

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071321\
 Data File : BF124548.D
 Acq On : 13 Jul 2021 16:26
 Operator : JU/CG
 Sample : M2940-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2021

Manual Integrations
 APPROVED

mohammad
 7/14/2021 12:15:45 PM

Quant Time: Jul 13 16:49:06 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 13 14:57:42 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	7895	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	30057	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	17450	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	30949	20.000	ng	0.00
76) Chrysene-d12	14.092	240	22235	20.000	ng	0.00
86) Perylene-d12	15.592	264	17844	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.546	112	52539	115.298	ng	0.00
7) Phenol-d6	6.551	99	63531	114.607	ng	0.00
23) Nitrobenzene-d5	7.492	82	36551	76.766	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	15288	112.583	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	85014	71.043	ng	0.00
79) Terphenyl-d14	13.045	244	94333	71.241	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.810	88	565	3.791	ng	# 100
3) Pyridine	3.610	79	561	1.468	ng	# 54
4) n-Nitrosodimethylamine	3.493	42	1171	3.769	ng	# 72
6) Aniline	6.593	93	2805	4.802	ng	96
8) 2-Chlorophenol	6.710	128	2163	4.234	ng	99
9) Benzaldehyde	6.481	77	1488m	4.575	ng	
10) Phenol	6.557	94	2212	4.087	ng	# 64
11) bis(2-Chloroethyl)ether	6.657	93	1821	4.340	ng	# 76
12) 1,3-Dichlorobenzene	6.869	146	2783	4.977	ng	# 85
13) 1,4-Dichlorobenzene	6.945	146	2819m	4.936	ng	
14) 1,2-Dichlorobenzene	7.098	146	2522	4.647	ng	91
15) Benzyl Alcohol	7.057	79	2152m	5.611	ng	
16) 2,2'-oxybis(1-Chloropr...	7.198	45	3378	4.671	ng	88
17) 2-Methylphenol	7.157	107	1727	4.618	ng	91
18) Hexachloroethane	7.440	117	949	4.413	ng	95
19) n-Nitroso-di-n-propyla...	7.328	70	1280	4.107	ng	# 93
20) 3+4-Methylphenols	7.310	107	2110	4.286	ng	# 72
22) Acetophenone	7.328	105	3189	4.675	ng	# 97
24) Nitrobenzene	7.504	77	2086	4.418	ng	# 90
25) Isophorone	7.739	82	3629	4.152	ng	# 94
26) 2-Nitrophenol	7.822	139	1061	4.166	ng	# 73
27) 2,4-Dimethylphenol	7.845	122	2144	5.080	ng	91
28) bis(2-Chloroethoxy)met...	7.951	93	2347	4.603	ng	99
29) 2,4-Dichlorophenol	8.051	162	1644	3.777	ng	96
30) 1,2,4-Trichlorobenzene	8.145	180	1974	4.098	ng	93
31) Naphthalene	8.228	128	7265	4.673	ng	# 97
32) Benzoic acid	7.892	122	421	1.431	ng	89
33) 4-Chloroaniline	8.269	127	2817	4.795	ng	98
34) Hexachlorobutadiene	8.345	225	1113	4.093	ng	95
35) Caprolactam	8.604	113	369	3.351	ng	94
36) 4-Chloro-3-methylphenol	8.739	107	1849	4.296	ng	98
37) 2-Methylnaphthalene	8.922	142	4830	4.604	ng	97
38) 1-Methylnaphthalene	9.016	142	4188	4.251	ng	94
40) 1,2,4,5-Tetrachloroben...	9.086	216	2055	4.415	ng	89
41) Hexachlorocyclopentadiene	9.075	237	1611	5.541	ng	91
43) 2,4,6-Trichlorophenol	9.192	196	1257	3.741	ng	90

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071321\
 Data File : BF124548.D
 Acq On : 13 Jul 2021 16:26
 Operator : JU/CG
 Sample : M2940-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2021

Manual Integrations
 APPROVED

mohammad
 7/14/2021 12:15:45 PM

Quant Time: Jul 13 16:49:06 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 13 14:57:42 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.222	196	1358	3.919	ng	94
46) 1,1'-Biphenyl	9.386	154	6054	4.568	ng	99
47) 2-Chloronaphthalene	9.410	162	4507	4.337	ng	98
48) 2-Nitroaniline	9.498	65	1184	4.738	ng	87
49) Acenaphthylene	9.822	152	7007	4.321	ng	97
50) Dimethylphthalate	9.675	163	5174	4.262	ng	# 96
51) 2,6-Dinitrotoluene	9.739	165	902	3.769	ng	# 90
52) Acenaphthene	9.998	154	4613	4.449	ng	97
53) 3-Nitroaniline	9.904	138	1146	4.291	ng	# 96
54) 2,4-Dinitrophenol	10.004	184	311	2.490	ng	# 1
55) Dibenzofuran	10.169	168	6430	4.218	ng	93
56) 4-Nitrophenol	10.045	139	807	3.630	ng	96
57) 2,4-Dinitrotoluene	10.139	165	1322	4.035	ng	85
58) Fluorene	10.510	166	4928	4.179	ng	93
59) 2,3,4,6-Tetrachlorophenol	10.281	232	1025	3.830	ng	# 84
60) Diethylphthalate	10.381	149	5547	4.370	ng	98
61) 4-Chlorophenyl-phenyle...	10.504	204	2202	4.114	ng	97
62) 4-Nitroaniline	10.510	138	1034	3.841	ng	94
63) Azobenzene	10.669	77	4555	4.105	ng	95
65) 4,6-Dinitro-2-methylph...	10.545	198	427	2.415	ng	# 81
66) n-Nitrosodiphenylamine	10.622	169	4123	4.091	ng	95
67) 4-Bromophenyl-phenylether	10.992	248	1488	4.650	ng	# 71
68) Hexachlorobenzene	11.057	284	1454	4.434	ng	# 90
69) Atrazine	11.139	200	1273	4.125	ng	83
70) Pentachlorophenol	11.245	266	595	2.869	ng	# 81
71) Phenanthrene	11.475	178	7544m	4.468	ng	
72) Anthracene	11.527	178	7579	4.474	ng	99
73) Carbazole	11.675	167	6543	4.180	ng	95
74) Di-n-butylphthalate	12.010	149	9338	4.429	ng	99
75) Fluoranthene	12.663	202	7514	4.411	ng	94
77) Benzidine	12.786	184	4451	5.355	ng	95
78) Pyrene	12.892	202	7731	4.185	ng	98
80) Butylbenzylphthalate	13.510	149	3409	3.817	ng	99
81) Benzo(a)anthracene	14.080	228	6478	4.393	ng	98
82) 3,3'-Dichlorobenzidine	14.045	252	2292	5.934	ng	# 95
83) Chrysene	14.116	228	6217	4.401	ng	95
84) Bis(2-ethylhexyl)phtha...	14.074	149	5098	4.251	ng	# 96
85) Di-n-octyl phthalate	14.686	149	7693	4.433	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.086	276	3820	3.691	ng	# 86
88) Benzo(b)fluoranthene	15.145	252	5414	4.227	ng	97
89) Benzo(k)fluoranthene	15.174	252	5321m	4.528	ng	
90) Benzo(a)pyrene	15.521	252	4734	4.478	ng	98
91) Dibenzo(a,h)anthracene	17.109	278	3223	3.659	ng	96
92) Benzo(g,h,i)perylene	17.545	276	3204	3.726	ng	96

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

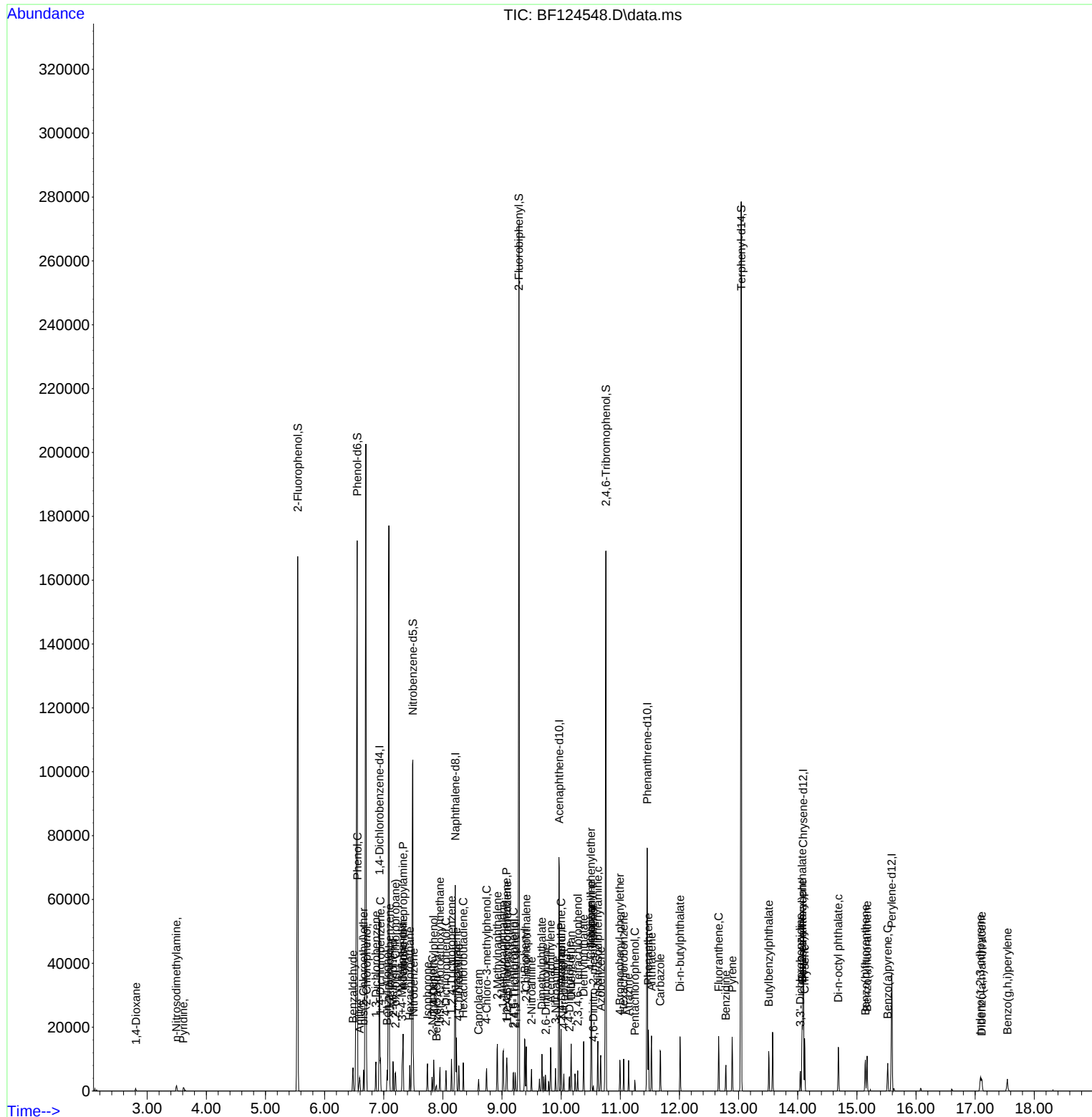
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071321\
 Data File : BF124548.D
 Acq On : 13 Jul 2021 16:26
 Operator : JU/CG
 Sample : M2940-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 6 Sample Multiplier: 1

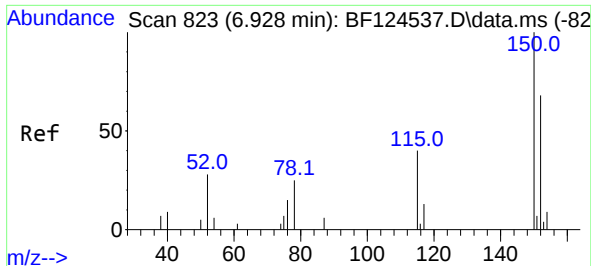
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2021

Manual Integrations
 APPROVED

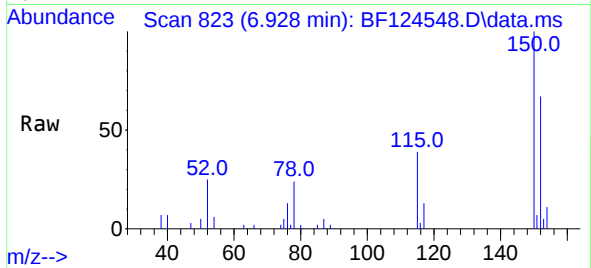
mohammad
 7/14/2021 12:15:45 PM

Quant Time: Jul 13 16:49:06 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 13 14:57:42 2021
 Response via : Initial Calibration

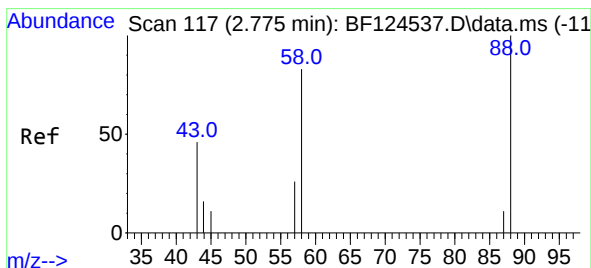
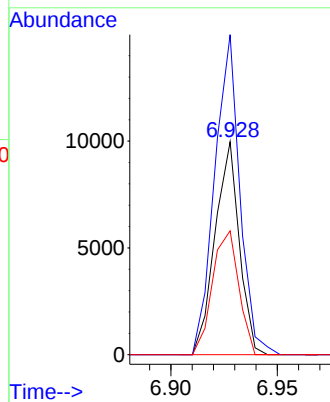
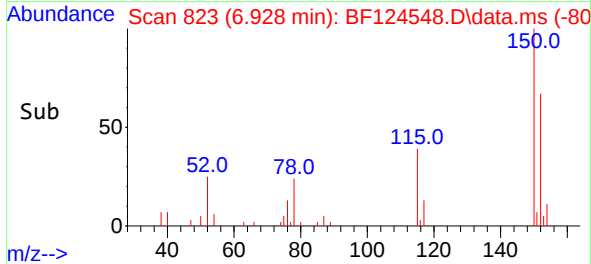




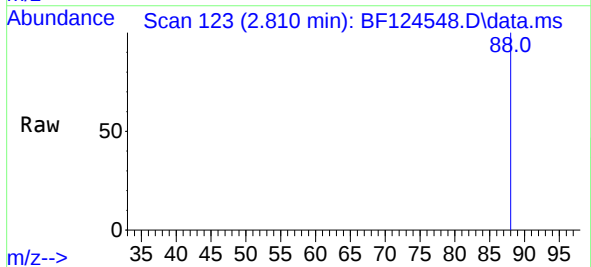
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 823
Delta R.T. -0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



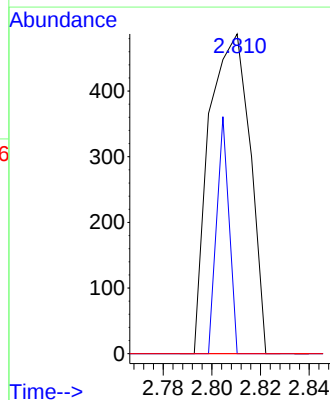
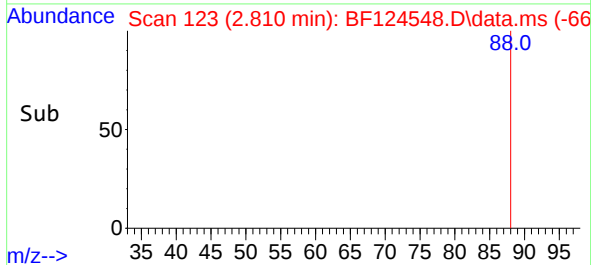
Tgt Ion:152 Resp: 7895
Ion Ratio Lower Upper
152 100
150 150.2 117.6 176.4
115 58.2 47.1 70.7



#2
1,4-Dioxane
Concen: 3.791 ng
RT: 2.810 min Scan# 123
Delta R.T. 0.035 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



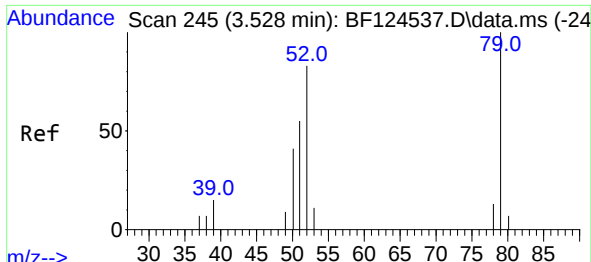
Tgt Ion: 88 Resp: 565
Ion Ratio Lower Upper
88 100
58 22.5 0.0 0.0#
43 0.0 0.0 0.0



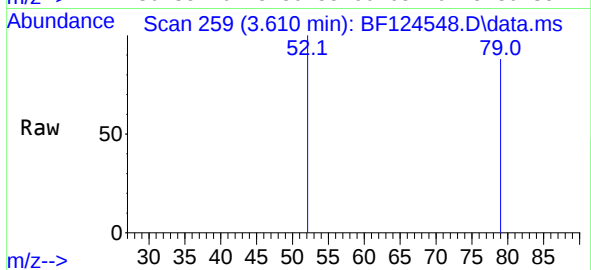
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations
APPROVED

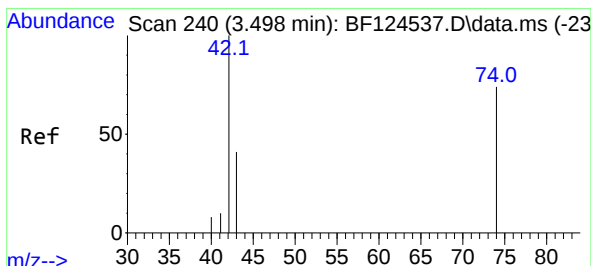
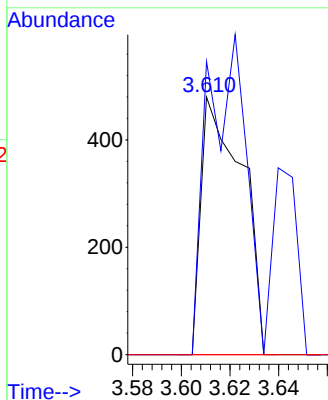
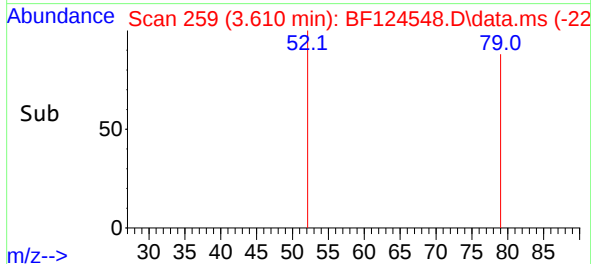
mohammad
7/14/2021 12:15:45 PM



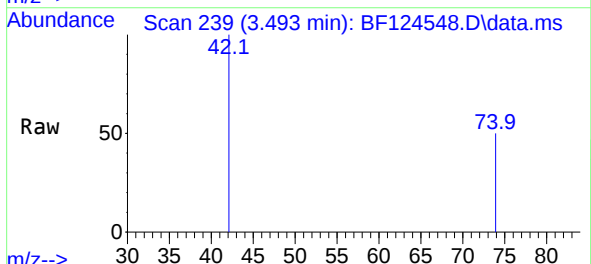
#3
Pyridine
Concen: 1.468 ng
RT: 3.610 min Scan# 259
Delta R.T. 0.083 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



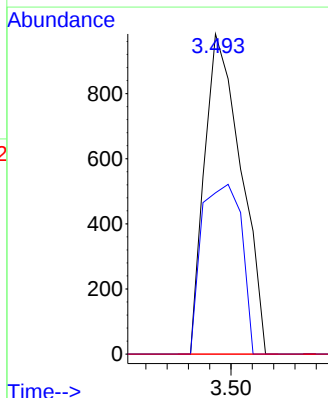
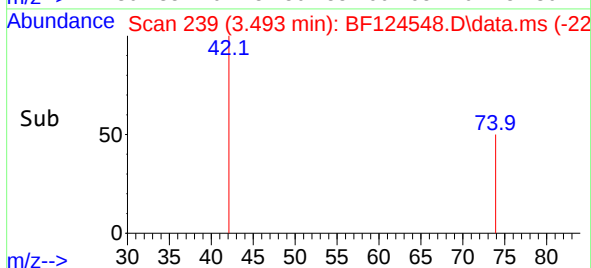
Tgt Ion: 79 Resp: 561
Ion Ratio Lower Upper
79 100
52 113.8 70.3 105.5#
51 0.0 44.1 66.1#



#4
n-Nitrosodimethylamine
Concen: 3.769 ng
RT: 3.493 min Scan# 239
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



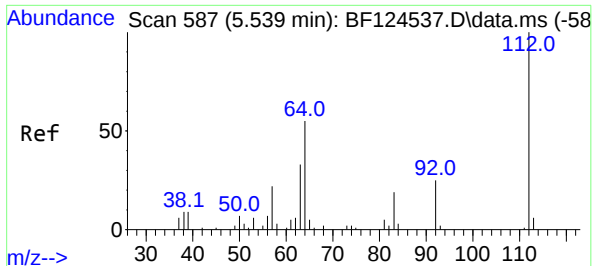
Tgt Ion: 42 Resp: 1171
Ion Ratio Lower Upper
42 100
74 50.4 59.0 88.6#
44 0.0 0.0 0.0



Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations
APPROVED

mohammad
7/14/2021 12:15:45 PM



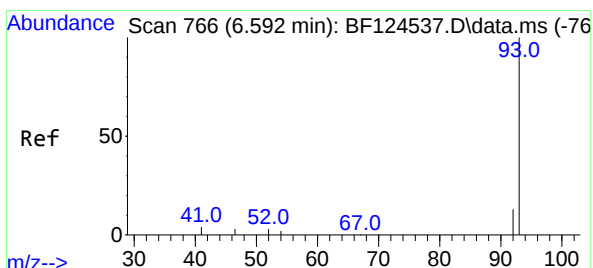
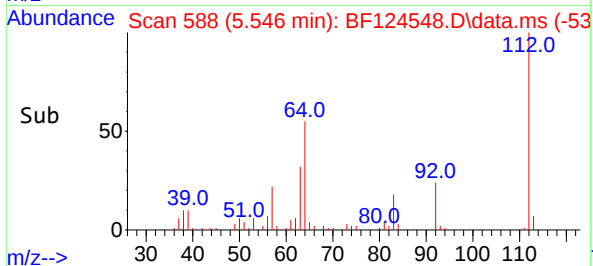
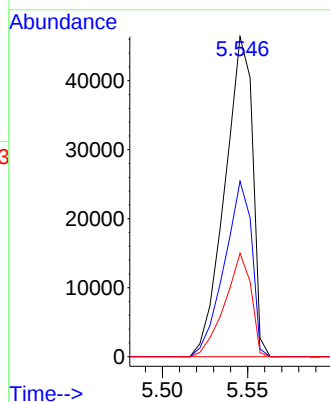
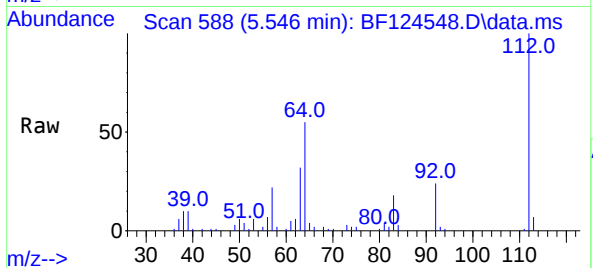
#5
2-Fluorophenol
Concen: 115.298 ng
RT: 5.546 min Scan# 588
Delta R.T. 0.007 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Tgt Ion:	112	Resp:	52539
Ion Ratio	Lower	Upper	
112	100		
64	54.8	44.2	66.2
63	32.3	26.2	39.2

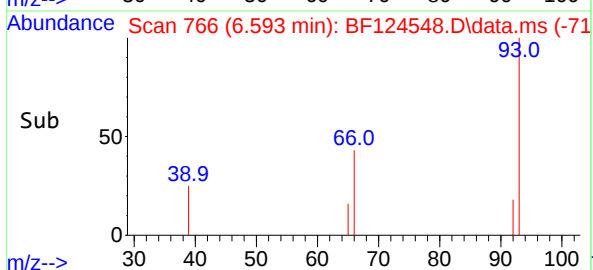
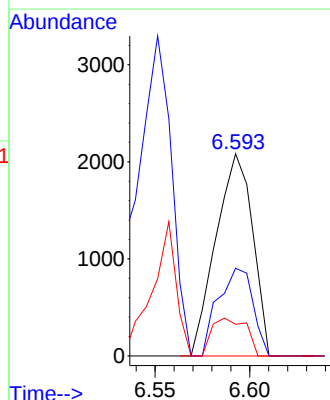
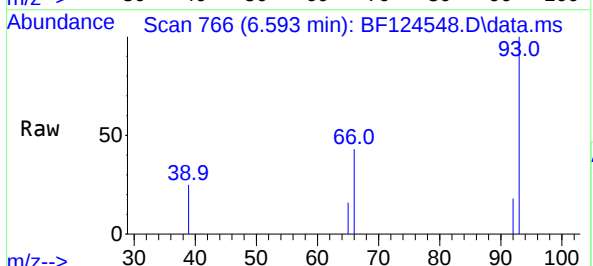
Manual Integrations
APPROVED

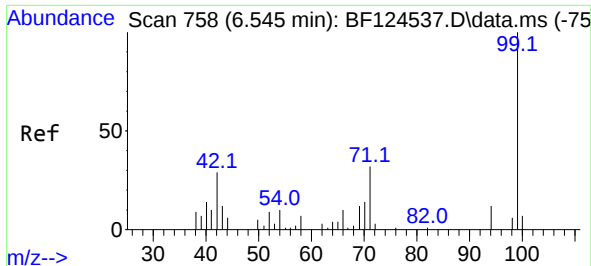
mohammad
7/14/2021 12:15:45 PM



#6
Aniline
Concen: 4.802 ng
RT: 6.593 min Scan# 766
Delta R.T. 0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion:	93	Resp:	2805
Ion Ratio	Lower	Upper	
93	100		
66	43.4	32.7	49.1
65	15.7	14.2	21.4





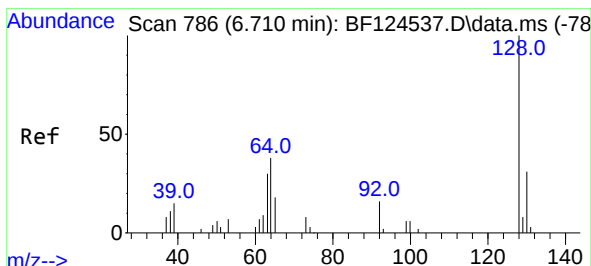
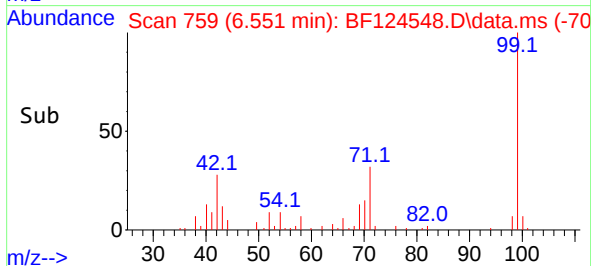
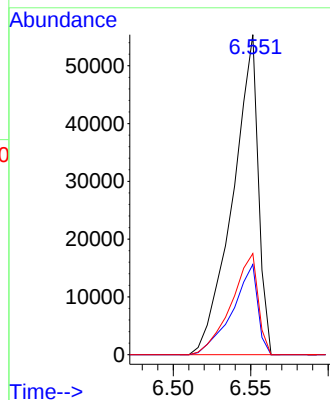
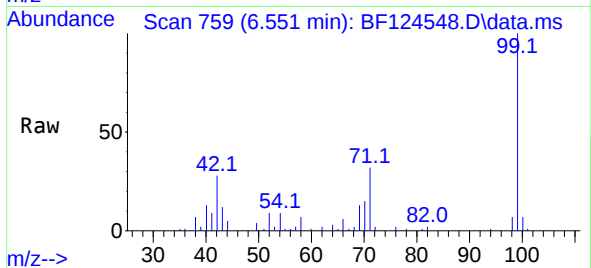
#7
Phenol-d6
Concen: 114.607 ng
RT: 6.551 min Scan# 759
Delta R.T. 0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion: 99 Resp: 63531
Ion Ratio Lower Upper
99 100
42 28.2 23.5 35.3
71 31.6 25.6 38.4

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

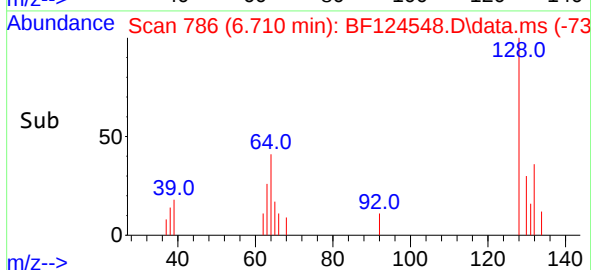
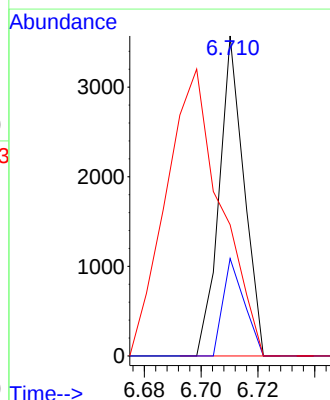
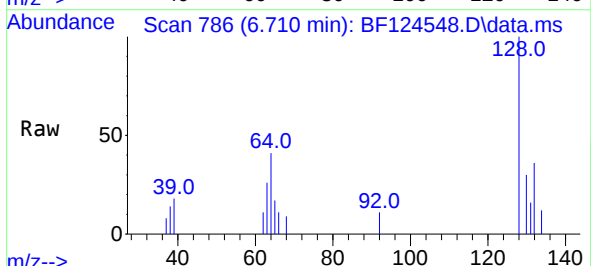
Manual Integrations
APPROVED

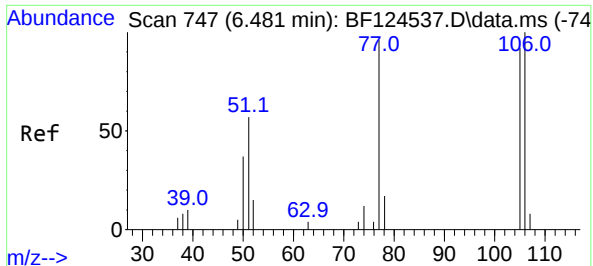
mohammad
7/14/2021 12:15:45 PM



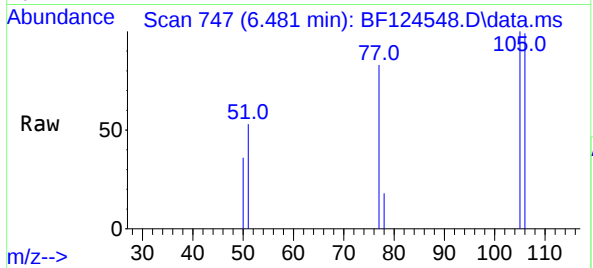
#8
2-Chlorophenol
Concen: 4.234 ng
RT: 6.710 min Scan# 786
Delta R.T. 0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion: 128 Resp: 2163
Ion Ratio Lower Upper
128 100
130 30.5 10.5 50.5
64 41.0 20.3 60.3

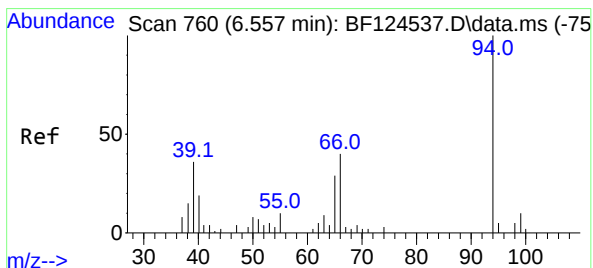
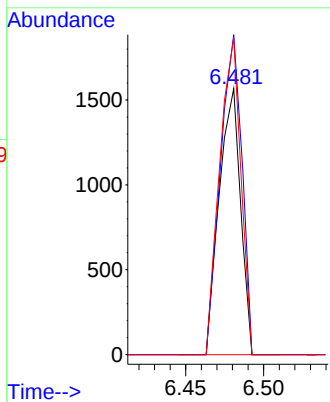
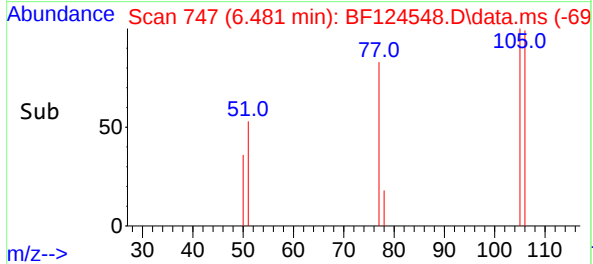




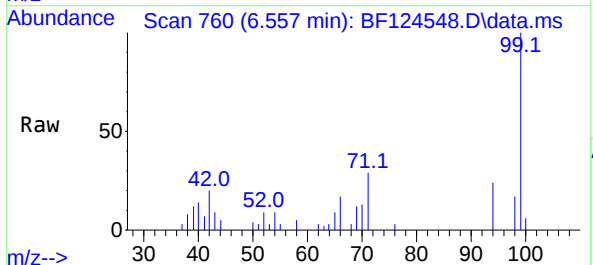
#9
Benzaldehyde
Concen: 4.575 ng m
RT: 6.481 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



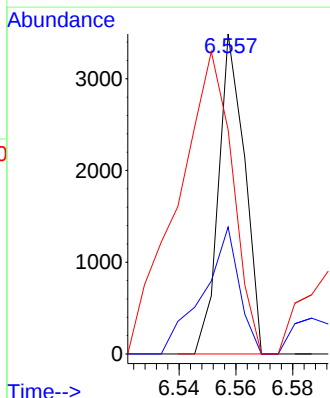
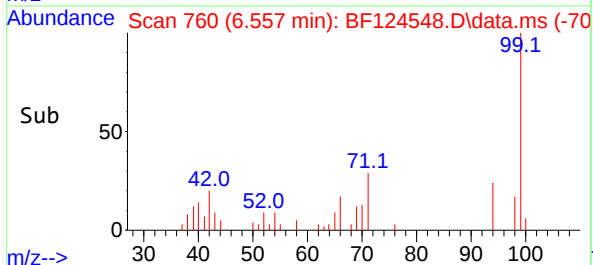
Tgt Ion: 77 Resp: 1488
Ion Ratio Lower Upper
77 100
105 120.3 75.9 115.9#
106 119.1 84.0 124.0



#10
Phenol
Concen: 4.087 ng
RT: 6.557 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



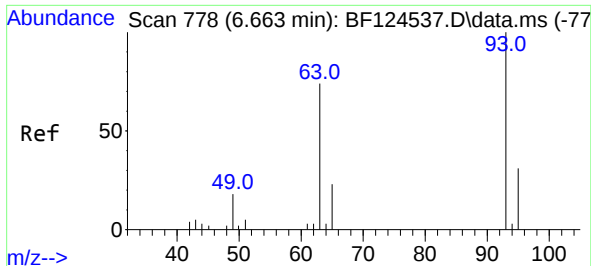
Tgt Ion: 94 Resp: 2212
Ion Ratio Lower Upper
94 100
65 39.6 9.3 49.3
66 70.0 20.3 60.3#



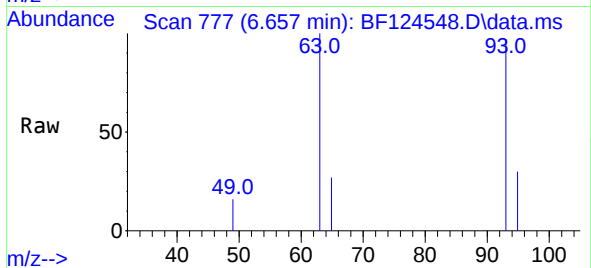
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations
APPROVED

mohammad
7/14/2021 12:15:45 PM

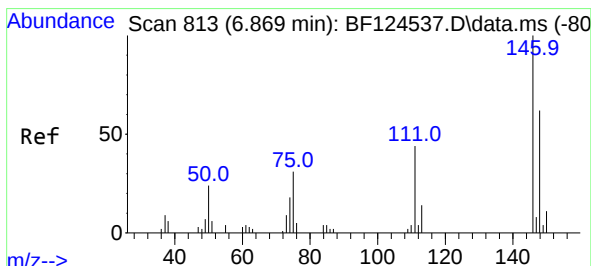
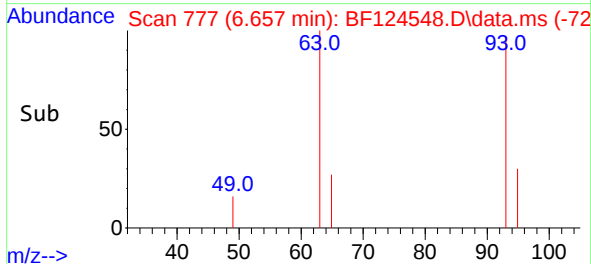
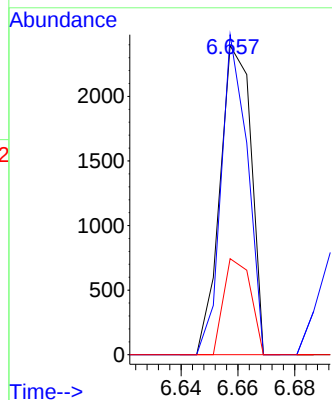


#11
bis(2-Chloroethyl)ether
Concen: 4.340 ng
RT: 6.657 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

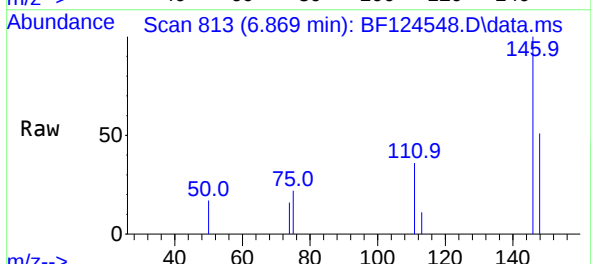


Tgt Ion: 93 Resp: 1821

Ion	Ratio	Lower	Upper
93	100		
63	103.5	54.4	94.4#
95	31.1	11.4	51.4

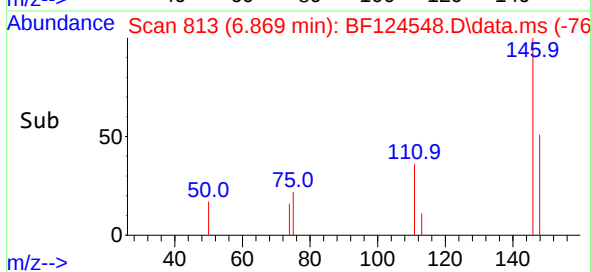
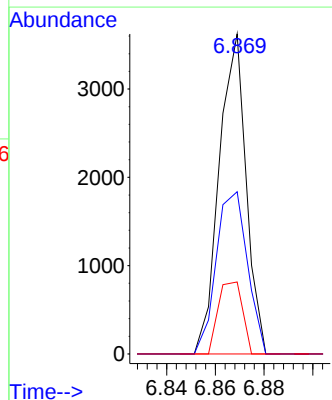


#12
1,3-Dichlorobenzene
Concen: 4.977 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



Tgt Ion: 146 Resp: 2783

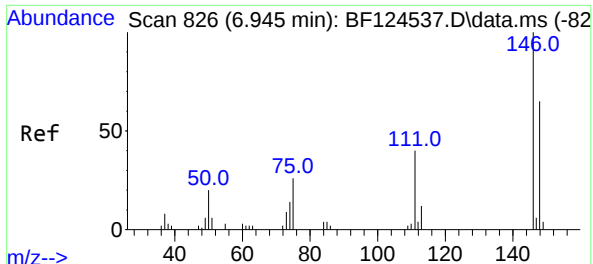
Ion	Ratio	Lower	Upper
146	100		
148	50.7	49.7	74.5
75	22.5	25.2	37.8#



Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations
APPROVED

mohammad
7/14/2021 12:15:45 PM



#13

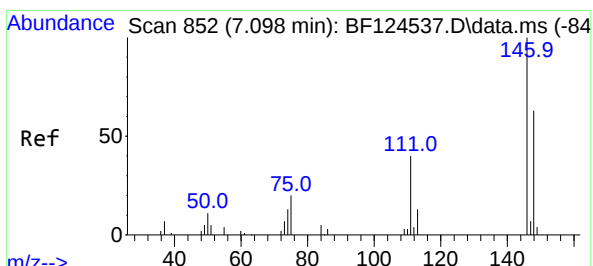
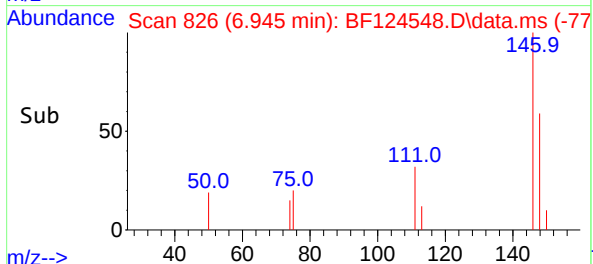
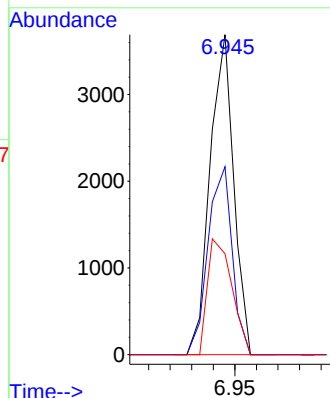
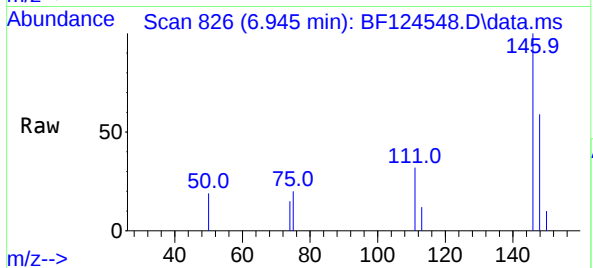
1,4-Dichlorobenzene
Concen: 4.936 ng m
RT: 6.945 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion:146 Resp: 2819
Ion Ratio Lower Upper
146 100
148 58.7 51.9 77.9
111 31.5 31.8 47.6#

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations
APPROVED

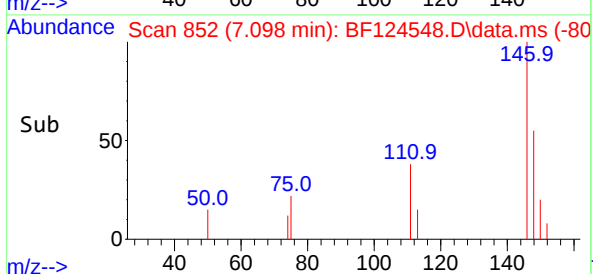
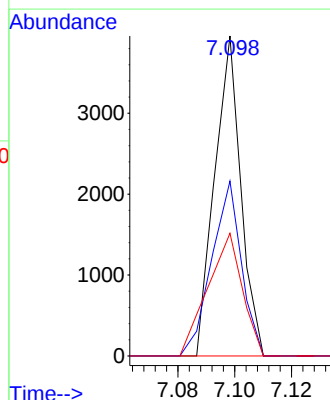
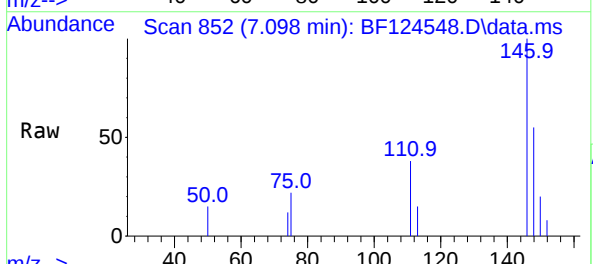
mohammad
7/14/2021 12:15:45 PM

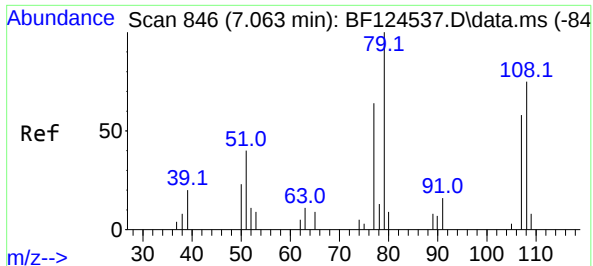


#14

1,2-Dichlorobenzene
Concen: 4.647 ng
RT: 7.098 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion:146 Resp: 2522
Ion Ratio Lower Upper
146 100
148 54.6 50.6 75.8
111 38.3 33.5 50.3





#15

Benzyl Alcohol

Concen: 5.611 ng m

RT: 7.057 min Scan# 845

Delta R.T. -0.006 min

Lab File: BF124548.D

Acq: 13 Jul 2021 16:26

Tgt Ion:	79	Resp:	2152
Ion	Ratio	Lower	Upper
79	100		
108	74.7	60.4	90.6
77	58.1	51.5	77.3

Instrument :

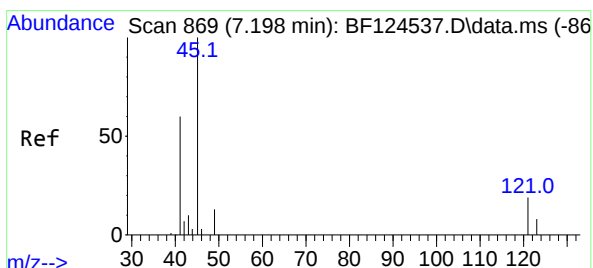
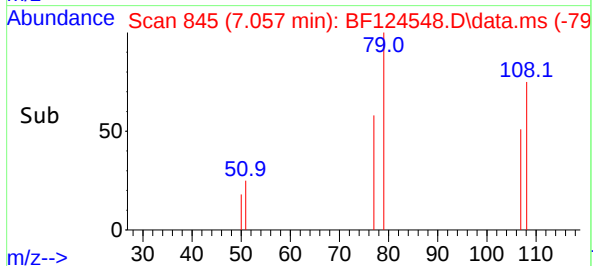
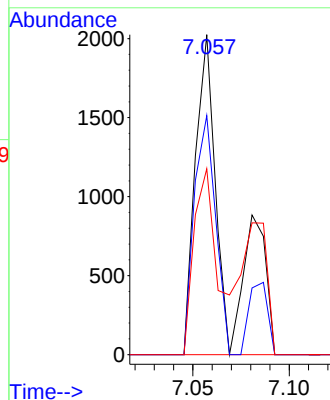
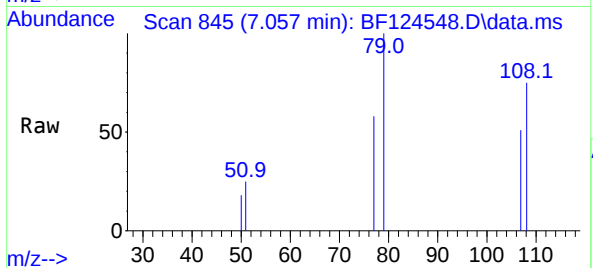
BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2021

Manual Integrations
APPROVED

mohammad
7/14/2021 12:15:45 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.671 ng

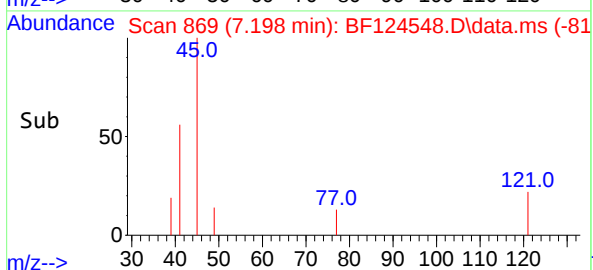
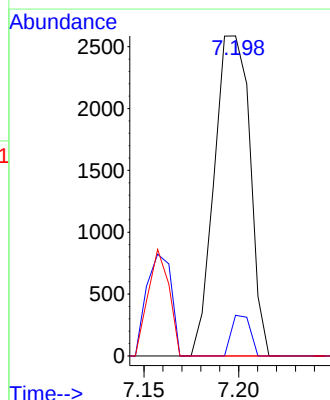
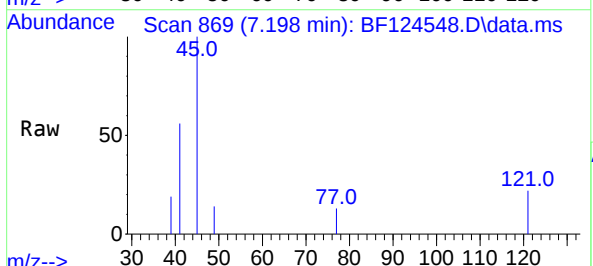
RT: 7.198 min Scan# 869

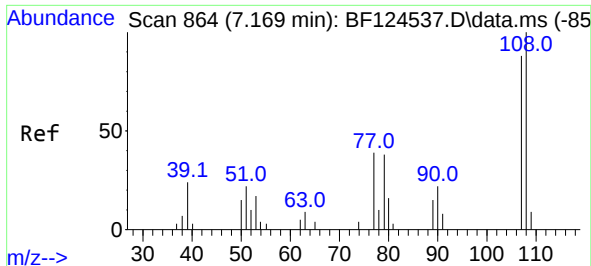
Delta R.T. 0.000 min

Lab File: BF124548.D

Acq: 13 Jul 2021 16:26

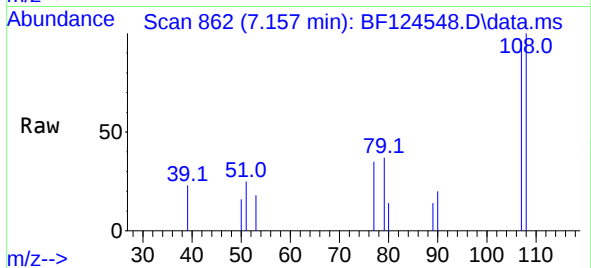
Tgt Ion:	45	Resp:	3378
Ion	Ratio	Lower	Upper
45	100		
77	12.7	0.0	30.6
79	0.0	0.0	27.5





#17
2-Methylphenol
Concen: 4.618 ng
RT: 7.157 min Scan# 862
Delta R.T. -0.012 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

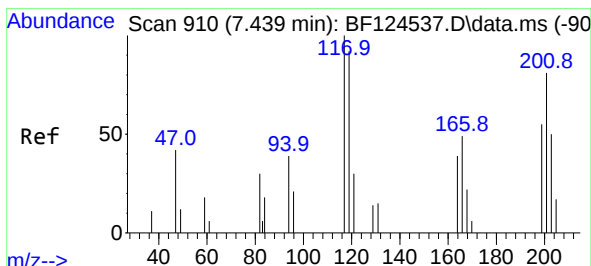
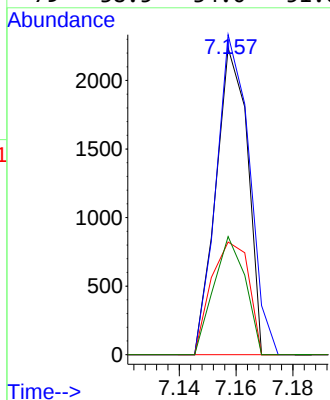
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021



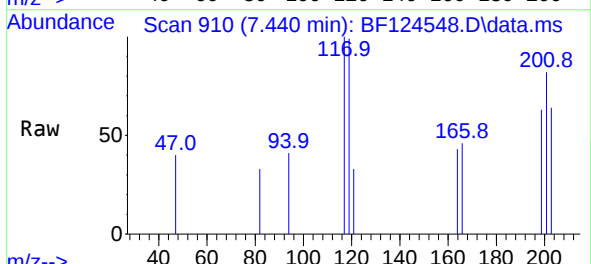
Tgt Ion:	107	Resp:	1727
Ion	Ratio	Lower	Upper
107	100		
108	104.3	90.6	135.8
77	36.7	35.7	53.5
79	38.5	34.0	51.0

Manual Integrations
APPROVED

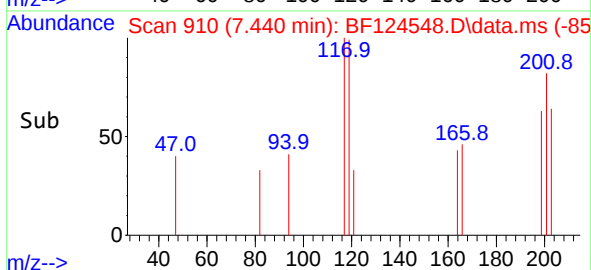
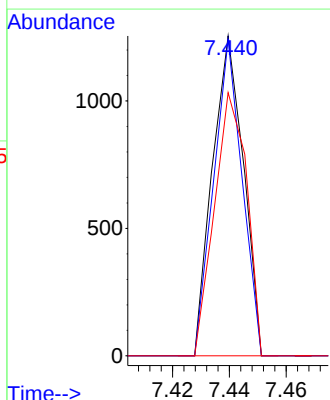
mohammad
7/14/2021 12:15:45 PM



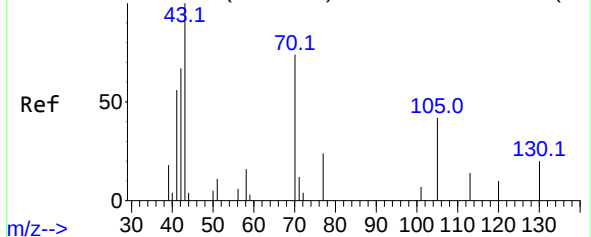
#18
Hexachloroethane
Concen: 4.413 ng
RT: 7.440 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



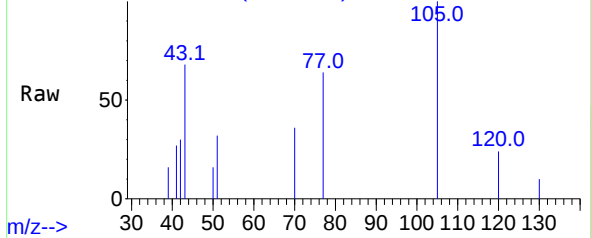
Tgt Ion:	117	Resp:	949
Ion	Ratio	Lower	Upper
117	100		
119	99.0	73.4	110.2
201	82.3	64.9	97.3



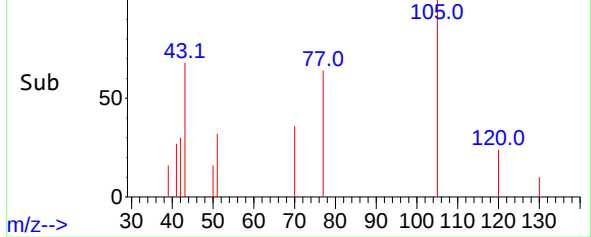
Abundance Scan 894 (7.345 min): BF124537.D\data.ms (-88



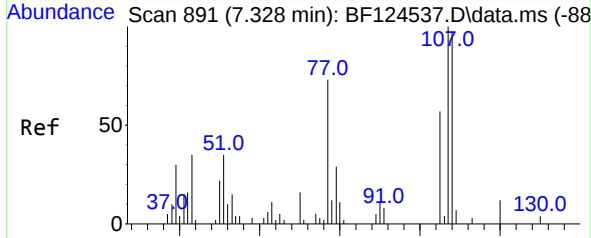
m/z--> Scan 891 (7.328 min): BF124548.D\data.ms



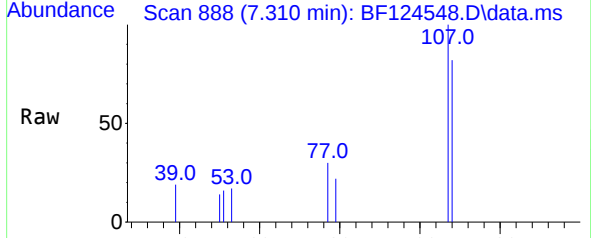
m/z--> Scan 891 (7.328 min): BF124548.D\data.ms (-84



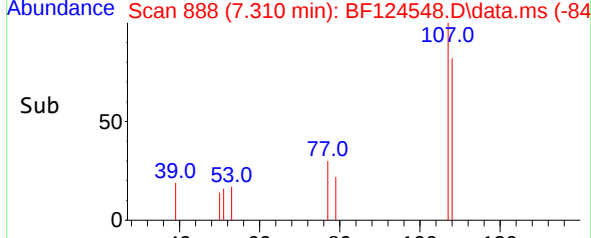
m/z--> Scan 891 (7.328 min): BF124537.D\data.ms (-88



m/z--> Scan 888 (7.310 min): BF124548.D\data.ms



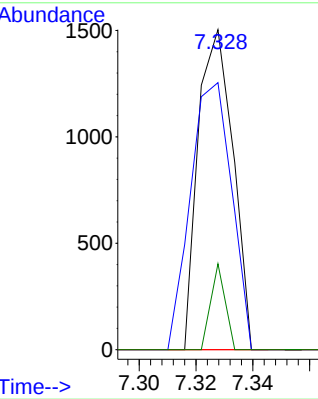
m/z--> Scan 888 (7.310 min): BF124548.D\data.ms (-84



m/z-->

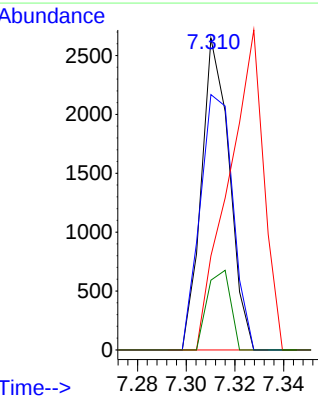
#19
n-Nitroso-di-n-propylamine
Concen: 4.107 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.017 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion:	70	Resp:	1280
Ion	Ratio	Lower	Upper
70	100		
42	83.4	72.2	108.2
101	0.0	7.8	11.8#
130	26.9	21.8	32.6



#20
3+4-Methylphenols
Concen: 4.286 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.017 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion:	107	Resp:	2110
Ion	Ratio	Lower	Upper
107	100		
108	81.9	76.6	116.6
77	30.2	53.3	93.3#
79	22.4	8.7	48.7



Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations
APPROVED

mohammad
7/14/2021 12:15:45 PM



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1041
Delta R.T. 0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

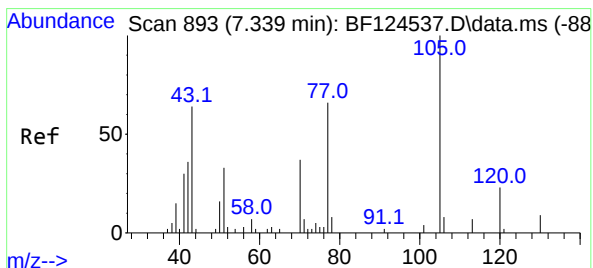
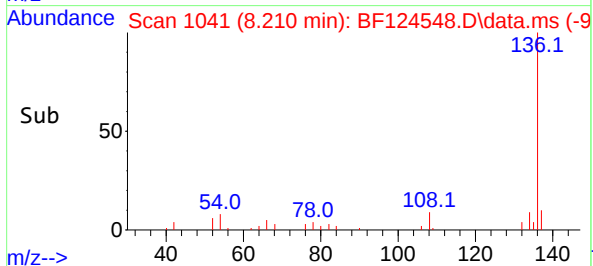
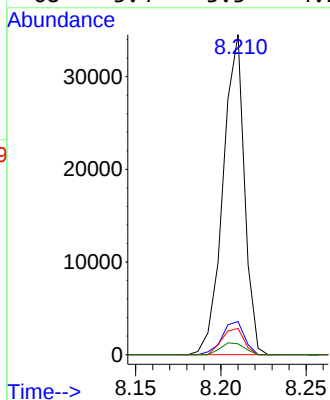
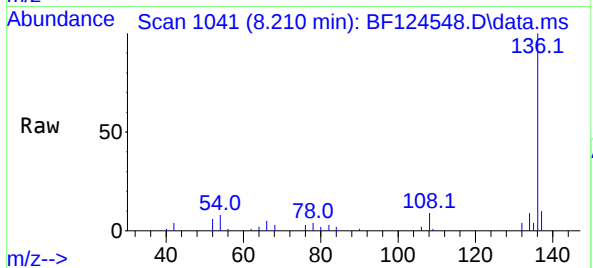
Tgt Ion:136 Resp: 30057

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.8	14.6
54	8.2	6.4	9.6
68	3.4	3.3	4.9

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations
APPROVED

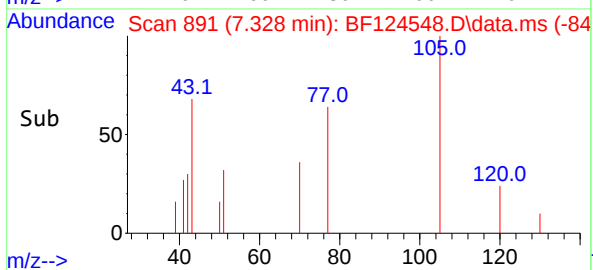
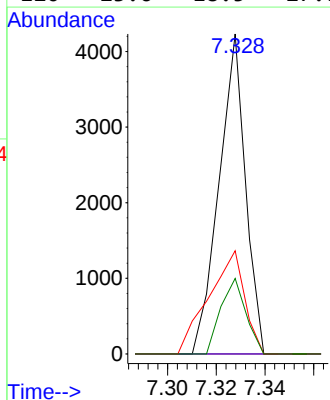
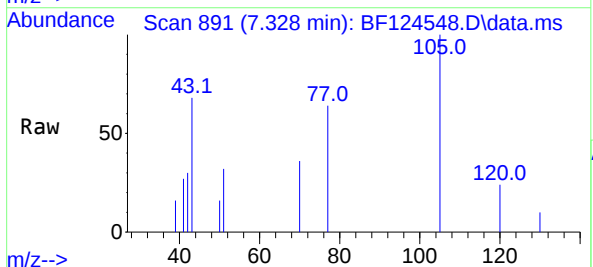
mohammad
7/14/2021 12:15:45 PM

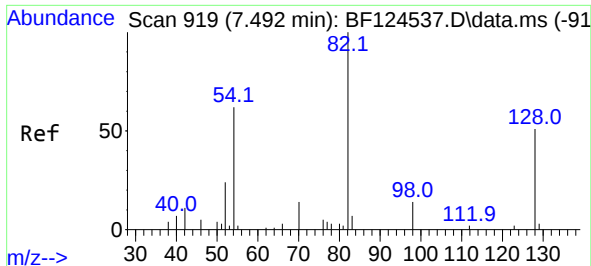


#22
Acetophenone
Concen: 4.675 ng
RT: 7.328 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion:105 Resp: 3189

Ion	Ratio	Lower	Upper
105	100		
71	0.0	5.5	8.3#
51	32.2	26.0	39.0
120	23.6	18.5	27.7





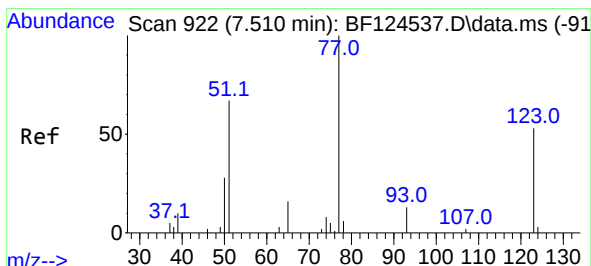
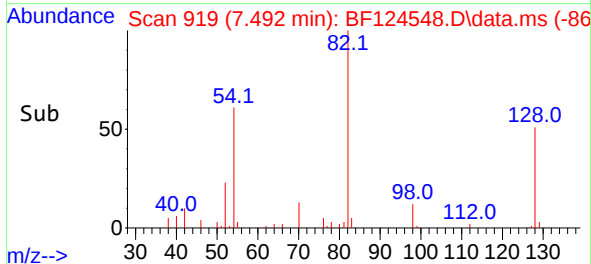
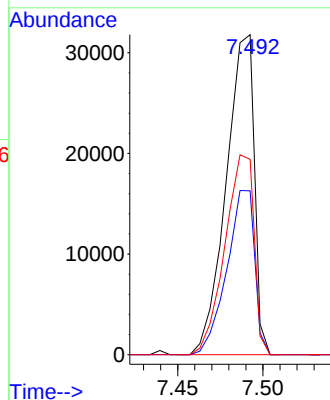
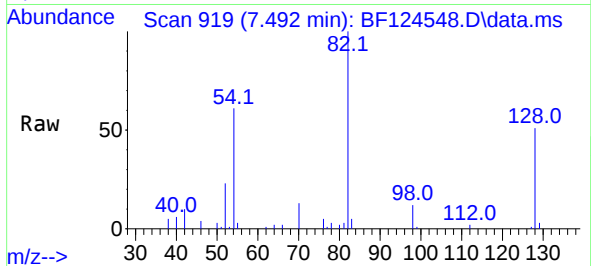
#23
Nitrobenzene-d5
Concen: 76.766 ng
RT: 7.492 min Scan# 919
Delta R.T. 0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion:	82	Resp:	36551
Ion	Ratio	Lower	Upper
82	100		
128	51.2	40.6	60.8
54	61.1	49.6	74.4

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

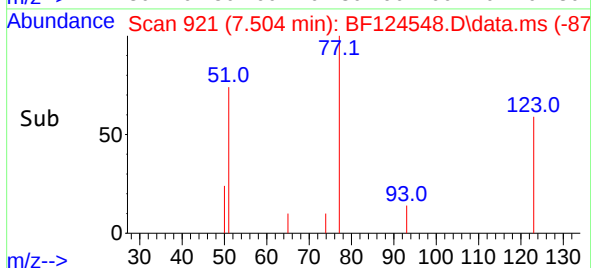
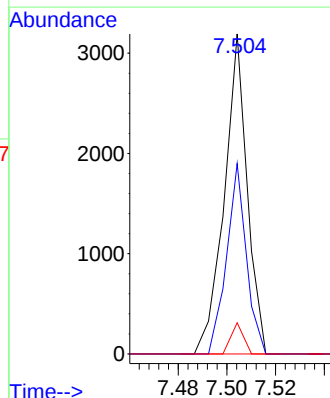
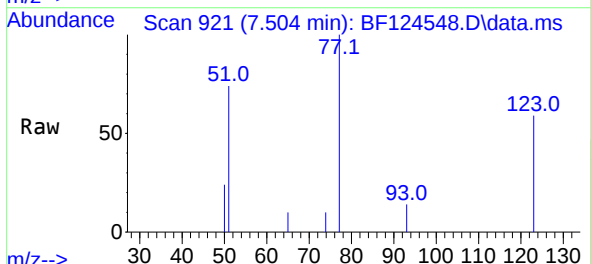
Manual Integrations
APPROVED

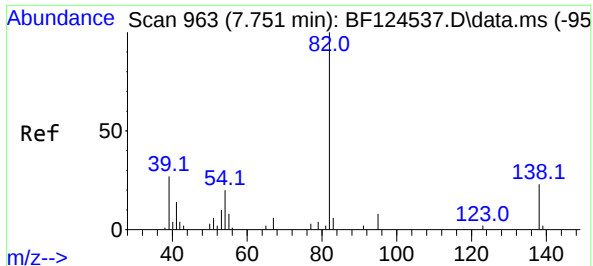
mohammad
7/14/2021 12:15:45 PM



#24
Nitrobenzene
Concen: 4.418 ng
RT: 7.504 min Scan# 921
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion:	77	Resp:	2086
Ion	Ratio	Lower	Upper
77	100		
123	59.5	42.3	63.5
65	9.7	12.4	18.6#





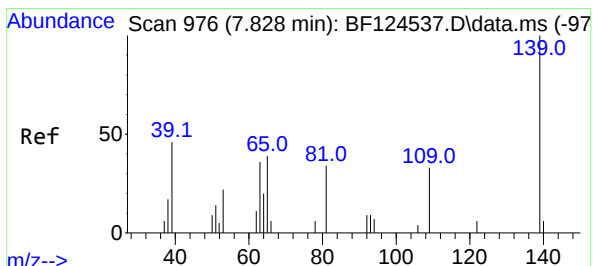
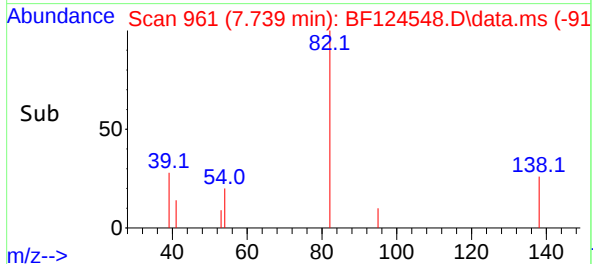
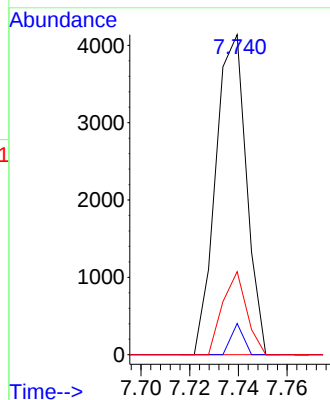
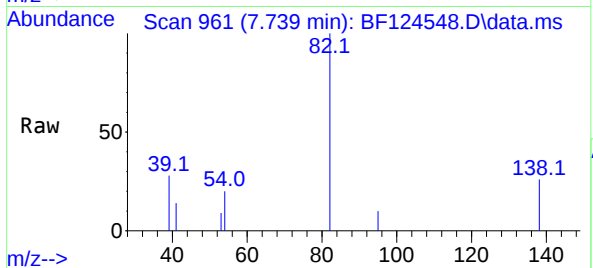
#25
Isophorone
Concen: 4.152 ng
RT: 7.739 min Scan# 961
Delta R.T. -0.012 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion: 82 Resp: 3629
Ion Ratio Lower Upper
82 100
95 9.8 6.5 9.7#
138 25.9 18.4 27.6

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

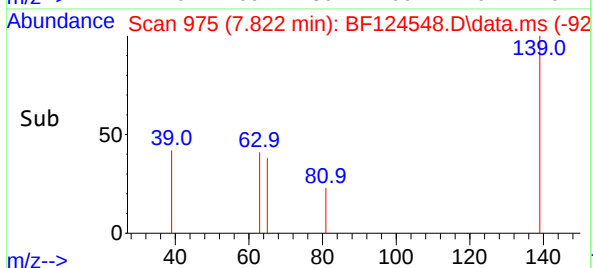
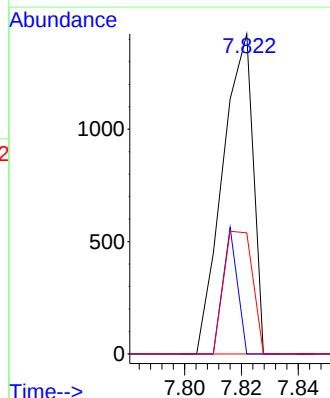
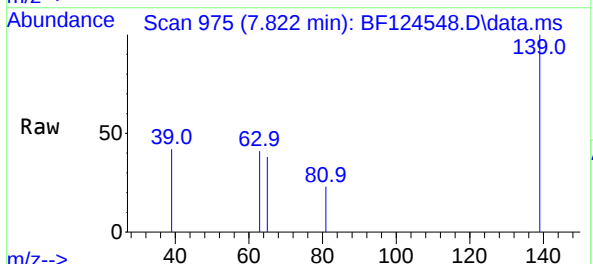
Manual Integrations
APPROVED

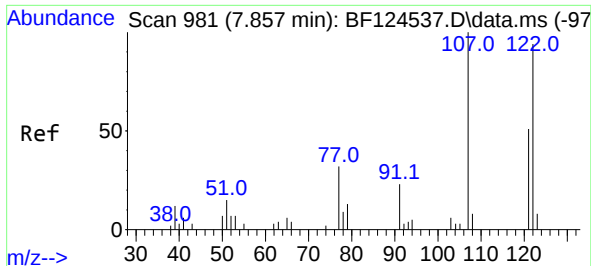
mohammad
7/14/2021 12:15:45 PM



#26
2-Nitrophenol
Concen: 4.166 ng
RT: 7.822 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion: 139 Resp: 1061
Ion Ratio Lower Upper
139 100
109 0.0 26.0 39.0#
65 37.9 31.0 46.4





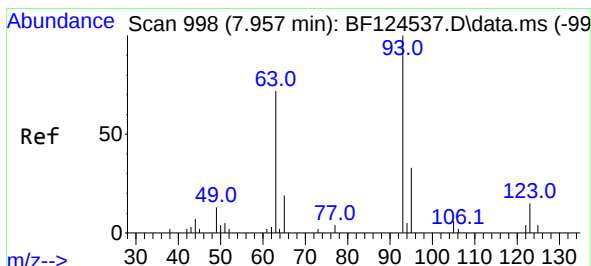
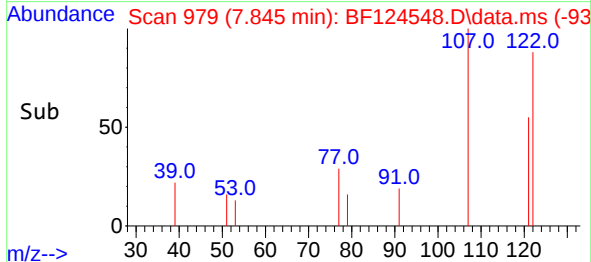
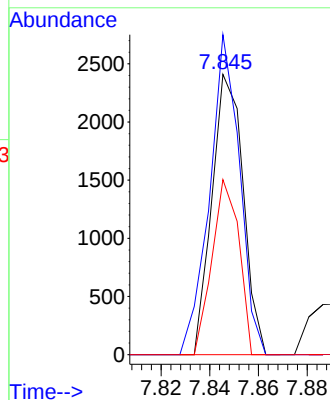
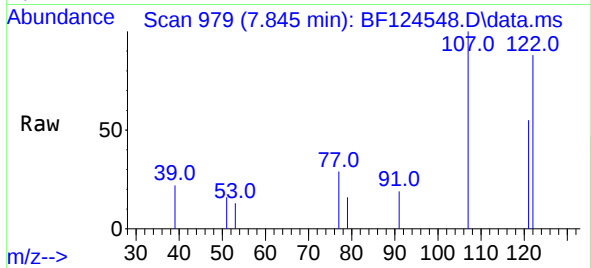
#27
2,4-Dimethylphenol
Concen: 5.080 ng
RT: 7.845 min Scan# 979
Delta R.T. -0.012 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion:	122	Resp:	2144
Ion	Ratio	Lower	Upper
122	100		
107	114.1	85.0	127.6
121	62.4	43.3	64.9

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

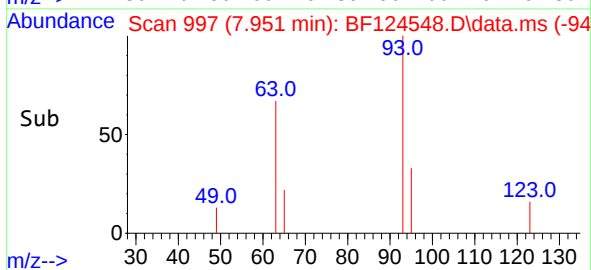
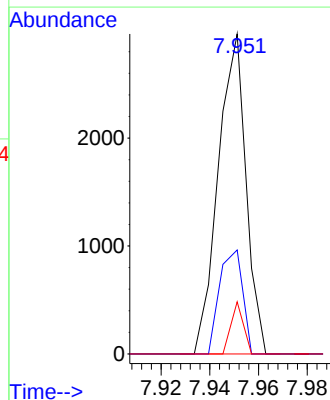
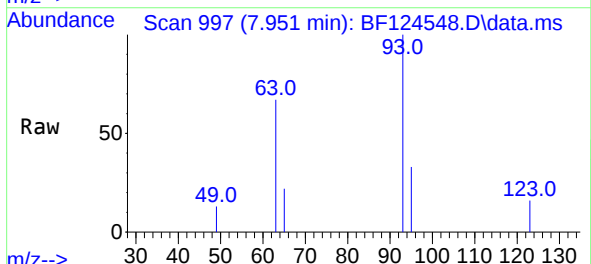
Manual Integrations
APPROVED

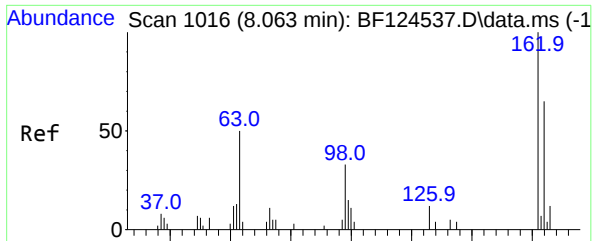
mohammad
7/14/2021 12:15:45 PM



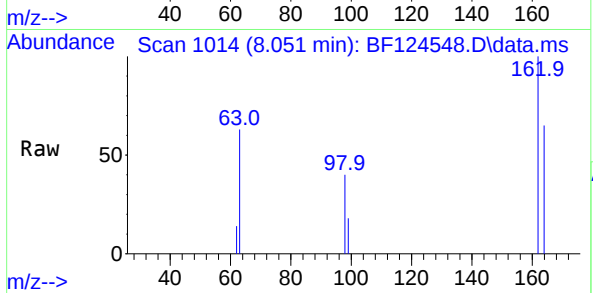
#28
bis(2-Chloroethoxy)methane
Concen: 4.603 ng
RT: 7.951 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion:	93	Resp:	2347
Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.1	39.1
123	16.3	11.7	17.5

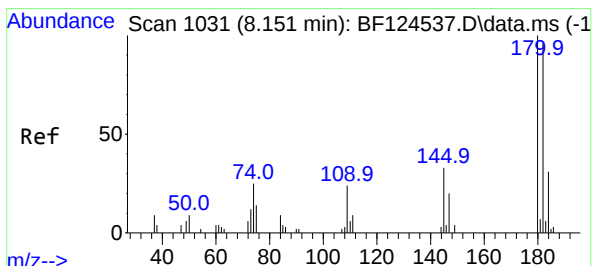
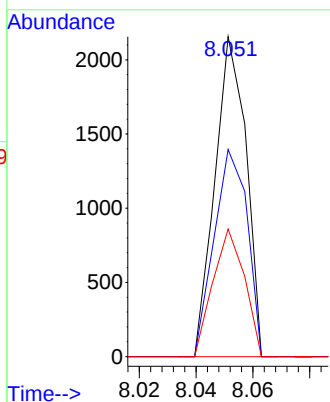
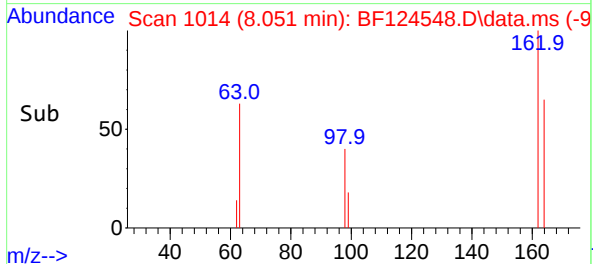




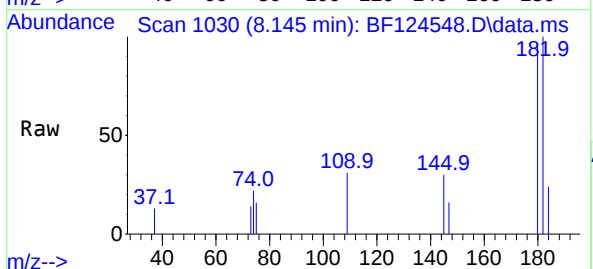
#29
2,4-Dichlorophenol
Concen: 3.777 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



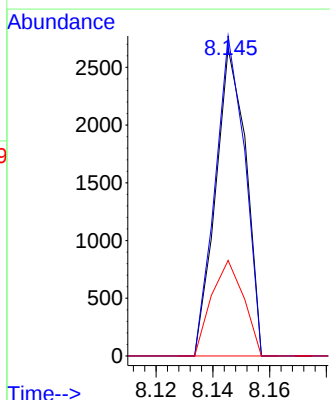
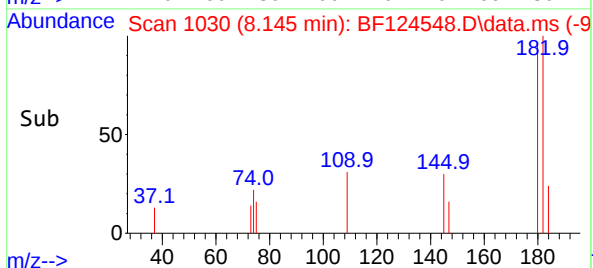
Tgt Ion:162 Resp: 1644
Ion Ratio Lower Upper
162 100
164 64.7 44.5 84.5
98 39.9 13.0 53.0



#30
1,2,4-Trichlorobenzene
Concen: 4.098 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



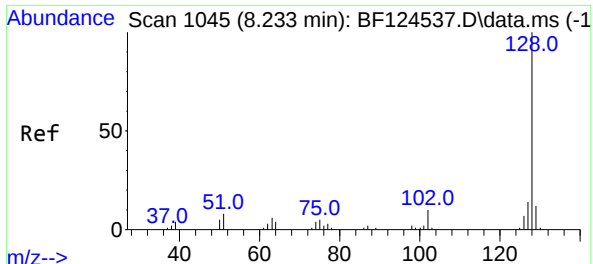
Tgt Ion:180 Resp: 1974
Ion Ratio Lower Upper
180 100
182 103.9 76.8 115.2
145 31.0 26.7 40.1



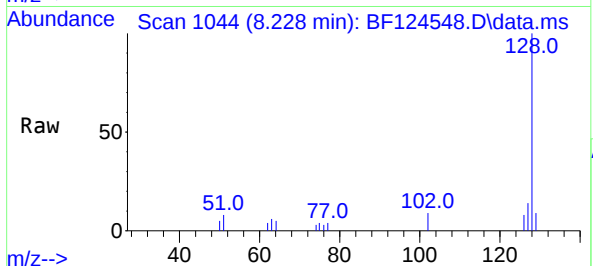
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations
APPROVED

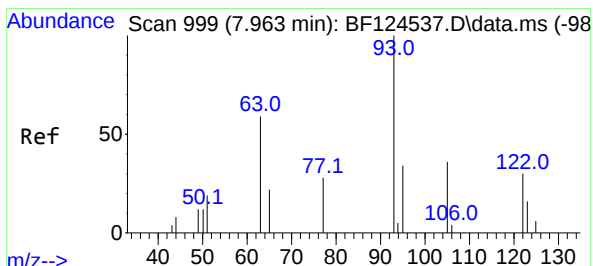
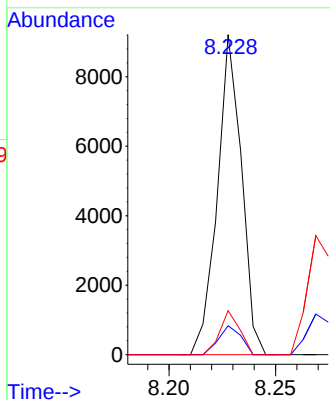
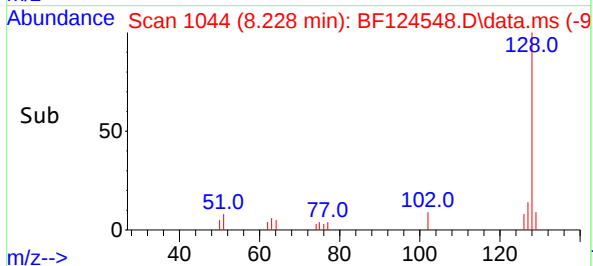
mohammad
7/14/2021 12:15:45 PM



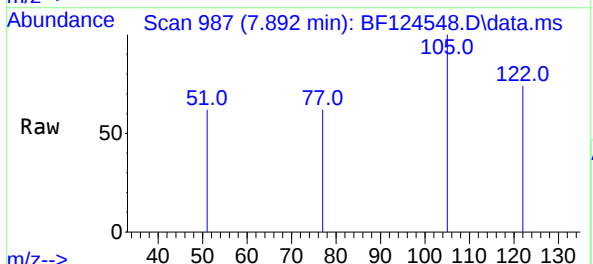
#31
Naphthalene
Concen: 4.673 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



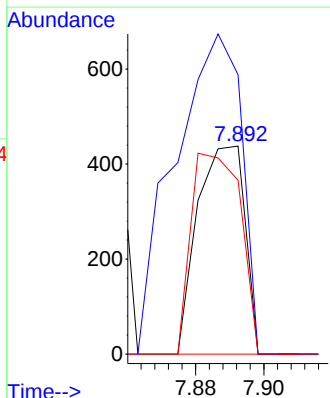
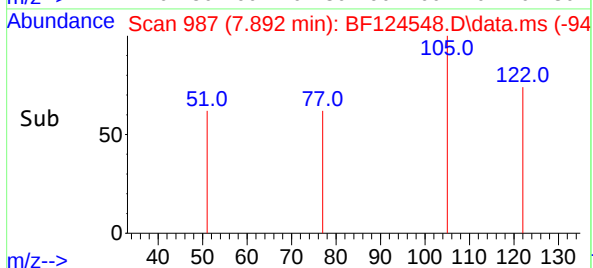
Tgt Ion:128 Resp: 7265
Ion Ratio Lower Upper
128 100
129 9.1 9.4 14.0#
127 13.8 10.9 16.3



#32
Benzoic acid
Concen: 1.431 ng
RT: 7.892 min Scan# 987
Delta R.T. -0.071 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



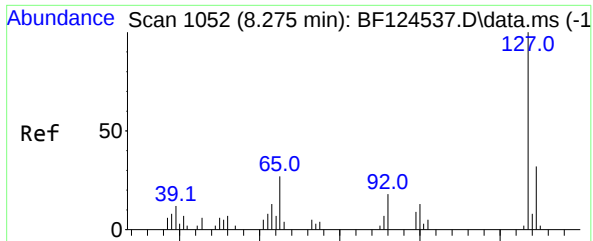
Tgt Ion:122 Resp: 421
Ion Ratio Lower Upper
122 100
105 134.2 97.6 137.6
77 83.6 59.6 99.6



Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

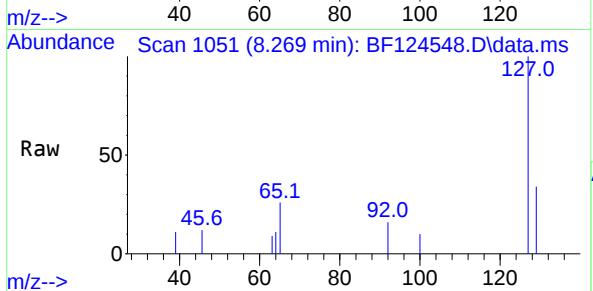
Manual Integrations
APPROVED

mohammad
7/14/2021 12:15:45 PM



#33
4-Chloroaniline
Concen: 4.795 ng
RT: 8.269 min Scan# 1051
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

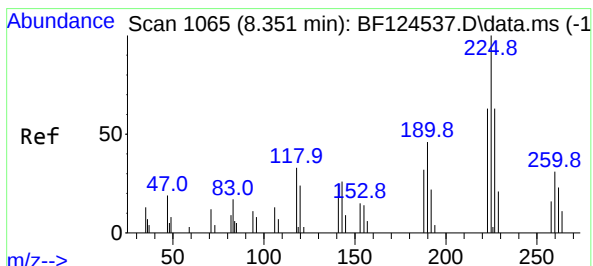
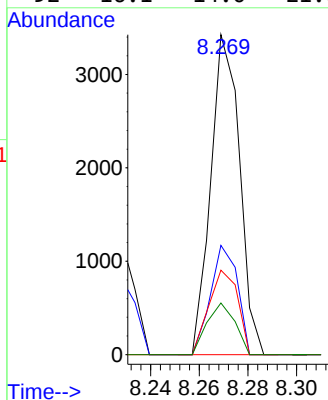
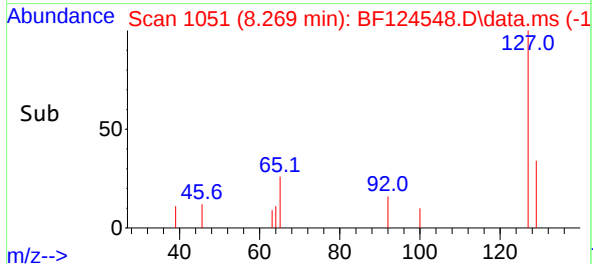
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021



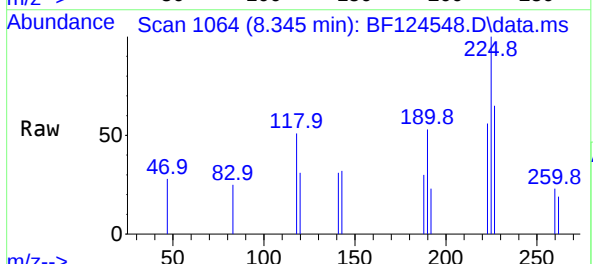
Tgt Ion:	127	Resp:	2817
Ion	Ratio	Lower	Upper
127	100		
129	34.2	25.7	38.5
65	26.4	21.2	31.8
92	16.1	14.0	21.0

Manual Integrations
APPROVED

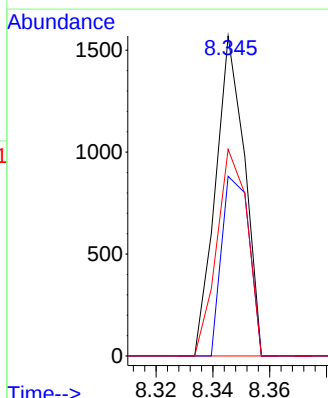
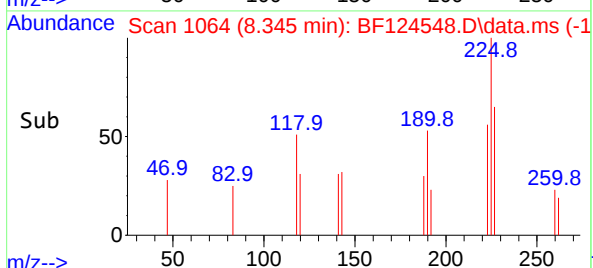
mohammad
7/14/2021 12:15:45 PM

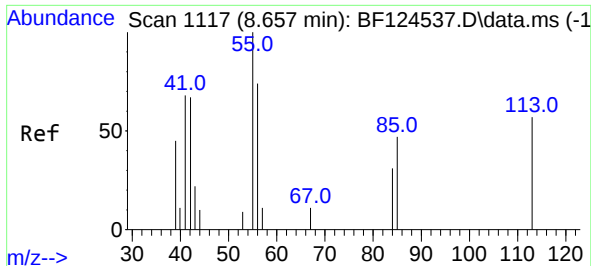


#34
Hexachlorobutadiene
Concen: 4.093 ng
RT: 8.345 min Scan# 1064
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



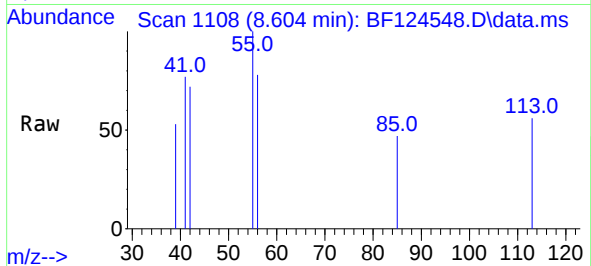
Tgt Ion:	225	Resp:	1113
Ion	Ratio	Lower	Upper
225	100		
223	56.2	50.6	76.0
227	64.6	50.6	75.8





#35
Caprolactam
Concen: 3.351 ng
RT: 8.604 min Scan# 1108
Delta R.T. -0.053 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

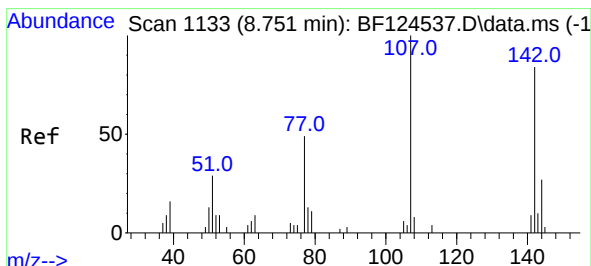
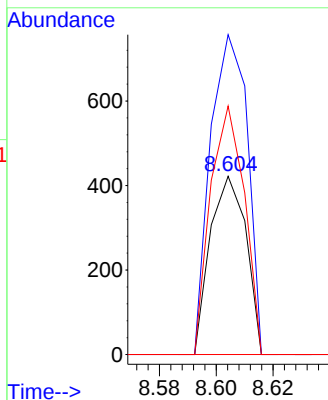
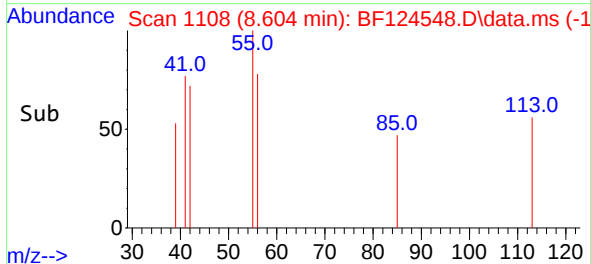
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021



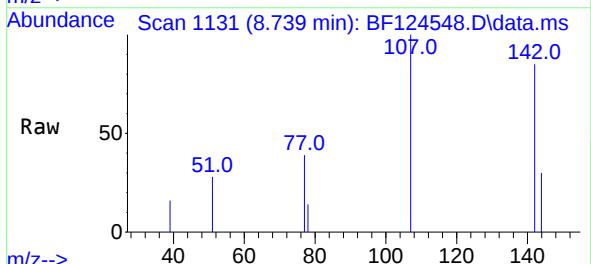
Tgt Ion:113 Resp: 369
Ion Ratio Lower Upper
113 100
55 179.4 154.1 194.1
56 139.3 108.7 148.7

Manual Integrations
APPROVED

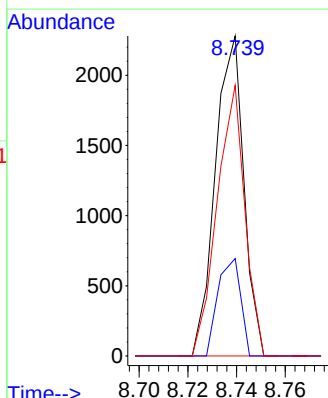
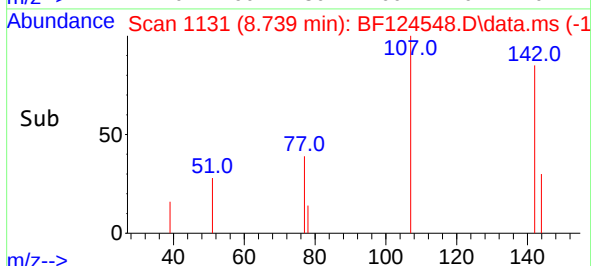
mohammad
7/14/2021 12:15:45 PM

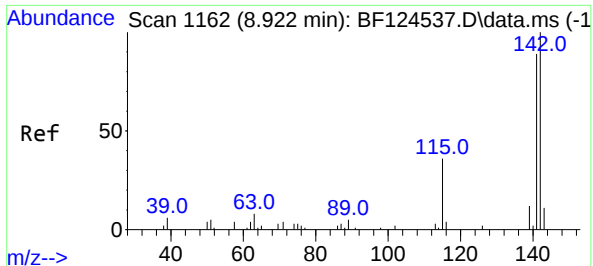


#36
4-Chloro-3-methylphenol
Concen: 4.296 ng
RT: 8.739 min Scan# 1131
Delta R.T. -0.012 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



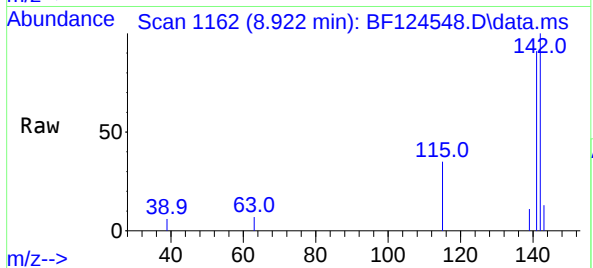
Tgt Ion:107 Resp: 1849
Ion Ratio Lower Upper
107 100
144 30.4 21.9 32.9
142 84.6 67.1 100.7





#37
2-Methylnaphthalene
Concen: 4.604 ng
RT: 8.922 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

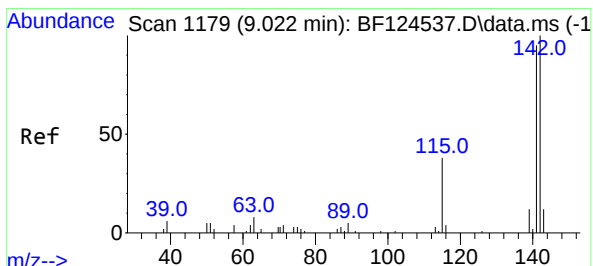
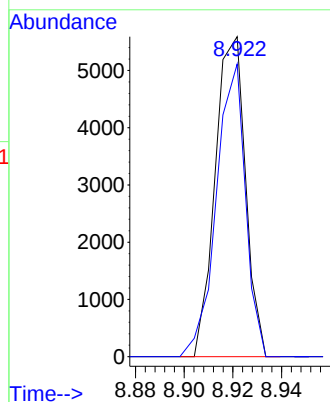
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021



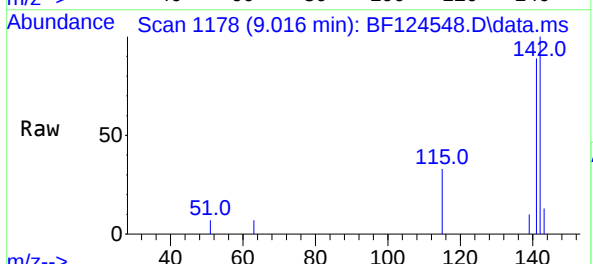
Tgt Ion:142 Resp: 4830
Ion Ratio Lower Upper
142 100
141 91.4 71.2 106.8

Manual Integrations
APPROVED

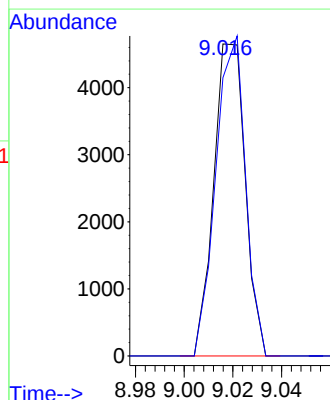
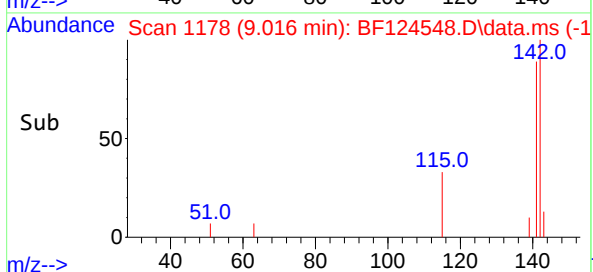
mohammad
7/14/2021 12:15:45 PM

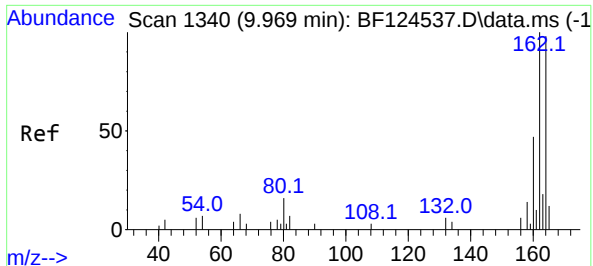


#38
1-Methylnaphthalene
Concen: 4.251 ng
RT: 9.016 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

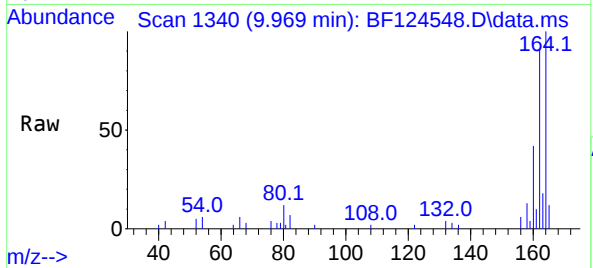


Tgt Ion:142 Resp: 4188
Ion Ratio Lower Upper
142 100
141 89.2 76.0 114.0

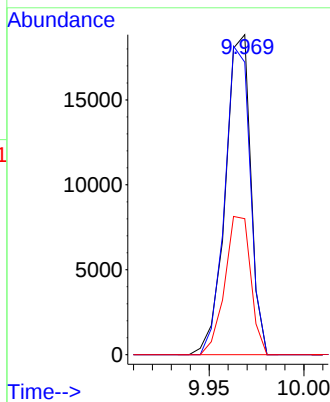
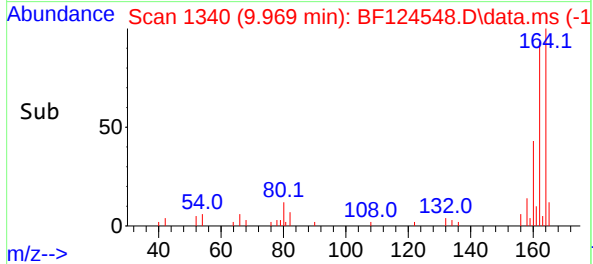




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



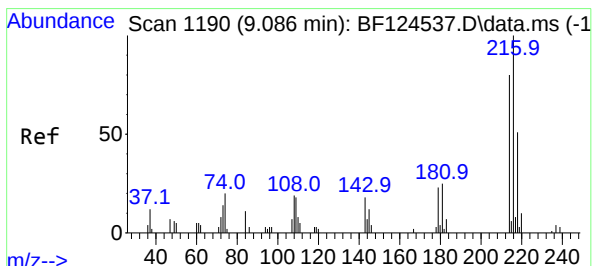
Tgt Ion:164 Resp: 17450
Ion Ratio Lower Upper
164 100
162 91.4 81.3 121.9
160 42.5 38.0 57.0



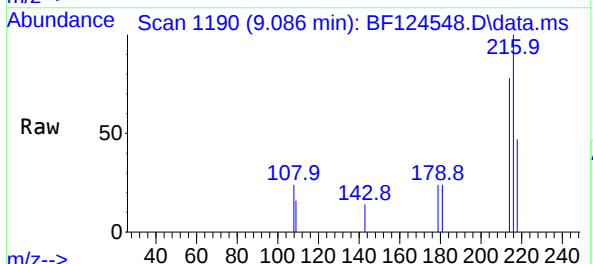
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations
APPROVED

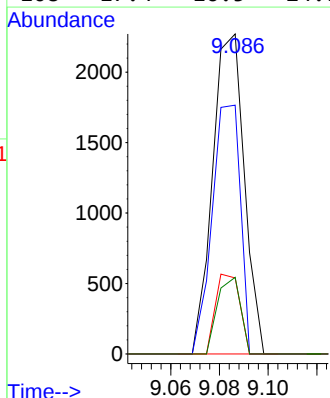
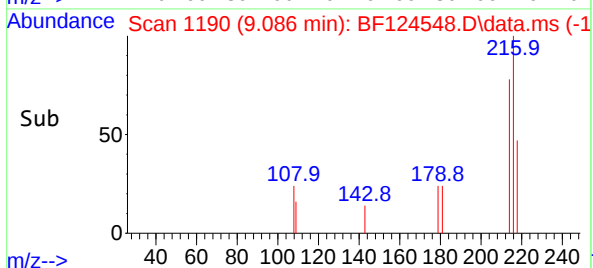
mohammad
7/14/2021 12:15:45 PM

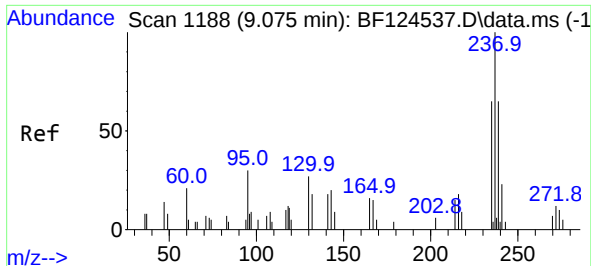


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.415 ng
RT: 9.086 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



Tgt Ion:216 Resp: 2055
Ion Ratio Lower Upper
216 100
214 69.3 64.9 97.3
179 19.0 17.4 26.2
108 17.4 16.5 24.7





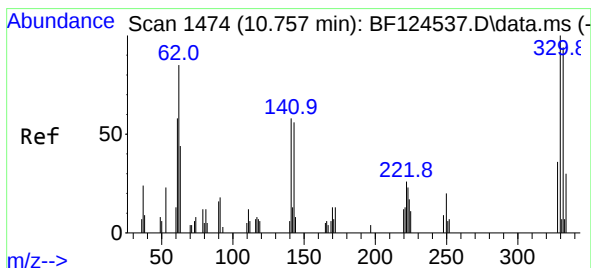
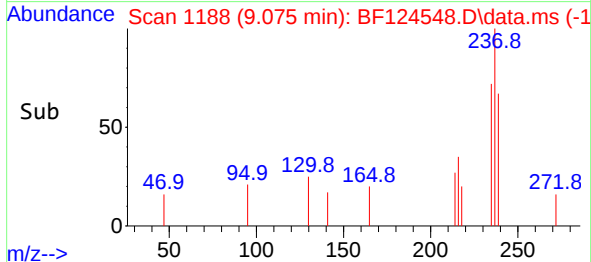
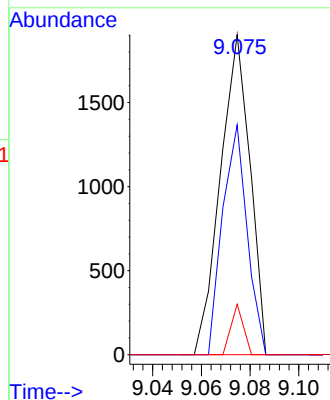
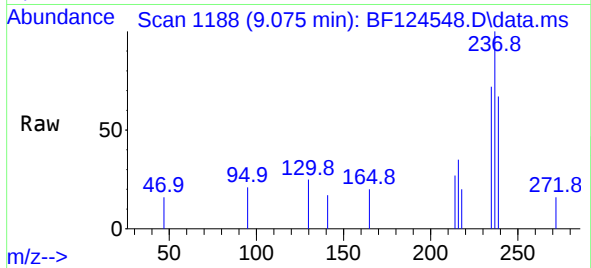
#41
Hexachlorocyclopentadiene
Concen: 5.541 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion:	237	Resp:	1611
Ion Ratio	Lower	Upper	
237	100		
235	71.8	44.7	84.7
272	15.8	0.0	31.6

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

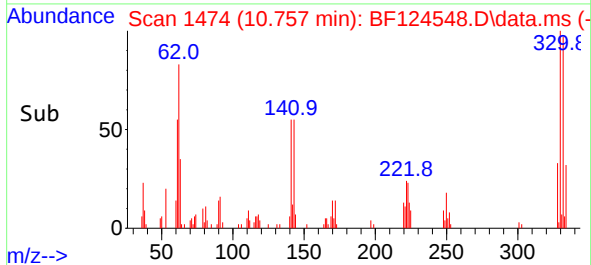
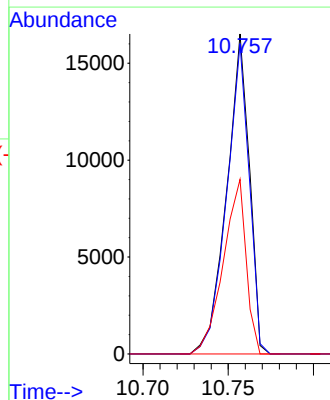
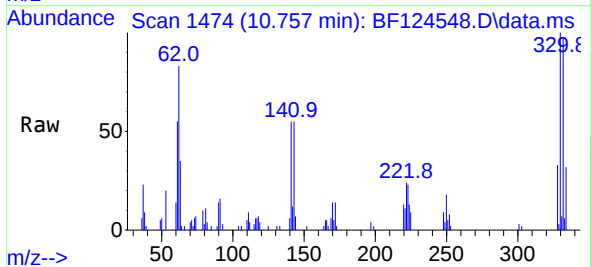
Manual Integrations
APPROVED

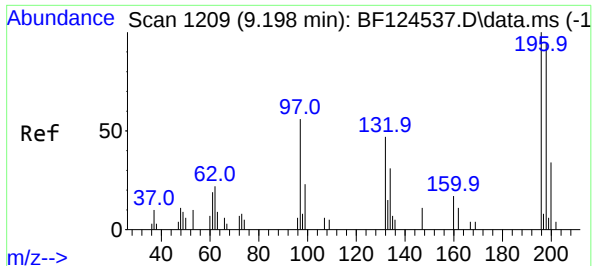
mohammad
7/14/2021 12:15:45 PM



#42
2,4,6-Tribromophenol
Concen: 112.583 ng
RT: 10.757 min Scan# 1474
Delta R.T. -0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

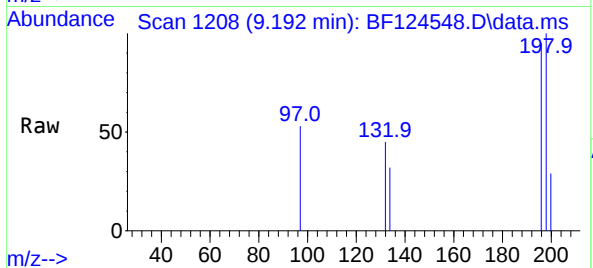
Tgt Ion:	330	Resp:	15288
Ion Ratio	Lower	Upper	
330	100		
332	96.2	76.2	114.4
141	54.9	44.6	66.8





#43
2,4,6-Trichlorophenol
Concen: 3.741 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

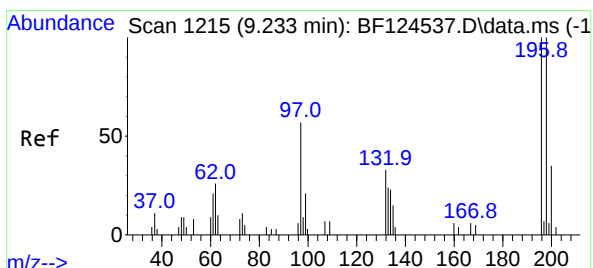
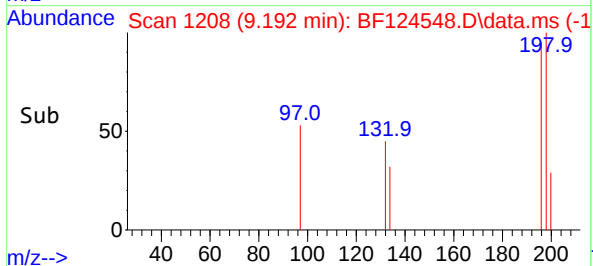
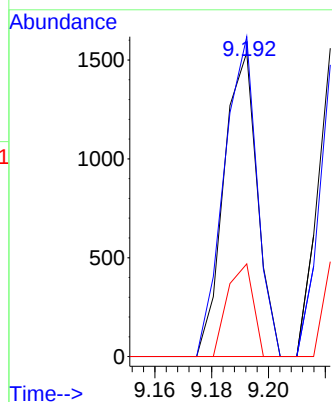
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021



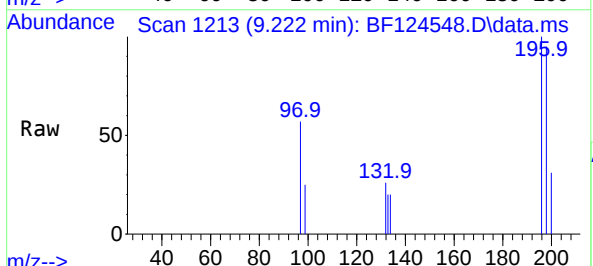
Tgt Ion:196 Resp: 1257
Ion Ratio Lower Upper
196 100
198 105.2 74.9 112.3
200 30.5 27.0 40.4

Manual Integrations
APPROVED

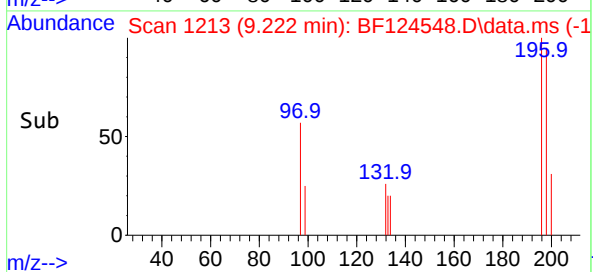
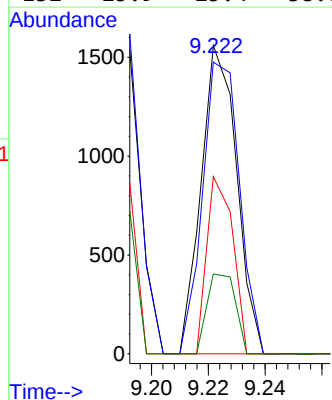
mohammad
7/14/2021 12:15:45 PM

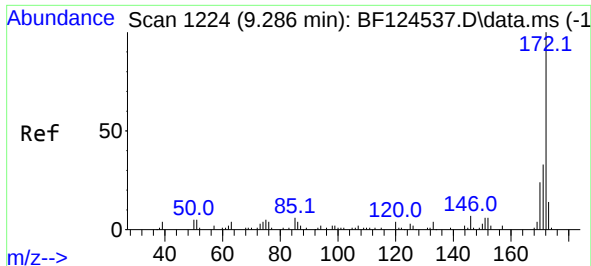


#44
2,4,5-Trichlorophenol
Concen: 3.919 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.011 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



Tgt Ion:196 Resp: 1358
Ion Ratio Lower Upper
196 100
198 94.6 80.2 120.2
97 57.4 44.0 66.0
132 25.9 25.4 38.0





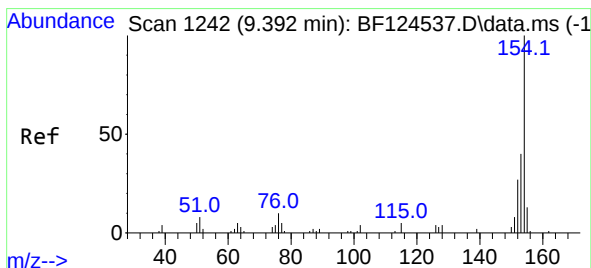
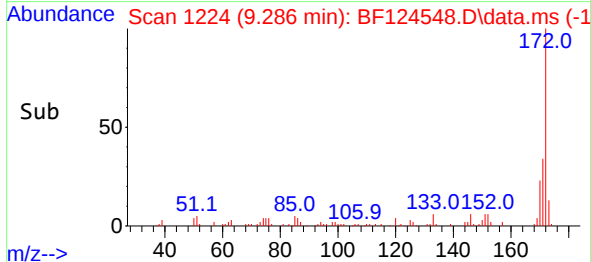
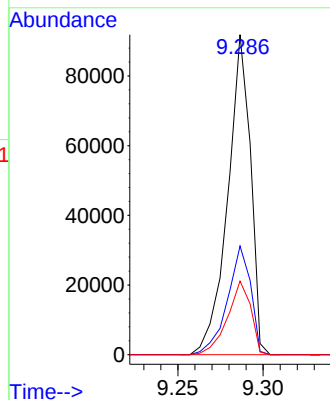
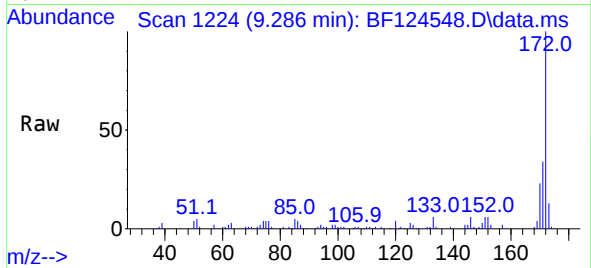
#45
2-Fluorobiphenyl
Concen: 71.043 ng
RT: 9.286 min Scan# 1224
Delta R.T. 0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion:172 Resp: 85014
Ion Ratio Lower Upper
172 100
171 34.0 26.5 39.7
170 23.0 18.8 28.2

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

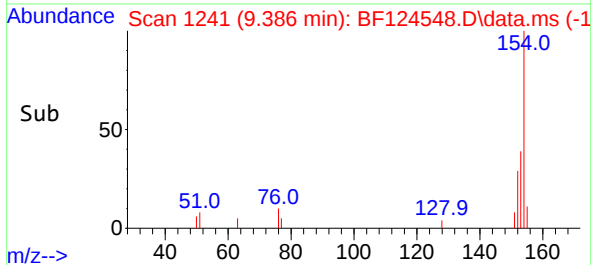
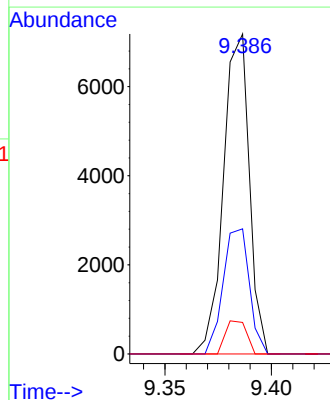
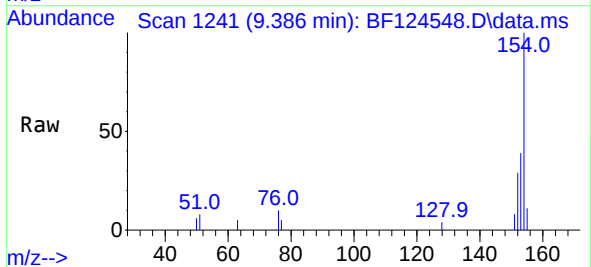
Manual Integrations
APPROVED

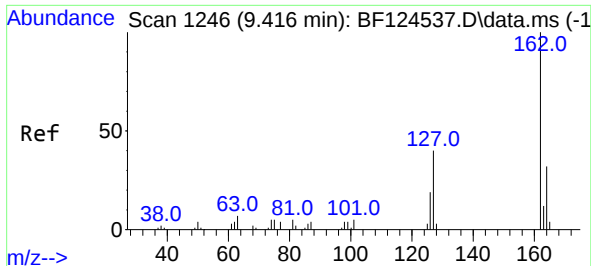
mohammad
7/14/2021 12:15:45 PM



#46
1,1'-Biphenyl
Concen: 4.568 ng
RT: 9.386 min Scan# 1241
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

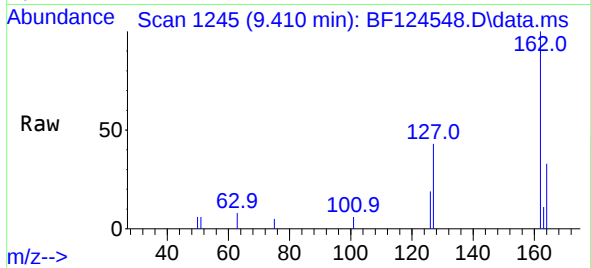
Tgt Ion:154 Resp: 6054
Ion Ratio Lower Upper
154 100
153 39.1 20.0 60.0
76 9.8 0.0 30.3





#47
2-Chloronaphthalene
Concen: 4.337 ng
RT: 9.410 min Scan# 1245
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

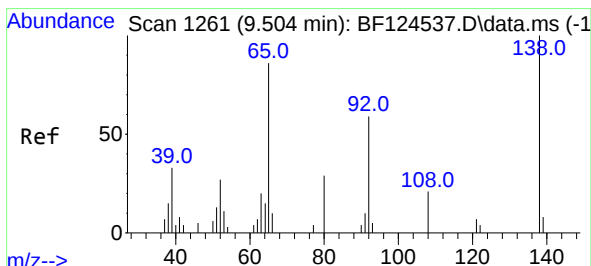
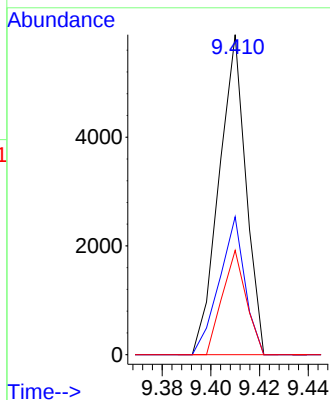
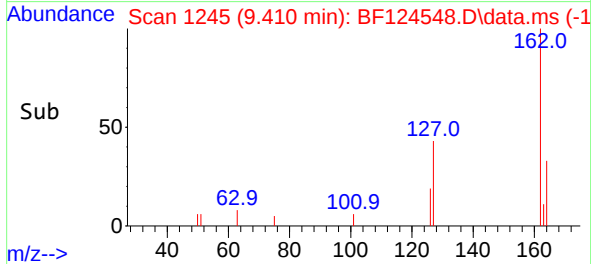
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021



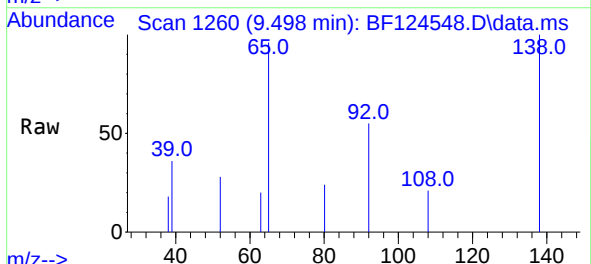
Tgt Ion:162 Resp: 4507
Ion Ratio Lower Upper
162 100
127 43.1 33.0 49.4
164 32.6 25.8 38.8

Manual Integrations
APPROVED

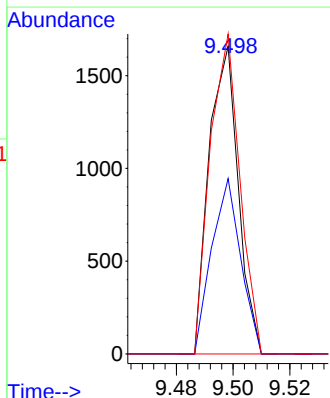
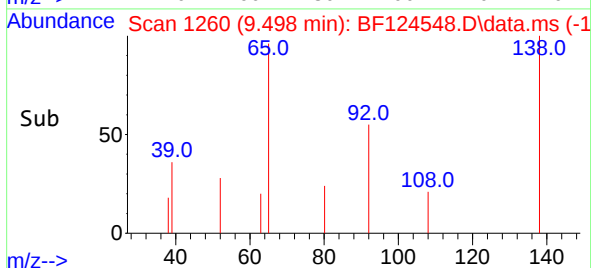
mohammad
7/14/2021 12:15:45 PM

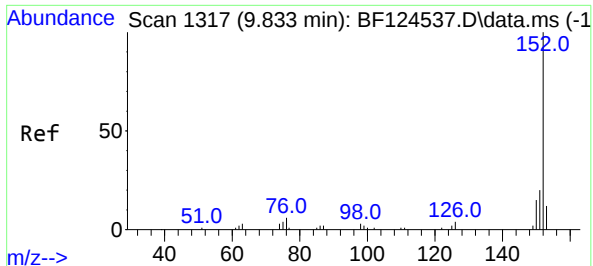


#48
2-Nitroaniline
Concen: 4.738 ng
RT: 9.498 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



Tgt Ion: 65 Resp: 1184
Ion Ratio Lower Upper
65 100
92 57.0 55.5 83.3
138 104.0 93.5 140.3





#49

Acenaphthylene

Concen: 4.321 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF124548.D

Acq: 13 Jul 2021 16:26

Tgt Ion:152	Resp:	7007
Ion Ratio	Lower	Upper
152	100	
151	18.0	15.7 23.5
153	13.1	9.8 14.8

Instrument :

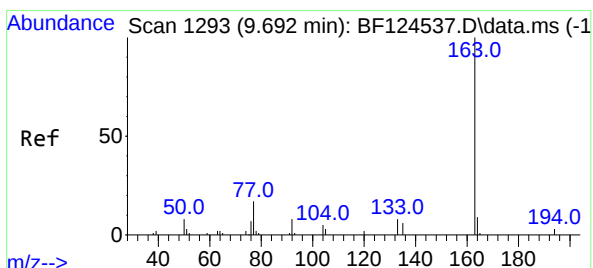
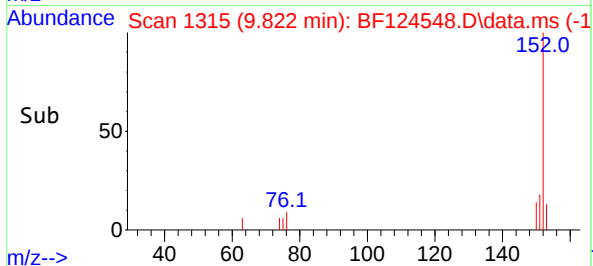
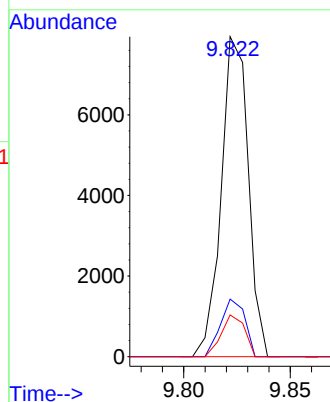
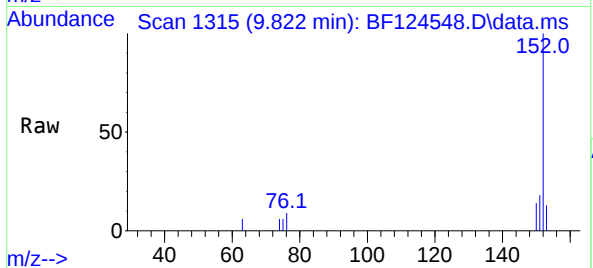
BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2021

Manual Integrations
APPROVED

mohammad
7/14/2021 12:15:45 PM



#50

Dimethylphthalate

Concen: 4.262 ng

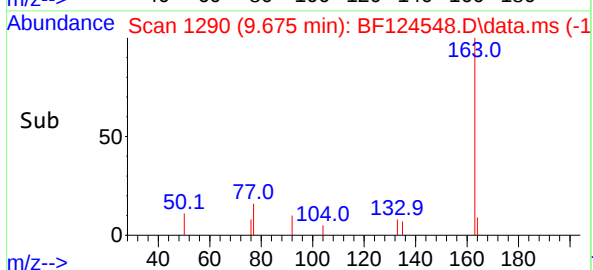
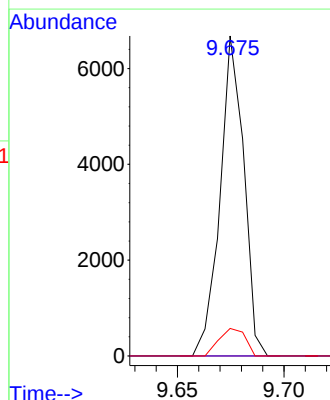
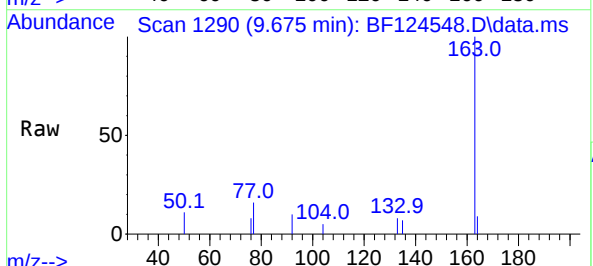
RT: 9.675 min Scan# 1290

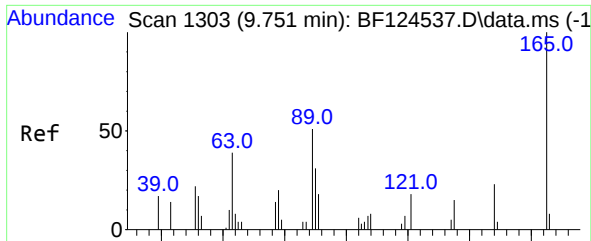
Delta R.T. -0.017 min

Lab File: BF124548.D

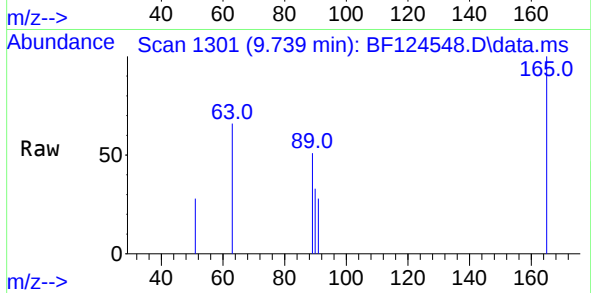
Acq: 13 Jul 2021 16:26

Tgt Ion:163	Resp:	5174
Ion Ratio	Lower	Upper
163	100	
194	0.0	2.6 3.8#
164	8.6	7.4 11.0

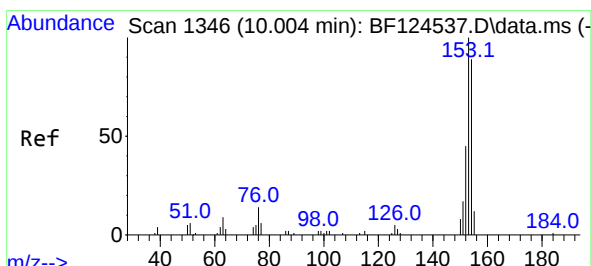
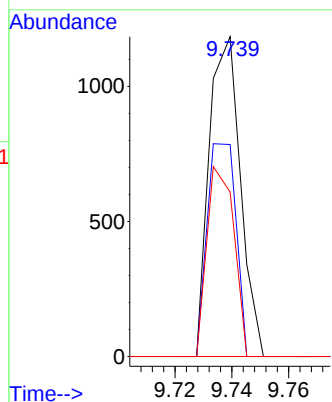
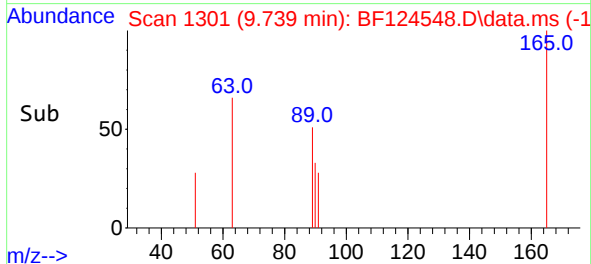




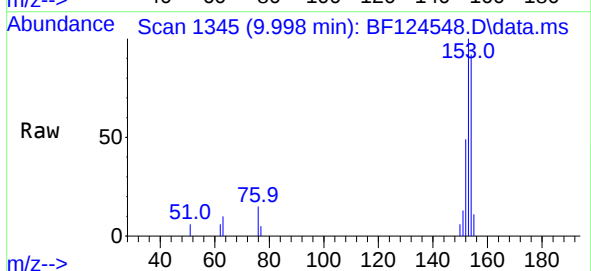
#51
2,6-Dinitrotoluene
Concen: 3.769 ng
RT: 9.739 min Scan# 1301
Delta R.T. -0.012 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



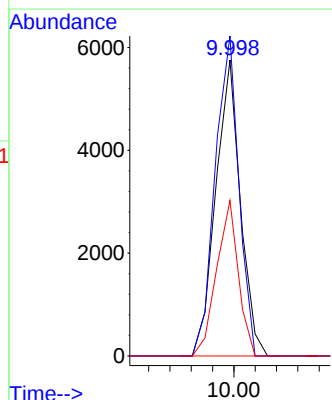
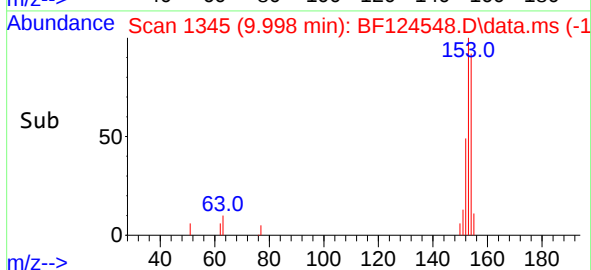
Tgt Ion:165 Resp: 902
Ion Ratio Lower Upper
165 100
63 66.3 42.6 63.8#
89 51.4 40.6 60.8



#52
Acenaphthene
Concen: 4.449 ng
RT: 9.998 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



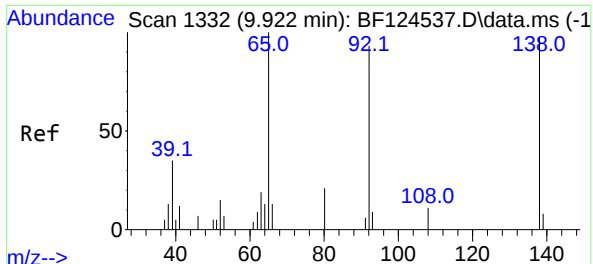
Tgt Ion:154 Resp: 4613
Ion Ratio Lower Upper
154 100
153 108.1 89.4 134.2
152 52.5 40.5 60.7



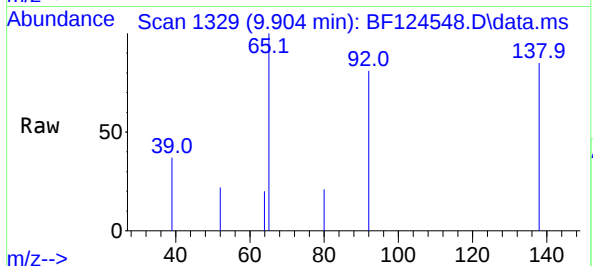
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations
APPROVED

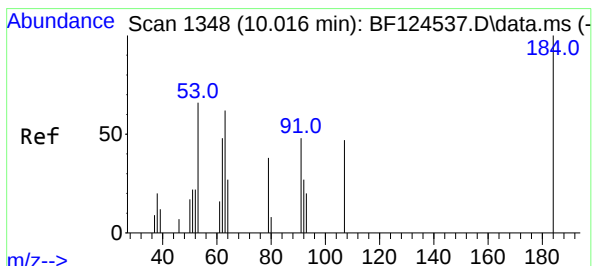
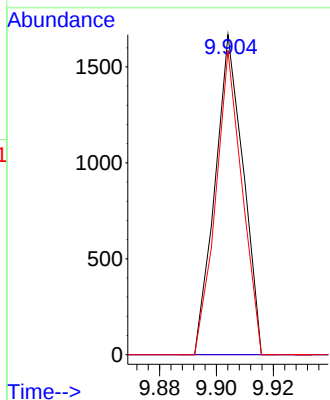
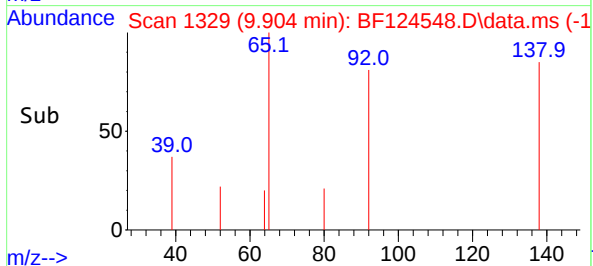
mohammad
7/14/2021 12:15:45 PM



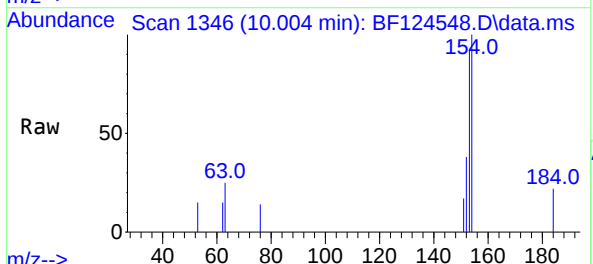
#53
3-Nitroaniline
Concen: 4.291 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.017 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



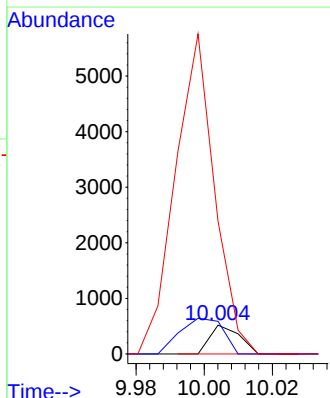
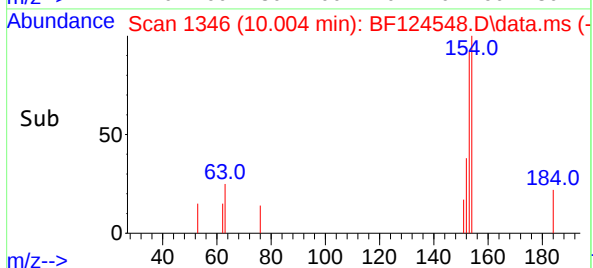
Tgt Ion:138 Resp: 1146
Ion Ratio Lower Upper
138 100
108 0.0 9.3 13.9#
92 95.1 76.5 114.7



#54
2,4-Dinitrophenol
Concen: 2.490 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.012 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



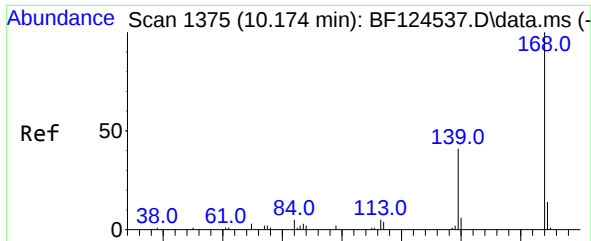
Tgt Ion:184 Resp: 311
Ion Ratio Lower Upper
184 100
63 113.3 59.3 88.9#
154 460.6 68.6 102.8#



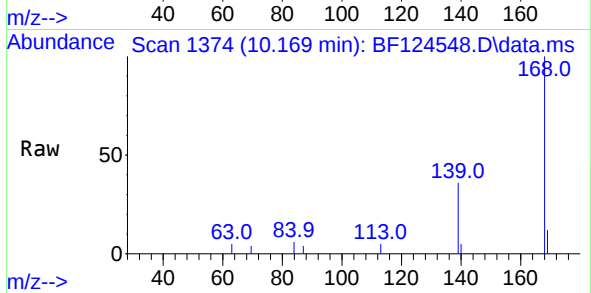
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations
APPROVED

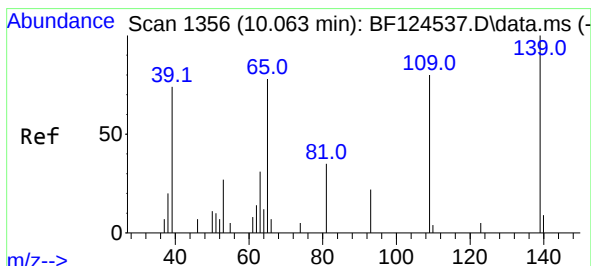
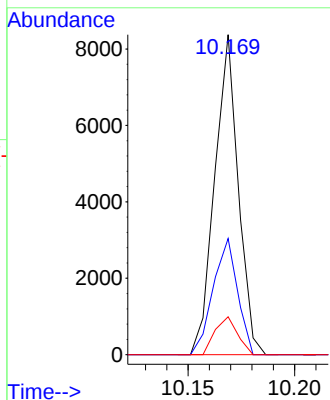
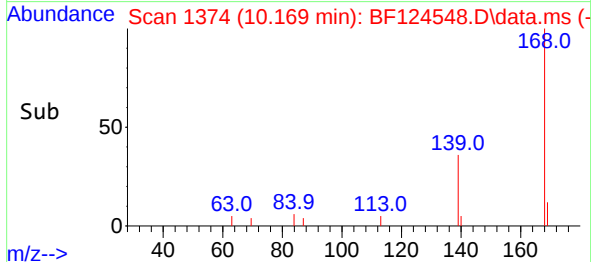
mohammad
7/14/2021 12:15:45 PM



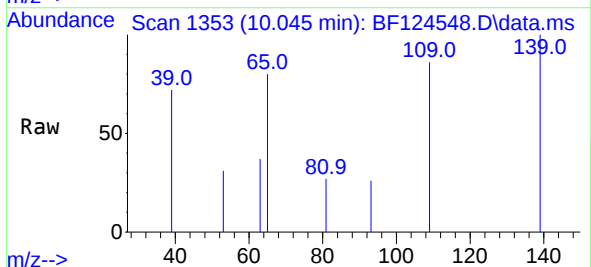
#55
Dibenzofuran
Concen: 4.218 ng
RT: 10.169 min Scan# 1374
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



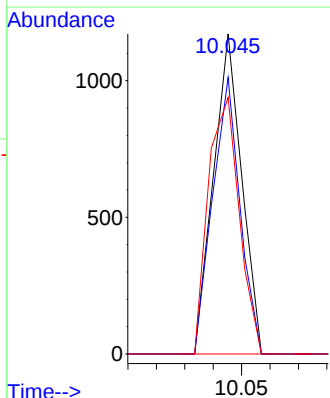
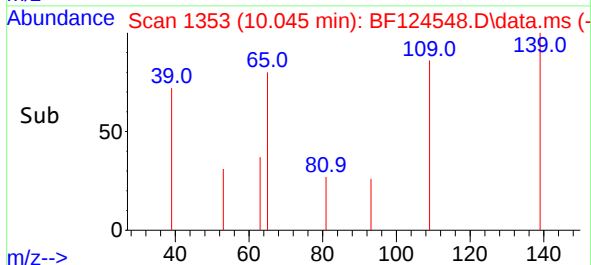
Tgt Ion:168 Resp: 6430
Ion Ratio Lower Upper
168 100
139 36.3 32.7 49.1
169 11.9 11.2 16.8



#56
4-Nitrophenol
Concen: 3.630 ng
RT: 10.045 min Scan# 1353
Delta R.T. -0.017 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



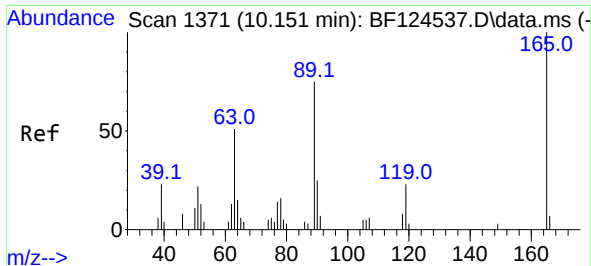
Tgt Ion:139 Resp: 807
Ion Ratio Lower Upper
139 100
109 86.4 60.4 100.4
65 80.2 58.4 98.4



Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

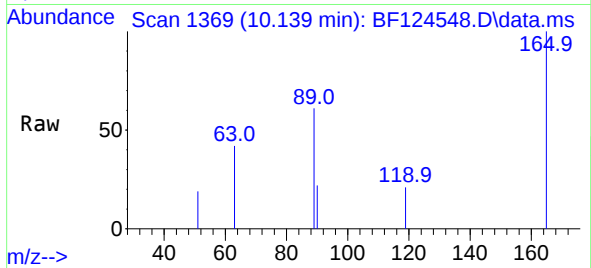
Manual Integrations
APPROVED

mohammad
7/14/2021 12:15:45 PM



#57
2,4-Dinitrotoluene
Concen: 4.035 ng
RT: 10.139 min Scan# 1369
Delta R.T. -0.012 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

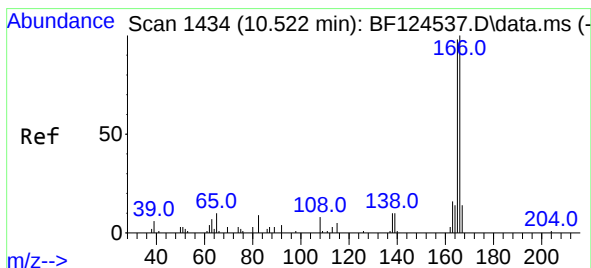
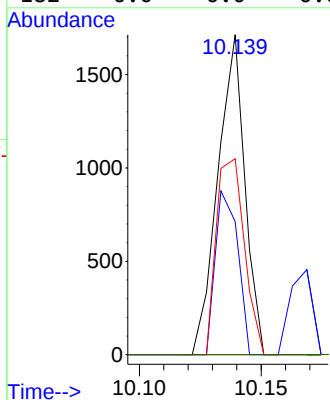
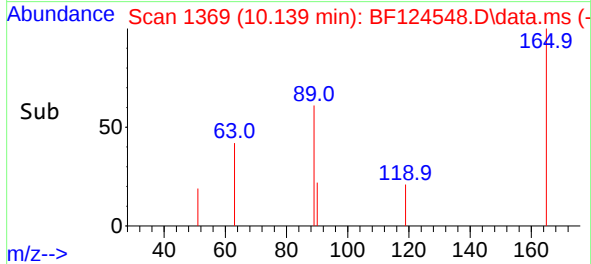
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021



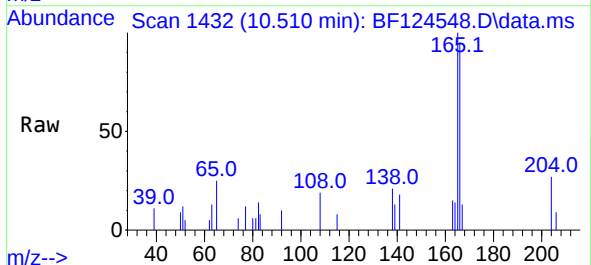
Tgt Ion:165 Resp: 1322
Ion Ratio Lower Upper
165 100
63 41.6 40.9 61.3
89 61.2 59.7 89.5
182 0.0 0.0 0.0

Manual Integrations
APPROVED

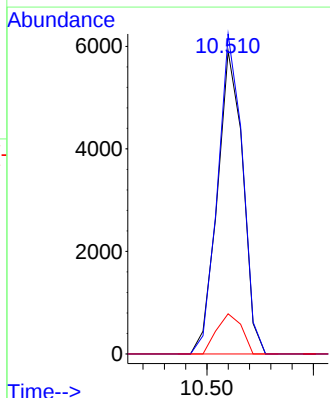
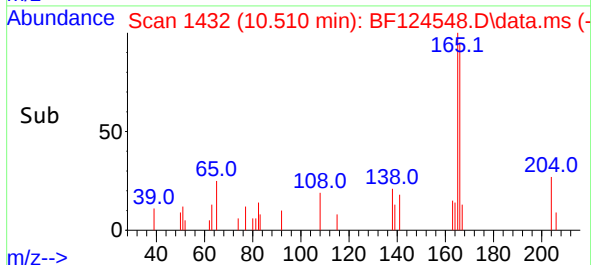
mohammad
7/14/2021 12:15:45 PM

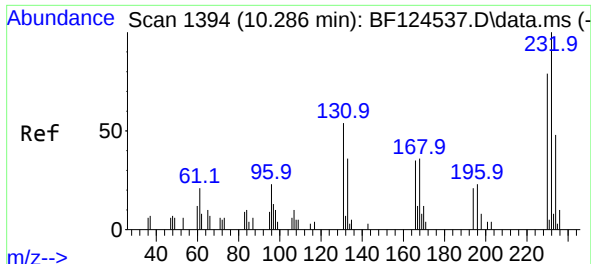


#58
Fluorene
Concen: 4.179 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



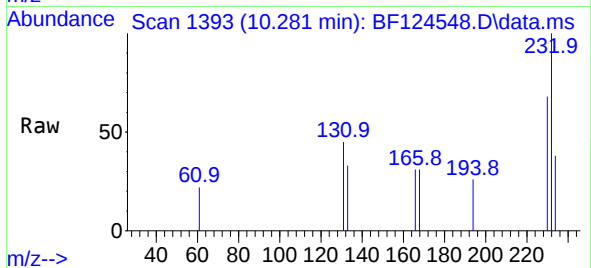
Tgt Ion:166 Resp: 4928
Ion Ratio Lower Upper
166 100
165 105.7 78.1 117.1
167 13.3 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.830 ng
RT: 10.281 min Scan# 1393
Delta R.T. -0.005 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

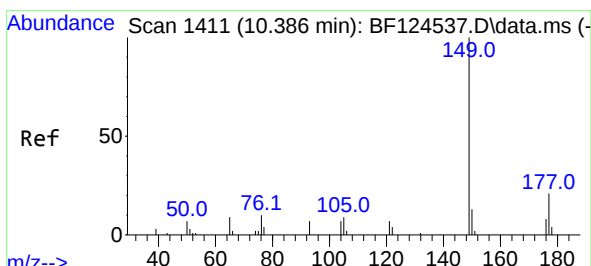
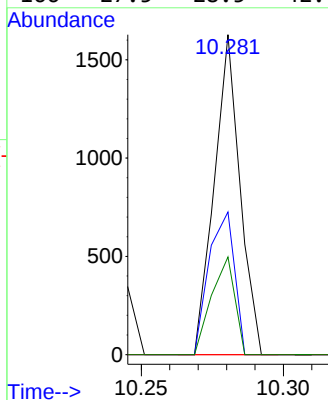
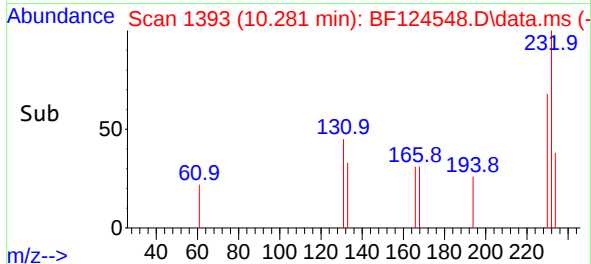
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021



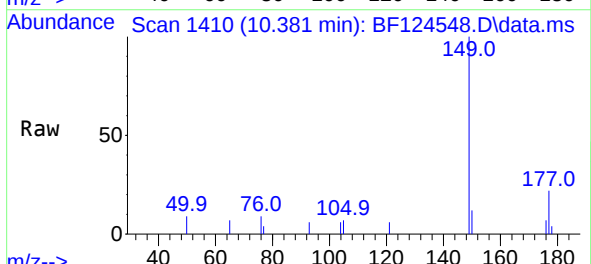
Tgt Ion:232 Resp: 1025
Ion Ratio Lower Upper
232 100
131 44.2 45.4 68.0#
130 0.0 0.0 0.0
166 27.5 28.5 42.7#

Manual Integrations
APPROVED

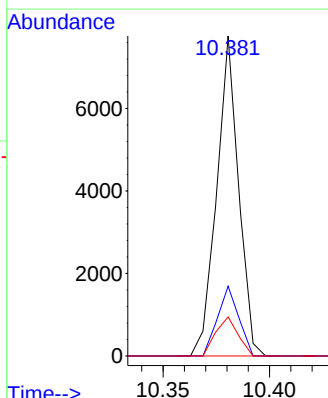
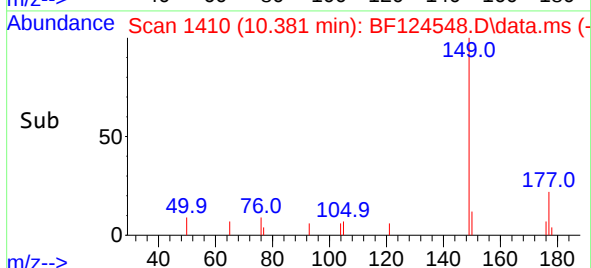
mohammad
7/14/2021 12:15:45 PM

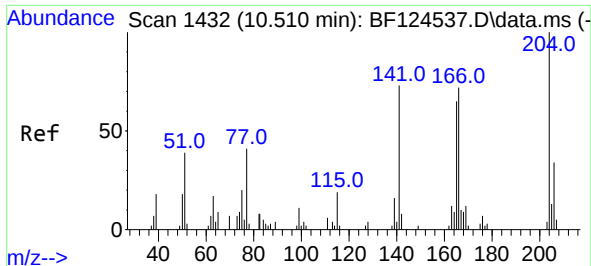


#60
Diethylphthalate
Concen: 4.370 ng
RT: 10.381 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



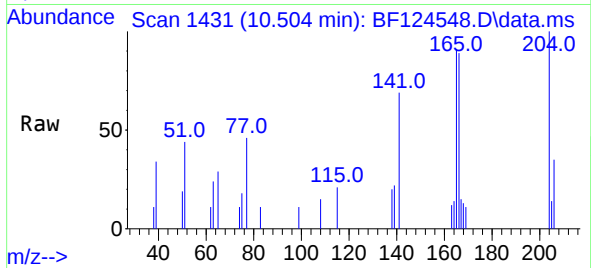
Tgt Ion:149 Resp: 5547
Ion Ratio Lower Upper
149 100
177 21.8 16.5 24.7
150 12.2 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 4.114 ng
RT: 10.504 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

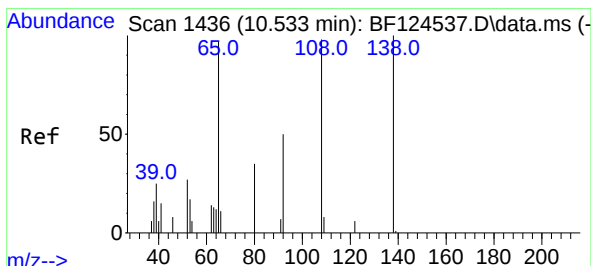
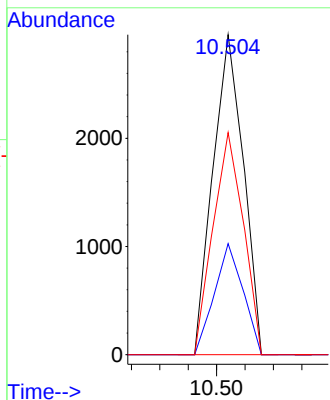
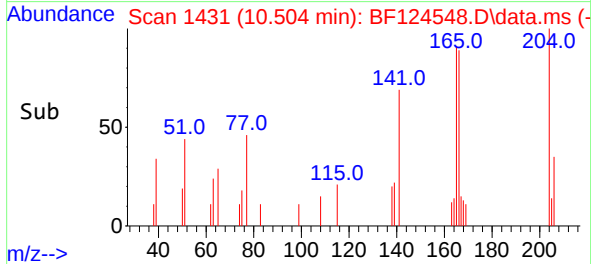
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021



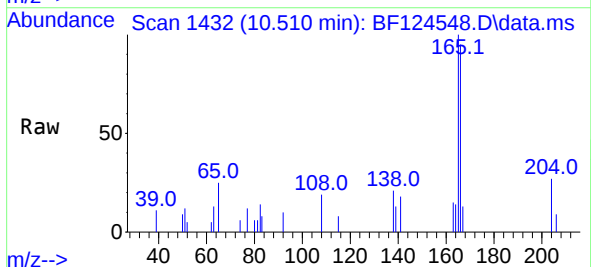
Tgt Ion:204 Resp: 2202
Ion Ratio Lower Upper
204 100
206 34.7 27.6 41.4
141 69.4 58.6 88.0

Manual Integrations
APPROVED

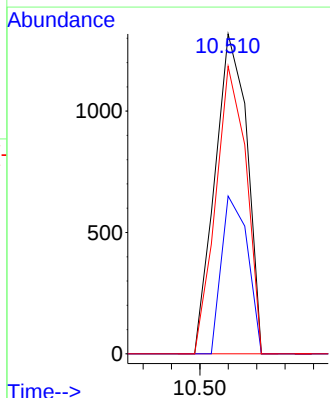
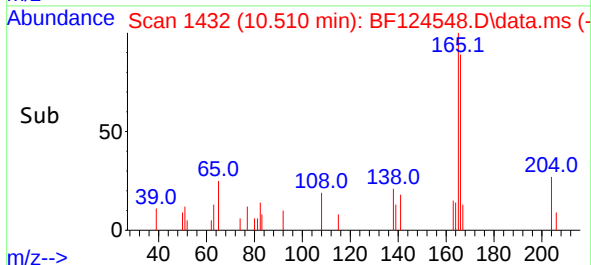
mohammad
7/14/2021 12:15:45 PM

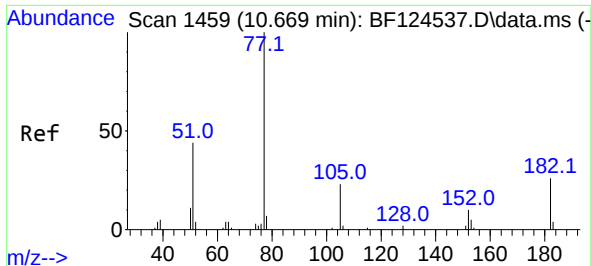


#62
4-Nitroaniline
Concen: 3.841 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.023 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



Tgt Ion:138 Resp: 1034
Ion Ratio Lower Upper
138 100
92 49.3 29.6 69.6
108 89.9 78.1 118.1





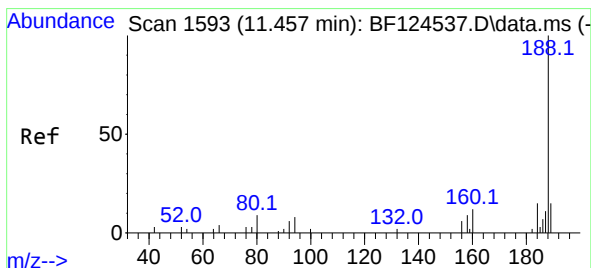
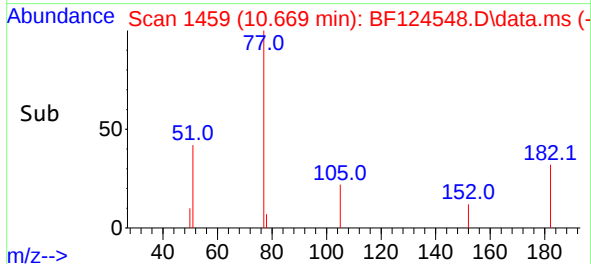
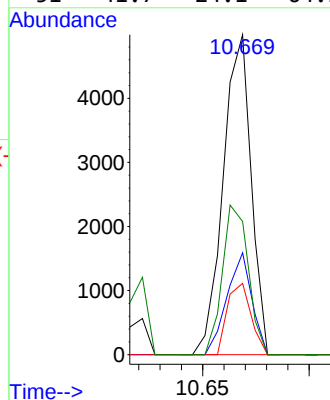
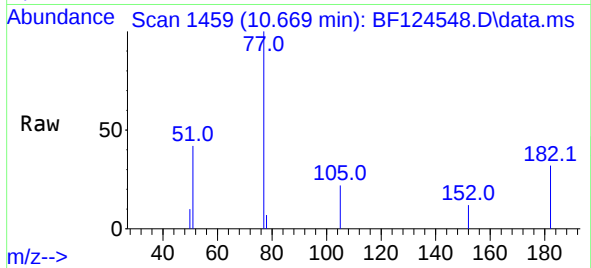
#63
Azobenzene
Concen: 4.105 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion: 77	Resp: 4555
Ion Ratio	Lower Upper
77 100	
182 31.8	6.3 46.3
105 22.3	2.9 42.9
51 41.7	24.1 64.1

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

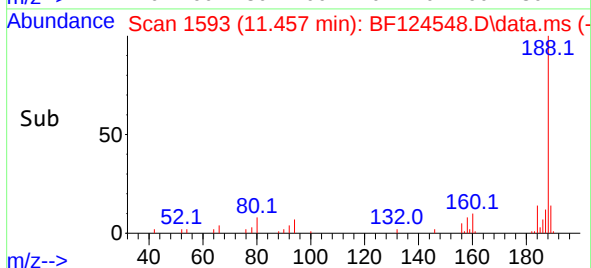
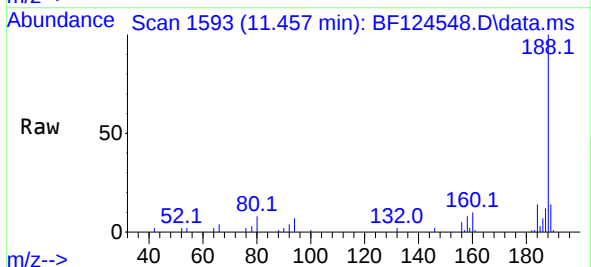
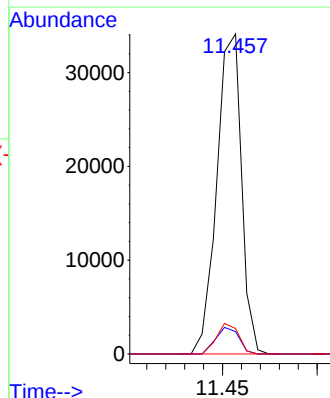
Manual Integrations
APPROVED

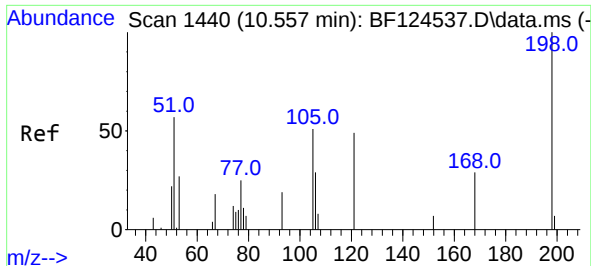
mohammad
7/14/2021 12:15:45 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion:188	Resp: 30949
Ion Ratio	Lower Upper
188 100	
94 7.0	6.7 10.1
80 8.0	7.5 11.3





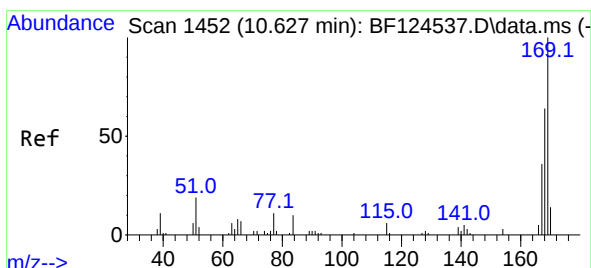
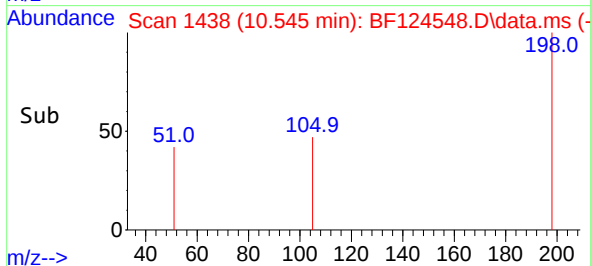
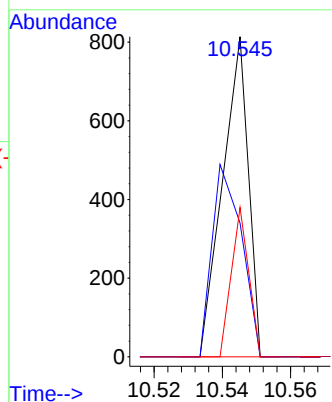
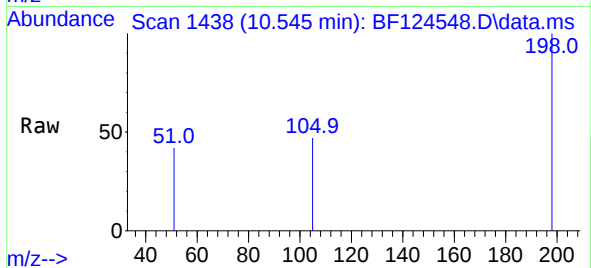
#65
4,6-Dinitro-2-methylphenol
Concen: 2.415 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.012 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Tgt Ion:198 Resp: 427
Ion Ratio Lower Upper
198 100
51 41.8 45.3 85.3#
105 46.7 30.6 70.6

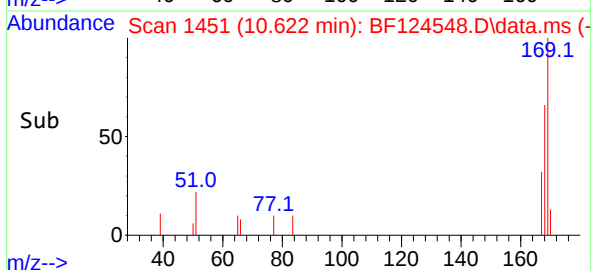
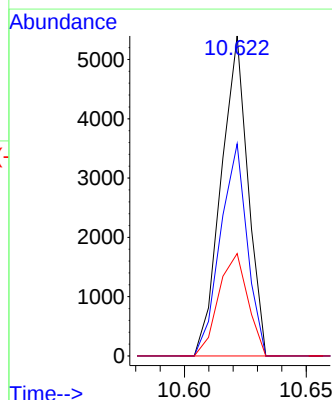
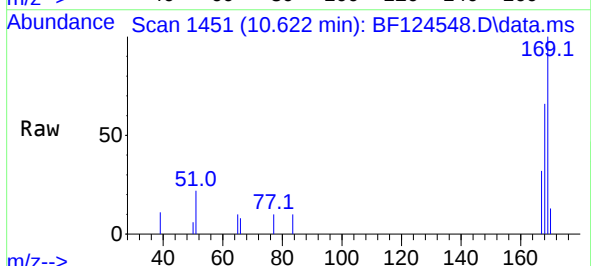
Manual Integrations
APPROVED

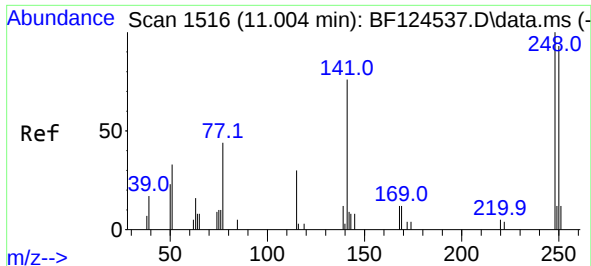
mohammad
7/14/2021 12:15:45 PM



#66
n-Nitrosodiphenylamine
Concen: 4.091 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion:169 Resp: 4123
Ion Ratio Lower Upper
169 100
168 66.3 50.8 76.2
167 32.0 28.8 43.2





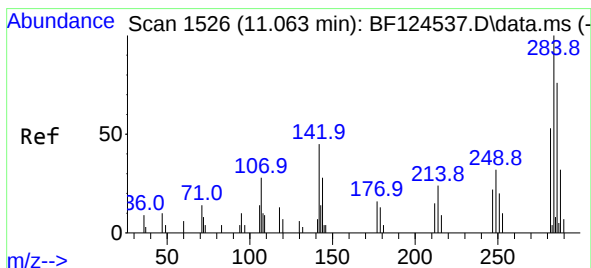
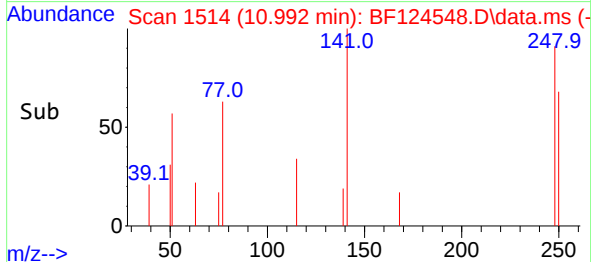
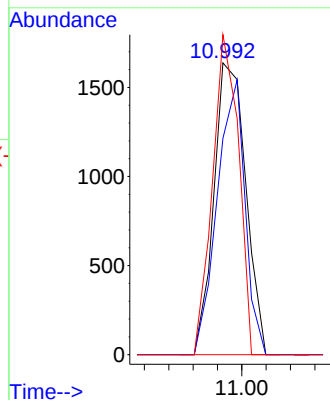
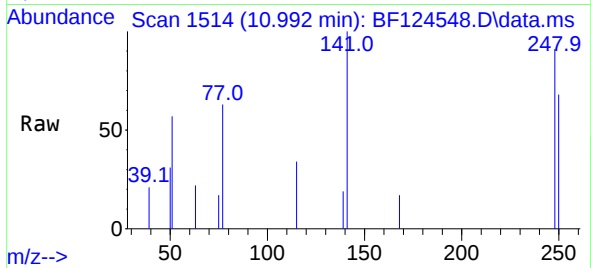
#67
4-Bromophenyl-phenylether
Concen: 4.650 ng
RT: 10.992 min Scan# 1514
Delta R.T. -0.012 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion: 248 Resp: 1488
Ion Ratio Lower Upper
248 100
250 74.1 74.2 111.4#
141 109.6 60.4 90.6#

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

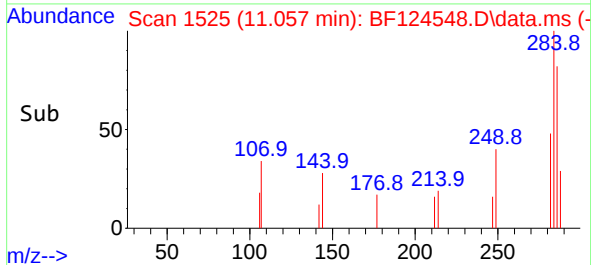
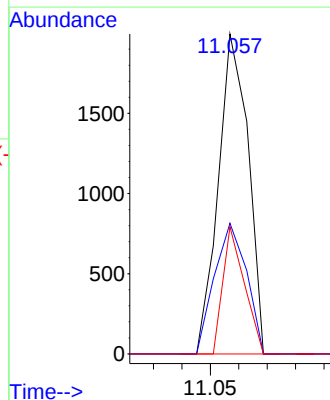
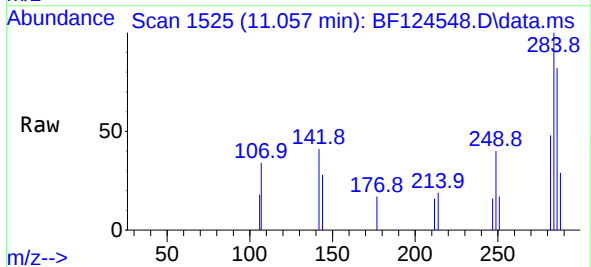
Manual Integrations
APPROVED

mohammad
7/14/2021 12:15:45 PM



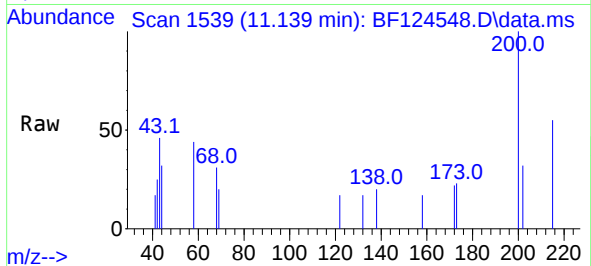
#68
Hexachlorobenzene
Concen: 4.434 ng
RT: 11.057 min Scan# 1525
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion: 284 Resp: 1454
Ion Ratio Lower Upper
284 100
142 40.9 36.4 54.6
249 39.7 25.6 38.4#

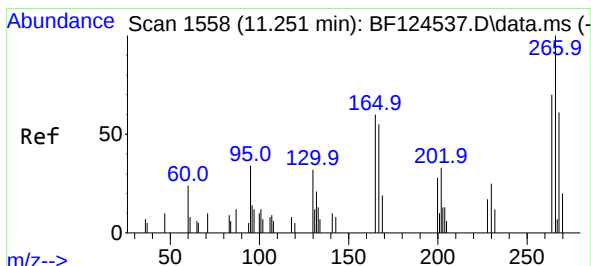
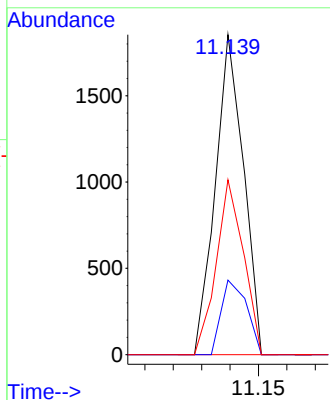
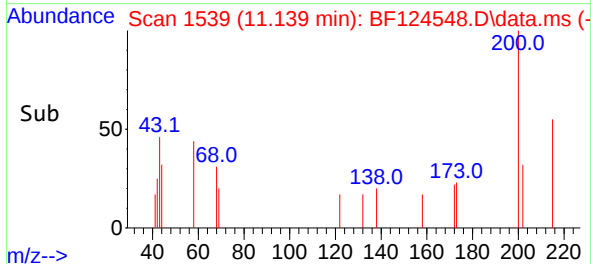




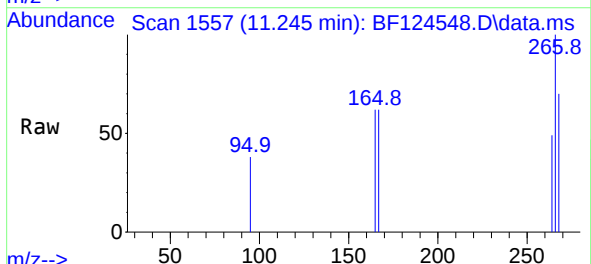
#69
Atrazine
Concen: 4.125 ng
RT: 11.139 min Scan# 1539
Delta R.T. -0.012 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



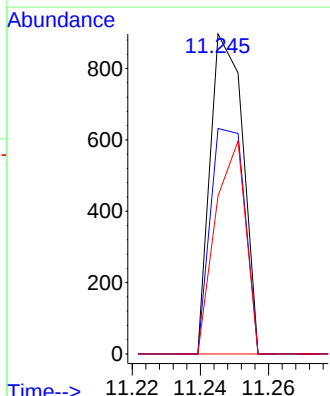
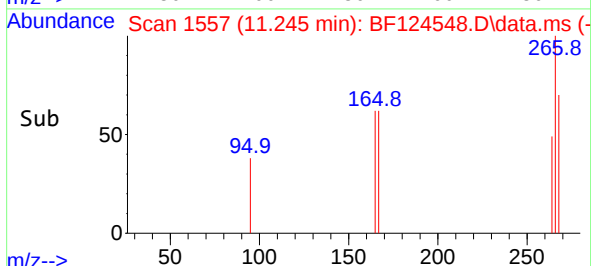
Tgt Ion:200 Resp: 1273
Ion Ratio Lower Upper
200 100
173 23.3 11.1 51.1
215 54.6 22.7 62.7



#70
Pentachlorophenol
Concen: 2.869 ng
RT: 11.245 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



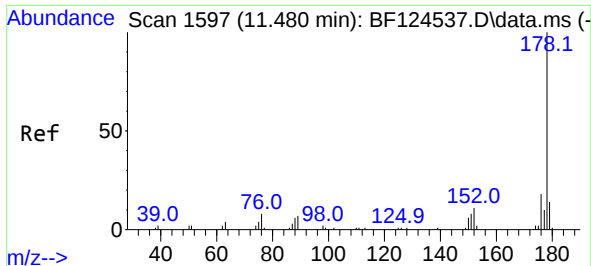
Tgt Ion:266 Resp: 595
Ion Ratio Lower Upper
266 100
268 70.5 48.9 73.3
264 49.4 55.9 83.9#



Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

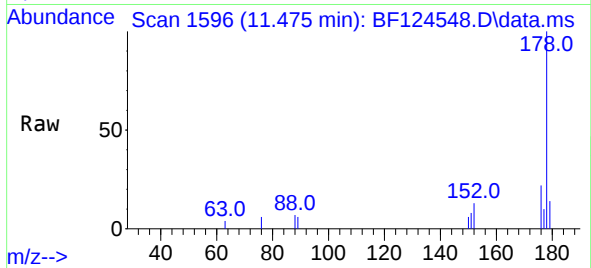
Manual Integrations
APPROVED

mohammad
7/14/2021 12:15:45 PM



#71
Phenanthrene
Concen: 4.468 ng m
RT: 11.475 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

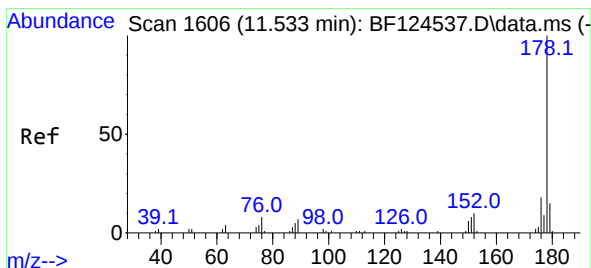
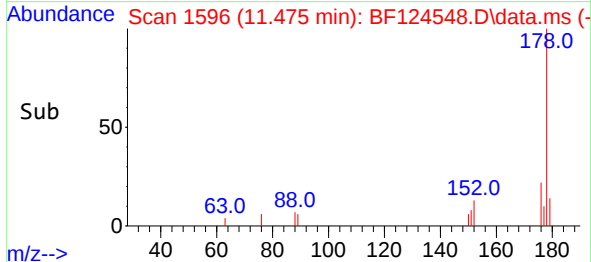
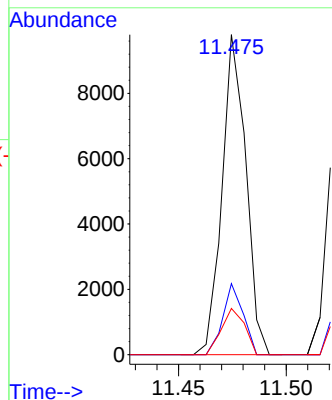
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021



Tgt Ion:178 Resp: 7544
Ion Ratio Lower Upper
178 100
176 22.2 14.7 22.1#
179 14.4 11.5 17.3

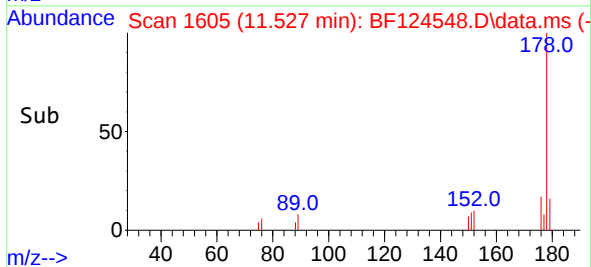
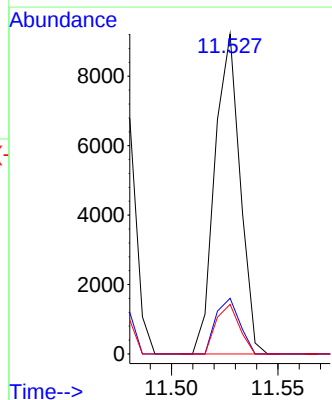
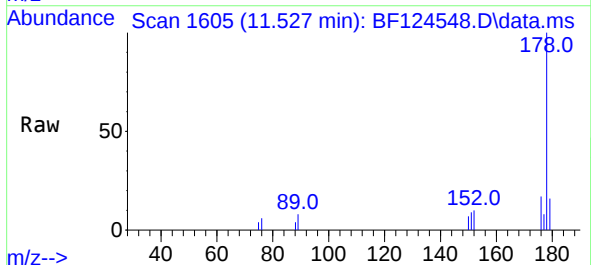
Manual Integrations
APPROVED

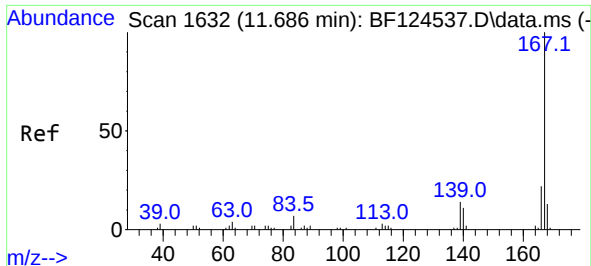
mohammad
7/14/2021 12:15:45 PM



#72
Anthracene
Concen: 4.474 ng
RT: 11.527 min Scan# 1605
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

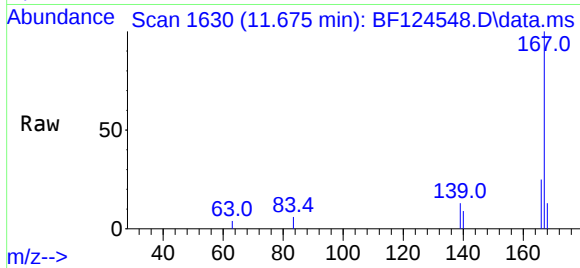
Tgt Ion:178 Resp: 7579
Ion Ratio Lower Upper
178 100
176 17.4 14.3 21.5
179 15.5 12.2 18.4





#73
 Carbazole
 Concen: 4.180 ng
 RT: 11.675 min Scan# 1630
 Delta R.T. -0.012 min
 Lab File: BF124548.D
 Acq: 13 Jul 2021 16:26

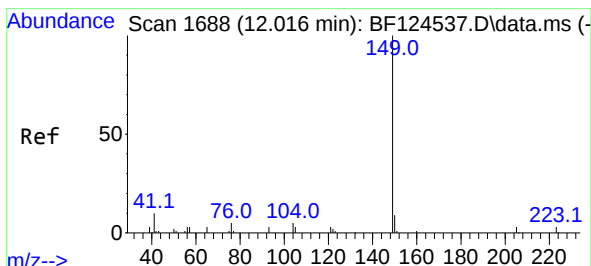
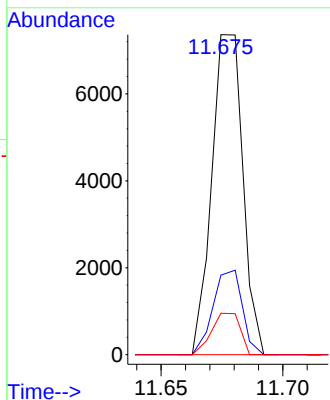
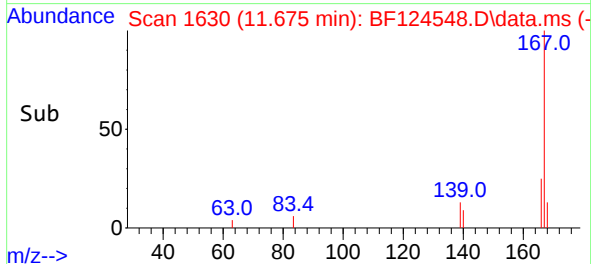
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2021



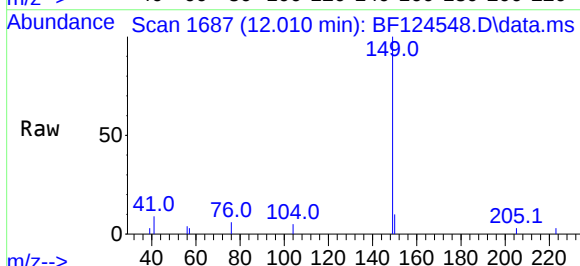
Tgt Ion:167 Resp: 6543
 Ion Ratio Lower Upper
 167 100
 166 24.8 17.4 26.0
 139 12.9 11.0 16.4

Manual Integrations
 APPROVED

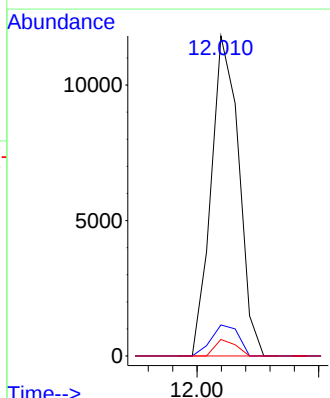
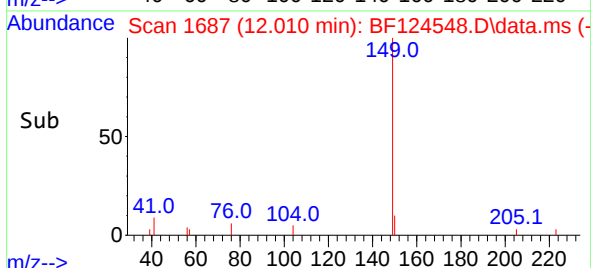
mohammad
 7/14/2021 12:15:45 PM



#74
 Di-n-butylphthalate
 Concen: 4.429 ng
 RT: 12.010 min Scan# 1687
 Delta R.T. -0.006 min
 Lab File: BF124548.D
 Acq: 13 Jul 2021 16:26



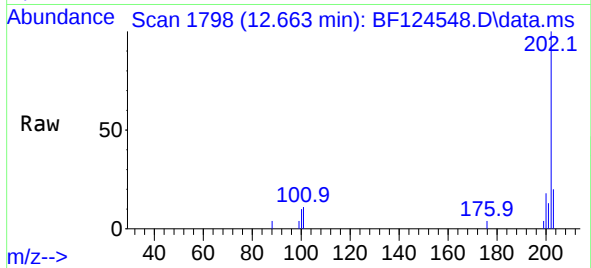
Tgt Ion:149 Resp: 9338
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.4 11.2
 104 5.2 4.1 6.1





#75
Fluoranthene
Concen: 4.411 ng
RT: 12.663 min Scan# 1798
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

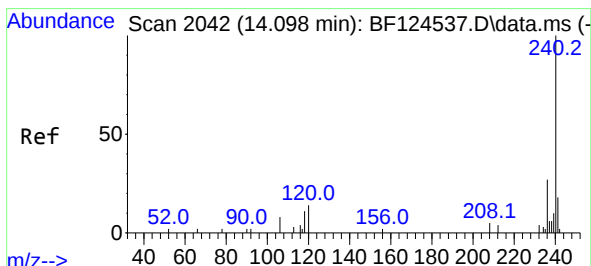
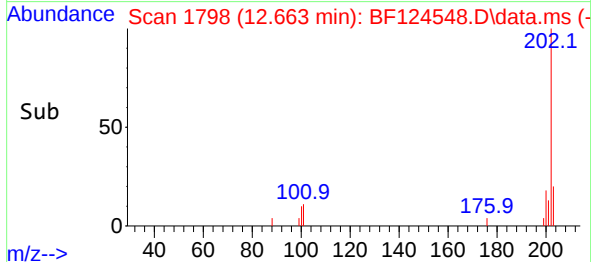
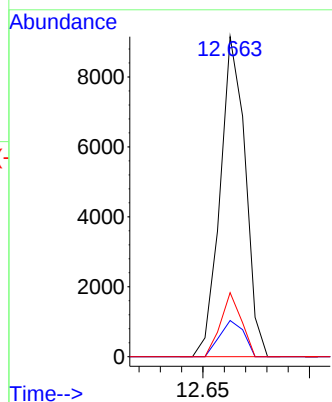
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021



Tgt Ion:202 Resp: 7514
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.7
203 20.0 0.0 36.3

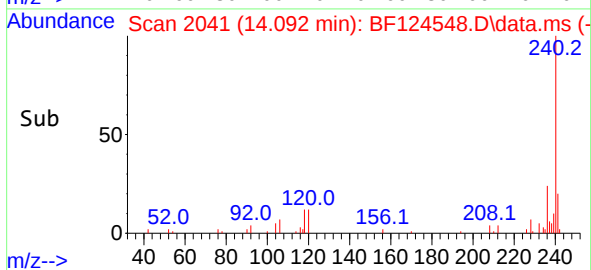
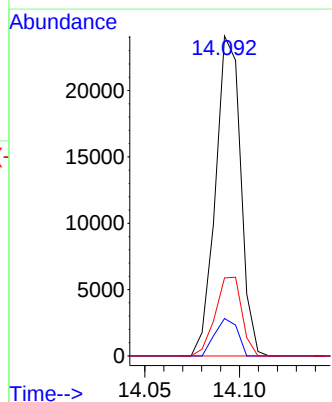
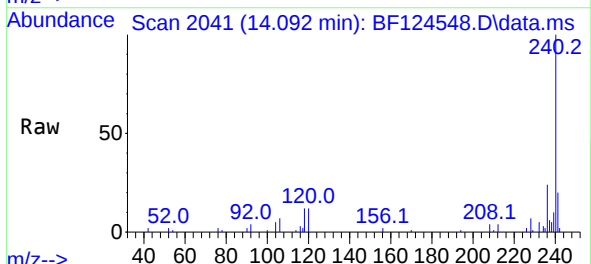
Manual Integrations
APPROVED

mohammad
7/14/2021 12:15:45 PM



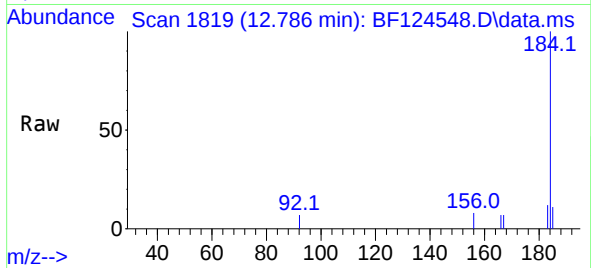
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion:240 Resp: 22235
Ion Ratio Lower Upper
240 100
120 11.7 10.8 16.2
236 24.4 21.6 32.4

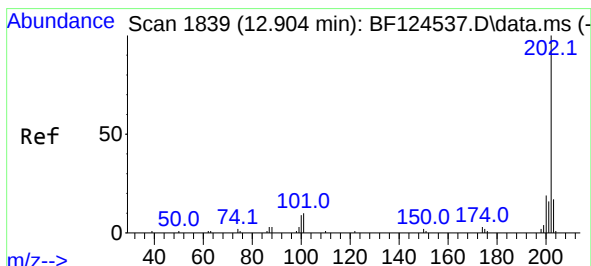
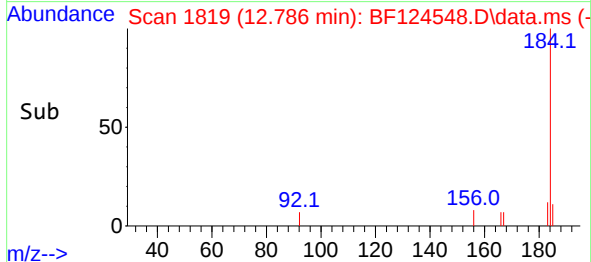
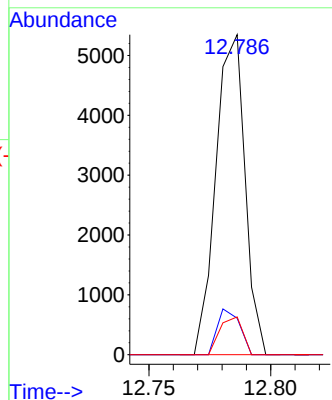




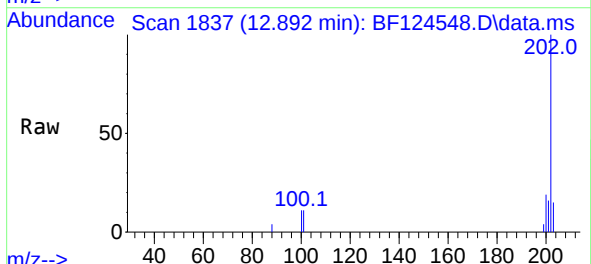
#77
Benzidine
Concen: 5.355 ng
RT: 12.786 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



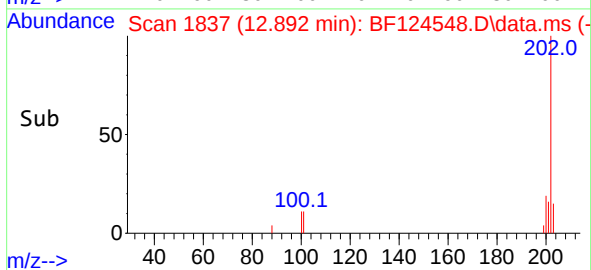
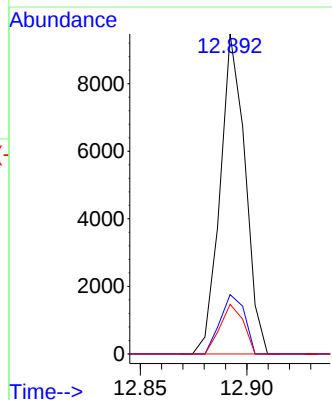
Tgt Ion:184 Resp: 4451
Ion Ratio Lower Upper
184 100
185 11.4 10.8 16.2
183 11.8 8.1 12.1



#78
Pyrene
Concen: 4.185 ng
RT: 12.892 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



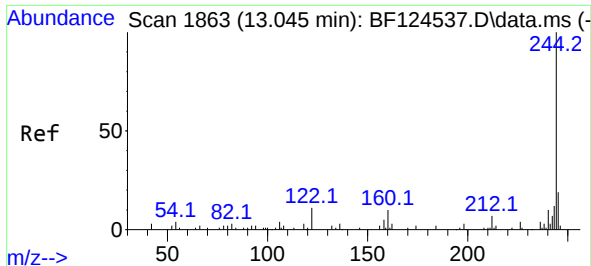
Tgt Ion:202 Resp: 7731
Ion Ratio Lower Upper
202 100
200 18.6 15.3 22.9
203 15.5 13.4 20.0



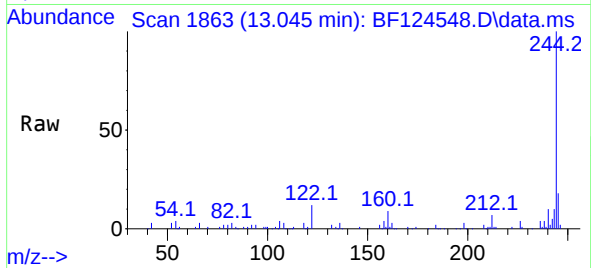
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations
APPROVED

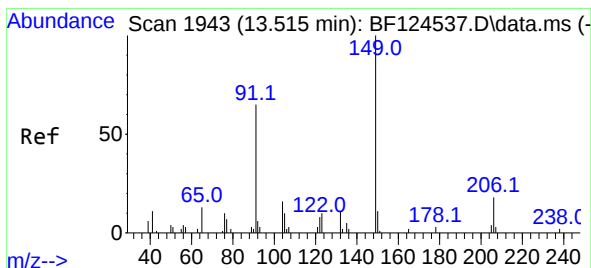
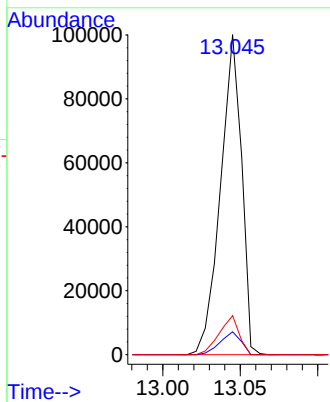
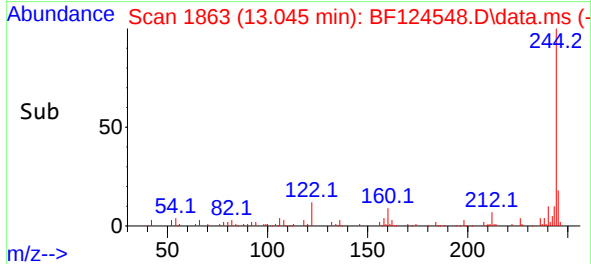
mohammad
7/14/2021 12:15:45 PM



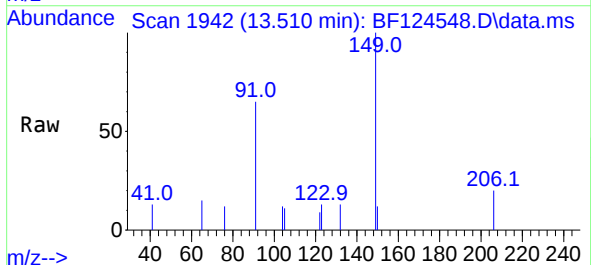
#79
Terphenyl-d14
Concen: 71.241 ng
RT: 13.045 min Scan# 1863
Delta R.T. 0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



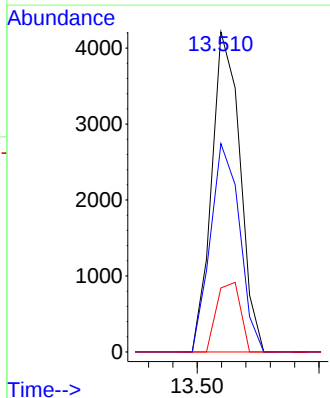
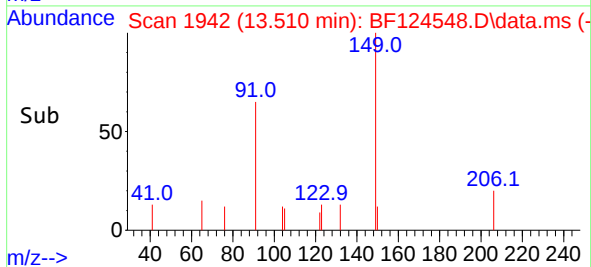
Tgt Ion:244 Resp: 94333
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 12.2 9.0 13.4



#80
Butylbenzylphthalate
Concen: 3.817 ng
RT: 13.510 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



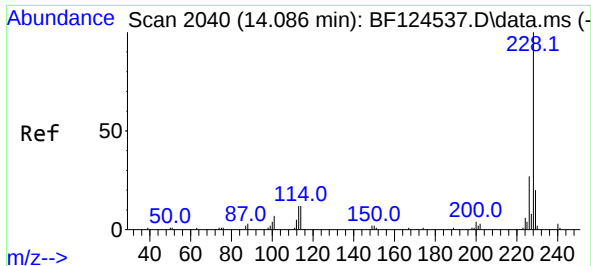
Tgt Ion:149 Resp: 3409
Ion Ratio Lower Upper
149 100
91 65.1 51.8 77.8
206 20.0 14.5 21.7



Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

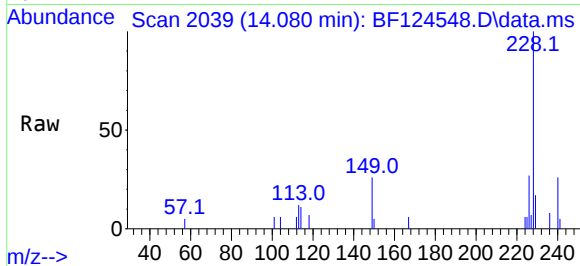
Manual Integrations
APPROVED

mohammad
7/14/2021 12:15:45 PM



#81
Benzo(a)anthracene
Concen: 4.393 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

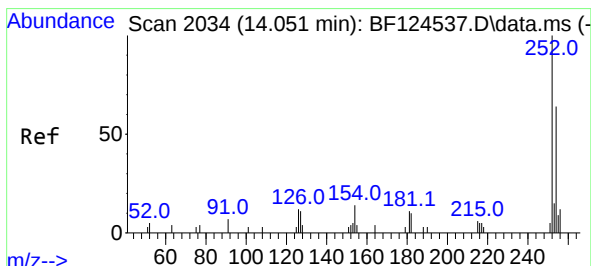
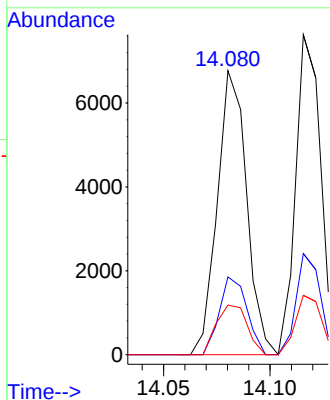
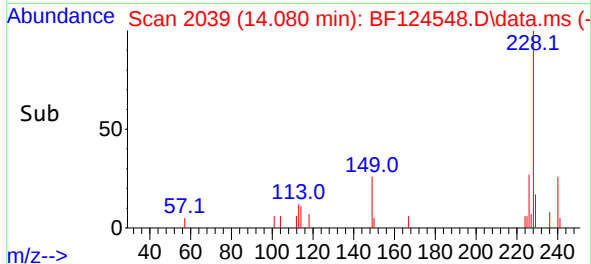
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021



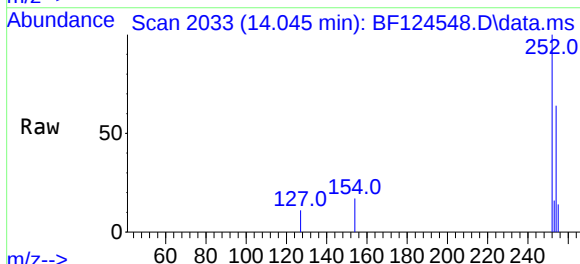
Tgt Ion:228 Resp: 6478
Ion Ratio Lower Upper
228 100
226 27.4 21.6 32.4
229 17.5 15.6 23.4

Manual Integrations
APPROVED

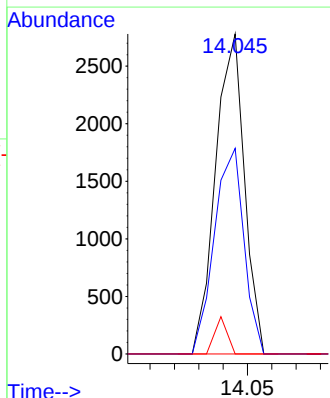
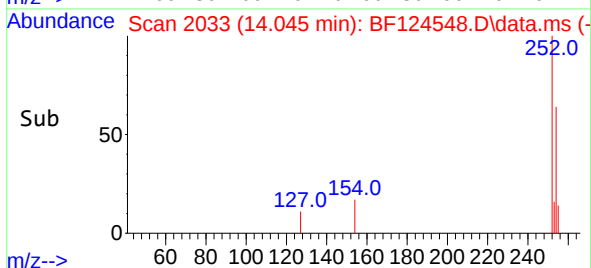
mohammad
7/14/2021 12:15:45 PM

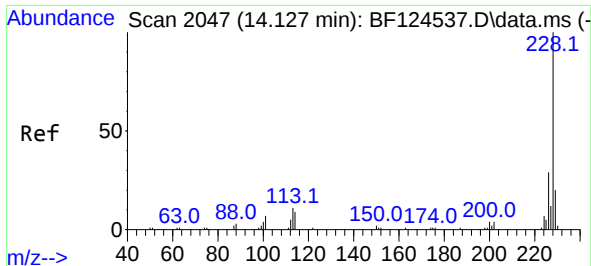


#82
3,3'-Dichlorobenzidine
Concen: 5.934 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



Tgt Ion:252 Resp: 2292
Ion Ratio Lower Upper
252 100
254 64.3 51.4 77.0
126 0.0 9.5 14.3#





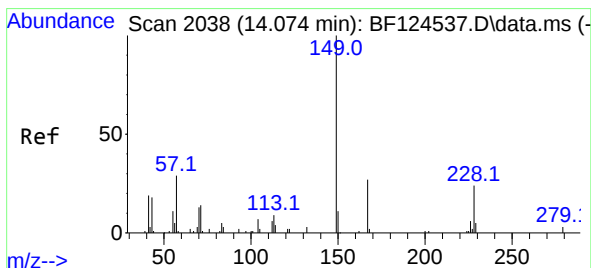
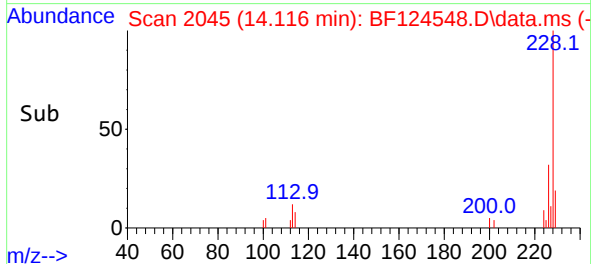
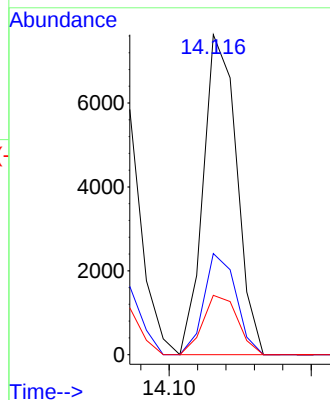
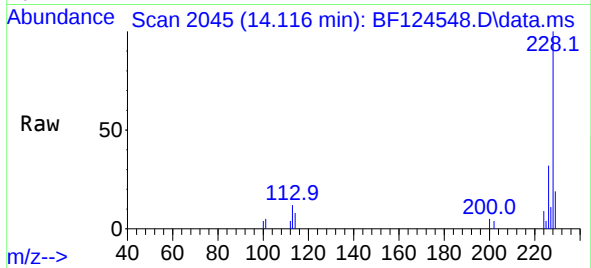
#83
Chrysene
Concen: 4.401 ng
RT: 14.116 min Scan# 2045
Delta R.T. -0.012 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion:	228	Resp:	6217
Ion Ratio	Lower	Upper	
228	100		
226	31.6	22.6	34.0
229	18.6	15.9	23.9

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

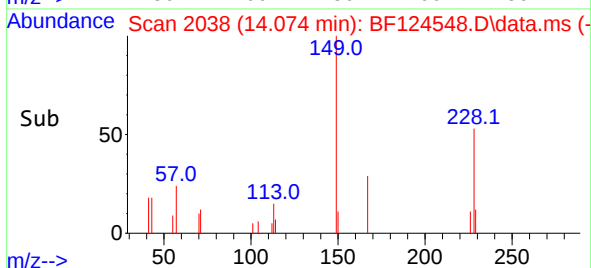
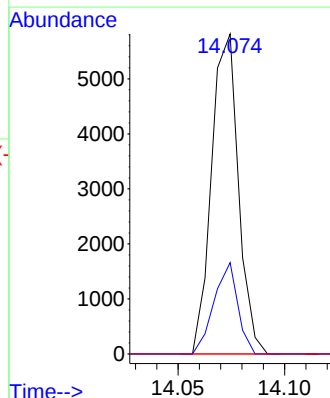
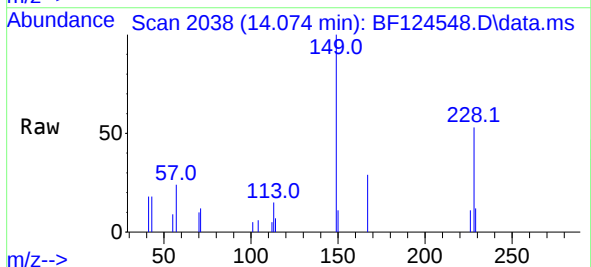
Manual Integrations
APPROVED

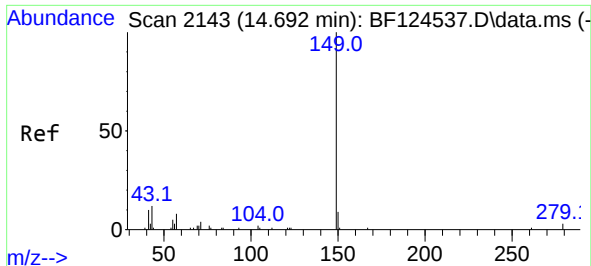
mohammad
7/14/2021 12:15:45 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.251 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

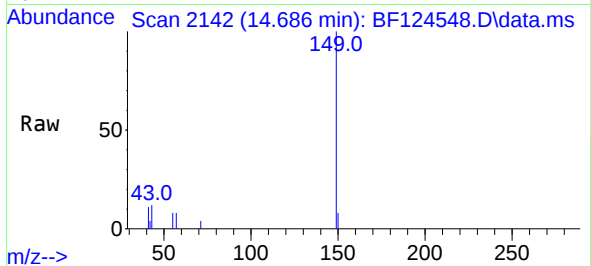
Tgt Ion:	149	Resp:	5098
Ion Ratio	Lower	Upper	
149	100		
167	28.6	21.4	32.0
279	0.0	2.6	4.0





#85
Di-n-octyl phthalate
Concen: 4.433 ng
RT: 14.686 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

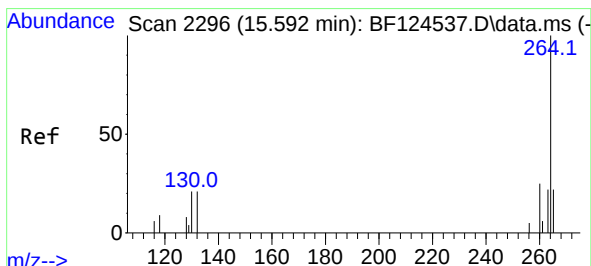
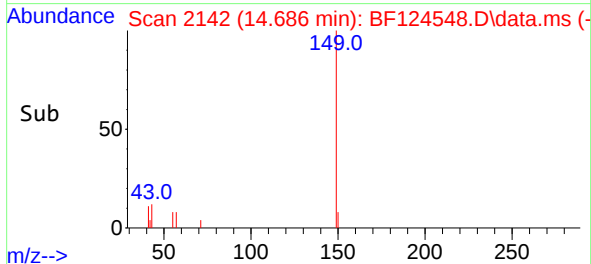
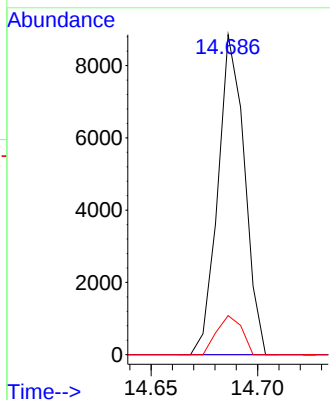
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021



Tgt Ion:149 Resp: 7693
Ion Ratio Lower Upper
149 100
167 0.0 1.0 1.6#
43 11.5 9.9 14.9

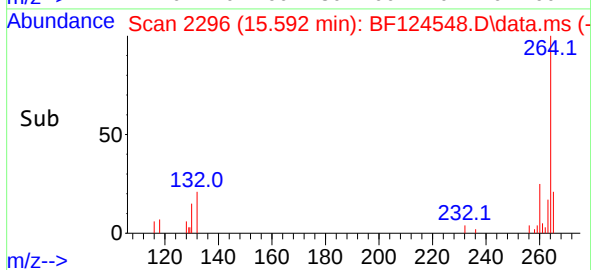
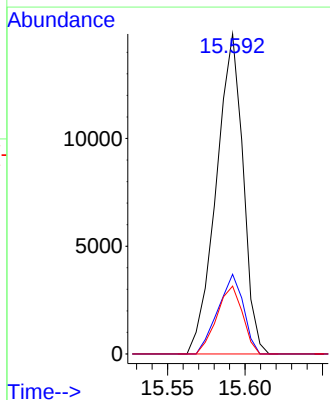
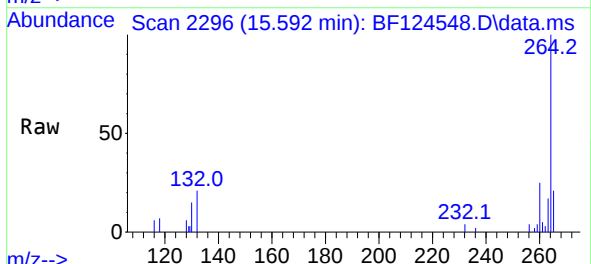
Manual Integrations
APPROVED

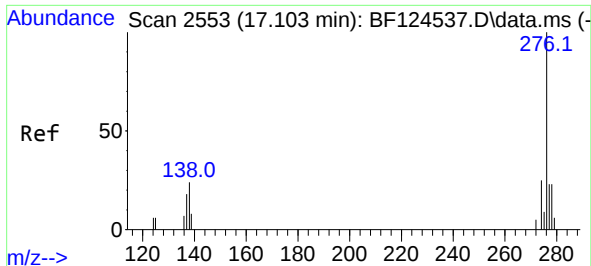
mohammad
7/14/2021 12:15:45 PM



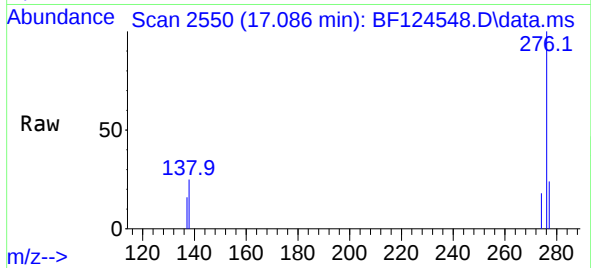
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2296
Delta R.T. 0.000 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion:264 Resp: 17844
Ion Ratio Lower Upper
264 100
260 24.9 19.6 29.4
265 21.2 17.2 25.8

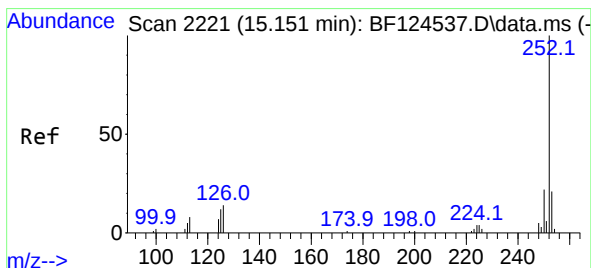
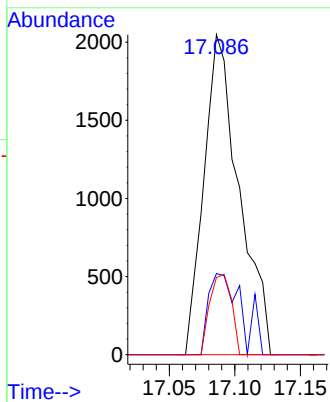
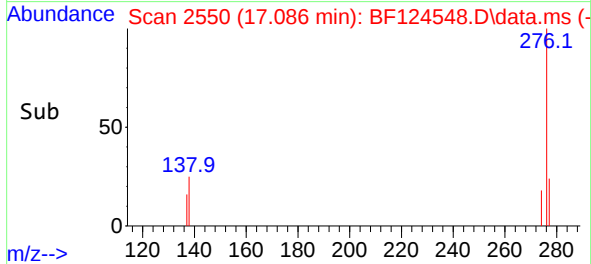




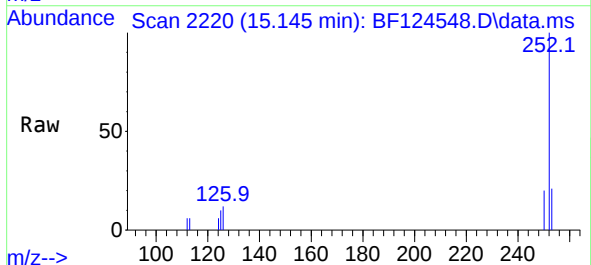
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.691 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.017 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



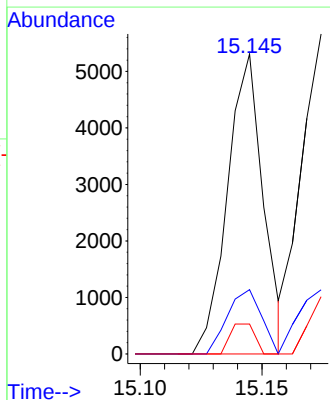
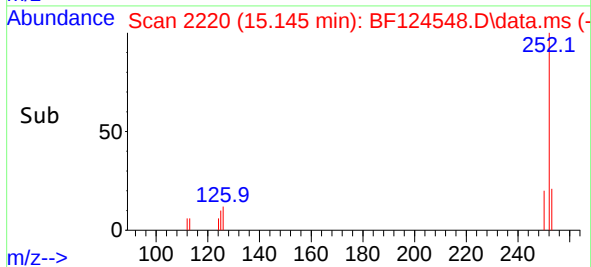
Tgt Ion: 276 Resp: 3820
Ion Ratio Lower Upper
276 100
138 23.8 24.1 36.1#
277 15.4 18.8 28.2#



#88
Benzo(b)fluoranthene
Concen: 4.227 ng
RT: 15.145 min Scan# 2220
Delta R.T. -0.006 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26



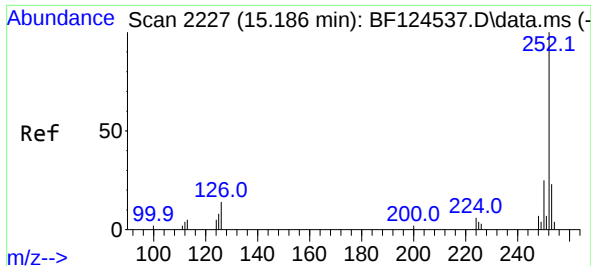
Tgt Ion: 252 Resp: 5414
Ion Ratio Lower Upper
252 100
253 21.4 16.8 25.2
125 10.0 9.8 14.8



Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations
APPROVED

mohammad
7/14/2021 12:15:45 PM



#89

Benzo(k)fluoranthene

Concen: 4.528 ng m

RT: 15.174 min Scan# 2225

Delta R.T. -0.012 min

Lab File: BF124548.D

Acq: 13 Jul 2021 16:26

Tgt Ion:252	Resp:	5321
Ion Ratio	Lower	Upper
252	100	
253	20.0	17.8 26.8
125	9.0	7.2 10.8

Instrument :

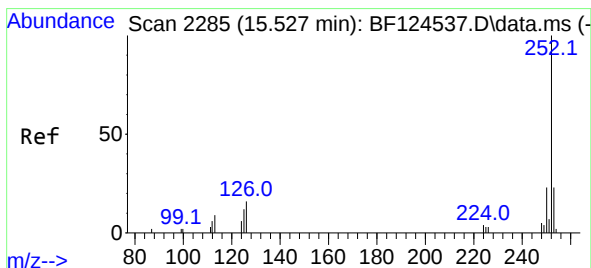
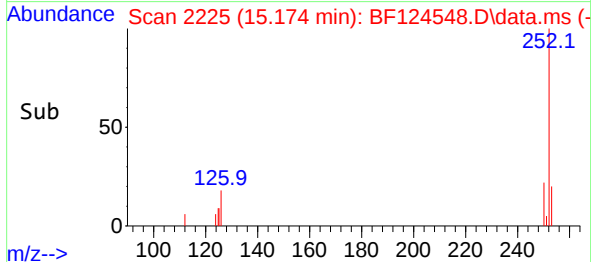
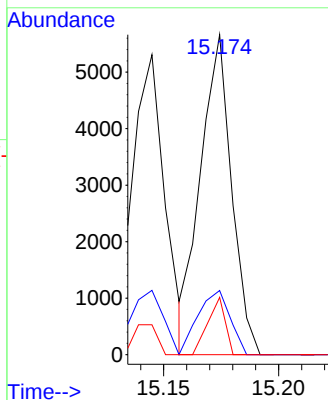
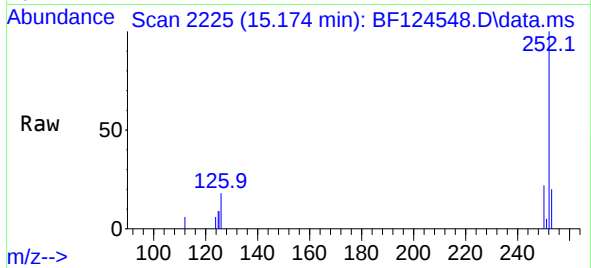
BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2021

Manual Integrations
APPROVED

mohammad
7/14/2021 12:15:45 PM



#90

Benzo(a)pyrene

Concen: 4.478 ng

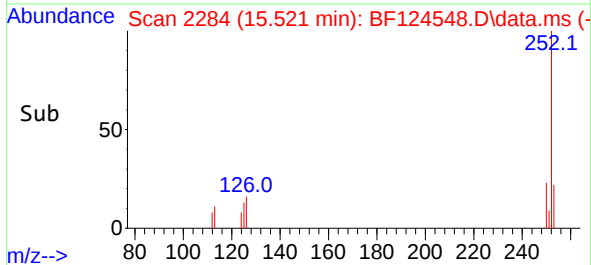
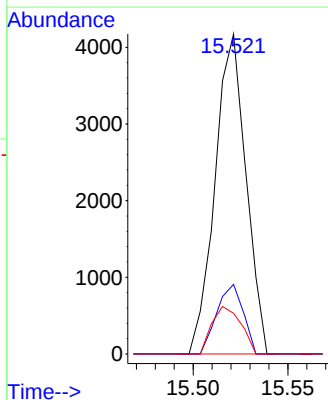
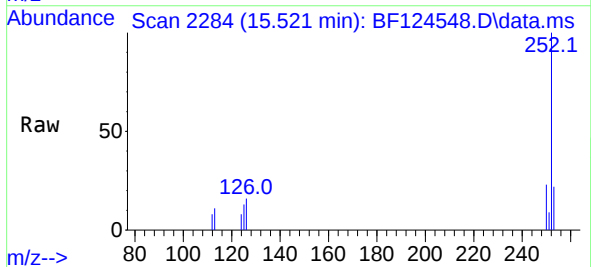
RT: 15.521 min Scan# 2284

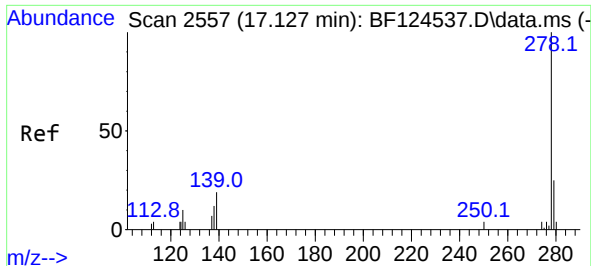
Delta R.T. -0.006 min

Lab File: BF124548.D

Acq: 13 Jul 2021 16:26

Tgt Ion:252	Resp:	4734
Ion Ratio	Lower	Upper
252	100	
253	21.7	18.4 27.6
125	12.7	9.9 14.9





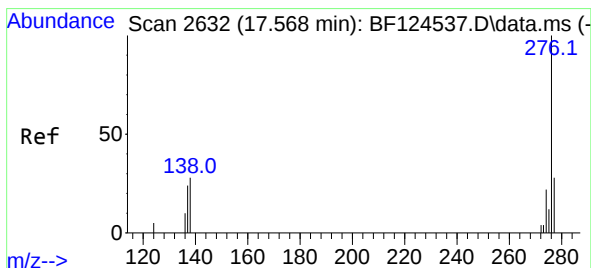
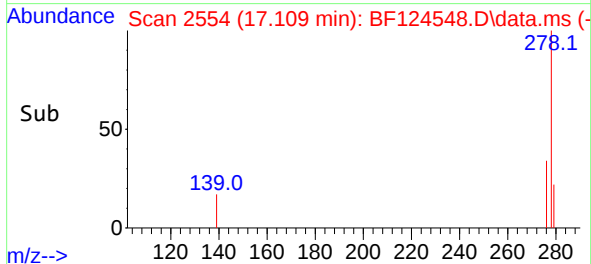
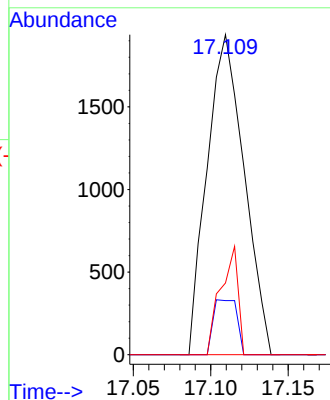
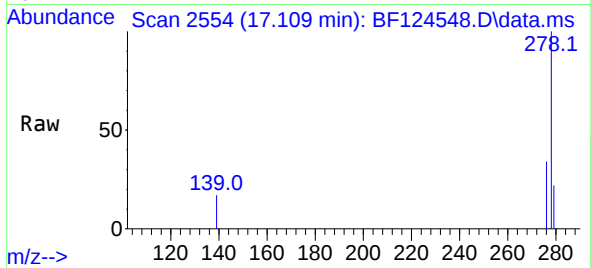
#91
Dibenzo(a,h)anthracene
Concen: 3.659 ng
RT: 17.109 min Scan# 2554
Delta R.T. -0.017 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion: 278 Resp: 3223
Ion Ratio Lower Upper
278 100
139 16.9 14.9 22.3
279 22.4 19.7 29.5

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations
APPROVED

mohammad
7/14/2021 12:15:45 PM



#92
Benzo(g,h,i)perylene
Concen: 3.726 ng
RT: 17.545 min Scan# 2628
Delta R.T. -0.023 min
Lab File: BF124548.D
Acq: 13 Jul 2021 16:26

Tgt Ion: 276 Resp: 3204
Ion Ratio Lower Upper
276 100
277 24.0 22.0 33.0
138 28.4 22.2 33.4

