

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP021420\
 Data File : BP001748.D
 Acq On : 14 Feb 2020 16:39
 Operator : CG/JU
 Sample : K5695-08
 Misc : MDL-WATER-01
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleID :
 MDL-WATER-01

Manual Integrations
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Quant Time: Feb 15 05:31:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP021320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Feb 15 04:45:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	182390	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	885870	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.33	164	611460	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.09	188	1389332	20.00	ng/ul	0.00
78) Chrysene-d12	21.17	240	1563388	20.00	ng/ul	0.00
86) Perylene-d12	23.42	264	1768423	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	20973	5.49	ng/uL	0.00
5) Phenol-d5	6.88	99	500956	32.44	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	351794	38.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	394041	34.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	422149	33.34	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	258325	37.91	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	156425	29.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	407155	32.48	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	714944	45.28	ng/ul	0.00
44) Dimethylphthalate-d6	13.75	166	1703462	38.72	ng/ul	0.00
47) Acenaphthylene-d8	14.03	160	2215201	39.88	ng/ul	0.00
52) 4-Nitrophenol-d4	14.53	143	207205	25.38	ng/ul	0.00
58) Fluorene-d10	15.33	176	1541867	38.68	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	117214	20.94	ng/ul	0.00
71) Anthracene-d10	17.19	188	2484810	39.35	ng/ul	0.00
79) Pyrene-d10	19.43	212	2890960	38.99	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.27	264	3221959	38.49	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.28	88	3862	0.92	ng/uL#	82
4) Benzaldehyde	6.85	77	48961	4.87	ng/ul	98
6) Phenol	6.90	94	59327	3.59	ng/ul	92
8) Bis(2-Chloroethyl)ether	7.14	93	56537	4.32	ng/ul	97
10) 2-Chlorophenol	7.28	128	45335	3.77	ng/ul	96
11) 2-Methylphenol	8.15	108	41591	3.26	ng/ul	96
12) 2,2'-oxybis(1-Chloropropan	8.25	45	73213	4.36	ng/ul	99
14) Acetophenone	8.52	105	91520	4.38	ng/ul	97
15) N-Nitroso-di-n-propylamine	8.51	70	43387	4.17	ng/ul	97
16) 4-Methylphenol	8.47	108	49510	3.51	ng/ul	96
17) Hexachloroethane	8.79	117	22762	4.35	ng/ul	94
20) Nitrobenzene	8.89	77	70884	4.28	ng/ul	99
21) Isophorone	9.42	82	120822	3.84	ng/ul	100
23) 2-Nitrophenol	9.60	139	19788	3.10	ng/ul	96
24) 2,4-Dimethylphenol	9.67	107	50452	3.40	ng/ul	94
25) Bis(2-Chloroethoxy)methane	9.90	93	81403	4.13	ng/ul	100
27) 2,4-Dichlorophenol	10.13	162	46251	3.59	ng/ul	89
28) Naphthalene	10.53	128	198612	4.15	ng/ul	99
30) 4-Chloroaniline	10.63	127	74020	4.61	ng/ul	95
31) Hexachlorobutadiene	10.83	225	36932	4.12	ng/ul	95
32) Caprolactam	11.40	113	13010m	2.74	ng/ul	
33) 4-Chloro-3-methylphenol	11.76	107	38660	2.91	ng/ul	98
34) 2-Methylnaphthalene	12.15	142	142659	4.15	ng/ul	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.37	142	151887	4.45	ng/ul	100
37) 1,2,4,5-Tetrachlorobenzene	12.52	216	77414	4.05	ng/ul	98
38) Hexachlorocyclopentadiene	12.51	237	34728	3.05	ng/ul	97
39) 2,4,6-Trichlorophenol	12.76	196	24149	2.48	ng/ul	95
40) 2,4,5-Trichlorophenol	12.83	196	25073	2.29	ng/ul	97
41) 1,1'-Biphenyl	13.17	154	195110	4.16	ng/ul	99
42) 2-Chloronaphthalene	13.20	162	153329	4.13	ng/ul	97
43) 2-Nitroaniline	13.40	65	26294	2.86	ng/ul	97
45) Dimethylphthalate	13.80	163	189390	4.08	ng/ul	100
46) 2,6-Dinitrotoluene	13.90	165	27787	3.09	ng/ul#	88
48) Acenaphthylene	14.05	152	255731	4.27	ng/ul	100
49) 3-Nitroaniline	14.23	138	27443	3.15	ng/ul	96
50) Acenaphthene	14.40	153	165587	4.12	ng/ul	97
51) 2,4-Dinitrophenol	14.43	184	5042	1.55	ng/ul	98
53) 4-Nitrophenol	14.54	109	19443	3.05	ng/ul	90
54) Dibenzofuran	14.73	168	243775	4.30	ng/ul	100
55) 2,4-Dinitrotoluene	14.69	165	43302	3.27	ng/ul	93
56) 2,3,4,6-Tetrachlorophenol	14.96	232	22924	2.46	ng/ul	96
57) Diethylphthalate	15.17	149	163272	3.61	ng/ul	98
59) Fluorene	15.39	166	200469	4.26	ng/ul	100
60) 4-Chlorophenyl-phenylether	15.39	204	102847	4.32	ng/ul	96
61) 4-Nitroaniline	15.39	138	31207	2.95	ng/ul	97
64) 4,6-Dinitro-2-methylphenol	15.46	198	15126	2.39	ng/ul#	58
65) N-Nitrosodiphenylamine	15.60	169	152221	3.87	ng/ul	98
66) 4-Bromophenyl-phenylether	16.29	248	57242	3.87	ng/ul	97
67) Hexachlorobenzene	16.40	284	72716	4.16	ng/ul	99
68) Atrazine	16.56	200	39614	2.69	ng/ul	98
69) Pentachlorophenol	16.74	266	14209m	1.68	ng/ul	
70) Phenanthrene	17.13	178	330828	4.23	ng/ul	99
72) Anthracene	17.22	178	334037	4.25	ng/ul	100
73) 1,2,3,4-Tetrachlorobenzene	13.13	216	88007	4.21	ng/uL	98
74) Pentachlorobenzene	14.66	250	83940	3.95	ng/uL	98
75) Carbazole	17.49	167	239958	3.61	ng/ul	99
76) Di-n-butylphthalate	18.07	149	186612	2.67	ng/ul	98
77) Fluoranthene	19.10	202	351111	4.07	ng/ul	98
80) Pyrene	19.45	202	428808	4.26	ng/ul	99
81) Butylbenzylphthalate	20.35	149	50132	1.68	ng/ul	96
82) 3,3'-Dichlorobenzidine	21.10	252	52270	1.71	ng/ul	94
83) Benzo(a)anthracene	21.16	228	390254	3.81	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.12	149	120241	2.46	ng/ul	100
85) Chrysene	21.21	228	409561	4.14	ng/ul	98
87) Di-n-octyl phthalate	22.00	149	156284	1.98	ng/ul	100
88) Benzo(b)fluoranthene	22.75	252	356193	3.48	ng/ul	99
89) Benzo(k)fluoranthene	22.79	252	429754	4.16	ng/ul	98
91) Benzo(a)pyrene	23.32	252	398447	4.10	ng/ul	100
92) Indeno(1,2,3-cd)pyrene	25.68	276	441625	3.47	ng/ul	99
93) Dibenzo(a,h)anthracene	25.69	278	371541	3.50	ng/ul	98
94) Benzo(g,h,i)perylene	26.36	276	376814	3.48	ng/ul	99

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MDL-WATER-01

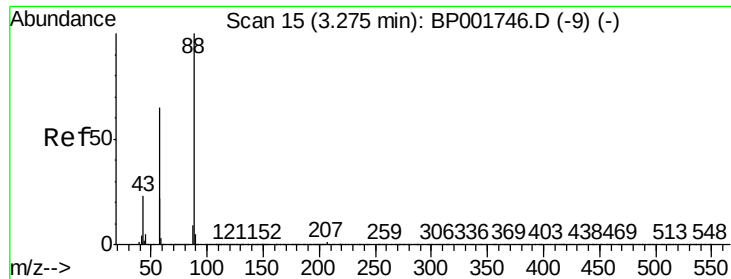
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

1,4-Dioxane

Concen: 0.92 ng/uL

RT: 3.28 min Scan# 15

Delta R.T. 0.00 min

Lab File: BP001748.D

Acq: 14 Feb 2020 16:39

Instrument :

BNA_P

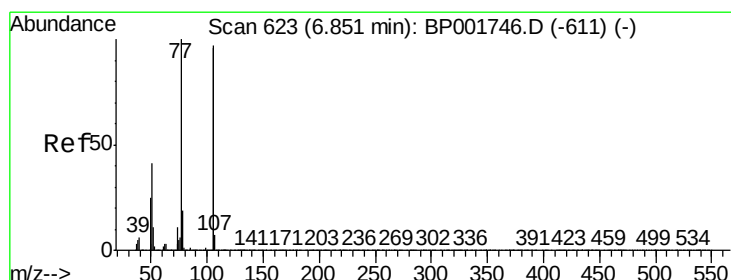
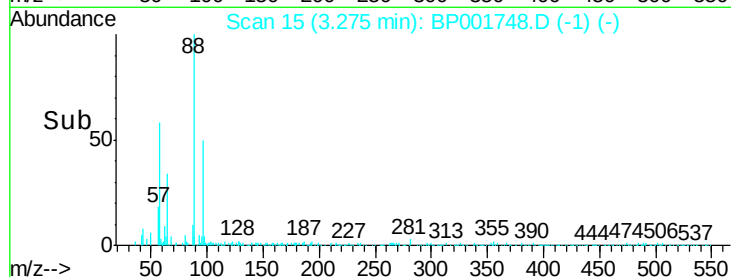
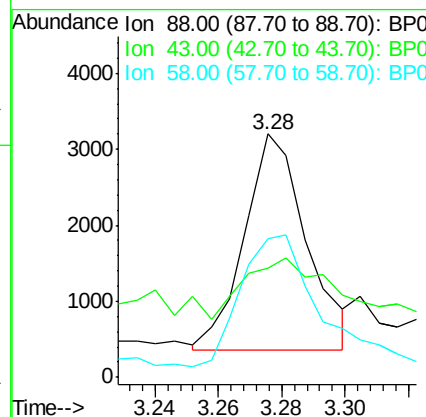
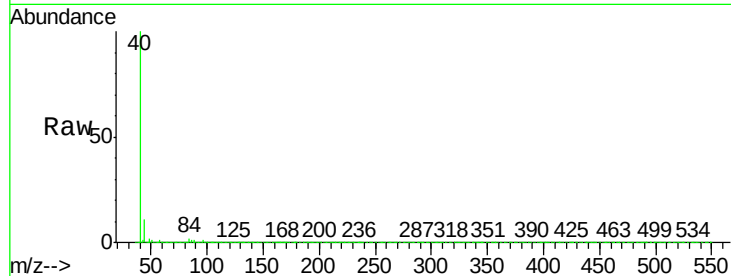
ClientSampleId :

MDL-WATER-01

Tgt Ion:	88	Resp:	3862
Ion Ratio	Lower	Upper	
88	100		
43	45.0	23.0	34.6#
58	56.8	53.1	79.7

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#4

Benzaldehyde

Concen: 4.87 ng/uL

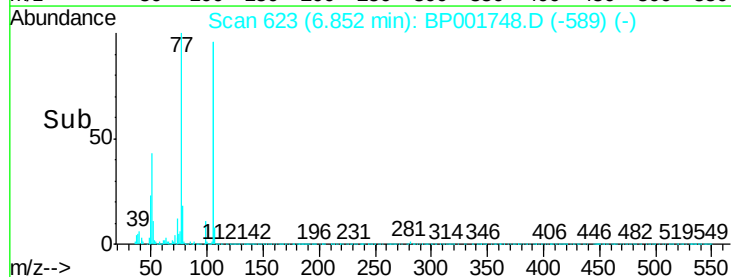
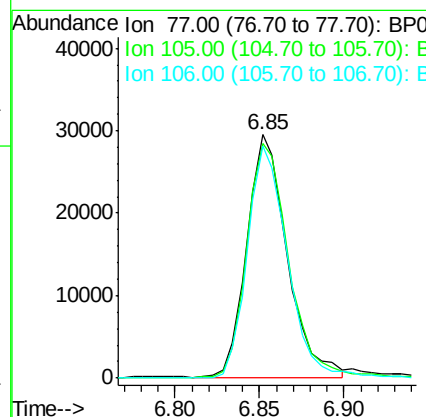
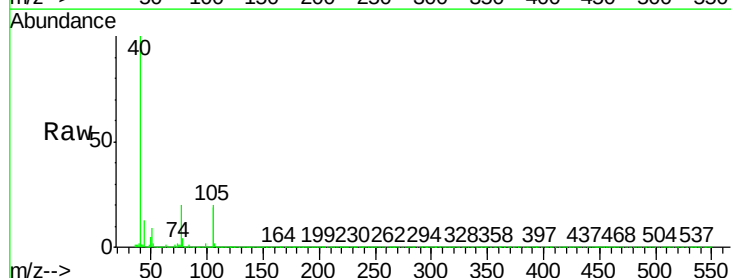
RT: 6.85 min Scan# 623

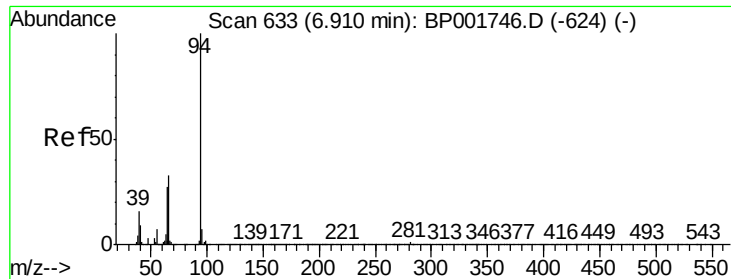
Delta R.T. 0.00 min

Lab File: BP001748.D

Acq: 14 Feb 2020 16:39

Tgt Ion:	77	Resp:	48961
Ion Ratio	Lower	Upper	
77	100		
105	96.2	79.3	118.9
106	95.4	77.0	115.4





#6

Phenol

Concen: 3.59 ng/ul

RT: 6.90 min Scan# 632

Delta R.T. -0.01 min

Lab File: BP001748.D

Acq: 14 Feb 2020 16:39

Instrument :

BNA_P

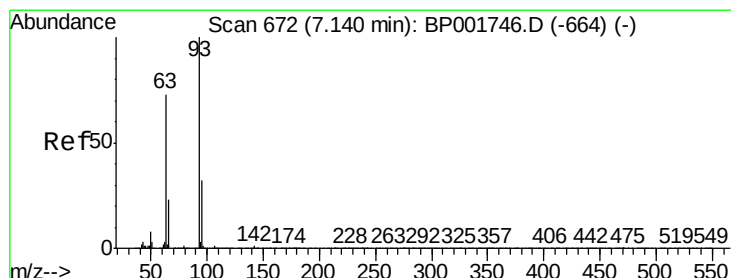
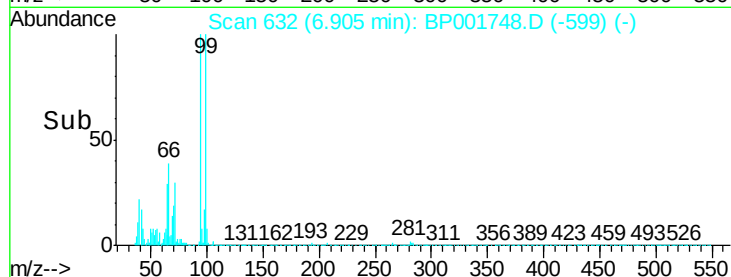
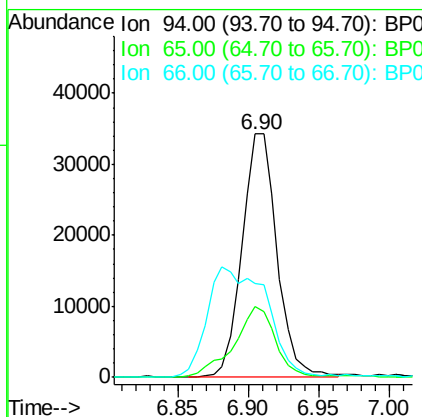
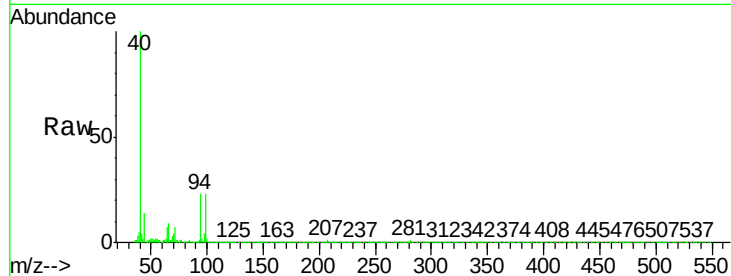
ClientSampleId :

MDL-WATER-01

Tgt Ion:	94	Resp:	59327
Ion Ratio	Lower	Upper	
94	100		
65	28.8	20.7	31.1
66	38.7	26.9	40.3

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#8

Bis(2-Chloroethyl)ether

Concen: 4.32 ng/ul

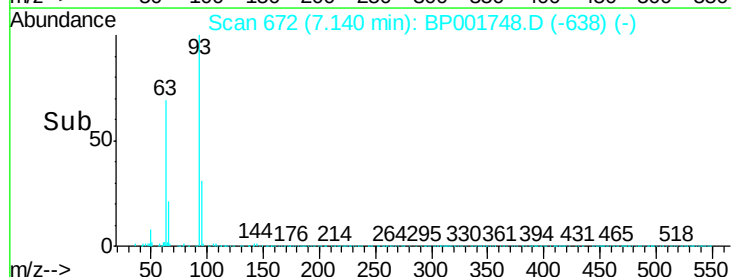
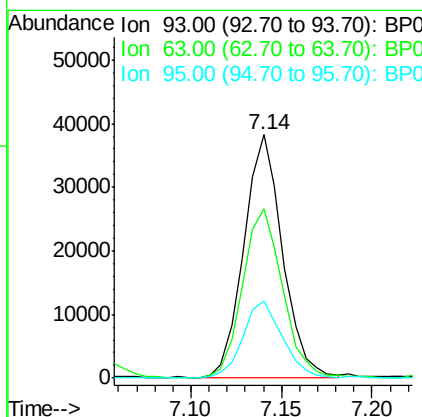
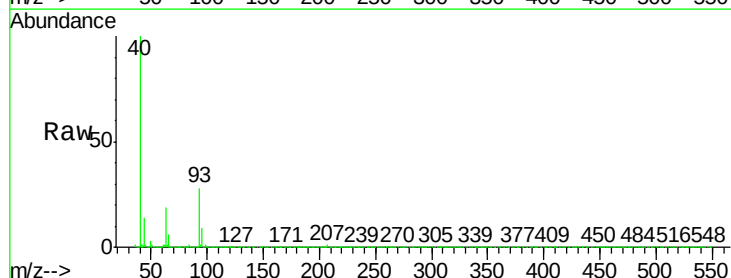
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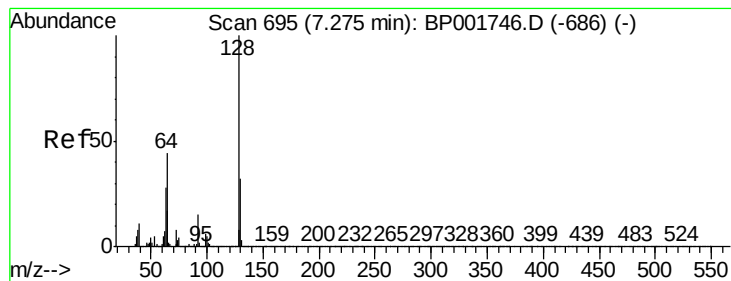
Delta R.T. 0.00 min

Lab File: BP001748.D

Acq: 14 Feb 2020 16:39

Tgt Ion:	93	Resp:	56537
Ion Ratio	Lower	Upper	
93	100		
63	69.4	58.1	87.1
95	31.7	26.0	39.0





#10

2-Chlorophenol

Concen: 3.77 ng/ul

RT: 7.28 min Scan# 695

Delta R.T. 0.00 min

Lab File: BP001748.D

Acq: 14 Feb 2020 16:39

Instrument :

BNA_P

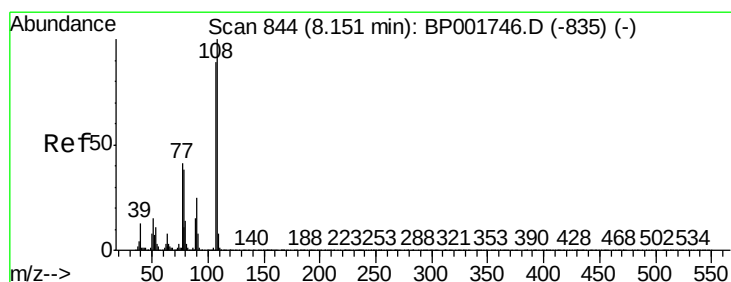
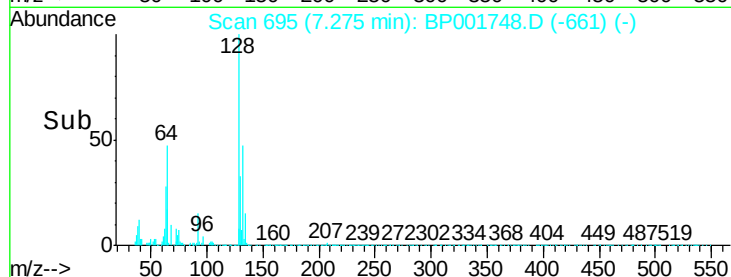
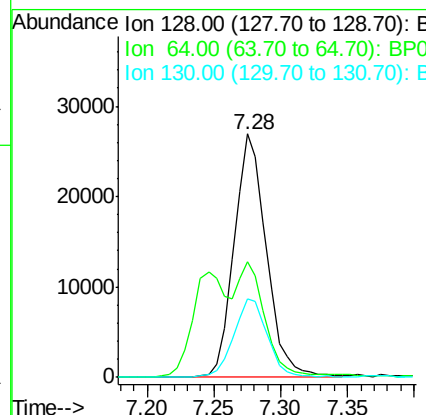
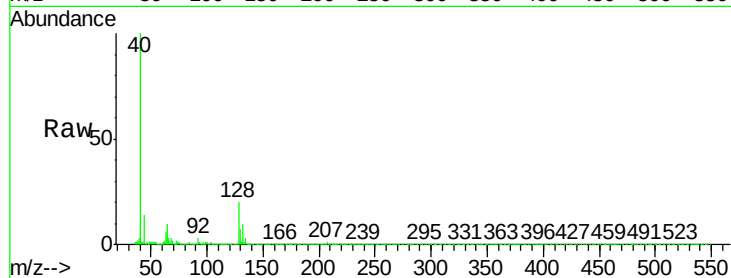
ClientSampleId :

MDL-WATER-01

Tgt Ion	Ratio	Lower	Upper
128	100		
64	47.6	34.7	52.1
130	32.5	25.4	38.0

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#11

2-Methylphenol

Concen: 3.26 ng/ul

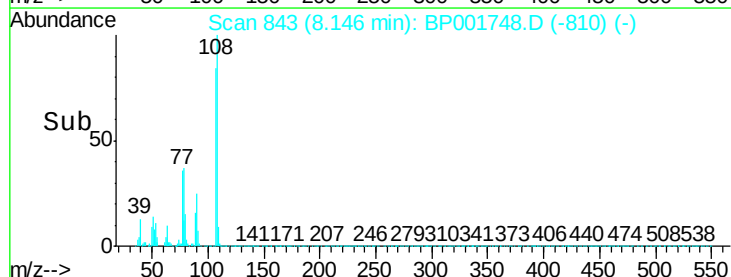
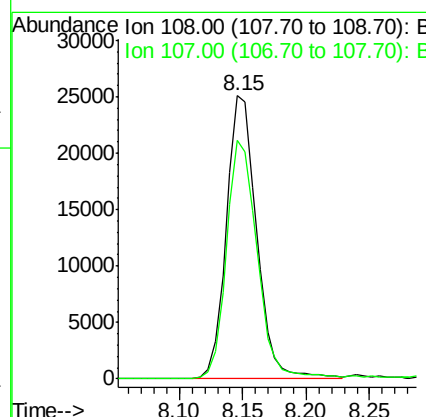
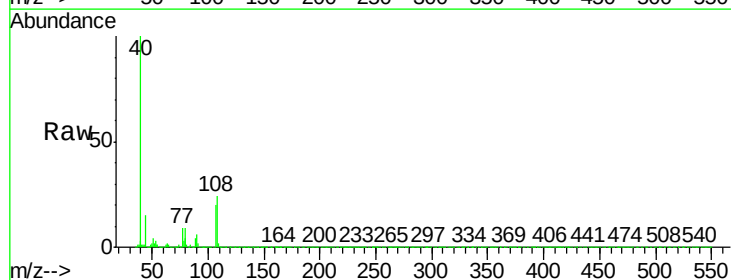
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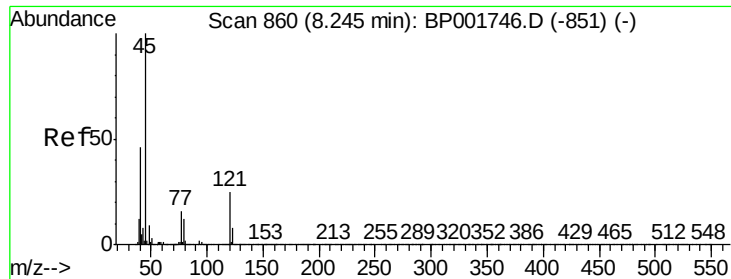
Delta R.T. -0.01 min

Lab File: BP001748.D

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Tgt Ion	Ratio	Lower	Upper
108	100		
107	84.4	70.2	105.4





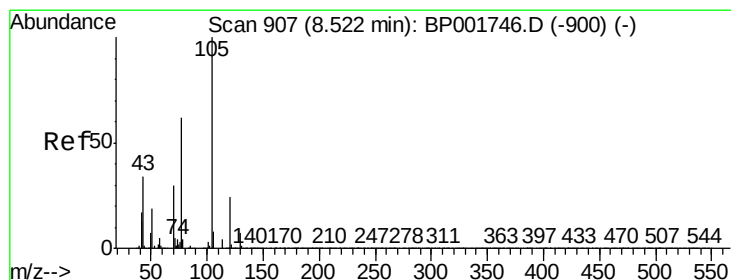
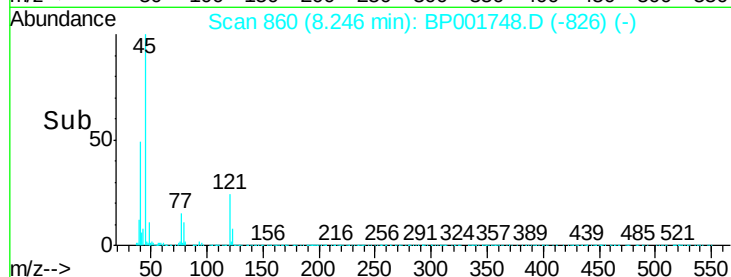
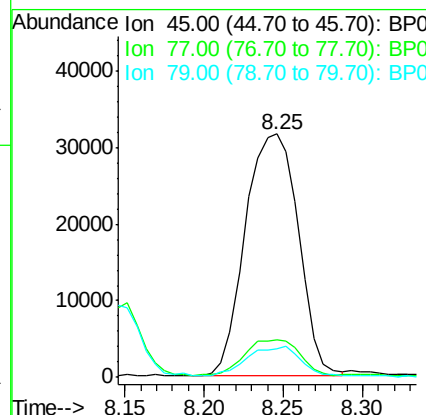
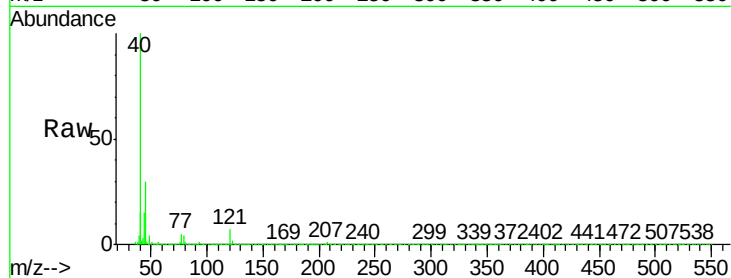
#12
2,2'-oxybis(1-Chloropropane)
Concen: 4.36 ng/ul
RT: 8.25 min Scan# 860
Delta R.T. 0.00 min
Lab File: BP001748.D
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Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.5	12.6	19.0
79	11.6	9.7	14.5

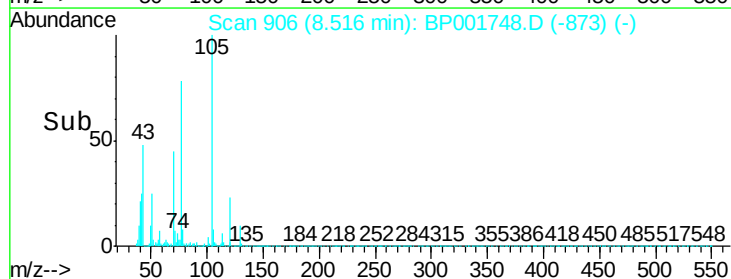
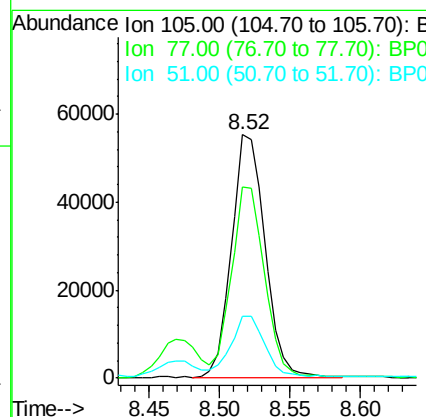
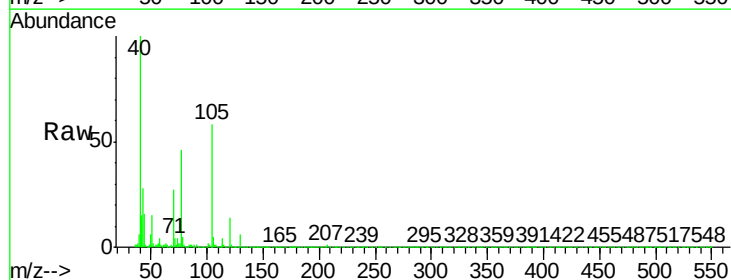
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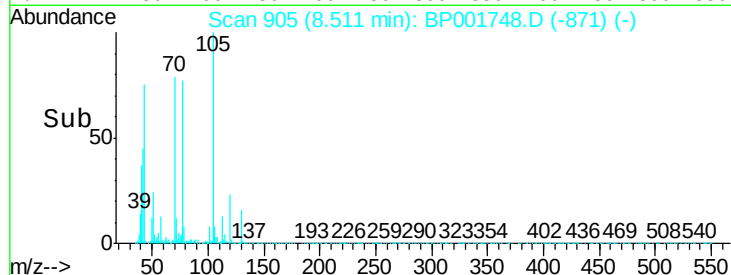
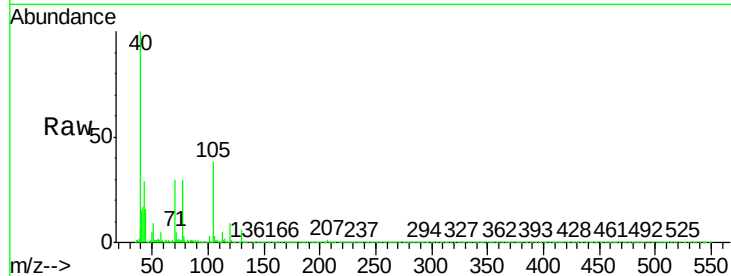
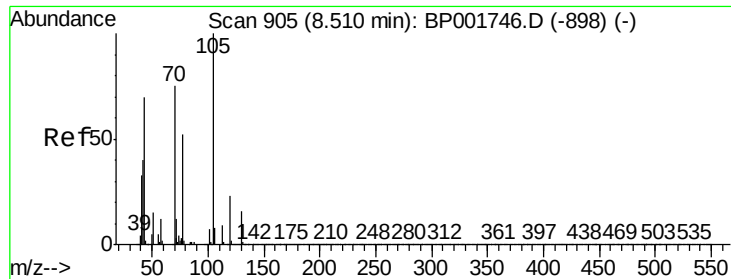
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#14
Acetophenone
Concen: 4.38 ng/ul
RT: 8.52 min Scan# 906
Delta R.T. -0.01 min
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Tgt Ion	Ratio	Lower	Upper
105	100		
77	78.3	60.6	91.0
51	25.2	18.8	28.2





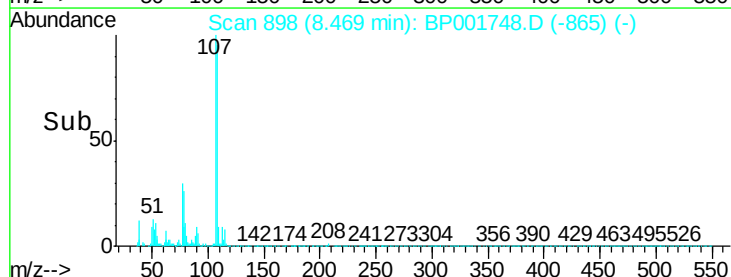
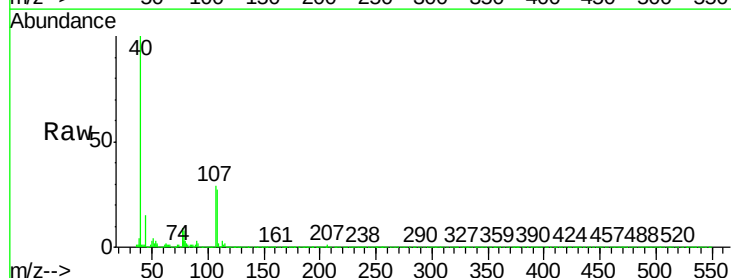
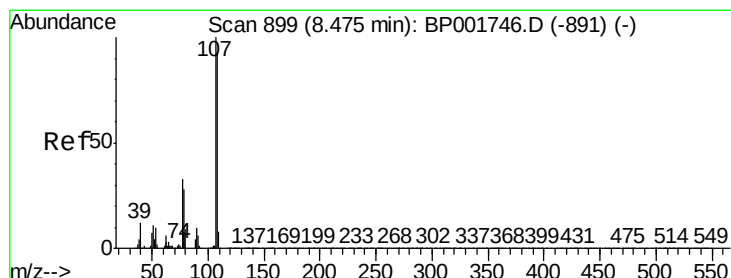
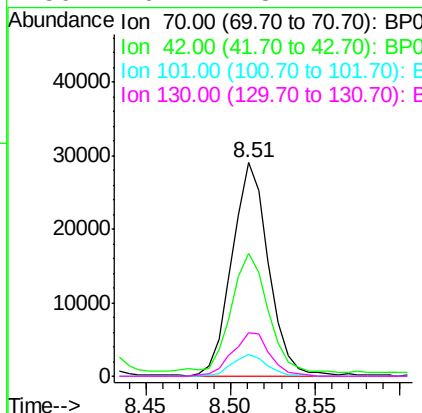
#15
N-Nitroso-di-n-propylamine
Concen: 4.17 ng/ul
RT: 8.51 min Scan# 905
Delta R.T. 0.00 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion	Ion	Ratio	Lower	Upper
70	100			
42	57.8	45.0	67.4	
101	10.4	7.9	11.9	
130	20.4	18.2	27.2	

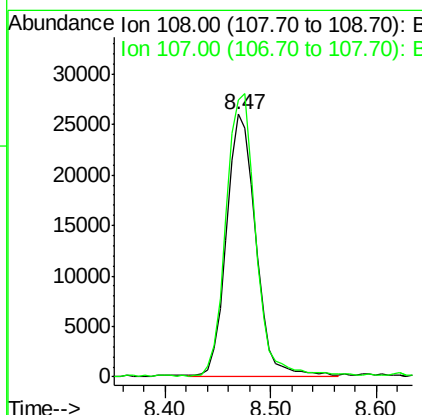
Manual Integrations
APPROVED

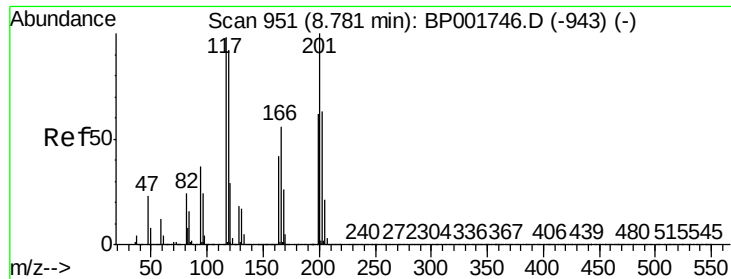
mohammad
2/17/2020 3:50:37 PM



#16
4-Methylphenol
Concen: 3.51 ng/ul
RT: 8.47 min Scan# 898
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion	Ion	Ratio	Lower	Upper
108	100			
107	105.4	87.3	130.9	





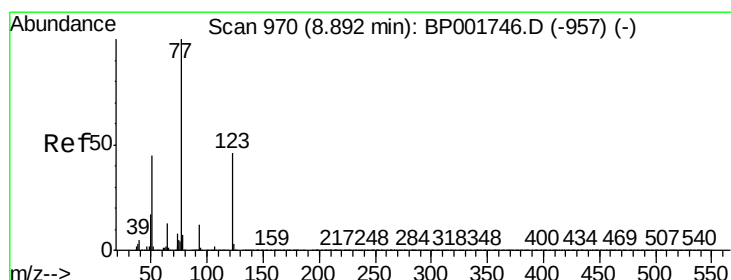
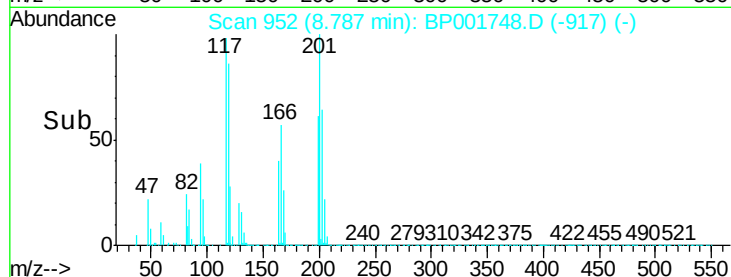
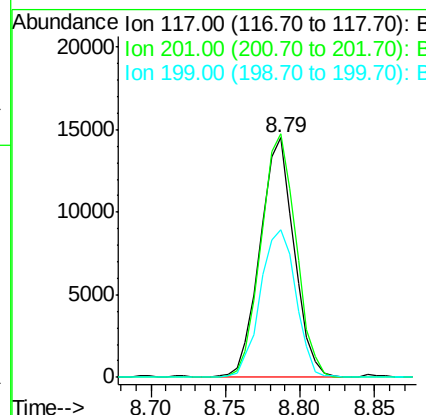
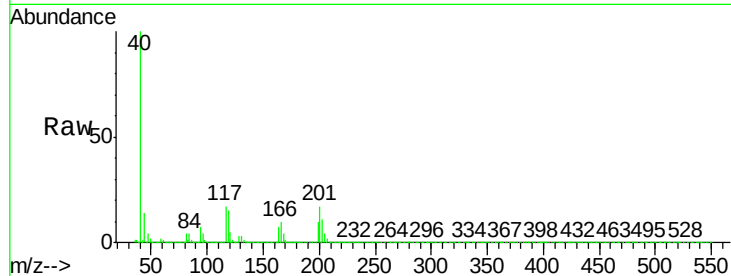
#17
Hexachloroethane
Concen: 4.35 ng/ul
RT: 8.79 min Scan# 952
Delta R.T. 0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	22762		
201	101.8	85.5	128.3	
199	61.8	55.3	82.9	

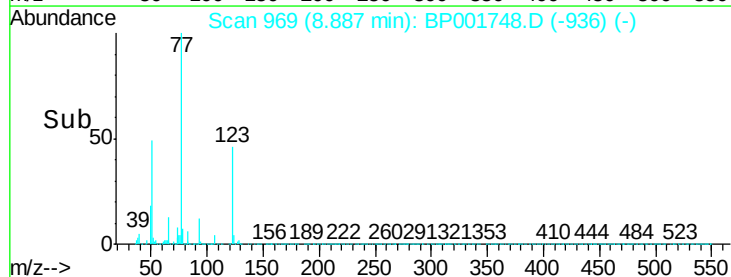
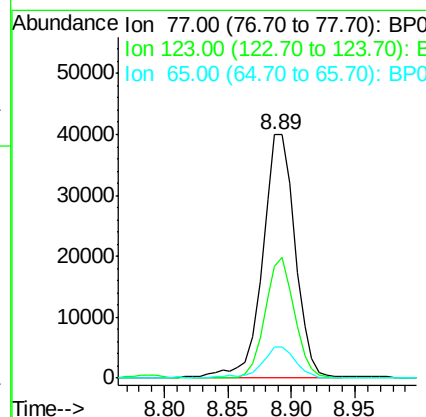
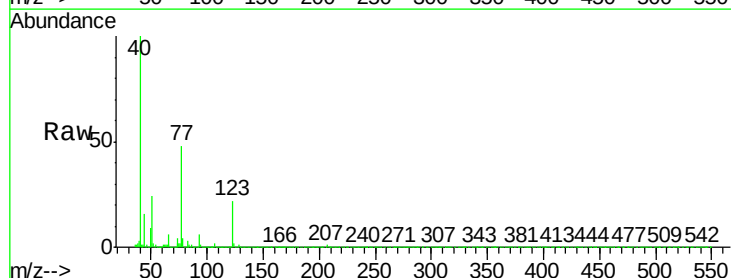
Manual Integrations
APPROVED

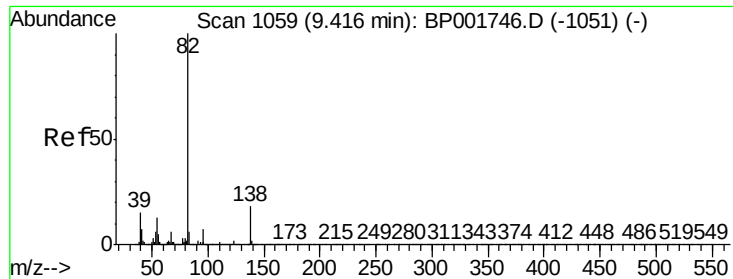
mohammad
2/17/2020 3:50:37 PM



#20
Nitrobenzene
Concen: 4.28 ng/ul
RT: 8.89 min Scan# 969
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	70884		
123	46.0	36.6	54.8	
65	12.8	9.9	14.9	





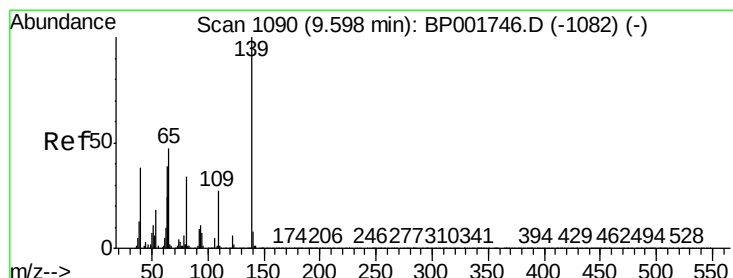
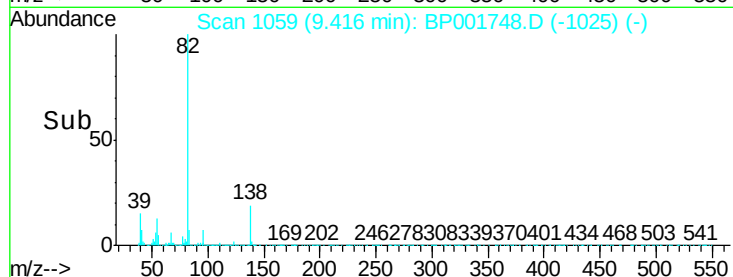
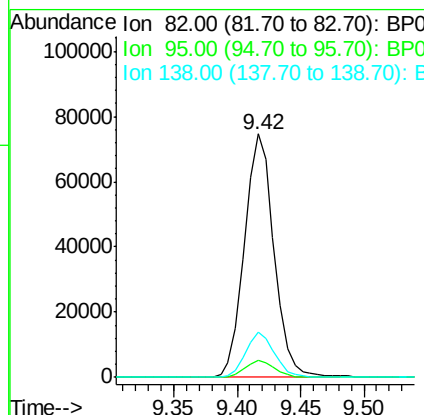
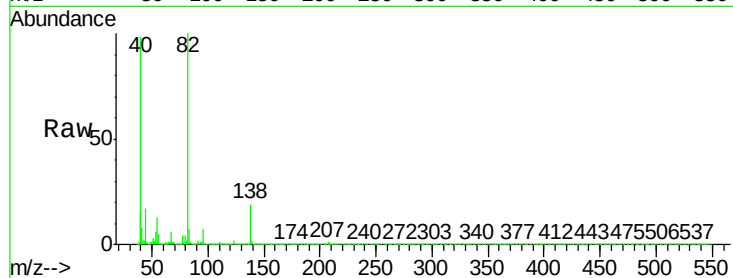
#21
Isophorone
Concen: 3.84 ng/ul
RT: 9.42 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
95	6.9	5.5	8.3
138	18.5	15.0	22.4

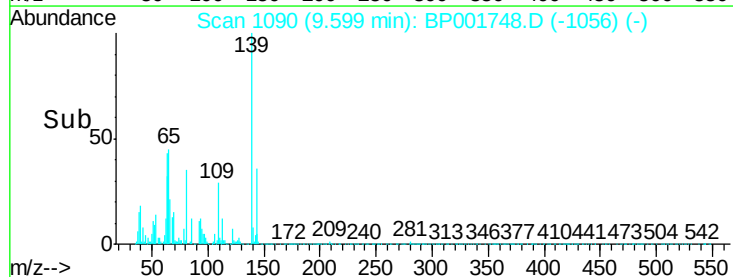
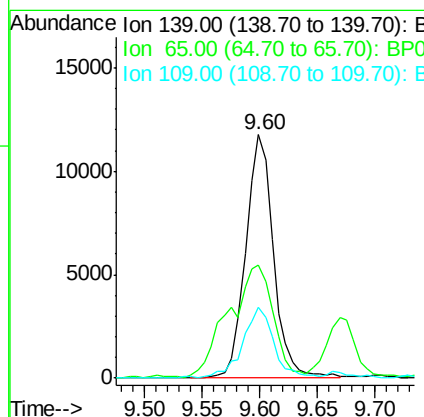
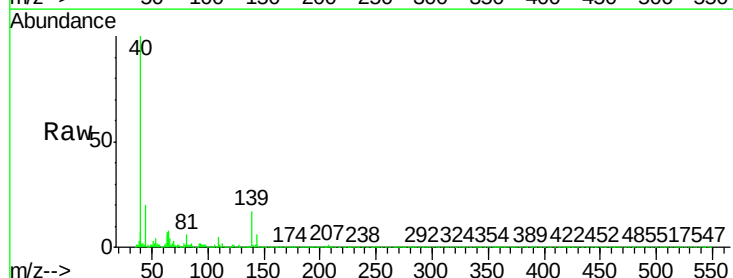
Manual Integrations
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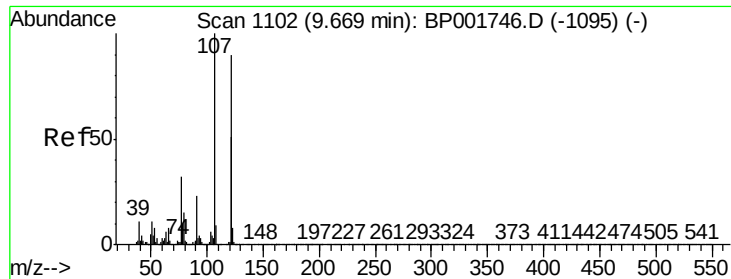
mohammad
2/17/2020 3:50:37 PM



#23
2-Nitrophenol
Concen: 3.10 ng/ul
RT: 9.60 min Scan# 1090
Delta R.T. 0.00 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
139	100		
65	46.6	39.8	59.6
109	29.2	22.2	33.2





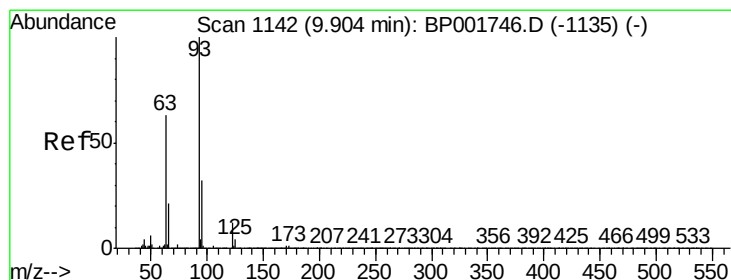
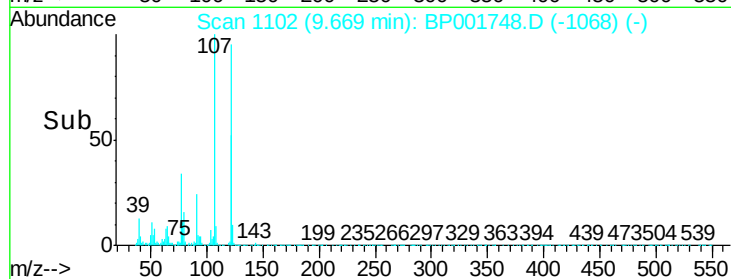
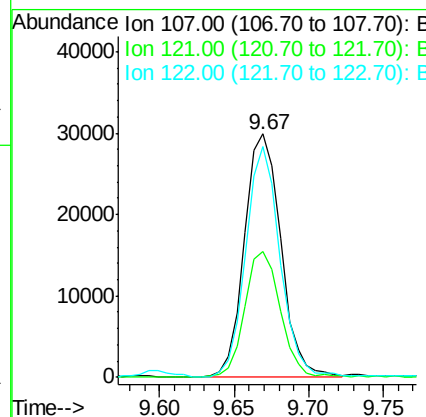
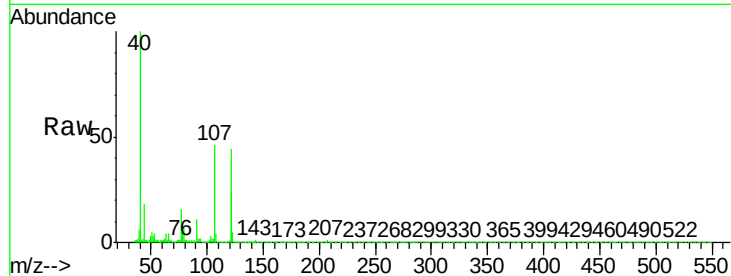
#24
2,4-Dimethylphenol
Concen: 3.40 ng/ul
RT: 9.67 min Scan# 1102
Delta R.T. 0.00 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion	Ratio	Resp Lower	Upper
107	100		
121	51.6	40.7	61.1
122	94.6	69.6	104.4

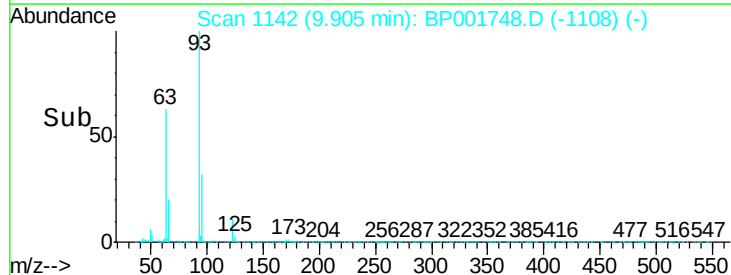
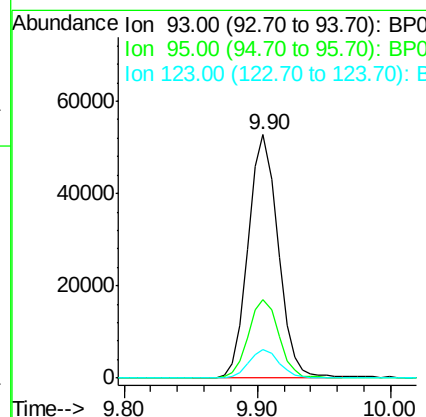
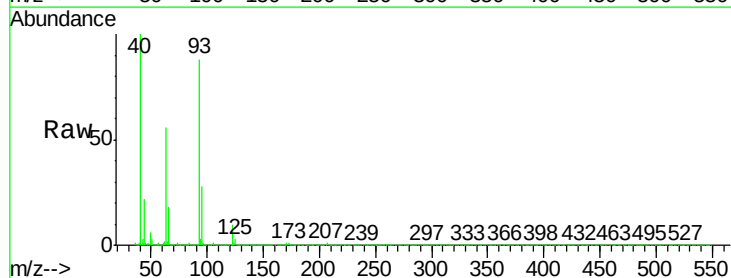
Manual Integrations
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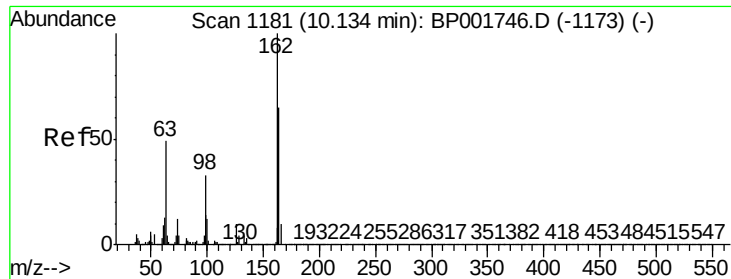
mohammad
2/17/2020 3:50:37 PM



#25
Bis(2-Chloroethoxy)methane
Concen: 4.13 ng/ul
RT: 9.90 min Scan# 1142
Delta R.T. 0.00 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
95	32.1	25.8	38.8
123	11.5	9.0	13.6





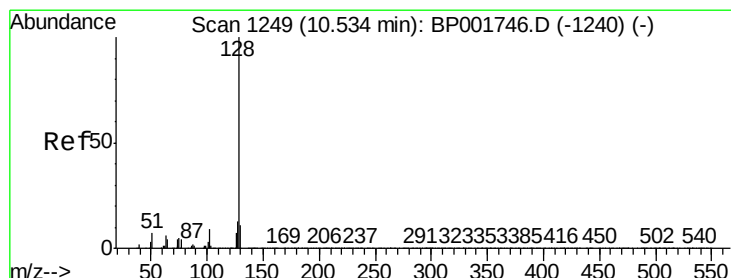
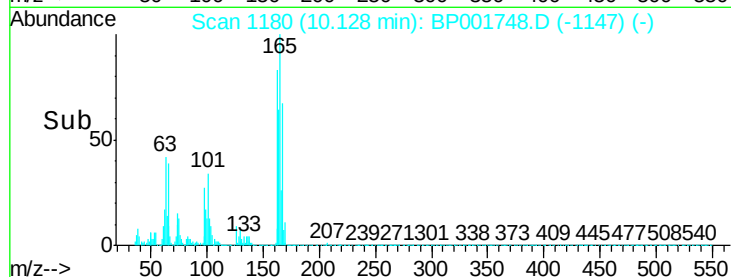
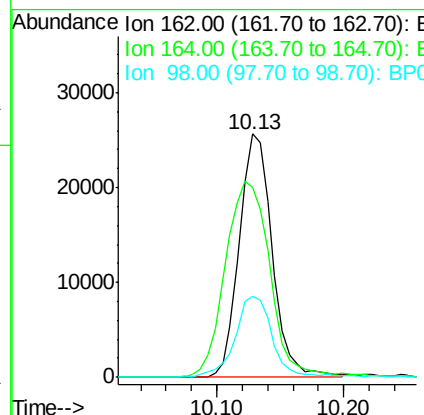
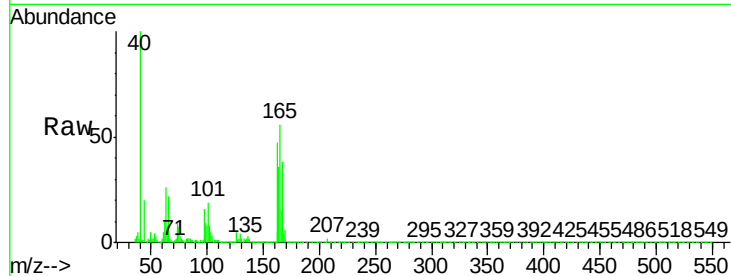
#27
2,4-Dichlorophenol
Concen: 3.59 ng/ul
RT: 10.13 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	46251		
164	77.8	52.2	78.2	
98	33.5	26.6	40.0	

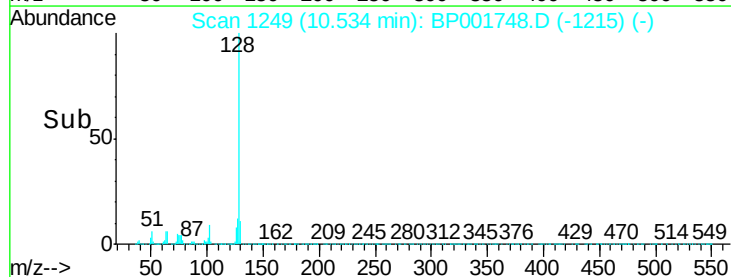
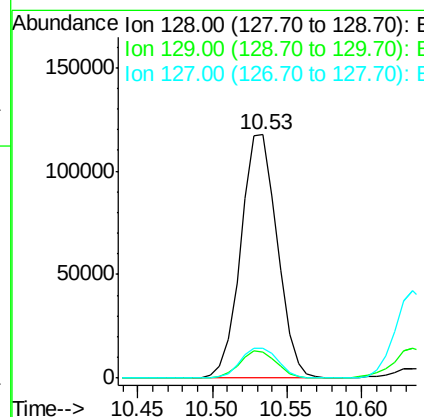
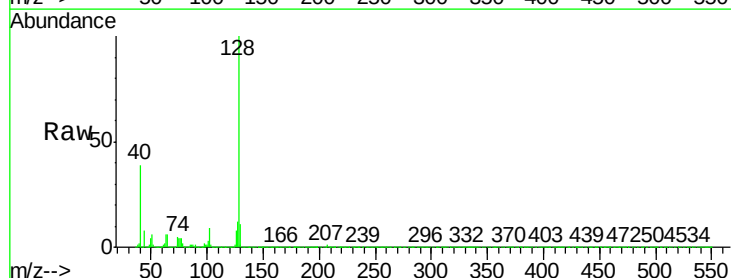
Manual Integrations
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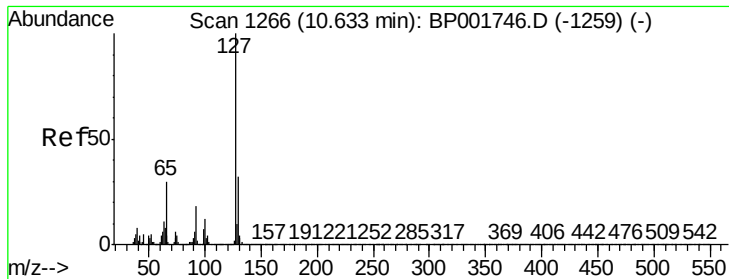
mohammad
2/17/2020 3:50:37 PM



#28
Naphthalene
Concen: 4.15 ng/ul
RT: 10.53 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	198612		
129	10.9	8.6	12.8	
127	12.4	10.2	15.2	





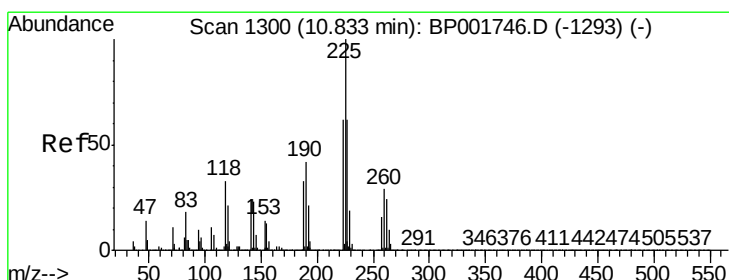
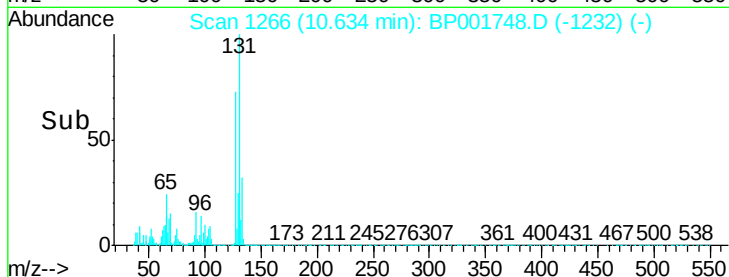
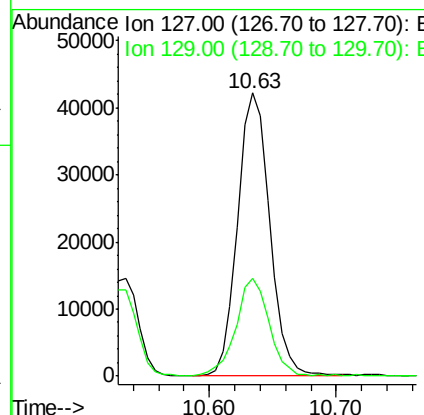
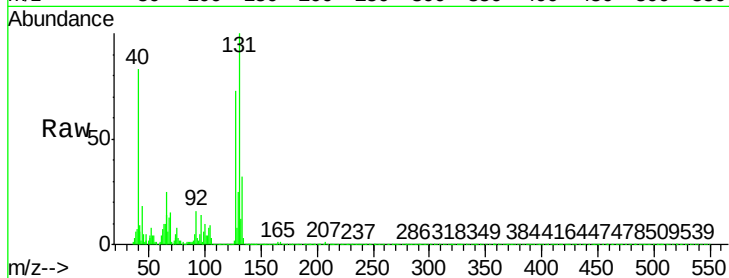
#30
4-Chloroaniline
Concen: 4.61 ng/ul
RT: 10.63 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion:127 Resp: 74020
Ion Ratio Lower Upper
127 100
129 34.6 25.3 37.9

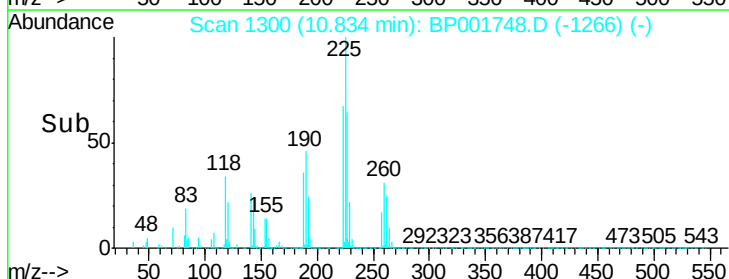
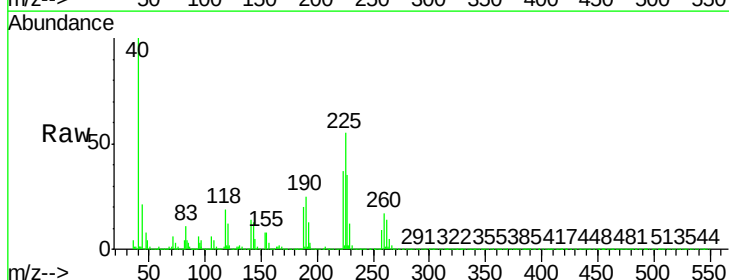
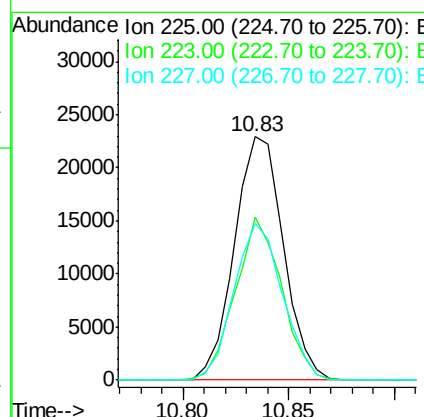
Manual Integrations
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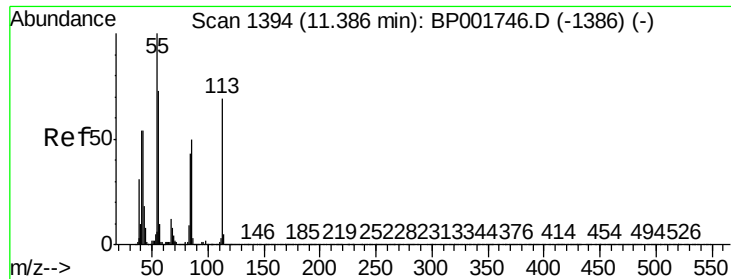
mohammad
2/17/2020 3:50:37 PM



#31
Hexachlorobutadiene
Concen: 4.12 ng/ul
RT: 10.83 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion:225 Resp: 36932
Ion Ratio Lower Upper
225 100
223 67.1 50.3 75.5
227 67.4 51.4 77.0





#32

Caprolactam

Concen: 2.74 ng/ul m

RT: 11.40 min Scan# 1396

Delta R.T. 0.01 min

Lab File: BP001748.D

Acq: 14 Feb 2020 16:39

Instrument :

BNA_P

ClientSampleId :

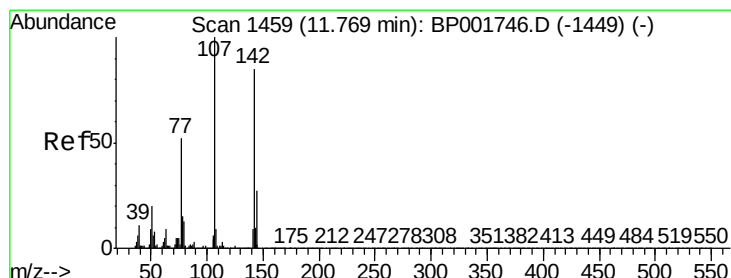
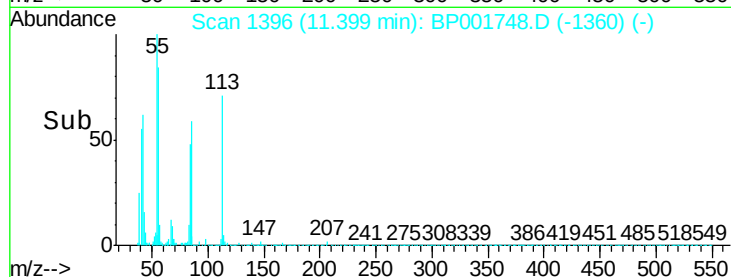
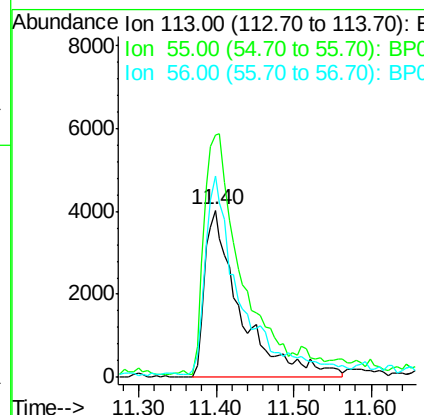
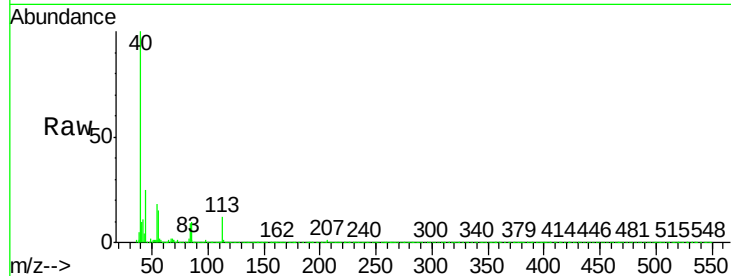
MDL-WATER-01

Tgt Ion:113 Resp: 13010

Ion	Ratio	Lower	Upper
113	100		
55	145.2	117.3	175.9
56	120.4	90.7	136.1

Manual Integrations
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mohammad
2/17/2020 3:50:37 PM



#33

4-Chloro-3-methylphenol

Concen: 2.91 ng/ul

RT: 11.76 min Scan# 1458

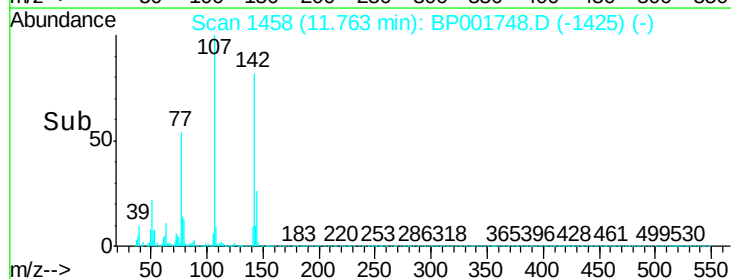
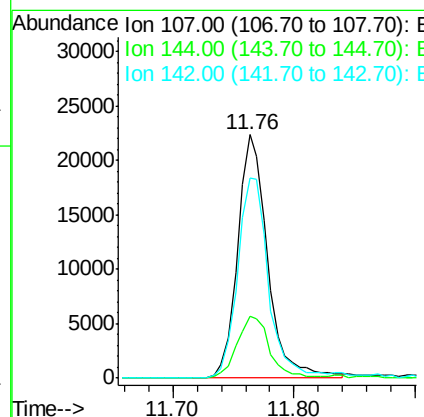
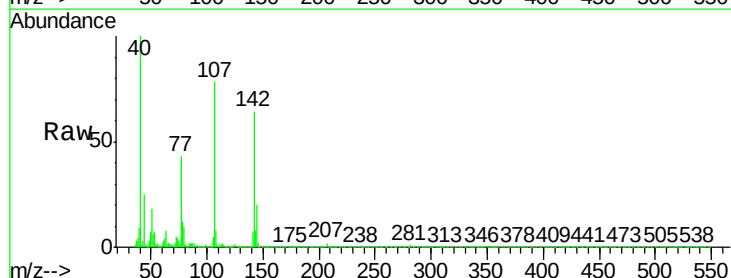
Delta R.T. -0.01 min

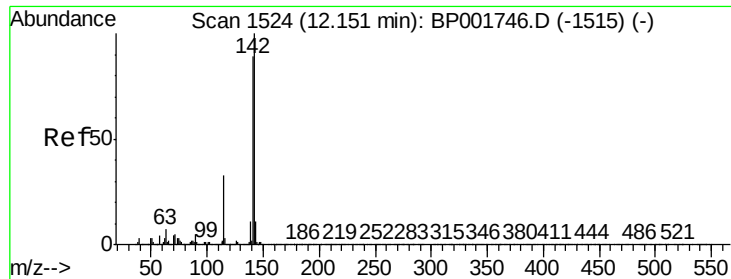
Lab File: BP001748.D

Acq: 14 Feb 2020 16:39

Tgt Ion:107 Resp: 38660

Ion	Ratio	Lower	Upper
107	100		
144	25.6	22.0	33.0
142	82.2	66.3	99.5





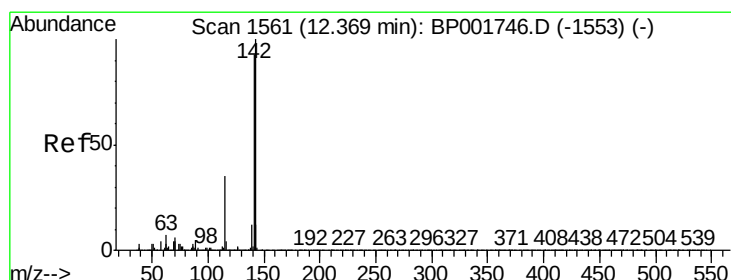
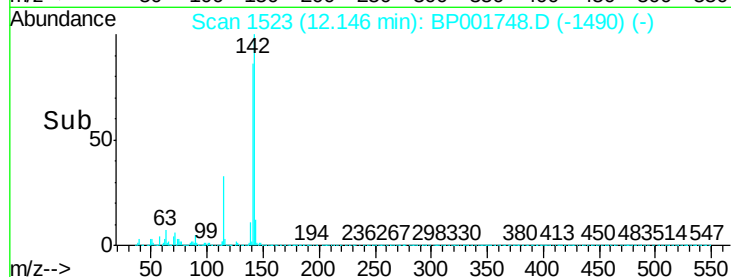
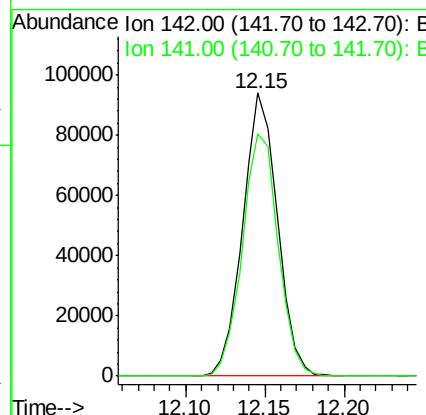
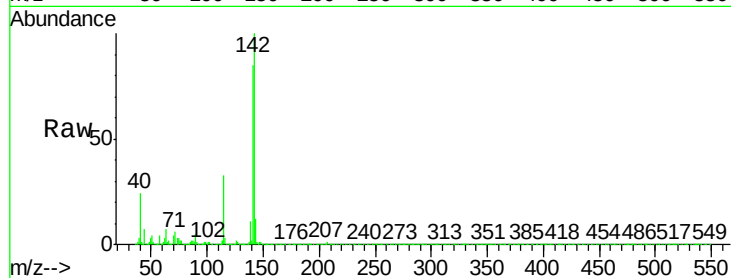
#34
2-Methylnaphthalene
Concen: 4.15 ng/ul
RT: 12.15 min Scan# 1523
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.4	70.7	106.1

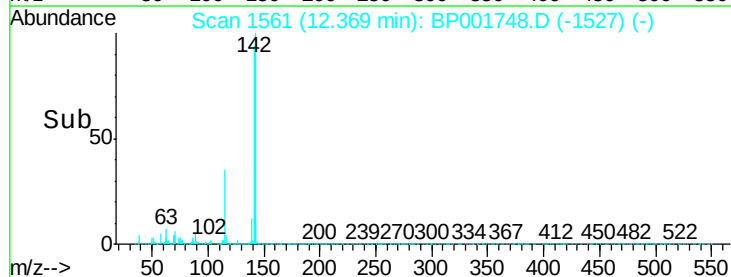
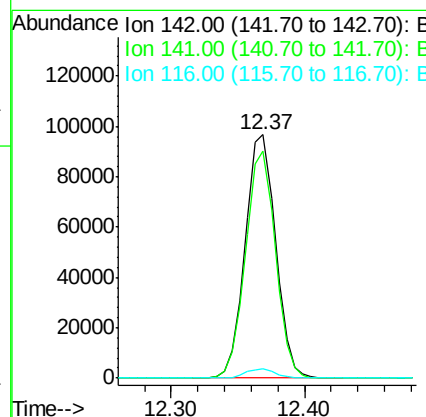
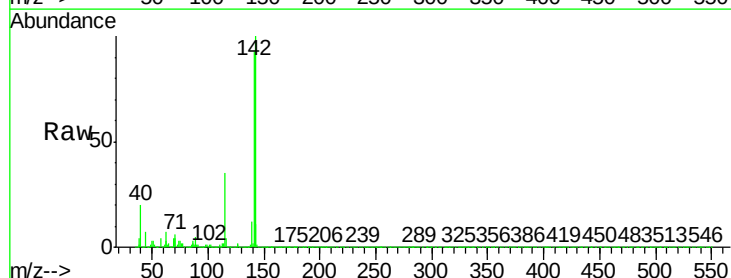
Manual Integrations
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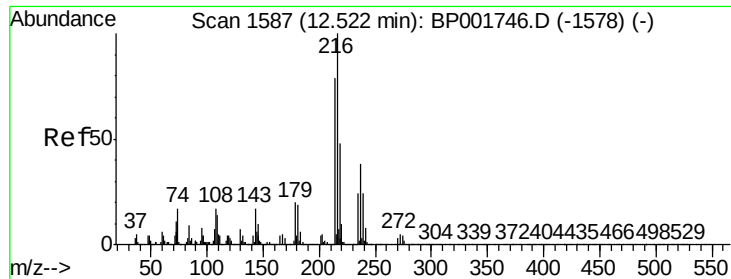
mohammad
2/17/2020 3:50:37 PM



#35
1-Methylnaphthalene
Concen: 4.45 ng/ul
RT: 12.37 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.3	74.4	111.6
116	3.6	3.0	4.4





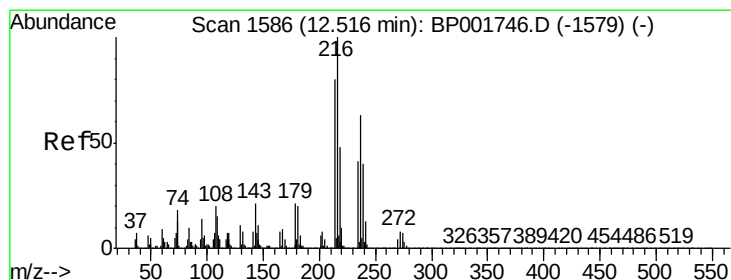
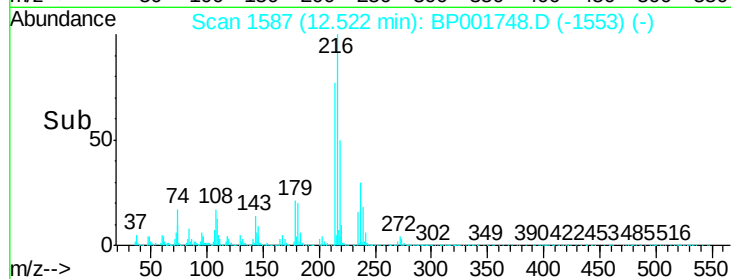
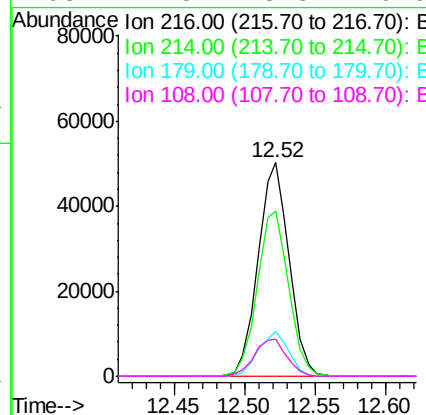
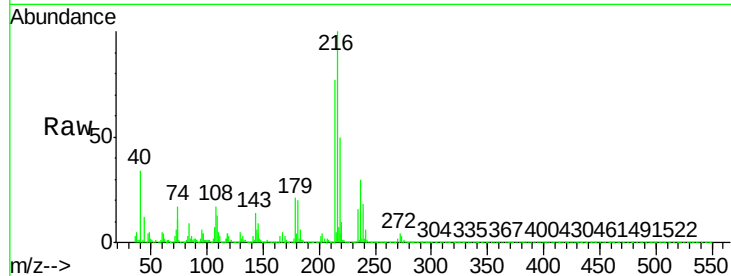
#37
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.05 ng/ul
 RT: 12.52 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: BP001748.D
 Acq: 14 Feb 2020 16:39

Instrument :
 BNA_P
 ClientSampleId :
 MDL-WATER-01

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	77414		
214	77.5	63.2	94.8	
179	21.3	16.2	24.4	
108	17.3	13.8	20.6	

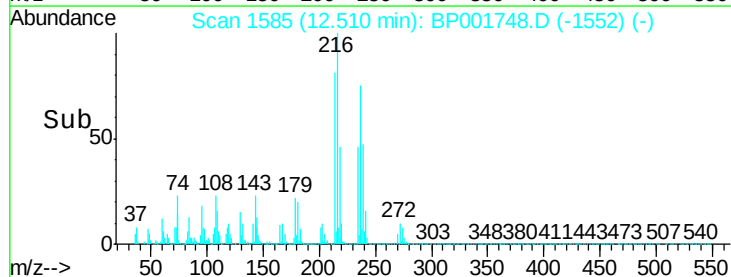
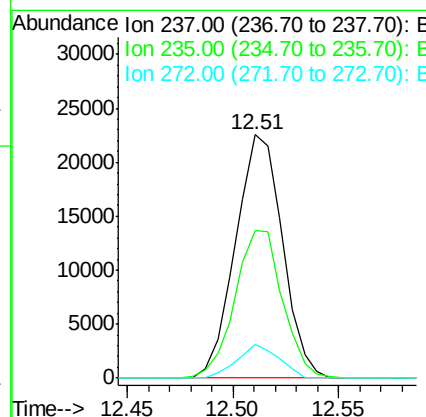
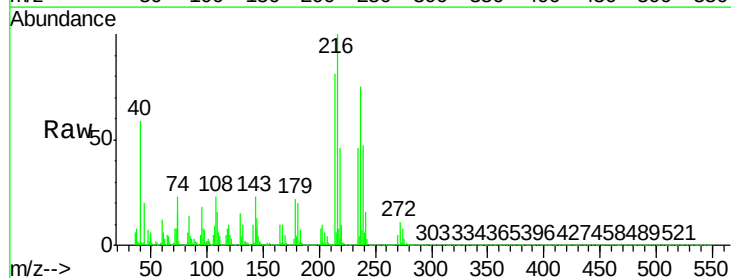
Manual Integrations
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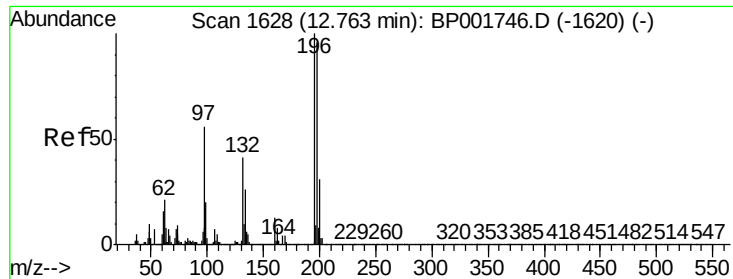
mohammad
 2/17/2020 3:50:37 PM



#38
 Hexachlorocyclopentadiene
 Concen: 3.05 ng/ul
 RT: 12.51 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BP001748.D
 Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	34728		
235	60.6	50.3	75.5	
272	14.6	10.5	15.7	





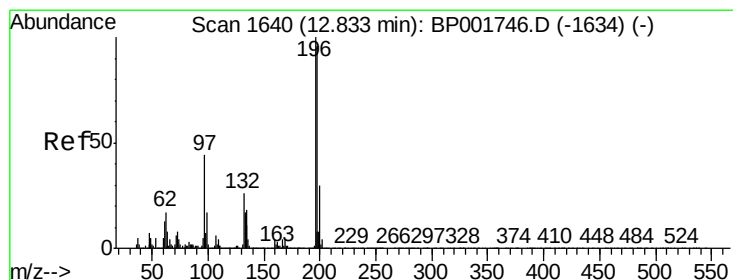
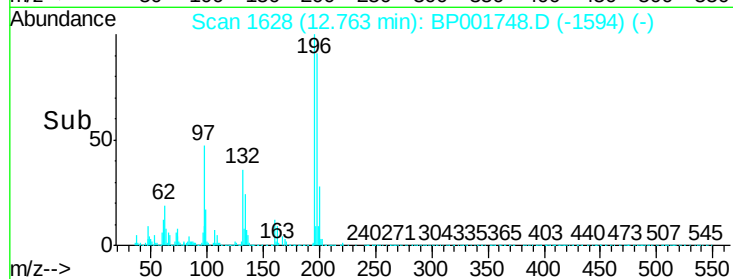
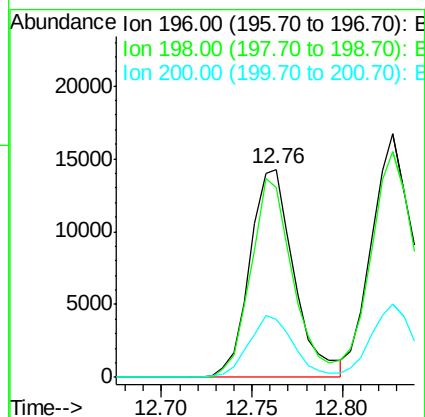
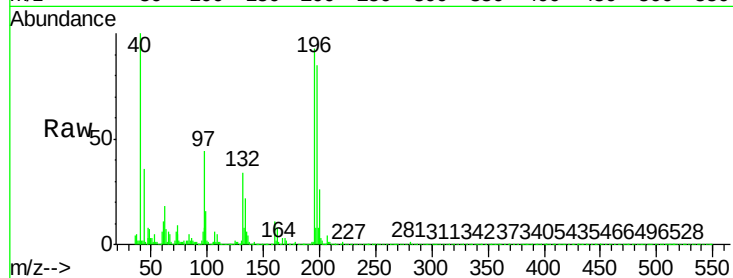
#39
 2,4,6-Trichlorophenol
 Concen: 2.48 ng/ul
 RT: 12.76 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: BP001748.D
 Acq: 14 Feb 2020 16:39

Instrument :
 BNA_P
 ClientSampleId :
 MDL-WATER-01

Tgt Ion	Ratio	Lower	Upper
196	100		
198	91.3	76.6	114.8
200	27.7	24.6	37.0

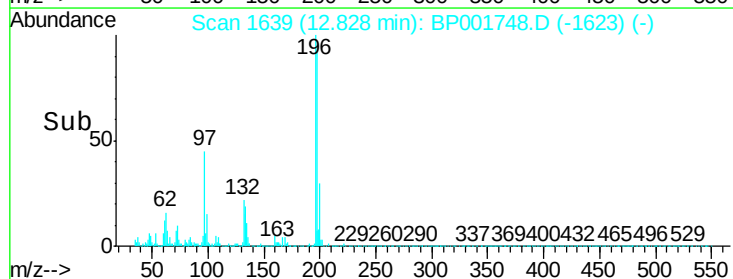
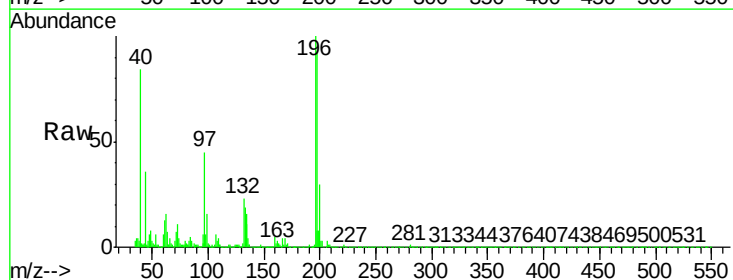
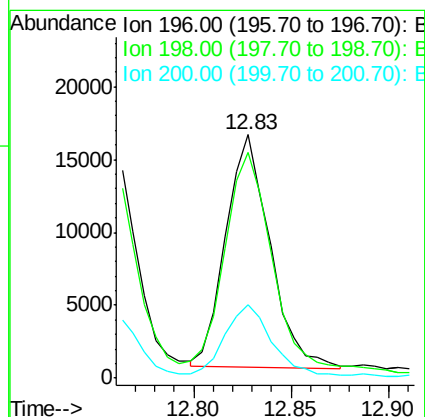
Manual Integrations
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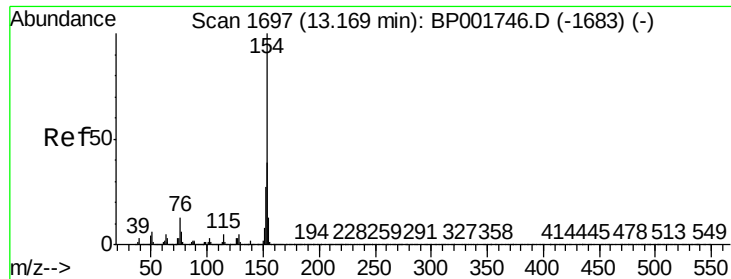
mohammad
 2/17/2020 3:50:37 PM



#40
 2,4,5-Trichlorophenol
 Concen: 2.29 ng/ul
 RT: 12.83 min Scan# 1639
 Delta R.T. -0.01 min
 Lab File: BP001748.D
 Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Lower	Upper
196	100		
198	92.6	77.3	115.9
200	30.2	24.4	36.6





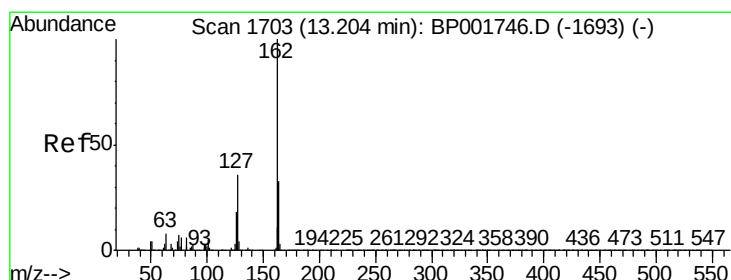
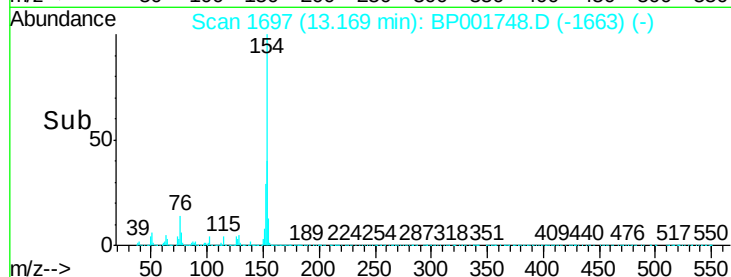
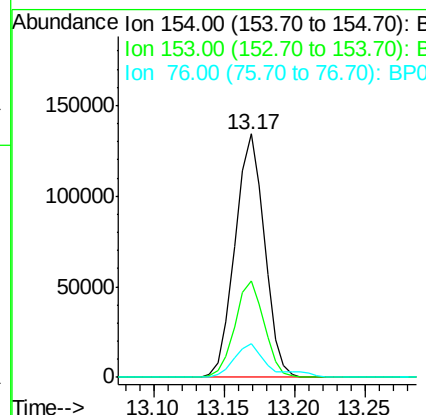
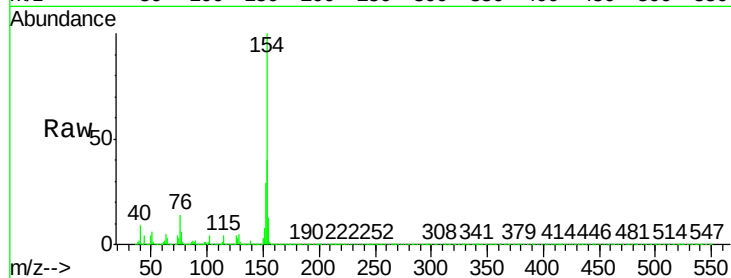
#41
1,1'-Biphenyl
Concen: 4.16 ng/ul
RT: 13.17 min Scan# 1697
Delta R.T. 0.00 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	195110		
153	39.8	31.6	47.4	
76	13.8	10.4	15.6	

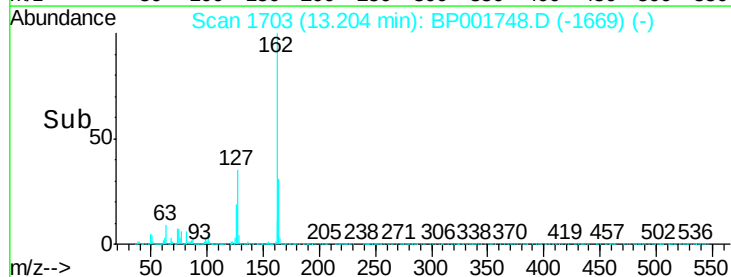
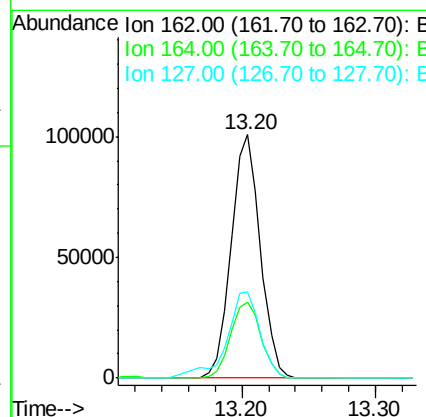
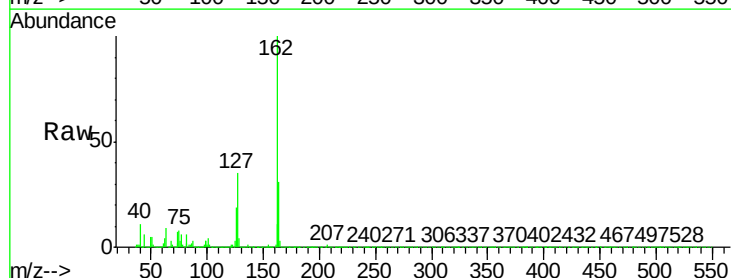
Manual Integrations
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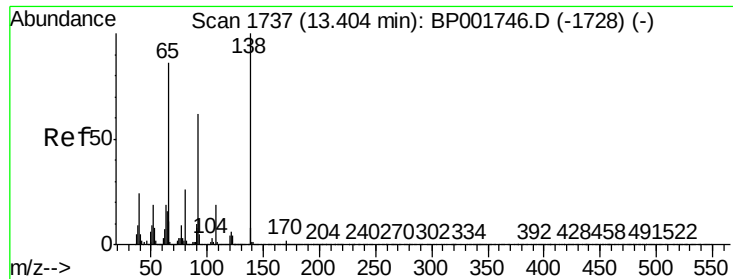
mohammad
2/17/2020 3:50:37 PM



#42
2-Chloronaphthalene
Concen: 4.13 ng/ul
RT: 13.20 min Scan# 1703
Delta R.T. 0.00 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	153329		
164	31.4	26.7	40.1	
127	35.1	29.6	44.4	





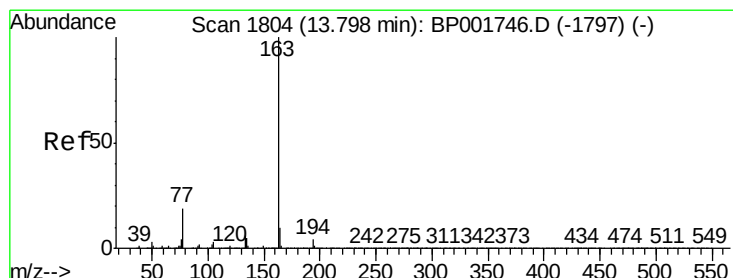
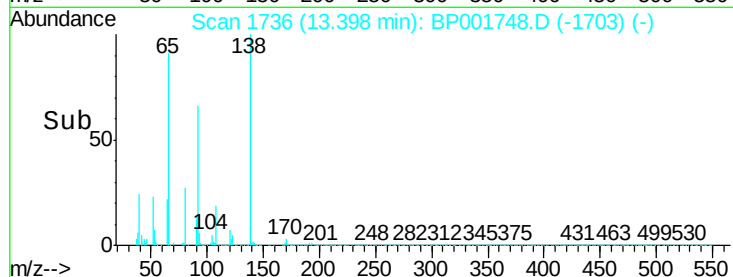
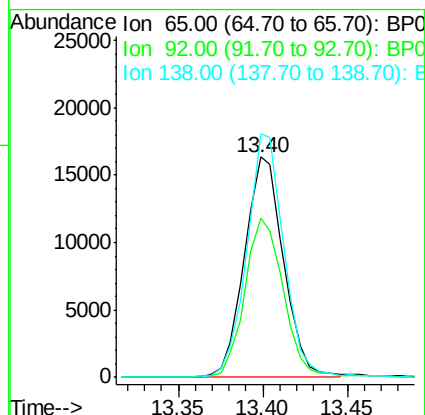
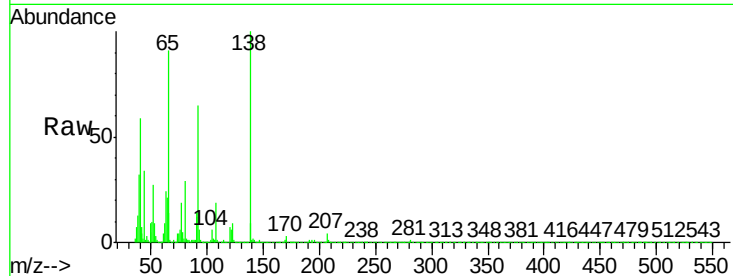
#43
2-Nitroaniline
Concen: 2.86 ng/ul
RT: 13.40 min Scan# 1736
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.9	57.7	86.5
138	110.4	92.7	139.1

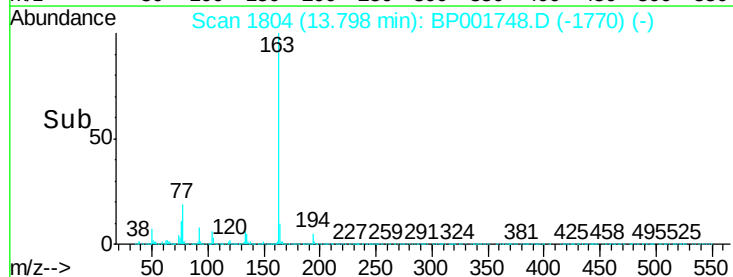
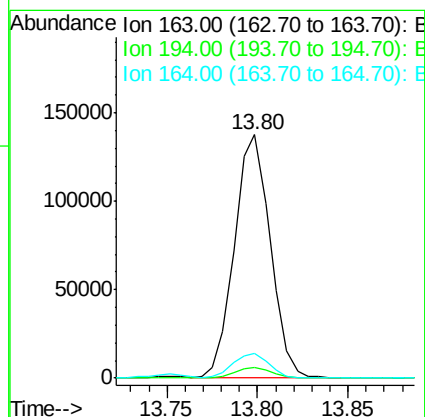
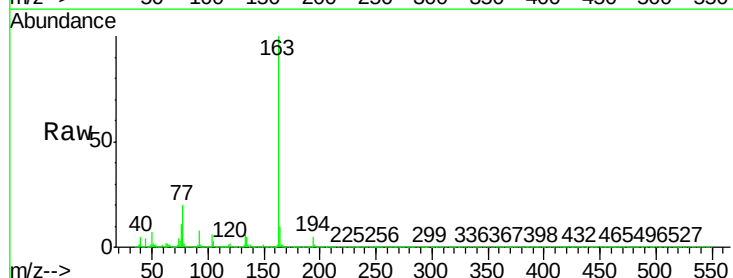
Manual Integrations
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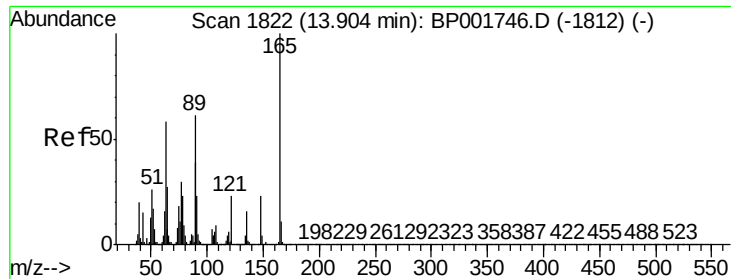
mohammad
2/17/2020 3:50:37 PM



#45
Dimethylphthalate
Concen: 4.08 ng/ul
RT: 13.80 min Scan# 1804
Delta R.T. 0.00 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	10.1	8.0	12.0





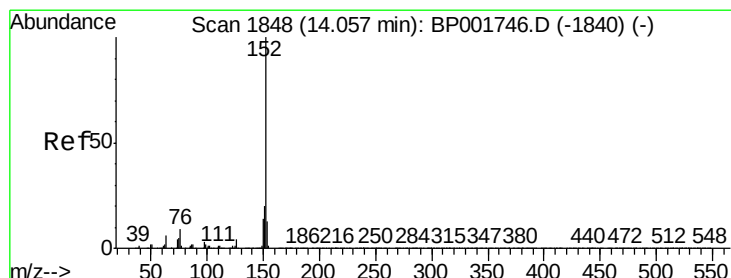
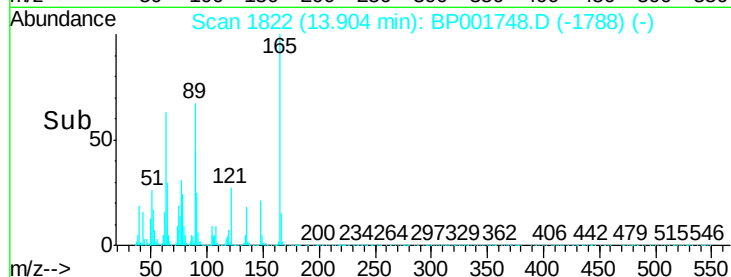
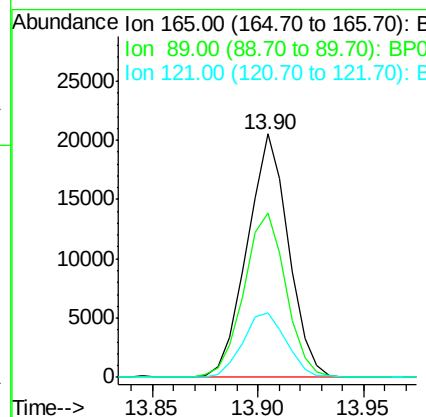
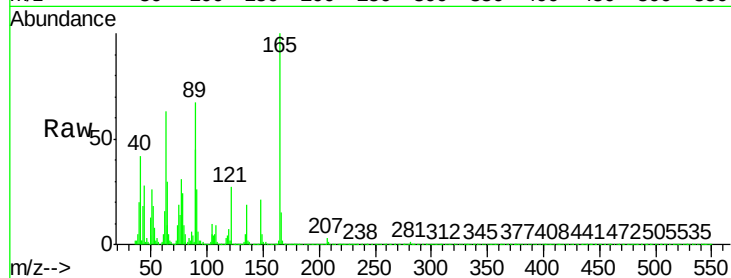
#46
2,6-Dinitrotoluene
Concen: 3.09 ng/ul
RT: 13.90 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
89	67.5	46.6	70.0
121	26.7	17.4	26.0

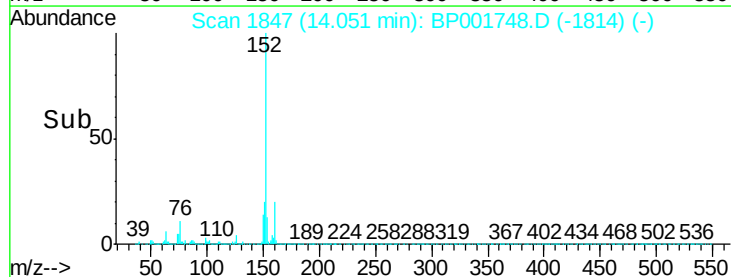
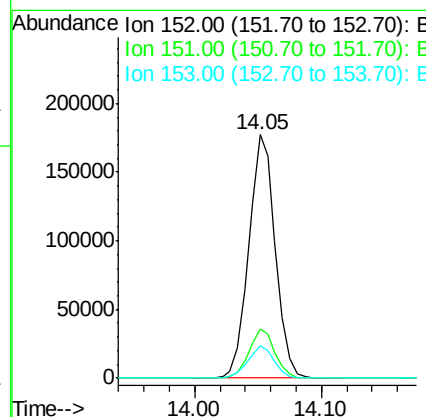
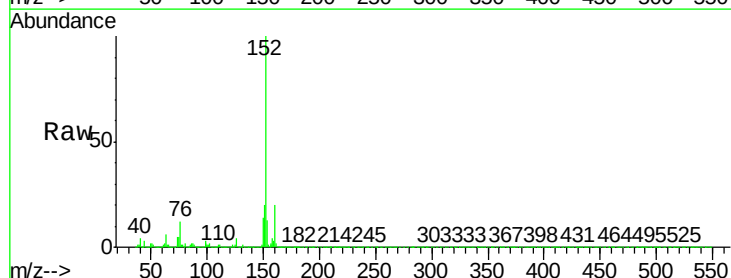
Manual Integrations
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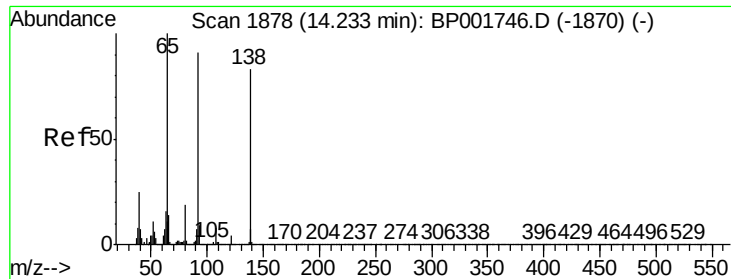
mohammad
2/17/2020 3:50:37 PM



#48
Acenaphthylene
Concen: 4.27 ng/ul
RT: 14.05 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	20.0	15.9	23.9
153	13.2	10.6	16.0





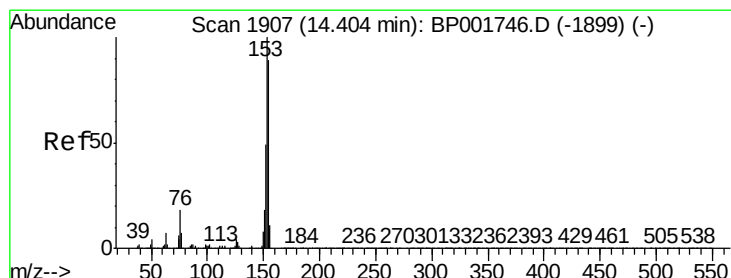
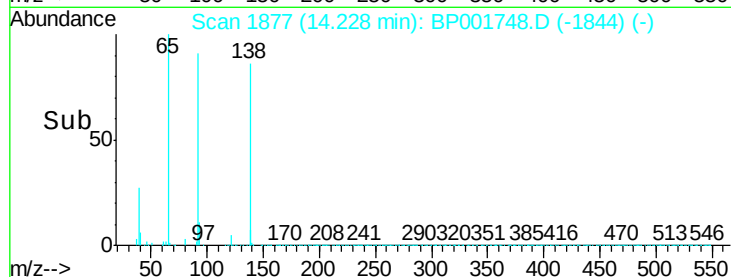
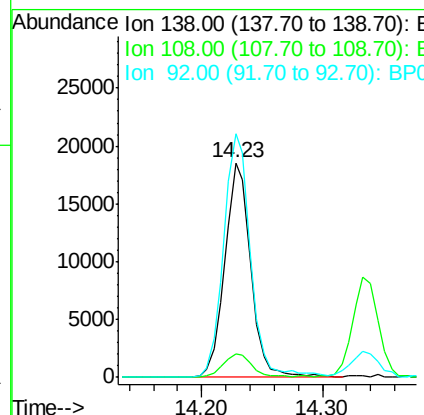
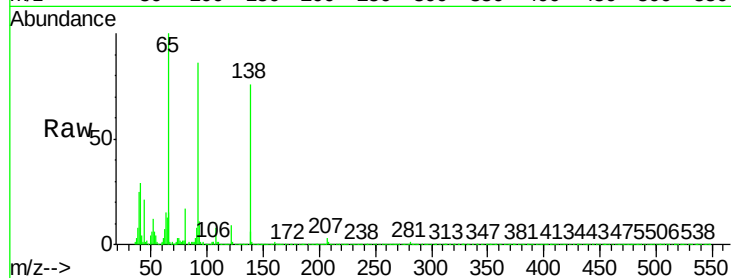
#49
3-Nitroaniline
Concen: 3.15 ng/ul
RT: 14.23 min Scan# 1877
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion	Ratio	Lower	Upper
138	100		
108	11.0	7.8	11.6
92	113.4	87.6	131.4

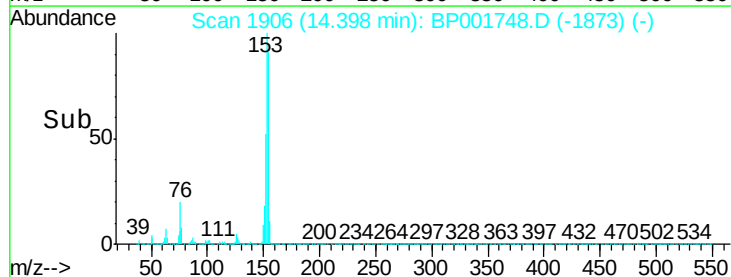
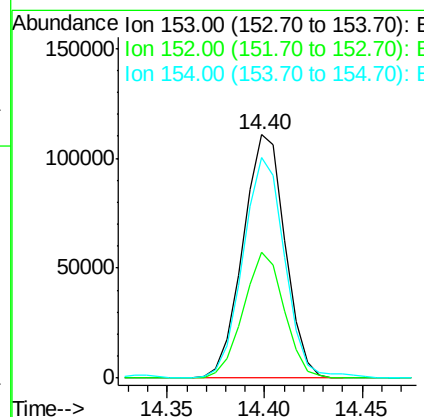
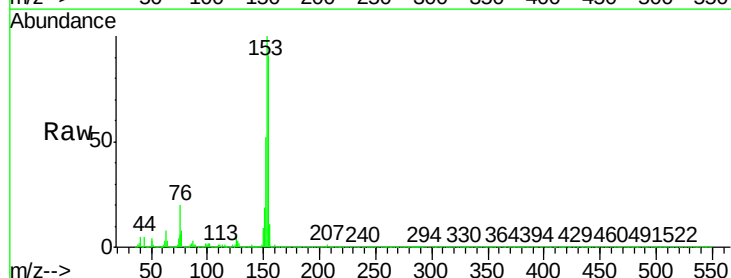
Manual Integrations
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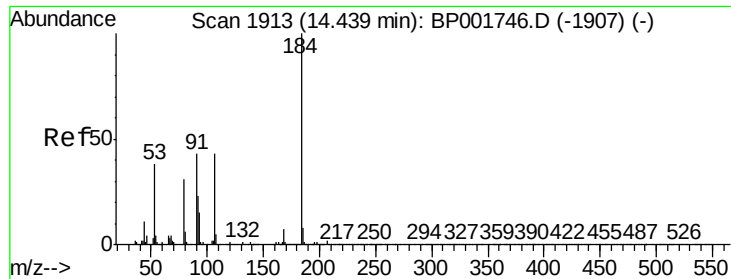
mohammad
2/17/2020 3:50:37 PM



#50
Acenaphthene
Concen: 4.12 ng/ul
RT: 14.40 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Lower	Upper
153	100		
152	51.7	39.4	59.2
154	90.7	70.8	106.2





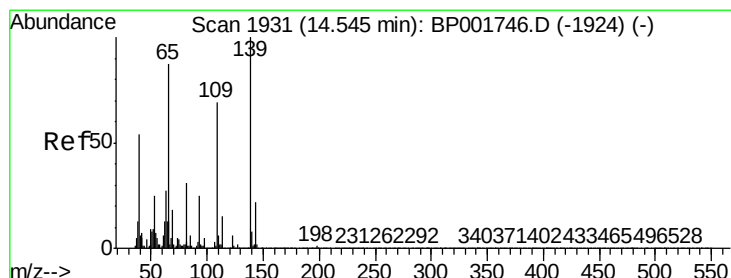
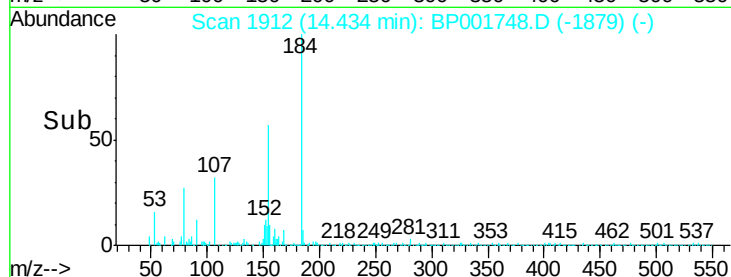
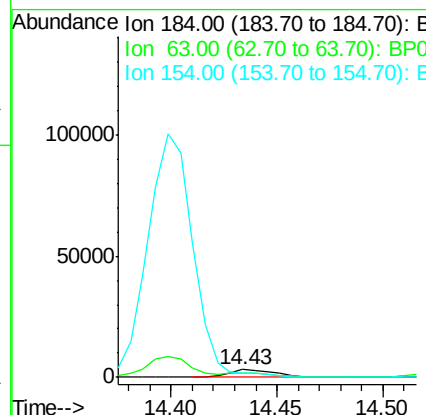
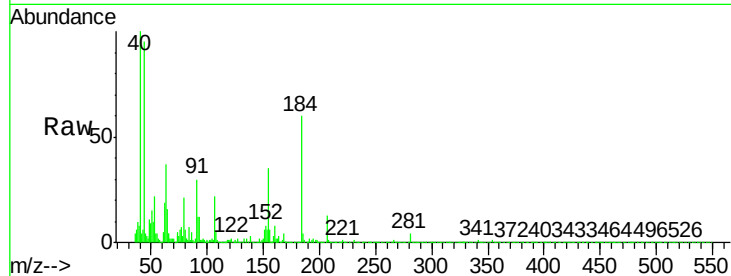
#51
2,4-Dinitrophenol
Concen: 1.55 ng/ul
RT: 14.43 min Scan# 1912
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampled :
MDL-WATER-01

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	5042		
63	60.9	51.1	76.7	
154	57.7	46.6	70.0	

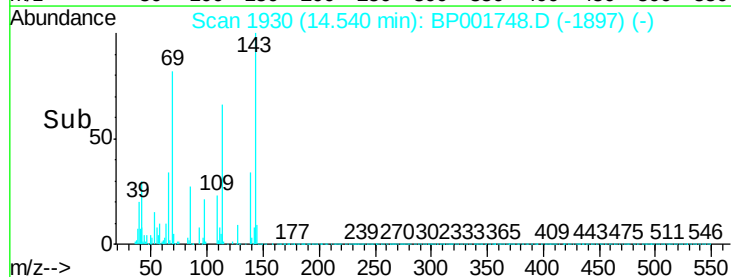
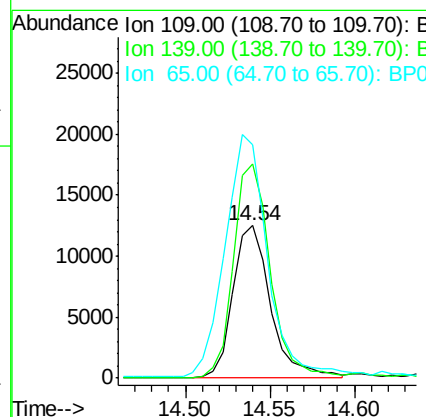
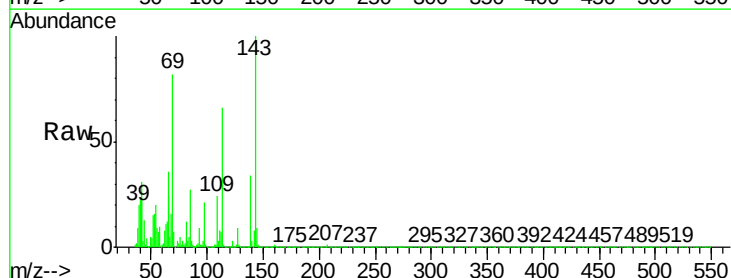
Manual Integrations
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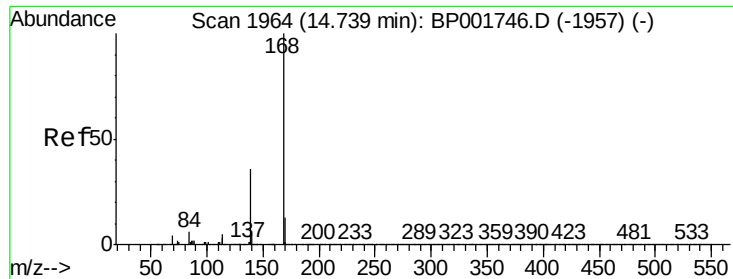
mohammad
2/17/2020 3:50:37 PM



#53
4-Nitrophenol
Concen: 3.05 ng/ul
RT: 14.54 min Scan# 1930
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
109	100	19443		
139	141.0	112.7	169.1	
65	153.5	104.1	156.1	





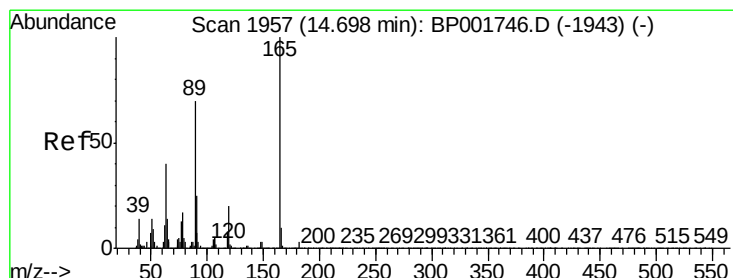
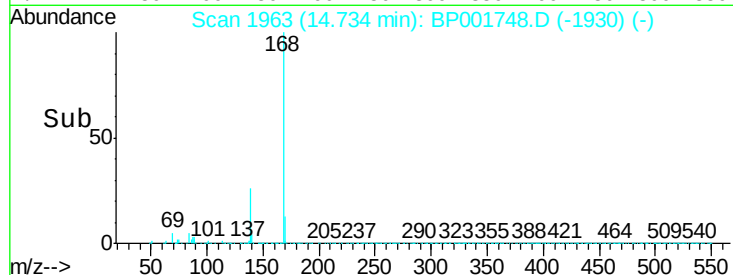
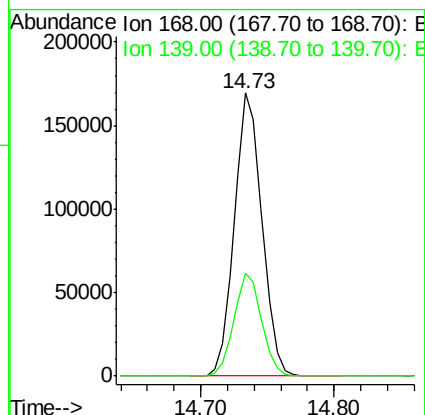
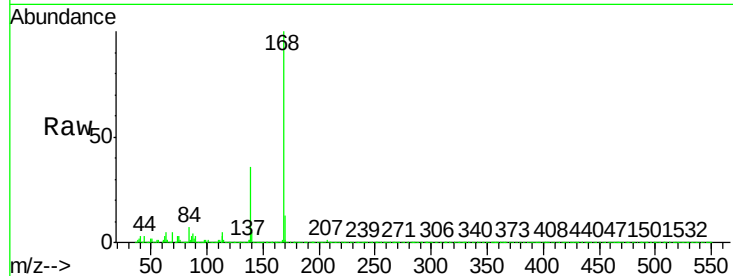
#54
Dibenzofuran
Concen: 4.30 ng/ul
RT: 14.73 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion:168 Resp: 243775
Ion Ratio Lower Upper
168 100
139 36.2 29.0 43.4

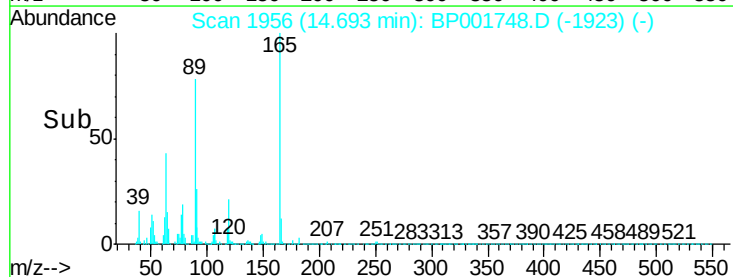
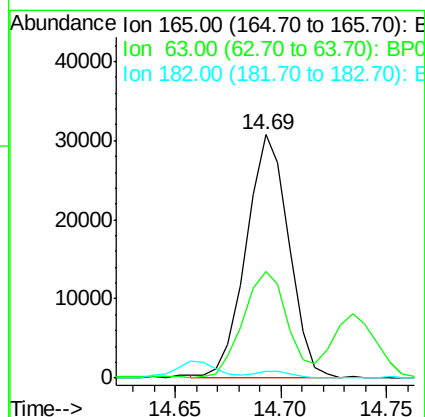
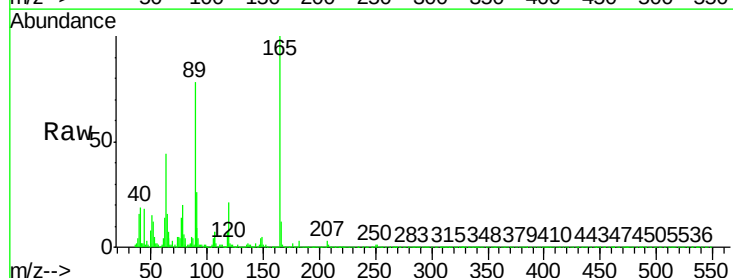
Manual Integrations
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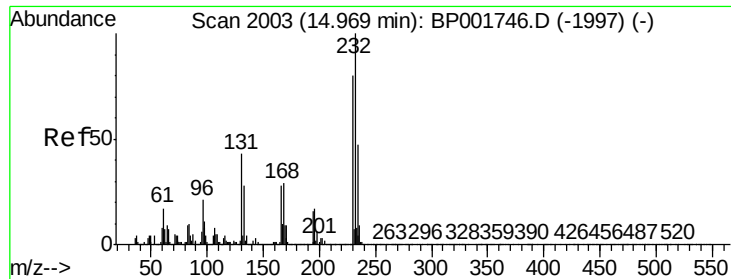
mohammad
2/17/2020 3:50:37 PM



#55
2,4-Dinitrotoluene
Concen: 3.27 ng/ul
RT: 14.69 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion:165 Resp: 43302
Ion Ratio Lower Upper
165 100
63 43.7 31.4 47.2
182 3.0 2.4 3.6





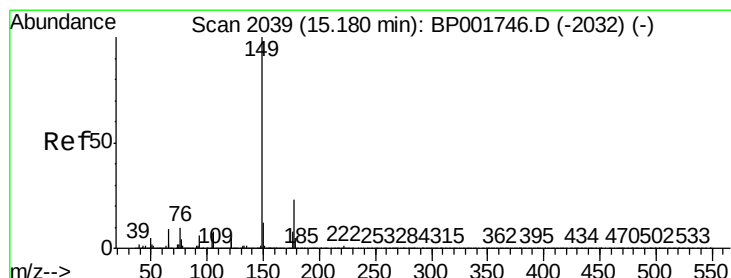
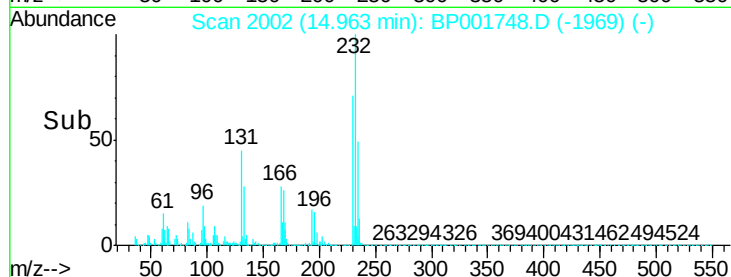
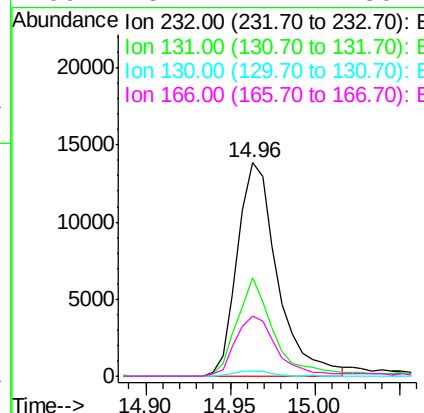
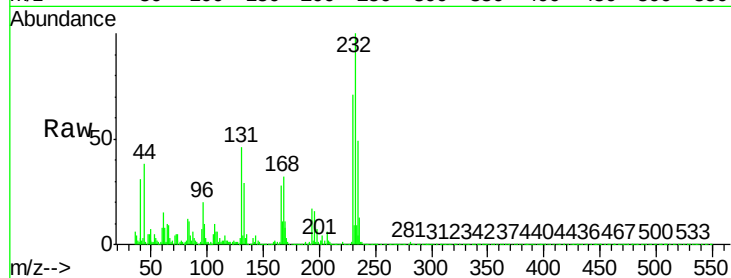
#56
2,3,4,6-Tetrachlorophenol
Concen: 2.46 ng/ul
RT: 14.96 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion	Ratio	Lower	Upper
232	100		
131	46.0	34.3	51.5
130	2.5	1.8	2.8
166	28.4	24.1	36.1

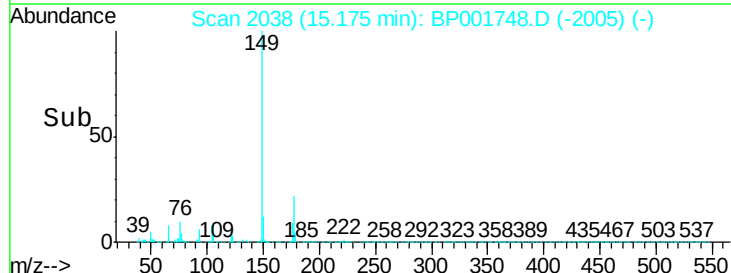
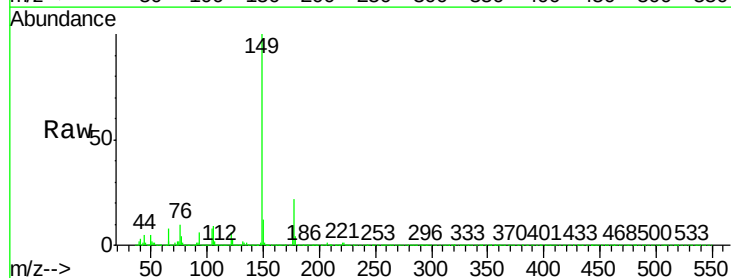
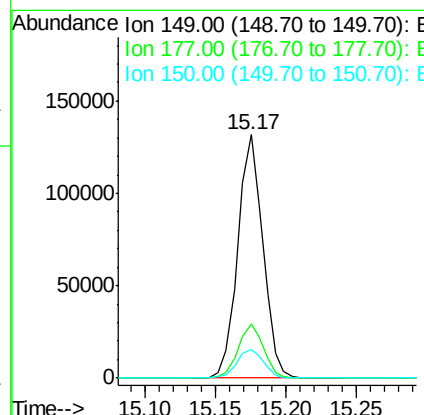
Manual Integrations
APPROVED

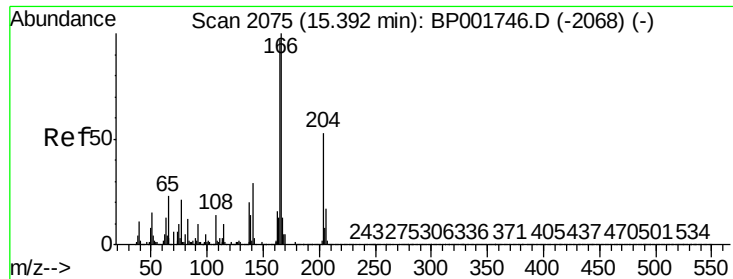
mohammad
2/17/2020 3:50:37 PM



#57
Diethylphthalate
Concen: 3.61 ng/ul
RT: 15.17 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.6	28.0
150	11.8	9.8	14.6





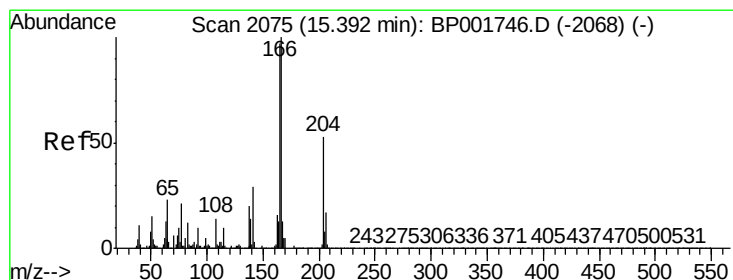
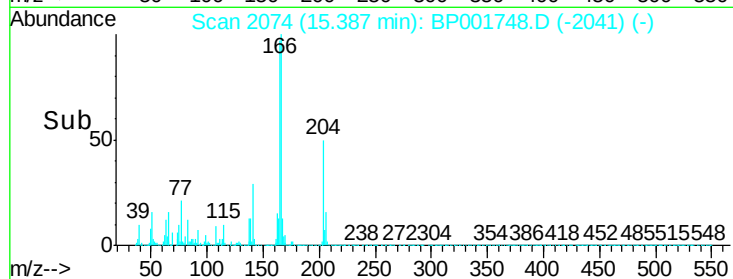
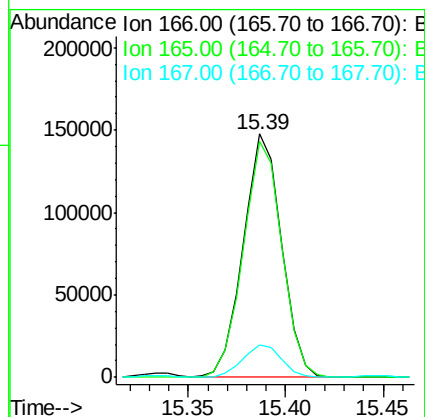
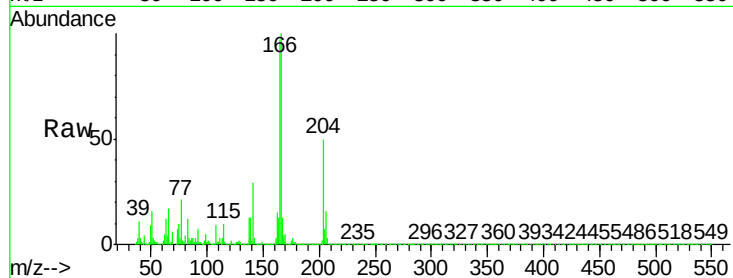
#59
Fluorene
 Concen: 4.26 ng/ul
 RT: 15.39 min Scan# 2074
 Delta R.T. -0.01 min
 Lab File: BP001748.D
 Acq: 14 Feb 2020 16:39

Instrument :
 BNA_P
 ClientSampleId :
 MDL-WATER-01

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	200469		
165	97.1		77.9	116.9
167	13.1		11.0	16.4

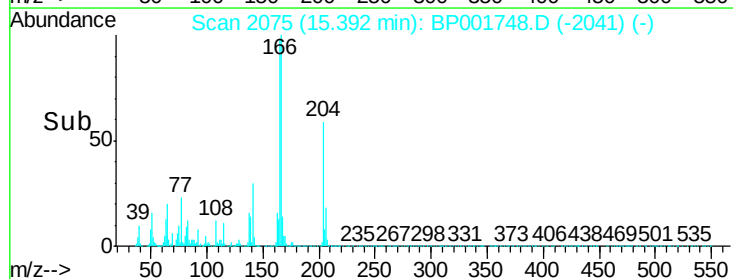
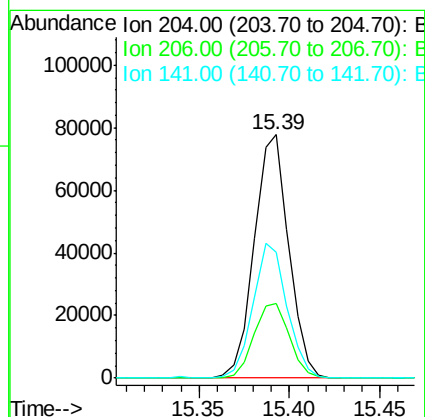
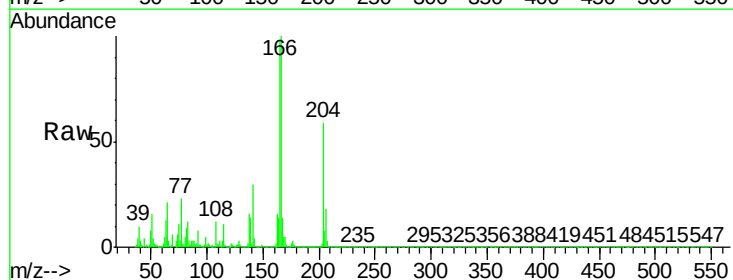
Manual Integrations
 APPROVED

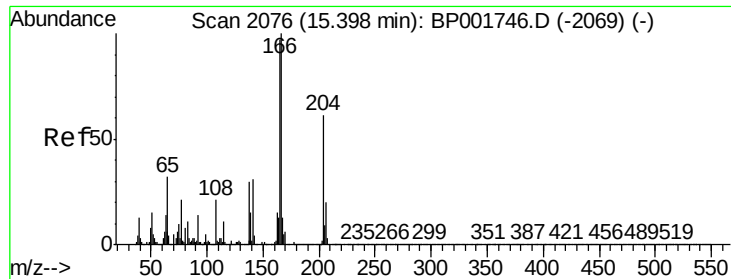
mohammad
 2/17/2020 3:50:37 PM



#60
4-Chlorophenyl-phenylether
 Concen: 4.32 ng/ul
 RT: 15.39 min Scan# 2075
 Delta R.T. 0.00 min
 Lab File: BP001748.D
 Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	102847		
206	30.8		26.5	39.7
141	51.5		43.4	65.0





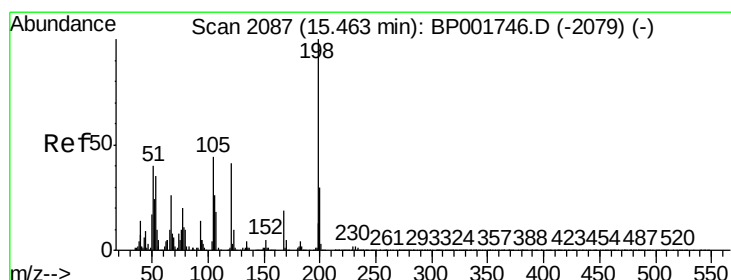
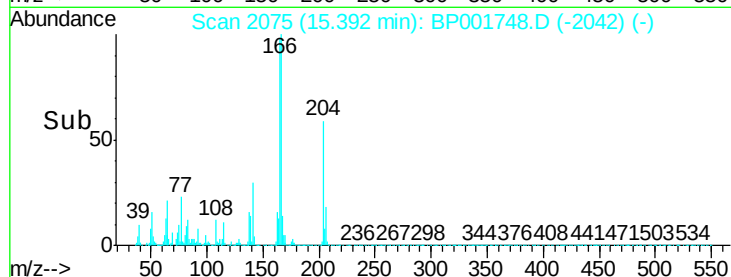
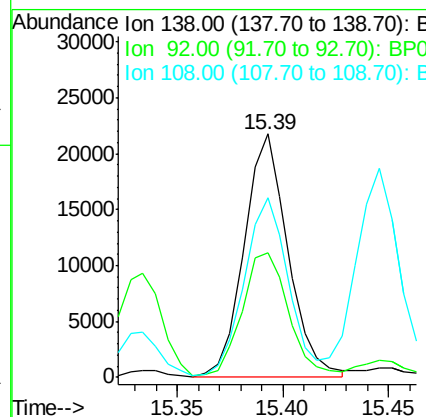
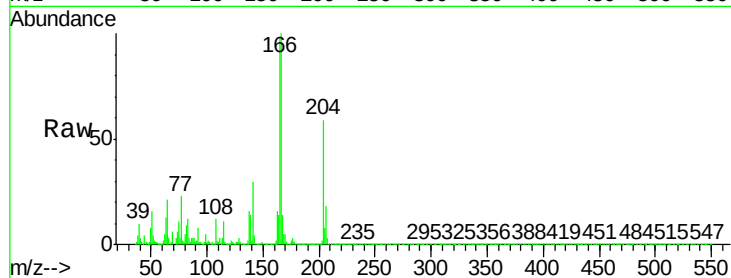
#61
4-Nitroaniline
Concen: 2.95 ng/ul
RT: 15.39 min Scan# 2075
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion	Ratio	Lower	Upper
138	100		
92	51.3	38.8	58.2
108	73.8	57.8	86.6

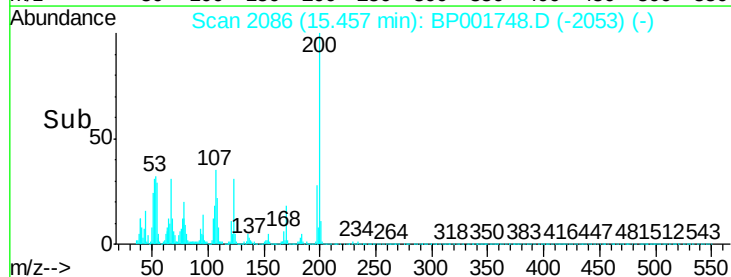
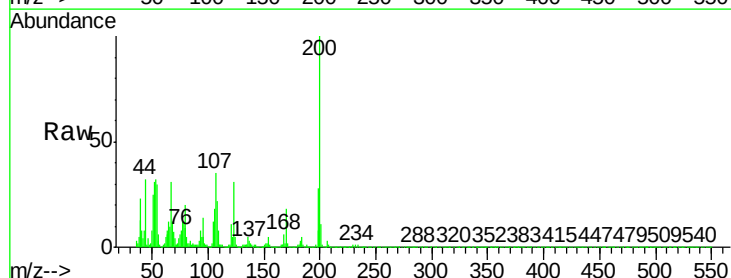
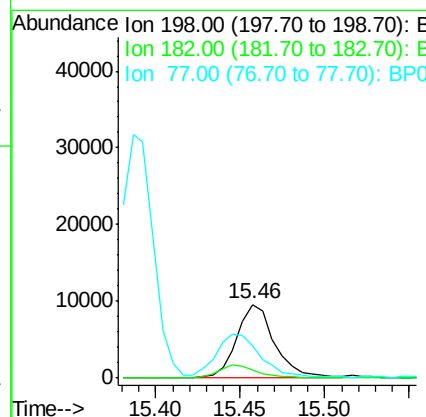
Manual Integrations
APPROVED

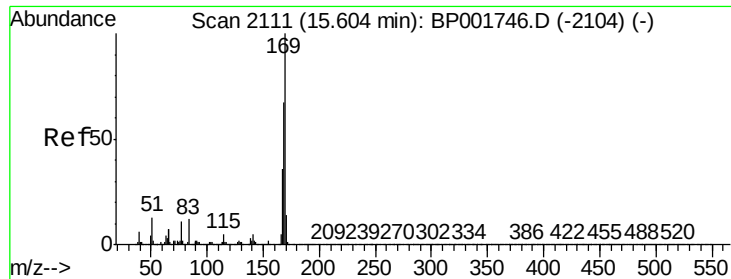
mohammad
2/17/2020 3:50:37 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 2.39 ng/ul
RT: 15.46 min Scan# 2086
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Lower	Upper
198	100		
182	10.9	3.2	4.8#
77	43.7	17.7	26.5#





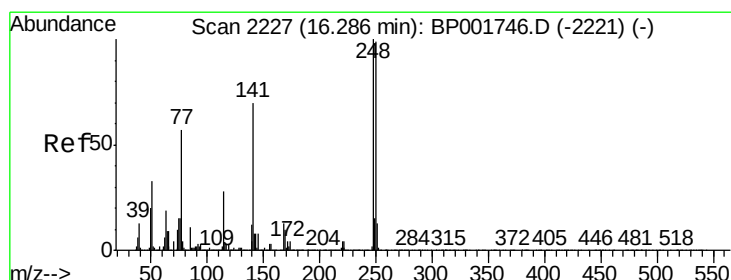
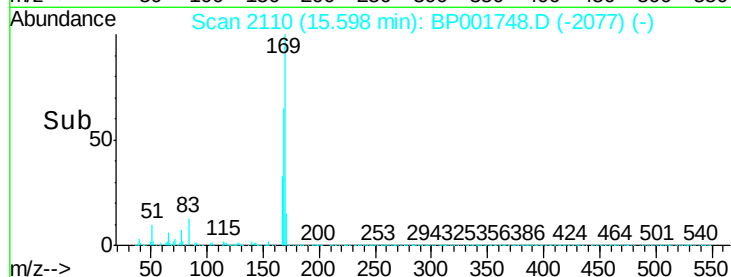
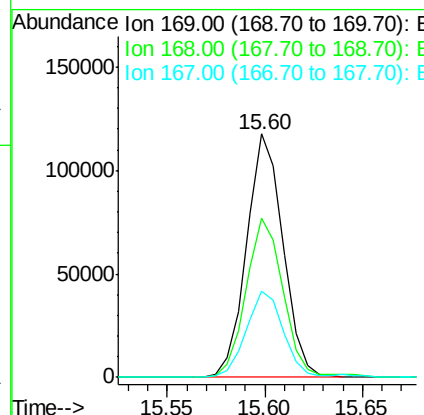
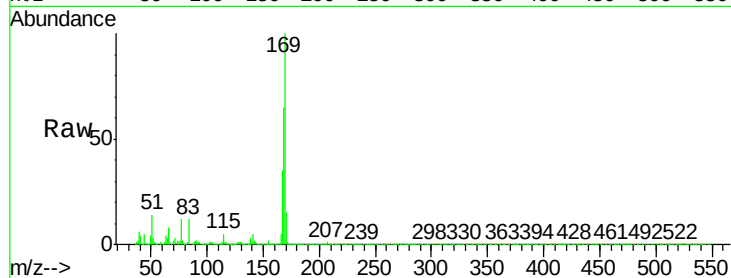
#65
N-Nitrosodiphenylamine
Concen: 3.87 ng/ul
RT: 15.60 min Scan# 2110
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
169	100		
168	65.3	54.1	81.1
167	35.4	28.9	43.3

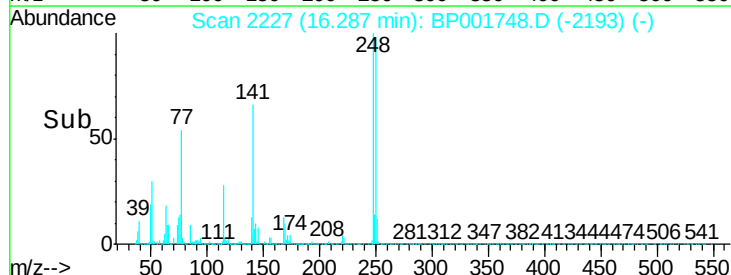
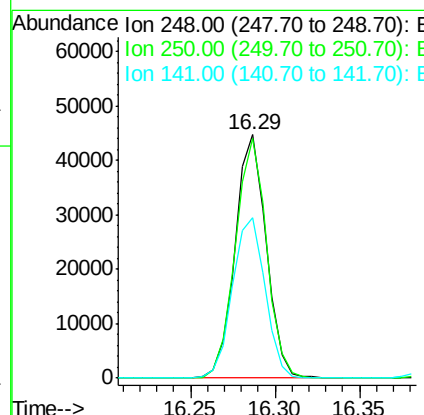
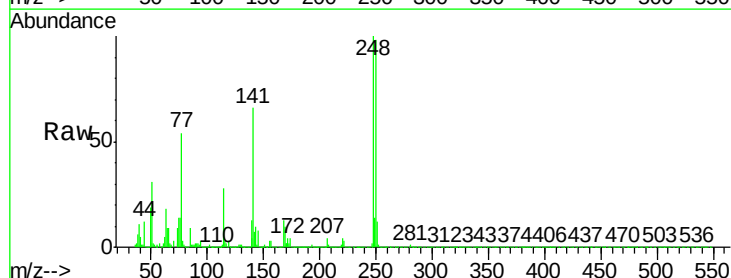
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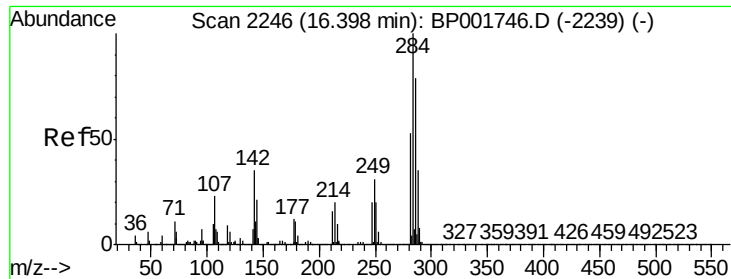
mohammad
2/17/2020 3:50:37 PM



#66
4-Bromophenyl-phenylether
Concen: 3.87 ng/ul
RT: 16.29 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
248	100		
250	98.5	77.4	116.0
141	65.6	56.1	84.1





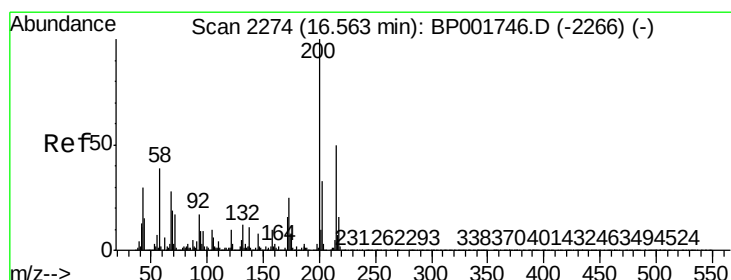
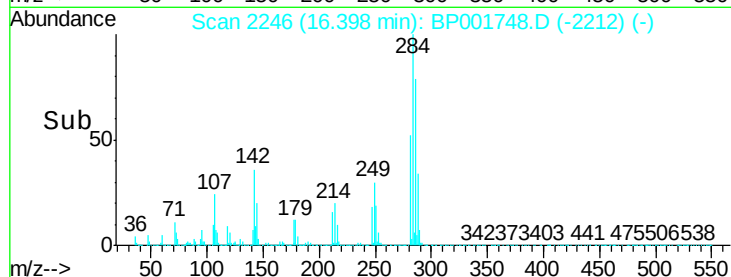
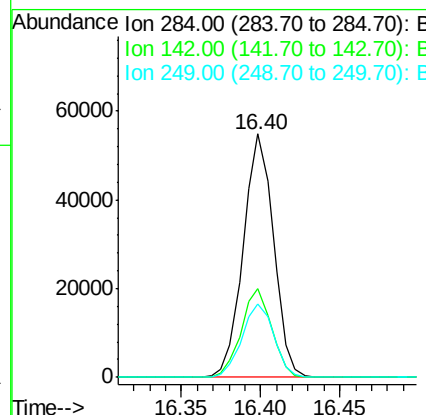
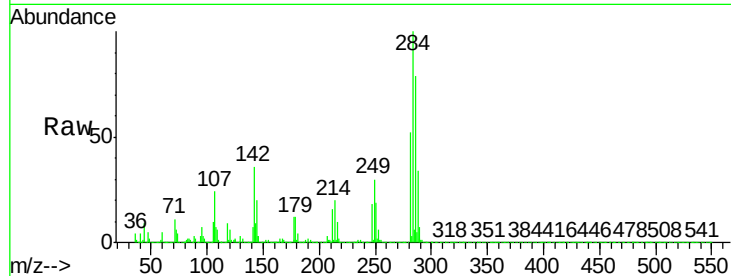
#67
Hexachlorobenzene
Concen: 4.16 ng/ul
RT: 16.40 min Scan# 2246
Delta R.T. 0.00 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	36.3	28.3	42.5
249	30.0	24.5	36.7

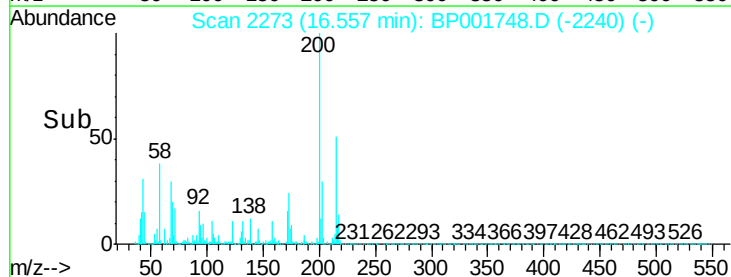
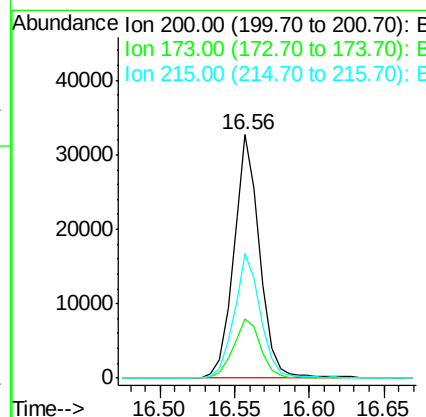
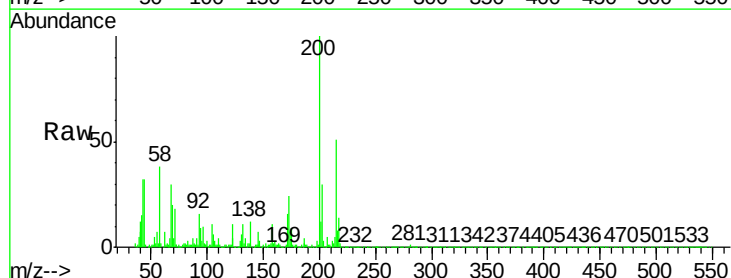
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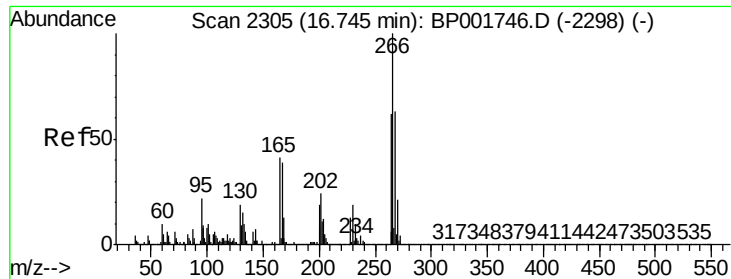
mohammad
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#68
Atrazine
Concen: 2.69 ng/ul
RT: 16.56 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	24.2	19.9	29.9
215	51.0	39.5	59.3





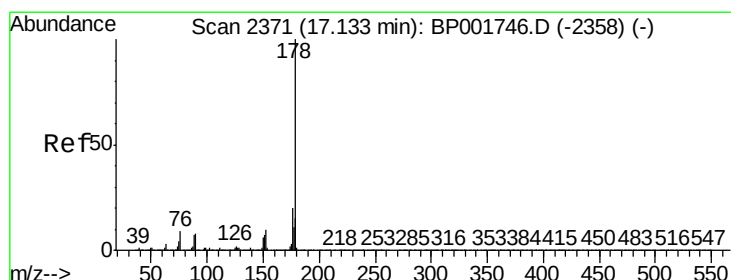
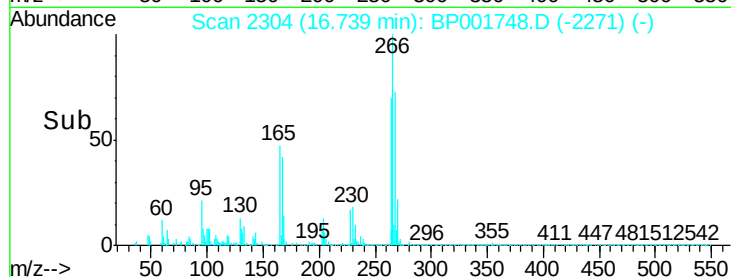
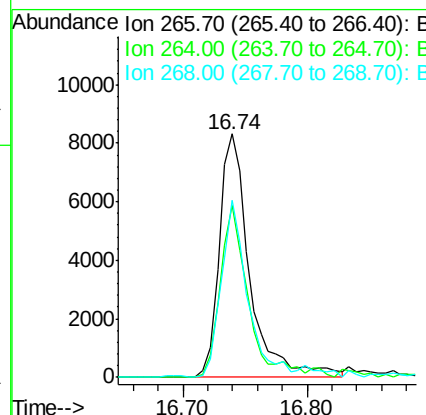
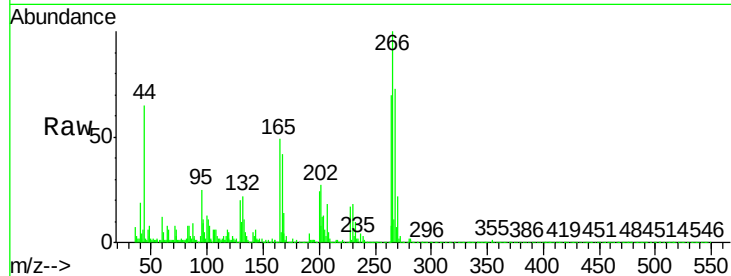
#69
Pentachlorophenol
Concen: 1.68 ng/ul m
RT: 16.74 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion	Ratio	Lower	Upper
266	100		
264	70.4	51.0	76.4
268	72.9	50.8	76.2

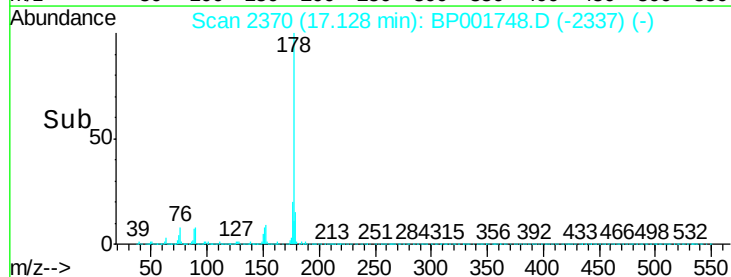
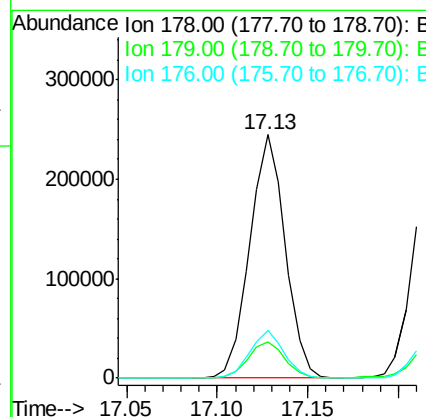
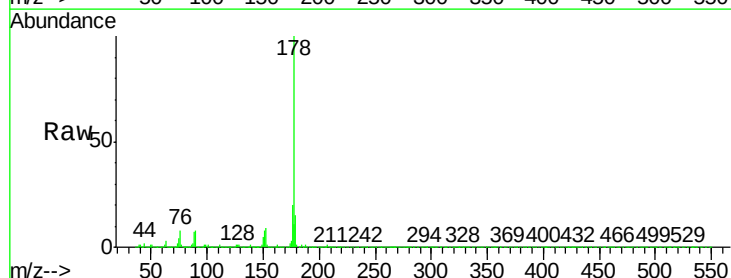
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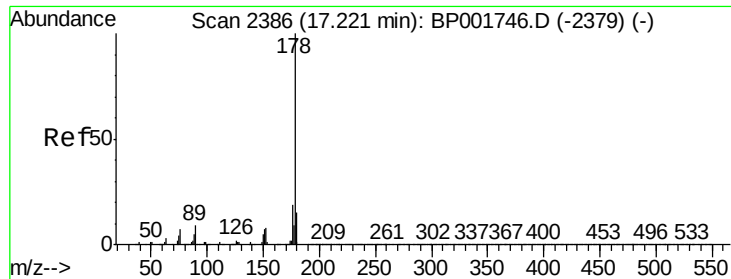
mohammad
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#70
Phenanthrene
Concen: 4.23 ng/ul
RT: 17.13 min Scan# 2370
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.3	18.5
176	19.7	15.1	22.7





#72

Anthracene

Concen: 4.25 ng/uL

RT: 17.22 min Scan# 2386

Delta R.T. 0.00 min

Lab File: BP001748.D

Acq: 14 Feb 2020 16:39

Instrument :

BNA_P

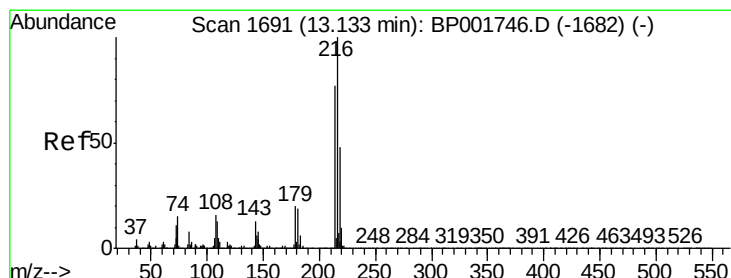
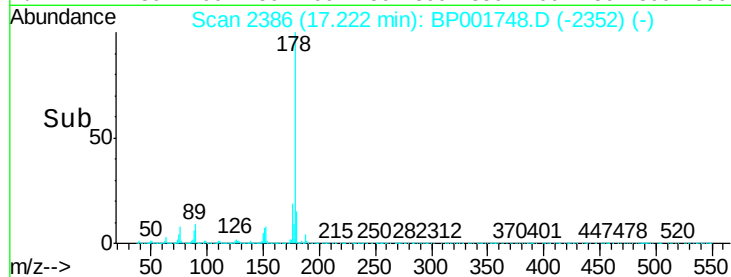
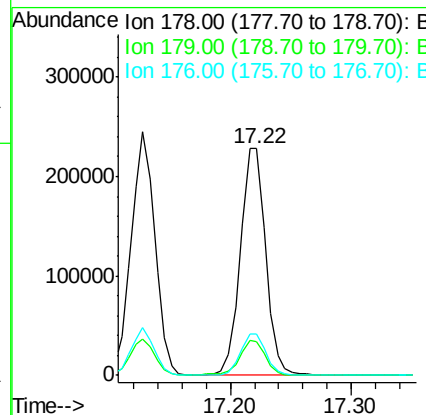
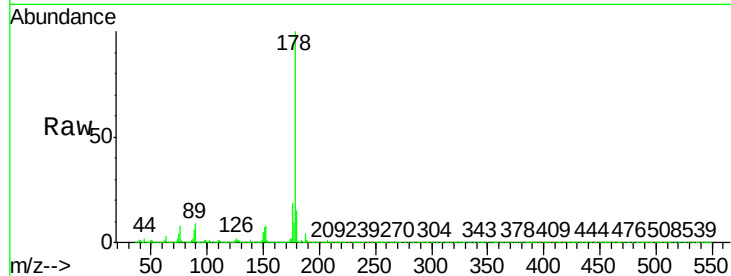
ClientSampleId :

MDL-WATER-01

Tgt Ion:	178	Resp:	334037
Ion Ratio	Lower	Upper	
178	100		
179	15.0	12.2	18.2
176	18.5	15.0	22.4

Manual Integrations
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mohammad
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#73

1,2,3,4-Tetrachlorobenzene

Concen: 4.21 ng/uL

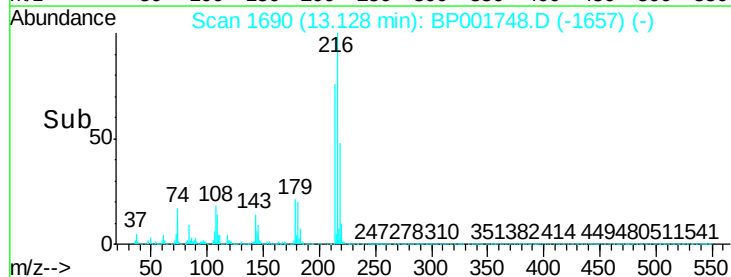
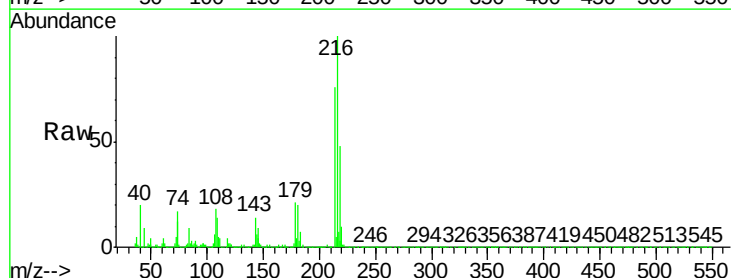
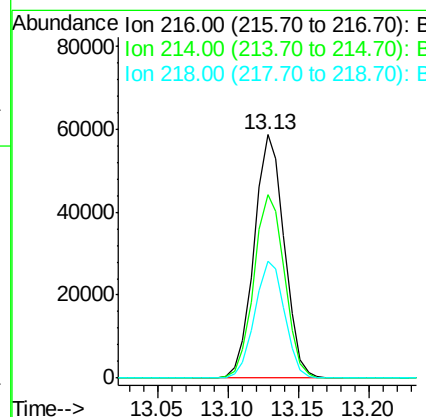
RT: 13.13 min Scan# 1690

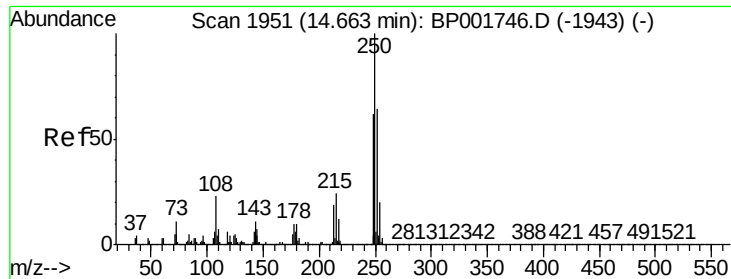
Delta R.T. -0.01 min

Lab File: BP001748.D

Acq: 14 Feb 2020 16:39

Tgt Ion:	216	Resp:	88007
Ion Ratio	Lower	Upper	
216	100		
214	75.6	62.2	93.2
218	48.0	37.8	56.6





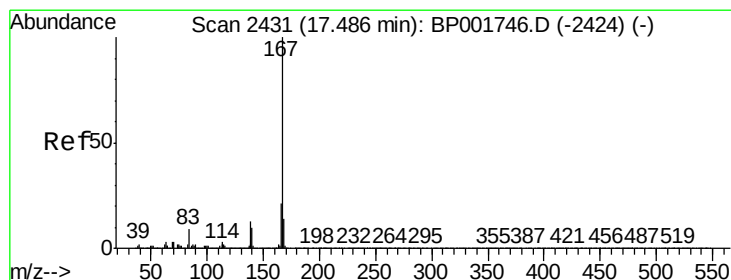
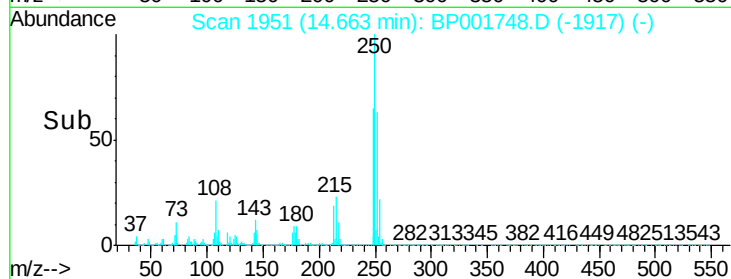
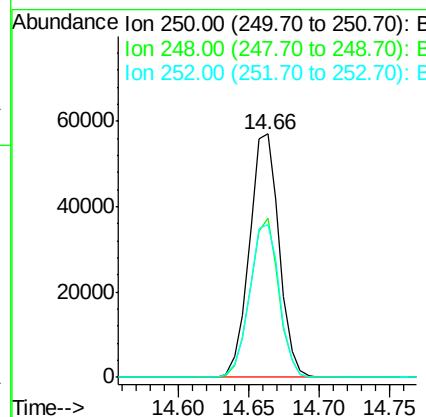
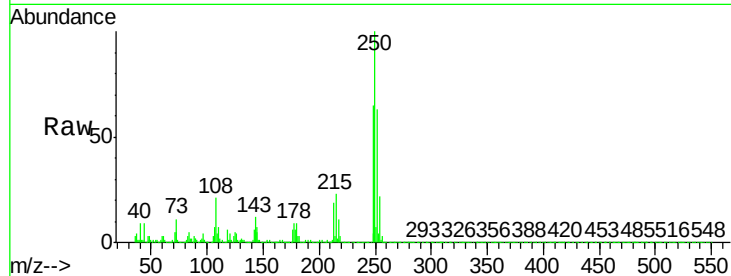
#74
 Pentachlorobenzene
 Concen: 3.95 ng/uL
 RT: 14.66 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: BP001748.D
 Acq: 14 Feb 2020 16:39

Instrument :
 BNA_P
 ClientSampleId :
 MDL-WATER-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
250	100		
248	65.5	51.1	76.7
252	62.9	51.4	77.2

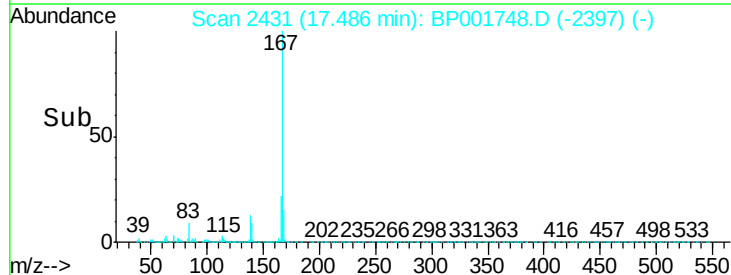
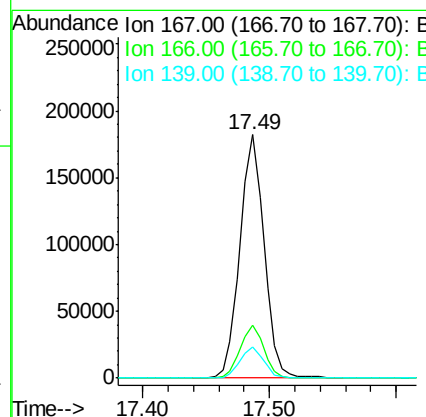
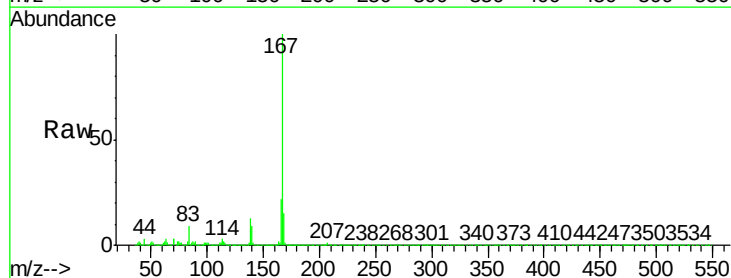
Manual Integrations
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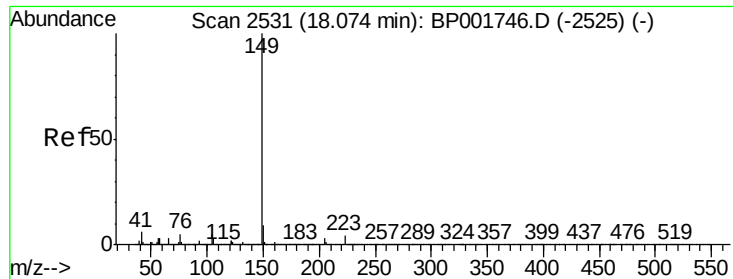
mohammad
 2/17/2020 3:50:37 PM



#75
 Carbazole
 Concen: 3.61 ng/uL
 RT: 17.49 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: BP001748.D
 Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
167	100		
166	21.6	16.8	25.2
139	12.7	10.2	15.2





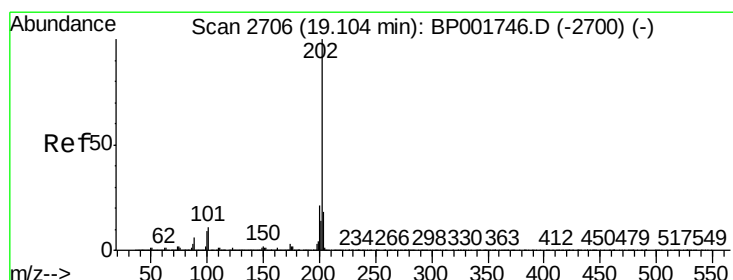
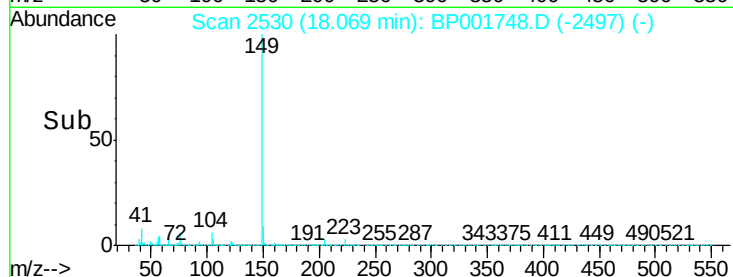
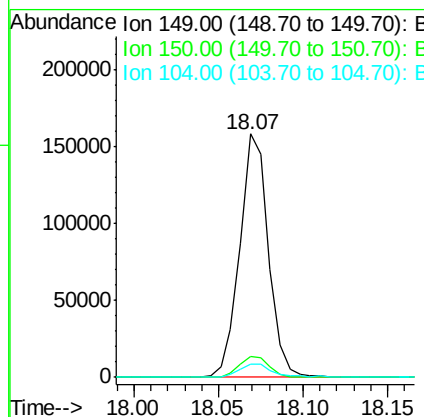
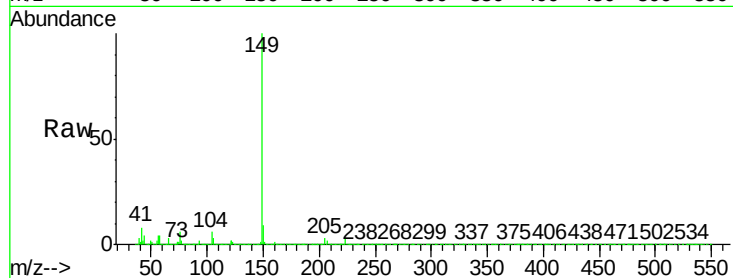
#76
Di-n-butylphthalate
Concen: 2.67 ng/ul
RT: 18.07 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
150	8.7	7.4	11.2
104	5.7	4.2	6.2

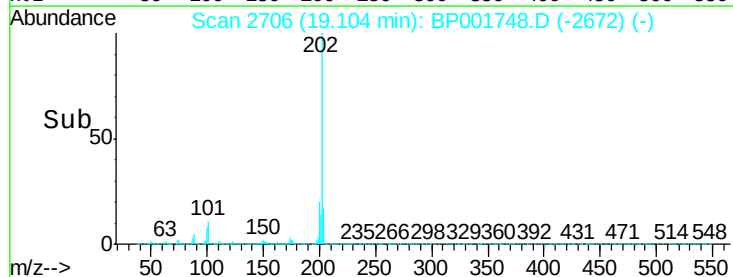
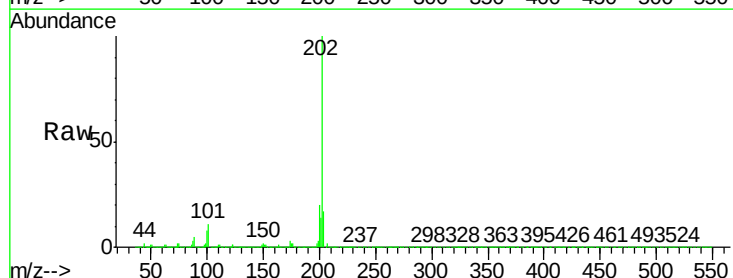
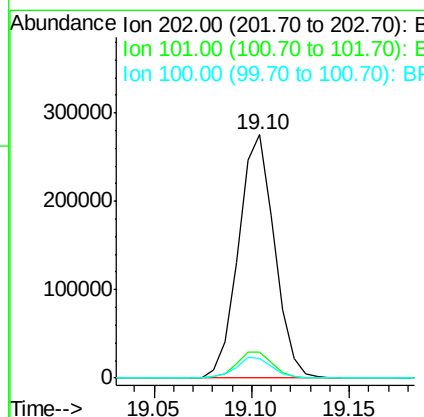
Manual Integrations
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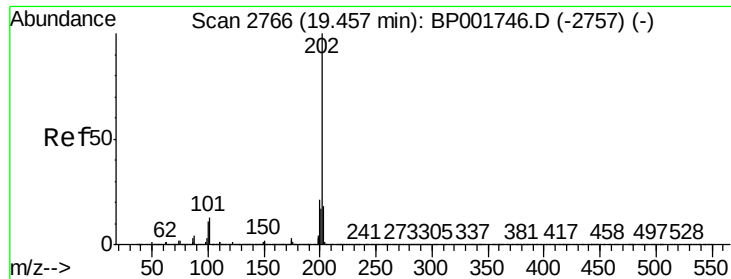
mohammad
2/17/2020 3:50:37 PM



#77
Fluoranthene
Concen: 4.07 ng/ul
RT: 19.10 min Scan# 2706
Delta R.T. 0.00 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.6	8.9	13.3
100	7.9	6.9	10.3





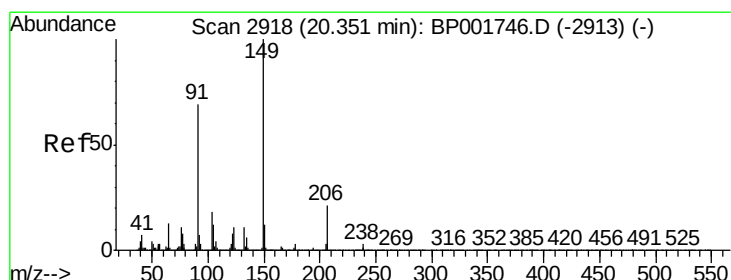
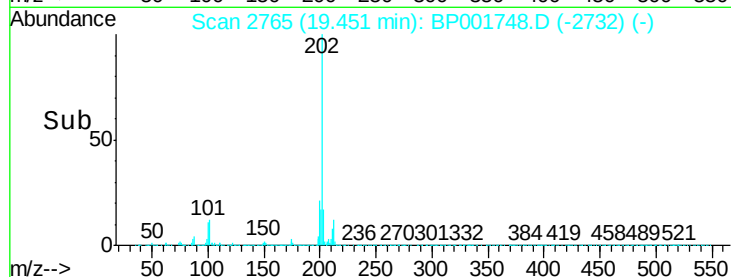
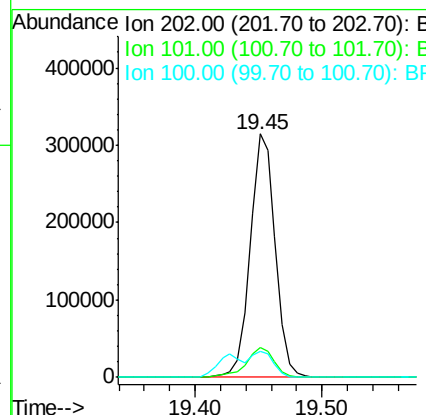
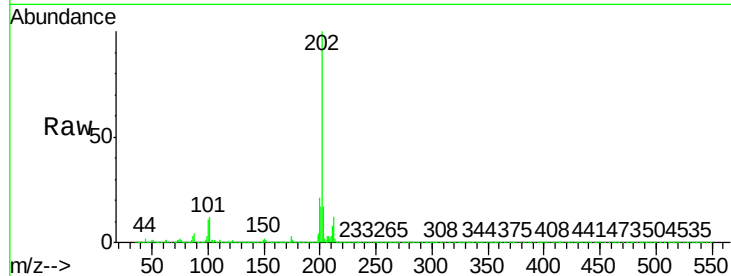
#80
Pyrene
Concen: 4.26 ng/ul
RT: 19.45 min Scan# 2765
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.4	10.2	15.2
100	10.9	8.4	12.6

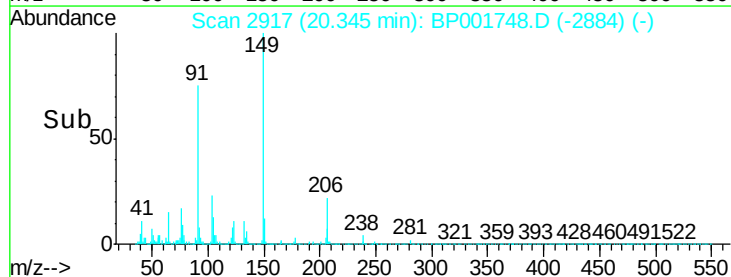
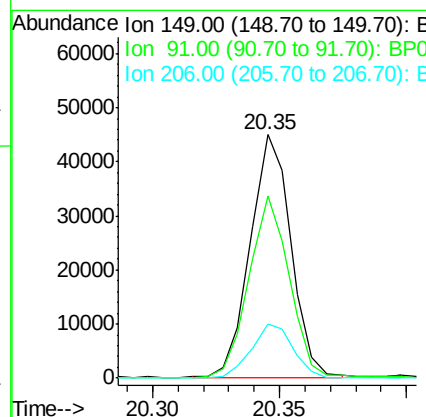
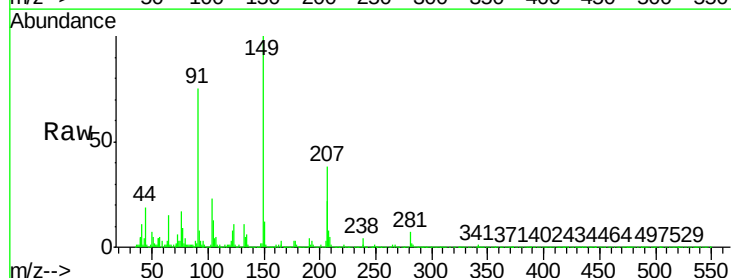
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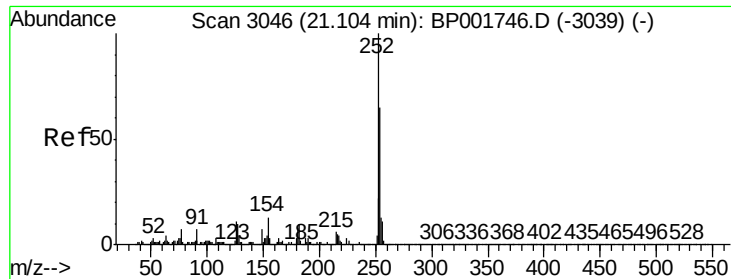
mohammad
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#81
Butylbenzylphthalate
Concen: 1.68 ng/ul
RT: 20.35 min Scan# 2917
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	74.7	55.9	83.9
206	22.3	17.9	26.9





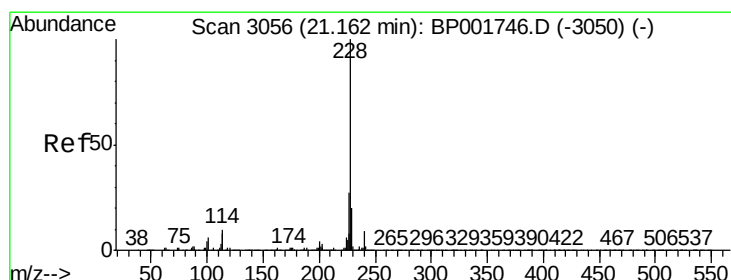
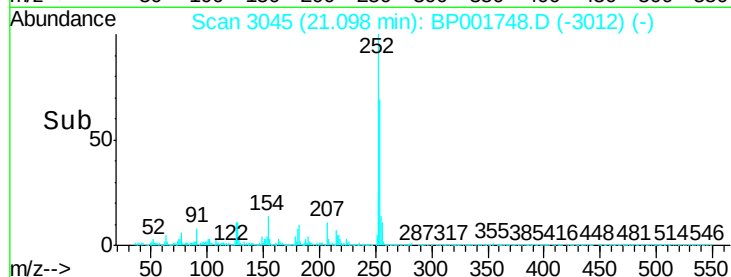
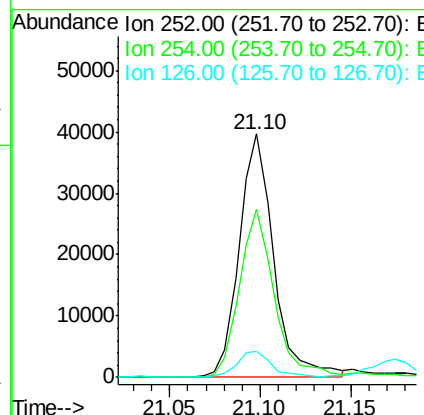
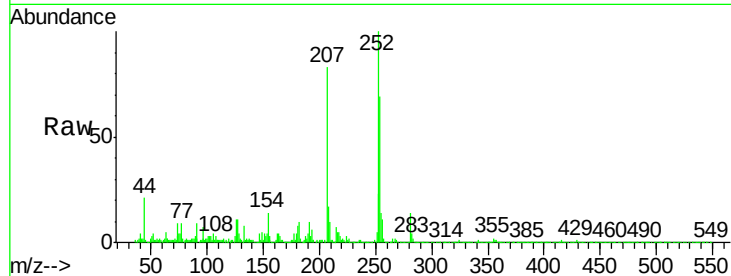
#82
 3,3'-Dichlorobenzidine
 Concen: 1.71 ng/ul
 RT: 21.10 min Scan# 3045
 Delta R.T. -0.01 min
 Lab File: BP001748.D
 Acq: 14 Feb 2020 16:39

Instrument :
 BNA_P
 ClientSampled :
 MDL-WATER-01

Tgt Ion	Ratio	Lower	Upper
252	100		
254	69.3	51.4	77.2
126	10.9	7.5	11.3

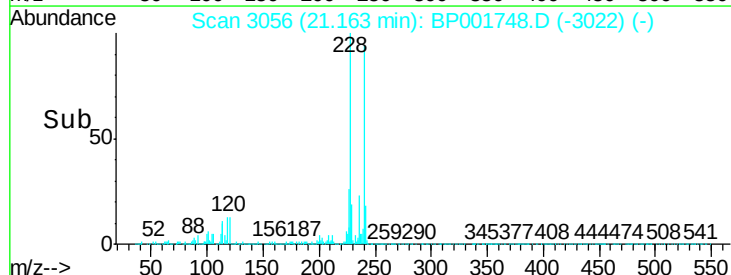
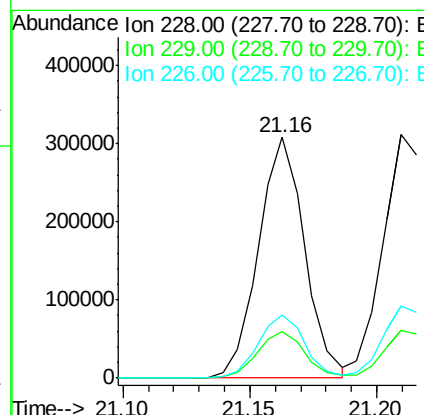
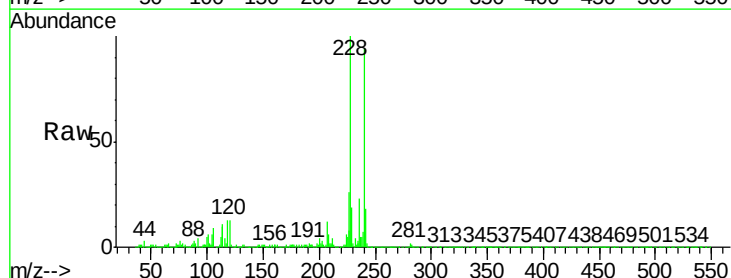
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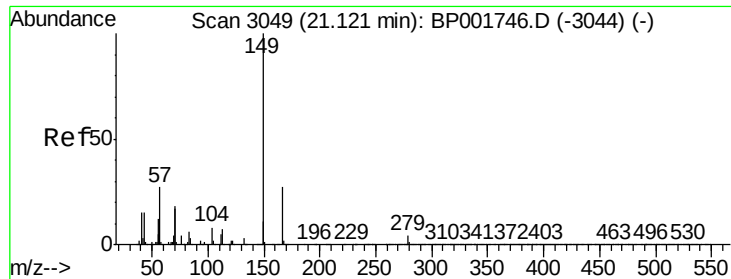
mohammad
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#83
 Benzo(a)anthracene
 Concen: 3.81 ng/ul
 RT: 21.16 min Scan# 3056
 Delta R.T. 0.00 min
 Lab File: BP001748.D
 Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.4	14.9	22.3
226	26.5	20.8	31.2





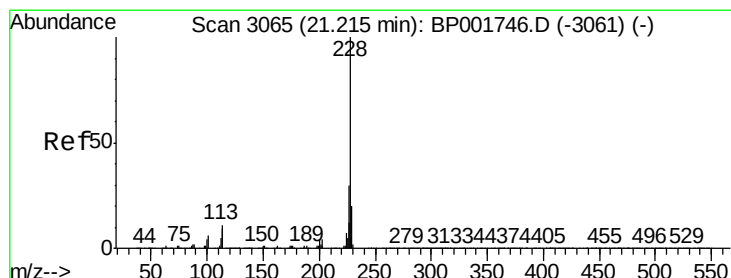
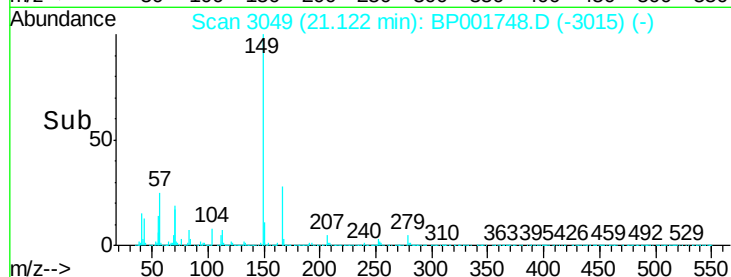
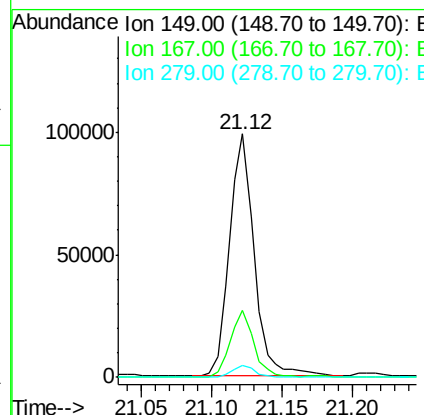
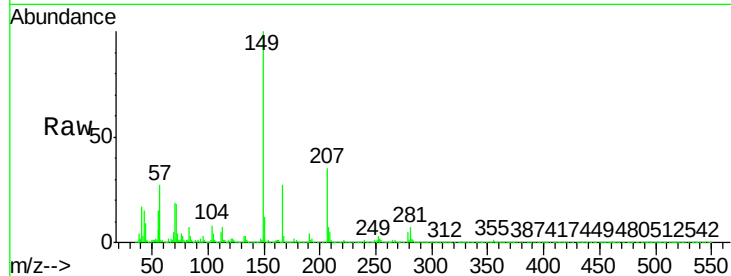
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.46 ng/ul
 RT: 21.12 min Scan# 3049
 Delta R.T. 0.00 min
 Lab File: BP001748.D
 Acq: 14 Feb 2020 16:39

Instrument :
 BNA_P
 ClientSampleId :
 MDL-WATER-01

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	120241		
167	27.5	22.1	33.1	
279	4.8	3.3	4.9	

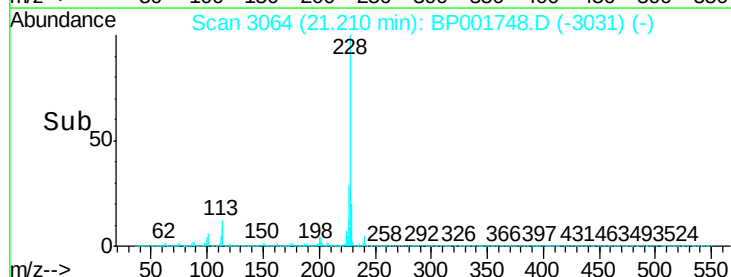
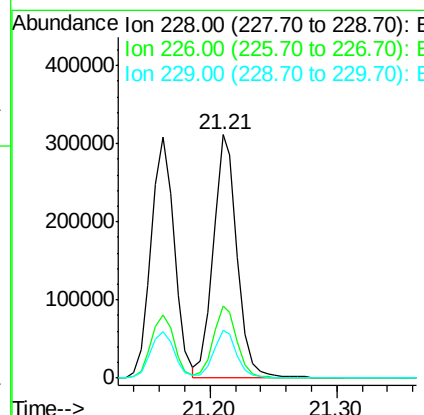
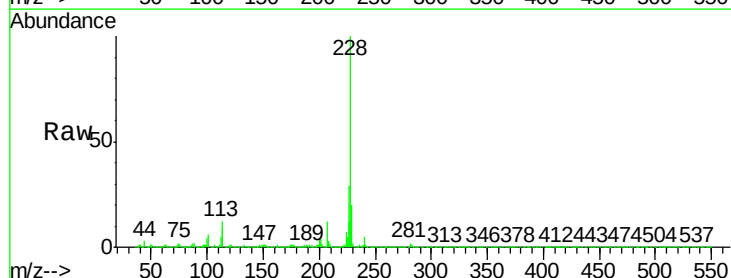
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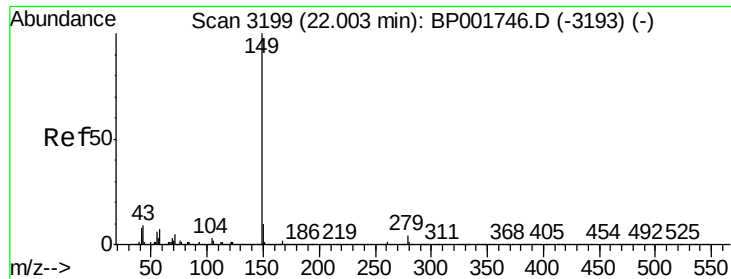
mohammad
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#85
 Chrysene
 Concen: 4.14 ng/ul
 RT: 21.21 min Scan# 3064
 Delta R.T. -0.01 min
 Lab File: BP001748.D
 Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	409561		
226	29.4	24.3	36.5	
229	19.7	16.2	24.4	





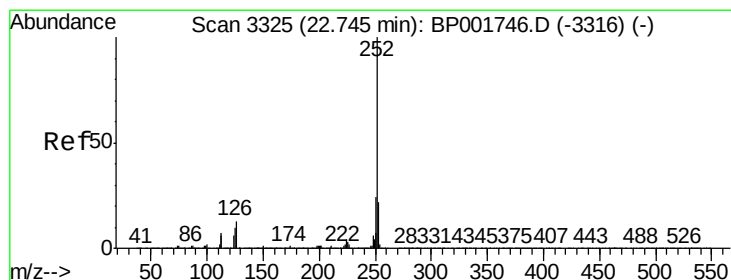
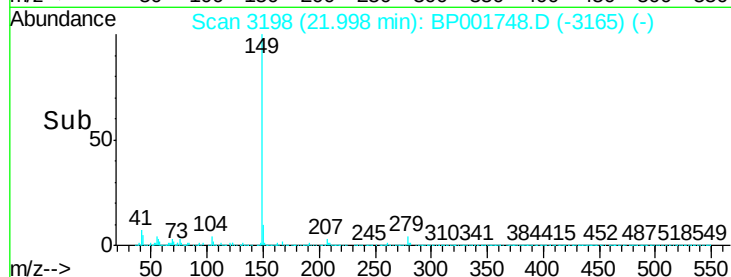
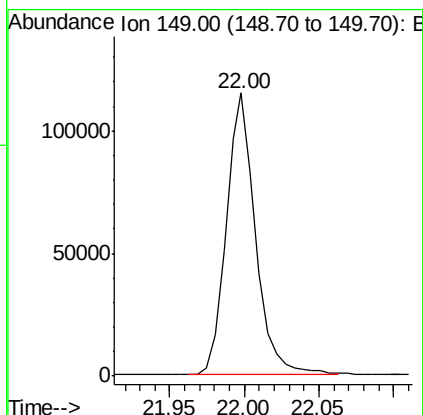
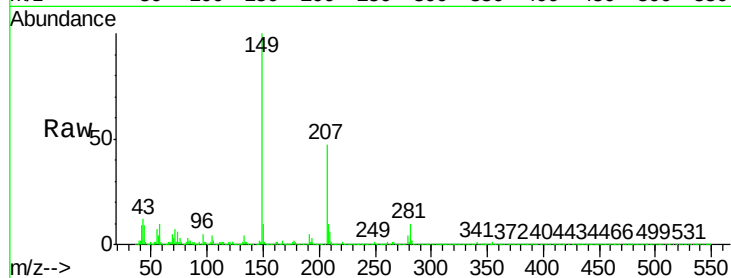
#87
Di-n-octyl phthalate
Concen: 1.98 ng/ul
RT: 22.00 min Scan# 3198
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion:149 Resp: 156284

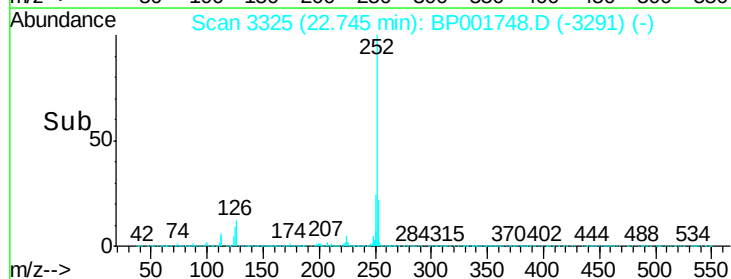
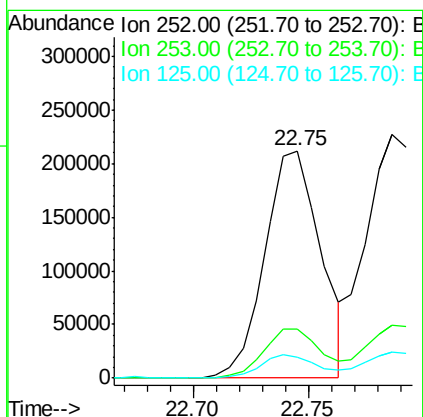
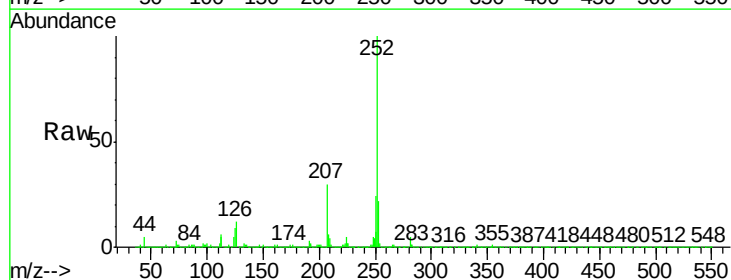
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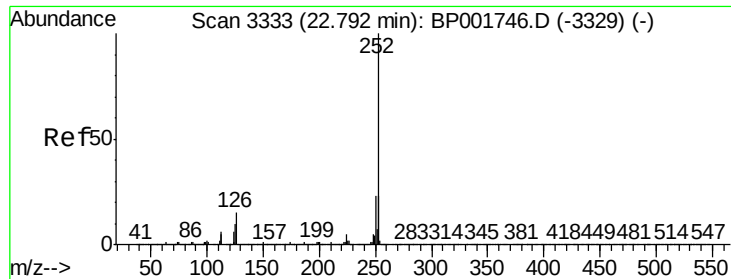
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#88
Benzo(b)fluoranthene
Concen: 3.48 ng/ul
RT: 22.75 min Scan# 3325
Delta R.T. 0.00 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion:252 Resp: 356193
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 9.4 8.0 12.0





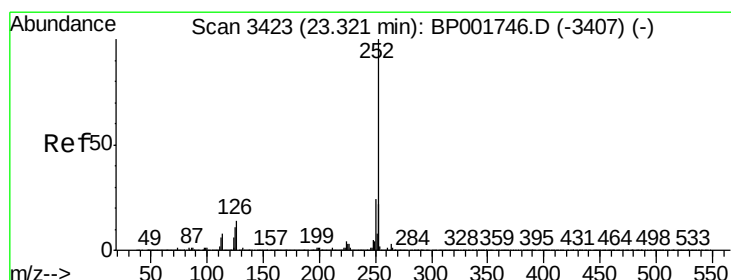
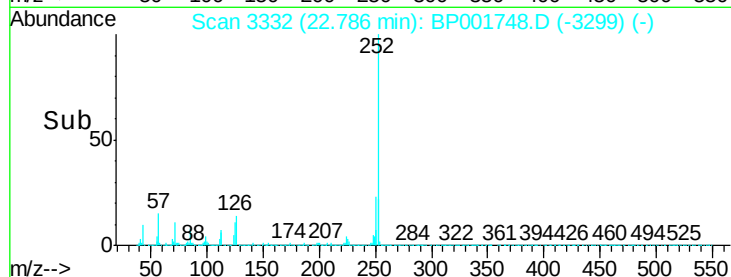
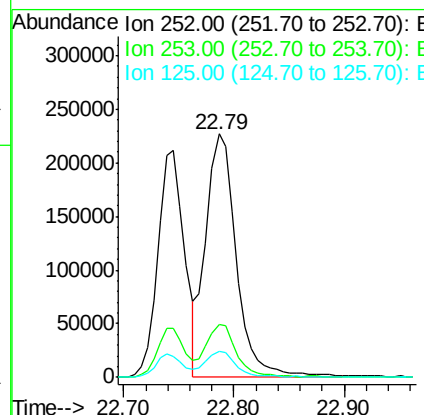
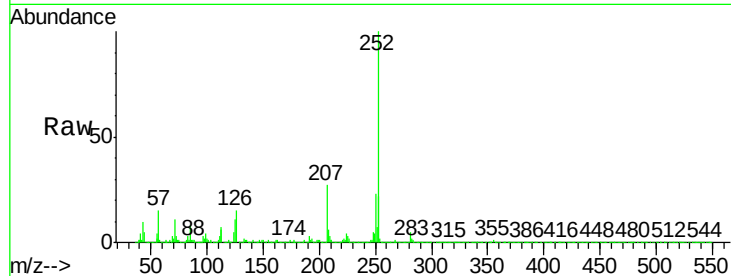
#89
Benzo(k)fluoranthene
Concen: 4.16 ng/ul
RT: 22.79 min Scan# 3332
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.4	27.6
125	10.9	8.3	12.5

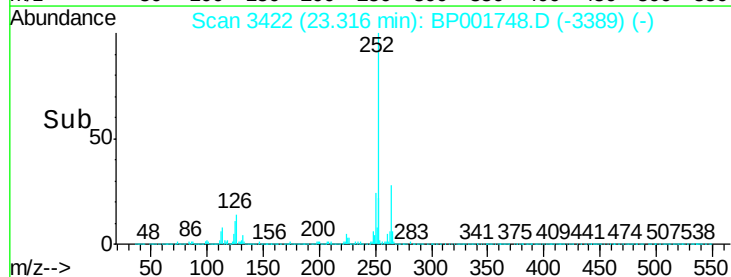
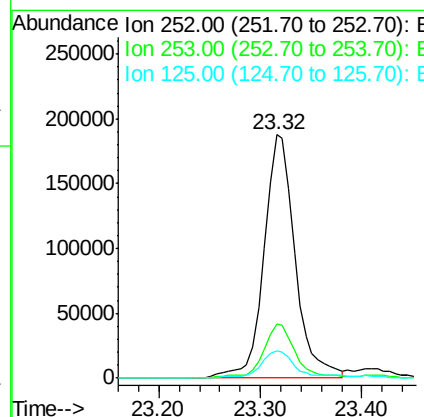
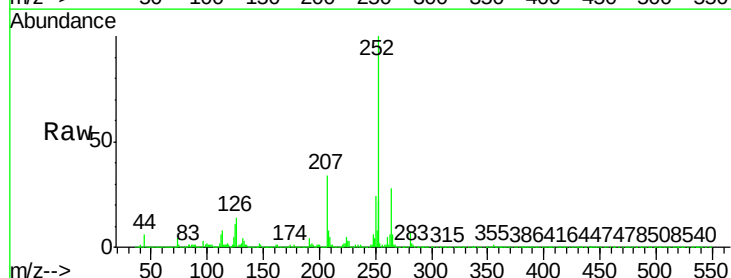
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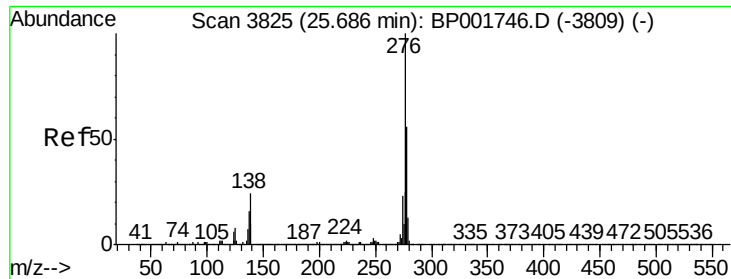
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#91
Benzo(a)pyrene
Concen: 4.10 ng/ul
RT: 23.32 min Scan# 3422
Delta R.T. -0.01 min
Lab File: BP001748.D
Acq: 14 Feb 2020 16:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	11.4	8.9	13.3





#92

Indeno(1,2,3-cd)pyrene

Concen: 3.47 ng/ul

RT: 25.68 min Scan# 3824

Delta R.T. -0.01 min

Lab File: BP001748.D

Acq: 14 Feb 2020 16:39

Instrument :

BNA_P

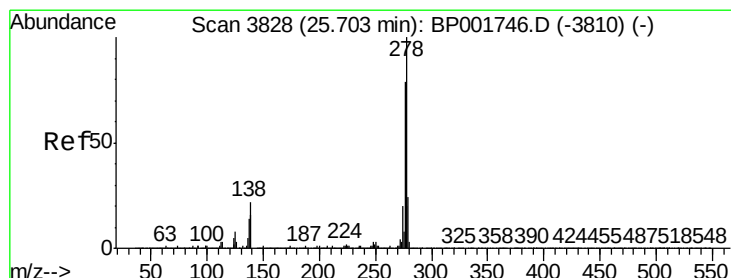
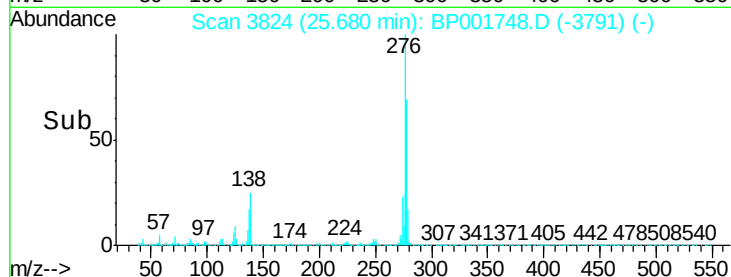
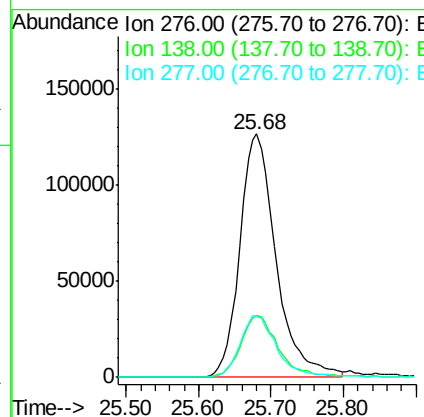
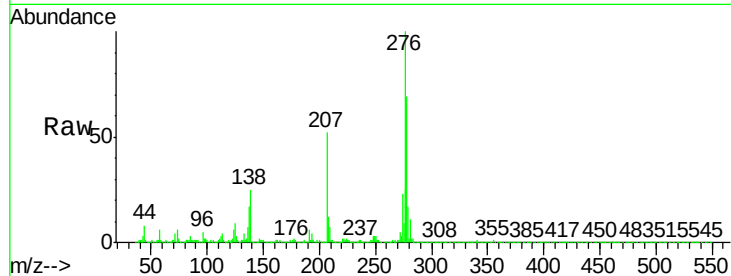
ClientSampleId :

MDL-WATER-01

Tgt Ion:	276	Resp:	441625
Ion Ratio		Lower	Upper
276	100		
138	25.2	19.4	29.2
277	24.9	19.9	29.9

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#93

Dibenzo(a,h)anthracene

Concen: 3.50 ng/ul

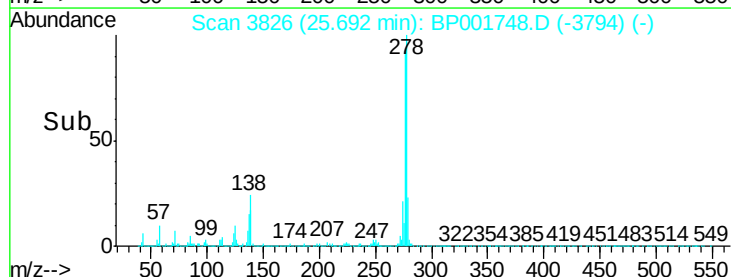
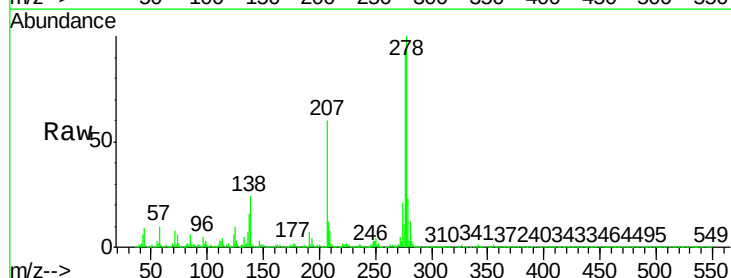
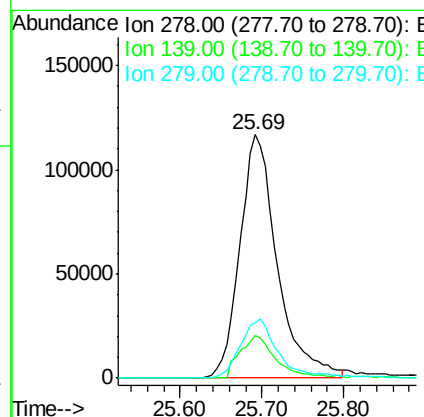
RT: 25.69 min Scan# 3826

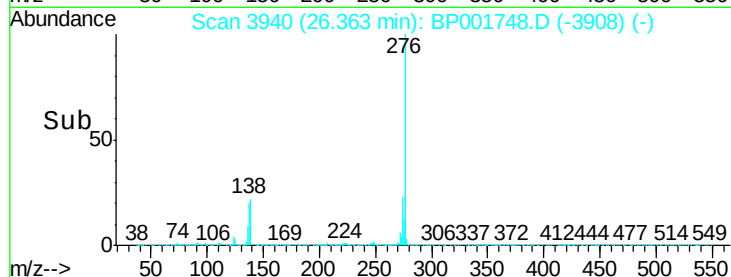
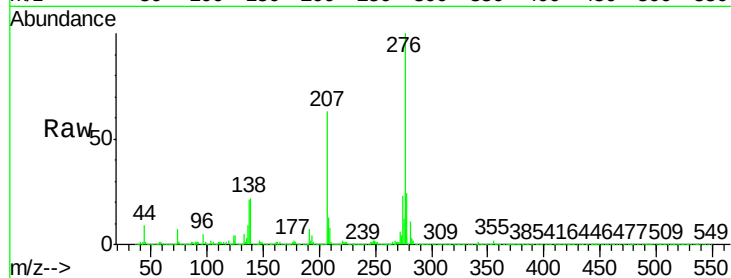
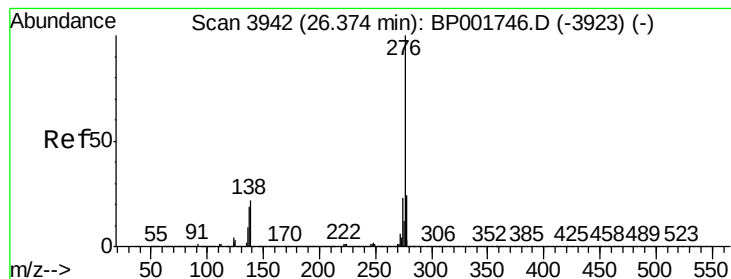
Delta R.T. -0.01 min

Lab File: BP001748.D

Acq: 14 Feb 2020 16:39

Tgt Ion:	278	Resp:	371541
Ion Ratio		Lower	Upper
278	100		
139	17.5	12.9	19.3
279	23.0	18.7	28.1





#94

Benzo(g,h,i)perylene

Concen: 3.48 ng/ul

RT: 26.36 min Scan# 3940

Delta R.T. -0.01 min

Lab File: BP001748.D

Acq: 14 Feb 2020 16:39

Instrument :

BNA_P

ClientSampleId :

MDL-WATER-01

Tgt Ion:	276	Resp:	376814
Ion Ratio	Lower	Upper	
276	100		
138	22.3	17.0	25.4
277	23.5	19.0	28.4

Manual Integrations
APPROVED

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