

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111920\
 Data File : BF122388.D
 Acq On : 19 Nov 2020 19:08
 Operator : JU/CG
 Sample : L4776-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ND-SOILMSD

Manual Integrations
 APPROVED

mohammad
 11/24/2020 8:54:18 AM

Quant Time: Nov 20 00:03:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 10 12:25:42 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.00	ng	-6.87
21) Naphthalene-d8	8.175	136	311	20.00	ng	# 0.02
39) Acenaphthene-d10	10.063	164	93450	20.00	ng	# 0.15
64) Phenanthrene-d10	11.445	188	822	20.00	ng	# 0.05
76) Chrysene-d12	14.233	240	2337	20.00	ng	# 0.20
86) Perylene-d12	0.000	264	0	0.00	ng	-15.50
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1820238	0.00	ng	0.02
7) Phenol-d6	6.498	99	2173284	0.00	ng	0.00
23) Nitrobenzene-d5	7.434	82	1628349	320537.27	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	865671	863.10	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	2914635	487.32	ng	0.00
79) Terphenyl-d14	12.980	244	3399690	30818.38	ng	0.00
Target Compounds						
22) Acetophenone	7.281	105	1108447	136833.38	ng	# 85
24) Nitrobenzene	7.451	77	902696	155307.90	ng	95
25) Isophorone	7.692	82	1651397	145815.73	ng	96
26) 2-Nitrophenol	7.763	139	444495	151147.47	ng	99
27) 2,4-Dimethylphenol	7.804	122	765792	143360.83	ng	98
28) bis(2-Chloroethoxy)met...	7.898	93	1035393	149474.90	ng	99
29) 2,4-Dichlorophenol	8.004	162	749952	158572.97	ng	98
30) 1,2,4-Trichlorobenzene	8.092	180	778433	149129.25	ng	97
31) Naphthalene	8.175	128	2423844	146593.34	ng	98
32) Benzoic acid	7.922	122	446645	126000.24	ng	97
33) 4-Chloroaniline	8.210	127	217792	30244.95	ng	97
34) Hexachlorobutadiene	8.292	225	461614	153862.48	ng	100
35) Caprolactam	8.598	113	204521m	136434.24	ng	
36) 4-Chloro-3-methylphenol	8.704	107	780248	158176.26	ng	93
37) 2-Methylnaphthalene	8.863	142	1641908	150308.88	ng	98
38) 1-Methylnaphthalene	8.963	142	1542065	150811.65	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	756970	262.87	ng	99
41) Hexachlorocyclopentadiene	9.022	237	841087	499.54	ng	99
43) 2,4,6-Trichlorophenol	9.139	196	552391m	295.37	ng	
44) 2,4,5-Trichlorophenol	9.186	196	599089	305.58	ng	96
46) 1,1'-Biphenyl	9.334	154	1958642	263.31	ng	98
47) 2-Chloronaphthalene	9.357	162	1570633	266.04	ng	97
48) 2-Nitroaniline	9.445	65	485384	251.43	ng	93
49) Acenaphthylene	9.775	152	2416744	266.33	ng	99
50) Dimethylphthalate	9.633	163	2076597	312.62	ng	99
51) 2,6-Dinitrotoluene	9.692	165	446137	281.63	ng	# 81
52) Acenaphthene	9.945	154	1678955	298.94	ng	99
53) 3-Nitroaniline	9.851	138	167301	95.56	ng	97
54) 2,4-Dinitrophenol	9.963	184	383305	252.41	ng	90
55) Dibenzofuran	10.116	168	2232259	271.27	ng	99
56) 4-Nitrophenol	10.022	139	661731	431.28	ng	98
57) 2,4-Dinitrotoluene	10.098	165	603015	296.62	ng	# 81
58) Fluorene	10.457	166	1679301	266.51	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	515054	315.91	ng	98
60) Diethylphthalate	10.333	149	1840724	282.49	ng	98
61) 4-Chlorophenyl-phenyle...	10.451	204	825527	277.53	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111920\
 Data File : BF122388.D
 Acq On : 19 Nov 2020 19:08
 Operator : JU/CG
 Sample : L4776-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ND-SOILMSD

Manual Integrations
 APPROVED

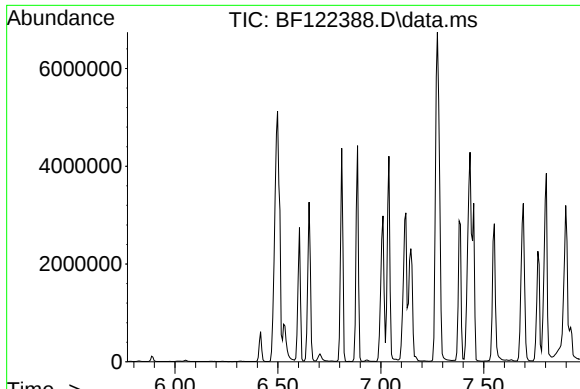
mohammad
 11/24/2020 8:54:18 AM

Quant Time: Nov 20 00:03:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 10 12:25:42 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

62) 4-Nitroaniline	10.475	138	447446	255.88	ng	97
63) Azobenzene	10.610	77	1788483	261.62	ng	95
65) 4,6-Dinitro-2-methylph...	10.504	198	281719	3005.00	ng	89
66) n-Nitrosodiphenylamine	10.569	169	1583164	56527.91	ng	94
67) 4-Bromophenyl-phenylether	10.939	248	583358	60392.60	ng	98
68) Hexachlorobenzene	11.004	284	636333	60972.90	ng	97
69) Atrazine	11.098	200	463384	66436.29	ng	96
70) Pentachlorophenol	11.198	266	756909	125884.92	ng	99
71) Phenanthrene	11.422	178	2594096m	55621.64	ng	
72) Anthracene	11.469	178	2643800	55002.80	ng	98
73) Carbazole	11.622	167	2442862	55865.23	ng	99
74) Di-n-butylphthalate	11.957	149	2740125	58779.91	ng	99
75) Fluoranthene	12.610	202	2748470	56449.00	ng	97
77) Benzidine	12.980	184	45626	703.90	ng #	92
78) Pyrene	12.839	202	2791735	17003.77	ng	99
80) Butylbenzylphthalate	13.457	149	1217665	17230.43	ng	90
81) Benzo(a)anthracene	14.021	228	2373940m	16333.54	ng	
82) 3,3'-Dichlorobenzidine	13.980	252	404200	7462.64	ng	99
83) Chrysene	14.063	228	2463689	16829.57	ng	97
84) Bis(2-ethylhexyl)phtha...	14.016	149	1474504	18626.07	ng #	97
85) Di-n-octyl phthalate	14.627	149	2655109	19789.56	ng	96

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



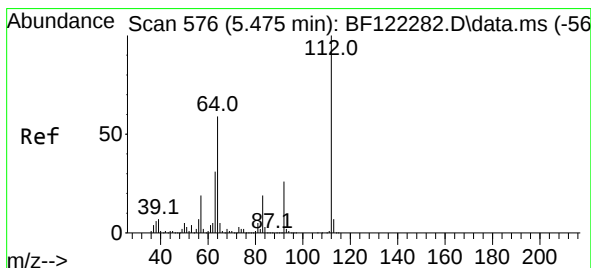
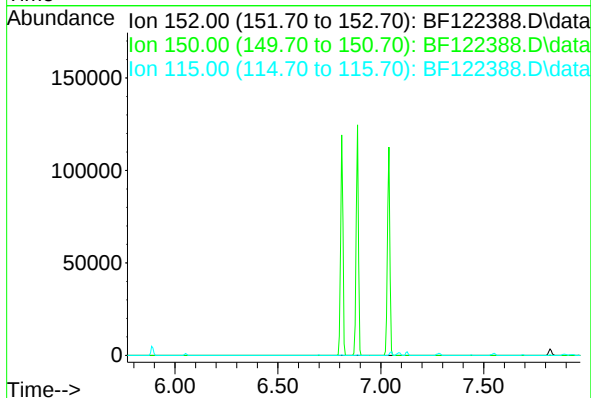
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.00 ng
 Expected RT: 6.87 min
 Lab File: BF122388.D
 Acq: 19 Nov 2020 19:08

Tgt Ion: 152
 Sig Exp Ratio
 152 100
 150 156.6
 115 64.9

Instrument :
 BNA_F
 ClientSampleId :
 ND-SOILMSD

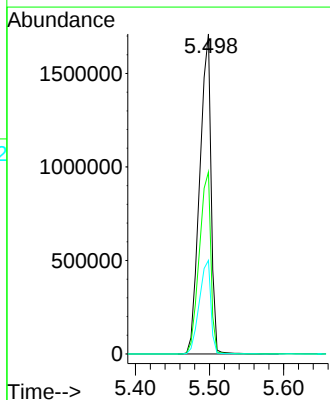
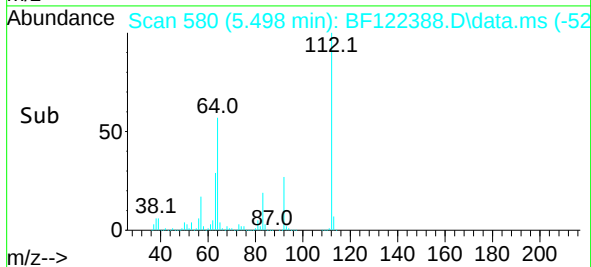
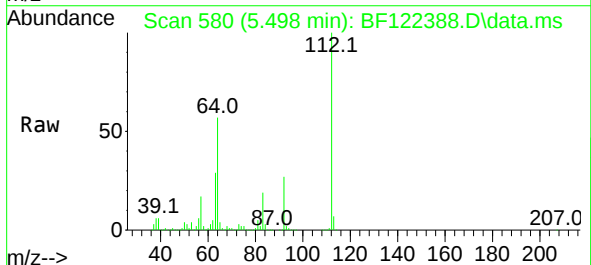
Manual Integrations
 APPROVED

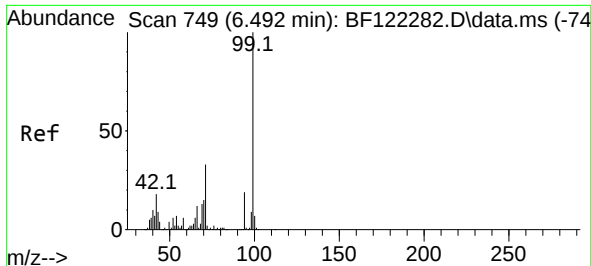
mohammad
 11/24/2020 8:54:18 AM



#5
 2-Fluorophenol
 Concen: 0.00 ng
 RT: 5.498 min Scan# 580
 Delta R.T. 0.024 min
 Lab File: BF122388.D
 Acq: 19 Nov 2020 19:08

Tgt Ion: 112 Resp: 1820238
 Ion Ratio Lower Upper
 112 100
 64 56.8 50.4 75.6
 63 29.2 25.8 38.6





#7
Phenol-d6
Concen: 0.00 ng
RT: 6.498 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

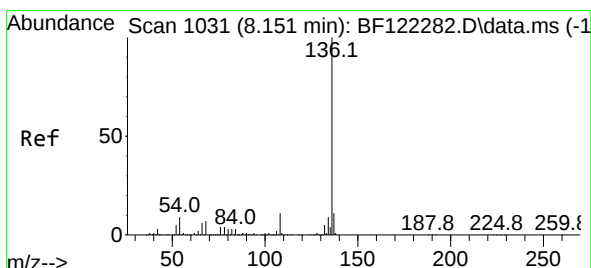
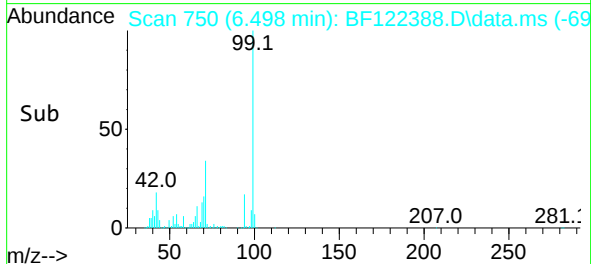
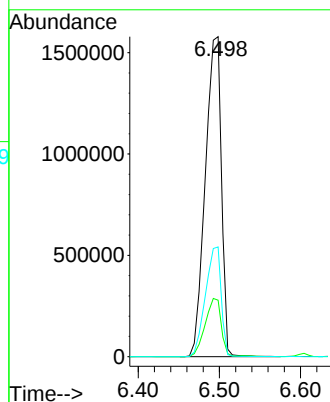
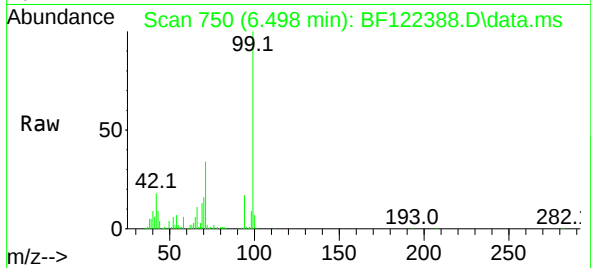
Tgt Ion: 99 Resp: 2173284

Ion	Ratio	Lower	Upper
99	100		
42	17.6	15.9	23.9
71	34.3	27.1	40.7

Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

Manual Integrations
APPROVED

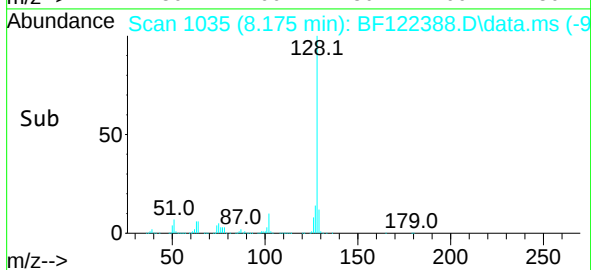
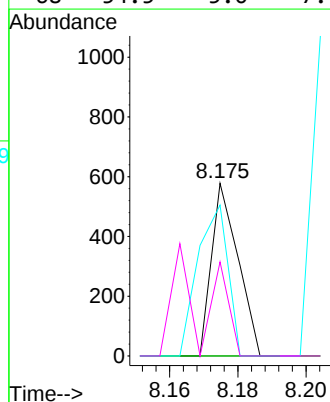
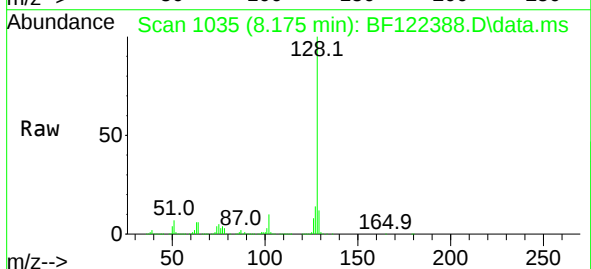
mohammad
11/24/2020 8:54:18 AM

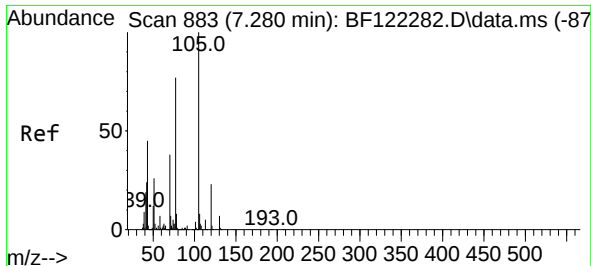


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. 0.024 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion: 136 Resp: 311

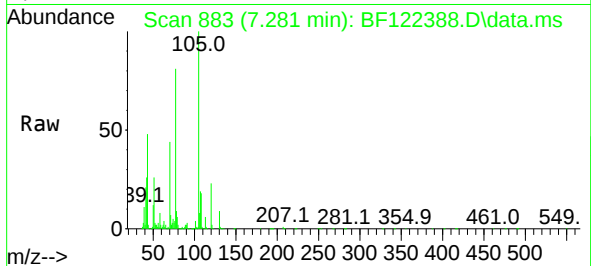
Ion	Ratio	Lower	Upper
136	100		
137	0.0	8.6	13.0#
54	87.4	7.1	10.7#
68	54.5	5.0	7.4#





#22
Acetophenone
Concen: 136833.38 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

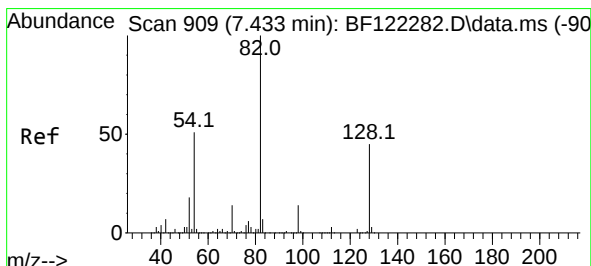
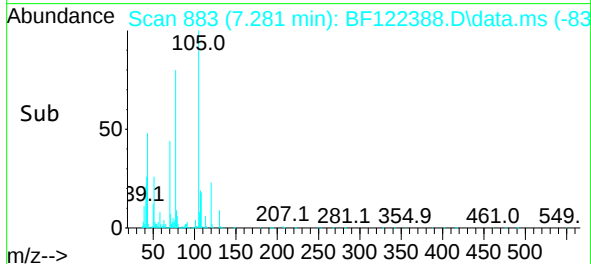
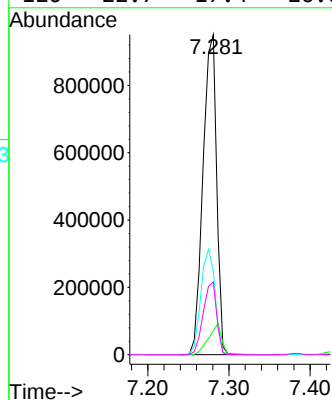
Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD



Tgt Ion:105 Resp: 1108447
Ion Ratio Lower Upper
105 100
71 7.5 5.3 7.9
51 26.2 33.2 49.8#
120 22.7 17.4 26.0

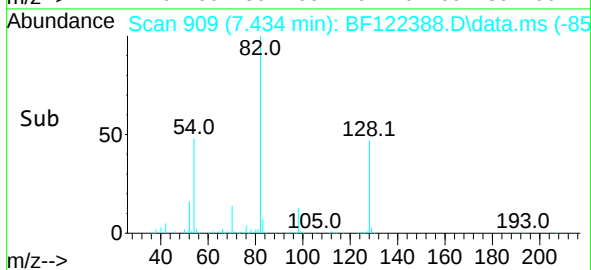
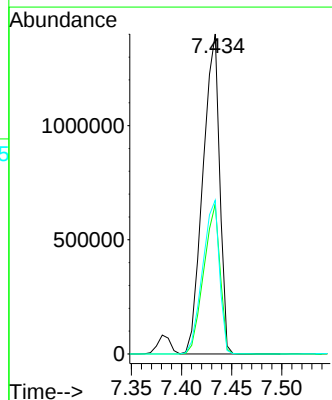
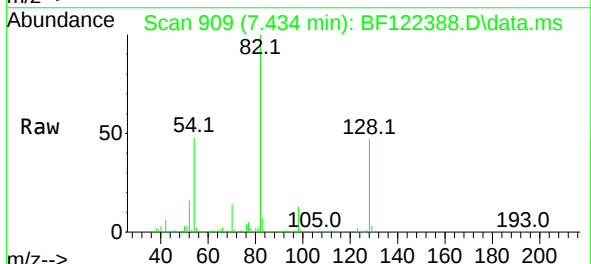
Manual Integrations
APPROVED

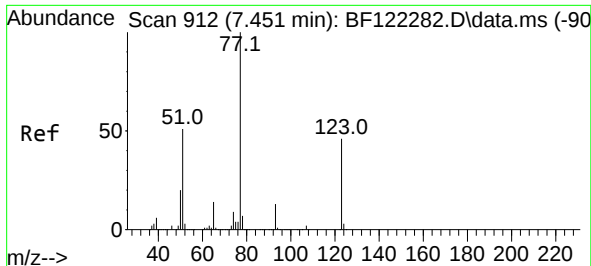
mohammad
11/24/2020 8:54:18 AM



#23
Nitrobenzene-d5
Concen: 320537.27 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion: 82 Resp: 1628349
Ion Ratio Lower Upper
82 100
128 46.8 35.0 52.4
54 48.0 43.9 65.9





#24

Nitrobenzene

Concen: 155307.90 ng

RT: 7.451 min Scan# 912

Delta R.T. 0.000 min

Lab File: BF122388.D

Acq: 19 Nov 2020 19:08

Tgt Ion:	77	Resp:	902696
Ion	Ratio	Lower	Upper
77	100		
123	48.3	35.6	53.4
65	13.7	11.2	16.8

Instrument :

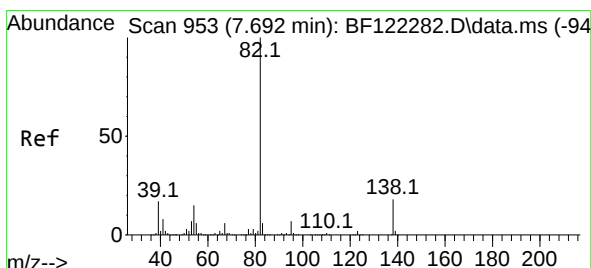
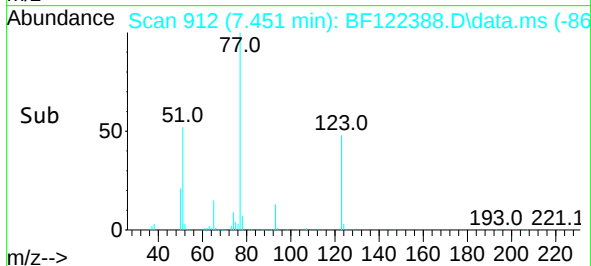
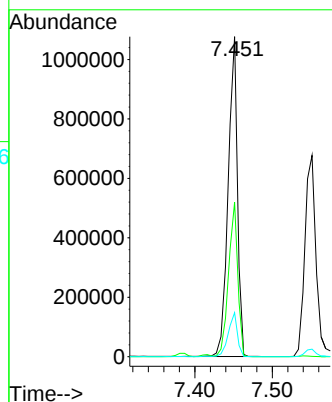
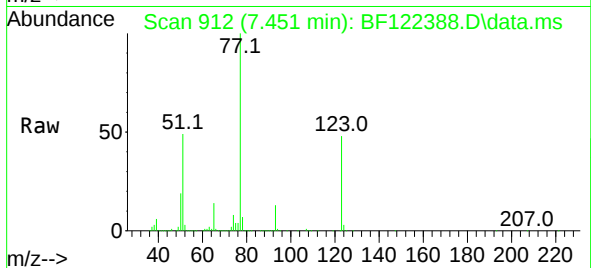
BNA_F

ClientSampleId :

ND-SOILMSD

Manual Integrations
APPROVED

mohammad
11/24/2020 8:54:18 AM



#25

Isophorone

Concen: 145815.73 ng

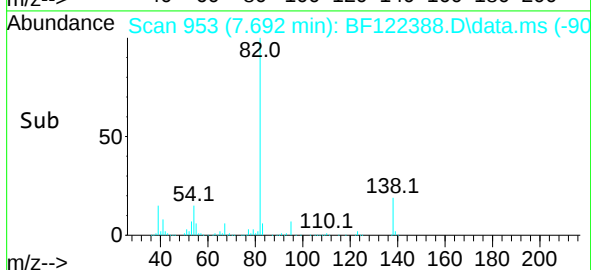
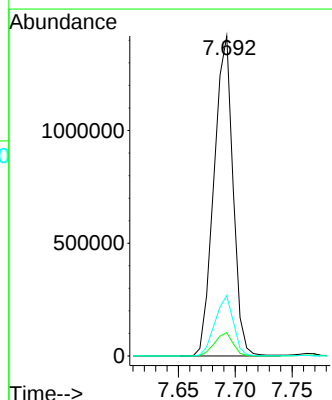
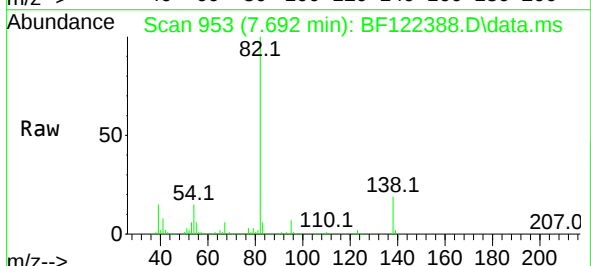
RT: 7.692 min Scan# 953

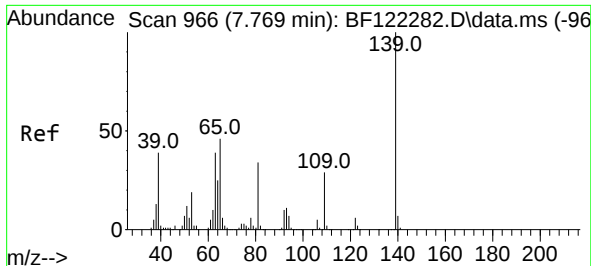
Delta R.T. 0.000 min

Lab File: BF122388.D

Acq: 19 Nov 2020 19:08

Tgt Ion:	82	Resp:	1651397
Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.4	8.0
138	18.9	13.4	20.0





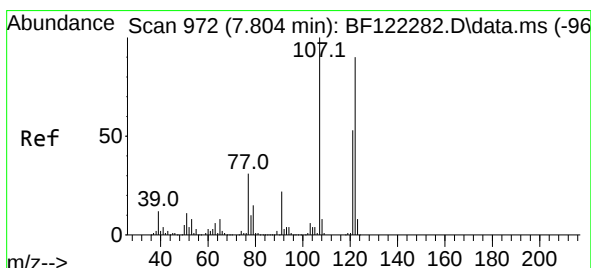
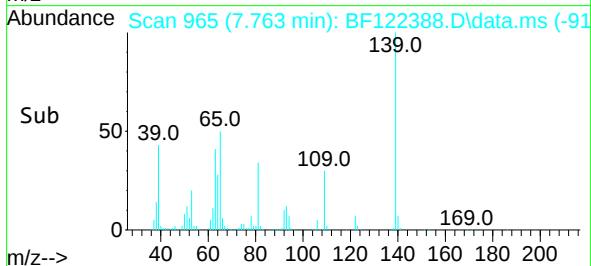
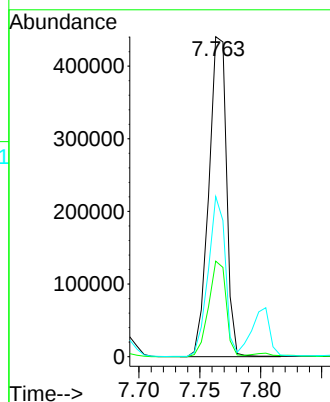
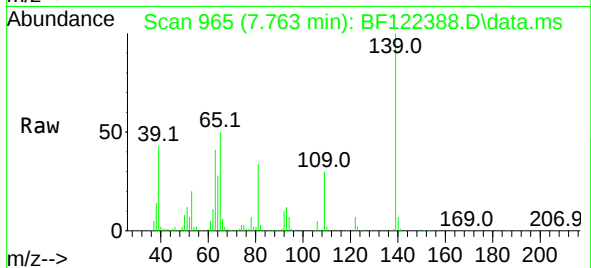
#26
2-Nitrophenol
Concen: 151147.47 ng
RT: 7.763 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion:139 Resp: 444495
Ion Ratio Lower Upper
139 100
109 29.9 23.0 34.4
65 50.0 39.9 59.9

Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

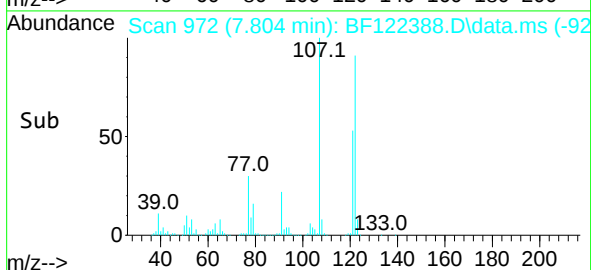
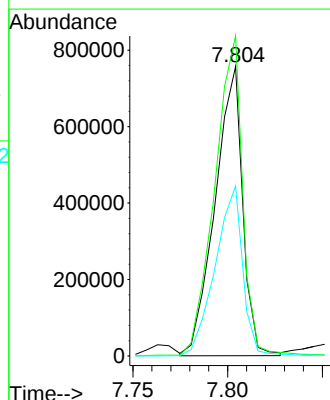
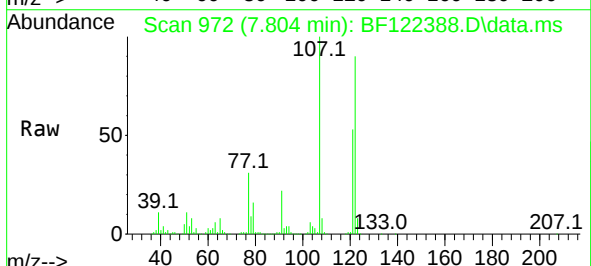
Manual Integrations
APPROVED

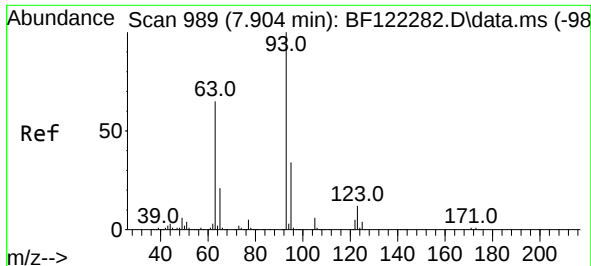
mohammad
11/24/2020 8:54:18 AM



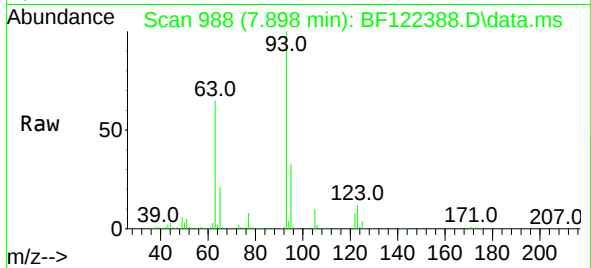
#27
2,4-Dimethylphenol
Concen: 143360.83 ng
RT: 7.804 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion:122 Resp: 765792
Ion Ratio Lower Upper
122 100
107 110.5 90.8 136.2
121 58.7 47.5 71.3

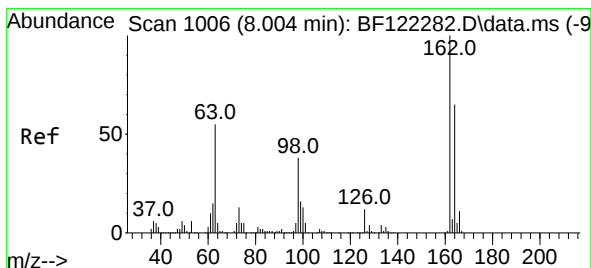
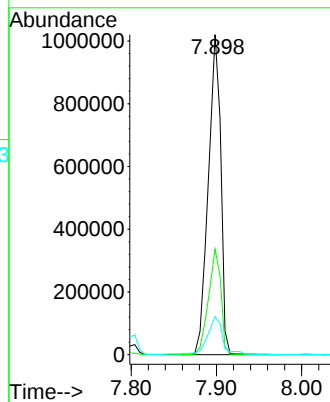
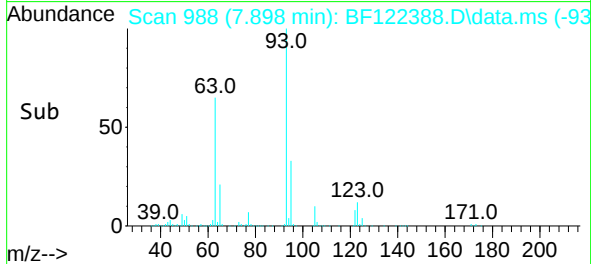




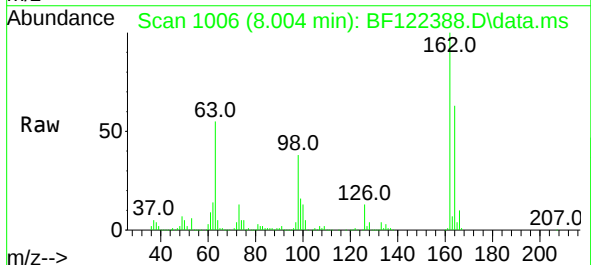
#28
bis(2-Chloroethoxy)methane
Concen: 149474.90 ng
RT: 7.898 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08



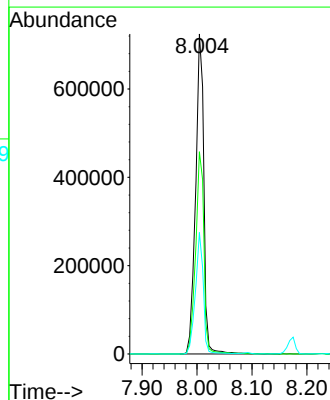
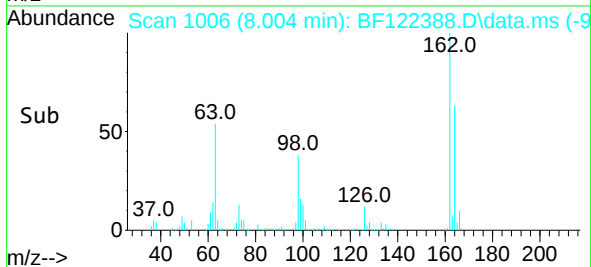
Tgt Ion: 93 Resp: 1035393
Ion Ratio Lower Upper
93 100
95 33.0 26.2 39.4
123 11.9 8.8 13.2



#29
2,4-Dichlorophenol
Concen: 158572.97 ng
RT: 8.004 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08



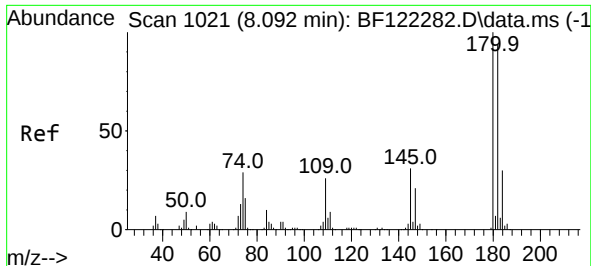
Tgt Ion: 162 Resp: 749952
Ion Ratio Lower Upper
162 100
164 63.2 42.5 82.5
98 38.0 20.1 60.1



Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

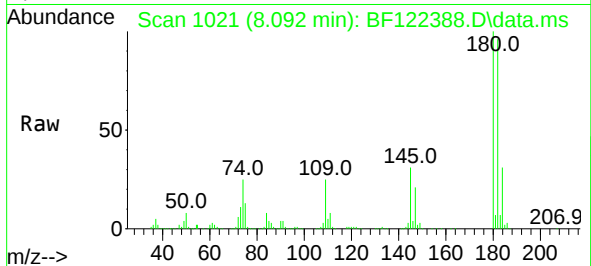
Manual Integrations
APPROVED

mohammad
11/24/2020 8:54:18 AM



#30
1,2,4-Trichlorobenzene
Concen: 149129.25 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

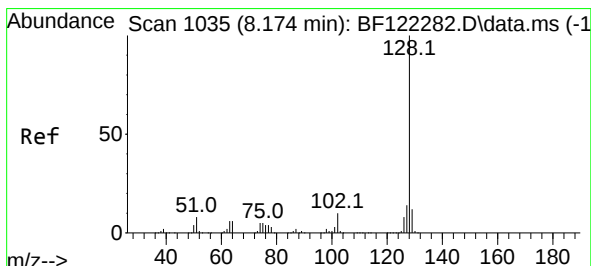
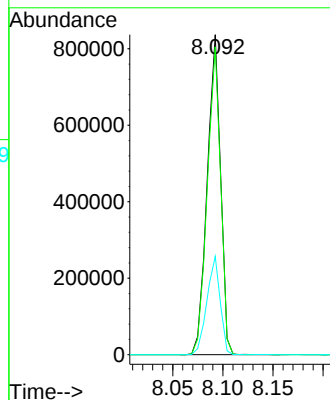
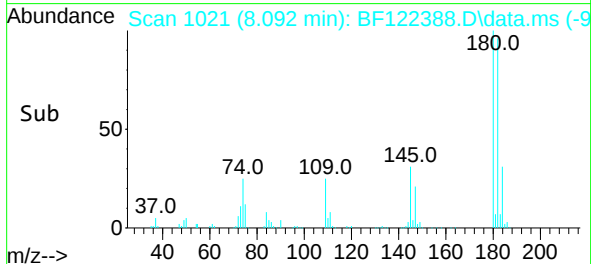
Instrument :
BNA_F
ClientSampled :
ND-SOILMSD



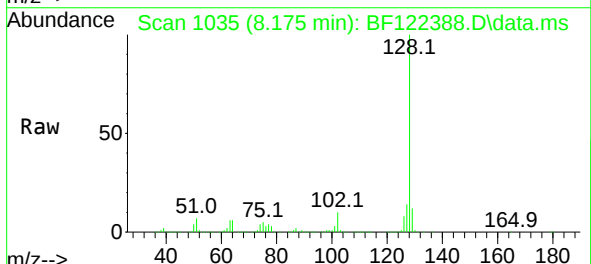
Tgt Ion:180 Resp: 778433
Ion Ratio Lower Upper
180 100
182 96.2 79.4 119.2
145 30.7 25.5 38.3

Manual Integrations
APPROVED

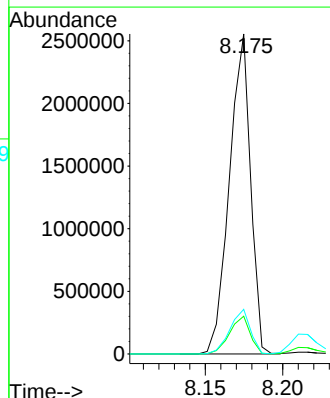
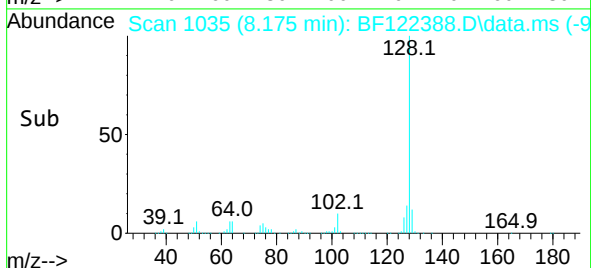
mohammad
11/24/2020 8:54:18 AM

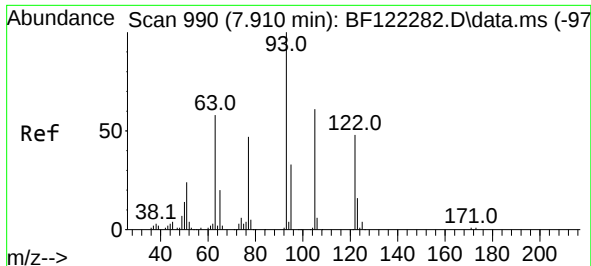


#31
Naphthalene
Concen: 146593.34 ng
RT: 8.175 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

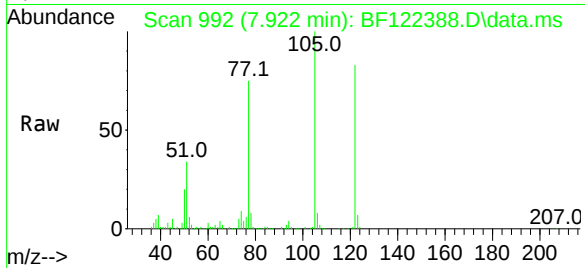


Tgt Ion:128 Resp: 2423844
Ion Ratio Lower Upper
128 100
129 11.8 8.7 13.1
127 14.0 10.8 16.2

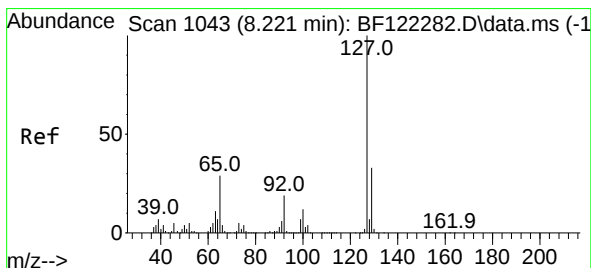
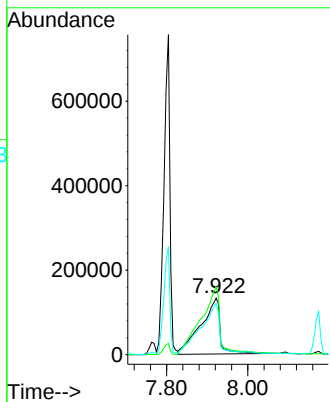
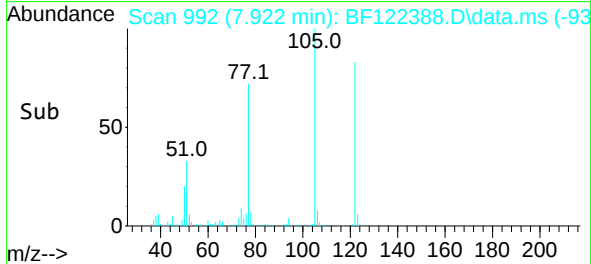




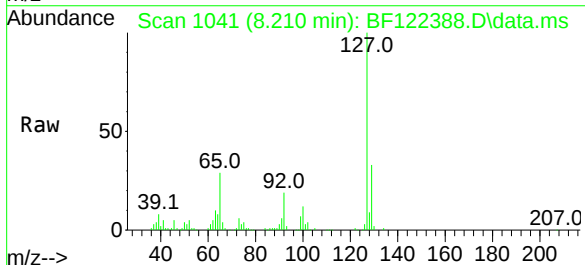
#32
Benzoic acid
Concen: 126000.24 ng
RT: 7.922 min Scan# 992
Delta R.T. 0.012 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08



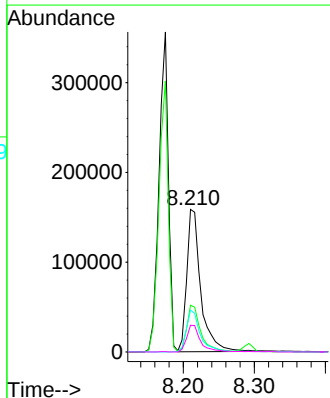
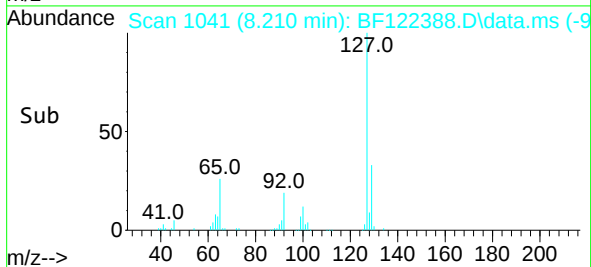
Tgt Ion:122 Resp: 446645
Ion Ratio Lower Upper
122 100
105 120.0 103.3 143.3
77 90.6 73.9 113.9



#33
4-Chloroaniline
Concen: 30244.95 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.011 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08



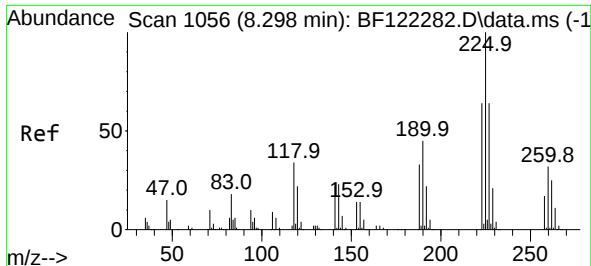
Tgt Ion:127 Resp: 217792
Ion Ratio Lower Upper
127 100
129 32.8 26.3 39.5
65 29.3 26.2 39.2
92 18.8 15.9 23.9



Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

Manual Integrations
APPROVED

mohammad
11/24/2020 8:54:18 AM



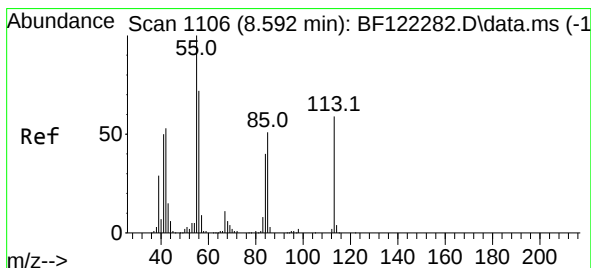
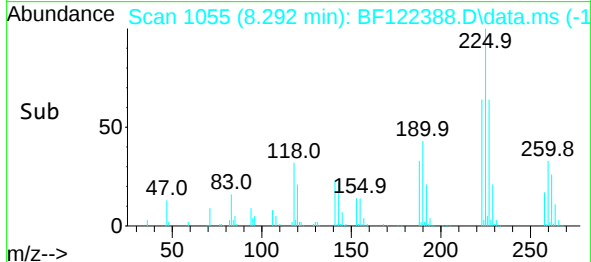
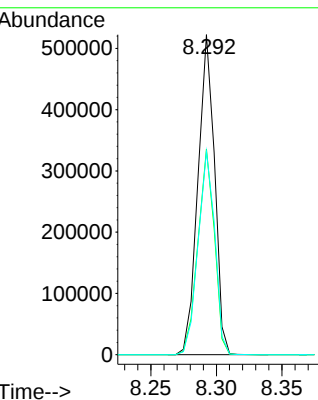
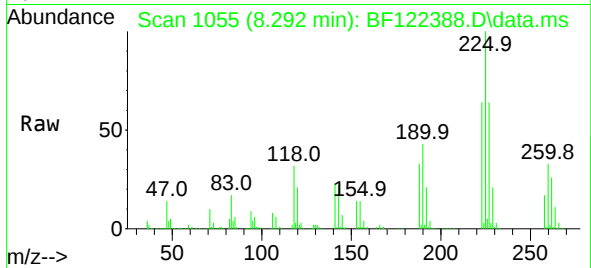
#34
Hexachlorobutadiene
Concen: 153862.48 ng
RT: 8.292 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion:225 Resp: 461614
Ion Ratio Lower Upper
225 100
223 64.2 51.1 76.7
227 63.5 51.0 76.6

Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

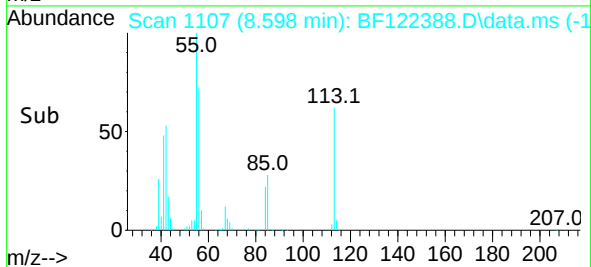
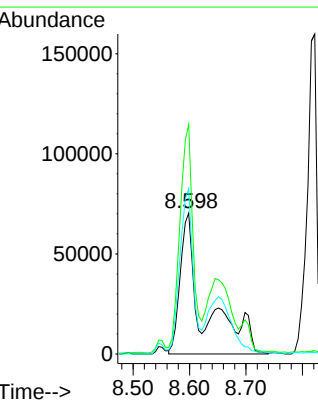
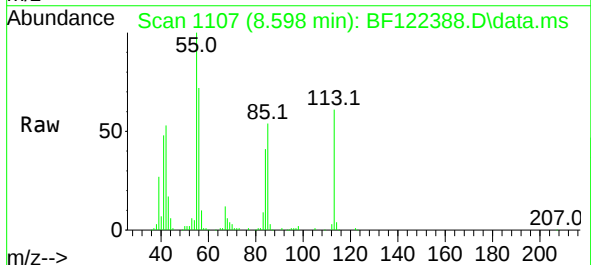
Manual Integrations
APPROVED

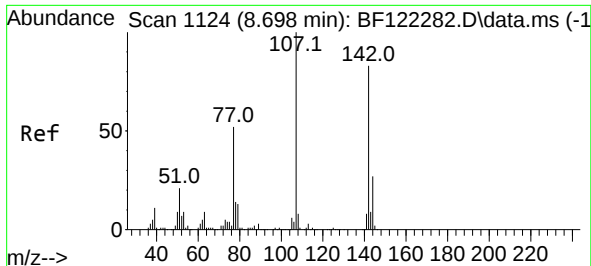
mohammad
11/24/2020 8:54:18 AM



#35
Caprolactam
Concen: 136434.24 ng m
RT: 8.598 min Scan# 1107
Delta R.T. 0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion:113 Resp: 204521
Ion Ratio Lower Upper
113 100
55 162.9 167.5 207.5#
56 117.4 121.2 161.2#





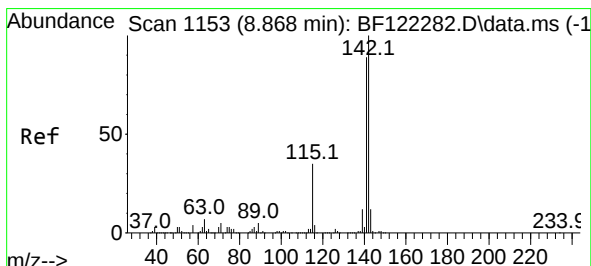
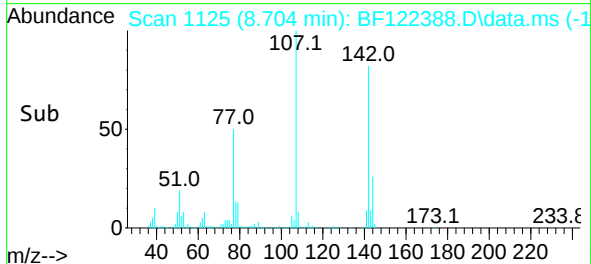
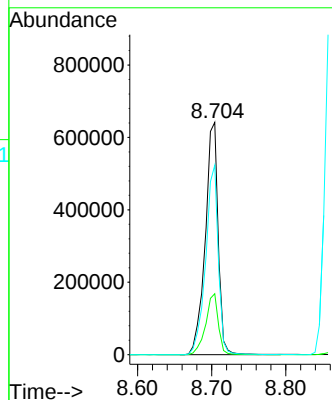
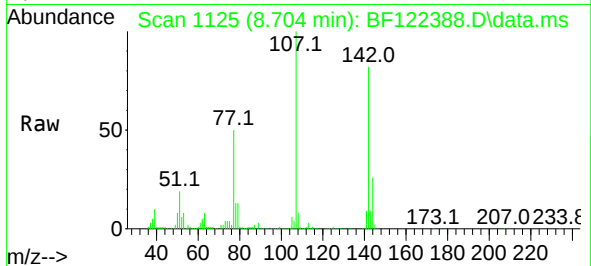
#36
4-Chloro-3-methylphenol
Concen: 158176.26 ng
RT: 8.704 min Scan# 1125
Delta R.T. 0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion:	107	Resp:	780248
Ion	Ratio	Lower	Upper
107	100		
144	26.3	20.1	30.1
142	81.6	59.3	88.9

Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

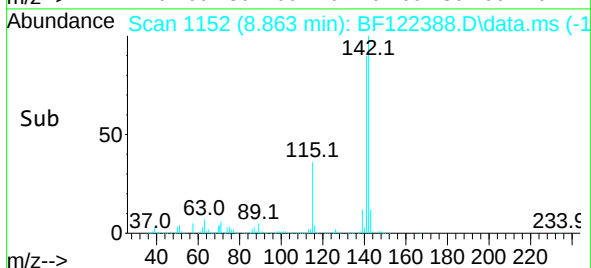
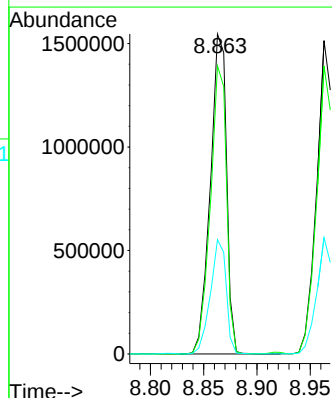
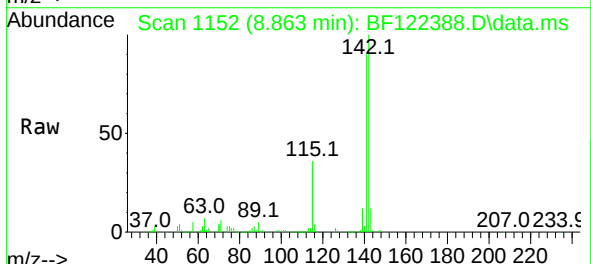
Manual Integrations
APPROVED

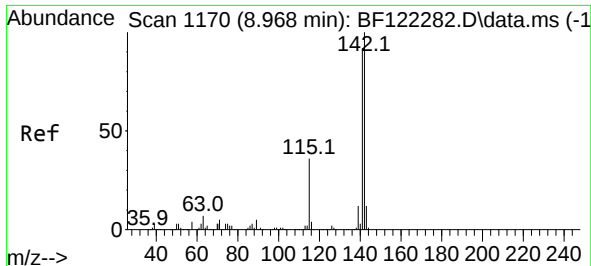
mohammad
11/24/2020 8:54:18 AM



#37
2-Methylnaphthalene
Concen: 150308.88 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion:	142	Resp:	1641908
Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.2	105.4
115	35.7	28.6	43.0





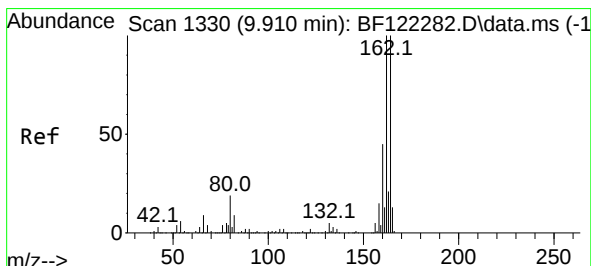
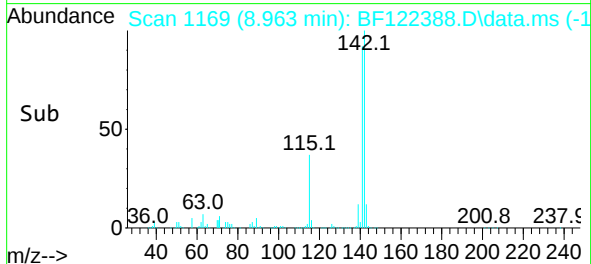
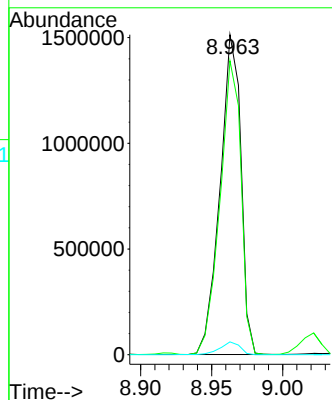
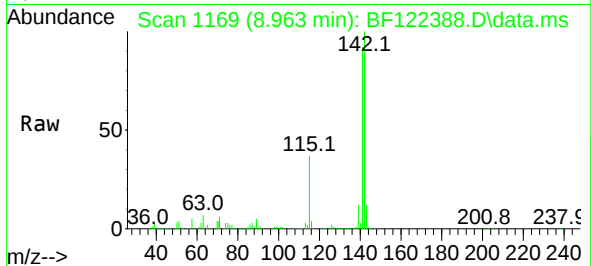
#38
1-Methylnaphthalene
Concen: 150811.65 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion:142 Resp: 1542065
Ion Ratio Lower Upper
142 100
141 91.8 74.5 111.7
116 4.0 3.2 4.8

Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

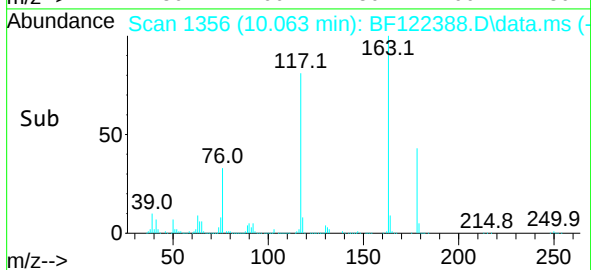
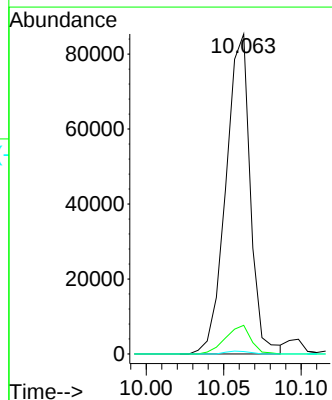
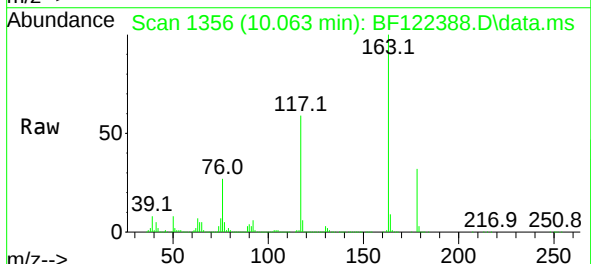
Manual Integrations
APPROVED

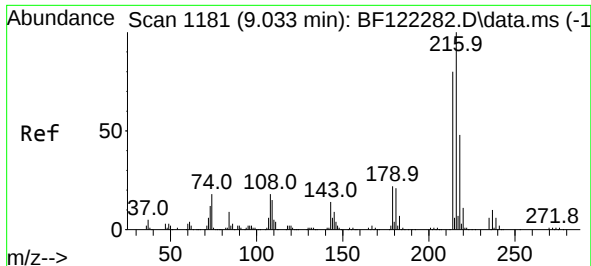
mohammad
11/24/2020 8:54:18 AM



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.063 min Scan# 1356
Delta R.T. 0.153 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

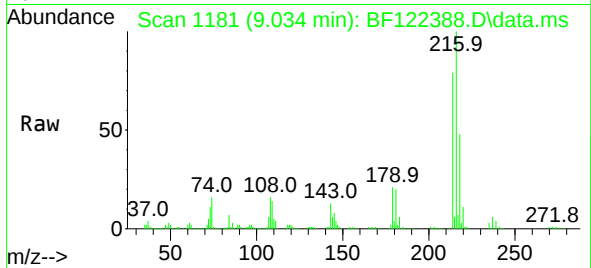
Tgt Ion:164 Resp: 93450
Ion Ratio Lower Upper
164 100
162 8.9 83.2 124.8#
160 0.8 37.5 56.3#





#40
1,2,4,5-Tetrachlorobenzene
Concen: 262.87 ng
RT: 9.034 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

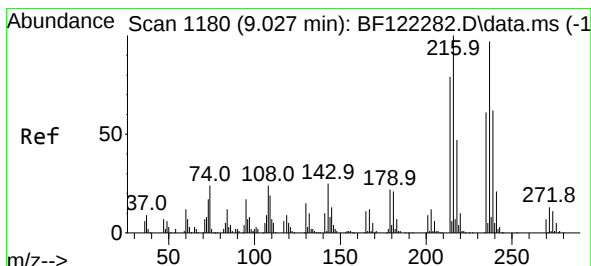
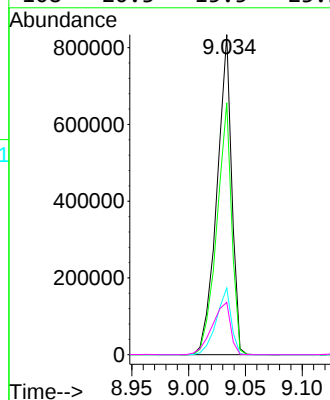
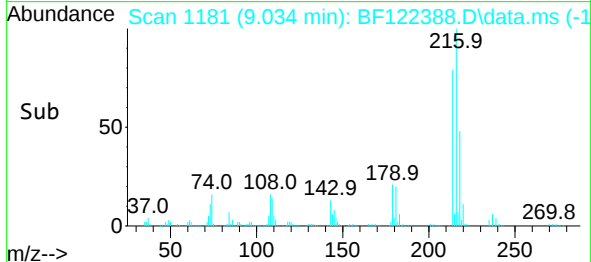
Instrument :
BNA_F
ClientSampled :
ND-SOILMSD



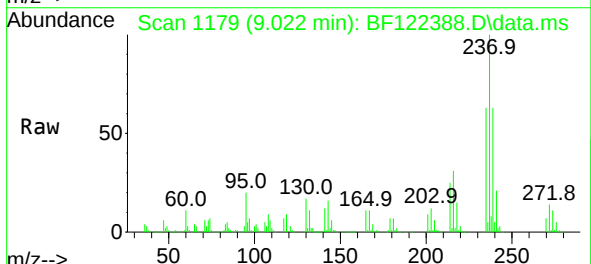
Tgt Ion:216 Resp: 756970
Ion Ratio Lower Upper
216 100
214 78.7 63.4 95.2
179 20.9 17.0 25.6
108 20.3 15.5 23.3

Manual Integrations
APPROVED

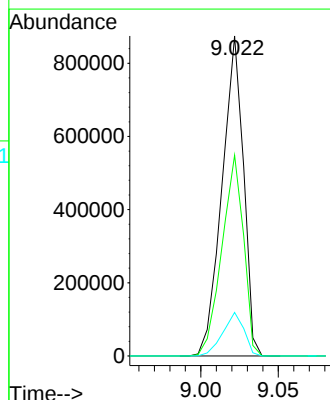
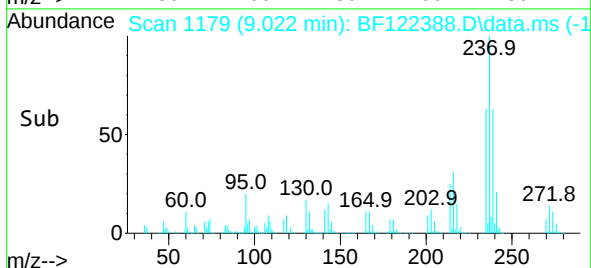
mohammad
11/24/2020 8:54:18 AM

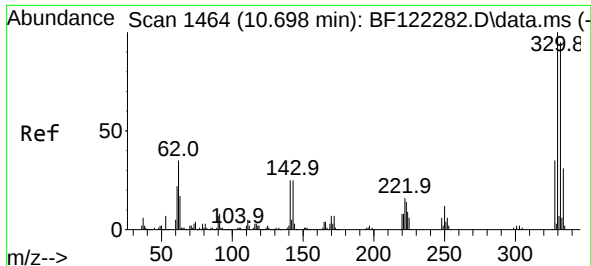


#41
Hexachlorocyclopentadiene
Concen: 499.54 ng
RT: 9.022 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08



Tgt Ion:237 Resp: 841087
Ion Ratio Lower Upper
237 100
235 62.8 41.8 81.8
272 13.6 0.0 33.5





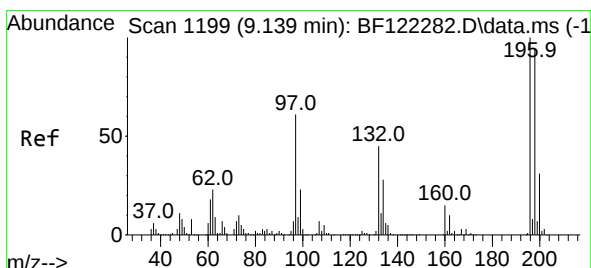
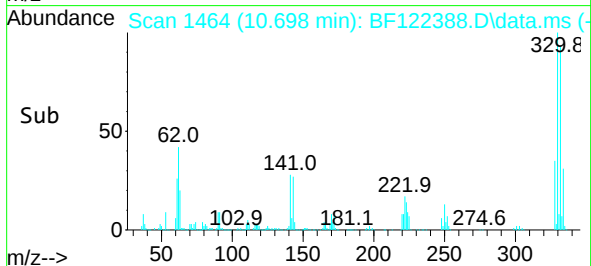
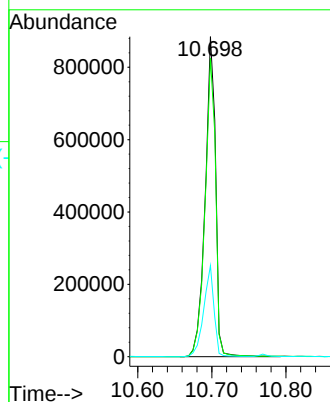
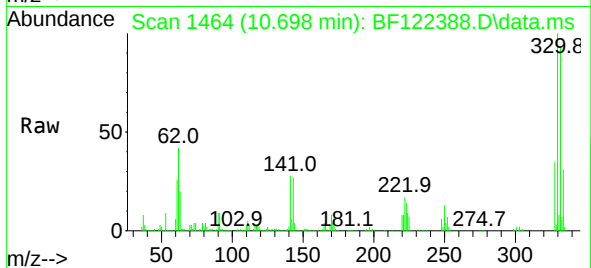
#42
2,4,6-Tribromophenol
Concen: 863.10 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion: 330 Resp: 865671
Ion Ratio Lower Upper
330 100
332 94.9 77.3 115.9
141 28.3 22.3 33.5

Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

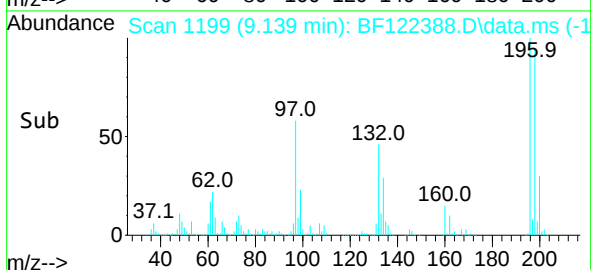
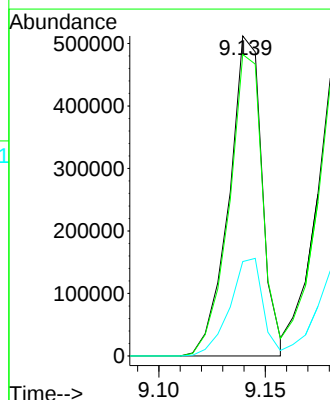
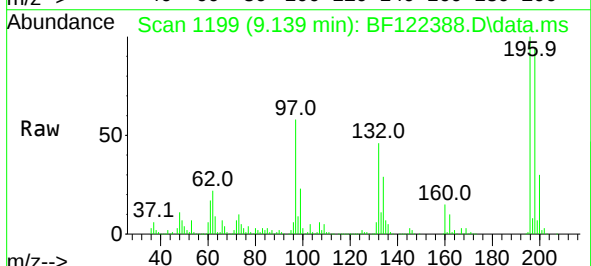
Manual Integrations
APPROVED

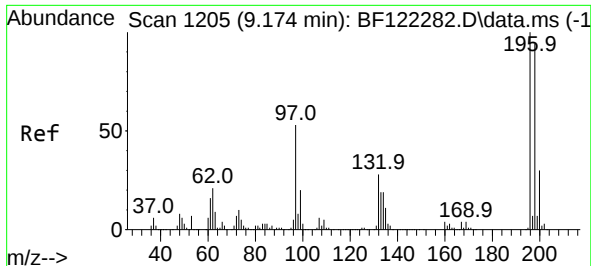
mohammad
11/24/2020 8:54:18 AM



#43
2,4,6-Trichlorophenol
Concen: 295.37 ng m
RT: 9.139 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion: 196 Resp: 552391
Ion Ratio Lower Upper
196 100
198 94.2 75.8 113.6
200 29.5 24.6 36.8





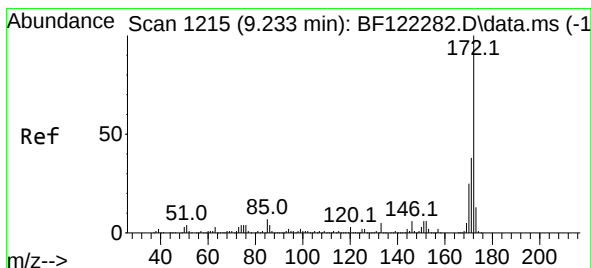
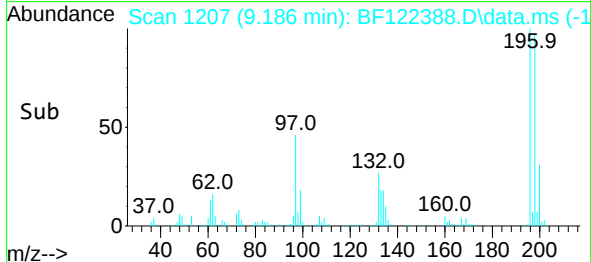
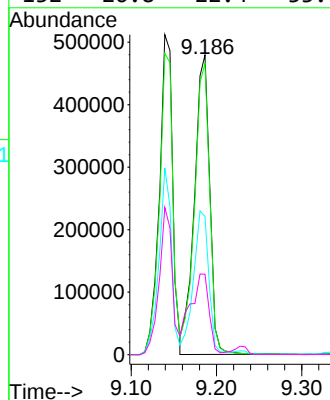
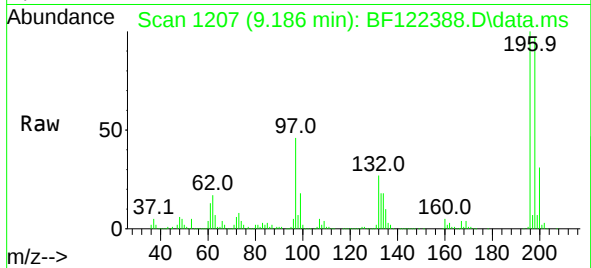
#44
2,4,5-Trichlorophenol
Concen: 305.58 ng
RT: 9.186 min Scan# 1207
Delta R.T. 0.012 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion:	196	Resp:	599089
Ion Ratio	Lower	Upper	
196	100		
198	97.3	76.1	114.1
97	46.1	41.0	61.6
132	26.8	22.4	33.6

Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

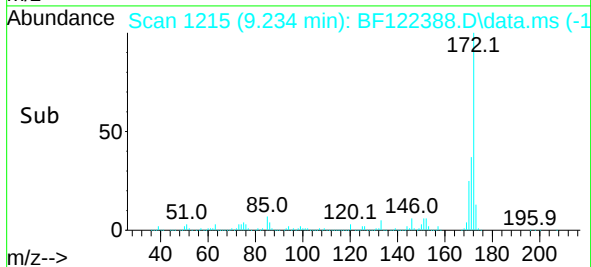
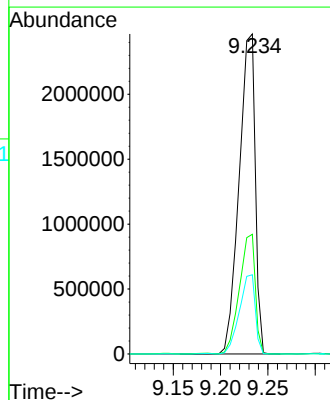
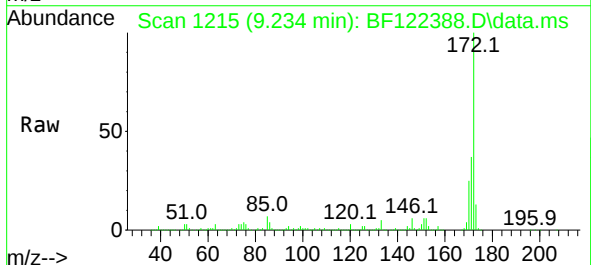
Manual Integrations
APPROVED

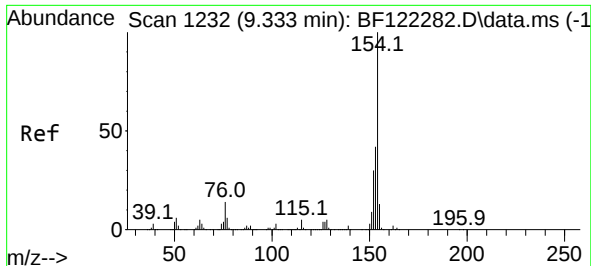
mohammad
11/24/2020 8:54:18 AM



#45
2-Fluorobiphenyl
Concen: 487.32 ng
RT: 9.234 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion:	172	Resp:	2914635
Ion Ratio	Lower	Upper	
172	100		
171	37.4	29.1	43.7
170	24.8	19.8	29.6





#46
1,1'-Biphenyl
Concen: 263.31 ng
RT: 9.334 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

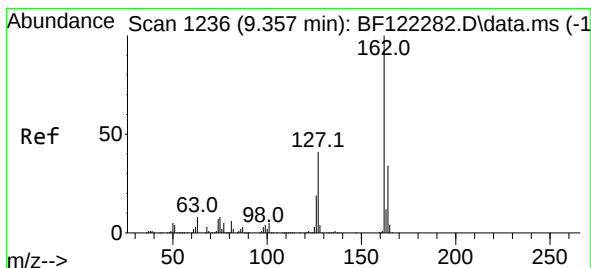
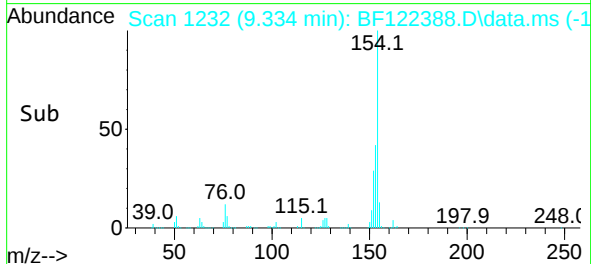
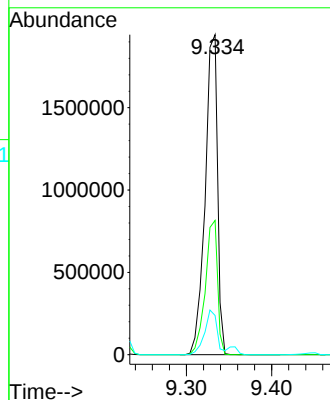
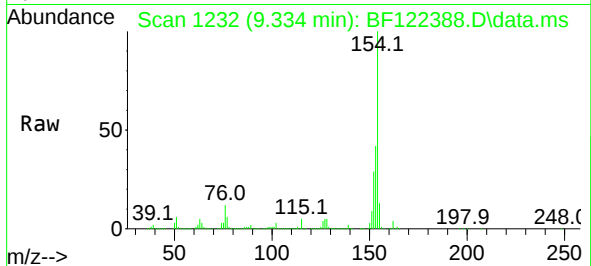
Tgt Ion:154 Resp: 1958642

Ion	Ratio	Lower	Upper
154	100		
153	42.0	21.3	61.3
76	12.2	0.0	34.7

Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

Manual Integrations
APPROVED

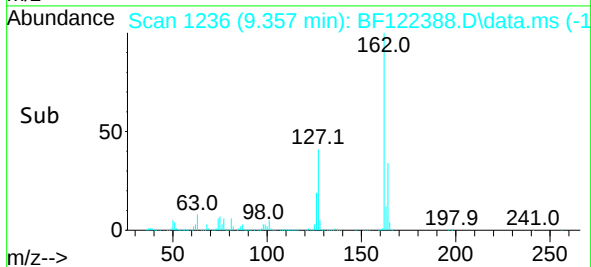
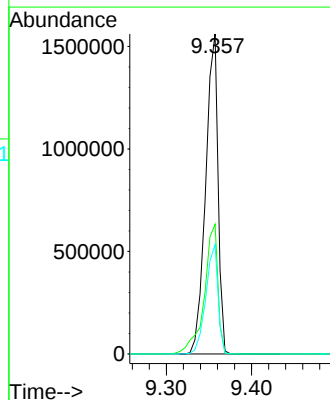
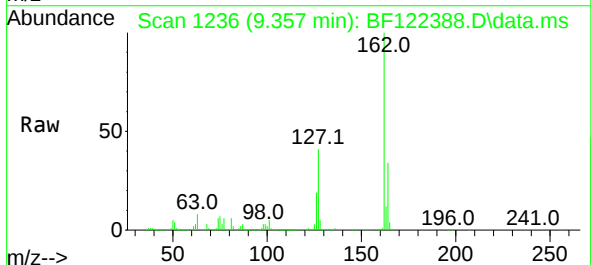
mohammad
11/24/2020 8:54:18 AM

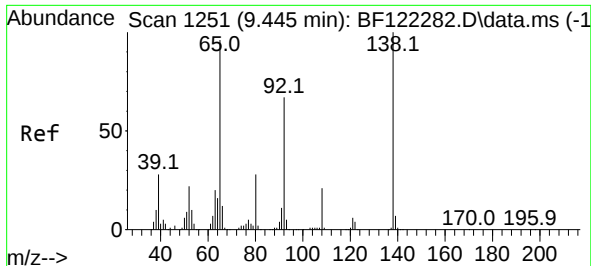


#47
2-Chloronaphthalene
Concen: 266.04 ng
RT: 9.357 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion:162 Resp: 1570633

Ion	Ratio	Lower	Upper
162	100		
127	40.6	34.4	51.6
164	34.1	26.3	39.5





#48
2-Nitroaniline
Concen: 251.43 ng
RT: 9.445 min Scan# 1251
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

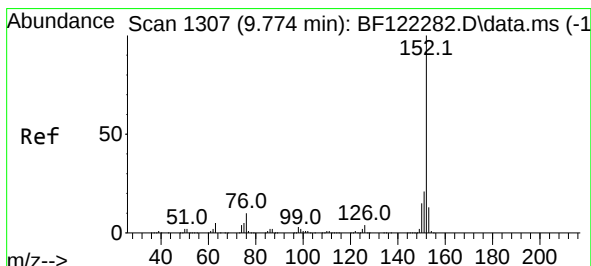
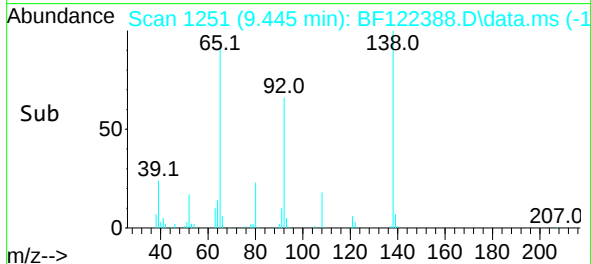
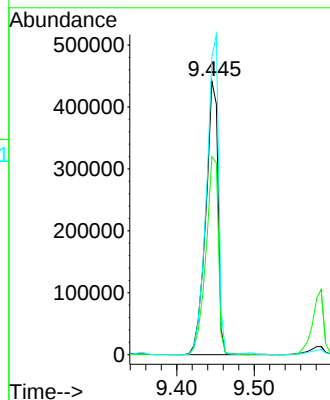
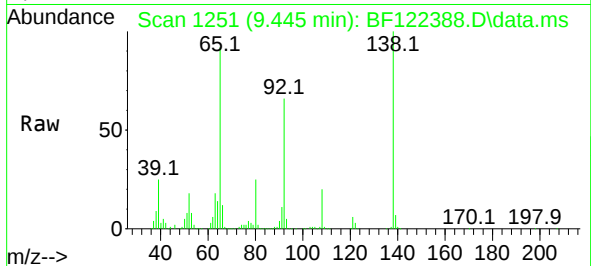
Tgt Ion: 65 Resp: 485384

Ion	Ratio	Lower	Upper
65	100		
92	72.4	55.1	82.7
138	108.9	80.5	120.7

Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

Manual Integrations
APPROVED

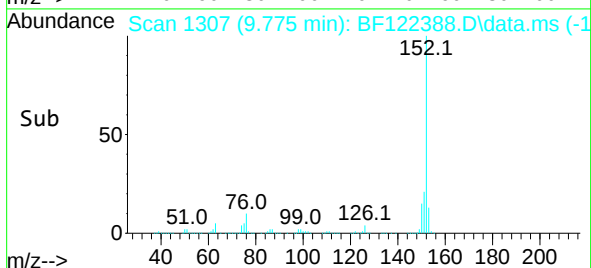
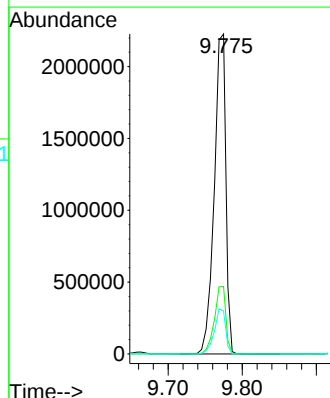
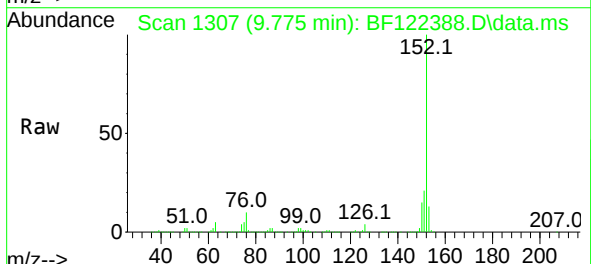
mohammad
11/24/2020 8:54:18 AM

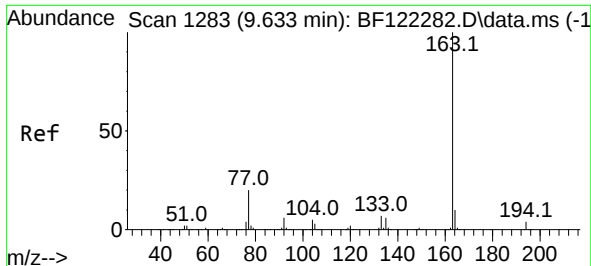


#49
Acenaphthylene
Concen: 266.33 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion: 152 Resp: 2416744

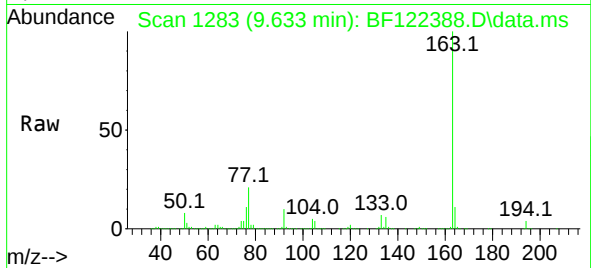
Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.4	24.6
153	13.4	10.6	15.8





#50
Dimethylphthalate
Concen: 312.62 ng
RT: 9.633 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

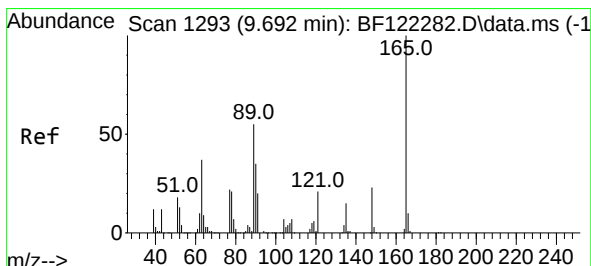
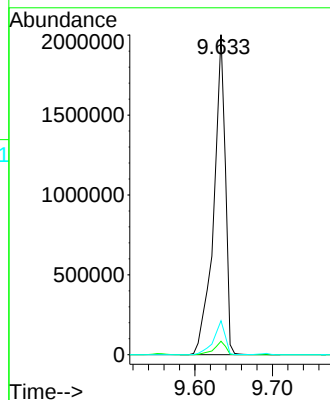
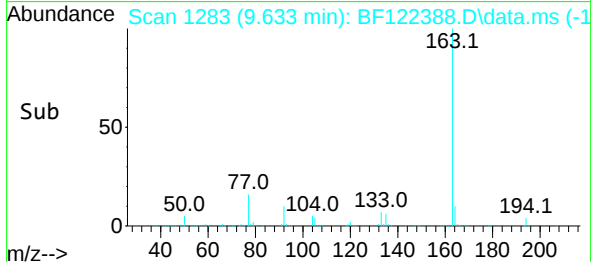
Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD



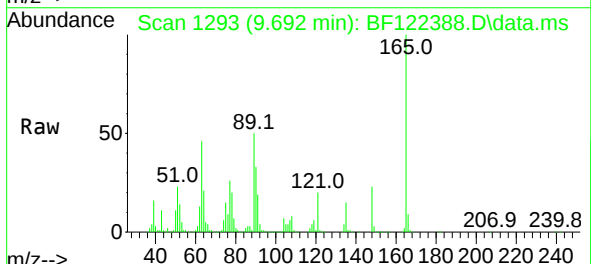
Tgt Ion:163 Resp: 2076597
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.6 8.2 12.4

Manual Integrations
APPROVED

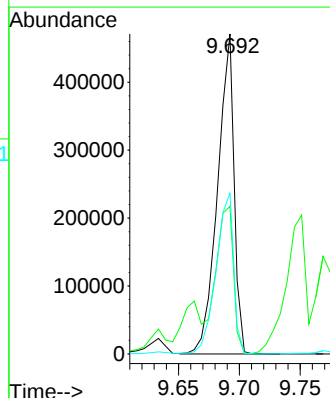
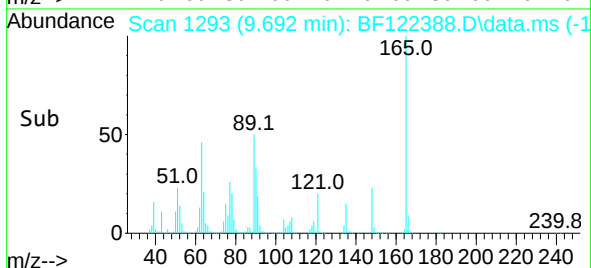
mohammad
11/24/2020 8:54:18 AM

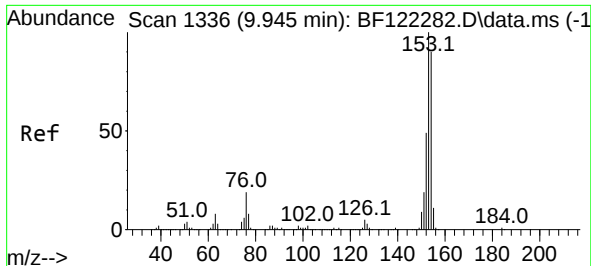


#51
2,6-Dinitrotoluene
Concen: 281.63 ng
RT: 9.692 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08



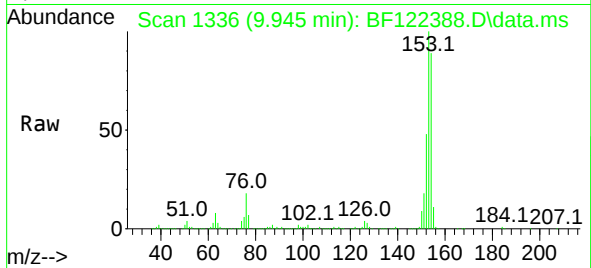
Tgt Ion:165 Resp: 446137
Ion Ratio Lower Upper
165 100
63 46.1 51.8 77.6#
89 50.2 49.0 73.6





#52
Acenaphthene
Concen: 298.94 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

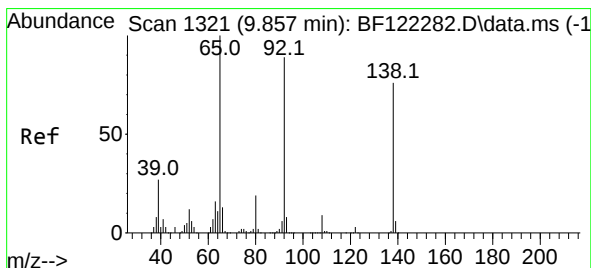
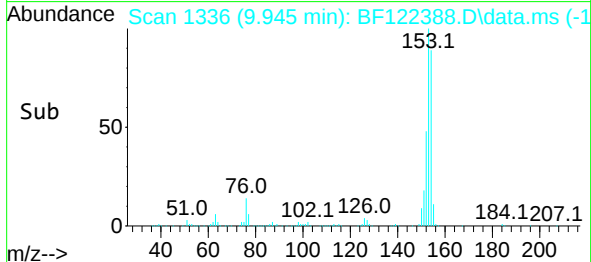
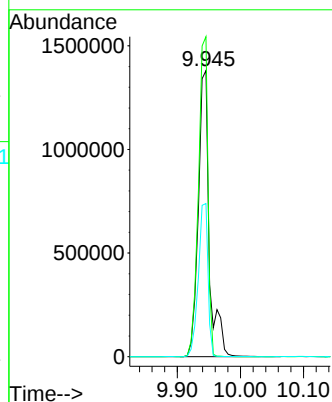


Tgt Ion:154 Resp: 1678955

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.8	134.8
152	53.5	43.2	64.8

Manual Integrations
APPROVED

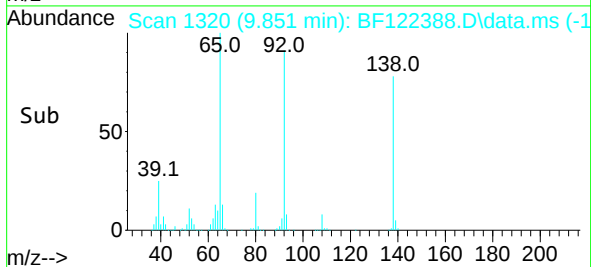
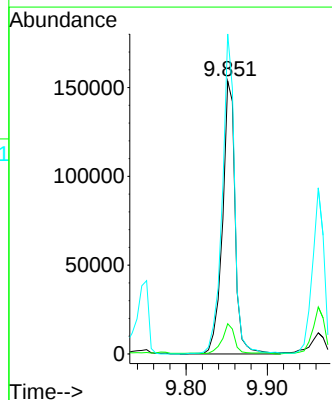
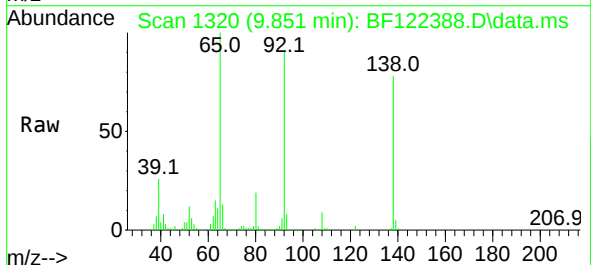
mohammad
11/24/2020 8:54:18 AM

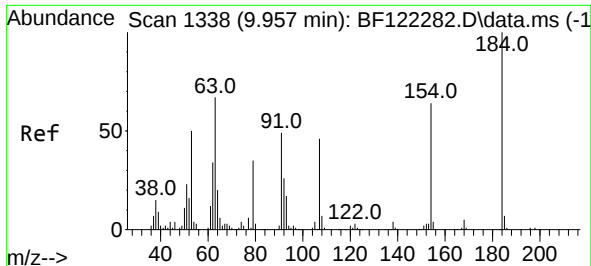


#53
3-Nitroaniline
Concen: 95.56 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion:138 Resp: 167301

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.6	13.0
92	117.3	96.6	144.8





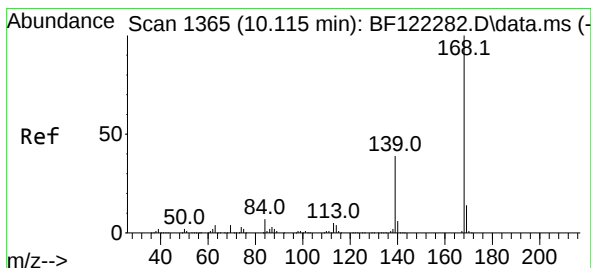
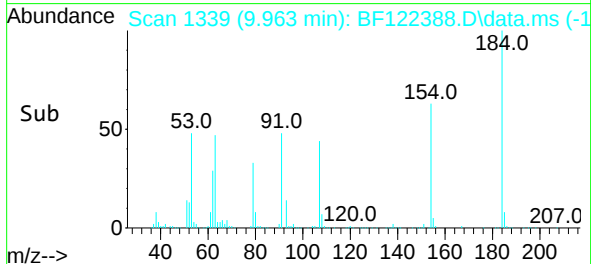
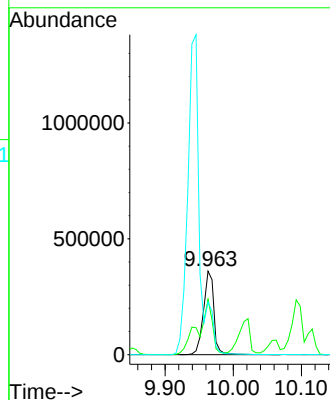
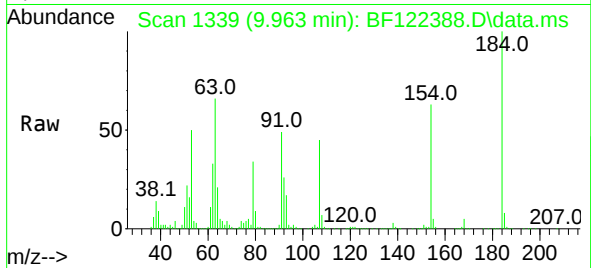
#54
2,4-Dinitrophenol
Concen: 252.41 ng
RT: 9.963 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion:184 Resp: 383305
Ion Ratio Lower Upper
184 100
63 66.3 45.9 68.9
154 63.0 45.8 68.6

Instrument :
BNA_F
ClientSampled :
ND-SOILMSD

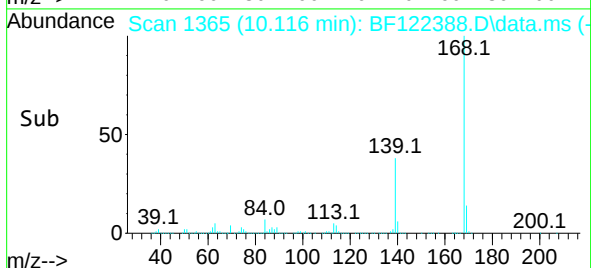
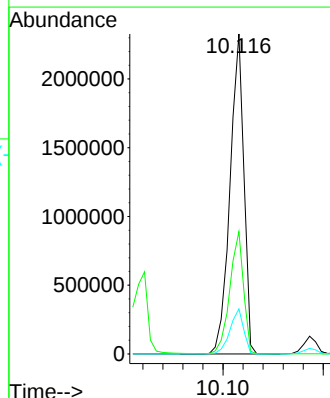
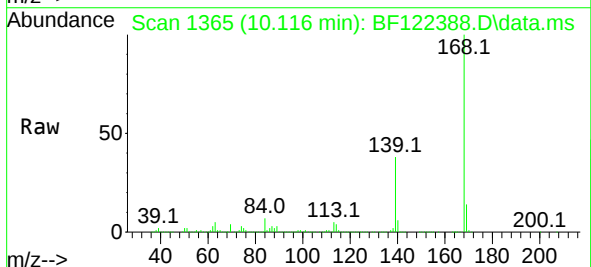
Manual Integrations
APPROVED

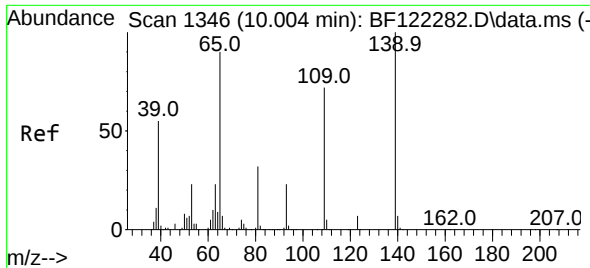
mohammad
11/24/2020 8:54:18 AM



#55
Dibenzofuran
Concen: 271.27 ng
RT: 10.116 min Scan# 1365
Delta R.T. 0.001 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

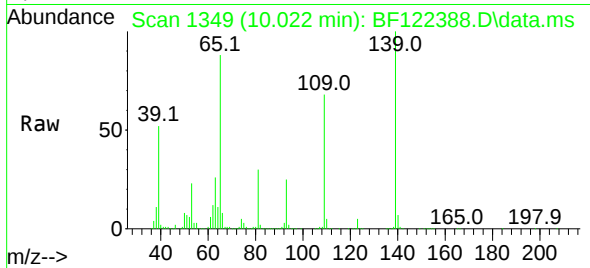
Tgt Ion:168 Resp: 2232259
Ion Ratio Lower Upper
168 100
139 38.3 31.0 46.6
169 14.1 11.3 16.9





#56
4-Nitrophenol
Concen: 431.28 ng
RT: 10.022 min Scan# 1349
Delta R.T. 0.018 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

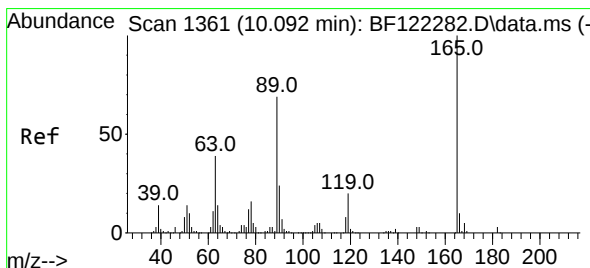
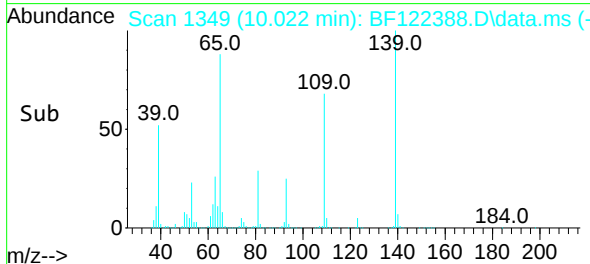
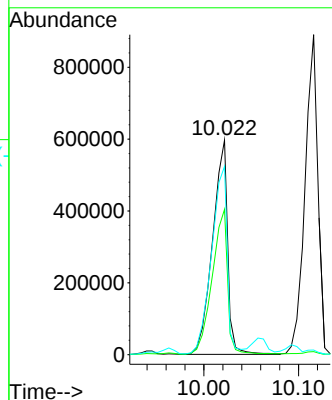
Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD



Tgt Ion:139 Resp: 661731
Ion Ratio Lower Upper
139 100
109 67.7 45.4 85.4
65 87.7 68.4 108.4

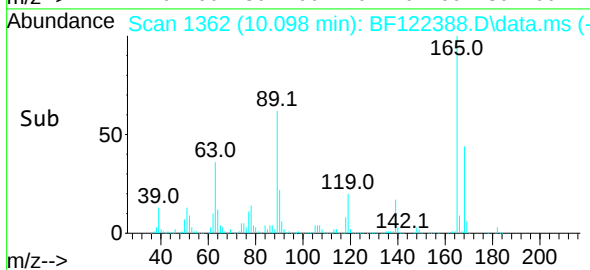
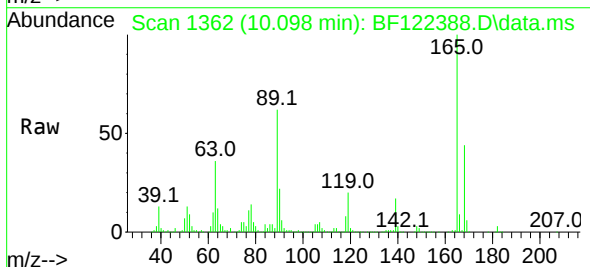
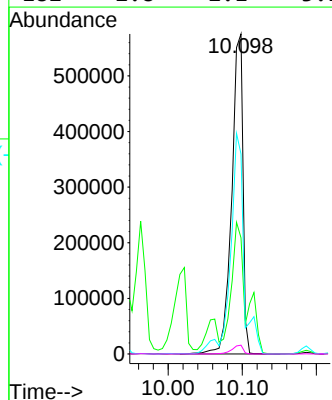
Manual Integrations
APPROVED

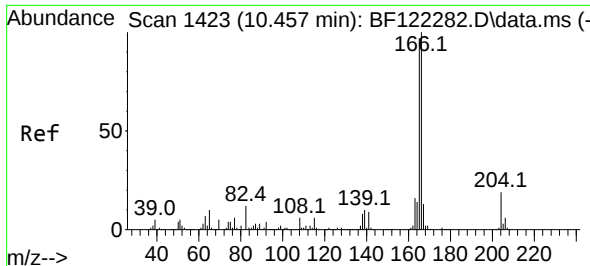
mohammad
11/24/2020 8:54:18 AM



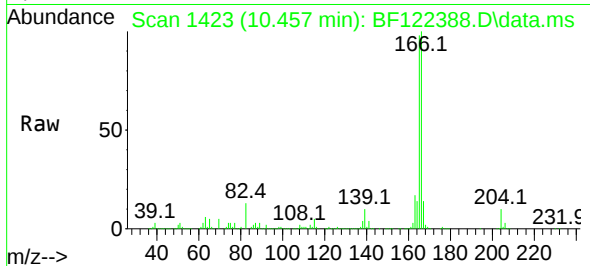
#57
2,4-Dinitrotoluene
Concen: 296.62 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion:165 Resp: 603015
Ion Ratio Lower Upper
165 100
63 36.3 41.3 61.9#
89 62.5 61.8 92.8
182 2.8 2.1 3.1

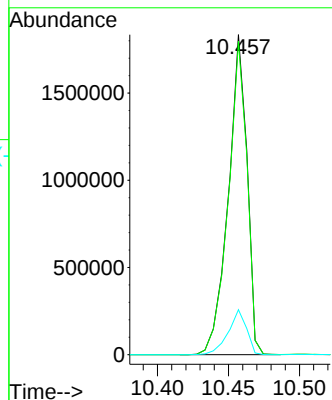
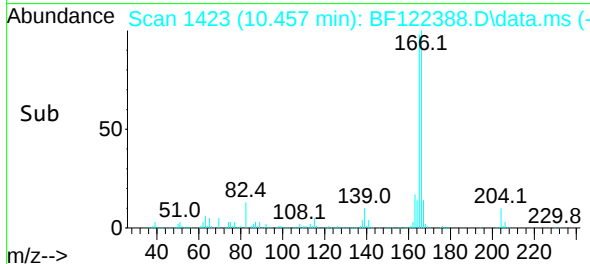




#58
Fluorene
Concen: 266.51 ng
RT: 10.457 min Scan# 1423
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08



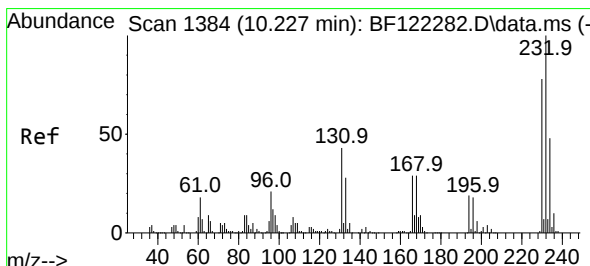
Tgt Ion:166 Resp: 1679301
Ion Ratio Lower Upper
166 100
165 97.9 79.1 118.7
167 14.1 11.0 16.6



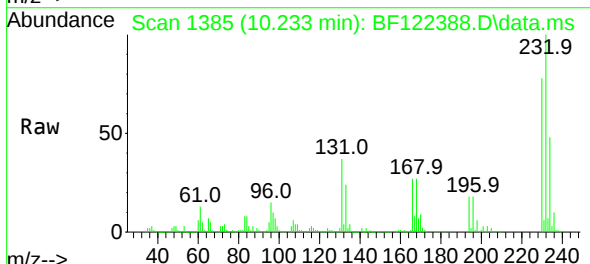
Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

Manual Integrations
APPROVED

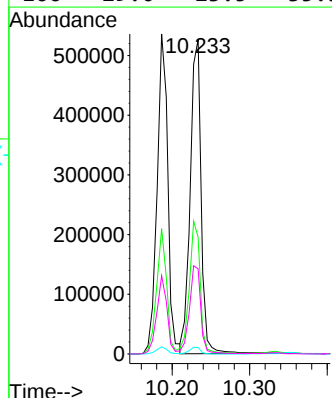
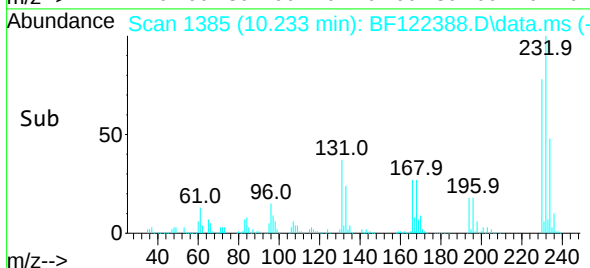
mohammad
11/24/2020 8:54:18 AM

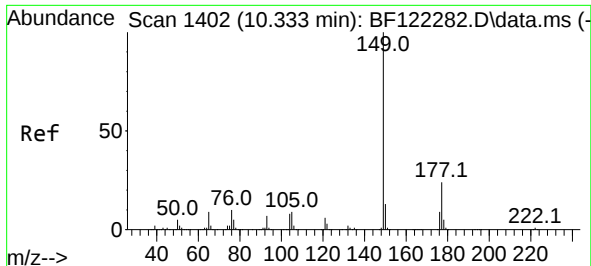


#59
2,3,4,6-Tetrachlorophenol
Concen: 315.91 ng
RT: 10.233 min Scan# 1385
Delta R.T. 0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08



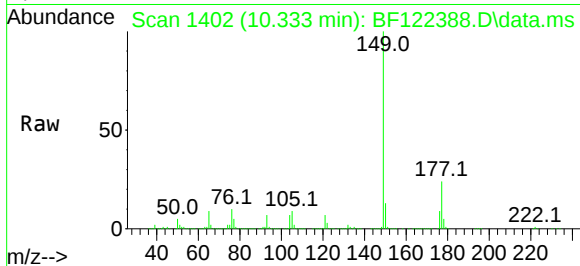
Tgt Ion:232 Resp: 515054
Ion Ratio Lower Upper
232 100
131 42.6 35.9 53.9
130 2.2 1.8 2.6
166 29.0 23.5 35.3





#60
Diethylphthalate
Concen: 282.49 ng
RT: 10.333 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

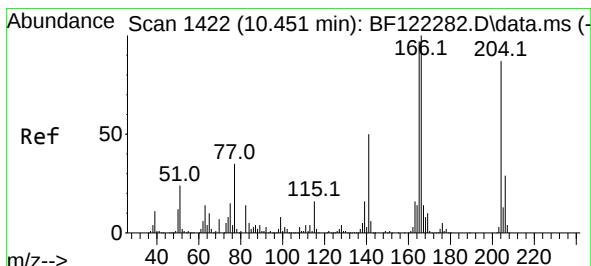
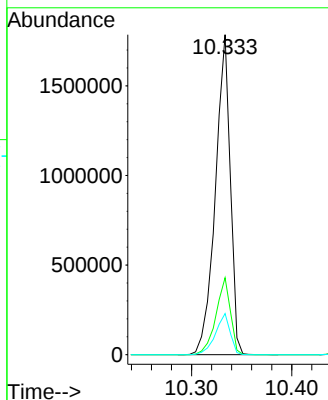
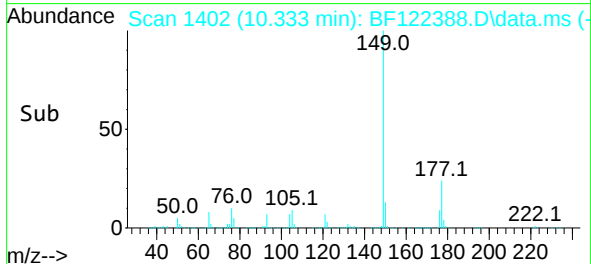
Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD



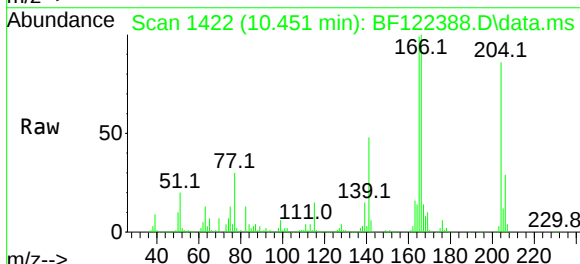
Tgt Ion:149 Resp: 1840724
Ion Ratio Lower Upper
149 100
177 24.0 18.1 27.1
150 12.8 10.3 15.5

Manual Integrations
APPROVED

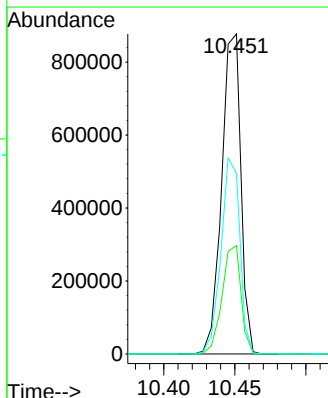
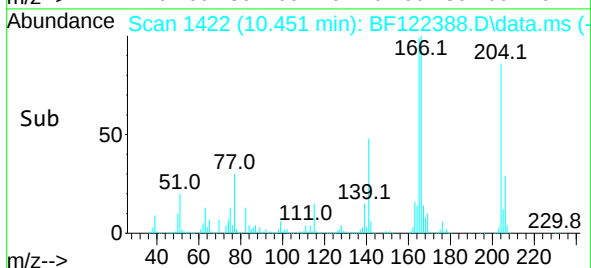
mohammad
11/24/2020 8:54:18 AM

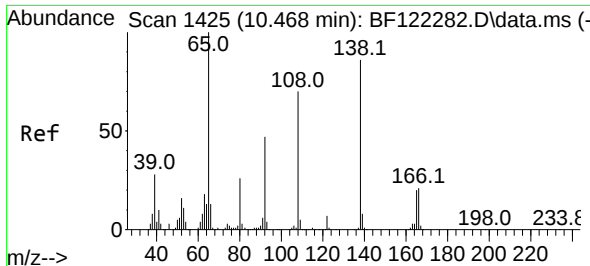


#61
4-Chlorophenyl-phenylether
Concen: 277.53 ng
RT: 10.451 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

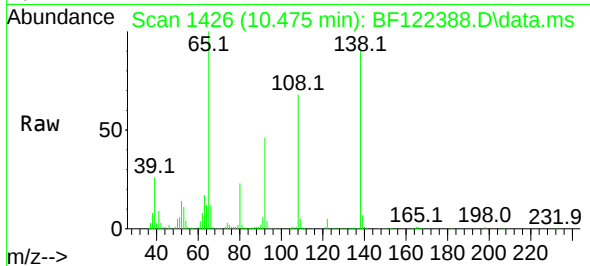


Tgt Ion:204 Resp: 825527
Ion Ratio Lower Upper
204 100
206 33.9 26.0 39.0
141 56.5 46.2 69.4

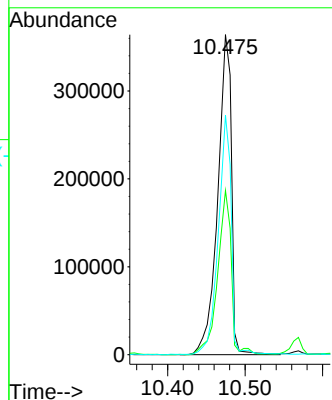
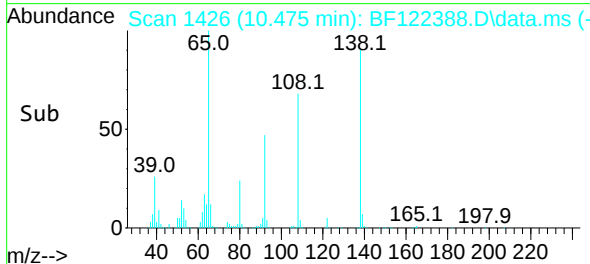




#62
4-Nitroaniline
Concen: 255.88 ng
RT: 10.475 min Scan# 1426
Delta R.T. 0.007 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08



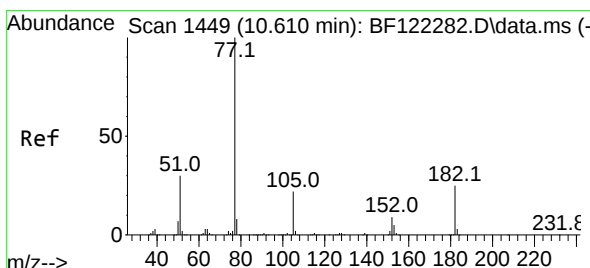
Tgt Ion:138 Resp: 447446
Ion Ratio Lower Upper
138 100
92 51.3 31.0 71.0
108 74.8 51.5 91.5



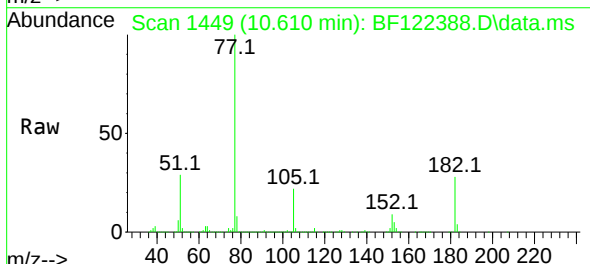
Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

Manual Integrations
APPROVED

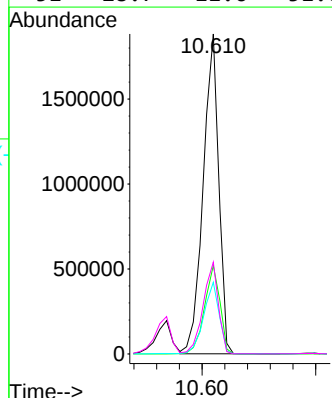
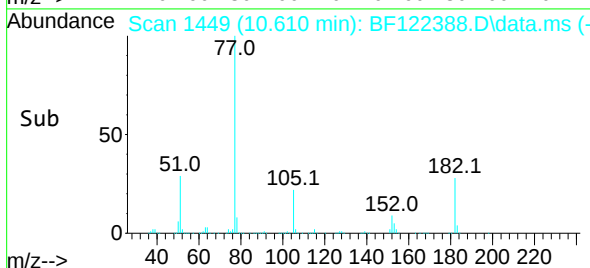
mohammad
11/24/2020 8:54:18 AM

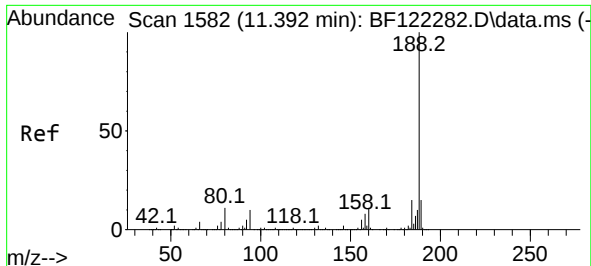


#63
Azobenzene
Concen: 261.62 ng
RT: 10.610 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08



Tgt Ion: 77 Resp: 1788483
Ion Ratio Lower Upper
77 100
182 27.7 3.4 43.4
105 22.4 1.7 41.7
51 28.7 11.6 51.6





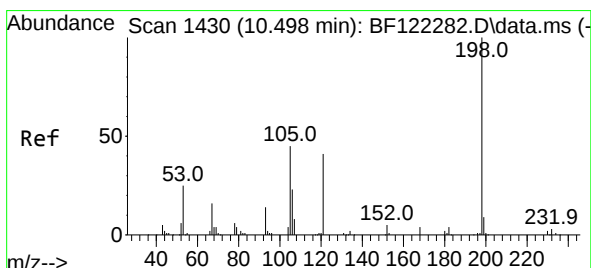
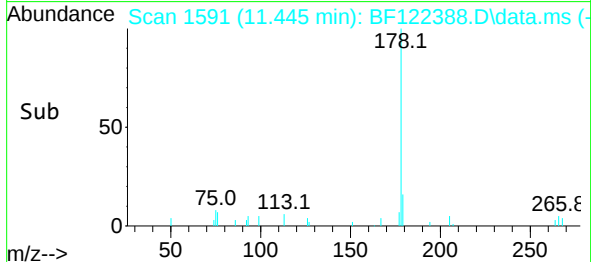
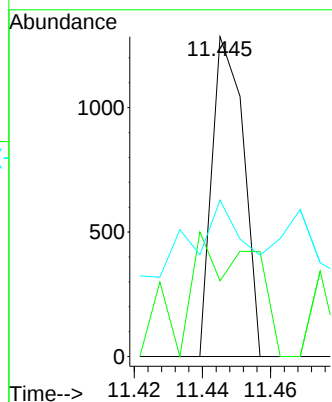
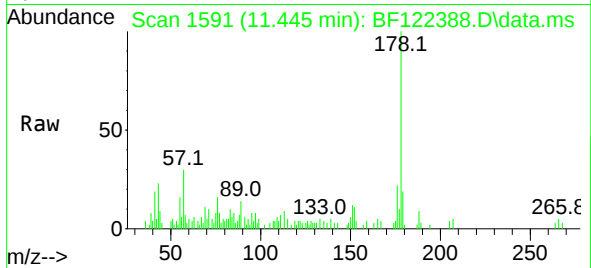
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.445 min Scan# 1591
Delta R.T. 0.053 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion:188 Resp: 822
Ion Ratio Lower Upper
188 100
94 23.7 8.3 12.5#
80 48.9 9.1 13.7#

Instrument :
BNA_F
ClientSampled :
ND-SOILMSD

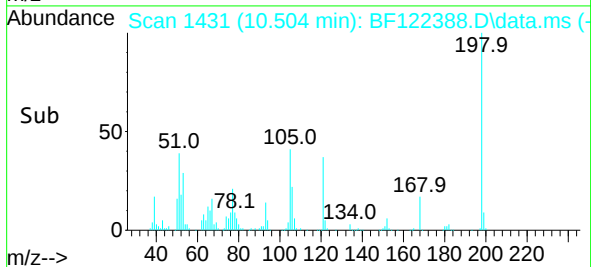
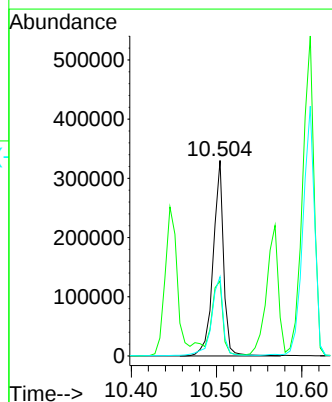
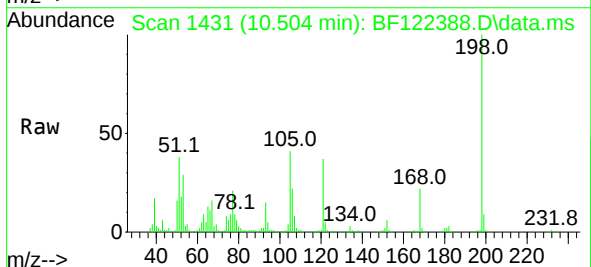
Manual Integrations
APPROVED

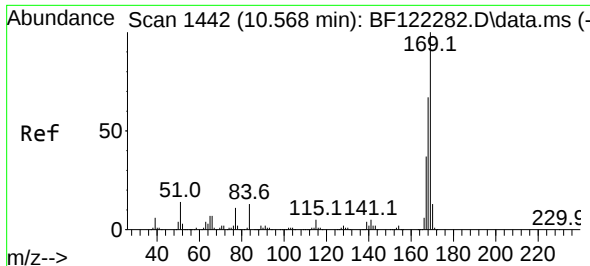
mohammad
11/24/2020 8:54:18 AM



#65
4,6-Dinitro-2-methylphenol
Concen: 3005.00 ng
RT: 10.504 min Scan# 1431
Delta R.T. 0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

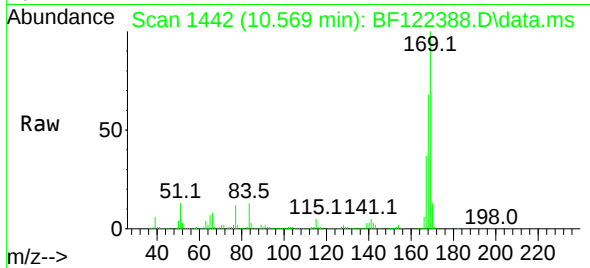
Tgt Ion:198 Resp: 281719
Ion Ratio Lower Upper
198 100
51 38.4 29.6 69.6
105 40.5 24.4 64.4





#66
n-Nitrosodiphenylamine
Concen: 56527.91 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

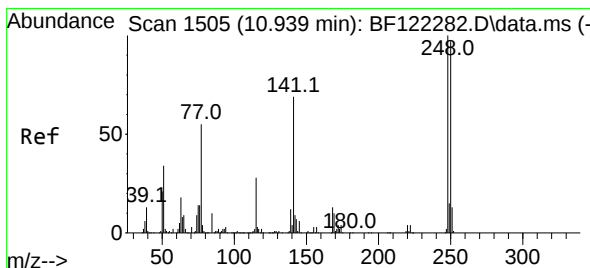
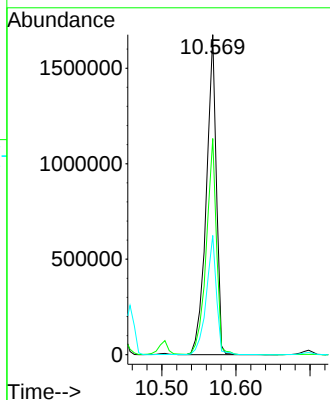
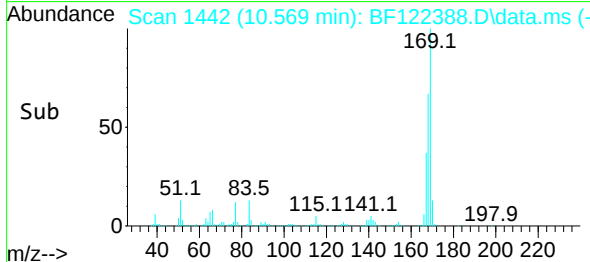


Tgt Ion:169 Resp: 1583164

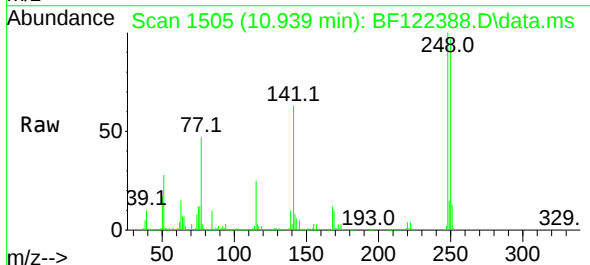
Ion	Ratio	Lower	Upper
169	100		
168	67.6	50.0	75.0
167	37.2	27.8	41.6

Manual Integrations
APPROVED

mohammad
11/24/2020 8:54:18 AM

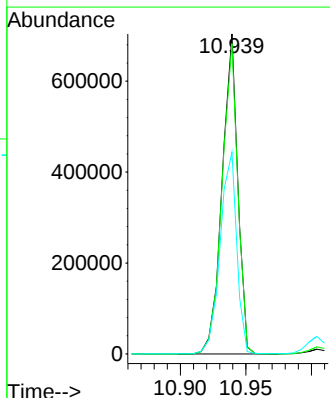
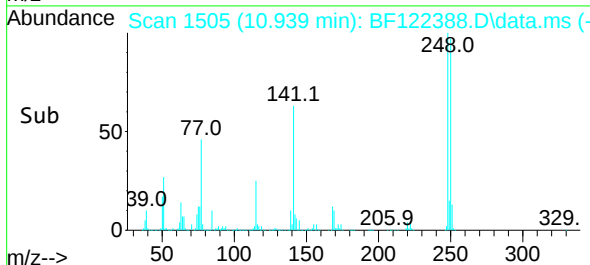


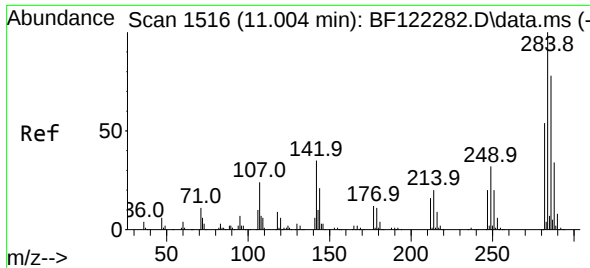
#67
4-Bromophenyl-phenylether
Concen: 60392.60 ng
RT: 10.939 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08



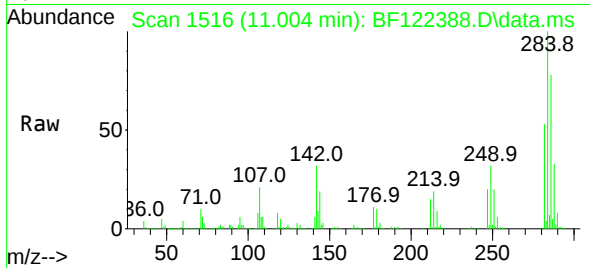
Tgt Ion:248 Resp: 583358

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.0	115.6
141	63.0	53.7	80.5

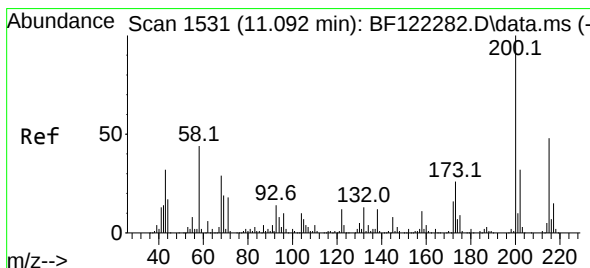
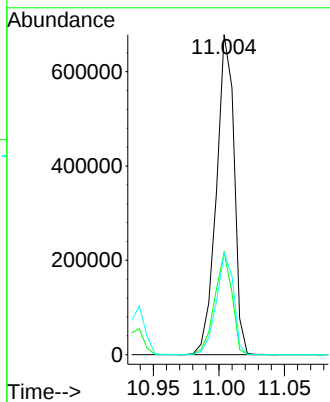
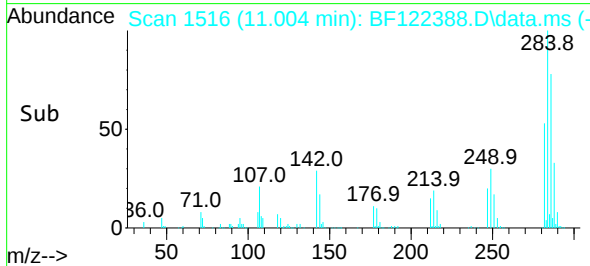




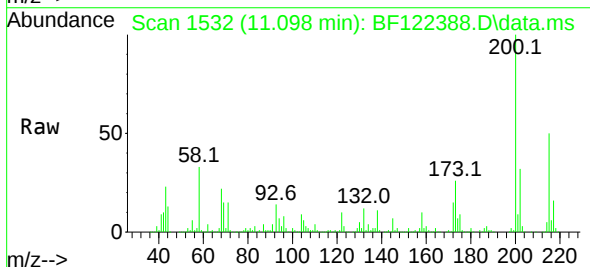
#68
Hexachlorobenzene
Concen: 60972.90 ng
RT: 11.004 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08



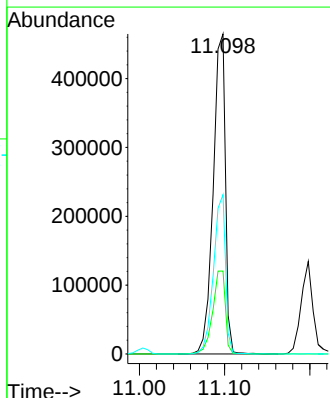
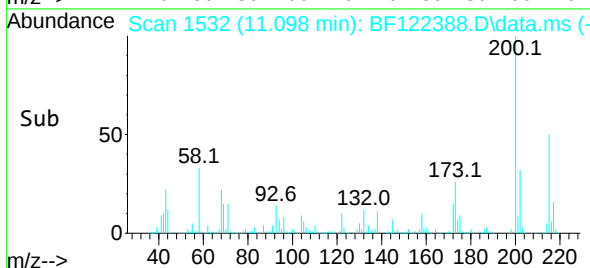
Tgt Ion:284 Resp: 636333
Ion Ratio Lower Upper
284 100
142 32.0 27.4 41.2
249 31.7 24.2 36.4



#69
Atrazine
Concen: 66436.29 ng
RT: 11.098 min Scan# 1532
Delta R.T. 0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08



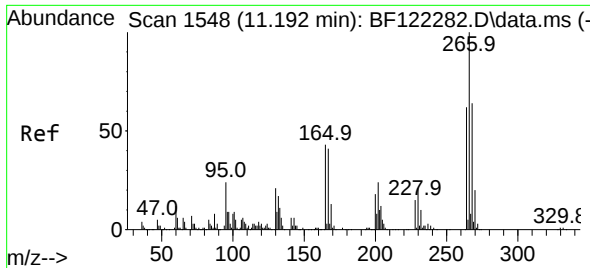
Tgt Ion:200 Resp: 463384
Ion Ratio Lower Upper
200 100
173 25.9 7.5 47.5
215 49.8 27.1 67.1



Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

Manual Integrations
APPROVED

mohammad
11/24/2020 8:54:18 AM



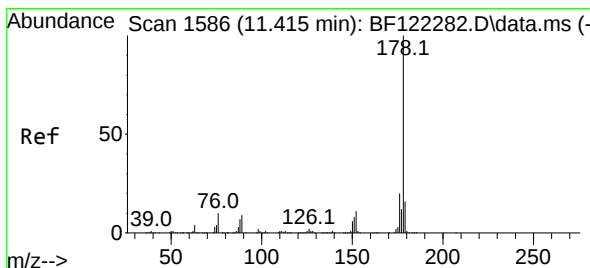
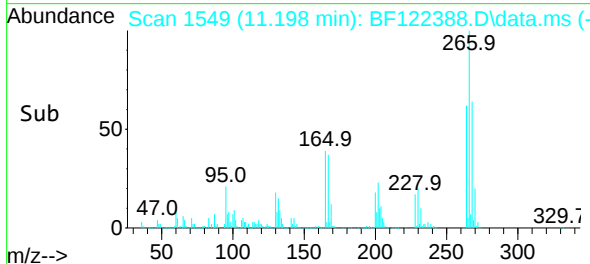
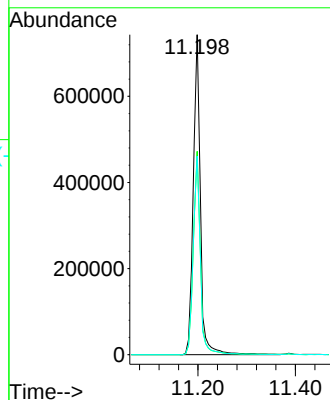
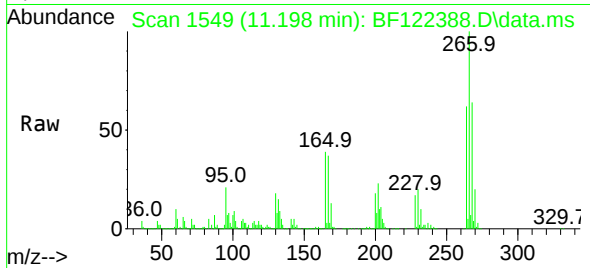
#70
Pentachlorophenol
Concen: 125884.92 ng
RT: 11.198 min Scan# 1549
Delta R.T. 0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion:266 Resp: 756909
Ion Ratio Lower Upper
266 100
268 63.6 52.4 78.6
264 62.1 49.9 74.9

Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

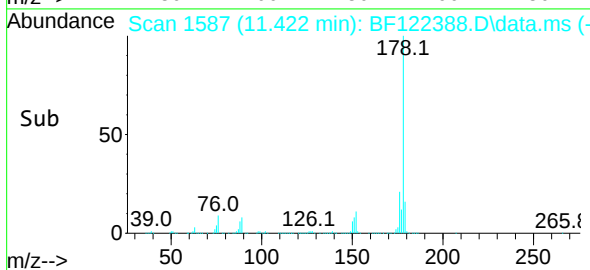
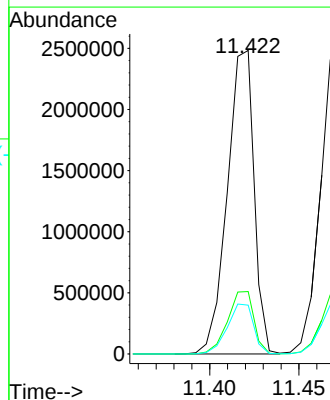
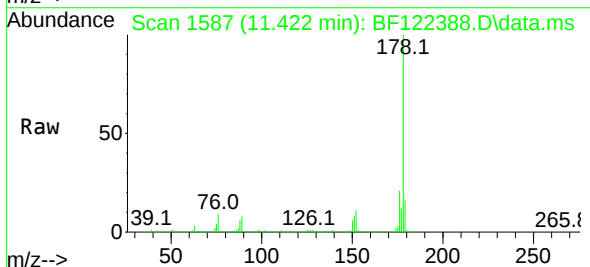
Manual Integrations
APPROVED

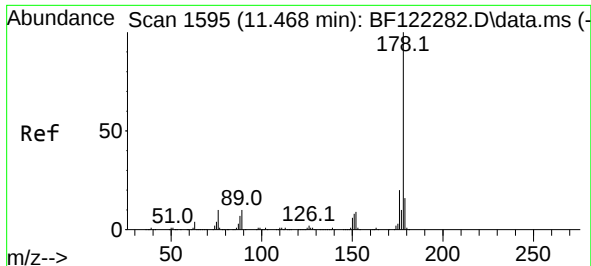
mohammad
11/24/2020 8:54:18 AM



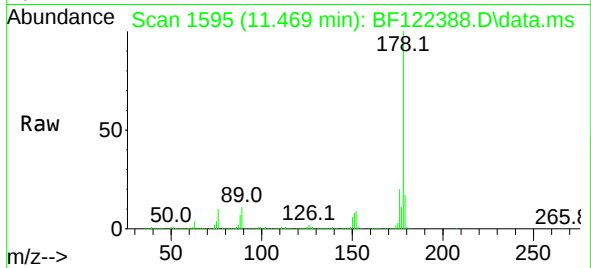
#71
Phenanthrene
Concen: 55621.64 ng m
RT: 11.422 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion:178 Resp: 2594096
Ion Ratio Lower Upper
178 100
176 20.6 15.9 23.9
179 16.1 12.2 18.4

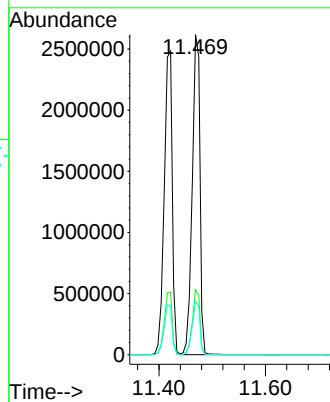
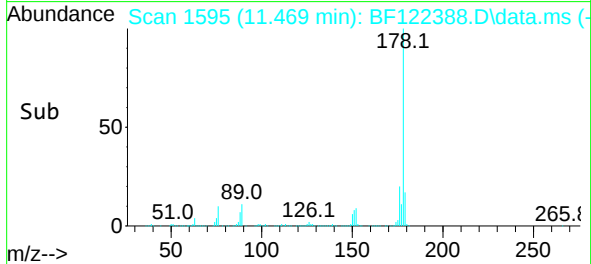




#72
 Anthracene
 Concen: 55002.80 ng
 RT: 11.469 min Scan# 1595
 Delta R.T. 0.000 min
 Lab File: BF122388.D
 Acq: 19 Nov 2020 19:08



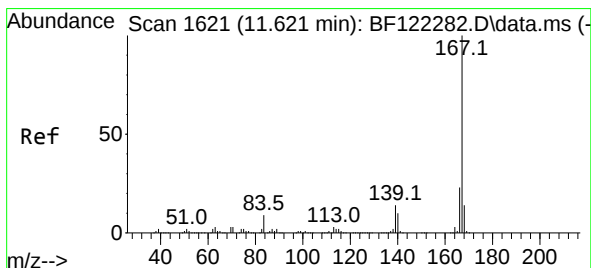
Tgt Ion:178 Resp: 2643800
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.7 23.5
 179 16.6 12.7 19.1



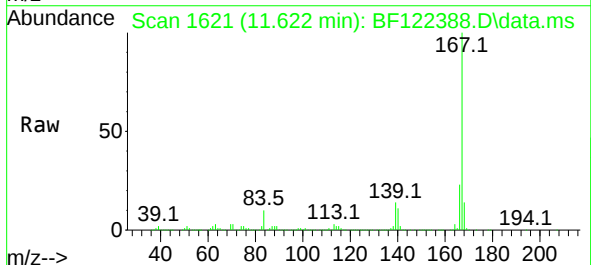
Instrument :
 BNA_F
 ClientSampleId :
 ND-SOILMSD

Manual Integrations
 APPROVED

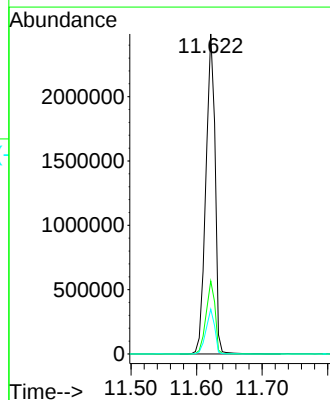
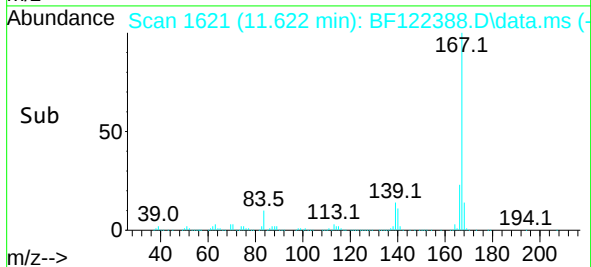
mohammad
 11/24/2020 8:54:18 AM

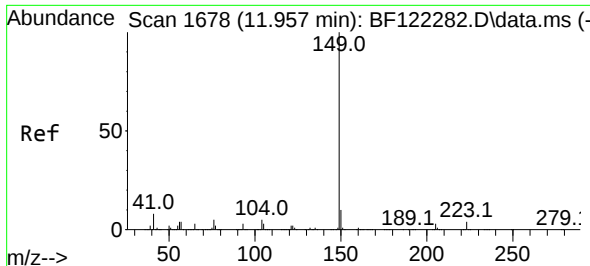


#73
 Carbazole
 Concen: 55865.23 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. 0.000 min
 Lab File: BF122388.D
 Acq: 19 Nov 2020 19:08



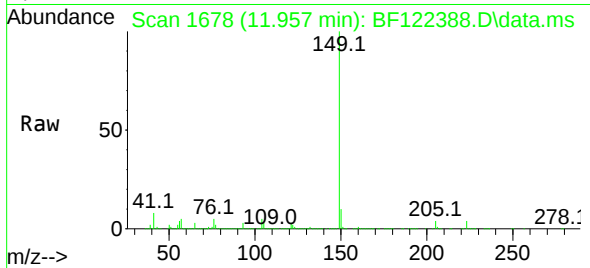
Tgt Ion:167 Resp: 2442862
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.8 26.6
 139 14.0 10.8 16.2



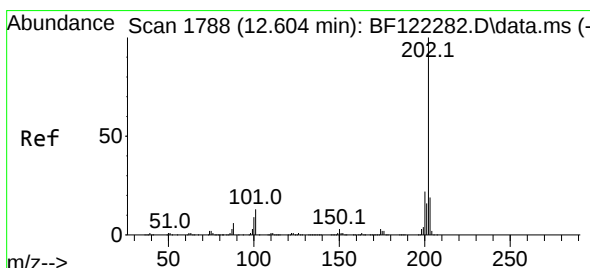
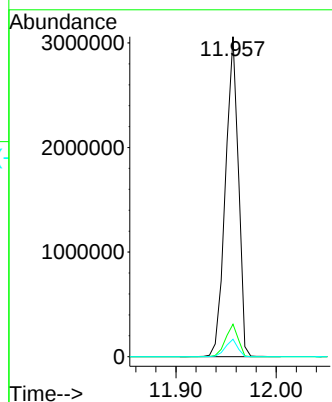
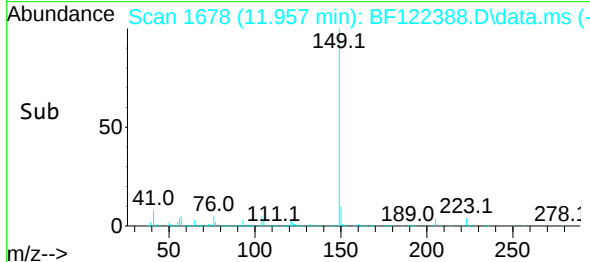


#74
Di-n-butylphthalate
Concen: 58779.91 ng
RT: 11.957 min Scan# 1678
Delta R.T. -0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

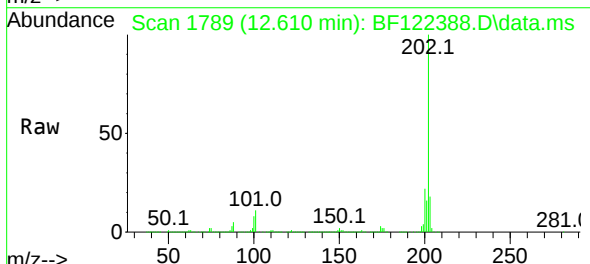
Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD



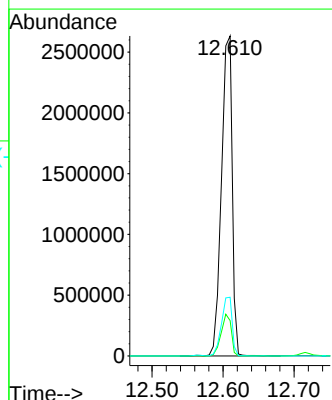
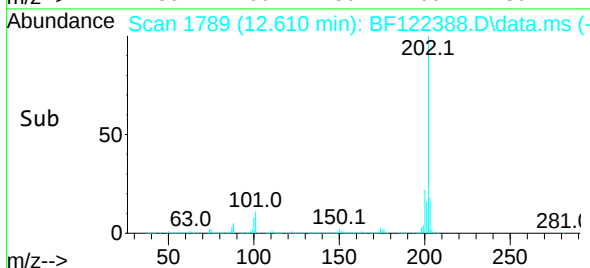
Tgt Ion:149 Resp: 2740125
Ion Ratio Lower Upper
149 100
150 10.2 7.7 11.5
104 5.4 4.2 6.2

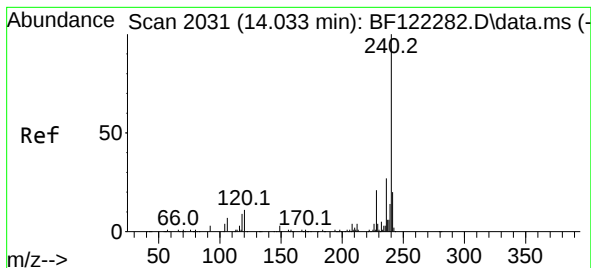


#75
Fluoranthene
Concen: 56449.00 ng
RT: 12.610 min Scan# 1789
Delta R.T. 0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08



Tgt Ion:202 Resp: 2748470
Ion Ratio Lower Upper
202 100
101 11.0 0.0 33.4
203 18.3 0.0 37.9





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.233 min Scan# 2065

Delta R.T. 0.200 min

Lab File: BF122388.D

Acq: 19 Nov 2020 19:08

Tgt Ion:240 Resp: 2337
 Ion Ratio Lower Upper
 240 100
 120 0.0 9.2 13.8#
 236 704.0 20.9 31.3#

Instrument :

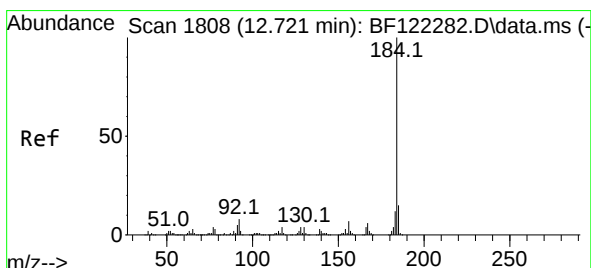
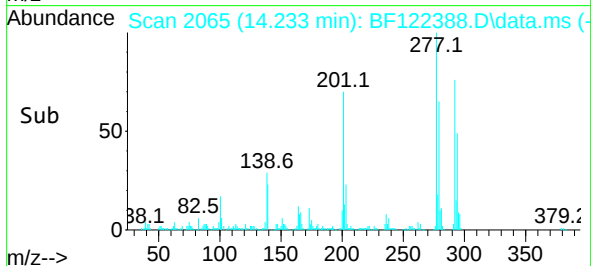
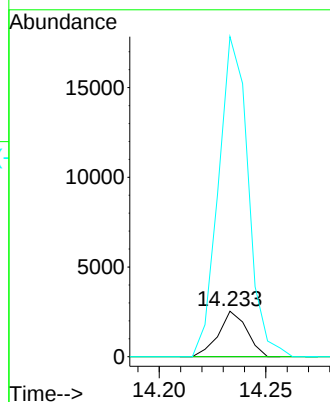
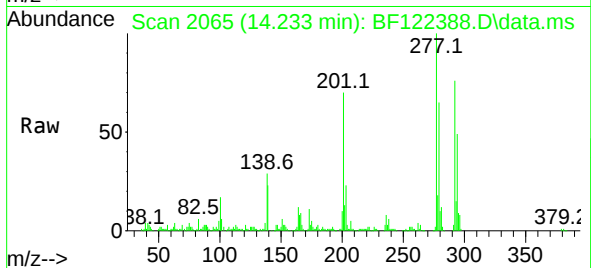
BNA_F

ClientSampleId :

ND-SOILMSD

Manual Integrations
 APPROVED

mohammad
 11/24/2020 8:54:18 AM



#77

Benzidine

Concen: 703.90 ng

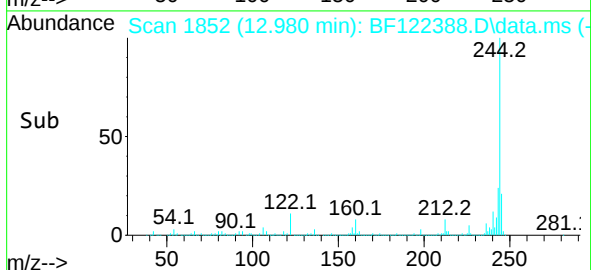
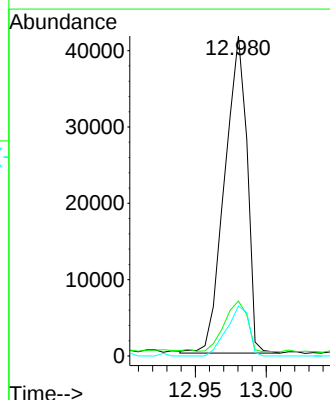
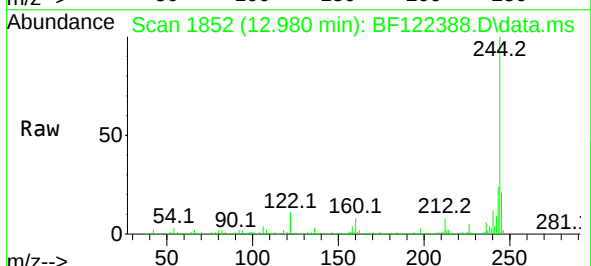
RT: 12.980 min Scan# 1852

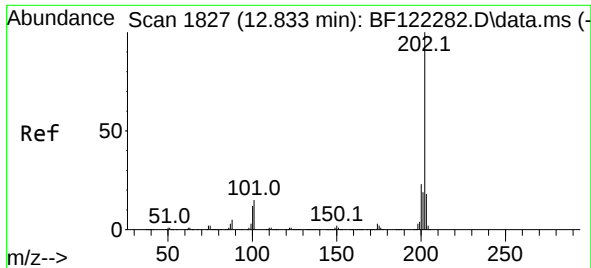
Delta R.T. 0.259 min

Lab File: BF122388.D

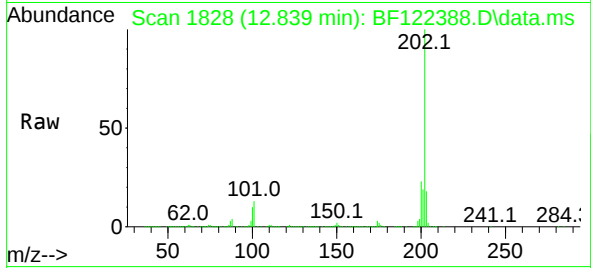
Acq: 19 Nov 2020 19:08

Tgt Ion:184 Resp: 45626
 Ion Ratio Lower Upper
 184 100
 185 17.2 11.6 17.4
 183 15.6 9.4 14.0#

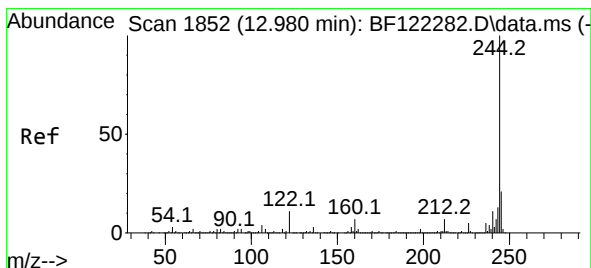
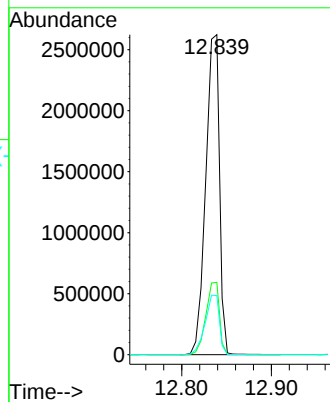
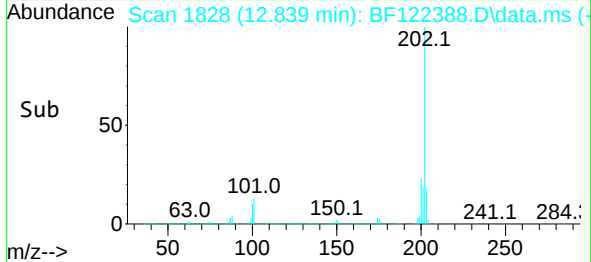




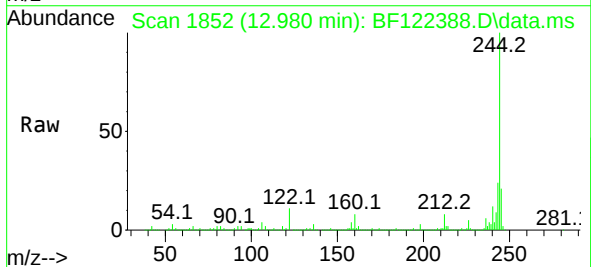
#78
Pyrene
Concen: 17003.77 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08



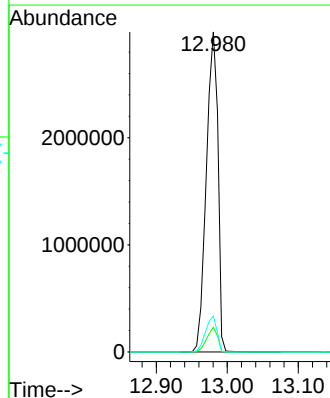
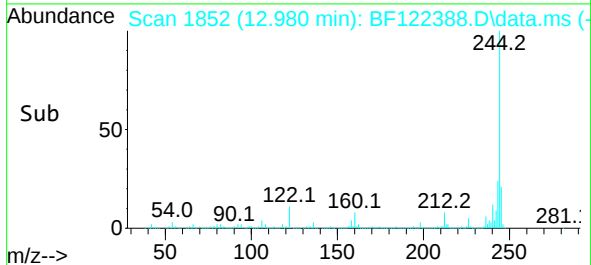
Tgt Ion:202 Resp: 2791735
Ion Ratio Lower Upper
202 100
200 22.6 17.4 26.2
203 18.5 14.6 21.8



#79
Terphenyl-d14
Concen: 30818.38 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08



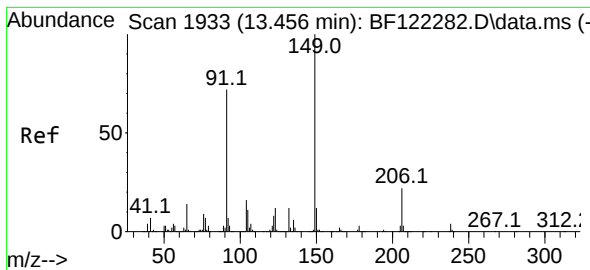
Tgt Ion:244 Resp: 3399690
Ion Ratio Lower Upper
244 100
212 7.7 5.4 8.2
122 11.2 8.1 12.1



Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

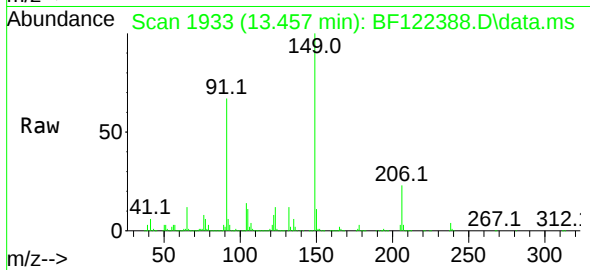
Manual Integrations
APPROVED

mohammad
11/24/2020 8:54:18 AM



#80
Butylbenzylphthalate
Concen: 17230.43 ng
RT: 13.457 min Scan# 1933
Delta R.T. 0.001 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

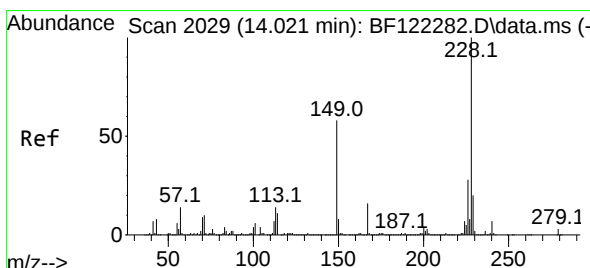
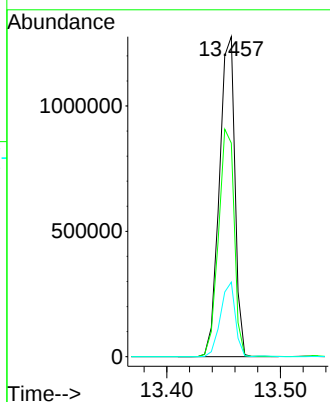
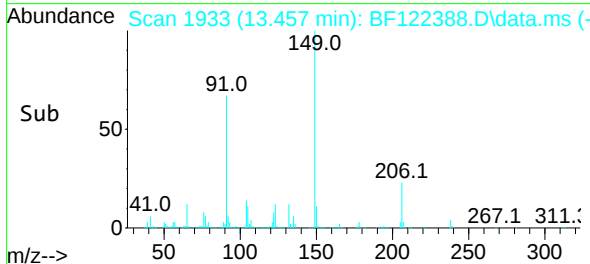
Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD



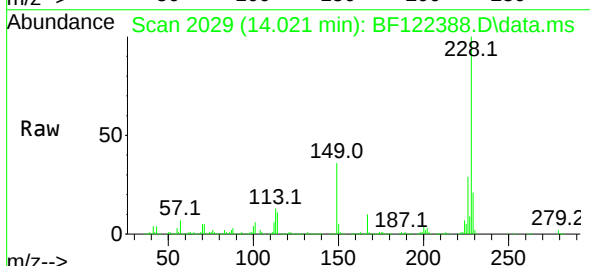
Tgt Ion:149 Resp: 1217665
Ion Ratio Lower Upper
149 100
91 66.8 61.0 91.4
206 23.3 16.7 25.1

Manual Integrations
APPROVED

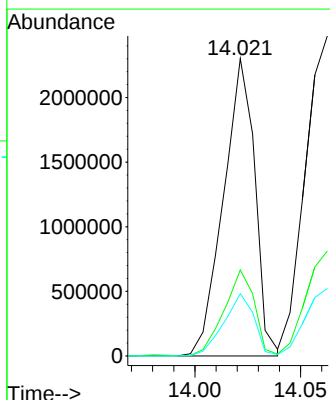
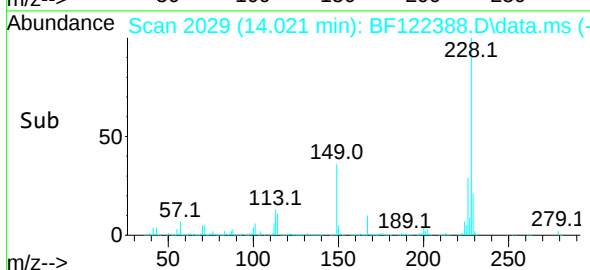
mohammad
11/24/2020 8:54:18 AM

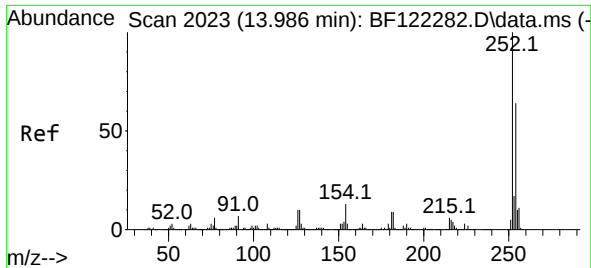


#81
Benzo(a)anthracene
Concen: 16333.54 ng m
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

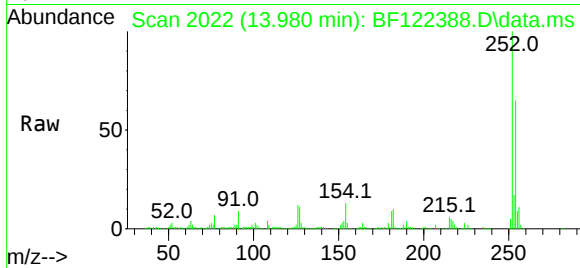


Tgt Ion:228 Resp: 2373940
Ion Ratio Lower Upper
228 100
226 29.0 22.3 33.5
229 20.9 16.2 24.4

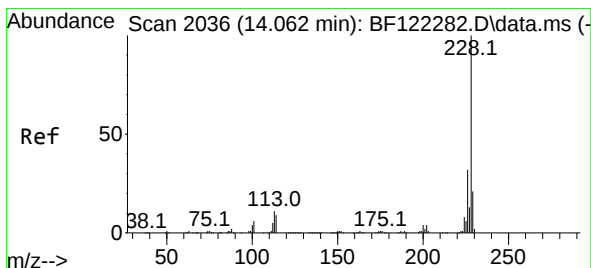
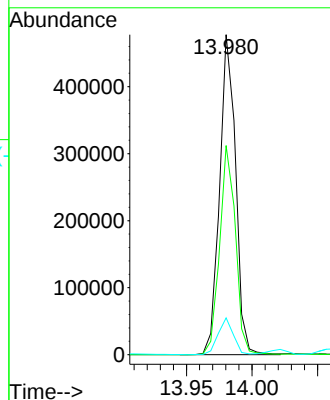
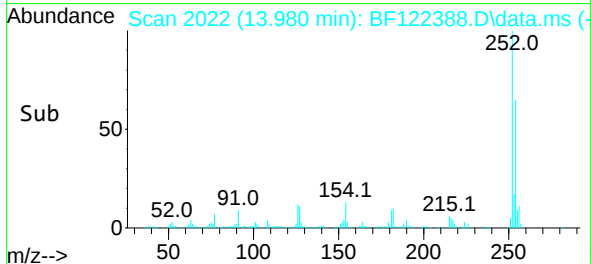




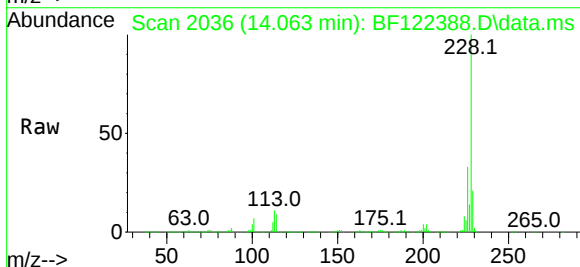
#82
3,3'-Dichlorobenzidine
Concen: 7462.64 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08



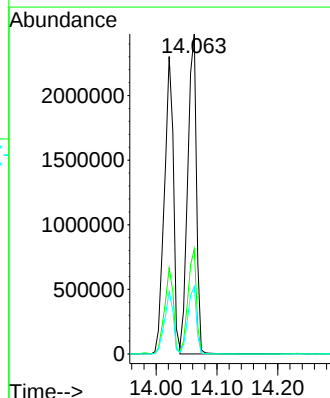
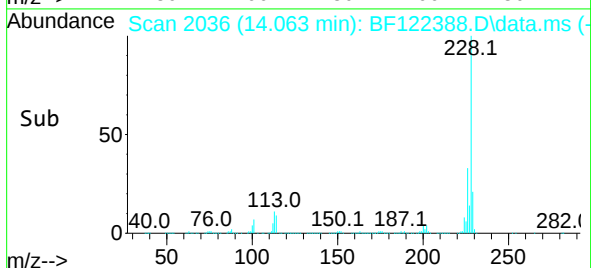
Tgt Ion:252 Resp: 404200
Ion Ratio Lower Upper
252 100
254 65.3 51.8 77.6
126 11.5 8.8 13.2



#83
Chrysene
Concen: 16829.57 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08



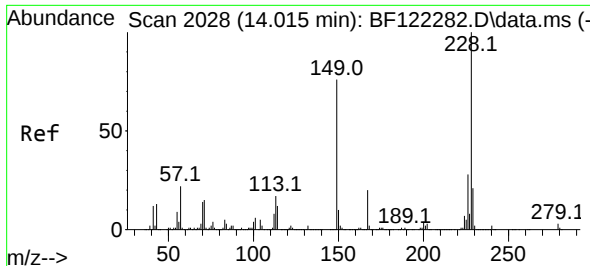
Tgt Ion:228 Resp: 2463689
Ion Ratio Lower Upper
228 100
226 32.8 24.6 37.0
229 21.1 15.9 23.9



Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

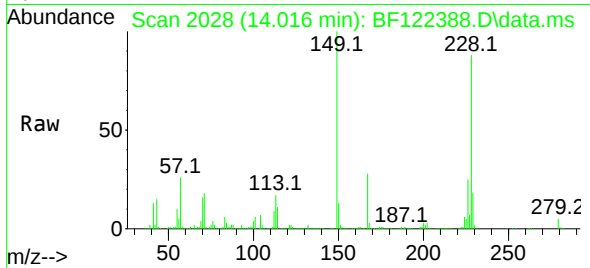
Manual Integrations
APPROVED

mohammad
11/24/2020 8:54:18 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 18626.07 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

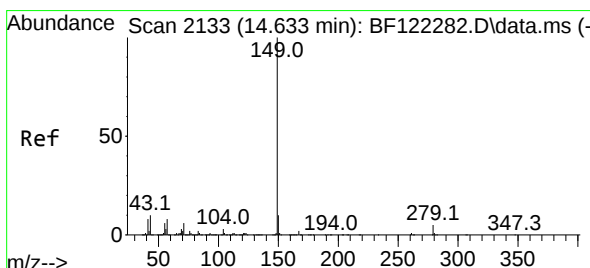
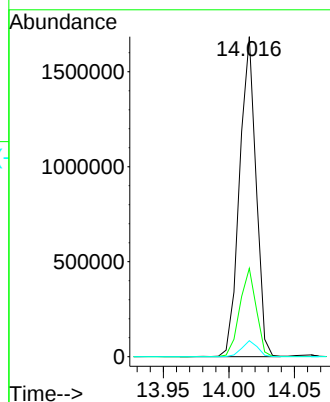
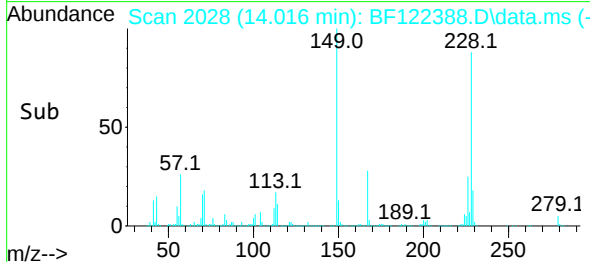
Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD



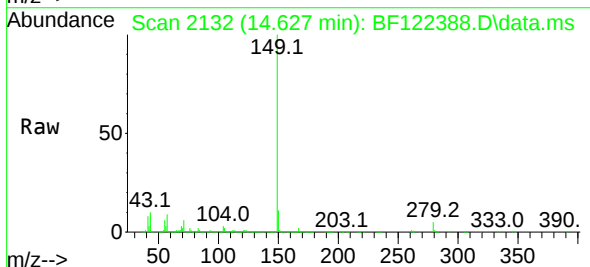
Tgt Ion:149 Resp: 1474504
Ion Ratio Lower Upper
149 100
167 27.6 20.9 31.3
279 5.0 3.2 4.8#

Manual Integrations
APPROVED

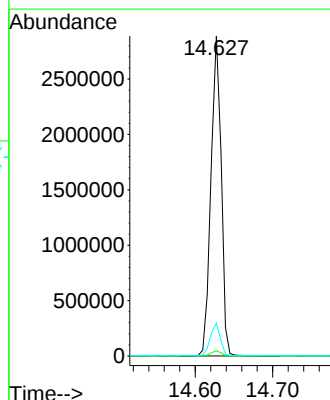
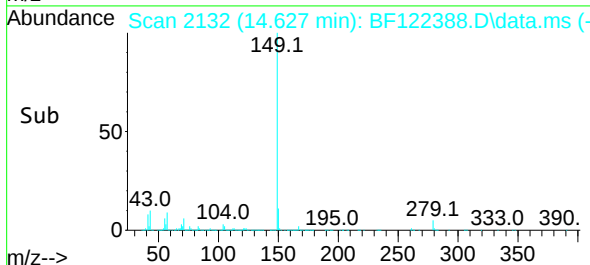
mohammad
11/24/2020 8:54:18 AM

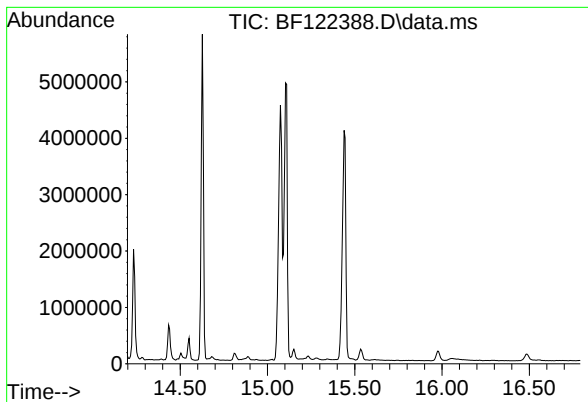


#85
Di-n-octyl phthalate
Concen: 19789.56 ng
RT: 14.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BF122388.D
Acq: 19 Nov 2020 19:08



Tgt Ion:149 Resp: 2655109
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 9.8 9.0 13.6





#86
Perylene-d12
Concen: 0.00 ng
Expected RT: 15.50 min

Lab File: BF122388.D
Acq: 19 Nov 2020 19:08

Tgt Ion:	264
Sig	Exp Ratio
264	100
260	23.4
265	21.6

Instrument :
BNA_F
ClientSampleId :
ND-SOILMSD

Manual Integrations
APPROVED

mohammad
11/24/2020 8:54:18 AM

