

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
 Data File : BP000679.D
 Acq On : 12 Oct 2019 19:58
 Operator : JU
 Sample : K5324-01MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-PILEMSD

Manual Integrations
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mohammad
 10/16/2019 8:08:01 AM

Quant Time: Oct 14 05:40:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	280577	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	1025602	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	561717	20.00	ng	-0.02
64) Phenanthrene-d10	11.30	188	1027256	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	789154	20.00	ng	0.00
87) Perylene-d12	15.45	264	916903	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1769967	101.40	ng	-0.01
7) Phenol-d6	6.40	99	2263666	107.62	ng	-0.01
23) Nitrobenzene-d5	7.32	82	1286844	76.63	ng	-0.02
42) 2,4,6-Tribromophenol	10.60	330	661415	110.50	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	2434722	70.13	ng	-0.02
79) Terphenyl-d14	12.90	244	2672923	68.58	ng	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.50	88	233057	33.436	ng	99
3) Pyridine	3.23	79	586588	30.801	ng	99
4) n-Nitrosodimethylamine	3.17	42	195103	36.406	ng	99
6) Aniline	6.41	93	680617	26.635	ng	# 17
8) 2-Chlorophenol	6.54	128	645345	37.462	ng	98
9) Benzaldehyde	6.30	77	349576	31.907	ng	95
10) Phenol	6.41	94	825897	38.350	ng	90
11) bis(2-Chloroethyl)ether	6.49	93	613893	37.051	ng	98
12) 1,3-Dichlorobenzene	6.69	146	731778	35.043	ng	98
13) 1,4-Dichlorobenzene	6.77	146	742923	35.356	ng	98
14) 1,2-Dichlorobenzene	6.92	146	685286	35.324	ng	99
15) Benzyl Alcohol	6.89	79	501611	36.927	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.03	45	552077	36.123	ng	98
17) 2-Methylphenol	7.01	107	537946	37.786	ng	99
18) Hexachloroethane	7.26	117	257830	34.476	ng	98
19) n-Nitroso-di-n-propylamine	7.16	70	353826	36.495	ng	99
20) 3+4-Methylphenols	7.16	107	645240	38.733	ng	# 85
22) Acetophenone	7.16	105	863566	36.440	ng	98
24) Nitrobenzene	7.33	77	615312	37.992	ng	97
25) Isophorone	7.58	82	1141080	38.287	ng	100
26) 2-Nitrophenol	7.65	139	350046	41.099	ng	96
27) 2,4-Dimethylphenol	7.69	122	574674	44.017	ng	99
28) bis(2-Chloroethoxy)methane	7.78	93	762089	37.627	ng	99
29) 2,4-Dichlorophenol	7.90	162	583465	39.525	ng	99
30) 1,2,4-Trichlorobenzene	7.98	180	637952	36.797	ng	99
31) Naphthalene	8.06	128	1849899	38.621	ng	99
32) Benzoic acid	7.82	122	307880	37.347	ng	99
33) 4-Chloroaniline	8.10	127	411848	19.583	ng	99
34) Hexachlorobutadiene	8.18	225	372984	35.599	ng	97
35) Caprolactam	8.47	113	190431m	38.515	ng	
36) 4-Chloro-3-methylphenol	8.60	107	576439	39.870	ng	99
37) 2-Methylnaphthalene	8.75	142	1448649	45.052	ng	100
38) 1-Methylnaphthalene	8.85	142	1307200	43.024	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.92	216	637176	35.838	ng	99

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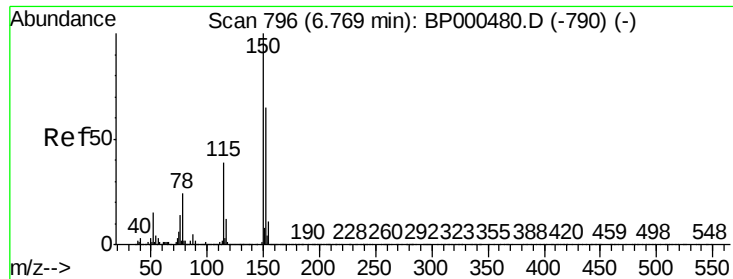
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.91	237	453666	65.230	nq	99
43) 2,4,6-Trichlorophenol	9.03	196	409644	37.429	nq	97
44) 2,4,5-Trichlorophenol	9.08	196	442311	39.143	nq	96
46) 1,1'-Biphenyl	9.22	154	1648810	38.887	nq	98
47) 2-Chloronaphthalene	9.25	162	1221501	37.257	nq	99
48) 2-Nitroaniline	9.34	65	294031	37.043	nq	89
49) Acenaphthylene	9.66	152	1923260	38.882	nq	99
50) Dimethylphthalate	9.52	163	1807641	46.313	nq	99
51) 2,6-Dinitrotoluene	9.59	165	330087	38.781	nq	94
52) Acenaphthene	9.83	154	1542816	51.418	nq	99
53) 3-Nitroaniline	9.75	138	214291	21.972	nq	93
54) 2,4-Dinitrophenol	9.87	184	232101	81.721	nq	# 92
55) Dibenzofuran	10.01	168	2260129	50.390	nq	100
56) 4-Nitrophenol	9.93	139	462830	74.332	nq	99
57) 2,4-Dinitrotoluene	9.99	165	431004	38.191	nq	97
58) Fluorene	10.36	166	1816134	56.812	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.13	232	370642	38.801	nq	97
60) Diethylphthalate	10.23	149	1366966	36.894	nq	99
61) 4-Chlorophenyl-phenylether	10.35	204	656006	38.162	nq	97
62) 4-Nitroaniline	10.37	138	344437	36.721	nq	100
63) Azobenzene	10.50	77	1152226	40.506	nq	96
65) 4,6-Dinitro-2-methylphenol	10.41	198	188732	41.445	nq	91
66) n-Nitrosodiphenylamine	10.46	169	1201685	40.165	nq	98
67) 4-Bromophenyl-phenylether	10.84	248	439824	38.036	nq	98
68) Hexachlorobenzene	10.91	284	460858	35.071	nq	95
69) Atrazine	11.00	200	375022	38.196	nq	99
70) Pentachlorophenol	11.11	266	415448	78.716	nq	97
71) Phenanthrene	11.33	178	3844640	74.521	nq	96
72) Anthracene	11.38	178	2247334	43.932	nq	99
73) Carbazole	11.53	167	1931754	40.738	nq	99
74) Di-n-butylphthalate	11.87	149	2178619	37.715	nq	99
75) Fluoranthene	12.53	202	3777868	65.200	nq	98
77) Benzidine	12.65	184	1259692	55.124	nq	99
78) Pyrene	12.76	202	3299900	60.629	nq	99
80) Butylbenzylphthalate	13.39	149	949100	40.017	nq	98
81) Benzo(a)anthracene	13.96	228	2153678	44.729	nq	97
82) 3,3'-Dichlorobenzidine	13.92	252	521571	27.271	nq	97
83) Chrysene	14.00	228	2032320	43.004	nq	99
84) Bis(2-ethylhexyl)phthalate	13.96	149	1175240	39.400	nq	99
85) Di-n-octyl phthalate	14.57	149	2202108	40.730	nq	100
86) Indeno(1,2,3-cd)pyrene	16.92	276	2265560	38.378	nq	100
88) Benzo(b)fluoranthene	15.02	252	2117495	40.707	nq	98
89) Benzo(k)fluoranthene	15.05	252	1960555	39.588	nq	99
90) Benzo(a)pyrene	15.39	252	2012340	41.499	nq	98
91) Dibenzo(a,h)anthracene	16.94	278	1825137	38.808	nq	98
92) Benzo(g,h,i)perylene	17.36	276	1900713	39.773	nq	99

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



#1

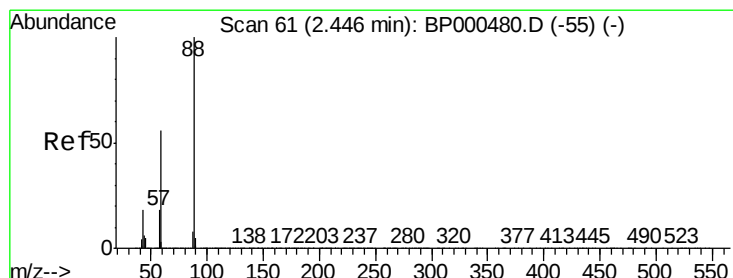
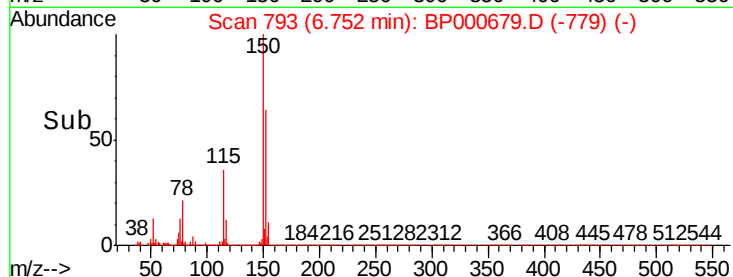
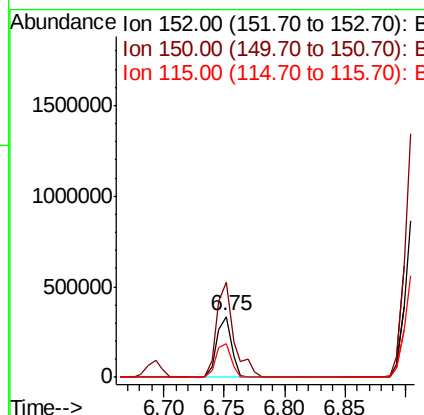
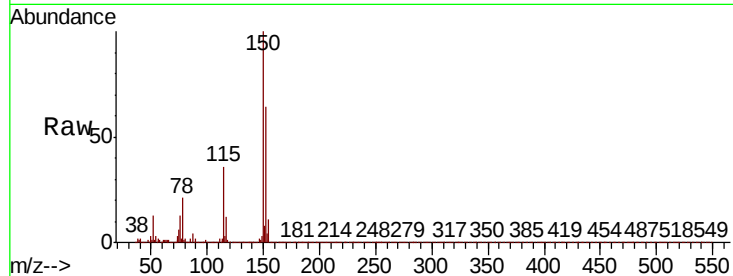
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.1	186.1
115	56.1	48.7	73.1

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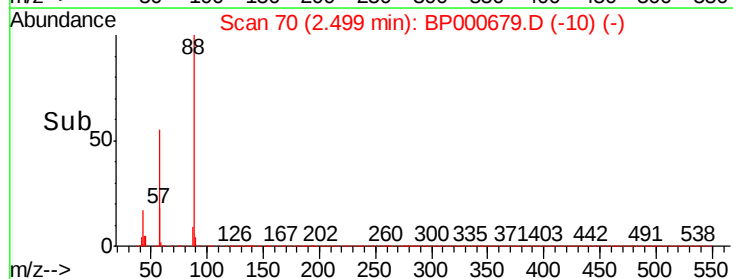
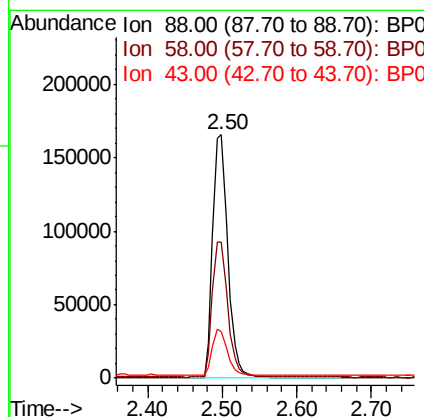
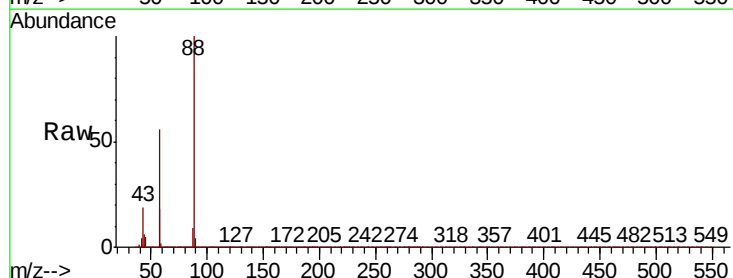
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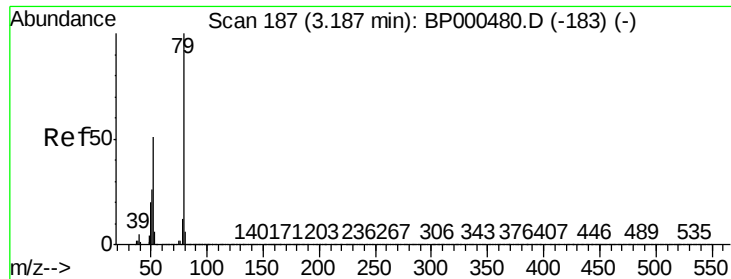


#2

1,4-Dioxane
Concen: 33.436 ng
RT: 2.50 min Scan# 70
Delta R.T. 0.05 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Lower	Upper
88	100		
58	56.9	45.3	67.9
43	18.6	14.5	21.7





#3

Pvridine

Concen: 30.801 ng

RT: 3.23 min Scan# 194

Delta R.T. 0.04 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

Instrument :

BNA_P

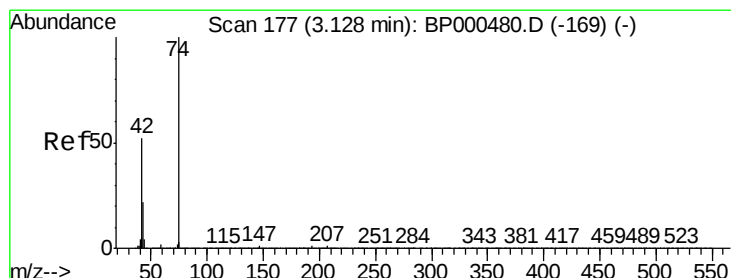
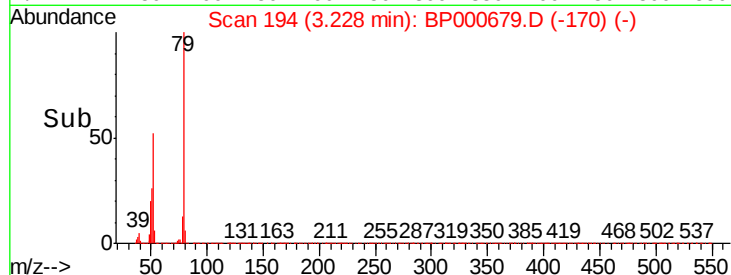
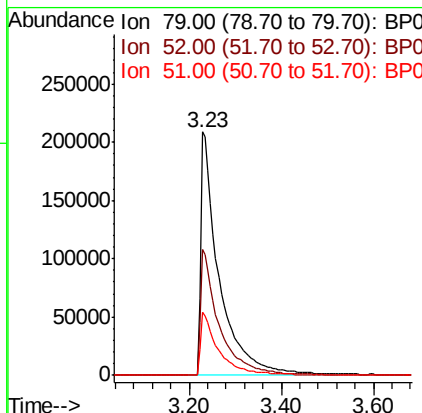
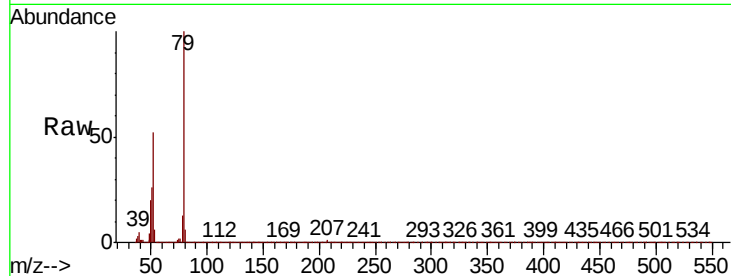
ClientSampleId :

SOIL-PILEMSD

Tot Ion:	79	Resp:	586588
Ion Ratio	Lower	Upper	
79	100		
52	51.7	40.7	61.1
51	25.8	20.5	30.7

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#4

n-Nitrosodimethylamine

Concen: 36.406 ng

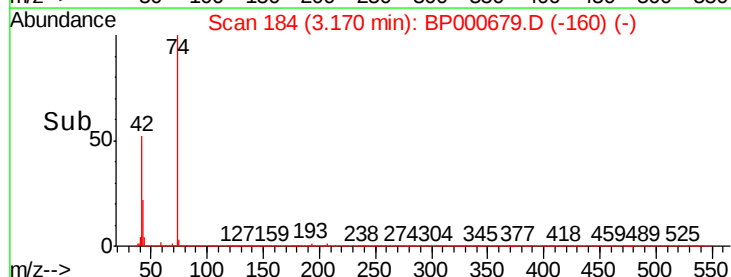
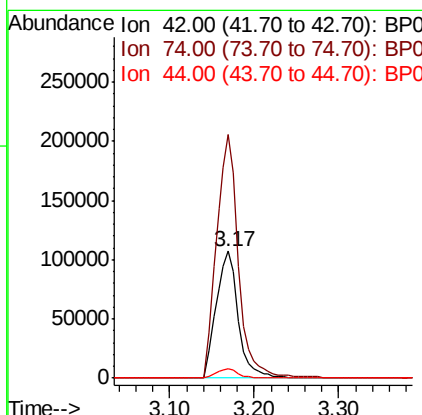
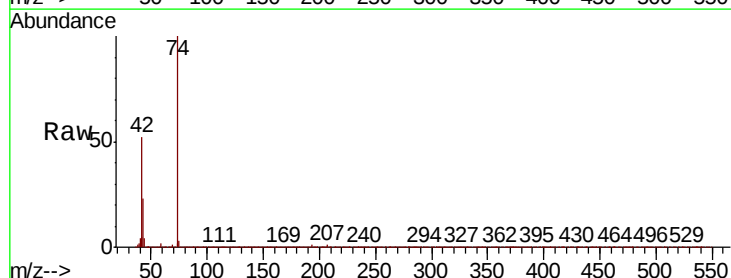
RT: 3.17 min Scan# 184

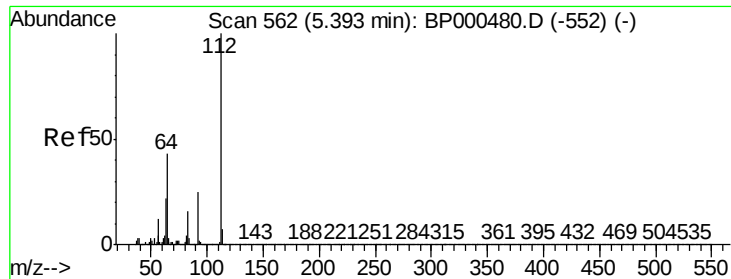
Delta R.T. 0.04 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

Tgt Ion:	42	Resp:	195103
Ion Ratio	Lower	Upper	
42	100		
74	192.0	152.4	228.6
44	6.9	5.6	8.4





#5

2-Fluorophenol

Concen: 101.403 ng

RT: 5.38 min Scan# 560

Delta R.T. -0.01 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

Instrument :

BNA_P

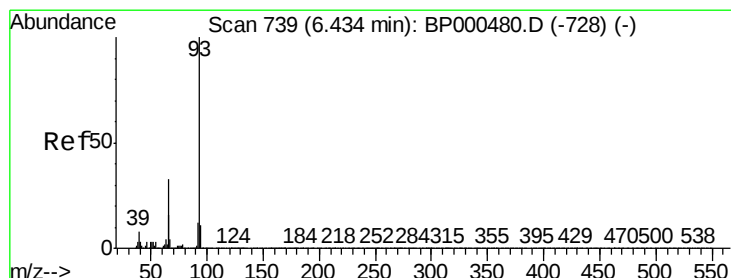
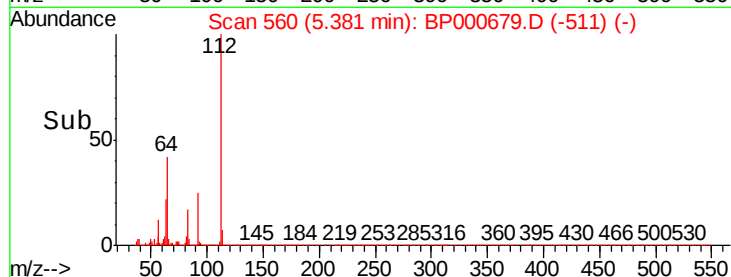
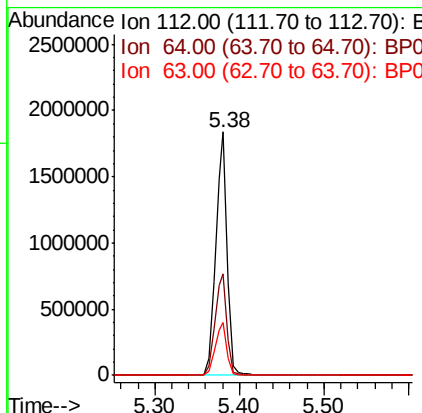
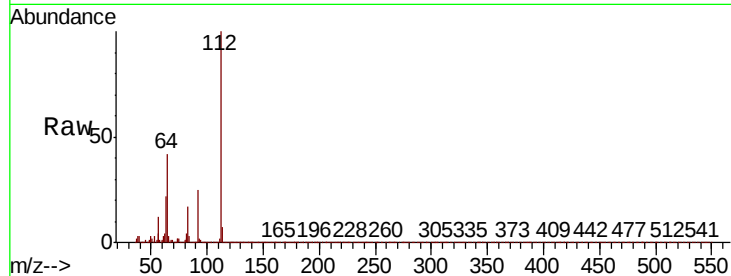
ClientSampleId :

SOIL-PILEMSD

Tot Ion:	112	Resp:	1769967
Ion Ratio	Lower	Upper	
112	100		
64	41.8	34.2	51.4
63	21.9	17.9	26.9

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#6

Aniline

Concen: 26.635 ng

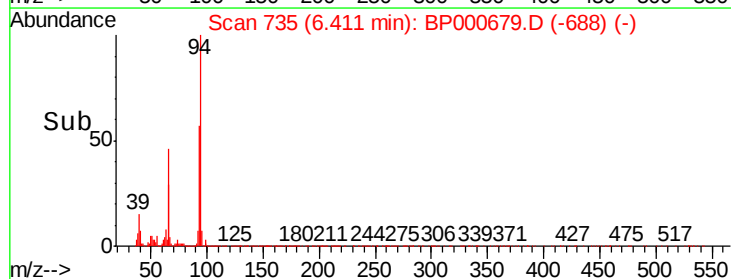
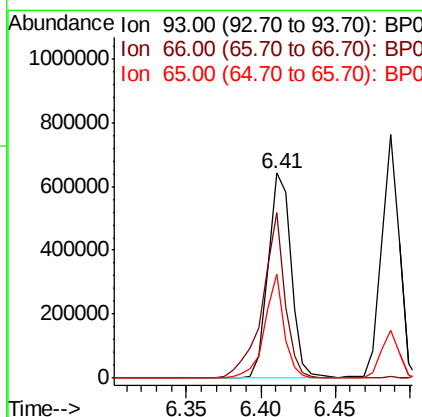
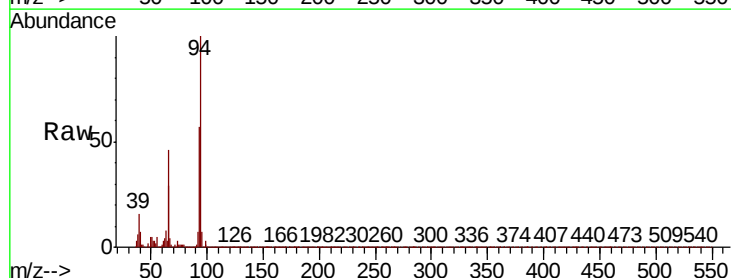
RT: 6.41 min Scan# 735

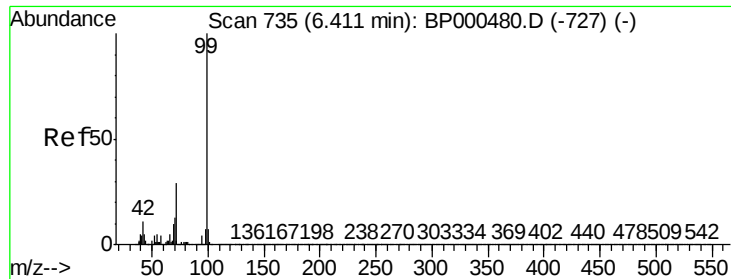
Delta R.T. -0.02 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

Tgt Ion:	93	Resp:	680617
Ion Ratio	Lower	Upper	
93	100		
66	80.8	26.3	39.5#
65	50.9	13.2	19.8#





#7

Phenol-d6

Concen: 107.620 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

Instrument :

BNA_P

ClientSampleId :

SOIL-PILEMSD

Tot Ion: 99 Resp: 2263666

Ion Ratio Lower Upper

99 100

42 10.6 8.6 12.8

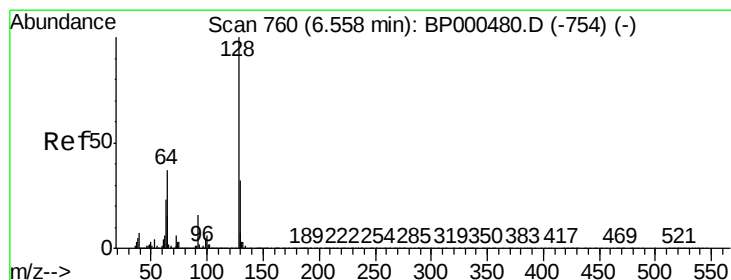
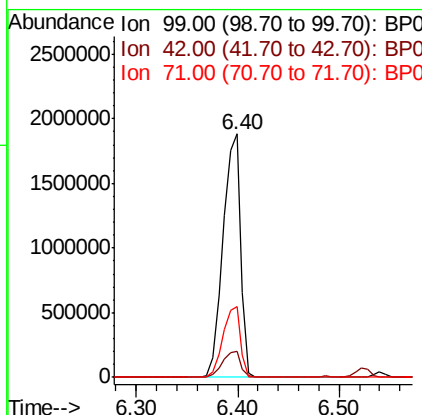
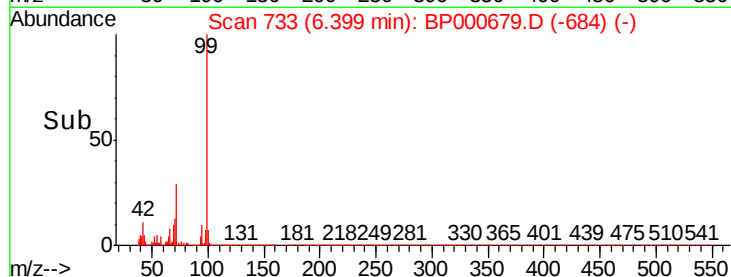
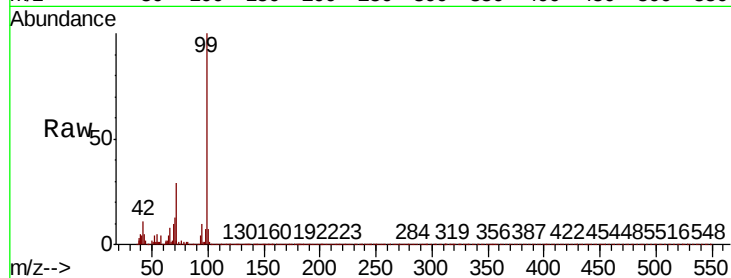
71 29.2 23.0 34.4

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#8

2-Chlorophenol

Concen: 37.462 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.02 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

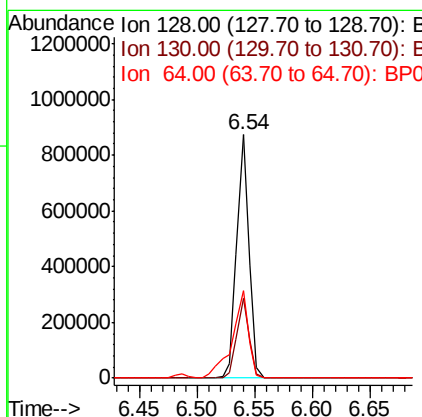
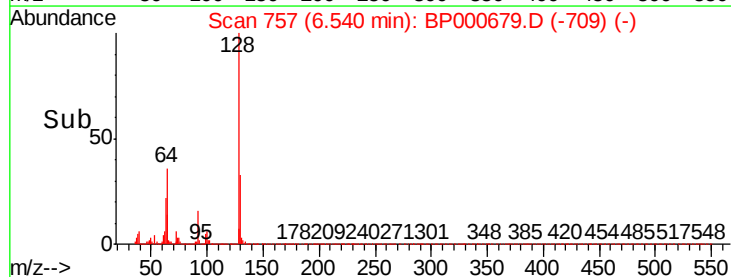
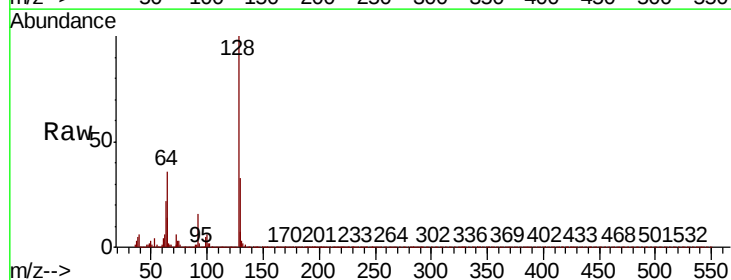
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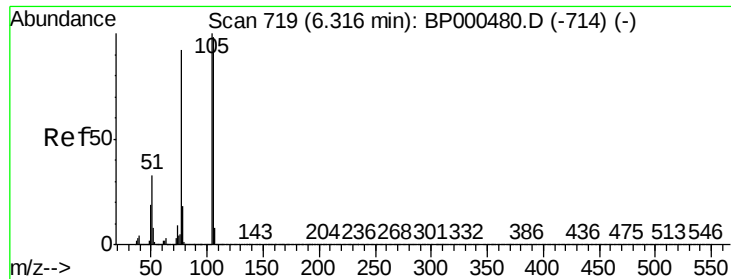
Ion Ratio Lower Upper

128 100

130 32.7 12.2 52.2

64 35.7 17.2 57.2





#9

Benzaldehyde

Concen: 31.907 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

Instrument :

BNA_P

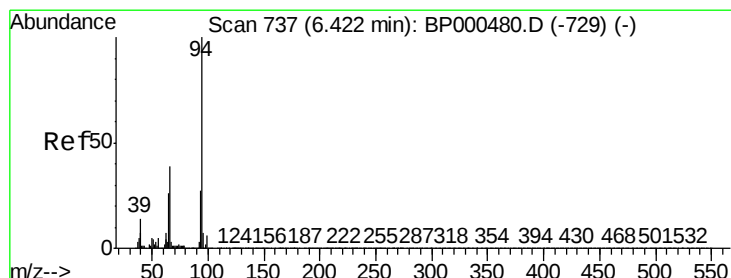
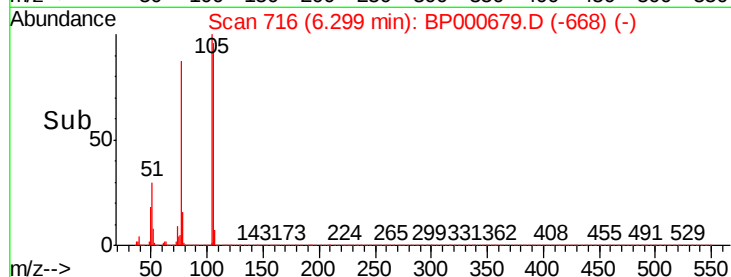
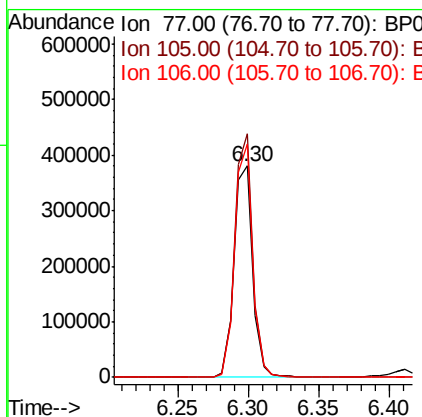
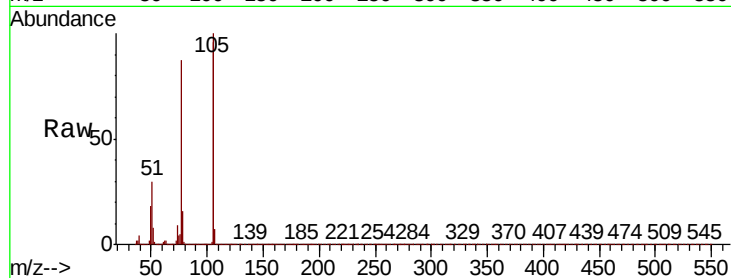
ClientSampleId :

SOIL-PILEMSD

Tot Ion:	77	Resp:	349576
Ion	Ratio	Lower	Upper
77	100		
105	115.2	88.3	128.3
106	110.2	85.7	125.7

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#10

Phenol

Concen: 38.350 ng

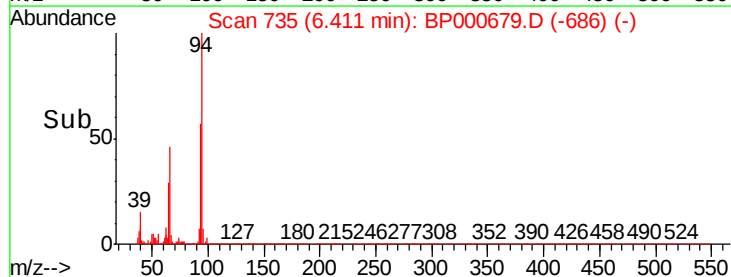
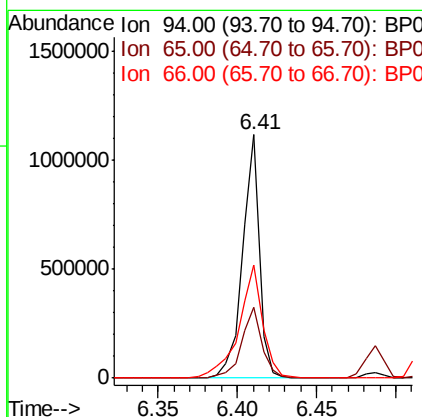
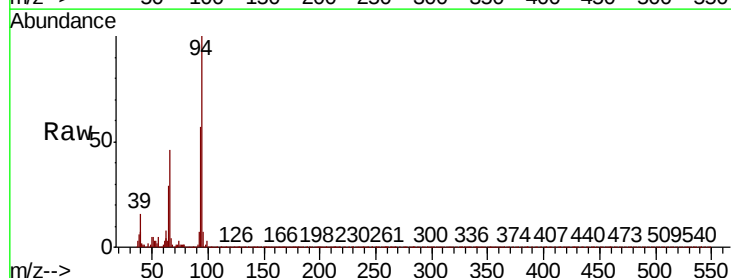
RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

Tgt Ion:	94	Resp:	825897
Ion	Ratio	Lower	Upper
94	100		
65	29.3	5.9	45.9
66	46.4	18.8	58.8





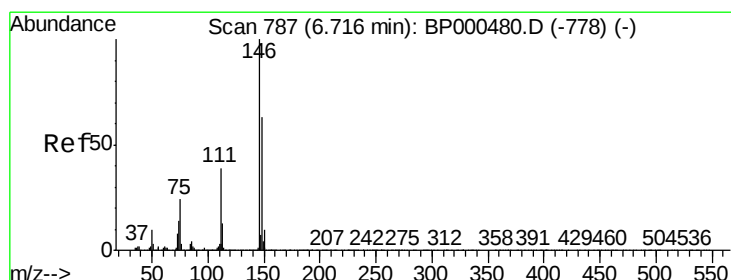
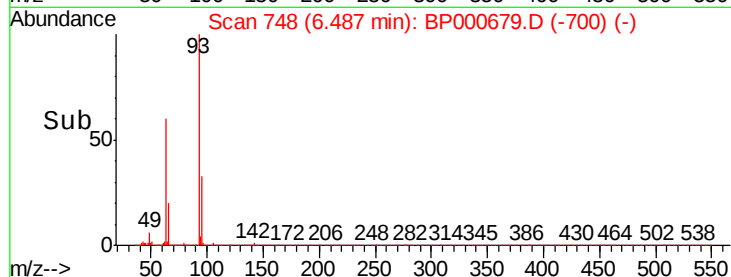
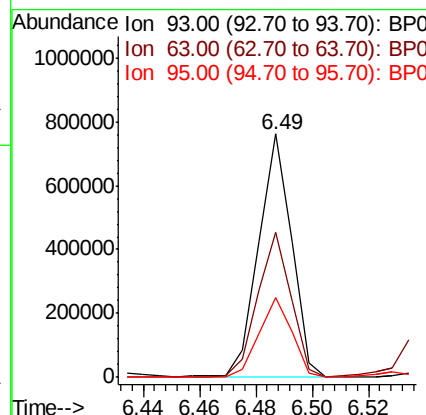
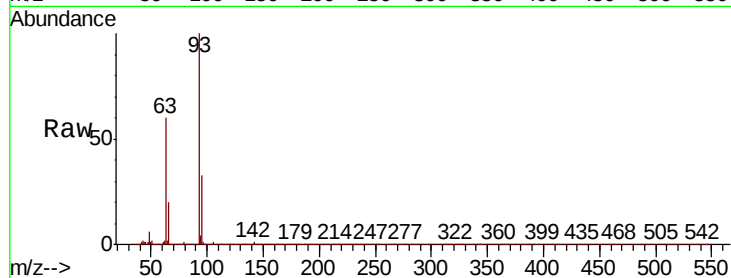
#11
bis(2-Chloroethyl)ether
Concen: 37.051 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Resp Lower	Upper
93	100		
63	59.8	41.1	81.1
95	32.8	12.2	52.2

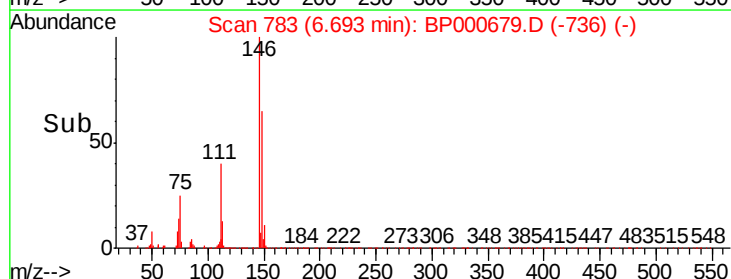
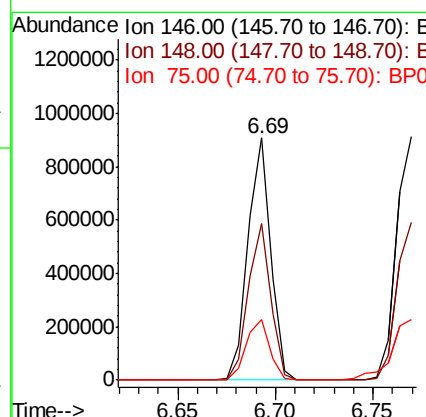
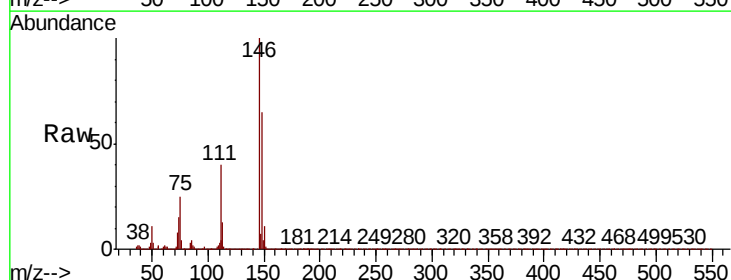
Manual Integrations
APPROVED

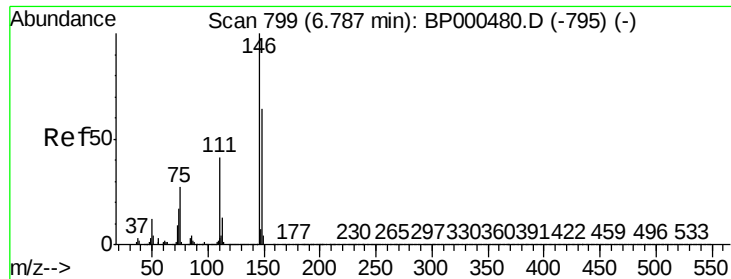
mohammad
10/16/2019 8:08:01 AM



#12
1,3-Dichlorobenzene
Concen: 35.043 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
148	64.8	50.7	76.1
75	25.2	19.1	28.7





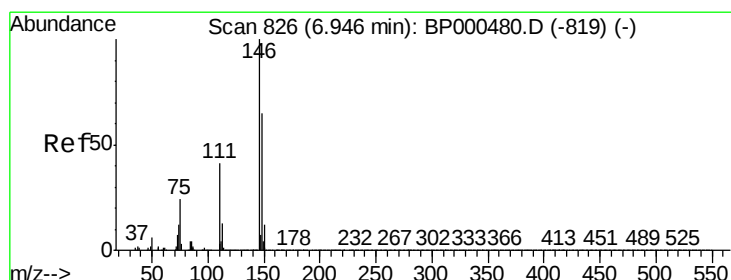
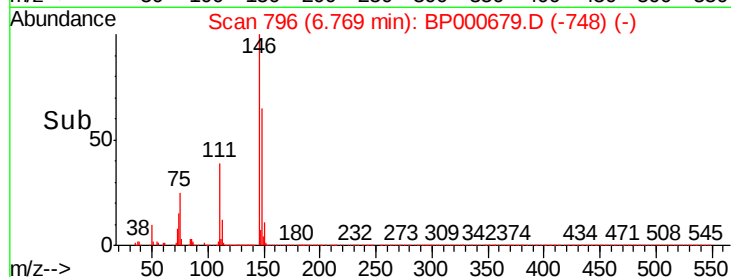
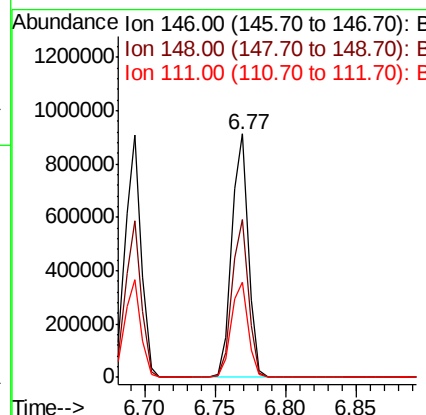
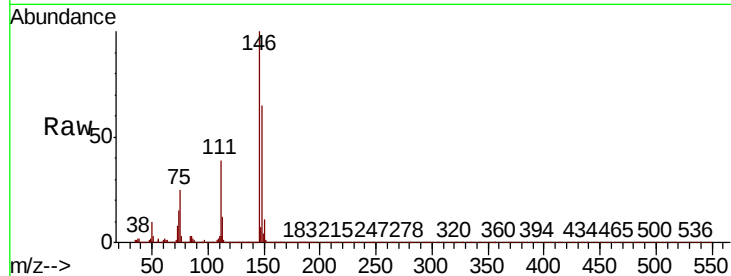
#13
1,4-Dichlorobenzene
Concen: 35.356 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.1	76.7
111	39.1	33.0	49.4

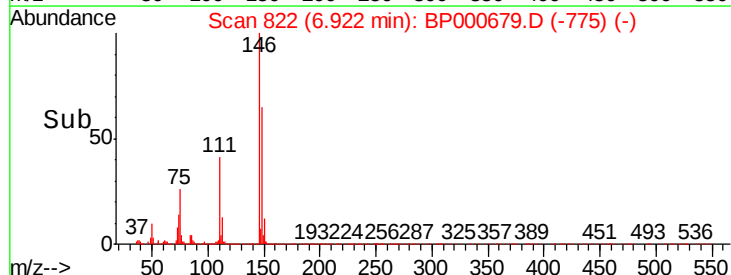
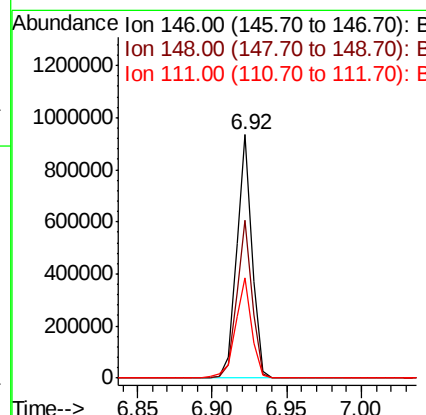
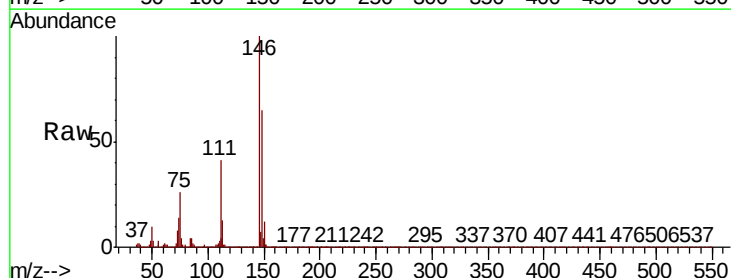
Manual Integrations
APPROVED

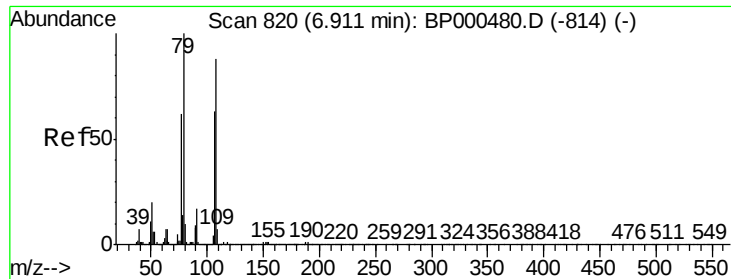
mohammad
10/16/2019 8:08:01 AM



#14
1,2-Dichlorobenzene
Concen: 35.324 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.8	77.6
111	41.4	32.8	49.2





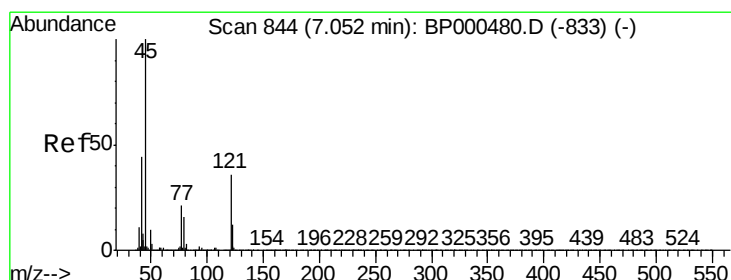
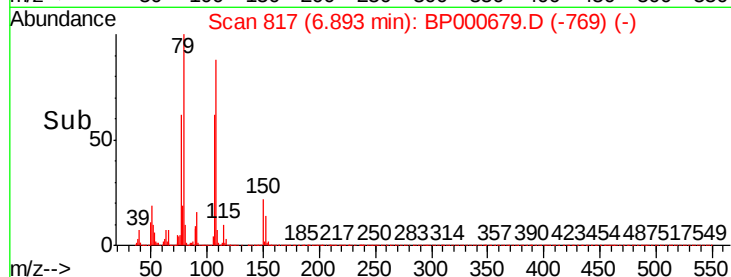
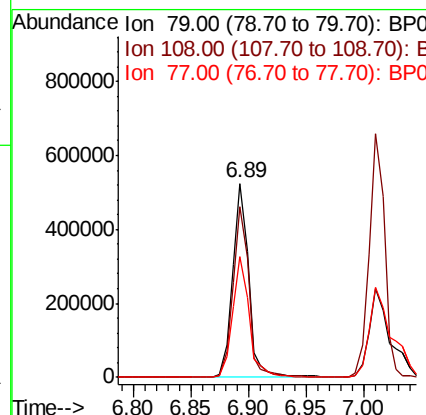
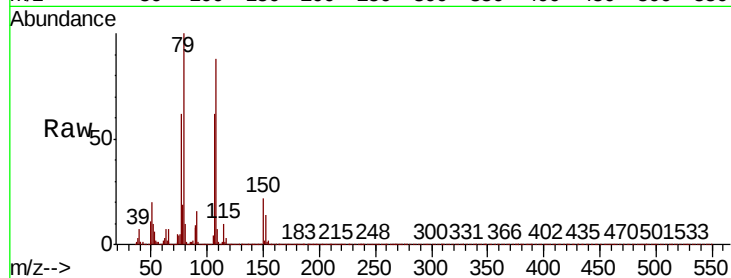
#15
Benzyl Alcohol
Concen: 36.927 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	87.7	70.8	106.2
77	62.4	50.0	75.0

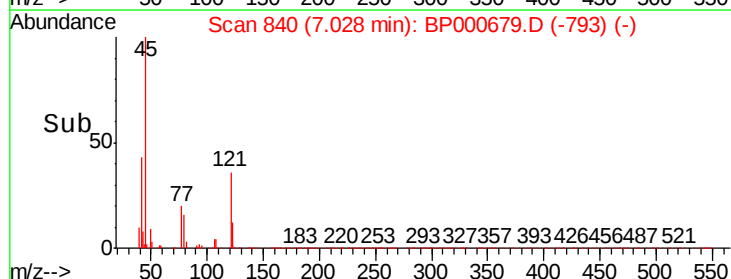
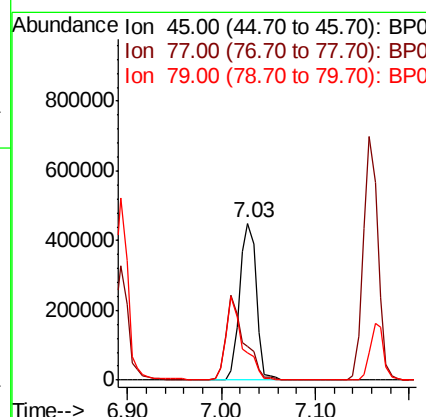
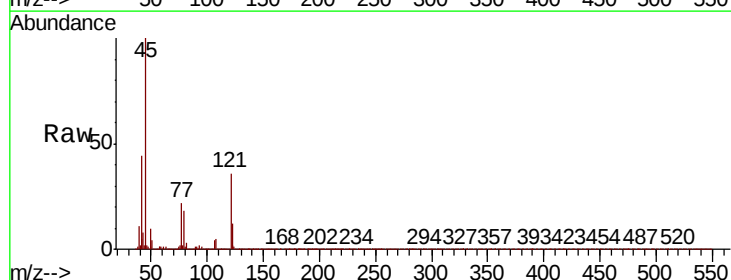
Manual Integrations
APPROVED

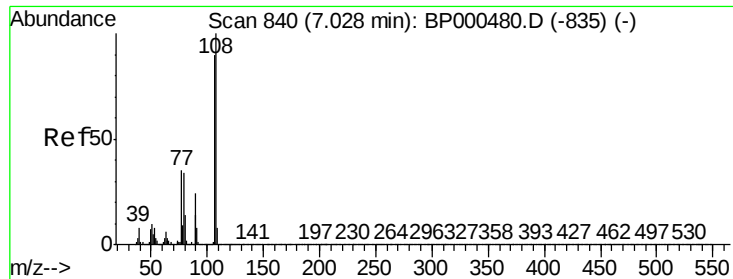
mohammad
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.123 ng
RT: 7.03 min Scan# 840
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Lower	Upper
45	100		
77	21.8	1.1	41.1
79	17.5	0.0	36.8





#17

2-Methylphenol

Concen: 37.786 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.02 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

Instrument :

BNA_P

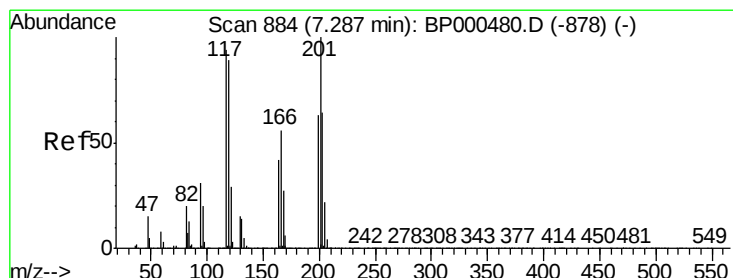
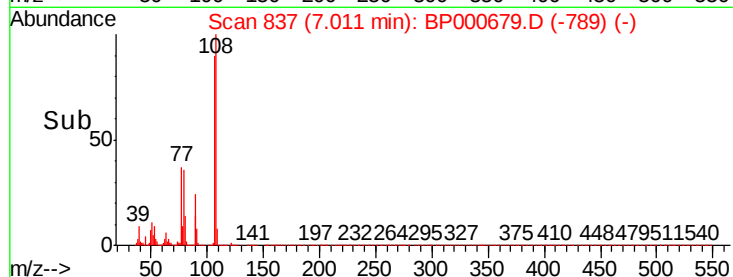
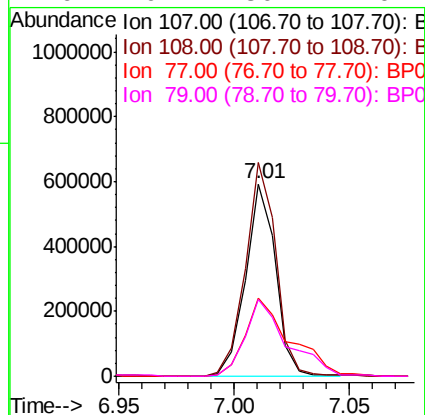
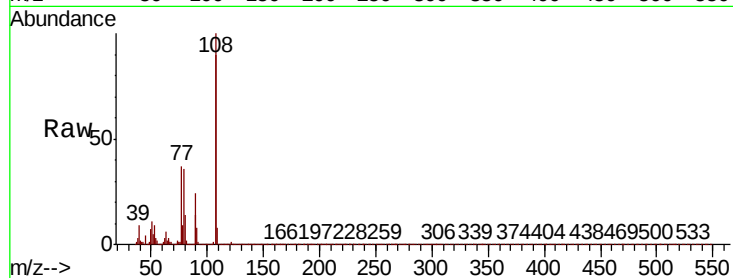
ClientSampleId :

SOIL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	110.9	89.0	133.4	
77	40.8	31.2	46.8	
79	40.2	30.7	46.1	

Manual Integrations
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#18

Hexachloroethane

Concen: 34.476 ng

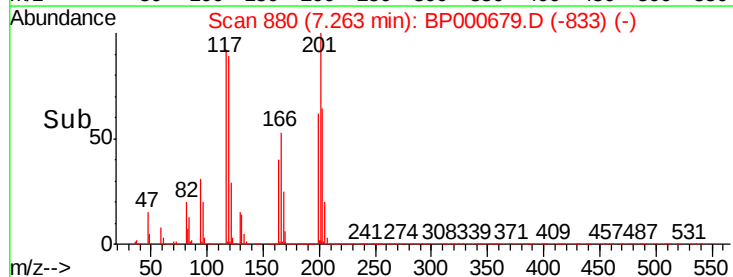
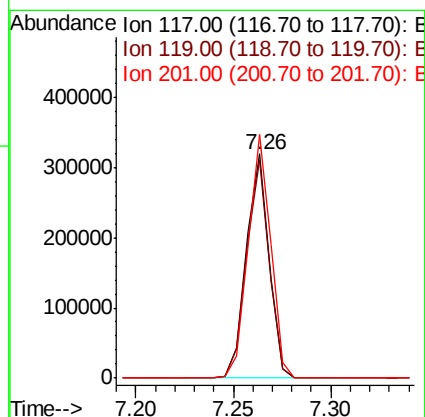
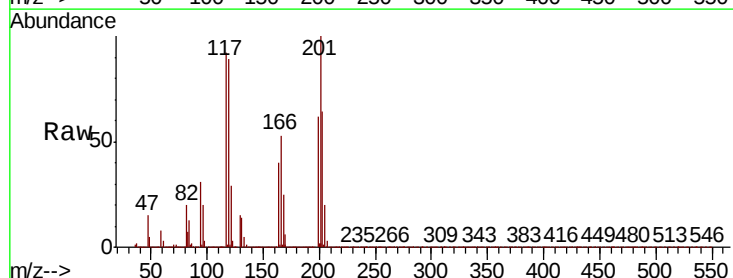
RT: 7.26 min Scan# 880

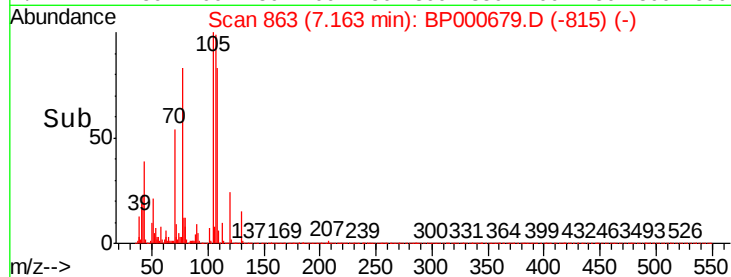
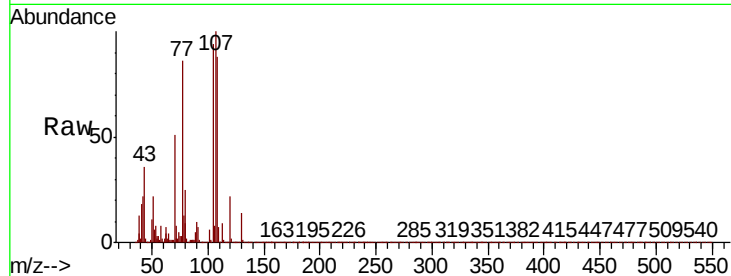
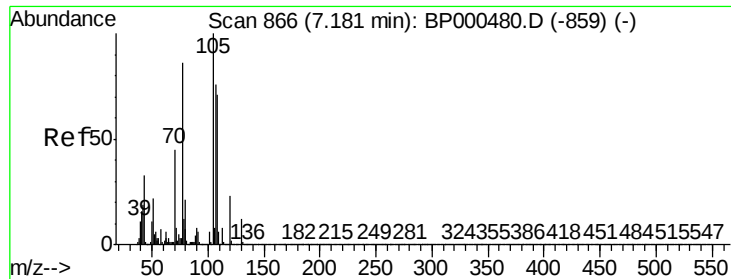
Delta R.T. -0.02 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.0	76.3	114.5	
201	108.6	85.4	128.0	





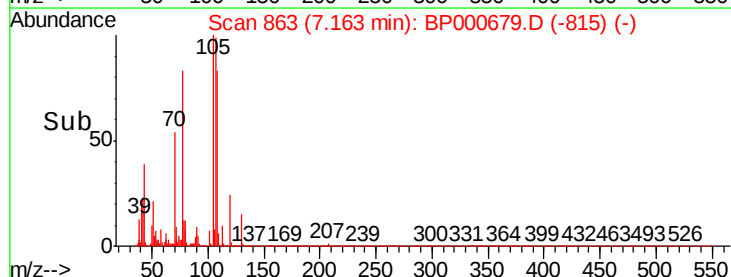
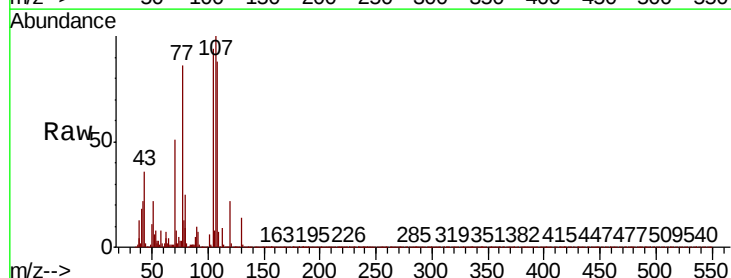
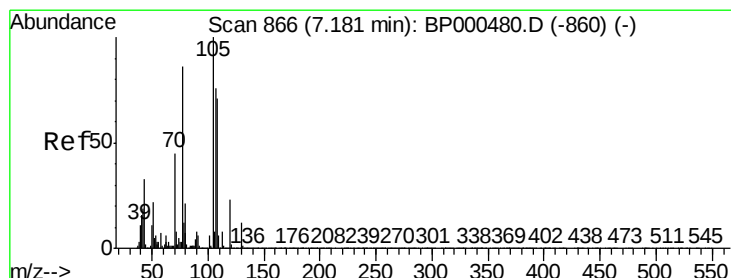
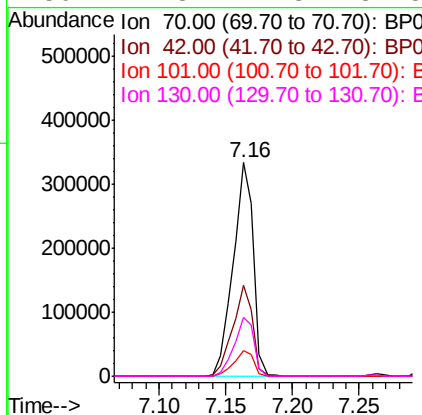
#19
n-Nitroso-di-n-propylamine
Concen: 36.495 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	42.5	33.2	49.8		
101	12.3	9.9	14.9		
130	27.3	21.8	32.8		

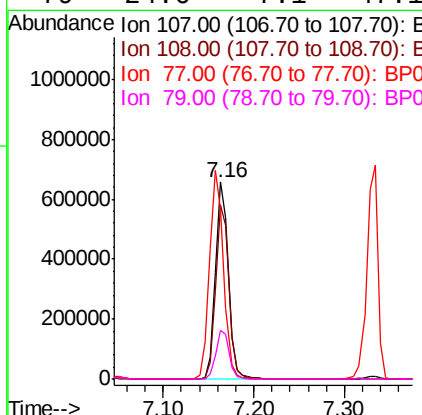
Manual Integrations
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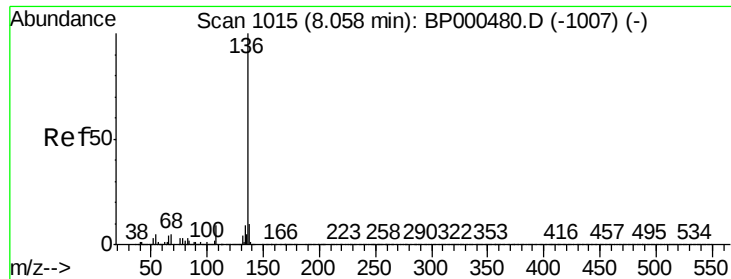
mohammad
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#20
3+4-Methylphenols
Concen: 38.733 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	88.3	72.6	112.6		
77	86.2	93.3	133.3#		
79	24.6	7.1	47.1		





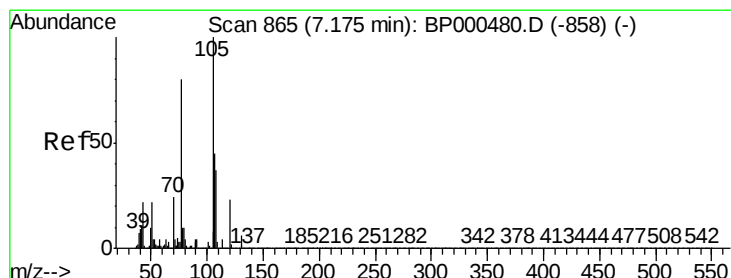
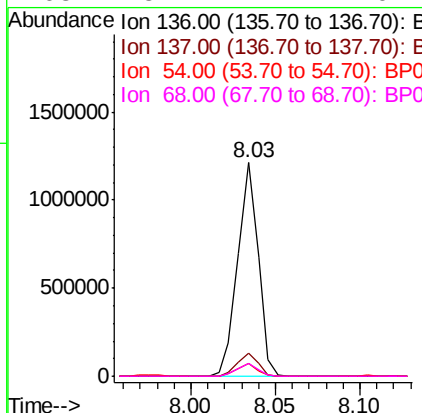
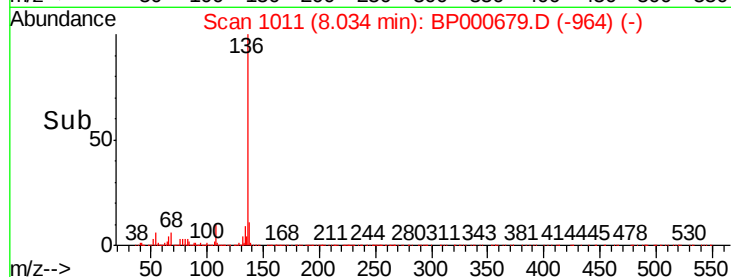
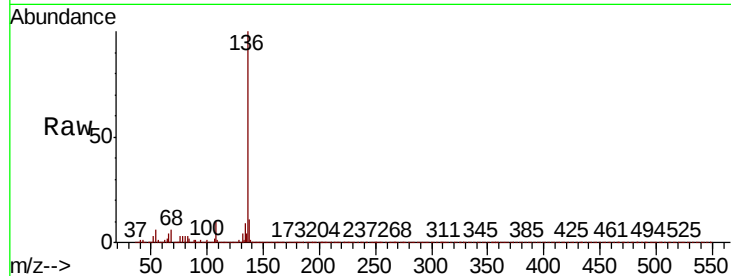
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.4
54	5.7	4.1	6.1
68	5.7	4.1	6.1

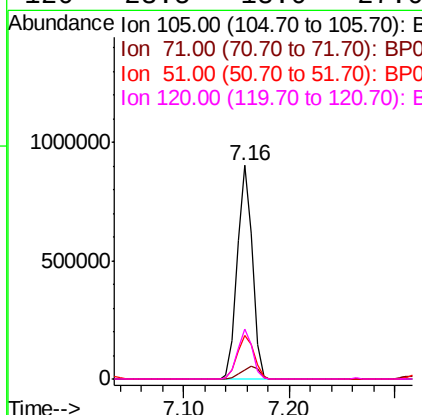
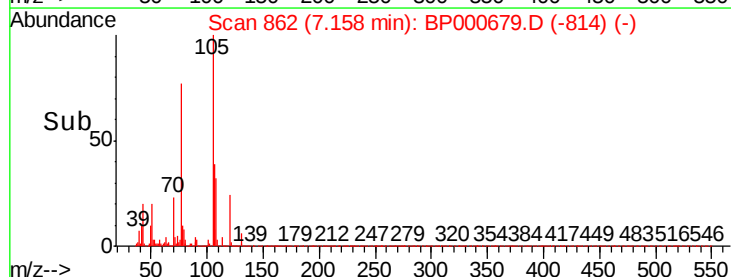
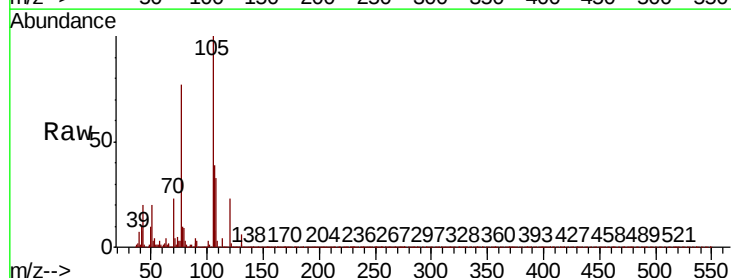
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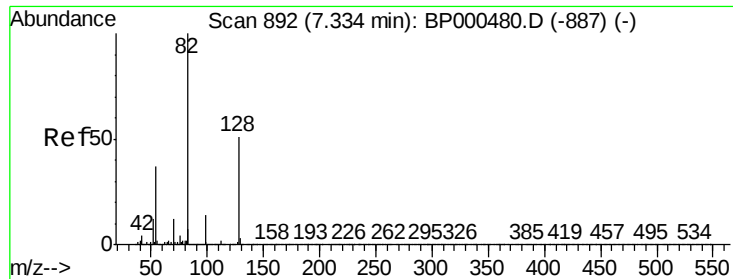
mohammad
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#22
Acetophenone
Concen: 36.440 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Lower	Upper
105	100		
71	4.0	3.3	4.9
51	20.5	17.4	26.2
120	23.5	18.0	27.0





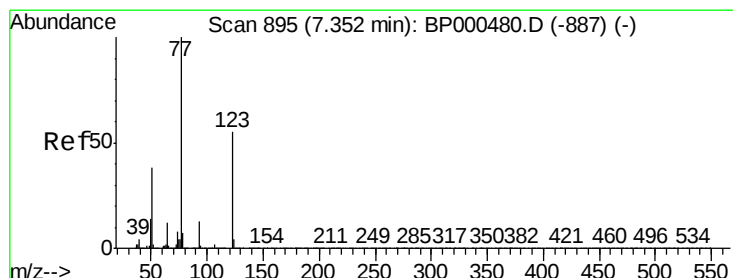
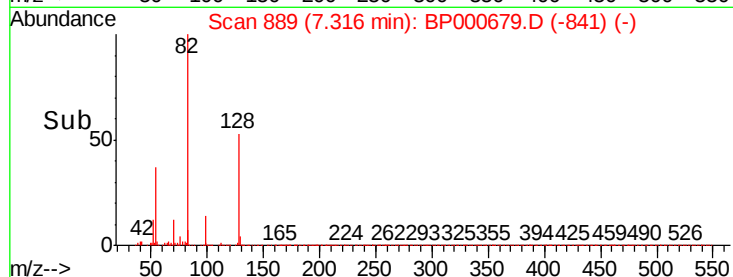
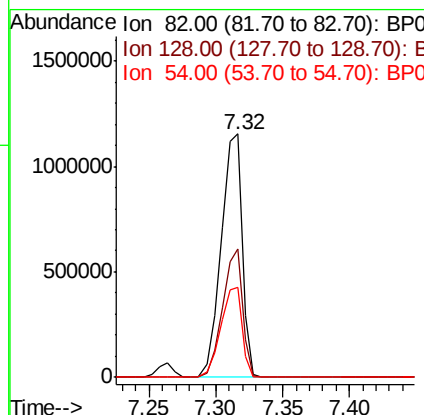
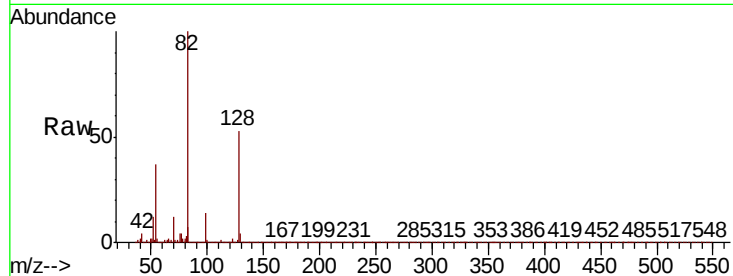
#23
Nitrobenzene-d5
Concen: 76.632 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	52.6	40.9	61.3
54	36.8	29.4	44.2

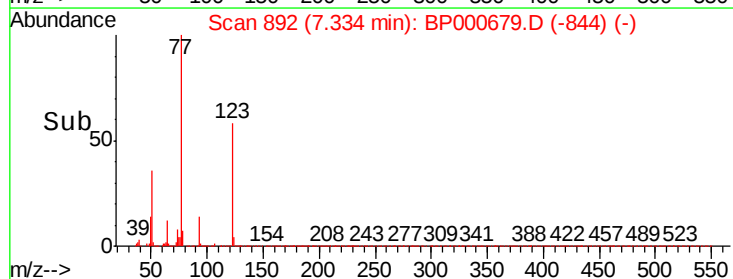
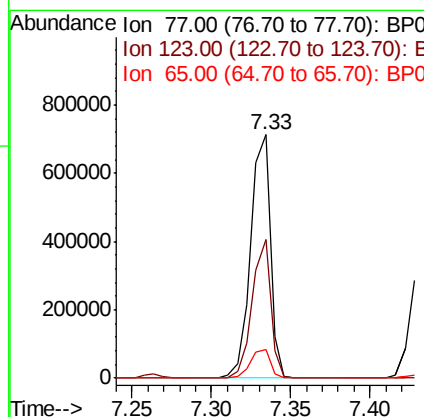
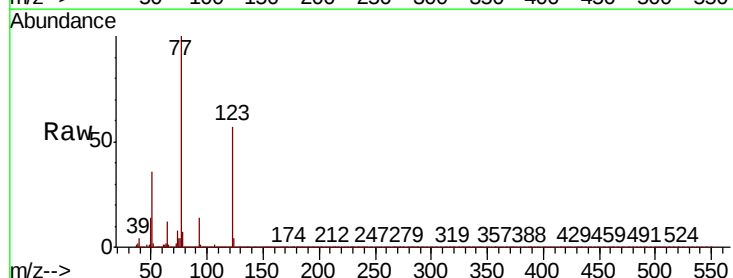
Manual Integrations
APPROVED

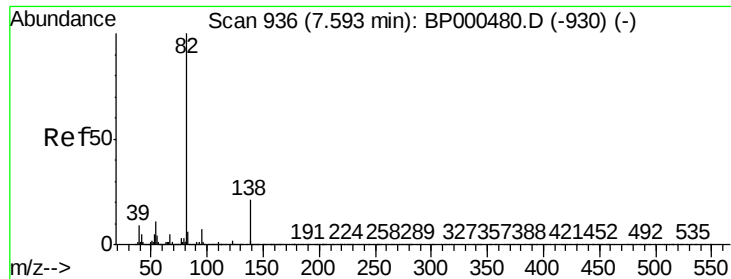
mohammad
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#24
Nitrobenzene
Concen: 37.992 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Lower	Upper
77	100		
123	57.2	44.1	66.1
65	11.8	9.7	14.5





#25

Isophorone

Concen: 38.287 ng

RT: 7.58 min Scan# 933

Delta R.T. -0.02 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

Instrument :

BNA_P

ClientSampled :

SOIL-PILEMSD

Tot Ion: 82 Resp: 1141080

Ion Ratio Lower Upper

82 100

95 7.5 5.8 8.6

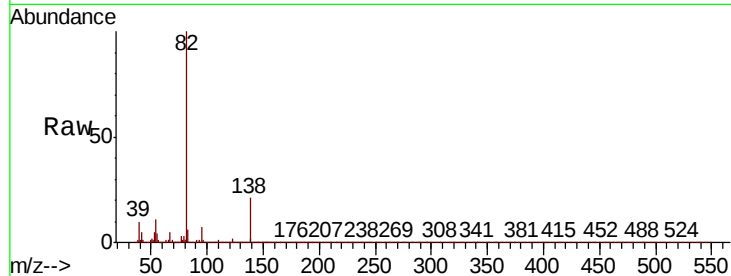
138 21.3 17.0 25.4

Manual Integrations

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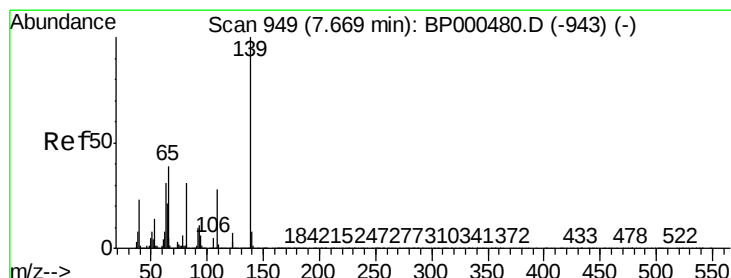
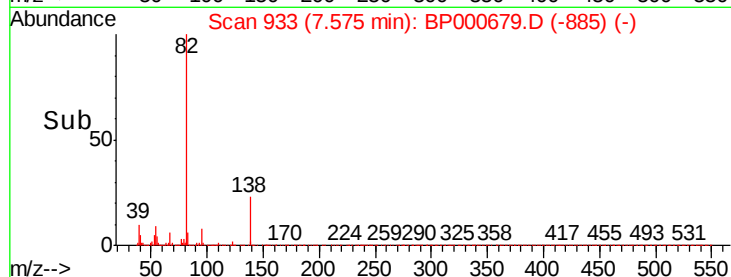
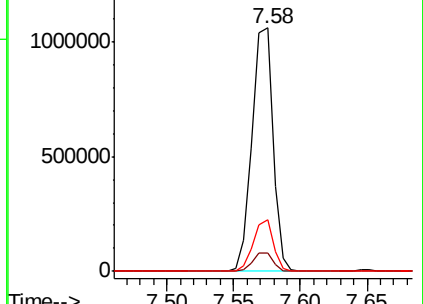
10/16/2019 8:08:01 AM



Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 95.00 (94.70 to 95.70): BP0

Ion 138.00 (137.70 to 138.70): E



#26

2-Nitrophenol

Concen: 41.099 ng

RT: 7.65 min Scan# 946

Delta R.T. -0.02 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

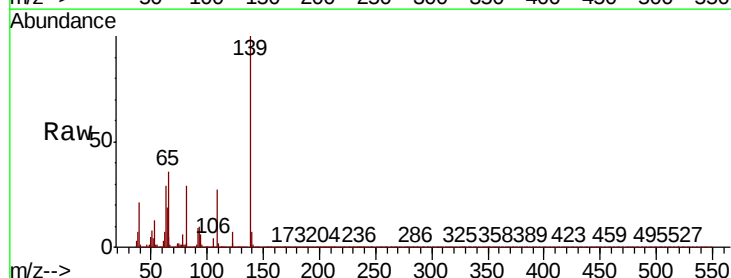
Tgt Ion:139 Resp: 350046

Ion Ratio Lower Upper

139 100

109 27.1 22.8 34.2

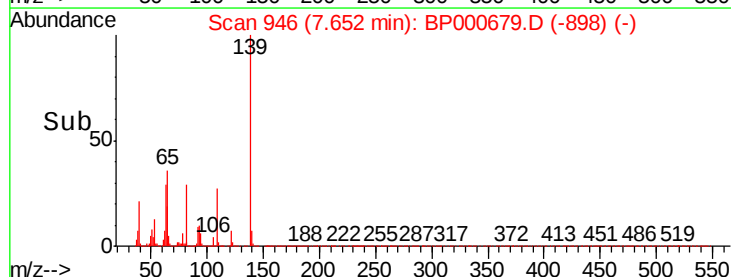
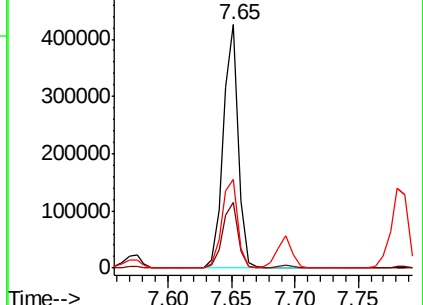
65 36.5 31.5 47.3

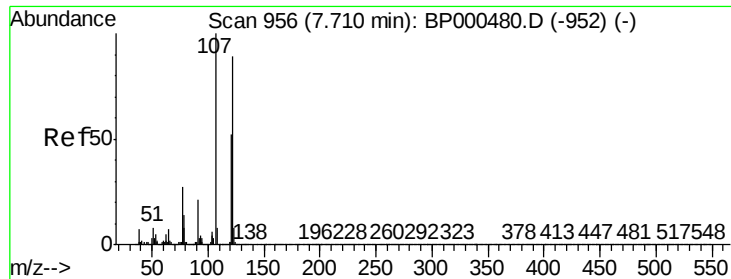


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BP0





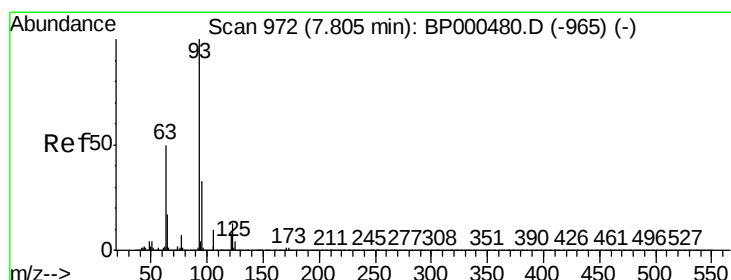
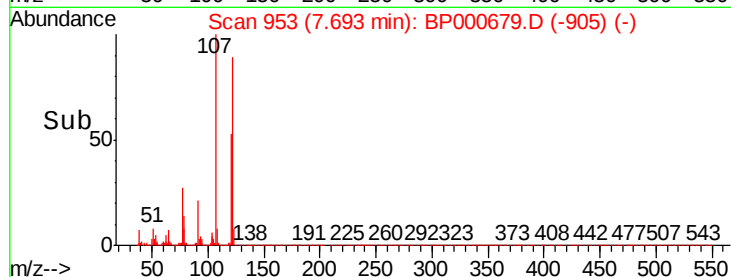
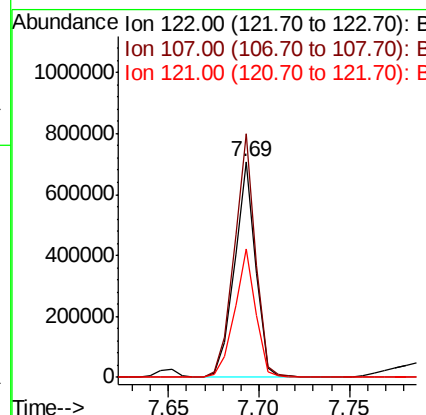
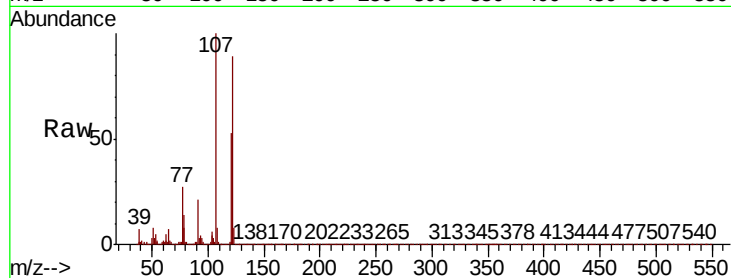
#27
2,4-Dimethylphenol
Concen: 44.017 ng
RT: 7.69 min Scan# 953
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampled :
SOIL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	574674		
107	112.9	89.9	134.9	
121	59.3	46.6	70.0	

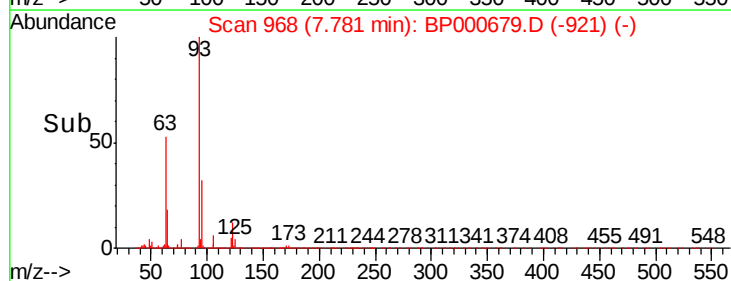
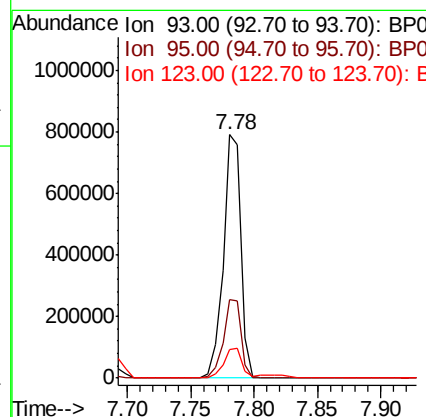
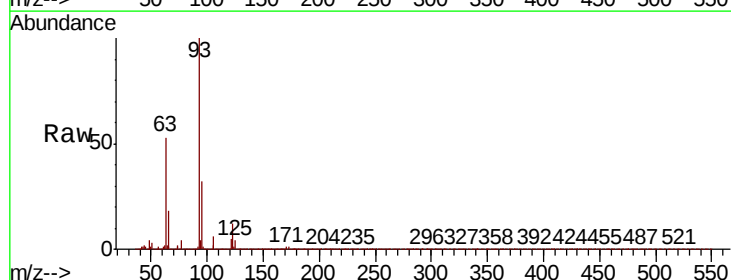
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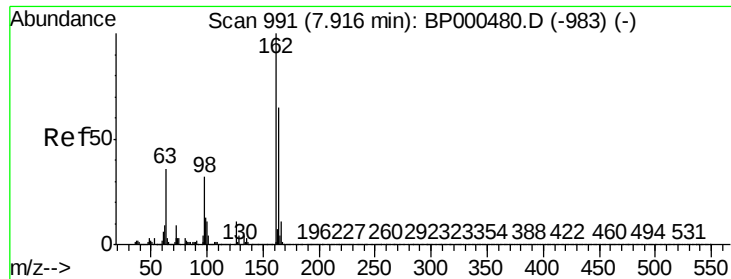
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#28
bis(2-Chloroethoxy)methane
Concen: 37.627 ng
RT: 7.78 min Scan# 968
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	762089		
95	32.3	26.2	39.2	
123	11.8	10.2	15.2	





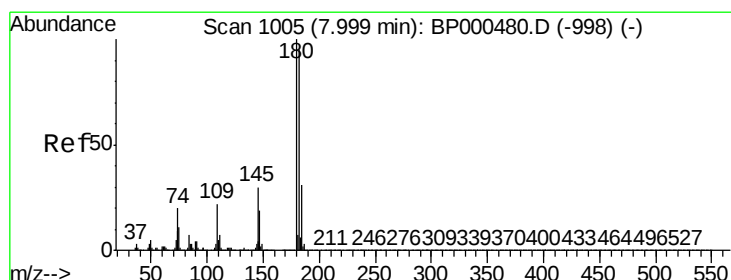
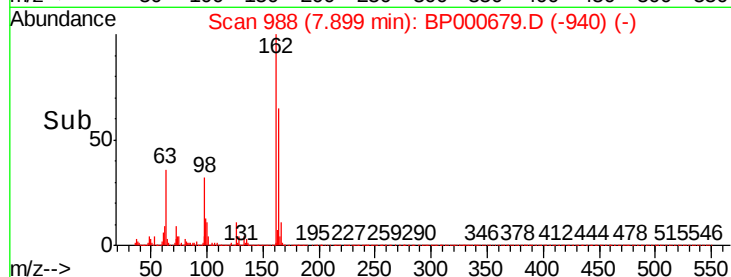
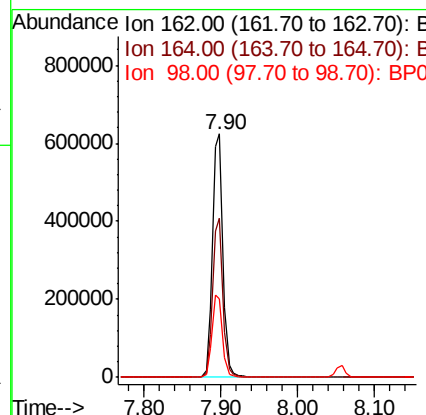
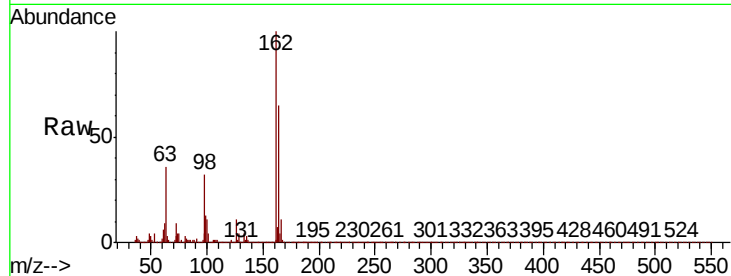
#29
2,4-Dichlorophenol
Concen: 39.525 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100				
164	65.5	44.6	84.6		
98	32.2	11.6	51.6		

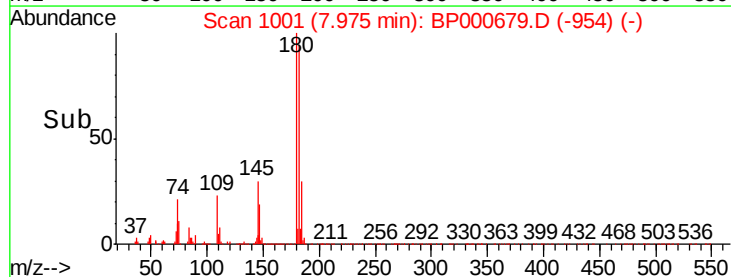
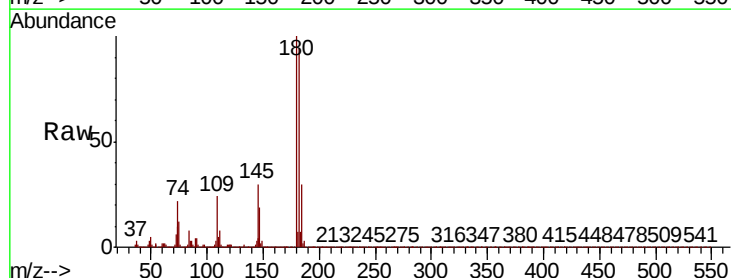
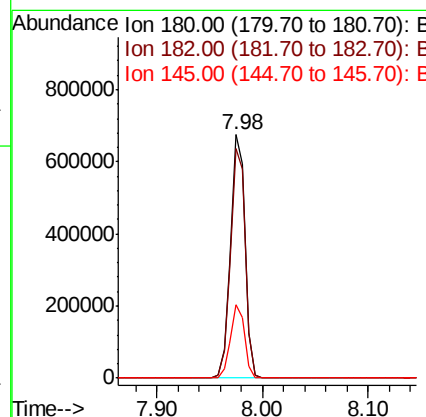
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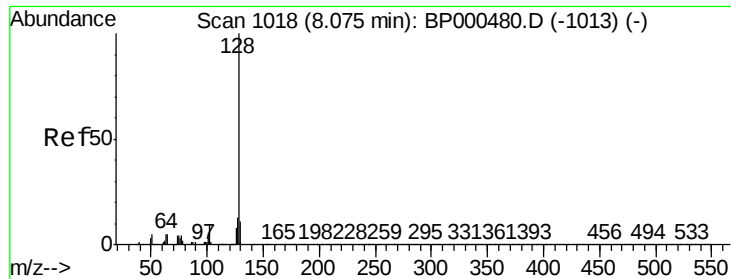
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#30
1,2,4-Trichlorobenzene
Concen: 36.797 ng
RT: 7.98 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	94.1	76.2	114.4		
145	30.2	23.6	35.4		





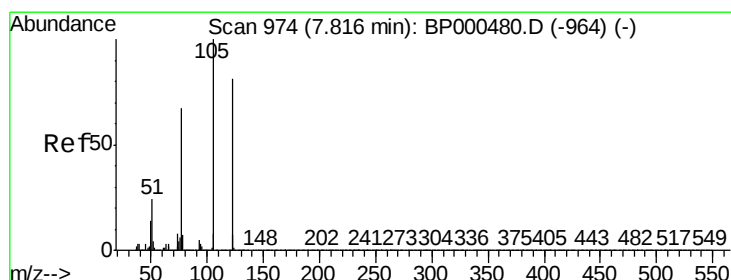
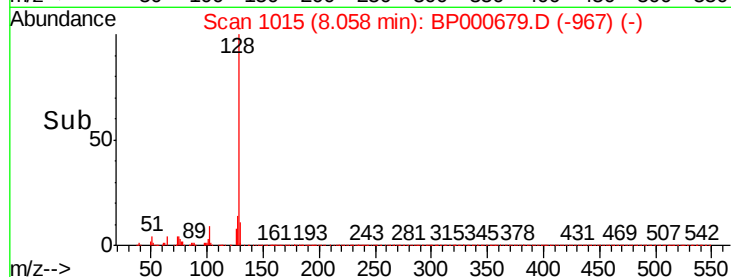
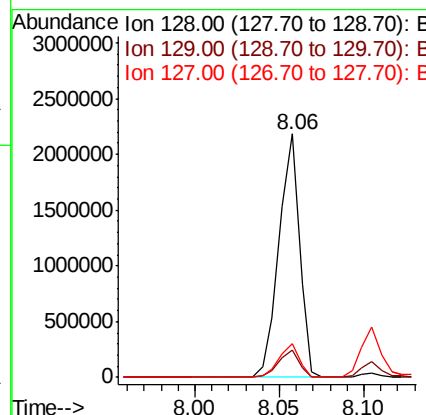
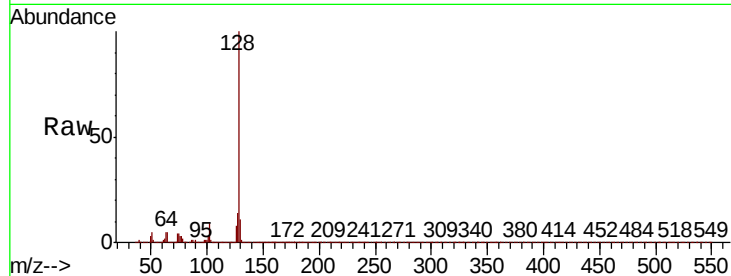
#31
Naphthalene
Concen: 38.621 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.6	10.5	15.7

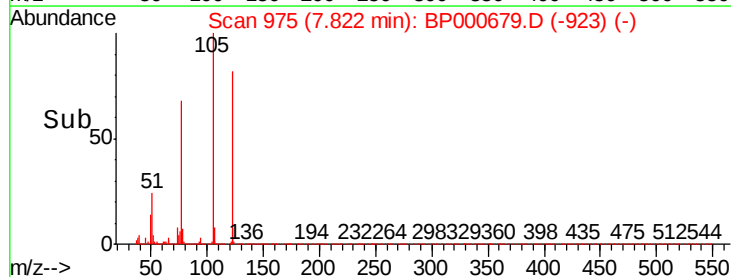
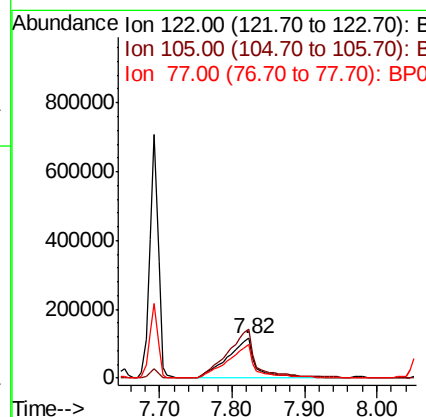
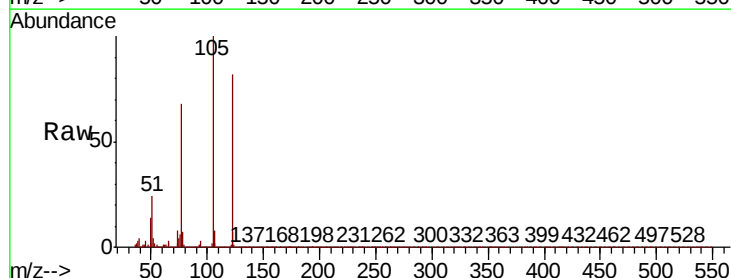
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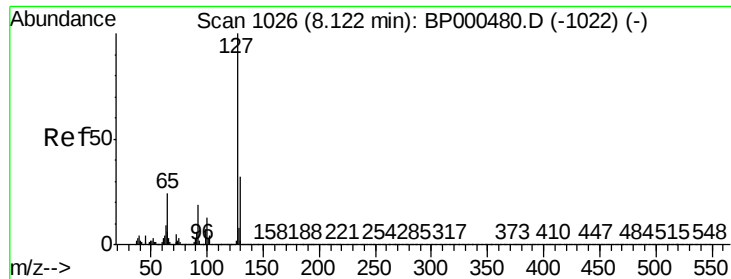
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#32
Benzoic acid
Concen: 37.347 ng
RT: 7.82 min Scan# 975
Delta R.T. 0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Lower	Upper
122	100		
105	122.5	101.4	141.4
77	83.4	62.1	102.1





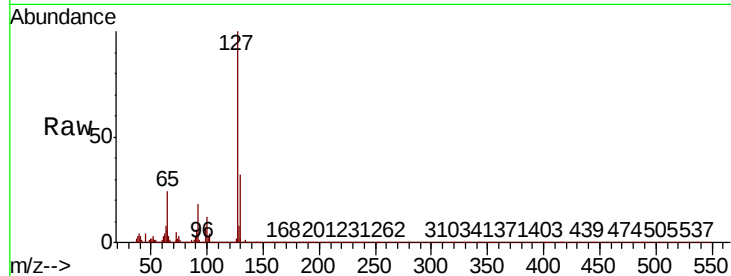
#33
4-Chloroaniline
Concen: 19.583 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

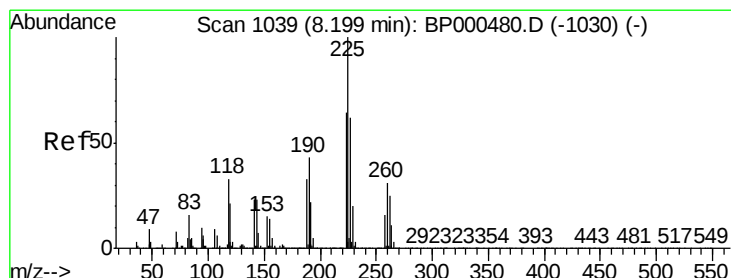
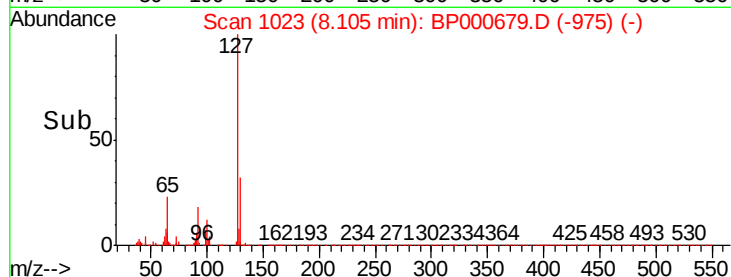
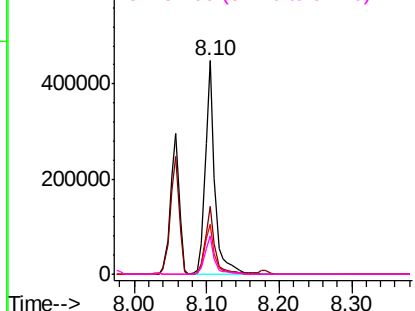
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		411848		
129	31.9	25.6	38.4		
65	23.6	19.2	28.8		
92	17.8	14.9	22.3		

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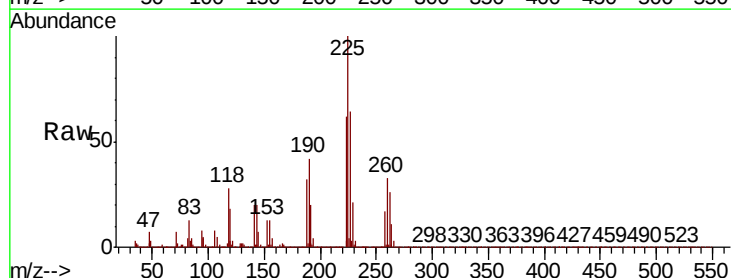


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BP0
Ion 92.00 (91.70 to 92.70): BP0

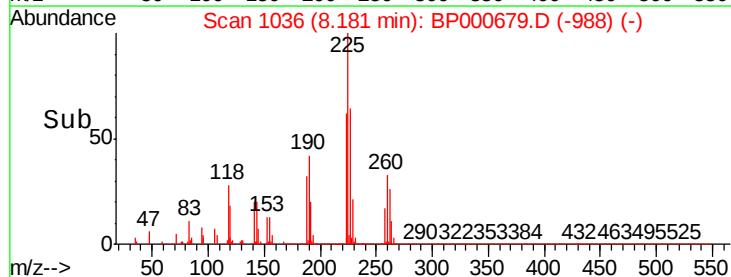
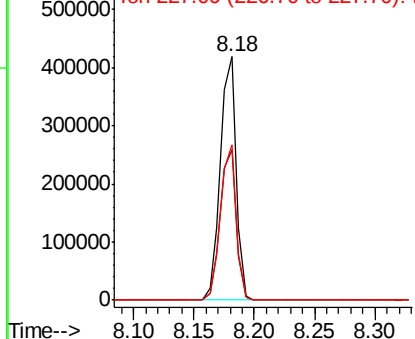


#34
Hexachlorobutadiene
Concen: 35.599 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		372984		
223	61.7	51.4	77.0		
227	63.9	49.7	74.5		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





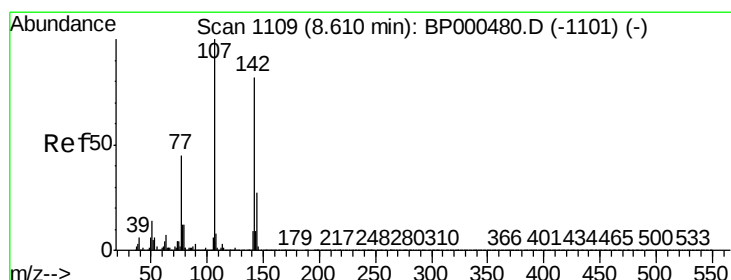
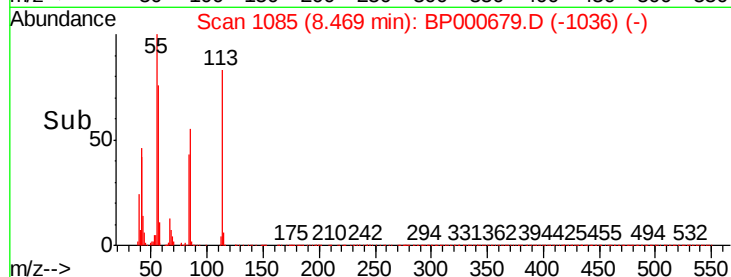
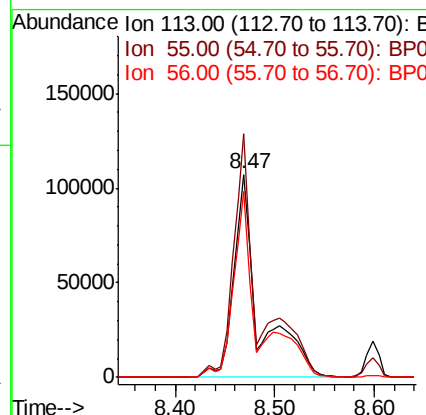
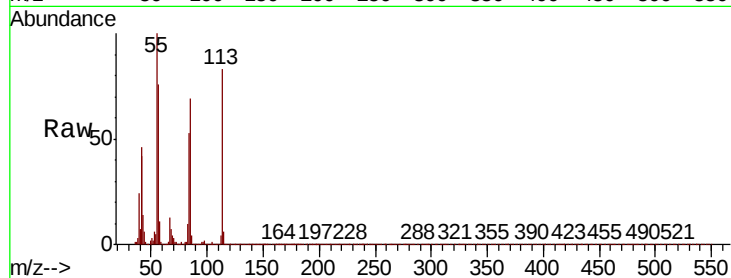
#35
Caprolactam
Concen: 38.515 ng/ml
RT: 8.47 min Scan# 1085
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100		190431		
55	120.0	95.9	135.9		
56	91.6	67.2	107.2		

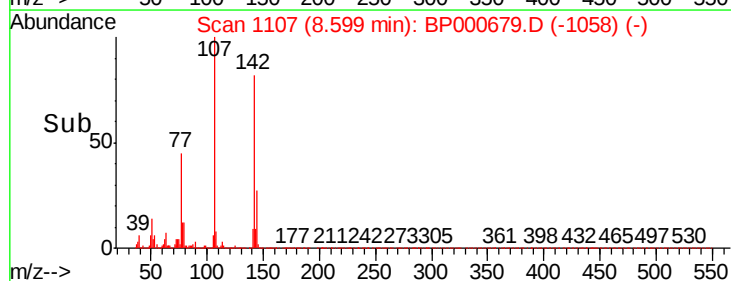
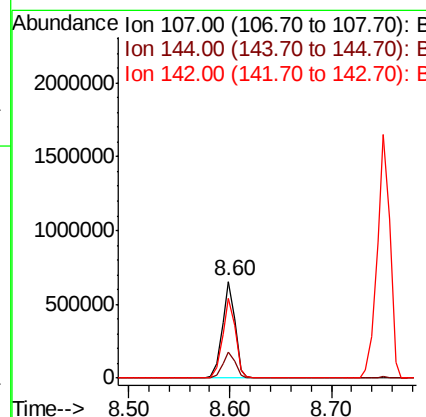
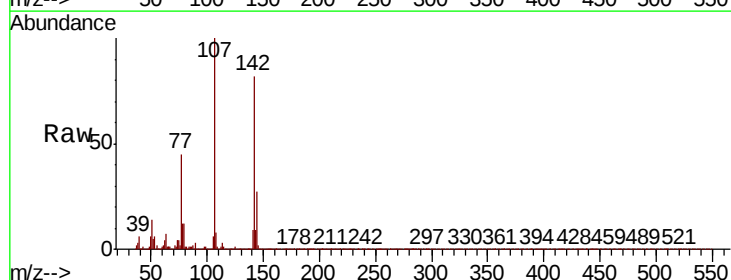
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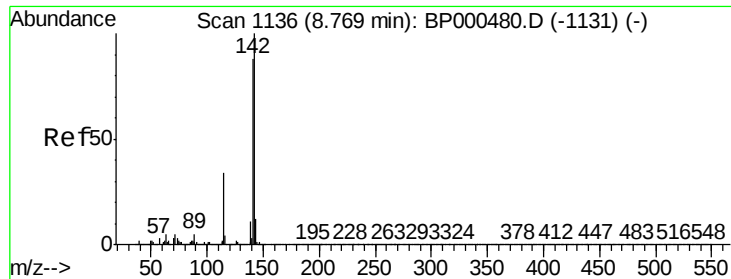
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#36
4-Chloro-3-methylphenol
Concen: 39.870 ng/ml
RT: 8.60 min Scan# 1107
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		576439		
144	27.0	21.8	32.8		
142	82.4	65.5	98.3		





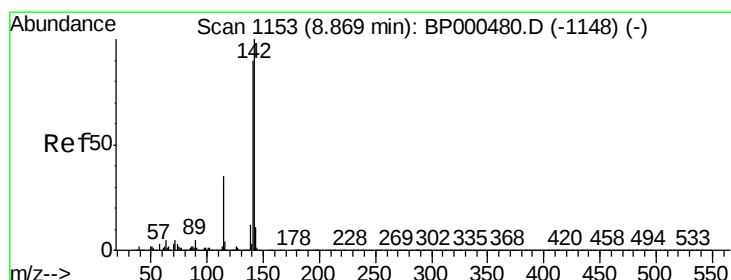
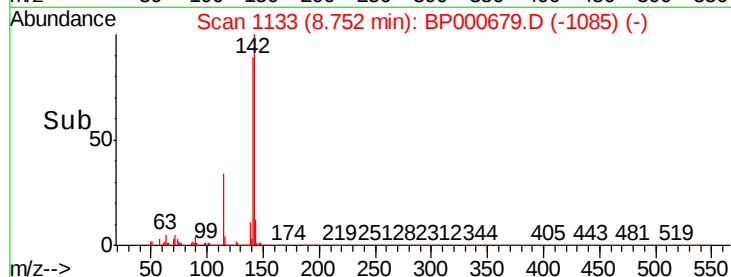
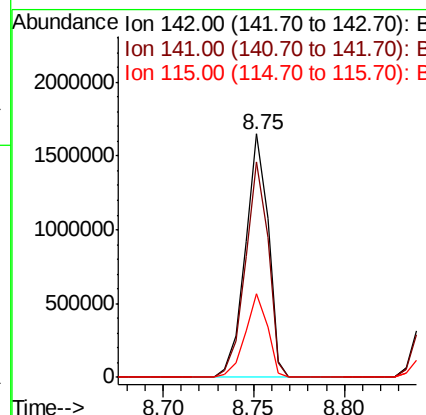
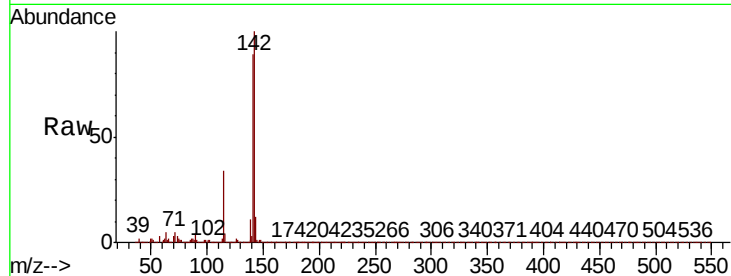
#37
2-Methylnaphthalene
Concen: 45.052 ng
RT: 8.75 min Scan# 1133
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.6	106.0
115	34.4	27.4	41.0

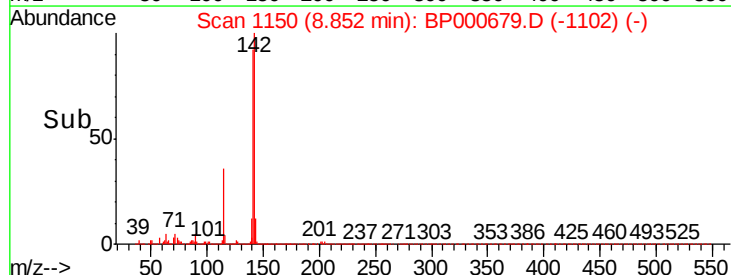
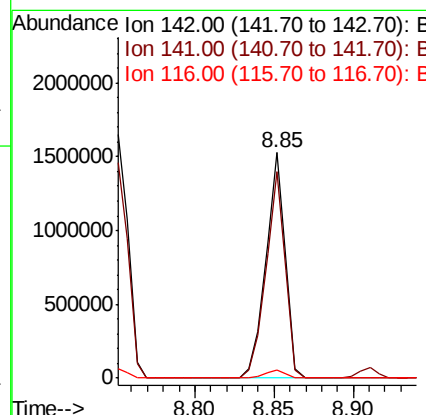
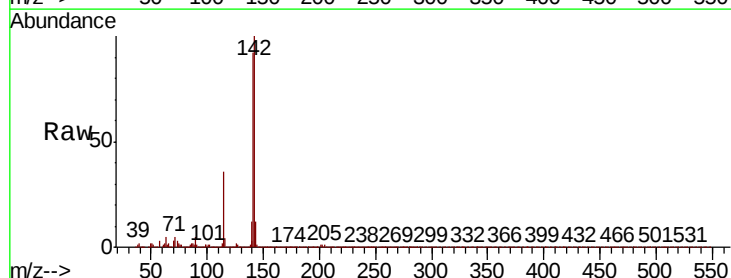
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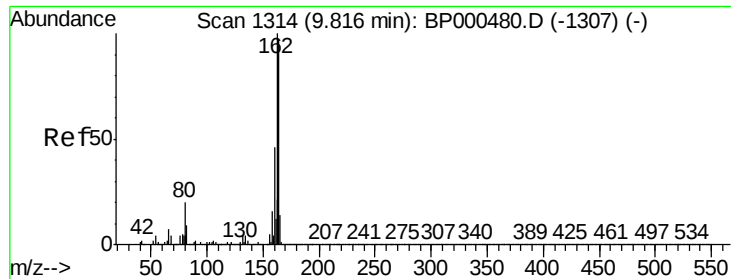
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#38
1-Methylnaphthalene
Concen: 43.024 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	71.9	107.9
116	3.8	3.0	4.4





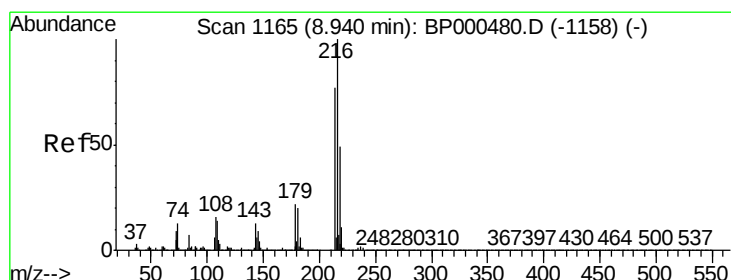
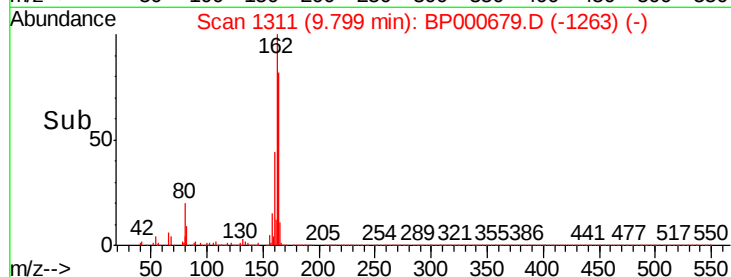
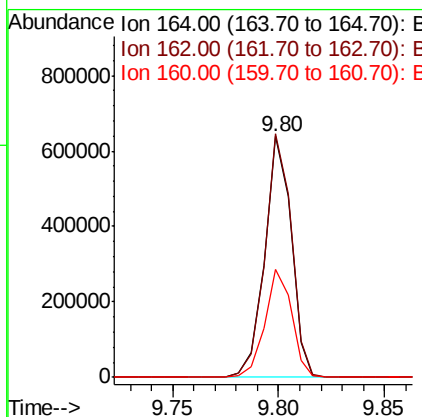
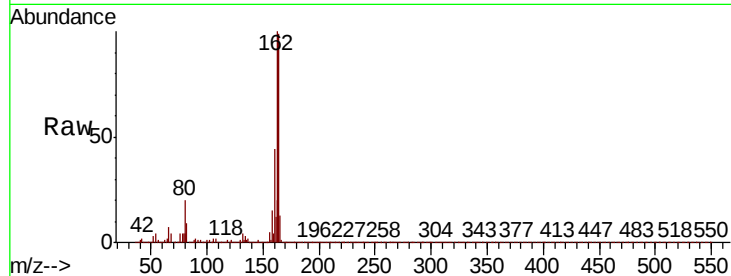
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.2	123.2
160	44.8	37.6	56.4

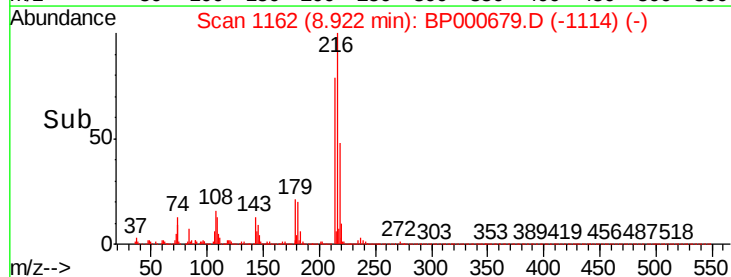
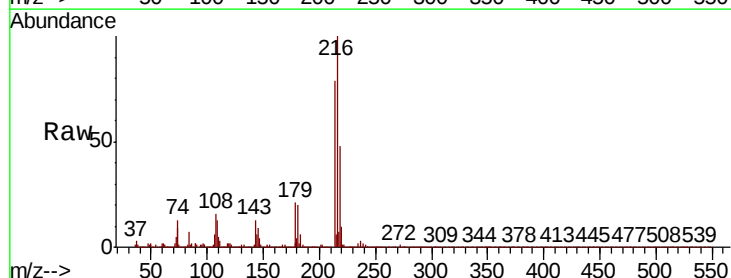
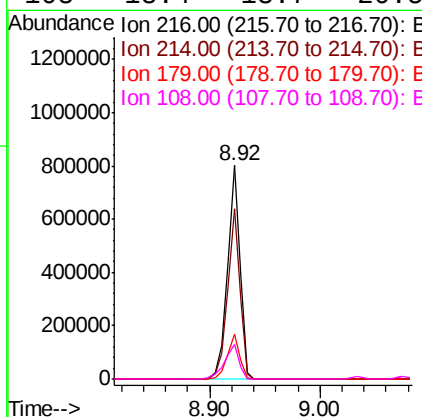
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 35.838 ng
RT: 8.92 min Scan# 1162
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.9	62.7	94.1
179	20.7	16.7	25.1
108	18.4	13.7	20.5





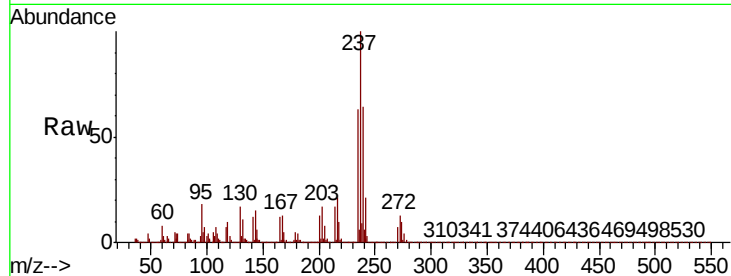
#41
Hexachlorocyclopentadiene
Concen: 65.230 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	62.7	42.9	82.9
272	13.2	0.0	32.4

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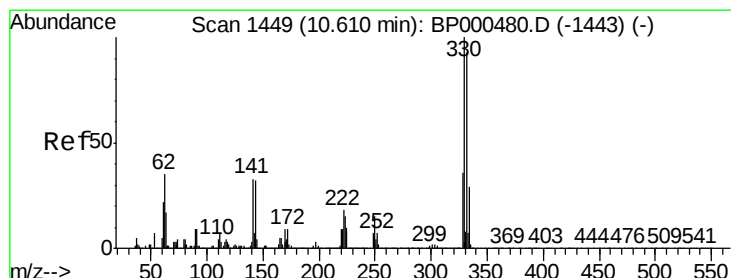
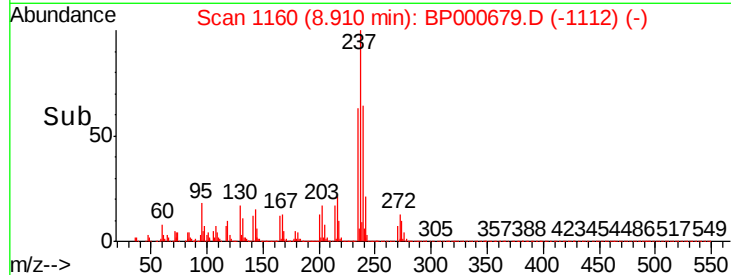
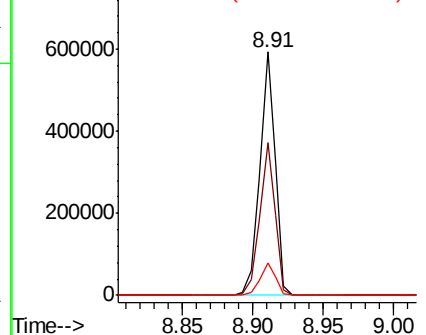


Abundance

Ion 236.80 (236.50 to 237.50): E

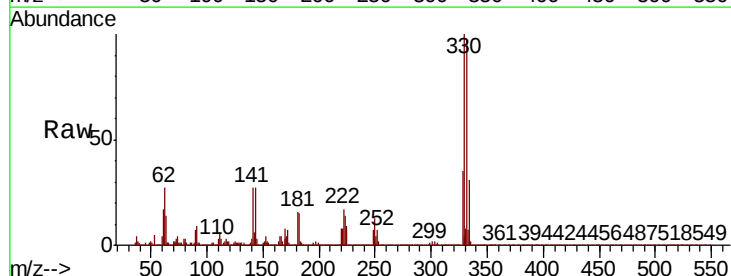
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42
2,4,6-Tribromophenol
Concen: 110.498 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	96.0	77.1	115.7
141	30.5	26.0	39.0

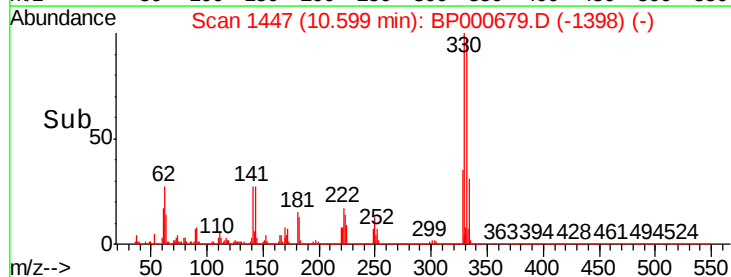
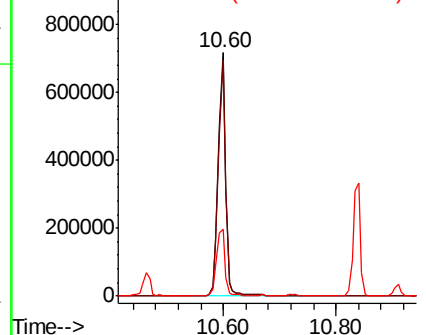


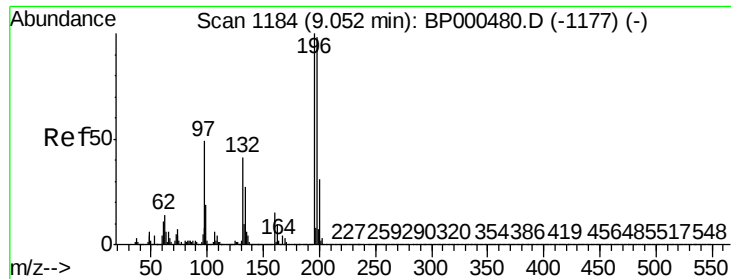
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





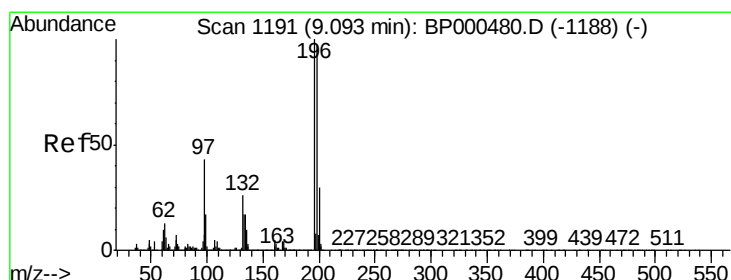
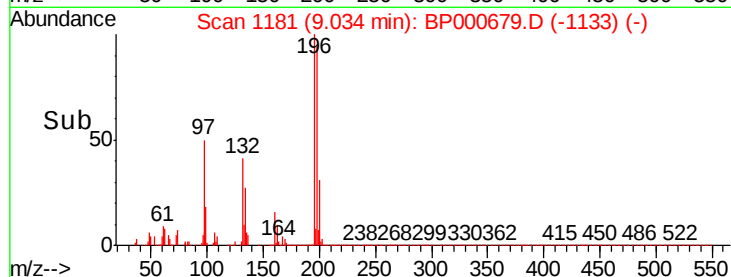
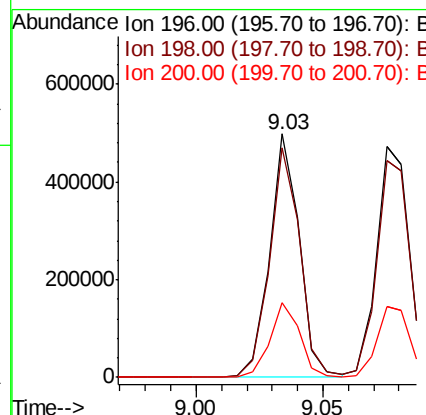
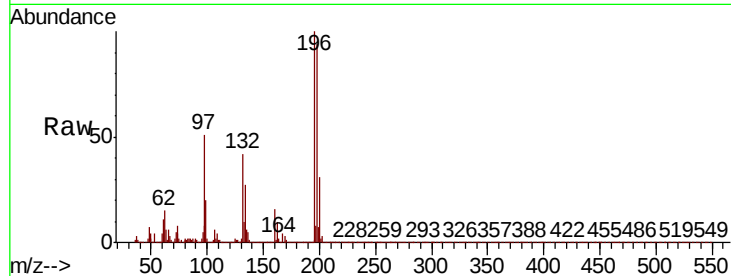
#43
2,4,6-Trichlorophenol
Concen: 37.429 ng
RT: 9.03 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	409644		
198	94.5	78.2	117.2	
200	30.9	24.9	37.3	

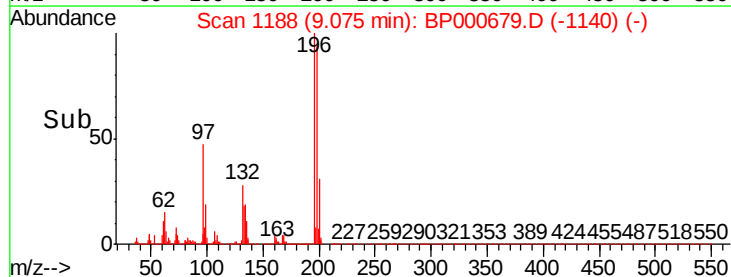
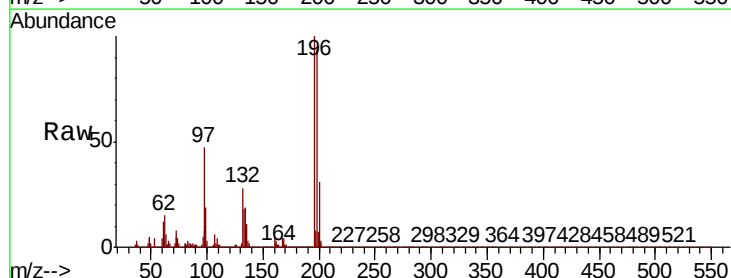
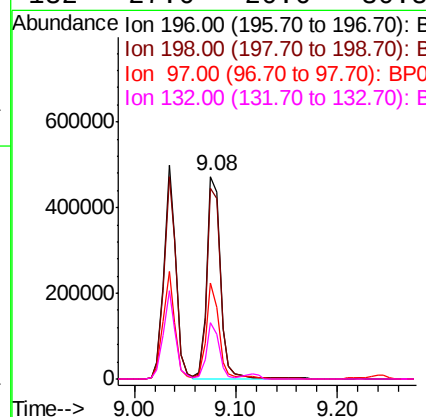
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#44
2,4,5-Trichlorophenol
Concen: 39.143 ng
RT: 9.08 min Scan# 1188
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	442311		
198	94.0	77.4	116.0	
97	47.5	34.6	51.8	
132	27.6	20.6	30.8	





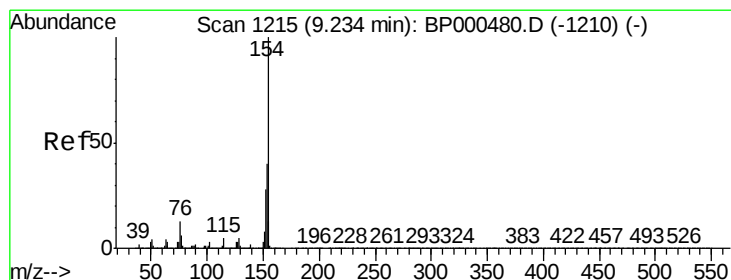
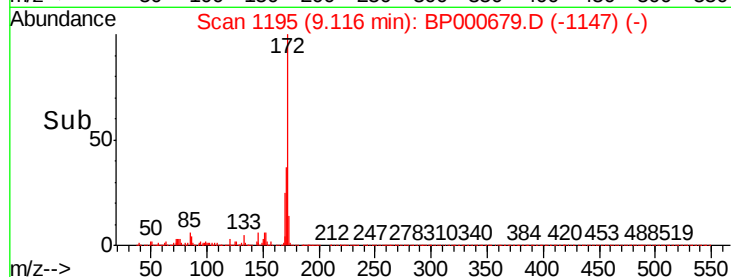
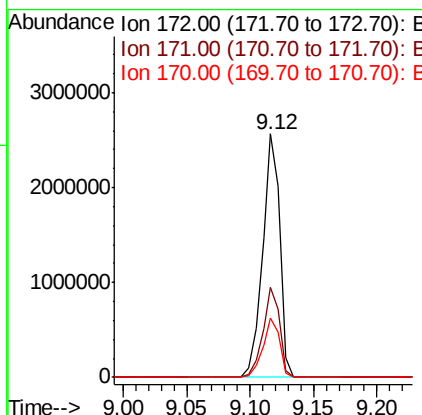
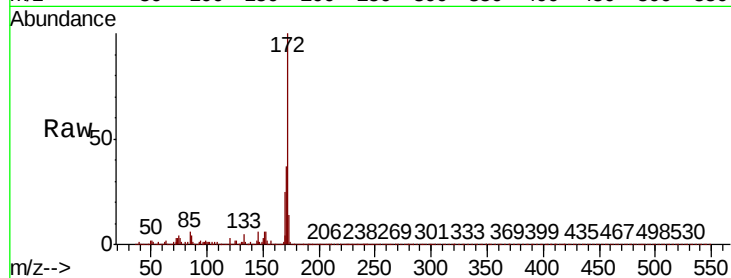
#45
2-Fluorobiphenyl
Concen: 70.131 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.4	42.6
170	24.5	19.1	28.7

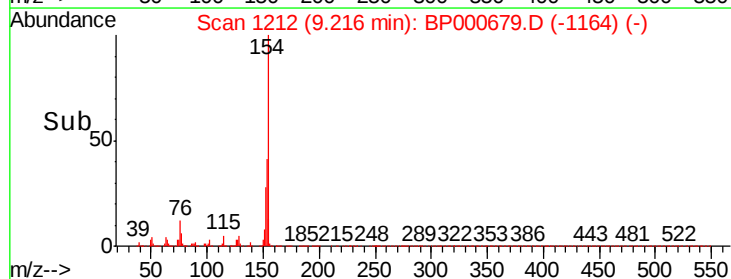
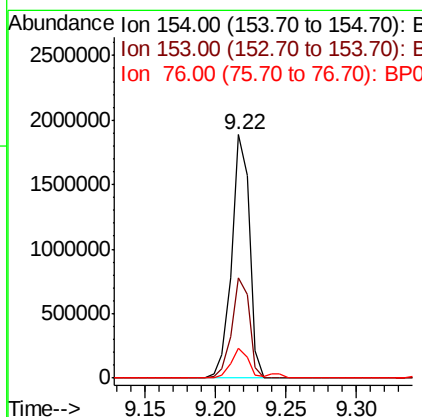
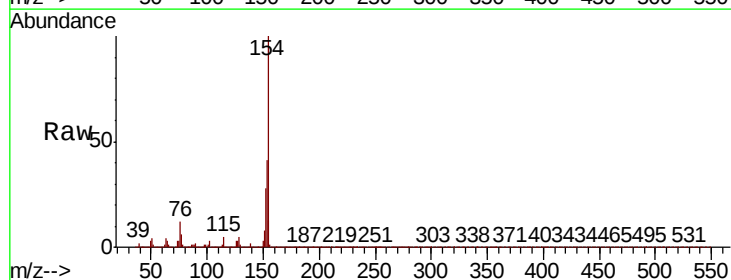
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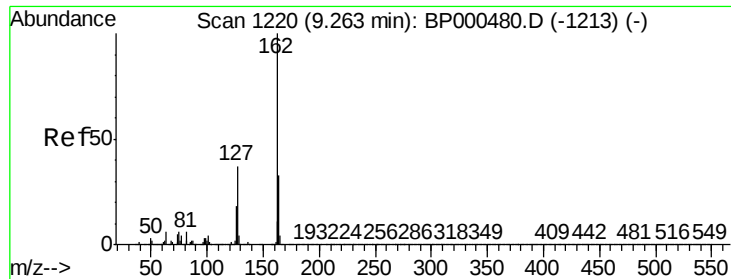
mohammad
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#46
1,1'-Biphenyl
Concen: 38.887 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	19.9	59.9
76	12.3	0.0	32.8





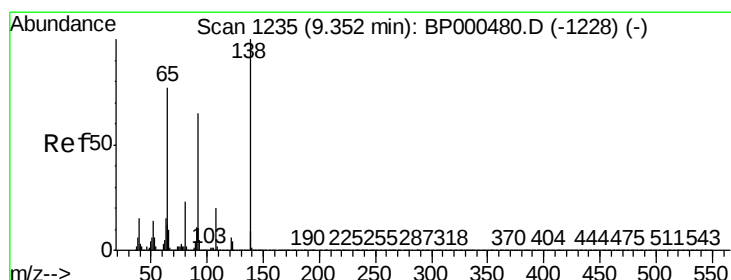
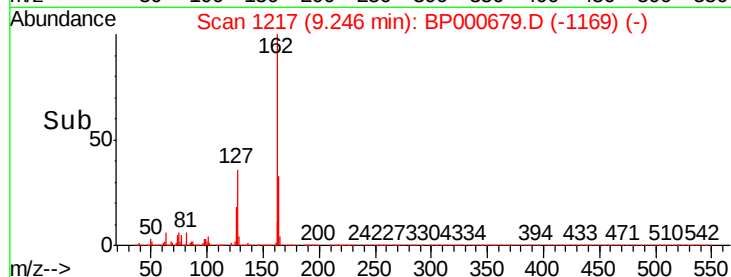
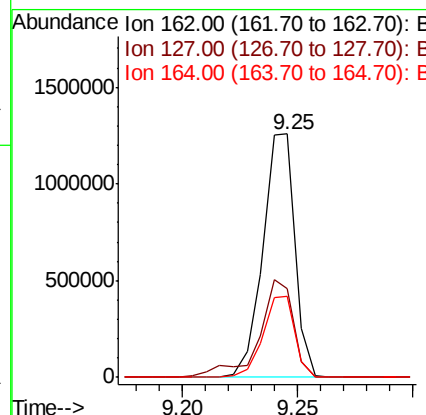
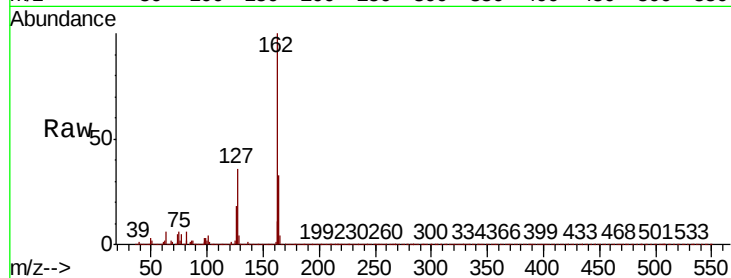
#47
2-Chloronaphthalene
Concen: 37.257 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	36.4	29.8	44.6
164	33.3	26.6	39.8

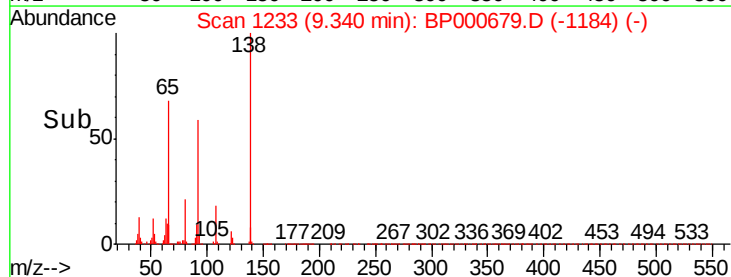
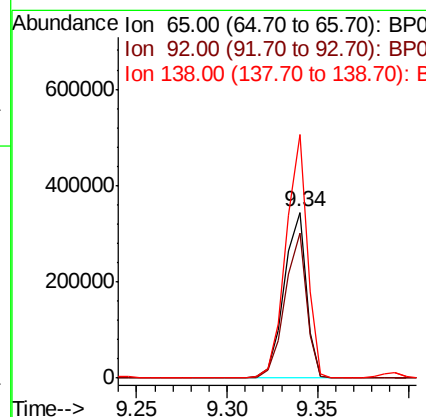
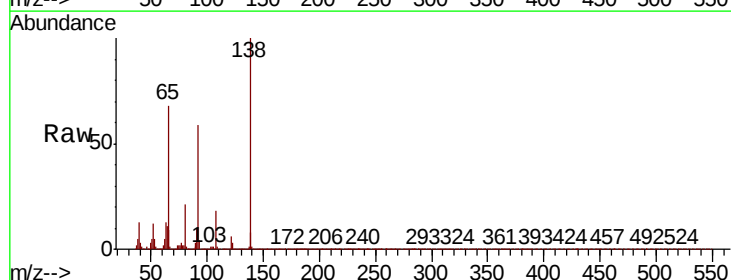
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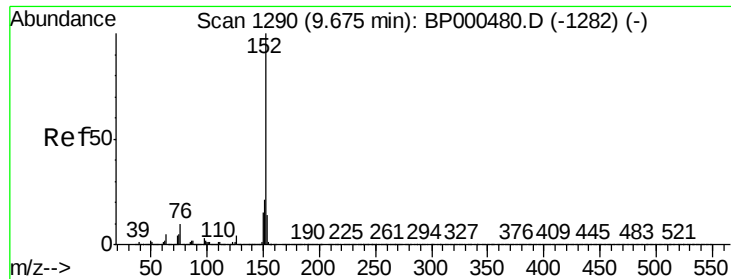
mohammad
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#48
2-Nitroaniline
Concen: 37.043 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Lower	Upper
65	100		
92	87.4	67.0	100.4
138	147.1	103.5	155.3





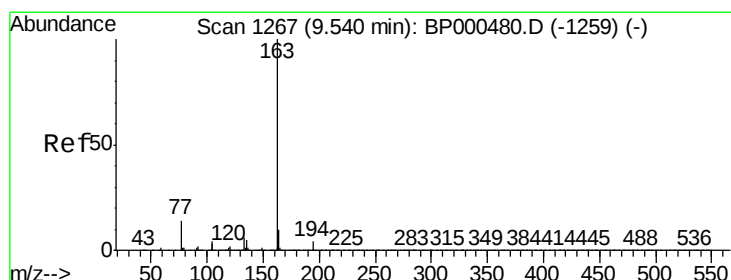
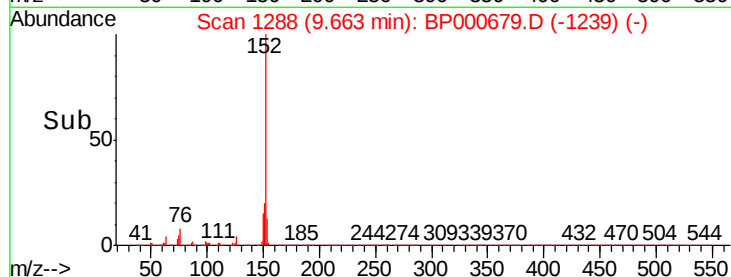
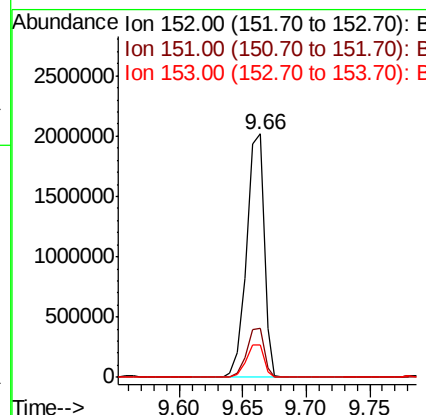
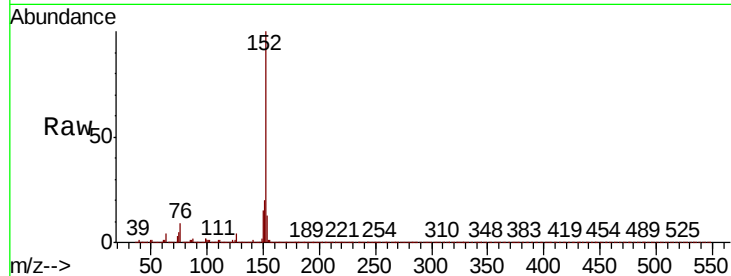
#49
Acenaphthylene
Concen: 38.882 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.6	25.0
153	13.3	11.0	16.6

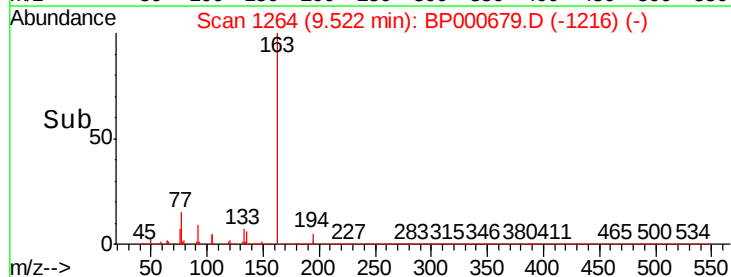
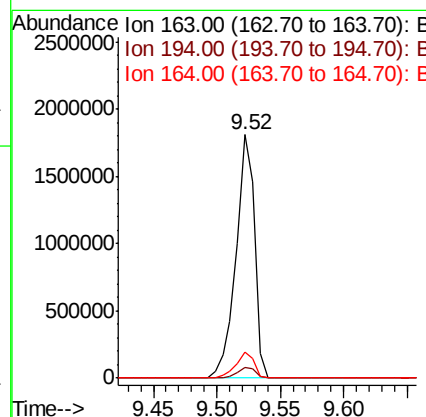
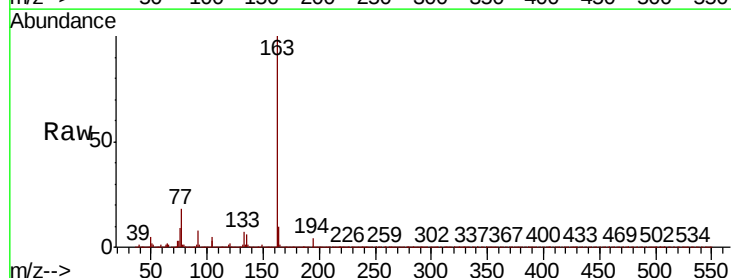
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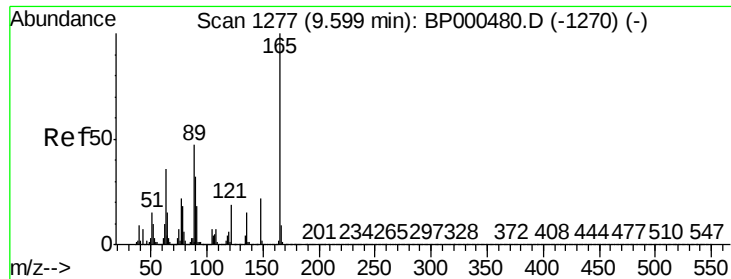
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#50
Dimethylphthalate
Concen: 46.313 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.5	8.0	12.0





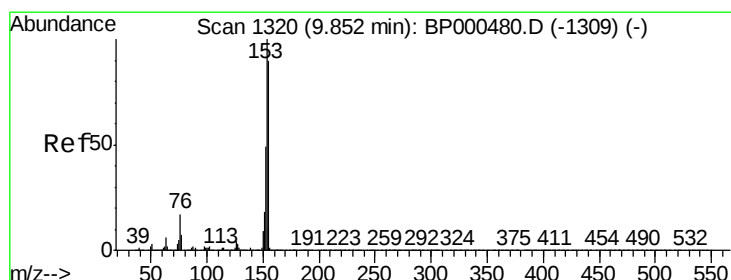
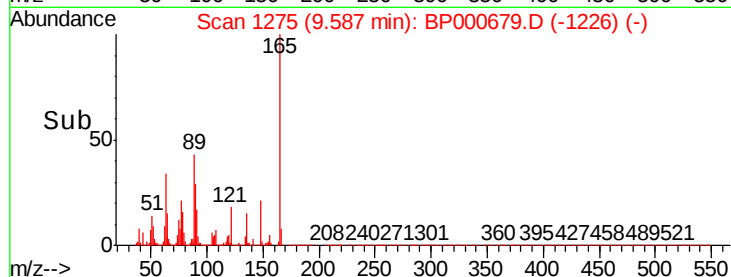
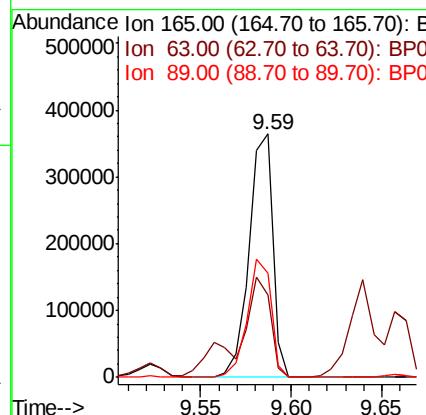
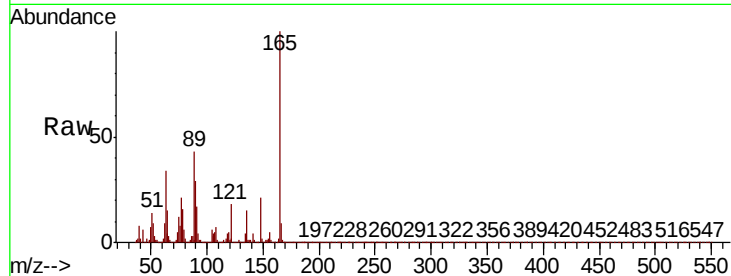
#51
2,6-Dinitrotoluene
Concen: 38.781 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion:	165	Resp:	330087
Ion Ratio	Lower	Upper	
165	100		
63	33.8	29.9	44.9
89	42.7	37.3	55.9

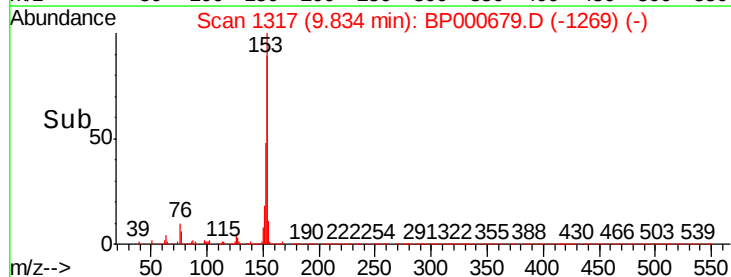
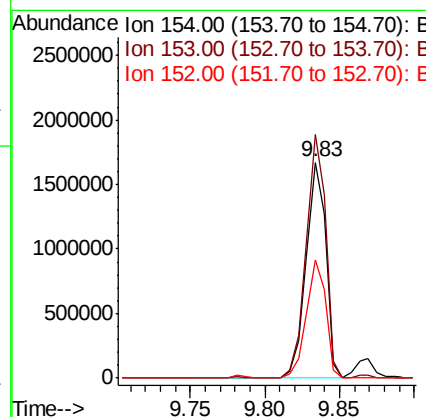
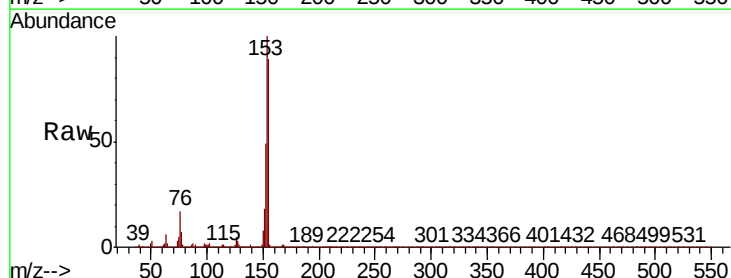
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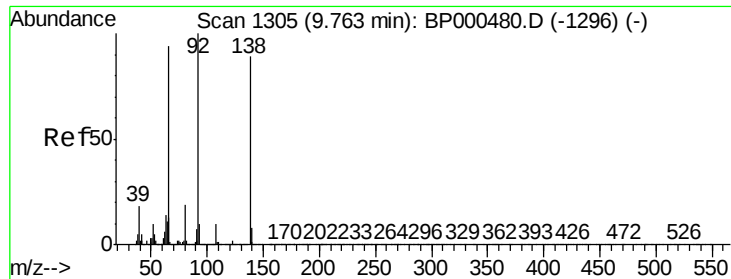
mohammad
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#52
Acenaphthene
Concen: 51.418 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion:	154	Resp:	1542816
Ion Ratio	Lower	Upper	
154	100		
153	112.8	89.4	134.0
152	54.8	43.8	65.8





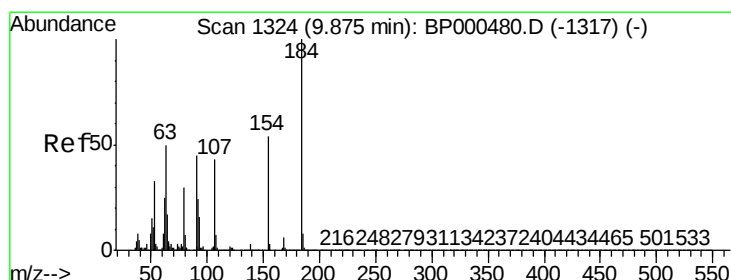
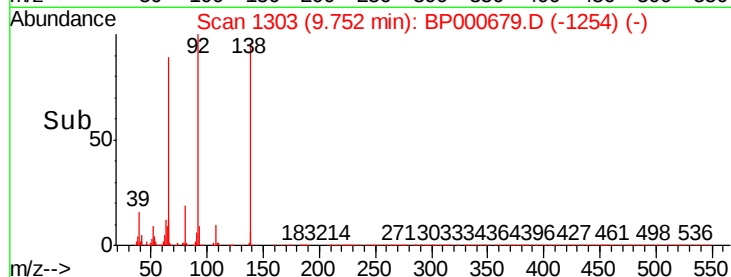
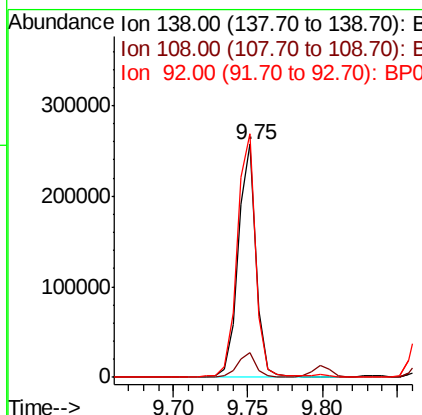
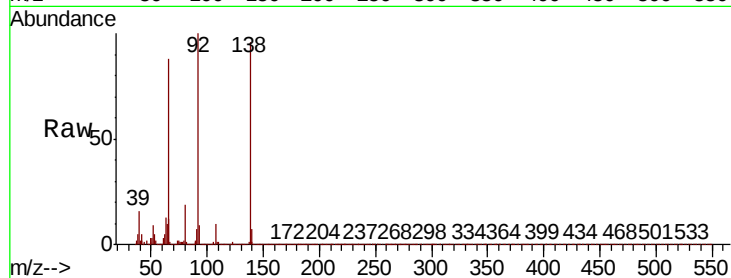
#53
3-Nitroaniline
Concen: 21.972 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.8	13.2
92	104.6	90.4	135.6

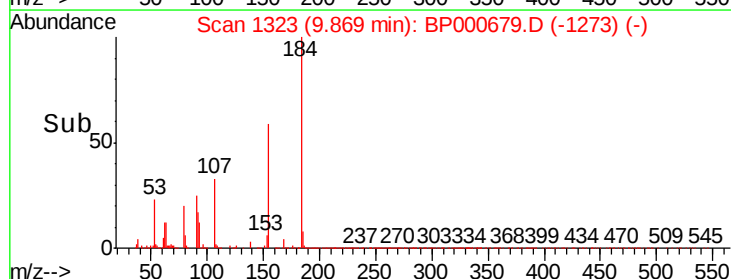
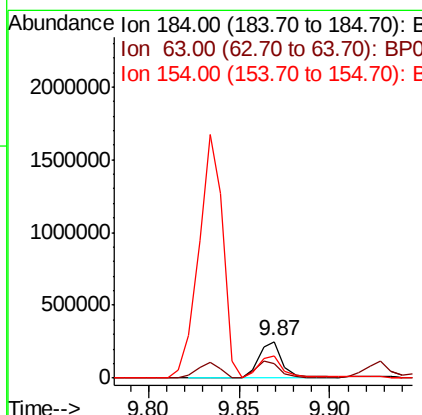
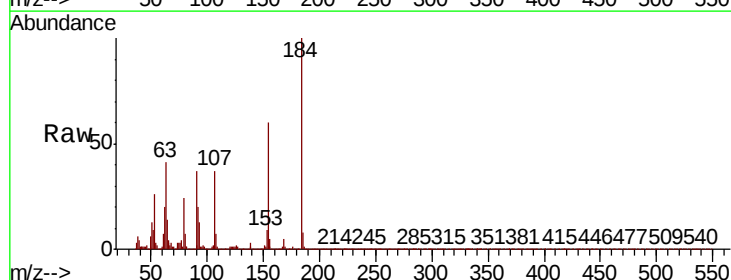
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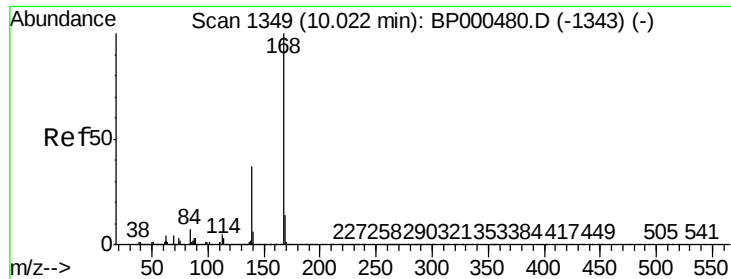
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#54
2,4-Dinitrophenol
Concen: 81.721 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Lower	Upper
184	100		
63	40.8	41.0	61.4#
154	60.5	49.8	74.8





#55

Dibenzofuran

Concen: 50.390 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

Instrument :

BNA_P

ClientSampleId :

SOIL-PILEMSD

Tot Ion:168 Resp: 2260129

Ion Ratio Lower Upper

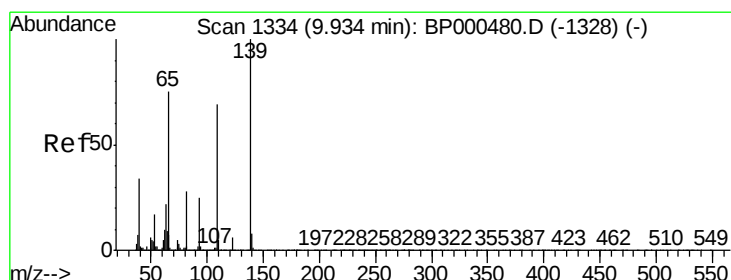
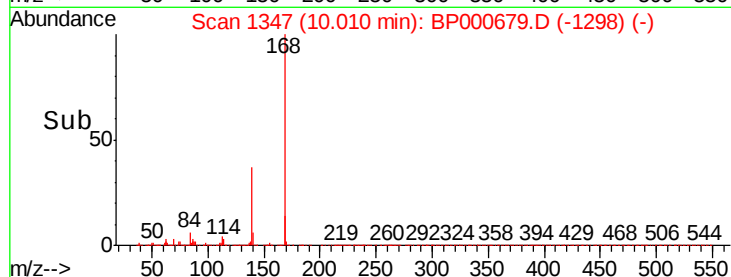
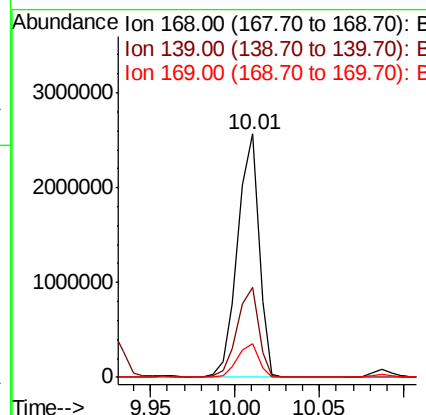
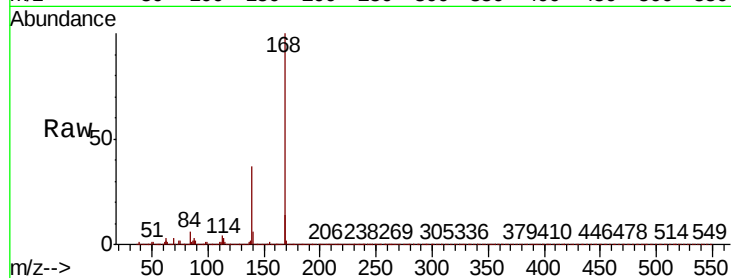
168 100

139 36.7 29.5 44.3

169 13.7 11.1 16.7

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#56

4-Nitrophenol

Concen: 74.332 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

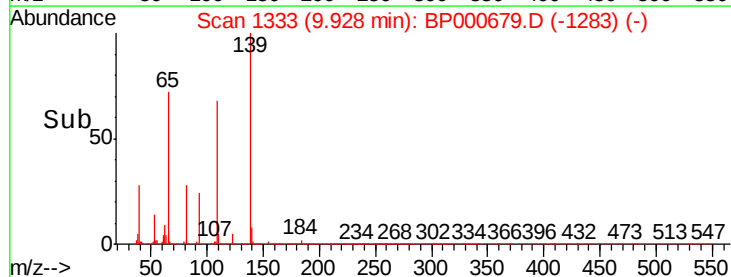
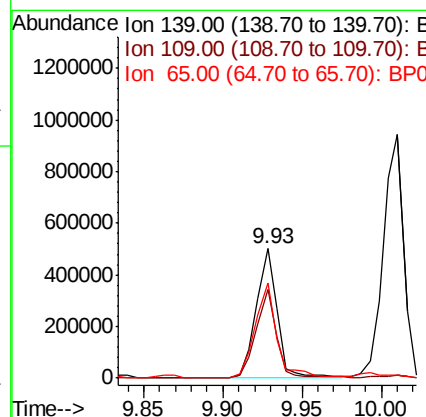
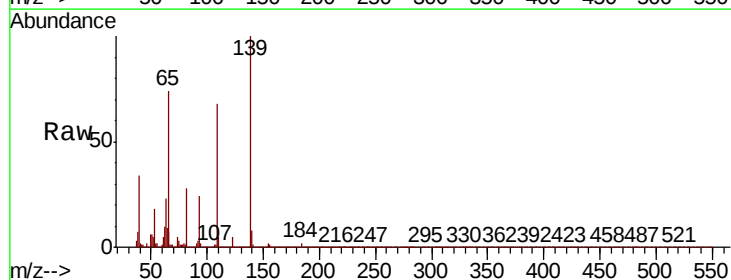
Tgt Ion:139 Resp: 462830

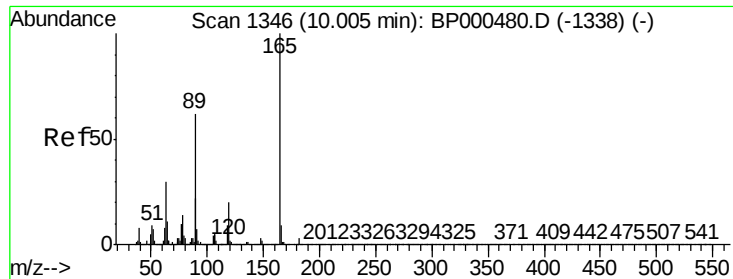
Ion Ratio Lower Upper

139 100

109 68.2 48.6 88.6

65 73.5 55.3 95.3





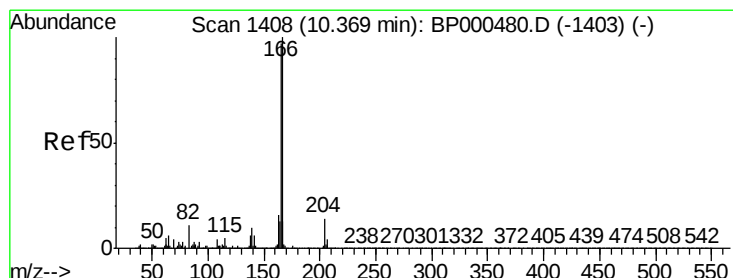
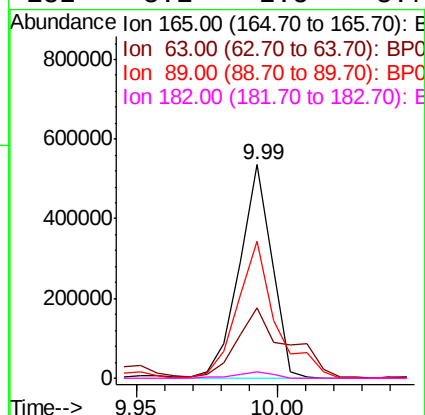
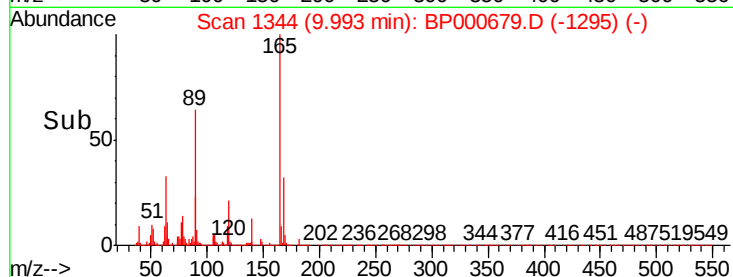
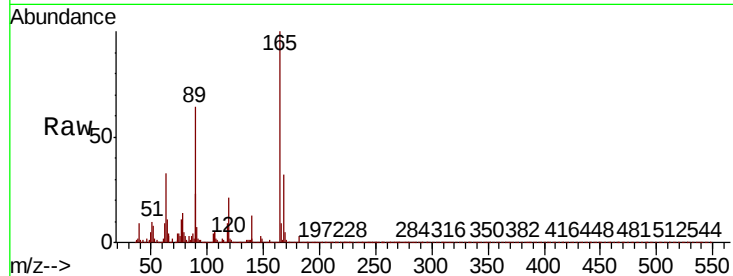
#57
2,4-Dinitrotoluene
Concen: 38.191 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		431004		
63	32.9	24.2	36.4		
89	63.9	49.4	74.0		
182	3.1	2.5	3.7		

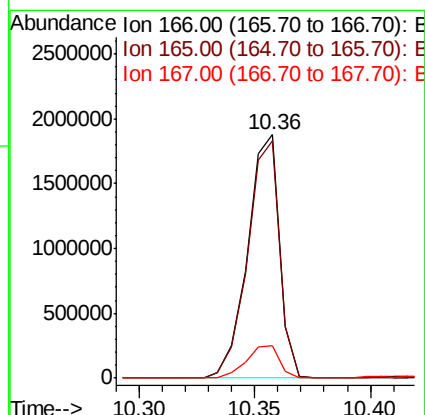
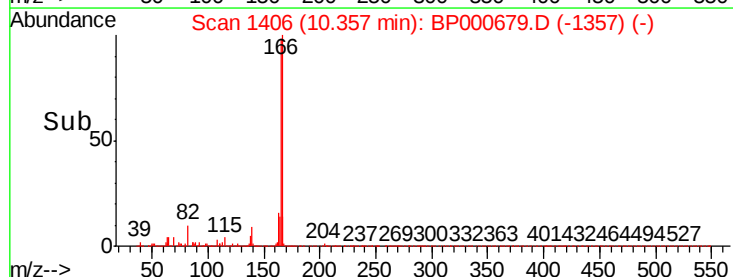
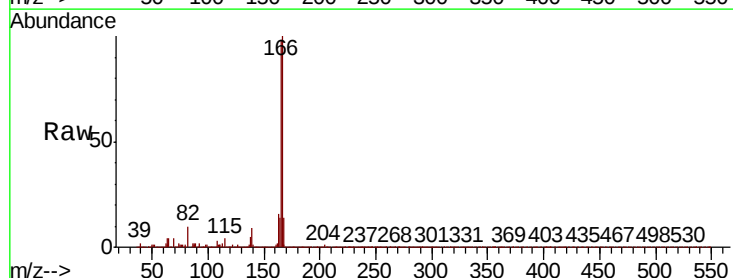
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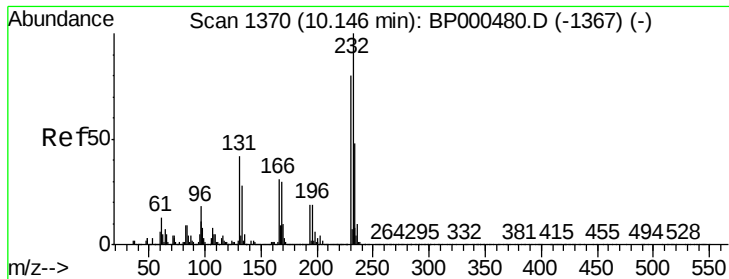
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#58
Fluorene
Concen: 56.812 ng
RT: 10.36 min Scan# 1406
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		1816134		
165	97.7	77.3	115.9		
167	13.6	10.6	16.0		





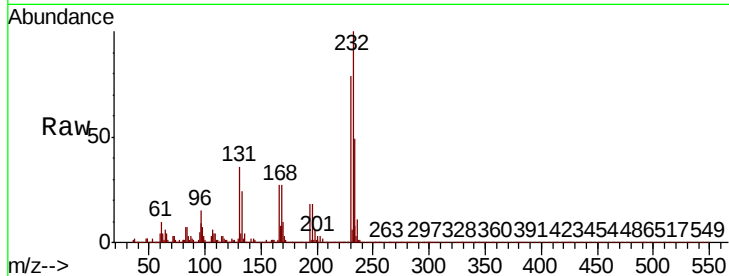
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.801 ng
RT: 10.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion:	232	Resp:	370642
Ion Ratio	Lower	Upper	
232	100		
131	37.5	32.1	48.1
130	2.1	1.6	2.4
166	27.5	23.0	34.4

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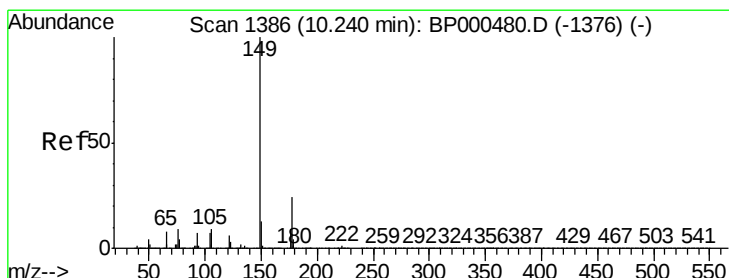
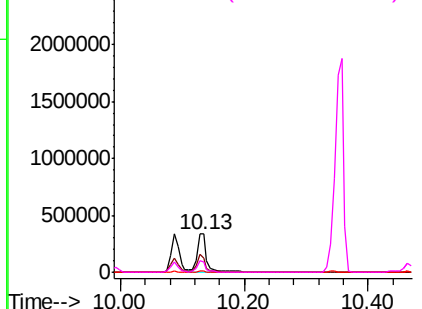
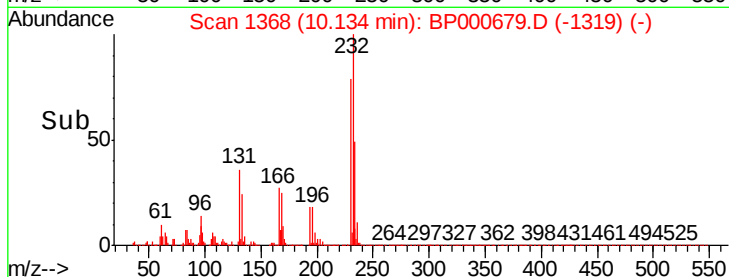
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

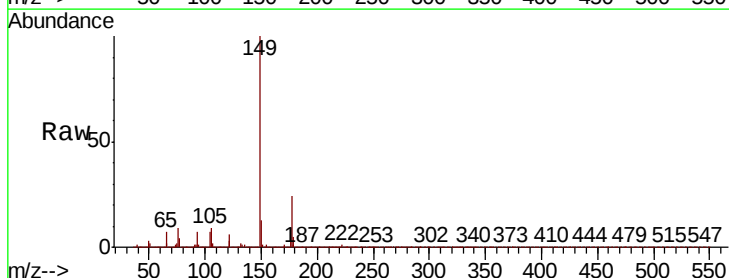
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 36.894 ng
RT: 10.23 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion:	149	Resp:	1366966
Ion Ratio	Lower	Upper	
149	100		
177	23.7	19.0	28.6
150	12.9	10.8	16.2

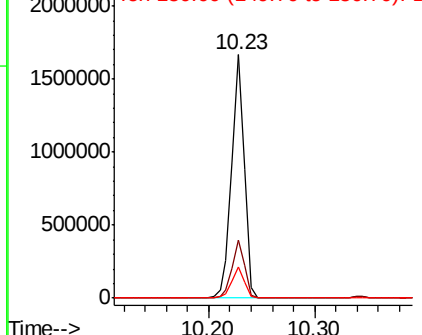
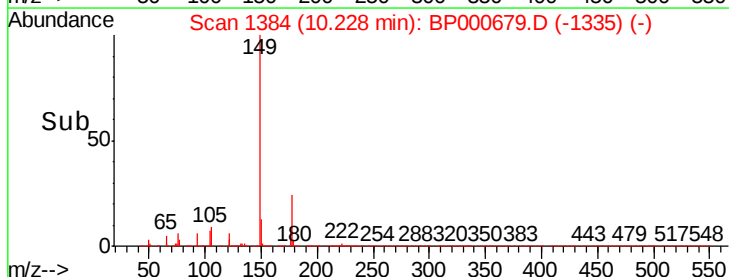


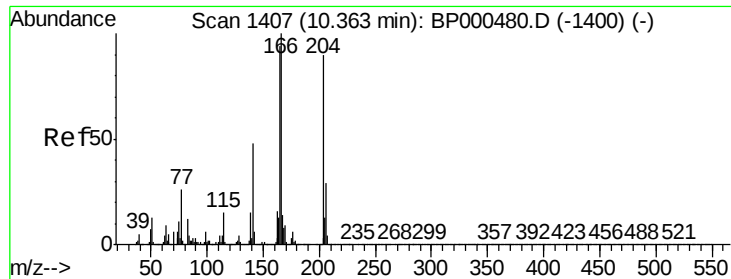
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#61

4-Chlorophenyl-phenylether

Concen: 38.162 ng

RT: 10.35 min Scan# 1404

Delta R.T. -0.02 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

Instrument :

BNA_P

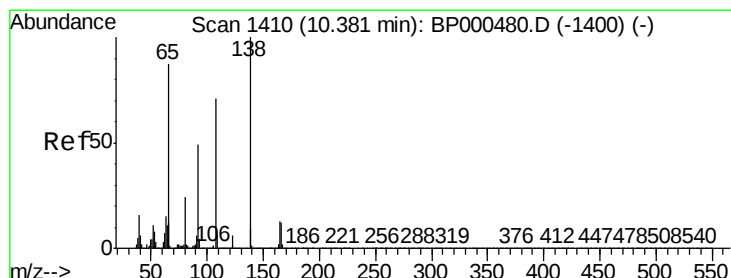
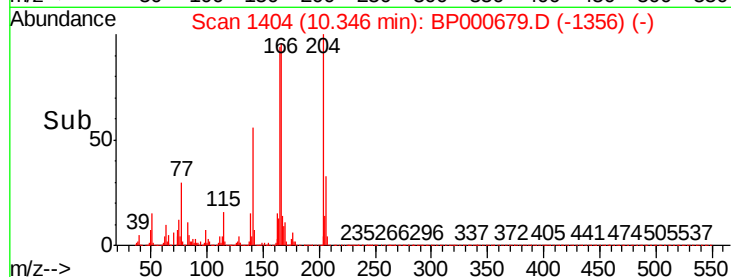
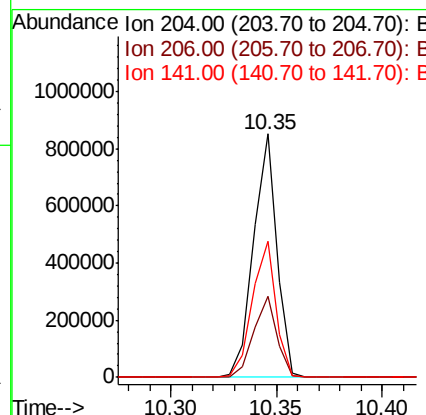
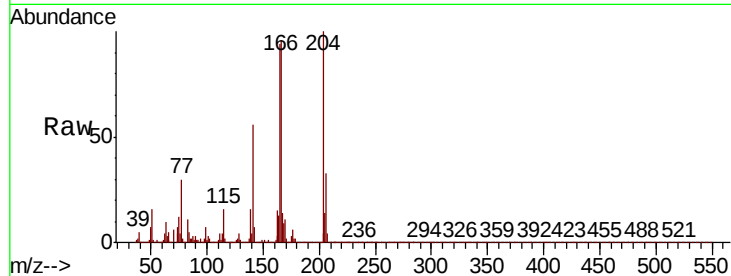
ClientSampled :

SOIL-PILEMSD

Tot Ion:	204	Resp:	656006
Ion Ratio	Lower	Upper	
204	100		
206	33.3	25.8	38.8
141	55.8	42.8	64.2

Manual Integrations
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#62

4-Nitroaniline

Concen: 36.721 ng

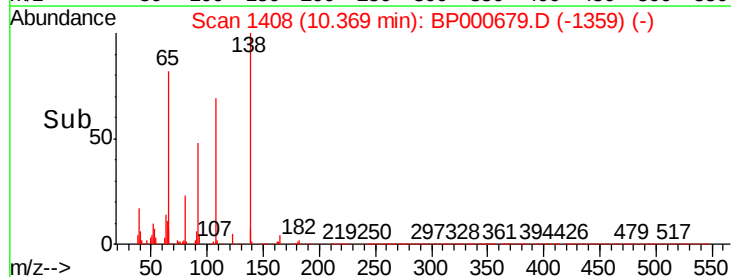
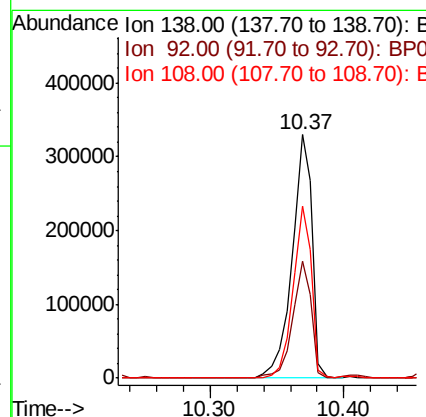
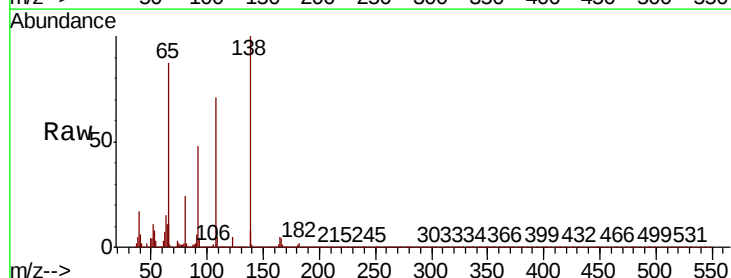
RT: 10.37 min Scan# 1408

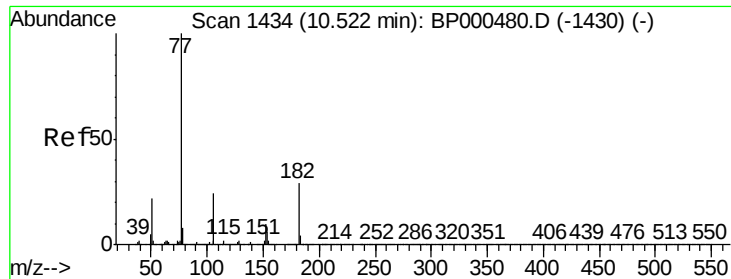
Delta R.T. -0.01 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

Tgt Ion:	138	Resp:	344437
Ion Ratio	Lower	Upper	
138	100		
92	48.2	28.7	68.7
108	70.8	50.6	90.6





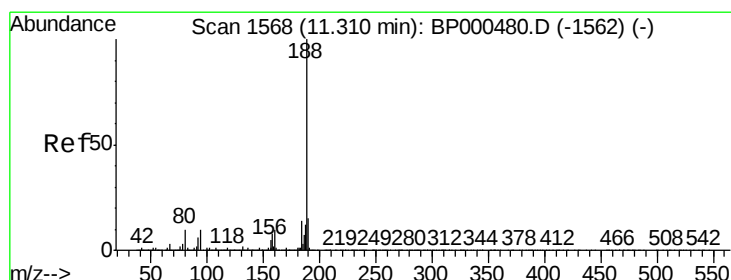
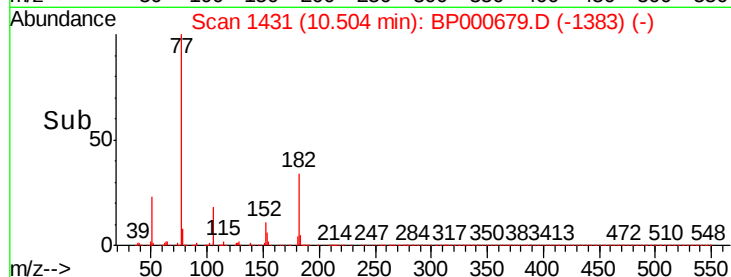
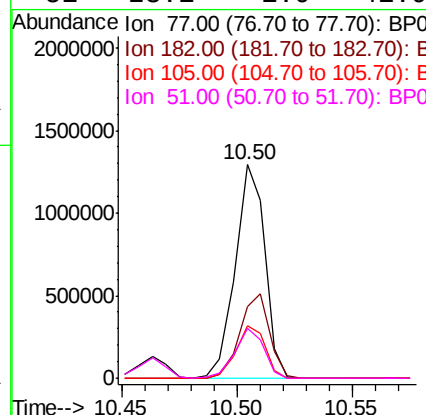
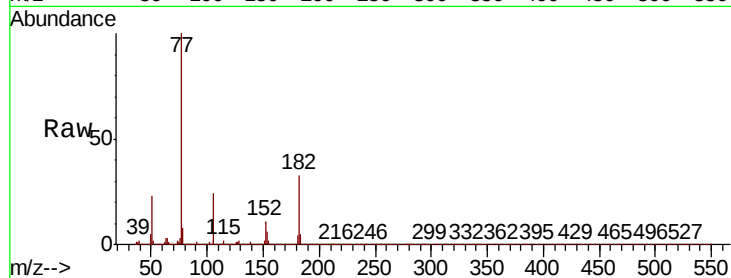
#63
Azobenzene
Concen: 40.506 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	33.3	9.0	49.0
105	24.3	3.8	43.8
51	23.1	1.9	41.9

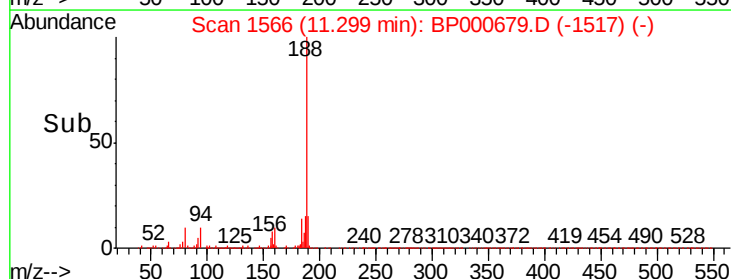
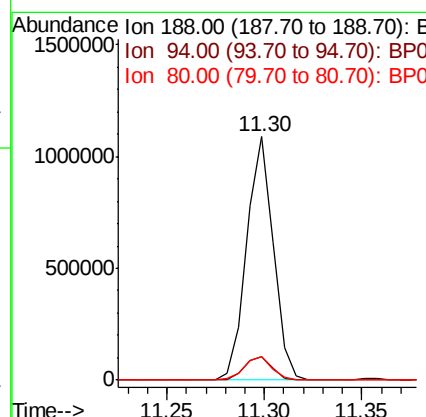
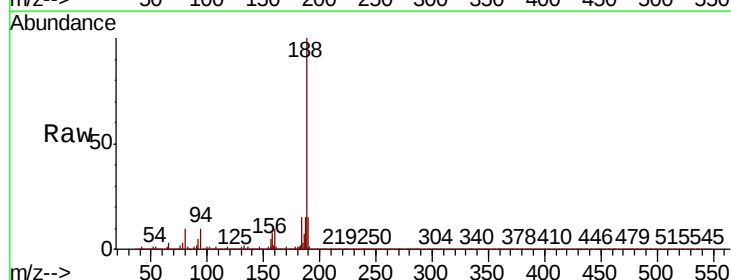
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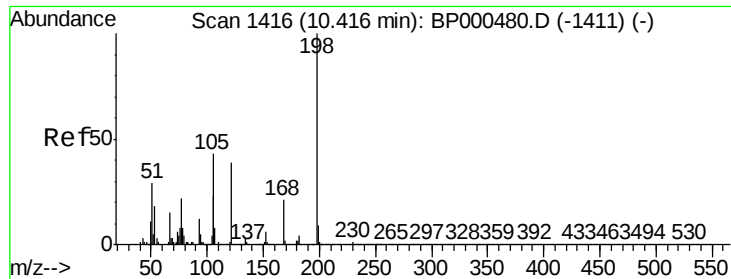
mohammad
10/16/2019 8:08:01 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.2	12.2
80	9.6	8.3	12.5





#65

4,6-Dinitro-2-methylphenol

Concen: 41.445 ng

RT: 10.41 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

Instrument :

BNA_P

ClientSampleId :

SOIL-PILEMSD

Tot Ion:198 Resp: 188732

Ion Ratio Lower Upper

198 100

51 26.5 12.8 52.8

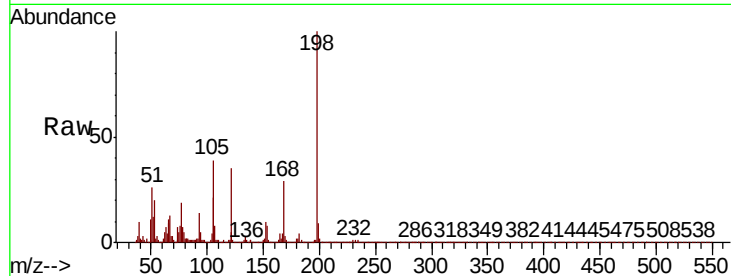
105 38.8 24.0 64.0

Manual Integrations

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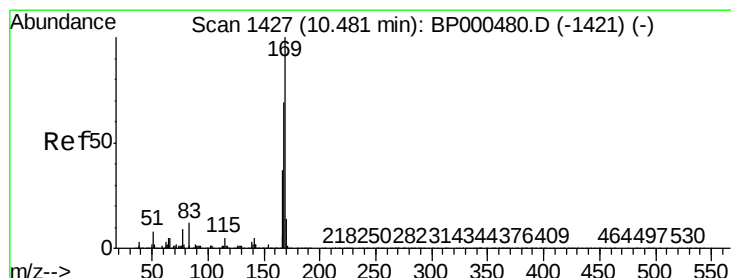
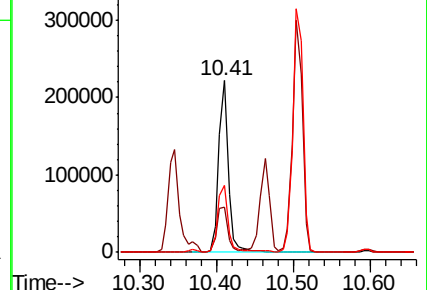
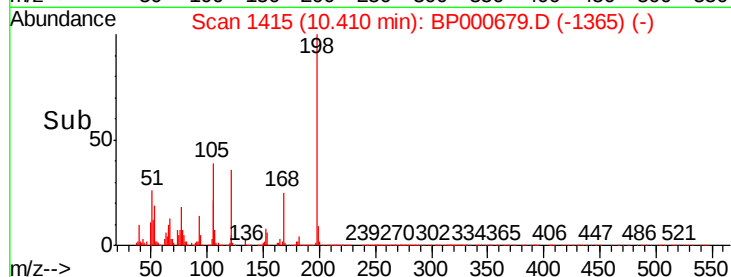
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 40.165 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.02 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

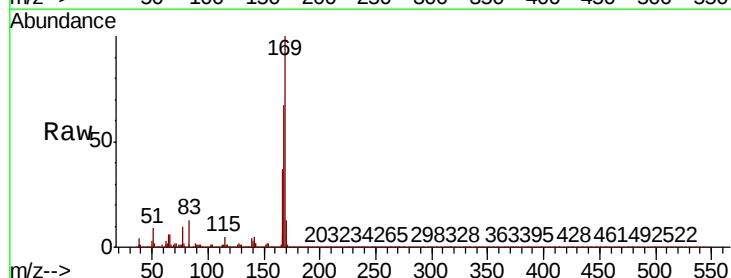
Tgt Ion:169 Resp: 1201685

Ion Ratio Lower Upper

169 100

168 67.0 55.4 83.2

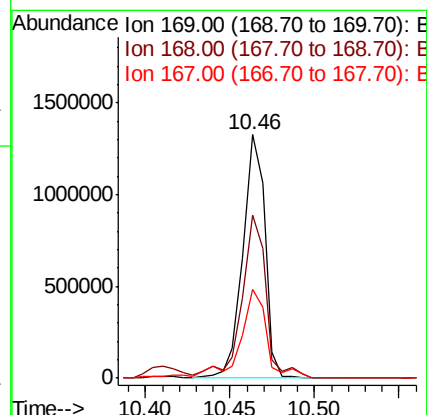
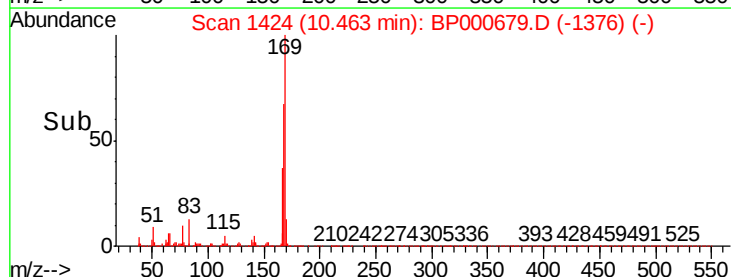
167 36.5 29.4 44.2

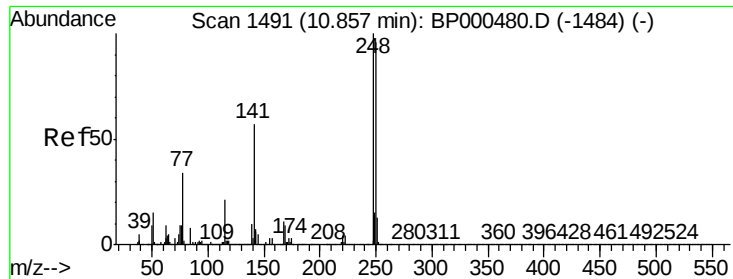


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





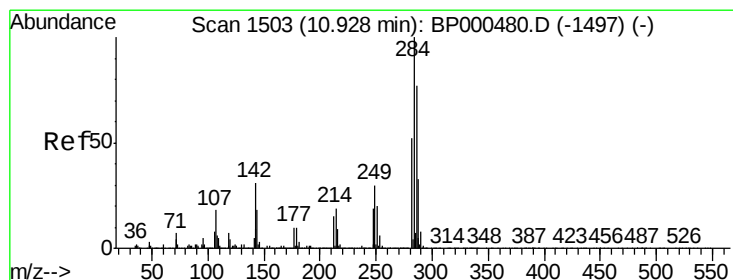
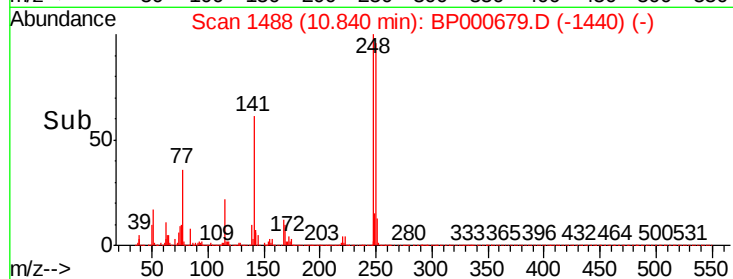
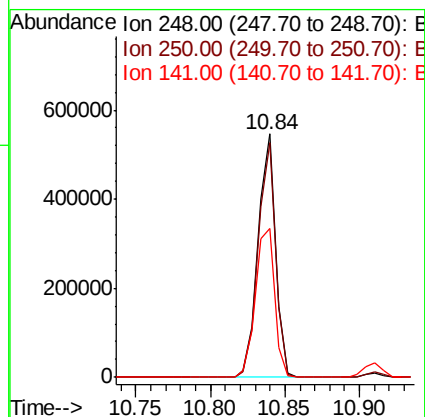
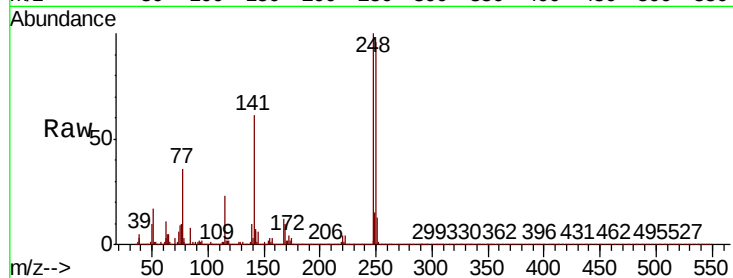
#67
4-Bromophenyl-phenylether
Concen: 38.036 ng
RT: 10.84 min Scan# 1488
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.3	77.2	115.8
141	61.1	45.3	67.9

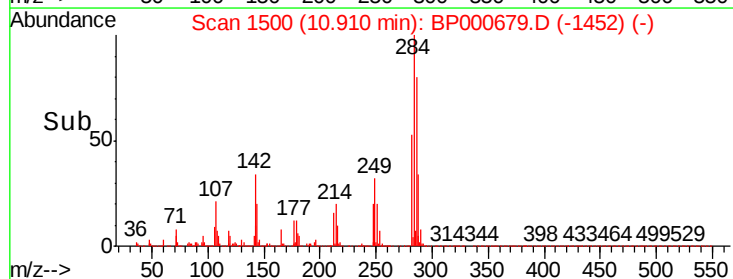
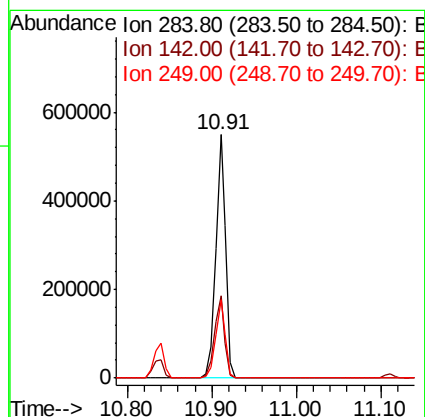
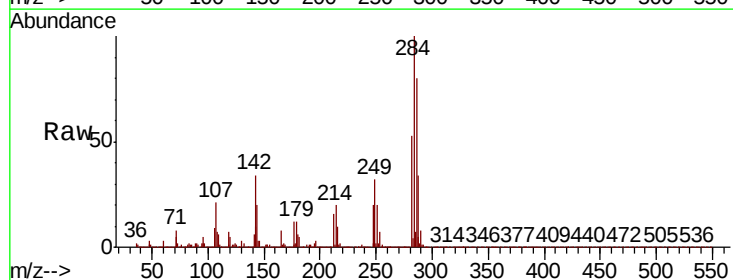
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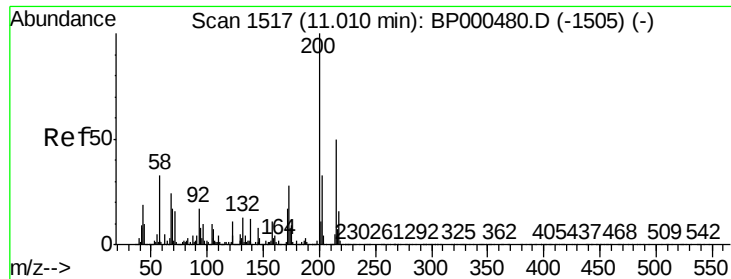
mohammad
10/16/2019 8:08:01 AM



#68
Hexachlorobenzene
Concen: 35.071 ng
RT: 10.91 min Scan# 1500
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.0	24.6	37.0
249	32.1	24.1	36.1





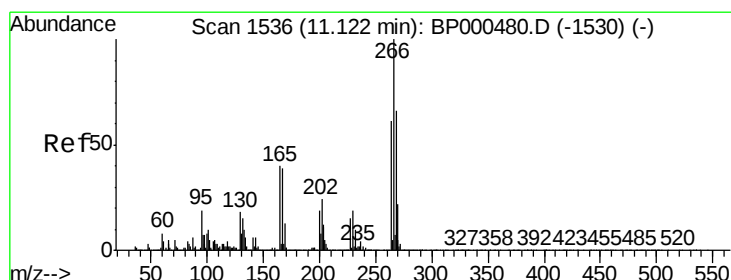
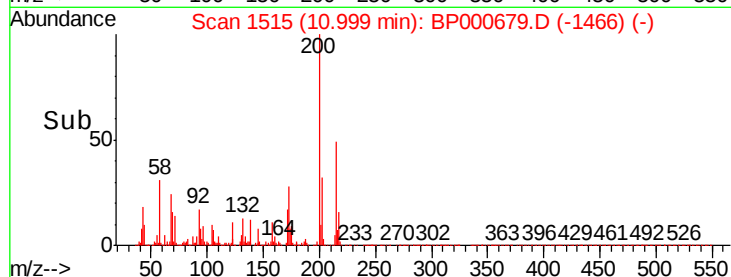
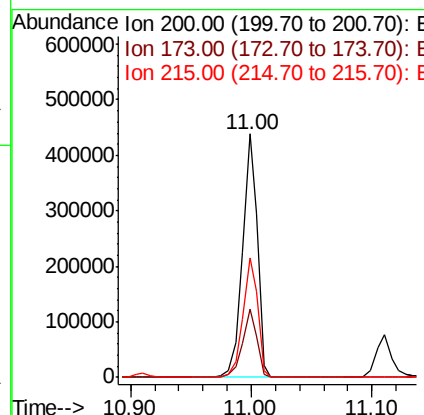
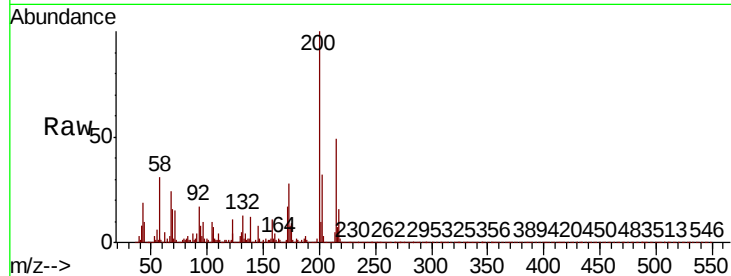
#69
Atrazine
Concen: 38.196 ng
RT: 11.00 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	27.9	7.6	47.6
215	48.8	29.5	69.5

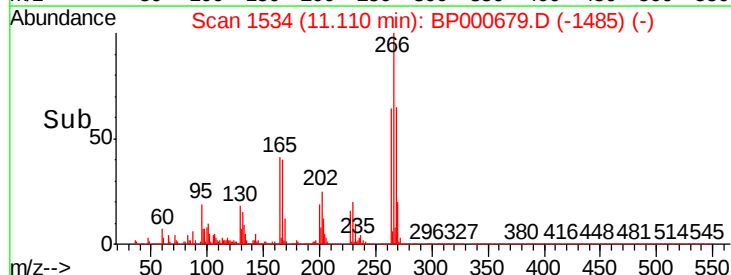
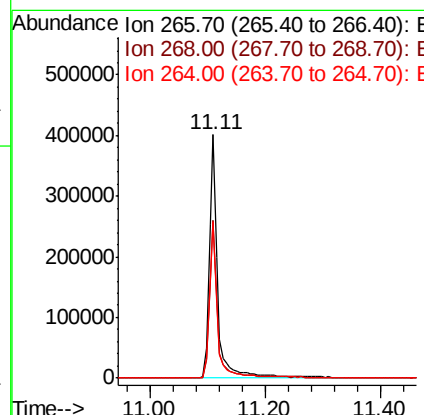
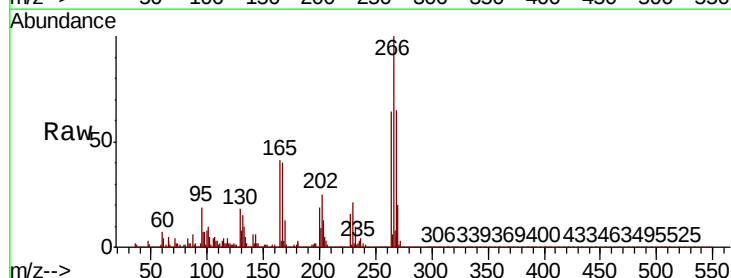
Manual Integrations
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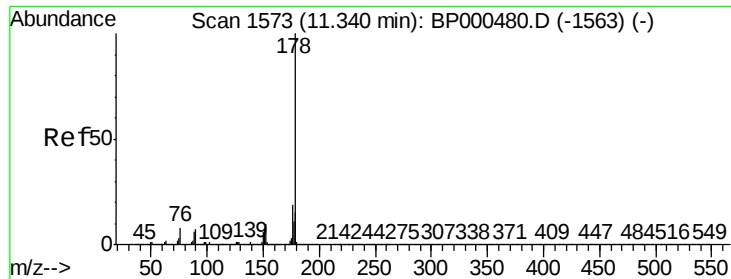
mohammad
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#70
Pentachlorophenol
Concen: 78.716 ng
RT: 11.11 min Scan# 1534
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	64.9	53.2	79.8
264	64.3	49.0	73.4





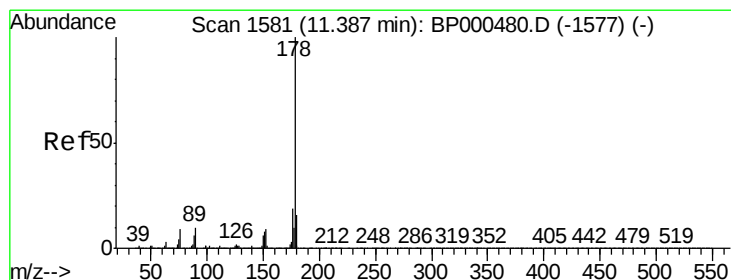
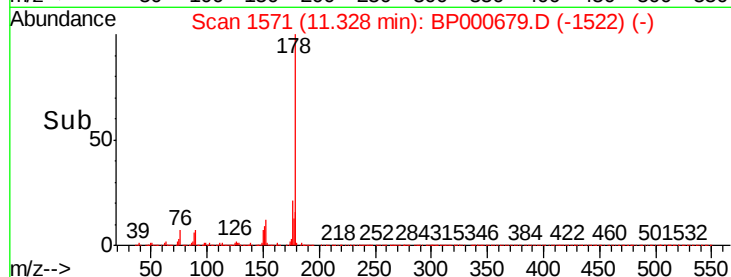
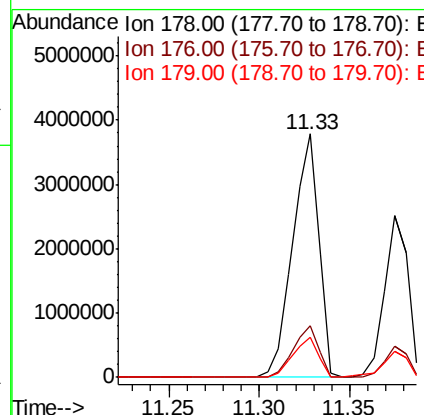
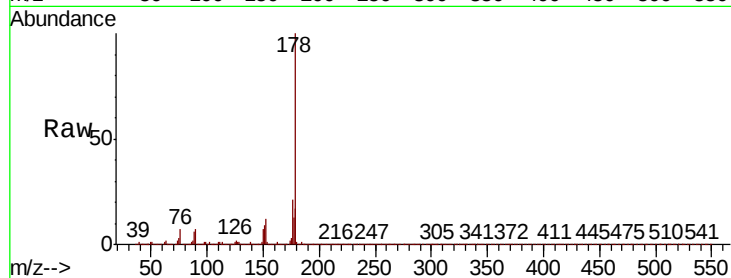
#71
Phenanthrene
Concen: 74.521 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion:178 Resp: 3844640
Ion Ratio Lower Upper
178 100
176 21.4 15.4 23.2
179 16.5 12.2 18.4

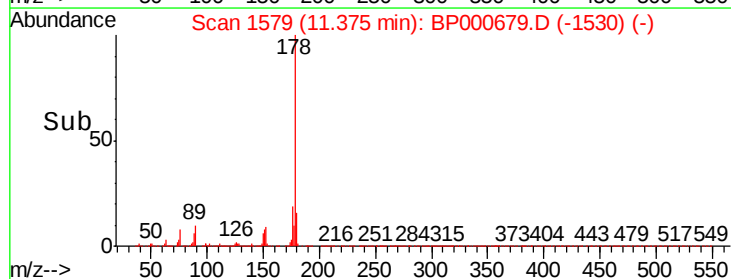
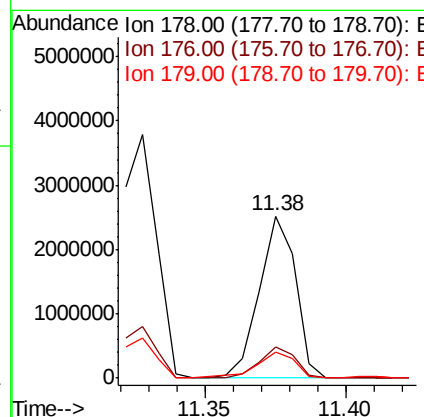
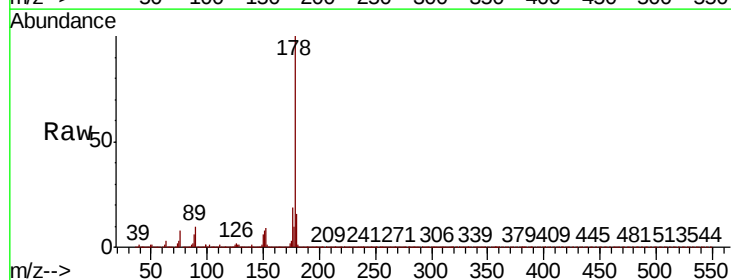
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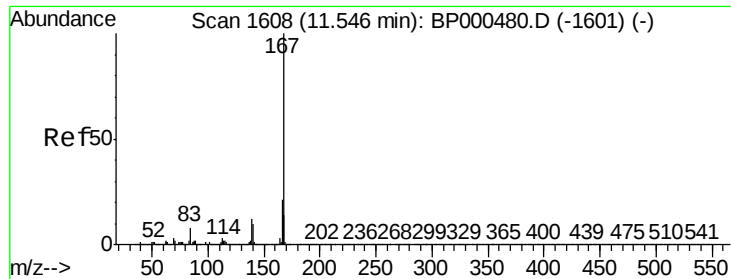
mohammad
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#72
Anthracene
Concen: 43.932 ng
RT: 11.38 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion:178 Resp: 2247334
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 16.0 12.6 19.0





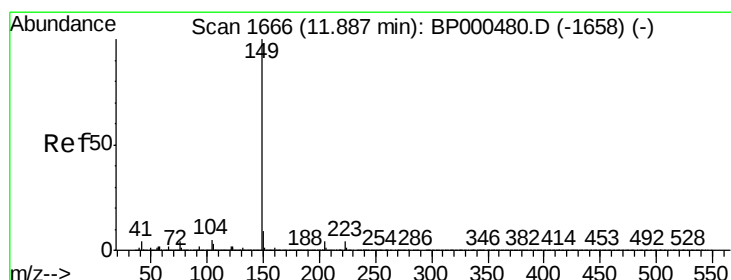
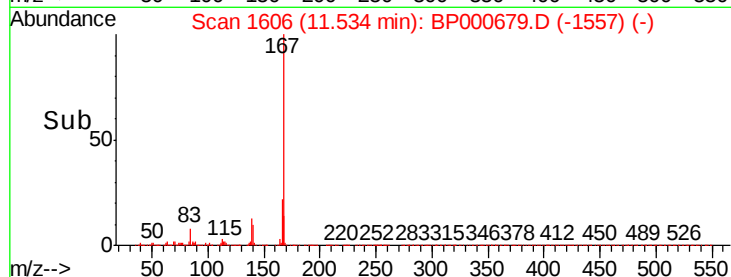
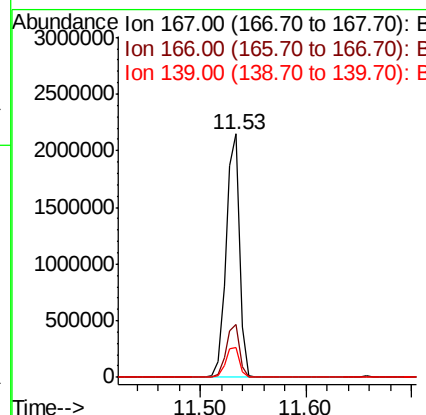
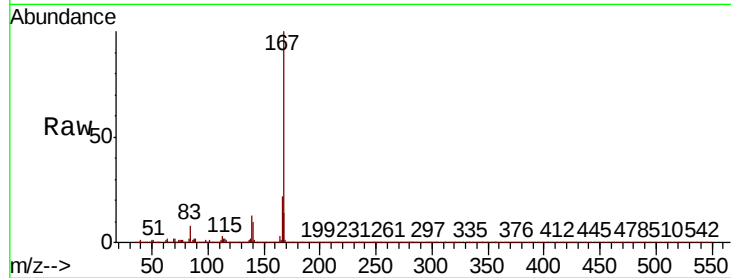
#73
 Carbazole
 Concen: 40.738 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BP000679.D
 Acq: 12 Oct 2019 19:58

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	16.9	25.3
139	12.5	9.7	14.5

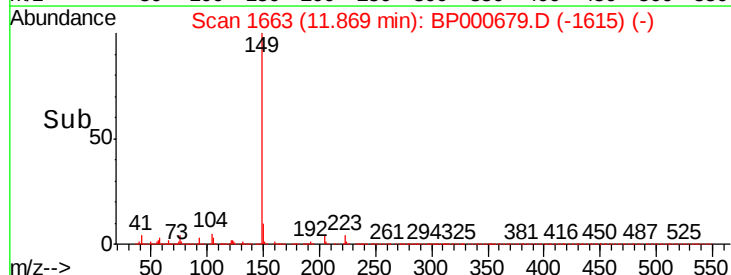
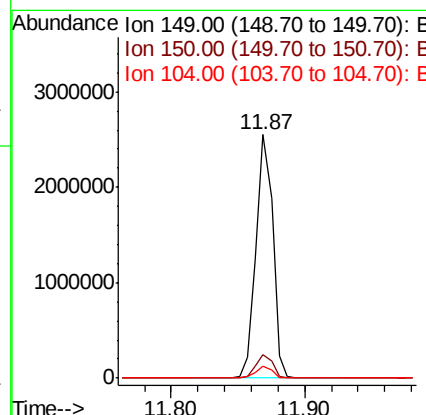
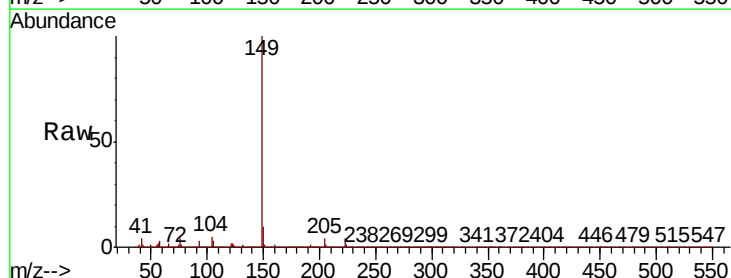
Manual Integrations
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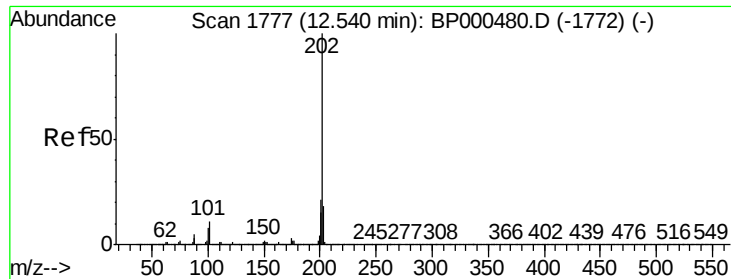
mohammad
 10/16/2019 8:08:01 AM



#74
 Di-n-butylphthalate
 Concen: 37.715 ng
 RT: 11.87 min Scan# 1663
 Delta R.T. -0.02 min
 Lab File: BP000679.D
 Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.4	11.2
104	4.7	3.7	5.5





#75

Fluoranthene

Concen: 65.200 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

Instrument :

BNA_P

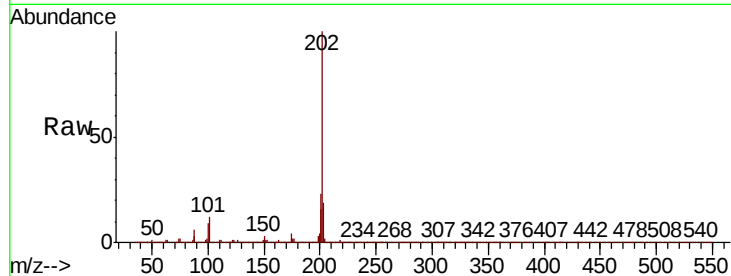
ClientSampleId :

SOIL-PILEMSD

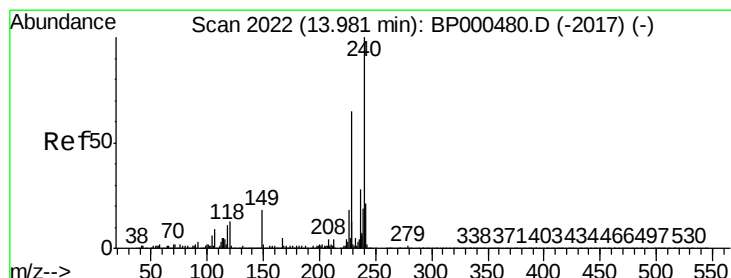
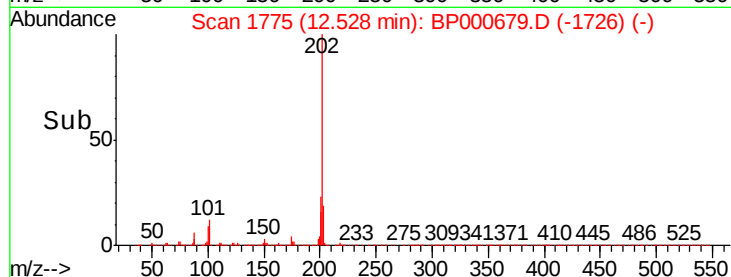
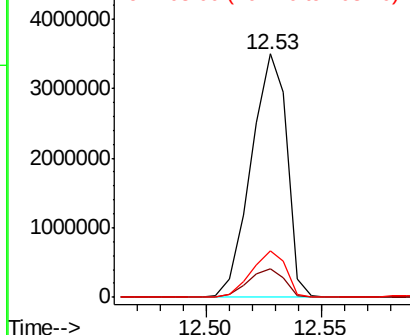
Tot Ion:	202	Resp:	3777868
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	31.3
203	18.9	0.0	38.1

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

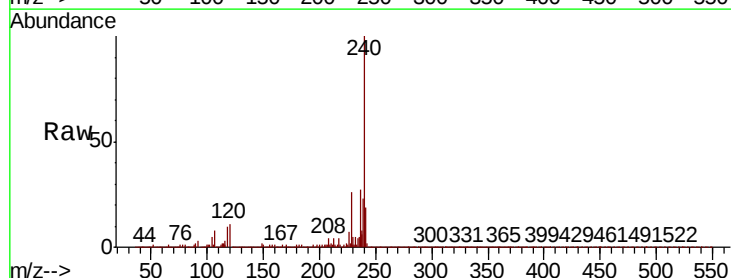
RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

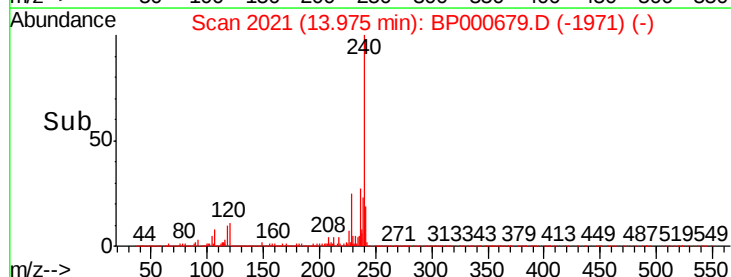
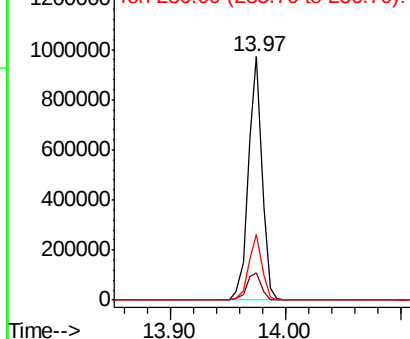
Lab File: BP000679.D

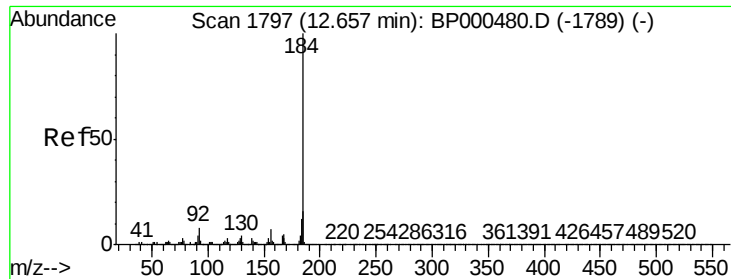
Acq: 12 Oct 2019 19:58

Tgt Ion:	240	Resp:	789154
Ion Ratio	Lower	Upper	
240	100		
120	11.4	10.1	15.1
236	27.2	22.7	34.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 55.124 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

Instrument :

BNA_P

ClientSampleId :

SOIL-PILEMSD

Tot Ion:184 Resp: 1259692

Ion Ratio Lower Upper

184 100

185 15.0 12.7 19.1

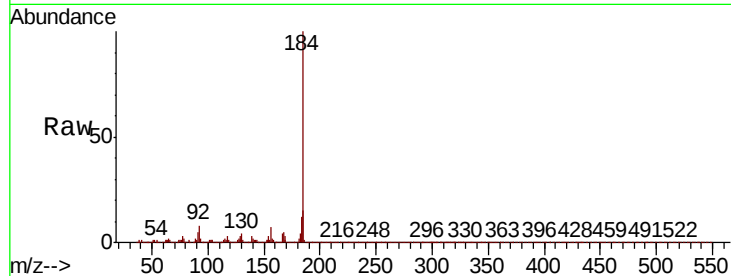
183 12.1 9.7 14.5

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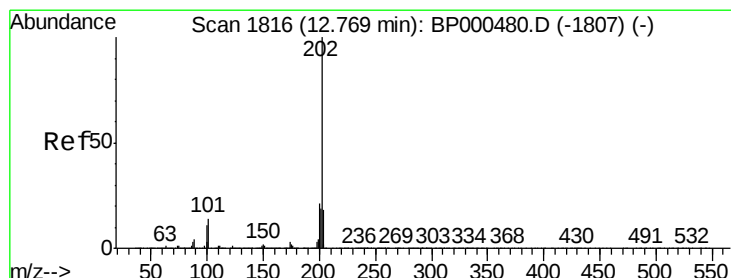
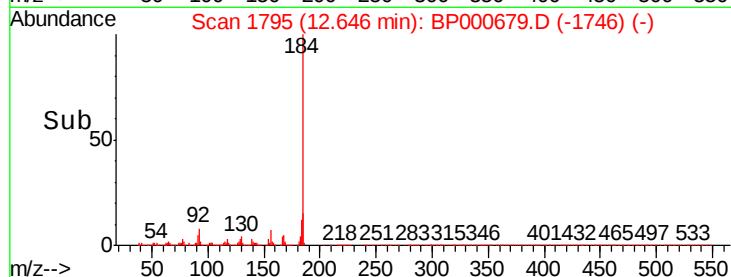
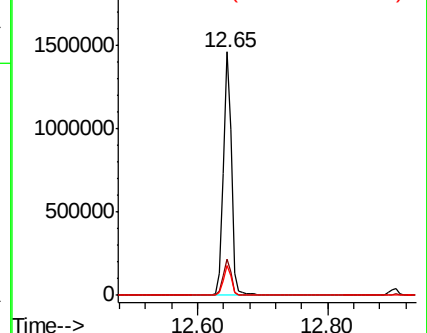
10/16/2019 8:08:01 AM



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 60.629 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

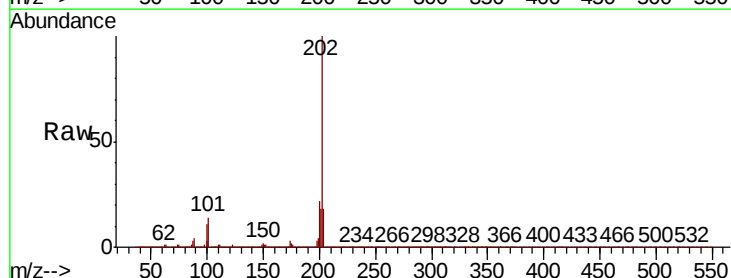
Tgt Ion:202 Resp: 3299900

Ion Ratio Lower Upper

202 100

200 22.3 17.1 25.7

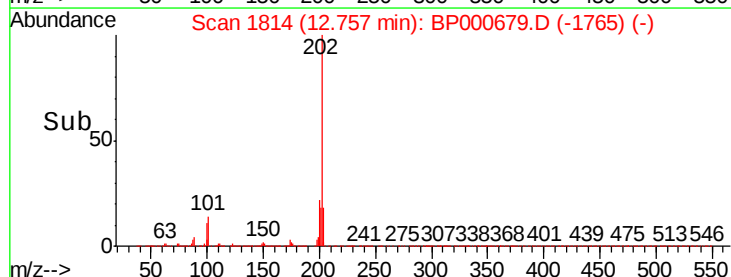
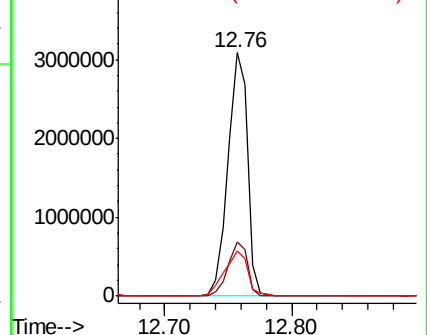
203 18.5 14.6 21.8

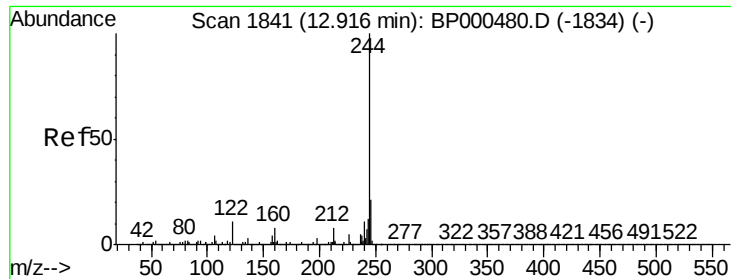


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 68.579 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

Instrument :

BNA_P

ClientSampleId :

SOIL-PILEMSD

Tot Ion:244 Resp: 2672923

Ion Ratio Lower Upper

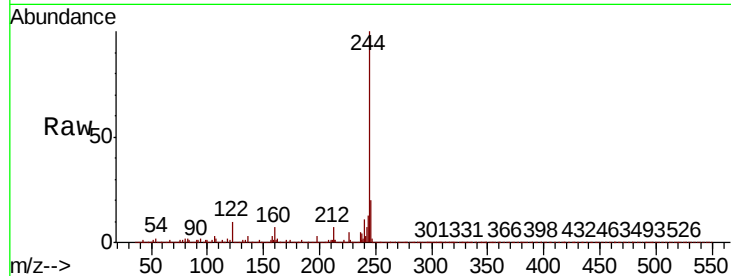
244 100

212 7.5 6.0 9.0

122 10.3 8.9 13.3

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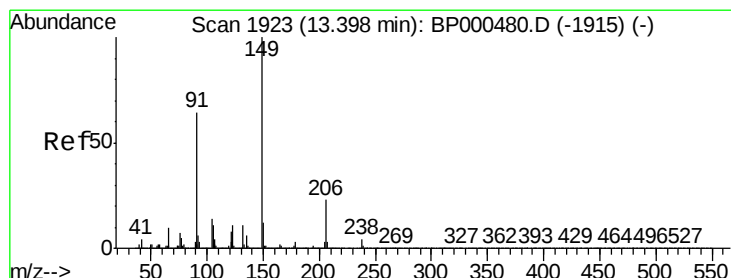
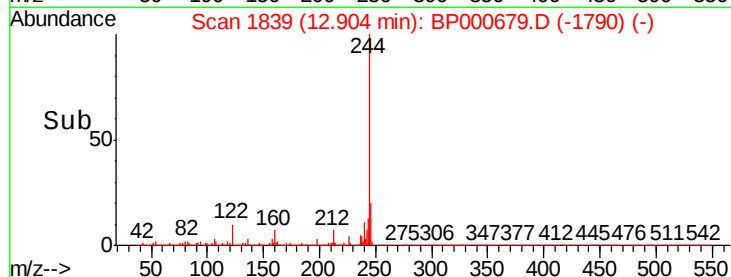
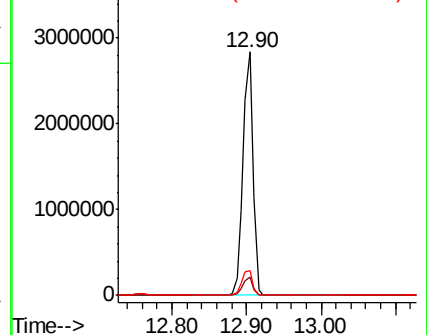
mohammad
10/16/2019 8:08:01 AM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 40.017 ng

RT: 13.39 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

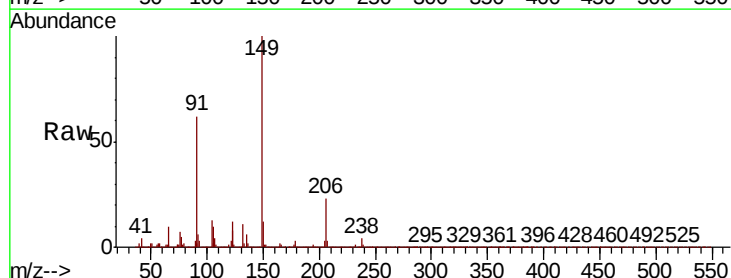
Tgt Ion:149 Resp: 949100

Ion Ratio Lower Upper

149 100

91 61.6 51.0 76.4

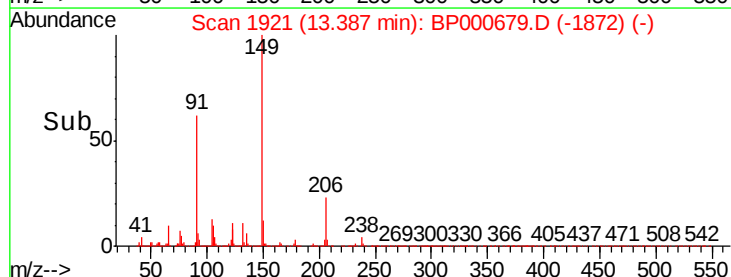
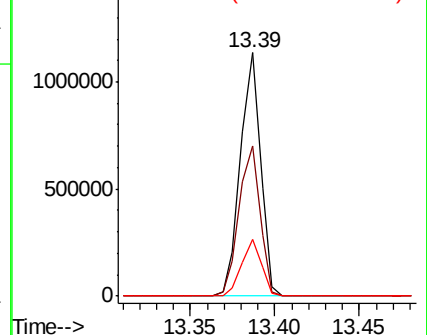
206 23.1 18.2 27.4

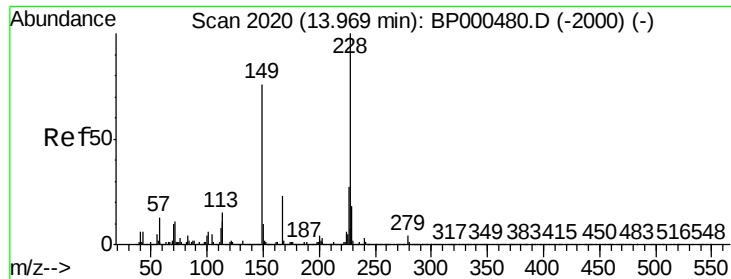


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E





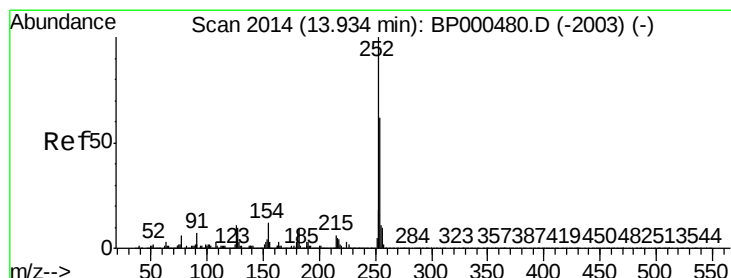
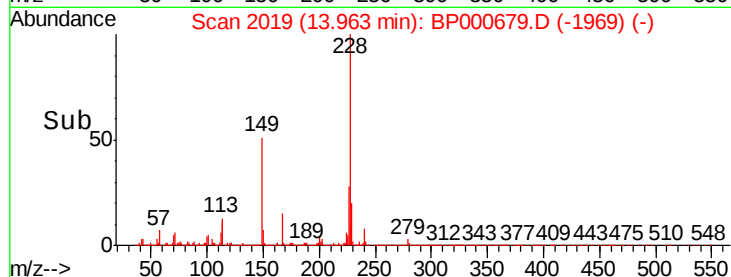
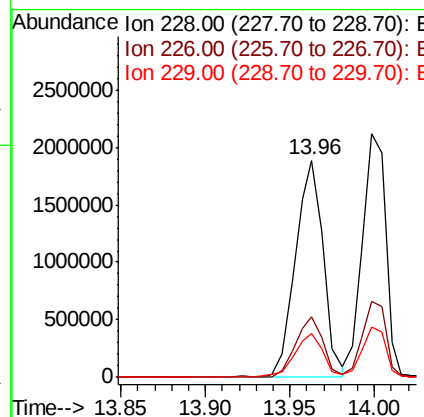
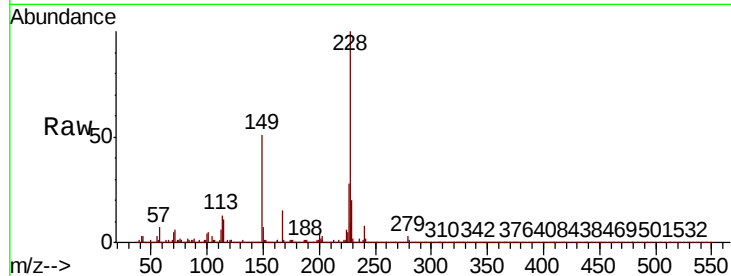
#81
Benzo(a)anthracene
Concen: 44.729 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion:228 Resp: 2153678
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.2
229 20.1 14.7 22.1

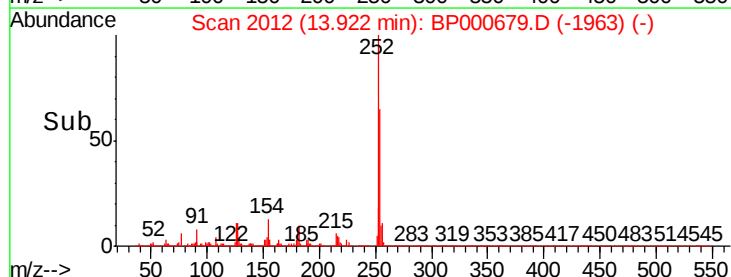
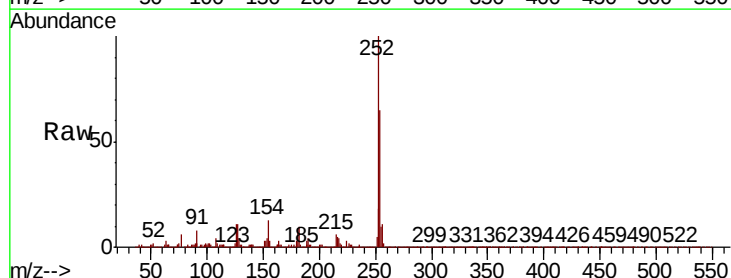
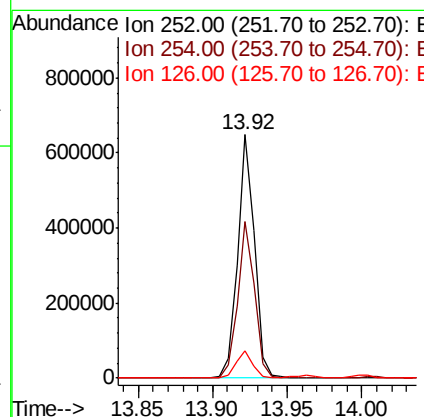
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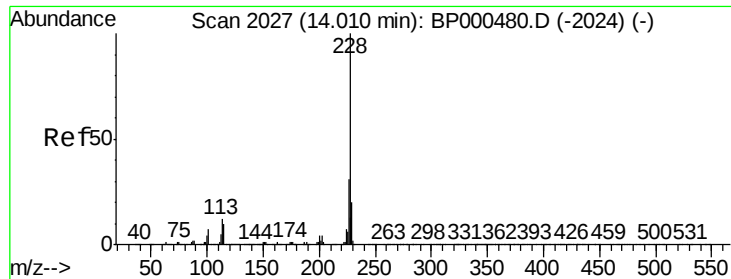
mohammad
10/16/2019 8:08:01 AM



#82
3,3'-Dichlorobenzidine
Concen: 27.271 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion:252 Resp: 521571
Ion Ratio Lower Upper
252 100
254 64.5 49.8 74.8
126 11.4 8.9 13.3





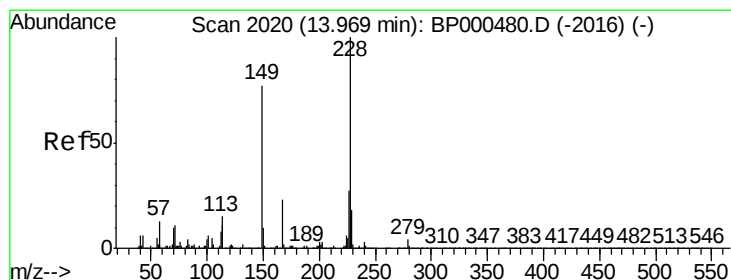
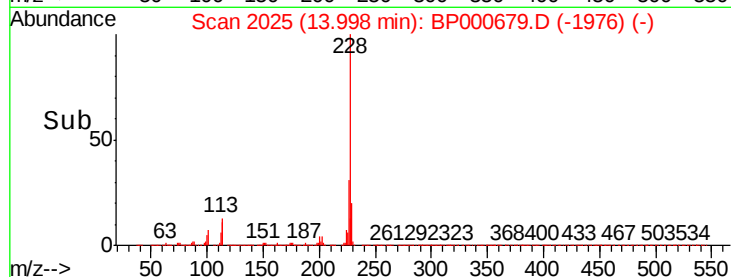
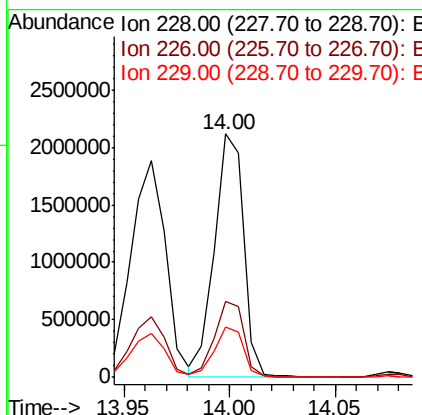
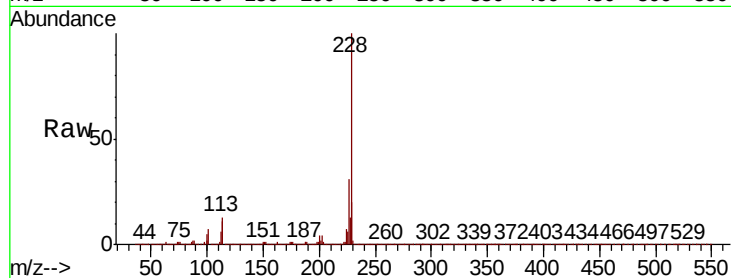
#83
 Chrysene
 Concen: 43.004 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BP000679.D
 Acq: 12 Oct 2019 19:58

Instrument :
 BNA_P
 ClientSampled :
 SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.7	37.1
229	20.5	16.3	24.5

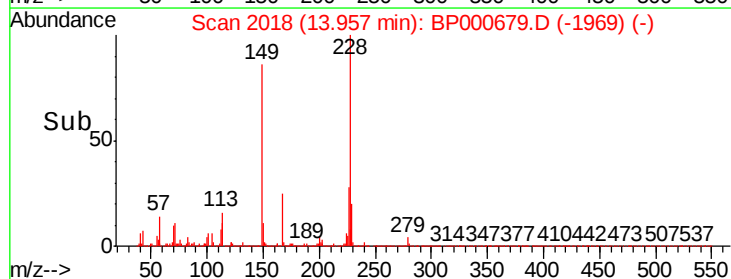
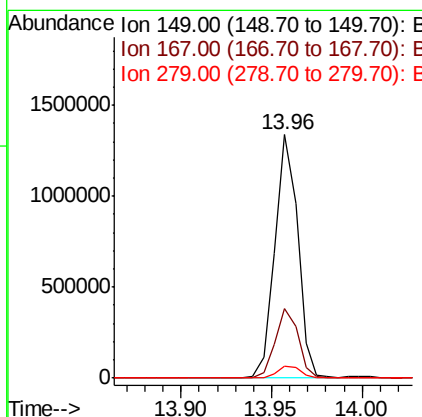
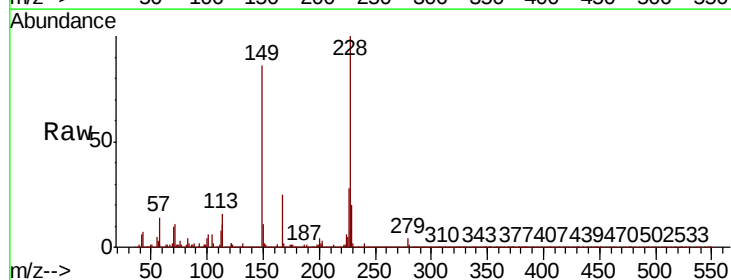
Manual Integrations
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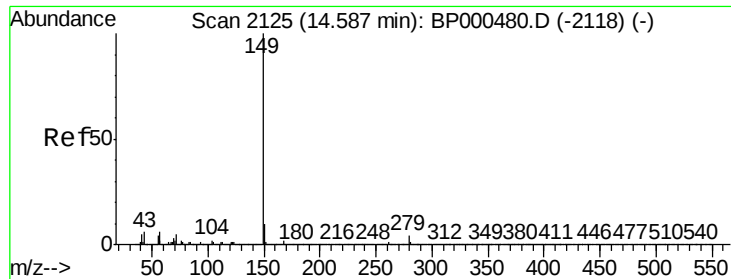
mohammad
 10/16/2019 8:08:01 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 39.400 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BP000679.D
 Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.7	23.6	35.4
279	4.7	3.9	5.9





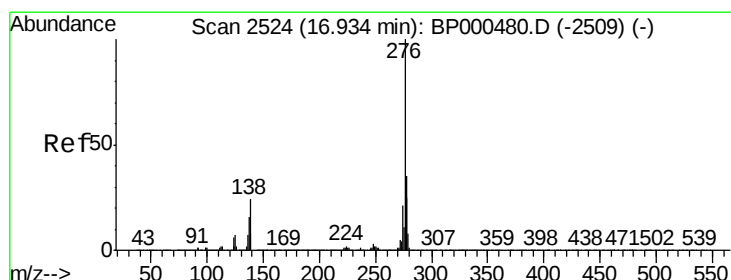
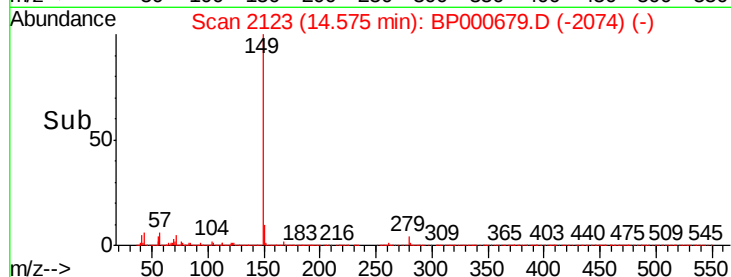
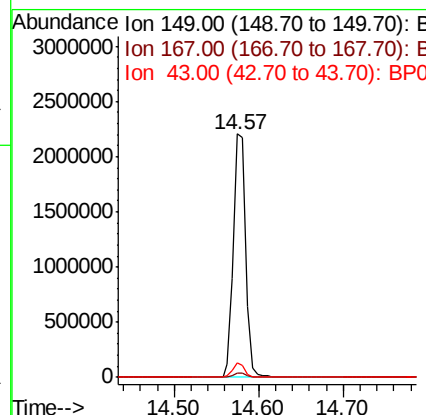
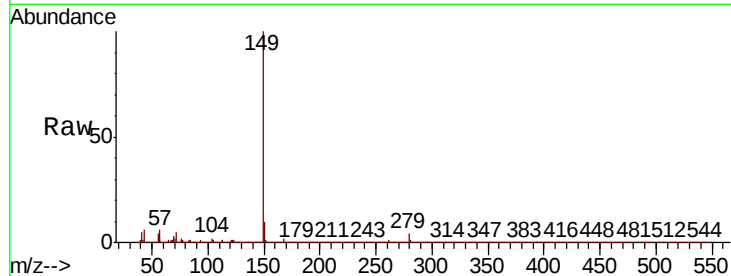
#85
Di-n-octyl phthalate
Concen: 40.730 ng
RT: 14.57 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	5.7	4.6	7.0

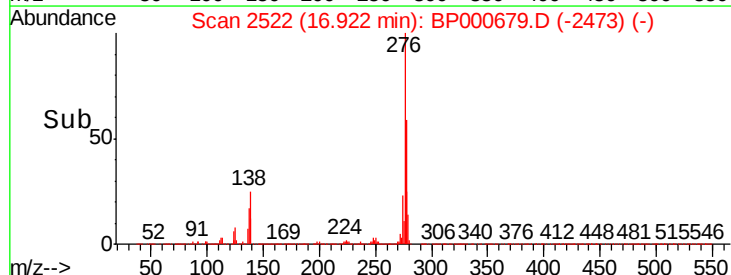
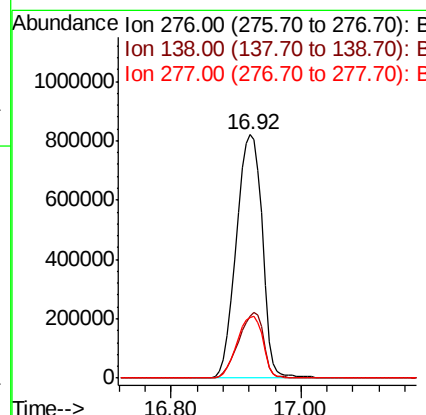
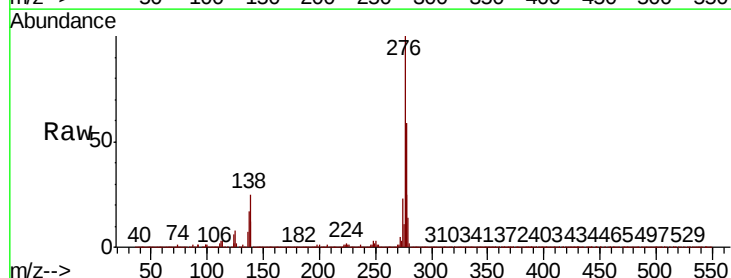
Manual Integrations
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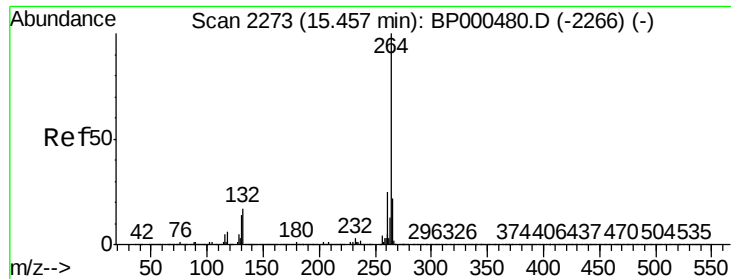
mohammad
10/16/2019 8:08:01 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 38.378 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.3	20.9	31.3
277	25.5	20.6	30.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

Instrument :

BNA_P

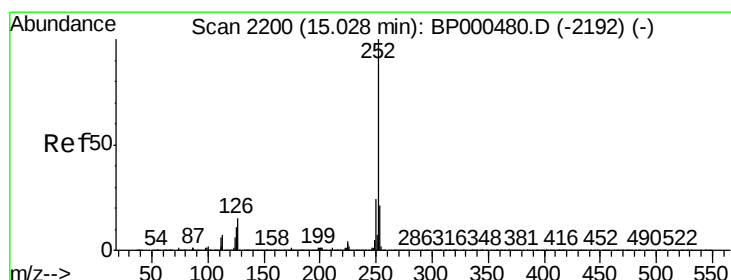
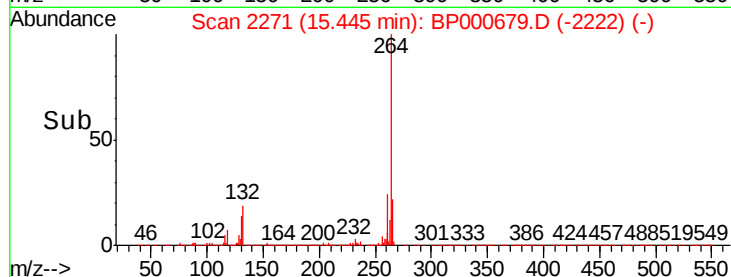
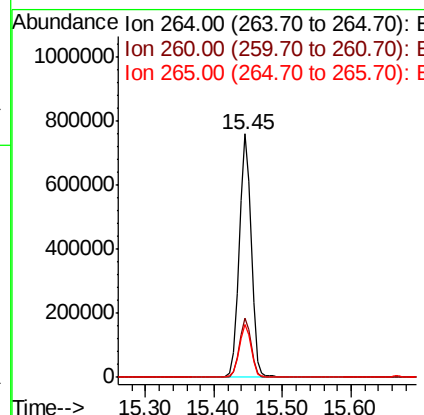
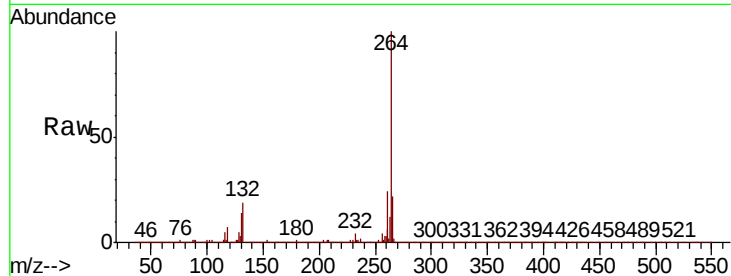
ClientSampleId :

SOIL-PILEMSD

Tot Ion:	264	Resp:	916903
Ion Ratio	Lower	Upper	
264	100		
260	24.4	20.3	30.5
265	21.7	18.0	27.0

Manual Integrations
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mohammad
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#88

Benzo(b)fluoranthene

Concen: 40.707 ng

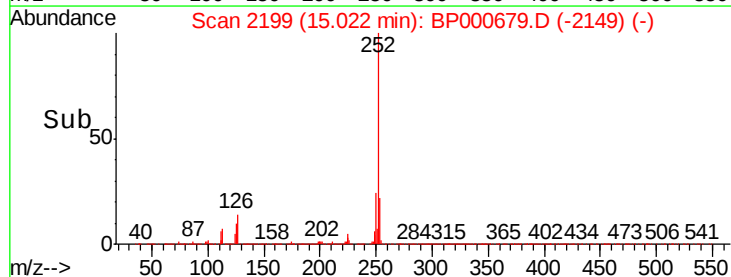
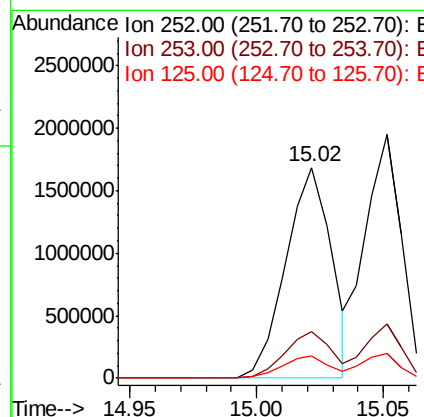
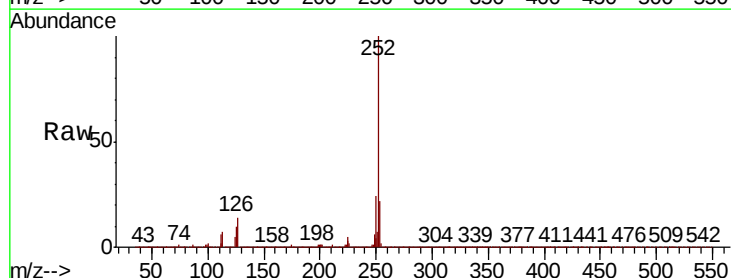
RT: 15.02 min Scan# 2199

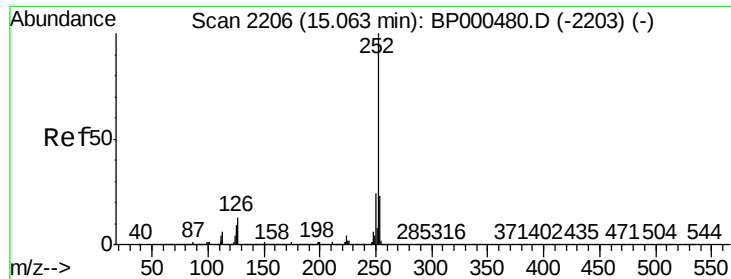
Delta R.T. -0.01 min

Lab File: BP000679.D

Acq: 12 Oct 2019 19:58

Tgt Ion:	252	Resp:	2117495
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.0	25.4
125	10.5	8.9	13.3





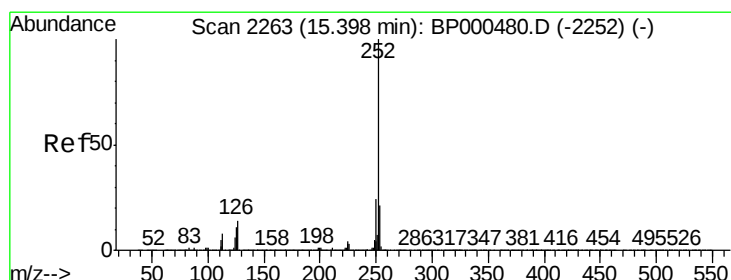
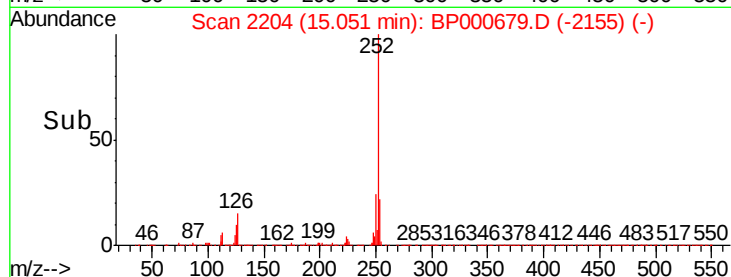
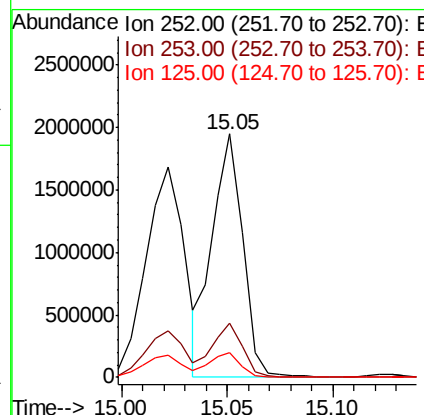
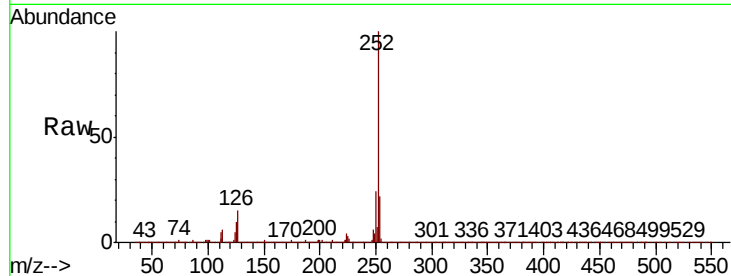
#89
Benzo(k)fluoranthene
Concen: 39.588 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.4	27.6
125	10.2	7.8	11.8

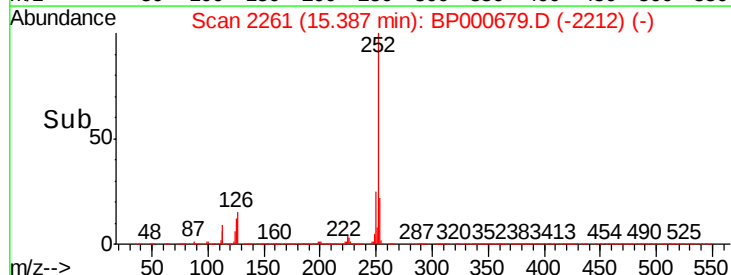
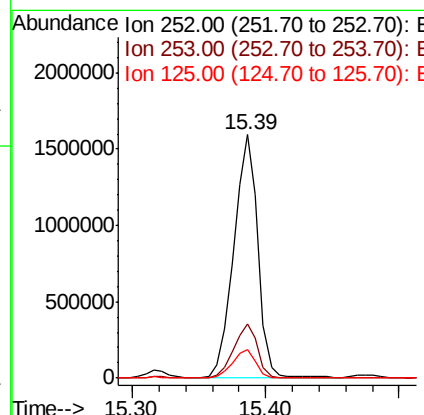
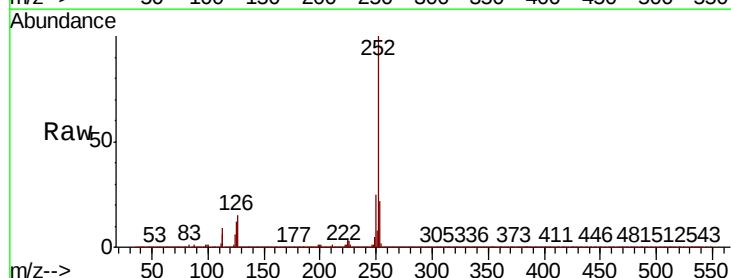
Manual Integrations
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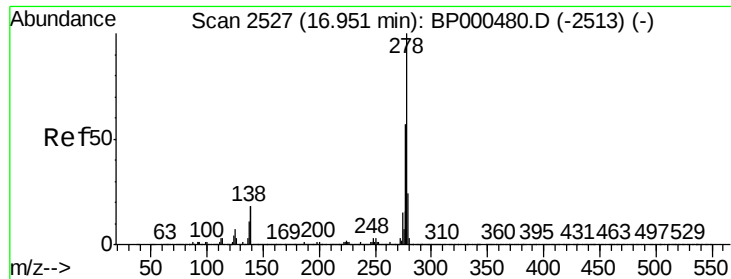
mohammad
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#90
Benzo(a)pyrene
Concen: 41.499 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	11.6	8.4	12.6





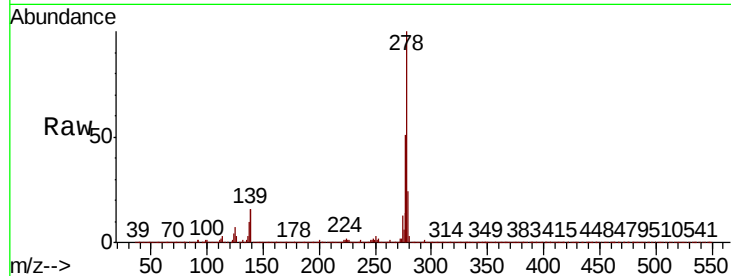
#91
Dibenzo(a,h)anthracene
Concen: 38.808 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.01 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Instrument :
BNA_P
ClientSampleId :
SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.4	14.1	21.1
279	24.0	19.5	29.3

Manual Integrations
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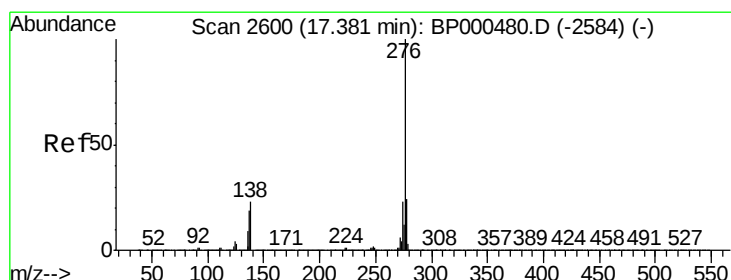
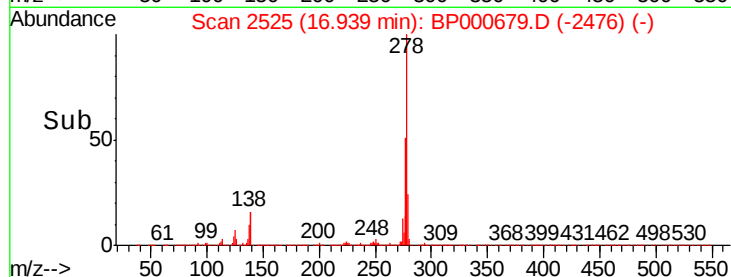
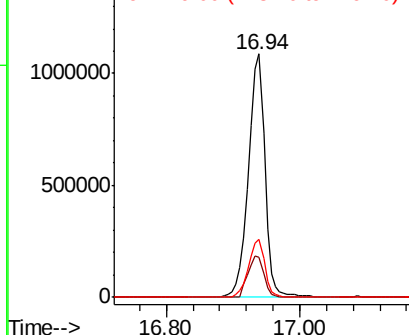


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 39.773 ng
RT: 17.36 min Scan# 2597
Delta R.T. -0.02 min
Lab File: BP000679.D
Acq: 12 Oct 2019 19:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.2
138	23.2	18.5	27.7

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

