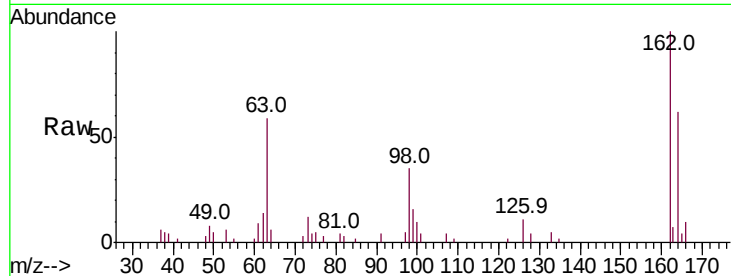
#29
 2,4-Dichlorophenol
 Concen: 9.567 ng
 RT: 8.10 min Scan# 1023
 Delta R.T. 0.02 min
 Lab File: BF110939.D
 Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Resp	Lower	Upper
162	100	26315		
164	62.0		44.6	84.6
98	34.9		17.4	57.4

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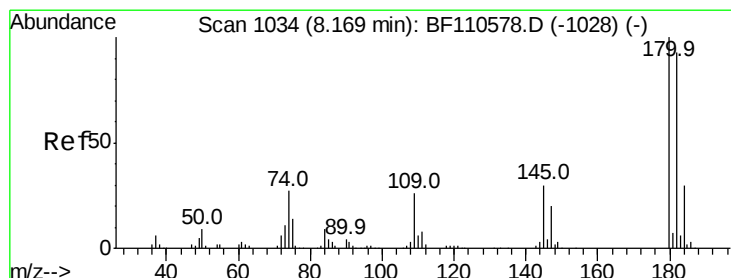
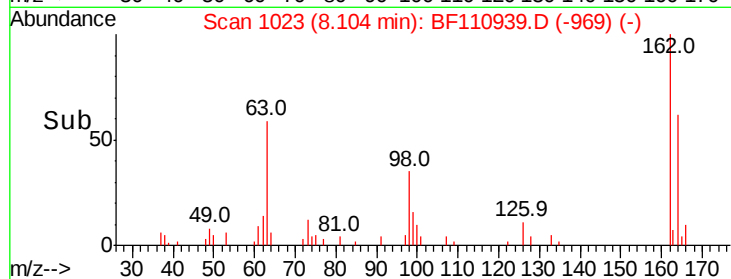
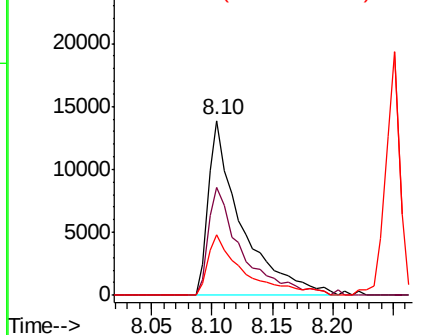


Abundance

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: 9.432 ng
 RT: 8.17 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: BF110939.D
 Acq: 21 Nov 2018 20:16

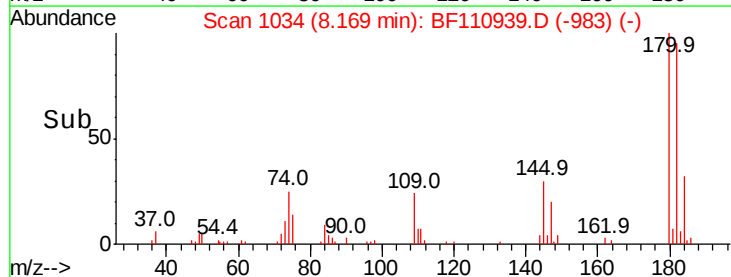
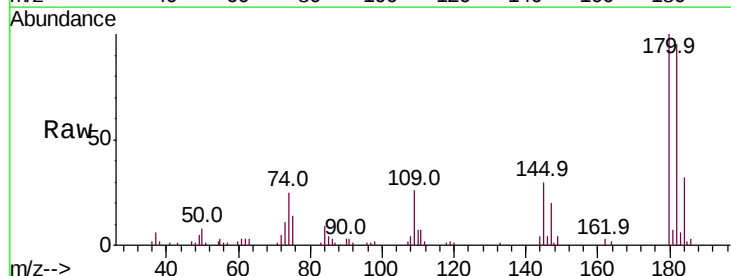
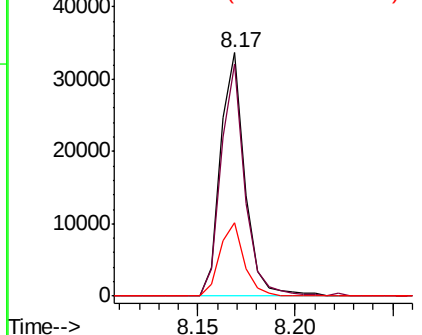
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	29249		
182	95.1		80.3	120.5
145	30.2		25.4	38.0

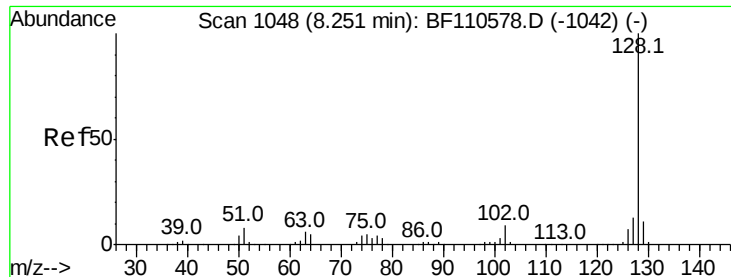
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 110.487 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Instrument :

BNA_F

ClientSampleId :

DTW-02(11-13)MSD

Tot Ion:128 Resp: 1025754

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

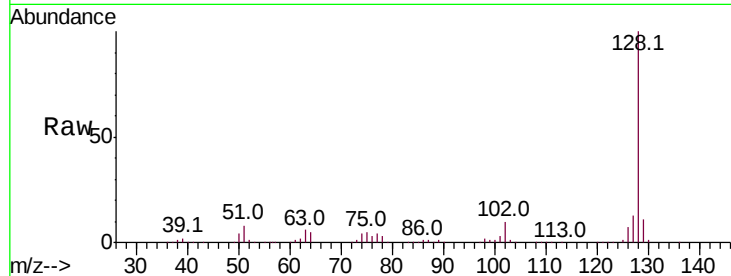
127 13.5 10.8 16.2

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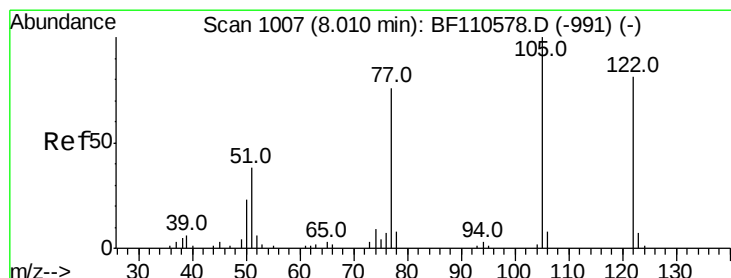
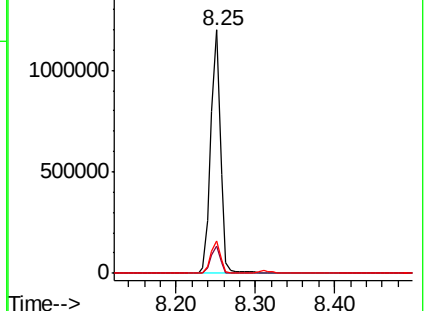
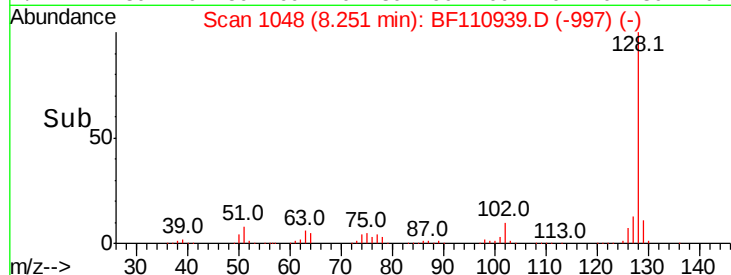
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2.583 ng

RT: 8.02 min Scan# 1008

Delta R.T. 0.01 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

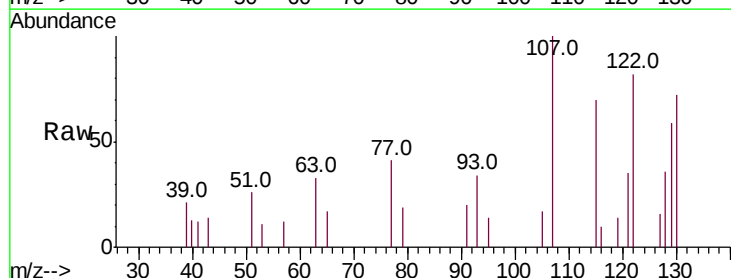
Tgt Ion:122 Resp: 4886

Ion Ratio Lower Upper

122 100

105 20.5 109.0 149.0#

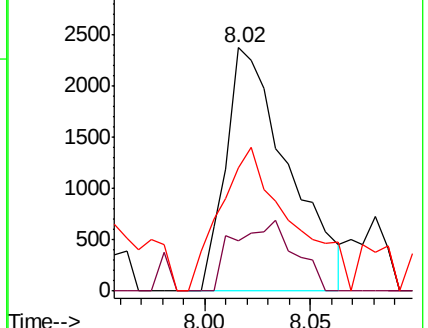
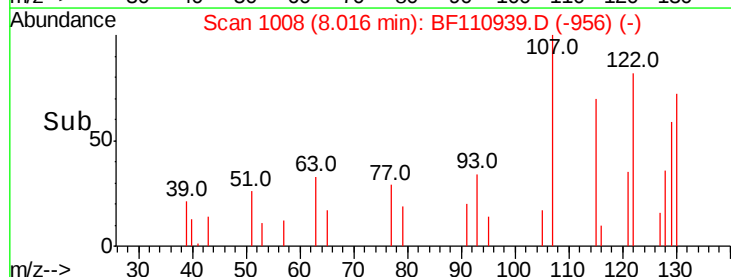
77 50.5 79.0 119.0#

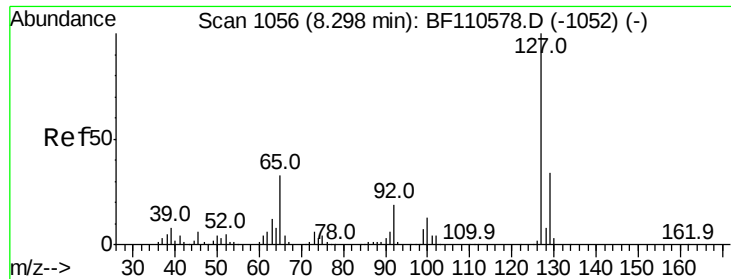


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





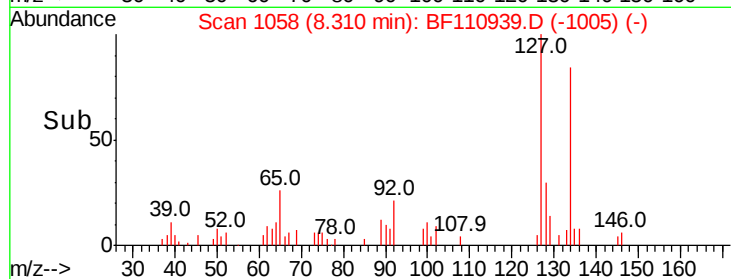
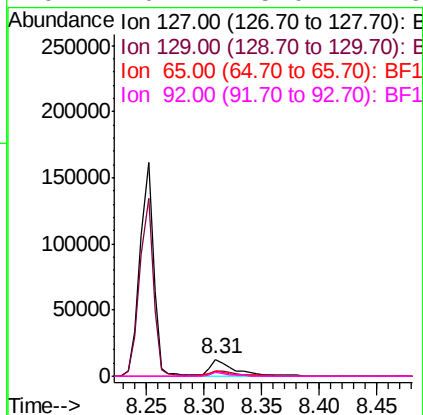
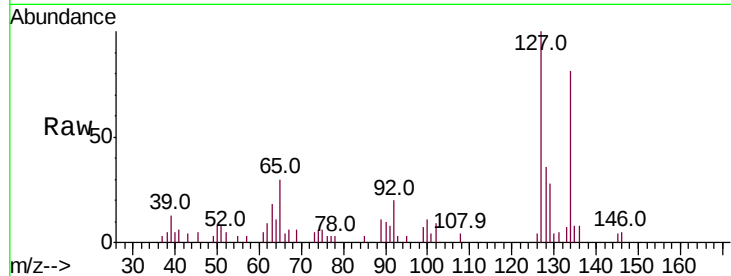
#33
4-Chloroaniline
Concen: 4.800 ng
RT: 8.31 min Scan# 1058
Delta R.T. 0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
127	100		
129	28.4	26.0	39.0
65	29.6	25.1	37.7
92	20.2	15.0	22.6

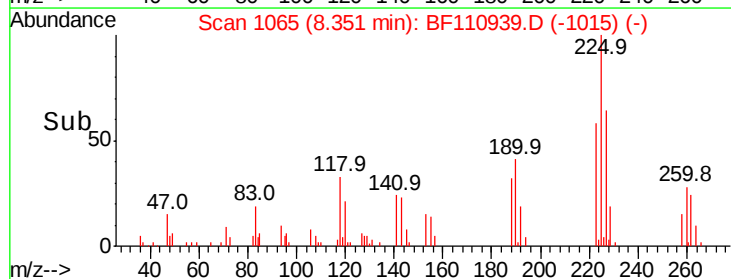
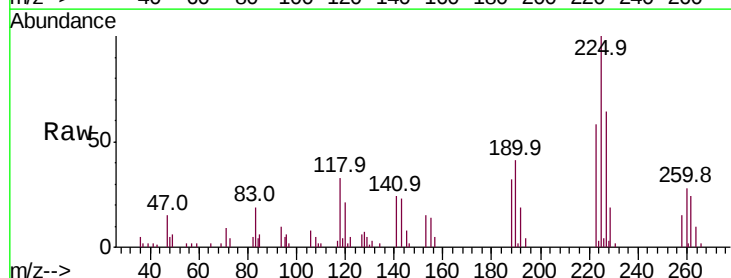
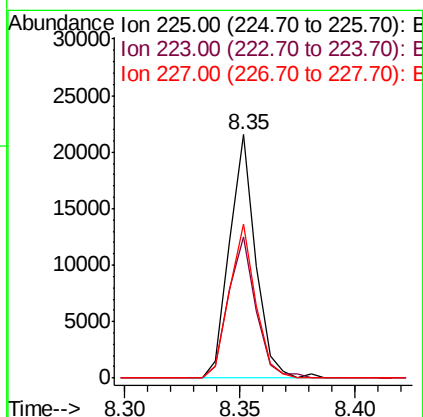
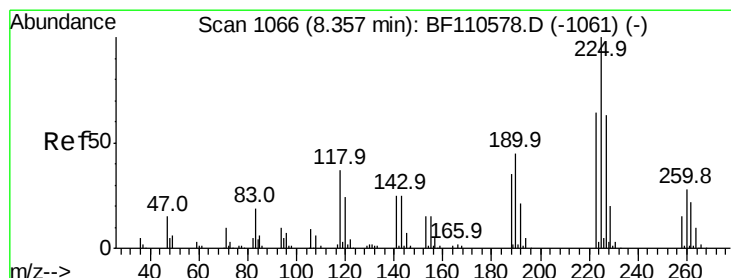
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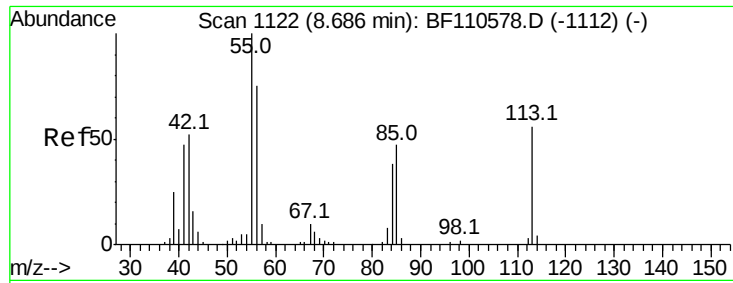
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#34
Hexachlorobutadiene
Concen: 9.581 ng
RT: 8.35 min Scan# 1065
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.2	51.4	77.2
227	63.5	51.0	76.6





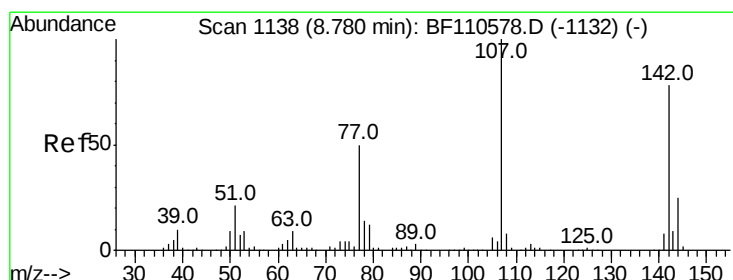
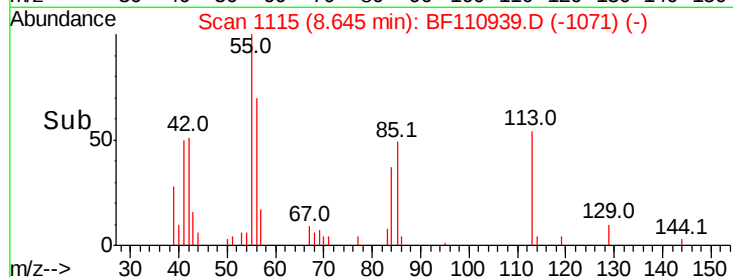
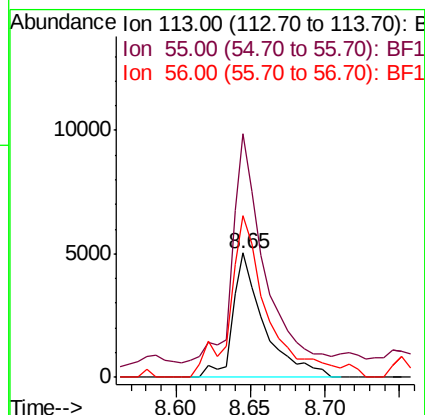
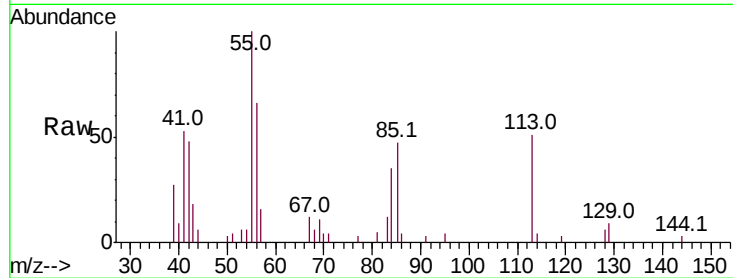
#35
 Caprolactam
 Concen: 8.036 ng
 RT: 8.65 min Scan# 1115
 Delta R.T. -0.04 min
 Lab File: BF110939.D
 Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
113	100		
55	196.1	142.8	182.8#
56	129.8	105.0	145.0

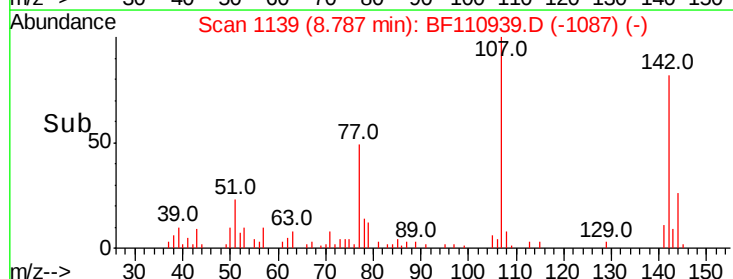
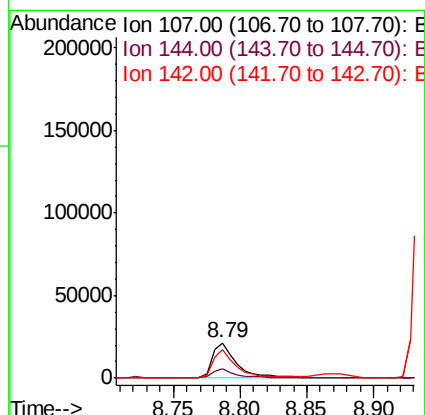
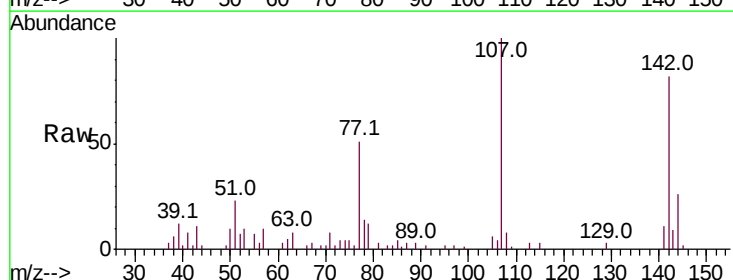
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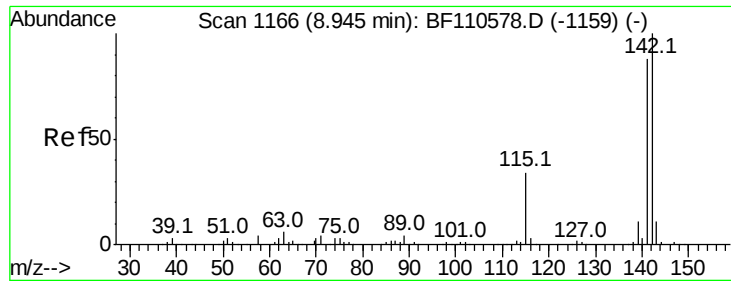
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#36
 4-Chloro-3-methylphenol
 Concen: 9.357 ng
 RT: 8.79 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: BF110939.D
 Acq: 21 Nov 2018 20:16

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.0	30.0
142	81.6	59.7	89.5





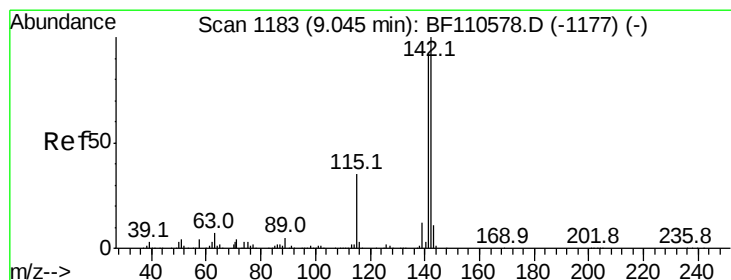
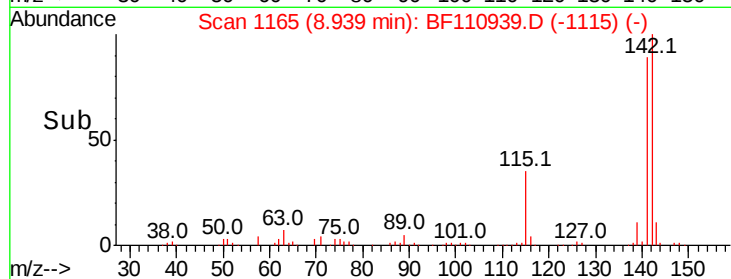
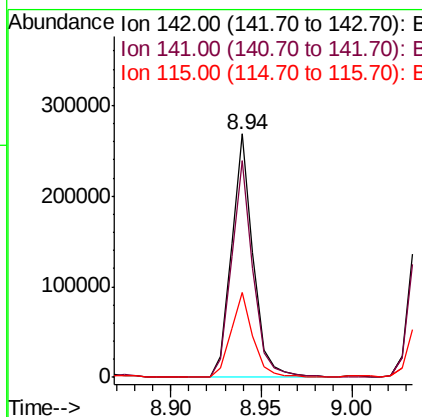
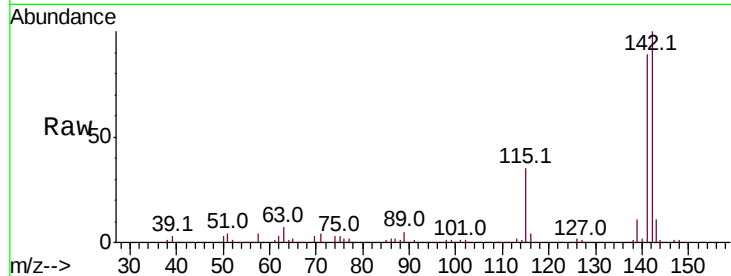
#37
2-Methylnaphthalene
Concen: 36.830 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.4	107.2
115	34.9	28.7	43.1

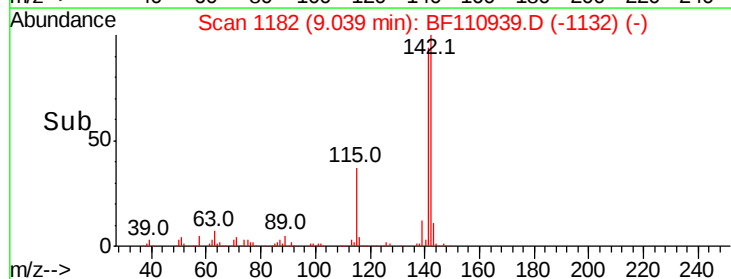
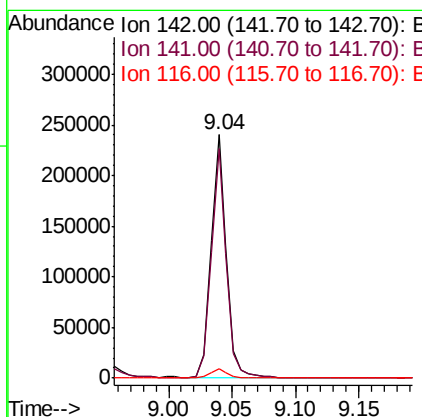
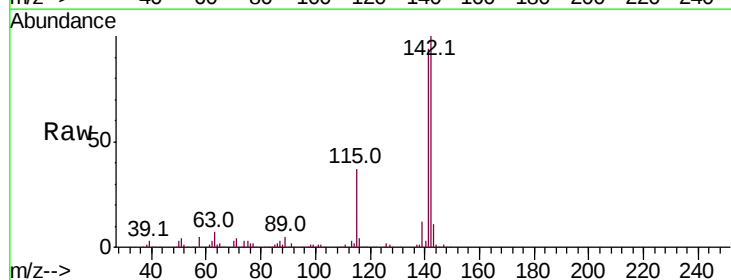
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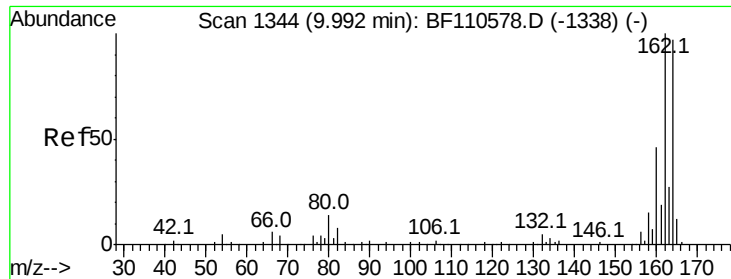
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#38
1-Methylnaphthalene
Concen: 35.081 ng
RT: 9.04 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.4	74.2	111.4
116	3.7	2.6	4.0





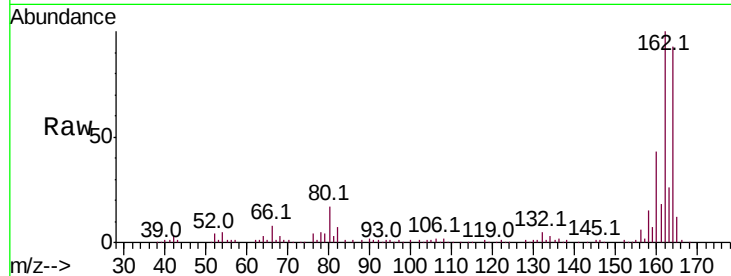
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	107.7	83.0	124.6
160	46.2	37.0	55.6

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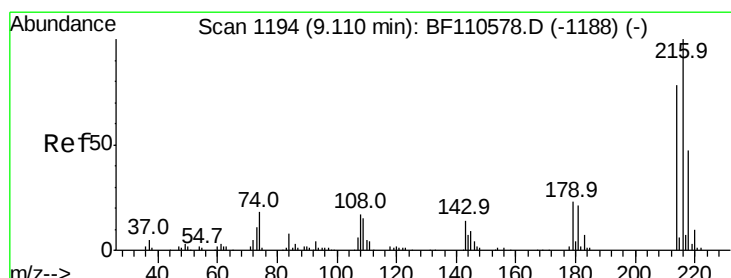
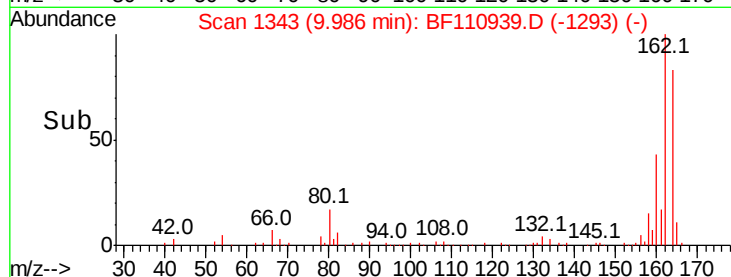
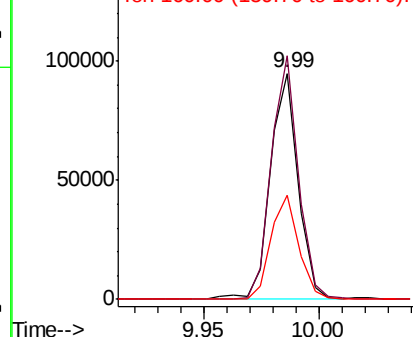


Abundance

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: 9.900 ng
RT: 9.11 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.8	95.6
179	21.4	16.6	25.0
108	18.3	15.1	22.7

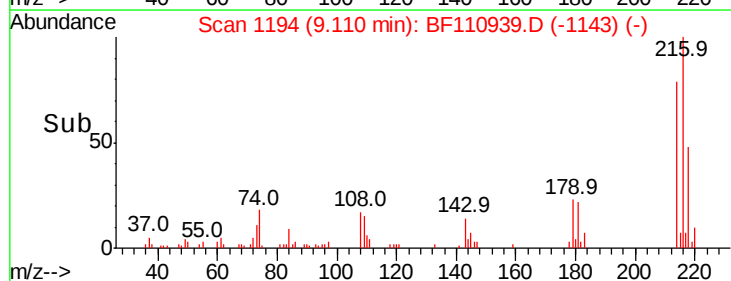
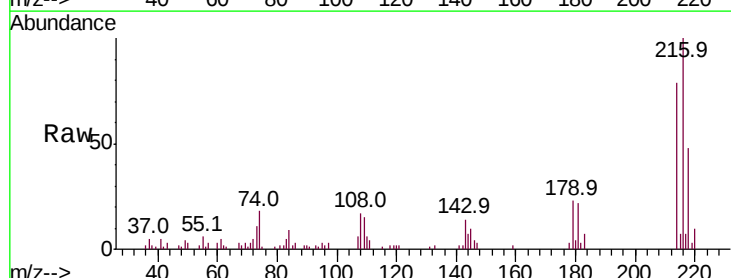
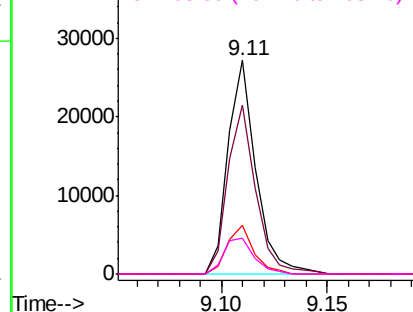
Abundance

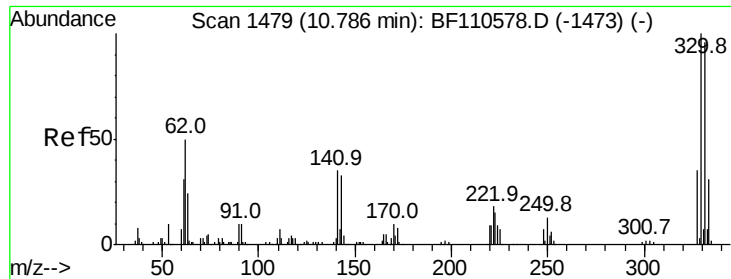
Ion 216.00 (215.70 to 216.70): E

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





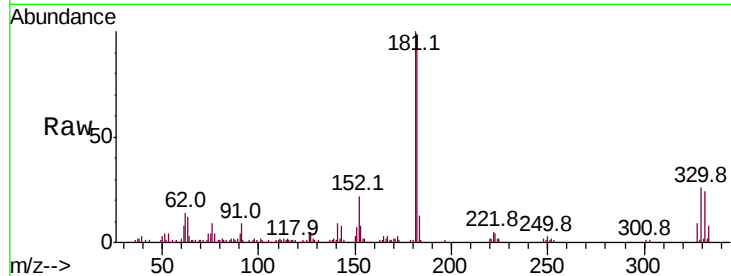
#42
 2,4,6-Tribromophenol
 Concen: 27.902 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: BF110939.D
 Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	77.1	115.7	
141	43.9	27.0	40.4	

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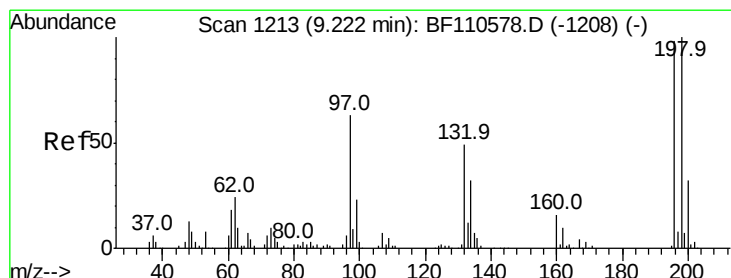
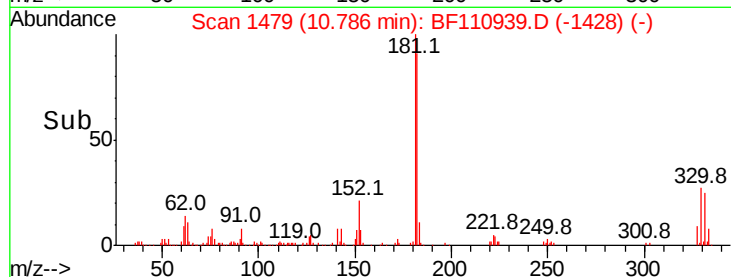
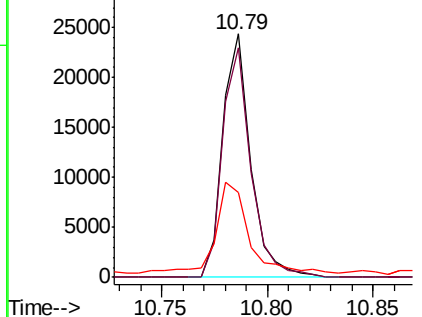


Abundance

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: 9.857 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.01 min
 Lab File: BF110939.D
 Acq: 21 Nov 2018 20:16

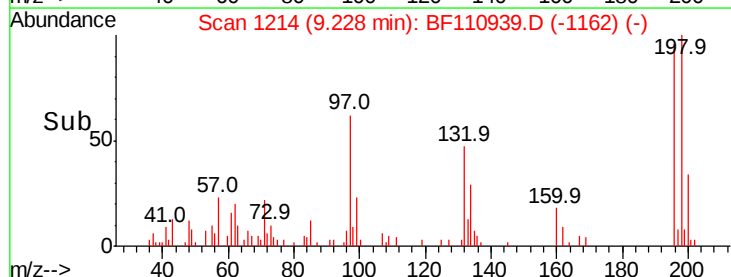
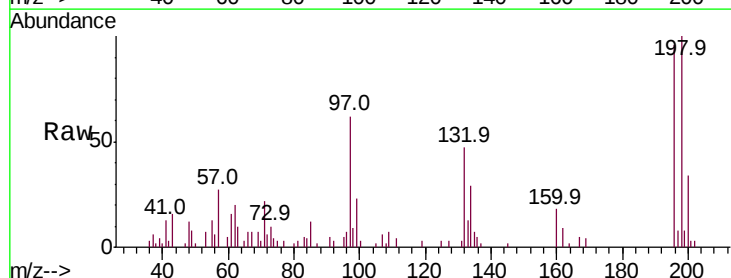
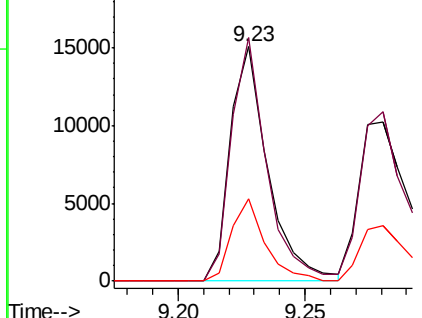
Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	103.8	76.2	114.4	
200	35.1	24.4	36.6	

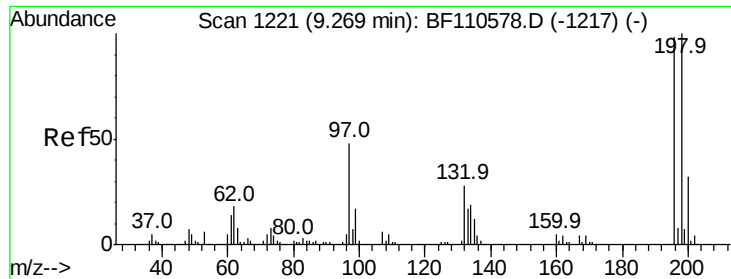
Abundance

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





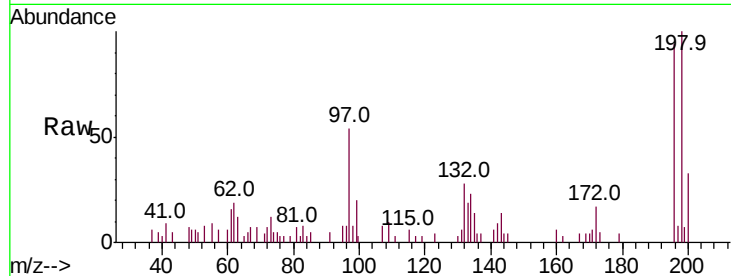
#44
 2,4,5-Trichlorophenol
 Concen: 9.050 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. 0.01 min
 Lab File: BF110939.D
 Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Resp	Lower	Upper
196	100	15287		
198	106.3		75.8	113.6
97	56.9		42.4	63.6
132	29.7		22.8	34.2

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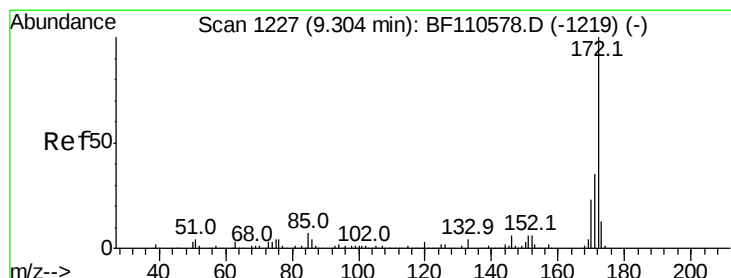
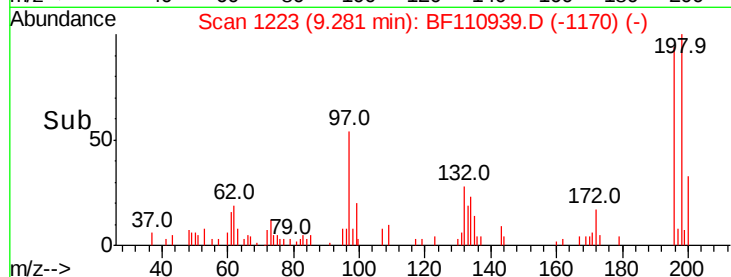
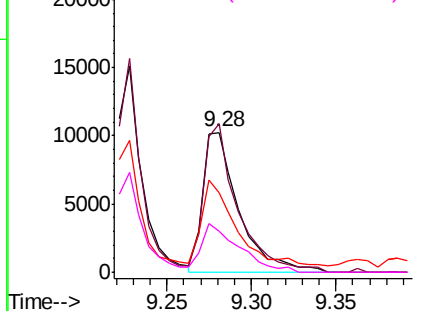
Abundance

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: 22.541 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: BF110939.D
 Acq: 21 Nov 2018 20:16

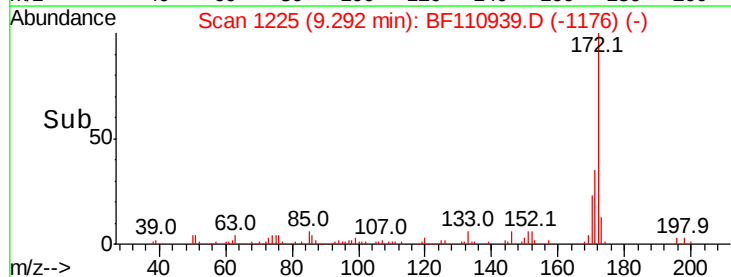
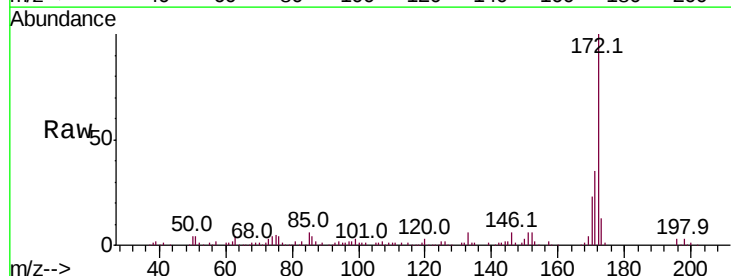
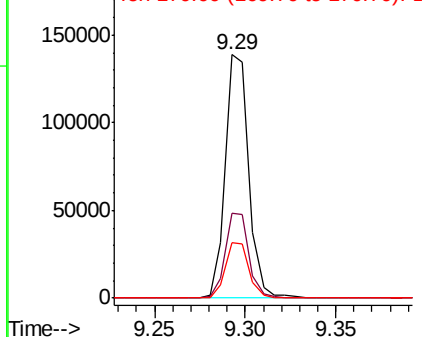
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	125642		
171	34.9		28.6	43.0
170	22.7		19.7	29.5

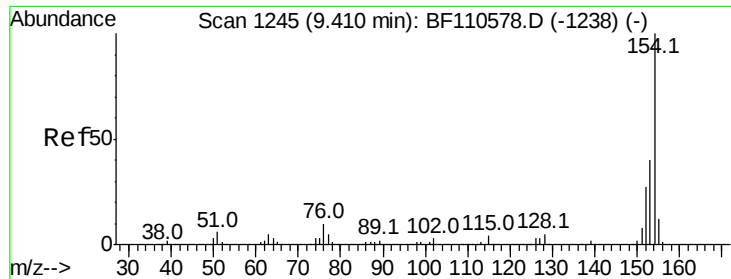
Abundance

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





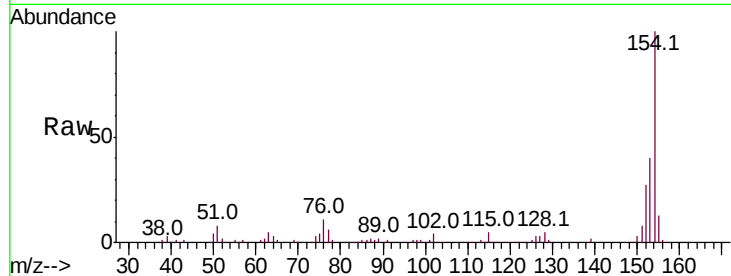
#46
1,1'-Biphenyl
Concen: 23.148 ng
RT: 9.40 min Scan# 1243
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.4	60.4
76	11.1	0.0	31.9

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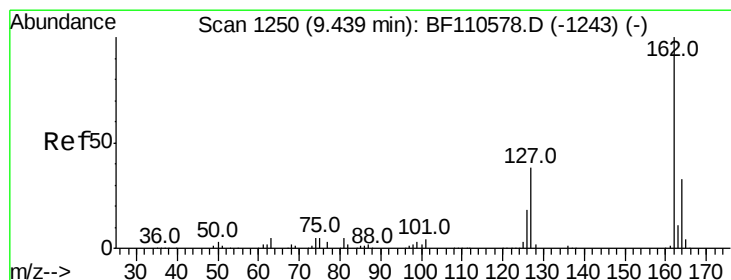
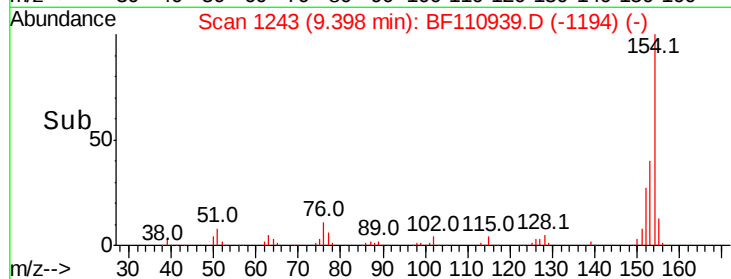
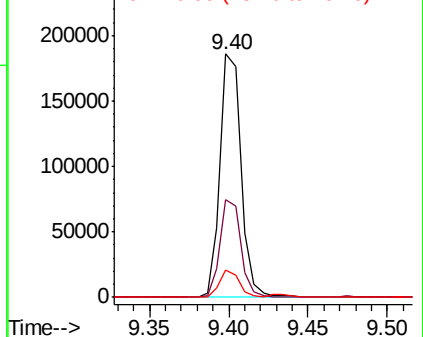


Abundance

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: 9.574 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

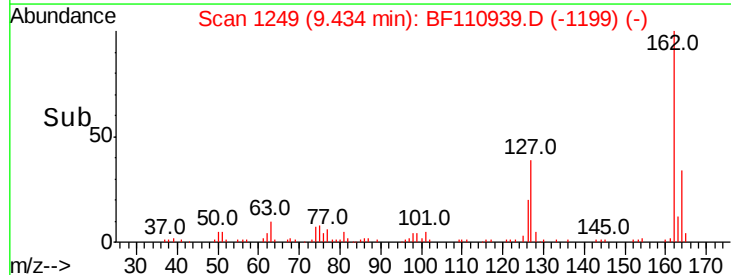
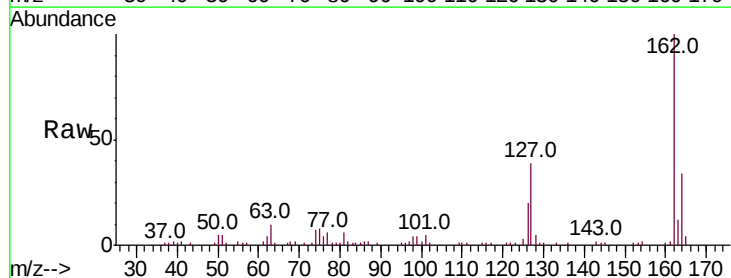
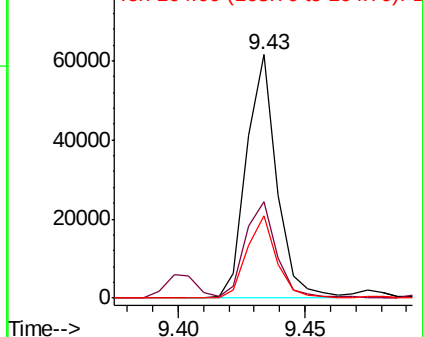
Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.4	32.6	48.8
164	33.8	25.9	38.9

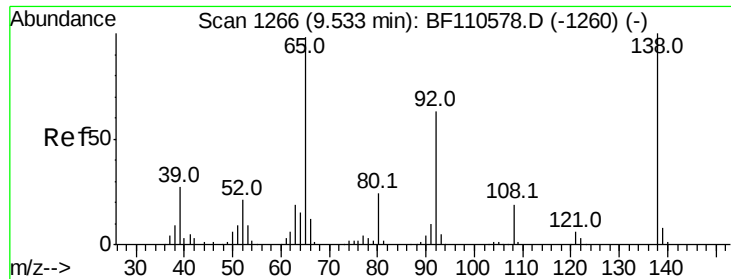
Abundance

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





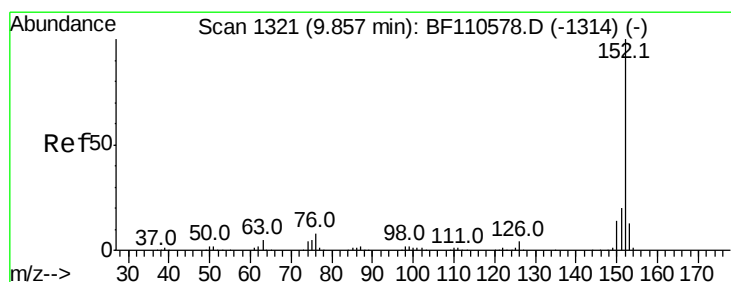
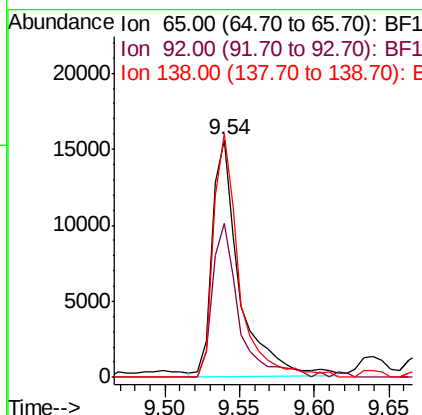
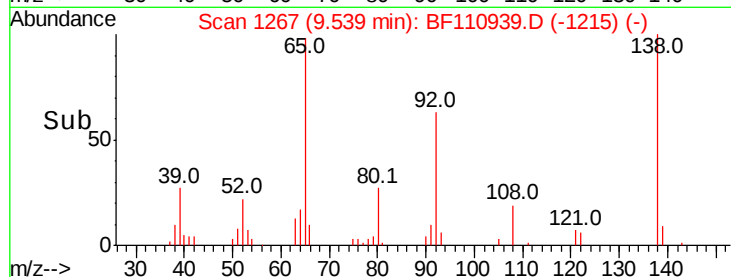
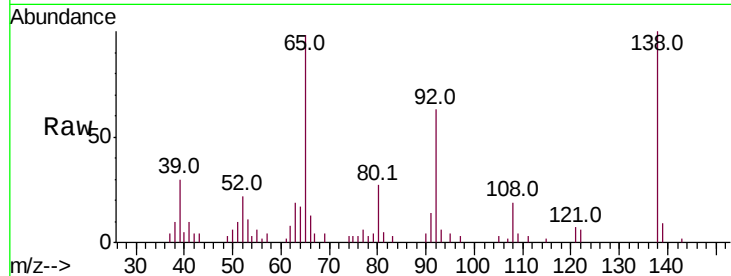
#48
2-Nitroaniline
Concen: 11.894 ng
RT: 9.54 min Scan# 1267
Delta R.T. 0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
65	100		
92	64.8	54.6	81.8
138	102.5	80.3	120.5

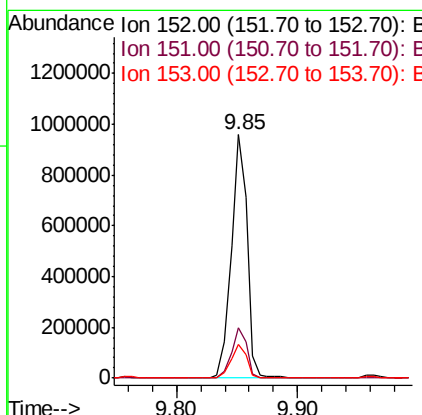
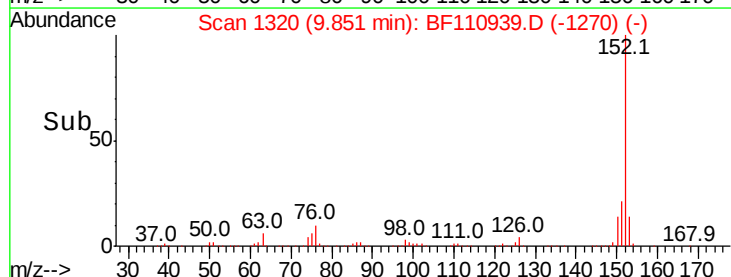
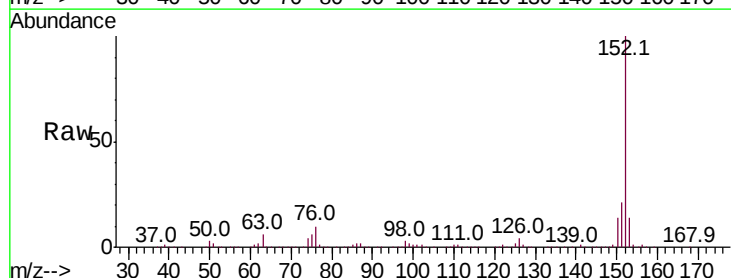
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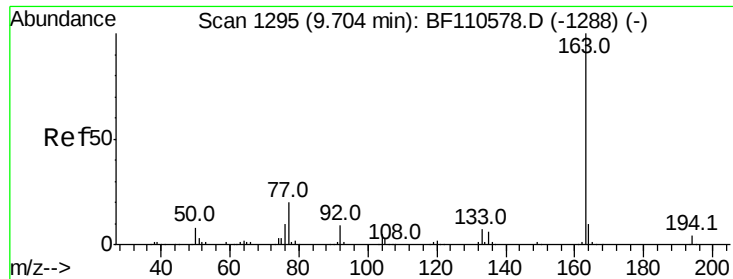
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#49
Acenaphthylene
Concen: 113.490 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.8	23.8
153	14.0	10.4	15.6





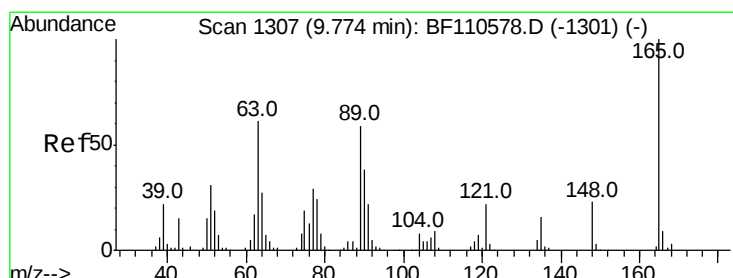
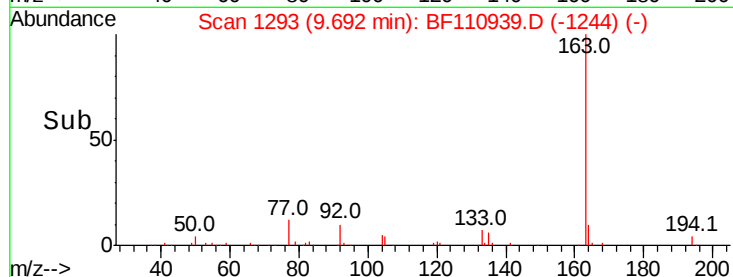
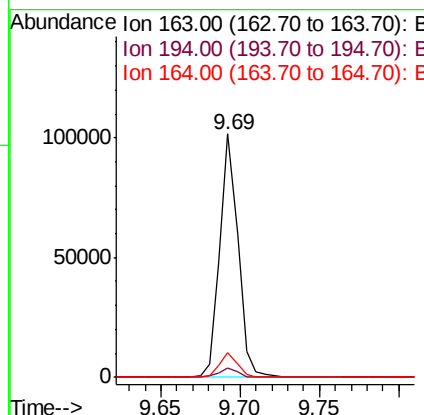
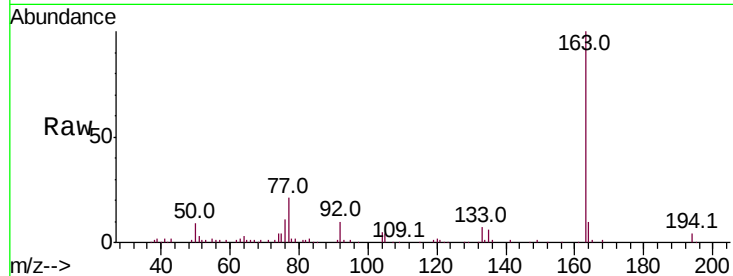
#50
Dimethylphthalate
Concen: 13.720 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	10.3	8.1	12.1

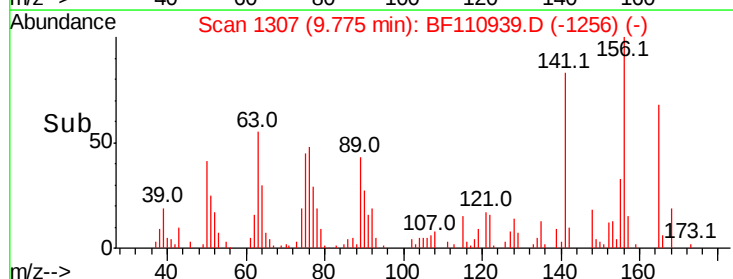
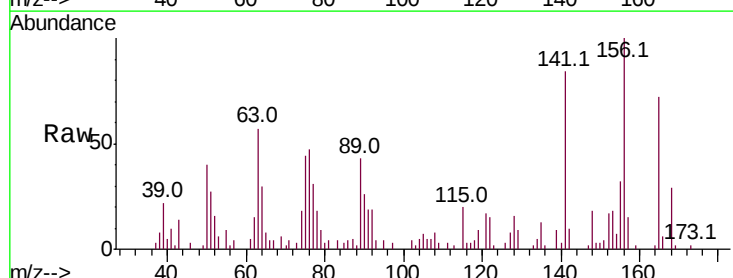
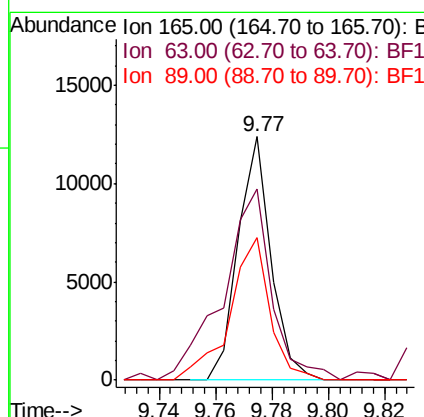
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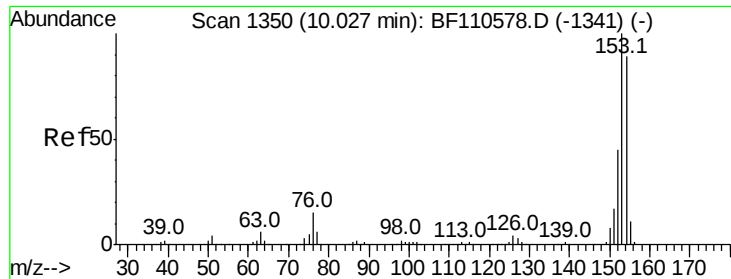
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#51
2,6-Dinitrotoluene
Concen: 7.689 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	78.6	48.9	73.3#
89	58.7	46.6	69.8





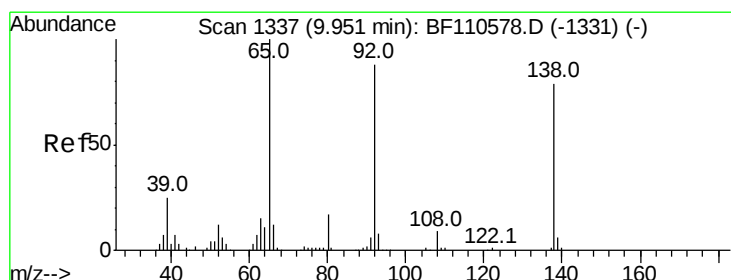
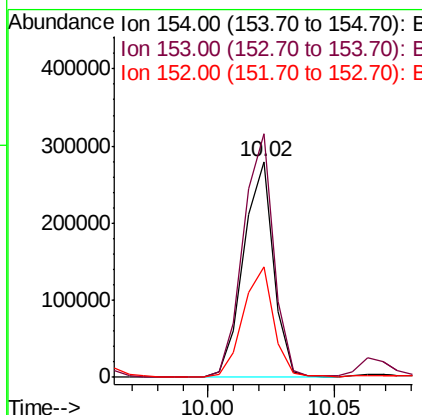
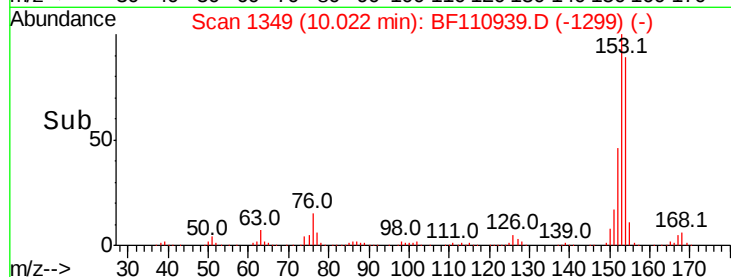
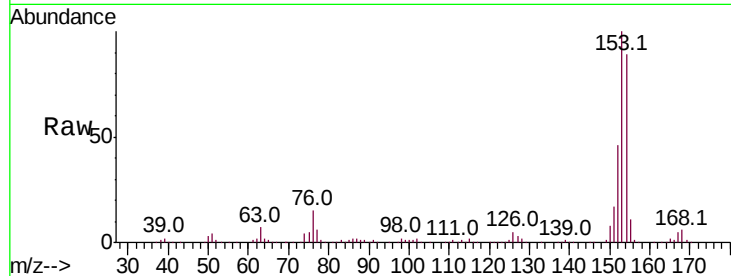
#52
Acenaphthene
Concen: 47.292 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.1	135.1
152	51.5	43.4	65.2

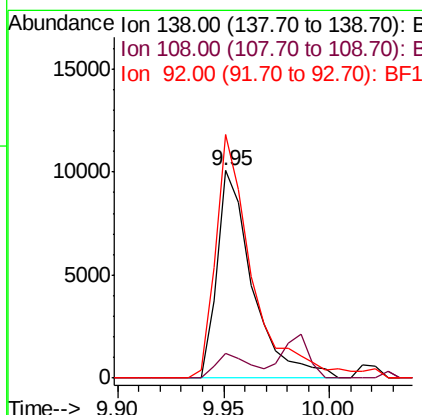
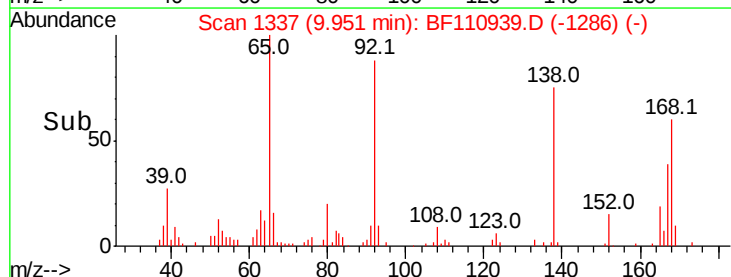
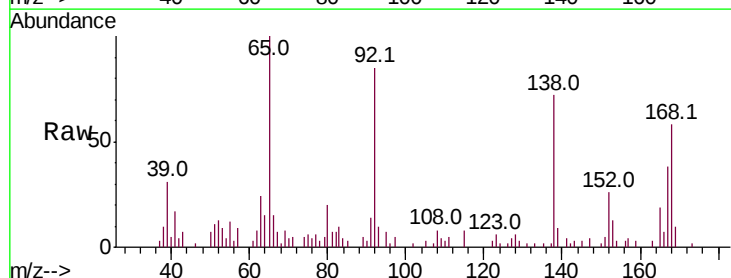
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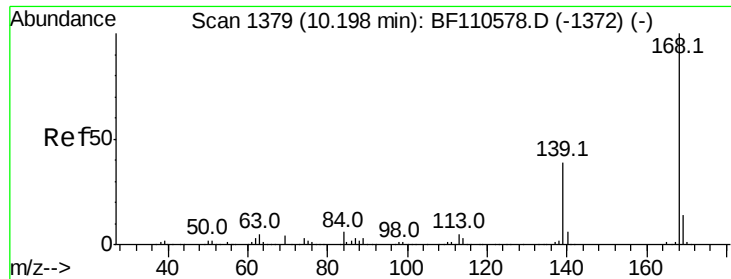
mohammad
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#53
3-Nitroaniline
Concen: 7.758 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.00 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

Tgt Ion	Ratio	Lower	Upper
138	100		
108	11.6	8.7	13.1
92	117.3	97.0	145.4





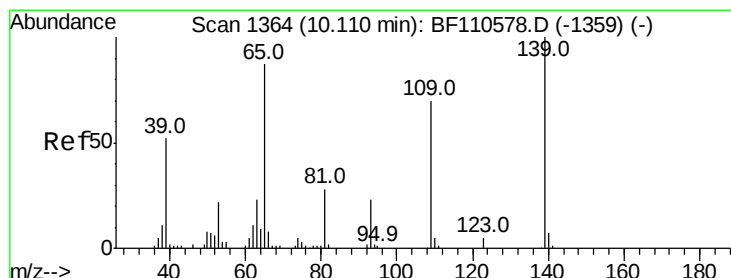
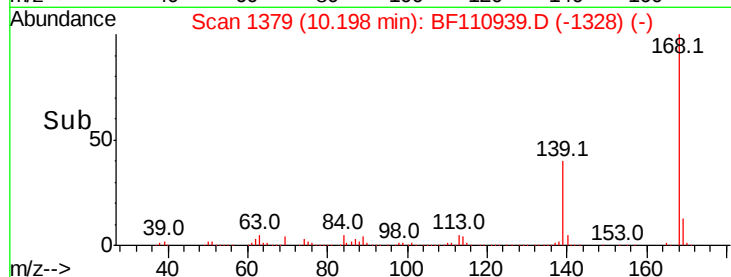
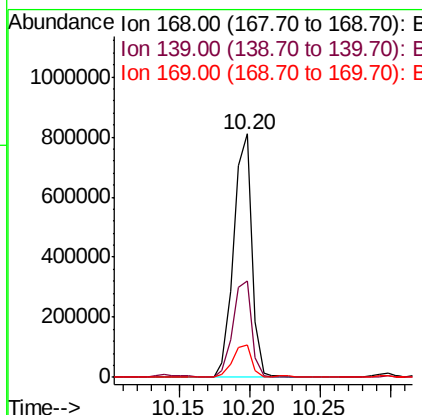
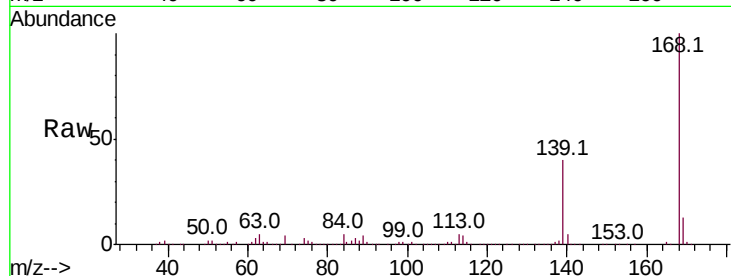
#55
Dibenzofuran
Concen: 102.302 ng
RT: 10.20 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	39.7	33.0	49.6	
169	13.4	11.3	16.9	

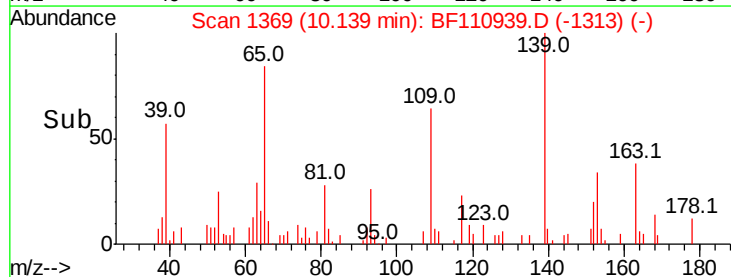
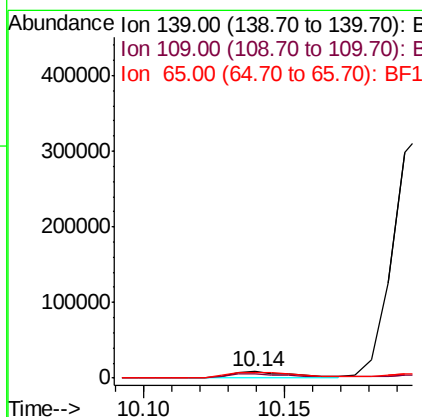
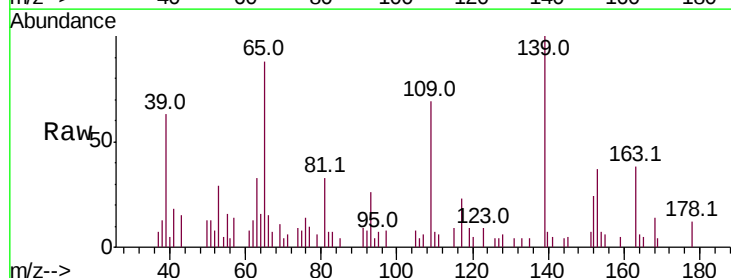
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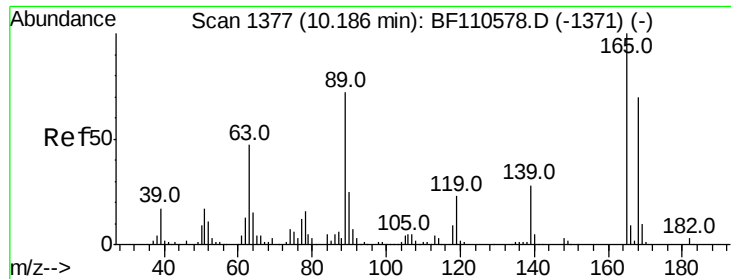
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#56
4-Nitrophenol
Concen: 13.574 ng
RT: 10.14 min Scan# 1369
Delta R.T. 0.03 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	68.7	55.8	95.8	
65	88.0	77.9	117.9	





#57

2,4-Dinitrotoluene

Concen: 7.877 ng

RT: 10.20 min Scan# 1379

Delta R.T. 0.01 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Instrument :

BNA_F

ClientSampleId :

DTW-02(11-13)MSD

Tot Ion:165 Resp: 13383

Ion Ratio Lower Upper

165 100

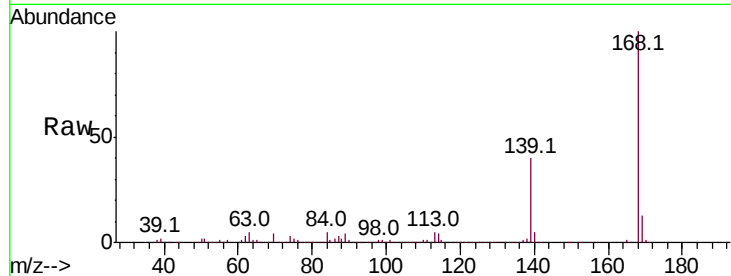
63 426.6 44.8 67.2#

89 287.1 62.2 93.4#

182 0.0 2.1 3.1#

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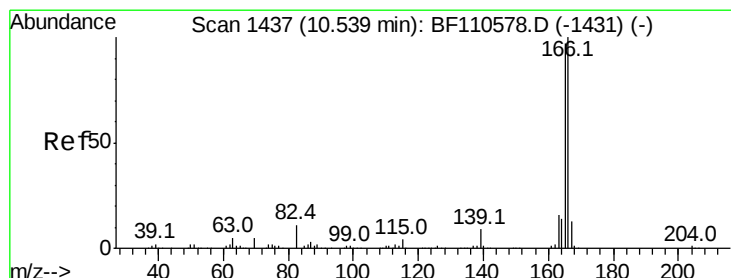
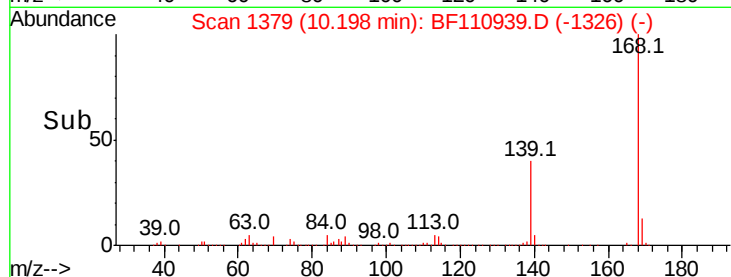
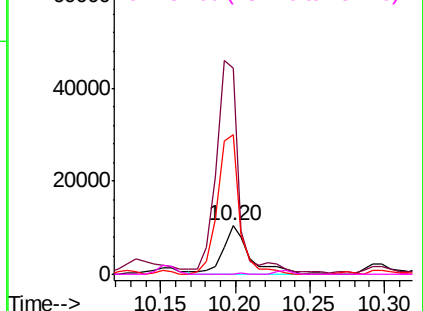


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 184.473 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.01 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Tgt Ion:166 Resp: 1009427

Ion Ratio Lower Upper

166 100

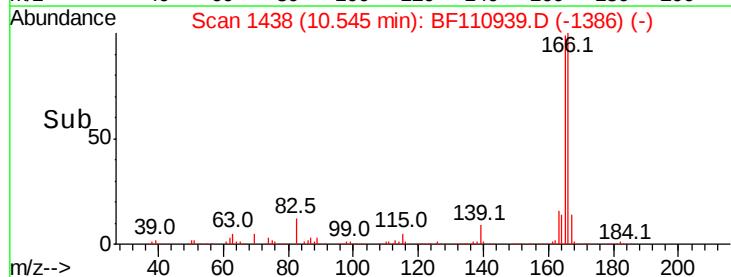
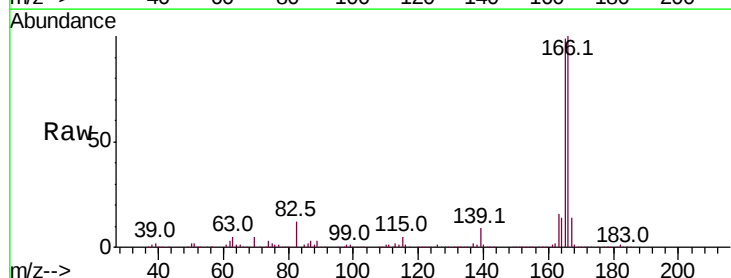
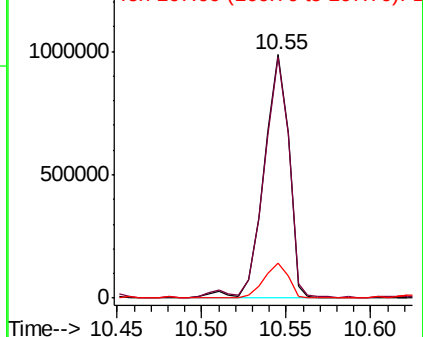
165 99.3 78.6 117.8

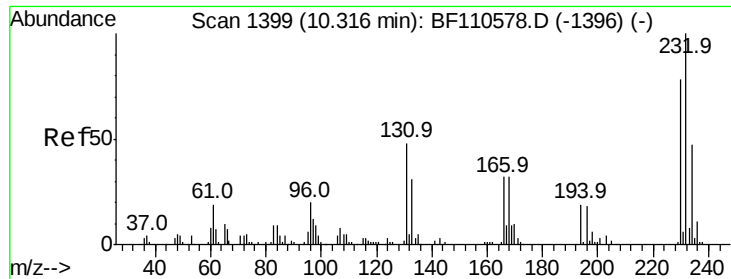
167 14.2 10.8 16.2

Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





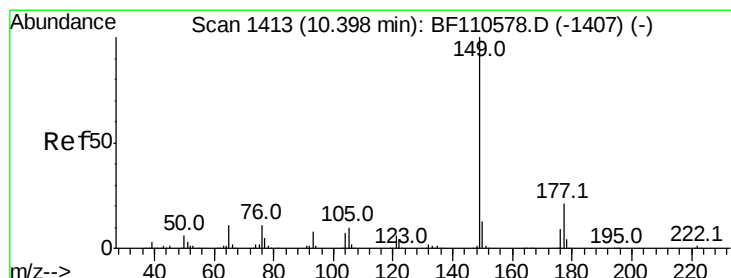
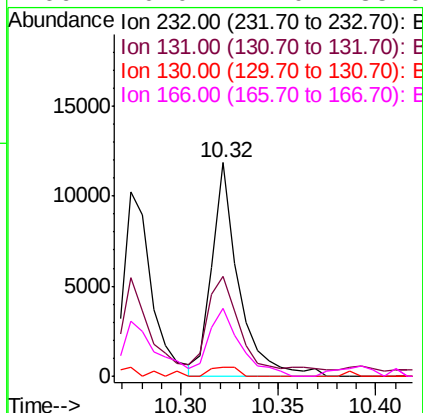
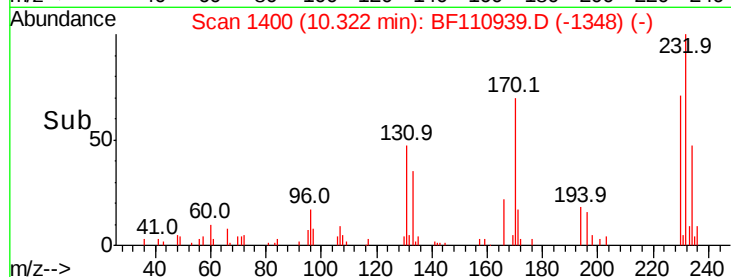
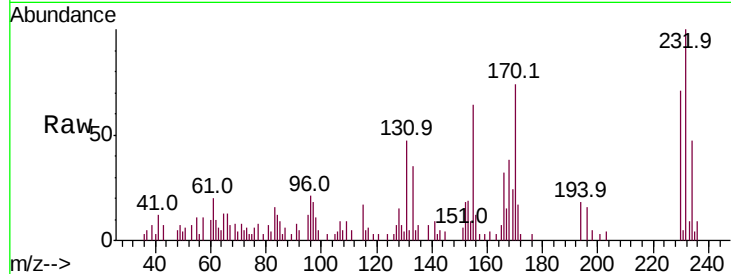
#59
2,3,4,6-Tetrachlorophenol
Concen: 8.515 ng
RT: 10.32 min Scan# 1400
Delta R.T. 0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
232	100		
131	64.1	37.0	55.4#
130	4.3	1.8	2.6#
166	0.0	22.0	33.0#

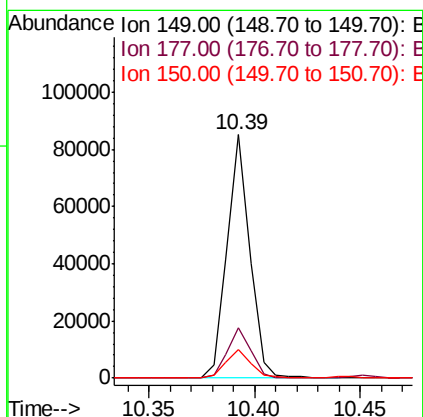
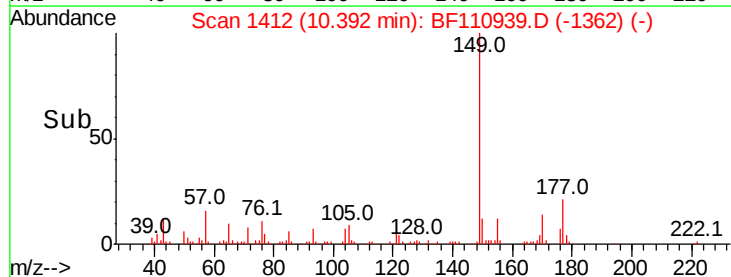
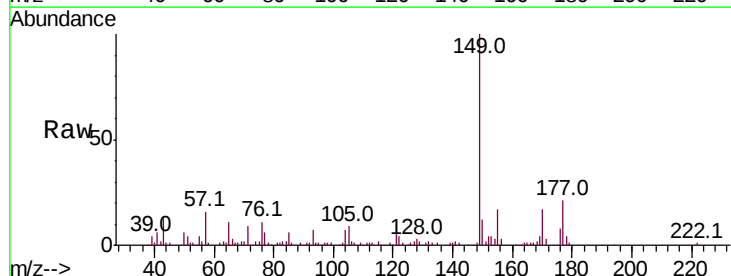
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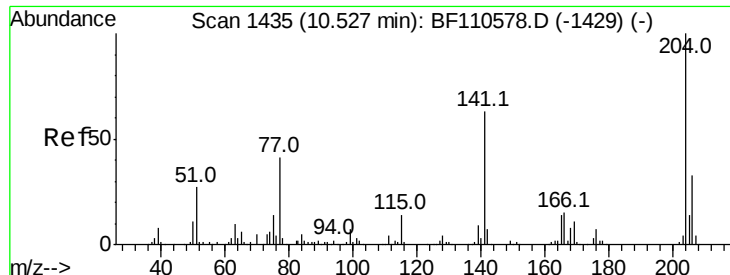
mohammad
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#60
Diethylphthalate
Concen: 10.782 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.5	17.4	26.2
150	12.0	9.8	14.8





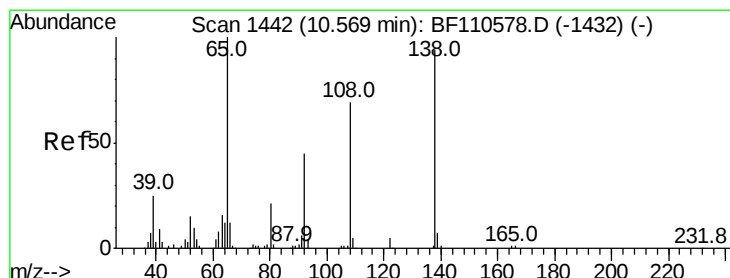
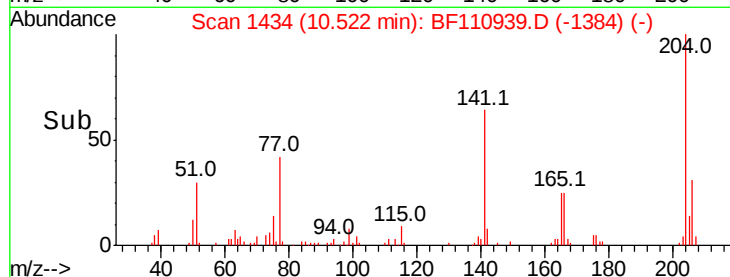
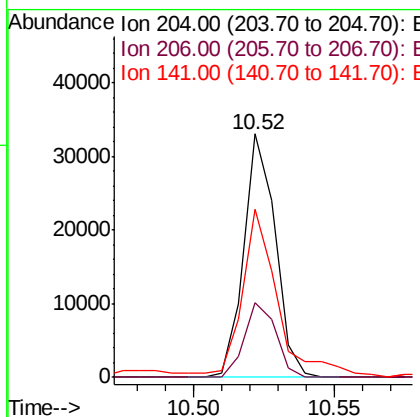
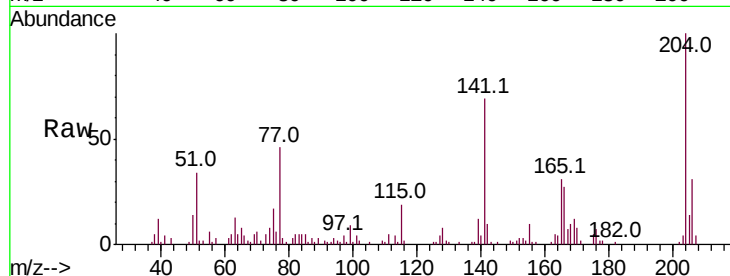
#61
4-Chlorophenyl-phenylether
Concen: 9.041 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
204	100		
206	30.7	26.5	39.7
141	69.2	51.8	77.8

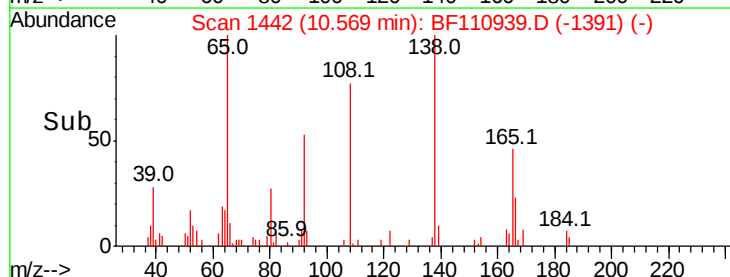
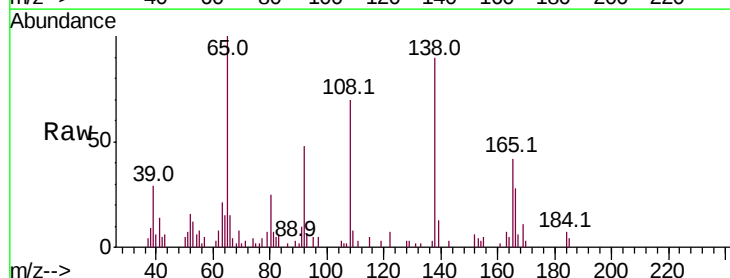
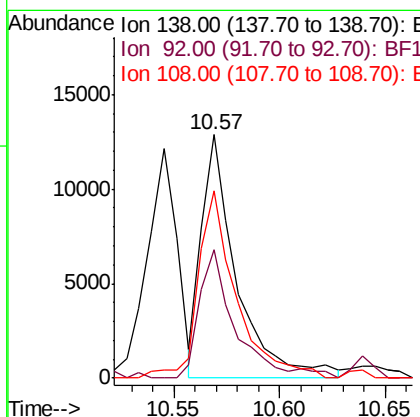
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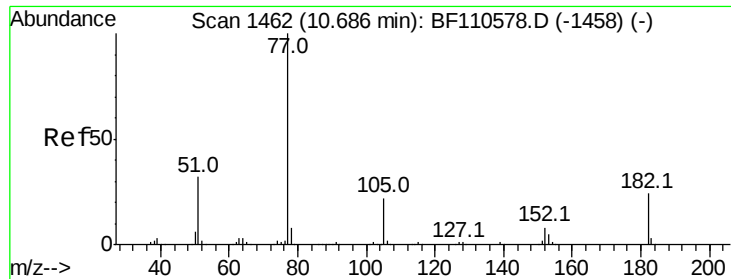
mohammad
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#62
4-Nitroaniline
Concen: 9.799 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.00 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

Tgt Ion	Ratio	Lower	Upper
138	100		
92	52.6	31.7	71.7
108	76.9	59.3	99.3





#63

Azobenzene

Concen: 8.977 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Instrument :

BNA_F

ClientSampleId :

DTW-02(11-13)MSD

Tot Ion: 77 Resp: 51468

Ion Ratio Lower Upper

77 100

182 53.9 4.3 44.3#

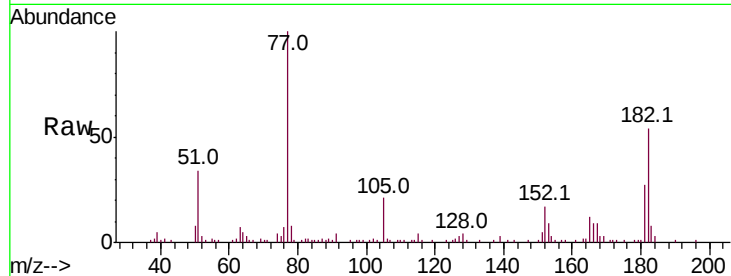
105 20.7 1.3 41.3

51 33.7 9.0 49.0

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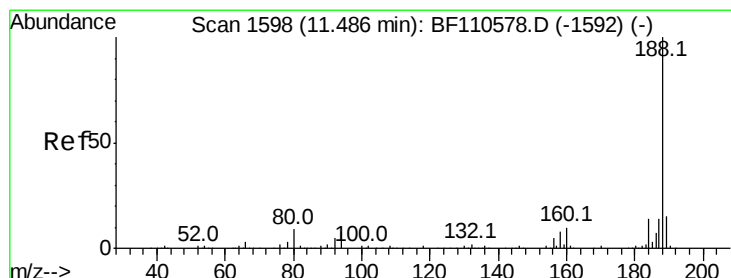
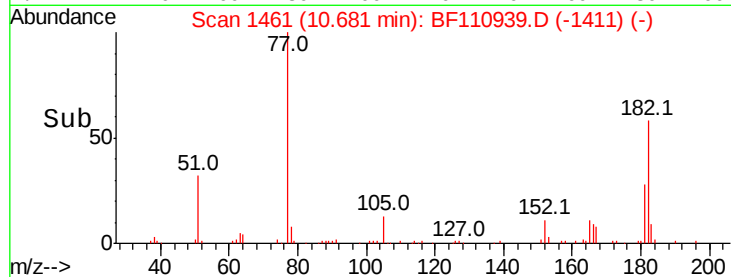
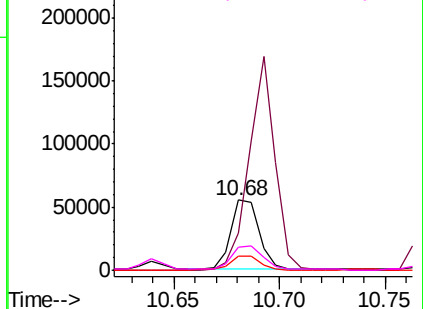


Abundance Ion 77.00 (76.70 to 77.70): BF1

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# 1599

Delta R.T. 0.01 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

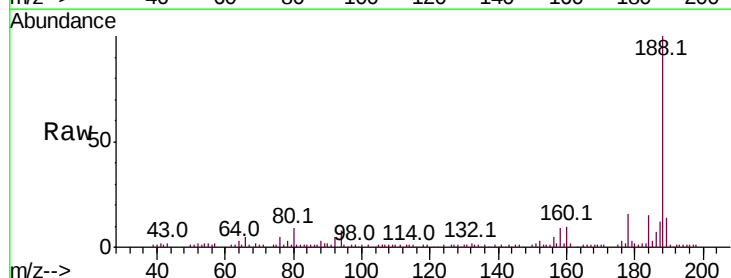
Tgt Ion: 188 Resp: 136486

Ion Ratio Lower Upper

188 100

94 8.5 7.2 10.8

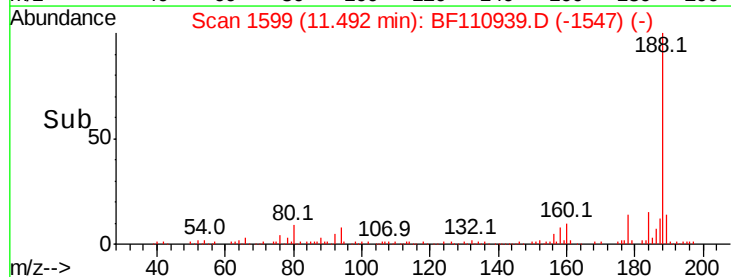
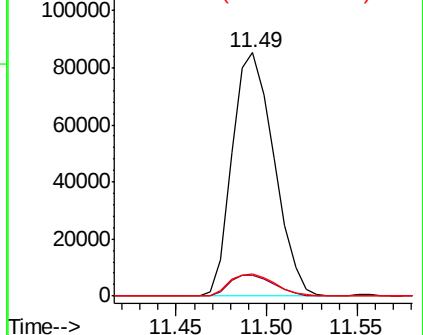
80 9.1 7.9 11.9

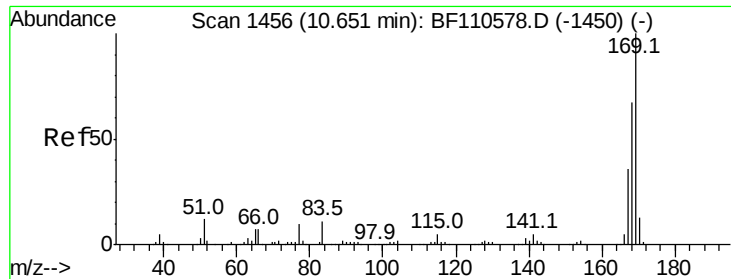


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





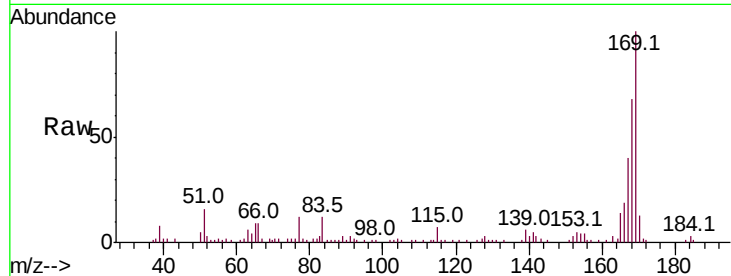
#66
n-Nitrosodiphenylamine
Concen: 10.546 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
169	100		
168	67.9	51.2	76.8
167	40.3	27.8	41.6

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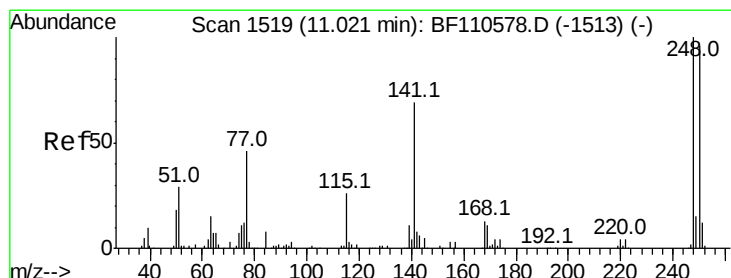
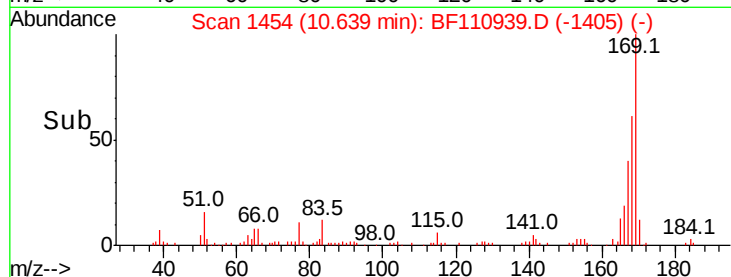
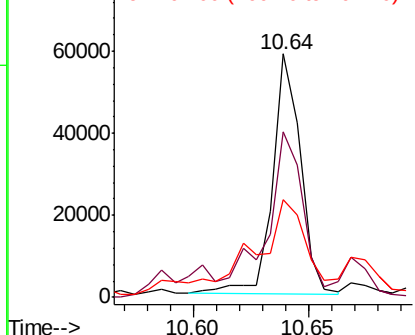


Abundance

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



#67
4-Bromophenyl-phenylether
Concen: 9.353 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

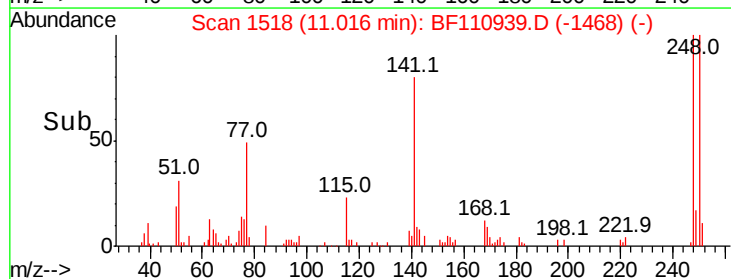
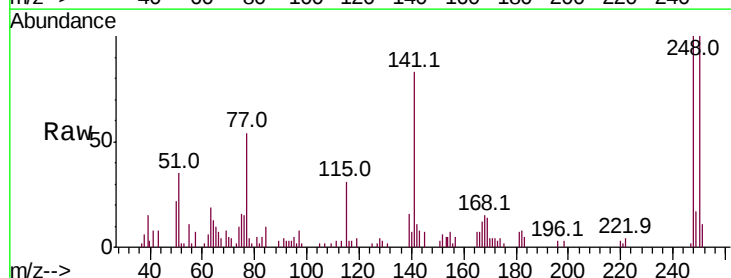
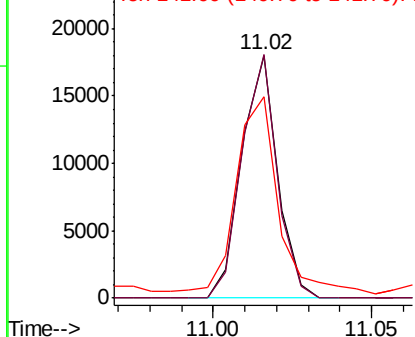
Tgt Ion	Ratio	Lower	Upper
248	100		
250	100.3	79.4	119.2
141	82.8	55.9	83.9

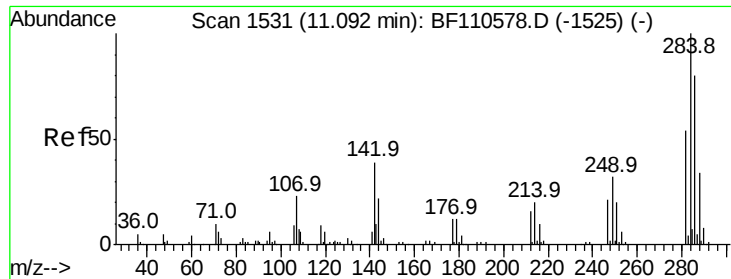
Abundance

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





#68

Hexachlorobenzene

Concen: 8.954 ng

RT: 11.10 min Scan# 1532

Delta R.T. 0.01 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Instrument :

BNA_F

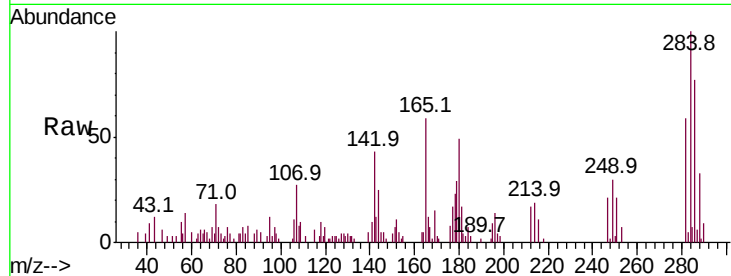
ClientSampleId :

DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
284	100		
142	43.3	23.9	35.9#
249	30.3	24.2	36.2

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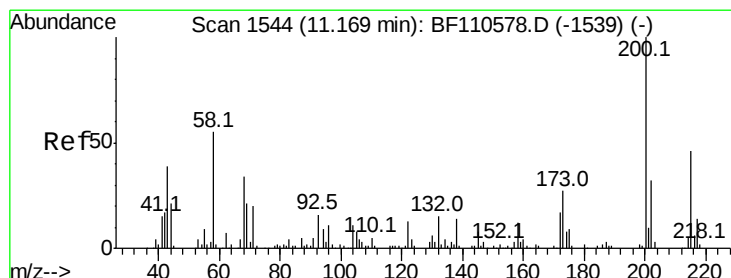
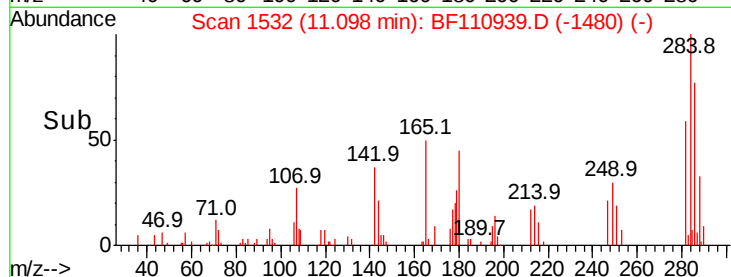
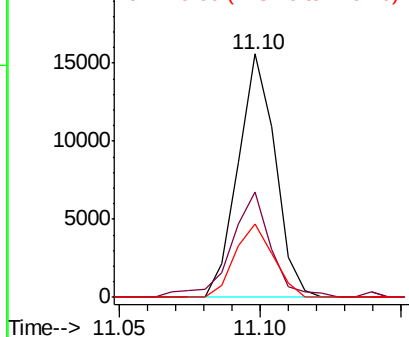


Abundance

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: 10.410 ng

RT: 11.17 min Scan# 1545

Delta R.T. 0.01 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

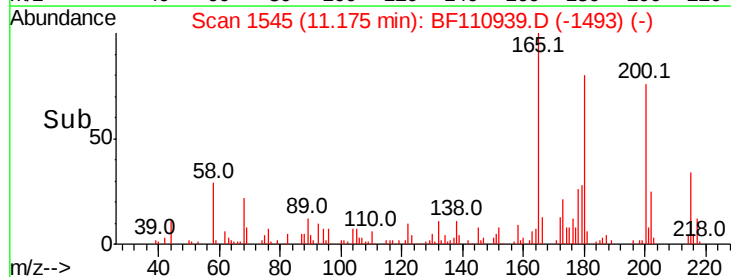
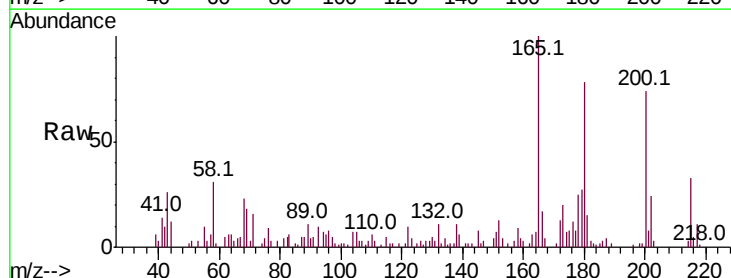
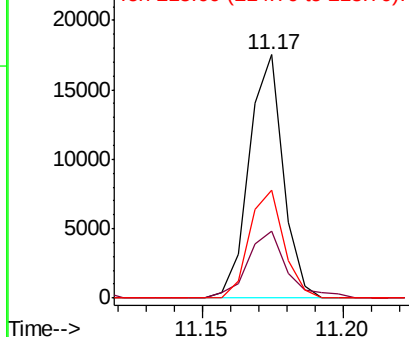
Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.7	6.6	46.6
215	44.3	26.3	66.3

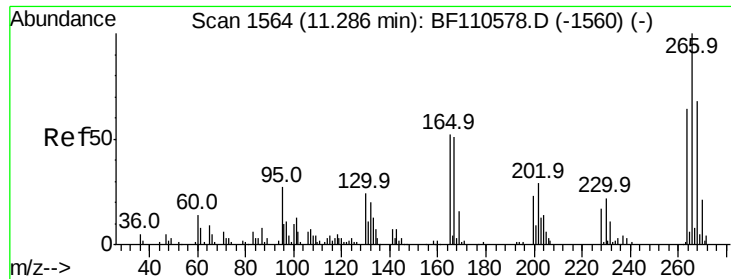
Abundance

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





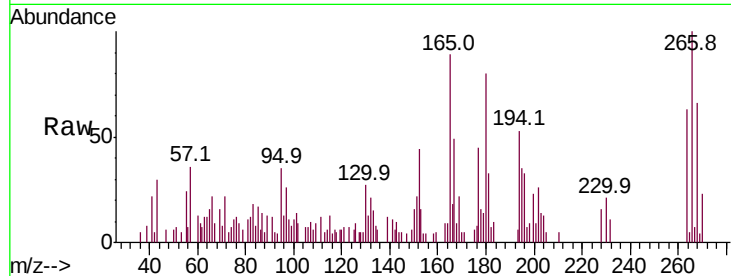
#70
 Pentachlorophenol
 Concen: 10.891 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. 0.02 min
 Lab File: BF110939.D
 Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
266	100		
268	66.4	50.6	75.8
264	63.5	50.6	75.8

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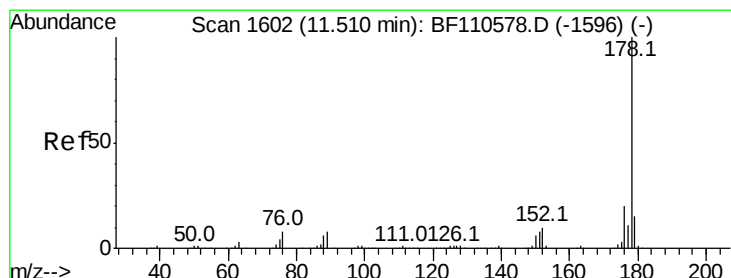
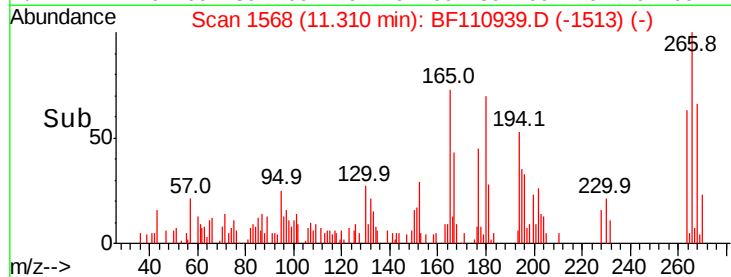
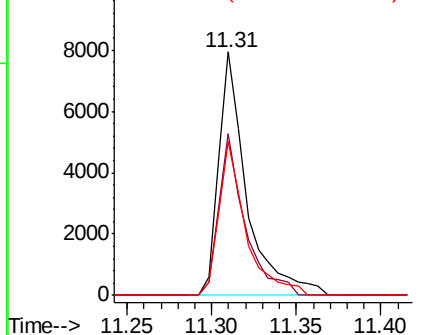


Abundance

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: 563.759 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. 0.03 min
 Lab File: BF110939.D
 Acq: 21 Nov 2018 20:16

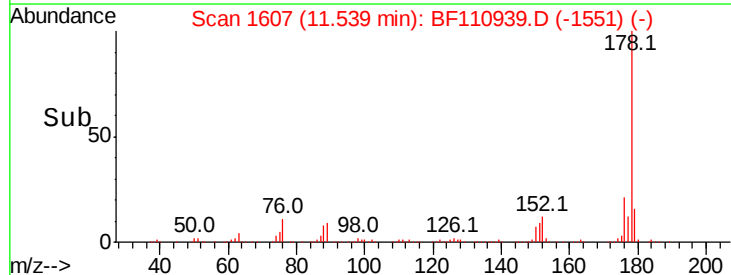
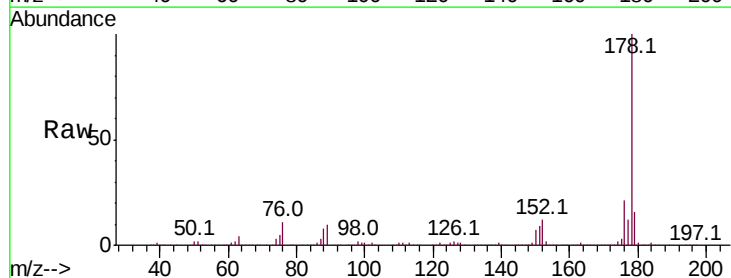
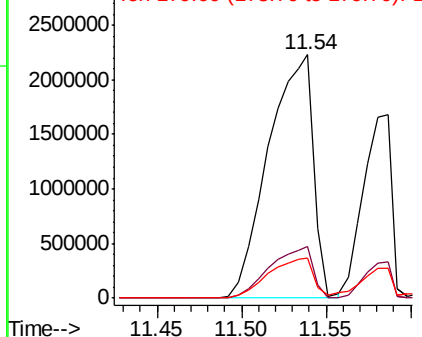
Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.0	15.5	23.3
179	16.3	12.5	18.7

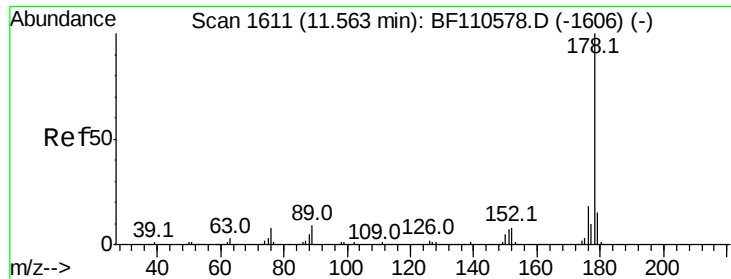
Abundance

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: 268.461 ng

RT: 11.59 min Scan# 1615

Delta R.T. 0.02 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Instrument :

BNA_F

ClientSampleId :

DTW-02(11-13)MSD

Tot Ion:178 Resp: 1980233

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

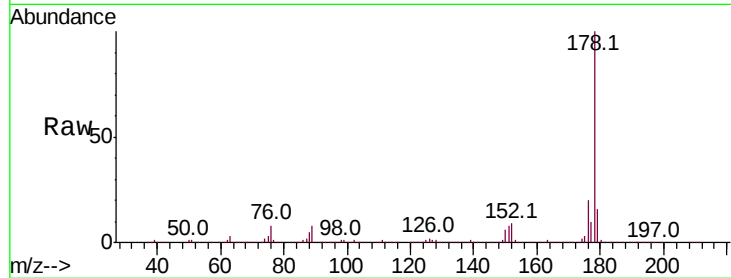
179 16.1 12.6 18.8

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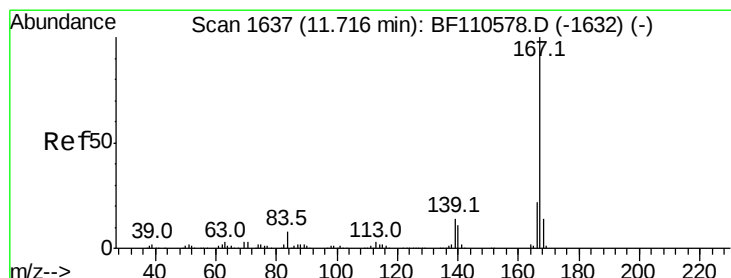
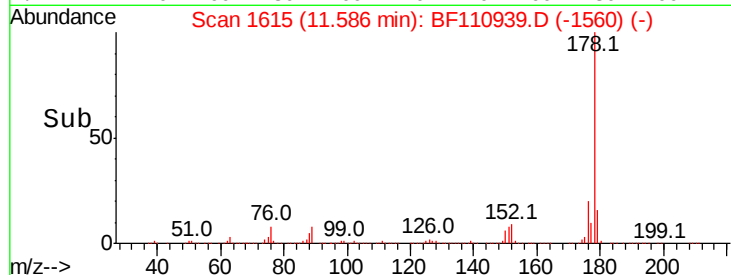
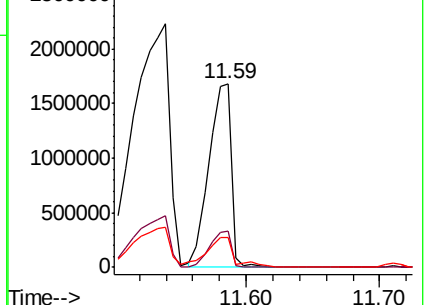
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 65.010 ng

RT: 11.72 min Scan# 1638

Delta R.T. 0.01 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

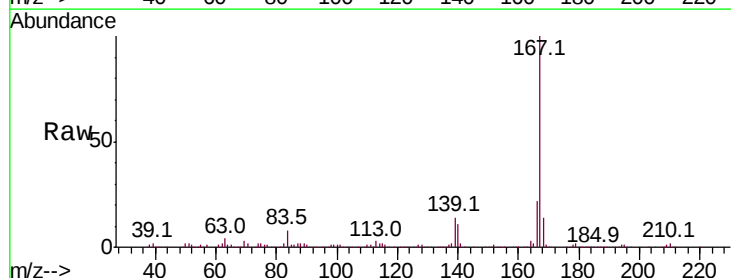
Tgt Ion:167 Resp: 460526

Ion Ratio Lower Upper

167 100

166 22.2 17.4 26.0

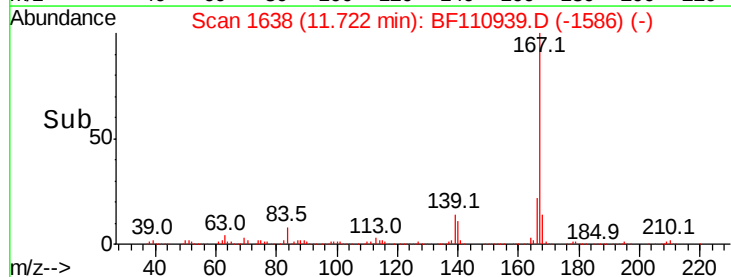
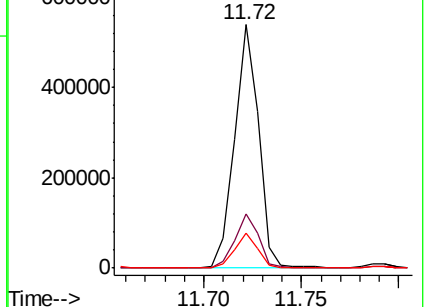
139 14.1 10.9 16.3

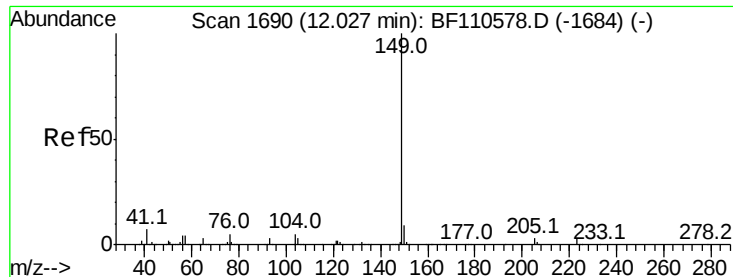


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





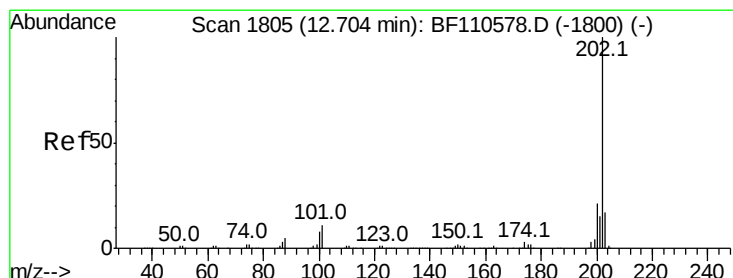
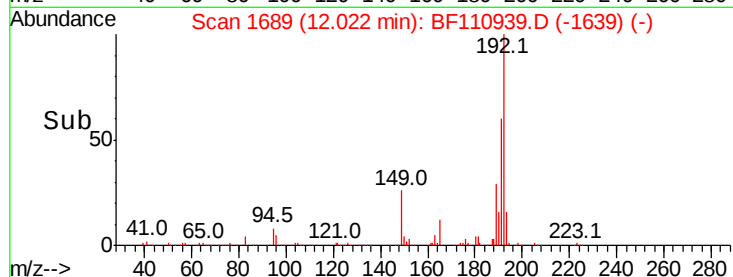
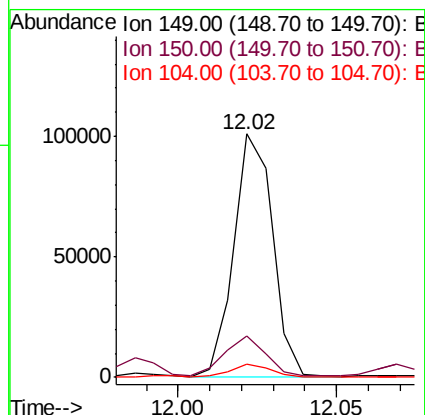
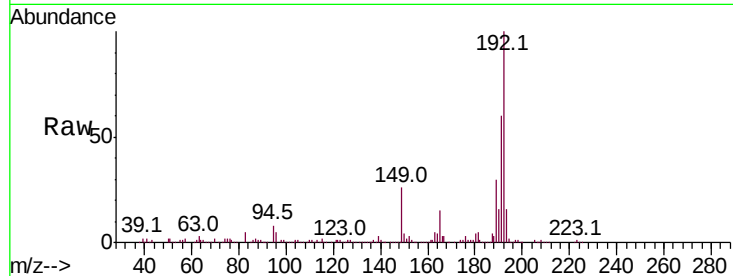
#74
Di-n-butylphthalate
Concen: 10.195 ng
RT: 12.02 min Scan# 1689
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
150	17.1	7.7	11.5	
104	5.4	4.2	6.4	

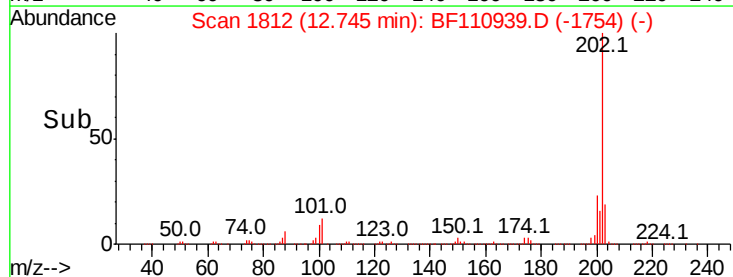
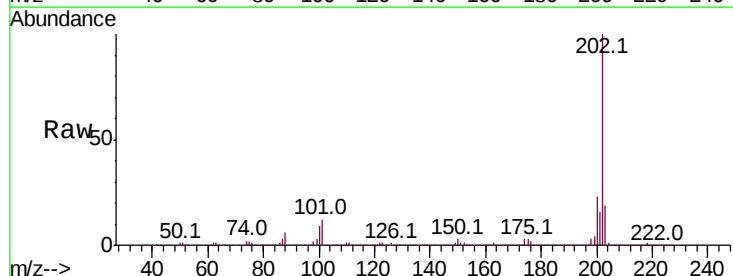
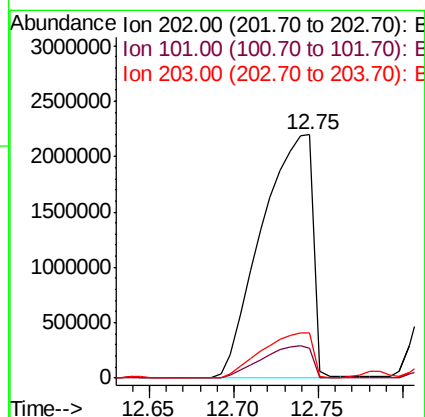
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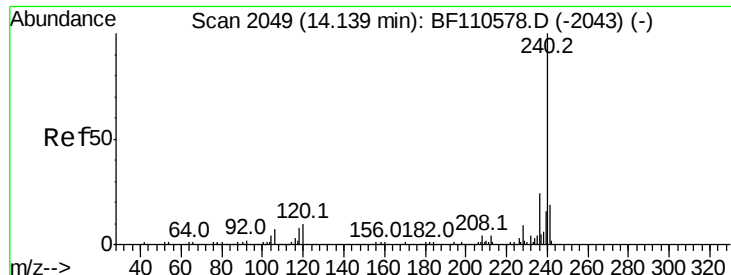
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#75
Fluoranthene
Concen: 632.151 ng
RT: 12.75 min Scan# 1812
Delta R.T. 0.04 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	12.3	0.0	31.4	
203	18.6	0.0	37.7	





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.02 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Instrument :

BNA_F

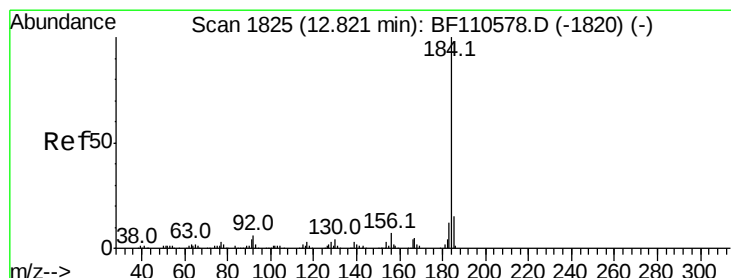
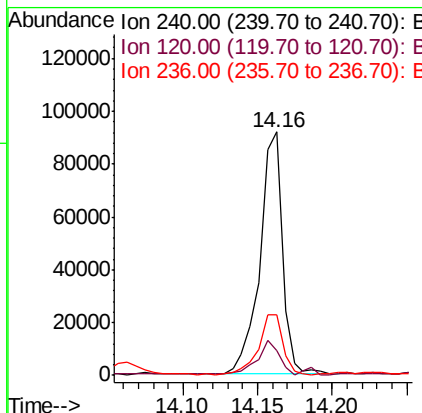
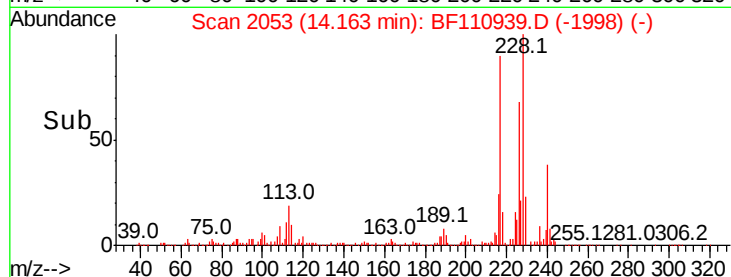
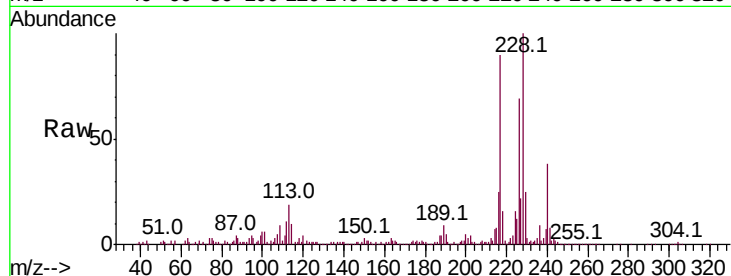
ClientSampleId :

DTW-02(11-13)MSD

Tot Ion:	240	Resp:	96329
Ion Ratio	Lower	Upper	
240	100		
120	10.0	8.3	12.5
236	24.9	21.2	31.8

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#77

Benzidine

Concen: 10.680 ng

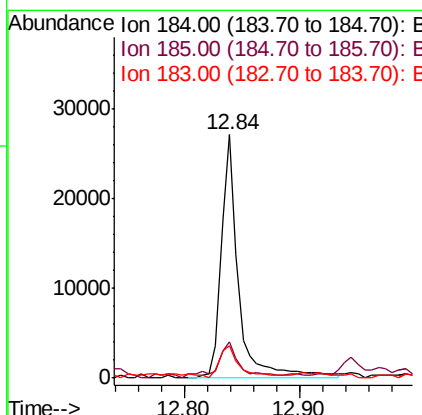
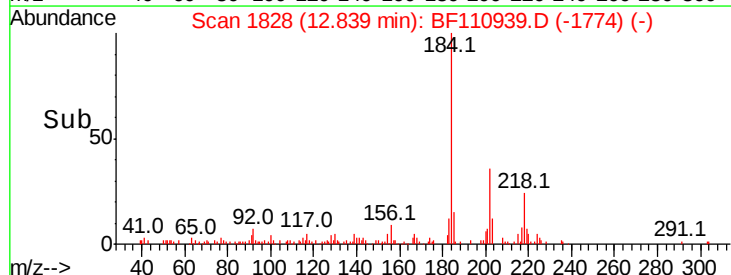
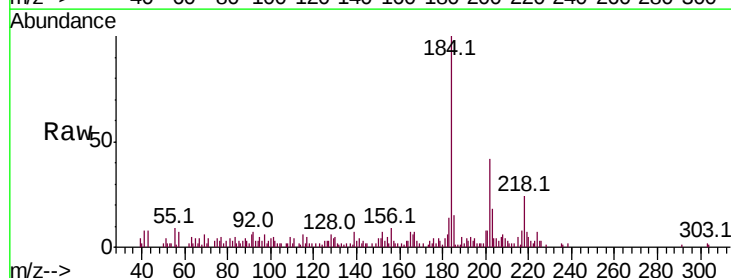
RT: 12.84 min Scan# 1828

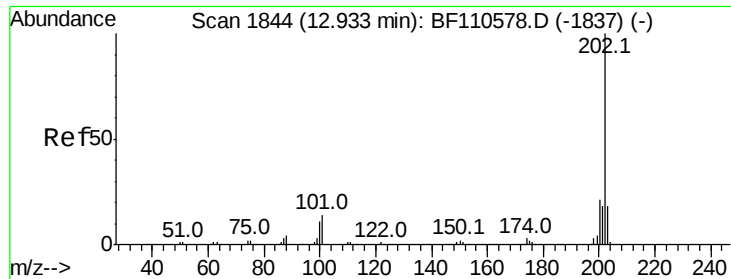
Delta R.T. 0.02 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Tgt Ion:	184	Resp:	28293
Ion Ratio	Lower	Upper	
184	100		
185	15.0	13.4	20.2
183	13.6	9.4	14.2





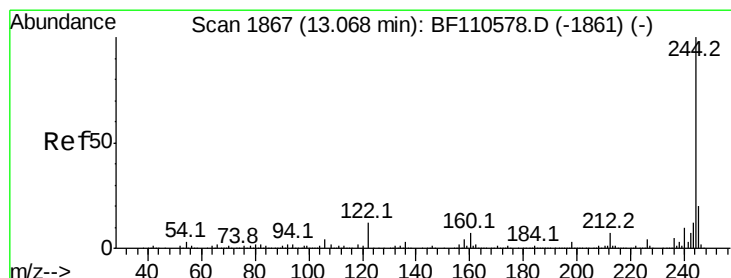
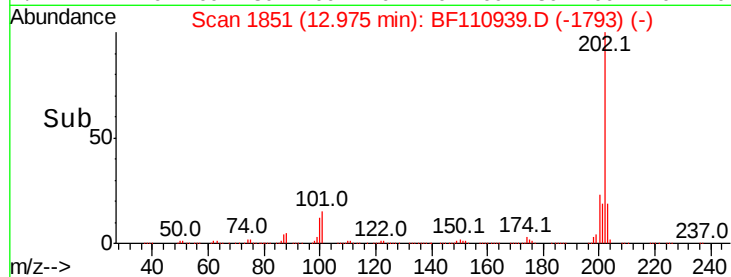
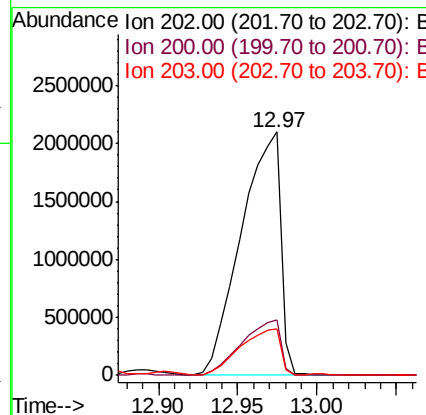
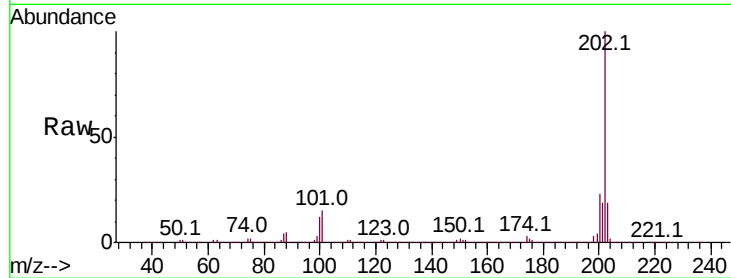
#78
Pvrene
Concen: 488.130 ng
RT: 12.97 min Scan# 1851
Delta R.T. 0.04 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion:202 Resp: 3620514
Ion Ratio Lower Upper
202 100
200 22.9 17.8 26.6
203 18.9 14.2 21.4

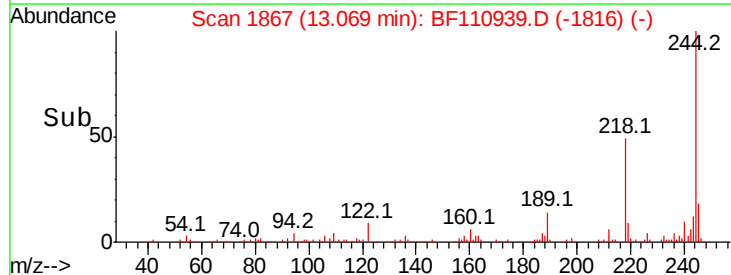
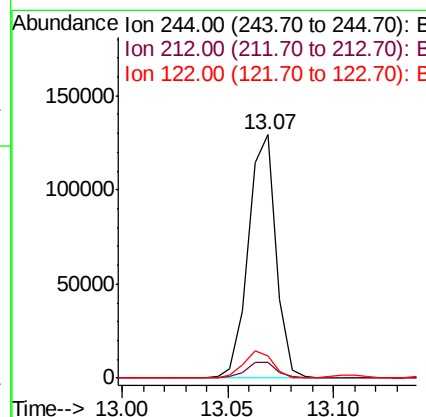
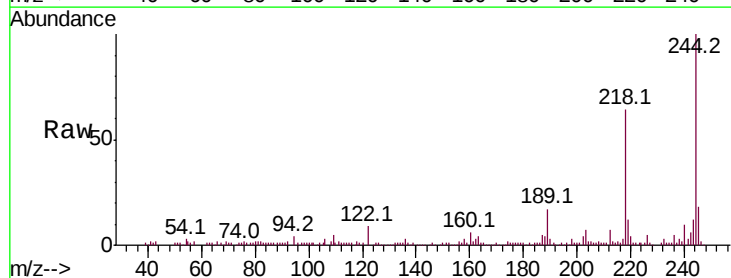
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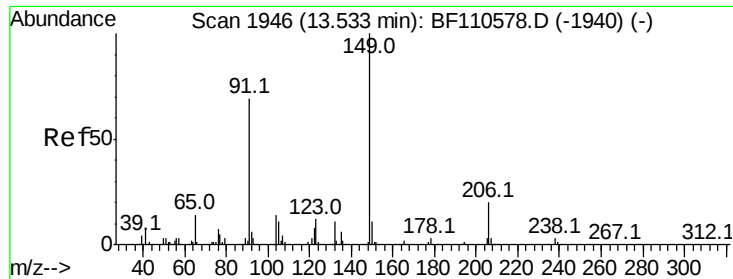
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#79
Terphenyl-d14
Concen: 22.809 ng
RT: 13.07 min Scan# 1867
Delta R.T. 0.00 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

Tgt Ion:244 Resp: 117324
Ion Ratio Lower Upper
244 100
212 6.5 5.8 8.8
122 9.4 8.7 13.1





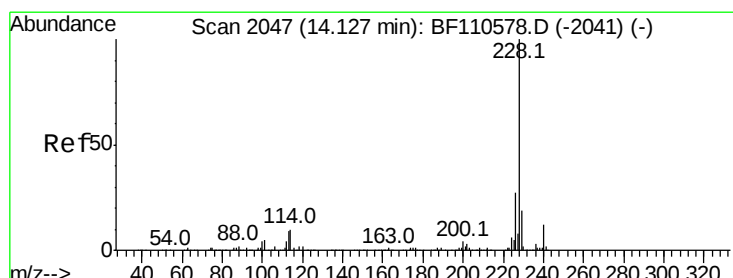
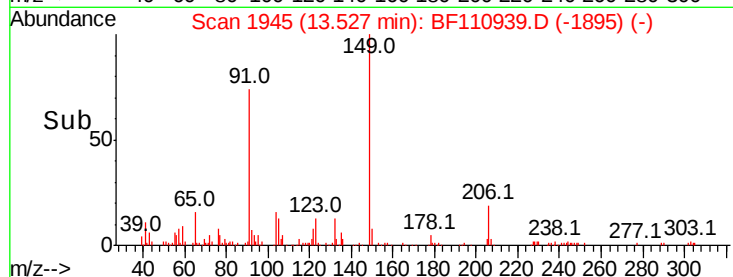
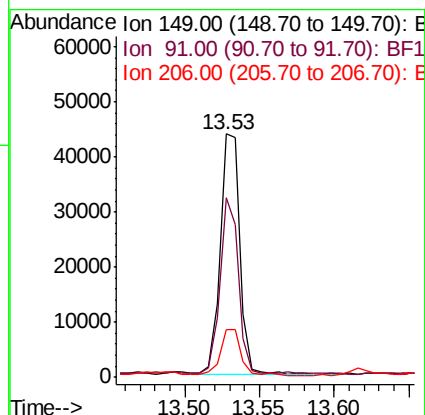
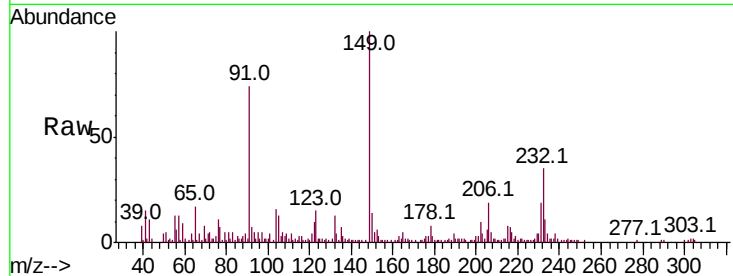
#80
Butylbenzylphthalate
Concen: 12.747 ng
RT: 13.53 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
149	100		
91	73.7	57.2	85.8
206	19.4	15.7	23.5

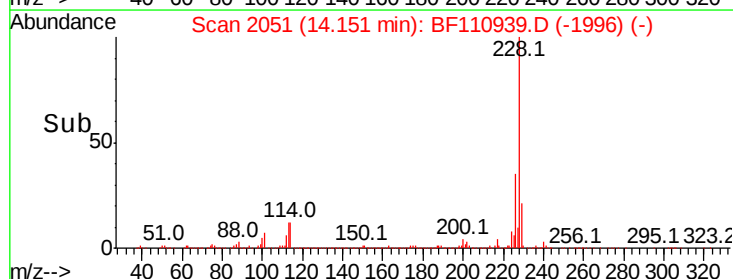
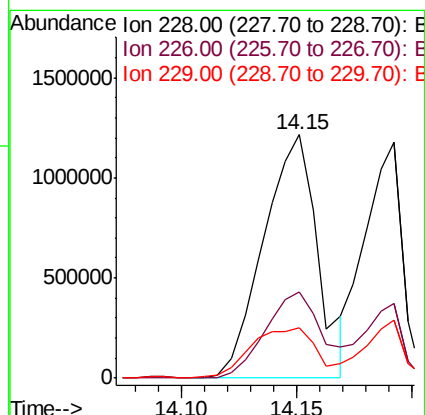
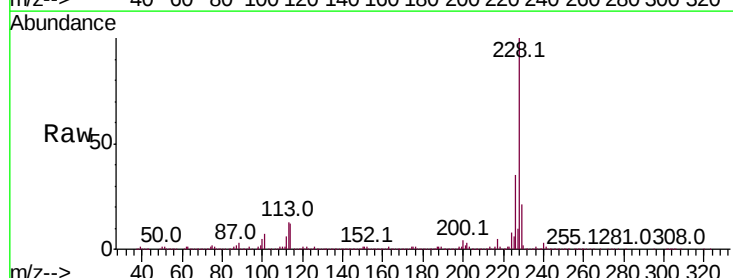
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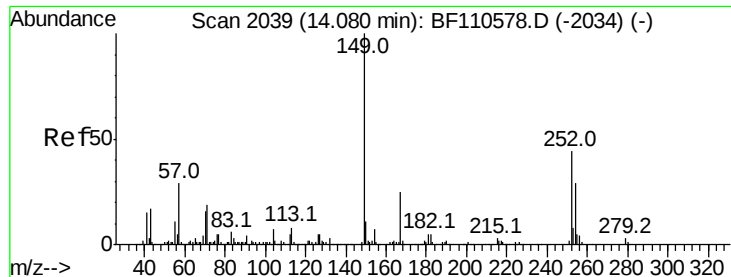
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#81
Benzo(a)anthracene
Concen: 340.815 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.02 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.5	22.1	33.1#
229	20.7	15.6	23.4





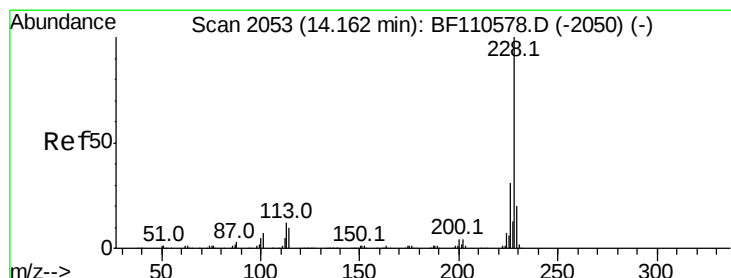
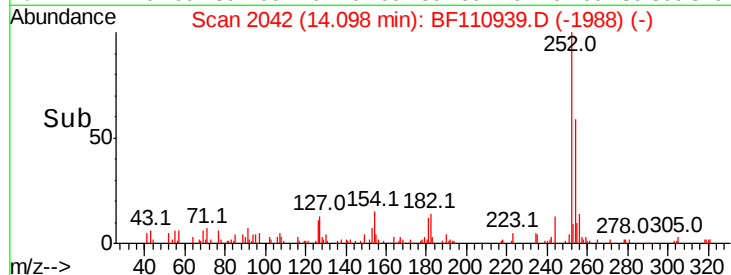
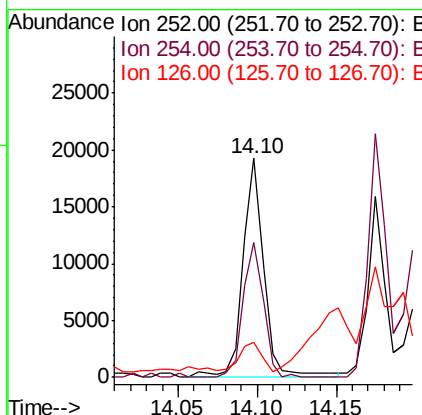
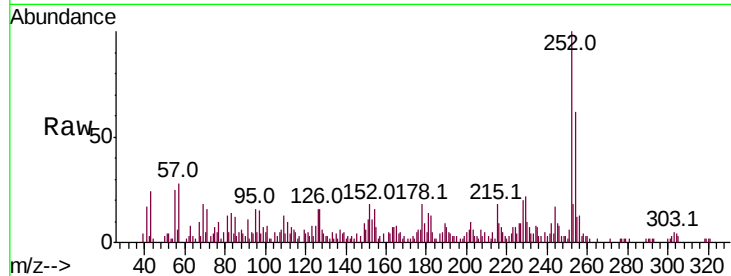
#82
 3,3'-Dichlorobenzidine
 Concen: 9.204 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. 0.02 min
 Lab File: BF110939.D
 Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
252	100		
254	61.8	51.3	76.9
126	16.0	9.4	14.2

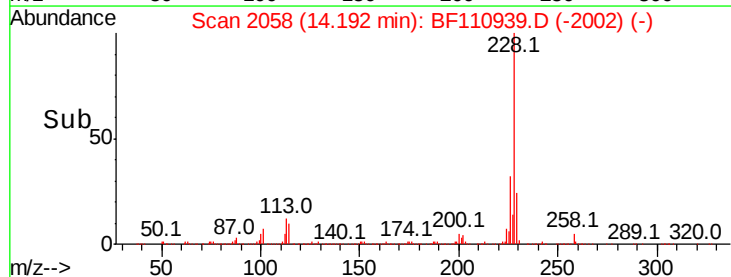
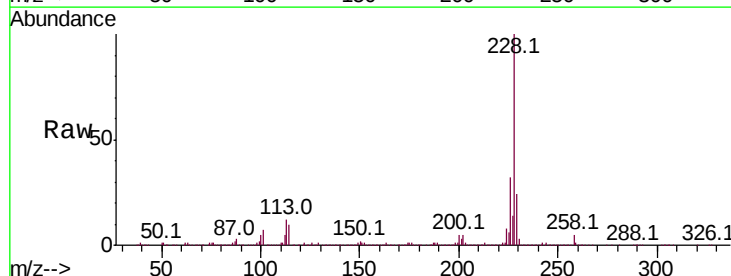
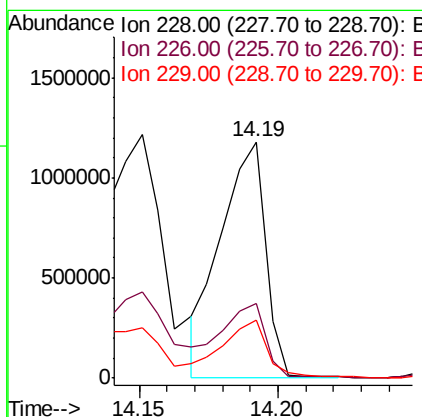
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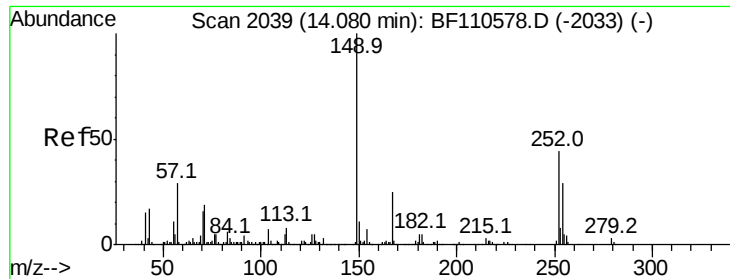
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#83
 Chrysene
 Concen: 242.347 ng m
 RT: 14.19 min Scan# 2058
 Delta R.T. 0.03 min
 Lab File: BF110939.D
 Acq: 21 Nov 2018 20:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.7	37.1
229	24.4	15.9	23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 14.682 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.00 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Instrument :

BNA_F

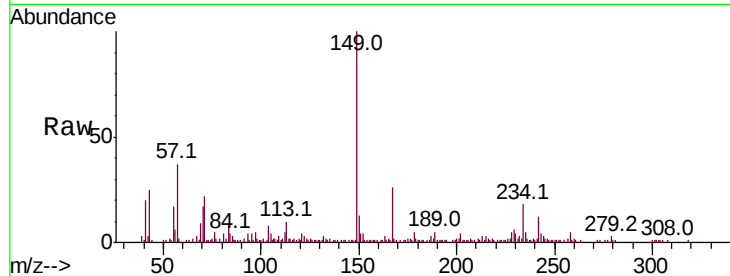
ClientSampleId :

DTW-02(11-13)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.2	19.8	29.8
279	3.3	2.7	4.1

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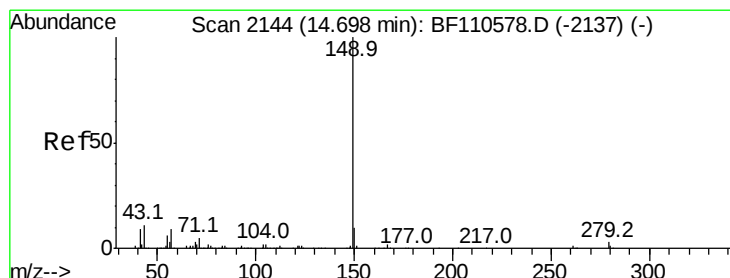
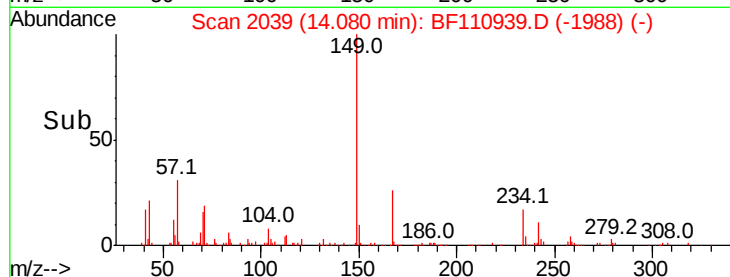
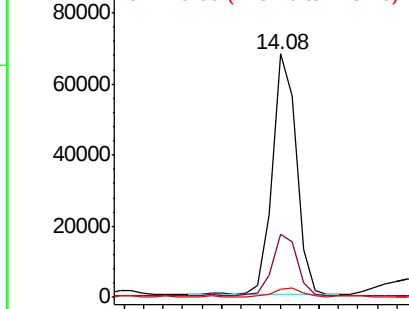
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 15.996 ng

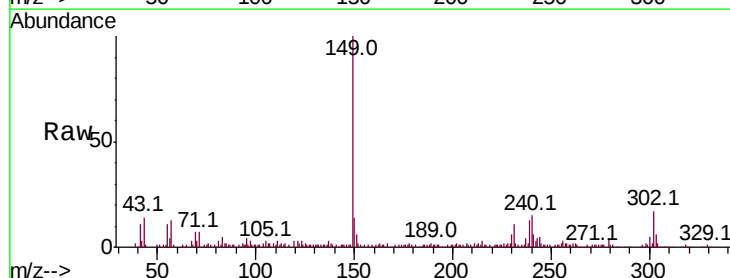
RT: 14.70 min Scan# 2144

Delta R.T. 0.00 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

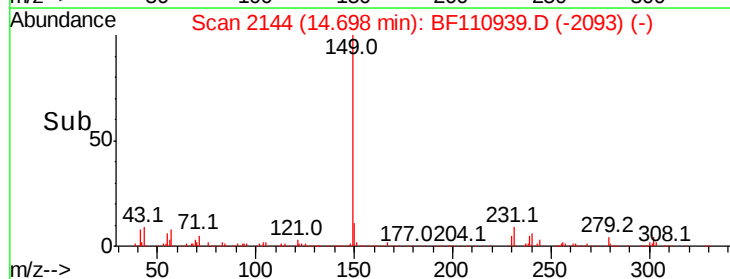
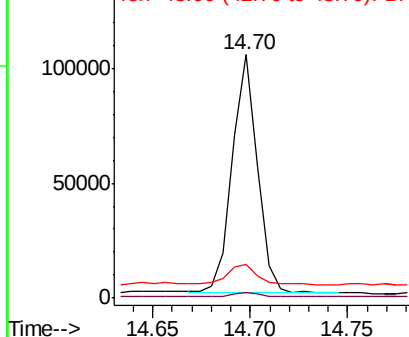
Tgt Ion	Ratio	Lower	Upper
149	100		
167	2.3	1.1	1.7#
43	10.0	7.8	11.8

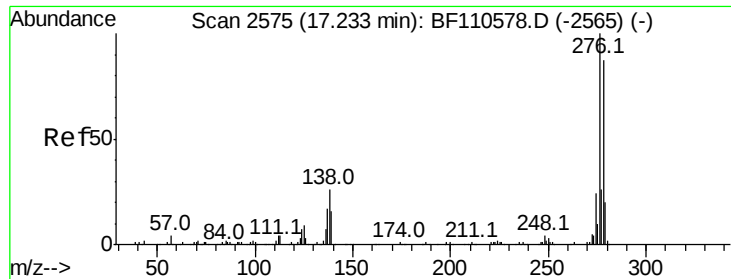


Abundance Ion 149.00 (148.70 to 149.70): E

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: 148.044 ng

RT: 17.30 min Scan# 2586

Delta R.T. 0.06 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Instrument :

BNA_F

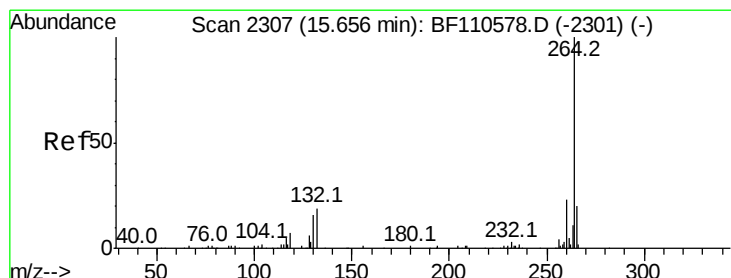
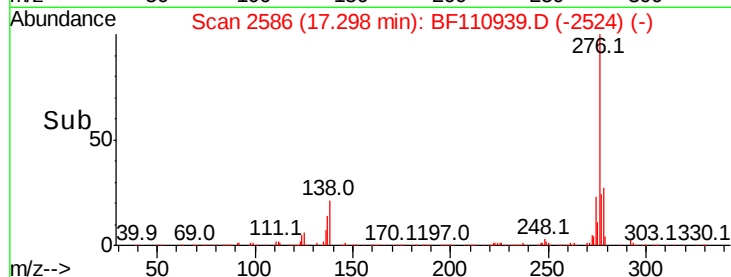
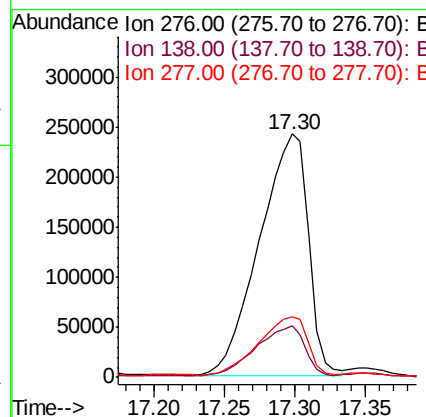
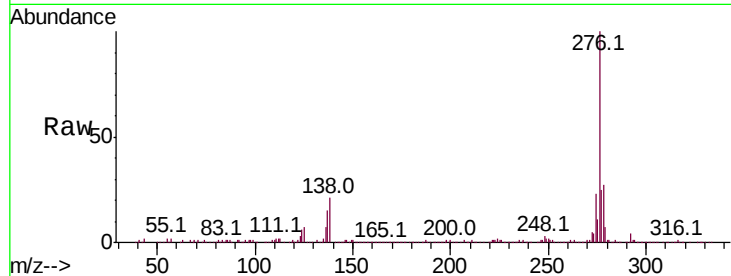
ClientSampleId :

DTW-02(11-13)MSD

Tot Ion:	276	Resp:	582739
Ion Ratio	Lower	Upper	
276	100		
138	20.6	18.5	27.7
277	24.2	20.0	30.0

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#87

Perylene-d12

Concen: 20.000 ng

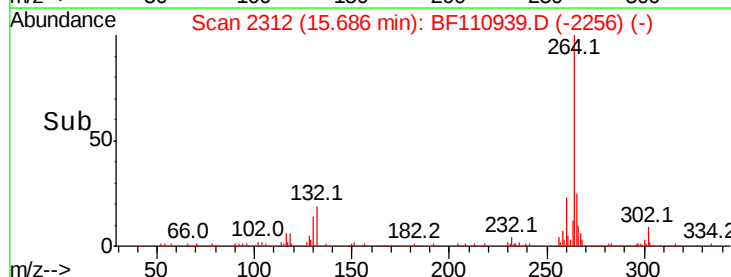
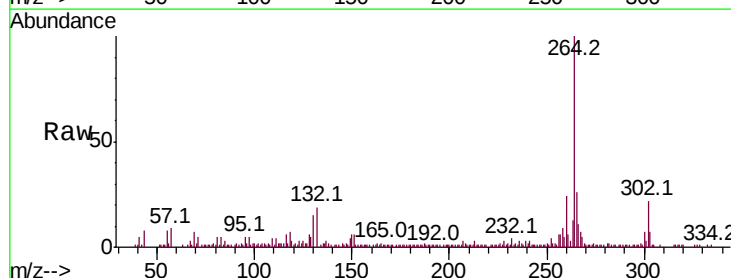
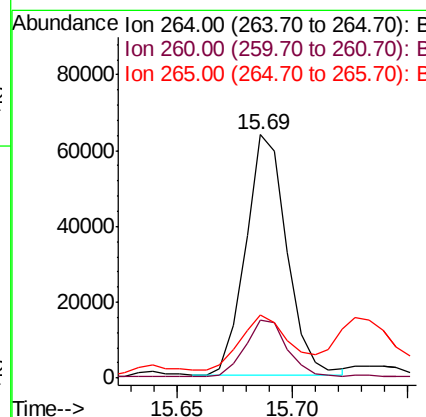
RT: 15.69 min Scan# 2312

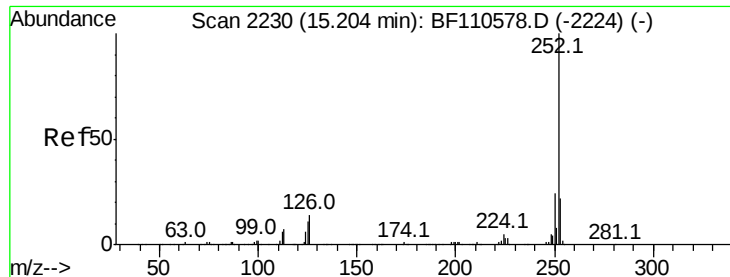
Delta R.T. 0.03 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Tgt Ion:	264	Resp:	78710
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.7	28.1
265	26.0	16.7	25.1#





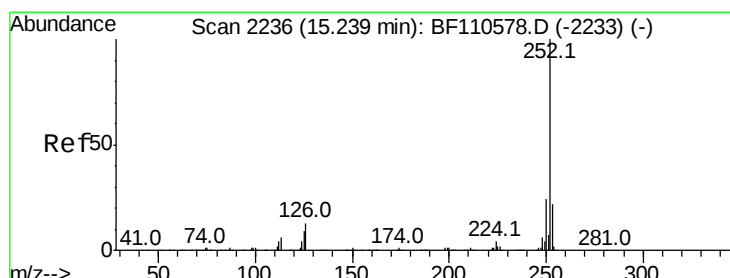
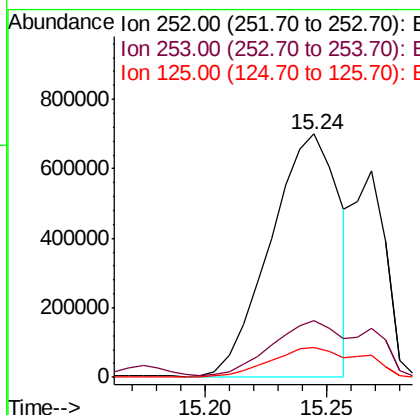
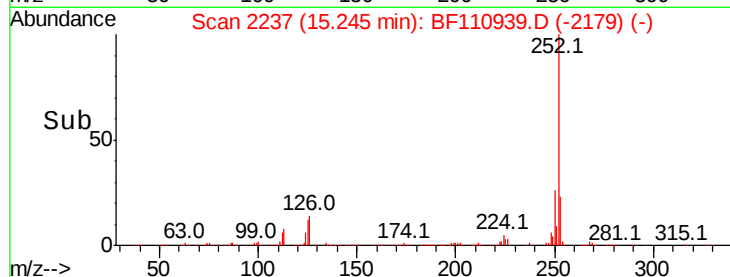
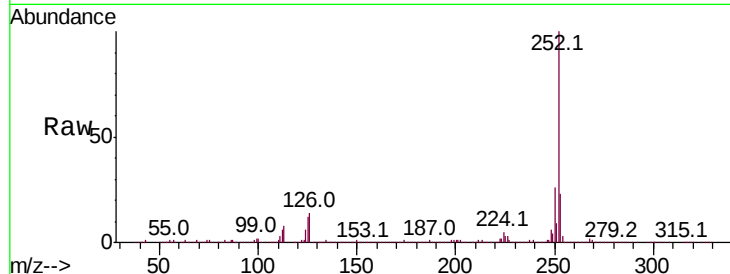
#88
Benzo(b)fluoranthene
Concen: 292.235 ng m
RT: 15.24 min Scan# 2237
Delta R.T. 0.04 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion:252 Resp: 1376047
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 12.2 8.2 12.4

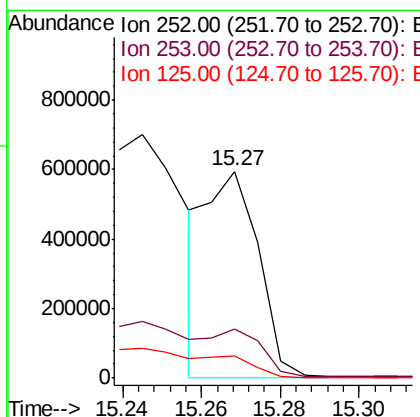
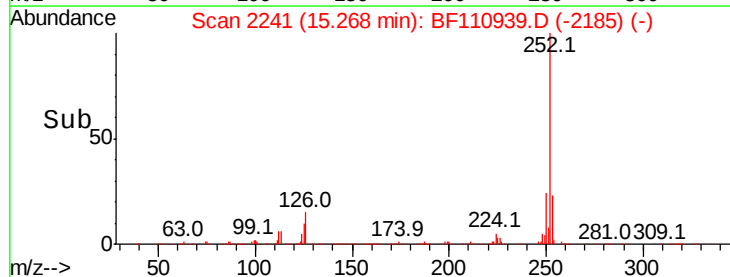
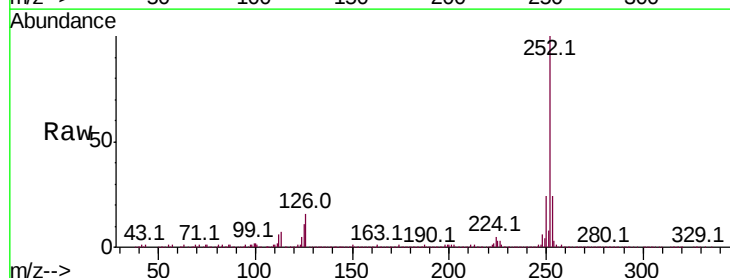
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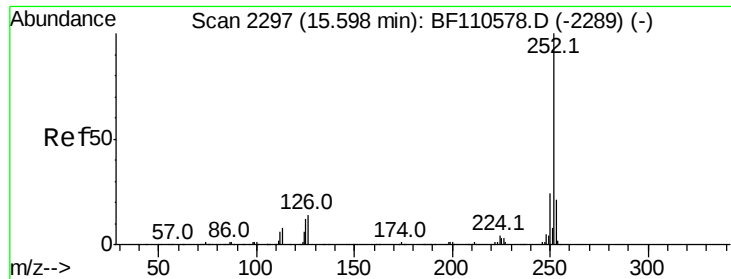
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#89
Benzo(k)fluoranthene
Concen: 117.857 ng m
RT: 15.27 min Scan# 2241
Delta R.T. 0.03 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

Tgt Ion:252 Resp: 548358
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 10.7 7.4 11.0





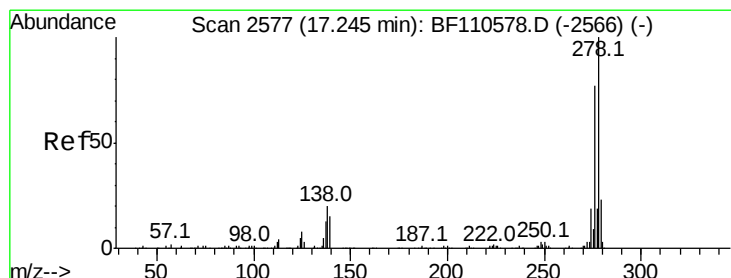
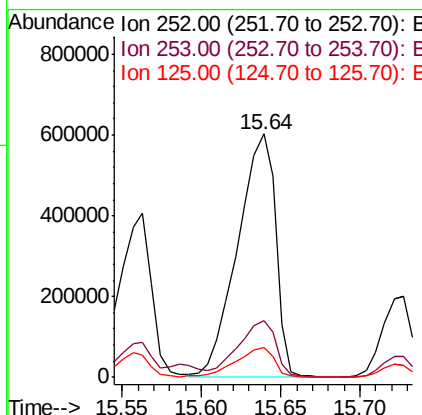
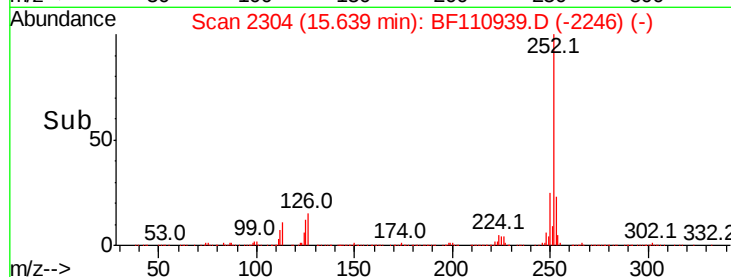
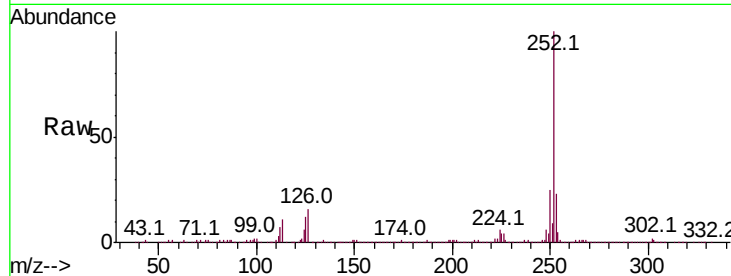
#90
Benzo(a)pyrene
Concen: 233.729 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.04 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.4
125	12.4	9.0	13.6

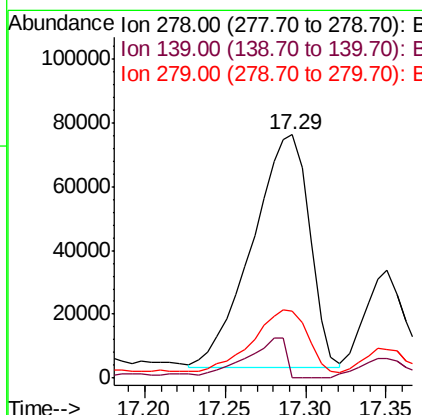
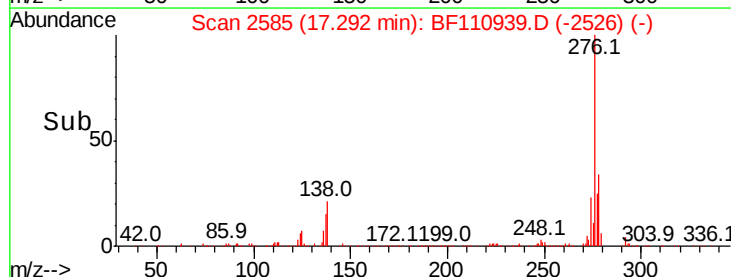
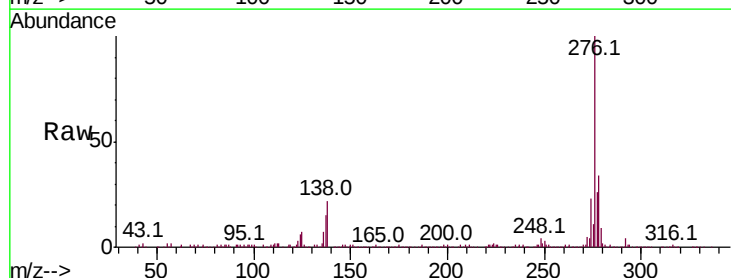
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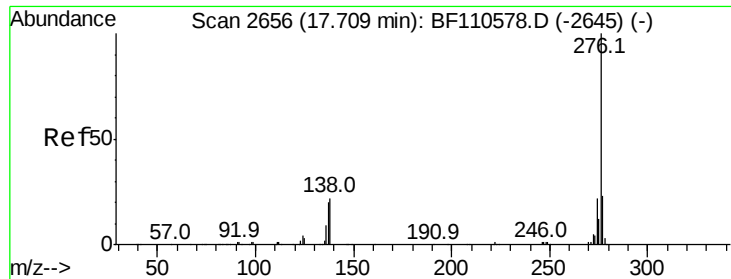
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#91
Dibenzo(a,h)anthracene
Concen: 49.814 ng m
RT: 17.29 min Scan# 2585
Delta R.T. 0.05 min
Lab File: BF110939.D
Acq: 21 Nov 2018 20:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	27.7	19.0	28.4





#92

Benzo(a,h,i)perylene

Concen: 135.828 ng

RT: 17.79 min Scan# 2669

Delta R.T. 0.08 min

Lab File: BF110939.D

Acq: 21 Nov 2018 20:16

Instrument :

BNA_F

ClientSampleId :

DTW-02(11-13)MSD

Tot Ion:	276	Resp:	487910
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.8	28.2
138	20.9	16.0	24.0

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