

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP030921\
 Data File : BP004953.D
 Acq On : 09 Mar 2021 20:59
 Operator : CG/JU
 Sample : M1534-14
 Misc : SOM-MDL-S-07
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-07

Manual Integrations
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mohammad
 3/10/2021 11:54:42 AM

Quant Time: Mar 10 01:11:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP030921MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 09 15:13:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	28895	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	119239	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.39	164	81006	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.14	188	184533	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	213835	20.00	ng/ul	0.00
86) Perylene-d12	23.52	264	218599	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	3437	4.44	ng/uL	0.00
5) Phenol-d5	6.90	99	78981	34.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	45785	37.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	63790	35.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	62395	32.64	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	31369	35.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.61	143	35225	35.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	64035	33.78	ng/ul	0.00
29) 4-Chloroaniline-d4	10.66	131	82472	39.74	ng/ul	0.00
44) Dimethylphthalate-d6	13.80	166	218988	36.74	ng/ul	0.00
47) Acenaphthylene-d8	14.07	160	256620	35.27	ng/ul	0.00
52) 4-Nitrophenol-d4	14.59	143	34622	33.80	ng/ul	0.00
58) Fluorene-d10	15.38	176	189919	37.06	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.50	200	37880	32.01	ng/ul	0.00
71) Anthracene-d10	17.24	188	300334	36.31	ng/ul	0.00
79) Pyrene-d10	19.48	212	353057	35.60	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	411028	36.77	ng/ul	-0.01

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.26	88	1024	1.364 ng/uL#	71
4) Benzaldehyde	6.88	77	6677	5.680 ng/ul	99
6) Phenol	6.93	94	9316	3.850 ng/ul#	89
8) Bis(2-Chloroethyl)ether	7.16	93	6911	3.870 ng/ul	97
10) 2-Chlorophenol	7.30	128	7338	3.961 ng/ul	93
11) 2-Methylphenol	8.18	108	6673	3.627 ng/ul	86
12) 2,2'-oxybis(1-Chloropropan	8.26	45	7537	3.956 ng/ul	95
14) Acetophenone	8.56	105	12534	3.941 ng/ul	92
15) N-Nitroso-di-n-propylamine	8.54	70	5921	3.914 ng/ul	99
16) 4-Methylphenol	8.50	108	7606	3.744 ng/ul	100
17) Hexachloroethane	8.80	117	3366	3.907 ng/ul	94
20) Nitrobenzene	8.93	77	9874	4.185 ng/ul	94
21) Isophorone	9.46	82	15590	3.871 ng/ul	96
23) 2-Nitrophenol	9.64	139	4476	4.259 ng/ul	93
24) 2,4-Dimethylphenol	9.70	107	9105	3.751 ng/ul	94
25) Bis(2-Chloroethoxy)methane	9.95	93	9287	3.810 ng/ul	92
27) 2,4-Dichlorophenol	10.18	162	7369	3.938 ng/ul	90
28) Naphthalene	10.57	128	25117	4.068 ng/ul	97
30) 4-Chloroaniline	10.69	127	9551	4.419 ng/ul	100
31) Hexachlorobutadiene	10.86	225	5795m	4.005 ng/ul	
32) Caprolactam	11.50	113	2053m	3.363 ng/ul	
33) 4-Chloro-3-methylphenol	11.82	107	7476	3.434 ng/ul#	92
34) 2-Methylnaphthalene	12.19	142	17083	3.825 ng/ul	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.41	142	16980	3.864	ng/ul	91
37) 1,2,4,5-Tetrachlorobenzene	12.56	216	10755	3.986	ng/ul	95
38) Hexachlorocyclopentadiene	12.55	237	6121	3.496	ng/ul	99
39) 2,4,6-Trichlorophenol	12.81	196	5587	3.474	ng/ul	93
40) 2,4,5-Trichlorophenol	12.89	196	5861	3.355	ng/ul	94
41) 1,1'-Biphenyl	13.22	154	23036	3.865	ng/ul	96
42) 2-Chloronaphthalene	13.25	162	17831	3.816	ng/ul	95
43) 2-Nitroaniline	13.47	65	4638	3.419	ng/ul	86
45) Dimethylphthalate	13.84	163	24742	4.053	ng/ul	99
46) 2,6-Dinitrotoluene	13.96	165	4316	3.527	ng/ul#	92
48) Acenaphthylene	14.10	152	28255	4.110	ng/ul	94
49) 3-Nitroaniline	14.30	138	3826	3.538	ng/ul#	83
50) Acenaphthene	14.45	153	19560	3.870	ng/ul	95
51) 2,4-Dinitrophenol	14.51	184	1987	2.456	ng/ul	93
53) 4-Nitrophenol	14.60	109	4575	3.997	ng/ul	91
54) Dibenzofuran	14.79	168	28166	3.824	ng/ul	92
55) 2,4-Dinitrotoluene	14.76	165	6231	3.510	ng/ul#	91
56) 2,3,4,6-Tetrachlorophenol	15.01	232	5596	3.374	ng/ul#	86
57) Diethylphthalate	15.22	149	24064	3.854	ng/ul	98
59) Fluorene	15.43	166	24897	4.046	ng/ul	99
60) 4-Chlorophenyl-phenylether	15.43	204	13153	3.889	ng/ul	93
61) 4-Nitroaniline	15.46	138	3895	3.086	ng/ul#	73
64) 4,6-Dinitro-2-methylphenol	15.52	198	4691	3.901	ng/ul#	81
65) N-Nitrosodiphenylamine	15.65	169	20242	3.901	ng/ul	99
66) 4-Bromophenyl-phenylether	16.33	248	7770	3.814	ng/ul	96
67) Hexachlorobenzene	16.44	284	9245	4.020	ng/ul	96
68) Atrazine	16.60	200	7152	3.431	ng/ul	94
69) Pentachlorophenol	16.79	266	3966m	2.726	ng/ul	
70) Phenanthrene	17.18	178	38978	3.967	ng/ul	94
72) Anthracene	17.27	178	39043	3.873	ng/ul	98
73) 1,2,3,4-Tetrachlorobenzene	13.17	216	10860	4.055	ng/uL	94
74) Pentachlorobenzene	14.70	250	10407	3.824	ng/uL	96
75) Carbazole	17.55	167	31908	3.676	ng/ul	99
76) Di-n-butylphthalate	18.11	149	35815	3.536	ng/ul#	95
77) Fluoranthene	19.16	202	44919	3.743	ng/ul	98
80) Pvrene	19.51	202	49523	3.871	ng/ul	98
81) Butylbenzylphthalate	20.39	149	15140	3.263	ng/ul	90
82) 3,3'-Dichlorobenzidine	21.15	252	15144	3.448	ng/ul#	97
83) Benzo(a)anthracene	21.22	228	51474	3.976	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.15	149	22541	3.237	ng/ul#	98
85) Chrysene	21.26	228	50522	3.982	ng/ul	98
87) Di-n-octyl phthalate	22.03	149	39545	3.058	ng/ul	100
88) Benzo(b)fluoranthene	22.82	252	51623	3.760	ng/ul	94
89) Benzo(k)fluoranthene	22.87	252	51132	3.775	ng/ul	99
91) Benzo(a)pyrene	23.42	252	47478	3.939	ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	25.86	276	57605	3.741	ng/ul	97
93) Dibenzo(a,h)anthracene	25.87	278	49466	3.797	ng/ul	96
94) Benzo(a,h,i)perylene	26.57	276	47196	3.701	ng/ul	96

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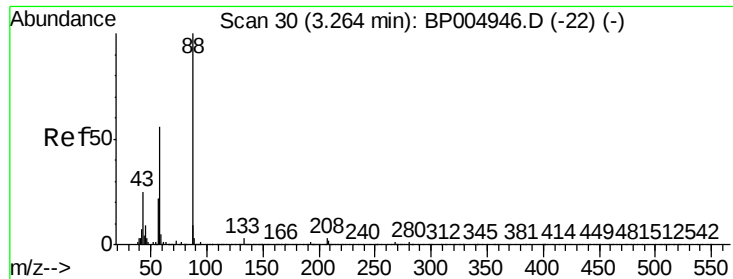
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#2

1,4-Dioxane

Concen: 1.364 ng/uL

RT: 3.26 min Scan# 30

Delta R.T. 0.01 min

Lab File: BP004953.D

Acq: 09 Mar 2021 20:59

Instrument :

BNA_P

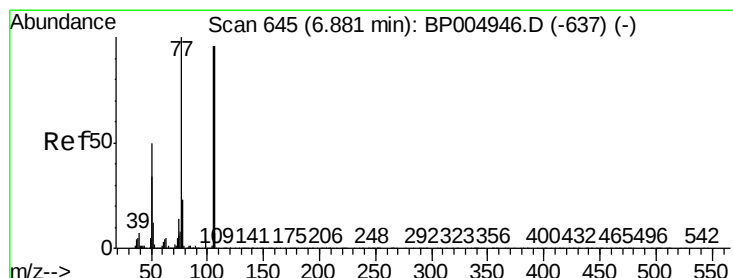
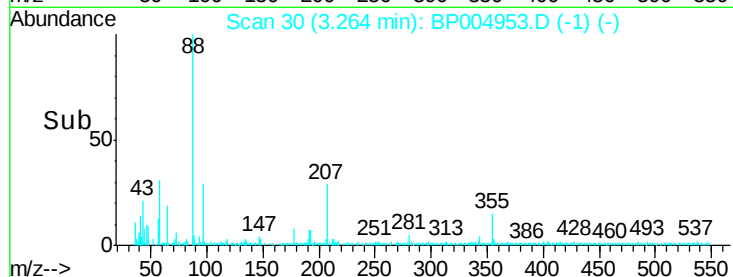
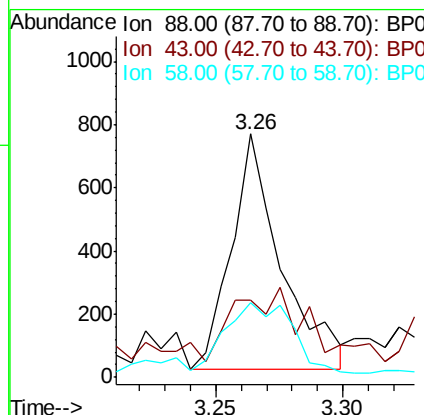
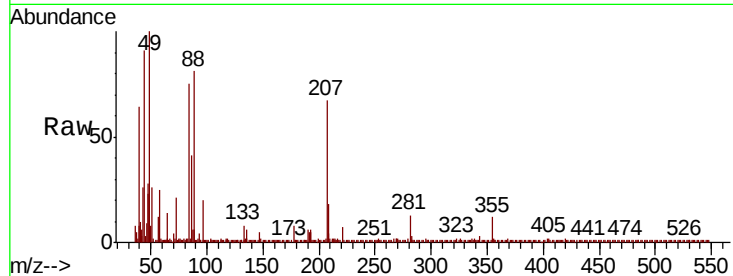
ClientSampleId :

MDL-SOIL-07

Tot Ion:	88	Resp:	1024
Ion Ratio	Lower	Upper	
88	100		
43	31.8	26.0	39.0
58	30.9	52.0	78.0#

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#4

Benzaldehyde

Concen: 5.680 ng/uL

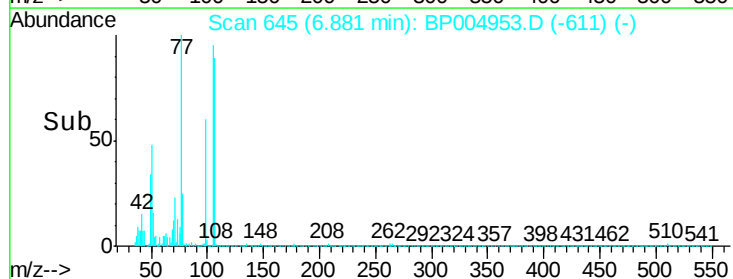
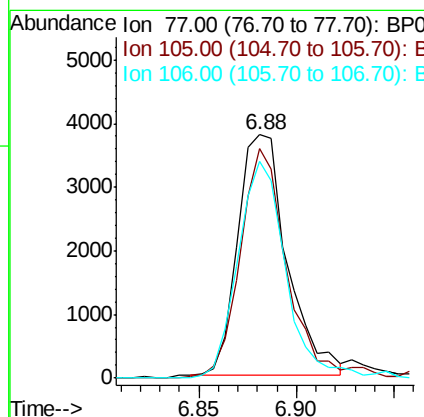
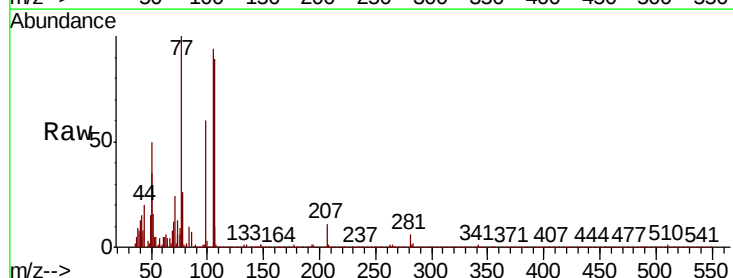
RT: 6.88 min Scan# 645

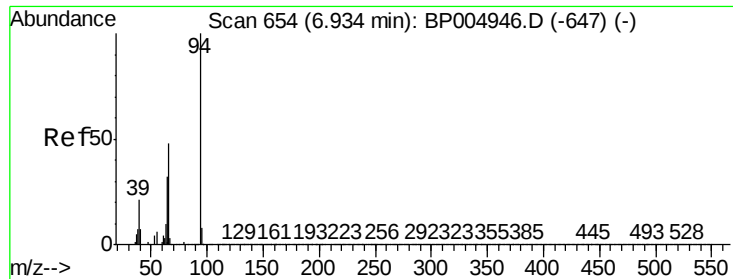
Delta R.T. 0.00 min

Lab File: BP004953.D

Acq: 09 Mar 2021 20:59

Tgt Ion:	77	Resp:	6677
Ion Ratio	Lower	Upper	
77	100		
105	94.3	73.6	110.4
106	88.8	71.3	106.9





#6

Phenol

Concen: 3.850 ng/ul

RT: 6.93 min Scan# 654

Delta R.T. 0.00 min

Lab File: BP004953.D

Acq: 09 Mar 2021 20:59

Instrument :

BNA_P

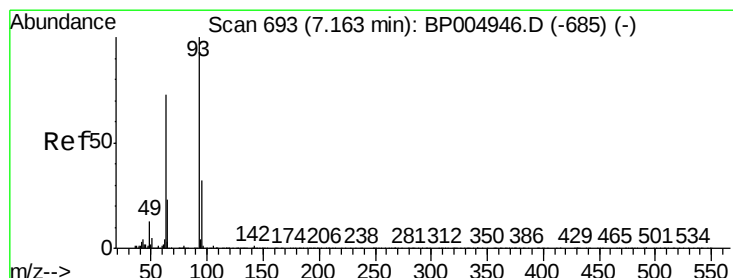
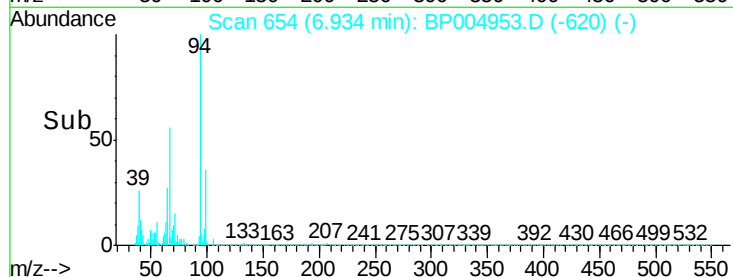
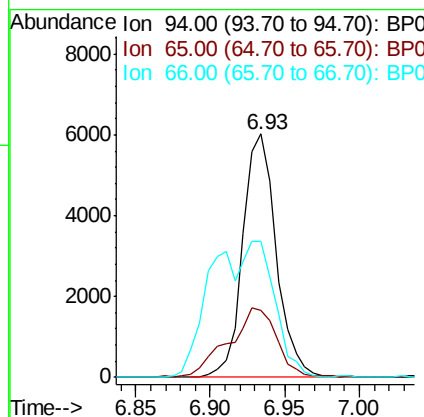
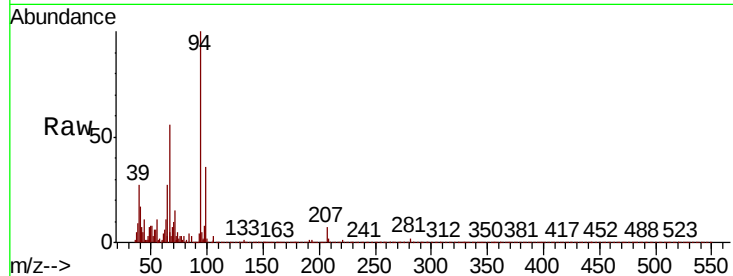
ClientSampleId :

MDL-SOIL-07

Tot Ion:	94	Resp:	9316
Ion Ratio	Lower	Upper	
94	100		
65	27.3	27.6	41.4#
66	55.7	39.0	58.6

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#8

Bis(2-Chloroethyl)ether

Concen: 3.870 ng/ul

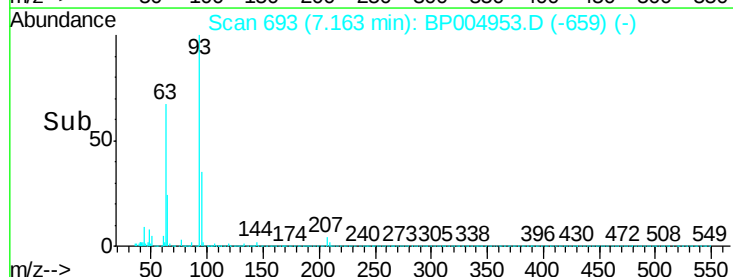
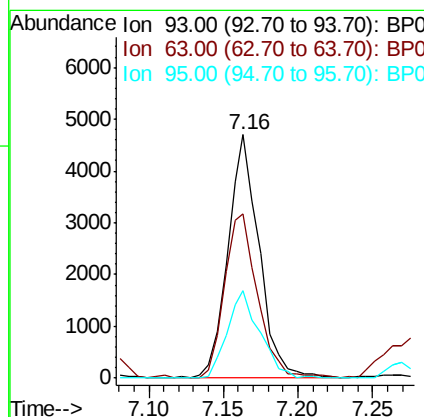
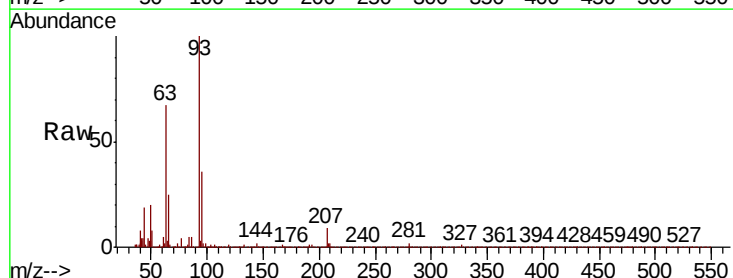
RT: 7.16 min Scan# 693

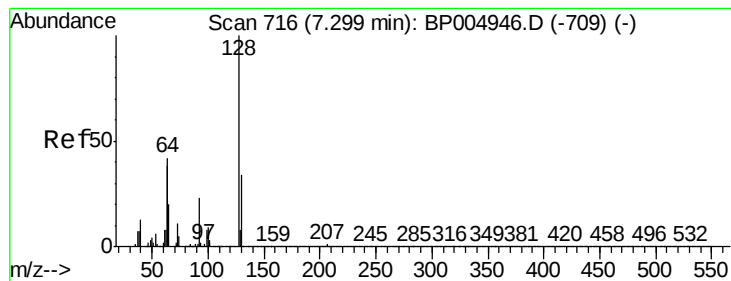
Delta R.T. 0.00 min

Lab File: BP004953.D

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Tgt Ion:	93	Resp:	6911
Ion Ratio	Lower	Upper	
93	100		
63	67.3	54.2	81.2
95	35.9	24.5	36.7





#10

2-Chlorophenol

Concen: 3.961 ng/ul

RT: 7.30 min Scan# 716

Delta R.T. 0.00 min

Lab File: BP004953.D

Acq: 09 Mar 2021 20:59

Instrument :

BNA_P

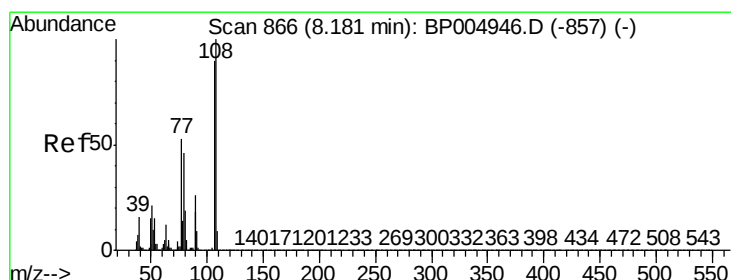
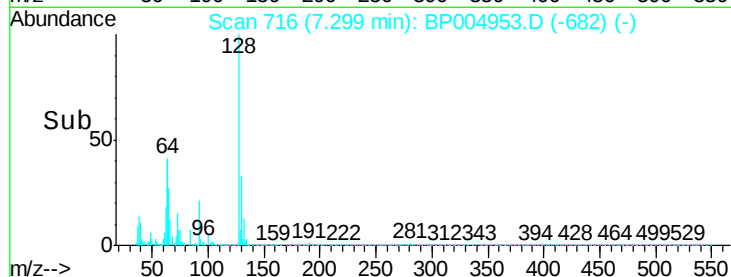
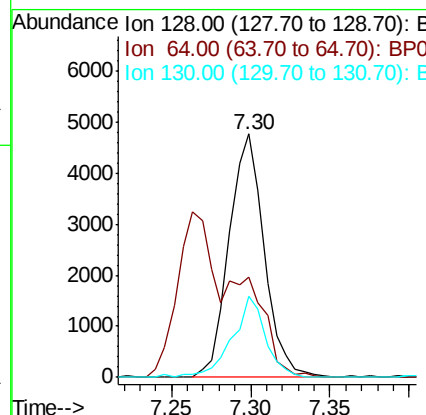
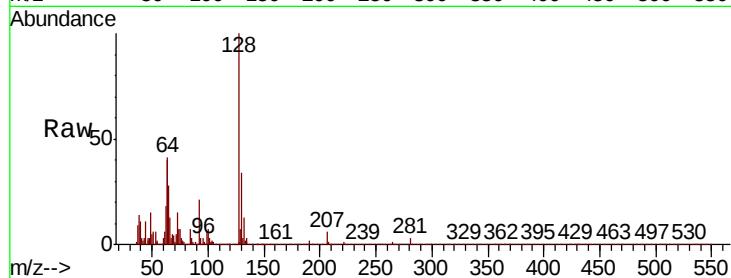
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MDL-SOIL-07

Tot Ion:	128	Resp:	7338
Ion Ratio	Lower	Upper	
128	100		
64	41.3	38.7	58.1
130	33.5	26.5	39.7

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#11

2-Methylphenol

Concen: 3.627 ng/ul

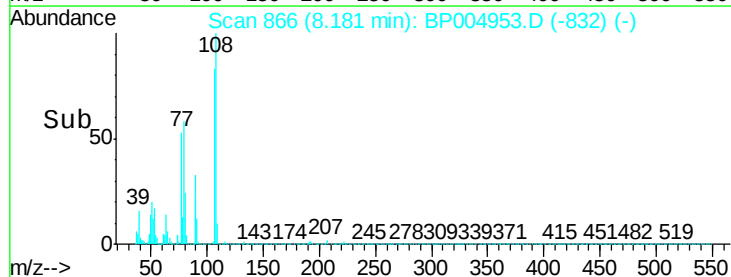
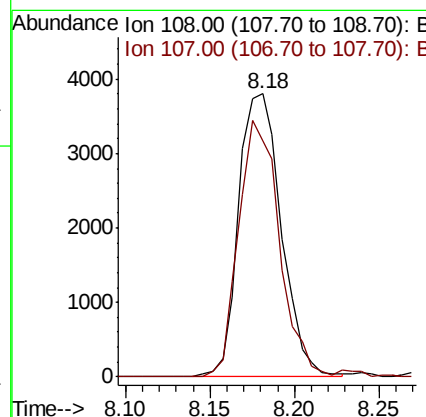
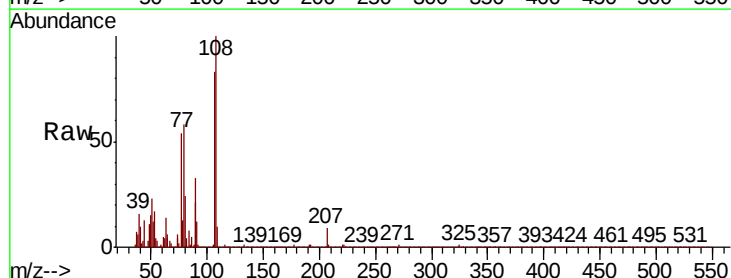
RT: 8.18 min Scan# 866

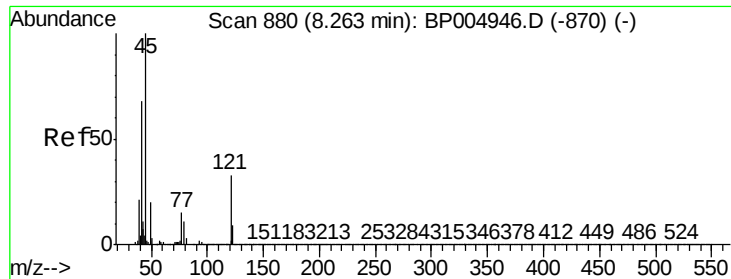
Delta R.T. 0.00 min

Lab File: BP004953.D

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Tgt Ion:	108	Resp:	6673
Ion Ratio	Lower	Upper	
108	100		
107	83.5	77.5	116.3





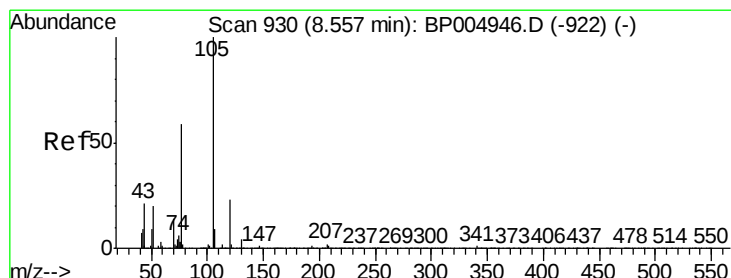
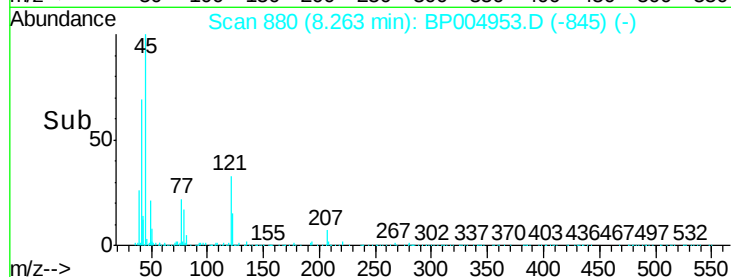
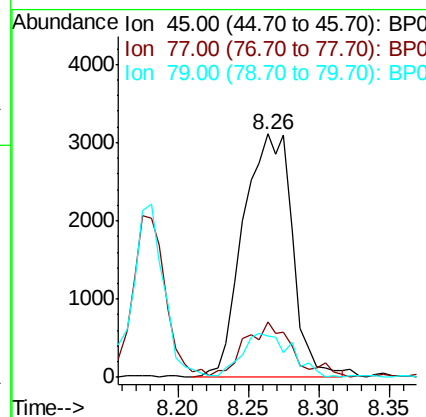
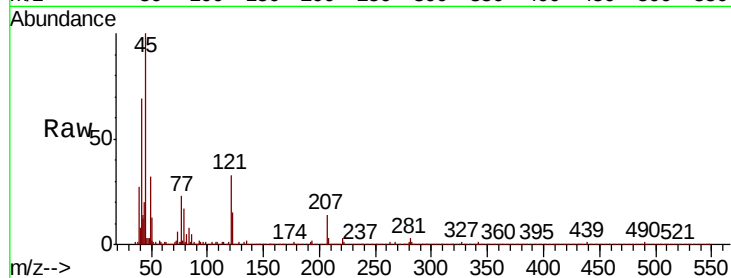
#12
2,2'-oxvbis(1-Chloropropane)
Concen: 3.956 ng/ul
RT: 8.26 min Scan# 880
Delta R.T. 0.01 min
Lab File: BP004953.D
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Tot Ion:	45	Resp:	7537
Ion	Ratio	Lower	Upper
45	100		
77	22.6	16.5	24.7
79	16.9	11.8	17.6

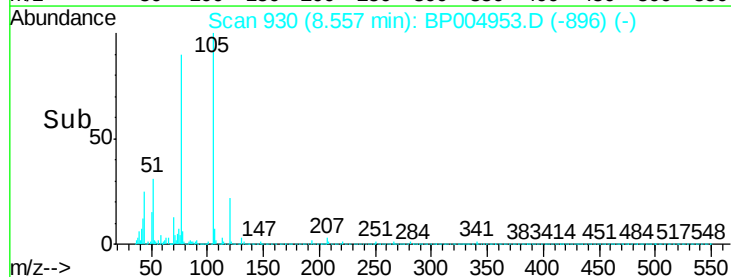
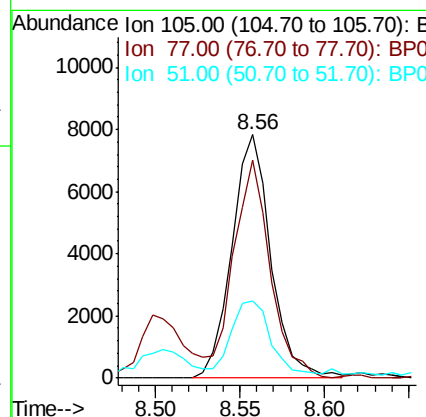
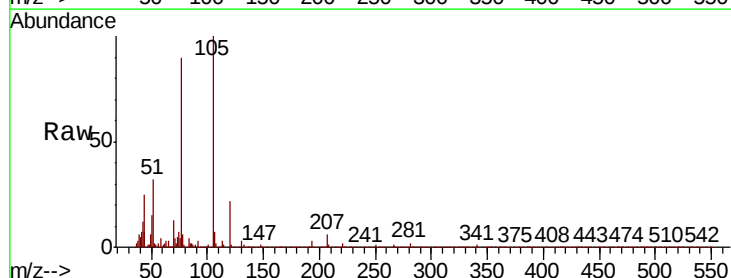
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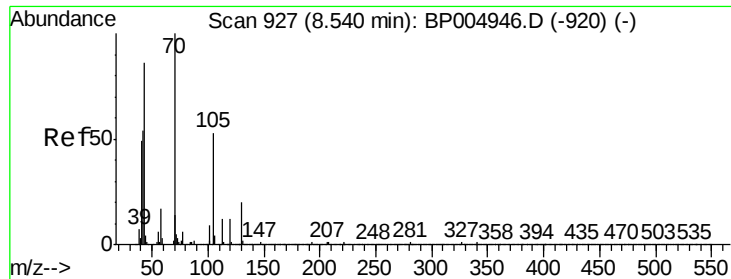
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#14
Acetophenone
Concen: 3.941 ng/ul
RT: 8.56 min Scan# 930
Delta R.T. 0.00 min
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Tgt Ion:	105	Resp:	12534
Ion	Ratio	Lower	Upper
105	100		
77	89.6	65.8	98.6
51	31.8	23.1	34.7





#15

N-Nitroso-di-n-propylamine

Concen: 3.914 ng/ul

RT: 8.54 min Scan# 927

Delta R.T. 0.00 min

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Instrument :

BNA_P

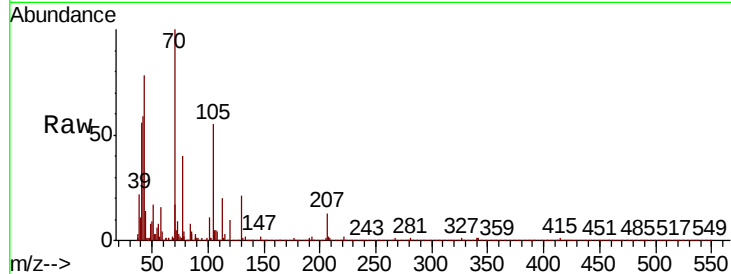
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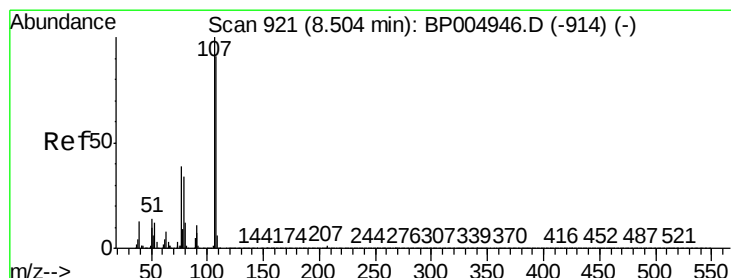
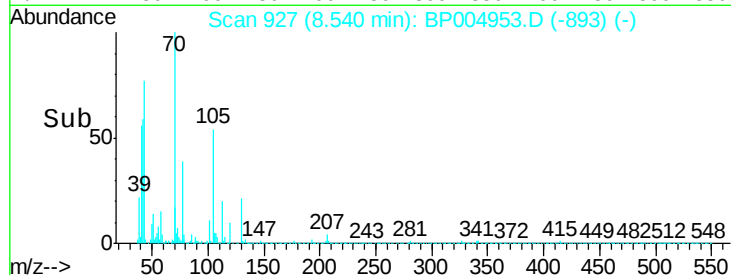
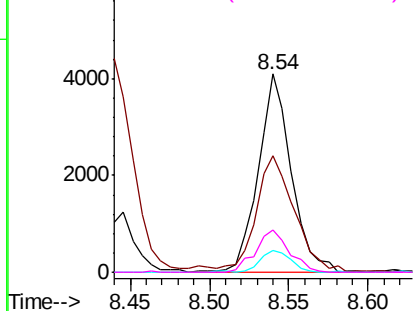
Tot Ion:	70	Resp:	5921
Ion Ratio	Lower	Upper	
70	100		
42	59.1	46.6	70.0
101	10.8	8.8	13.2
130	21.4	17.9	26.9

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Abundance Ion 70.00 (69.70 to 70.70): BP0
Ion 42.00 (41.70 to 42.70): BP0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E



#16

4-Methylphenol

Concen: 3.744 ng/ul

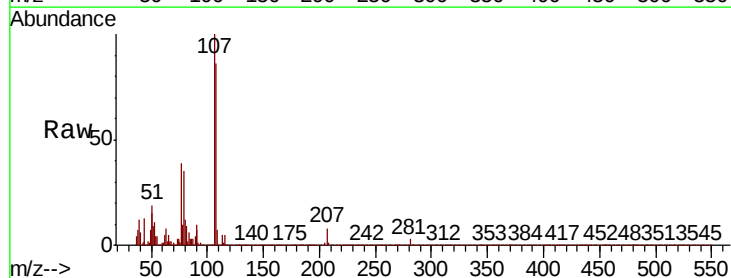
RT: 8.50 min Scan# 921

Delta R.T. 0.00 min

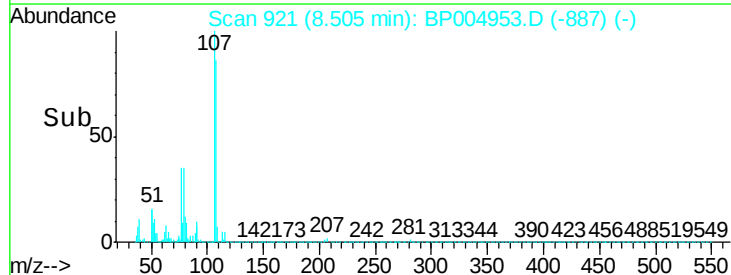
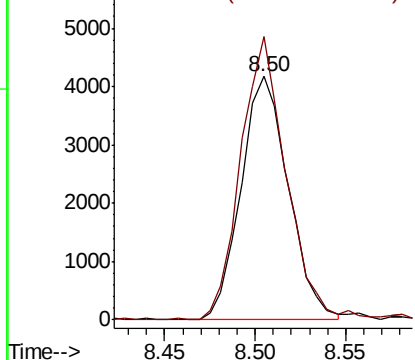
Lab File: BP004953.D

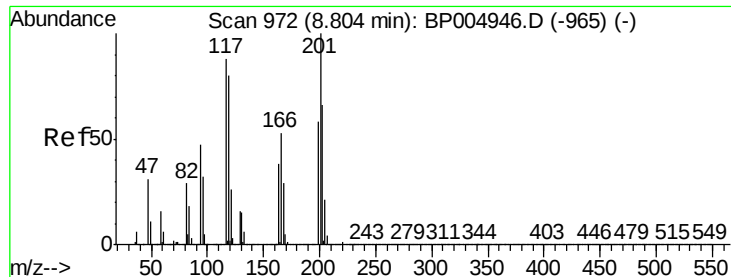
Acq: 09 Mar 2021 20:59

Tgt Ion:	108	Resp:	7606
Ion Ratio	Lower	Upper	
108	100		
107	116.4	92.8	139.2



Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E





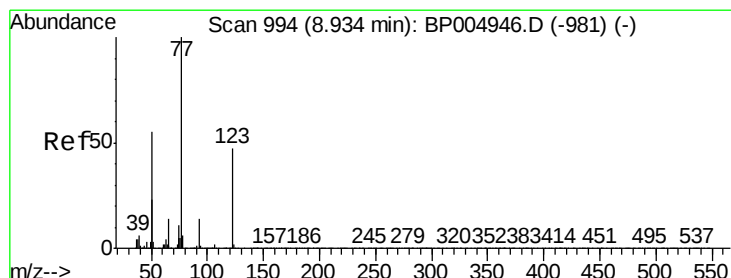
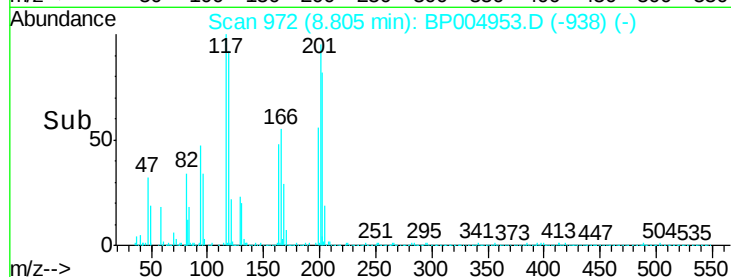
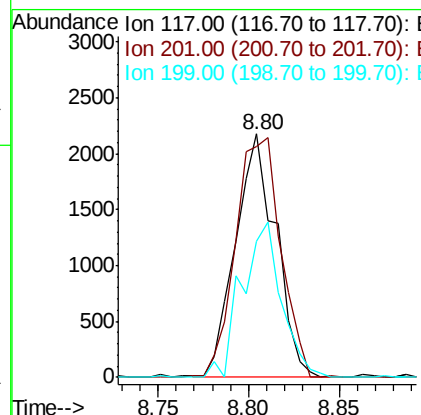
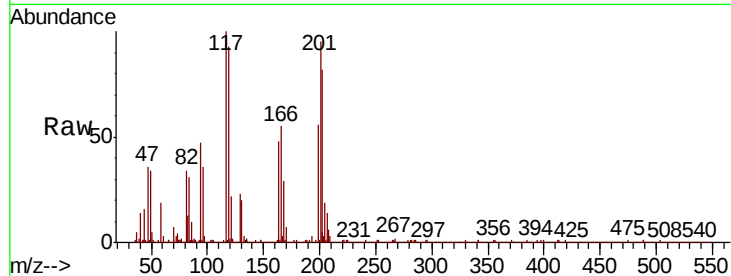
#17
Hexachloroethane
Concen: 3.907 ng/ul
RT: 8.80 min Scan# 972
Delta R.T. 0.00 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
117	100		
201	94.9	82.4	123.6
199	56.8	44.6	66.8

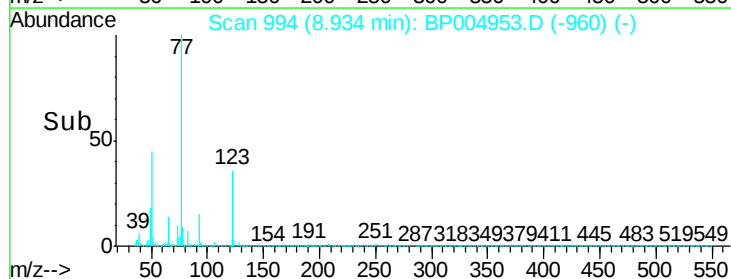
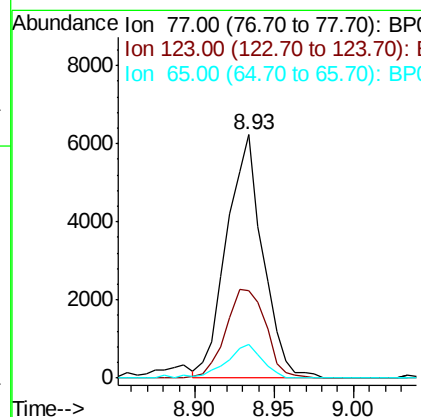
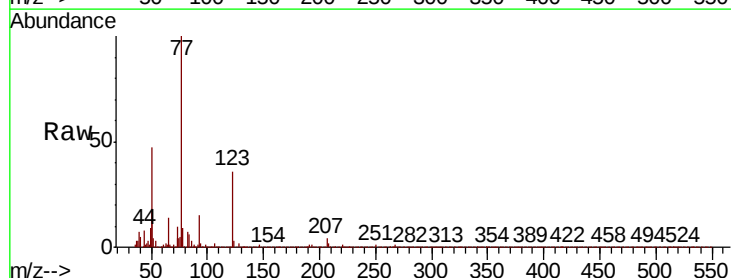
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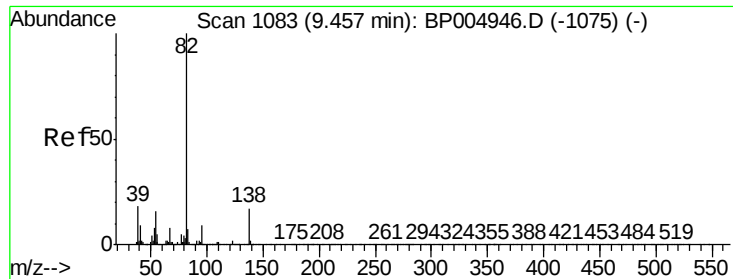
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#20
Nitrobenzene
Concen: 4.185 ng/ul
RT: 8.93 min Scan# 994
Delta R.T. 0.00 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion	Ratio	Lower	Upper
77	100		
123	36.0	32.7	49.1
65	14.0	10.9	16.3





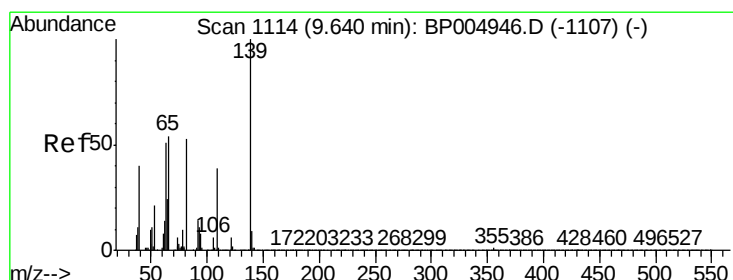
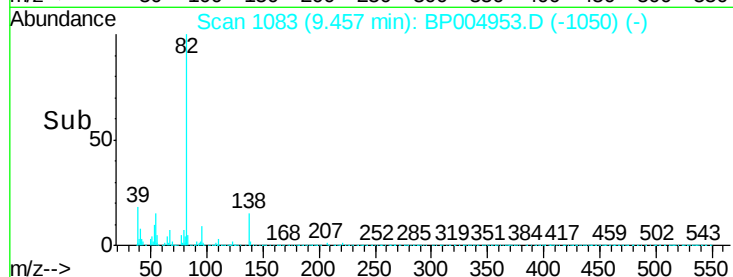
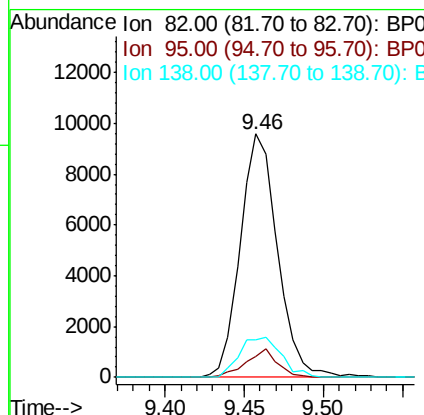
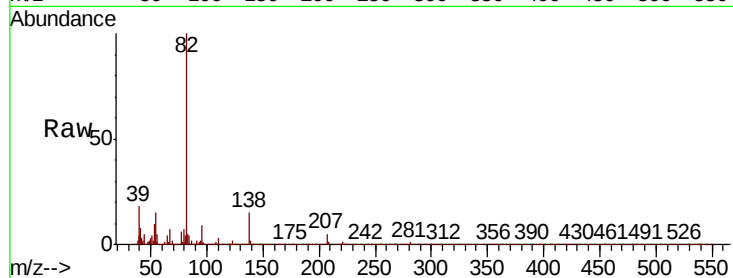
#21
Isophorone
Concen: 3.871 ng/ul
RT: 9.46 min Scan# 1083
Delta R.T. -0.01 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-07

Tot Ion:	82	Resp:	15590
Ion Ratio	Lower	Upper	
82	100		
95	8.7	8.0	12.0
138	15.3	13.8	20.6

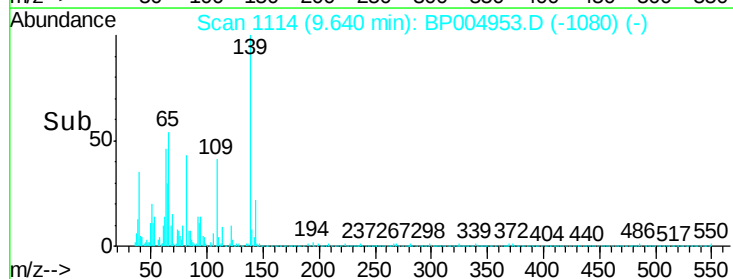
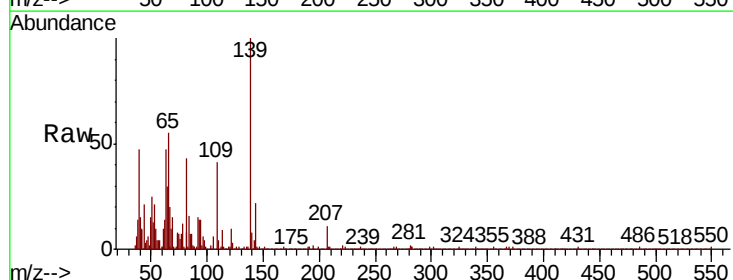
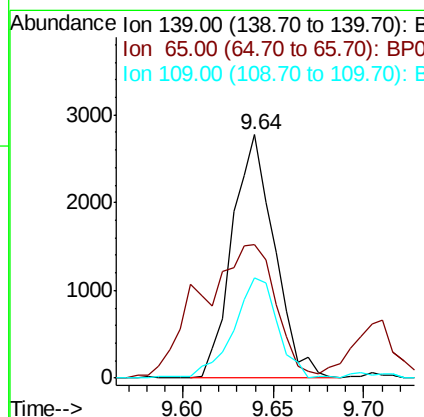
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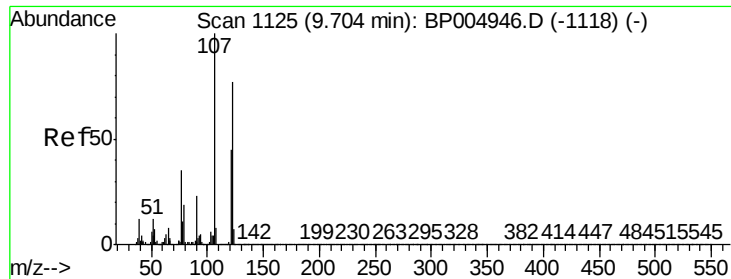
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#23
2-Nitrophenol
Concen: 4.259 ng/ul
RT: 9.64 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion:	139	Resp:	4476
Ion Ratio	Lower	Upper	
139	100		
65	54.7	48.7	73.1
109	41.4	35.4	53.0





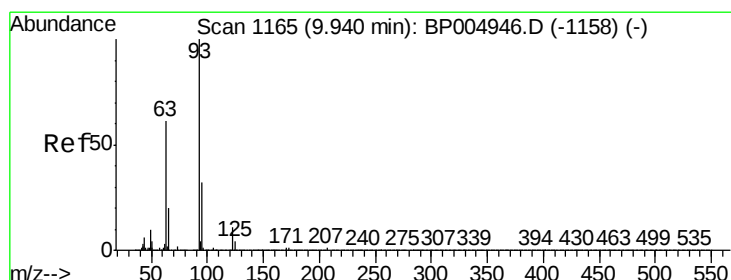
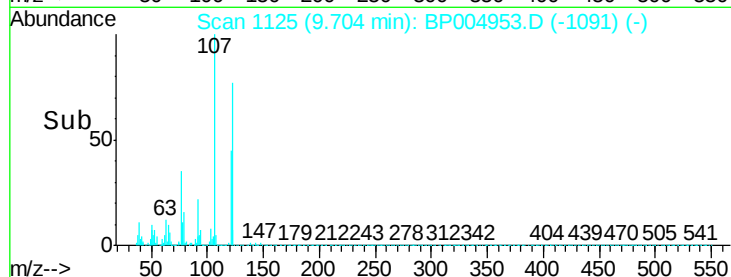
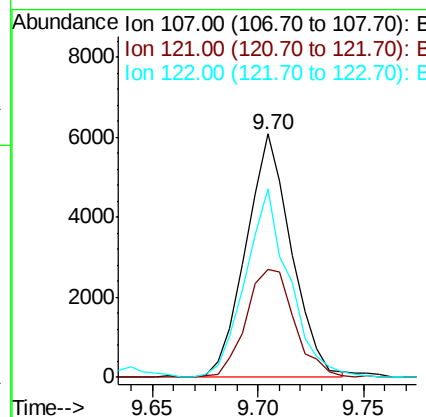
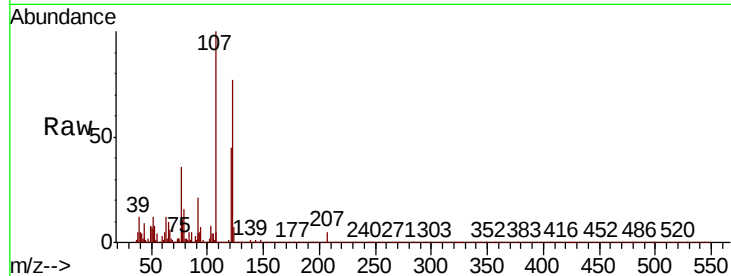
#24
2,4-Dimethylphenol
Concen: 3.751 ng/ul
RT: 9.70 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-07

Tot Ion:	107	Resp:	9105
Ion Ratio	Lower	Upper	
107	100		
121	44.5	35.9	53.9
122	77.2	55.7	83.5

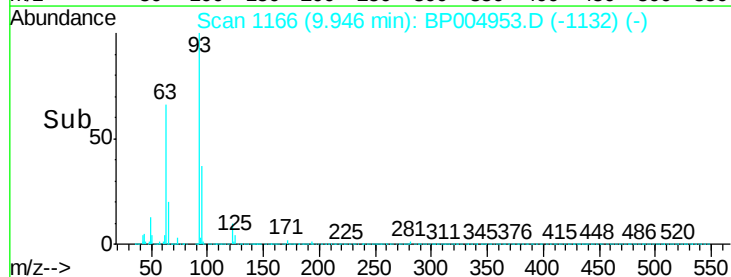
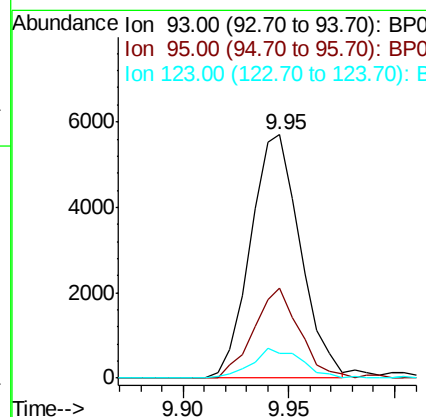
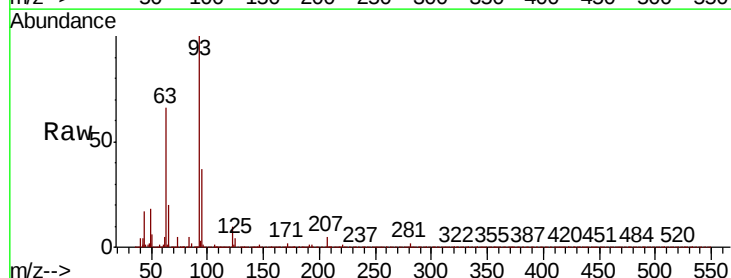
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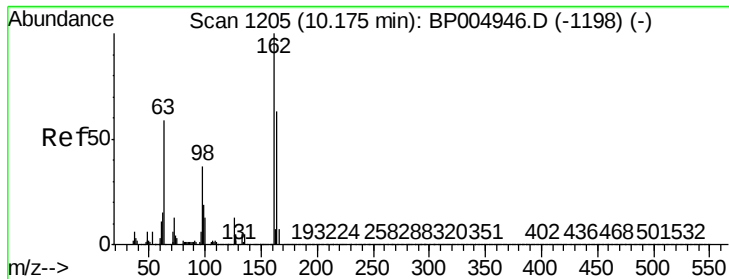
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#25
Bis(2-Chloroethoxy)methane
Concen: 3.810 ng/ul
RT: 9.95 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion:	93	Resp:	9287
Ion Ratio	Lower	Upper	
93	100		
95	36.8	25.4	38.0
123	9.9	9.8	14.8





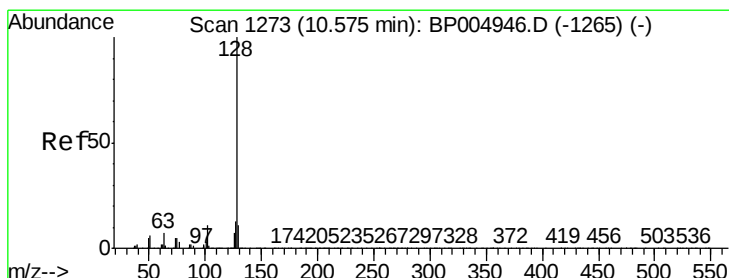
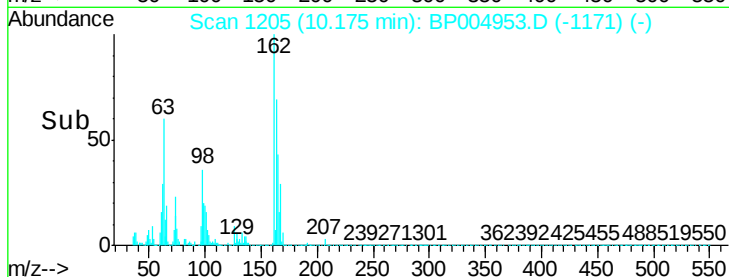
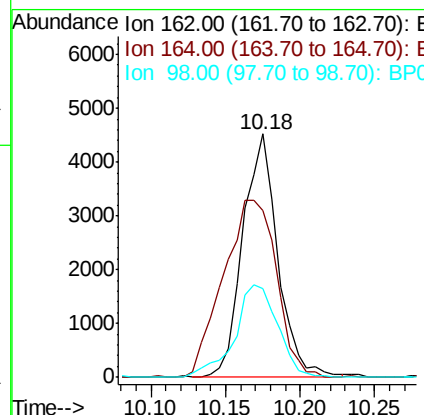
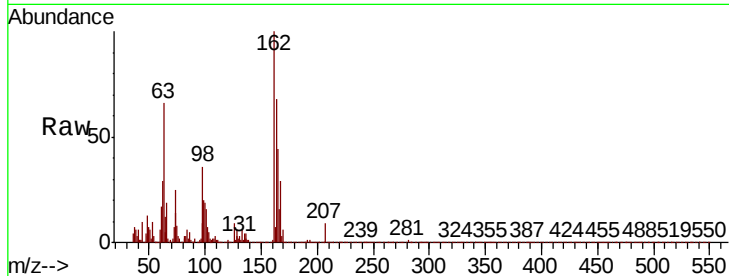
#27
 2,4-Dichlorophenol
 Concen: 3.938 ng/ul
 RT: 10.18 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BP004953.D
 Acq: 09 Mar 2021 20:59

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-07

Tot Ion:	162	Resp:	7369
Ion Ratio	Lower	Upper	
162	100		
164	68.5	46.3	69.5
98	36.2	30.3	45.5

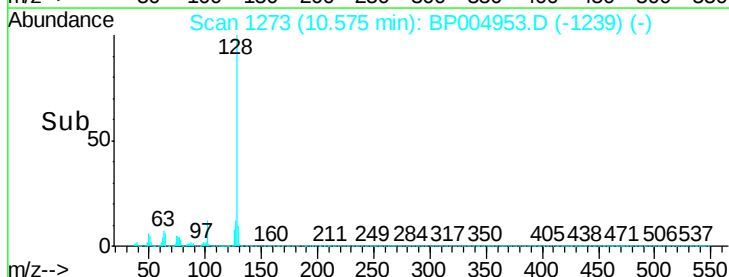
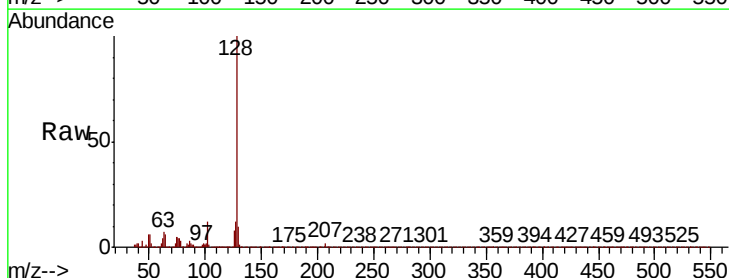
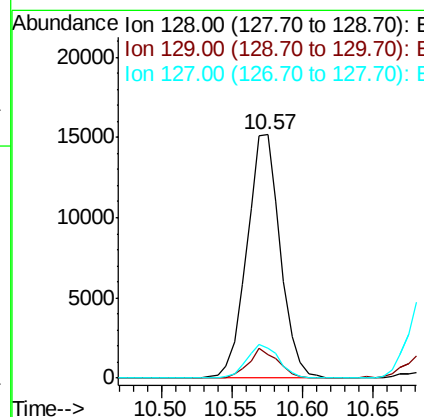
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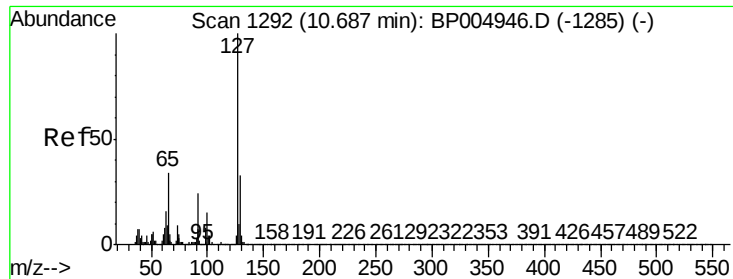
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#28
 Naphthalene
 Concen: 4.068 ng/ul
 RT: 10.57 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: BP004953.D
 Acq: 09 Mar 2021 20:59

Tgt Ion:	128	Resp:	25117
Ion Ratio	Lower	Upper	
128	100		
129	9.5	8.4	12.6
127	12.4	11.0	16.4





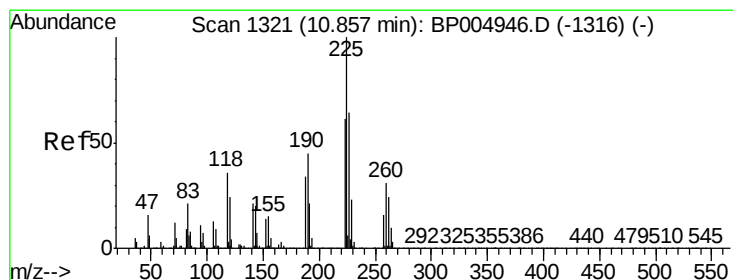
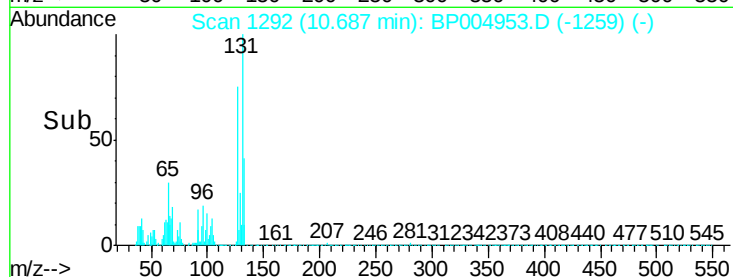
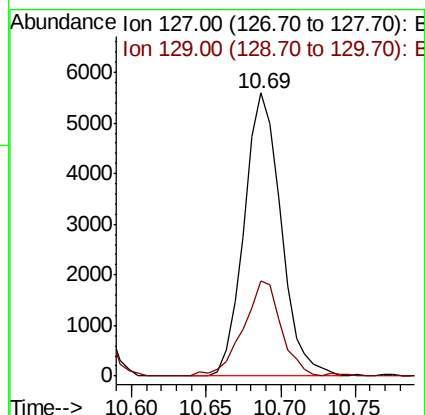
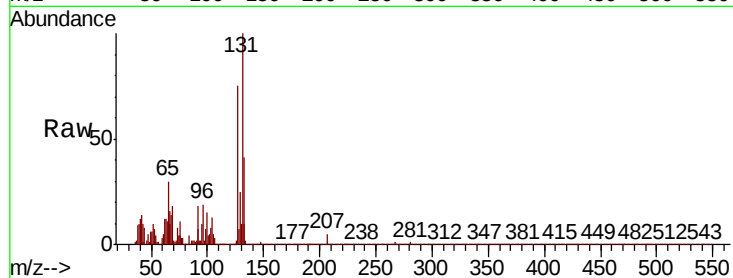
#30
4-Chloroaniline
Concen: 4.419 ng/ul
RT: 10.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
127	100		
129	33.6	27.0	40.4

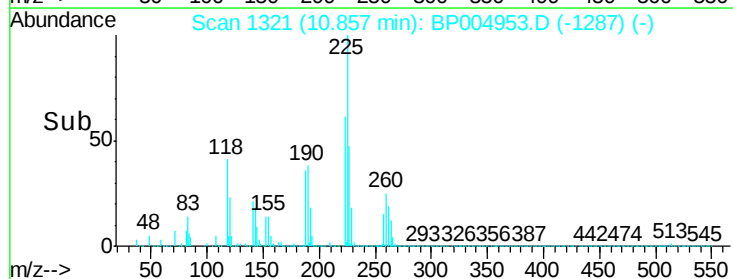
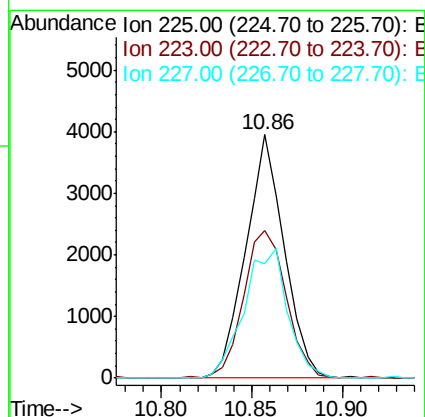
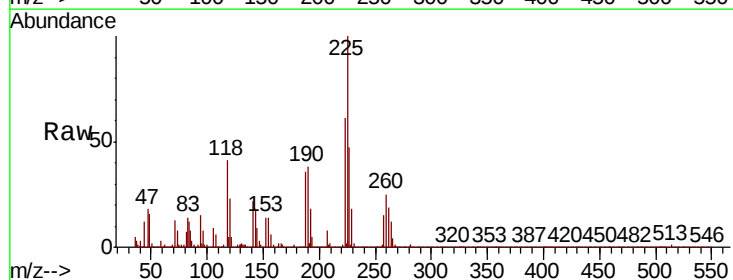
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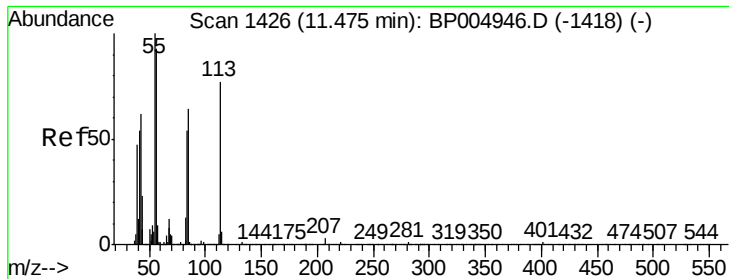
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#31
Hexachlorobutadiene
Concen: 4.005 ng/ul m
RT: 10.86 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	51.0	76.6
227	46.7	48.1	72.1





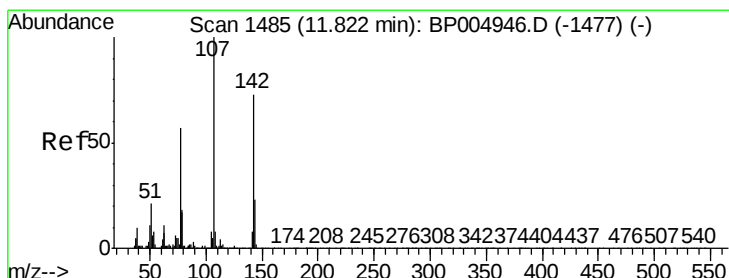
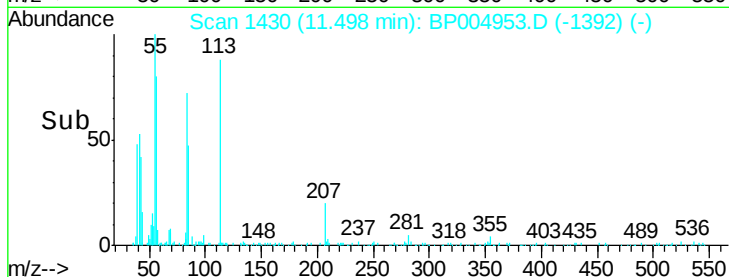
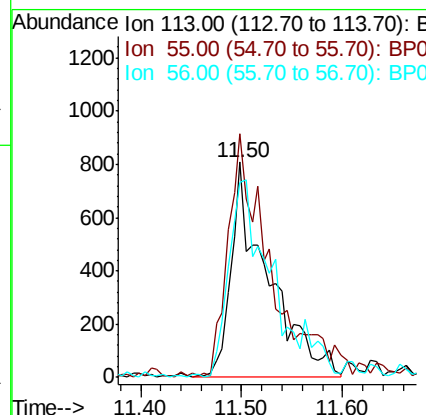
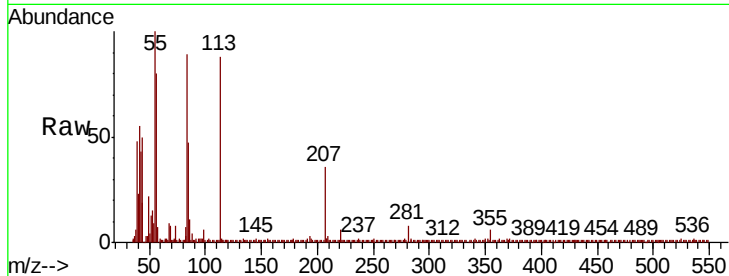
#32
 Caprolactam
 Concen: 3.363 ng/ul m
 RT: 11.50 min Scan# 1430
 Delta R.T. 0.02 min
 Lab File: BP004953.D
 Acq: 09 Mar 2021 20:59

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
113	100		
55	113.1	96.7	145.1
56	90.8	85.7	128.5

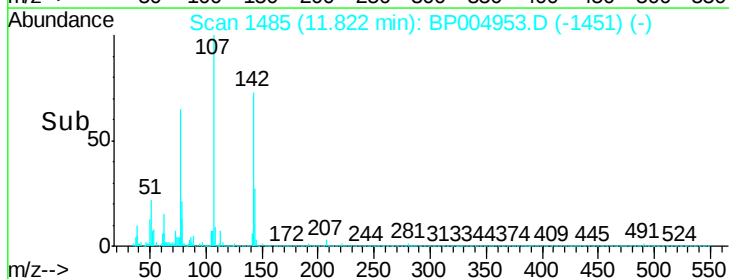
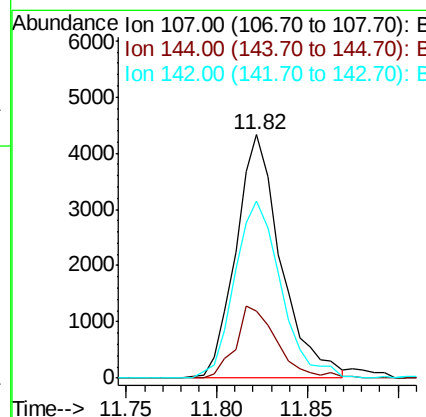
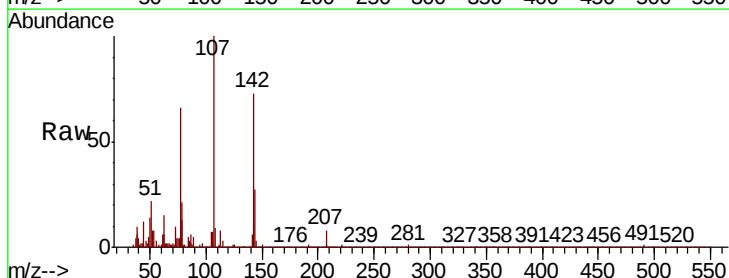
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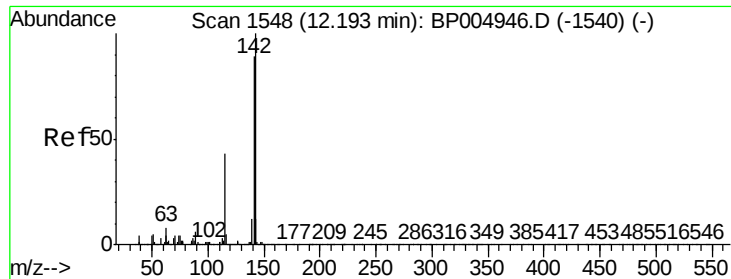
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#33
 4-Chloro-3-methylphenol
 Concen: 3.434 ng/ul
 RT: 11.82 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: BP004953.D
 Acq: 09 Mar 2021 20:59

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.3	17.4	26.0#
142	72.7	53.6	80.4





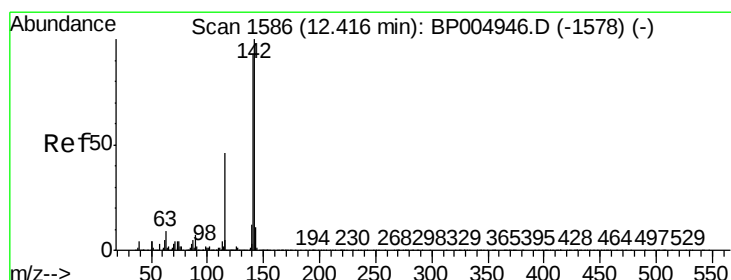
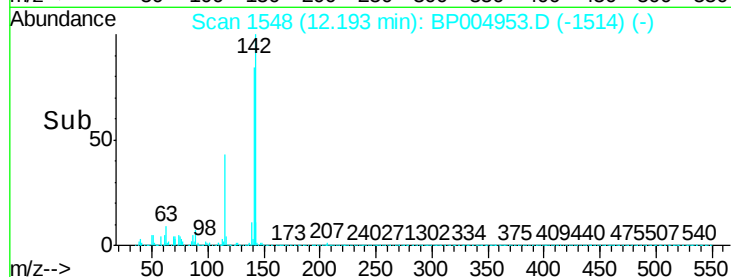
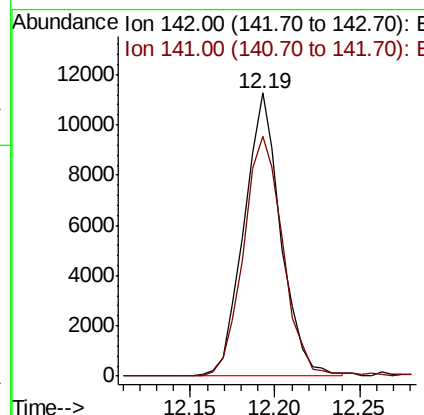
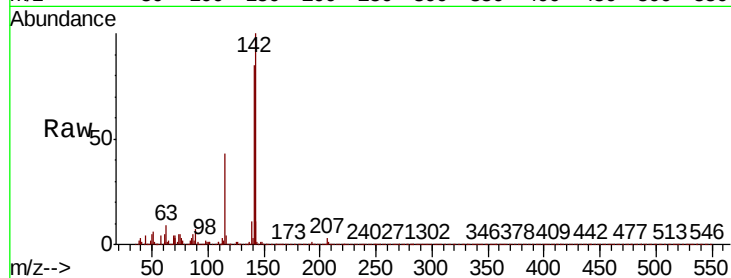
#34
2-Methylnaphthalene
Concen: 3.825 ng/ul
RT: 12.19 min Scan# 1548
Delta R.T. 0.00 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
142	100		
141	84.7	73.5	110.3

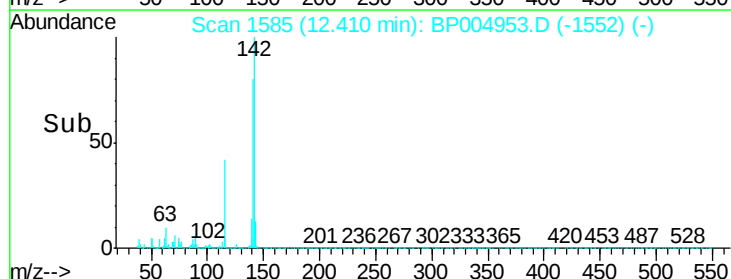
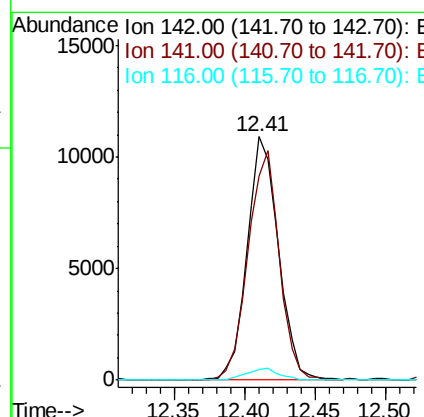
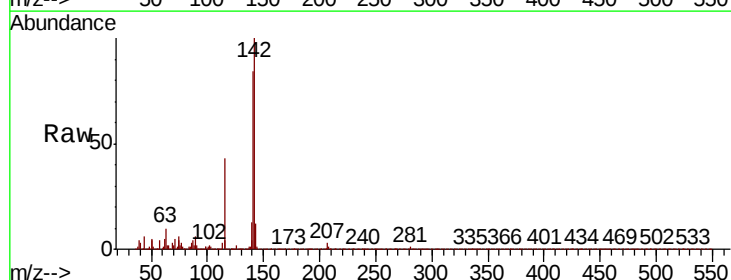
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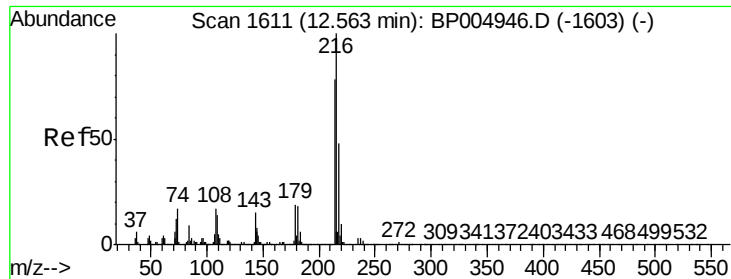
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#35
1-Methylnaphthalene
Concen: 3.864 ng/ul
RT: 12.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.7	74.6	111.8
116	4.1	3.6	5.4





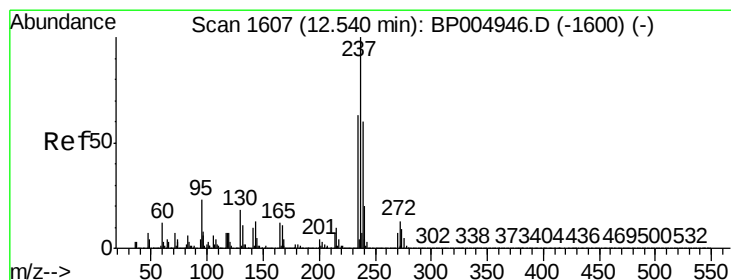
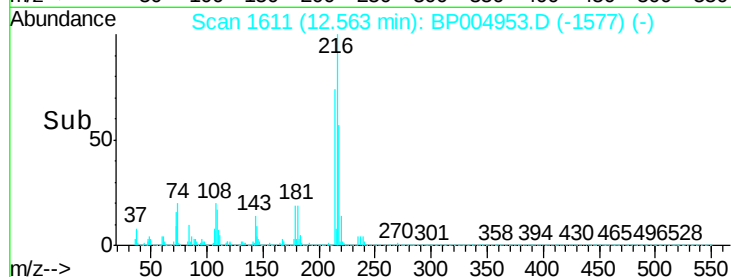
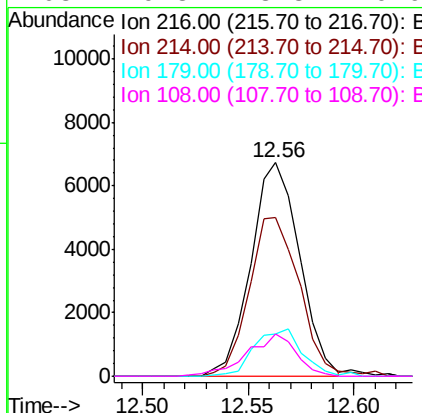
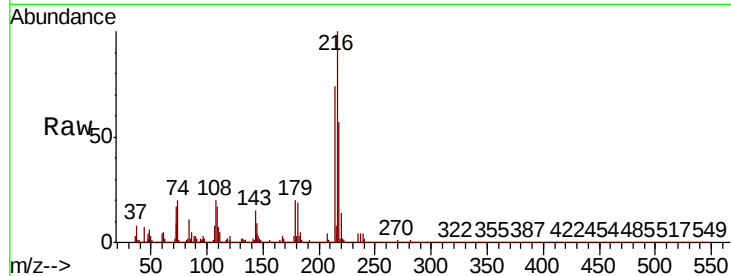
#37
 1,2,4,5-Tetrachlorobenzene
 Concen: 3.986 ng/ul
 RT: 12.56 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: BP004953.D
 Acq: 09 Mar 2021 20:59

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-07

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		10755		
214	74.2	62.9	94.3		
179	19.6	16.6	24.8		
108	19.8	13.3	19.9		

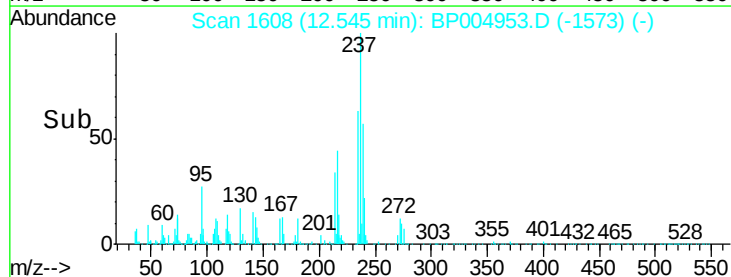
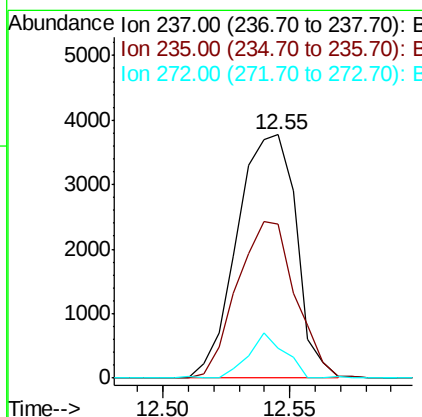
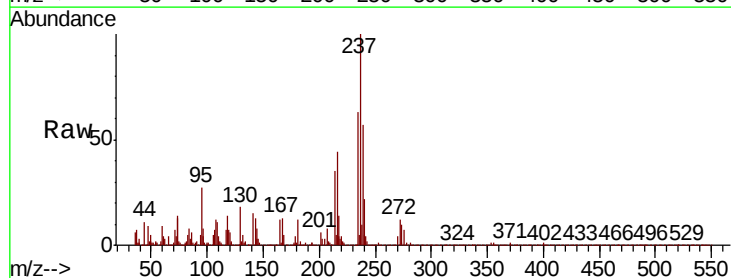
Manual Integrations
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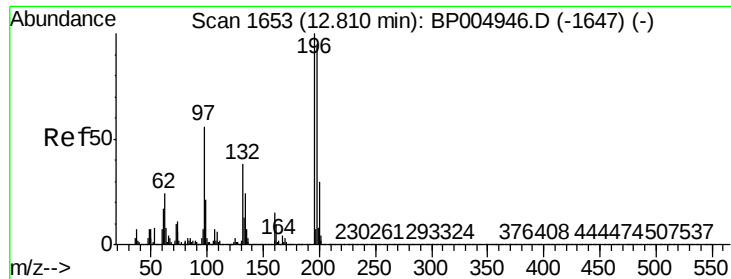
mohammad
 3/10/2021 11:54:42 AM



#38
 Hexachlorocyclopentadiene
 Concen: 3.496 ng/ul
 RT: 12.55 min Scan# 1608
 Delta R.T. 0.01 min
 Lab File: BP004953.D
 Acq: 09 Mar 2021 20:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		6121		
235	61.9	49.0	73.6		
272	11.3	10.6	15.8		





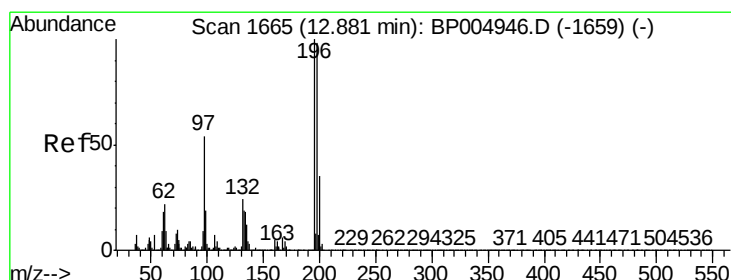
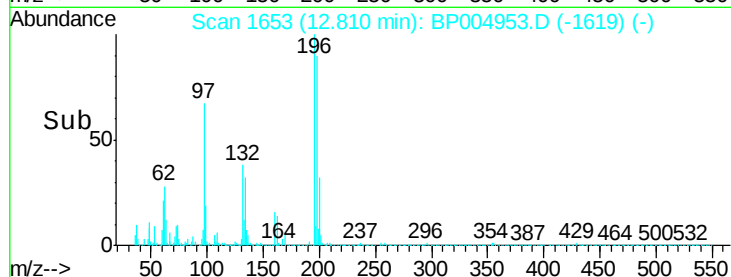
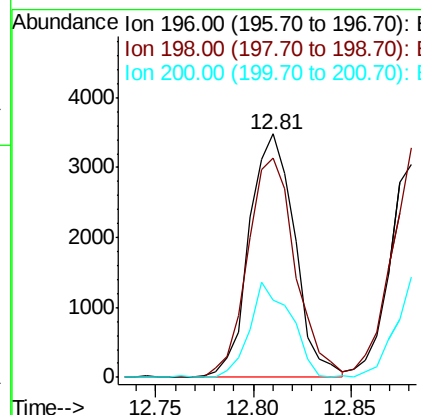
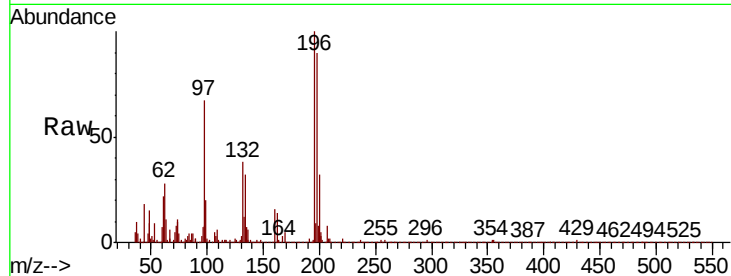
#39
 2,4,6-Trichlorophenol
 Concen: 3.474 ng/ul
 RT: 12.81 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: BP004953.D
 Acq: 09 Mar 2021 20:59

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
196	100		
198	90.1	78.2	117.2
200	34.1	24.5	36.7

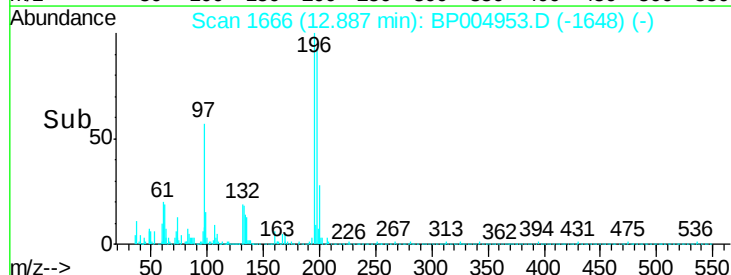
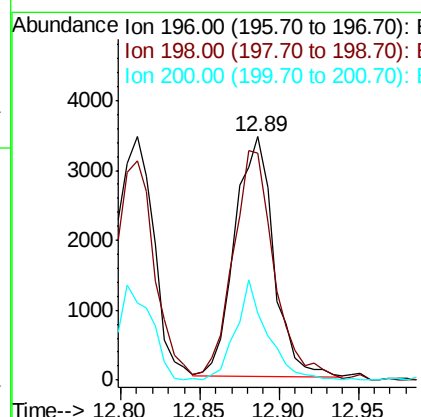
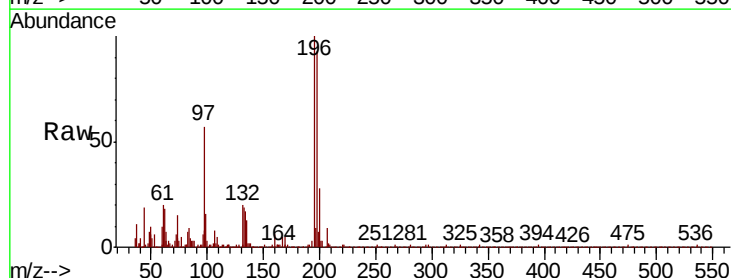
Manual Integrations
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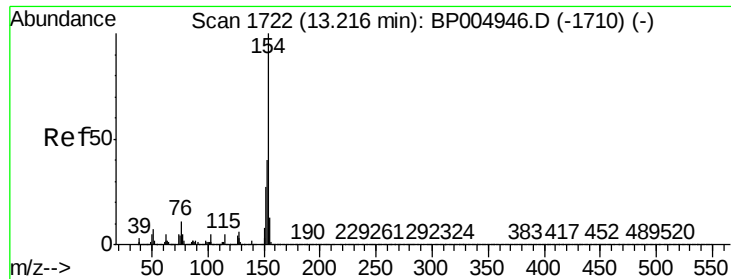
mohammad
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#40
 2,4,5-Trichlorophenol
 Concen: 3.355 ng/ul
 RT: 12.89 min Scan# 1666
 Delta R.T. 0.01 min
 Lab File: BP004953.D
 Acq: 09 Mar 2021 20:59

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.3	80.0	120.0
200	27.7	24.8	37.2





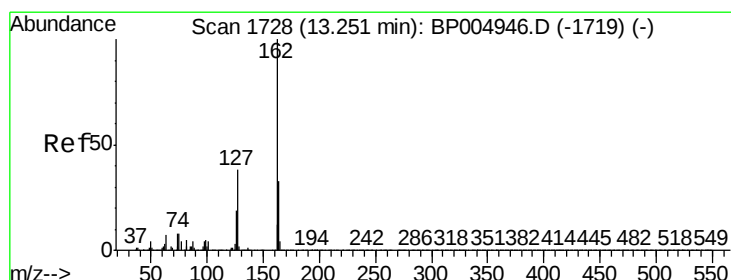
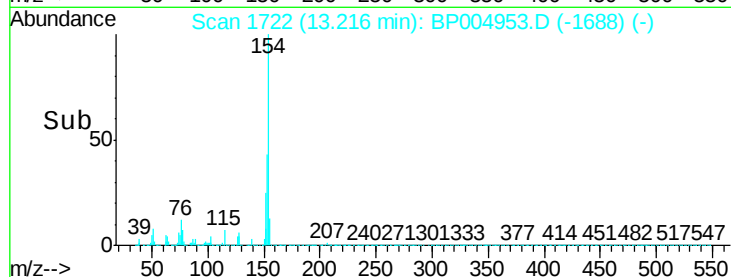
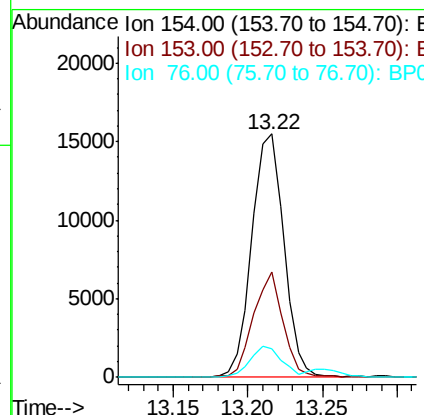
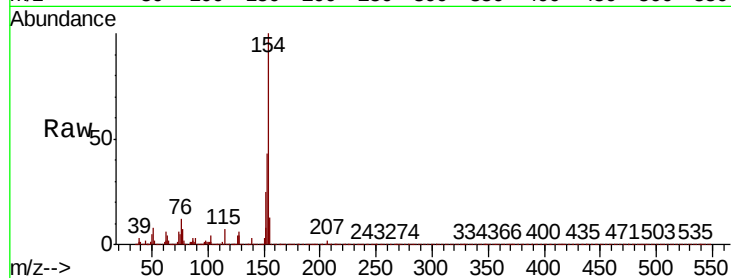
#41
1,1'-Biphenyl
Concen: 3.865 ng/ul
RT: 13.22 min Scan# 1722
Delta R.T. 0.00 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
154	100		
153	43.5	32.4	48.6
76	11.8	9.8	14.8

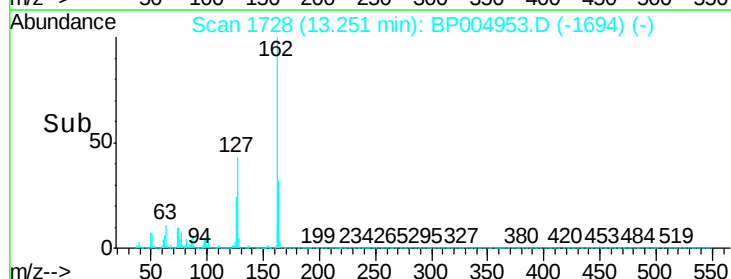
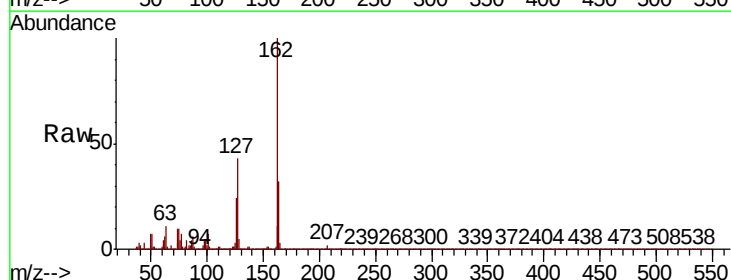
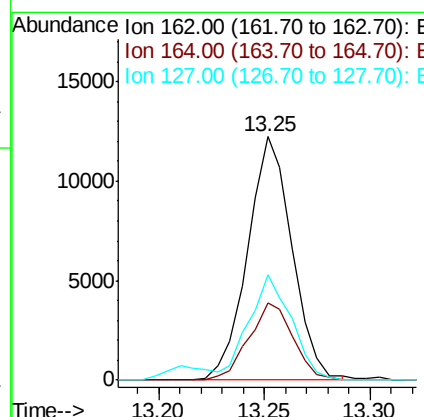
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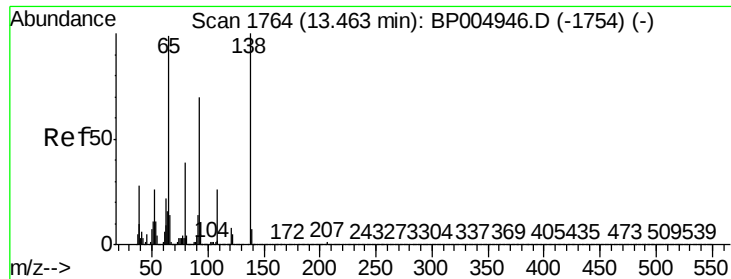
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#42
2-Chloronaphthalene
Concen: 3.816 ng/ul
RT: 13.25 min Scan# 1728
Delta R.T. 0.00 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion	Ratio	Lower	Upper
162	100		
164	31.7	28.1	42.1
127	43.5	32.6	49.0





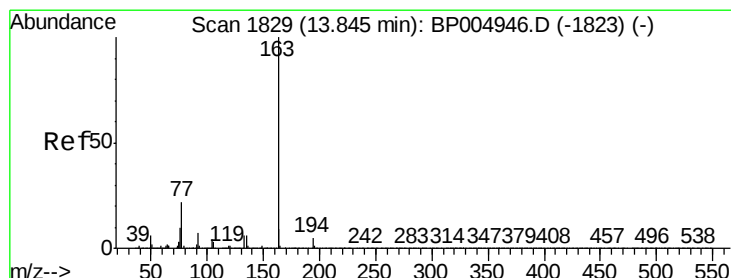
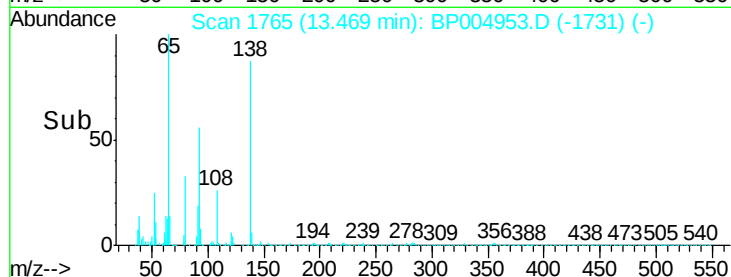
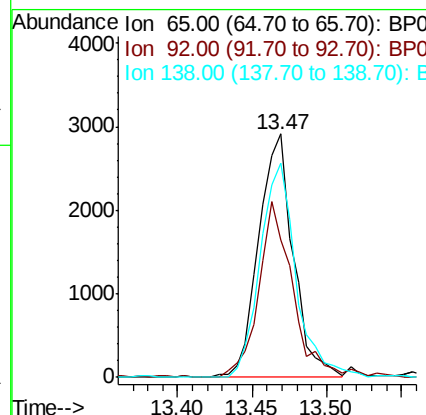
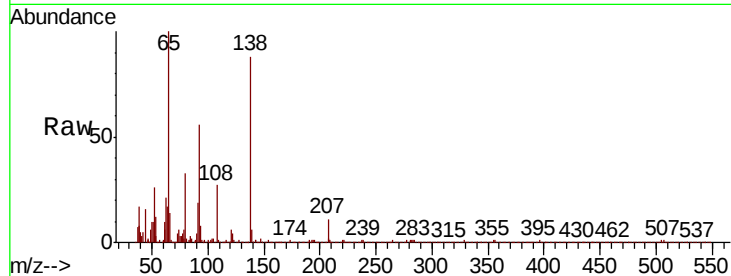
#43
2-Nitroaniline
Concen: 3.419 ng/ul
RT: 13.47 min Scan# 1765
Delta R.T. 0.00 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
65	100		
92	56.2	56.1	84.1
138	87.7	80.3	120.5

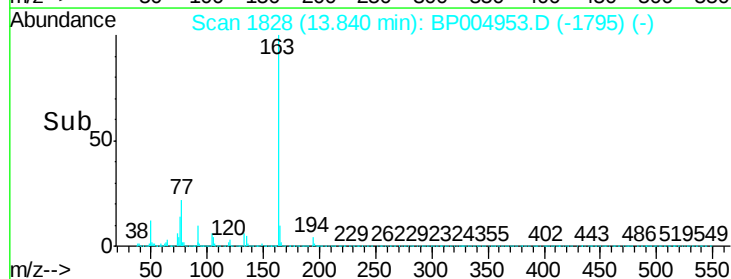
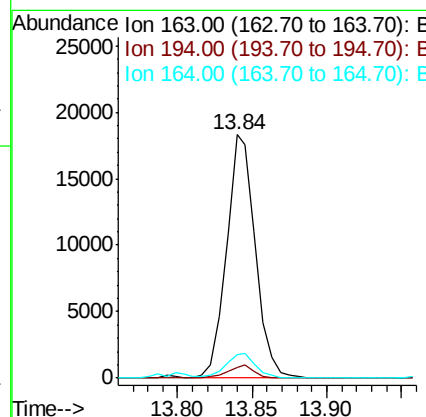
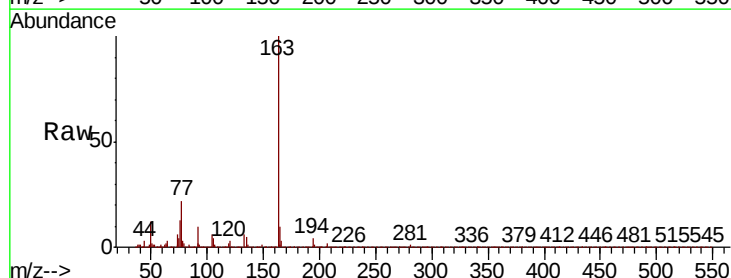
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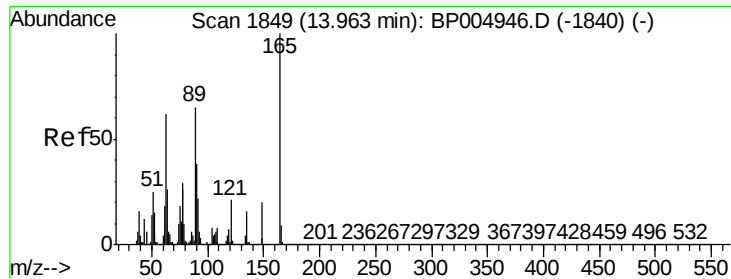
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#45
Dimethylphthalate
Concen: 4.053 ng/ul
RT: 13.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.8	5.6
164	9.7	7.8	11.6





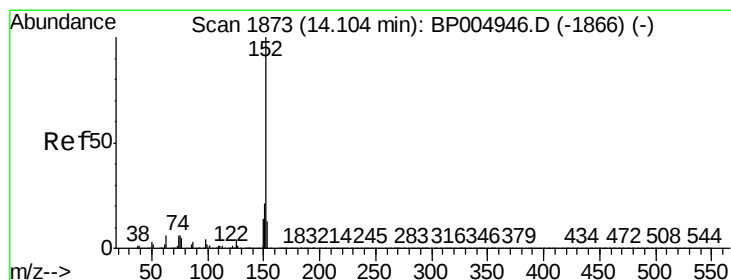
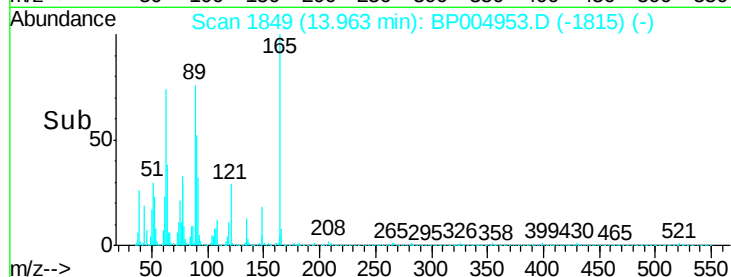
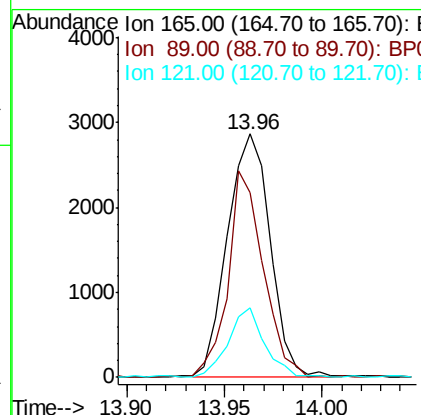
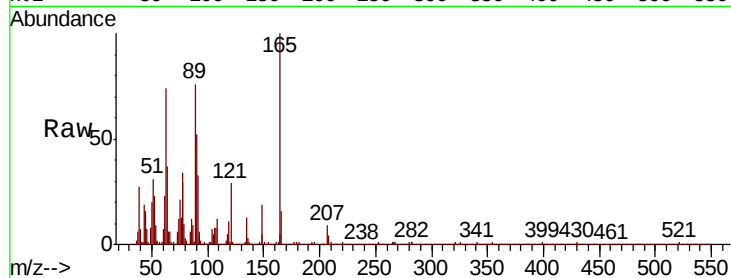
#46
2,6-Dinitrotoluene
Concen: 3.527 ng/ul
RT: 13.96 min Scan# 1849
Delta R.T. 0.00 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
165	100		
89	76.0	56.0	84.0
121	28.7	18.7	28.1

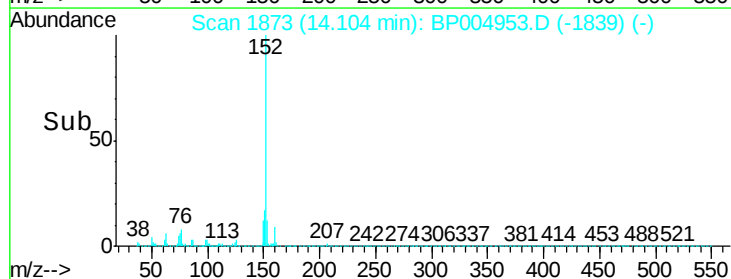
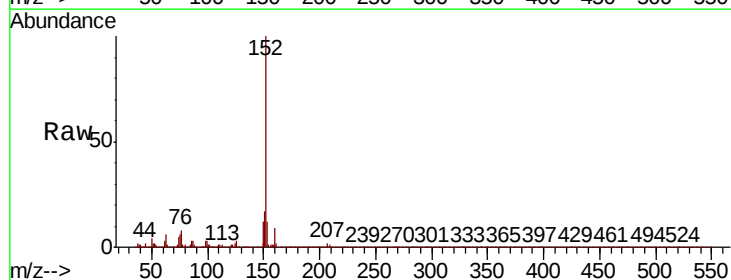
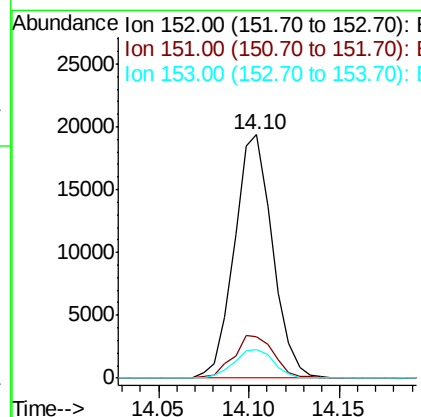
Manual Integrations
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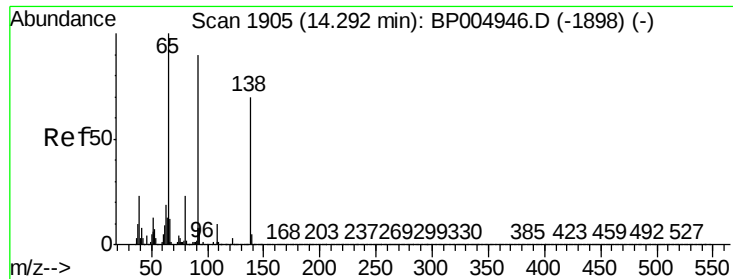
mohammad
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#48
Acenaphthylene
Concen: 4.110 ng/ul
RT: 14.10 min Scan# 1873
Delta R.T. 0.00 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion	Ratio	Lower	Upper
152	100		
151	16.8	16.4	24.6
153	11.7	10.0	15.0





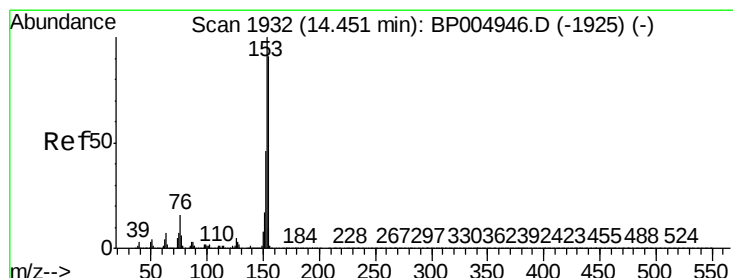
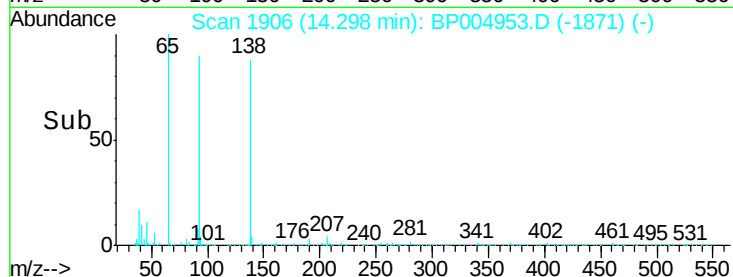
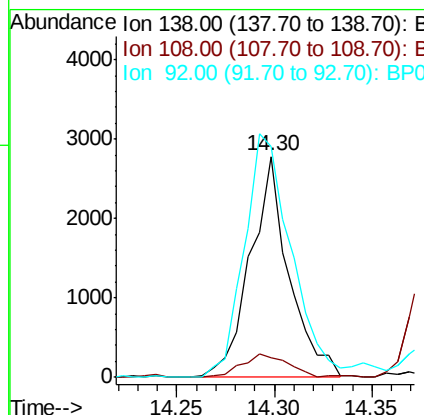
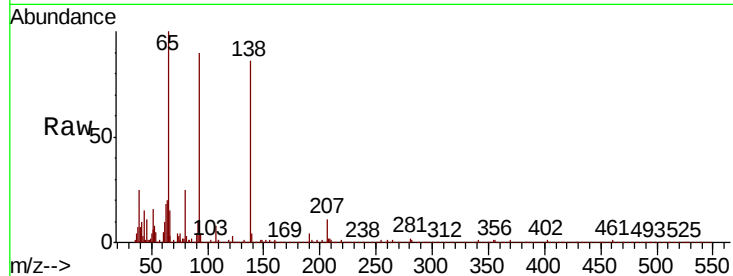
#49
3-Nitroaniline
Concen: 3.538 ng/ul
RT: 14.30 min Scan# 1906
Delta R.T. 0.01 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
138	100		
108	8.8	9.4	14.2#
92	104.5	99.8	149.8

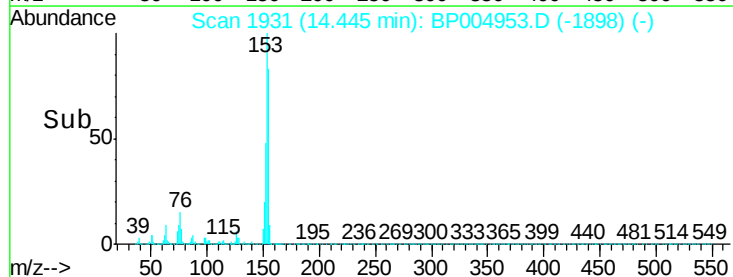
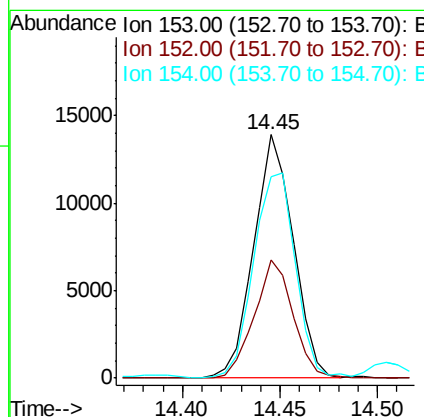
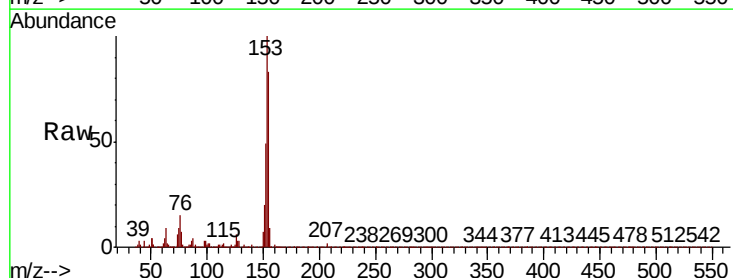
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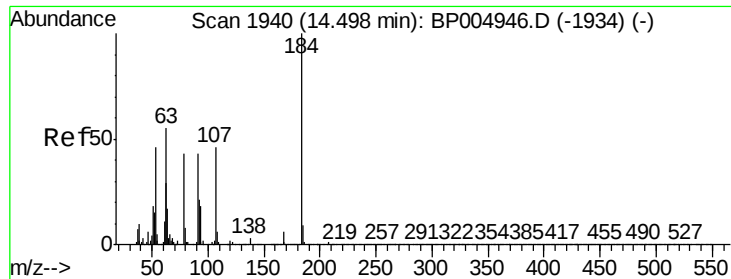
mohammad
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#50
Acenaphthene
Concen: 3.870 ng/ul
RT: 14.45 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.6	38.8	58.2
154	82.7	71.8	107.6





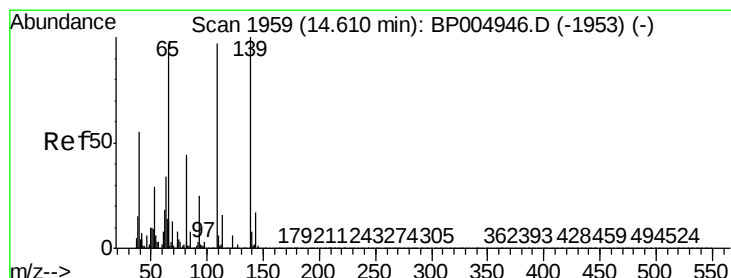
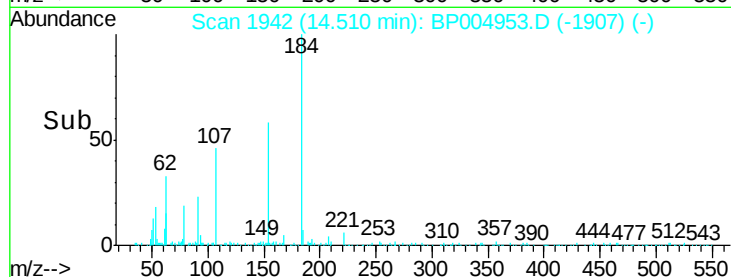
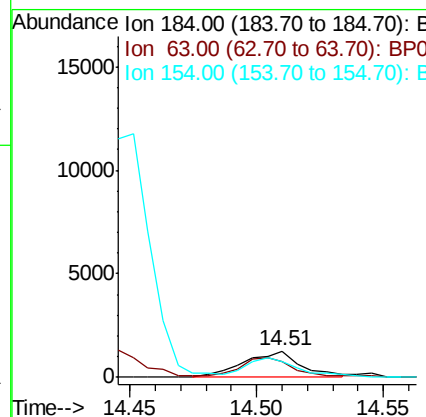
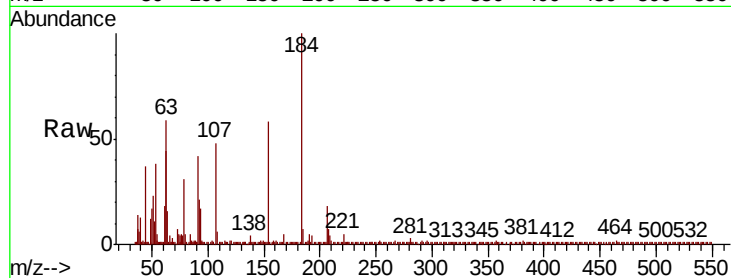
#51
2,4-Dinitrophenol
Concen: 2.456 ng/ul
RT: 14.51 min Scan# 1942
Delta R.T. 0.01 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
184	100		
63	58.5	51.4	77.0
154	58.4	43.4	65.2

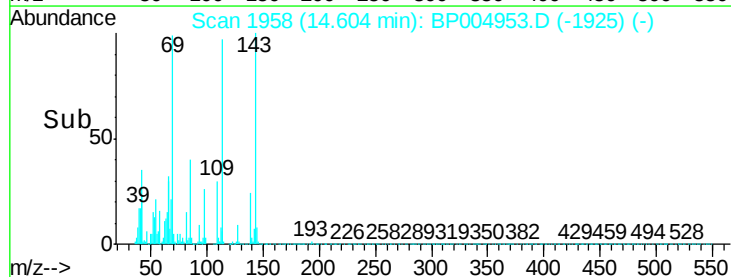
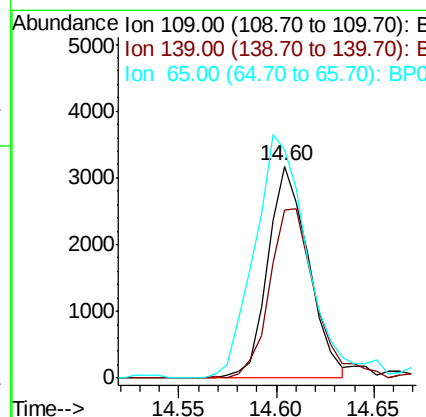
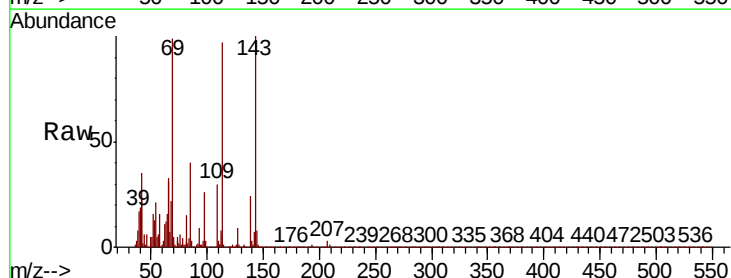
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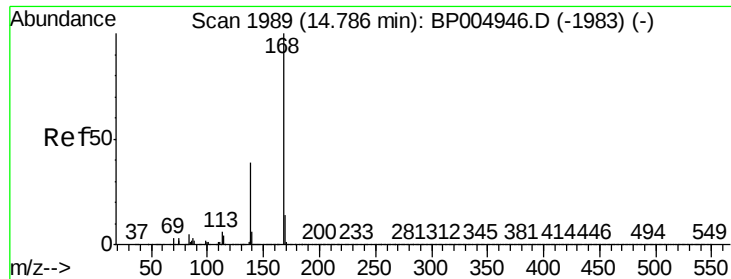
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#53
4-Nitrophenol
Concen: 3.997 ng/ul
RT: 14.60 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion	Ratio	Lower	Upper
109	100		
139	79.2	69.7	104.5
65	107.8	79.2	118.8





#54

Dibenzofuran

Concen: 3.824 ng/ul

RT: 14.79 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BP004953.D

Acq: 09 Mar 2021 20:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-07

Tot Ion:168 Resp: 28166

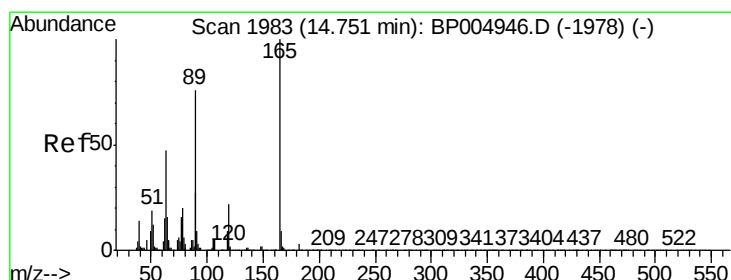
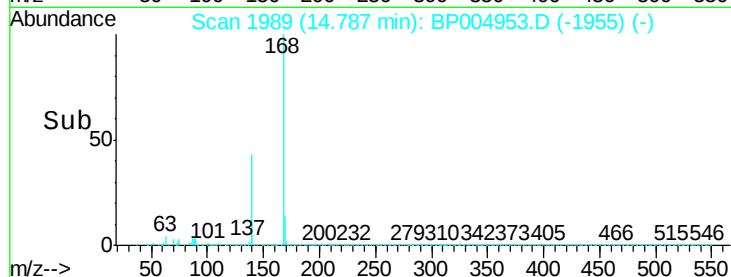
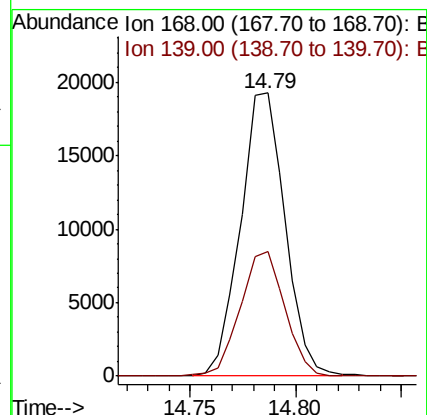
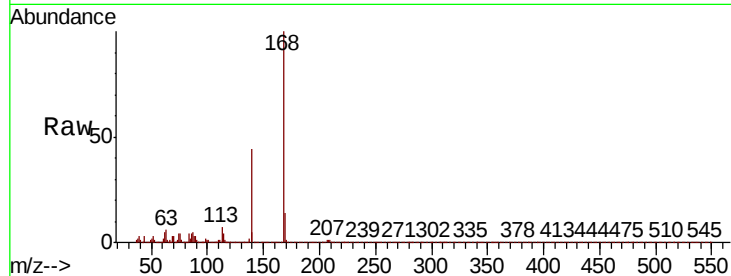
Ion Ratio Lower Upper

168 100

139 44.3 31.6 47.4

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#55

2,4-Dinitrotoluene

Concen: 3.510 ng/ul

RT: 14.76 min Scan# 1984

Delta R.T. 0.00 min

Lab File: BP004953.D

Acq: 09 Mar 2021 20:59

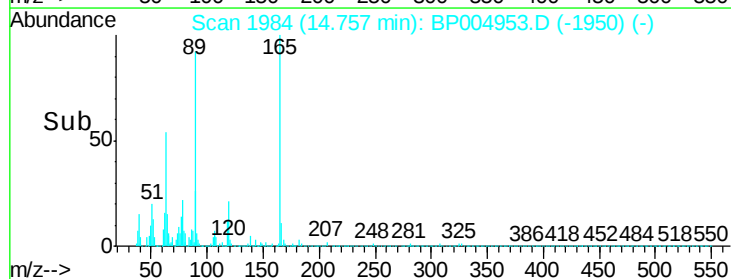
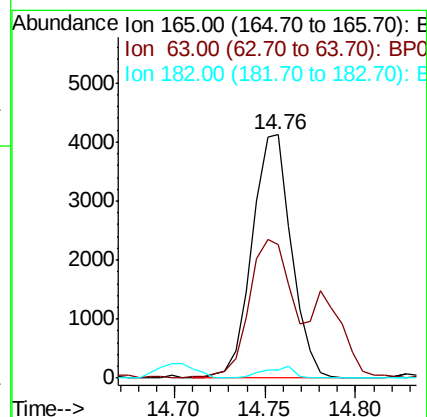
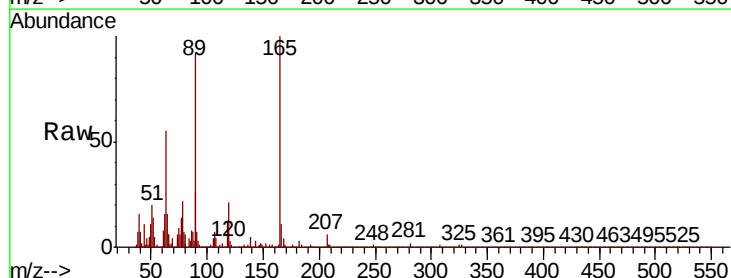
Tgt Ion:165 Resp: 6231

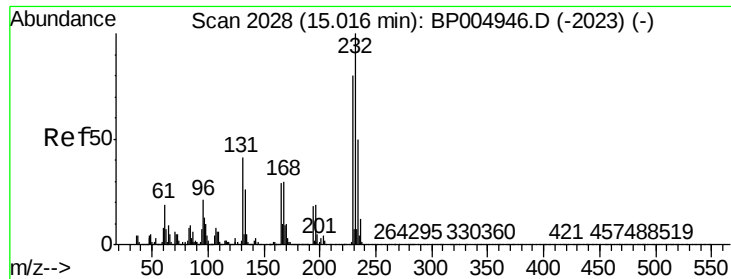
Ion Ratio Lower Upper

165 100

63 54.6 38.4 57.6

182 3.4 2.2 3.2#





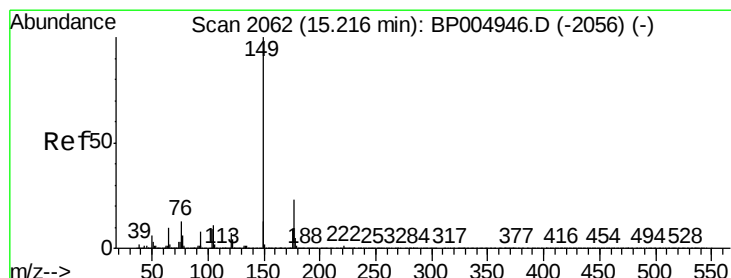
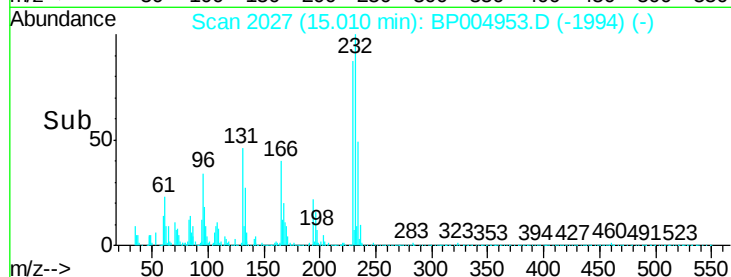
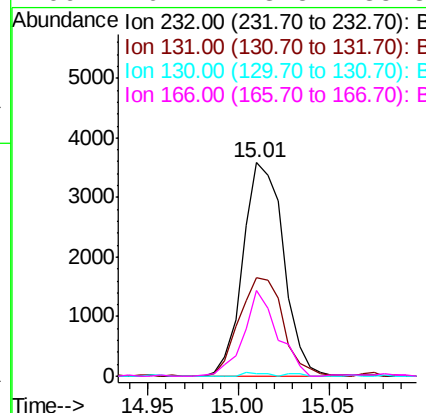
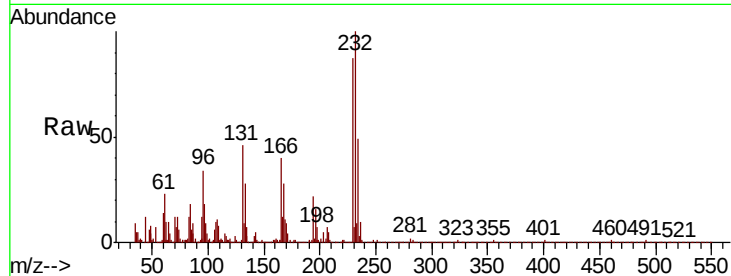
#56
 2,3,4,6-Tetrachlorophenol
 Concen: 3.374 ng/ul
 RT: 15.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BP004953.D
 Acq: 09 Mar 2021 20:59

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.4	32.6	48.8
130	1.3	3.1	4.7#
166	40.4	23.5	35.3#

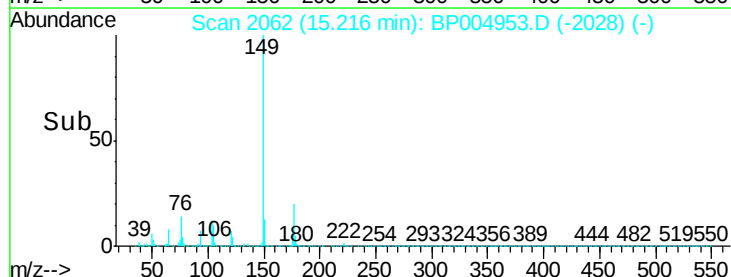
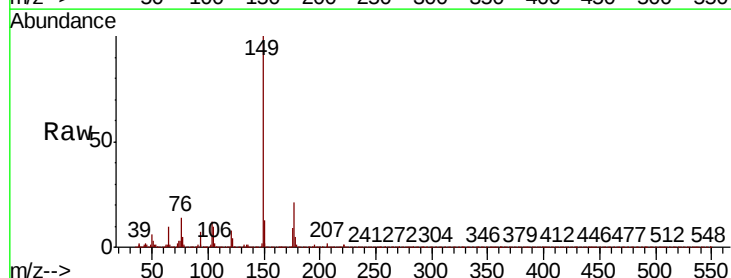
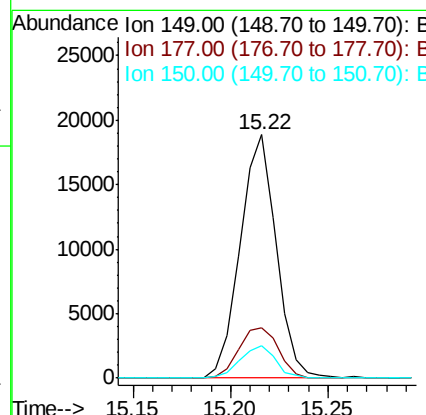
Manual Integrations
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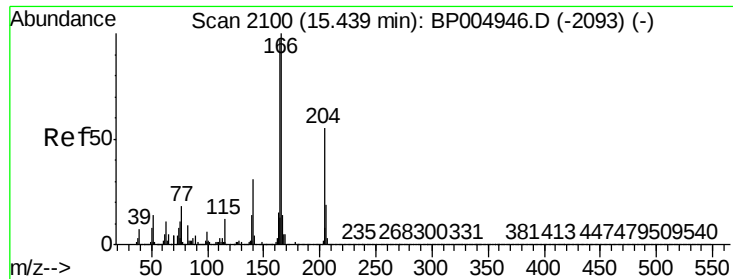
mohammad
 3/10/2021 11:54:42 AM



#57
 Diethylphthalate
 Concen: 3.854 ng/ul
 RT: 15.22 min Scan# 2062
 Delta R.T. 0.00 min
 Lab File: BP004953.D
 Acq: 09 Mar 2021 20:59

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.6	17.3	25.9
150	13.1	9.8	14.8





#59

Fluorene

Concen: 4.046 ng/ul

RT: 15.43 min Scan# 2099

Delta R.T. -0.01 min

Lab File: BP004953.D

Acq: 09 Mar 2021 20:59

Instrument :

BNA_P

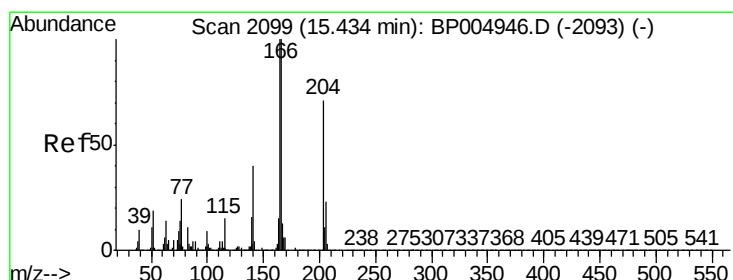
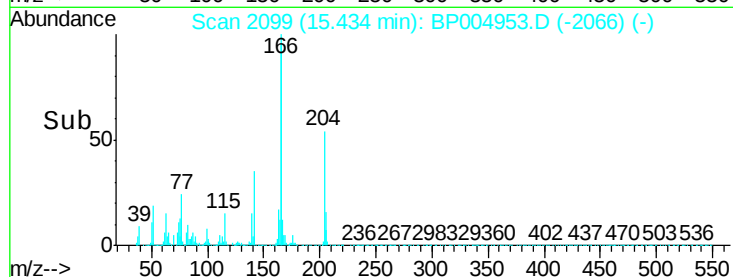
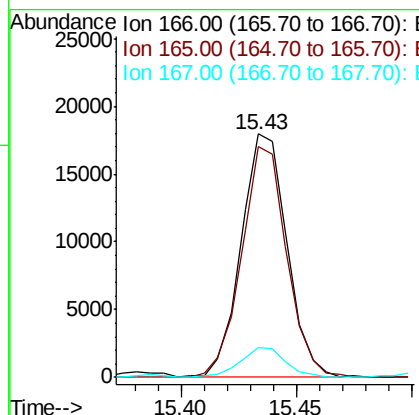
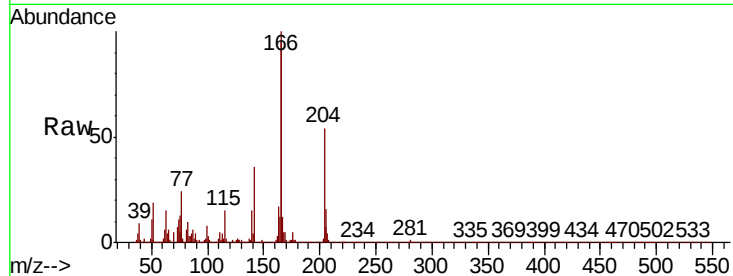
ClientSampleId :

MDL-SOIL-07

Tot Ion:	166	Resp:	24897
Ion Ratio	Lower	Upper	
166	100		
165	94.9	76.4	114.6
167	12.4	11.4	17.0

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#60

4-Chlorophenyl-phenylether

Concen: 3.889 ng/ul

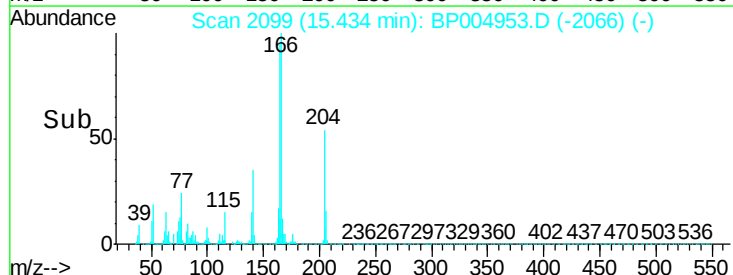
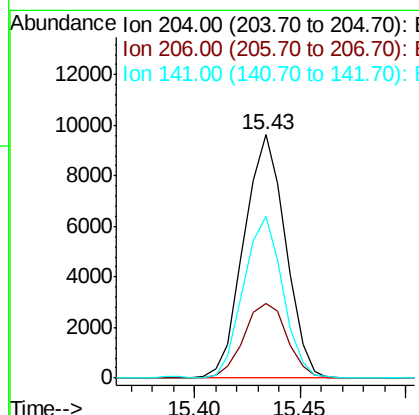
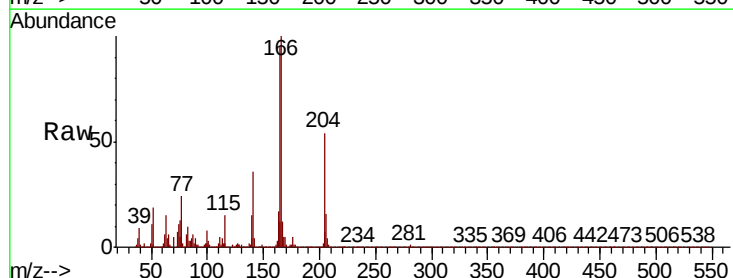
RT: 15.43 min Scan# 2099

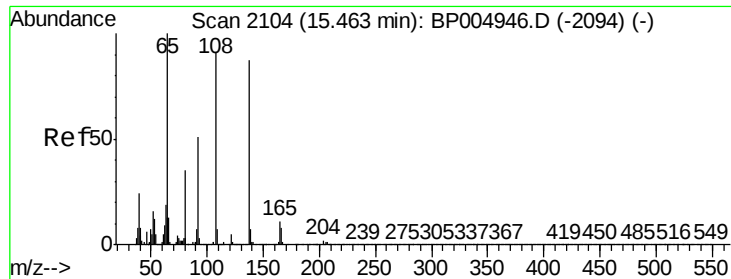
Delta R.T. -0.01 min

Lab File: BP004953.D

Acq: 09 Mar 2021 20:59

Tgt Ion:	204	Resp:	13153
Ion Ratio	Lower	Upper	
204	100		
206	30.5	24.6	37.0
141	66.3	46.8	70.2





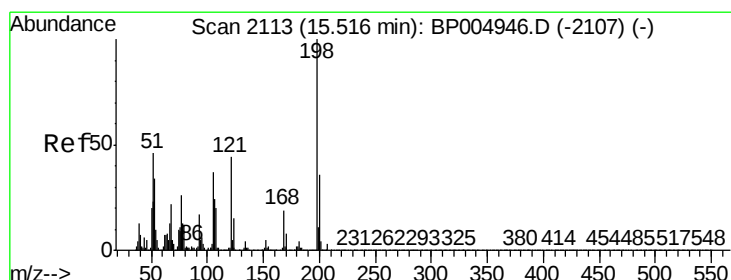
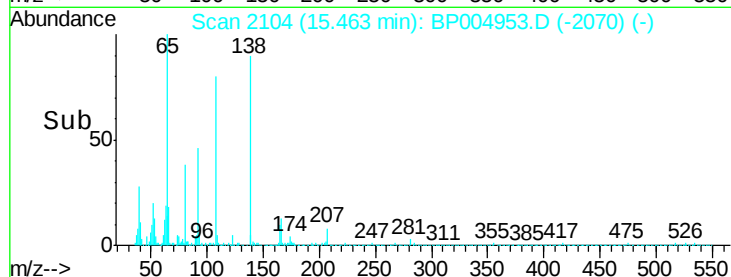
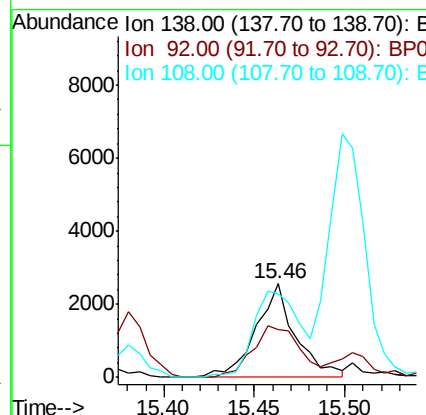
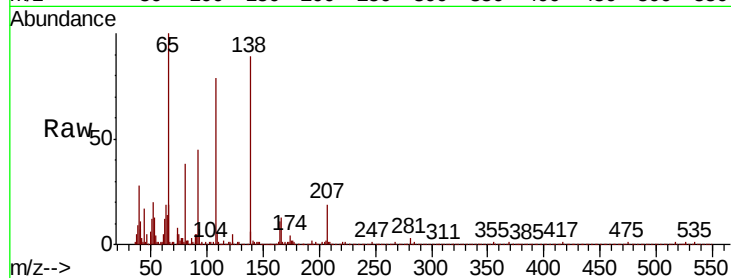
#61
4-Nitroaniline
Concen: 3.086 ng/ul
RT: 15.46 min Scan# 2104
Delta R.T. 0.00 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
138	100		
92	50.8	53.8	80.6#
108	88.9	99.4	149.0#

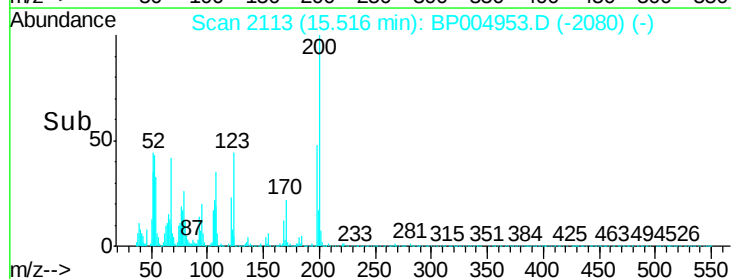
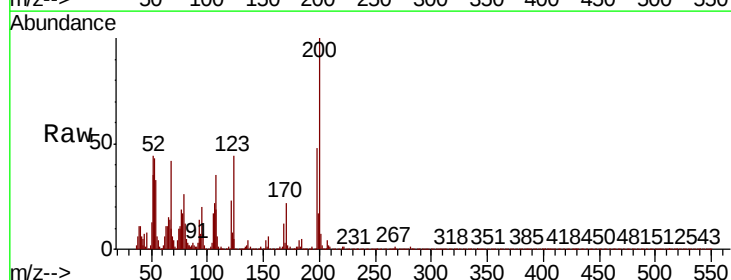
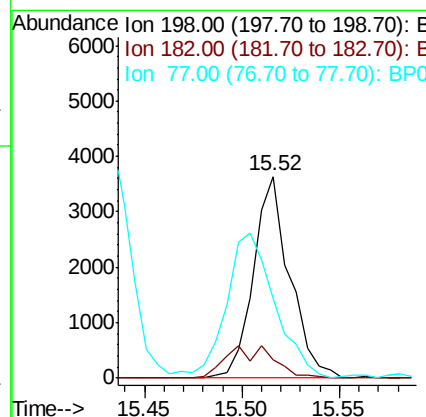
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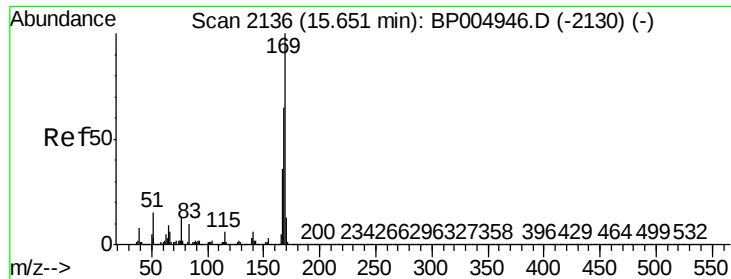
mohammad
3/10/2021 11:54:42 AM



#64
4,6-Dinitro-2-methylphenol
Concen: 3.901 ng/ul
RT: 15.52 min Scan# 2113
Delta R.T. -0.01 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion	Ratio	Lower	Upper
198	100		
182	8.9	3.5	5.3#
77	39.7	23.3	34.9#





#65

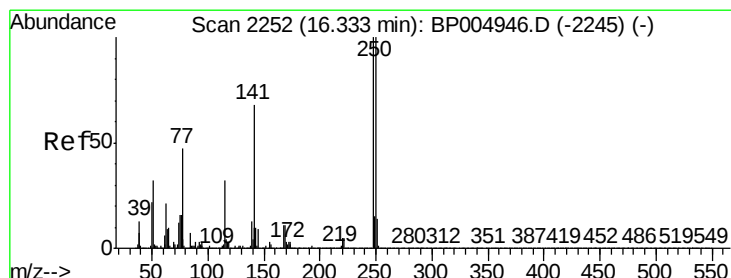
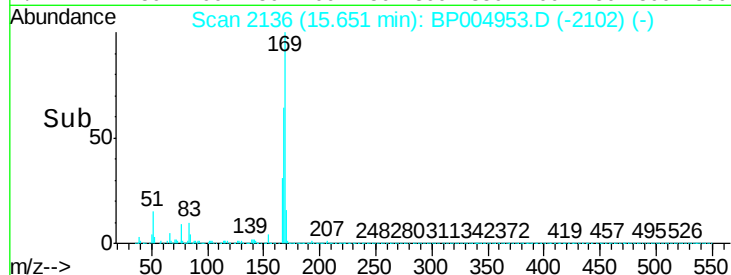
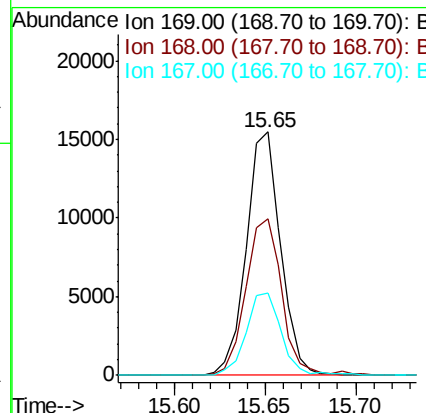
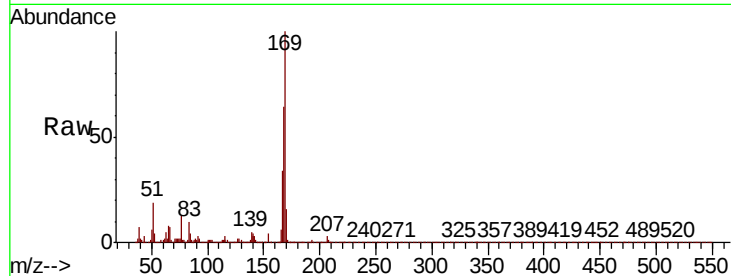
N-Nitrosodiphenylamine
Concen: 3.901 ng/ul
RT: 15.65 min Scan# 2136
Delta R.T. 0.00 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampled :
MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
169	100		
168	64.4	51.9	77.9
167	33.9	28.0	42.0

Manual Integrations
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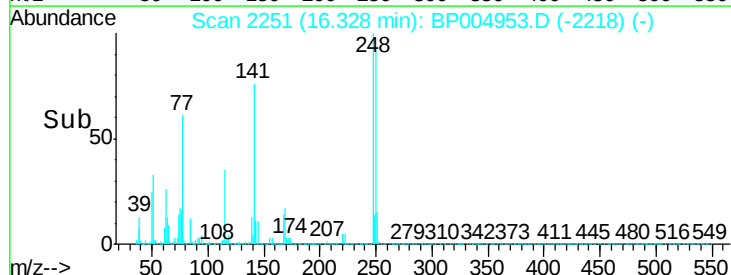
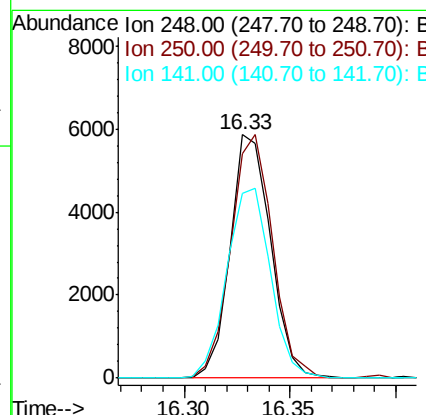
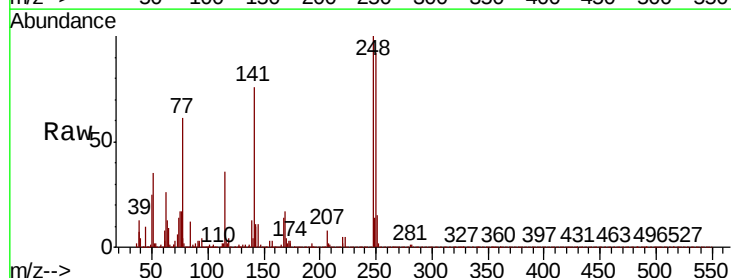
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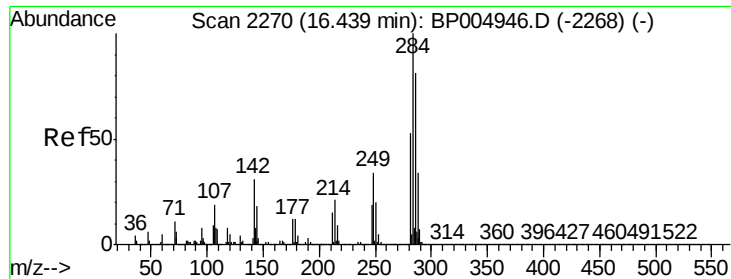


#66

4-Bromophenyl-phenylether
Concen: 3.814 ng/ul
RT: 16.33 min Scan# 2251
Delta R.T. -0.01 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion	Ratio	Lower	Upper
248	100		
250	92.4	77.6	116.4
141	76.1	63.6	95.4





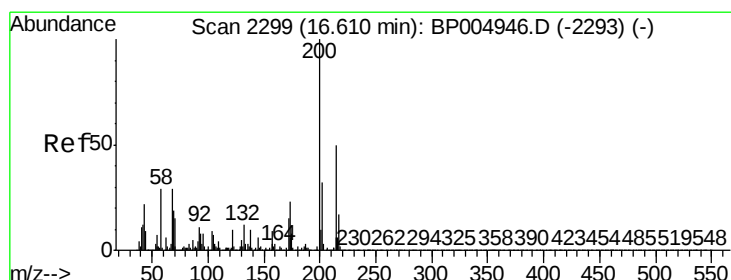
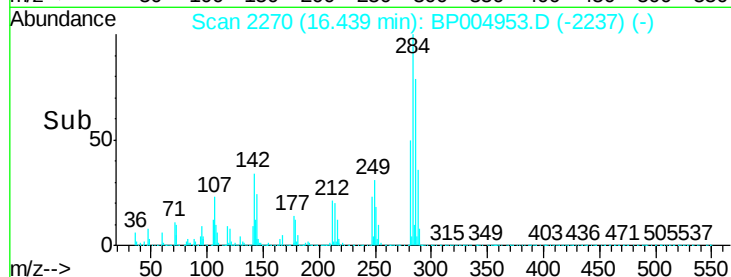
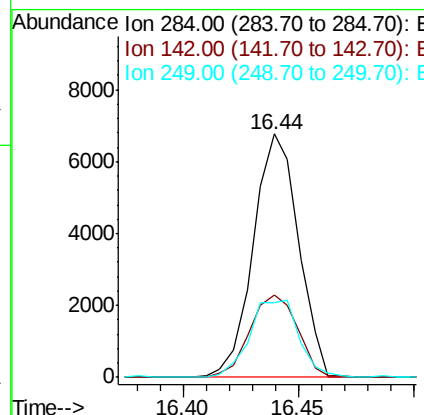
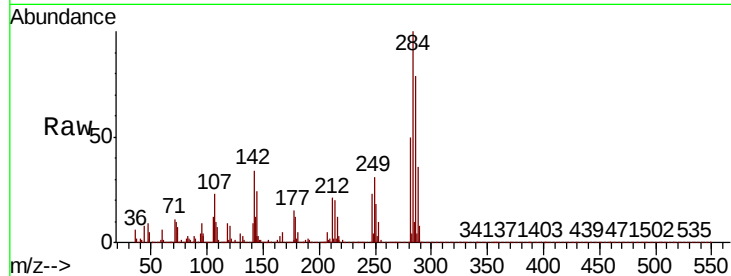
#67
Hexachlorobenzene
Concen: 4.020 ng/ul
RT: 16.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-07

Tot Ion:	284	Resp:	9245
Ion Ratio	Lower	Upper	
284	100		
142	33.8	27.1	40.7
249	30.9	28.3	42.5

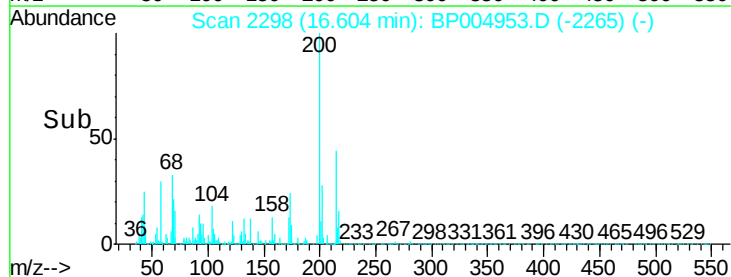
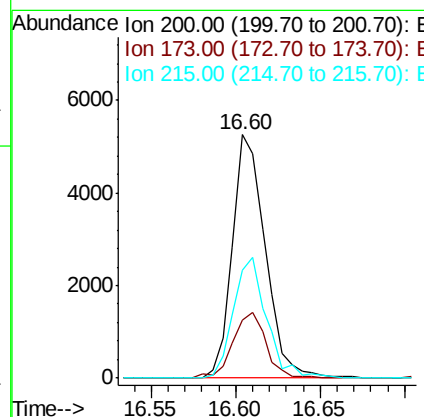
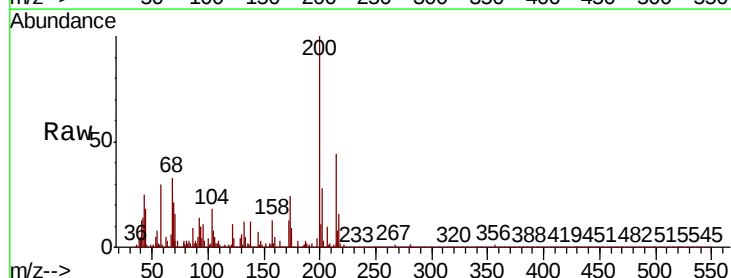
Manual Integrations
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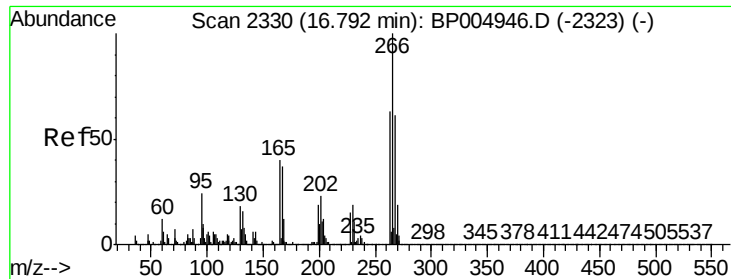
mohammad
3/10/2021 11:54:42 AM



#68
Atrazine
Concen: 3.431 ng/ul
RT: 16.60 min Scan# 2298
Delta R.T. -0.01 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion:	200	Resp:	7152
Ion Ratio	Lower	Upper	
200	100		
173	23.6	20.7	31.1
215	44.2	38.8	58.2





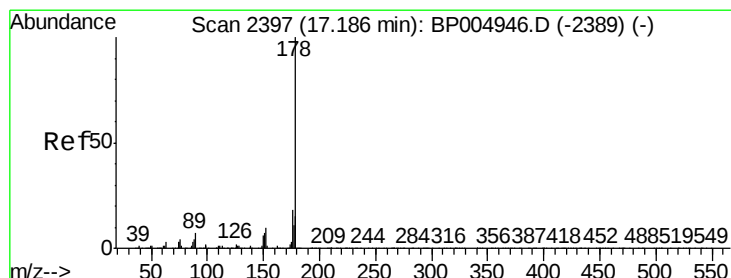
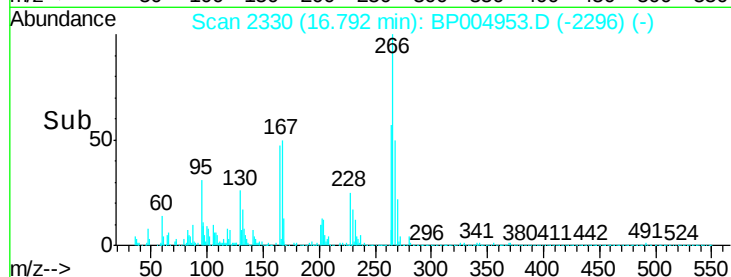
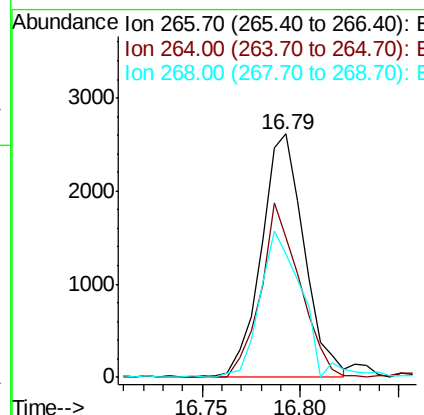
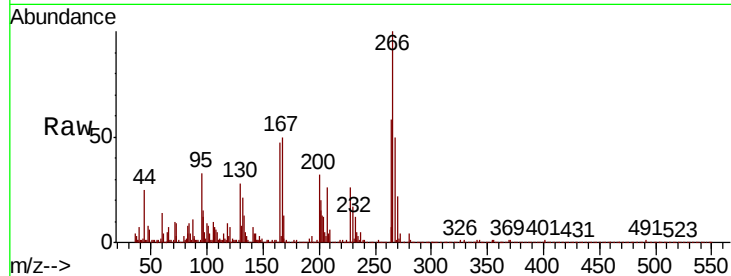
#69
Pentachlorophenol
Concen: 2.726 ng/ul m
RT: 16.79 min Scan# 2330
Delta R.T. 0.00 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
266	100		
264	57.6	55.8	83.6
268	50.5	52.1	78.1#

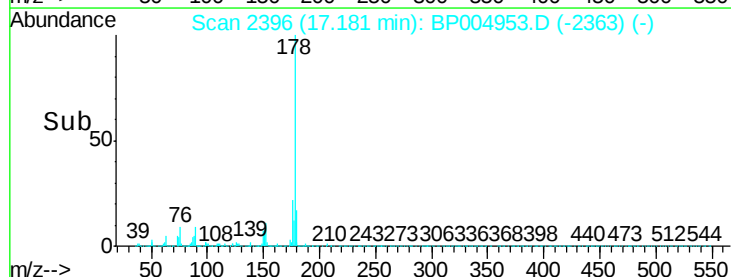
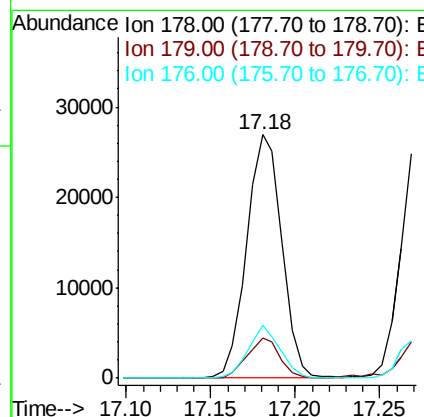
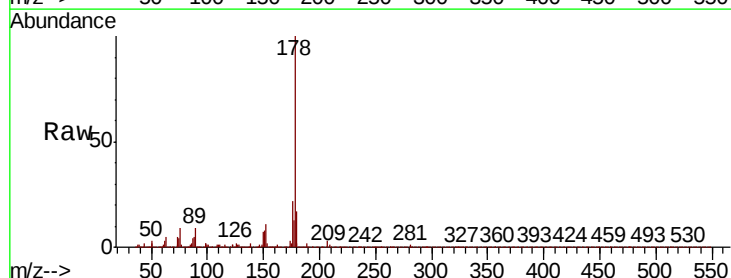
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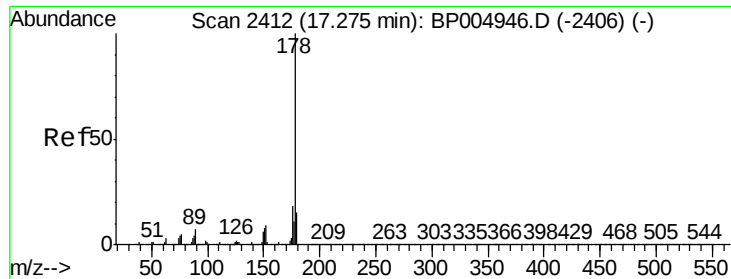
mohammad
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#70
Phenanthrene
Concen: 3.967 ng/ul
RT: 17.18 min Scan# 2396
Delta R.T. -0.01 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.6	11.4	17.0
176	21.6	15.0	22.6





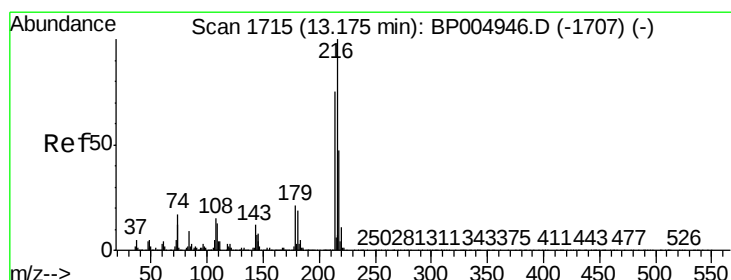
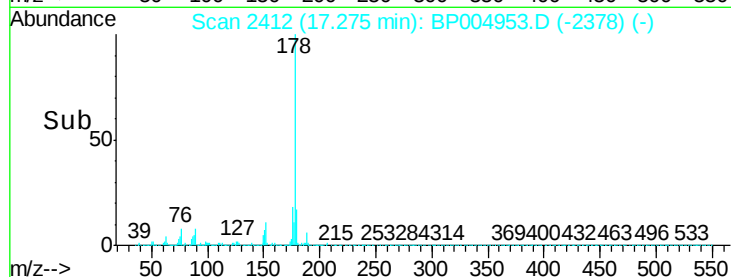
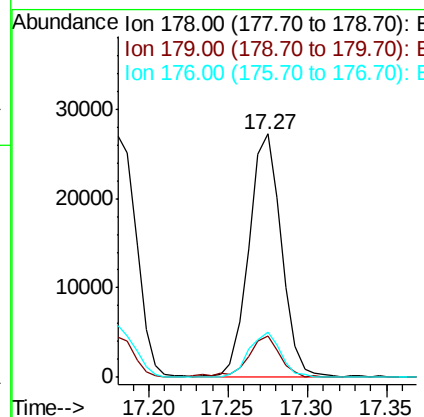
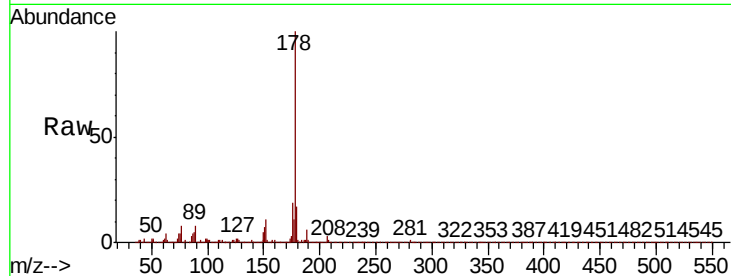
#72
 Anthracene
 Concen: 3.873 ng/ul
 RT: 17.27 min Scan# 2412
 Delta R.T. 0.00 min
 Lab File: BP004953.D
 Acq: 09 Mar 2021 20:59

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-07

Tot Ion:	178	Resp:	39043
Ion Ratio	Lower	Upper	
178	100		
179	17.0	12.4	18.6
176	18.5	14.7	22.1

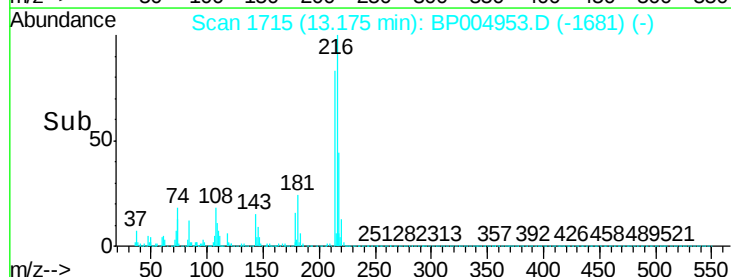
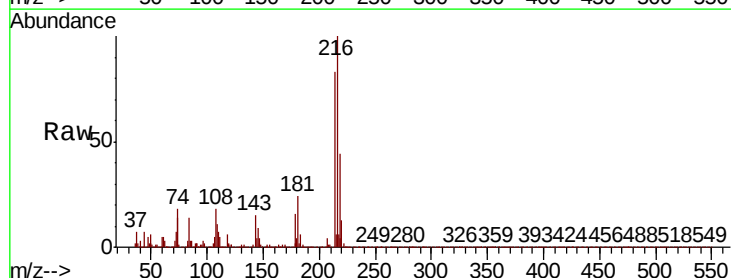
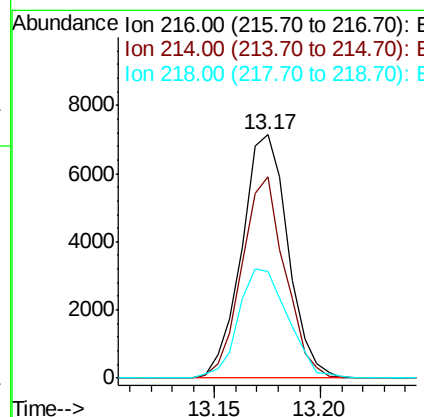
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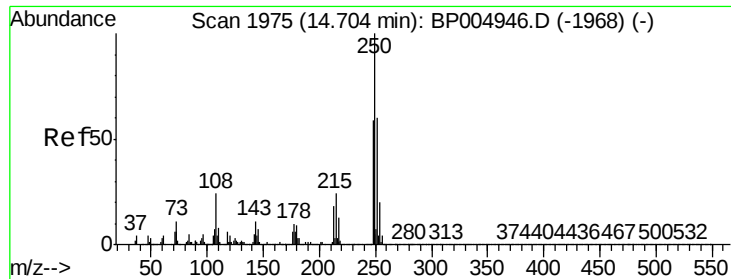
mohammad
 3/10/2021 11:54:42 AM



#73
 1,2,3,4-Tetrachlorobenzene
 Concen: 4.055 ng/uL
 RT: 13.17 min Scan# 1715
 Delta R.T. 0.00 min
 Lab File: BP004953.D
 Acq: 09 Mar 2021 20:59

Tgt Ion:	216	Resp:	10860
Ion Ratio	Lower	Upper	
216	100		
214	82.5	62.4	93.6
218	43.7	39.6	59.4





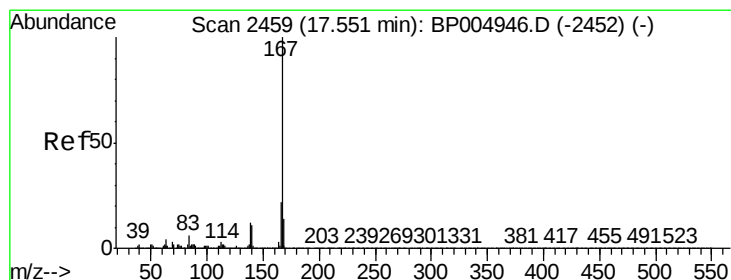
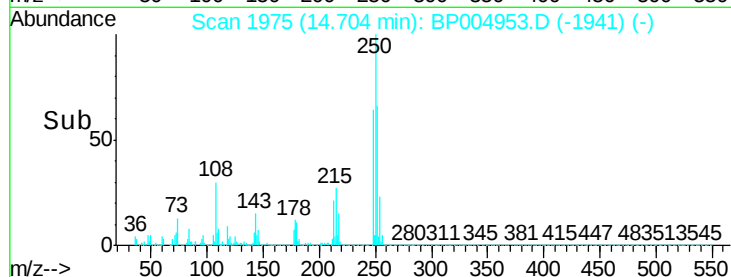
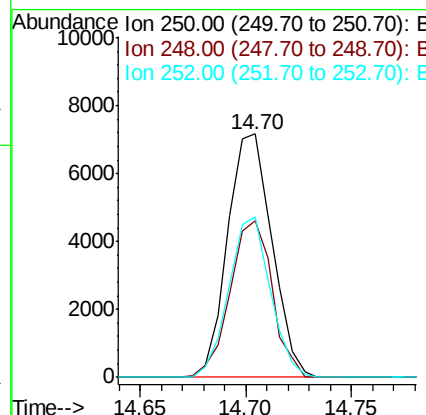
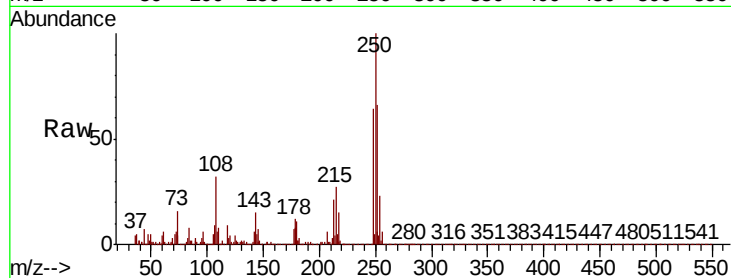
#74
Pentachlorobenzene
Concen: 3.824 ng/uL
RT: 14.70 min Scan# 1975
Delta R.T. 0.00 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
250	100		
248	69.0	52.4	78.6
252	66.0	50.9	76.3

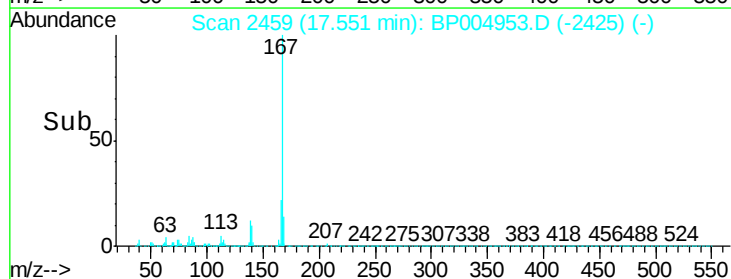
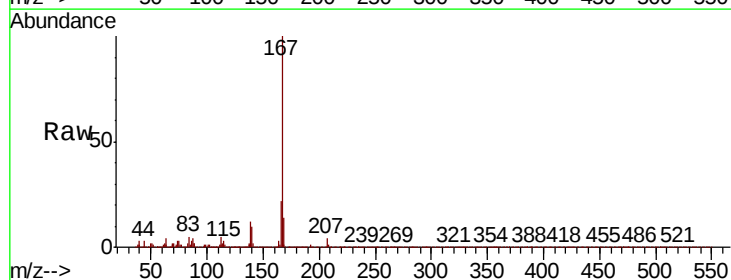
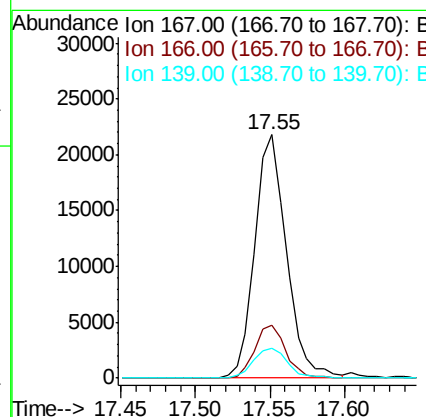
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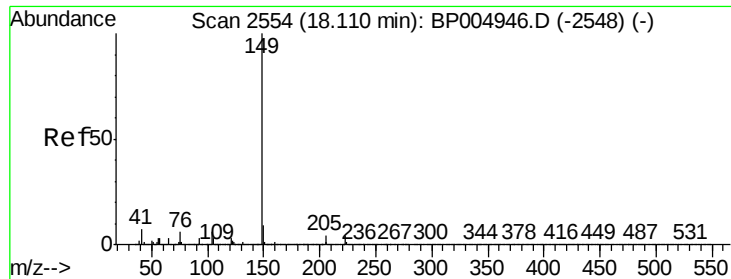
mohammad
3/10/2021 11:54:42 AM



#75
Carbazole
Concen: 3.676 ng/uL
RT: 17.55 min Scan# 2459
Delta R.T. 0.00 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.3	25.9
139	12.1	10.5	15.7





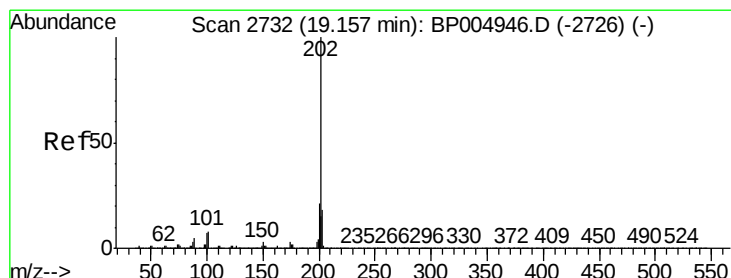
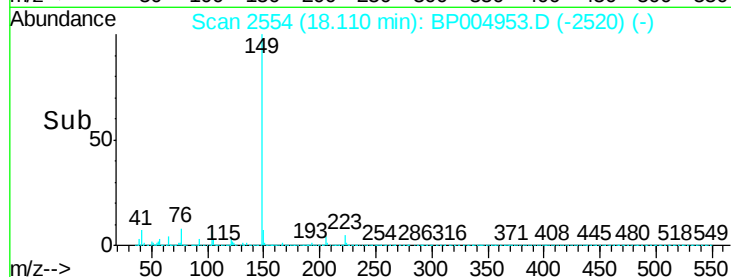
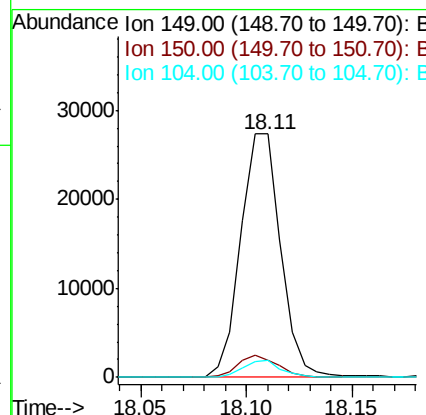
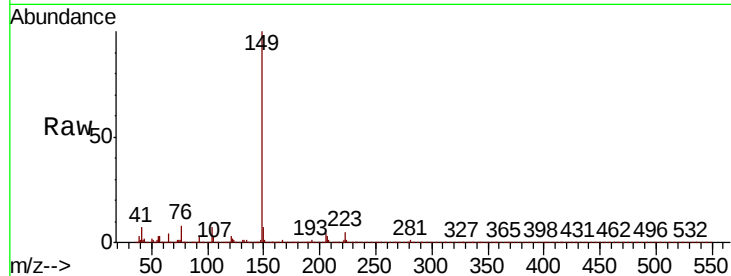
#76
Di-n-butylphthalate
Concen: 3.536 ng/ul
RT: 18.11 min Scan# 2554
Delta R.T. 0.00 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
149	100		
150	7.0	7.8	11.8#
104	7.0	5.3	7.9

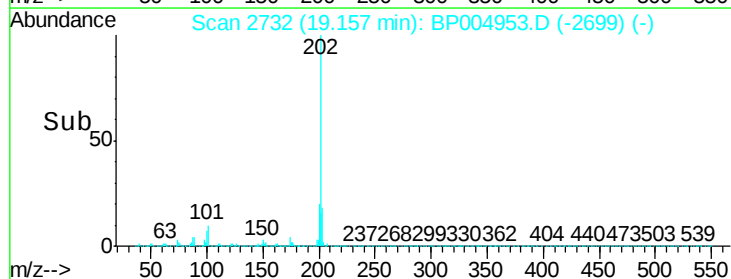
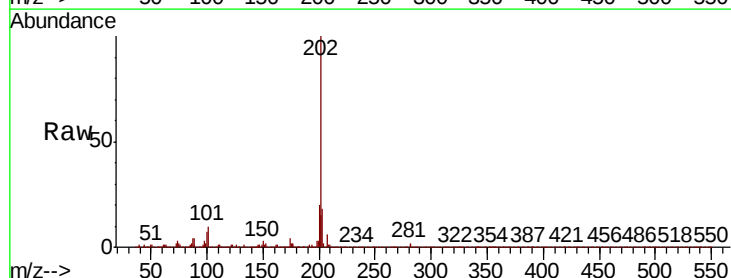
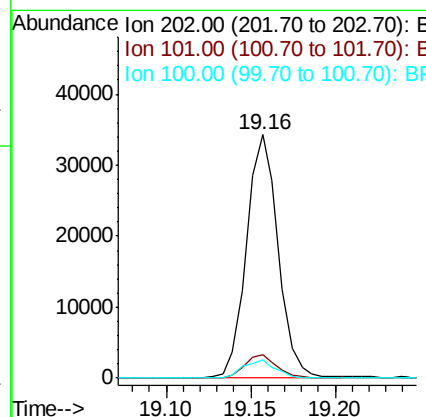
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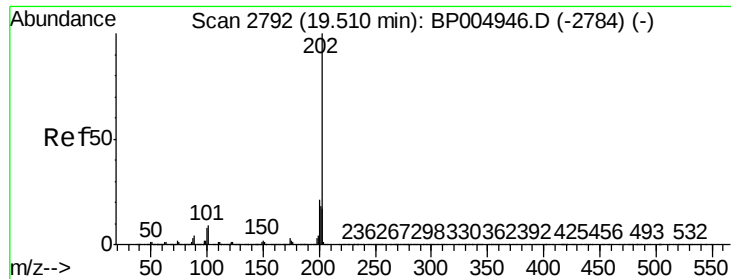
mohammad
3/10/2021 11:54:42 AM



#77
Fluoranthene
Concen: 3.743 ng/ul
RT: 19.16 min Scan# 2732
Delta R.T. -0.01 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.0	10.6
100	7.4	5.7	8.5





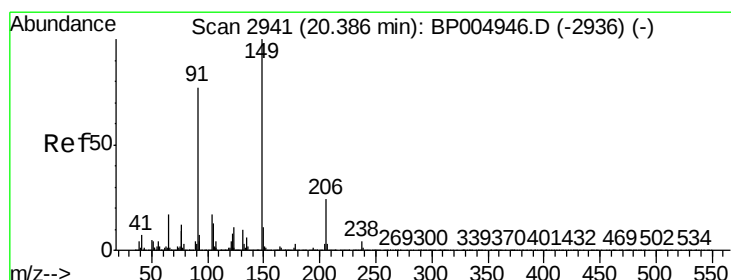
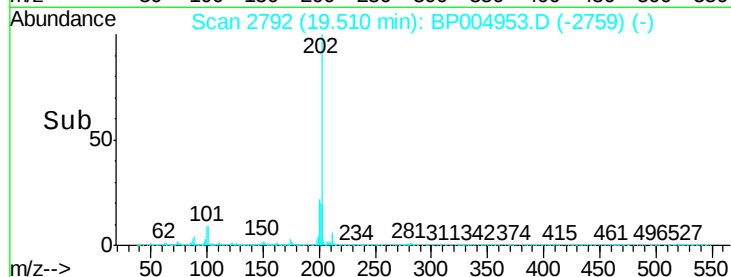
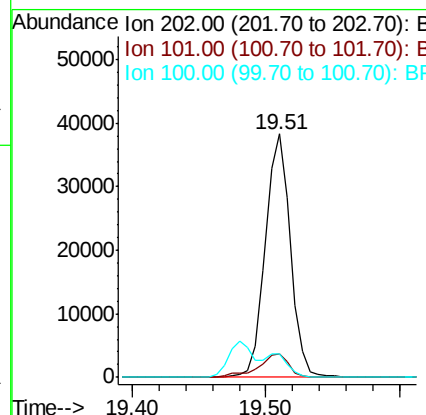
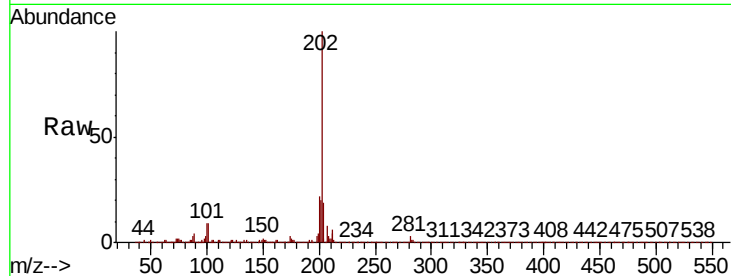
#80
Pvrene
Concen: 3.871 ng/ul
RT: 19.51 min Scan# 2792
Delta R.T. -0.01 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-07

Tot Ion	Ion	Ratio	Resp Lower	Upper
202	100			
101	9.4	7.9	11.9	
100	9.5	6.8	10.2	

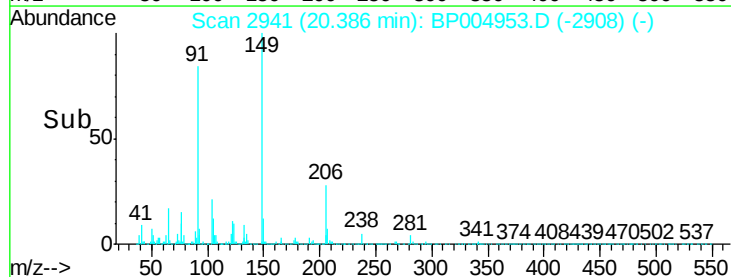
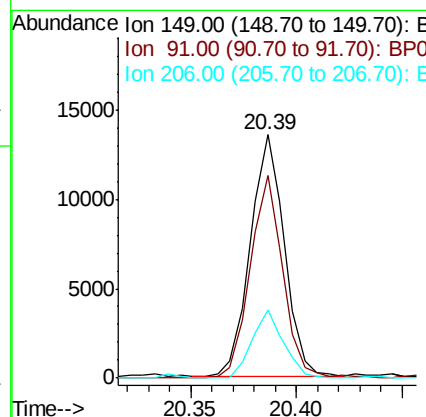
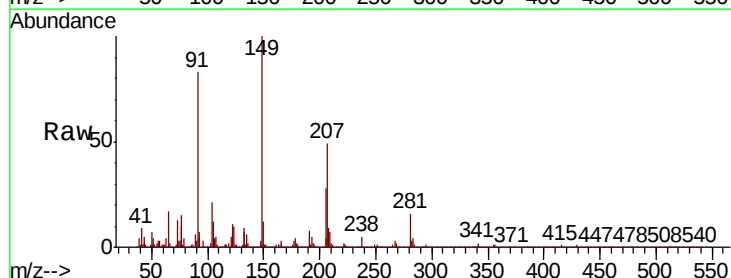
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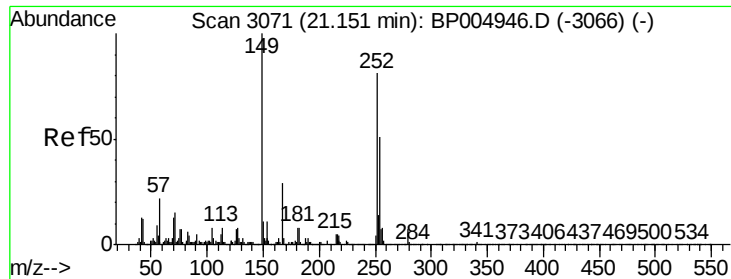
mohammad
3/10/2021 11:54:42 AM



#81
Butylbenzylphthalate
Concen: 3.263 ng/ul
RT: 20.39 min Scan# 2941
Delta R.T. -0.01 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion	Ion	Ratio	Resp Lower	Upper
149	100			
91	83.3	59.4	89.2	
206	28.0	19.0	28.6	





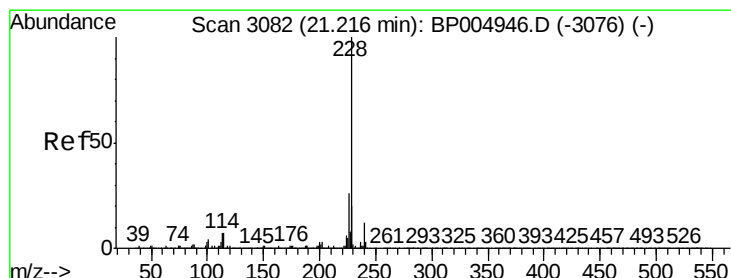
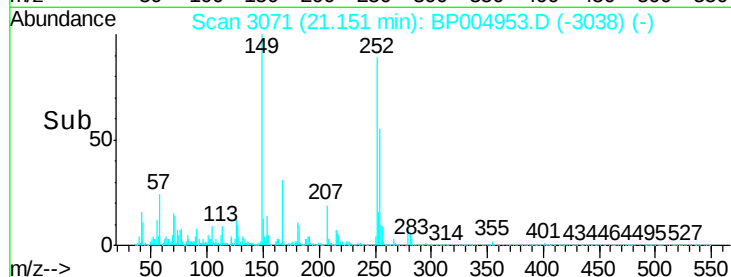
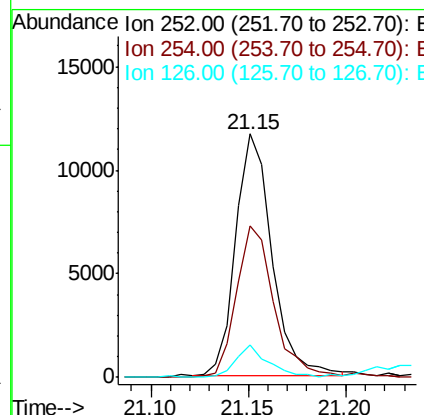
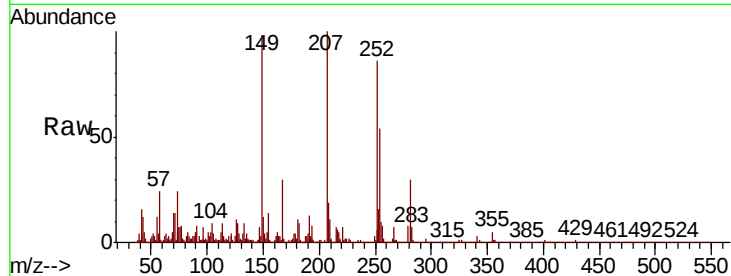
#82
 3,3'-Dichlorobenzidine
 Concen: 3.448 ng/ul
 RT: 21.15 min Scan# 3071
 Delta R.T. -0.01 min
 Lab File: BP004953.D
 Acq: 09 Mar 2021 20:59

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
252	100		
254	62.0	50.6	75.8
126	13.1	7.5	11.3

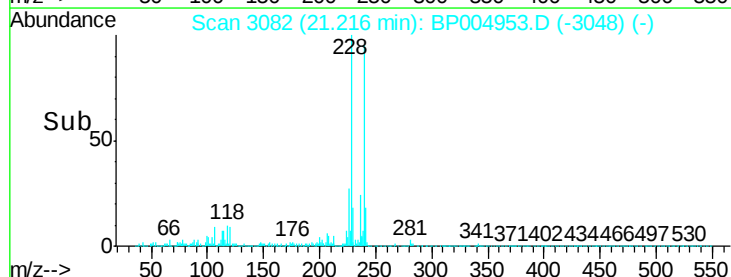
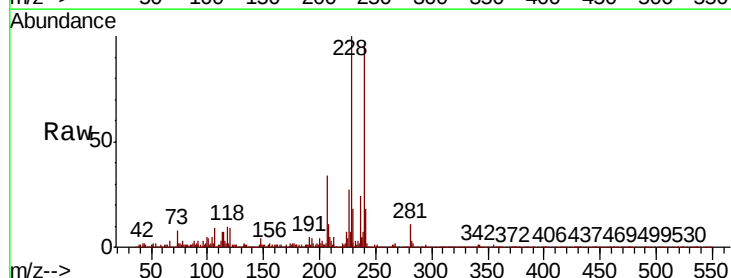
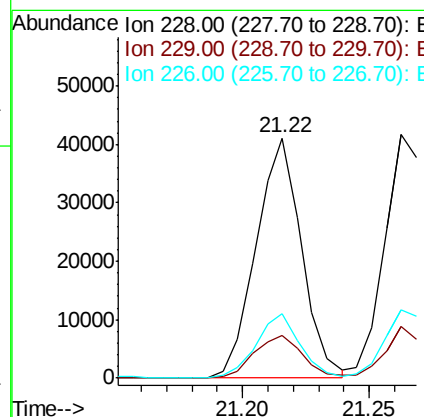
Manual Integrations
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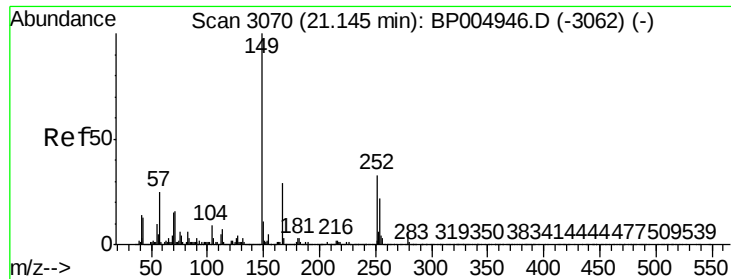
mohammad
 3/10/2021 11:54:42 AM



#83
 Benzo(a)anthracene
 Concen: 3.976 ng/ul
 RT: 21.22 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: BP004953.D
 Acq: 09 Mar 2021 20:59

Tgt Ion	Ratio	Lower	Upper
228	100		
229	17.6	15.0	22.4
226	26.7	21.2	31.8





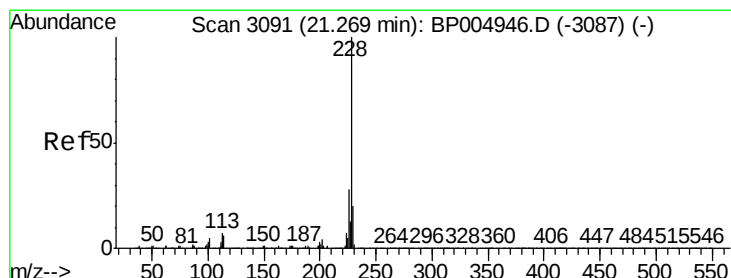
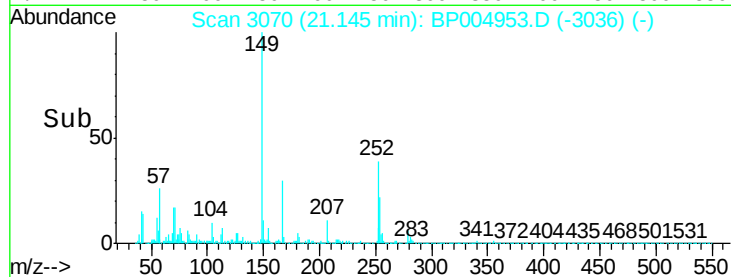
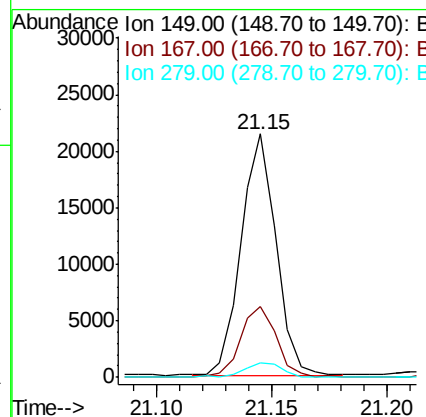
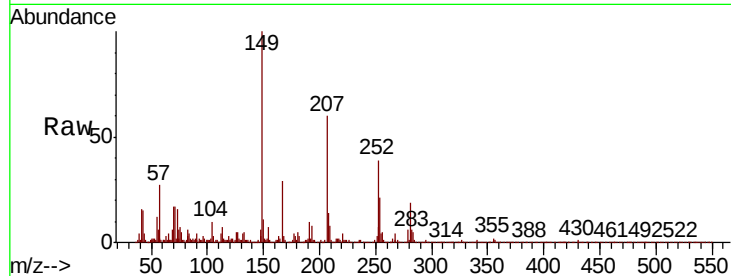
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.237 ng/ul
RT: 21.15 min Scan# 3070
Delta R.T. 0.00 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.3	22.6	34.0
279	6.0	3.8	5.8

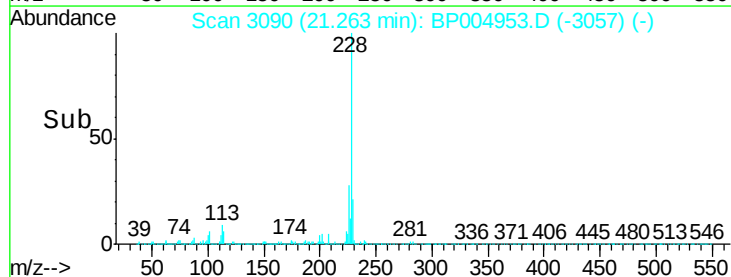
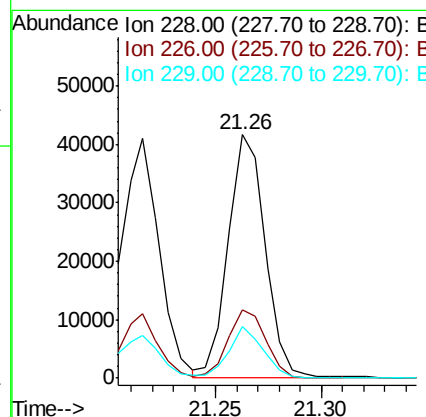
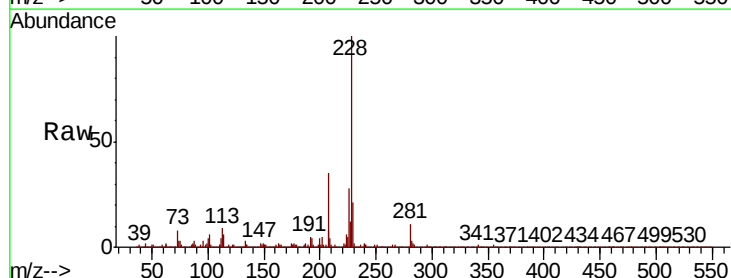
Manual Integrations
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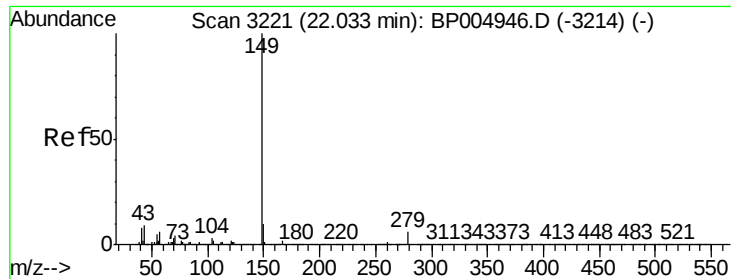
mohammad
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#85
Chrysene
Concen: 3.982 ng/ul
RT: 21.26 min Scan# 3090
Delta R.T. -0.01 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.9	34.3
229	21.2	15.4	23.2





#87

Di-n-octyl phthalate

Concen: 3.058 ng/ul

RT: 22.03 min Scan# 3220

Delta R.T. -0.01 min

Lab File: BP004953.D

Acq: 09 Mar 2021 20:59

Instrument :

BNA_P

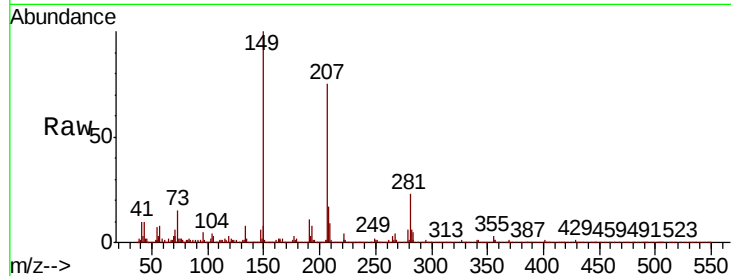
ClientSampleId :

MDL-SOIL-07

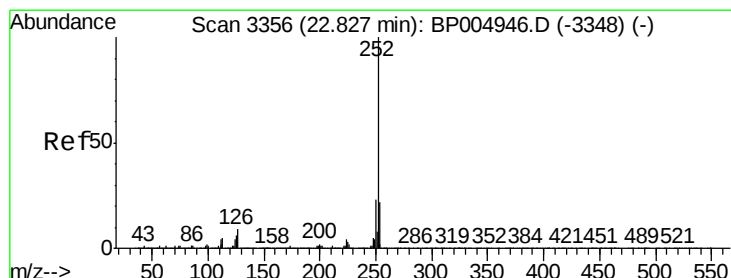
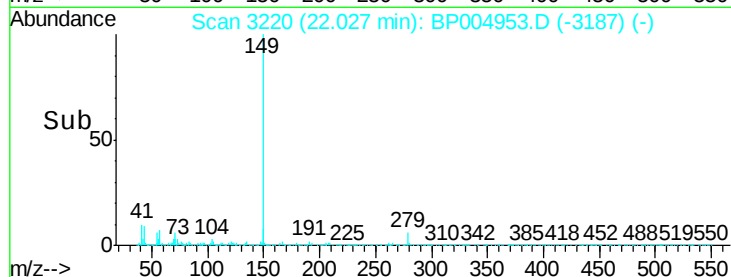
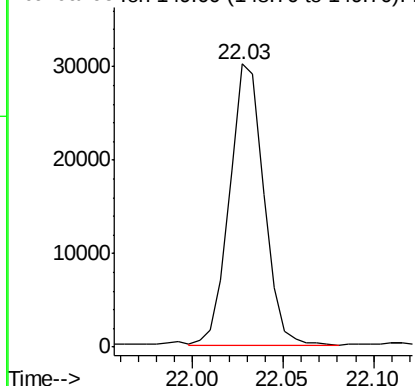
Tgt Ion:149 Resp: 39545

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E



#88

Benzo(b)fluoranthene

Concen: 3.760 ng/ul

RT: 22.82 min Scan# 3355

Delta R.T. -0.01 min

Lab File: BP004953.D

Acq: 09 Mar 2021 20:59

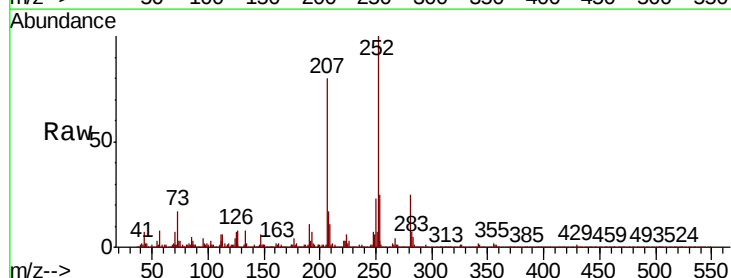
Tgt Ion:252 Resp: 51623

Ion Ratio Lower Upper

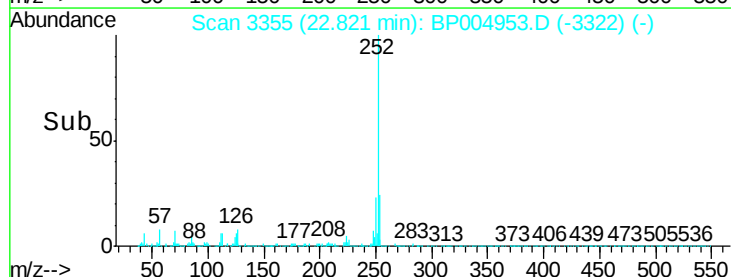
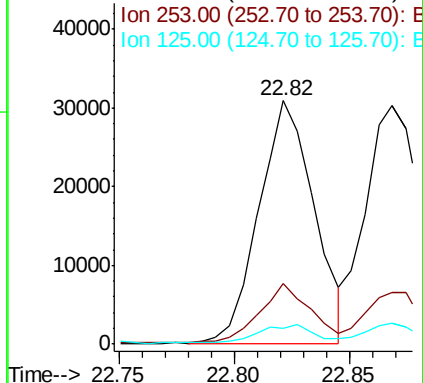
252 100

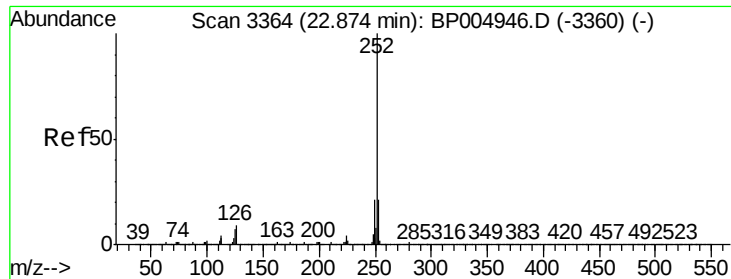
253 24.8 17.4 26.2

125 6.7 6.4 9.6



Abundance Ion 252.00 (251.70 to 252.70): E





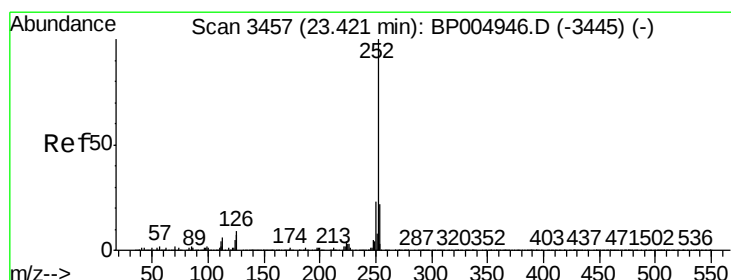
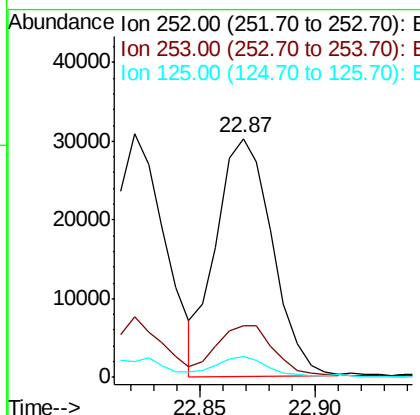
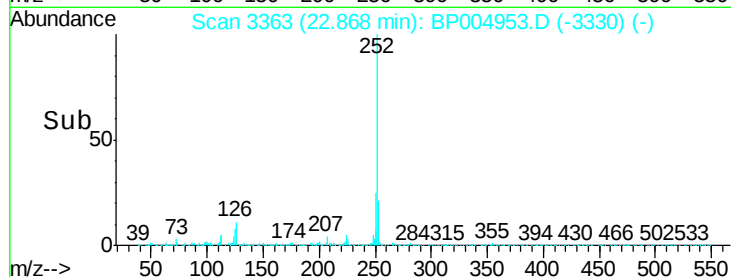
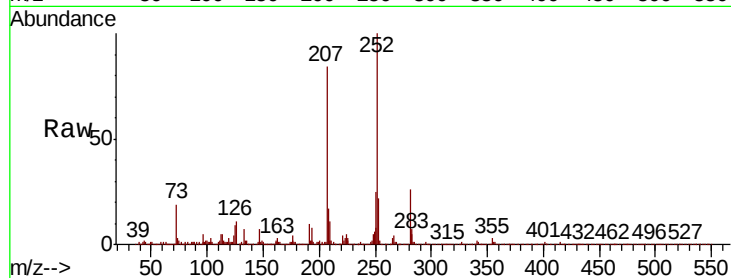
#89
Benzo(k)fluoranthene
Concen: 3.775 ng/ul
RT: 22.87 min Scan# 3363
Delta R.T. -0.01 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-07

Tot Ion:	252	Resp:	51132
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.8	26.8
125	8.7	6.3	9.5

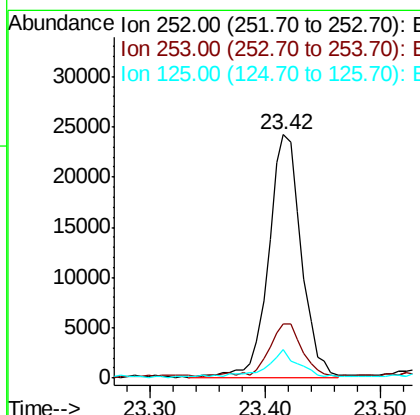
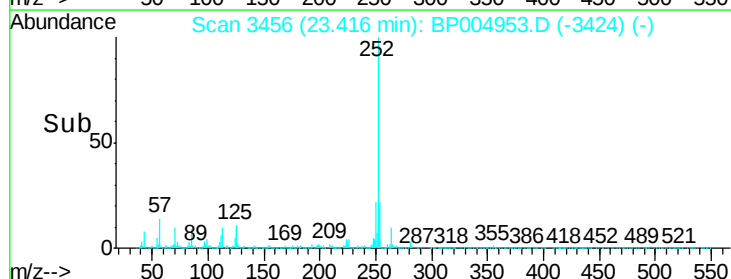
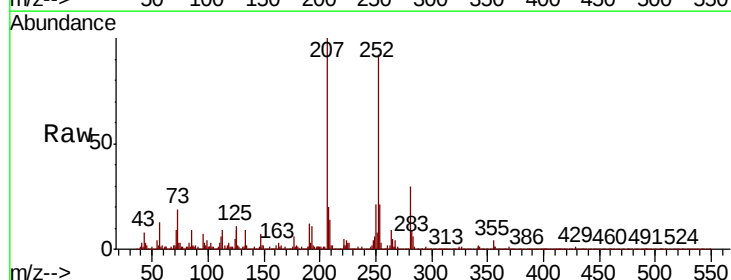
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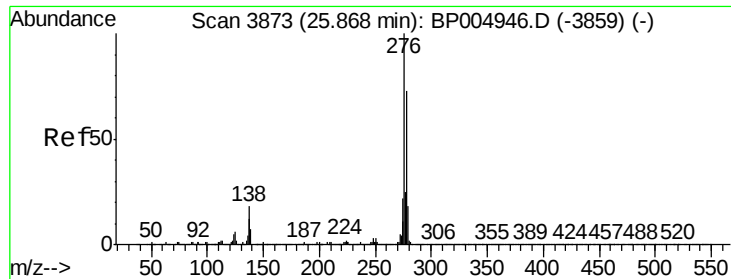
mohammad
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#91
Benzo(a)pyrene
Concen: 3.939 ng/ul
RT: 23.42 min Scan# 3456
Delta R.T. -0.01 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion:	252	Resp:	47478
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.6	26.4
125	11.5	7.0	10.4#





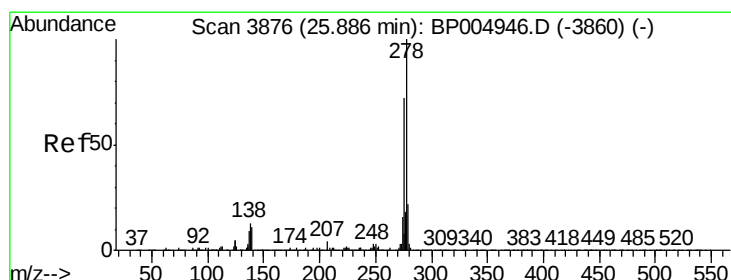
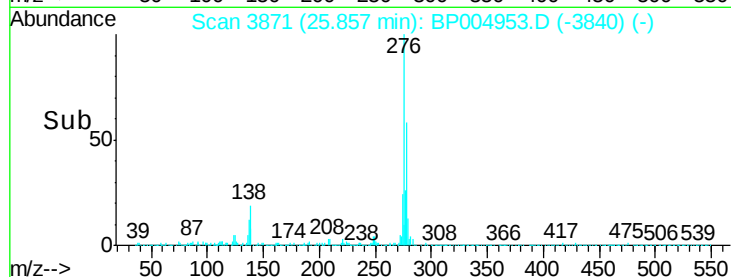
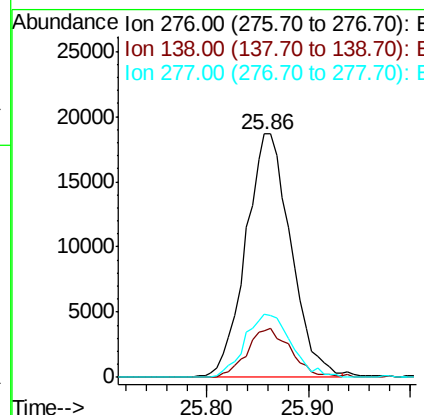
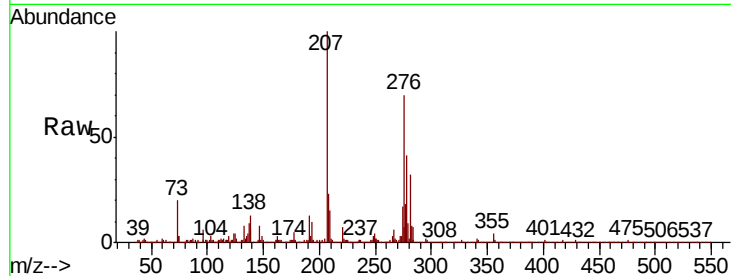
#92
Indeno(1,2,3-cd)pyrene
Concen: 3.741 ng/ul
RT: 25.86 min Scan# 3871
Delta R.T. -0.02 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Instrument :
BNA_P
ClientSampleID :
MDL-SOIL-07

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.2	14.7	22.1
277	26.0	19.4	29.0

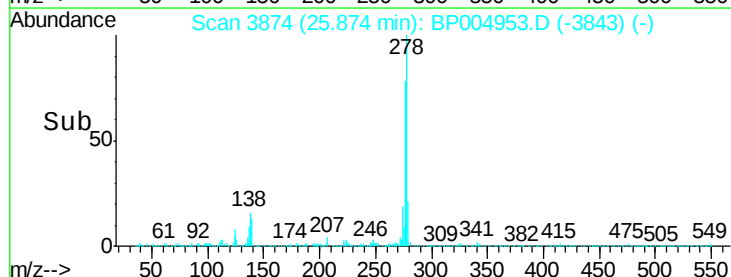
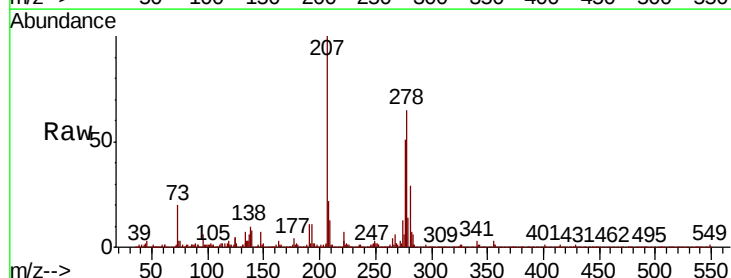
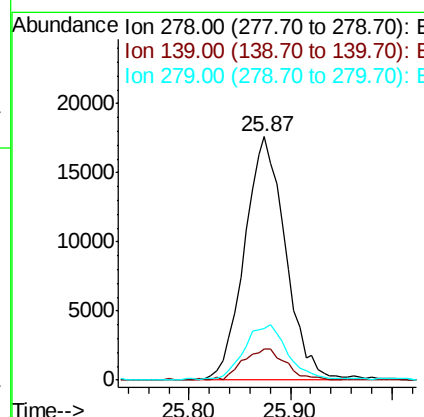
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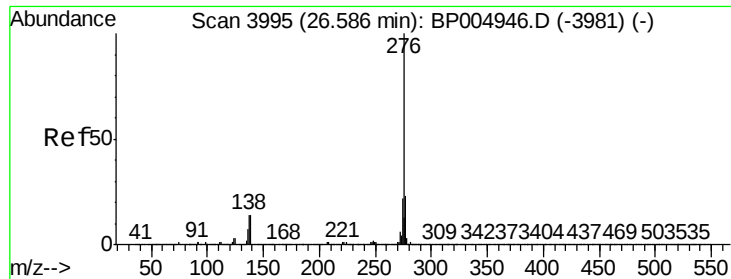
mohammad
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#93
Dibenzo(a,h)anthracene
Concen: 3.797 ng/ul
RT: 25.87 min Scan# 3874
Delta R.T. -0.02 min
Lab File: BP004953.D
Acq: 09 Mar 2021 20:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.7	10.2	15.2
279	21.0	18.9	28.3





#94

Benzo(a,h,i)perylene

Concen: 3.701 ng/ul

RT: 26.57 min Scan# 3993

Delta R.T. -0.02 min

Lab File: BP004953.D

Acq: 09 Mar 2021 20:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-07

Tot Ion:	276	Resp:	47196
Ion Ratio	Lower	Upper	
276	100		
138	13.9	13.4	20.0
277	23.2	17.8	26.6

Manual Integrations
APPROVED

mohammad
3/10/2021 11:54:42 AM

