

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111020\
 Data File : BF122292.D
 Acq On : 10 Nov 2020 11:46
 Operator : JU/CG
 Sample : L4214-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
 APPROVED

mohammad
 11/11/2020 10:31:54 AM

Quant Time: Nov 10 13:16:50 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 13:10:47 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	309125	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	1113671	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	583939	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	1048328	20.00	ng	0.00
76) Chrysene-d12	14.027	240	950336	20.00	ng	0.00
86) Perylene-d12	15.492	264	930195	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	2600946	129.20	ng	0.00
7) Phenol-d6	6.492	99	3346043	127.05	ng	0.00
23) Nitrobenzene-d5	7.434	82	2118439	116.45	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	893993	142.64	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	3443368	92.13	ng	0.00
79) Terphenyl-d14	12.980	244	4054766	90.39	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.652	88	38814	4.20	ng	89
3) Pyridine	3.469	79	96108	3.78	ng	92
4) n-Nitrosodimethylamine	3.328	42	44966	3.76	ng	# 92
6) Aniline	6.534	93	137615	3.98	ng	93
8) 2-Chlorophenol	6.651	128	85718	4.11	ng	91
9) Benzaldehyde	6.416	77	74323	5.00	ng	99
10) Phenol	6.504	94	100657m	3.88	ng	
11) bis(2-Chloroethyl)ether	6.598	93	86073	4.18	ng	97
12) 1,3-Dichlorobenzene	6.810	146	97271	4.10	ng	96
13) 1,4-Dichlorobenzene	6.881	146	99169	4.17	ng	97
14) 1,2-Dichlorobenzene	7.039	146	93437	4.20	ng	100
15) Benzyl Alcohol	6.998	79	61700	3.30	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.139	45	121622	4.05	ng	98
17) 2-Methylphenol	7.104	107	69614	4.00	ng	99
18) Hexachloroethane	7.381	117	32405	3.91	ng	96
19) n-Nitroso-di-n-propyla...	7.275	70	63412	4.03	ng	93
20) 3+4-Methylphenols	7.257	107	88573	4.13	ng	# 67
22) Acetophenone	7.269	105	125297	4.32	ng	# 86
24) Nitrobenzene	7.445	77	98884	4.75	ng	99
25) Isophorone	7.681	82	163131	4.02	ng	98
26) 2-Nitrophenol	7.763	139	23975	3.41	ng	98
27) 2,4-Dimethylphenol	7.792	122	80465	4.21	ng	98
28) bis(2-Chloroethoxy)met...	7.892	93	103265	4.16	ng	99
29) 2,4-Dichlorophenol	7.998	162	66431	3.92	ng	97
30) 1,2,4-Trichlorobenzene	8.092	180	77731	4.16	ng	95
31) Naphthalene	8.169	128	256433	4.33	ng	99
32) Benzoic acid	7.834	122	18693	2.17	ng	94
33) 4-Chloroaniline	8.210	127	103772	4.02	ng	99
34) Hexachlorobutadiene	8.292	225	44715	4.16	ng	96
35) Caprolactam	8.539	113	20017	3.73	ng	93
36) 4-Chloro-3-methylphenol	8.681	107	68132	3.86	ng	97
37) 2-Methylnaphthalene	8.863	142	167178	4.27	ng	99
38) 1-Methylnaphthalene	8.963	142	156200	4.27	ng	98
40) 1,2,4,5-Tetrachloroben...	9.028	216	76195	4.23	ng	98
41) Hexachlorocyclopentadiene	9.022	237	38646	3.67	ng	98
43) 2,4,6-Trichlorophenol	9.133	196	44562	3.81	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111020\
 Data File : BF122292.D
 Acq On : 10 Nov 2020 11:46
 Operator : JU/CG
 Sample : L4214-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

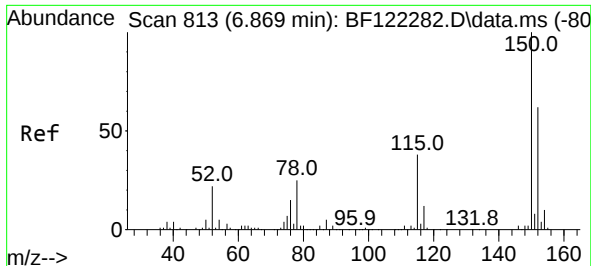
Manual Integrations
 APPROVED

mohammad
 11/11/2020 10:31:54 AM

Quant Time: Nov 10 13:16:50 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 13:10:47 2020
 Response via : Initial Calibration

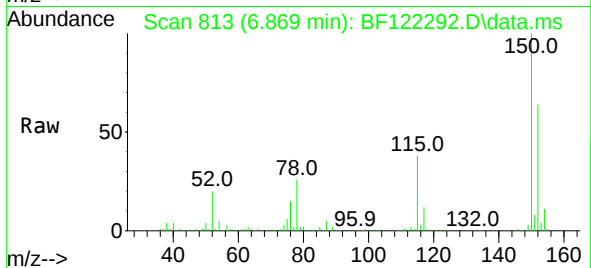
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	46560	3.80	ng	99
46) 1,1'-Biphenyl	9.328	154	209251	4.50	ng	96
47) 2-Chloronaphthalene	9.351	162	161595	4.38	ng	96
48) 2-Nitroaniline	9.433	65	32361	3.57	ng	93
49) Acenaphthylene	9.763	152	242594	4.28	ng	98
50) Dimethylphthalate	9.616	163	175083	4.22	ng	99
51) 2,6-Dinitrotoluene	9.675	165	29958	3.73	ng	93
52) Acenaphthene	9.933	154	147150	4.19	ng	97
53) 3-Nitroaniline	9.839	138	35033	3.78	ng	# 92
54) 2,4-Dinitrophenol	9.945	184	4348	1.77	ng	# 1
55) Dibenzofuran	10.104	168	222082	4.32	ng	99
56) 4-Nitrophenol	9.986	139	24767	3.13	ng	86
57) 2,4-Dinitrotoluene	10.075	165	32991	3.40	ng	93
58) Fluorene	10.451	166	176645	4.49	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.222	232	38734	3.80	ng	98
60) Diethylphthalate	10.322	149	168819	4.15	ng	97
61) 4-Chlorophenyl-phenyle...	10.445	204	81854	4.40	ng	95
62) 4-Nitroaniline	10.445	138	34941	3.83	ng	88
63) Azobenzene	10.604	77	179349	4.20	ng	98
65) 4,6-Dinitro-2-methylph...	10.480	198	8216	2.06	ng	90
66) n-Nitrosodiphenylamine	10.563	169	149951	4.20	ng	96
67) 4-Bromophenyl-phenylether	10.933	248	49800	4.04	ng	96
68) Hexachlorobenzene	10.998	284	56487	4.24	ng	98
69) Atrazine	11.080	200	40661	4.57	ng	98
70) Pentachlorophenol	11.186	266	24464	3.19	ng	95
71) Phenanthrene	11.410	178	266258	4.48	ng	100
72) Anthracene	11.463	178	267232	4.36	ng	98
73) Carbazole	11.610	167	236593	4.24	ng	99
74) Di-n-butylphthalate	11.951	149	233946	3.94	ng	99
75) Fluoranthene	12.598	202	261425	4.21	ng	96
77) Benzidine	12.716	184	117248	4.45	ng	97
78) Pyrene	12.827	202	275181	4.12	ng	98
80) Butylbenzylphthalate	13.451	149	75739	3.16	ng	95
81) Benzo(a)anthracene	14.015	228	253278	4.29	ng	98
82) 3,3'-Dichlorobenzidine	13.974	252	79184	3.60	ng	99
83) Chrysene	14.051	228	255224	4.29	ng	100
84) Bis(2-ethylhexyl)phtha...	14.015	149	119564	3.71	ng	98
85) Di-n-octyl phthalate	14.627	149	164928	3.02	ng	100
87) Indeno(1,2,3-cd)pyrene	16.945	276	212781	3.81	ng	98
88) Benzo(b)fluoranthene	15.057	252	233418	3.87	ng	99
89) Benzo(k)fluoranthene	15.086	252	231140	3.93	ng	99
90) Benzo(a)pyrene	15.427	252	197069	3.75	ng	99
91) Dibenzo(a,h)anthracene	16.962	278	179372	3.84	ng	99
92) Benzo(g,h,i)perylene	17.380	276	174534	3.84	ng	96

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.869 min Scan# 813
 Delta R.T. -0.000 min
 Lab File: BF122292.D
 Acq: 10 Nov 2020 11:46

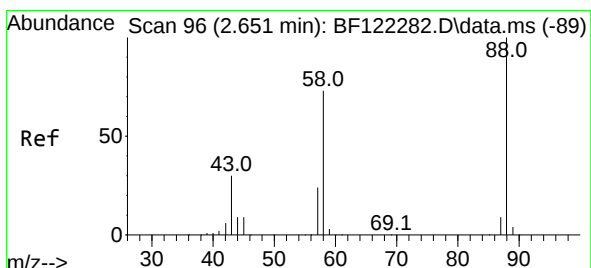
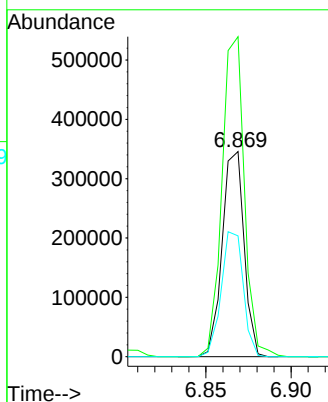
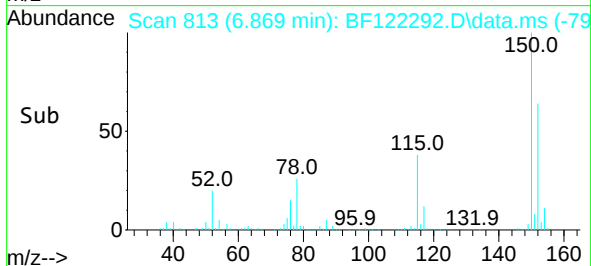
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020



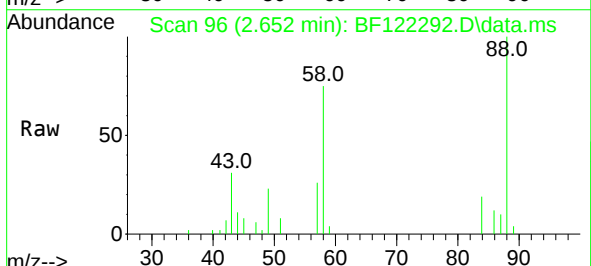
Tgt Ion:152 Resp: 309125
 Ion Ratio Lower Upper
 152 100
 150 156.0 125.3 187.9
 115 58.9 51.9 77.9

Manual Integrations
 APPROVED

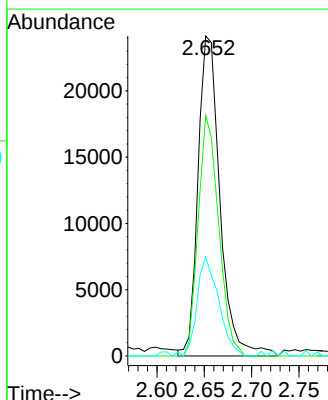
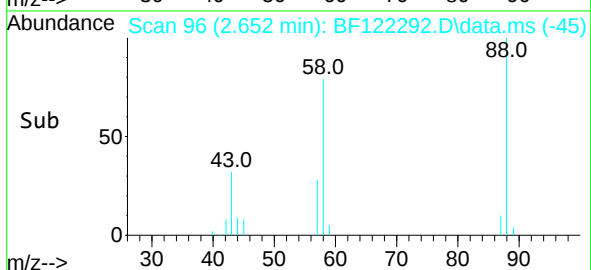
mohammad
 11/11/2020 10:31:54 AM

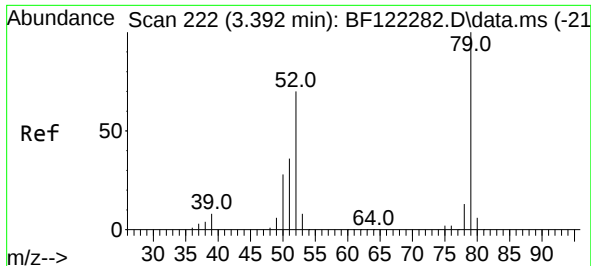


#2
 1,4-Dioxane
 Concen: 4.20 ng
 RT: 2.652 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: BF122292.D
 Acq: 10 Nov 2020 11:46

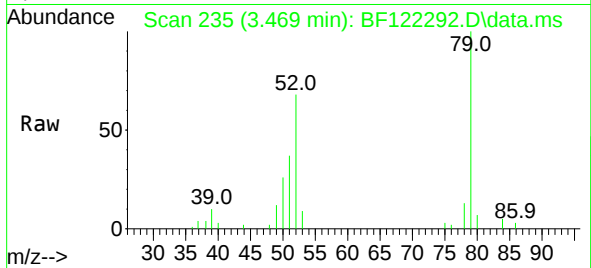


Tgt Ion: 88 Resp: 38814
 Ion Ratio Lower Upper
 88 100
 58 70.0 65.8 98.8
 43 30.5 25.8 38.8

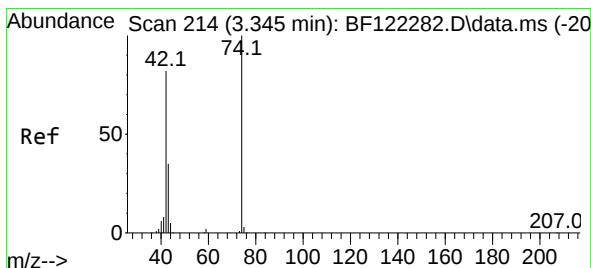
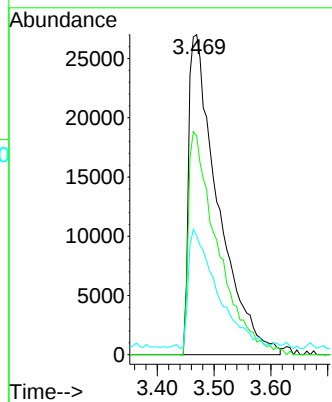
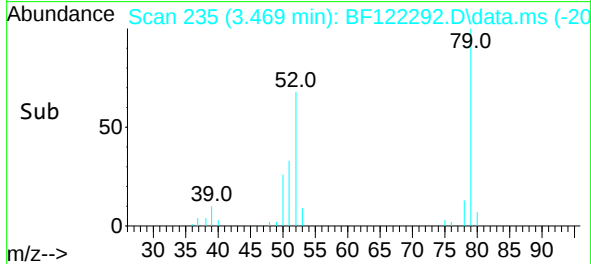




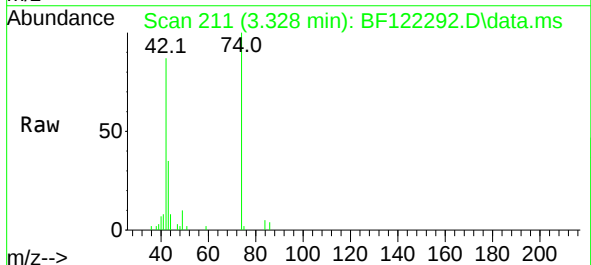
#3
Pyridine
Concen: 3.78 ng
RT: 3.469 min Scan# 235
Delta R.T. 0.077 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



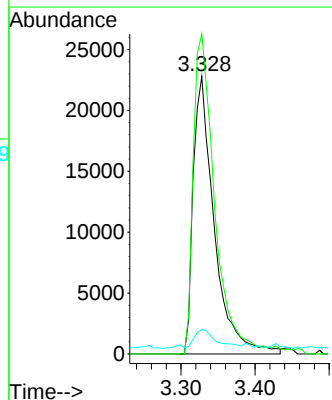
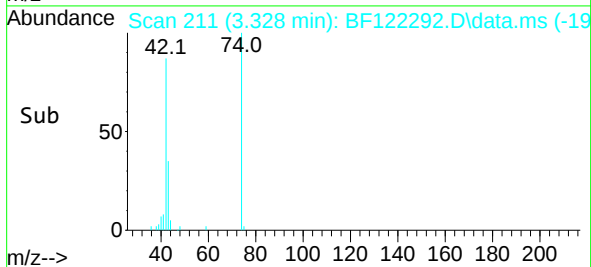
Tgt Ion: 79 Resp: 96108
Ion Ratio Lower Upper
79 100
52 68.4 62.2 93.4
51 37.2 31.1 46.7



#4
n-Nitrosodimethylamine
Concen: 3.76 ng
RT: 3.328 min Scan# 211
Delta R.T. -0.017 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



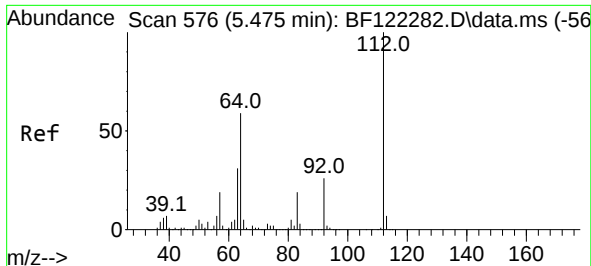
Tgt Ion: 42 Resp: 44966
Ion Ratio Lower Upper
42 100
74 115.3 100.2 150.2
44 8.8 5.8 8.6#



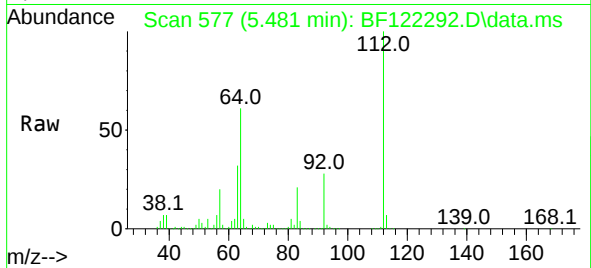
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

mohammad
11/11/2020 10:31:54 AM

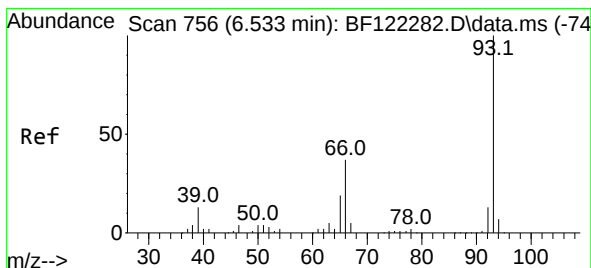
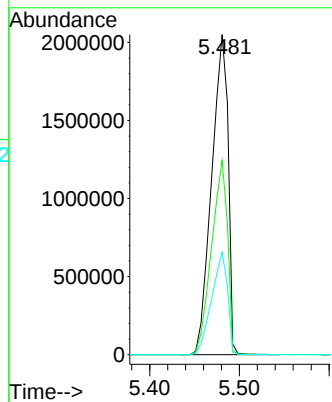
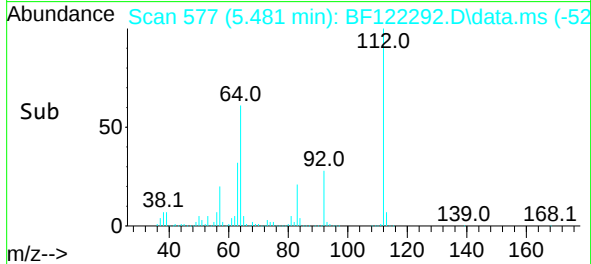


#5
2-Fluorophenol
Concen: 129.20 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

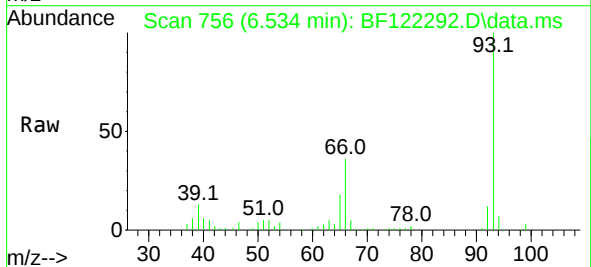


Tgt Ion: 112 Resp: 2600946

Ion	Ratio	Lower	Upper
112	100		
64	60.7	50.4	75.6
63	32.1	25.8	38.6

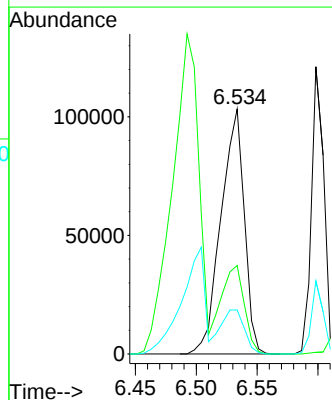
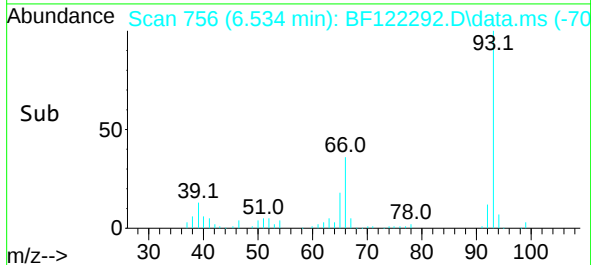


#6
Aniline
Concen: 3.98 ng
RT: 6.534 min Scan# 756
Delta R.T. 0.000 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



Tgt Ion: 93 Resp: 137615

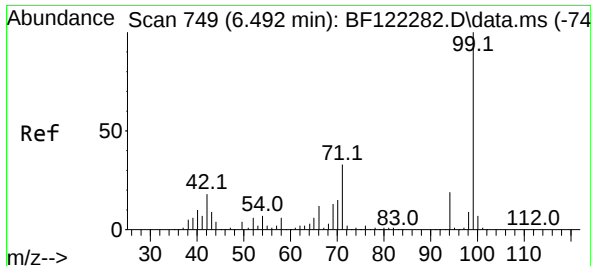
Ion	Ratio	Lower	Upper
93	100		
66	36.1	32.7	49.1
65	17.9	16.6	24.8



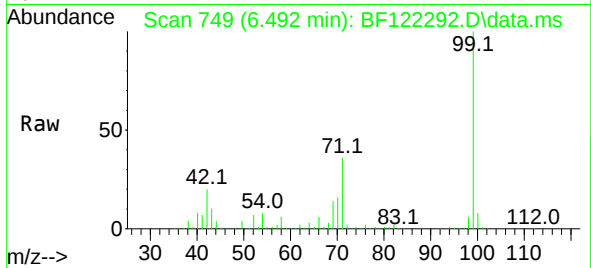
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

mohammad
11/11/2020 10:31:54 AM

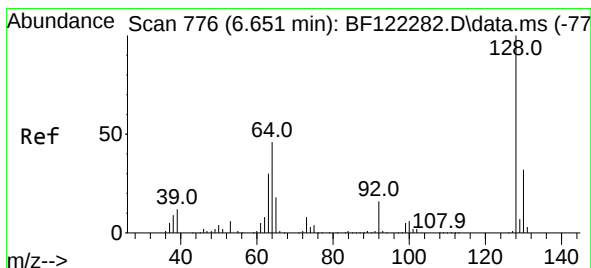
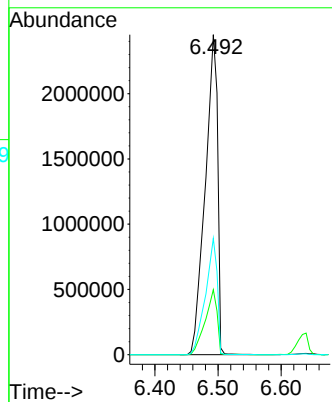
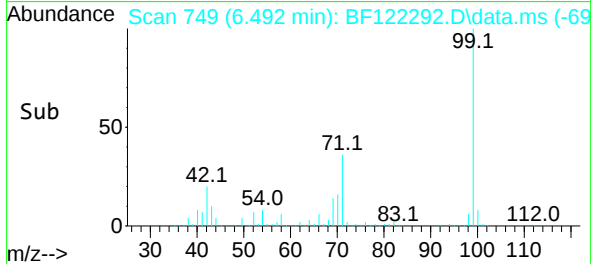


#7
Phenol-d6
Concen: 127.05 ng
RT: 6.492 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

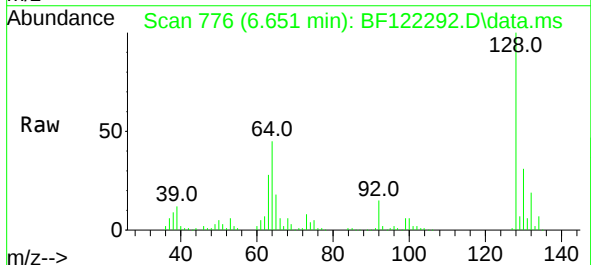


Tgt Ion: 99 Resp: 3346043

Ion	Ratio	Lower	Upper
99	100		
42	20.3	15.9	23.9
71	36.4	27.1	40.7

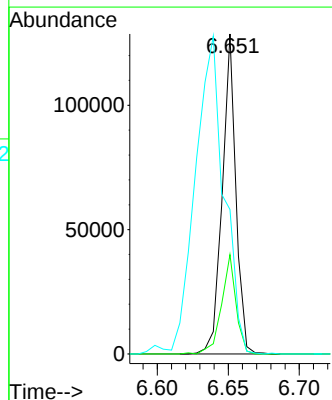
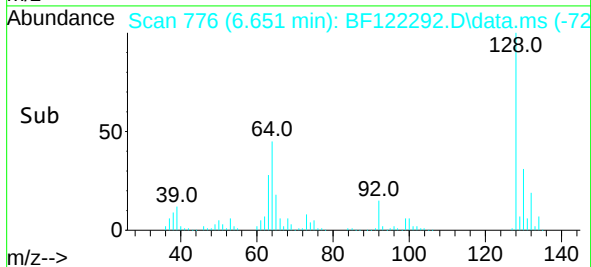


#8
2-Chlorophenol
Concen: 4.11 ng
RT: 6.651 min Scan# 776
Delta R.T. 0.000 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



Tgt Ion: 128 Resp: 85718

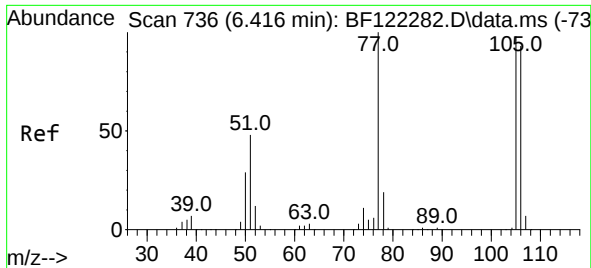
Ion	Ratio	Lower	Upper
128	100		
130	31.0	12.4	52.4
64	45.1	34.8	74.8



Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

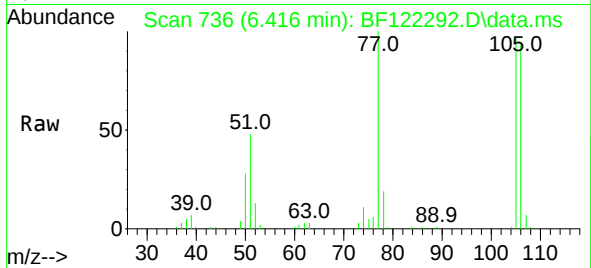
Manual Integrations
APPROVED

mohammad
11/11/2020 10:31:54 AM



#9
Benzaldehyde
Concen: 5.00 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

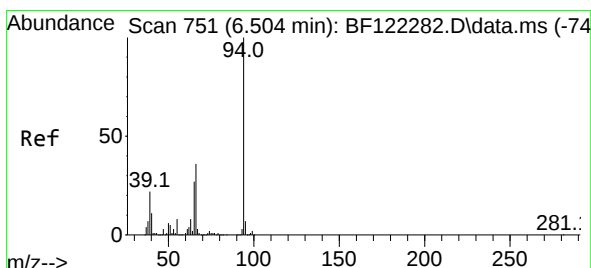
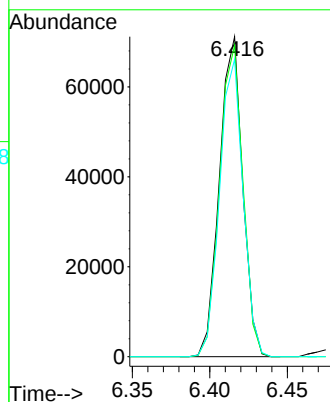
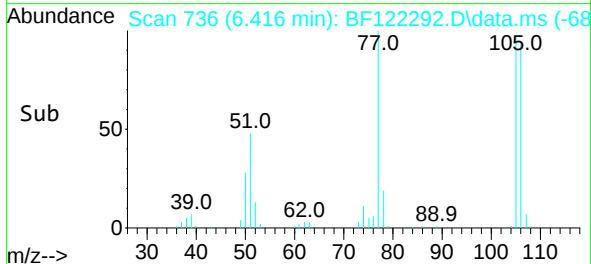
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



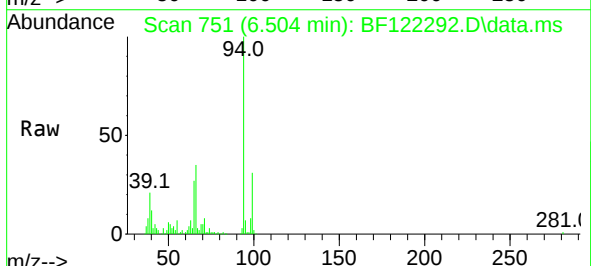
Tgt Ion: 77 Resp: 74323
Ion Ratio Lower Upper
77 100
105 97.3 76.7 116.7
106 93.0 71.3 111.3

Manual Integrations
APPROVED

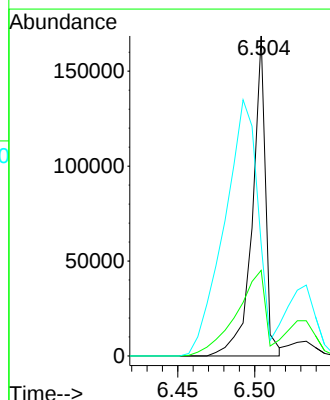
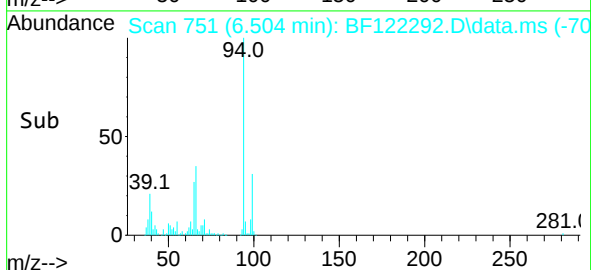
mohammad
11/11/2020 10:31:54 AM

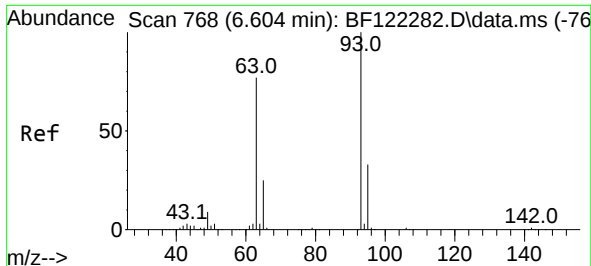


#10
Phenol
Concen: 3.88 ng m
RT: 6.504 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



Tgt Ion: 94 Resp: 100657
Ion Ratio Lower Upper
94 100
65 26.8 17.1 57.1
66 35.0 36.0 76.0#





#11

bis(2-Chloroethyl)ether

Concen: 4.18 ng

RT: 6.598 min Scan# 767

Delta R.T. -0.006 min

Lab File: BF122292.D

Acq: 10 Nov 2020 11:46

Tgt Ion:	93	Resp:	86073
Ion	Ratio	Lower	Upper
93	100		
63	78.3	62.4	102.4
95	32.2	12.6	52.6

Instrument :

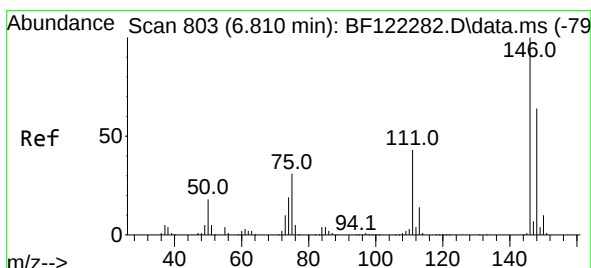
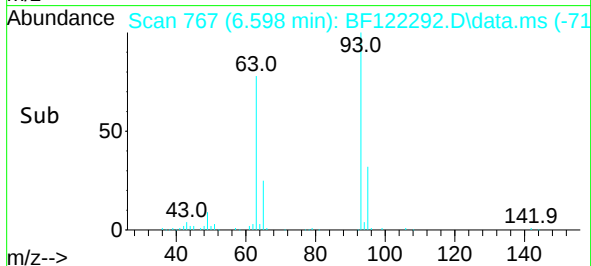
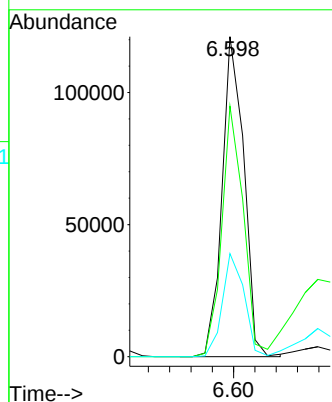
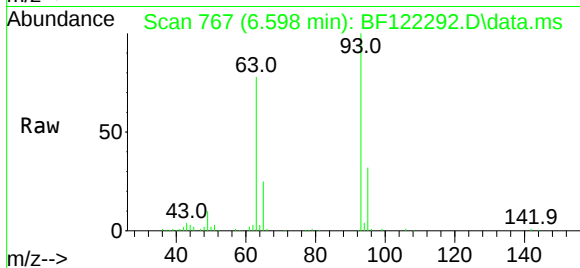
BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

mohammad
11/11/2020 10:31:54 AM



#12

1,3-Dichlorobenzene

Concen: 4.10 ng

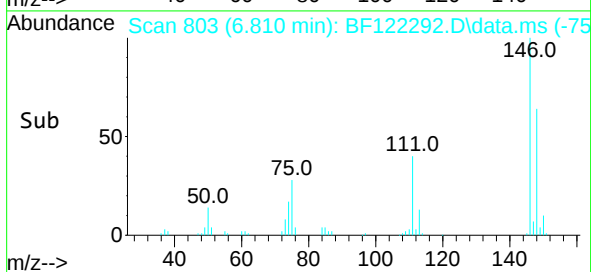
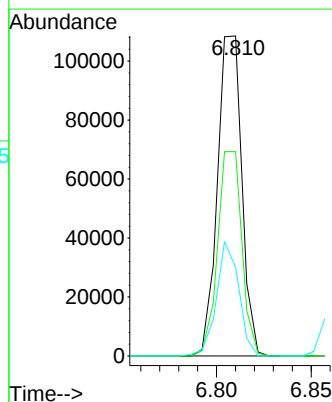
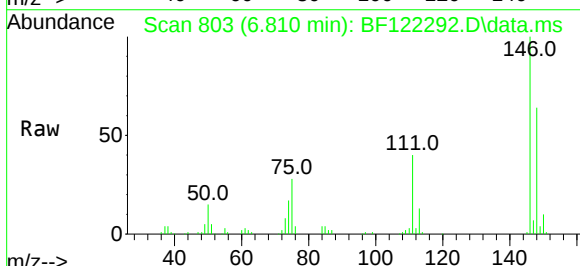
RT: 6.810 min Scan# 803

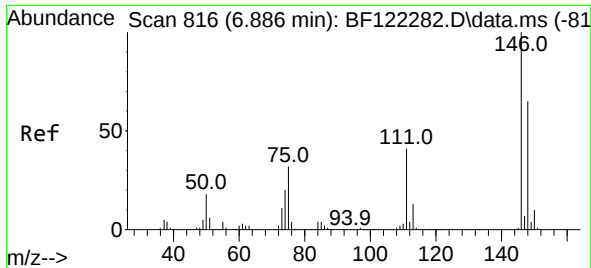
Delta R.T. 0.000 min

Lab File: BF122292.D

Acq: 10 Nov 2020 11:46

Tgt Ion:	146	Resp:	97271
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.4
75	27.8	27.6	41.4





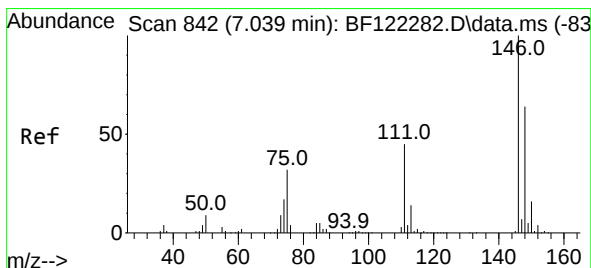
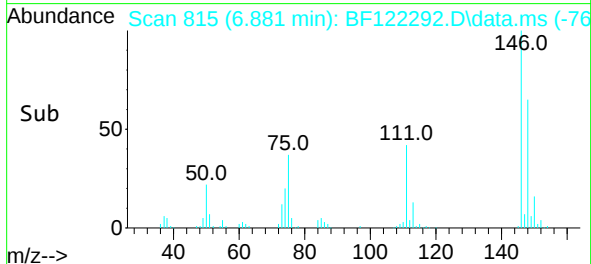
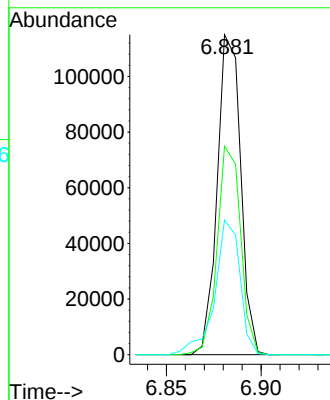
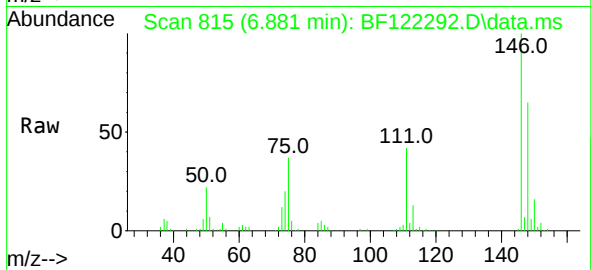
#13
1,4-Dichlorobenzene
Concen: 4.17 ng
RT: 6.881 min Scan# 815
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:146 Resp: 99169
Ion Ratio Lower Upper
146 100
148 65.2 50.1 75.1
111 42.1 34.6 52.0

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

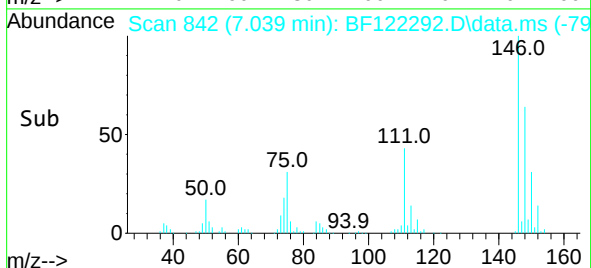
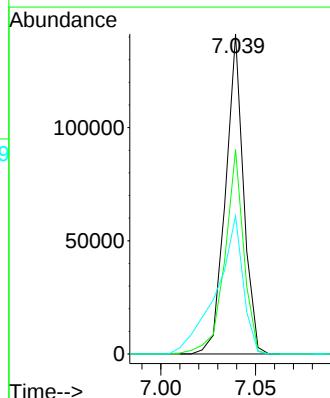
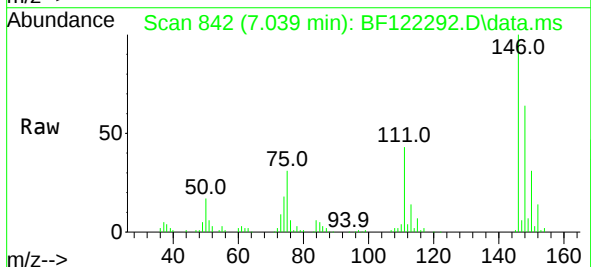
Manual Integrations
APPROVED

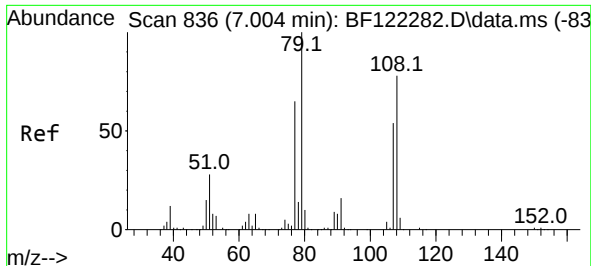
mohammad
11/11/2020 10:31:54 AM



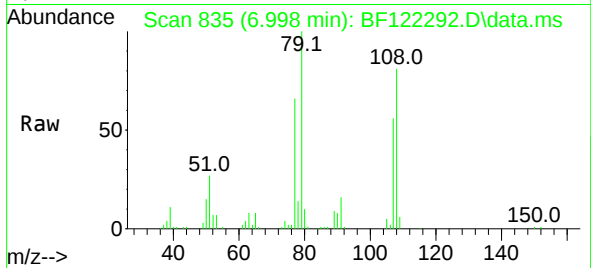
#14
1,2-Dichlorobenzene
Concen: 4.20 ng
RT: 7.039 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:146 Resp: 93437
Ion Ratio Lower Upper
146 100
148 63.9 51.1 76.7
111 43.2 34.2 51.4

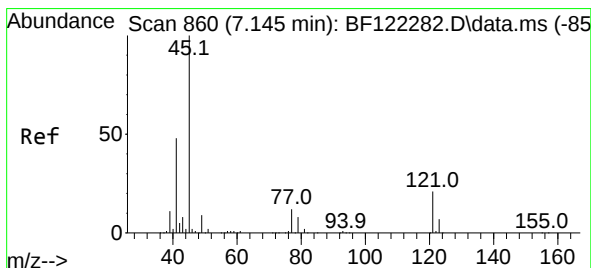
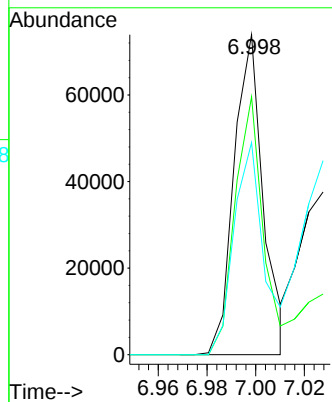
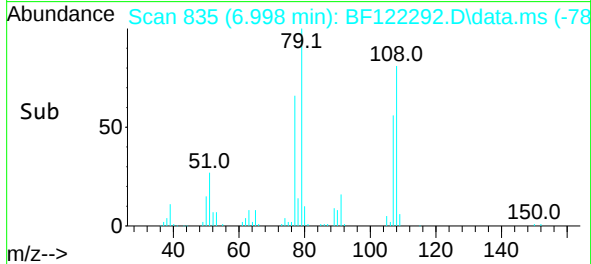




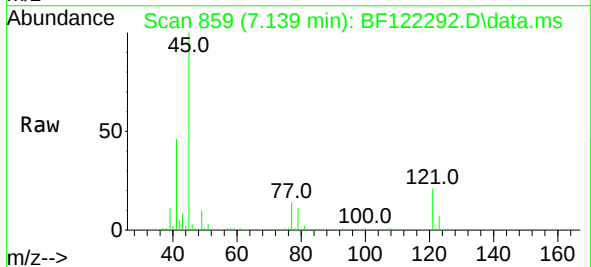
#15
Benzyl Alcohol
Concen: 3.30 ng
RT: 6.998 min Scan# 835
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



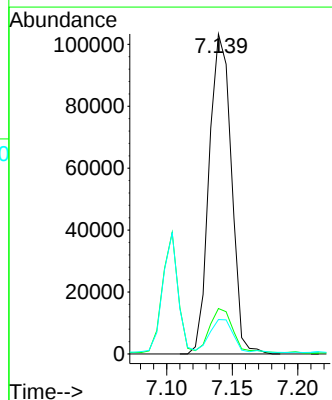
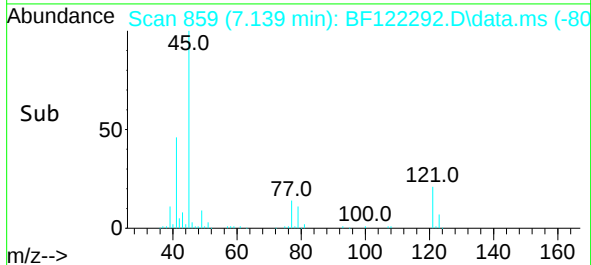
Tgt Ion: 79 Resp: 61700
Ion Ratio Lower Upper
79 100
108 80.6 62.3 93.5
77 66.3 50.6 75.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.05 ng
RT: 7.139 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



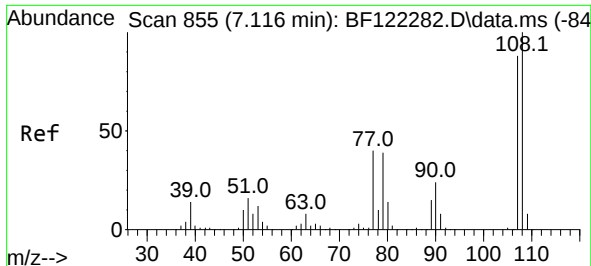
Tgt Ion: 45 Resp: 121622
Ion Ratio Lower Upper
45 100
77 14.2 0.0 33.3
79 10.7 0.0 30.4



Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

mohammad
11/11/2020 10:31:54 AM



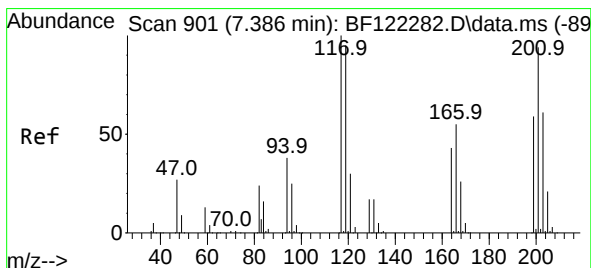
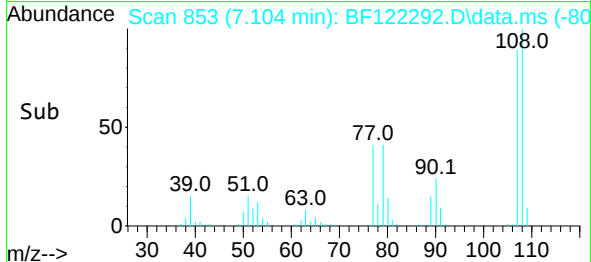
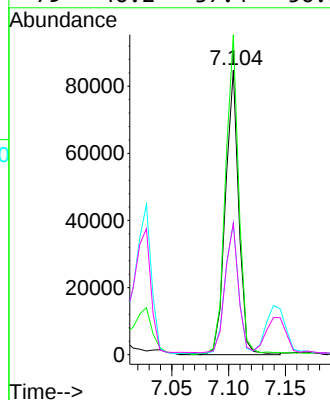
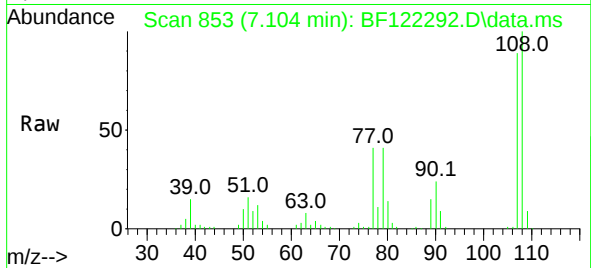
#17
2-Methylphenol
Concen: 4.00 ng
RT: 7.104 min Scan# 853
Delta R.T. -0.011 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:107	Resp:	69614
Ion Ratio	Lower	Upper
107	100	
108	112.5	90.9 136.3
77	46.3	37.5 56.3
79	46.2	37.4 56.0

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

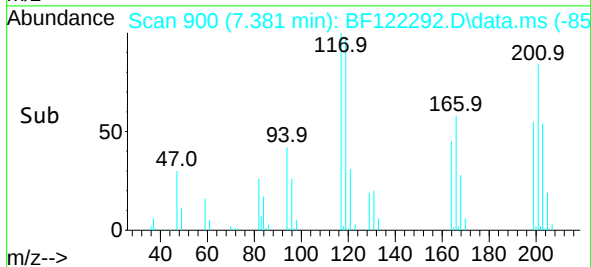
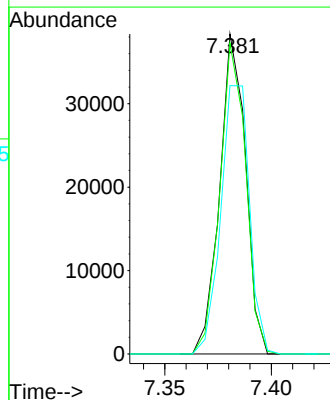
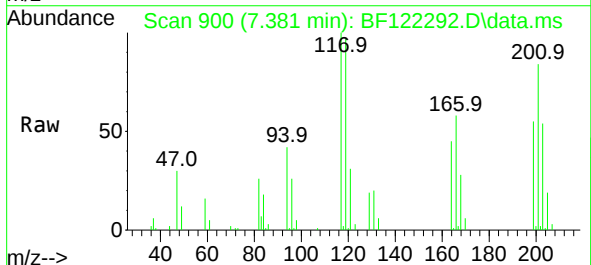
Manual Integrations
APPROVED

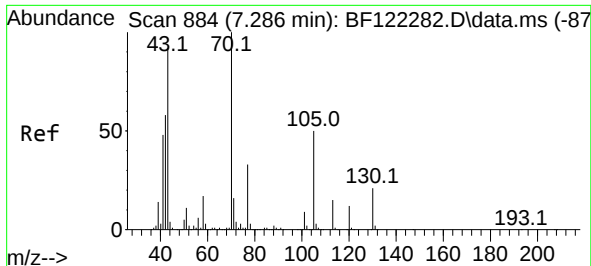
mohammad
11/11/2020 10:31:54 AM



#18
Hexachloroethane
Concen: 3.91 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

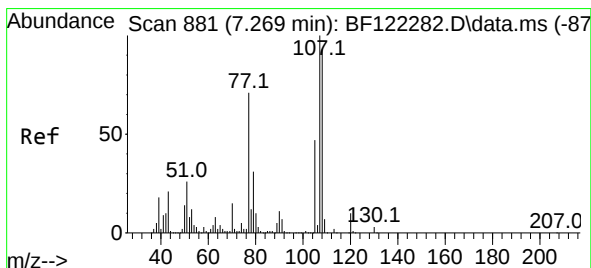
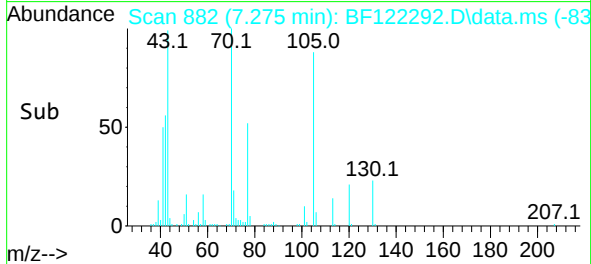
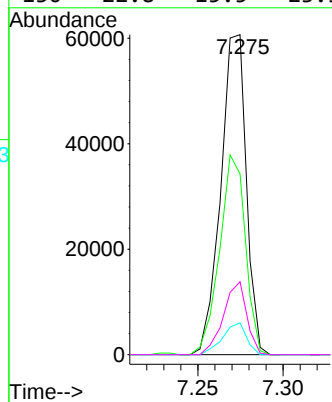
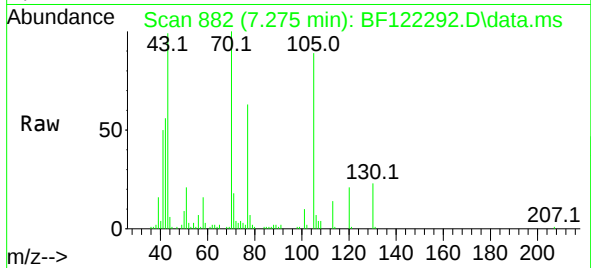
Tgt Ion:117	Resp:	32405
Ion Ratio	Lower	Upper
117	100	
119	97.1	76.3 114.5
201	83.8	71.8 107.6





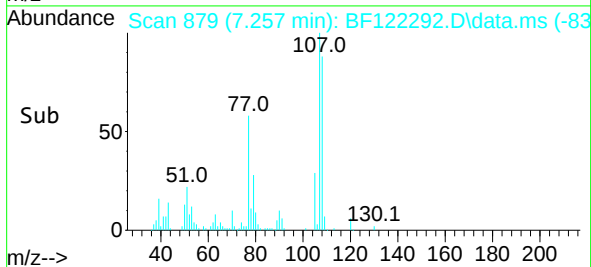
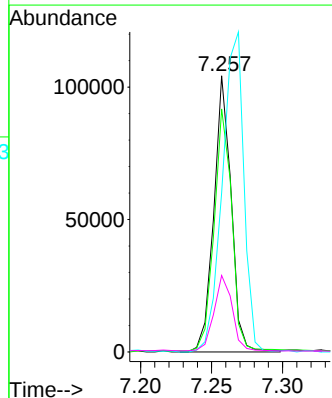
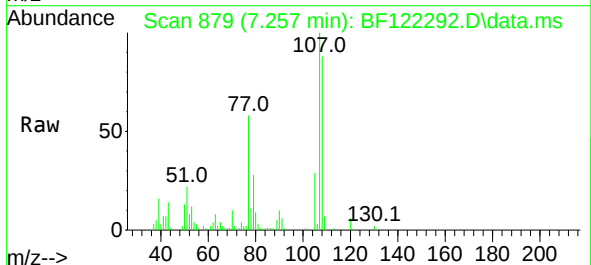
#19
n-Nitroso-di-n-propylamine
Concen: 4.03 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.011 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:	70	Resp:	63412
Ion Ratio	Lower	Upper	
70	100		
42	56.5	50.2	75.4
101	10.0	7.5	11.3
130	22.8	15.5	23.3



#20
3+4-Methylphenols
Concen: 4.13 ng
RT: 7.257 min Scan# 879
Delta R.T. -0.011 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:	107	Resp:	88573
Ion Ratio	Lower	Upper	
107	100		
108	88.0	68.9	108.9
77	57.6	108.0	148.0#
79	27.7	10.5	50.5



Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

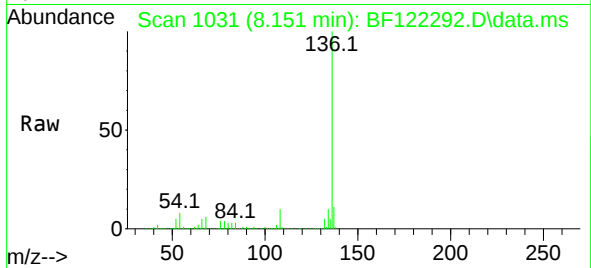
Manual Integrations
APPROVED

mohammad
11/11/2020 10:31:54 AM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

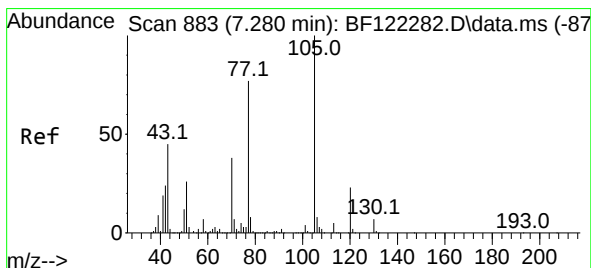
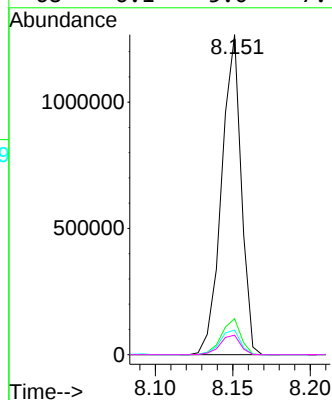


Tgt Ion:136 Resp: 1113671

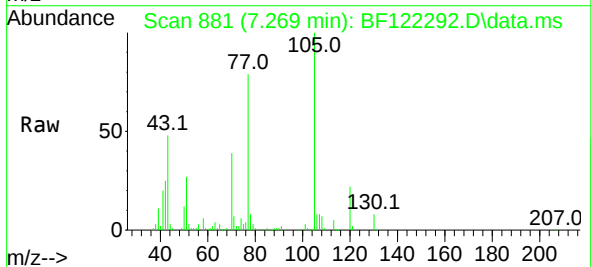
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	7.7	7.1	10.7
68	6.1	5.0	7.4

Manual Integrations
APPROVED

mohammad
11/11/2020 10:31:54 AM

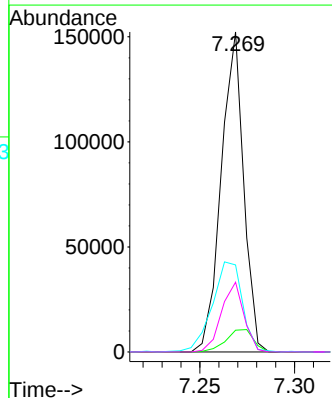
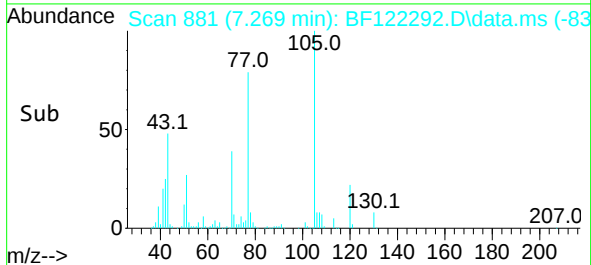


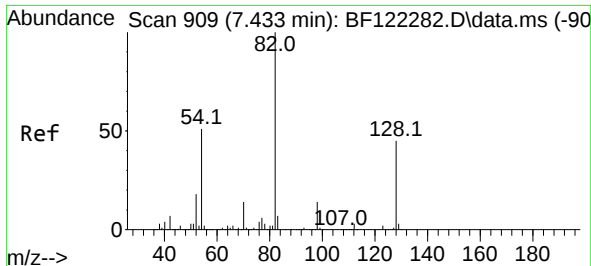
#22
Acetophenone
Concen: 4.32 ng
RT: 7.269 min Scan# 881
Delta R.T. -0.011 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



Tgt Ion:105 Resp: 125297

Ion	Ratio	Lower	Upper
105	100		
71	6.8	5.3	7.9
51	27.2	33.2	49.8#
120	21.8	17.4	26.0





#23

Nitrobenzene-d5

Concen: 116.45 ng

RT: 7.434 min Scan# 909

Delta R.T. 0.000 min

Lab File: BF122292.D

Acq: 10 Nov 2020 11:46

Tgt Ion: 82 Resp: 2118439

Ion	Ratio	Lower	Upper
82	100		
128	47.3	35.0	52.4
54	50.3	43.9	65.9

Instrument :

BNA_F

ClientSampleId :

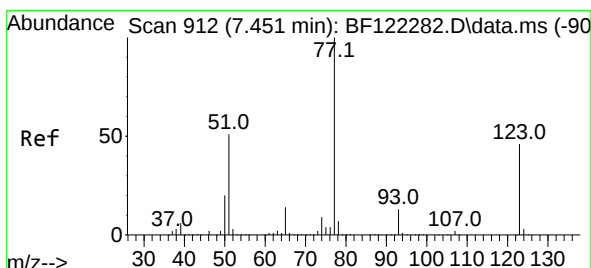
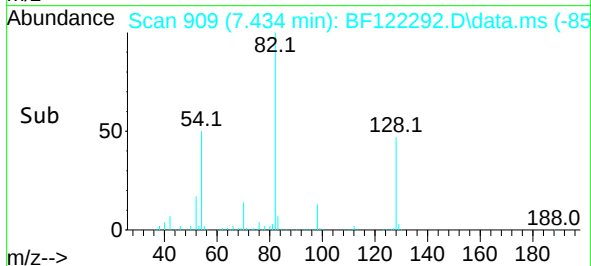
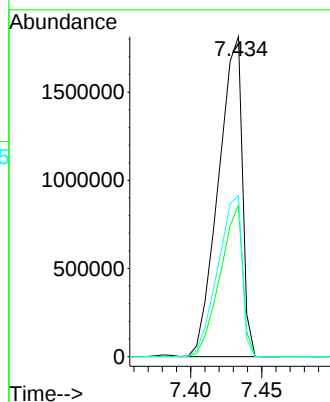
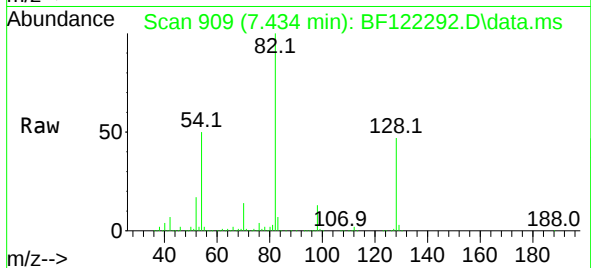
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations

APPROVED

mohammad

11/11/2020 10:31:54 AM



#24

Nitrobenzene

Concen: 4.75 ng

RT: 7.445 min Scan# 911

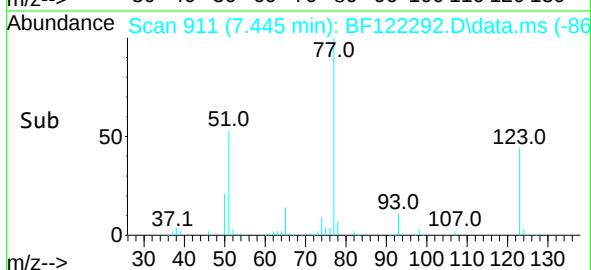
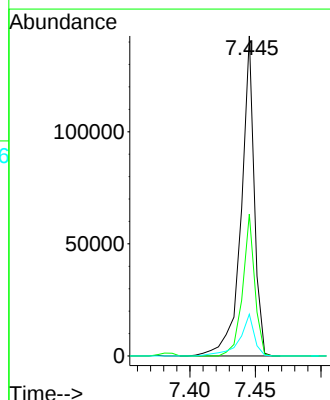
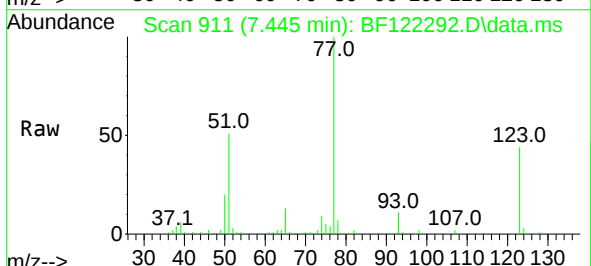
Delta R.T. -0.006 min

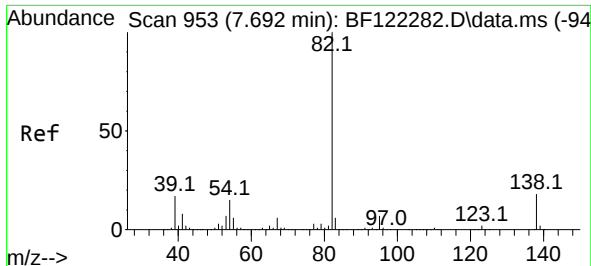
Lab File: BF122292.D

Acq: 10 Nov 2020 11:46

Tgt Ion: 77 Resp: 98884

Ion	Ratio	Lower	Upper
77	100		
123	44.3	35.6	53.4
65	13.1	11.2	16.8





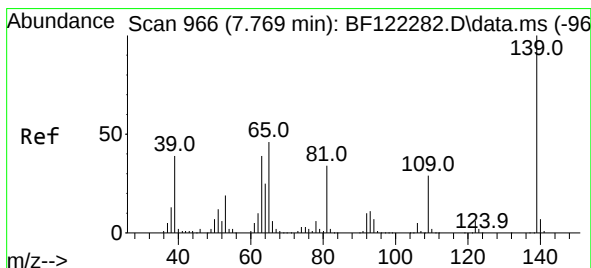
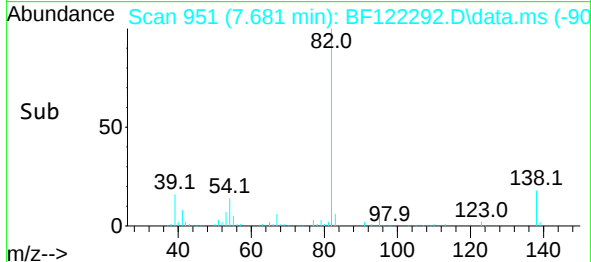
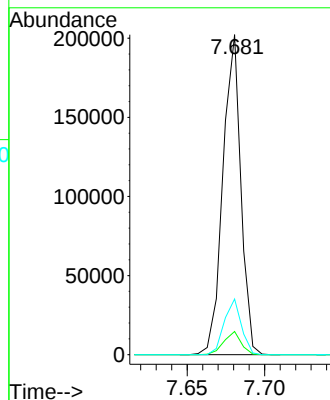
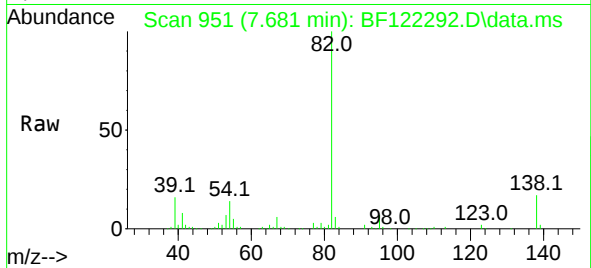
#25
Isophorone
Concen: 4.02 ng
RT: 7.681 min Scan# 951
Delta R.T. -0.011 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion: 82 Resp: 163131
Ion Ratio Lower Upper
82 100
95 7.3 5.4 8.0
138 17.4 13.4 20.0

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

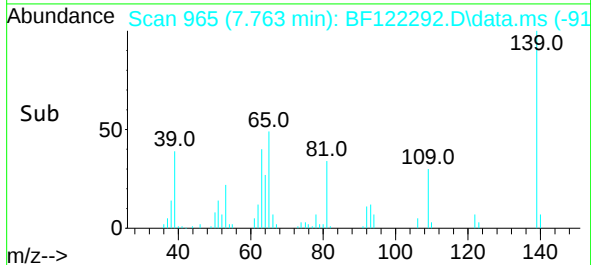
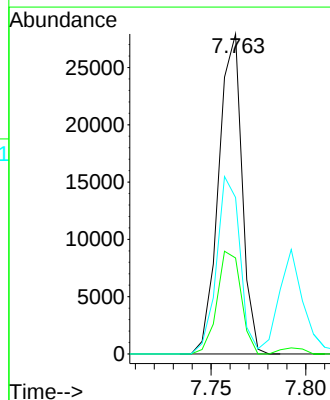
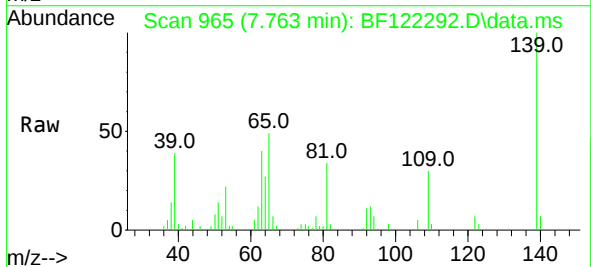
Manual Integrations
APPROVED

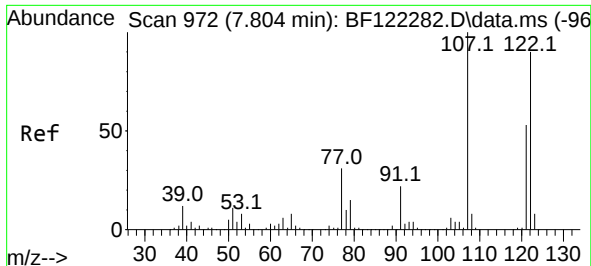
mohammad
11/11/2020 10:31:54 AM



#26
2-Nitrophenol
Concen: 3.41 ng
RT: 7.763 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion: 139 Resp: 23975
Ion Ratio Lower Upper
139 100
109 30.0 23.0 34.4
65 48.9 39.9 59.9





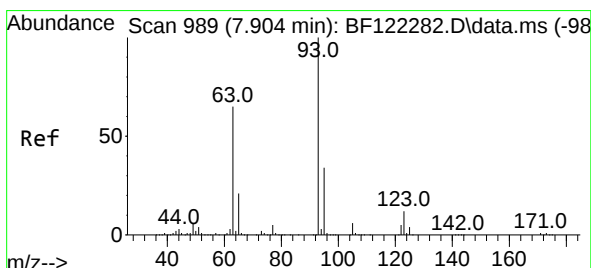
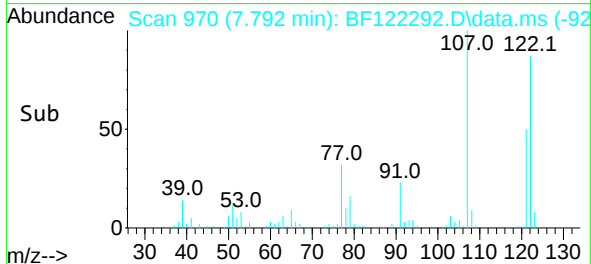
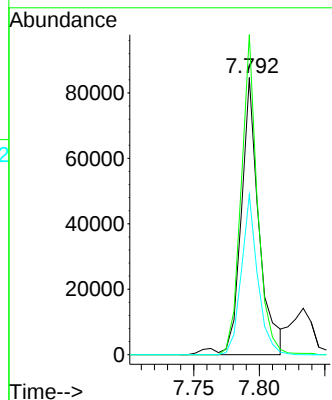
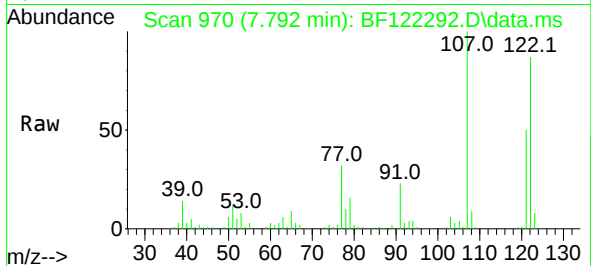
#27
2,4-Dimethylphenol
Concen: 4.21 ng
RT: 7.792 min Scan# 970
Delta R.T. -0.012 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion: 122 Resp: 80465
Ion Ratio Lower Upper
122 100
107 115.5 90.8 136.2
121 57.8 47.5 71.3

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

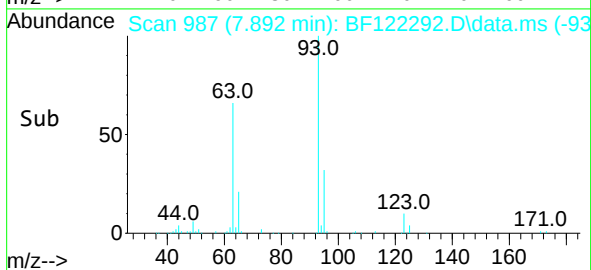
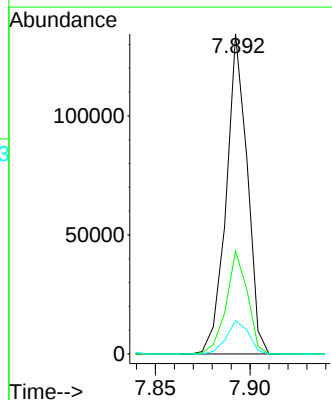
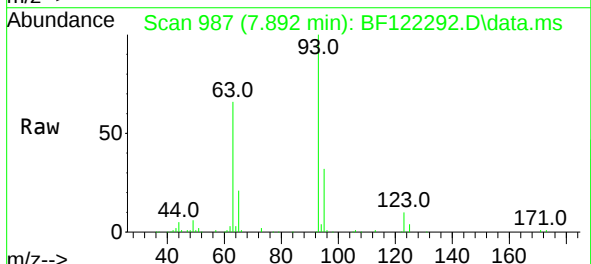
Manual Integrations
APPROVED

mohammad
11/11/2020 10:31:54 AM



#28
bis(2-Chloroethoxy)methane
Concen: 4.16 ng
RT: 7.892 min Scan# 987
Delta R.T. -0.011 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion: 93 Resp: 103265
Ion Ratio Lower Upper
93 100
95 32.2 26.2 39.4
123 10.4 8.8 13.2





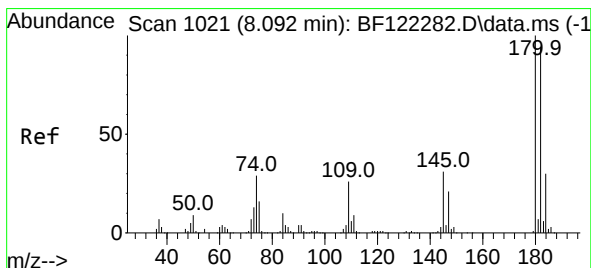
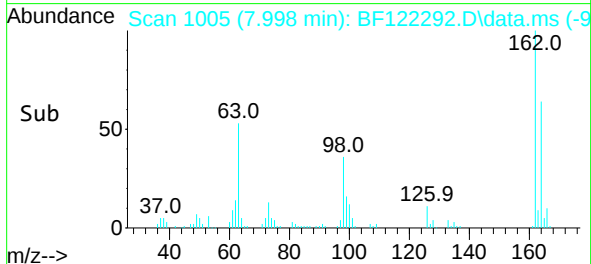
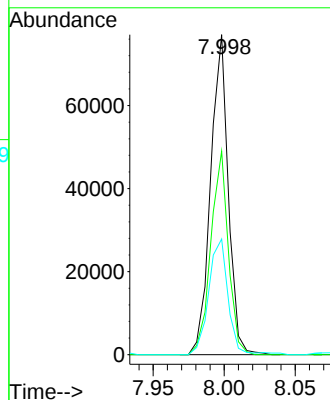
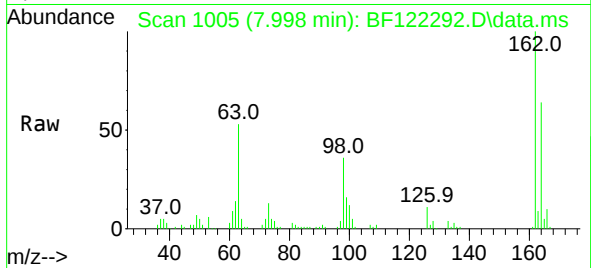
#29
2,4-Dichlorophenol
Concen: 3.92 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:162 Resp: 66431
Ion Ratio Lower Upper
162 100
164 63.6 42.5 82.5
98 36.2 20.1 60.1

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

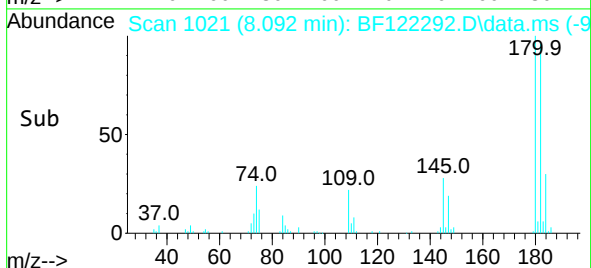
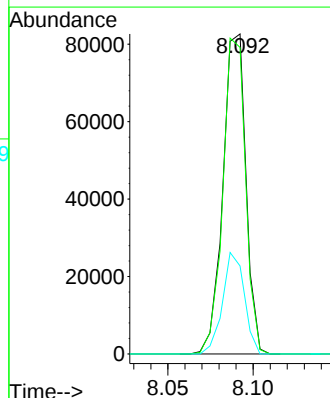
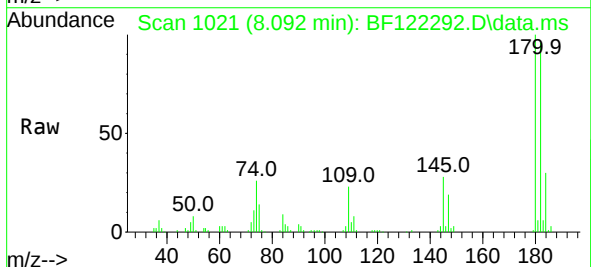
Manual Integrations
APPROVED

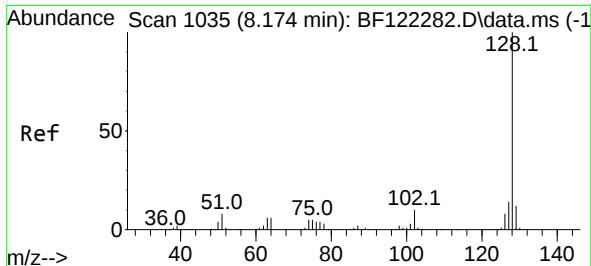
mohammad
11/11/2020 10:31:54 AM



#30
1,2,4-Trichlorobenzene
Concen: 4.16 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:180 Resp: 77731
Ion Ratio Lower Upper
180 100
182 95.8 79.4 119.2
145 27.5 25.5 38.3





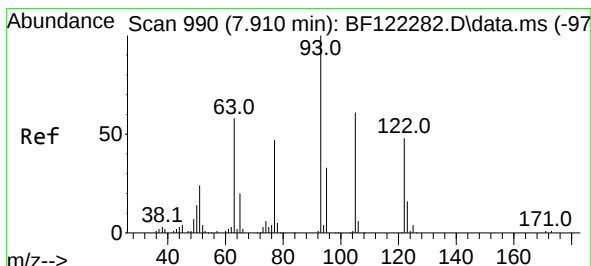
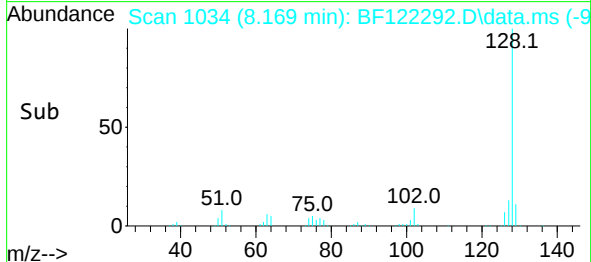
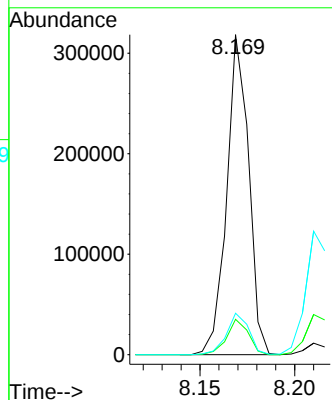
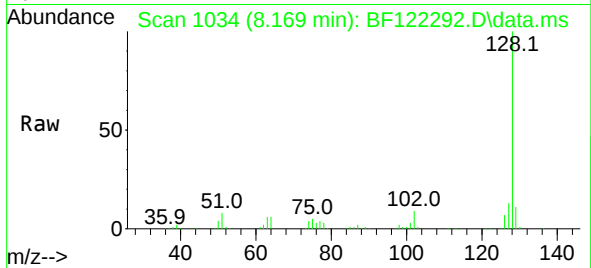
#31
Naphthalene
Concen: 4.33 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:128 Resp: 256433
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 12.9 10.8 16.2

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

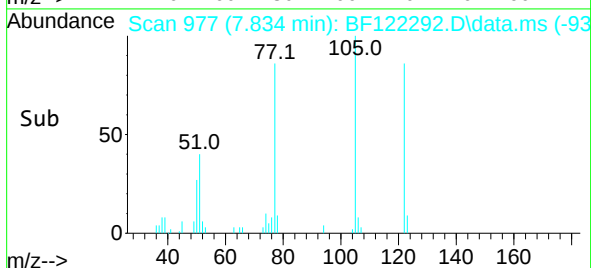
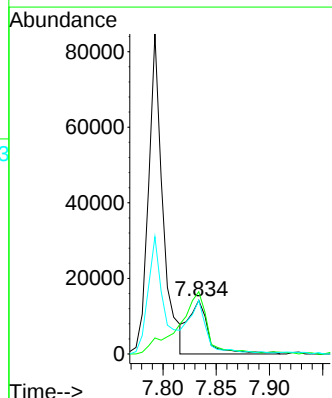
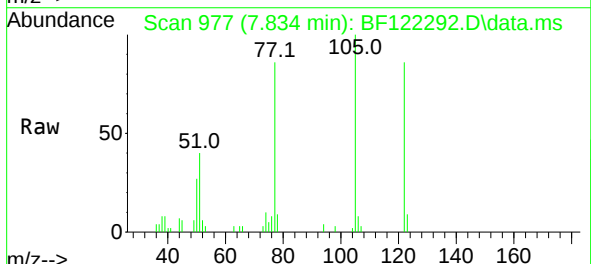
Manual Integrations
APPROVED

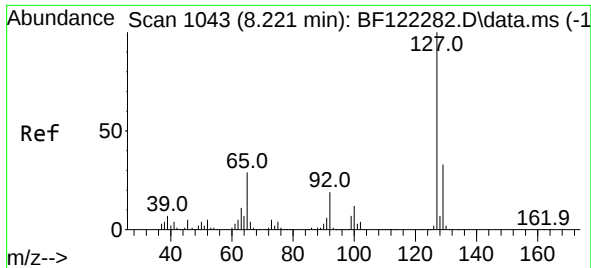
mohammad
11/11/2020 10:31:54 AM



#32
Benzoic acid
Concen: 2.17 ng
RT: 7.834 min Scan# 977
Delta R.T. -0.076 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:122 Resp: 18693
Ion Ratio Lower Upper
122 100
105 116.0 103.3 143.3
77 99.9 73.9 113.9





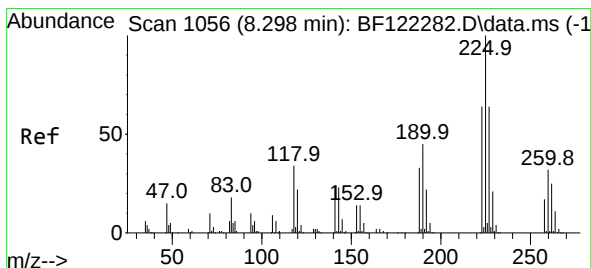
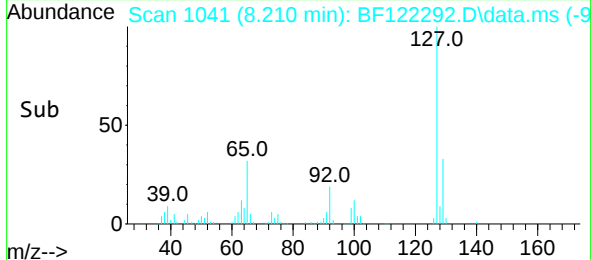
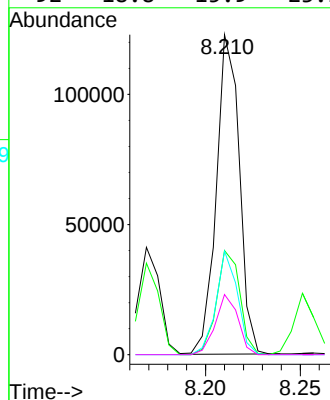
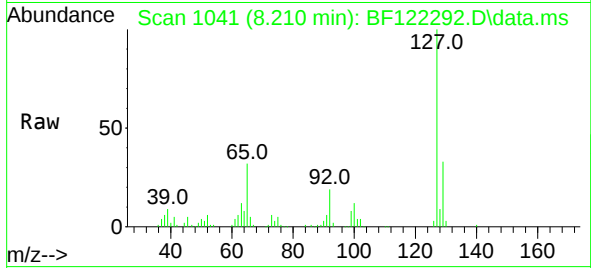
#33
4-Chloroaniline
Concen: 4.02 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.011 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:	127	Resp:	103772
Ion Ratio	Lower	Upper	
127	100		
129	32.5	26.3	39.5
65	32.4	26.2	39.2
92	18.8	15.9	23.9

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

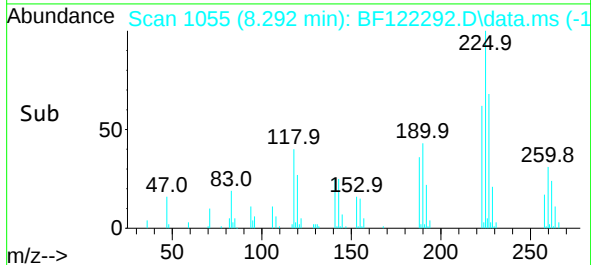
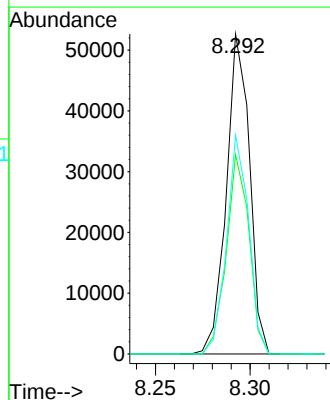
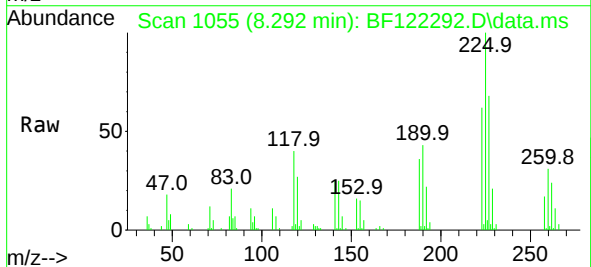
Manual Integrations
APPROVED

mohammad
11/11/2020 10:31:54 AM



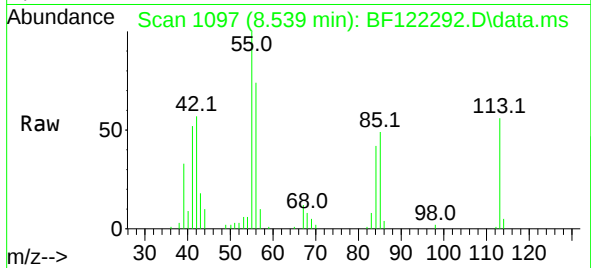
#34
Hexachlorobutadiene
Concen: 4.16 ng
RT: 8.292 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:	225	Resp:	44715
Ion Ratio	Lower	Upper	
225	100		
223	62.3	51.1	76.7
227	68.4	51.0	76.6

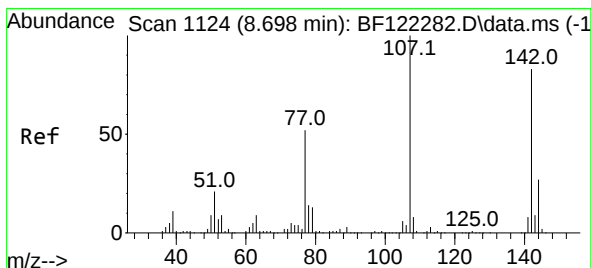
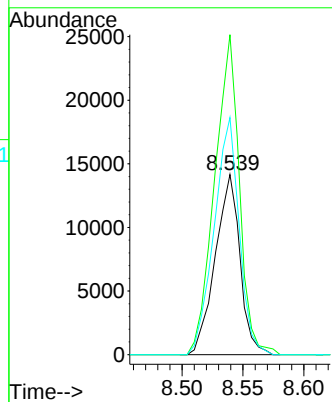
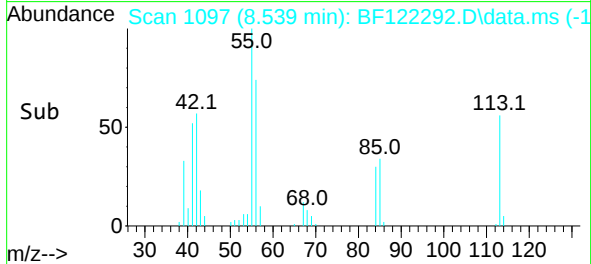




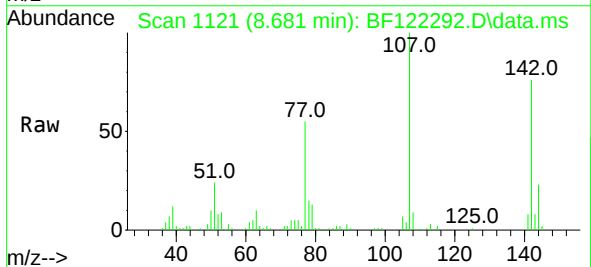
#35
Caprolactam
Concen: 3.73 ng
RT: 8.539 min Scan# 1097
Delta R.T. -0.053 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



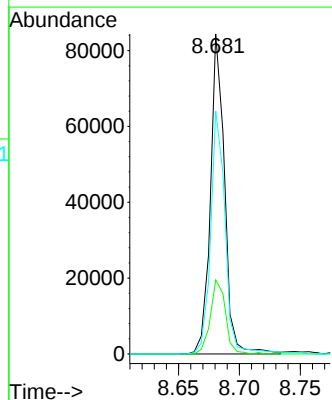
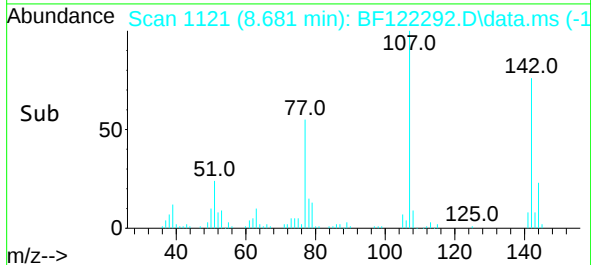
Tgt Ion:113 Resp: 20017
Ion Ratio Lower Upper
113 100
55 177.6 167.5 207.5
56 131.6 121.2 161.2



#36
4-Chloro-3-methylphenol
Concen: 3.86 ng
RT: 8.681 min Scan# 1121
Delta R.T. -0.017 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



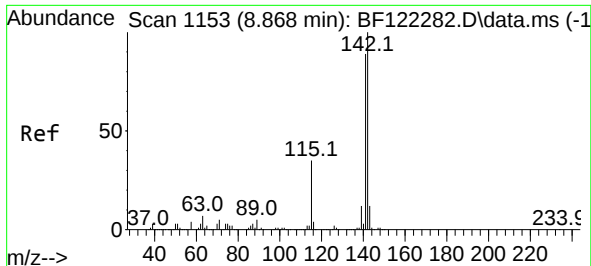
Tgt Ion:107 Resp: 68132
Ion Ratio Lower Upper
107 100
144 23.2 20.1 30.1
142 76.0 59.3 88.9



Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

mohammad
11/11/2020 10:31:54 AM



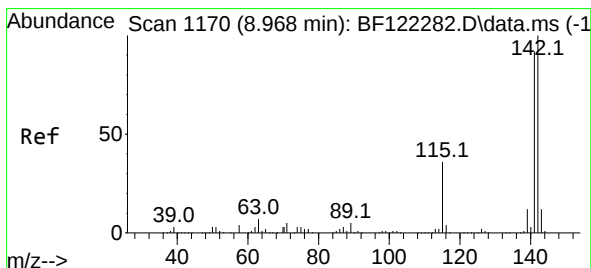
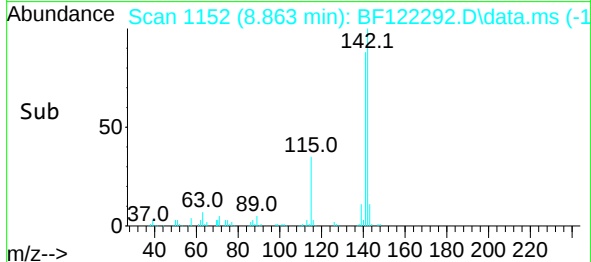
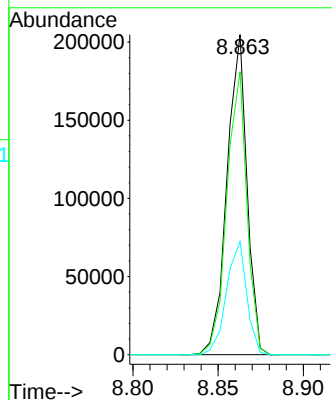
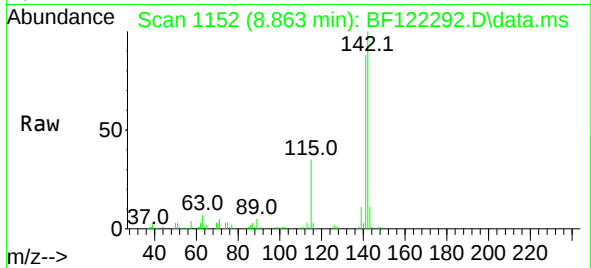
#37
2-Methylnaphthalene
Concen: 4.27 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:142 Resp: 167178
Ion Ratio Lower Upper
142 100
141 88.4 70.2 105.4
115 35.4 28.6 43.0

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

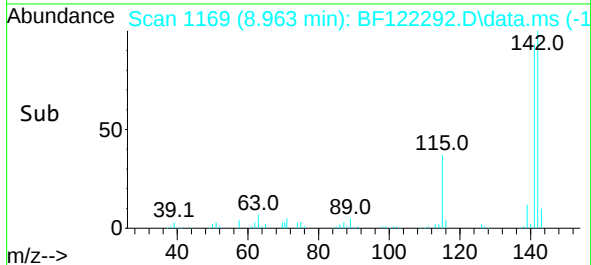
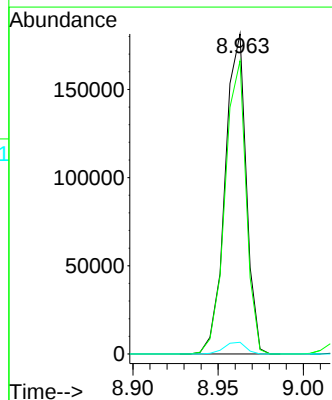
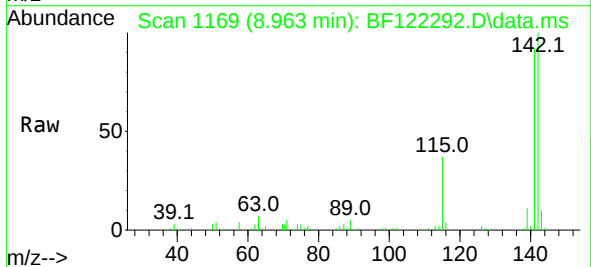
Manual Integrations
APPROVED

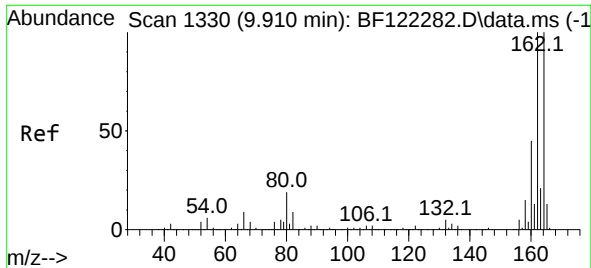
mohammad
11/11/2020 10:31:54 AM



#38
1-Methylnaphthalene
Concen: 4.27 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

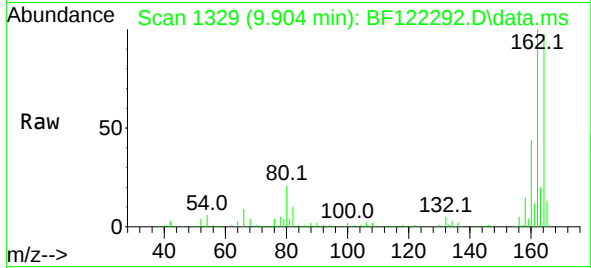
Tgt Ion:142 Resp: 156200
Ion Ratio Lower Upper
142 100
141 91.6 74.5 111.7
116 3.7 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

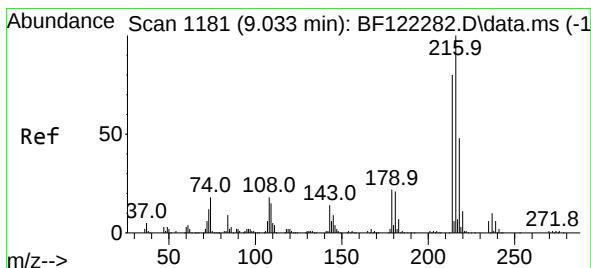
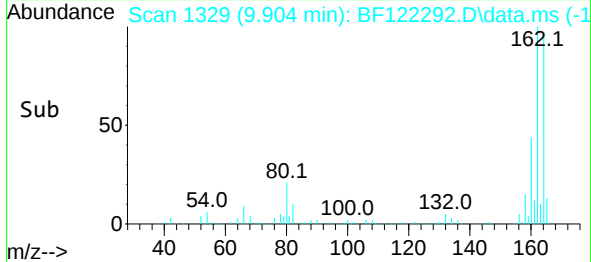
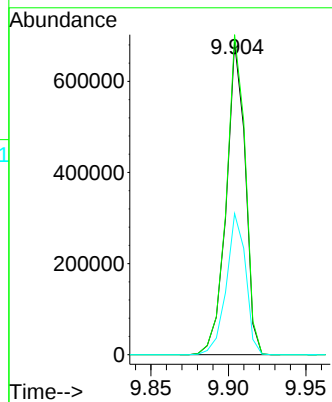
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



Tgt Ion:164 Resp: 583939
Ion Ratio Lower Upper
164 100
162 102.4 83.2 124.8
160 45.2 37.5 56.3

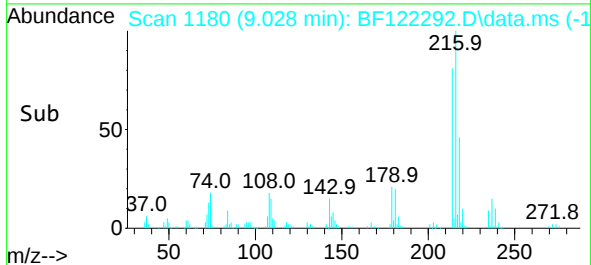
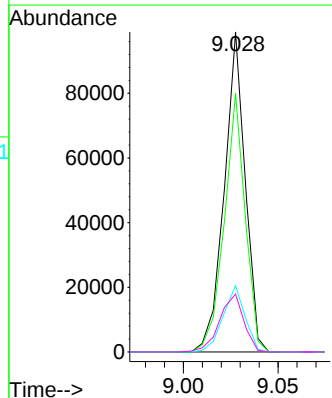
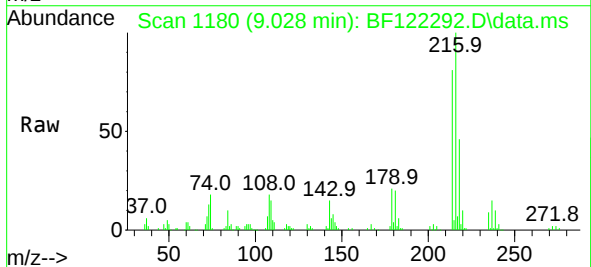
Manual Integrations
APPROVED

mohammad
11/11/2020 10:31:54 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.23 ng
RT: 9.028 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:216 Resp: 76195
Ion Ratio Lower Upper
216 100
214 80.4 63.4 95.2
179 21.7 17.0 25.6
108 21.0 15.5 23.3





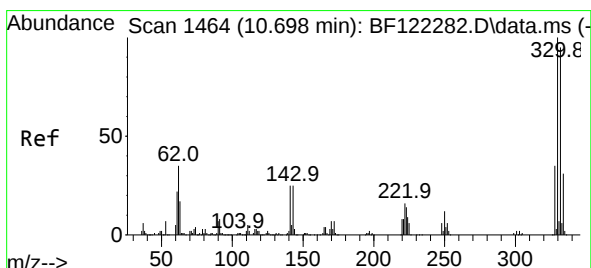
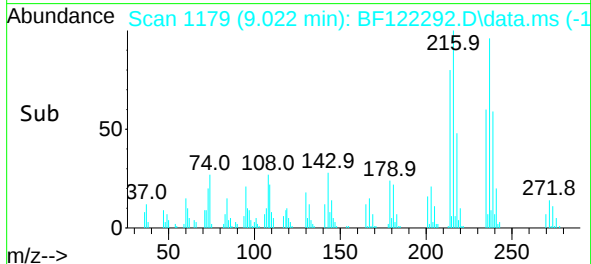
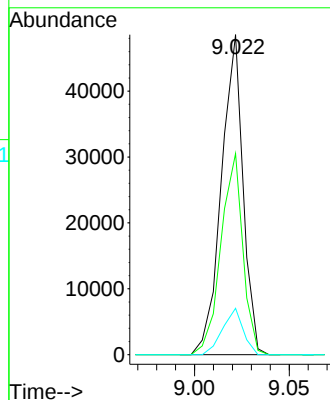
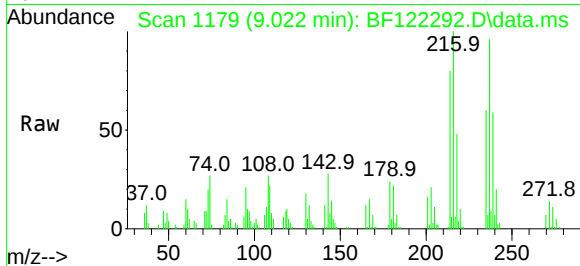
#41
Hexachlorocyclopentadiene
Concen: 3.67 ng
RT: 9.022 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:	237	Resp:	38646
Ion Ratio	Lower	Upper	
237	100		
235	62.8	41.8	81.8
272	14.5	0.0	33.5

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

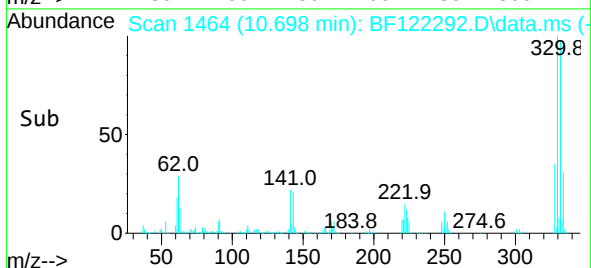
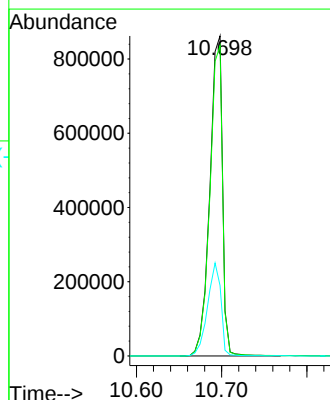
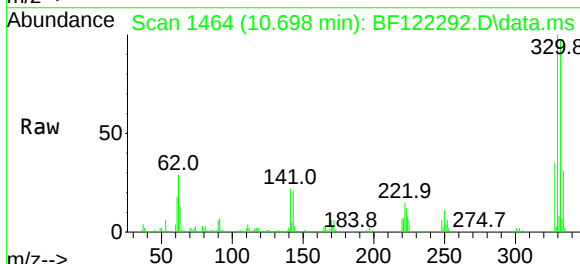
Manual Integrations
APPROVED

mohammad
11/11/2020 10:31:54 AM



#42
2,4,6-Tribromophenol
Concen: 142.64 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:	330	Resp:	893993
Ion Ratio	Lower	Upper	
330	100		
332	96.9	77.3	115.9
141	30.6	22.3	33.5





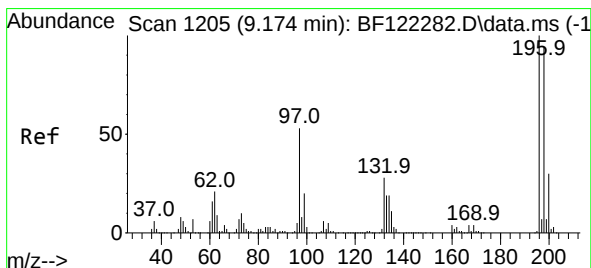
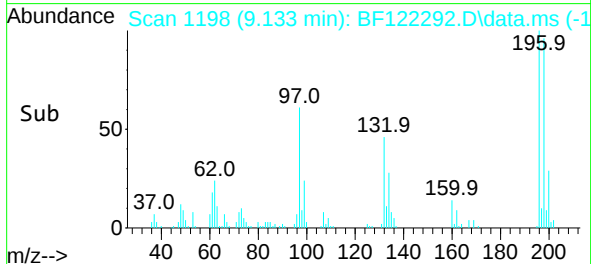
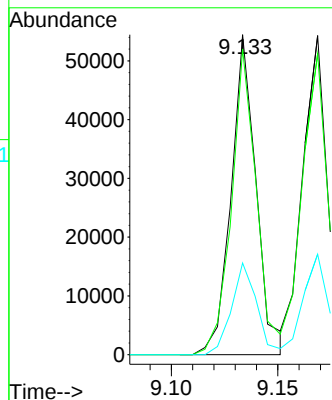
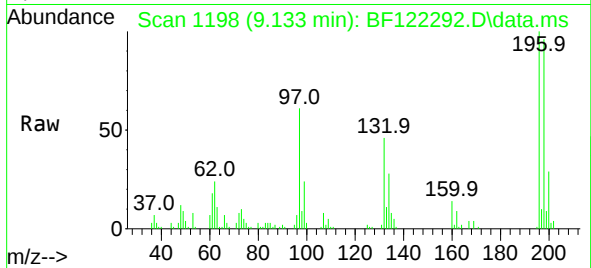
#43
2,4,6-Trichlorophenol
Concen: 3.81 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:196 Resp: 44562
Ion Ratio Lower Upper
196 100
198 95.5 75.8 113.6
200 28.6 24.6 36.8

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

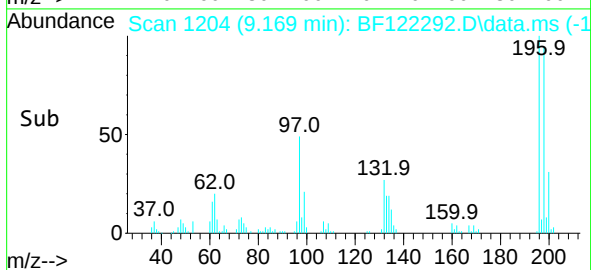
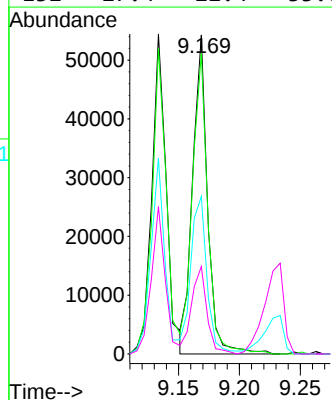
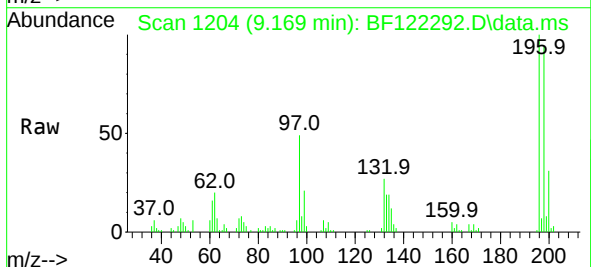
Manual Integrations
APPROVED

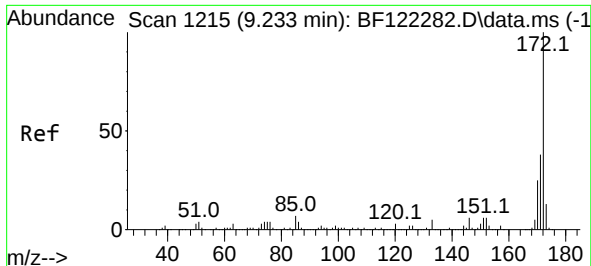
mohammad
11/11/2020 10:31:54 AM



#44
2,4,5-Trichlorophenol
Concen: 3.80 ng
RT: 9.169 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

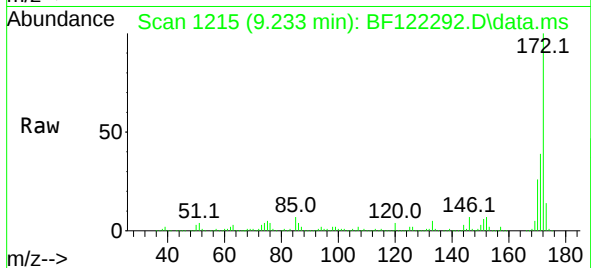
Tgt Ion:196 Resp: 46560
Ion Ratio Lower Upper
196 100
198 94.3 76.1 114.1
97 49.4 41.0 61.6
132 27.4 22.4 33.6





#45
2-Fluorobiphenyl
Concen: 92.13 ng
RT: 9.233 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

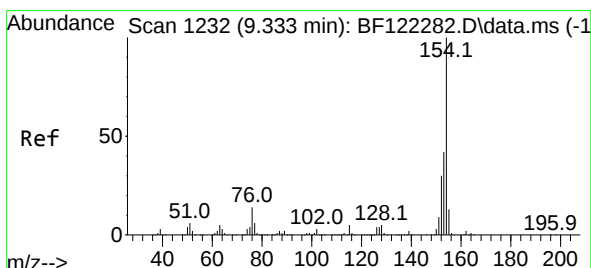
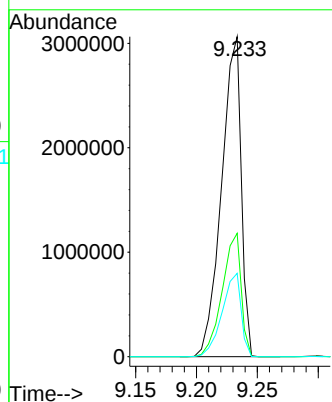
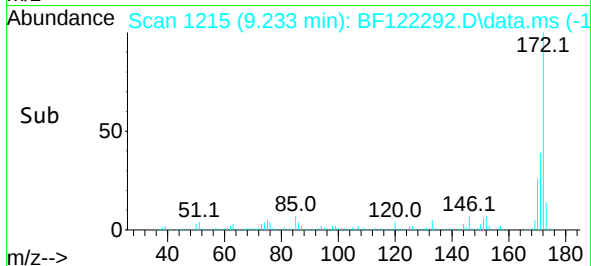
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



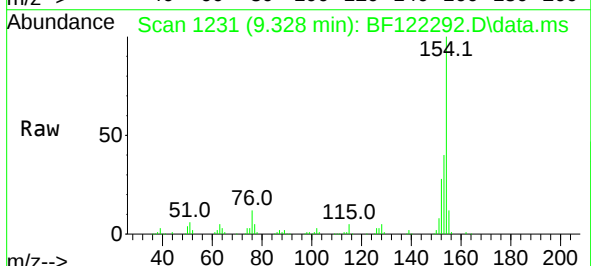
Tgt Ion:172 Resp: 3443368
Ion Ratio Lower Upper
172 100
171 38.5 29.1 43.7
170 26.1 19.8 29.6

Manual Integrations
APPROVED

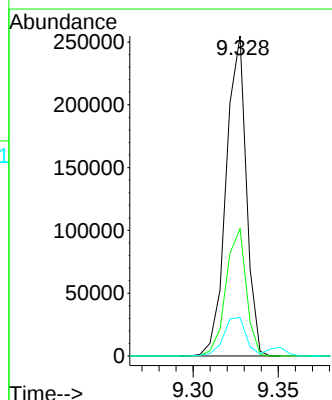
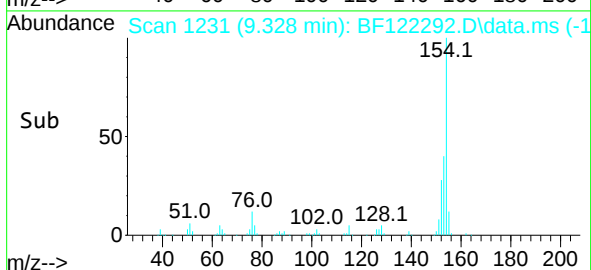
mohammad
11/11/2020 10:31:54 AM

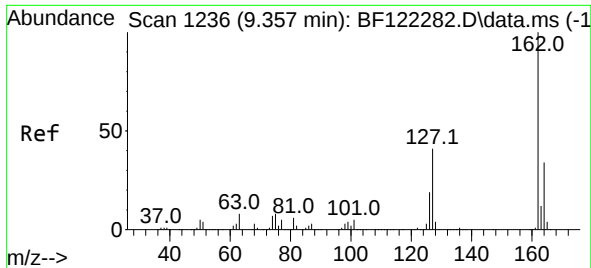


#46
1,1'-Biphenyl
Concen: 4.50 ng
RT: 9.328 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



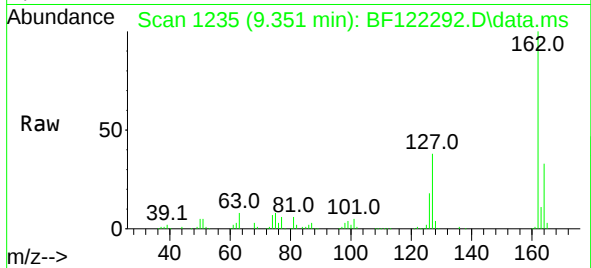
Tgt Ion:154 Resp: 209251
Ion Ratio Lower Upper
154 100
153 39.7 21.3 61.3
76 12.0 0.0 34.7





#47
2-Chloronaphthalene
Concen: 4.38 ng
RT: 9.351 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

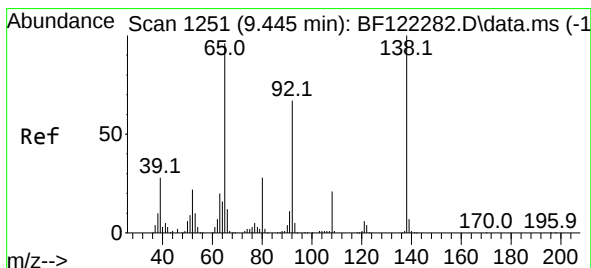
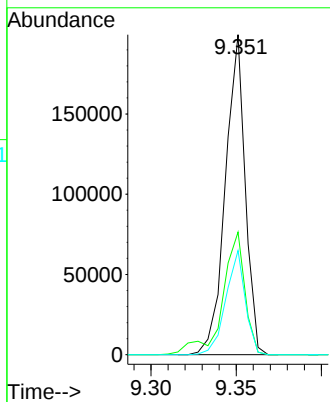
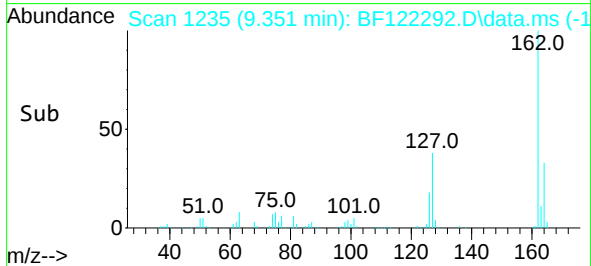
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



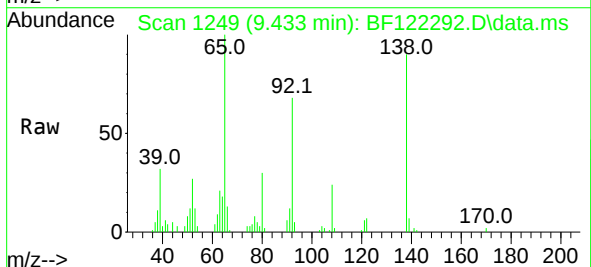
Tgt Ion:162 Resp: 161595
Ion Ratio Lower Upper
162 100
127 38.3 34.4 51.6
164 32.5 26.3 39.5

Manual Integrations
APPROVED

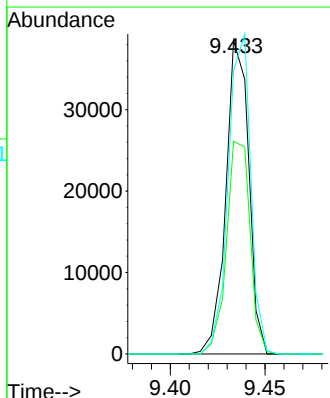
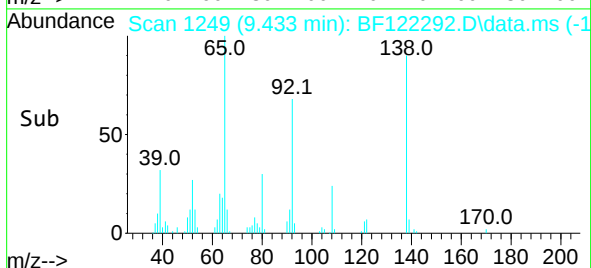
mohammad
11/11/2020 10:31:54 AM

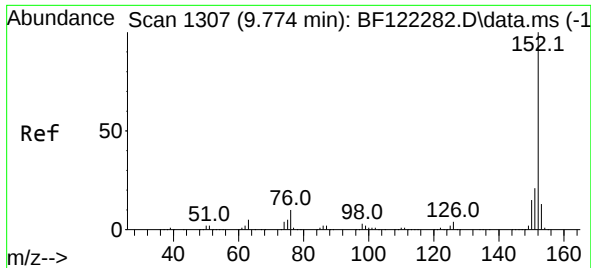


#48
2-Nitroaniline
Concen: 3.57 ng
RT: 9.433 min Scan# 1249
Delta R.T. -0.012 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

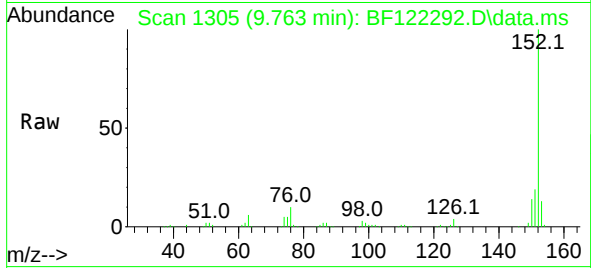


Tgt Ion: 65 Resp: 32361
Ion Ratio Lower Upper
65 100
92 67.8 55.1 82.7
138 90.3 80.5 120.7

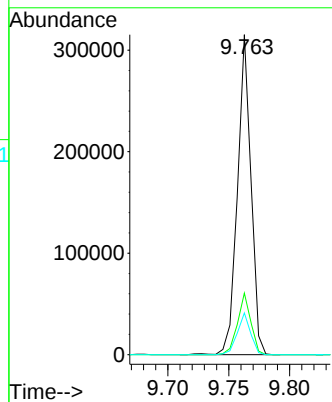
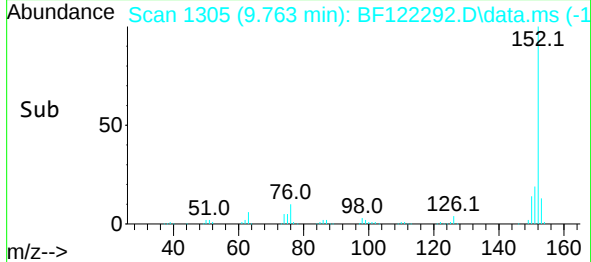




#49
Acenaphthylene
Concen: 4.28 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.011 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



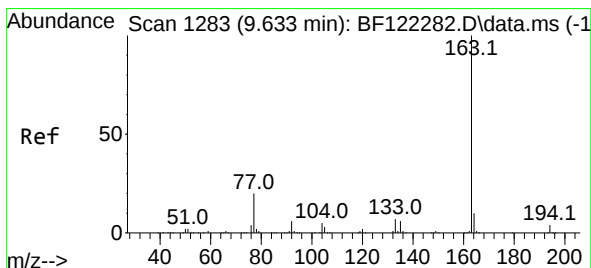
Tgt Ion:152 Resp: 242594
Ion Ratio Lower Upper
152 100
151 19.3 16.4 24.6
153 13.0 10.6 15.8



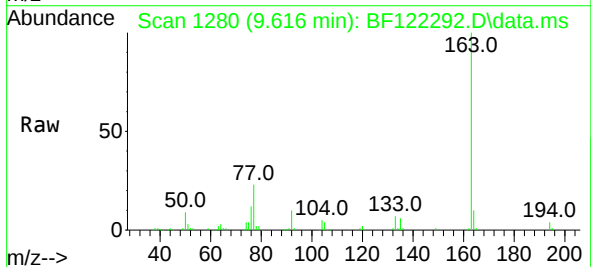
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

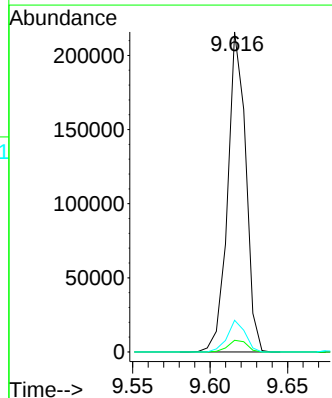
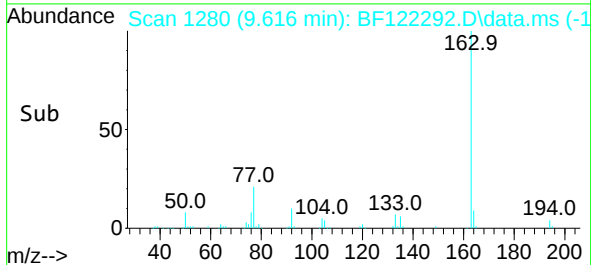
mohammad
11/11/2020 10:31:54 AM

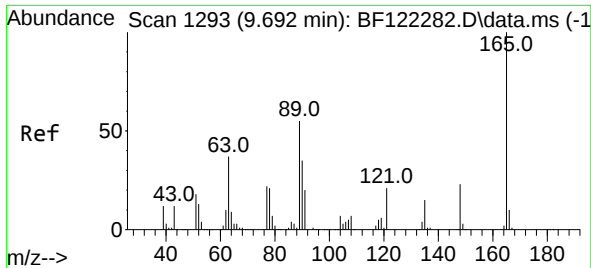


#50
Dimethylphthalate
Concen: 4.22 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.017 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

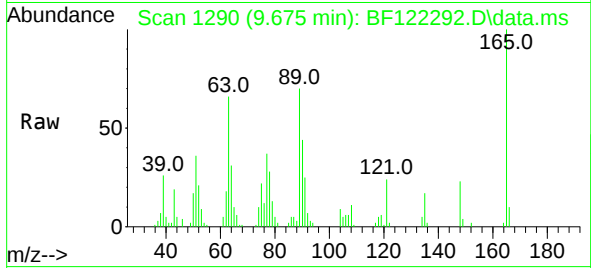


Tgt Ion:163 Resp: 175083
Ion Ratio Lower Upper
163 100
194 3.6 3.3 4.9
164 9.9 8.2 12.4

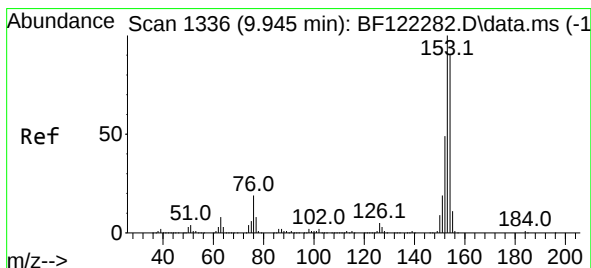
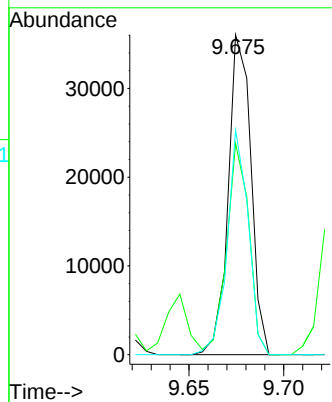
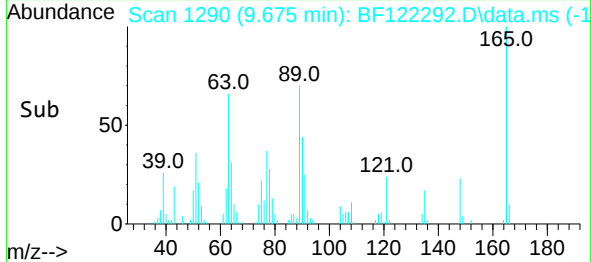




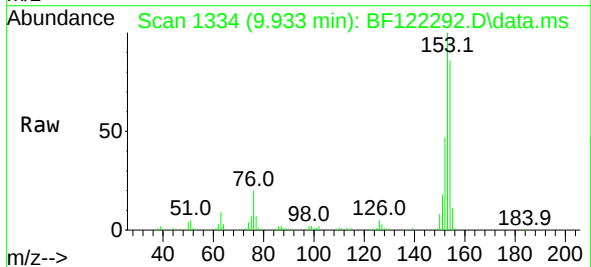
#51
2,6-Dinitrotoluene
Concen: 3.73 ng
RT: 9.675 min Scan# 1290
Delta R.T. -0.017 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



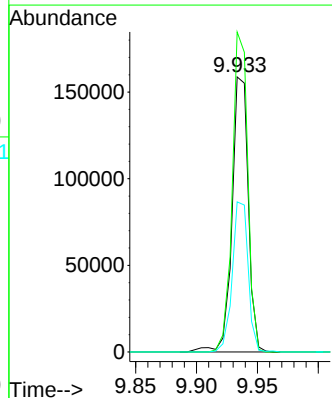
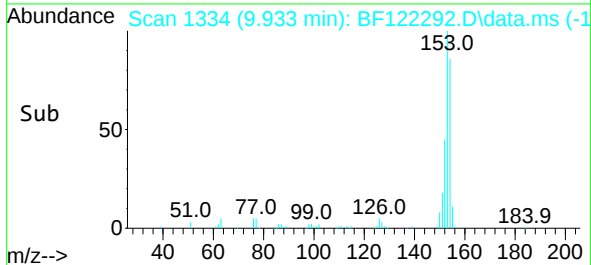
Tgt Ion:165 Resp: 29958
Ion Ratio Lower Upper
165 100
63 66.0 51.8 77.6
89 70.2 49.0 73.6



#52
Acenaphthene
Concen: 4.19 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.011 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



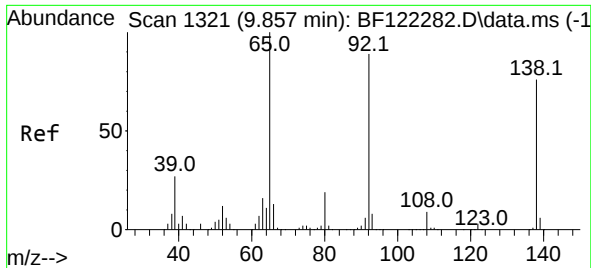
Tgt Ion:154 Resp: 147150
Ion Ratio Lower Upper
154 100
153 116.3 89.8 134.8
152 54.6 43.2 64.8



Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

mohammad
11/11/2020 10:31:54 AM



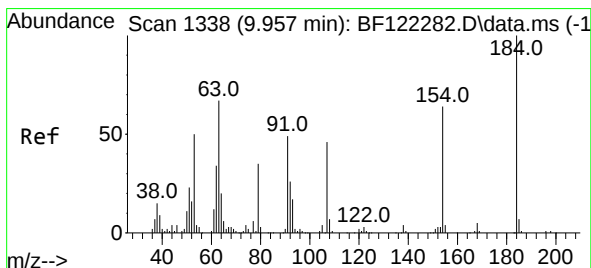
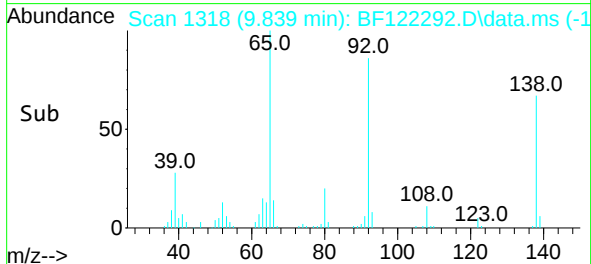
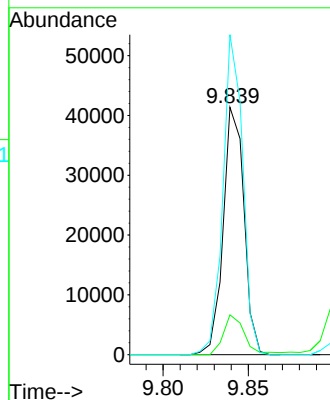
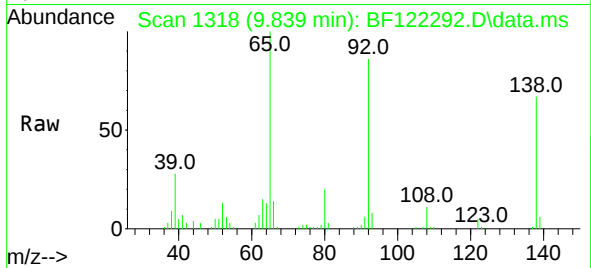
#53
3-Nitroaniline
Concen: 3.78 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.018 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:138 Resp: 35033
Ion Ratio Lower Upper
138 100
108 16.1 8.6 13.0#
92 129.4 96.6 144.8

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

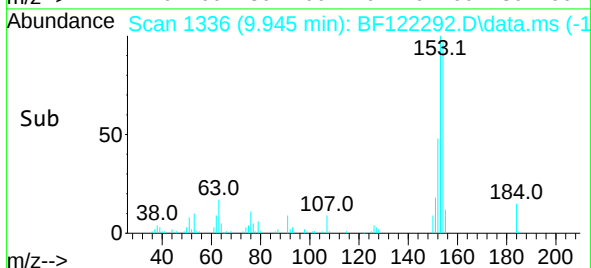
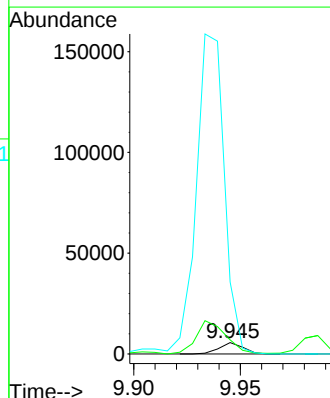
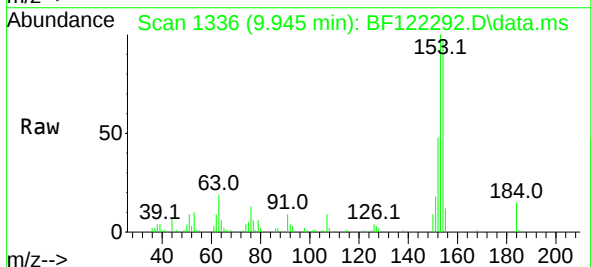
Manual Integrations
APPROVED

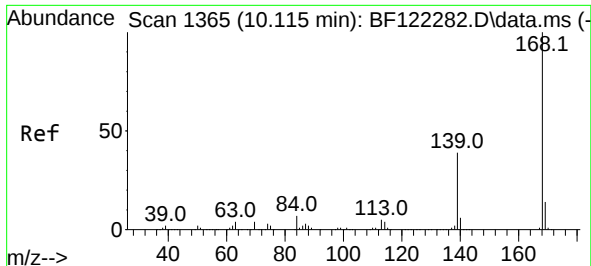
mohammad
11/11/2020 10:31:54 AM



#54
2,4-Dinitrophenol
Concen: 1.77 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:184 Resp: 4348
Ion Ratio Lower Upper
184 100
63 124.9 45.9 68.9#
154 636.9 45.8 68.6#





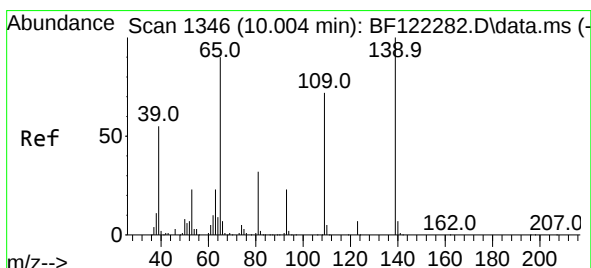
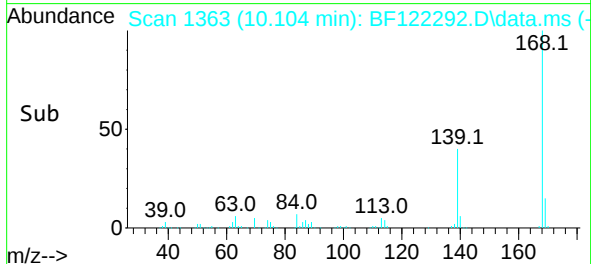
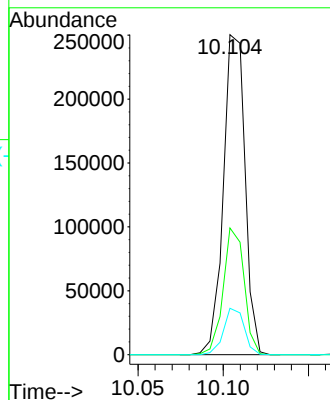
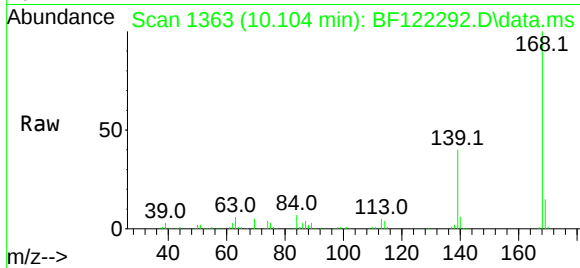
#55
Dibenzofuran
Concen: 4.32 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.011 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:168 Resp: 222082
Ion Ratio Lower Upper
168 100
139 39.6 31.0 46.6
169 14.5 11.3 16.9

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

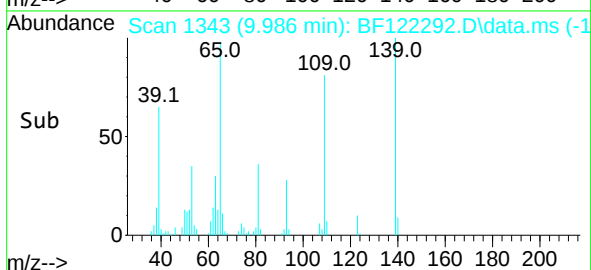
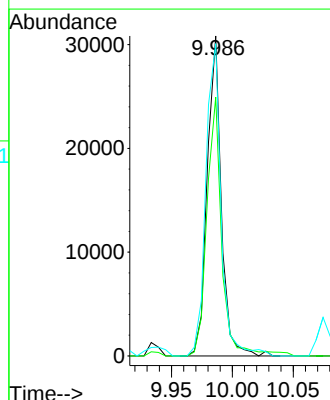
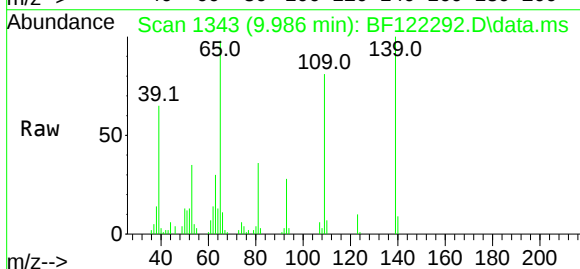
Manual Integrations
APPROVED

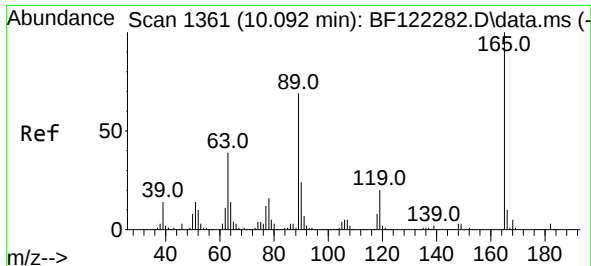
mohammad
11/11/2020 10:31:54 AM



#56
4-Nitrophenol
Concen: 3.13 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.018 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:139 Resp: 24767
Ion Ratio Lower Upper
139 100
109 80.9 45.4 85.4
65 97.6 68.4 108.4





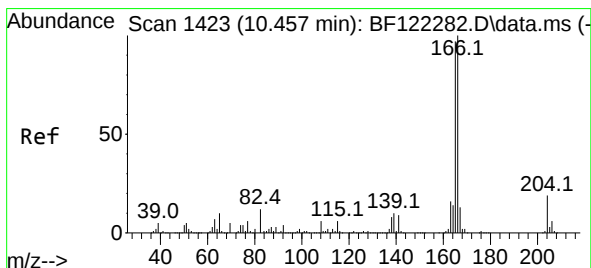
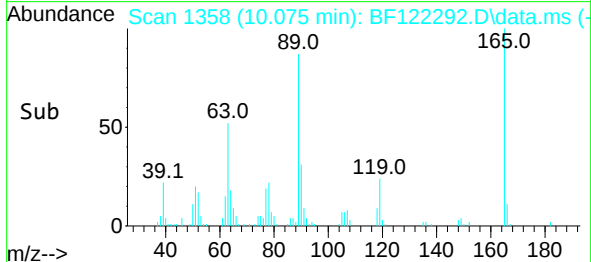
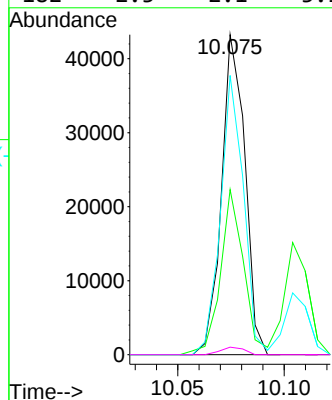
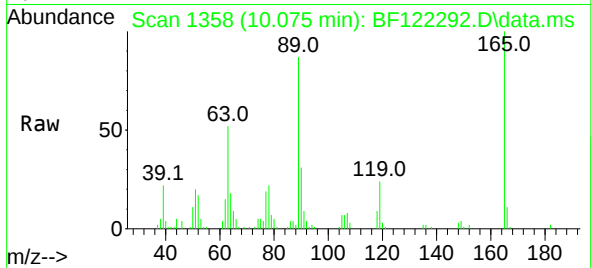
#57
2,4-Dinitrotoluene
Concen: 3.40 ng
RT: 10.075 min Scan# 1358
Delta R.T. -0.017 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:	165	Resp:	32991
Ion Ratio	Lower	Upper	
165	100		
63	51.6	41.3	61.9
89	87.3	61.8	92.8
182	2.3	2.1	3.1

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

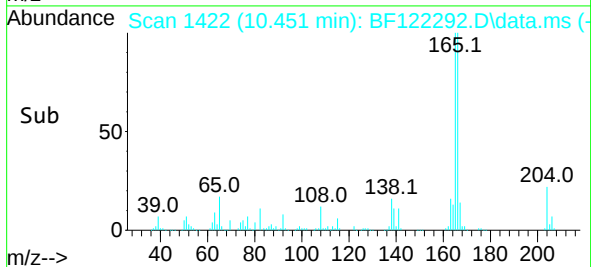
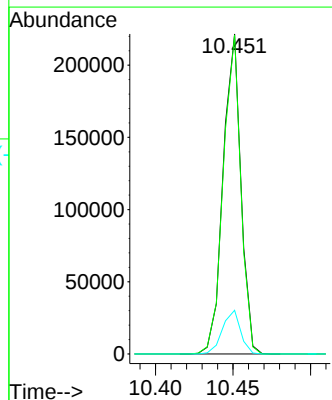
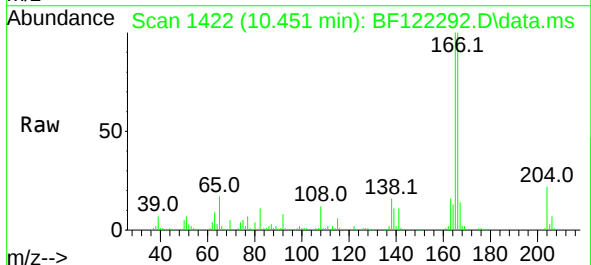
Manual Integrations
APPROVED

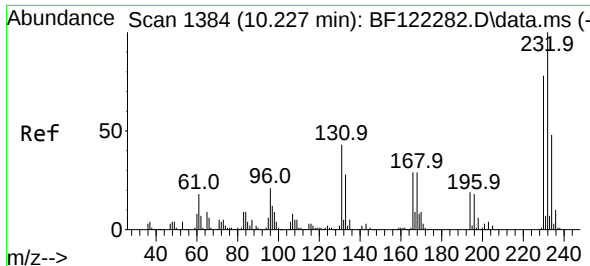
mohammad
11/11/2020 10:31:54 AM



#58
Fluorene
Concen: 4.49 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:	166	Resp:	176645
Ion Ratio	Lower	Upper	
166	100		
165	99.7	79.1	118.7
167	13.6	11.0	16.6





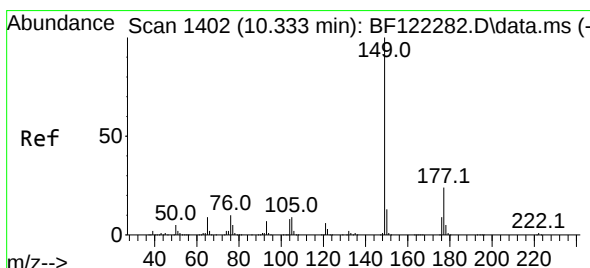
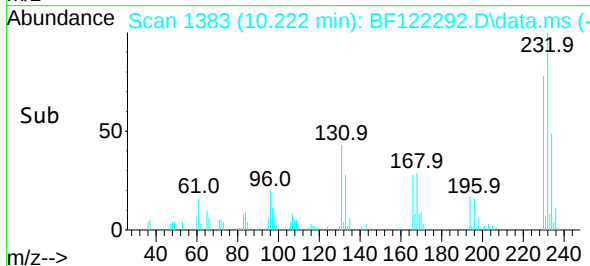
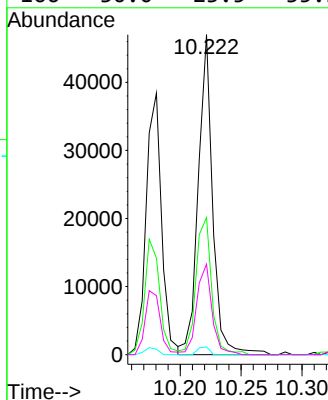
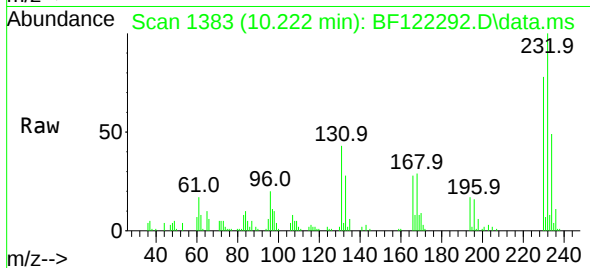
#59
2,3,4,6-Tetrachlorophenol
Concen: 3.80 ng
RT: 10.222 min Scan# 1383
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:232 Resp: 38734
Ion Ratio Lower Upper
232 100
131 46.9 35.9 53.9
130 1.9 1.8 2.6
166 30.0 23.5 35.3

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

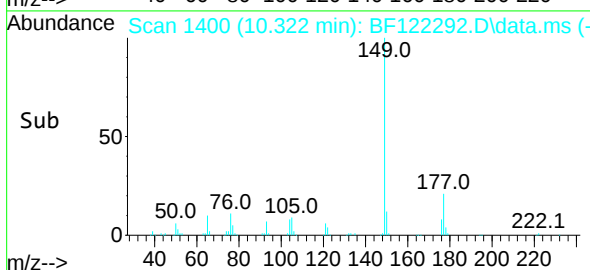
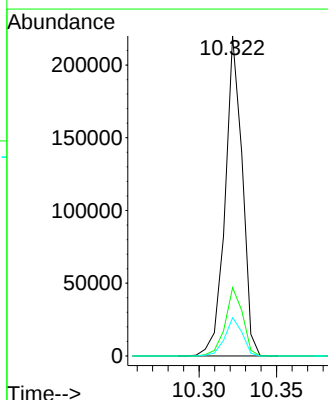
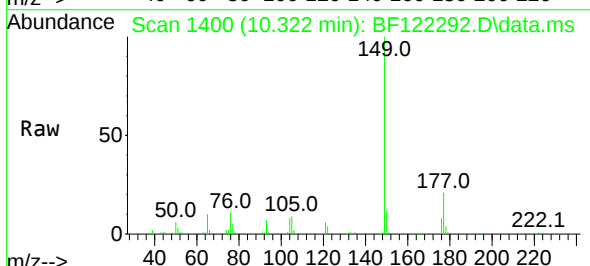
Manual Integrations
APPROVED

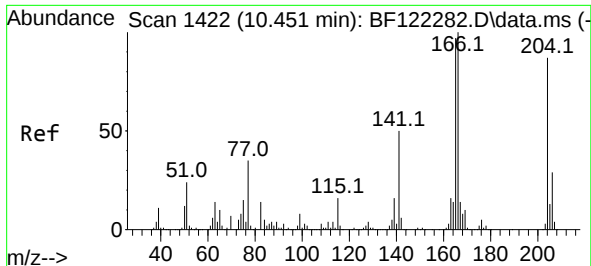
mohammad
11/11/2020 10:31:54 AM



#60
Diethylphthalate
Concen: 4.15 ng
RT: 10.322 min Scan# 1400
Delta R.T. -0.011 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

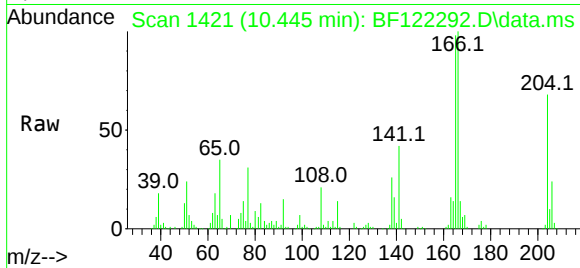
Tgt Ion:149 Resp: 168819
Ion Ratio Lower Upper
149 100
177 21.4 18.1 27.1
150 11.9 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 4.40 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

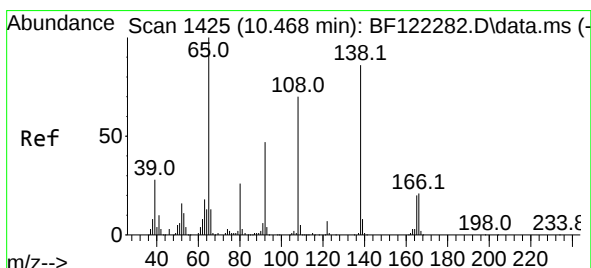
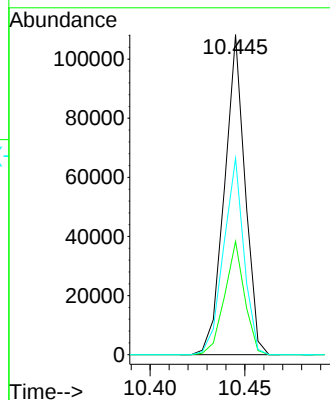
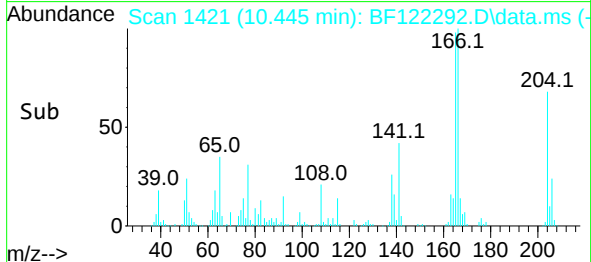
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



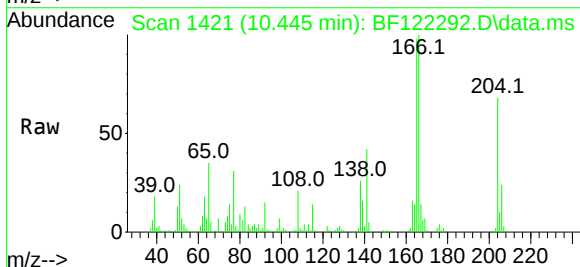
Tgt Ion:204 Resp: 81854
Ion Ratio Lower Upper
204 100
206 35.4 26.0 39.0
141 61.4 46.2 69.4

Manual Integrations
APPROVED

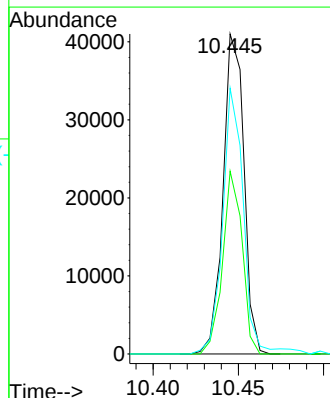
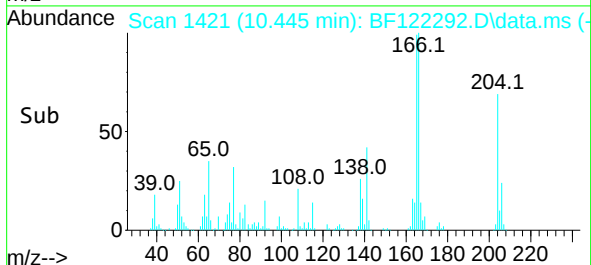
mohammad
11/11/2020 10:31:54 AM



#62
4-Nitroaniline
Concen: 3.83 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.023 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

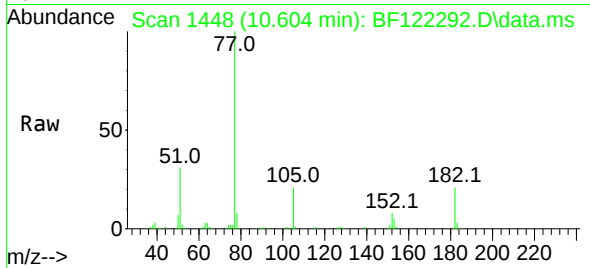


Tgt Ion:138 Resp: 34941
Ion Ratio Lower Upper
138 100
92 57.1 31.0 71.0
108 83.0 51.5 91.5

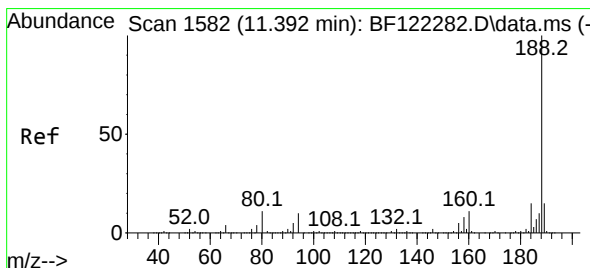
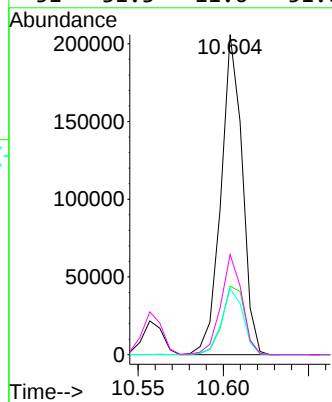
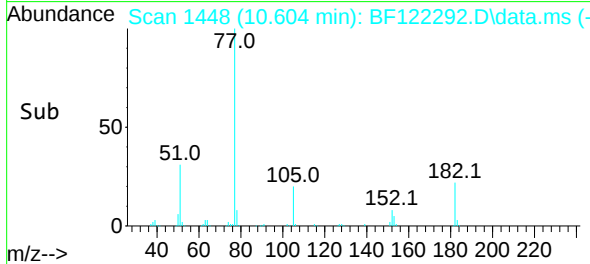




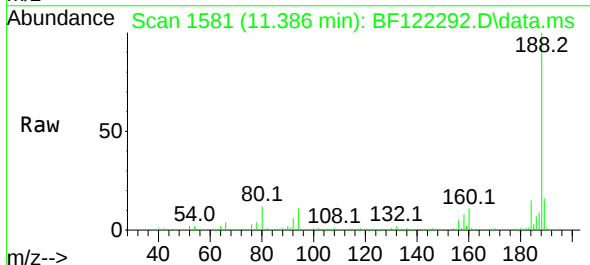
#63
Azobenzene
Concen: 4.20 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



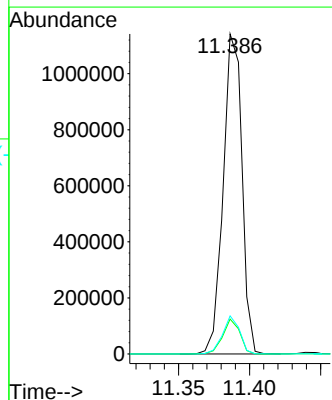
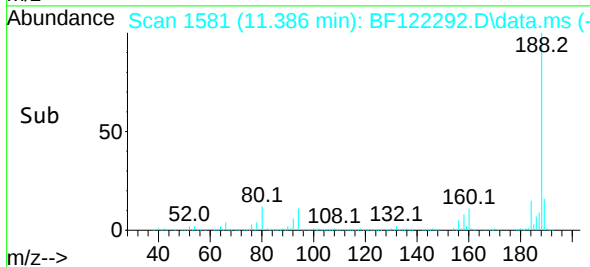
Tgt Ion: 77 Resp: 179349
Ion Ratio Lower Upper
77 100
182 21.4 3.4 43.4
105 20.5 1.7 41.7
51 31.3 11.6 51.6



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



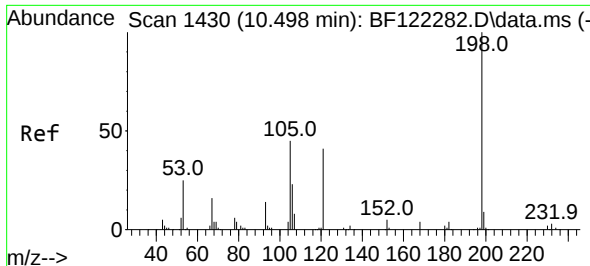
Tgt Ion: 188 Resp: 1048328
Ion Ratio Lower Upper
188 100
94 10.9 8.3 12.5
80 11.9 9.1 13.7



Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

mohammad
11/11/2020 10:31:54 AM



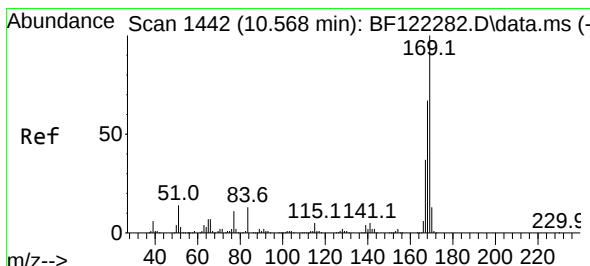
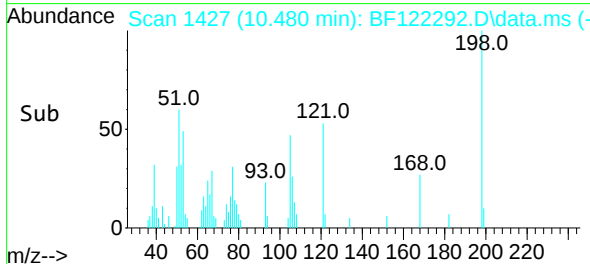
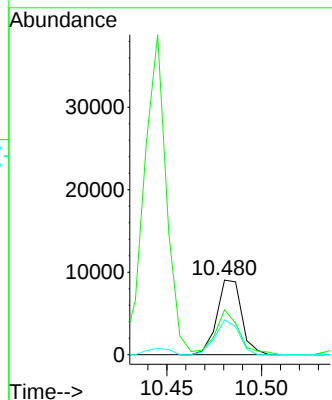
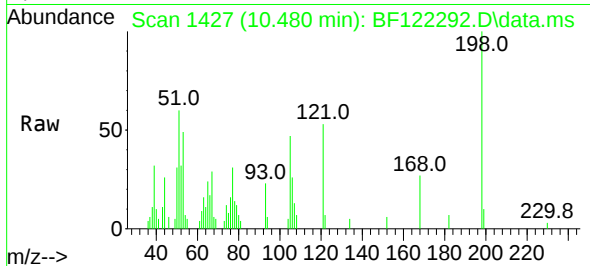
#65
4,6-Dinitro-2-methylphenol
Concen: 2.06 ng
RT: 10.480 min Scan# 1427
Delta R.T. -0.018 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:198 Resp: 8216
Ion Ratio Lower Upper
198 100
51 60.0 29.6 69.6
105 46.8 24.4 64.4

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

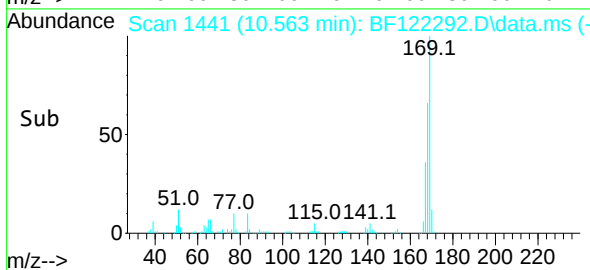
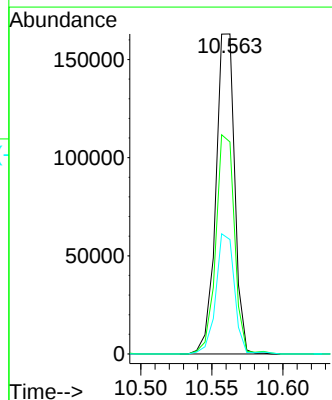
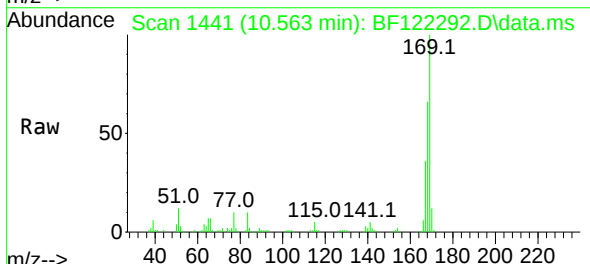
Manual Integrations
APPROVED

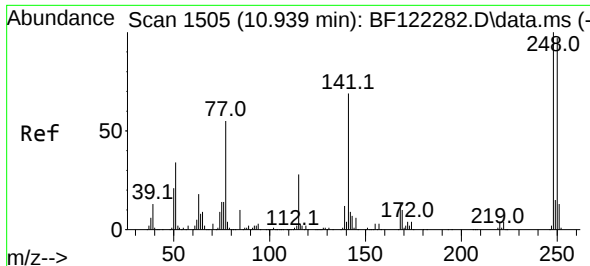
mohammad
11/11/2020 10:31:54 AM



#66
n-Nitrosodiphenylamine
Concen: 4.20 ng
RT: 10.563 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

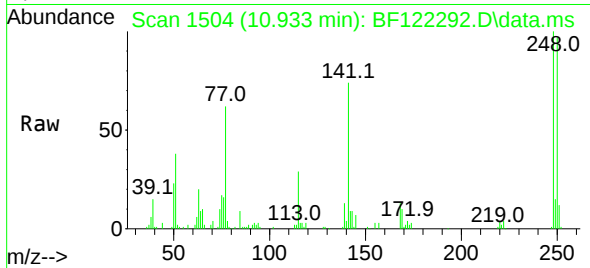
Tgt Ion:169 Resp: 149951
Ion Ratio Lower Upper
169 100
168 66.2 50.0 75.0
167 35.7 27.8 41.6





#67
4-Bromophenyl-phenylether
Concen: 4.04 ng
RT: 10.933 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

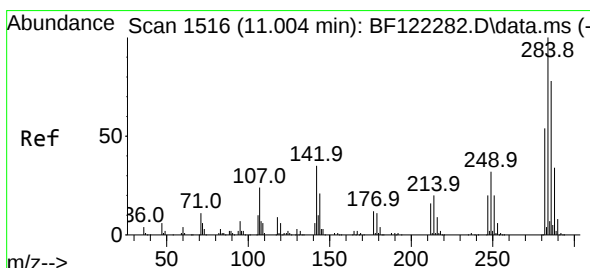
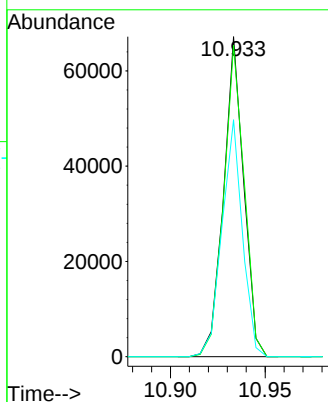
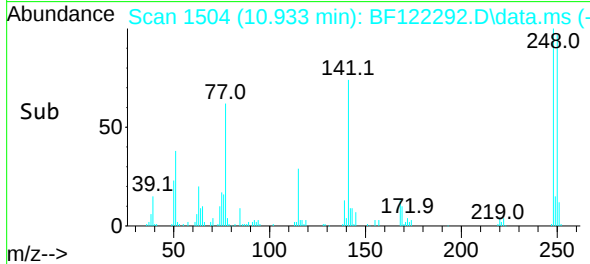
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



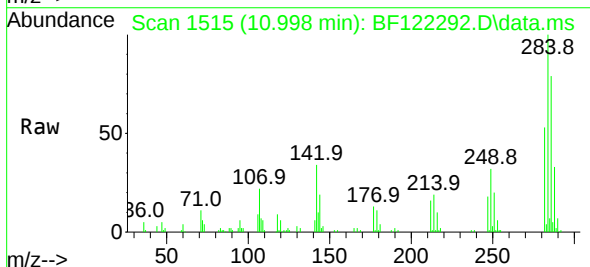
Tgt Ion:248 Resp: 49800
Ion Ratio Lower Upper
248 100
250 97.4 77.0 115.6
141 74.1 53.7 80.5

Manual Integrations
APPROVED

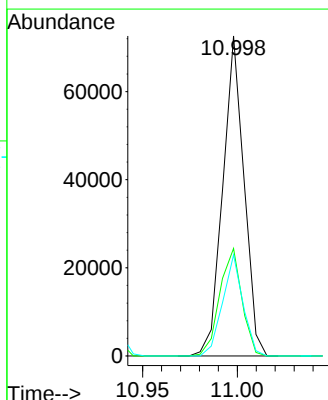
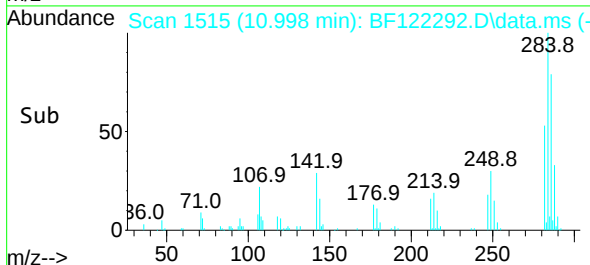
mohammad
11/11/2020 10:31:54 AM

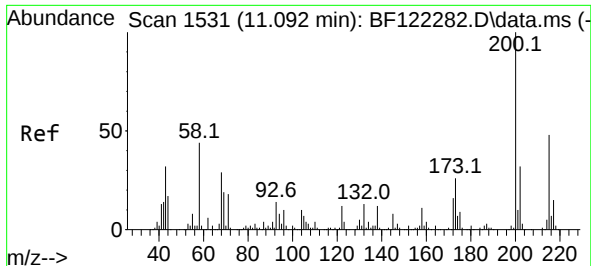


#68
Hexachlorobenzene
Concen: 4.24 ng
RT: 10.998 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



Tgt Ion:284 Resp: 56487
Ion Ratio Lower Upper
284 100
142 33.6 27.4 41.2
249 31.6 24.2 36.4





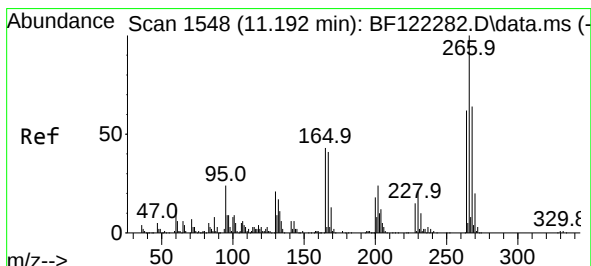
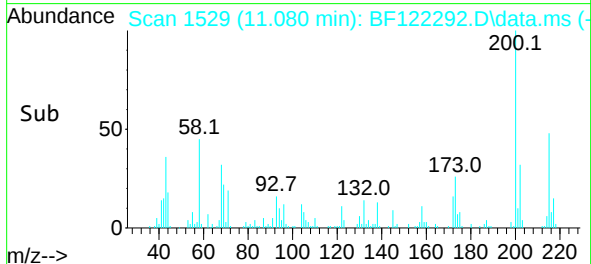
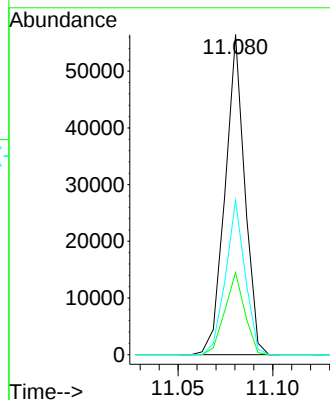
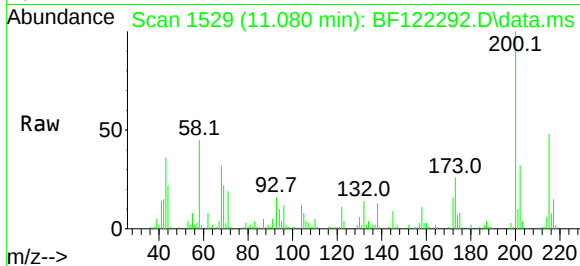
#69
Atrazine
Concen: 4.57 ng
RT: 11.080 min Scan# 1529
Delta R.T. -0.011 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:200 Resp: 40661
Ion Ratio Lower Upper
200 100
173 25.7 7.5 47.5
215 48.2 27.1 67.1

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

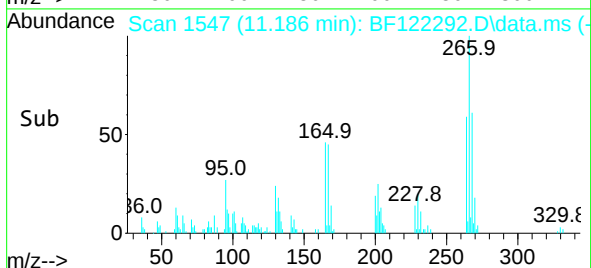
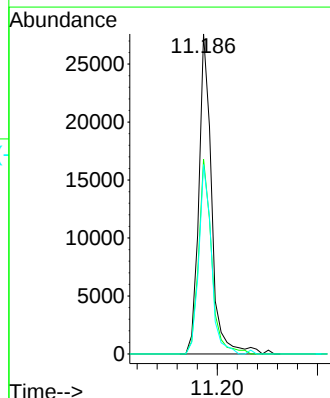
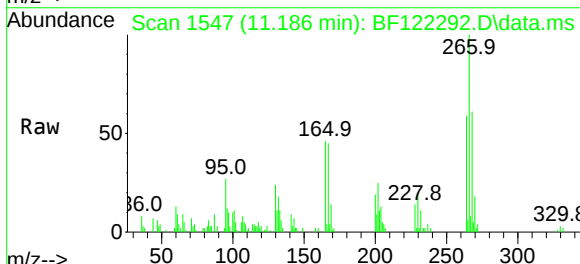
Manual Integrations
APPROVED

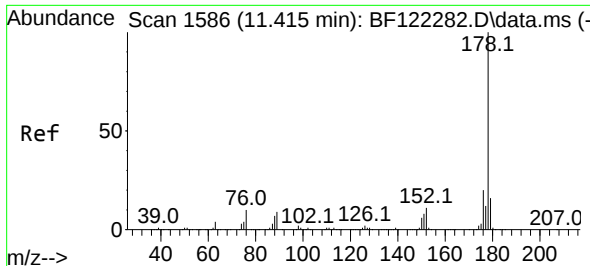
mohammad
11/11/2020 10:31:54 AM



#70
Pentachlorophenol
Concen: 3.19 ng
RT: 11.186 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

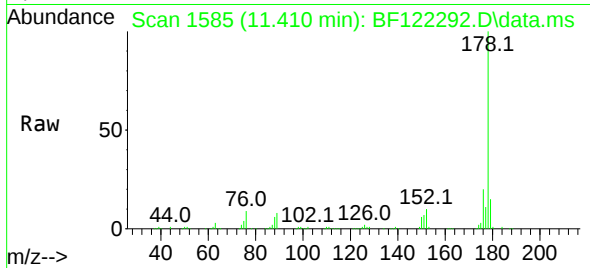
Tgt Ion:266 Resp: 24464
Ion Ratio Lower Upper
266 100
268 60.9 52.4 78.6
264 59.1 49.9 74.9





#71
Phenanthrene
Concen: 4.48 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

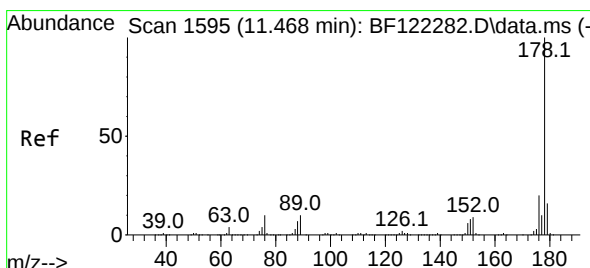
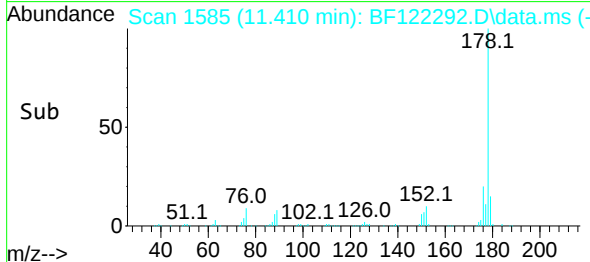
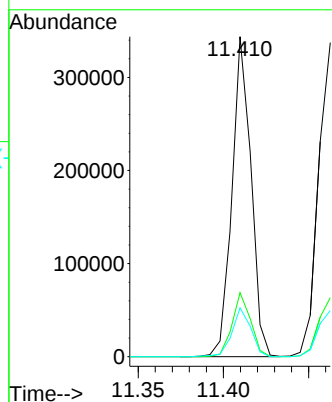
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



Tgt Ion:178 Resp: 266258
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 15.2 12.2 18.4

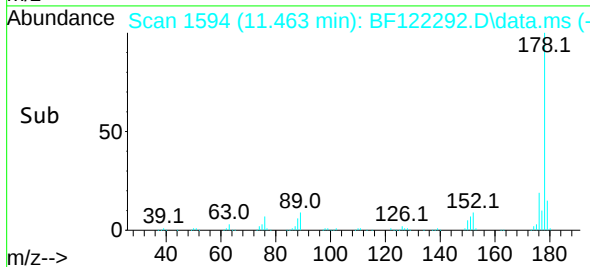
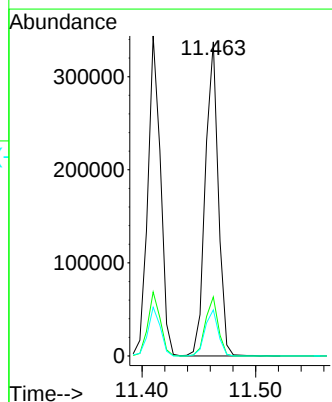
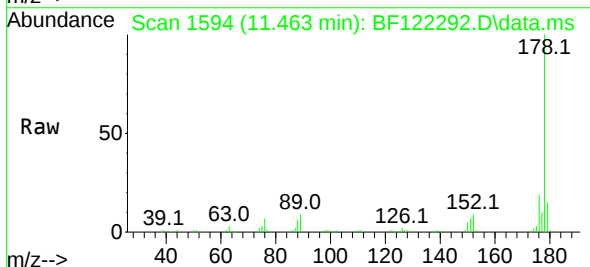
Manual Integrations
APPROVED

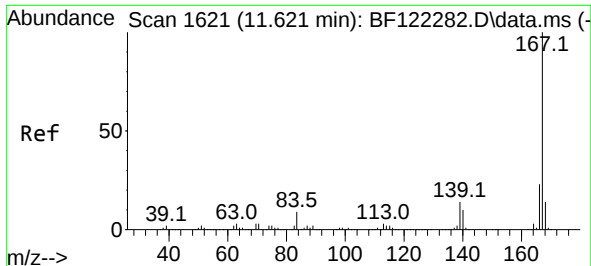
mohammad
11/11/2020 10:31:54 AM



#72
Anthracene
Concen: 4.36 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

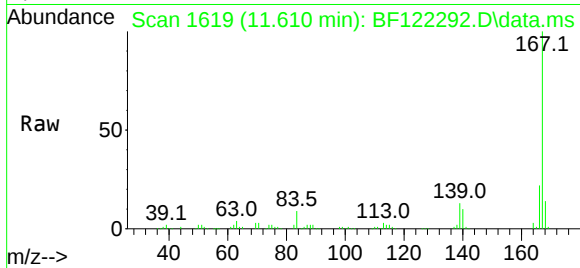
Tgt Ion:178 Resp: 267232
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 14.7 12.7 19.1





#73
Carbazole
Concen: 4.24 ng
RT: 11.610 min Scan# 1619
Delta R.T. -0.011 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

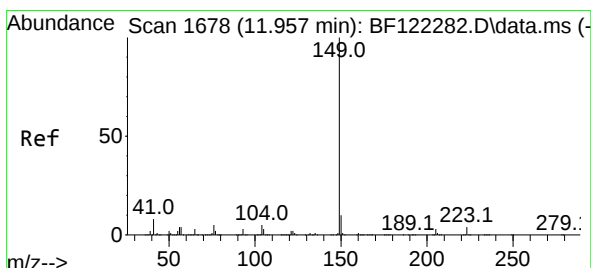
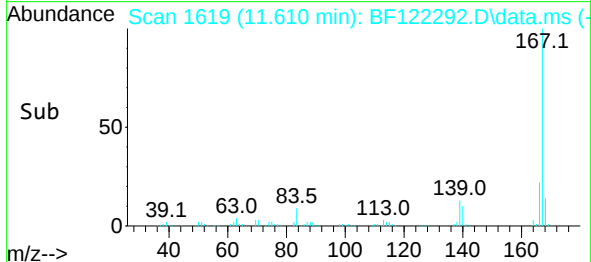
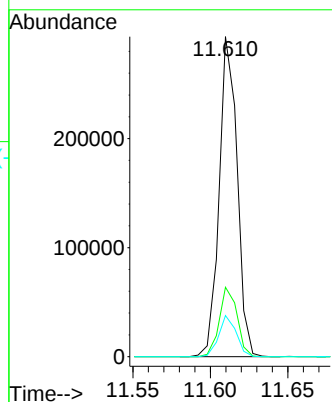
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



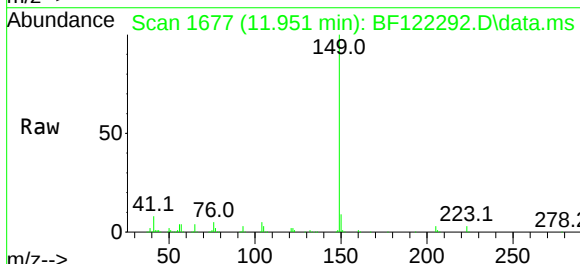
Tgt Ion:167 Resp: 236593
Ion Ratio Lower Upper
167 100
166 21.7 17.8 26.6
139 12.8 10.8 16.2

Manual Integrations
APPROVED

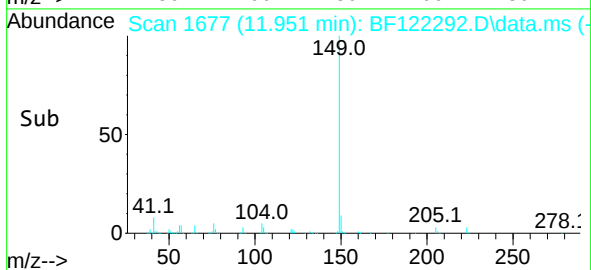
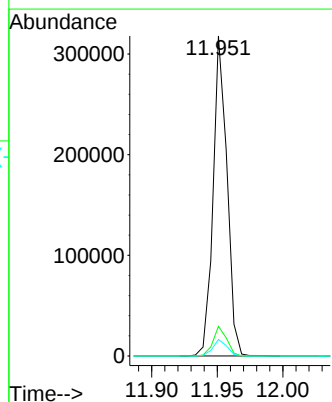
mohammad
11/11/2020 10:31:54 AM

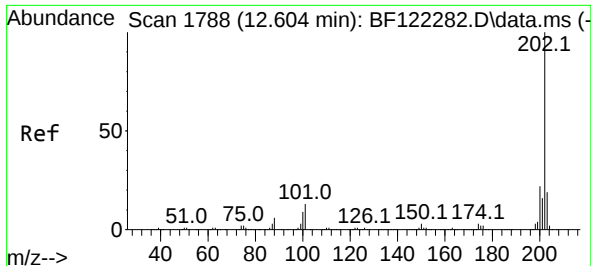


#74
Di-n-butylphthalate
Concen: 3.94 ng
RT: 11.951 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



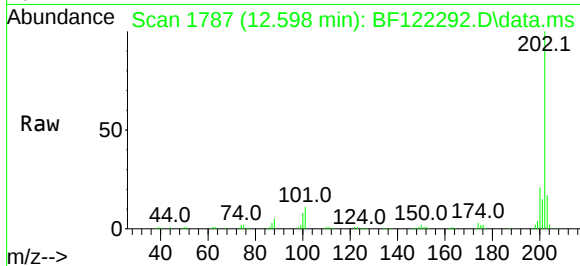
Tgt Ion:149 Resp: 233946
Ion Ratio Lower Upper
149 100
150 9.2 7.7 11.5
104 5.2 4.2 6.2





#75
Fluoranthene
Concen: 4.21 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

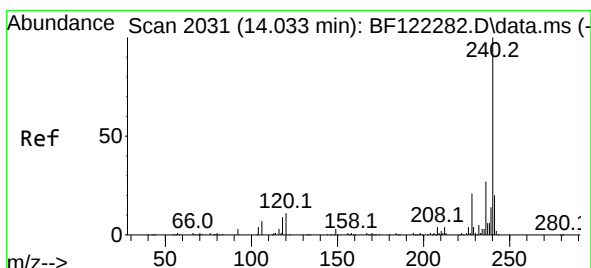
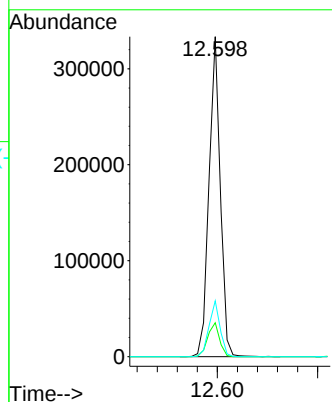
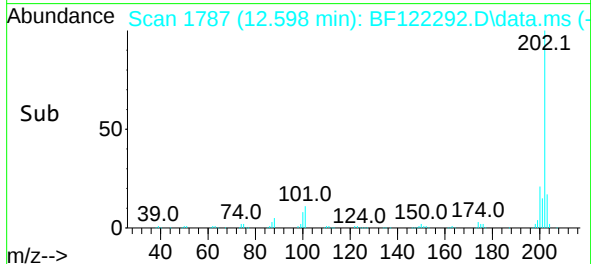
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



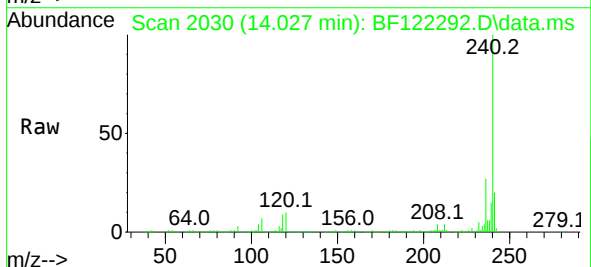
Tgt Ion:202 Resp: 261425
Ion Ratio Lower Upper
202 100
101 10.6 0.0 33.4
203 17.4 0.0 37.9

Manual Integrations
APPROVED

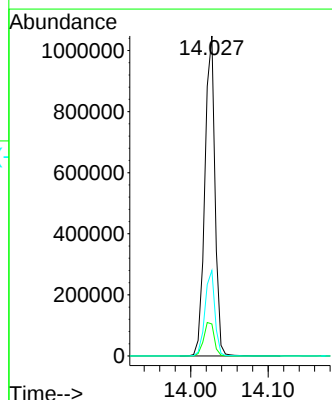
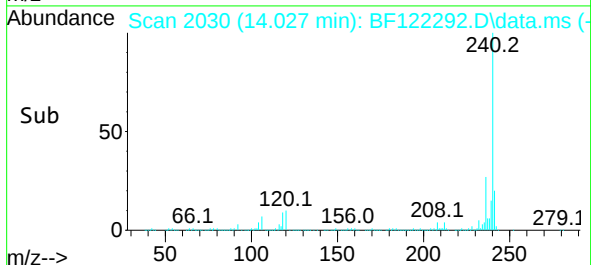
mohammad
11/11/2020 10:31:54 AM

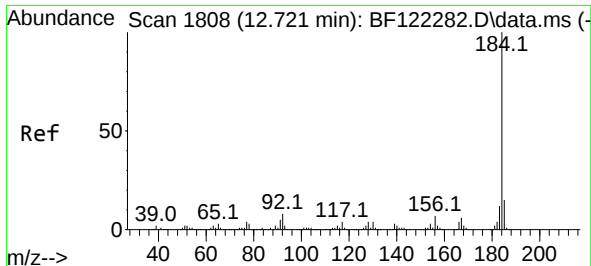


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

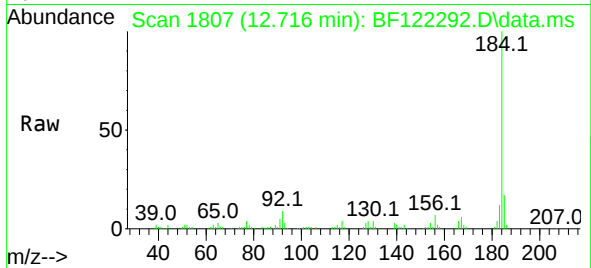


Tgt Ion:240 Resp: 950336
Ion Ratio Lower Upper
240 100
120 10.0 9.2 13.8
236 26.7 20.9 31.3

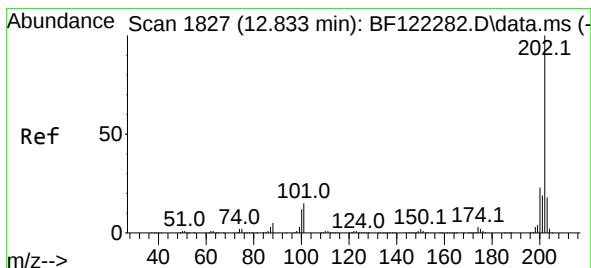
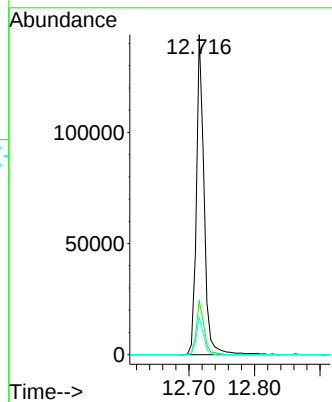
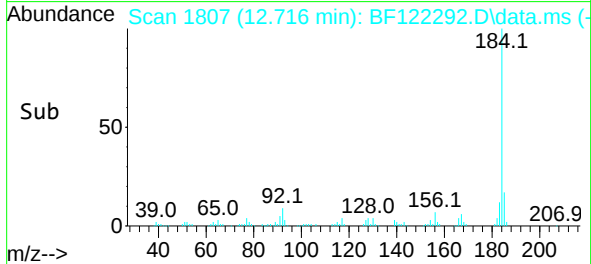




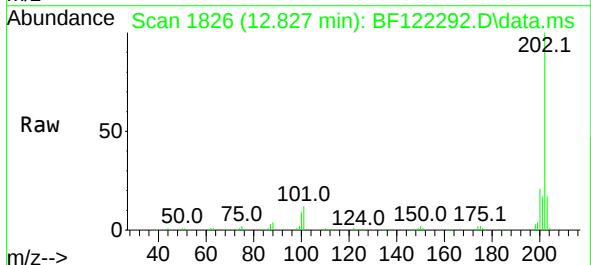
#77
Benzidine
Concen: 4.45 ng
RT: 12.716 min Scan# 1807
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



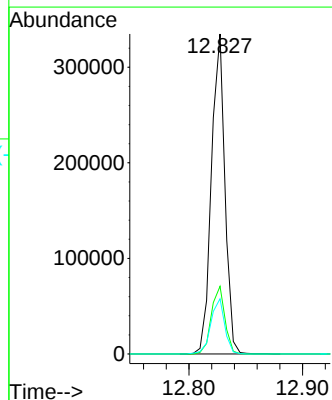
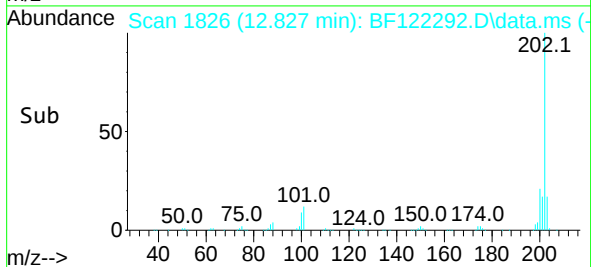
Tgt Ion:184 Resp: 117248
Ion Ratio Lower Upper
184 100
185 16.8 11.6 17.4
183 11.7 9.4 14.0



#78
Pyrene
Concen: 4.12 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



Tgt Ion:202 Resp: 275181
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 17.3 14.6 21.8



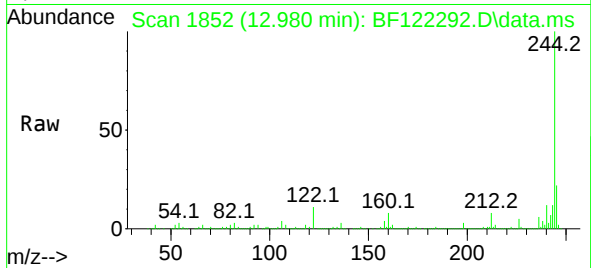
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

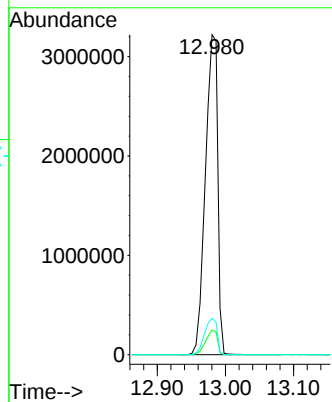
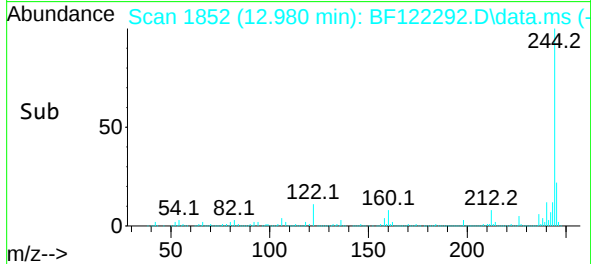
mohammad
11/11/2020 10:31:54 AM



#79
 Terphenyl-d14
 Concen: 90.39 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF122292.D
 Acq: 10 Nov 2020 11:46



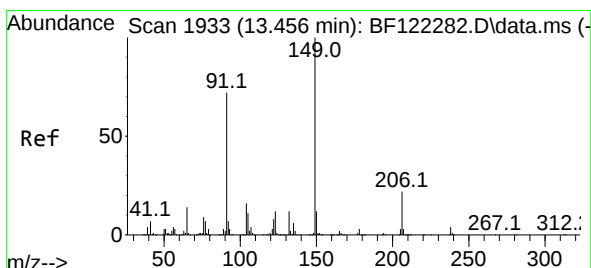
Tgt Ion:244 Resp: 4054766
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.4 8.2
 122 11.3 8.1 12.1



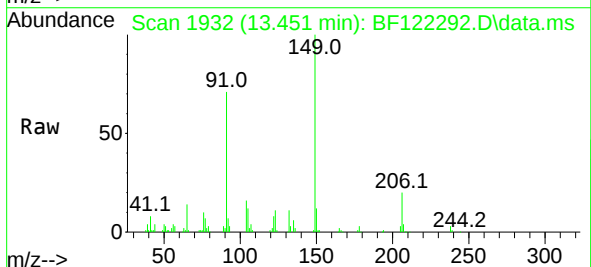
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
 APPROVED

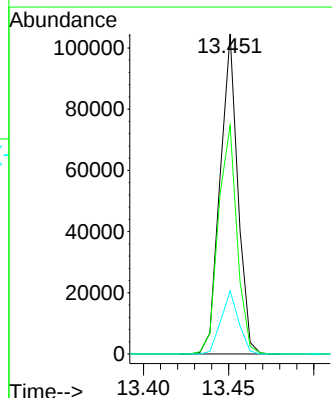
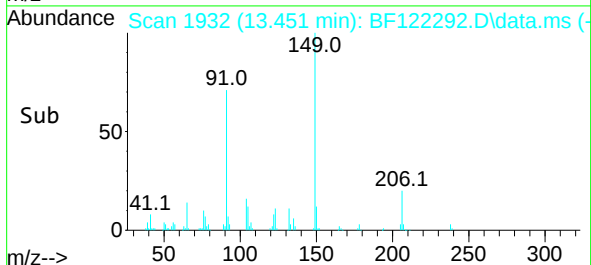
mohammad
 11/11/2020 10:31:54 AM

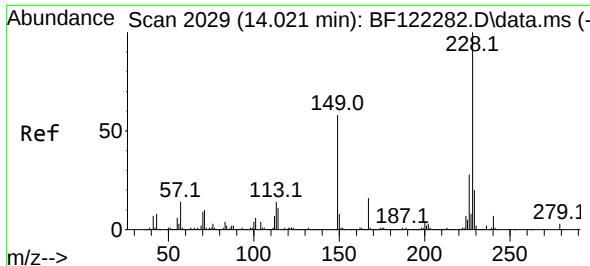


#80
 Butylbenzylphthalate
 Concen: 3.16 ng
 RT: 13.451 min Scan# 1932
 Delta R.T. -0.005 min
 Lab File: BF122292.D
 Acq: 10 Nov 2020 11:46

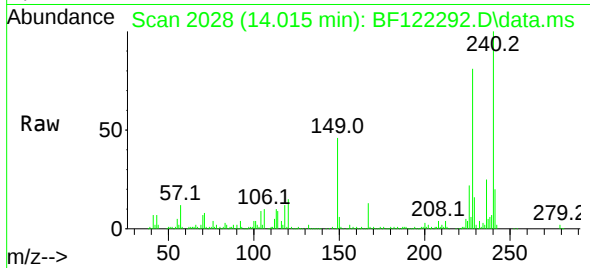


Tgt Ion:149 Resp: 75739
 Ion Ratio Lower Upper
 149 100
 91 71.4 61.0 91.4
 206 19.7 16.7 25.1

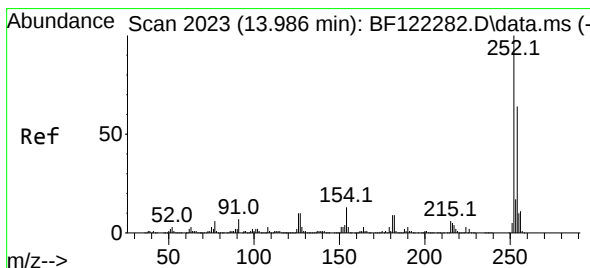
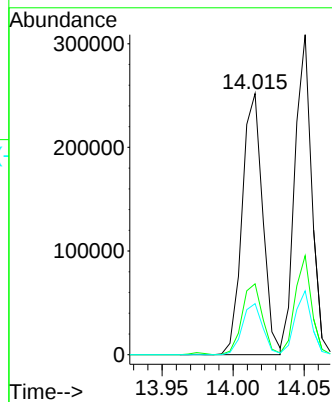
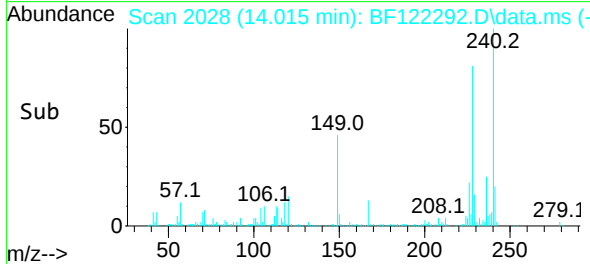




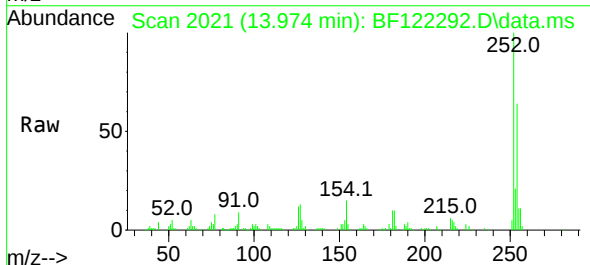
#81
Benzo(a)anthracene
Concen: 4.29 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



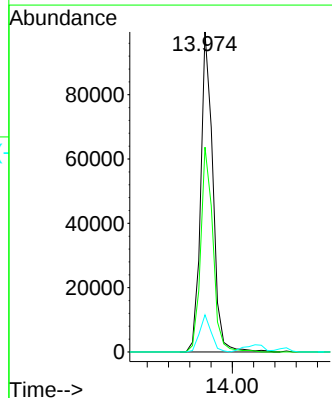
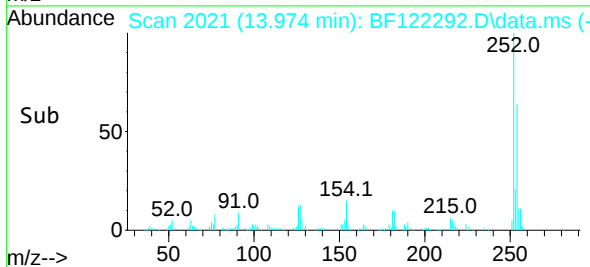
Tgt Ion:228 Resp: 253278
Ion Ratio Lower Upper
228 100
226 27.1 22.3 33.5
229 19.6 16.2 24.4



#82
3,3'-Dichlorobenzidine
Concen: 3.60 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.011 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



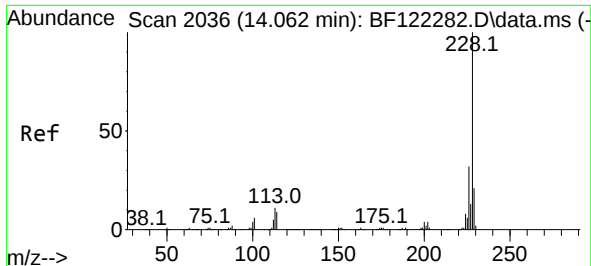
Tgt Ion:252 Resp: 79184
Ion Ratio Lower Upper
252 100
254 64.0 51.8 77.6
126 11.6 8.8 13.2



Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

mohammad
11/11/2020 10:31:54 AM



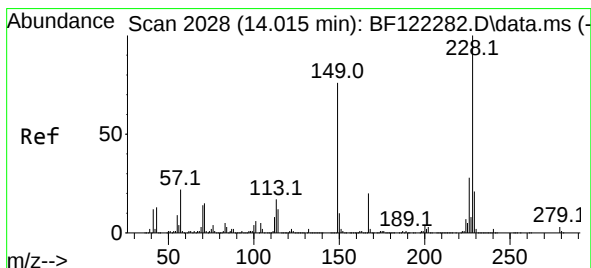
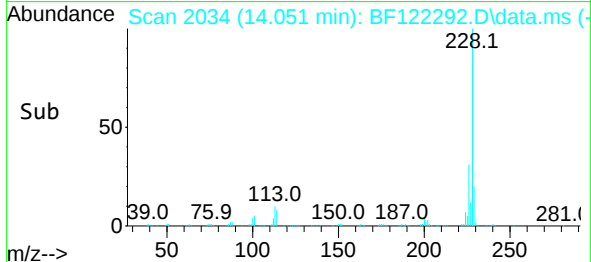
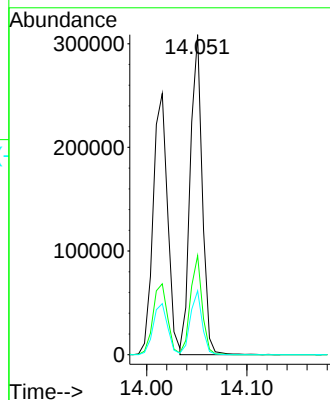
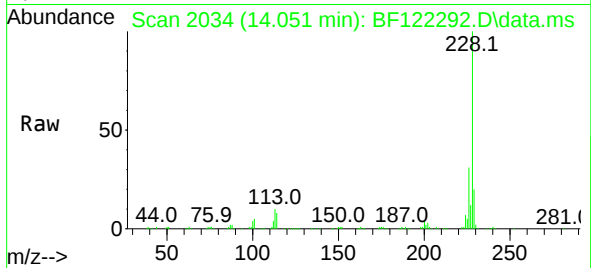
#83
Chrysene
Concen: 4.29 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.011 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:228 Resp: 255224
Ion Ratio Lower Upper
228 100
226 30.9 24.6 37.0
229 19.9 15.9 23.9

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

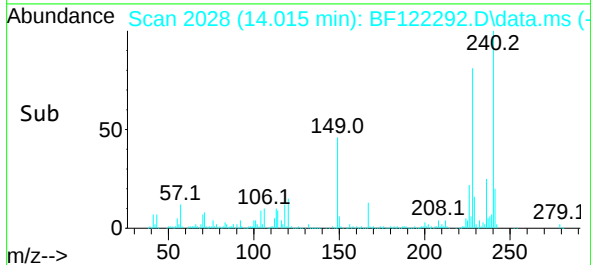
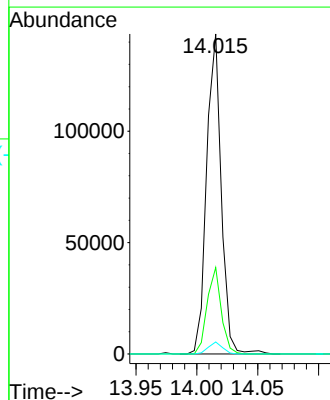
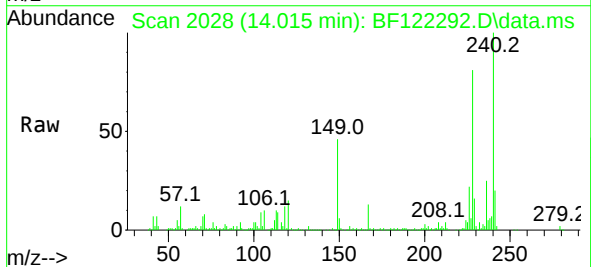
Manual Integrations
APPROVED

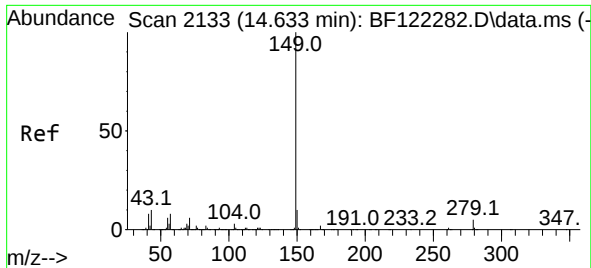
mohammad
11/11/2020 10:31:54 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.71 ng
RT: 14.015 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

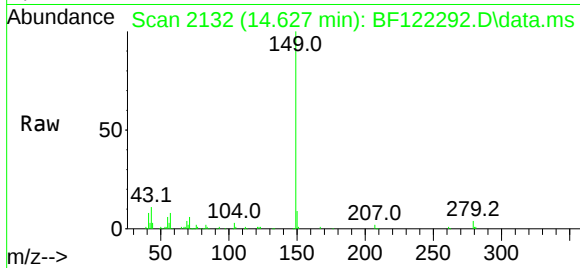
Tgt Ion:149 Resp: 119564
Ion Ratio Lower Upper
149 100
167 27.0 20.9 31.3
279 3.8 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 3.02 ng
RT: 14.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

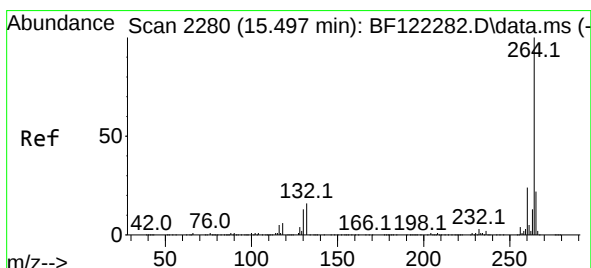
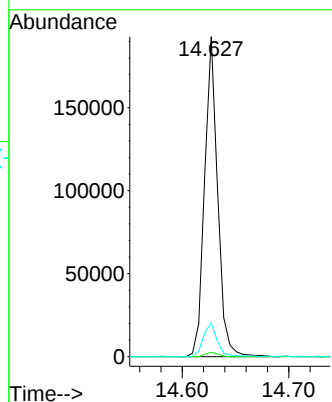
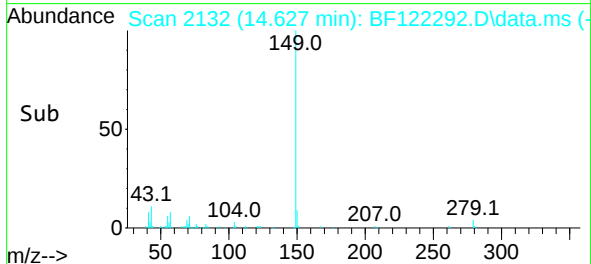
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



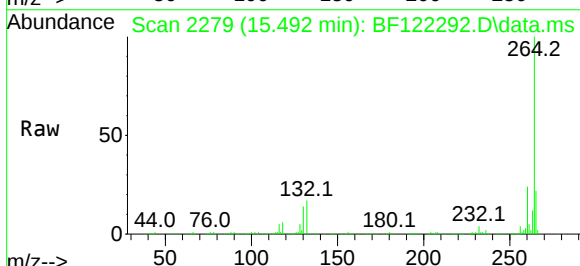
Tgt Ion:149 Resp: 164928
Ion Ratio Lower Upper
149 100
167 1.3 1.2 1.8
43 11.4 9.0 13.6

Manual Integrations
APPROVED

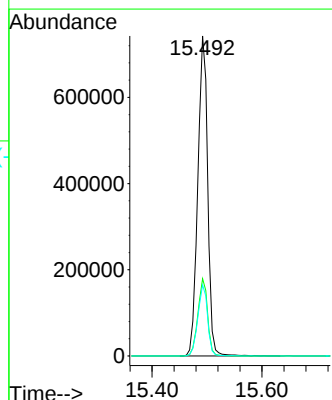
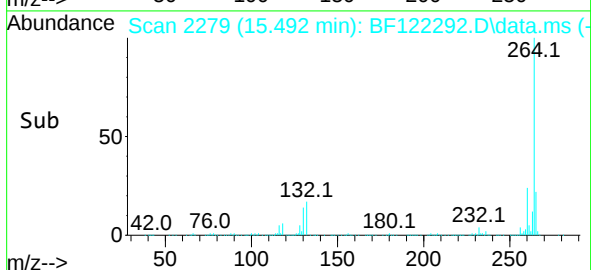
mohammad
11/11/2020 10:31:54 AM

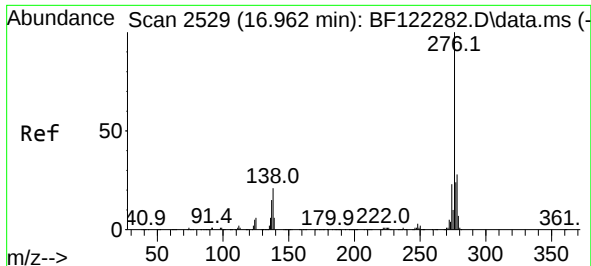


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



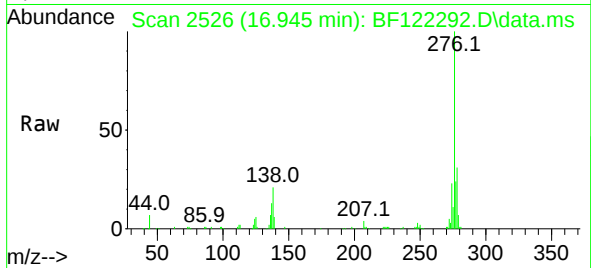
Tgt Ion:264 Resp: 930195
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 22.2 17.3 25.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.81 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.017 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

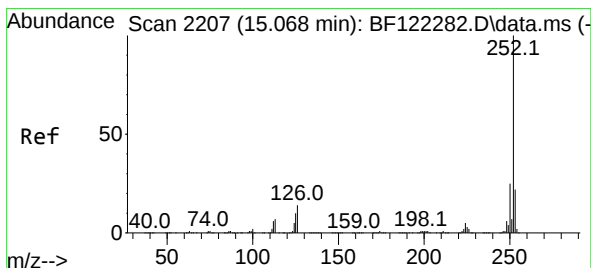
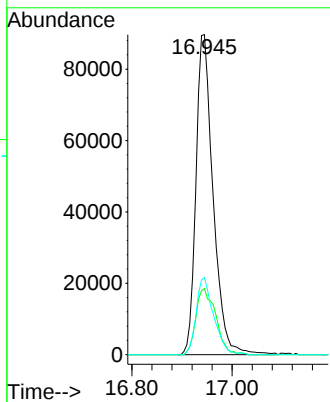
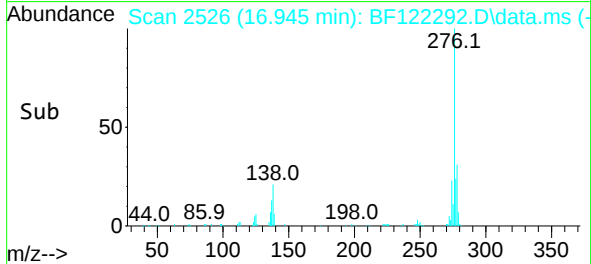
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020



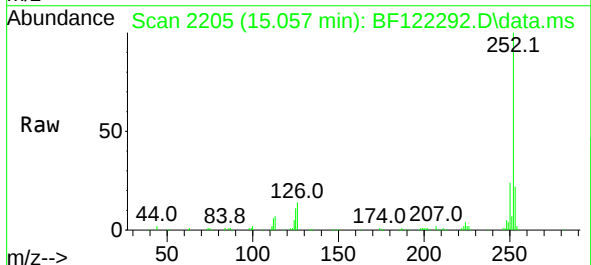
Tgt Ion:276 Resp: 212781
Ion Ratio Lower Upper
276 100
138 24.0 19.9 29.9
277 24.5 20.4 30.6

Manual Integrations
APPROVED

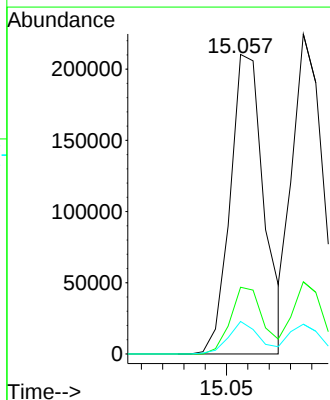
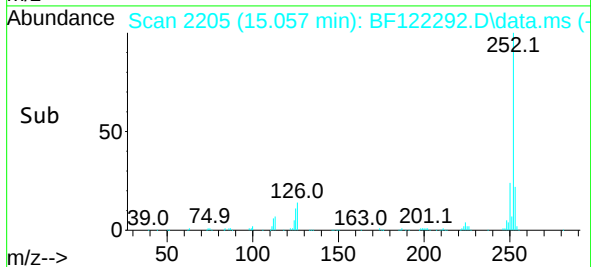
mohammad
11/11/2020 10:31:54 AM

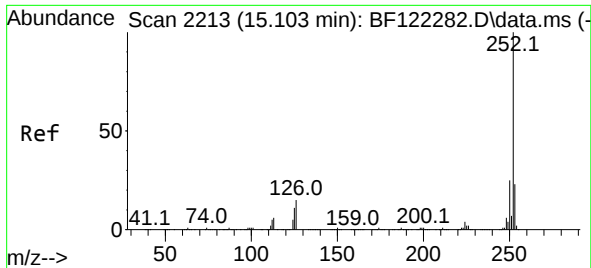


#88
Benzo(b)fluoranthene
Concen: 3.87 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.011 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46



Tgt Ion:252 Resp: 233418
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 10.9 8.0 12.0





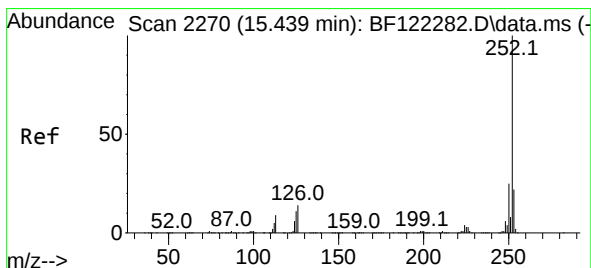
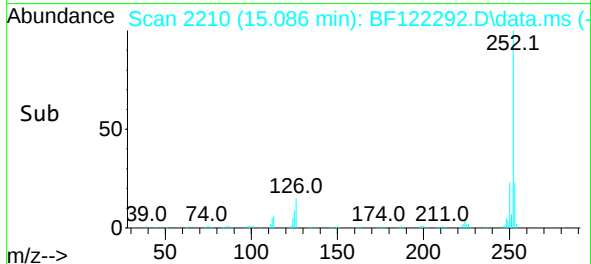
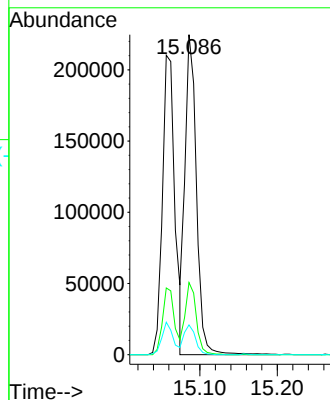
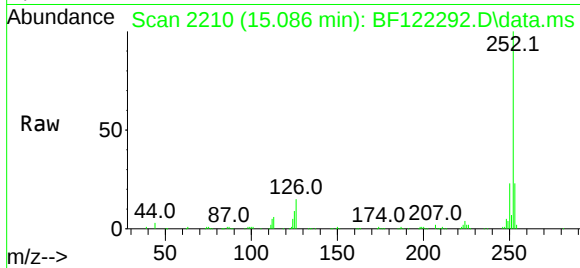
#89
Benzo(k)fluoranthene
Concen: 3.93 ng
RT: 15.086 min Scan# 2210
Delta R.T. -0.017 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:252 Resp: 231140
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 9.3 7.7 11.5

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

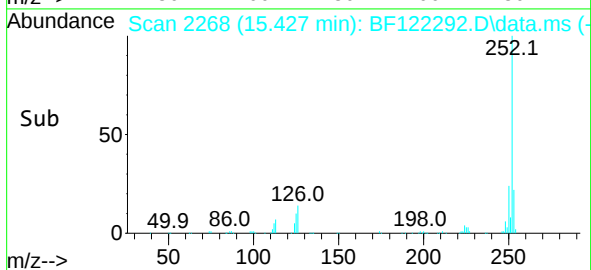
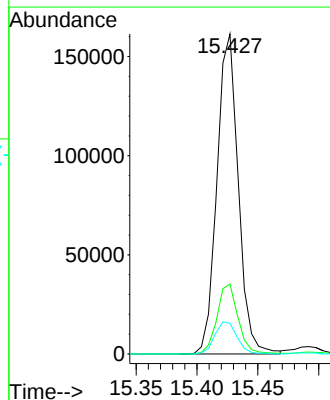
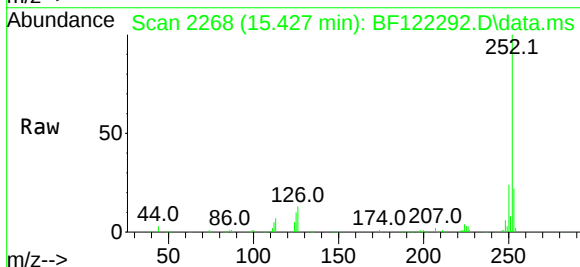
Manual Integrations
APPROVED

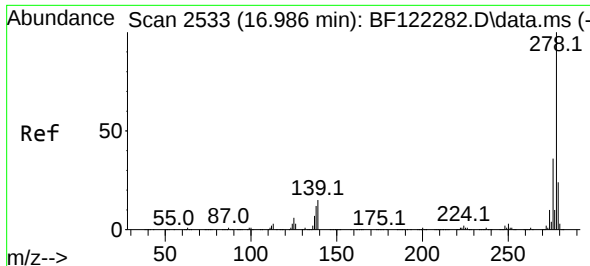
mohammad
11/11/2020 10:31:54 AM



#90
Benzo(a)pyrene
Concen: 3.75 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.011 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion:252 Resp: 197069
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 9.6 8.6 13.0





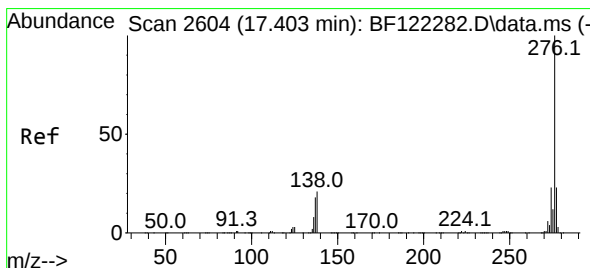
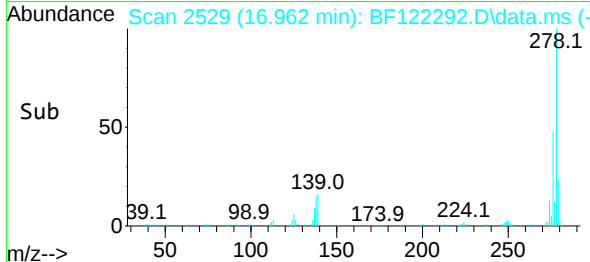
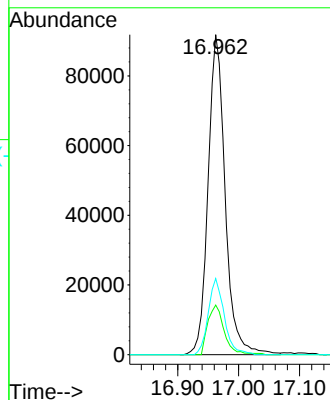
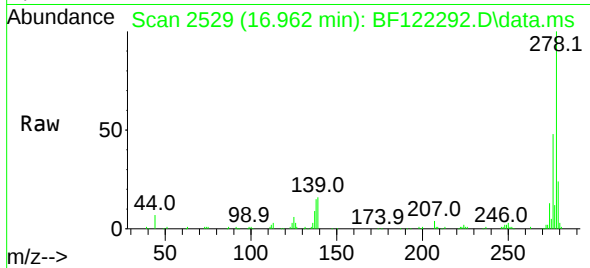
#91
Dibenzo(a,h)anthracene
Concen: 3.84 ng
RT: 16.962 min Scan# 2529
Delta R.T. -0.023 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion: 278 Resp: 179372
Ion Ratio Lower Upper
278 100
139 15.5 13.0 19.4
279 23.8 19.0 28.4

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
APPROVED

mohammad
11/11/2020 10:31:54 AM



#92
Benzo(g,h,i)perylene
Concen: 3.84 ng
RT: 17.380 min Scan# 2600
Delta R.T. -0.023 min
Lab File: BF122292.D
Acq: 10 Nov 2020 11:46

Tgt Ion: 276 Resp: 174534
Ion Ratio Lower Upper
276 100
277 24.9 19.4 29.2
138 19.2 17.8 26.6

