

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP030321\
 Data File : BP004893.D
 Acq On : 03 Mar 2021 14:53
 Operator : CG/JU
 Sample : M1534-08
 Misc : SOM-MDL-S-1
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-01

Manual Integrations
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mohammad
 3/4/2021 11:33:28 AM

Quant Time: Mar 03 15:30:30 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP030221MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 03 10:35:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	23227	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	95986	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.39	164	65357	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.15	188	145322	20.00	ng/ul	-0.01
78) Chrysene-d12	21.24	240	165094	20.00	ng/ul	-0.01
86) Perylene-d12	23.54	264	165082	20.00	ng/ul	-0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.23	96	3152	5.34	ng/uL	0.00
5) Phenol-d5	6.92	99	66002	34.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	39881	40.66	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.28	132	55207	37.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	54805	36.36	ng/ul	-0.01
19) Nitrobenzene-d5	8.90	128	26287	37.60	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	29512	37.59	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.16	165	52092	35.09	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.68	131	73423	43.27	ng/ul	0.00
44) Dimethylphthalate-d6	13.80	166	184884	38.67	ng/ul	-0.01
47) Acenaphthylene-d8	14.09	160	215857	36.87	ng/ul	0.00
52) 4-Nitrophenol-d4	14.60	143	28952	33.85	ng/ul	-0.01
58) Fluorene-d10	15.39	176	158607	39.02	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.51	200	32579	34.38	ng/ul	-0.01
71) Anthracene-d10	17.25	188	249926	37.92	ng/ul	0.00
79) Pyrene-d10	19.49	212	284920	36.57	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.39	264	335210	39.62	ng/ul	-0.01

Target Compounds				Ovalue		
2) 1,4-Dioxane	3.26	88	872	1.357	ng/uL#	88
4) Benzaldehyde	6.89	77	5790	5.989	ng/ul	97
6) Phenol	6.94	94	8215	4.131	ng/ul#	84
8) Bis(2-Chloroethyl)ether	7.17	93	6804	4.649	ng/ul	99
10) 2-Chlorophenol	7.30	128	6835m	4.472	ng/ul	
11) 2-Methylphenol	8.19	108	6005m	4.049	ng/ul	
12) 2,2'-oxybis(1-Chloropropan	8.26	45	4159m	4.396	ng/ul	
14) Acetophenone	8.56	105	10737	4.309	ng/ul	95
15) N-Nitroso-di-n-propylamine	8.55	70	5482	4.548	ng/ul#	94
16) 4-Methylphenol	8.51	108	6850	4.293	ng/ul	85
17) Hexachloroethane	8.82	117	2931	4.356	ng/ul#	86
20) Nitrobenzene	8.94	77	8776	4.629	ng/ul	99
21) Isophorone	9.47	82	14163	4.367	ng/ul#	97
23) 2-Nitrophenol	9.65	139	3782	4.282	ng/ul	92
24) 2,4-Dimethylphenol	9.72	107	8426	4.297	ng/ul	96
25) Bis(2-Chloroethoxy)methane	9.95	93	7999	4.084	ng/ul	99
27) 2,4-Dichlorophenol	10.18	162	6832	4.473	ng/ul	93
28) Naphthalene	10.58	128	22387	4.407	ng/ul	97
30) 4-Chloroaniline	10.70	127	8837m	5.052	ng/ul	
31) Hexachlorobutadiene	10.87	225	4966	4.438	ng/ul#	88
32) Caprolactam	11.51	113	1997m	4.024	ng/ul	
33) 4-Chloro-3-methylphenol	11.83	107	7005	4.027	ng/ul#	82
34) 2-Methylnaphthalene	12.20	142	15666	4.335	ng/ul	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

35) 1-Methylnaphthalene	12.42	142	14852	4.229	ng/ul#	95
37) 1,2,4,5-Tetrachlorobenzene	12.57	216	9195	4.389	ng/ul	94
38) Hexachlorocyclopentadiene	12.55	237	4933	3.695	ng/ul	98
39) 2,4,6-Trichlorophenol	12.82	196	5113	3.896	ng/ul	86
40) 2,4,5-Trichlorophenol	12.90	196	5167	3.674	ng/ul	98
41) 1,1'-Biphenyl	13.22	154	20566	4.203	ng/ul	97
42) 2-Chloronaphthalene	13.26	162	15978	4.154	ng/ul	97
43) 2-Nitroaniline	13.48	65	3943	3.583	ng/ul	89
45) Dimethylphthalate	13.85	163	21953	4.467	ng/ul#	95
46) 2,6-Dinitrotoluene	13.97	165	3655	3.719	ng/ul	97
48) Acenaphthylene	14.12	152	24649	4.398	ng/ul	97
49) 3-Nitroaniline	14.31	138	3531	3.934	ng/ul	93
50) Acenaphthene	14.46	153	17546	4.311	ng/ul	96
51) 2,4-Dinitrophenol	14.51	184	1826	2.889	ng/ul#	86
53) 4-Nitrophenol	14.62	109	4128	4.445	ng/ul	84
54) Dibenzofuran	14.79	168	25843	4.388	ng/ul	100
55) 2,4-Dinitrotoluene	14.76	165	5500	3.798	ng/ul#	97
56) 2,3,4,6-Tetrachlorophenol	15.03	232	5223	4.205	ng/ul#	94
57) Diethylphthalate	15.22	149	21212	4.268	ng/ul	98
59) Fluorene	15.45	166	21004	4.276	ng/ul	95
60) 4-Chlorophenyl-phenylether	15.45	204	11544	4.462	ng/ul	95
61) 4-Nitroaniline	15.47	138	3811	3.717	ng/ul	94
64) 4,6-Dinitro-2-methylphenol	15.53	198	4150	4.321	ng/ul#	89
65) N-Nitrosodiphenylamine	15.66	169	18618	4.363	ng/ul	98
66) 4-Bromophenyl-phenylether	16.34	248	6736	4.382	ng/ul	97
67) Hexachlorobenzene	16.45	284	7843	4.445	ng/ul#	84
68) Atrazine	16.62	200	6562	3.923	ng/ul	95
69) Pentachlorophenol	16.80	266	3357	3.104	ng/ul	95
70) Phenanthrene	17.19	178	33747	4.273	ng/ul	98
72) Anthracene	17.28	178	36074	4.474	ng/ul	98
73) 1,2,3,4-Tetrachlorobenzene	13.18	216	8682	4.013	ng/uL	97
74) Pentachlorobenzene	14.71	250	8735	4.145	ng/uL	97
75) Carbazole	17.56	167	27957	3.943	ng/ul	97
76) Di-n-butylphthalate	18.12	149	32462	3.872	ng/ul	99
77) Fluoranthene	19.17	202	39005	4.117	ng/ul	98
80) Pvrene	19.52	202	43906	4.305	ng/ul	97
81) Butylbenzylphthalate	20.40	149	14596	3.668	ng/ul	92
82) 3,3'-Dichlorobenzidine	21.16	252	13158	3.827	ng/ul#	94
83) Benzo(a)anthracene	21.22	228	42640	4.180	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.16	149	21446	3.607	ng/ul	100
85) Chrysene	21.27	228	42698	4.296	ng/ul	100
87) Di-n-octyl phthalate	22.05	149	36991	3.329	ng/ul	100
88) Benzo(b)fluoranthene	22.84	252	45154	4.302	ng/ul	95
89) Benzo(k)fluoranthene	22.89	252	43624	4.203	ng/ul	94
91) Benzo(a)pyrene	23.43	252	39810	4.320	ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	25.89	276	50412	4.274	ng/ul	95
93) Dibenzo(a,h)anthracene	25.90	278	43046	4.291	ng/ul	97
94) Benzo(a,h,i)perylene	26.60	276	41828	4.260	ng/ul	96

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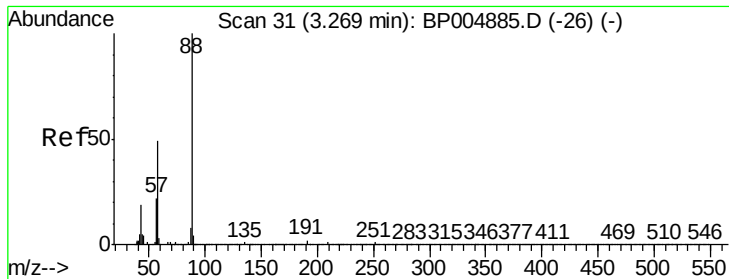
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

1,4-Dioxane

Concen: 1.357 ng/uL

RT: 3.26 min Scan# 30

Delta R.T. -0.01 min

Lab File: BP004893.D

Acq: 03 Mar 2021 14:53

Instrument :

BNA_P

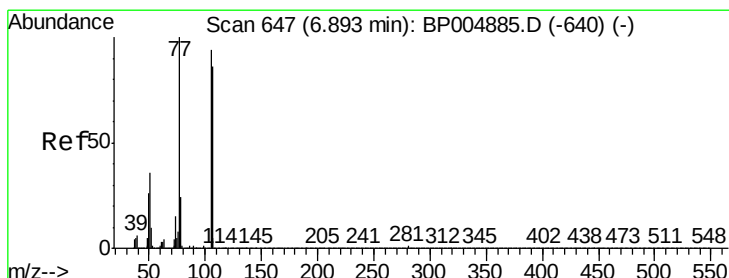
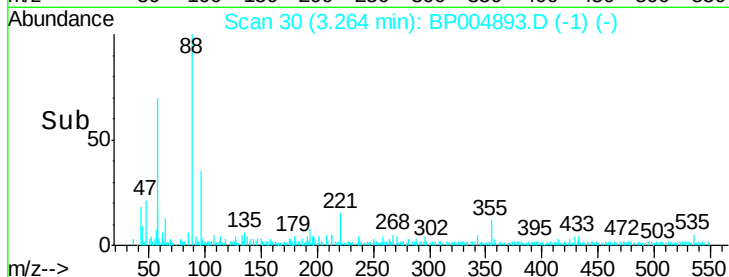
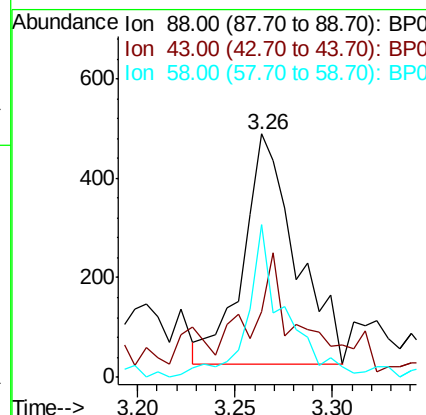
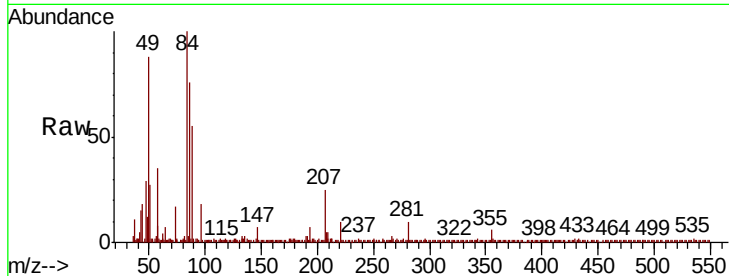
ClientSampleId :

MDL-SOIL-01

Tot Ion:	88	Resp:	872
Ion Ratio	Lower	Upper	
88	100		
43	27.2	20.9	31.3
58	62.8	41.0	61.4#

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#4

Benzaldehyde

Concen: 5.989 ng/uL

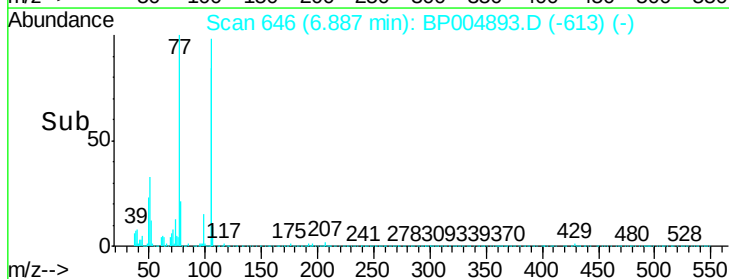
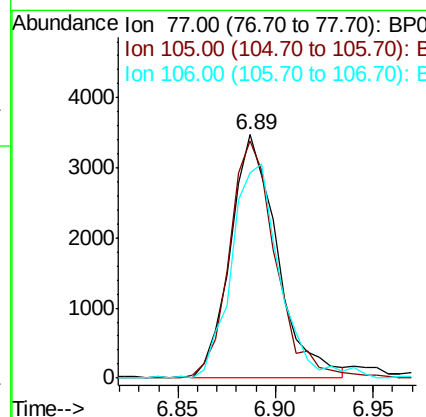
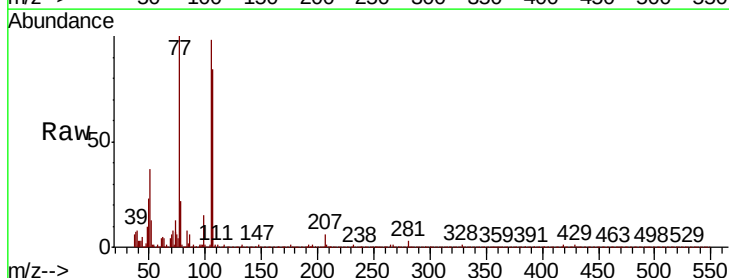
RT: 6.89 min Scan# 646

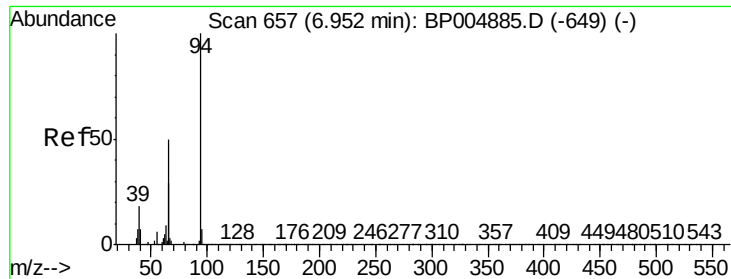
Delta R.T. -0.01 min

Lab File: BP004893.D

Acq: 03 Mar 2021 14:53

Tgt Ion:	77	Resp:	5790
Ion Ratio	Lower	Upper	
77	100		
105	97.5	75.4	113.2
106	84.4	69.7	104.5





#6

Phenol

Concen: 4.131 ng/ul

RT: 6.94 min Scan# 655

Delta R.T. -0.01 min

Lab File: BP004893.D

Acq: 03 Mar 2021 14:53

Instrument :

BNA_P

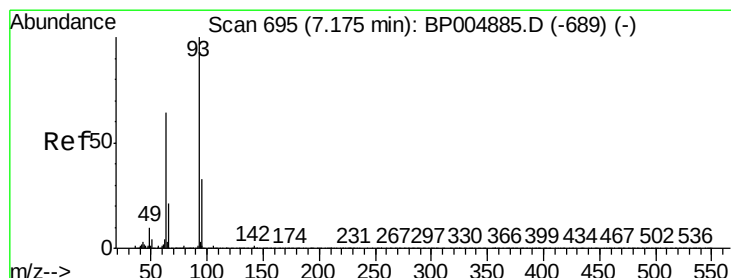
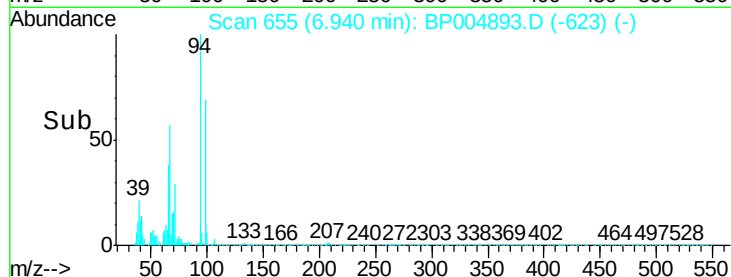
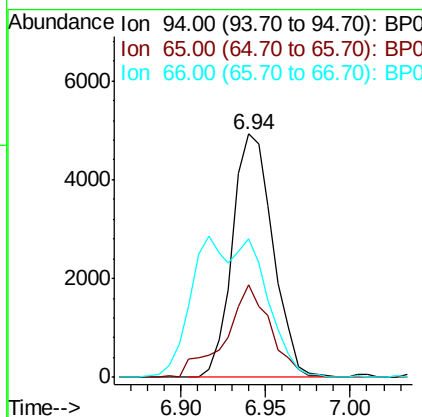
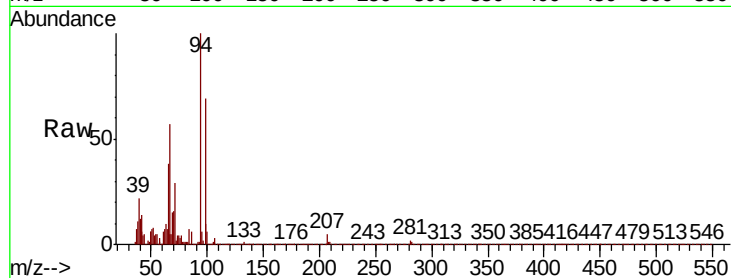
ClientSampleId :

MDL-SOIL-01

Tot Ion:	94	Resp:	8215
Ion Ratio	Lower	Upper	
94	100		
65	37.9	22.8	34.2#
66	56.8	37.8	56.8#

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#8

Bis(2-Chloroethyl)ether

Concen: 4.649 ng/ul

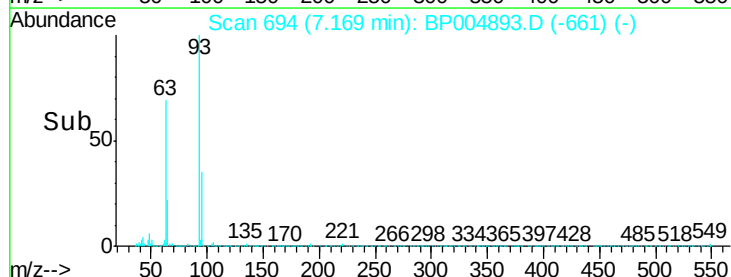
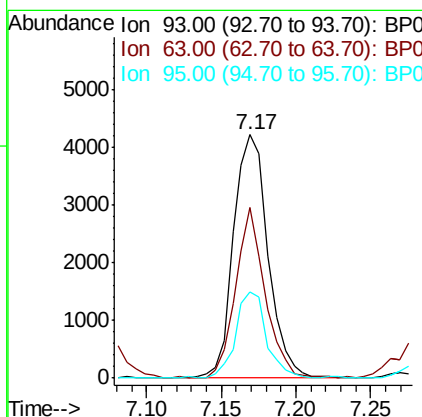
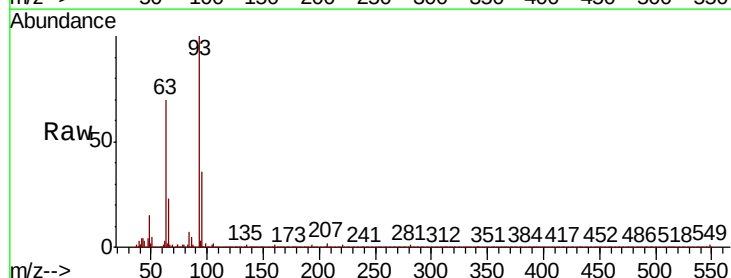
RT: 7.17 min Scan# 694

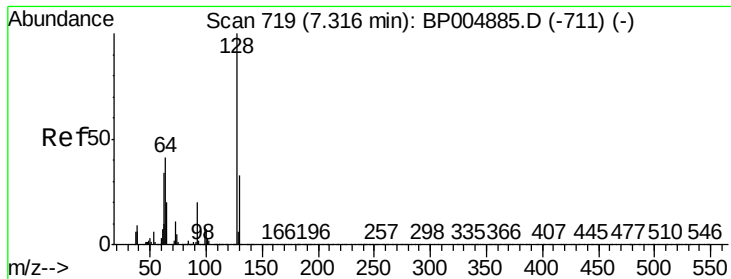
Delta R.T. -0.01 min

Lab File: BP004893.D

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Tgt Ion:	93	Resp:	6804
Ion Ratio	Lower	Upper	
93	100		
63	70.4	56.0	84.0
95	35.6	27.8	41.8





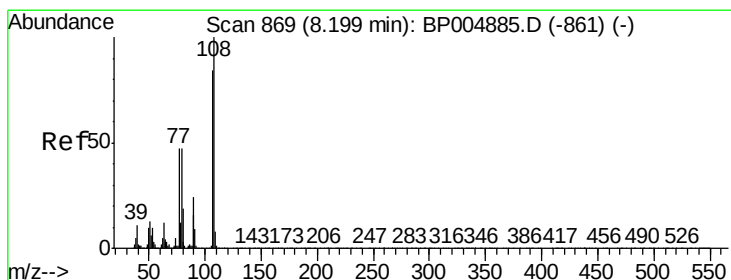
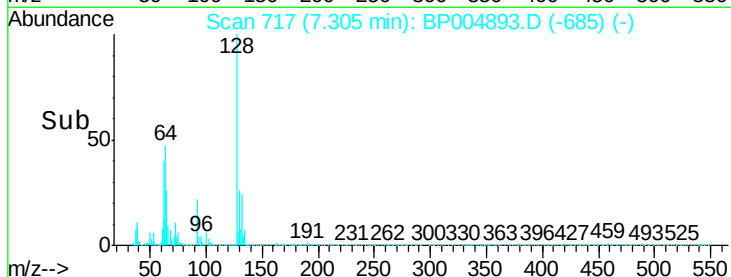
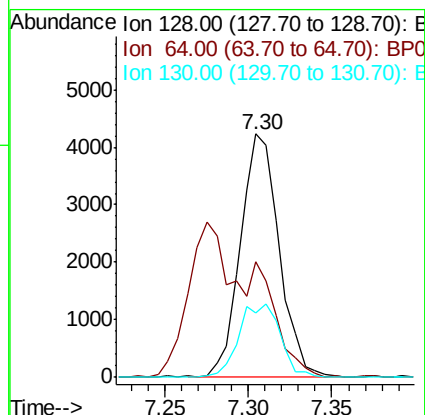
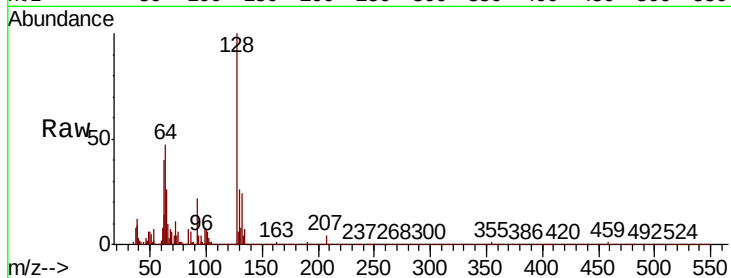
#10
2-Chlorophenol
Concen: 4.472 ng/ul m
RT: 7.30 min Scan# 717
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

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Tot Ion	Ratio	Lower	Upper
128	100		
64	47.3	34.8	52.2
130	26.4	28.6	43.0

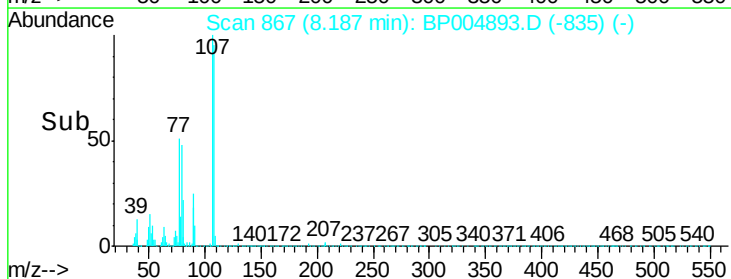
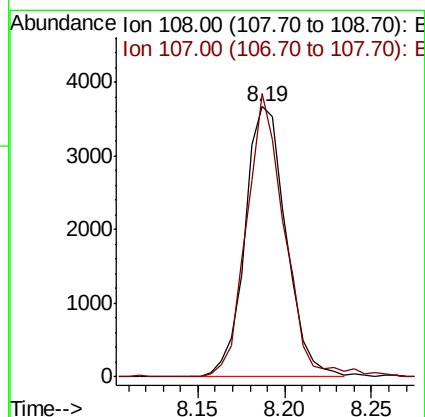
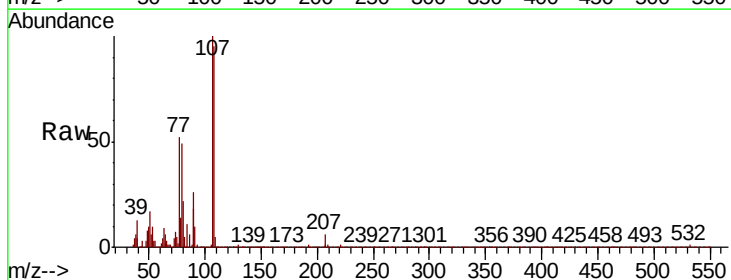
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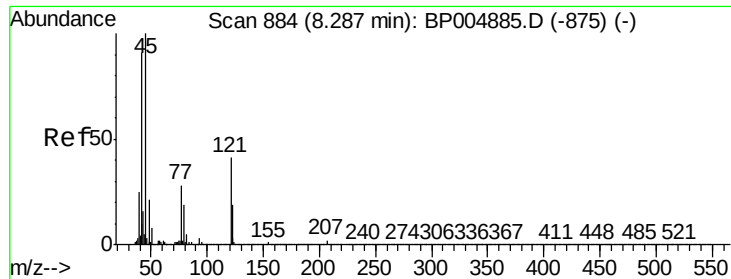
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#11
2-Methylphenol
Concen: 4.049 ng/ul m
RT: 8.19 min Scan# 867
Delta R.T. -0.01 min
Lab File: BP004893.D
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Tgt Ion	Ratio	Lower	Upper
108	100		
107	104.7	68.8	103.2





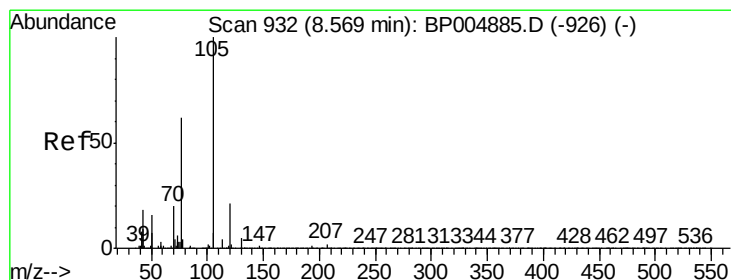
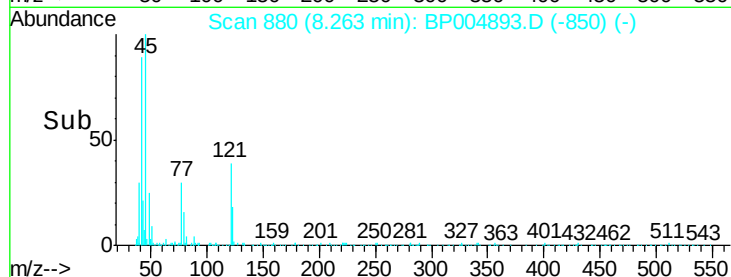
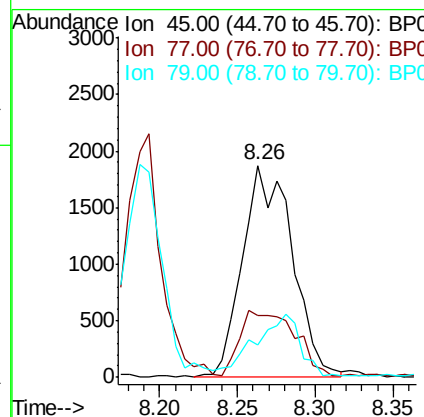
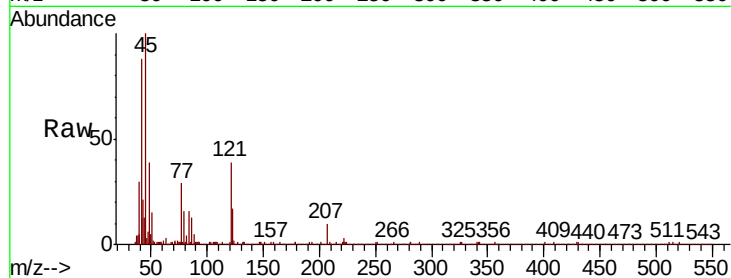
#12
2,2'-oxybis(1-Chloropropane)
Concen: 4.396 ng/ul m
RT: 8.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BP004893.D
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Tot Ion	Ratio	Lower	Upper
45	100		
77	29.4	21.8	32.8
79	15.5	18.6	27.8#

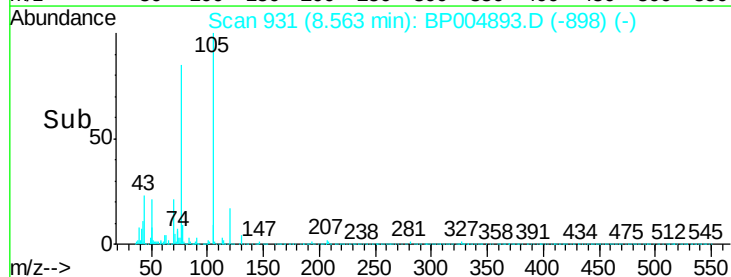
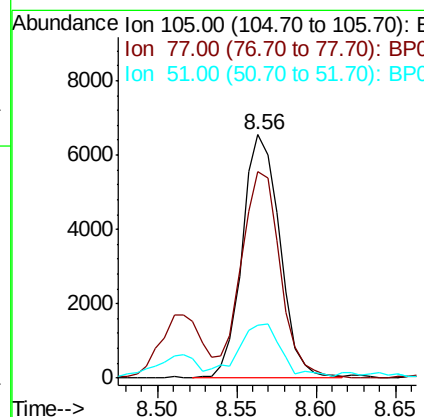
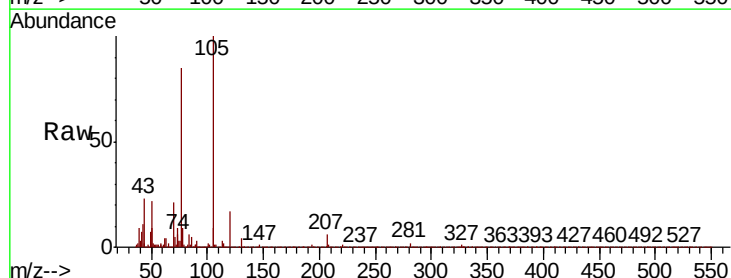
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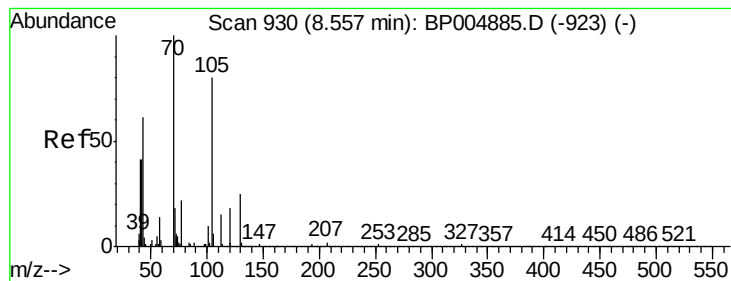
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#14
Acetophenone
Concen: 4.309 ng/ul
RT: 8.56 min Scan# 931
Delta R.T. -0.01 min
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Tgt Ion	Ratio	Lower	Upper
105	100		
77	84.6	64.4	96.6
51	21.9	19.1	28.7





#15

N-Nitroso-di-n-propylamine

Concen: 4.548 ng/ul

RT: 8.55 min Scan# 929

Delta R.T. -0.01 min

Lab File: BP004893.D

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Instrument :

BNA_P

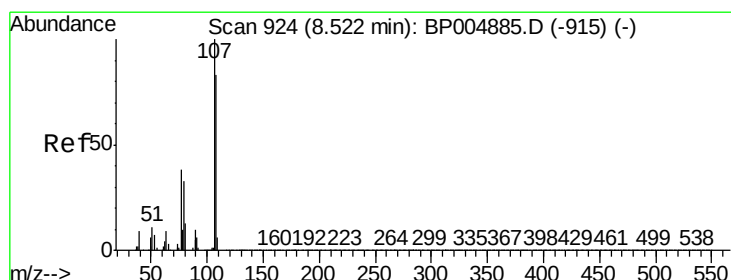
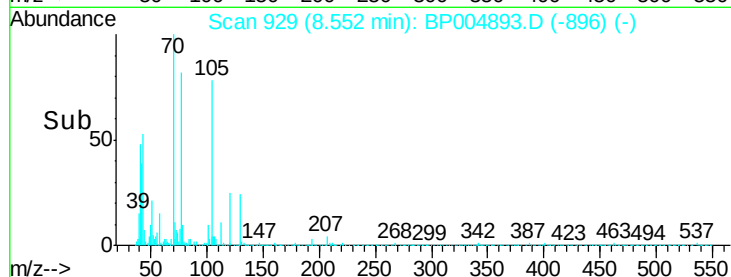
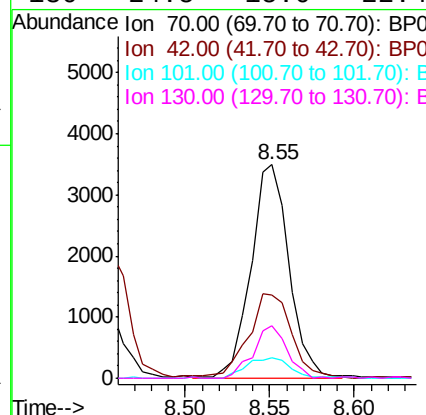
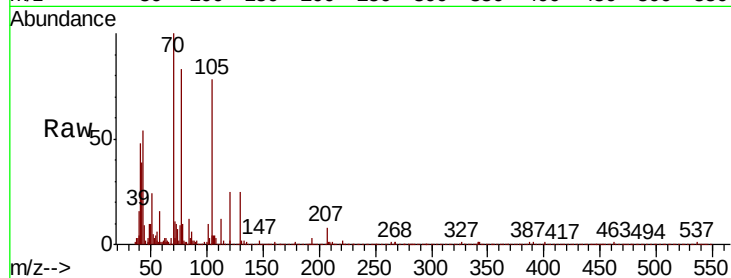
ClientSampleId :

MDL-SOIL-01

Tot Ion:	70	Resp:	5482
Ion Ratio	Lower	Upper	
70	100		
42	39.1	33.1	49.7
101	9.6	8.5	12.7
130	24.5	15.0	22.4

Manual Integrations
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#16

4-Methylphenol

Concen: 4.293 ng/ul

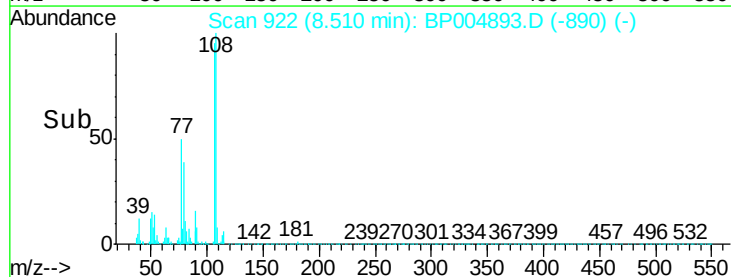
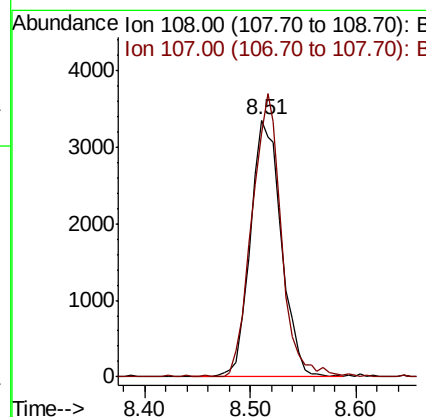
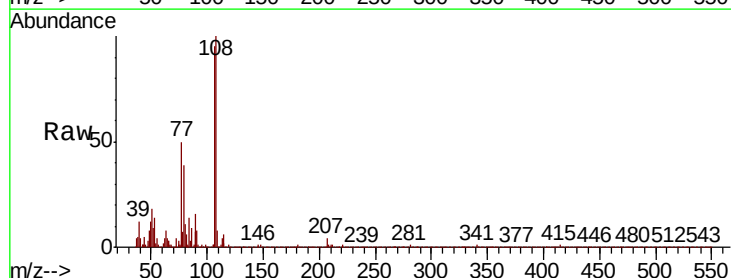
RT: 8.51 min Scan# 922

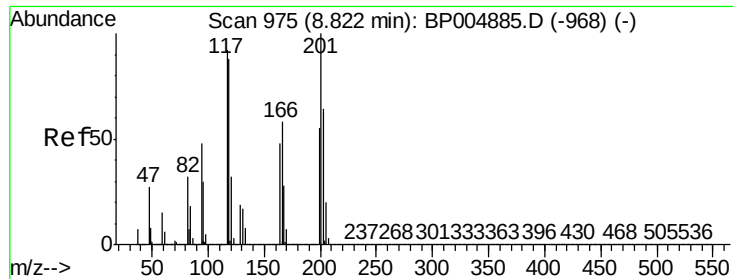
Delta R.T. -0.01 min

Lab File: BP004893.D

Acq: 03 Mar 2021 14:53

Tgt Ion:	108	Resp:	6850
Ion Ratio	Lower	Upper	
108	100		
107	95.2	89.2	133.8





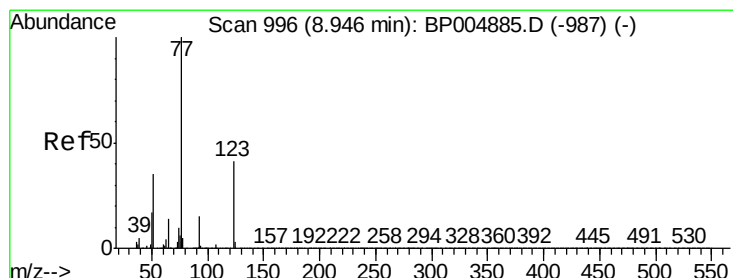
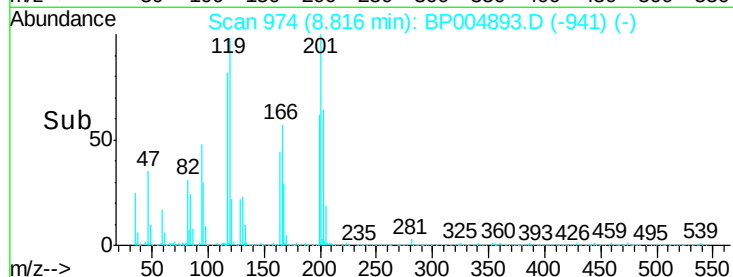
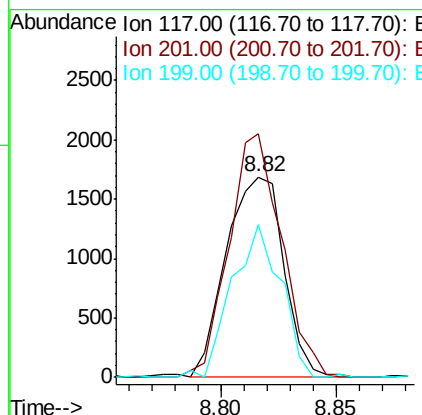
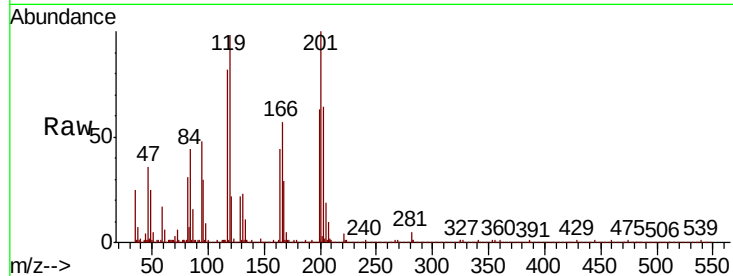
#17
Hexachloroethane
Concen: 4.356 ng/ul
RT: 8.82 min Scan# 974
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Instrument :
BNA_P
ClientSampled :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
117	100		
201	119.6	86.7	130.1
199	75.0	48.2	72.4

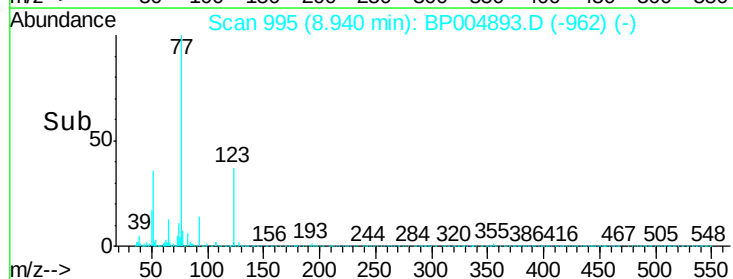
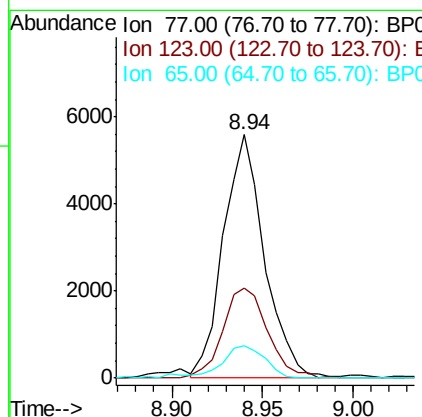
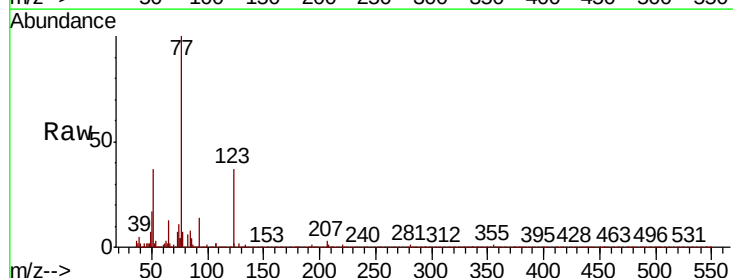
Manual Integrations
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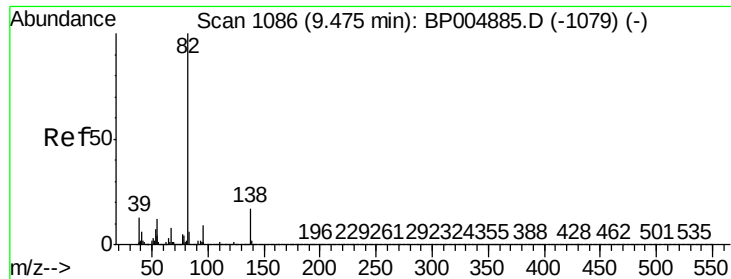
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#20
Nitrobenzene
Concen: 4.629 ng/ul
RT: 8.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Tgt Ion	Ratio	Lower	Upper
77	100		
123	37.1	29.4	44.2
65	13.3	9.8	14.6





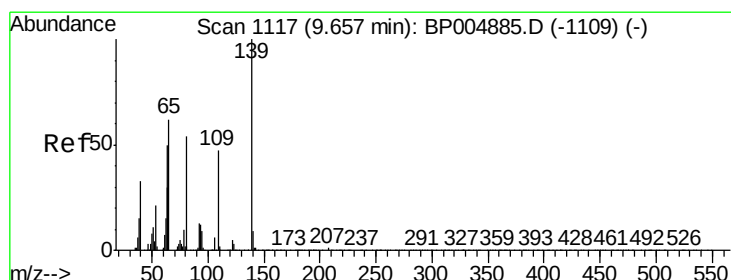
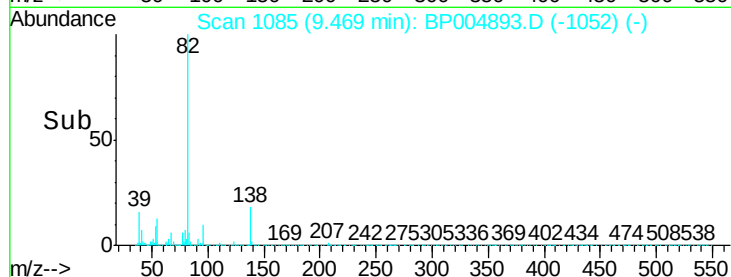
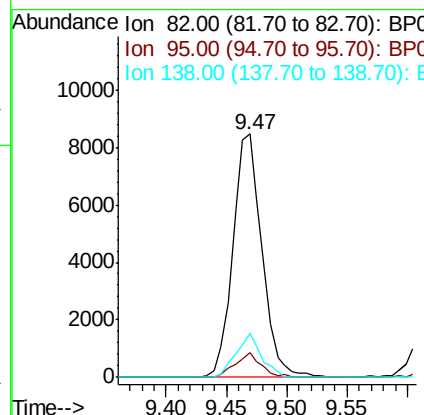
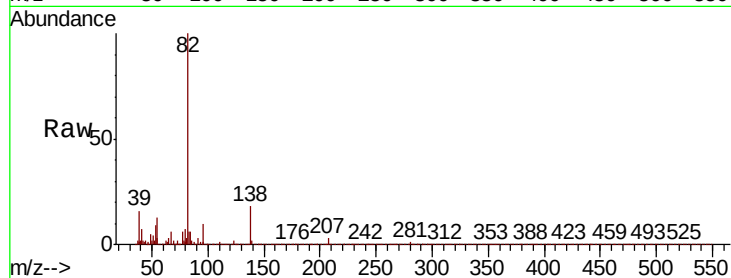
#21
Isophorone
Concen: 4.367 ng/ul
RT: 9.47 min Scan# 1085
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-01

Tot Ion	82	Resp	14163
Ion Ratio	Lower	Upper	
82	100		
95	10.4	6.6	9.8#
138	17.8	14.6	22.0

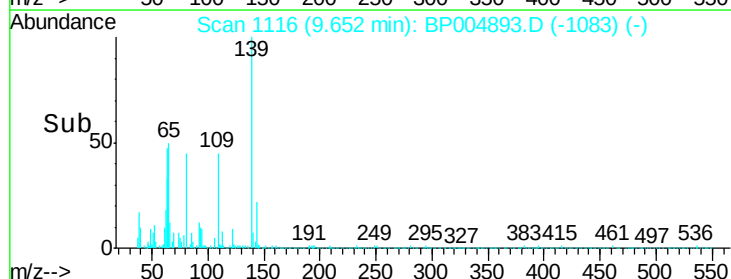
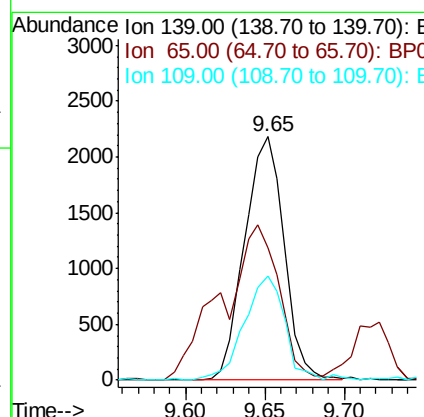
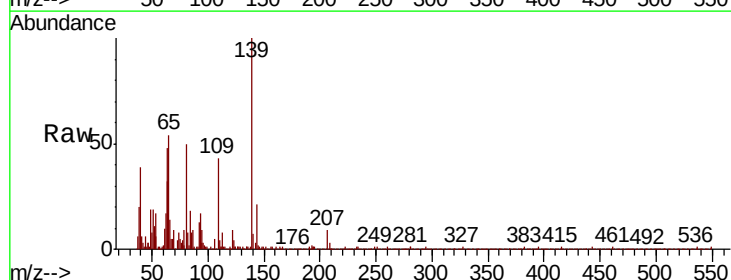
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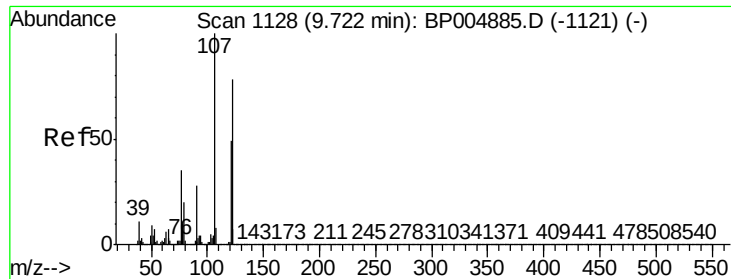
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#23
2-Nitrophenol
Concen: 4.282 ng/ul
RT: 9.65 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Tgt Ion	139	Resp	3782
Ion Ratio	Lower	Upper	
139	100		
65	54.1	49.4	74.2
109	43.0	37.1	55.7





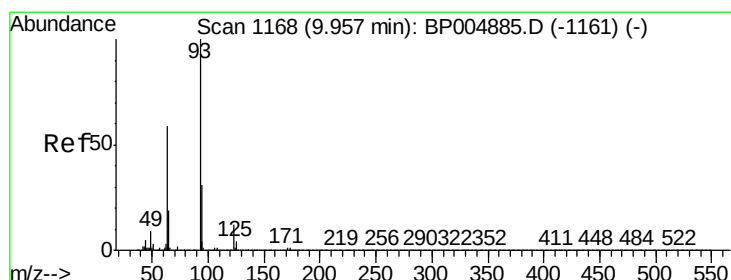
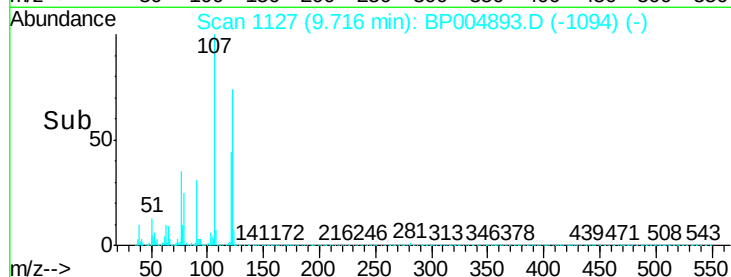
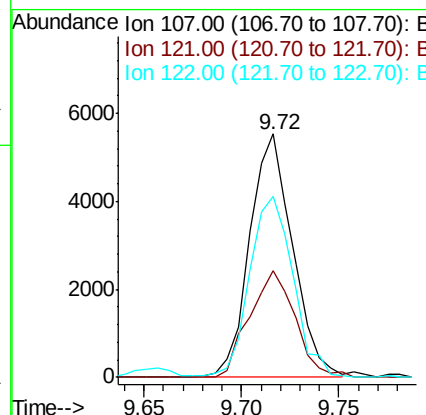
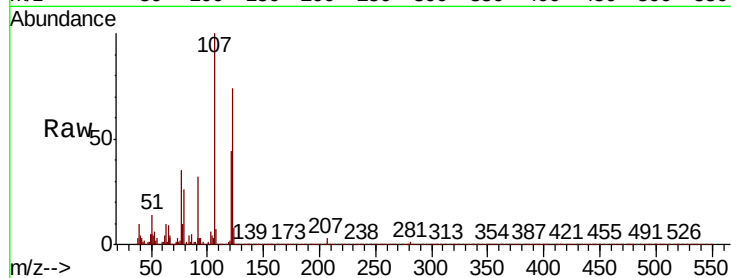
#24
2,4-Dimethylphenol
Concen: 4.297 ng/ul
RT: 9.72 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
107	100		
121	43.7	37.1	55.7
122	74.3	61.8	92.8

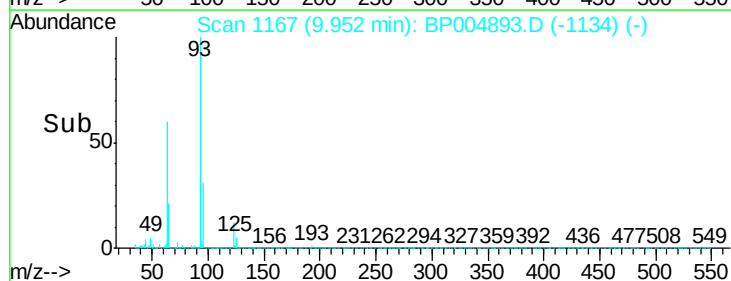
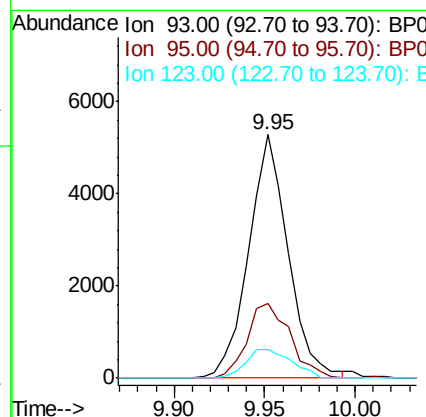
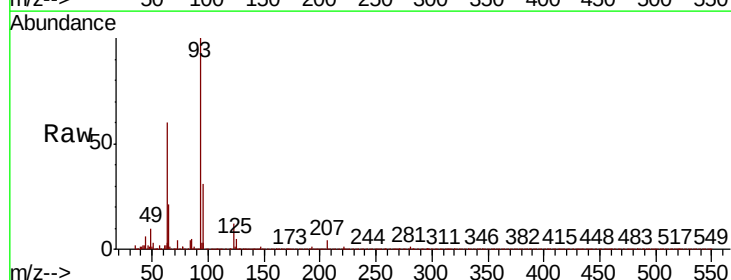
Manual Integrations
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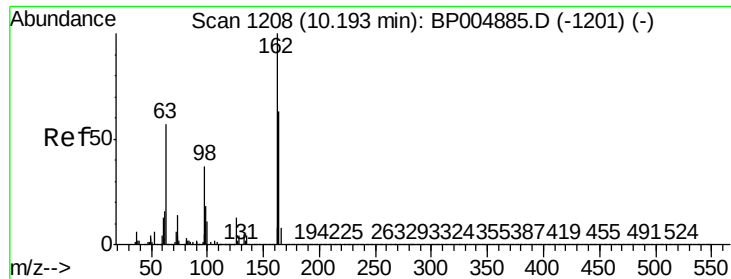
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#25
Bis(2-Chloroethoxy)methane
Concen: 4.084 ng/ul
RT: 9.95 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	30.7	24.3	36.5
123	11.7	8.6	13.0





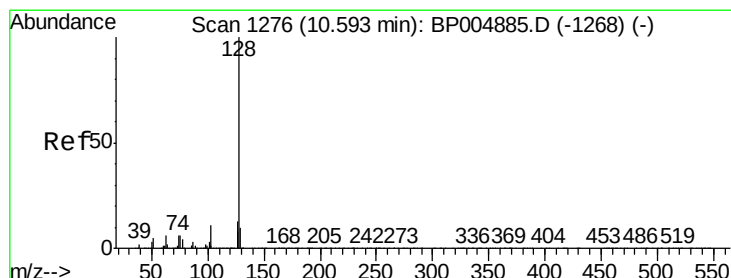
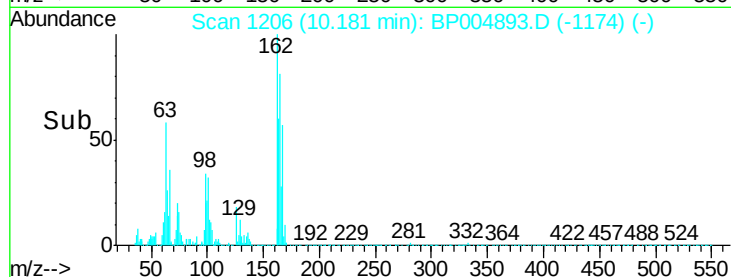
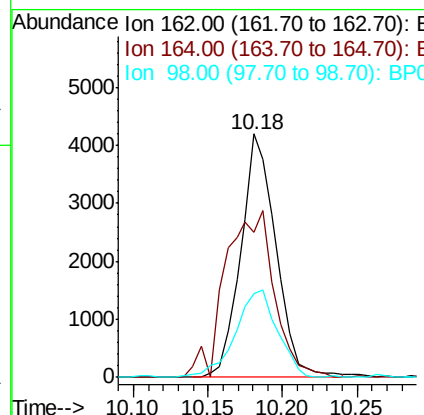
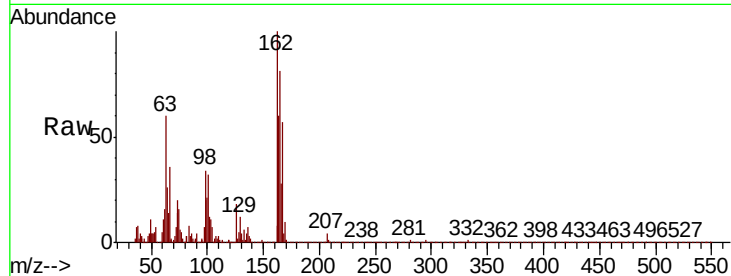
#27
2,4-Dichlorophenol
Concen: 4.473 ng/ul
RT: 10.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-01

Tot Ion:	162	Resp:	6832
Ion Ratio	Lower	Upper	
162	100		
164	59.8	51.8	77.6
98	34.4	32.0	48.0

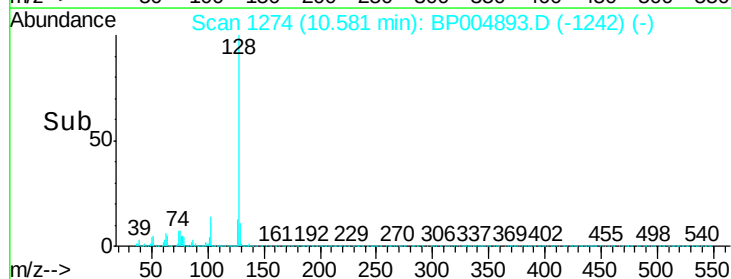
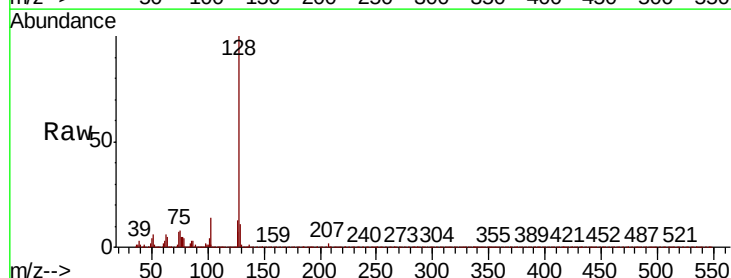
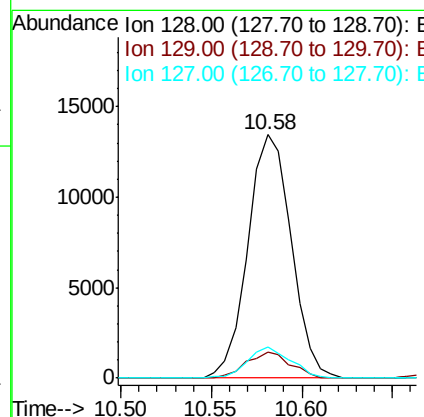
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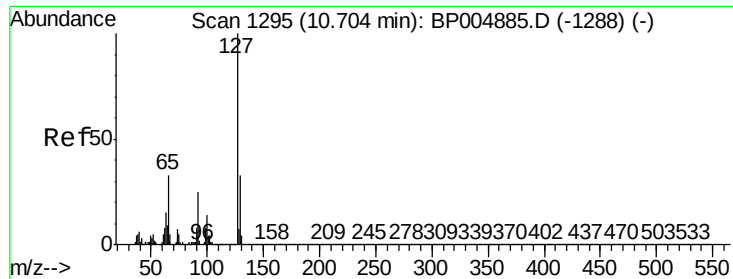
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#28
Naphthalene
Concen: 4.407 ng/ul
RT: 10.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Tgt Ion:	128	Resp:	22387
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.0	13.6
127	12.8	11.4	17.2





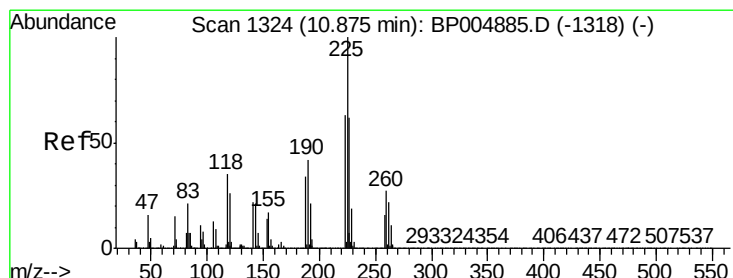
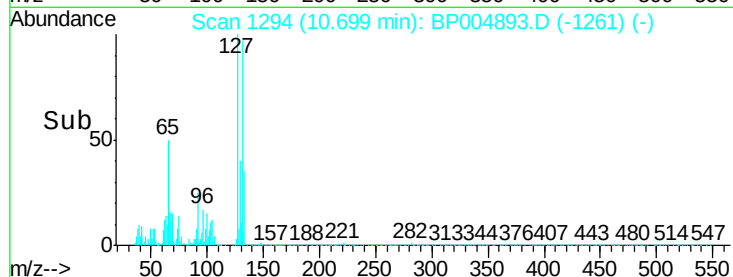
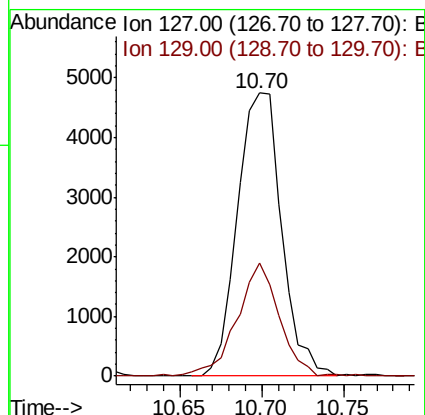
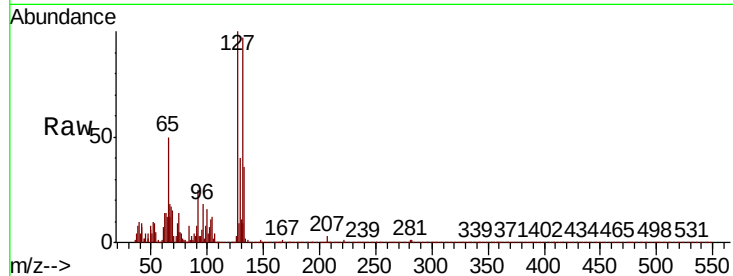
#30
4-Chloroaniline
Concen: 5.052 ng/ul m
RT: 10.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Instrument :
BNA_P
ClientSampled :
MDL-SOIL-01

Tot Ion:127 Resp: 8837
Ion Ratio Lower Upper
127 100
129 40.2 25.6 38.4#

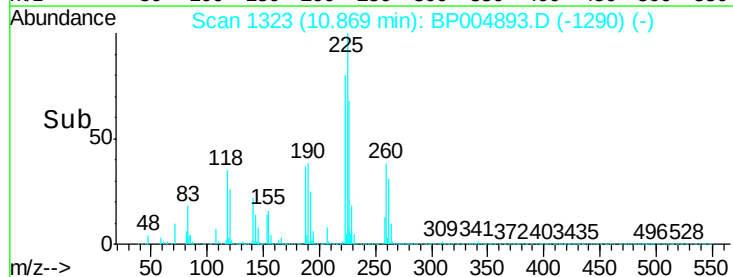
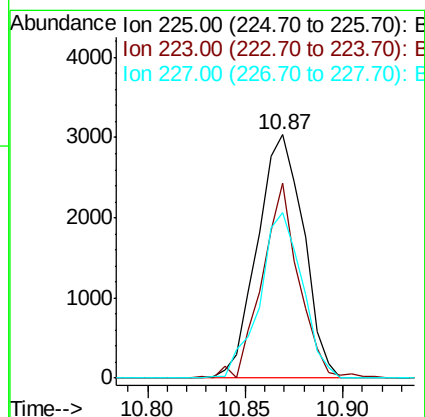
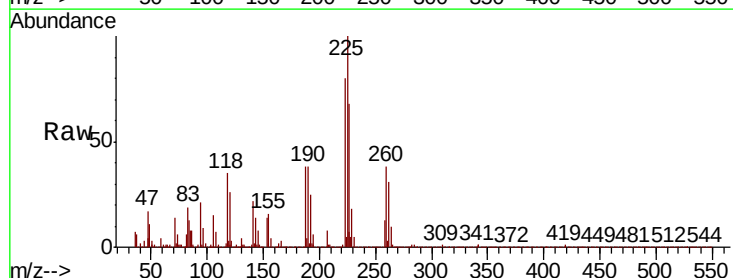
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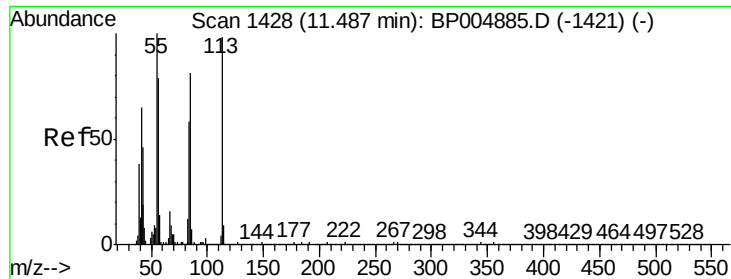
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#31
Hexachlorobutadiene
Concen: 4.438 ng/ul
RT: 10.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Tgt Ion:225 Resp: 4966
Ion Ratio Lower Upper
225 100
223 79.9 51.2 76.8#
227 68.0 51.4 77.2





#32

Caprolactam

Concen: 4.024 ng/ul m

RT: 11.51 min Scan# 1432

Delta R.T. 0.02 min

Lab File: BP004893.D

Acq: 03 Mar 2021 14:53

Instrument :

BNA_P

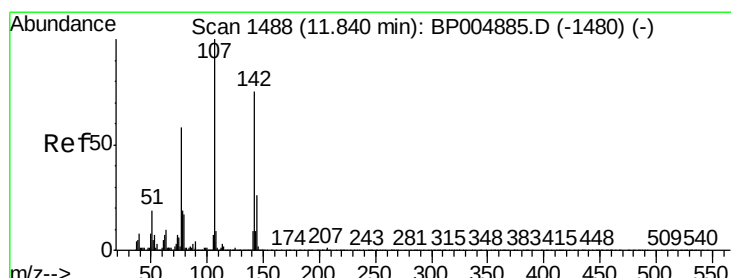
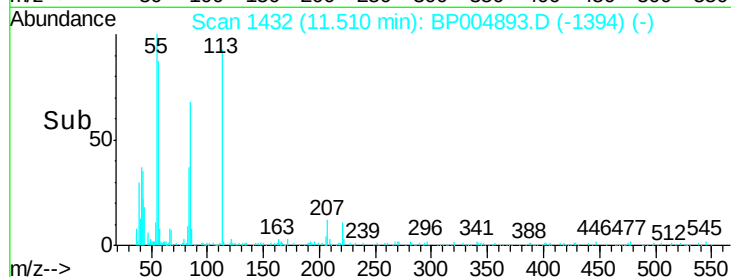
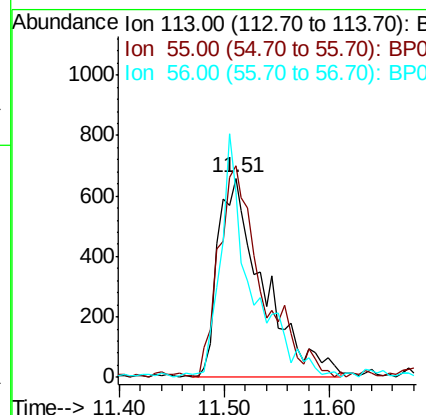
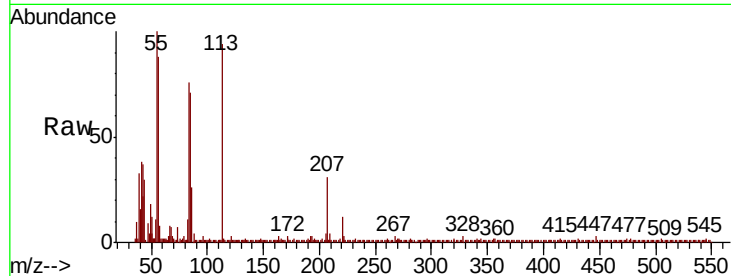
ClientSampleId :

MDL-SOIL-01

Tot Ion:	113	Resp:	1997
Ion	Ratio	Lower	Upper
113	100		
55	106.2	69.5	104.3#
56	93.0	65.8	98.6

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#33

4-Chloro-3-methylphenol

Concen: 4.027 ng/ul

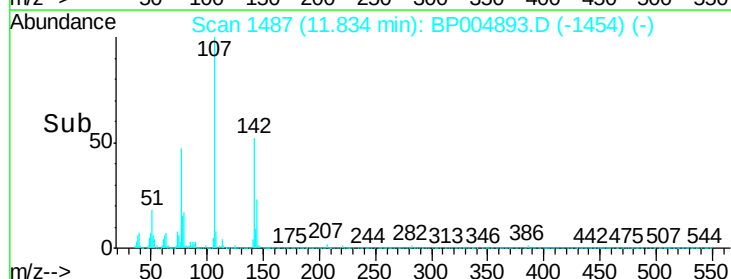
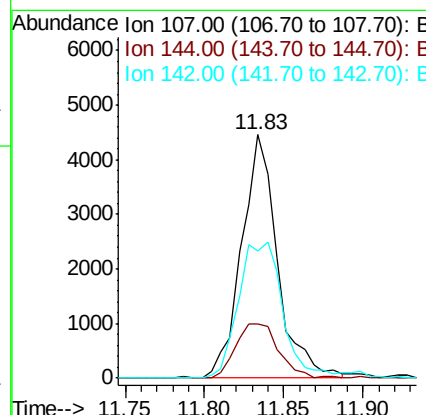
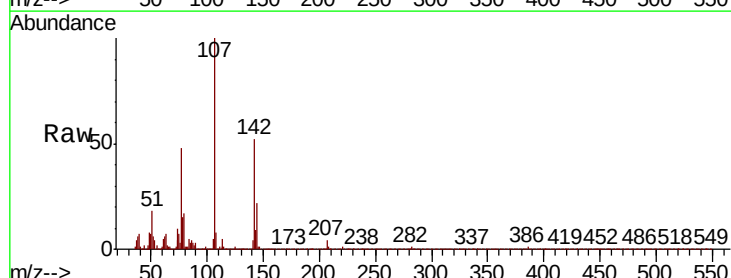
RT: 11.83 min Scan# 1487

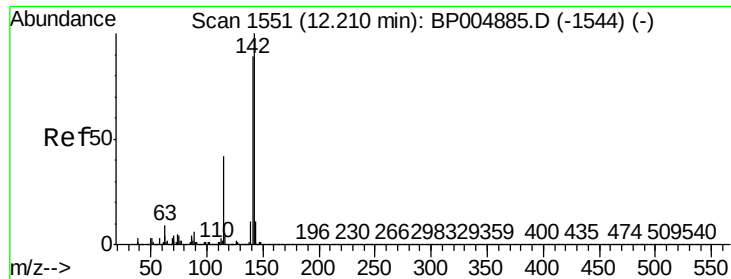
Delta R.T. -0.01 min

Lab File: BP004893.D

Acq: 03 Mar 2021 14:53

Tgt Ion:	107	Resp:	7005
Ion	Ratio	Lower	Upper
107	100		
144	22.5	17.3	25.9
142	52.1	56.6	84.8#





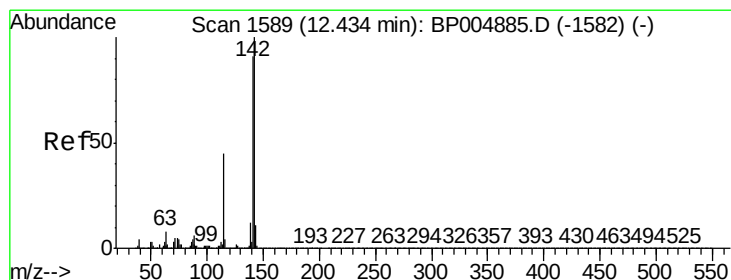
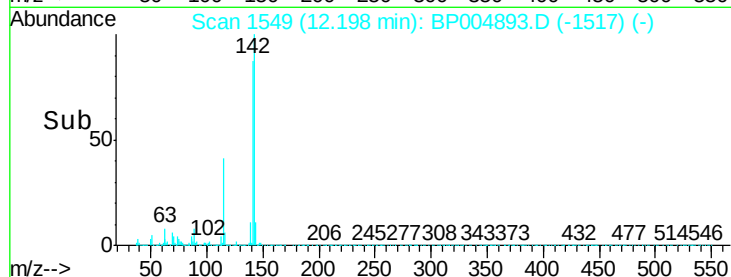
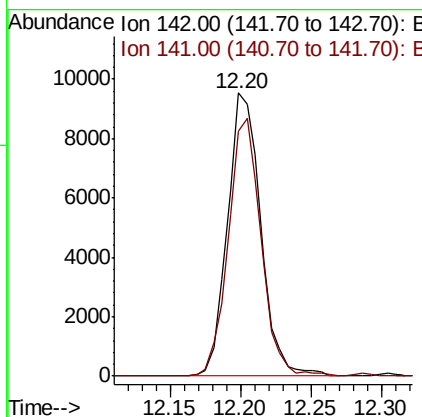
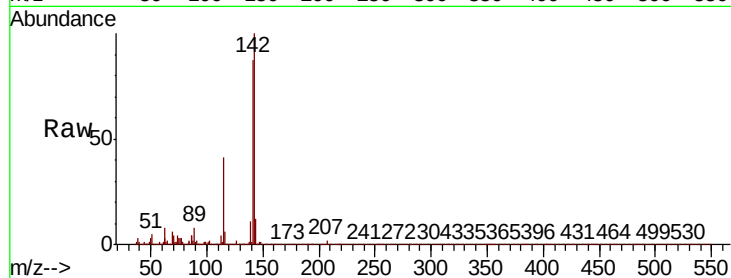
#34
2-Methylnaphthalene
Concen: 4.335 ng/ul
RT: 12.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.8	69.4	104.2

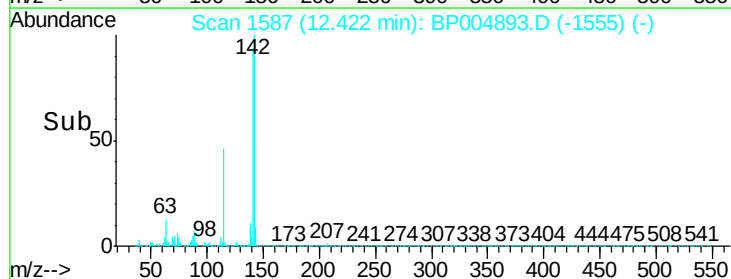
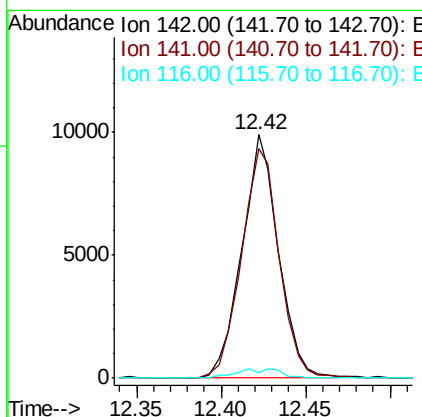
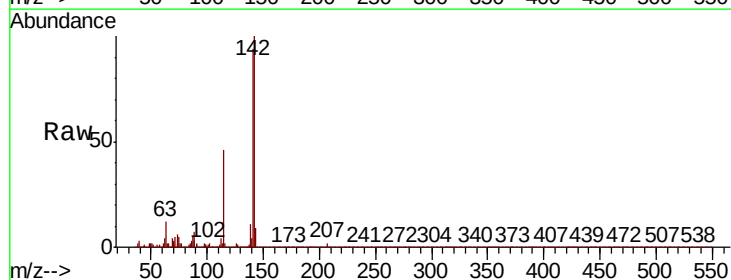
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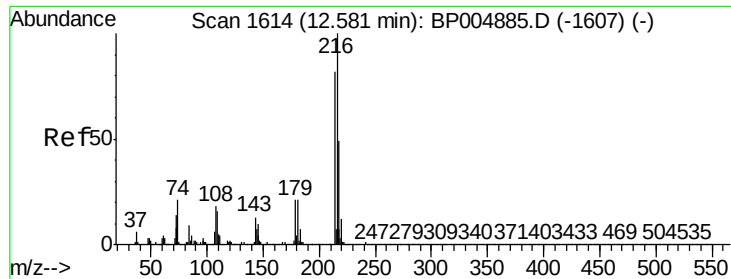
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#35
1-Methylnaphthalene
Concen: 4.229 ng/ul
RT: 12.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.0	71.5	107.3
116	2.3	3.4	5.0#





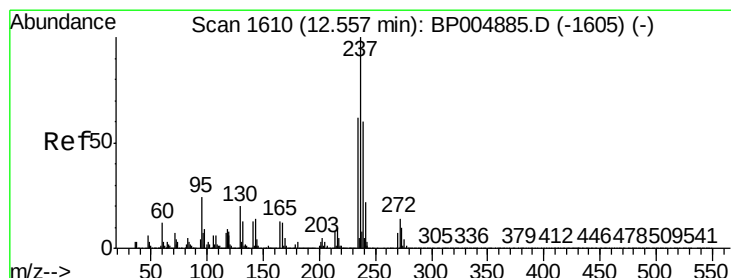
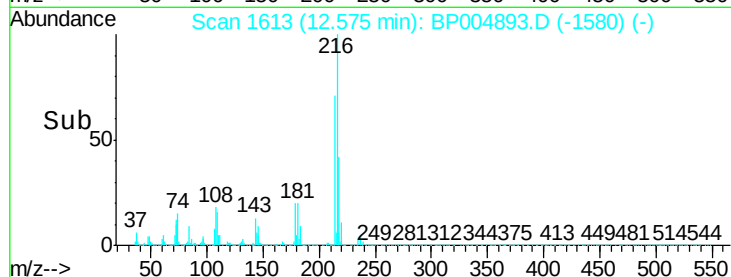
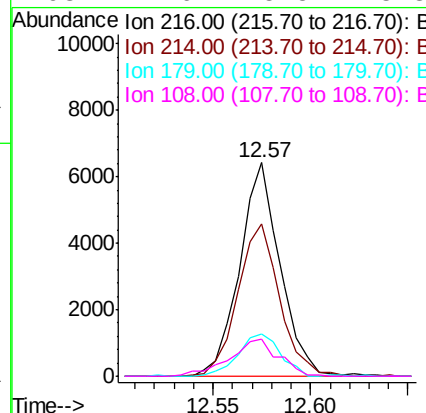
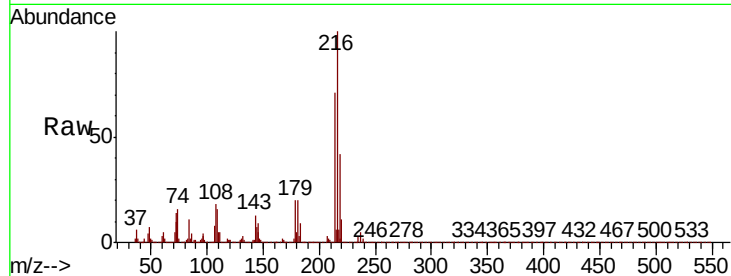
#37
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.389 ng/ul
 RT: 12.57 min Scan# 1613
 Delta R.T. -0.01 min
 Lab File: BP004893.D
 Acq: 03 Mar 2021 14:53

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
216	100		
214	71.4	62.3	93.5
179	20.0	17.2	25.8
108	17.6	15.5	23.3

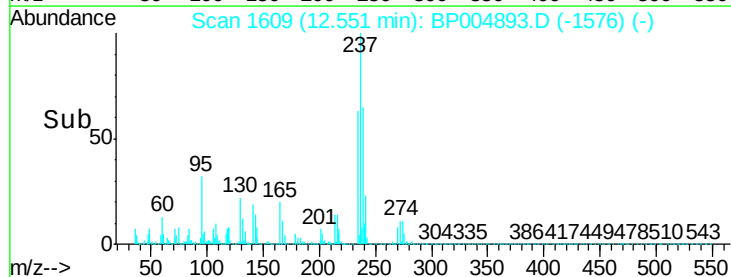
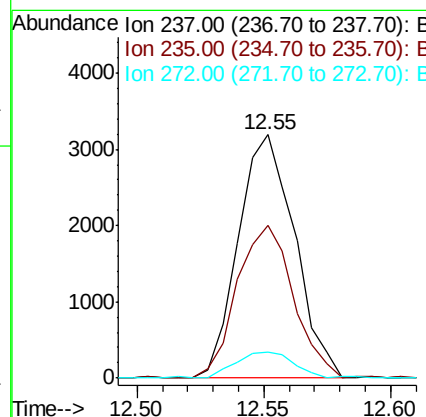
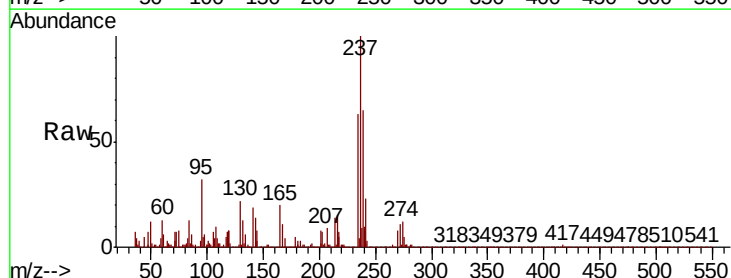
Manual Integrations
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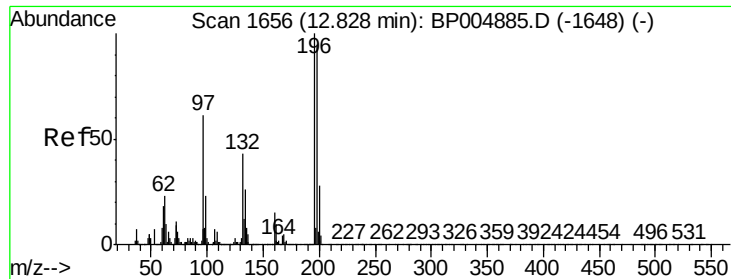
mohammad
 3/4/2021 11:33:28 AM



#38
 Hexachlorocyclopentadiene
 Concen: 3.695 ng/ul
 RT: 12.55 min Scan# 1609
 Delta R.T. -0.01 min
 Lab File: BP004893.D
 Acq: 03 Mar 2021 14:53

Tgt Ion	Ratio	Lower	Upper
237	100		
235	62.8	49.4	74.0
272	10.7	10.6	15.8





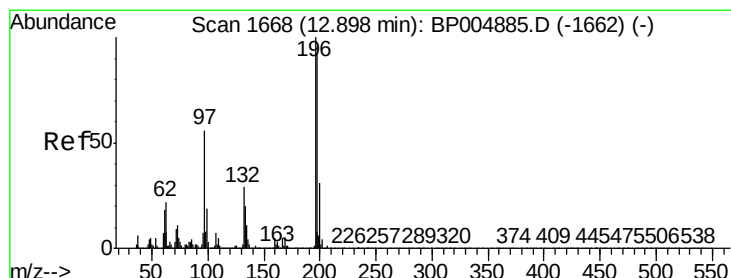
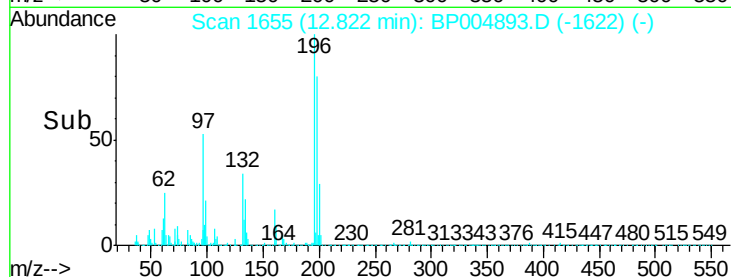
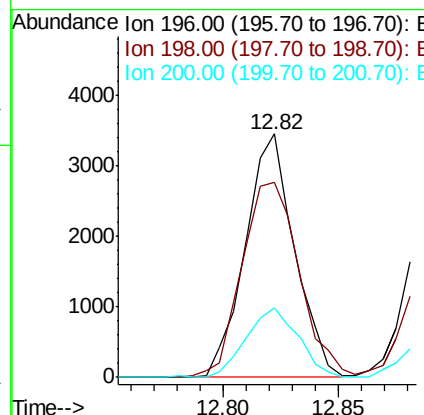
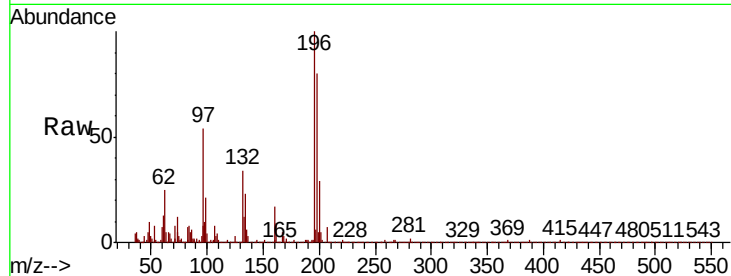
#39
 2,4,6-Trichlorophenol
 Concen: 3.896 ng/ul
 RT: 12.82 min Scan# 1655
 Delta R.T. -0.01 min
 Lab File: BP004893.D
 Acq: 03 Mar 2021 14:53

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
196	100		
198	79.8	78.0	117.0
200	28.8	23.8	35.8

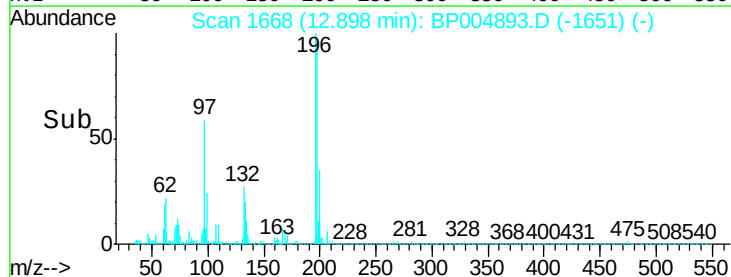
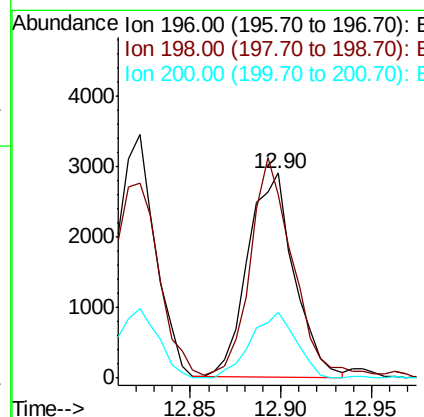
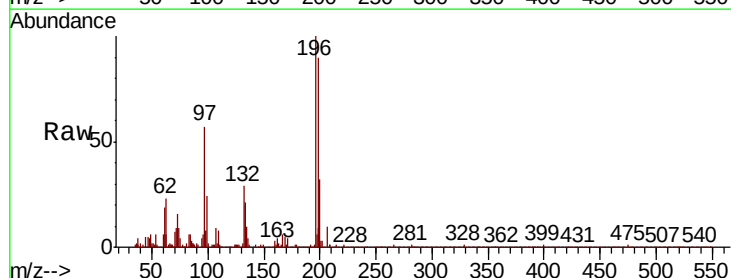
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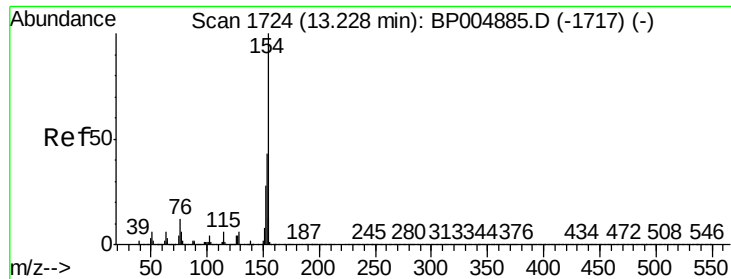
mohammad
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#40
 2,4,5-Trichlorophenol
 Concen: 3.674 ng/ul
 RT: 12.90 min Scan# 1668
 Delta R.T. 0.00 min
 Lab File: BP004893.D
 Acq: 03 Mar 2021 14:53

Tgt Ion	Ratio	Lower	Upper
196	100		
198	89.7	72.8	109.2
200	32.3	23.7	35.5





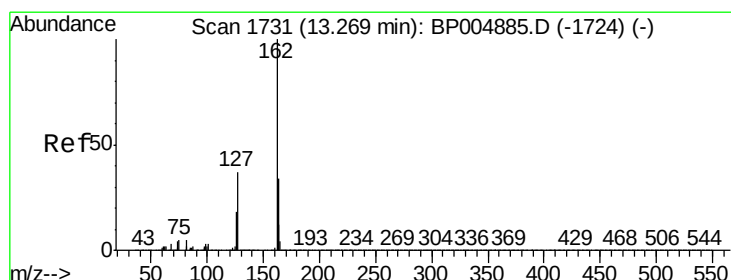
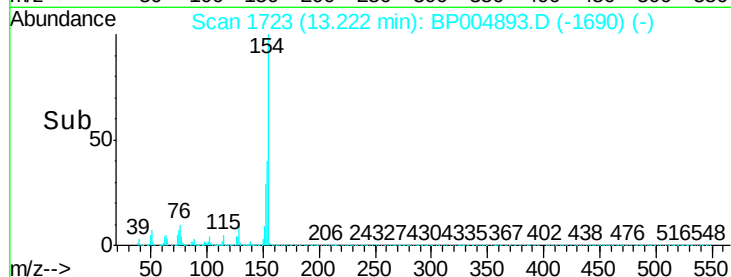
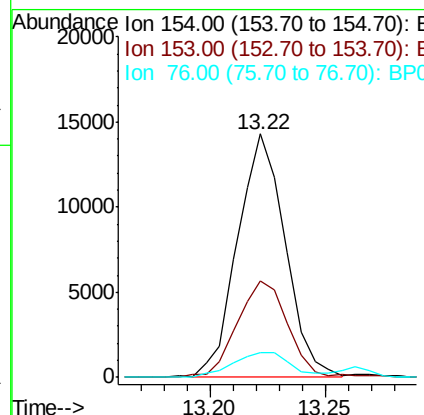
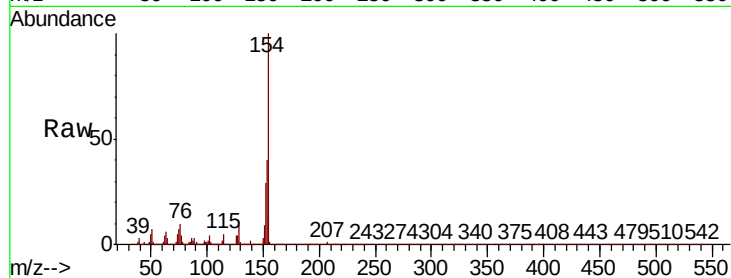
#41
1,1'-Biphenyl
Concen: 4.203 ng/ul
RT: 13.22 min Scan# 1723
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.7	33.2	49.8
76	10.4	9.8	14.6

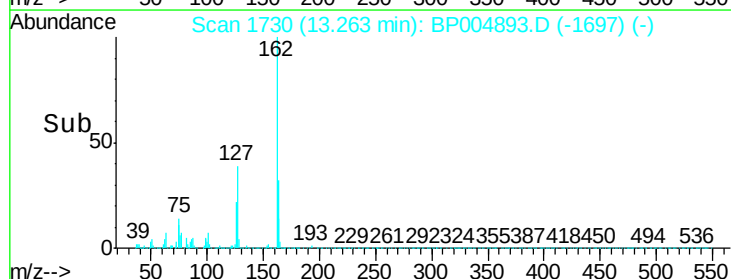
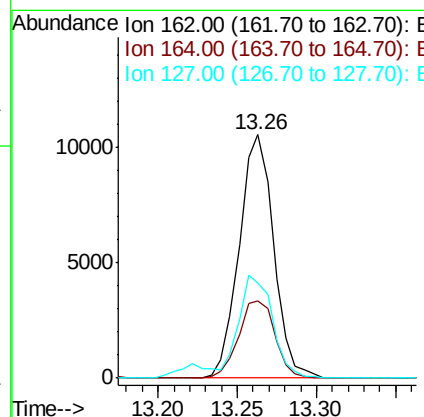
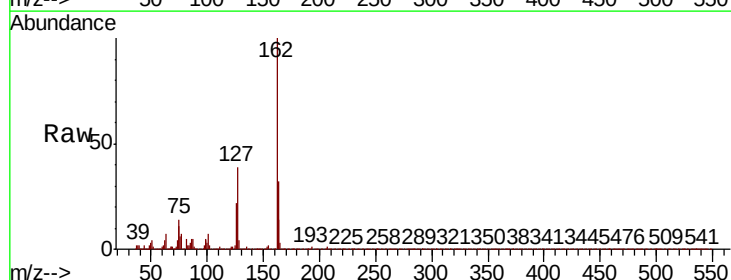
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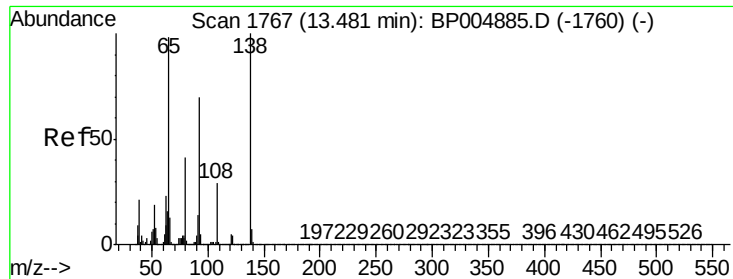
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#42
2-Chloronaphthalene
Concen: 4.154 ng/ul
RT: 13.26 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Tgt Ion	Ratio	Lower	Upper
162	100		
164	31.6	25.7	38.5
127	39.3	33.5	50.3





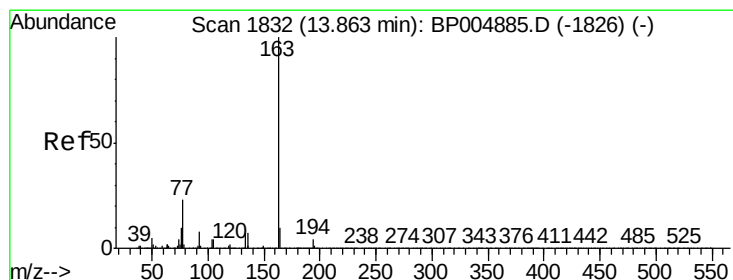
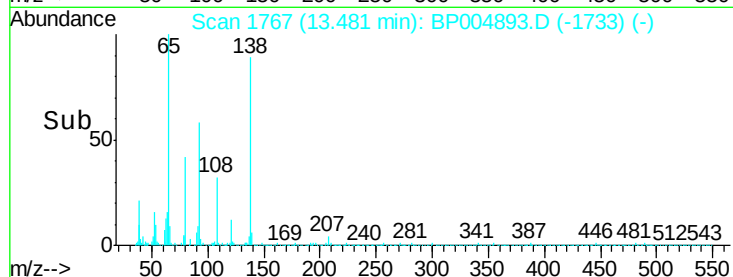
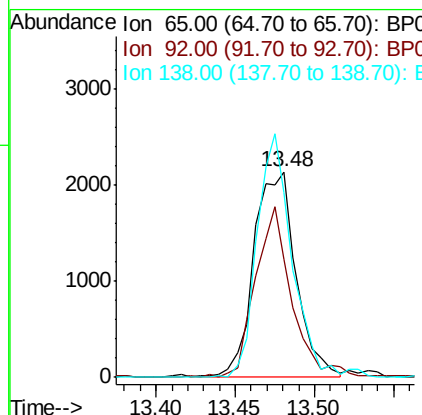
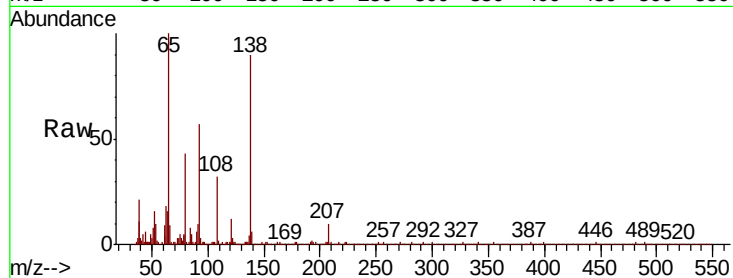
#43
2-Nitroaniline
Concen: 3.583 ng/ul
RT: 13.48 min Scan# 1767
Delta R.T. 0.00 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
65	100		
92	57.3	55.3	82.9
138	89.8	79.0	118.6

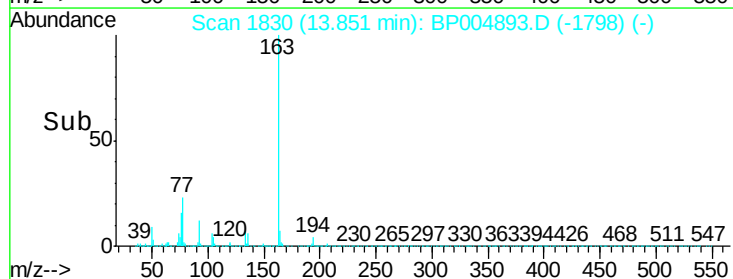
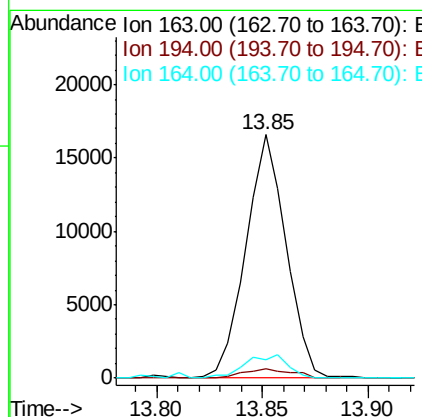
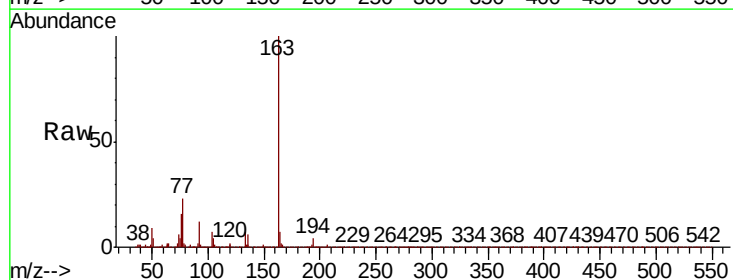
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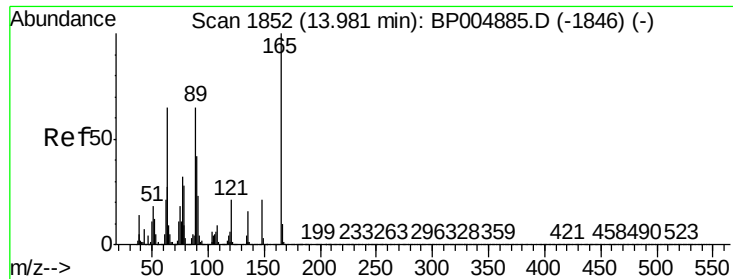
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#45
Dimethylphthalate
Concen: 4.467 ng/ul
RT: 13.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.8	5.6
164	7.4	7.8	11.8#





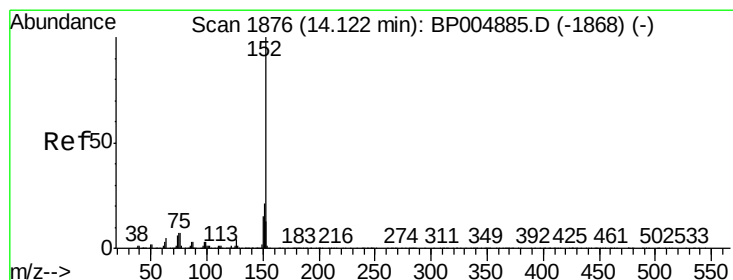
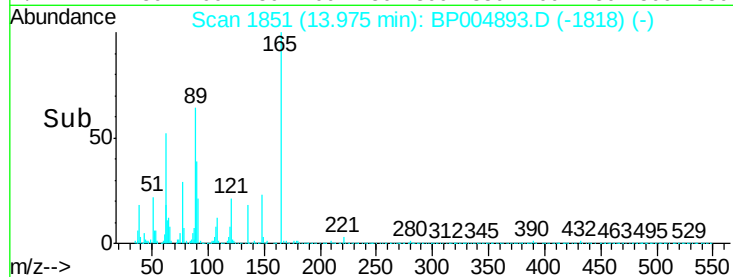
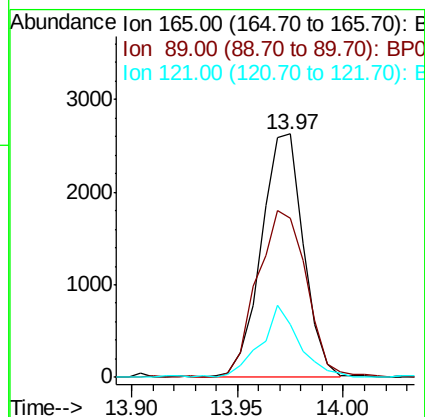
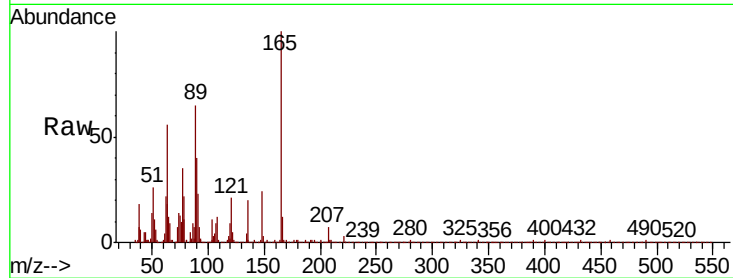
#46
2,6-Dinitrotoluene
Concen: 3.719 ng/ul
RT: 13.97 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-01

Tot Ion:	165	Resp:	3655
Ion Ratio	Lower	Upper	
165	100		
89	65.2	54.3	81.5
121	21.5	18.2	27.2

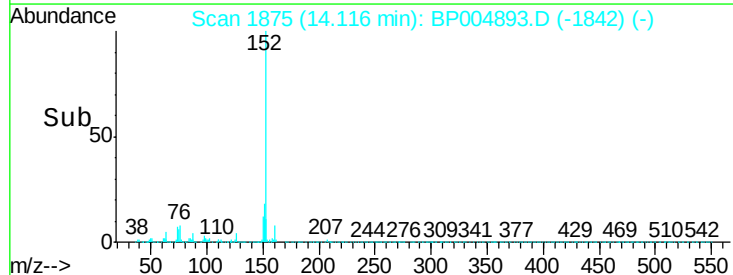
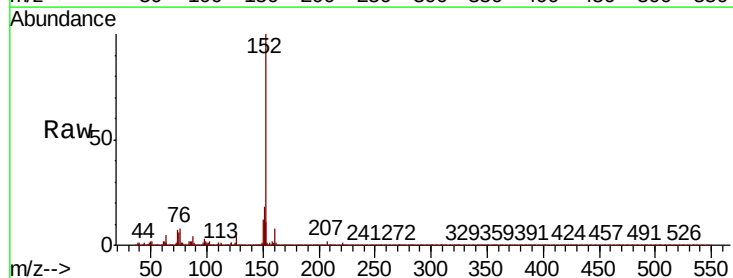
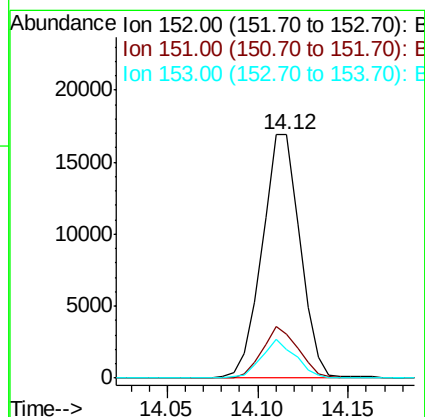
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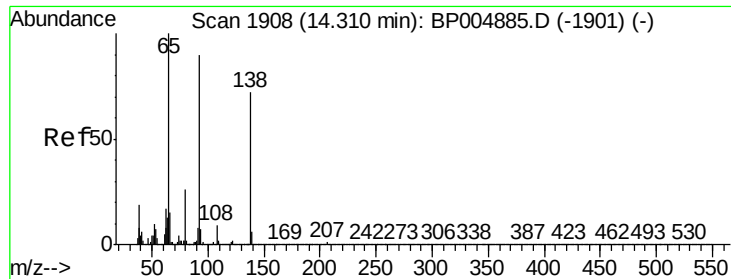
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#48
Acenaphthylene
Concen: 4.398 ng/ul
RT: 14.12 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Tgt Ion:	152	Resp:	24649
Ion Ratio	Lower	Upper	
152	100		
151	18.1	15.7	23.5
153	11.5	10.2	15.4





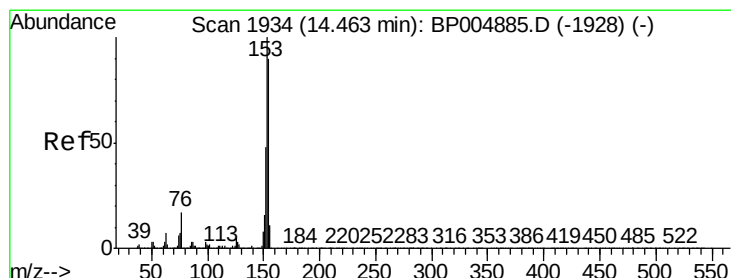
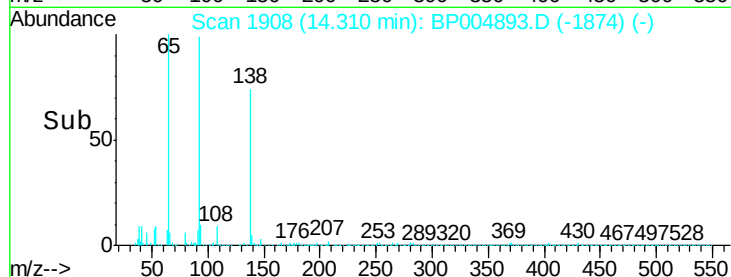
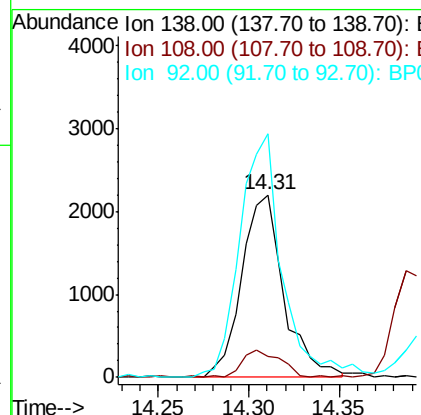
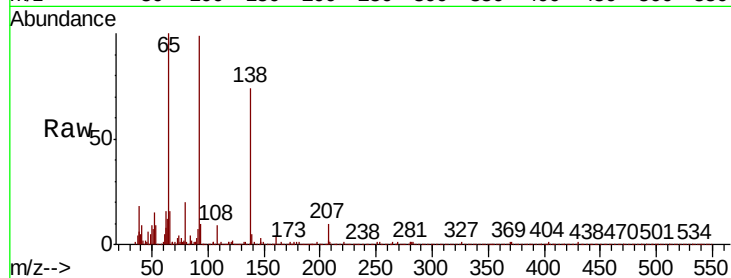
#49
3-Nitroaniline
Concen: 3.934 ng/ul
RT: 14.31 min Scan# 1908
Delta R.T. 0.00 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.7	10.1	15.1
92	133.5	99.7	149.5

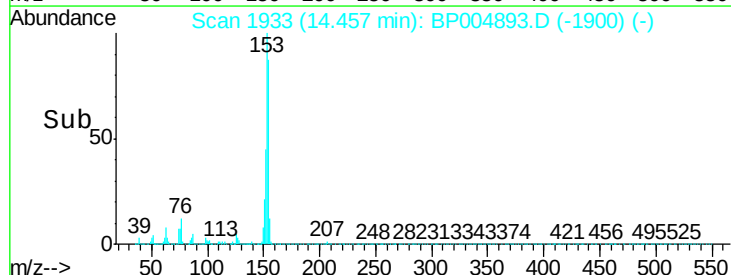
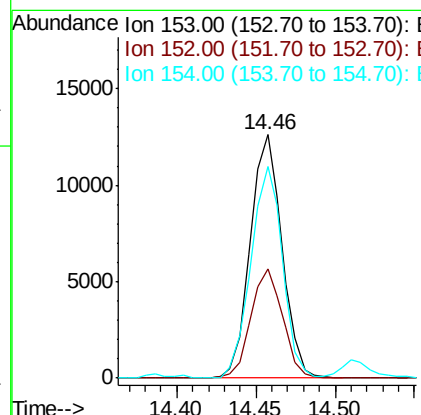
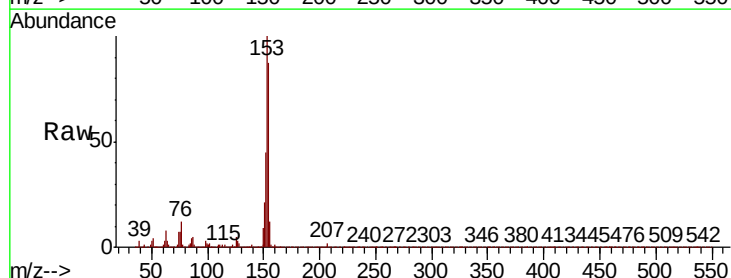
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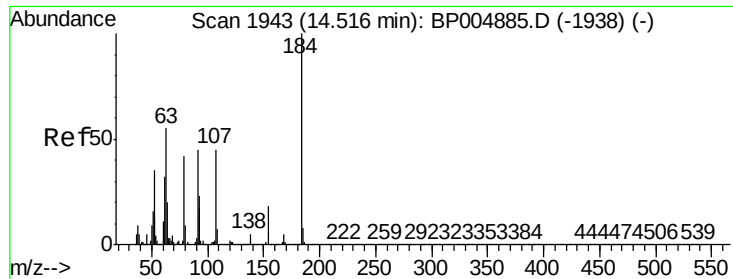
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#50
Acenaphthene
Concen: 4.311 ng/ul
RT: 14.46 min Scan# 1933
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Tgt Ion	Ratio	Lower	Upper
153	100		
152	44.9	38.7	58.1
154	86.7	72.2	108.2





#51

2,4-Dinitrophenol

Concen: 2.889 ng/ul

RT: 14.51 min Scan# 1942

Delta R.T. -0.01 min

Lab File: BP004893.D

Acq: 03 Mar 2021 14:53

Instrument :

BNA_P

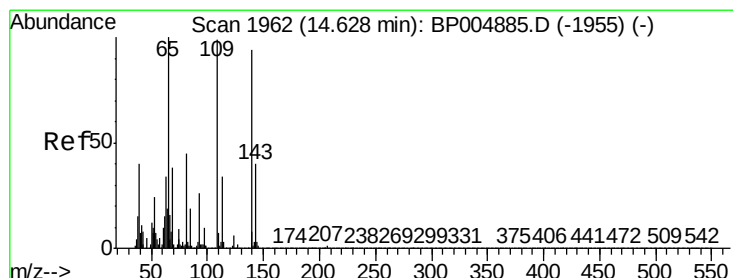
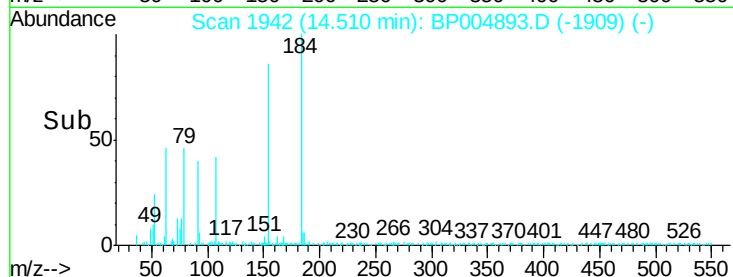
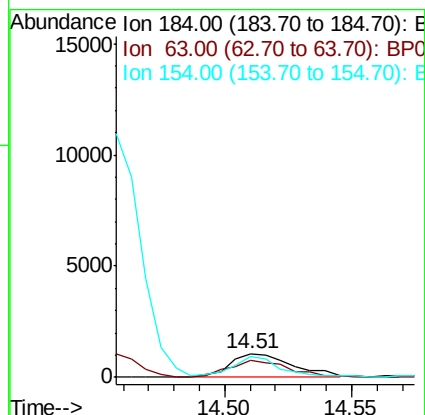
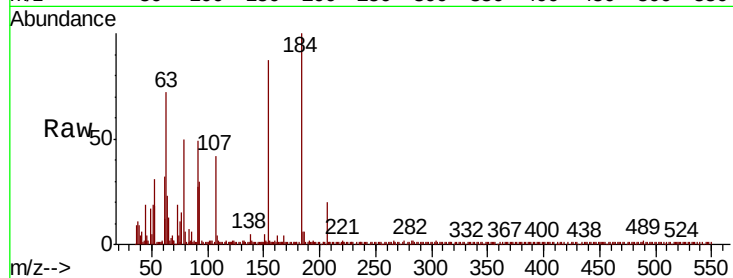
ClientSampled :

MDL-SOIL-01

Tot Ion:	184	Resp:	1826
Ion Ratio	Lower	Upper	
184	100		
63	72.1	58.3	87.5
154	87.2	52.0	78.0#

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#53

4-Nitrophenol

Concen: 4.445 ng/ul

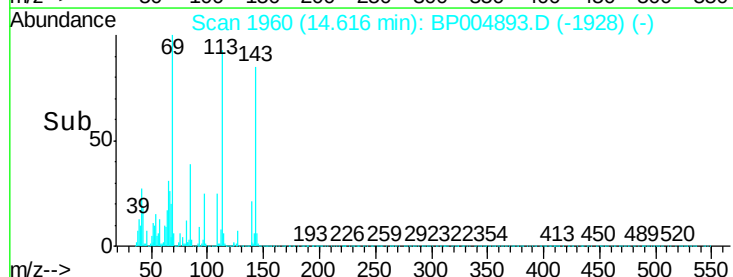
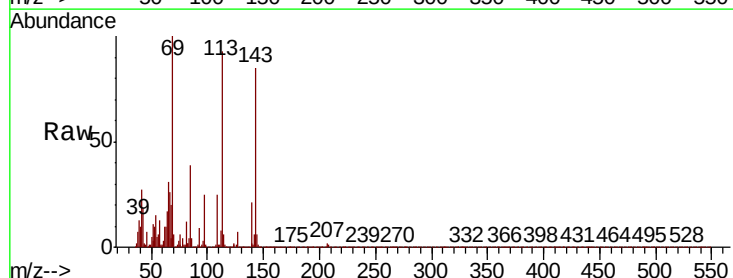
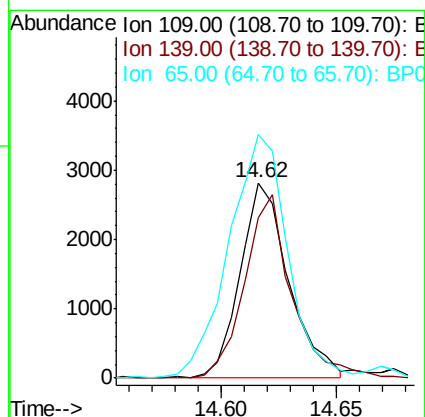
RT: 14.62 min Scan# 1960

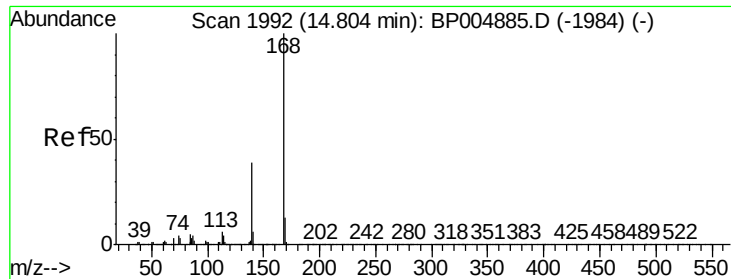
Delta R.T. -0.01 min

Lab File: BP004893.D

Acq: 03 Mar 2021 14:53

Tgt Ion:	109	Resp:	4128
Ion Ratio	Lower	Upper	
109	100		
139	82.1	77.6	116.4
65	124.6	85.5	128.3





#54

Dibenzofuran

Concen: 4.388 ng/ul

RT: 14.79 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BP004893.D

Acq: 03 Mar 2021 14:53

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-01

Tot Ion:168 Resp: 25843

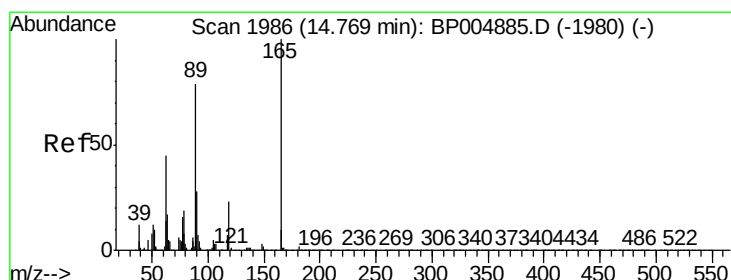
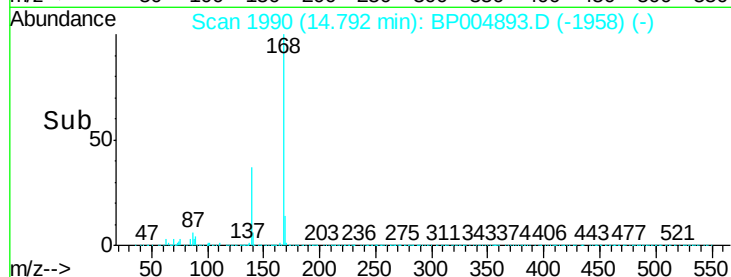
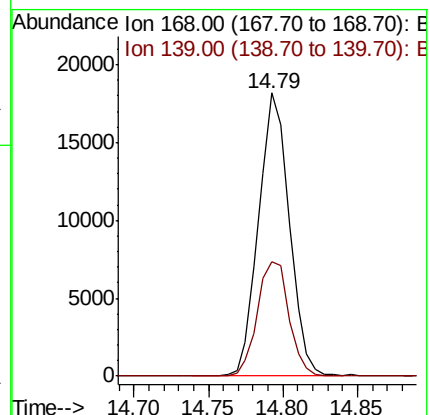
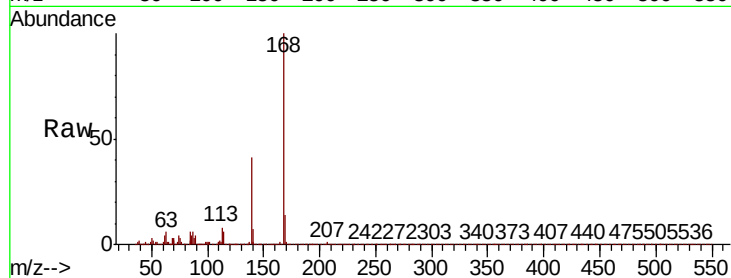
Ion Ratio Lower Upper

168 100

139 40.5 32.6 48.8

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#55

2,4-Dinitrotoluene

Concen: 3.798 ng/ul

RT: 14.76 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BP004893.D

Acq: 03 Mar 2021 14:53

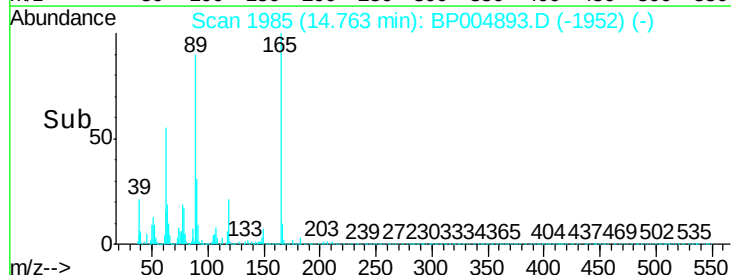
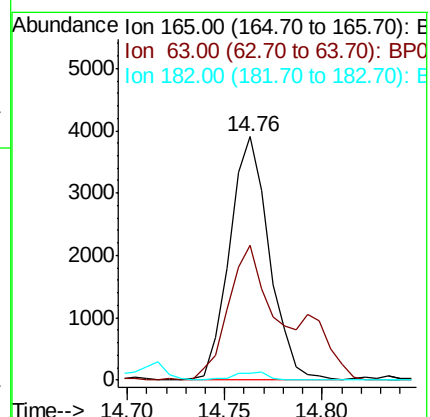
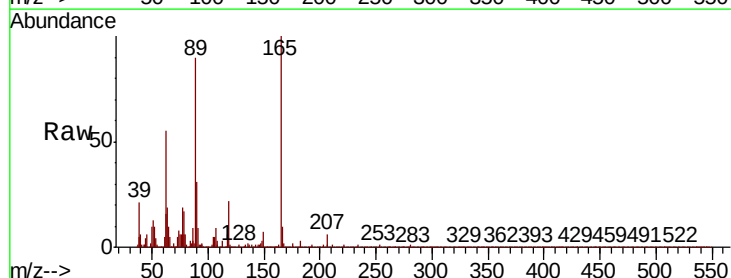
Tgt Ion:165 Resp: 5500

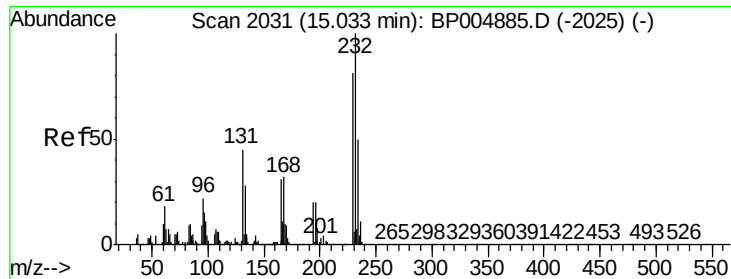
Ion Ratio Lower Upper

165 100

63 55.2 42.2 63.2

182 2.8 3.0 4.4#





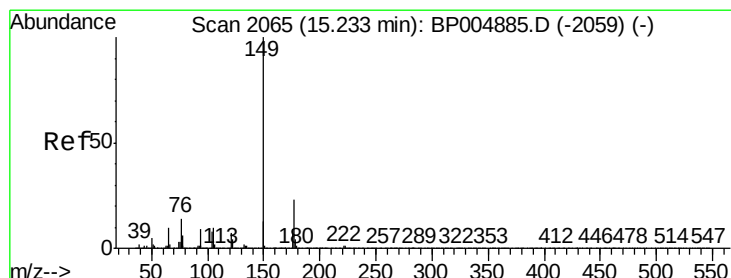
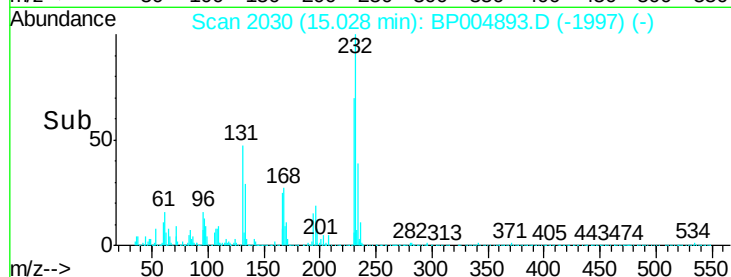
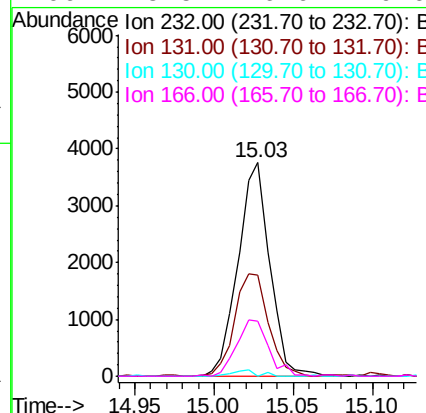
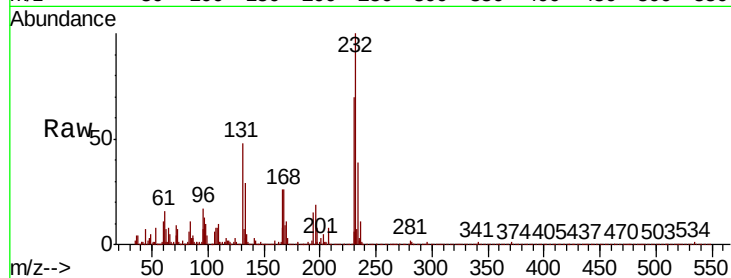
#56
 2,3,4,6-Tetrachlorophenol
 Concen: 4.205 ng/ul
 RT: 15.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BP004893.D
 Acq: 03 Mar 2021 14:53

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-01

Tot Ion:	232	Resp:	5223
Ion Ratio	Lower	Upper	
232	100		
131	47.5	38.2	57.4
130	0.0	2.5	3.7#
166	25.5	26.6	40.0#

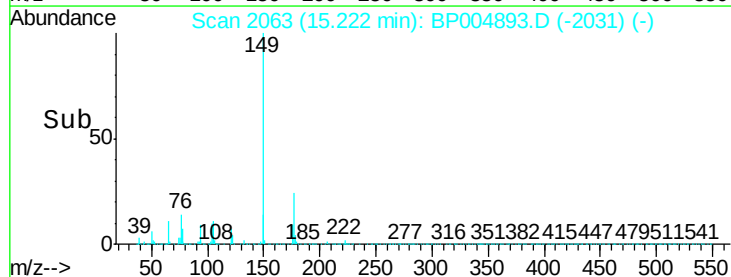
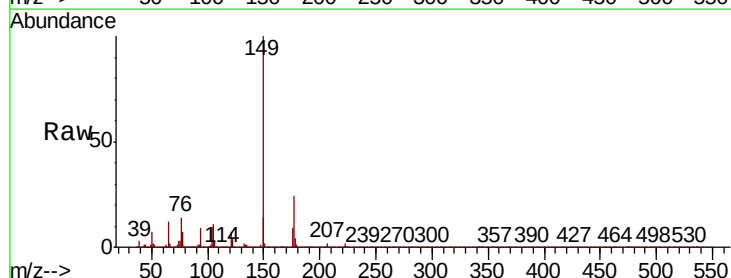
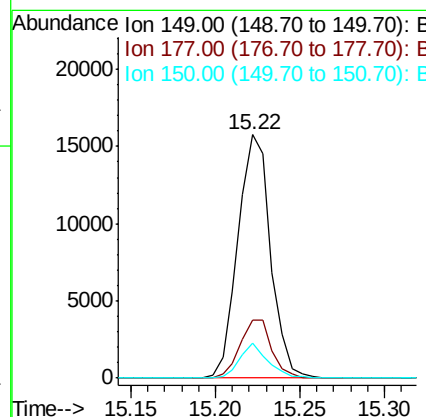
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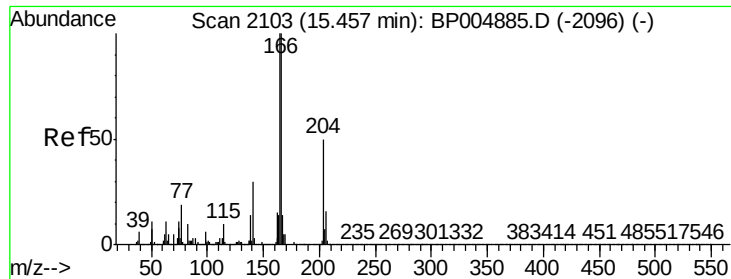
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#57
 Diethylphthalate
 Concen: 4.268 ng/ul
 RT: 15.22 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: BP004893.D
 Acq: 03 Mar 2021 14:53

Tgt Ion:	149	Resp:	21212
Ion Ratio	Lower	Upper	
149	100		
177	23.8	18.4	27.6
150	14.2	10.7	16.1





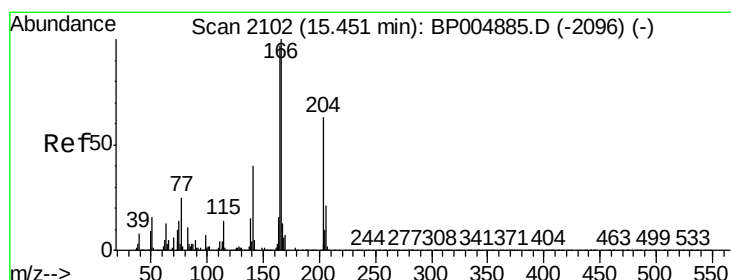
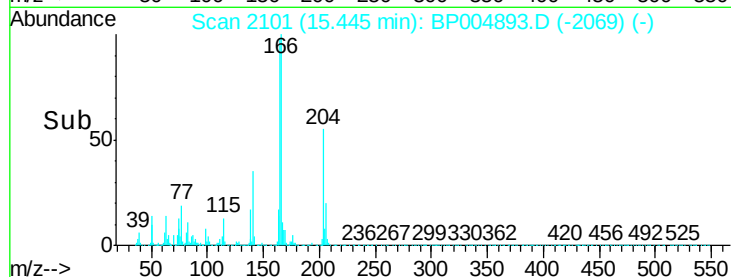
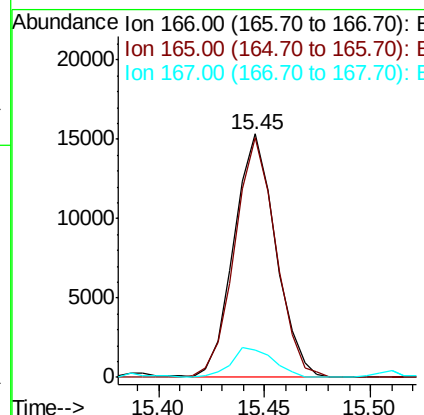
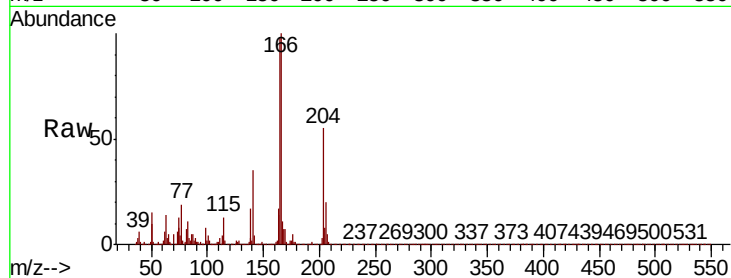
#59
Fluorene
Concen: 4.276 ng/ul
RT: 15.45 min Scan# 2101
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.3	75.2	112.8
167	11.4	10.8	16.2

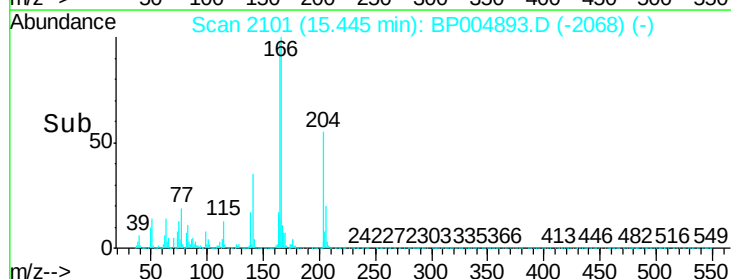
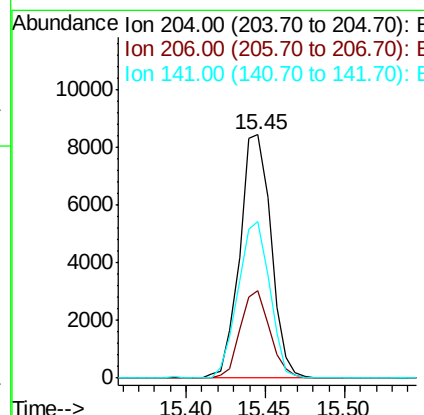
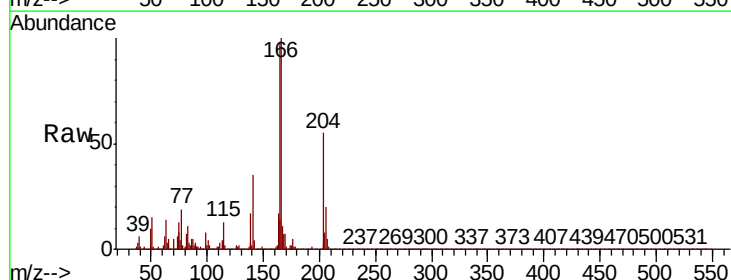
Manual Integrations
APPROVED

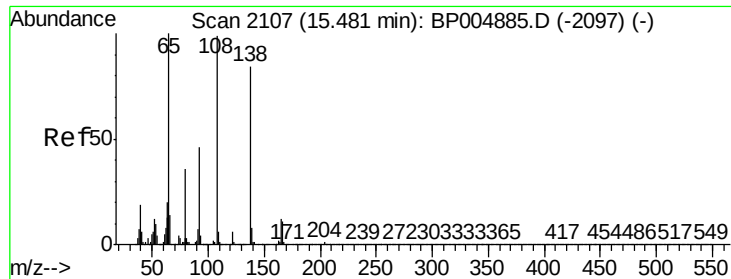
mohammad
3/4/2021 11:33:28 AM



#60
4-Chlorophenyl-phenylether
Concen: 4.462 ng/ul
RT: 15.45 min Scan# 2101
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Tgt Ion	Ratio	Lower	Upper
204	100		
206	35.8	26.3	39.5
141	64.4	48.2	72.2





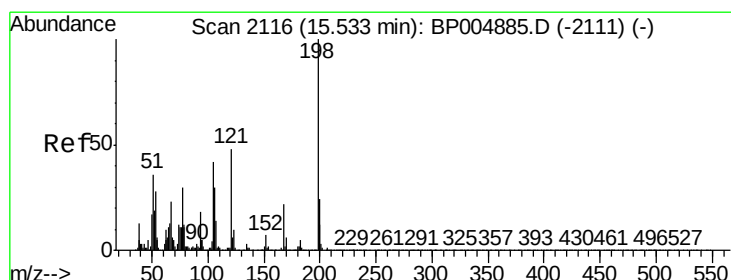
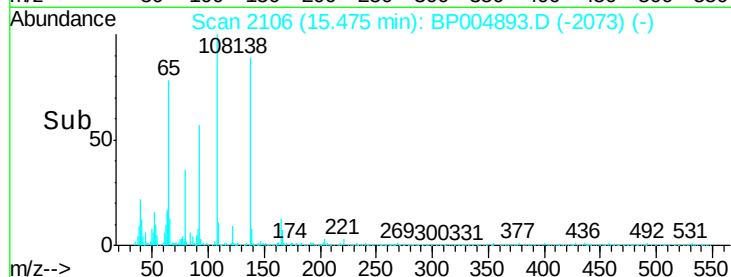
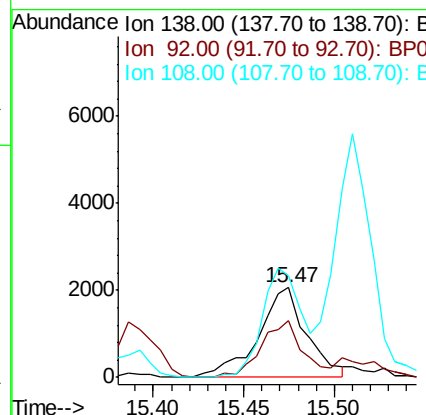
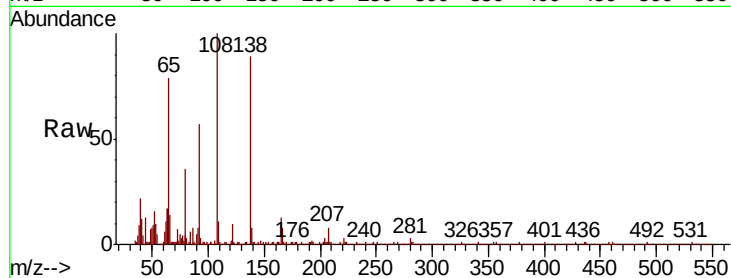
#61
4-Nitroaniline
Concen: 3.717 ng/ul
RT: 15.47 min Scan# 2106
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
138	100		
92	63.9	46.1	69.1
108	112.9	94.0	141.0

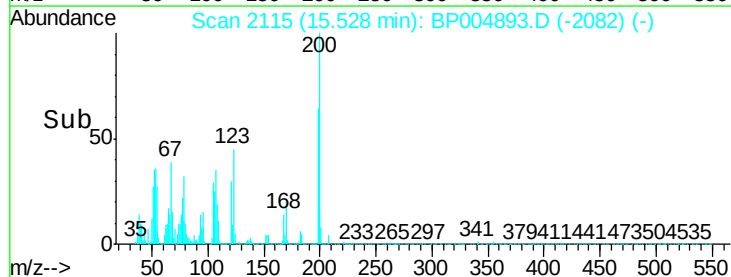
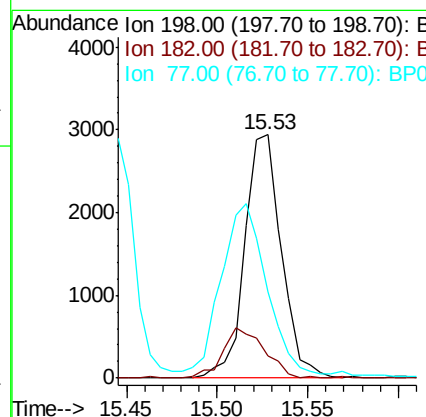
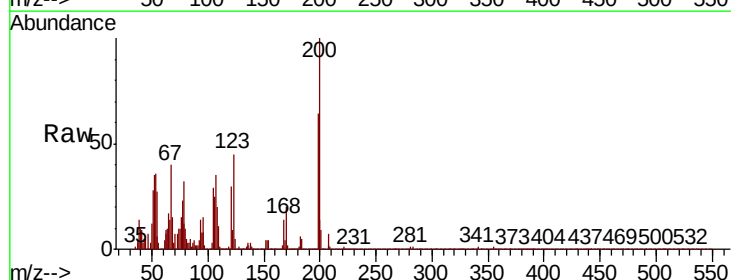
Manual Integrations
APPROVED

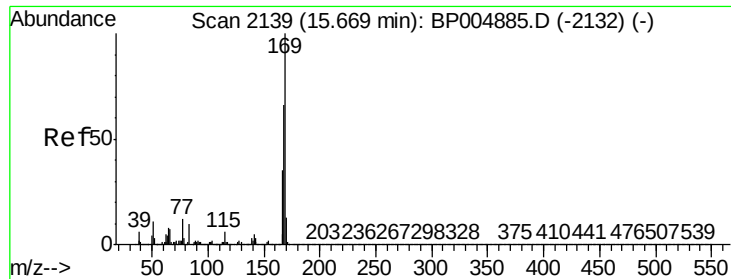
mohammad
3/4/2021 11:33:28 AM



#64
4,6-Dinitro-2-methylphenol
Concen: 4.321 ng/ul
RT: 15.53 min Scan# 2115
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Tgt Ion	Ratio	Lower	Upper
198	100		
182	9.1	4.0	6.0#
77	35.7	23.9	35.9





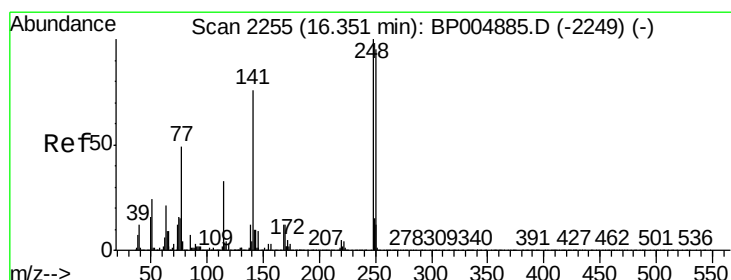
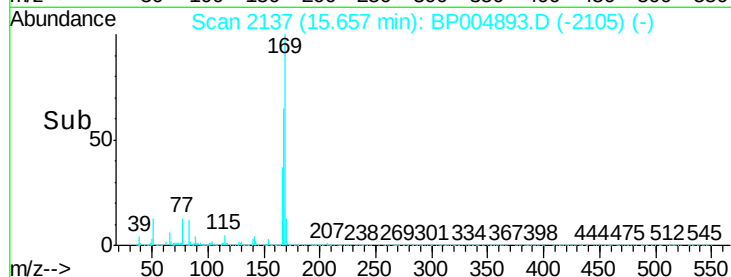
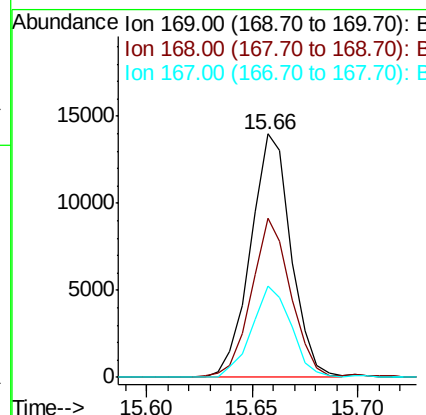
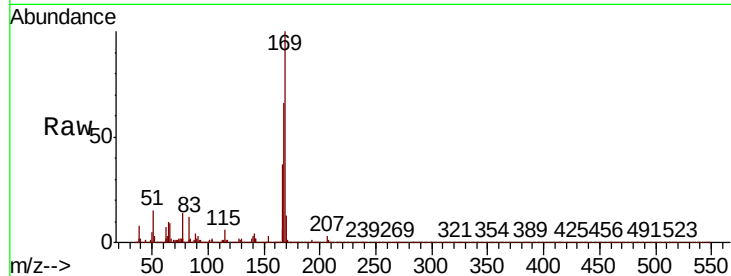
#65
N-Nitrosodiphenylamine
Concen: 4.363 ng/ul
RT: 15.66 min Scan# 2137
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
169	100		
168	65.5	54.1	81.1
167	37.4	29.0	43.4

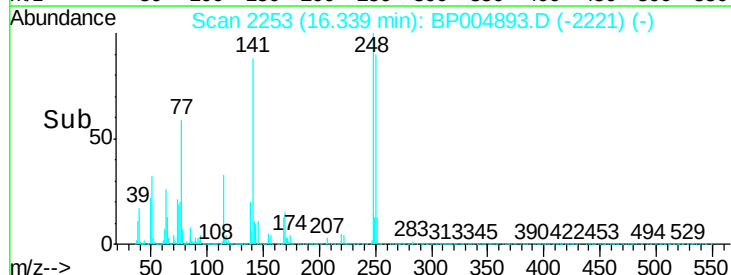
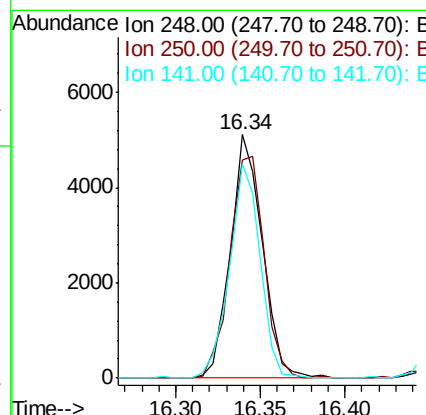
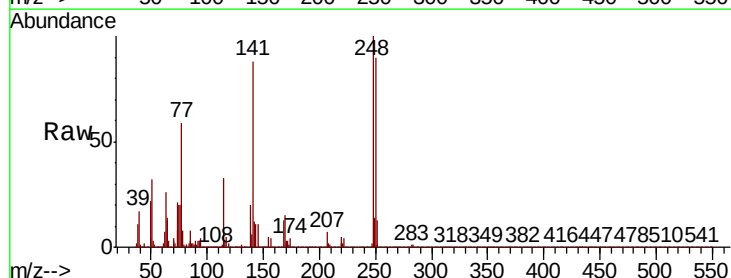
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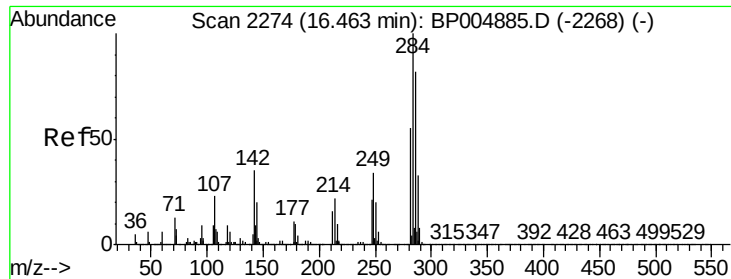
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#66
4-Bromophenyl-phenylether
Concen: 4.382 ng/ul
RT: 16.34 min Scan# 2253
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Tgt Ion	Ratio	Lower	Upper
248	100		
250	89.8	76.1	114.1
141	87.9	69.9	104.9





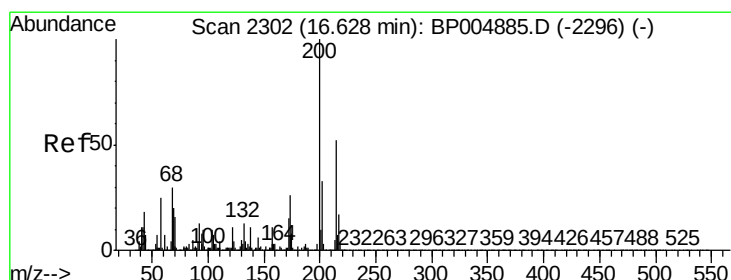
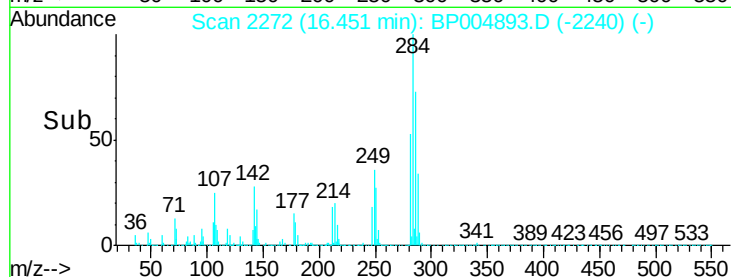
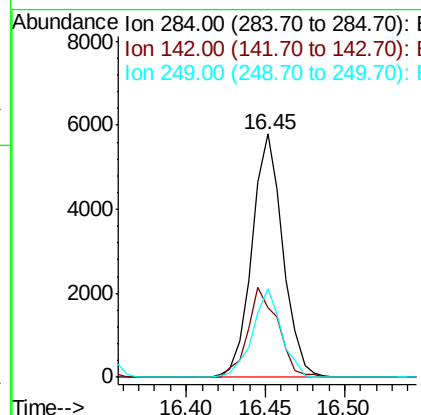
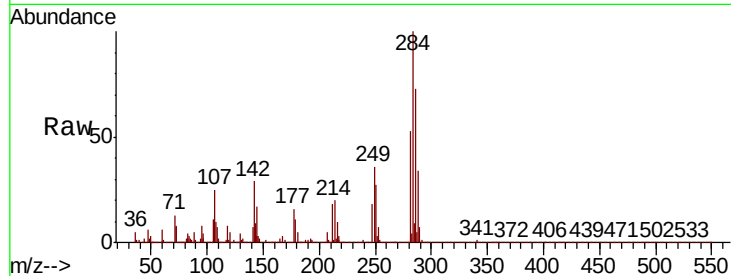
#67
Hexachlorobenzene
Concen: 4.445 ng/ul
RT: 16.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
284	100		
142	28.8	33.6	50.4#
249	36.4	25.0	37.4

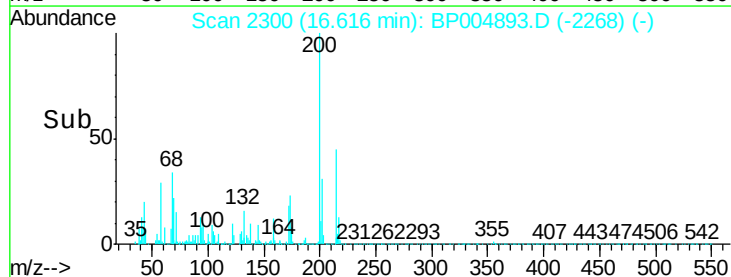
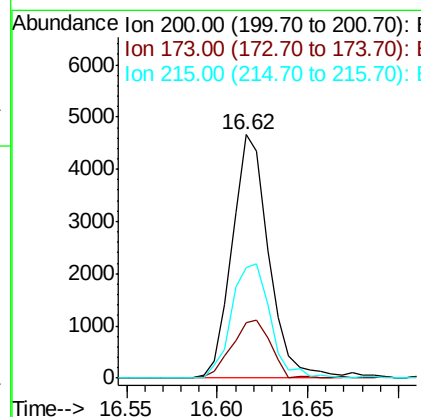
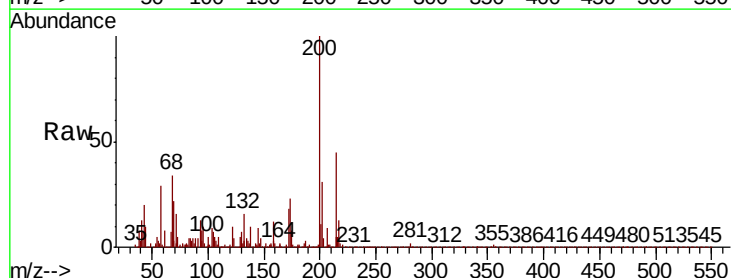
Manual Integrations
APPROVED

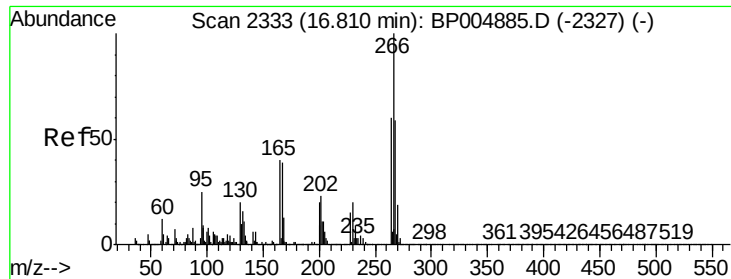
mohammad
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#68
Atrazine
Concen: 3.923 ng/ul
RT: 16.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Tgt Ion	Ratio	Lower	Upper
200	100		
173	22.6	21.2	31.8
215	45.4	38.3	57.5





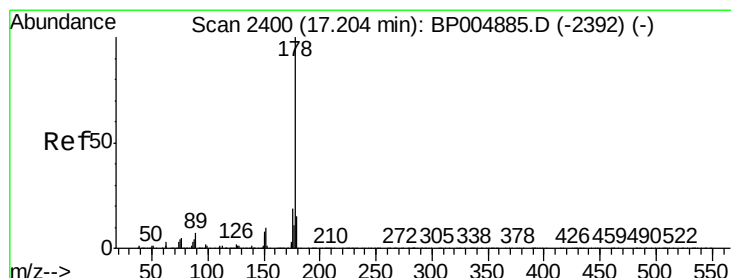
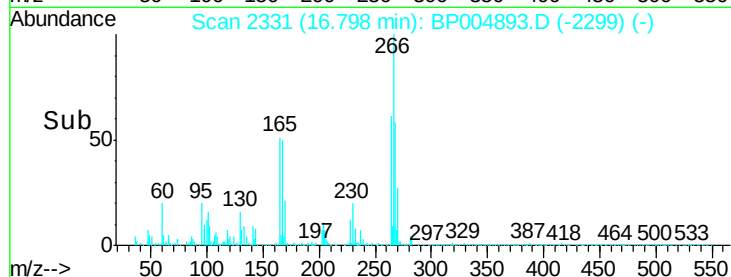
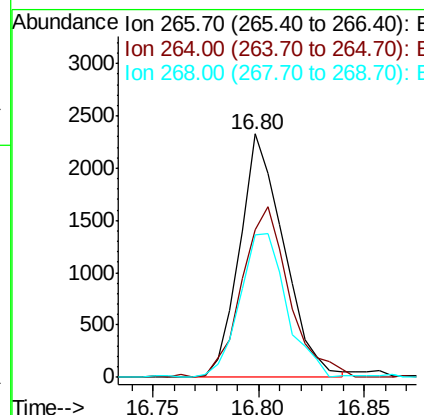
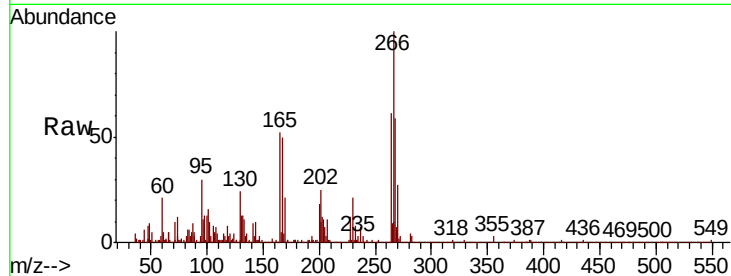
#69
 Pentachlorophenol
 Concen: 3.104 ng/ul
 RT: 16.80 min Scan# 2331
 Delta R.T. -0.01 min
 Lab File: BP004893.D
 Acq: 03 Mar 2021 14:53

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-01

Tot Ion:	266	Resp:	3357
Ion Ratio	Lower	Upper	
266	100		
264	60.5	49.6	74.4
268	58.8	52.6	78.8

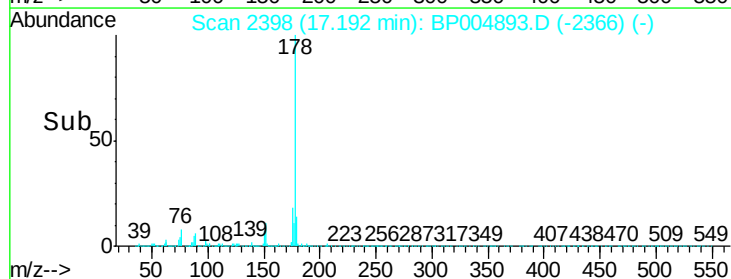
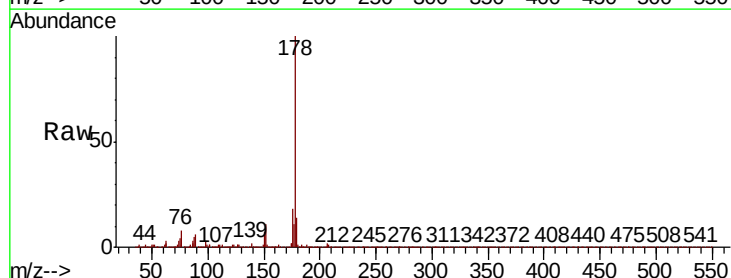
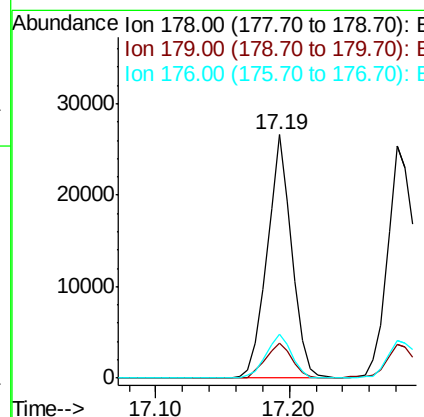
Manual Integrations
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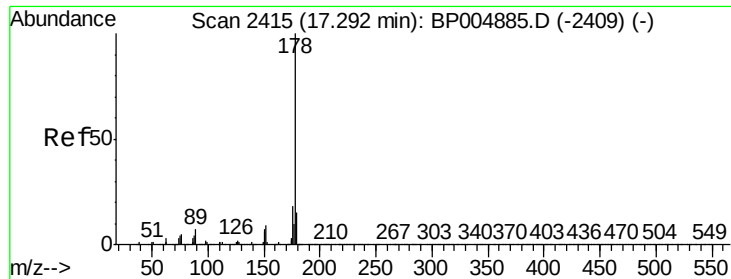
mohammad
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#70
 Phenanthrene
 Concen: 4.273 ng/ul
 RT: 17.19 min Scan# 2398
 Delta R.T. -0.01 min
 Lab File: BP004893.D
 Acq: 03 Mar 2021 14:53

Tgt Ion:	178	Resp:	33747
Ion Ratio	Lower	Upper	
178	100		
179	14.3	12.6	18.8
176	18.2	14.6	21.8





#72

Anthracene

Concen: 4.474 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BP004893.D

Acq: 03 Mar 2021 14:53

Instrument :

BNA_P

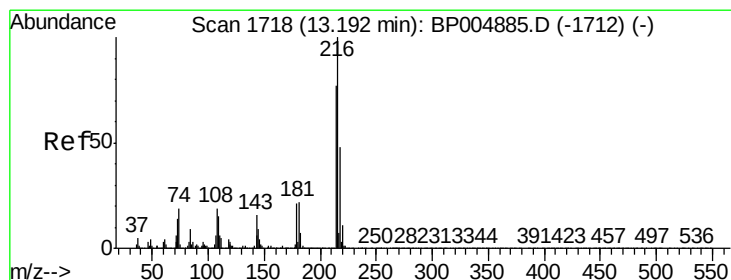
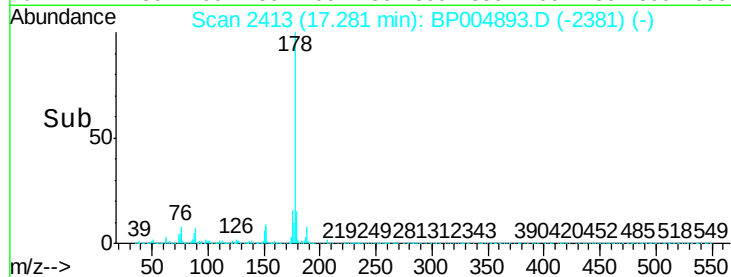
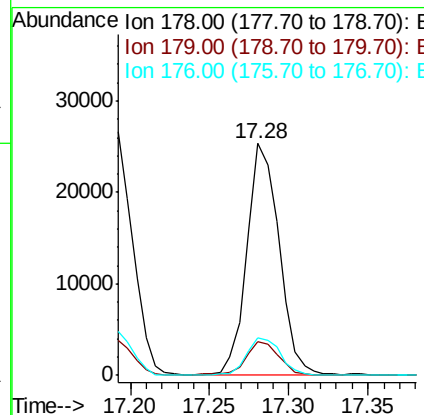
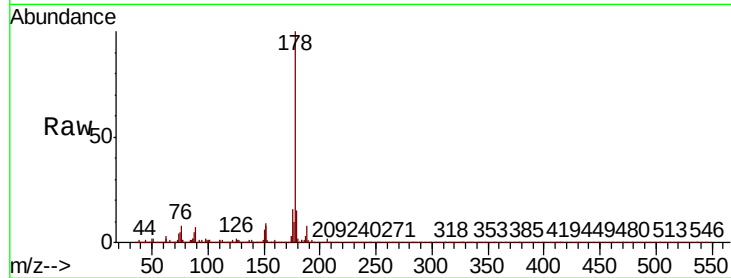
ClientSampleId :

MDL-SOIL-01

Tot Ion:	178	Resp:	36074
Ion Ratio	Lower	Upper	
178	100		
179	14.5	11.8	17.8
176	16.1	14.3	21.5

Manual Integrations
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#73

1,2,3,4-Tetrachlorobenzene

Concen: 4.013 ng/uL

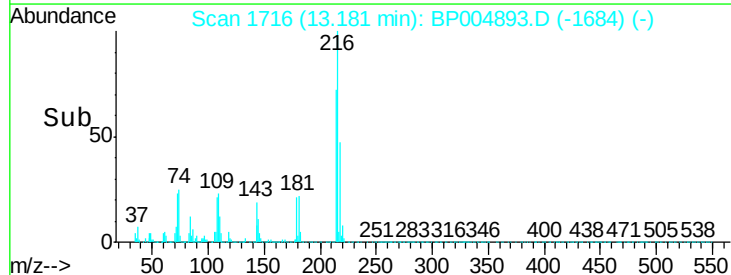
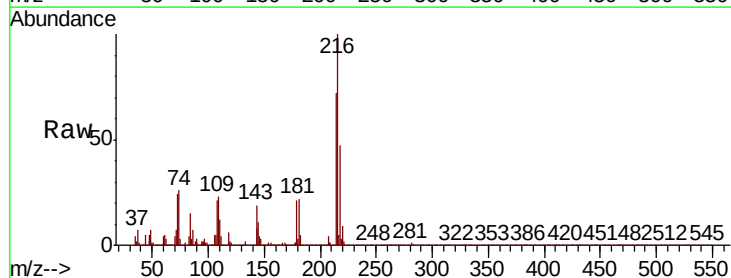
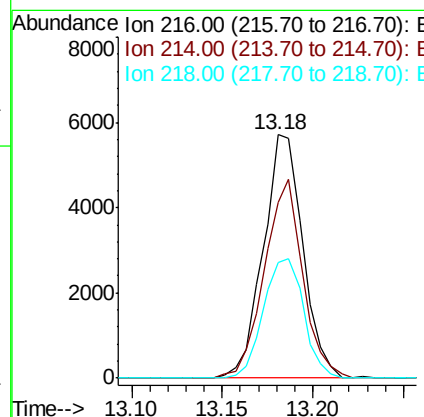
RT: 13.18 min Scan# 1716

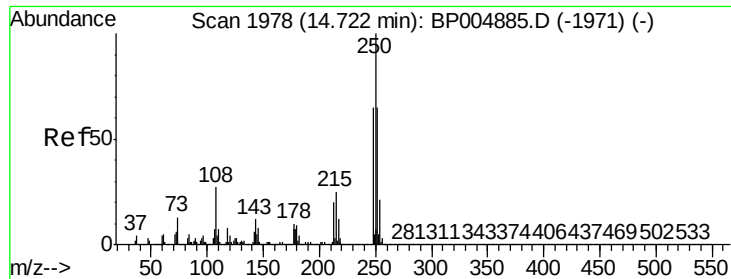
Delta R.T. -0.01 min

Lab File: BP004893.D

Acq: 03 Mar 2021 14:53

Tgt Ion:	216	Resp:	8682
Ion Ratio	Lower	Upper	
216	100		
214	72.4	60.6	90.8
218	47.4	36.6	55.0





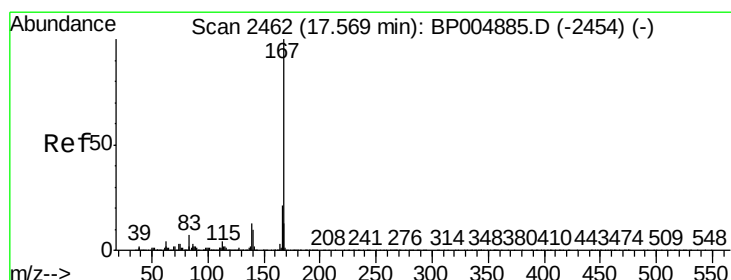
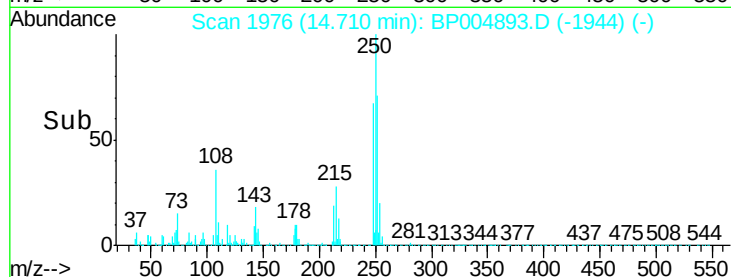
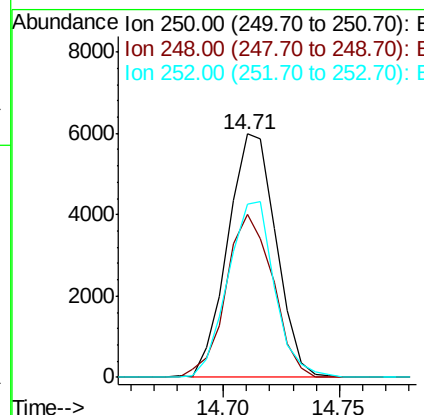
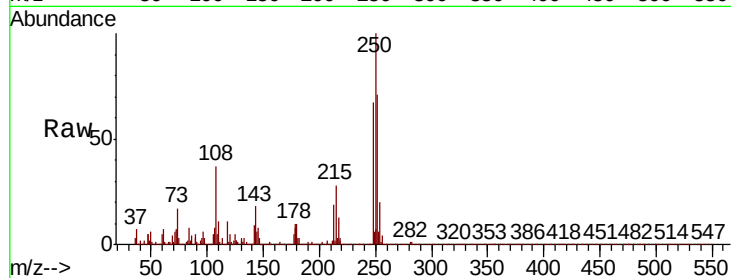
#74
Pentachlorobenzene
Concen: 4.145 ng/uL
RT: 14.71 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-01

Tot Ion:	250	Resp:	8735
Ion Ratio	Lower	Upper	
250	100		
248	62.8	50.5	75.7
252	66.5	49.5	74.3

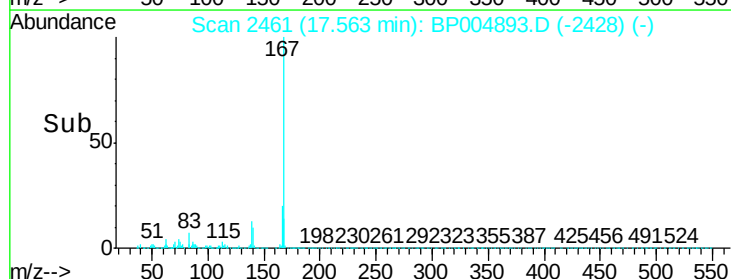
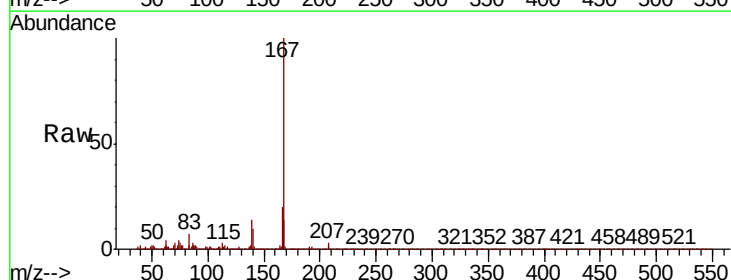
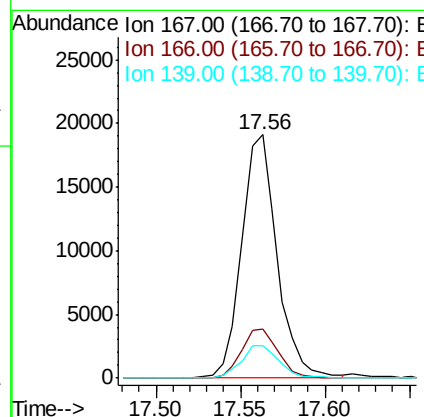
Manual Integrations
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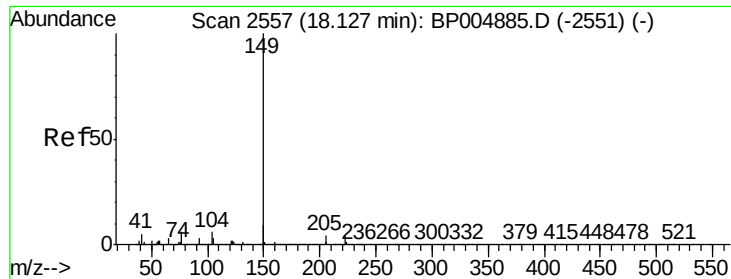
mohammad
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#75
Carbazole
Concen: 3.943 ng/uL
RT: 17.56 min Scan# 2461
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Tgt Ion:	167	Resp:	27957
Ion Ratio	Lower	Upper	
167	100		
166	20.0	17.5	26.3
139	13.5	10.9	16.3





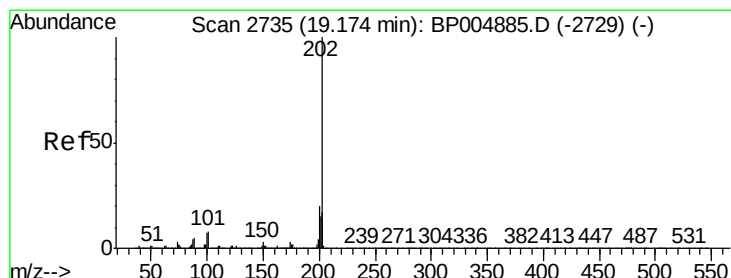
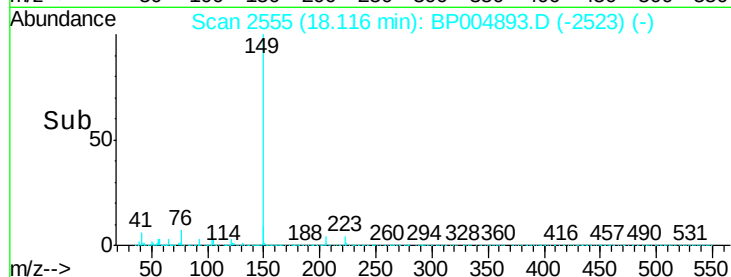
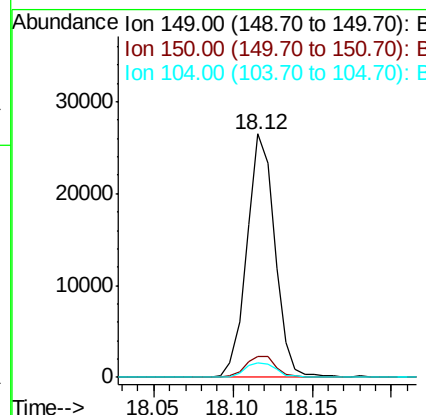
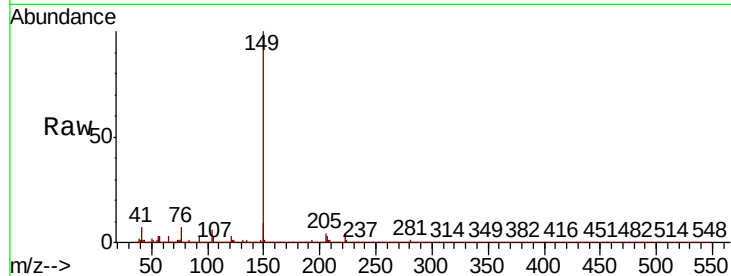
#76
Di-n-butylphthalate
Concen: 3.872 ng/ul
RT: 18.12 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
149	100		
150	8.5	7.0	10.4
104	5.9	5.0	7.6

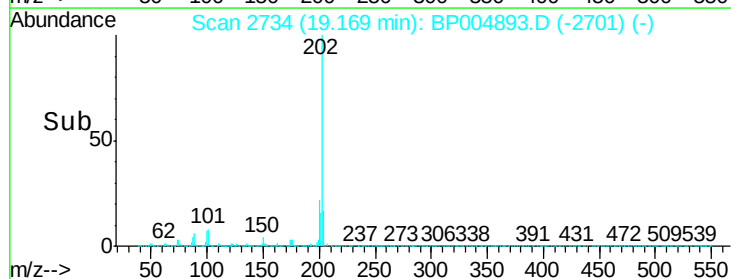
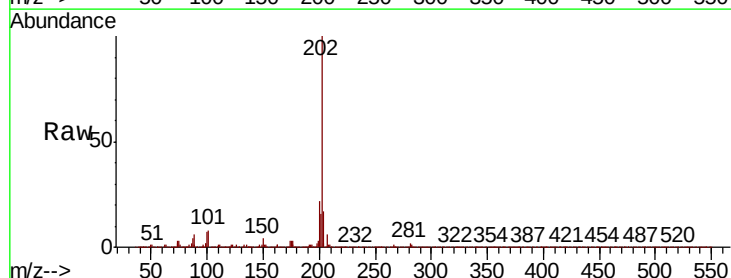
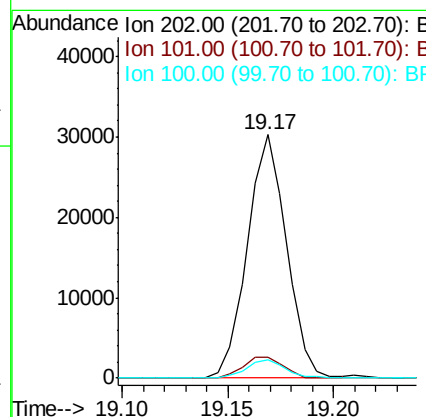
Manual Integrations
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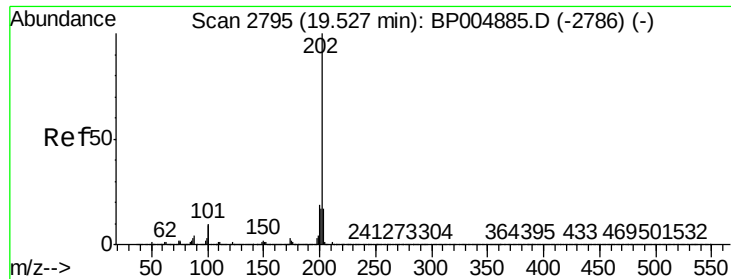
mohammad
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#77
Fluoranthene
Concen: 4.117 ng/ul
RT: 19.17 min Scan# 2734
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	7.5	11.3
100	7.4	5.9	8.9





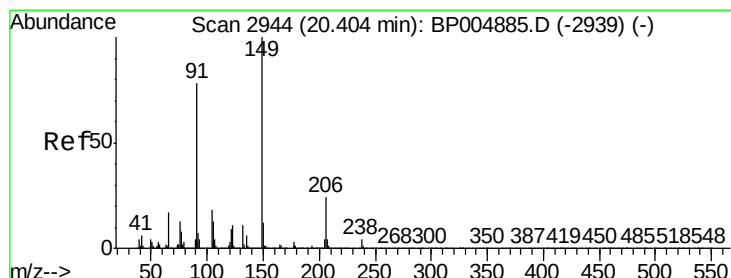
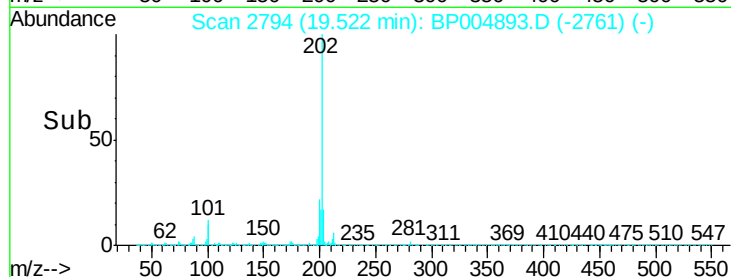
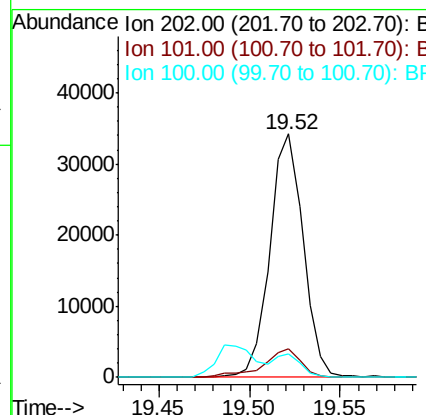
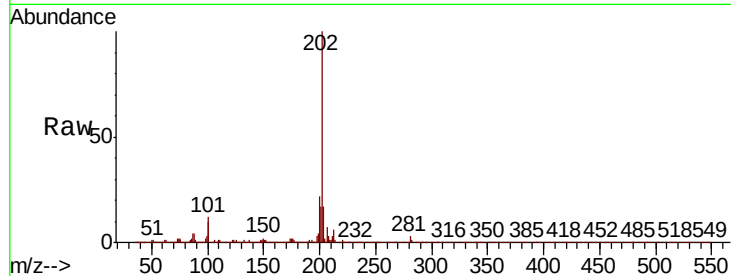
#80
Pvrene
Concen: 4.305 ng/ul
RT: 19.52 min Scan# 2794
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Resp	Lower	Upper
202	100	43906		
101	11.6		8.6	13.0
100	9.6		6.9	10.3

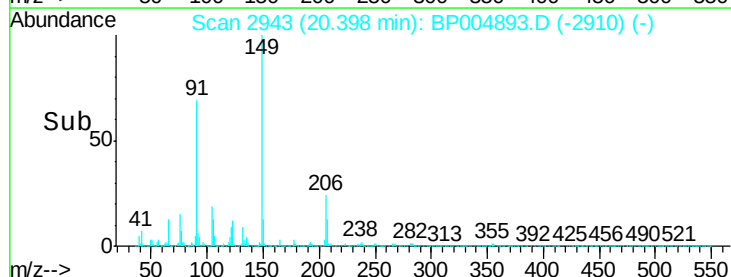
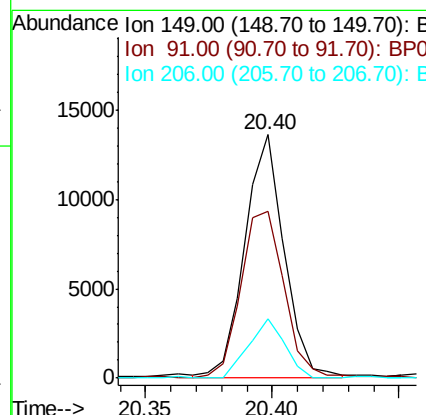
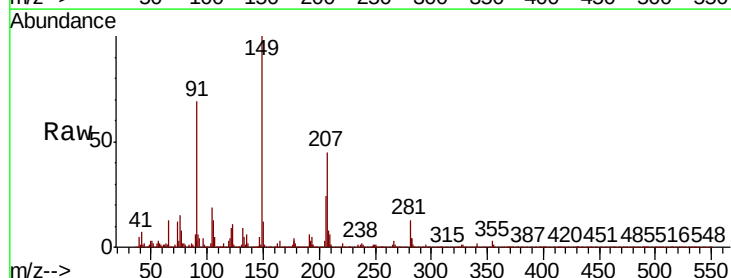
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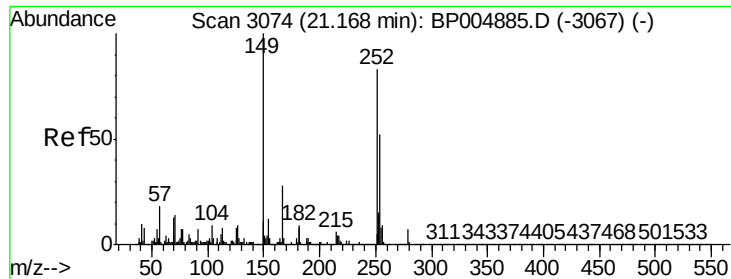
mohammad
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#81
Butylbenzylphthalate
Concen: 3.668 ng/ul
RT: 20.40 min Scan# 2943
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	14596		
91	68.6		62.0	93.0
206	24.1		19.0	28.6





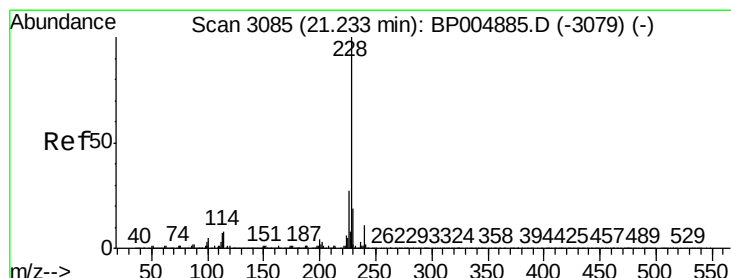
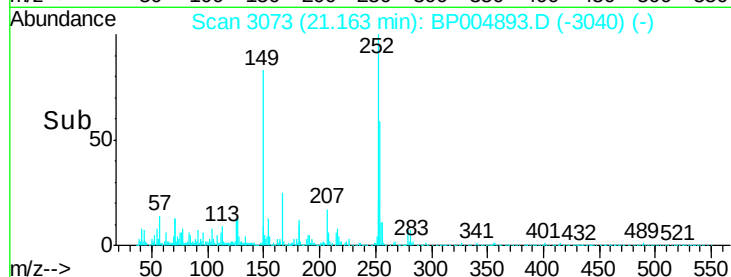
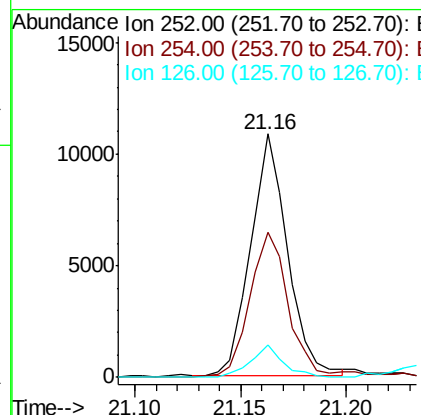
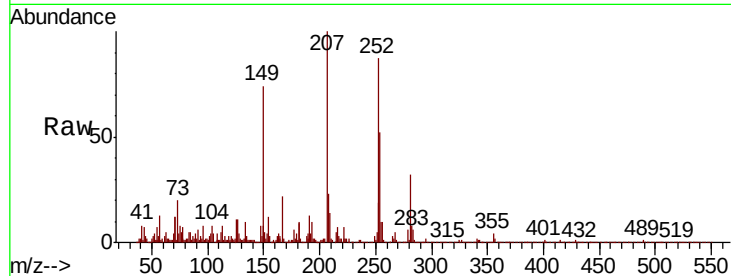
#82
 3,3'-Dichlorobenzidine
 Concen: 3.827 ng/ul
 RT: 21.16 min Scan# 3073
 Delta R.T. -0.01 min
 Lab File: BP004893.D
 Acq: 03 Mar 2021 14:53

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
252	100		
254	59.4	50.8	76.2
126	13.1	7.7	11.5

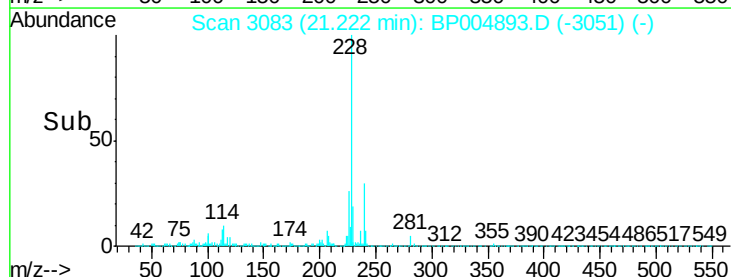
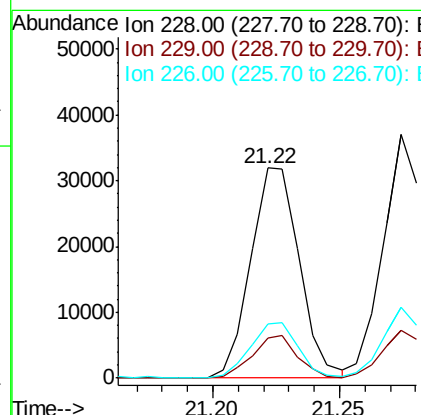
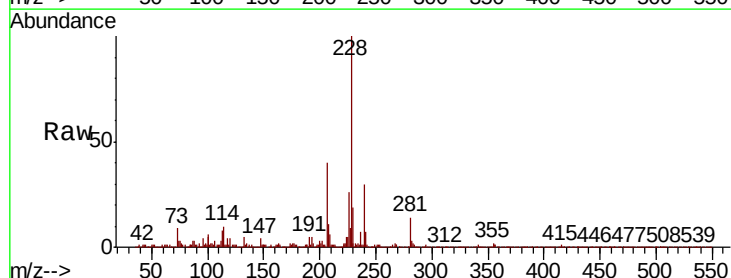
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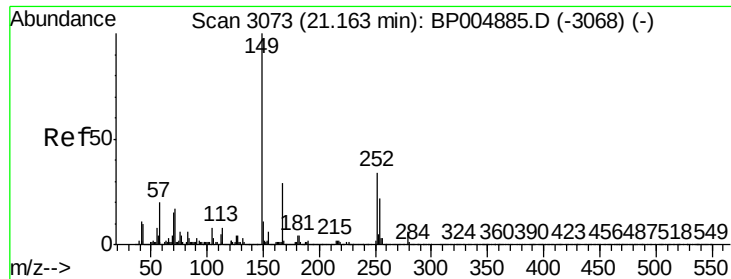
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#83
 Benzo(a)anthracene
 Concen: 4.180 ng/ul
 RT: 21.22 min Scan# 3083
 Delta R.T. -0.01 min
 Lab File: BP004893.D
 Acq: 03 Mar 2021 14:53

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.1	15.4	23.0
226	25.7	21.1	31.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.607 ng/ul

RT: 21.16 min Scan# 3072

Delta R.T. -0.01 min

Lab File: BP004893.D

Acq: 03 Mar 2021 14:53

Instrument :

BNA_P

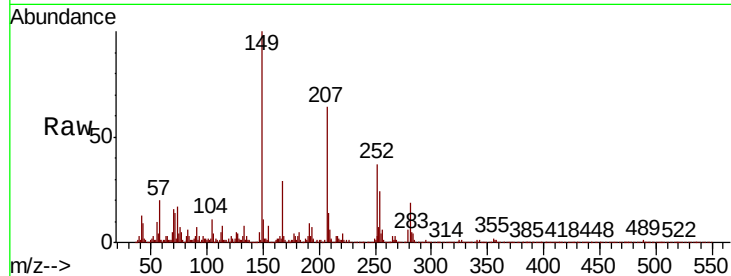
ClientSampled :

MDL-SOIL-01

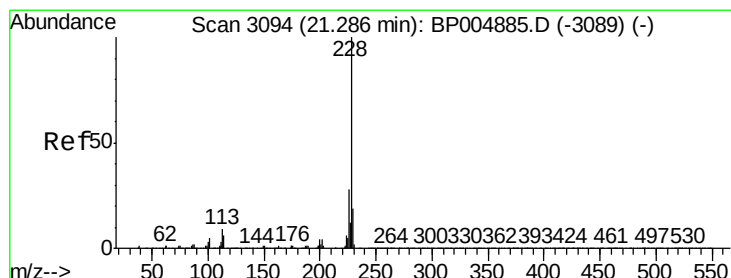
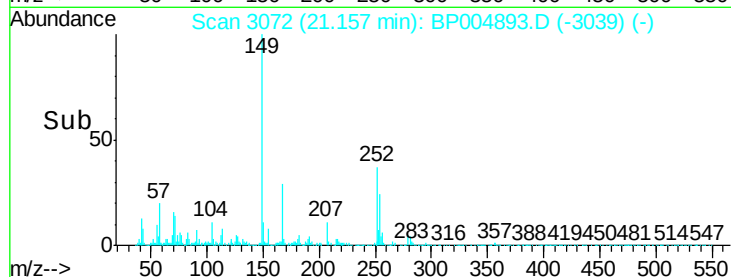
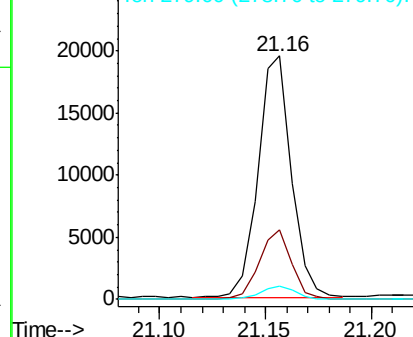
Tot Ion:	149	Resp:	21446
Ion Ratio	Lower	Upper	
149	100		
167	28.6	23.0	34.6
279	5.5	4.1	6.1

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



#85

Chrysene

Concen: 4.296 ng/ul

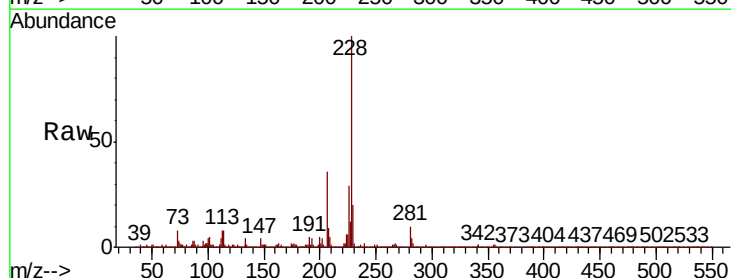
RT: 21.27 min Scan# 3092

Delta R.T. -0.01 min

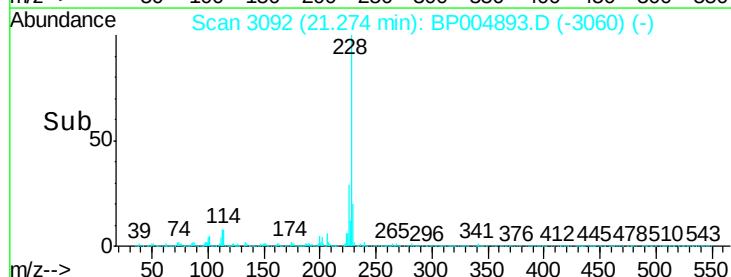
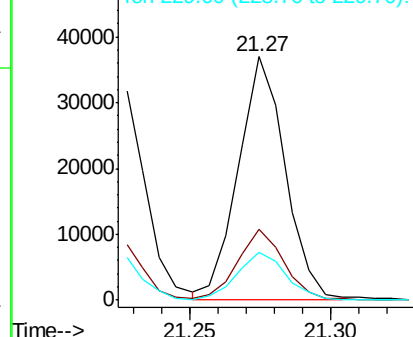
Lab File: BP004893.D

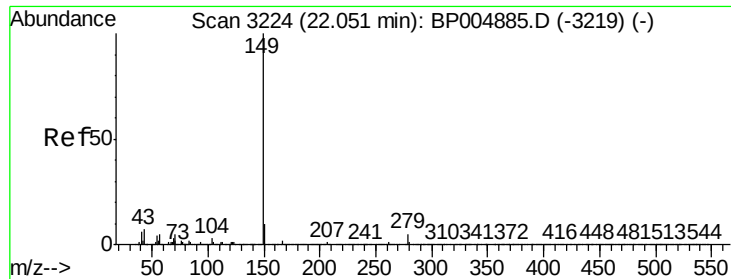
Acq: 03 Mar 2021 14:53

Tgt Ion:	228	Resp:	42698
Ion Ratio	Lower	Upper	
228	100		
226	29.3	23.3	34.9
229	19.5	15.6	23.4



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





#87

Di-n-octyl phthalate

Concen: 3.329 ng/ul

RT: 22.05 min Scan# 3223

Delta R.T. -0.01 min

Lab File: BP004893.D

Acq: 03 Mar 2021 14:53

Instrument :

BNA_P

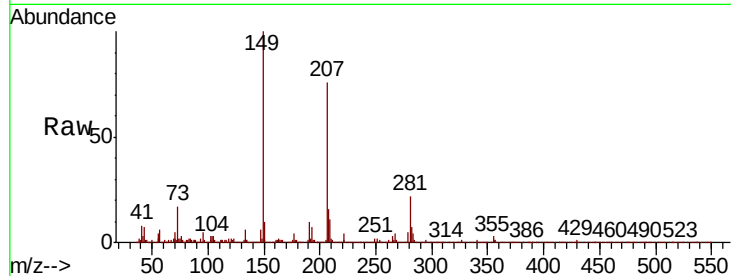
ClientSampleId :

MDL-SOIL-01

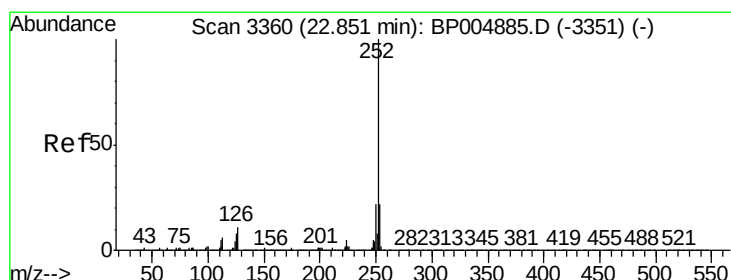
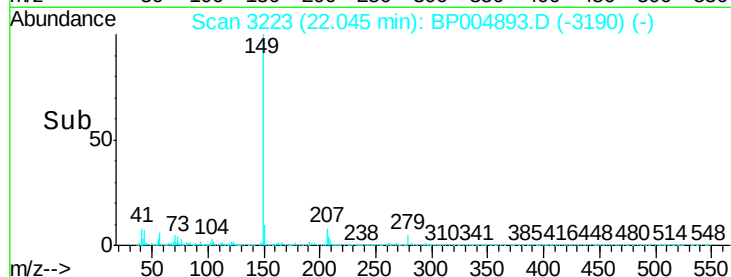
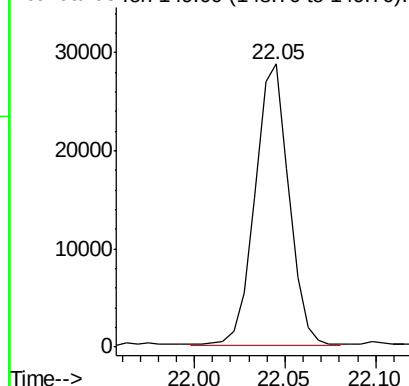
Tgt Ion:149 Resp: 36991

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Abundance Ion 149.00 (148.70 to 149.70): E



#88

Benzo(b)fluoranthene

Concen: 4.302 ng/ul

RT: 22.84 min Scan# 3358

Delta R.T. -0.01 min

Lab File: BP004893.D

Acq: 03 Mar 2021 14:53

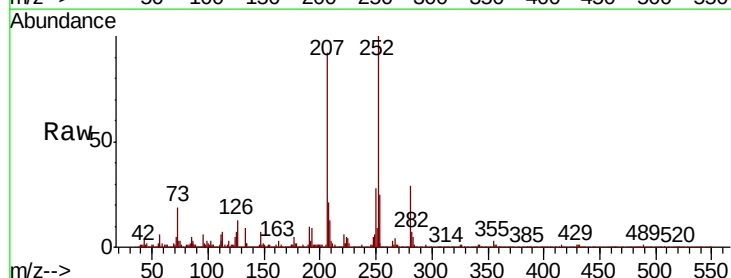
Tgt Ion:252 Resp: 45154

Ion Ratio Lower Upper

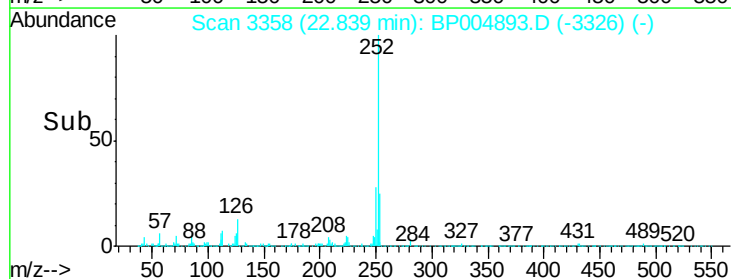
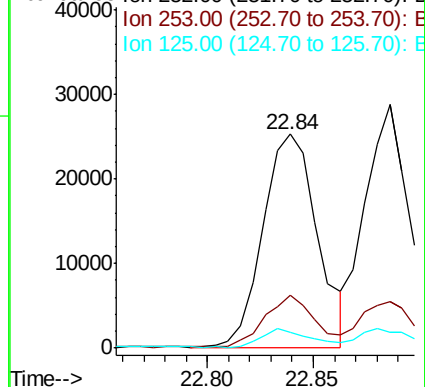
252 100

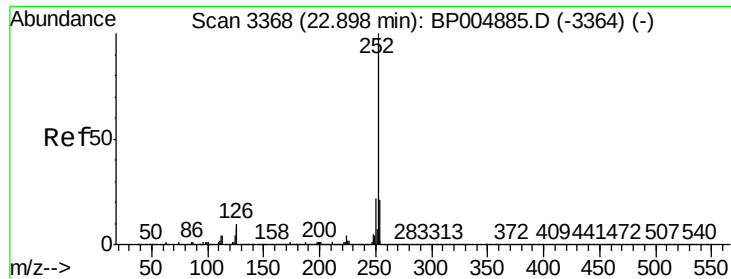
253 24.9 17.6 26.4

125 7.4 6.5 9.7



Abundance Ion 252.00 (251.70 to 252.70): E





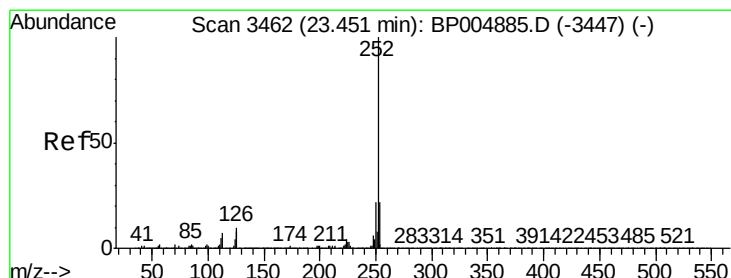
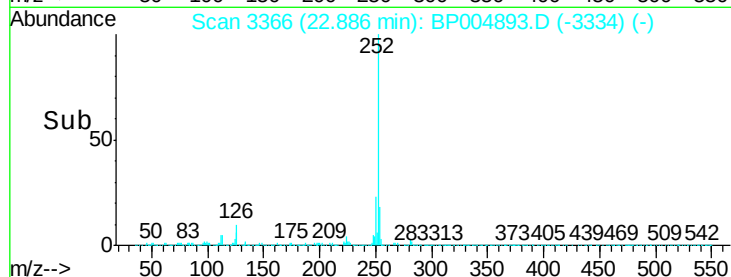
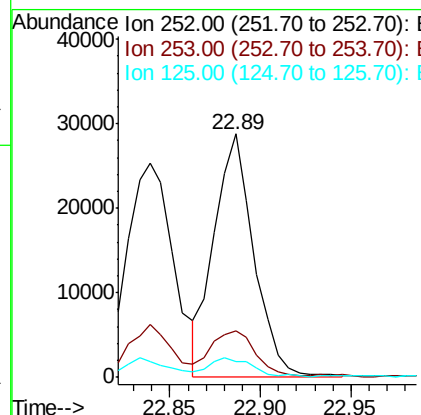
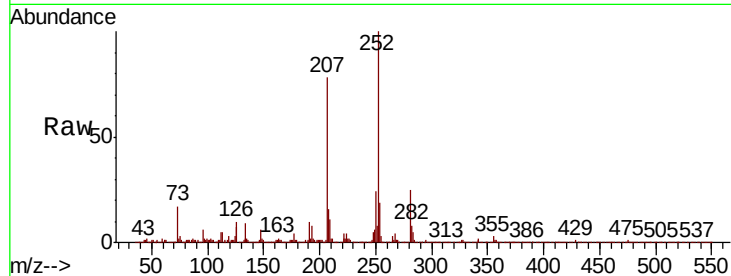
#89
Benzo(k)fluoranthene
Concen: 4.203 ng/ul
RT: 22.89 min Scan# 3366
Delta R.T. -0.01 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-01

Tot Ion:	252	Resp:	43624
Ion Ratio	Lower	Upper	
252	100		
253	18.9	17.6	26.4
125	6.7	6.5	9.7

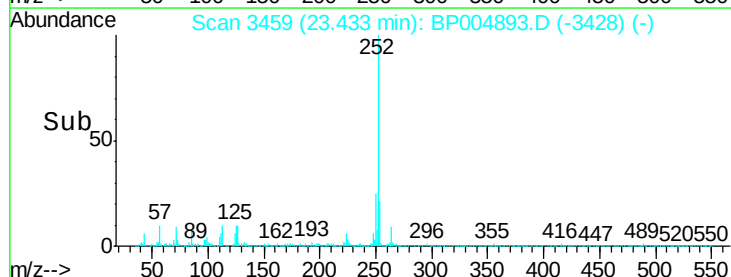
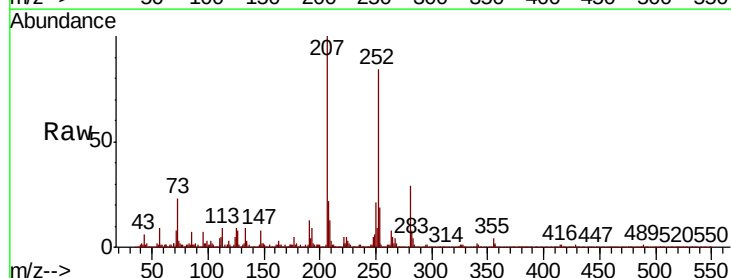
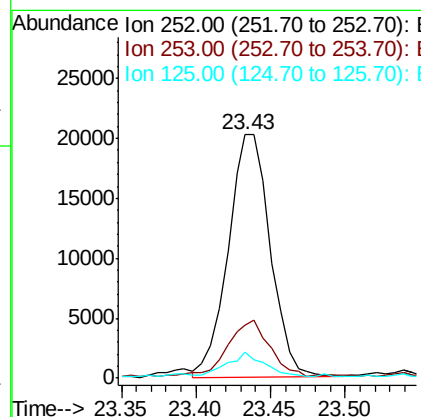
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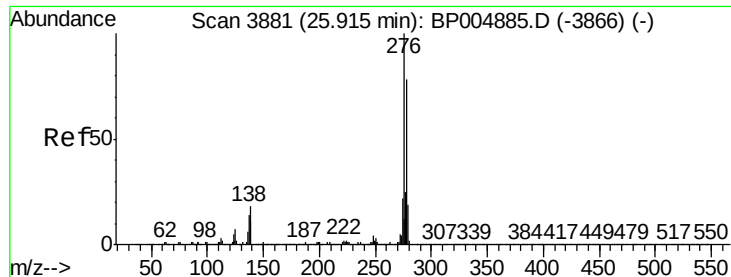
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#91
Benzo(a)pyrene
Concen: 4.320 ng/ul
RT: 23.43 min Scan# 3459
Delta R.T. -0.02 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Tgt Ion:	252	Resp:	39810
Ion Ratio	Lower	Upper	
252	100		
253	22.0	16.9	25.3
125	10.8	6.9	10.3#





#92

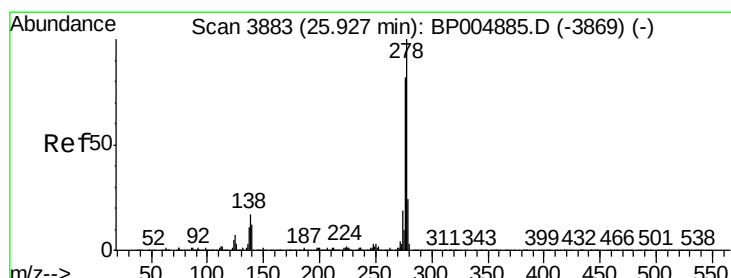
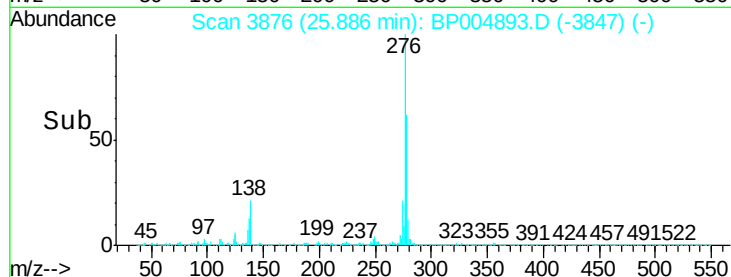
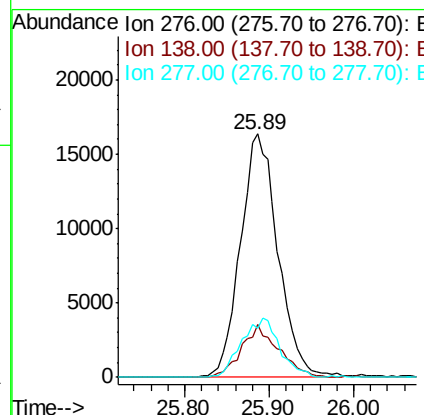
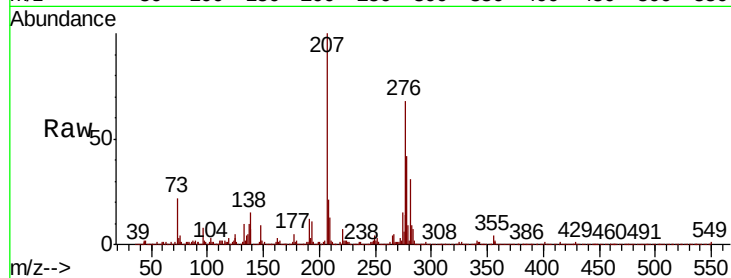
Indeno(1,2,3-cd)pyrene
Concen: 4.274 ng/ul
RT: 25.89 min Scan# 3876
Delta R.T. -0.03 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	16.5	24.7
277	20.1	19.1	28.7

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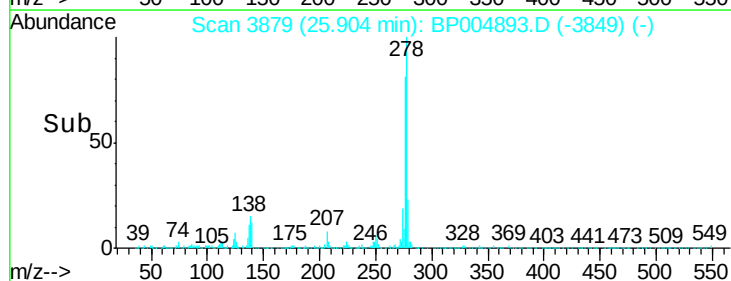
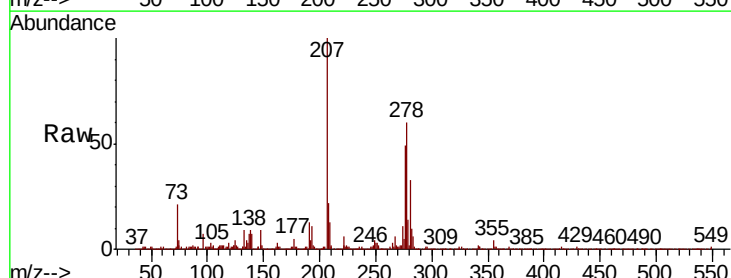
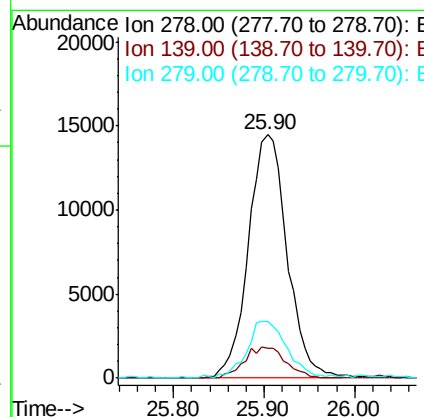
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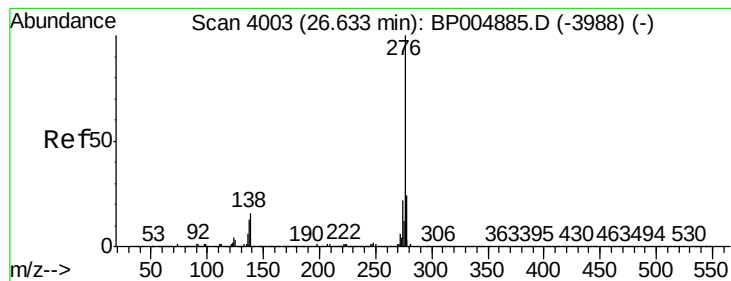


#93

Dibenzo(a,h)anthracene
Concen: 4.291 ng/ul
RT: 25.90 min Scan# 3879
Delta R.T. -0.02 min
Lab File: BP004893.D
Acq: 03 Mar 2021 14:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.2	10.6	16.0
279	23.4	20.0	30.0





#94

Benzo(a,h,i)perylene

Concen: 4.260 ng/ul

RT: 26.60 min Scan# 3998

Delta R.T. -0.03 min

Lab File: BP004893.D

Acq: 03 Mar 2021 14:53

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-01

Tot Ion:	276	Resp:	41828
Ion Ratio	Lower	Upper	
276	100		
138	19.1	13.8	20.6
277	21.6	18.5	27.7

Manual Integrations
APPROVED

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