

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111120\
 Data File : BF122306.D
 Acq On : 11 Nov 2020 10:41
 Operator : JU/CG
 Sample : L4214-03
 Misc : MDL-MDL-SOIL-4PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2020

Manual Integrations
 APPROVED

mohammad
 11/12/2020 11:39:09 AM

Quant Time: Nov 11 11:15:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 11 11:01:10 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	343682	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	1219998	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	650110	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	1168871	20.00	ng	0.00
76) Chrysene-d12	14.027	240	1040776	20.00	ng	0.00
86) Perylene-d12	15.498	264	964156	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	2835711	126.69	ng	0.00
7) Phenol-d6	6.498	99	3579544	122.25	ng	0.00
23) Nitrobenzene-d5	7.434	82	2357958	118.32	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	1019051	146.05	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	3767862	90.56	ng	0.00
79) Terphenyl-d14	12.986	244	4417177	89.91	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.640	88	39546	3.85	ng	93
3) Pyridine	3.457	79	105059	3.72	ng	93
4) n-Nitrosodimethylamine	3.310	42	50851	3.82	ng	# 89
6) Aniline	6.534	93	150971	3.93	ng	99
8) 2-Chlorophenol	6.651	128	92996	4.01	ng	95
9) Benzaldehyde	6.416	77	80713	4.89	ng	97
10) Phenol	6.504	94	117855m	4.09	ng	
11) bis(2-Chloroethyl)ether	6.604	93	94807	4.14	ng	92
12) 1,3-Dichlorobenzene	6.810	146	109113	4.14	ng	96
13) 1,4-Dichlorobenzene	6.887	146	113968	4.31	ng	96
14) 1,2-Dichlorobenzene	7.040	146	104925	4.25	ng	99
15) Benzyl Alcohol	6.998	79	63724	3.06	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.140	45	134129	4.02	ng	98
17) 2-Methylphenol	7.104	107	77943	4.02	ng	99
18) Hexachloroethane	7.381	117	38115	4.13	ng	96
19) n-Nitroso-di-n-propyla...	7.275	70	71075	4.06	ng	96
20) 3+4-Methylphenols	7.257	107	101738	4.27	ng	# 66
22) Acetophenone	7.269	105	138879	4.37	ng	# 87
24) Nitrobenzene	7.445	77	110546	4.85	ng	98
25) Isophorone	7.681	82	183716	4.14	ng	99
26) 2-Nitrophenol	7.763	139	30620	3.98	ng	98
27) 2,4-Dimethylphenol	7.792	122	86666	4.14	ng	96
28) bis(2-Chloroethoxy)met...	7.892	93	116528	4.29	ng	99
29) 2,4-Dichlorophenol	7.998	162	74415	4.01	ng	96
30) 1,2,4-Trichlorobenzene	8.092	180	88404	4.32	ng	97
31) Naphthalene	8.169	128	286368	4.42	ng	99
32) Benzoic acid	7.840	122	16542	1.75	ng	96
33) 4-Chloroaniline	8.210	127	116698	4.13	ng	99
34) Hexachlorobutadiene	8.292	225	51253	4.35	ng	99
35) Caprolactam	8.545	113	21941	3.73	ng	87
36) 4-Chloro-3-methylphenol	8.681	107	78703	4.07	ng	98
37) 2-Methylnaphthalene	8.863	142	187919	4.39	ng	99
38) 1-Methylnaphthalene	8.963	142	175904	4.39	ng	97
40) 1,2,4,5-Tetrachloroben...	9.028	216	86646	4.33	ng	99
41) Hexachlorocyclopentadiene	9.022	237	42425	3.62	ng	99
43) 2,4,6-Trichlorophenol	9.134	196	49673	3.82	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111120\
 Data File : BF122306.D
 Acq On : 11 Nov 2020 10:41
 Operator : JU/CG
 Sample : L4214-03
 Misc : MDL-MDL-SOIL-4PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2020

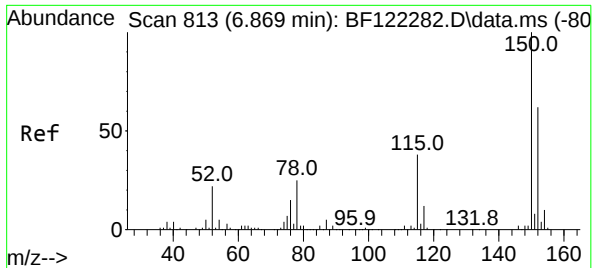
Manual Integrations
 APPROVED

mohammad
 11/12/2020 11:39:09 AM

Quant Time: Nov 11 11:15:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 11 11:01:10 2020
 Response via : Initial Calibration

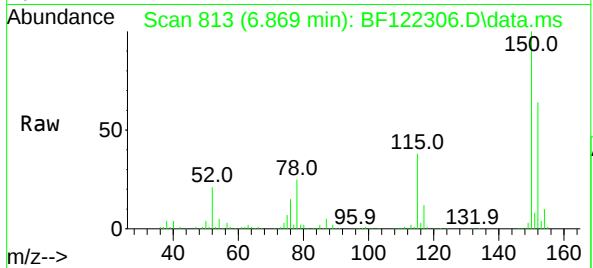
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	53622	3.93	ng	99
46) 1,1'-Biphenyl	9.328	154	240578	4.65	ng	95
47) 2-Chloronaphthalene	9.351	162	183129	4.46	ng	95
48) 2-Nitroaniline	9.434	65	39923	3.96	ng	92
49) Acenaphthylene	9.763	152	271230	4.30	ng	100
50) Dimethylphthalate	9.616	163	202228	4.38	ng	100
51) 2,6-Dinitrotoluene	9.681	165	36792	4.12	ng	91
52) Acenaphthene	9.939	154	172059	4.40	ng	100
53) 3-Nitroaniline	9.845	138	42155	4.09	ng	93
54) 2,4-Dinitrophenol	9.945	184	6118	2.24	ng	# 1
55) Dibenzofuran	10.110	168	256378	4.48	ng	96
56) 4-Nitrophenol	9.986	139	29208	3.31	ng	88
57) 2,4-Dinitrotoluene	10.081	165	43280	4.00	ng	# 87
58) Fluorene	10.451	166	200386	4.57	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.222	232	42178	3.72	ng	93
60) Diethylphthalate	10.322	149	196019	4.32	ng	97
61) 4-Chlorophenyl-phenyle...	10.445	204	95187	4.60	ng	95
62) 4-Nitroaniline	10.451	138	40685	4.00	ng	98
63) Azobenzene	10.604	77	206552	4.34	ng	96
65) 4,6-Dinitro-2-methylph...	10.486	198	11926	2.69	ng	92
66) n-Nitrosodiphenylamine	10.563	169	172419	4.33	ng	96
67) 4-Bromophenyl-phenylether	10.933	248	58253	4.24	ng	94
68) Hexachlorobenzene	10.998	284	65708	4.43	ng	97
69) Atrazine	11.081	200	46199	4.66	ng	97
70) Pentachlorophenol	11.186	266	28738	3.36	ng	97
71) Phenanthrene	11.410	178	307964	4.64	ng	99
72) Anthracene	11.463	178	297740	4.36	ng	99
73) Carbazole	11.616	167	268599	4.32	ng	98
74) Di-n-butylphthalate	11.951	149	277488	4.19	ng	99
75) Fluoranthene	12.598	202	296594	4.28	ng	96
77) Benzidine	12.716	184	126026m	4.37	ng	
78) Pyrene	12.827	202	313479	4.29	ng	98
80) Butylbenzylphthalate	13.451	149	91463	3.48	ng	99
81) Benzo(a)anthracene	14.016	228	282942	4.37	ng	99
82) 3,3'-Dichlorobenzidine	13.974	252	90449	3.75	ng	98
83) Chrysene	14.051	228	287980	4.42	ng	97
84) Bis(2-ethylhexyl)phtha...	14.016	149	138342	3.92	ng	98
85) Di-n-octyl phthalate	14.627	149	191498	3.20	ng	99
87) Indeno(1,2,3-cd)pyrene	16.945	276	211393	3.65	ng	98
88) Benzo(b)fluoranthene	15.063	252	241150	3.86	ng	98
89) Benzo(k)fluoranthene	15.092	252	255534	4.20	ng	98
90) Benzo(a)pyrene	15.427	252	211022	3.88	ng	100
91) Dibenzo(a,h)anthracene	16.968	278	176601	3.64	ng	99
92) Benzo(g,h,i)perylene	17.386	276	174188	3.70	ng	97

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. 0.000 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

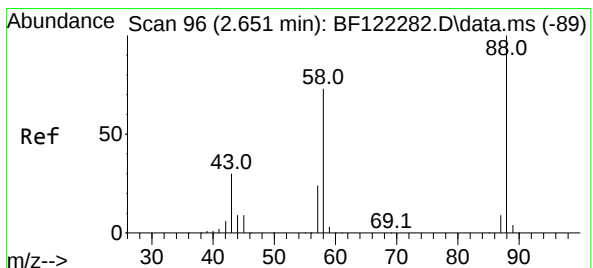
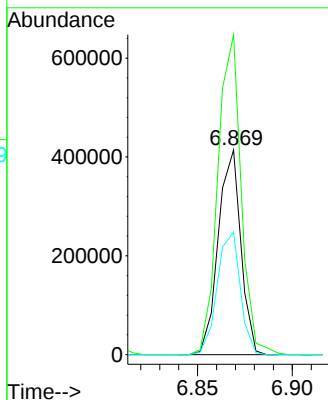
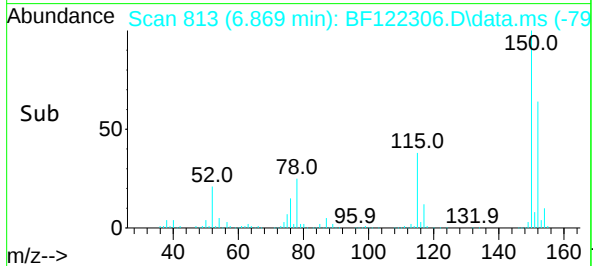
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020



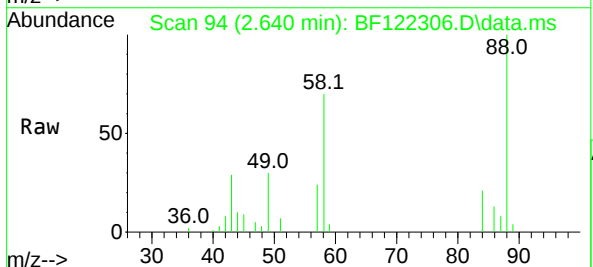
Tgt Ion:152 Resp: 343682
Ion Ratio Lower Upper
152 100
150 156.4 125.3 187.9
115 59.9 51.9 77.9

Manual Integrations
APPROVED

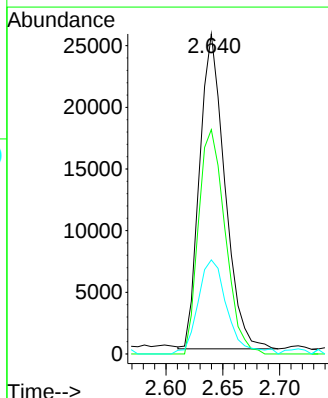
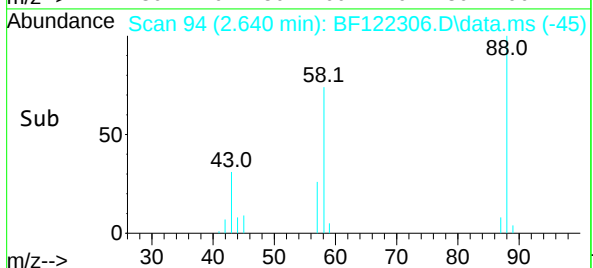
mohammad
11/12/2020 11:39:09 AM

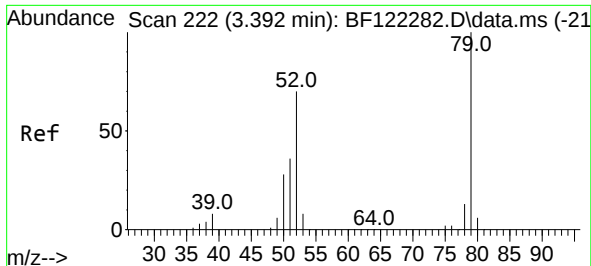


#2
1,4-Dioxane
Concen: 3.85 ng
RT: 2.640 min Scan# 94
Delta R.T. -0.011 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

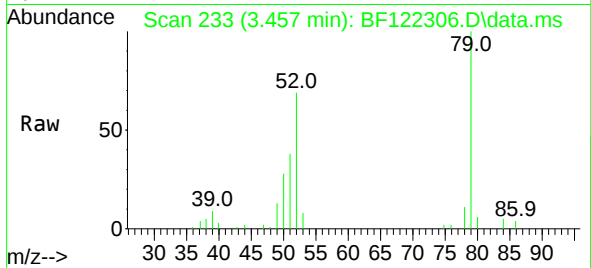


Tgt Ion: 88 Resp: 39546
Ion Ratio Lower Upper
88 100
58 74.9 65.8 98.8
43 34.2 25.8 38.8

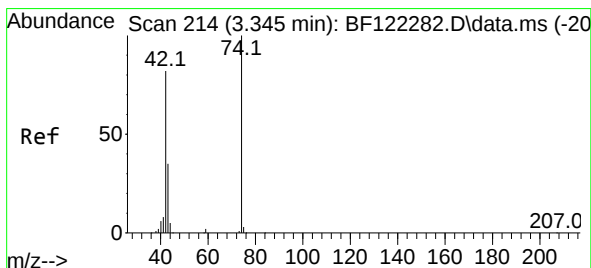
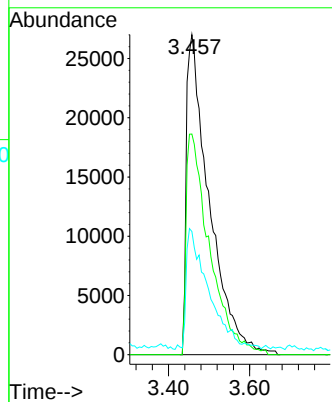
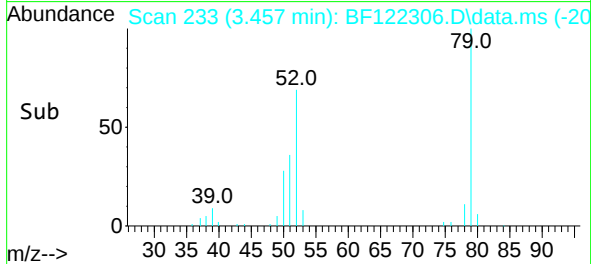




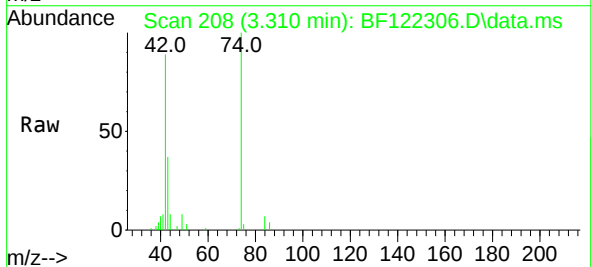
#3
Pyridine
Concen: 3.72 ng
RT: 3.457 min Scan# 233
Delta R.T. 0.065 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



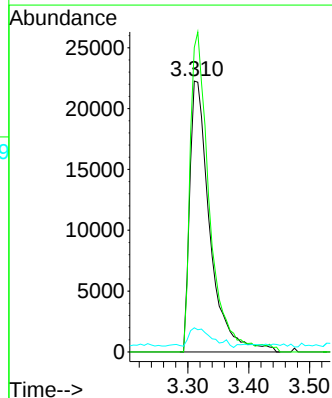
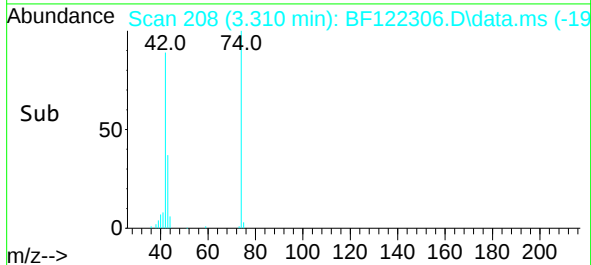
Tgt Ion: 79 Resp: 105059
Ion Ratio Lower Upper
79 100
52 69.0 62.2 93.4
51 38.5 31.1 46.7



#4
n-Nitrosodimethylamine
Concen: 3.82 ng
RT: 3.310 min Scan# 208
Delta R.T. -0.035 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



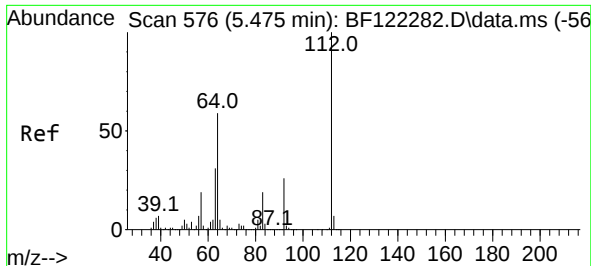
Tgt Ion: 42 Resp: 50851
Ion Ratio Lower Upper
42 100
74 112.3 100.2 150.2
44 8.9 5.8 8.6#



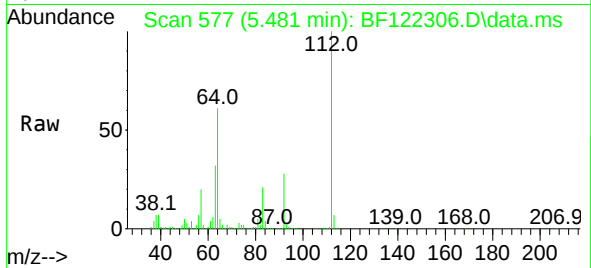
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

Manual Integrations
APPROVED

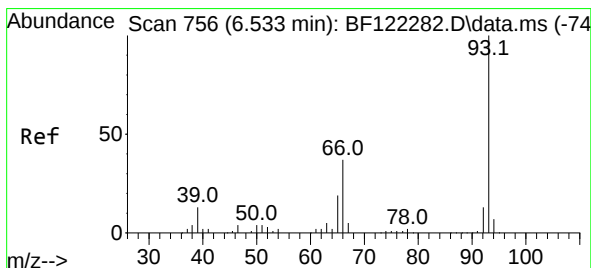
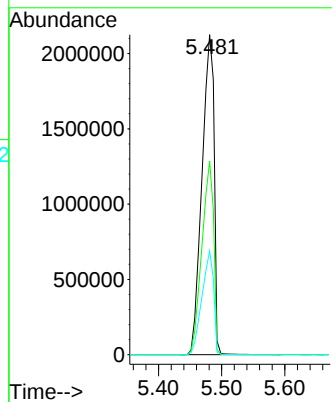
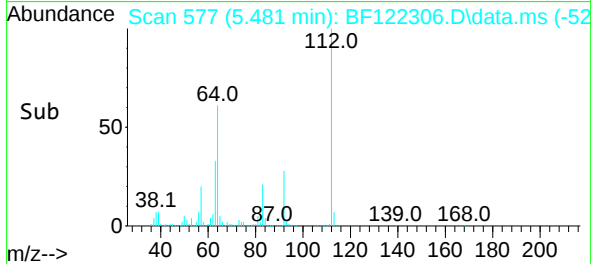
mohammad
11/12/2020 11:39:09 AM



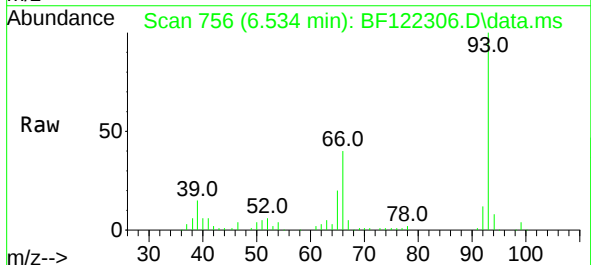
#5
2-Fluorophenol
Concen: 126.69 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.006 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



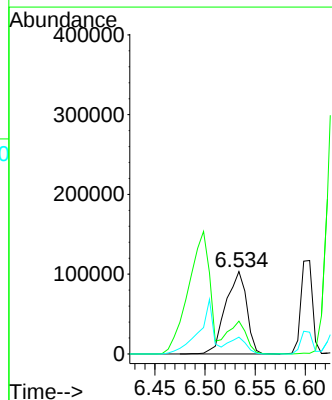
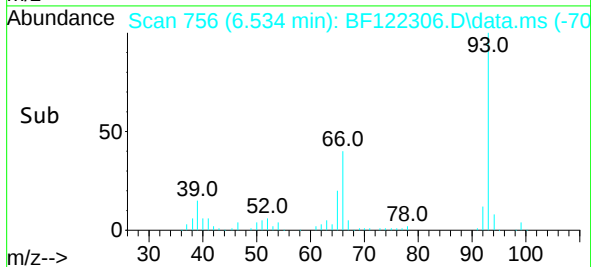
Tgt Ion:112 Resp: 2835711
Ion Ratio Lower Upper
112 100
64 60.5 50.4 75.6
63 32.5 25.8 38.6



#6
Aniline
Concen: 3.93 ng
RT: 6.534 min Scan# 756
Delta R.T. 0.000 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



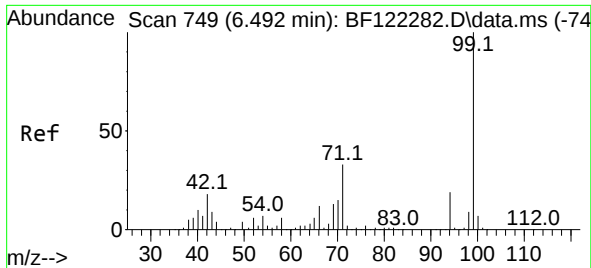
Tgt Ion: 93 Resp: 150971
Ion Ratio Lower Upper
93 100
66 39.9 32.7 49.1
65 20.4 16.6 24.8



Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

Manual Integrations
APPROVED

mohammad
11/12/2020 11:39:09 AM



#7
Phenol-d6
Concen: 122.25 ng
RT: 6.498 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

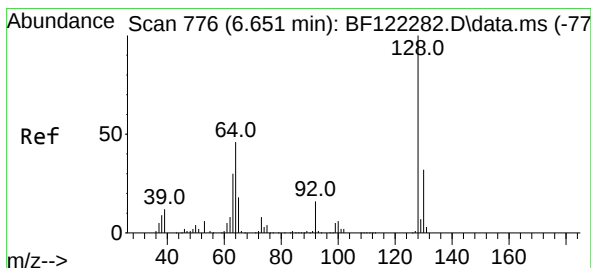
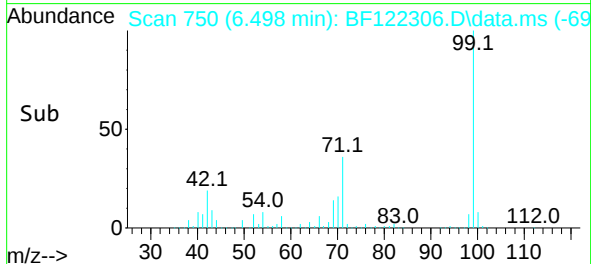
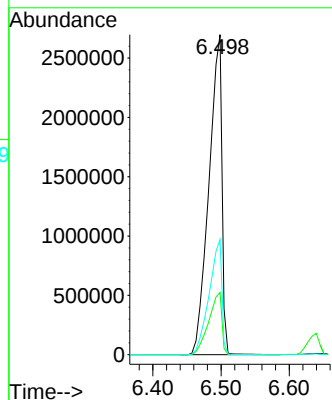
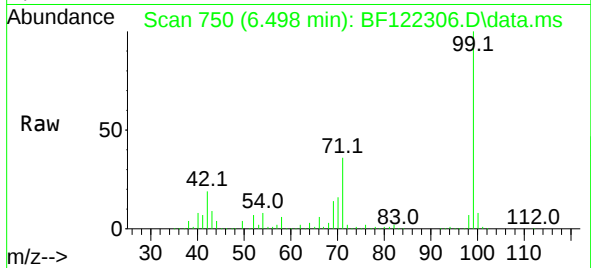
Tgt Ion: 99 Resp: 3579544

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.9	23.9
71	36.0	27.1	40.7

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

Manual Integrations
APPROVED

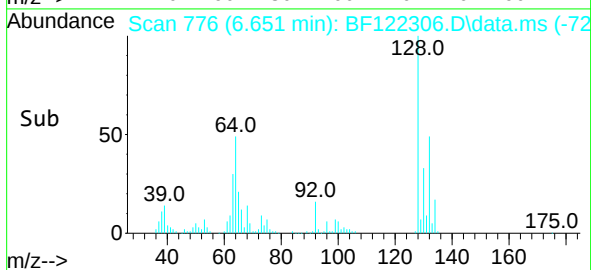
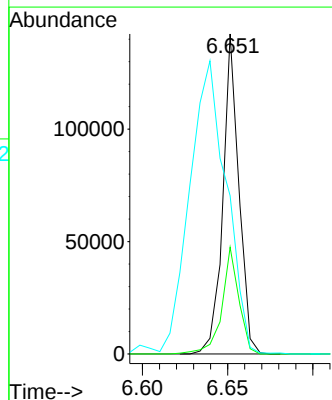
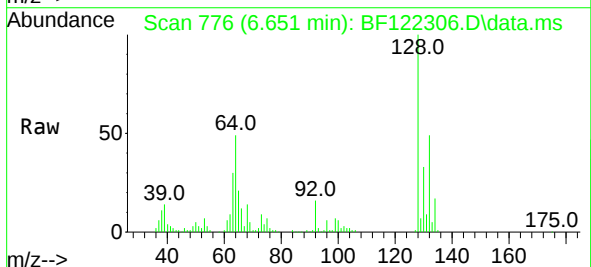
mohammad
11/12/2020 11:39:09 AM

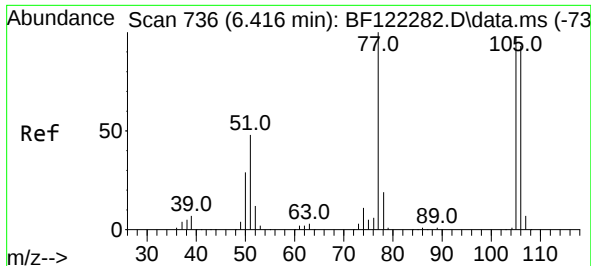


#8
2-Chlorophenol
Concen: 4.01 ng
RT: 6.651 min Scan# 776
Delta R.T. 0.000 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion: 128 Resp: 92996

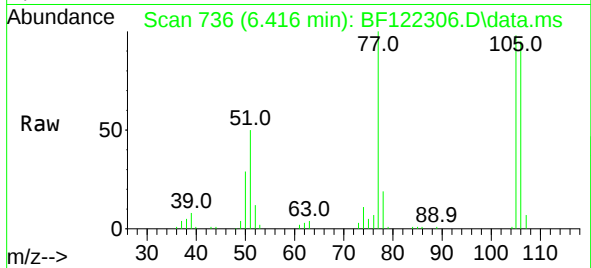
Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.4	52.4
64	49.5	34.8	74.8





#9
Benzaldehyde
Concen: 4.89 ng
RT: 6.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

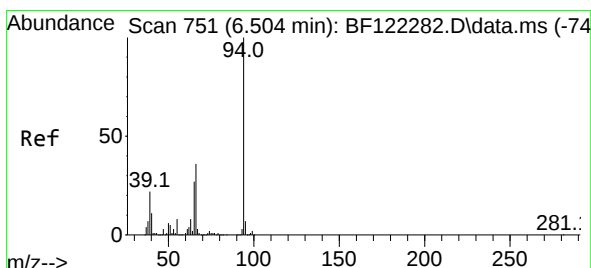
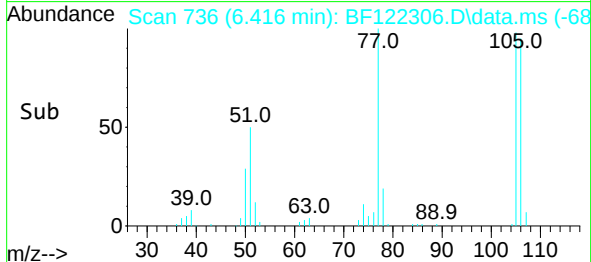
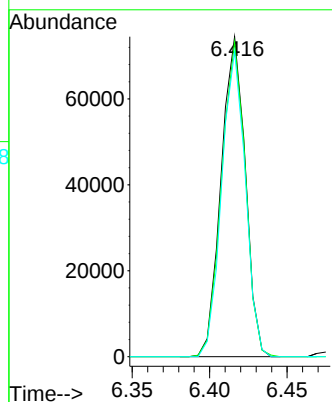
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020



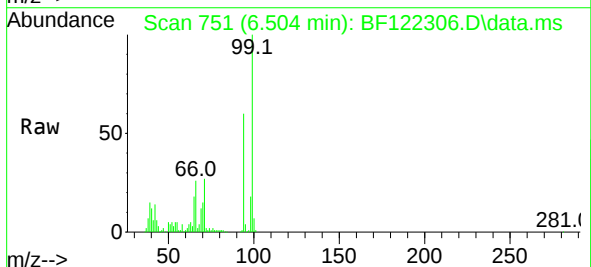
Tgt Ion: 77 Resp: 80713
Ion Ratio Lower Upper
77 100
105 98.4 76.7 116.7
106 95.4 71.3 111.3

Manual Integrations
APPROVED

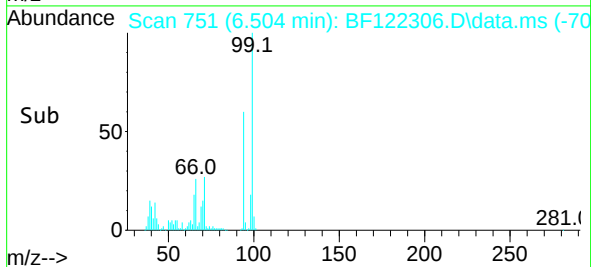
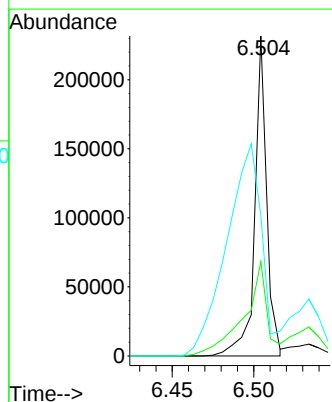
mohammad
11/12/2020 11:39:09 AM

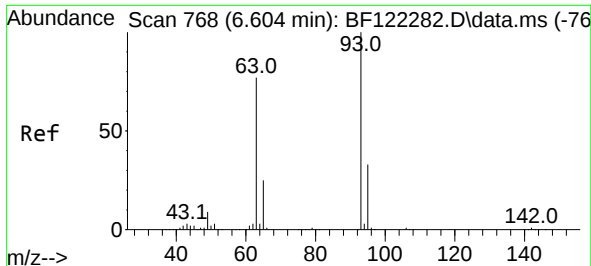


#10
Phenol
Concen: 4.09 ng m
RT: 6.504 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



Tgt Ion: 94 Resp: 117855
Ion Ratio Lower Upper
94 100
65 29.5 17.1 57.1
66 43.9 36.0 76.0





#11

bis(2-Chloroethyl)ether

Concen: 4.14 ng

RT: 6.604 min Scan# 768

Delta R.T. 0.000 min

Lab File: BF122306.D

Acq: 11 Nov 2020 10:41

Tgt Ion:	93	Resp:	94807
Ion	Ratio	Lower	Upper
93	100		
63	73.3	62.4	102.4
95	33.8	12.6	52.6

Instrument :

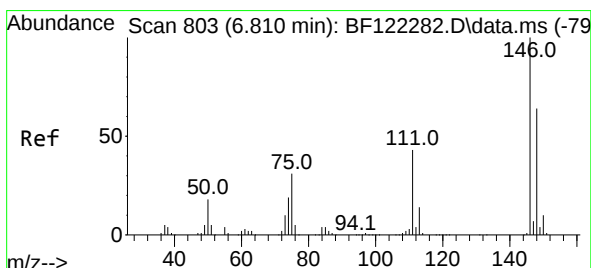
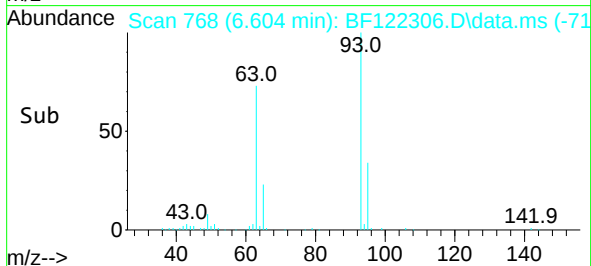
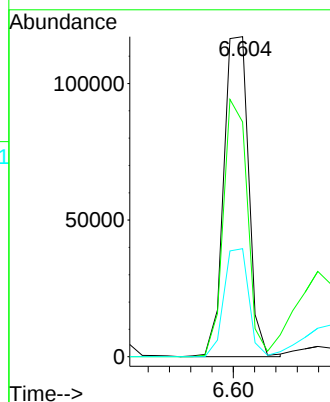
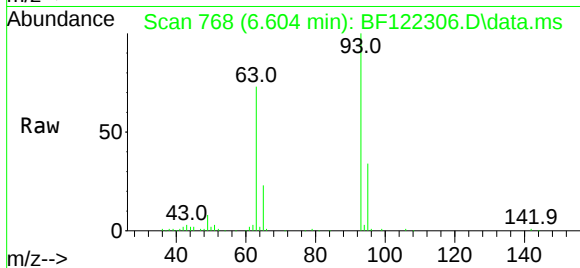
BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2020

Manual Integrations
APPROVED

mohammad
11/12/2020 11:39:09 AM



#12

1,3-Dichlorobenzene

Concen: 4.14 ng

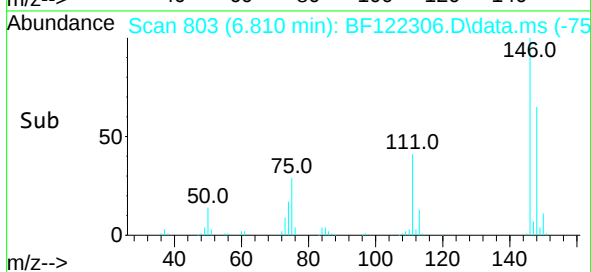
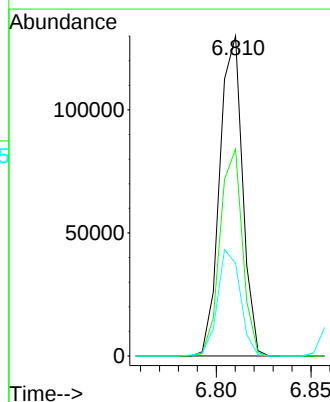
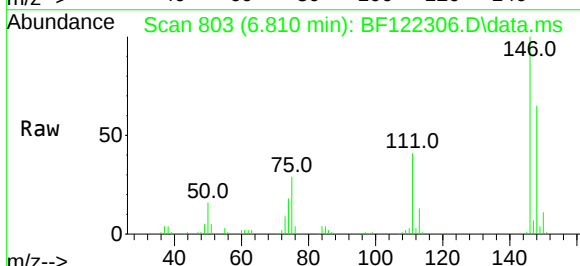
RT: 6.810 min Scan# 803

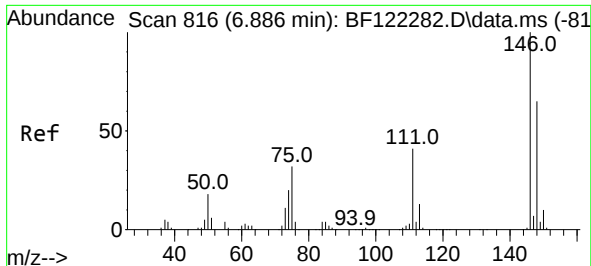
Delta R.T. 0.000 min

Lab File: BF122306.D

Acq: 11 Nov 2020 10:41

Tgt Ion:	146	Resp:	109113
Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.0	76.4
75	29.0	27.6	41.4





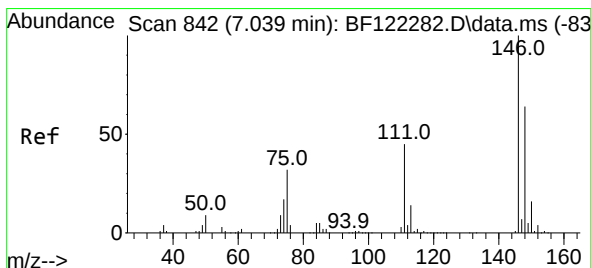
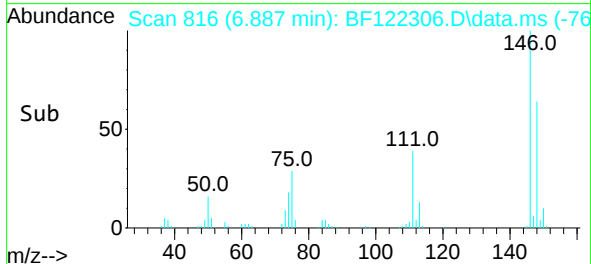
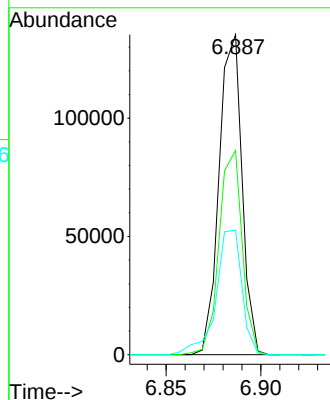
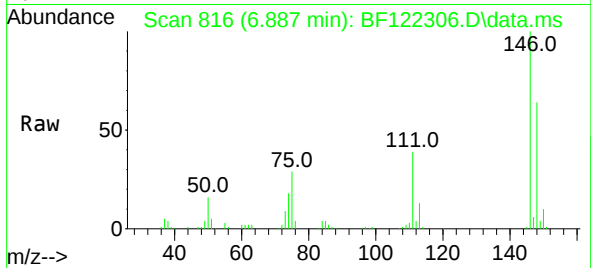
#13
1,4-Dichlorobenzene
Concen: 4.31 ng
RT: 6.887 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:146 Resp: 113968
Ion Ratio Lower Upper
146 100
148 63.8 50.1 75.1
111 38.9 34.6 52.0

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

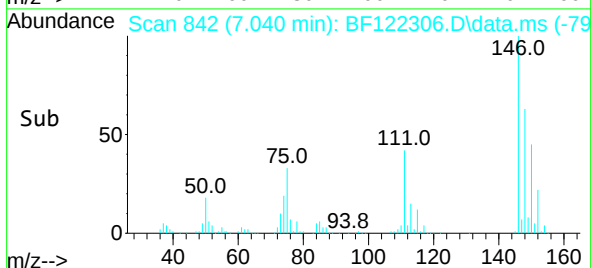
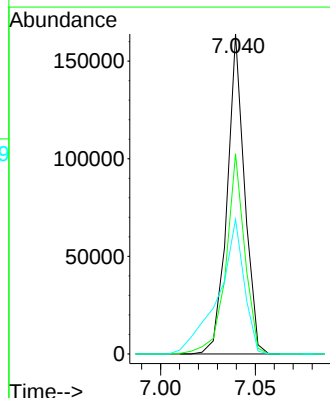
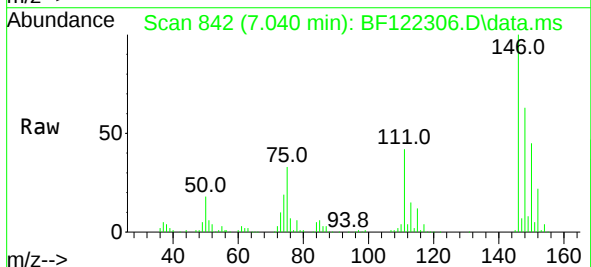
Manual Integrations
APPROVED

mohammad
11/12/2020 11:39:09 AM



#14
1,2-Dichlorobenzene
Concen: 4.25 ng
RT: 7.040 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:146 Resp: 104925
Ion Ratio Lower Upper
146 100
148 62.6 51.1 76.7
111 42.1 34.2 51.4





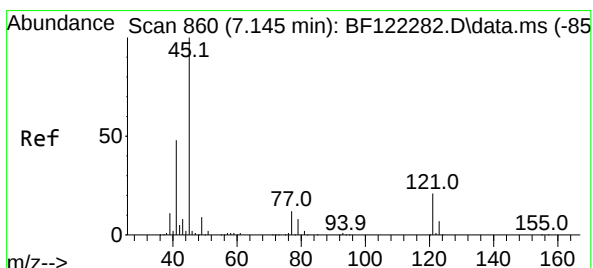
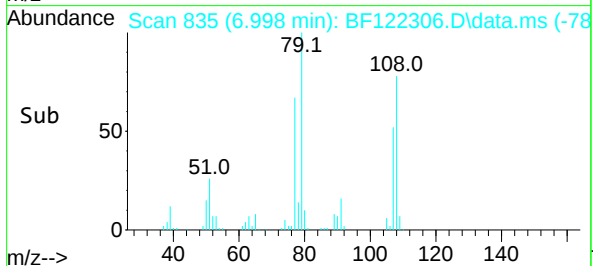
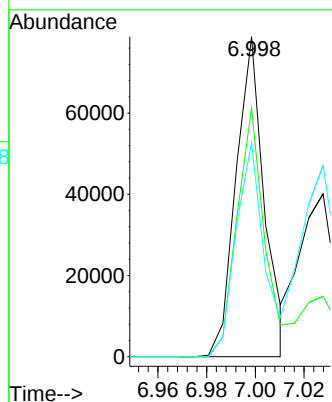
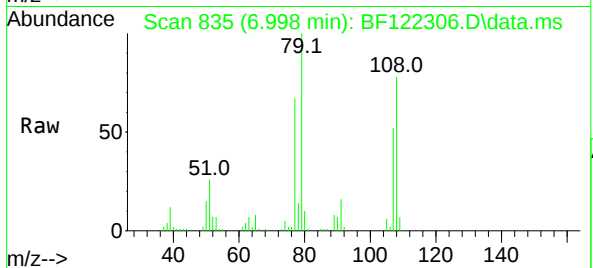
#15
Benzyl Alcohol
Concen: 3.06 ng
RT: 6.998 min Scan# 835
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion: 79 Resp: 63724
Ion Ratio Lower Upper
79 100
108 77.7 62.3 93.5
77 66.9 50.6 75.8

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

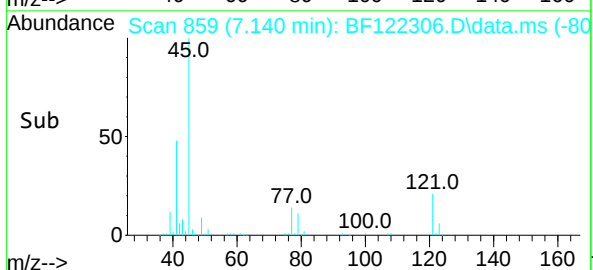
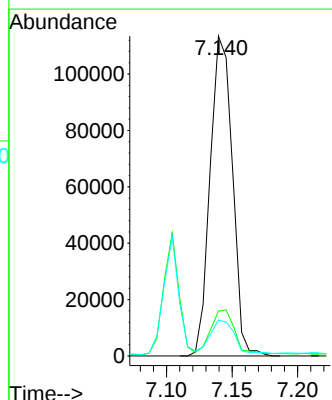
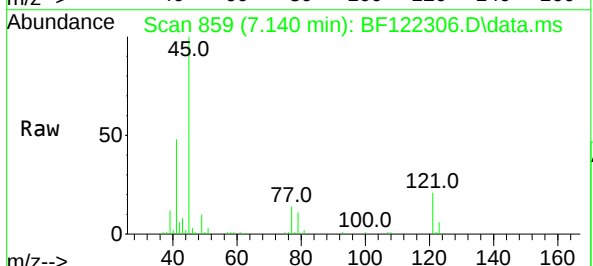
Manual Integrations
APPROVED

mohammad
11/12/2020 11:39:09 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.02 ng
RT: 7.140 min Scan# 859
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion: 45 Resp: 134129
Ion Ratio Lower Upper
45 100
77 14.0 0.0 33.3
79 11.2 0.0 30.4





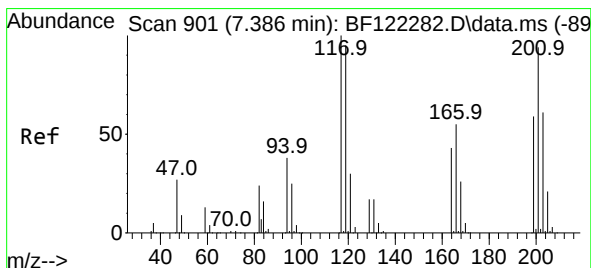
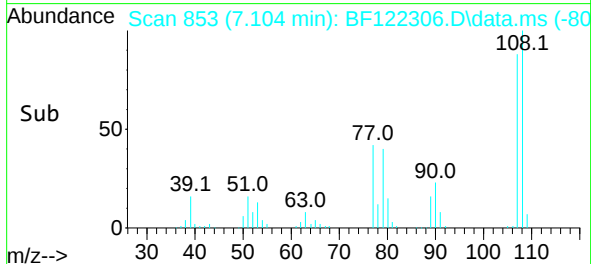
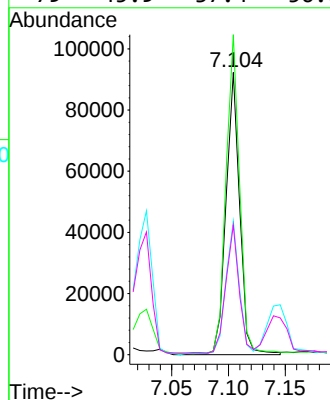
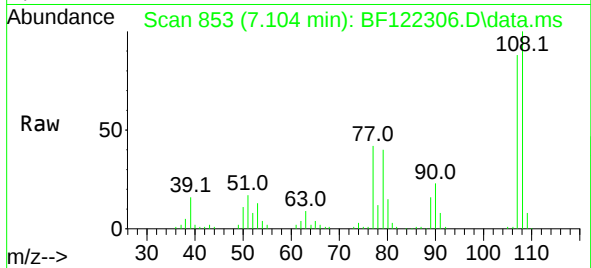
#17
2-Methylphenol
Concen: 4.02 ng
RT: 7.104 min Scan# 853
Delta R.T. -0.011 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:	107	Resp:	77943
Ion	Ratio	Lower	Upper
107	100		
108	113.4	90.9	136.3
77	47.4	37.5	56.3
79	45.9	37.4	56.0

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

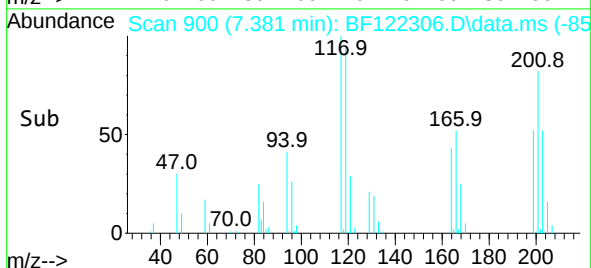
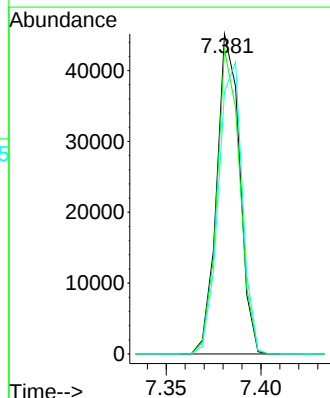
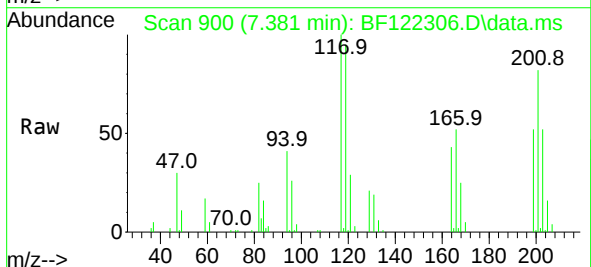
Manual Integrations
APPROVED

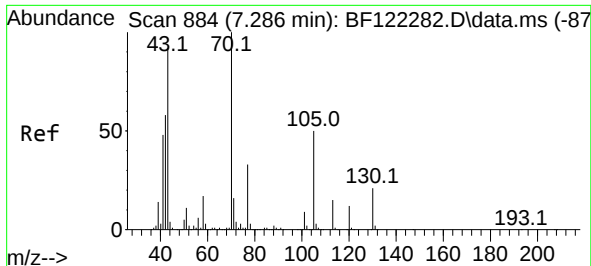
mohammad
11/12/2020 11:39:09 AM



#18
Hexachloroethane
Concen: 4.13 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

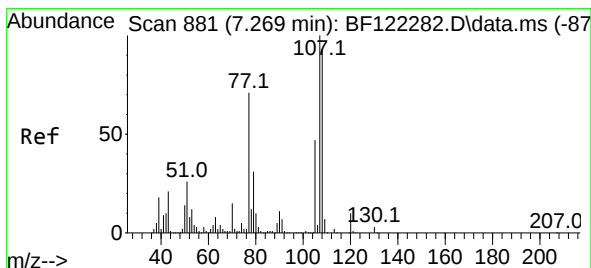
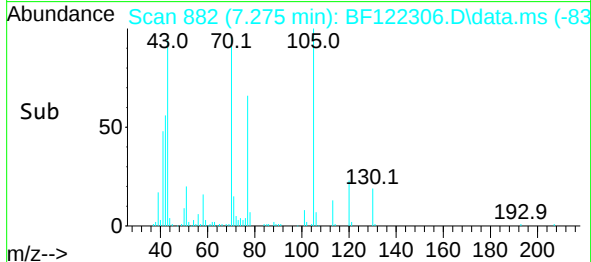
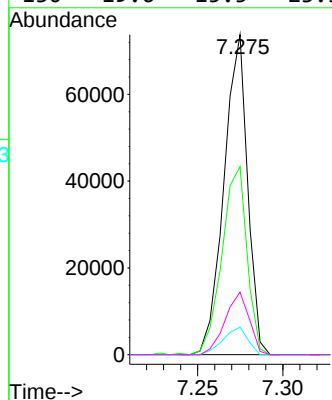
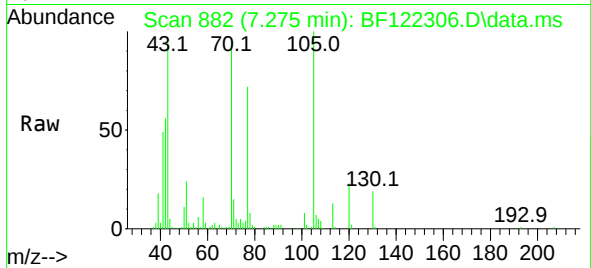
Tgt Ion:	117	Resp:	38115
Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.3	114.5
201	82.0	71.8	107.6





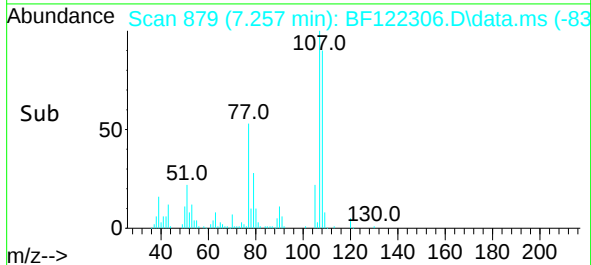
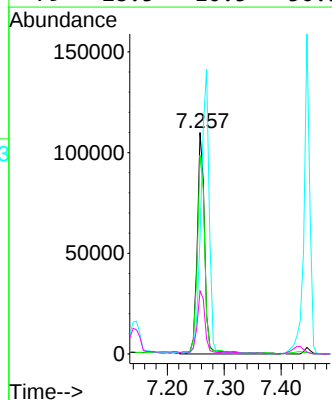
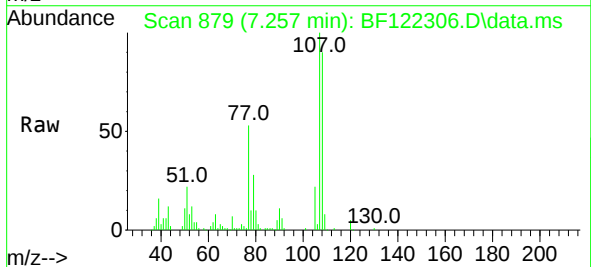
#19
n-Nitroso-di-n-propylamine
Concen: 4.06 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.011 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:	70	Resp:	71075
Ion Ratio	Lower	Upper	
70	100		
42	58.8	50.2	75.4
101	8.6	7.5	11.3
130	19.6	15.5	23.3



#20
3+4-Methylphenols
Concen: 4.27 ng
RT: 7.257 min Scan# 879
Delta R.T. -0.011 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:	107	Resp:	101738
Ion Ratio	Lower	Upper	
107	100		
108	89.7	68.9	108.9
77	53.0	108.0	148.0#
79	28.5	10.5	50.5



Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

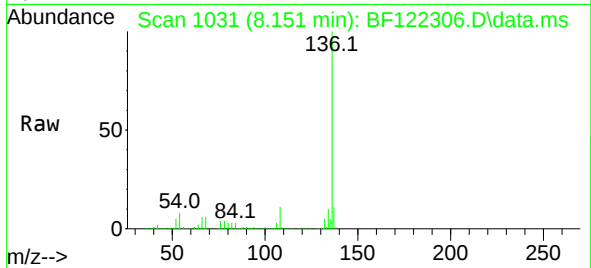
Manual Integrations
APPROVED

mohammad
11/12/2020 11:39:09 AM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

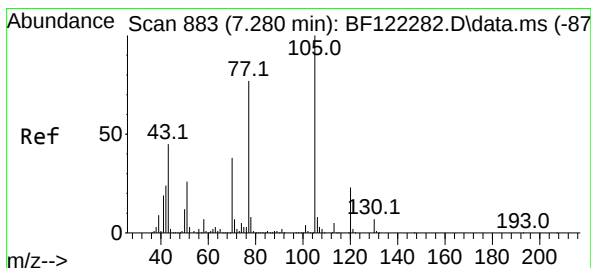
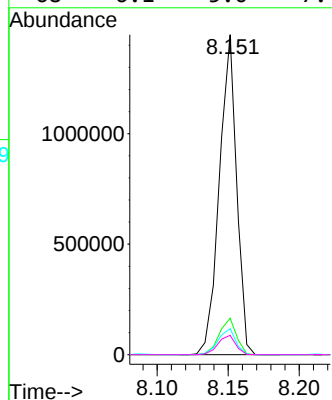


Tgt Ion:136 Resp: 1219998

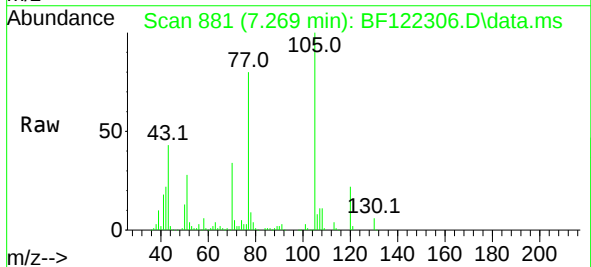
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	8.2	7.1	10.7
68	6.1	5.0	7.4

Manual Integrations
APPROVED

mohammad
11/12/2020 11:39:09 AM

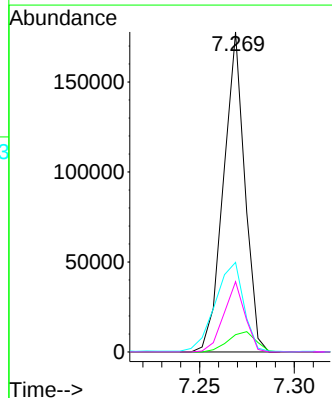
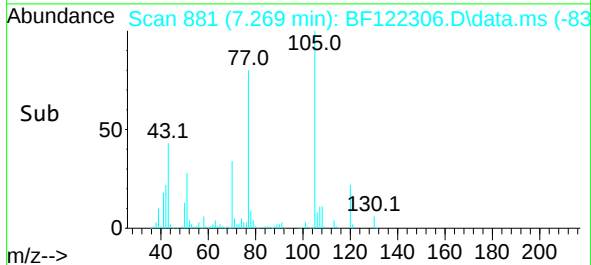


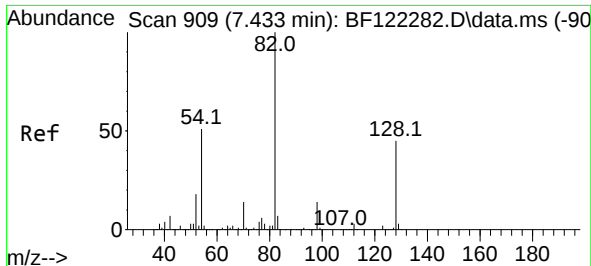
#22
Acetophenone
Concen: 4.37 ng
RT: 7.269 min Scan# 881
Delta R.T. -0.011 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



Tgt Ion:105 Resp: 138879

Ion	Ratio	Lower	Upper
105	100		
71	5.4	5.3	7.9
51	28.0	33.2	49.8#
120	21.9	17.4	26.0





#23

Nitrobenzene-d5

Concen: 118.32 ng

RT: 7.434 min Scan# 909

Delta R.T. 0.000 min

Lab File: BF122306.D

Acq: 11 Nov 2020 10:41

Tgt Ion: 82 Resp: 2357958

Ion	Ratio	Lower	Upper
82	100		
128	46.1	35.0	52.4
54	51.2	43.9	65.9

Instrument :

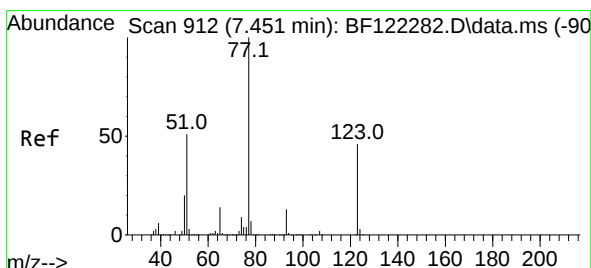
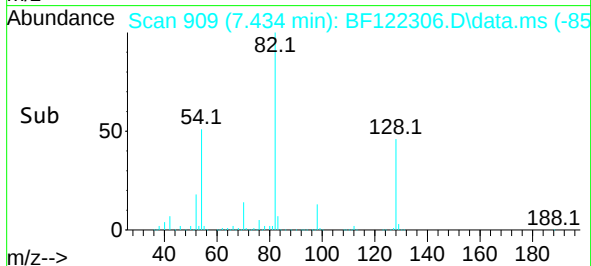
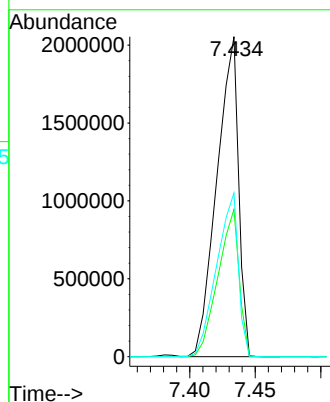
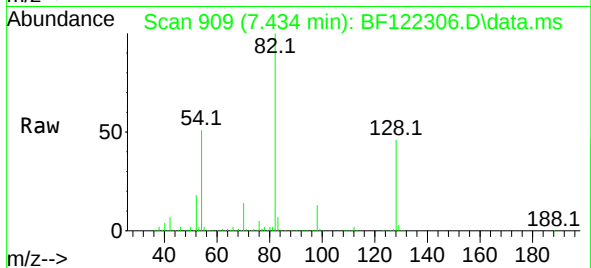
BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2020

Manual Integrations
APPROVED

mohammad
11/12/2020 11:39:09 AM



#24

Nitrobenzene

Concen: 4.85 ng

RT: 7.445 min Scan# 911

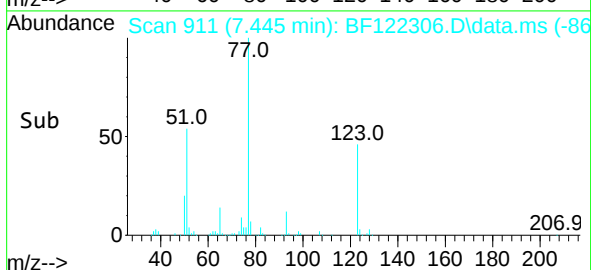
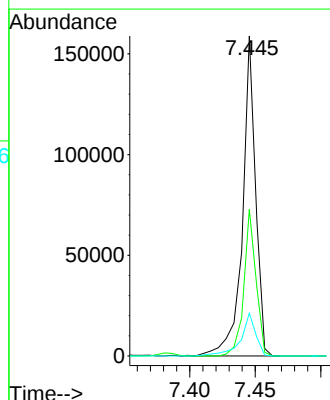
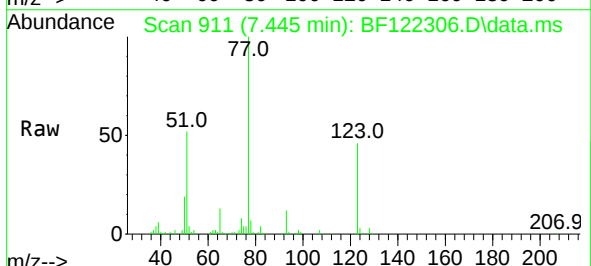
Delta R.T. -0.005 min

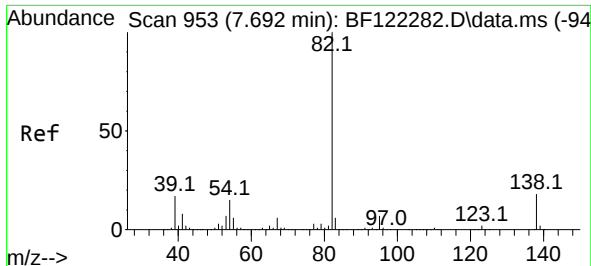
Lab File: BF122306.D

Acq: 11 Nov 2020 10:41

Tgt Ion: 77 Resp: 110546

Ion	Ratio	Lower	Upper
77	100		
123	45.9	35.6	53.4
65	13.4	11.2	16.8





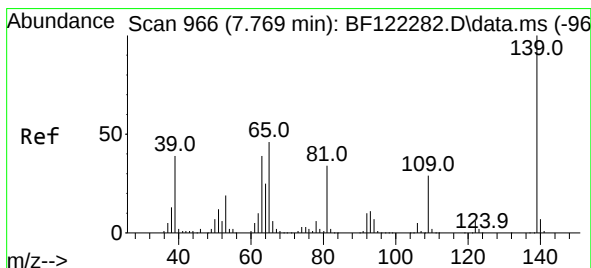
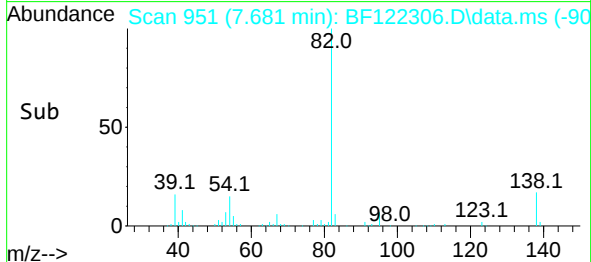
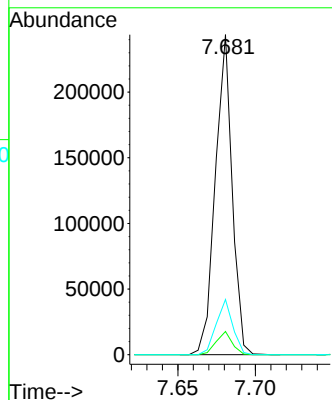
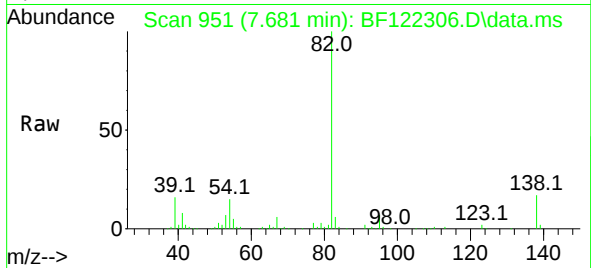
#25
Isophorone
Concen: 4.14 ng
RT: 7.681 min Scan# 951
Delta R.T. -0.011 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion: 82 Resp: 183716
Ion Ratio Lower Upper
82 100
95 7.2 5.4 8.0
138 17.2 13.4 20.0

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

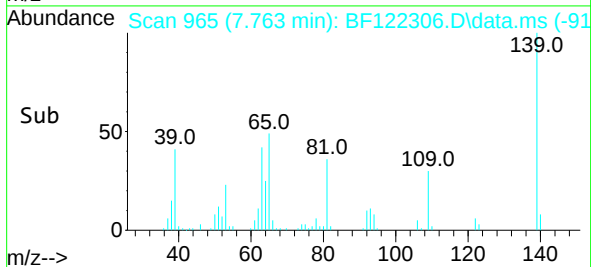
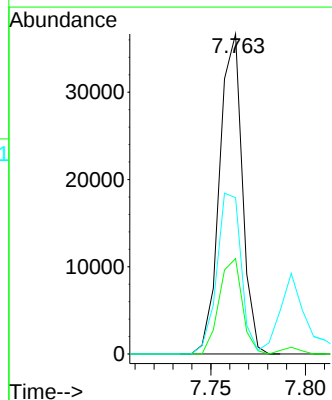
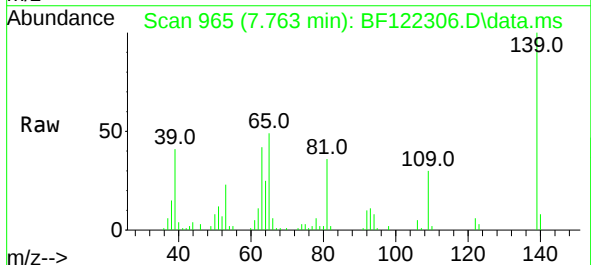
Manual Integrations
APPROVED

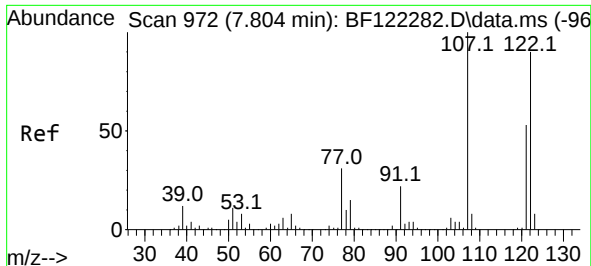
mohammad
11/12/2020 11:39:09 AM



#26
2-Nitrophenol
Concen: 3.98 ng
RT: 7.763 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion: 139 Resp: 30620
Ion Ratio Lower Upper
139 100
109 29.8 23.0 34.4
65 48.8 39.9 59.9





#27

2,4-Dimethylphenol

Concen: 4.14 ng

RT: 7.792 min Scan# 970

Delta R.T. -0.012 min

Lab File: BF122306.D

Acq: 11 Nov 2020 10:41

Tgt Ion:122	Resp:	86666
Ion Ratio	Lower	Upper
122	100	
107	110.6	90.8 136.2
121	55.0	47.5 71.3

Instrument :

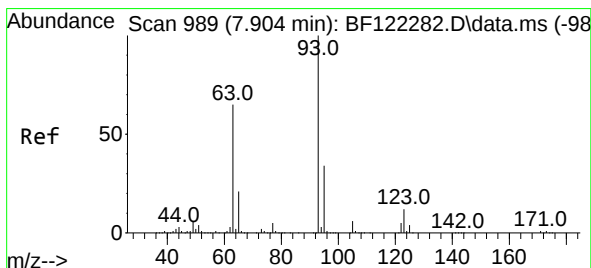
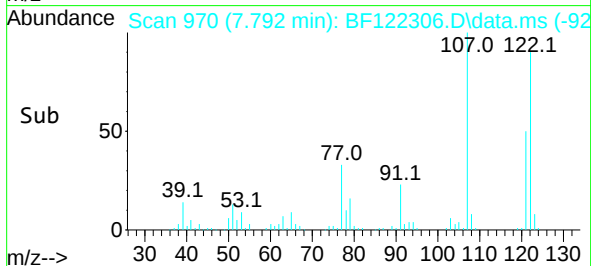
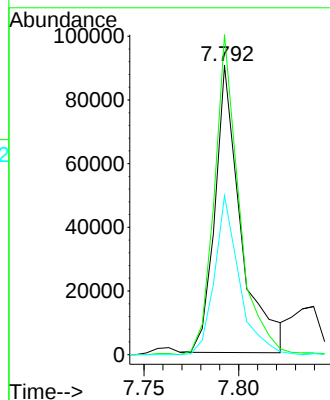
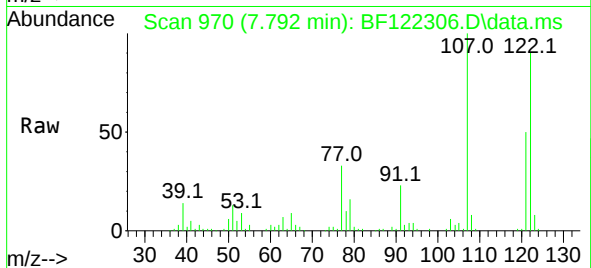
BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2020

Manual Integrations
APPROVED

mohammad
11/12/2020 11:39:09 AM



#28

bis(2-Chloroethoxy)methane

Concen: 4.29 ng

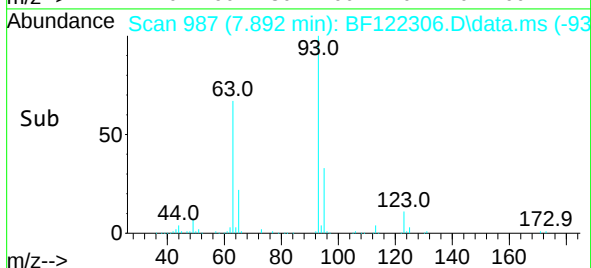
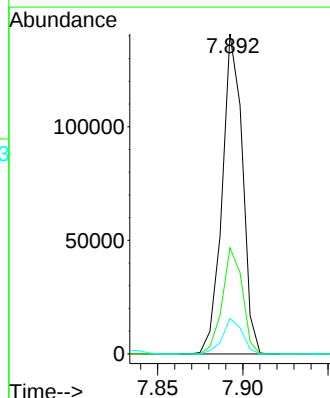
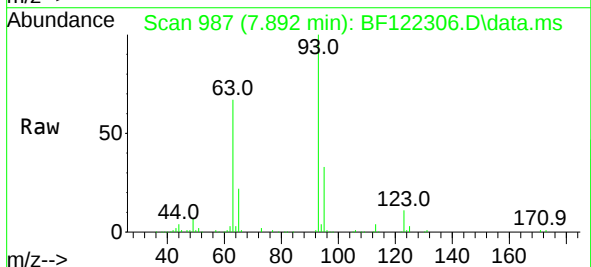
RT: 7.892 min Scan# 987

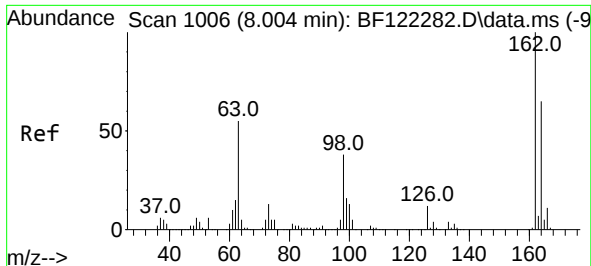
Delta R.T. -0.011 min

Lab File: BF122306.D

Acq: 11 Nov 2020 10:41

Tgt Ion: 93	Resp:	116528
Ion Ratio	Lower	Upper
93	100	
95	33.2	26.2 39.4
123	11.1	8.8 13.2





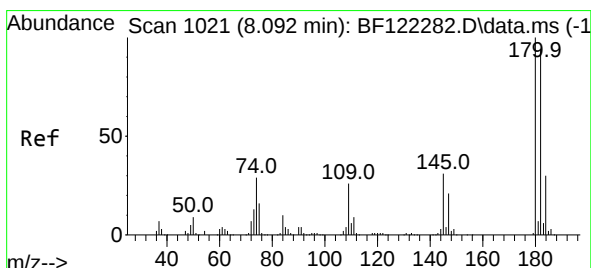
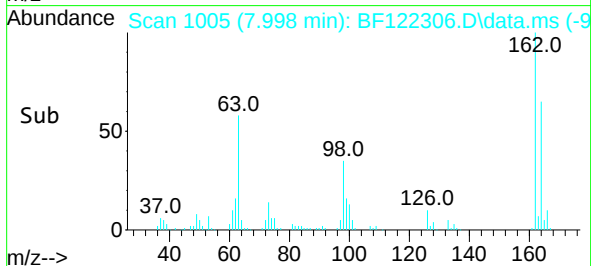
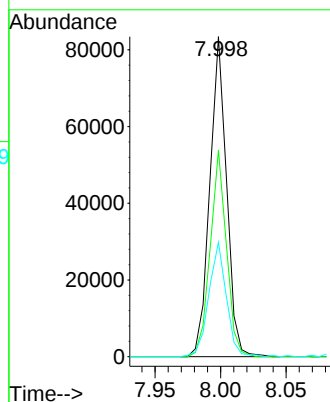
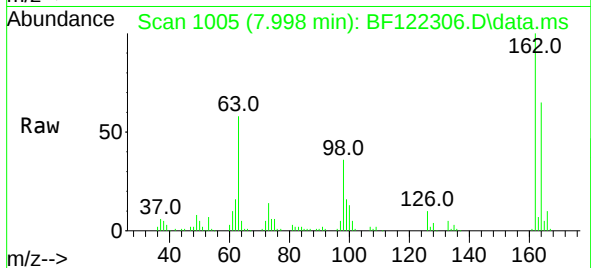
#29
2,4-Dichlorophenol
Concen: 4.01 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:162 Resp: 74415
Ion Ratio Lower Upper
162 100
164 64.6 42.5 82.5
98 35.7 20.1 60.1

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

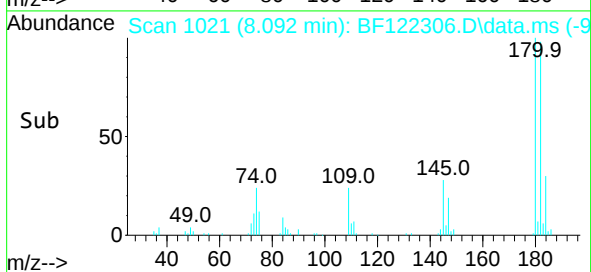
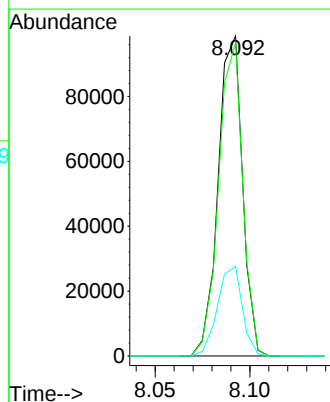
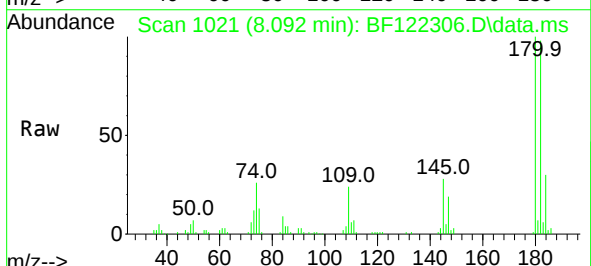
Manual Integrations
APPROVED

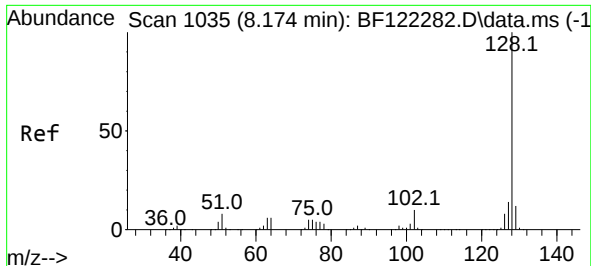
mohammad
11/12/2020 11:39:09 AM



#30
1,2,4-Trichlorobenzene
Concen: 4.32 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:180 Resp: 88404
Ion Ratio Lower Upper
180 100
182 97.8 79.4 119.2
145 27.9 25.5 38.3





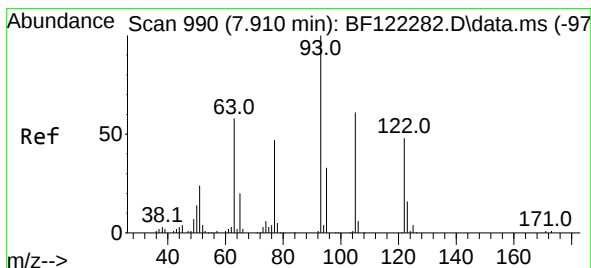
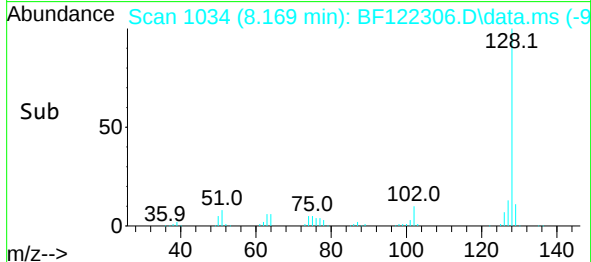
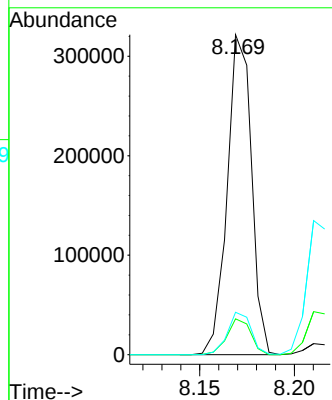
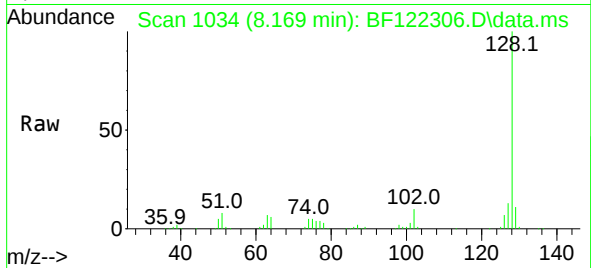
#31
Naphthalene
Concen: 4.42 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:128 Resp: 286368
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.2 10.8 16.2

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

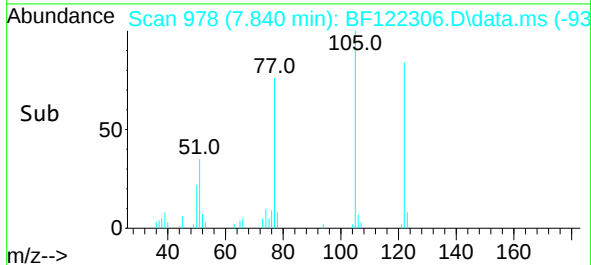
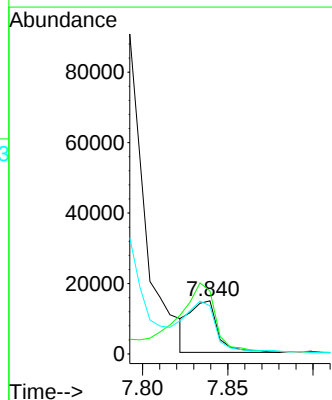
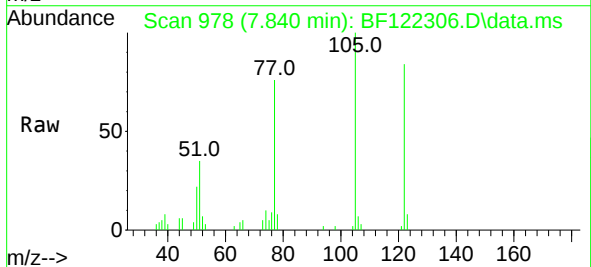
Manual Integrations
APPROVED

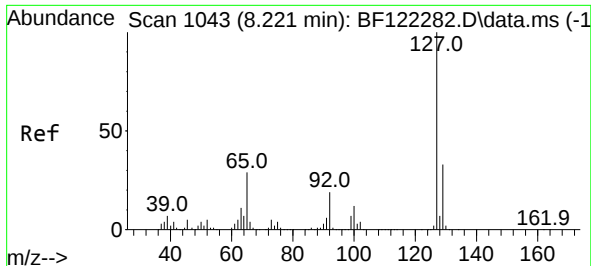
mohammad
11/12/2020 11:39:09 AM



#32
Benzoic acid
Concen: 1.75 ng
RT: 7.840 min Scan# 978
Delta R.T. -0.070 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:122 Resp: 16542
Ion Ratio Lower Upper
122 100
105 118.4 103.3 143.3
77 90.6 73.9 113.9





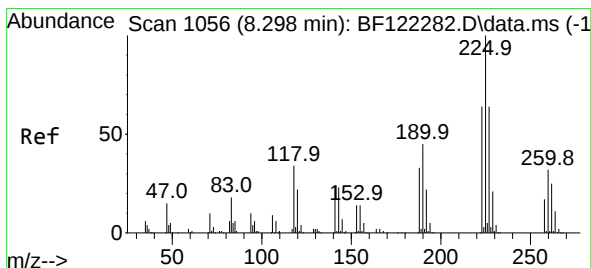
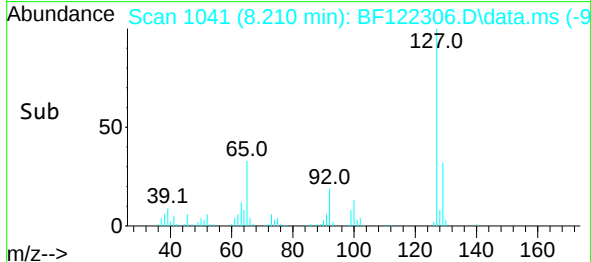
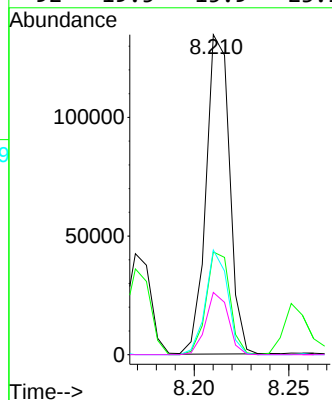
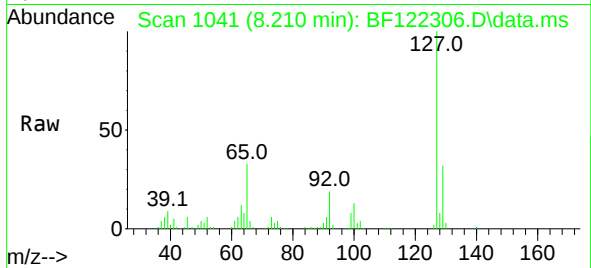
#33
4-Chloroaniline
Concen: 4.13 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.011 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:	127	Resp:	116698
Ion Ratio	Lower	Upper	
127	100		
129	32.1	26.3	39.5
65	32.7	26.2	39.2
92	19.5	15.9	23.9

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

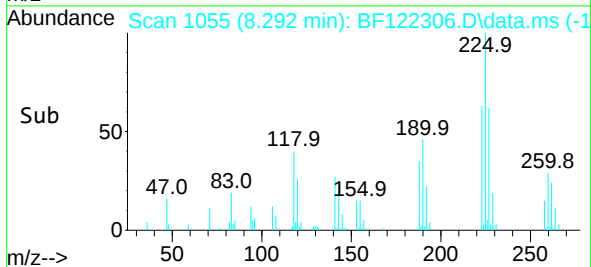
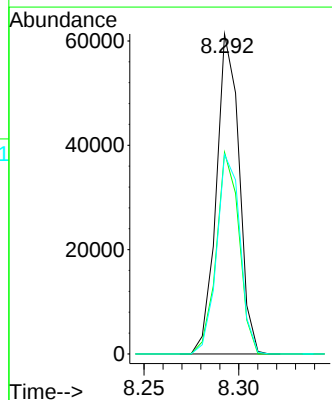
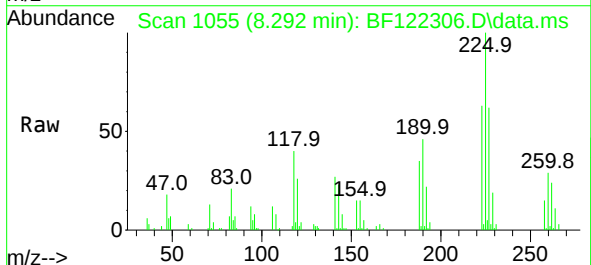
Manual Integrations
APPROVED

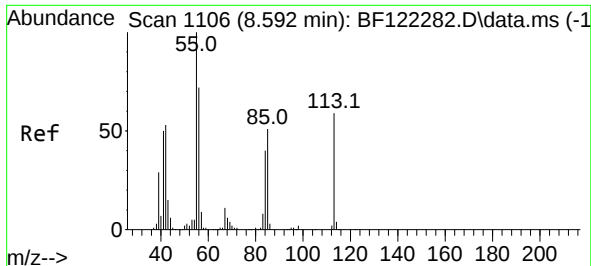
mohammad
11/12/2020 11:39:09 AM



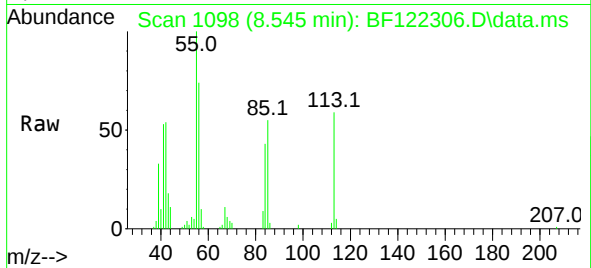
#34
Hexachlorobutadiene
Concen: 4.35 ng
RT: 8.292 min Scan# 1055
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:	225	Resp:	51253
Ion Ratio	Lower	Upper	
225	100		
223	63.1	51.1	76.7
227	62.4	51.0	76.6

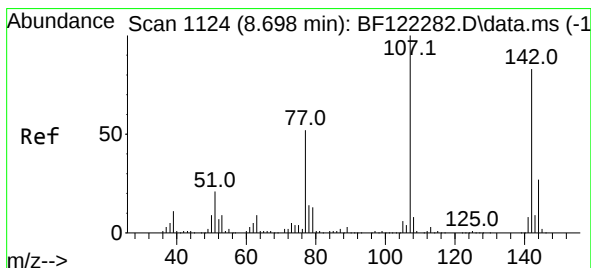
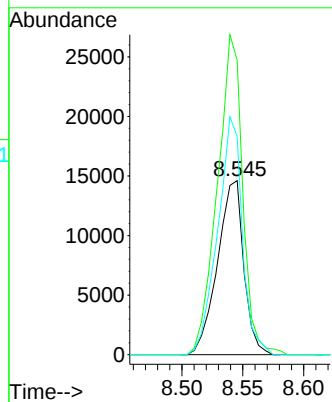
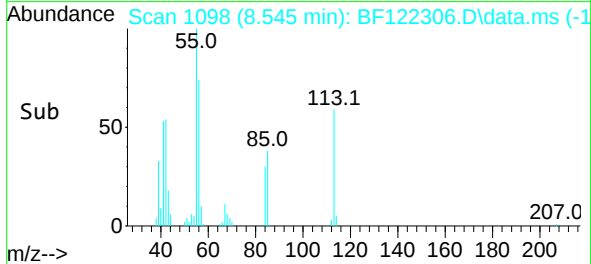




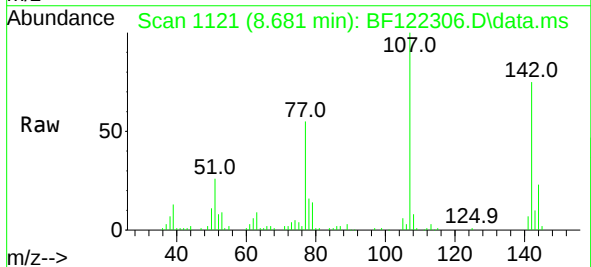
#35
Caprolactam
Concen: 3.73 ng
RT: 8.545 min Scan# 1098
Delta R.T. -0.047 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



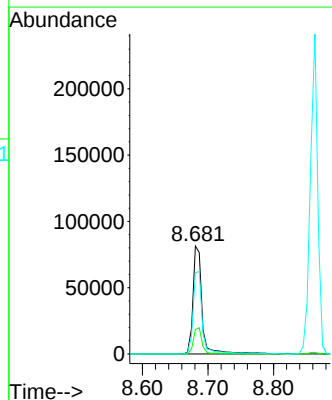
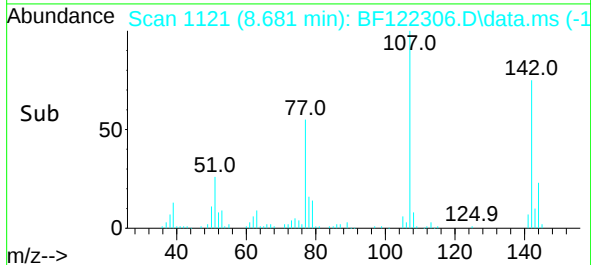
Tgt Ion:113 Resp: 21941
Ion Ratio Lower Upper
113 100
55 169.2 167.5 207.5
56 125.3 121.2 161.2



#36
4-Chloro-3-methylphenol
Concen: 4.07 ng
RT: 8.681 min Scan# 1121
Delta R.T. -0.017 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



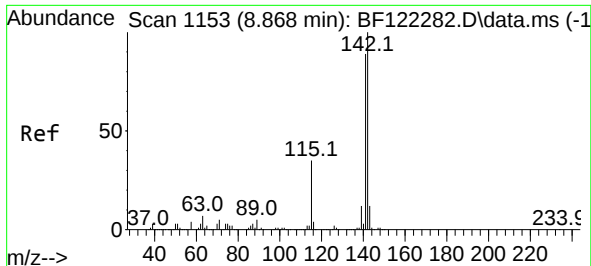
Tgt Ion:107 Resp: 78703
Ion Ratio Lower Upper
107 100
144 22.6 20.1 30.1
142 75.1 59.3 88.9



Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

Manual Integrations
APPROVED

mohammad
11/12/2020 11:39:09 AM



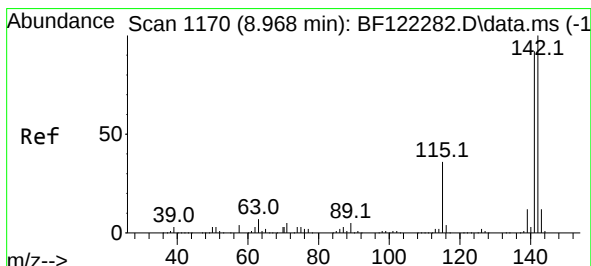
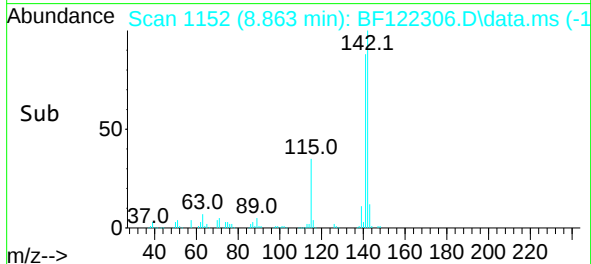
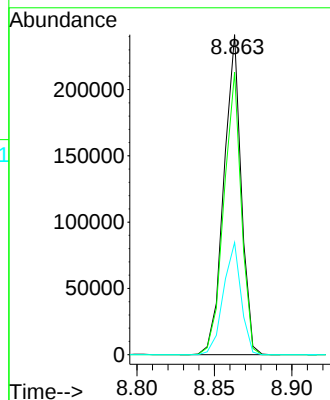
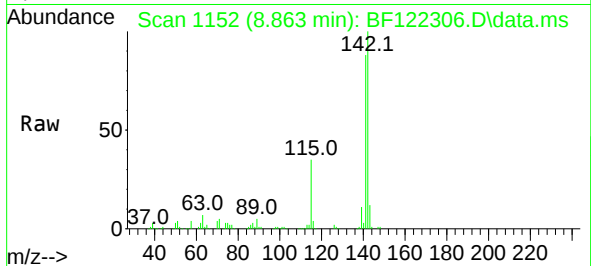
#37
2-Methylnaphthalene
Concen: 4.39 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:142 Resp: 187919
Ion Ratio Lower Upper
142 100
141 88.3 70.2 105.4
115 35.1 28.6 43.0

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

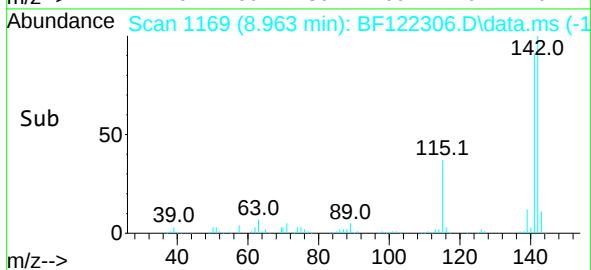
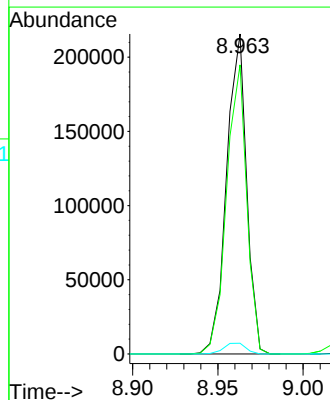
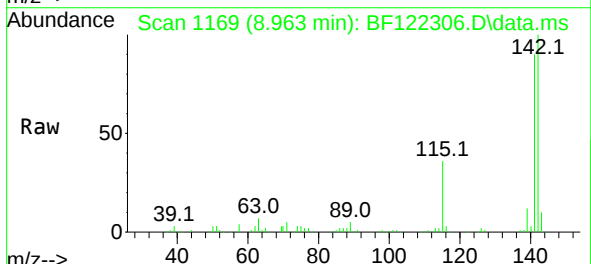
Manual Integrations
APPROVED

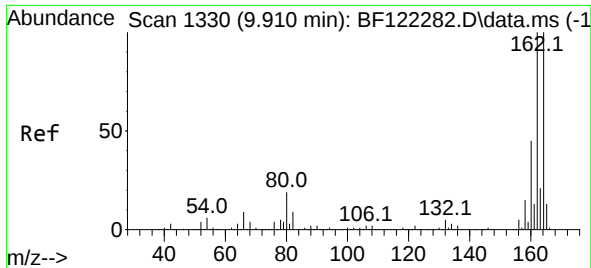
mohammad
11/12/2020 11:39:09 AM



#38
1-Methylnaphthalene
Concen: 4.39 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

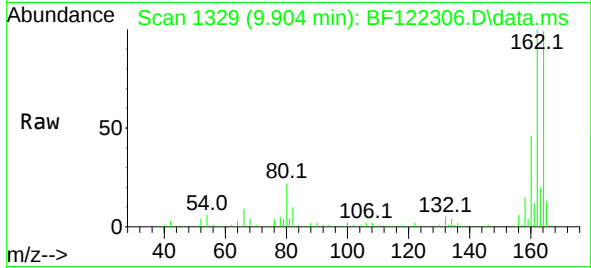
Tgt Ion:142 Resp: 175904
Ion Ratio Lower Upper
142 100
141 90.4 74.5 111.7
116 3.3 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

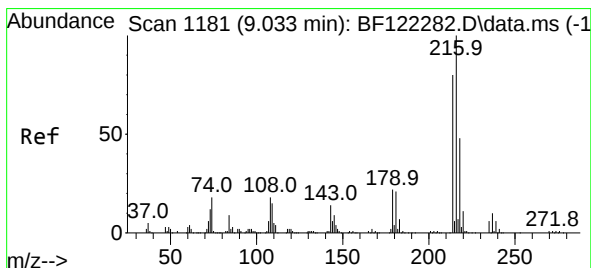
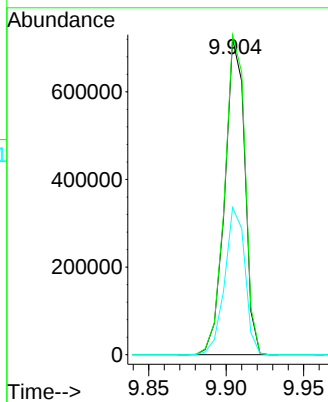
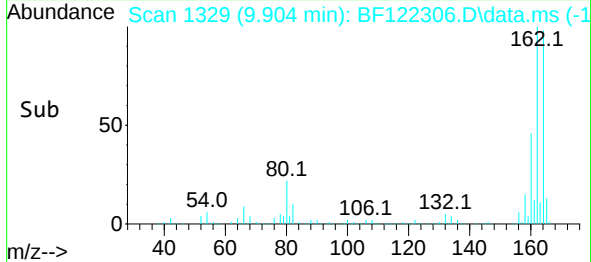
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020



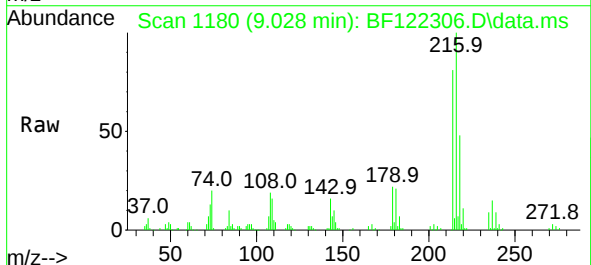
Tgt Ion:164 Resp: 650110
Ion Ratio Lower Upper
164 100
162 101.3 83.2 124.8
160 46.6 37.5 56.3

Manual Integrations
APPROVED

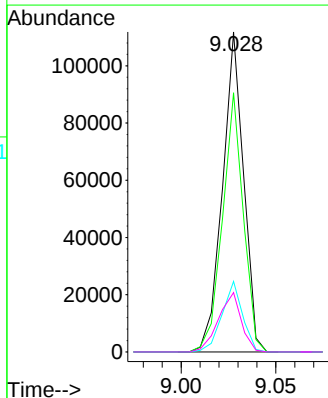
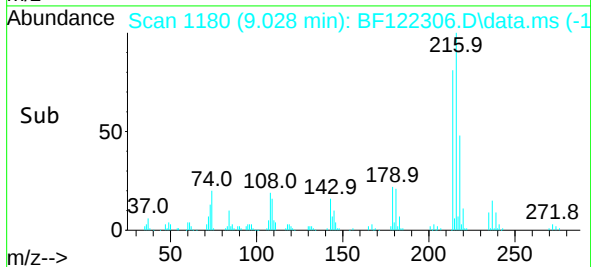
mohammad
11/12/2020 11:39:09 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.33 ng
RT: 9.028 min Scan# 1180
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



Tgt Ion:216 Resp: 86646
Ion Ratio Lower Upper
216 100
214 79.7 63.4 95.2
179 21.6 17.0 25.6
108 20.2 15.5 23.3





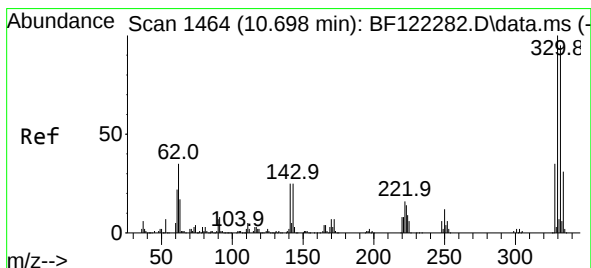
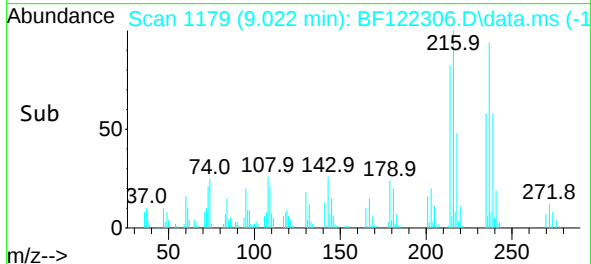
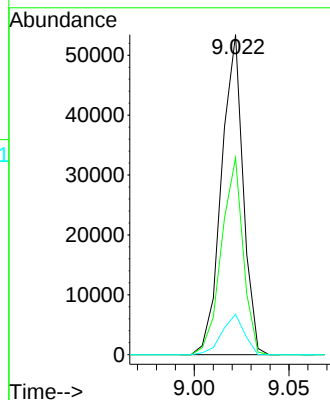
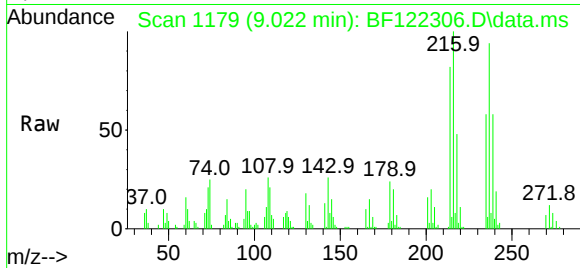
#41
Hexachlorocyclopentadiene
Concen: 3.62 ng
RT: 9.022 min Scan# 1179
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:	237	Resp:	42425
Ion Ratio	Lower	Upper	
237	100		
235	61.5	41.8	81.8
272	12.6	0.0	33.5

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

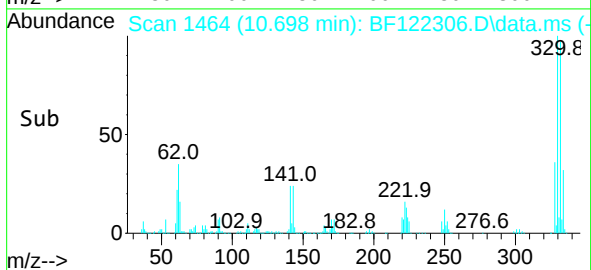
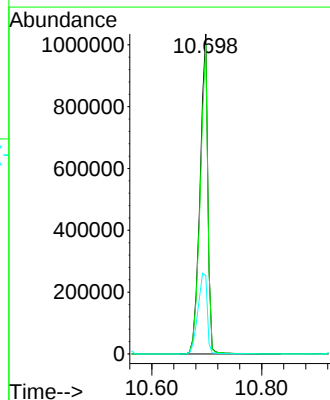
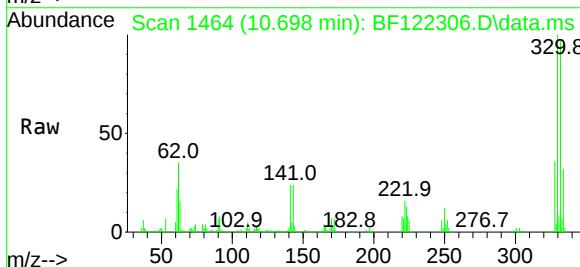
Manual Integrations
APPROVED

mohammad
11/12/2020 11:39:09 AM



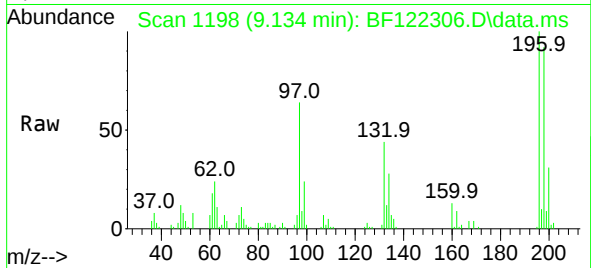
#42
2,4,6-Tribromophenol
Concen: 146.05 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:	330	Resp:	1019051
Ion Ratio	Lower	Upper	
330	100		
332	95.3	77.3	115.9
141	30.2	22.3	33.5

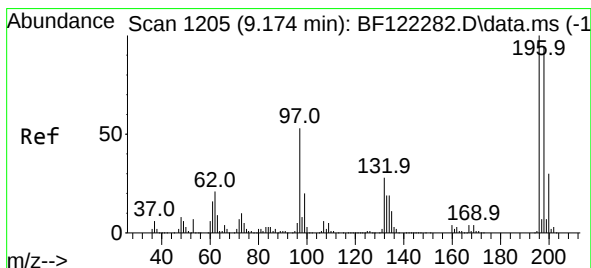
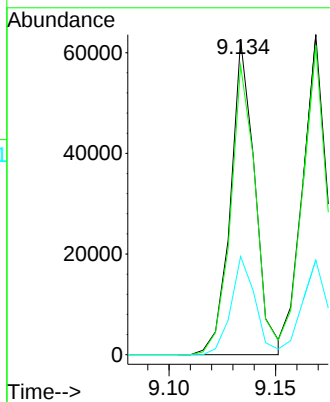
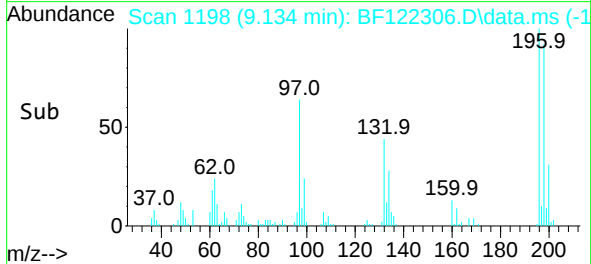




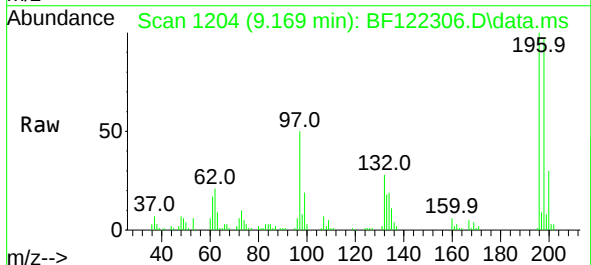
#43
2,4,6-Trichlorophenol
Concen: 3.82 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



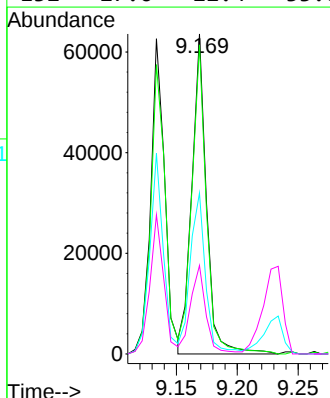
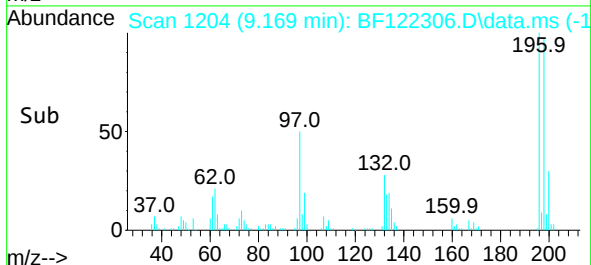
Tgt Ion:196 Resp: 49673
Ion Ratio Lower Upper
196 100
198 91.8 75.8 113.6
200 31.1 24.6 36.8



#44
2,4,5-Trichlorophenol
Concen: 3.93 ng
RT: 9.169 min Scan# 1204
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



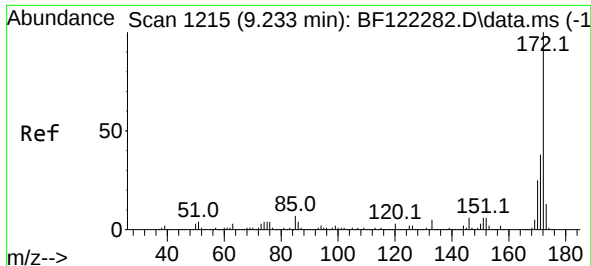
Tgt Ion:196 Resp: 53622
Ion Ratio Lower Upper
196 100
198 96.6 76.1 114.1
97 50.3 41.0 61.6
132 27.6 22.4 33.6



Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

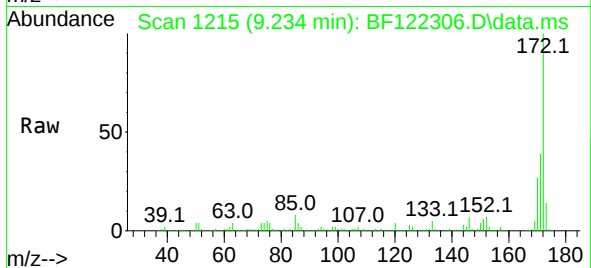
Manual Integrations
APPROVED

mohammad
11/12/2020 11:39:09 AM



#45
2-Fluorobiphenyl
Concen: 90.56 ng
RT: 9.234 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

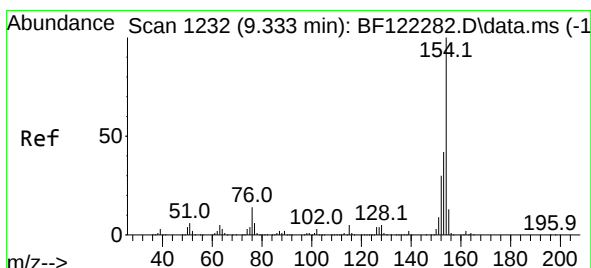
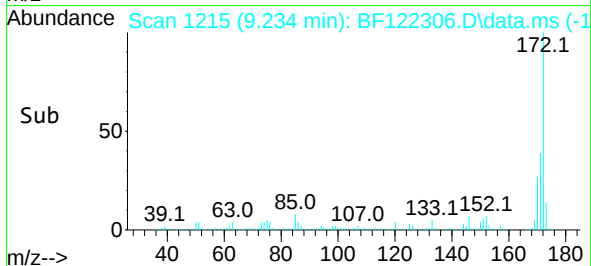
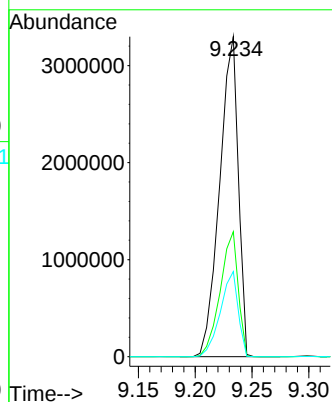
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020



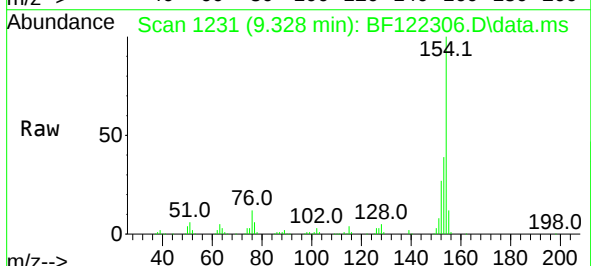
Tgt Ion:172 Resp: 3767862
Ion Ratio Lower Upper
172 100
171 39.1 29.1 43.7
170 26.6 19.8 29.6

Manual Integrations
APPROVED

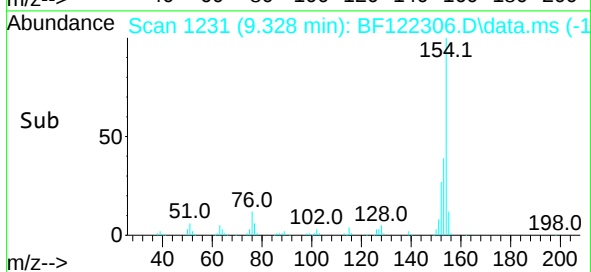
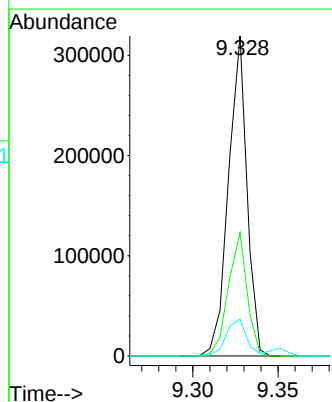
mohammad
11/12/2020 11:39:09 AM

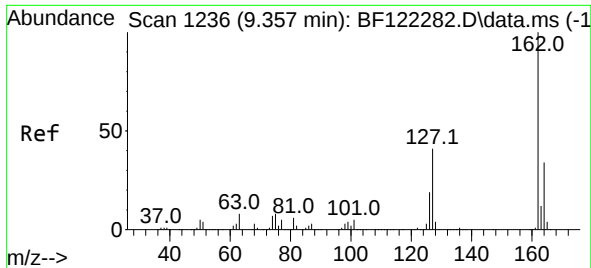


#46
1,1'-Biphenyl
Concen: 4.65 ng
RT: 9.328 min Scan# 1231
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



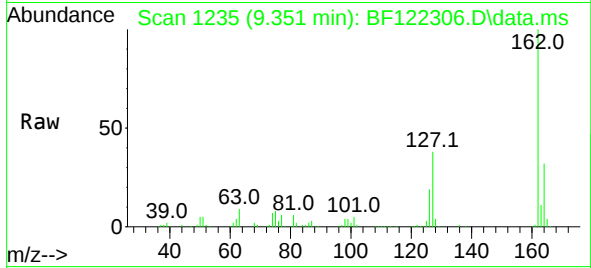
Tgt Ion:154 Resp: 240578
Ion Ratio Lower Upper
154 100
153 38.6 21.3 61.3
76 11.5 0.0 34.7





#47
2-Chloronaphthalene
Concen: 4.46 ng
RT: 9.351 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

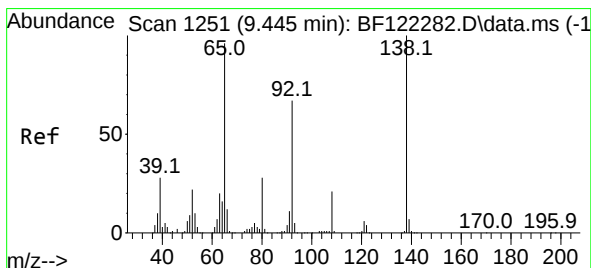
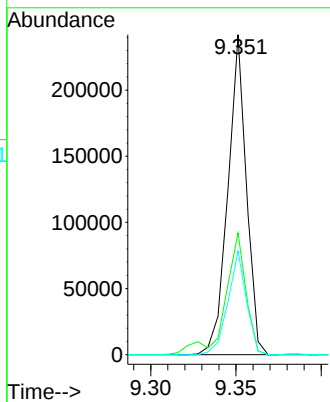
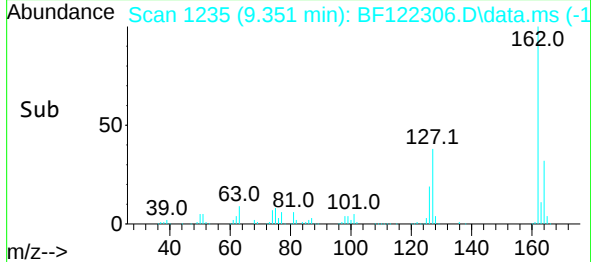
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020



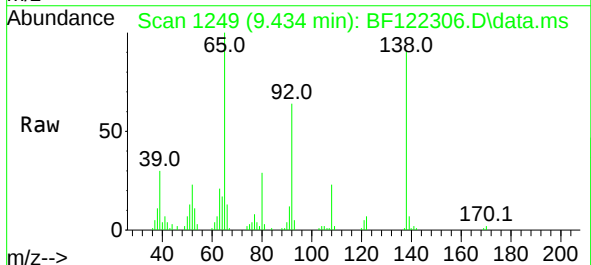
Tgt Ion:162 Resp: 183129
Ion Ratio Lower Upper
162 100
127 38.0 34.4 51.6
164 32.4 26.3 39.5

Manual Integrations
APPROVED

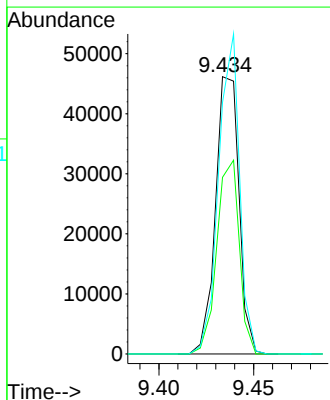
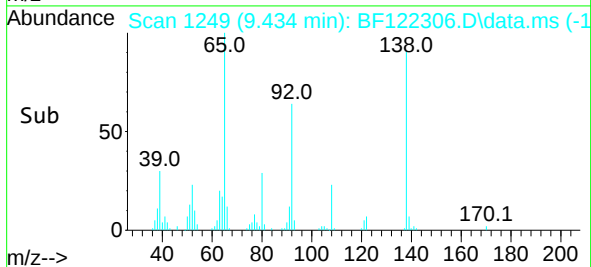
mohammad
11/12/2020 11:39:09 AM

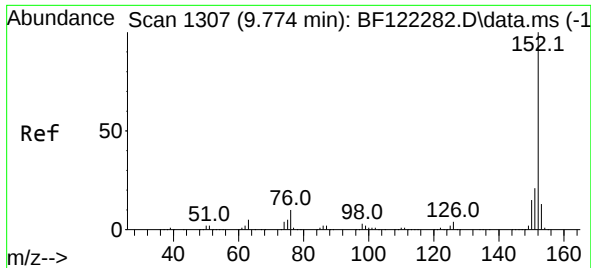


#48
2-Nitroaniline
Concen: 3.96 ng
RT: 9.434 min Scan# 1249
Delta R.T. -0.011 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



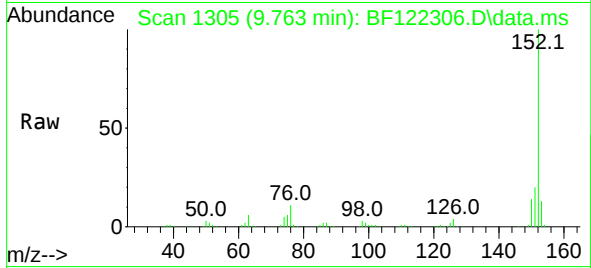
Tgt Ion: 65 Resp: 39923
Ion Ratio Lower Upper
65 100
92 63.7 55.1 82.7
138 90.7 80.5 120.7





#49
Acenaphthylene
Concen: 4.30 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.011 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

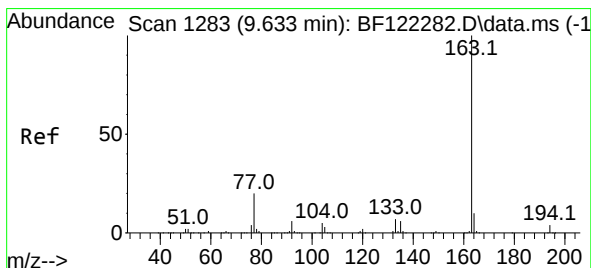
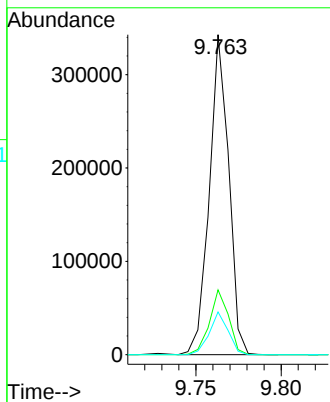
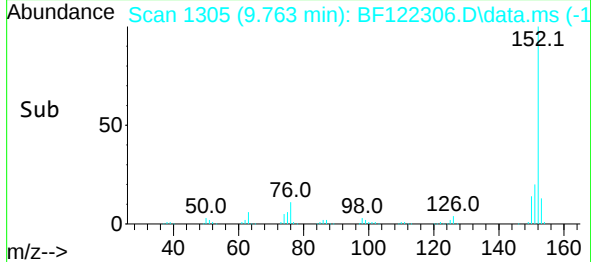
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020



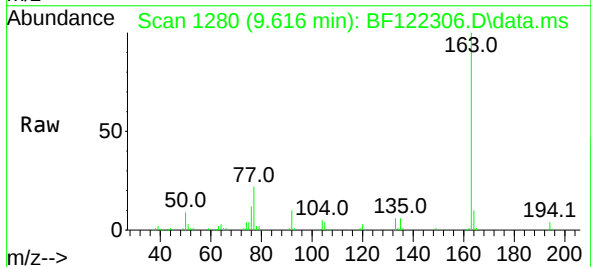
Tgt Ion:152 Resp: 271230
Ion Ratio Lower Upper
152 100
151 20.3 16.4 24.6
153 13.3 10.6 15.8

Manual Integrations
APPROVED

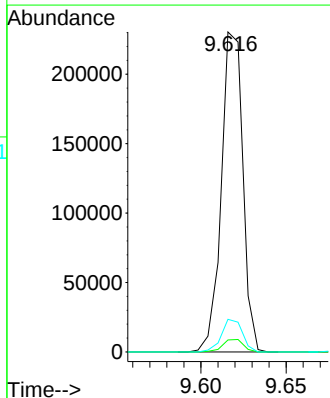
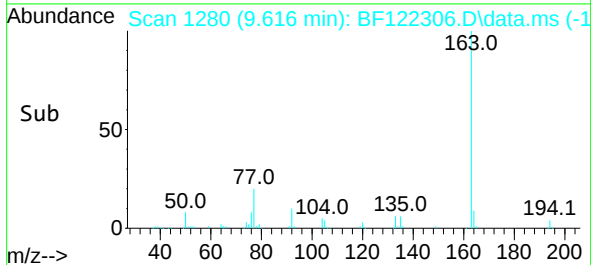
mohammad
11/12/2020 11:39:09 AM

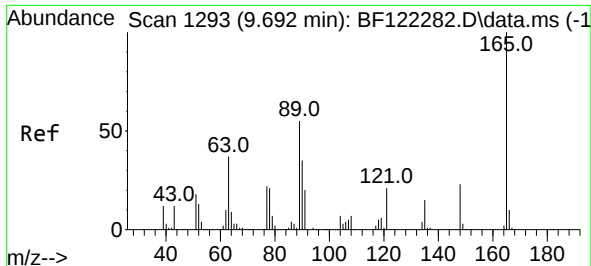


#50
Dimethylphthalate
Concen: 4.38 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.017 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



Tgt Ion:163 Resp: 202228
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 10.2 8.2 12.4





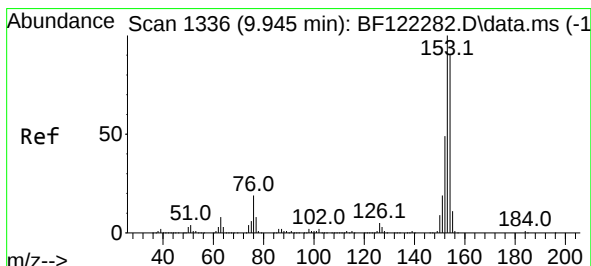
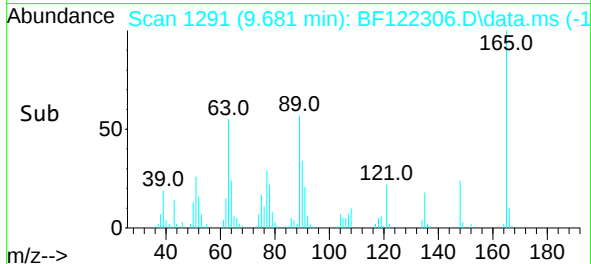
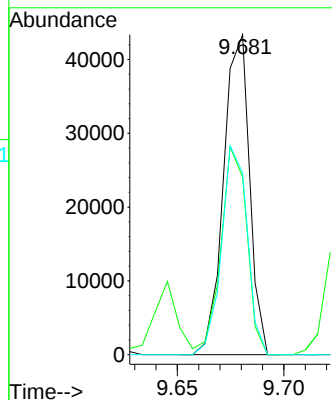
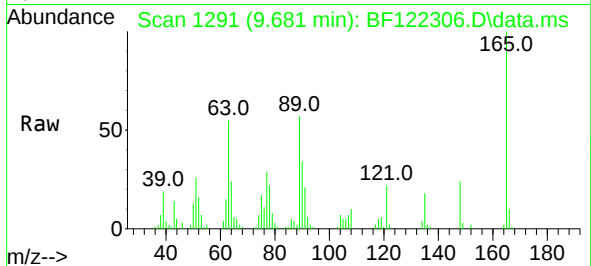
#51
2,6-Dinitrotoluene
Concen: 4.12 ng
RT: 9.681 min Scan# 1291
Delta R.T. -0.011 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:165 Resp: 36792
Ion Ratio Lower Upper
165 100
63 55.5 51.8 77.6
89 56.8 49.0 73.6

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

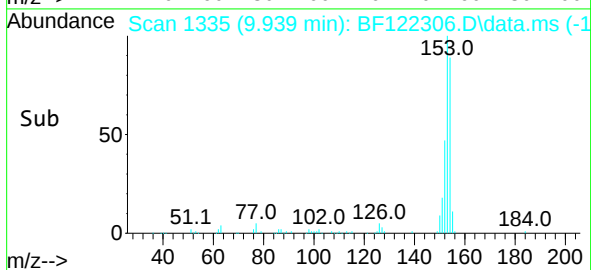
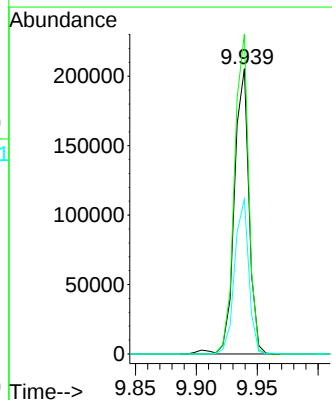
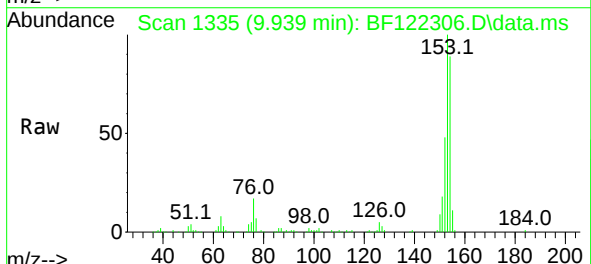
Manual Integrations
APPROVED

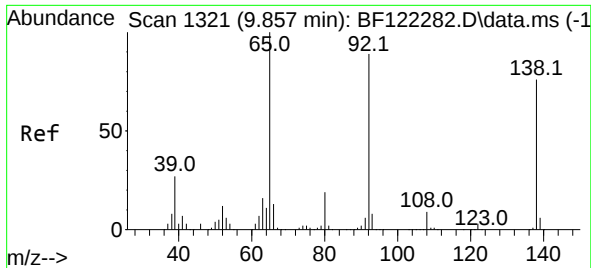
mohammad
11/12/2020 11:39:09 AM



#52
Acenaphthene
Concen: 4.40 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:154 Resp: 172059
Ion Ratio Lower Upper
154 100
153 112.2 89.8 134.8
152 54.3 43.2 64.8





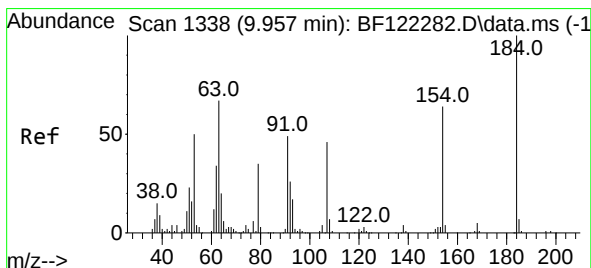
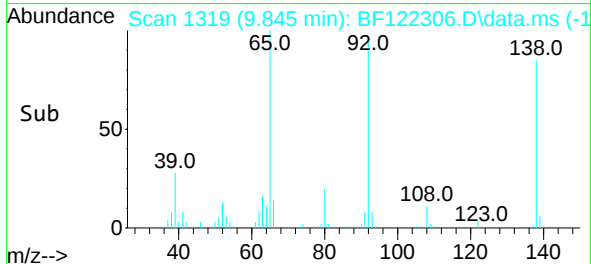
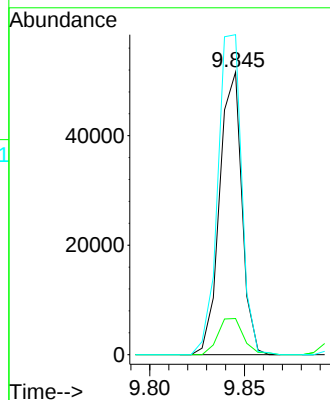
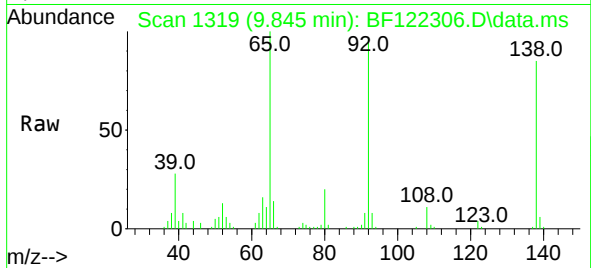
#53
3-Nitroaniline
Concen: 4.09 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:138 Resp: 42155
Ion Ratio Lower Upper
138 100
108 12.8 8.6 13.0
92 113.3 96.6 144.8

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

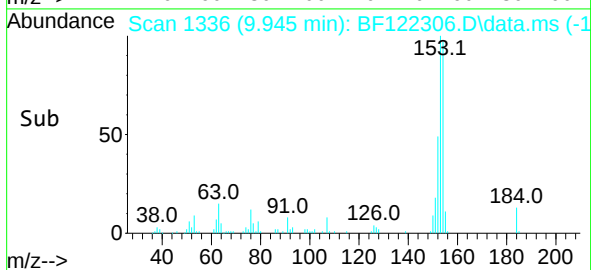
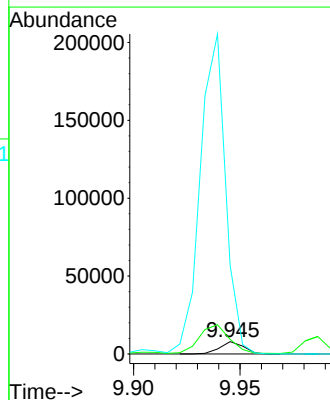
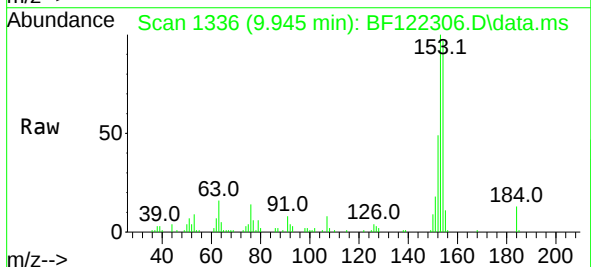
Manual Integrations
APPROVED

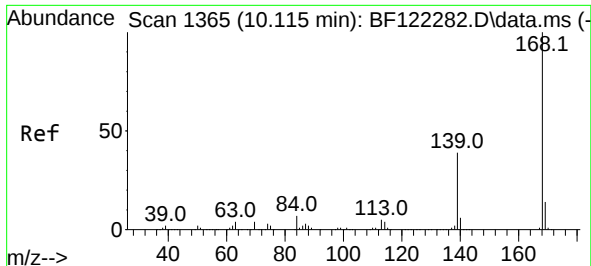
mohammad
11/12/2020 11:39:09 AM



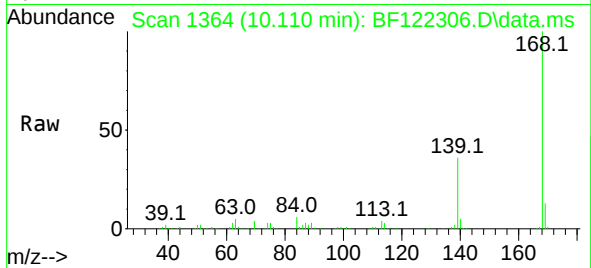
#54
2,4-Dinitrophenol
Concen: 2.24 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:184 Resp: 6118
Ion Ratio Lower Upper
184 100
63 118.4 45.9 68.9#
154 719.8 45.8 68.6#

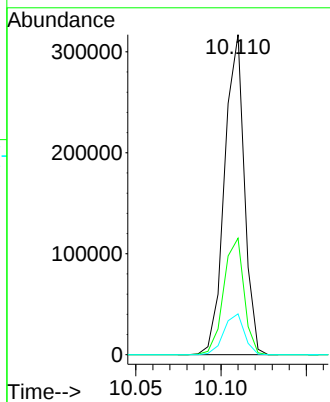
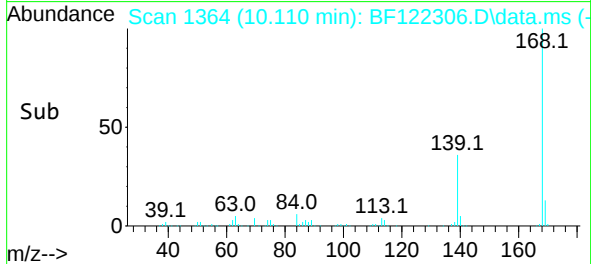




#55
Dibenzofuran
Concen: 4.48 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



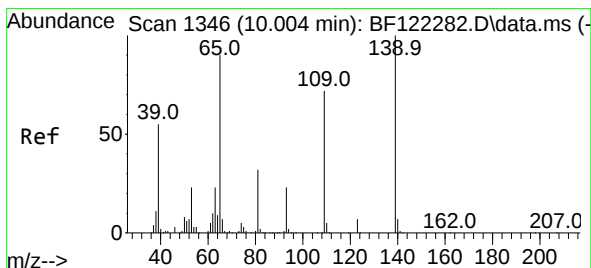
Tgt Ion:168 Resp: 256378
Ion Ratio Lower Upper
168 100
139 36.4 31.0 46.6
169 12.8 11.3 16.9



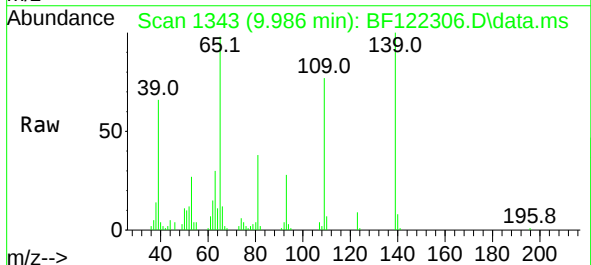
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

Manual Integrations
APPROVED

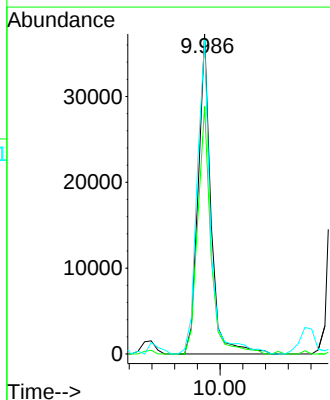
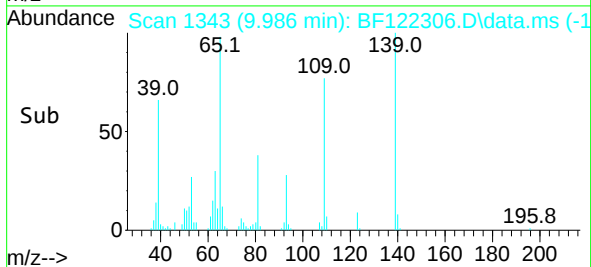
mohammad
11/12/2020 11:39:09 AM

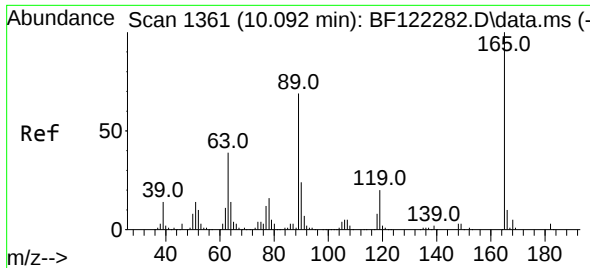


#56
4-Nitrophenol
Concen: 3.31 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.018 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



Tgt Ion:139 Resp: 29208
Ion Ratio Lower Upper
139 100
109 77.3 45.4 85.4
65 98.1 68.4 108.4





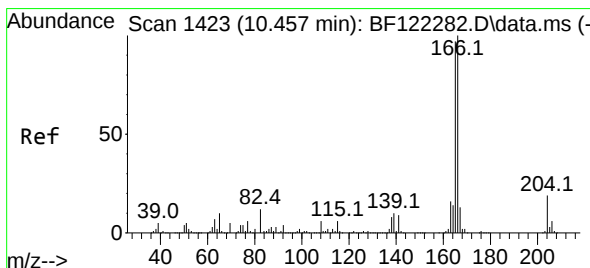
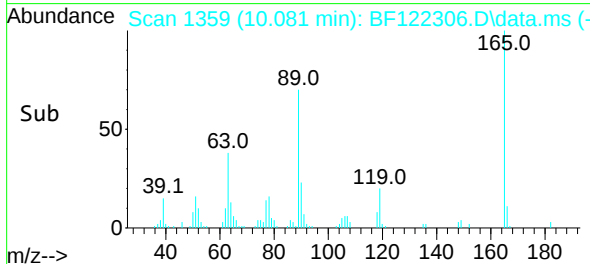
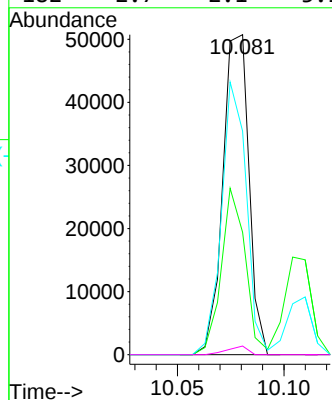
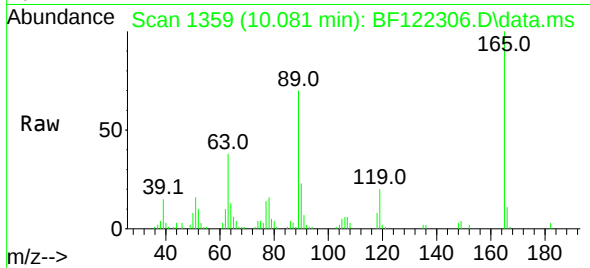
#57
2,4-Dinitrotoluene
Concen: 4.00 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.011 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:	165	Resp:	43280
Ion Ratio	Lower	Upper	
165	100		
63	38.2	41.3	61.9#
89	69.8	61.8	92.8
182	2.7	2.1	3.1

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

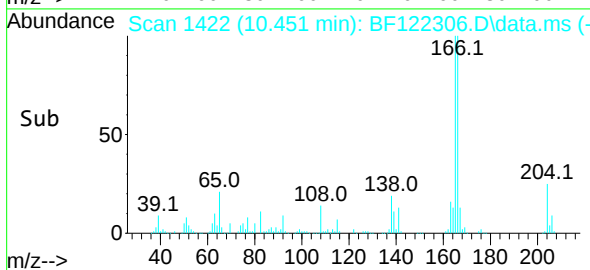
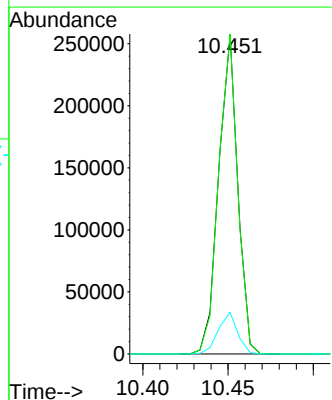
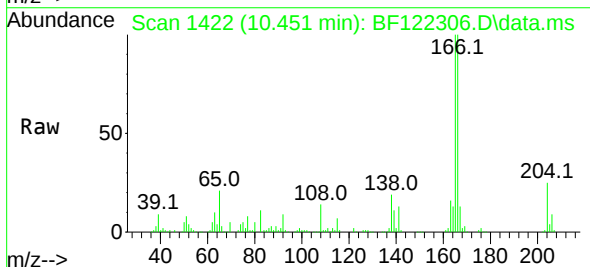
Manual Integrations
APPROVED

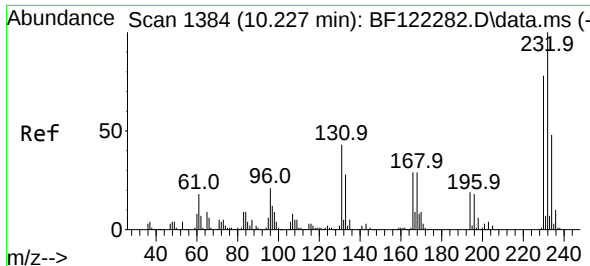
mohammad
11/12/2020 11:39:09 AM



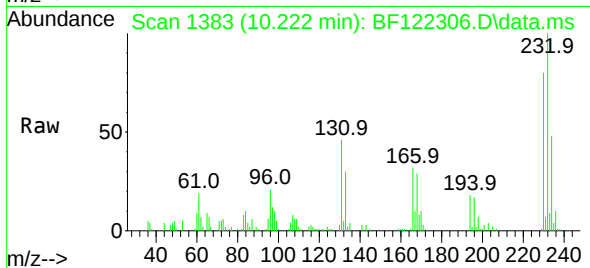
#58
Fluorene
Concen: 4.57 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:	166	Resp:	200386
Ion Ratio	Lower	Upper	
166	100		
165	100.0	79.1	118.7
167	13.0	11.0	16.6

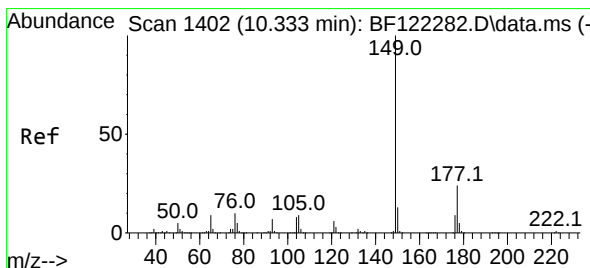
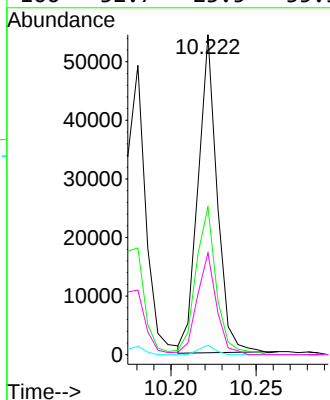
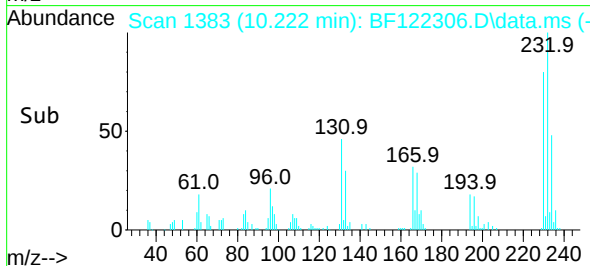




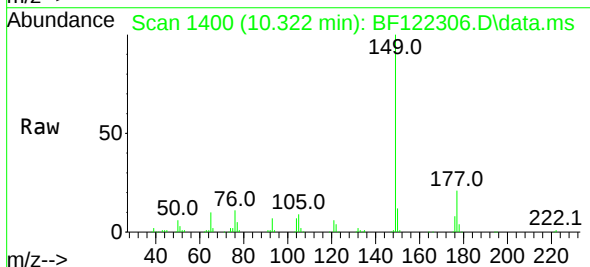
#59
2,3,4,6-Tetrachlorophenol
Concen: 3.72 ng
RT: 10.222 min Scan# 1383
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



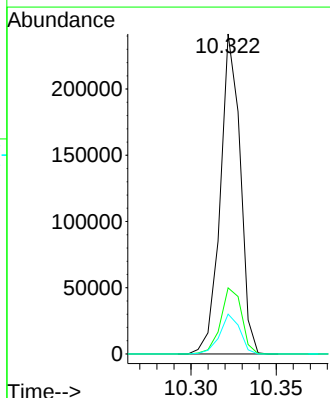
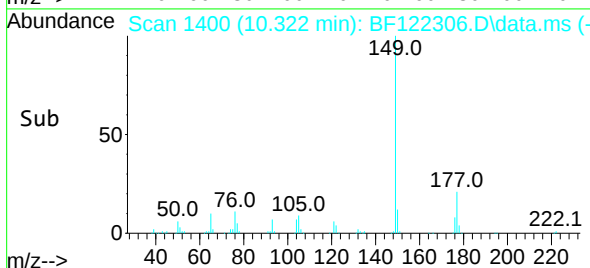
Tgt Ion:232 Resp: 42178
Ion Ratio Lower Upper
232 100
131 50.4 35.9 53.9
130 2.5 1.8 2.6
166 32.7 23.5 35.3



#60
Diethylphthalate
Concen: 4.32 ng
RT: 10.322 min Scan# 1400
Delta R.T. -0.011 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



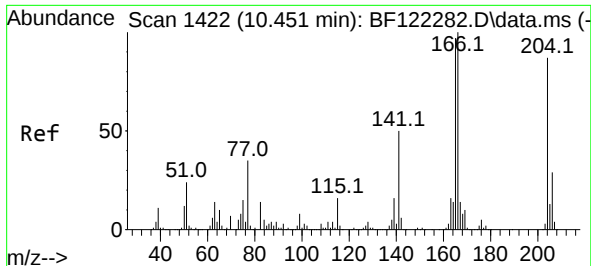
Tgt Ion:149 Resp: 196019
Ion Ratio Lower Upper
149 100
177 20.7 18.1 27.1
150 12.4 10.3 15.5



Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

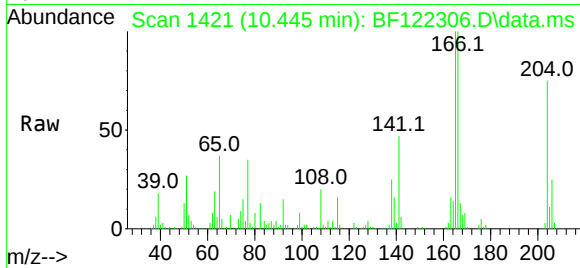
Manual Integrations
APPROVED

mohammad
11/12/2020 11:39:09 AM



#61
4-Chlorophenyl-phenylether
Concen: 4.60 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

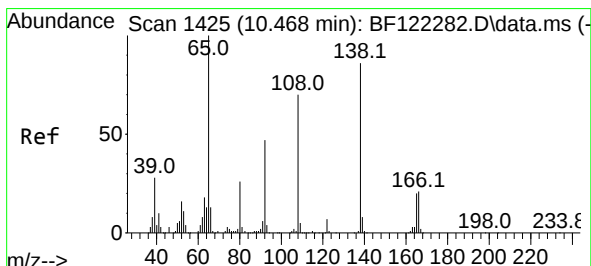
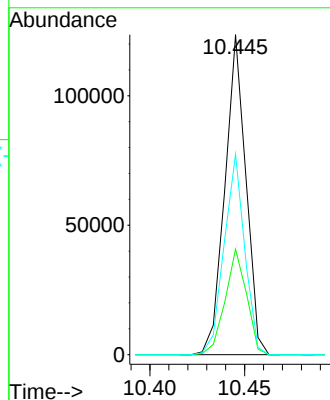
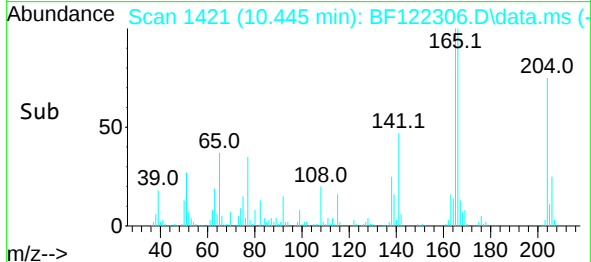
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020



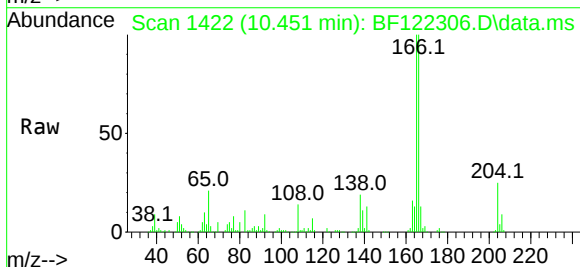
Tgt Ion:204 Resp: 95187
Ion Ratio Lower Upper
204 100
206 33.0 26.0 39.0
141 62.7 46.2 69.4

Manual Integrations
APPROVED

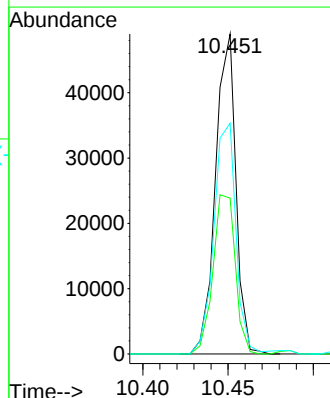
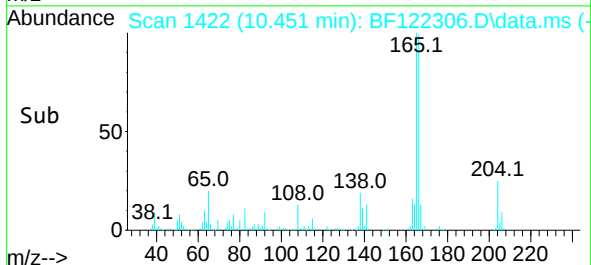
mohammad
11/12/2020 11:39:09 AM



#62
4-Nitroaniline
Concen: 4.00 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.017 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

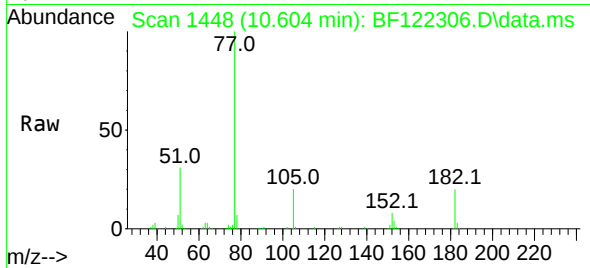


Tgt Ion:138 Resp: 40685
Ion Ratio Lower Upper
138 100
92 48.7 31.0 71.0
108 72.1 51.5 91.5

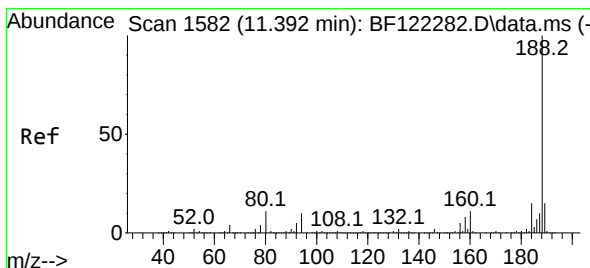
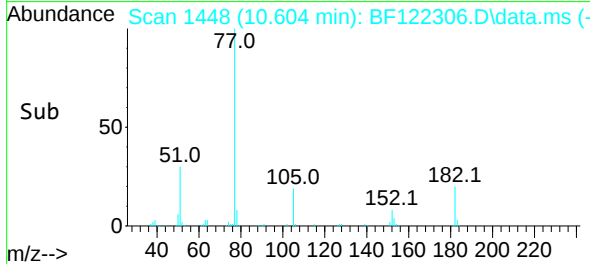
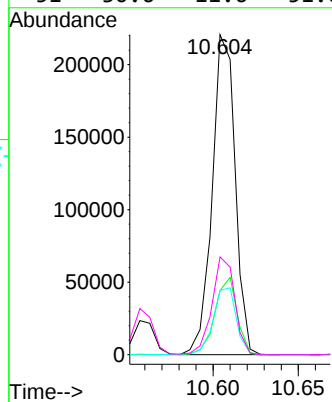




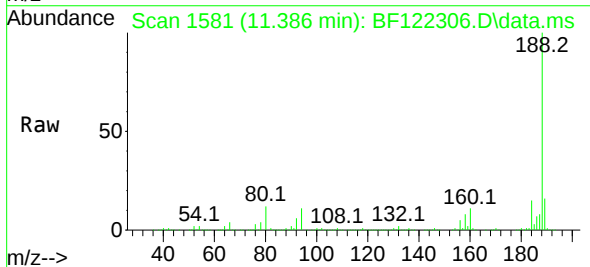
#63
Azobenzene
Concen: 4.34 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



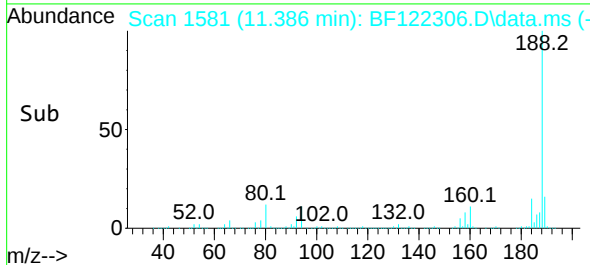
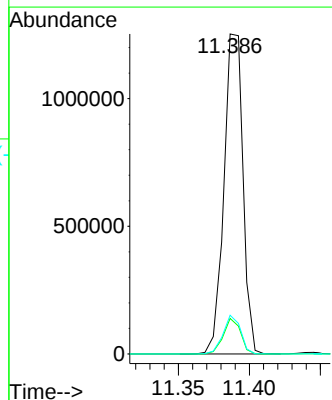
Tgt Ion: 77 Resp: 206552
Ion Ratio Lower Upper
77 100
182 20.0 3.4 43.4
105 20.1 1.7 41.7
51 30.6 11.6 51.6



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



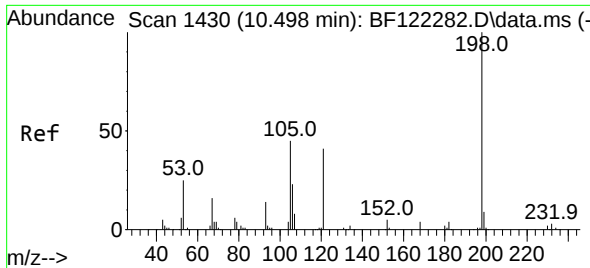
Tgt Ion: 188 Resp: 1168871
Ion Ratio Lower Upper
188 100
94 11.1 8.3 12.5
80 12.1 9.1 13.7



Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

Manual Integrations
APPROVED

mohammad
11/12/2020 11:39:09 AM



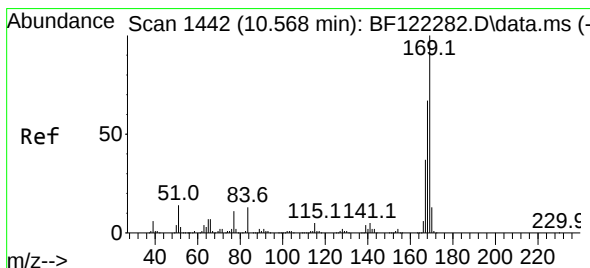
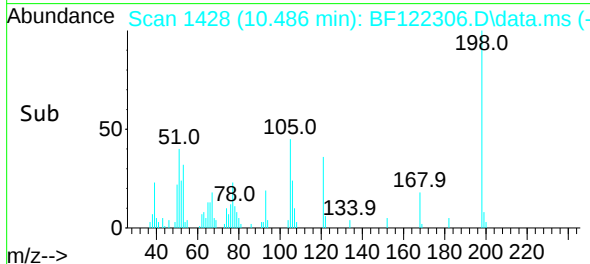
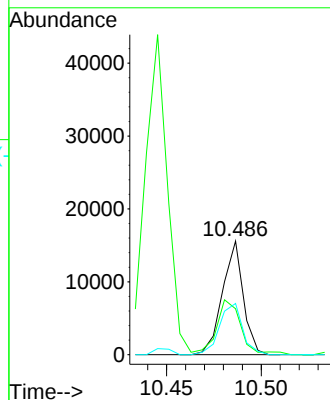
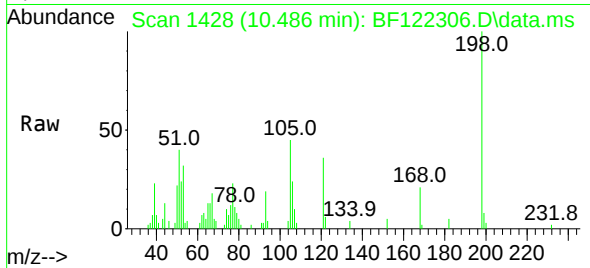
#65
4,6-Dinitro-2-methylphenol
Concen: 2.69 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:198 Resp: 11926
Ion Ratio Lower Upper
198 100
51 40.4 29.6 69.6
105 45.1 24.4 64.4

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

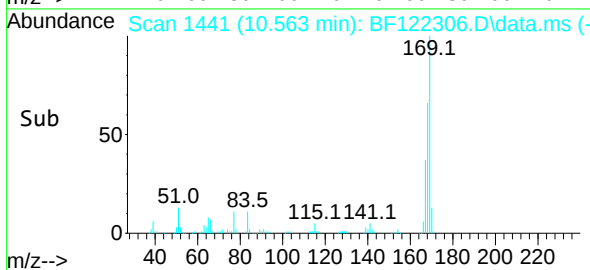
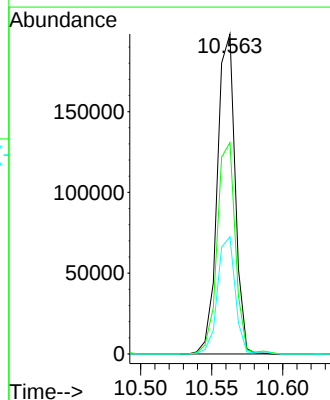
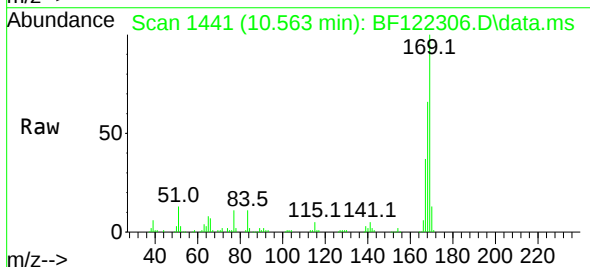
Manual Integrations
APPROVED

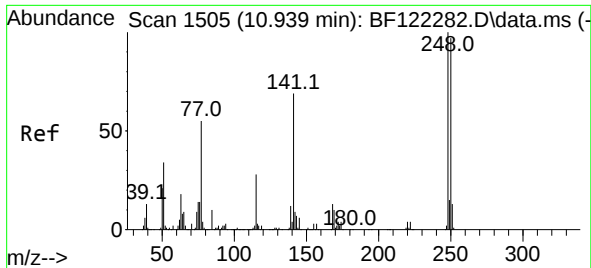
mohammad
11/12/2020 11:39:09 AM



#66
n-Nitrosodiphenylamine
Concen: 4.33 ng
RT: 10.563 min Scan# 1441
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:169 Resp: 172419
Ion Ratio Lower Upper
169 100
168 66.1 50.0 75.0
167 36.6 27.8 41.6





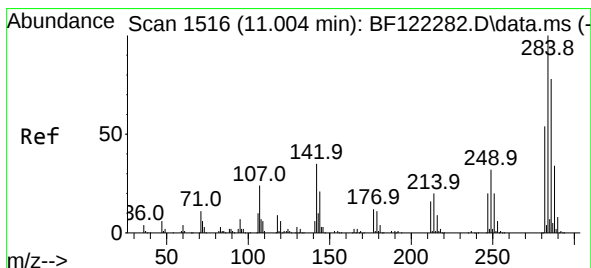
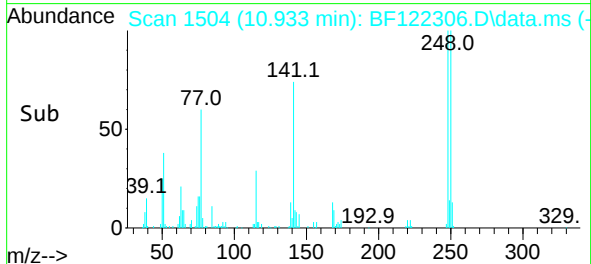
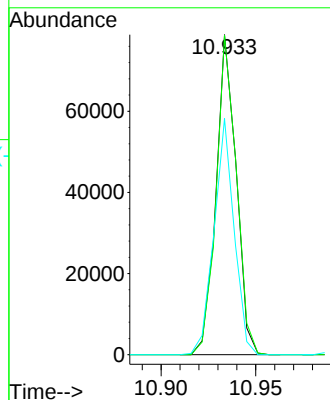
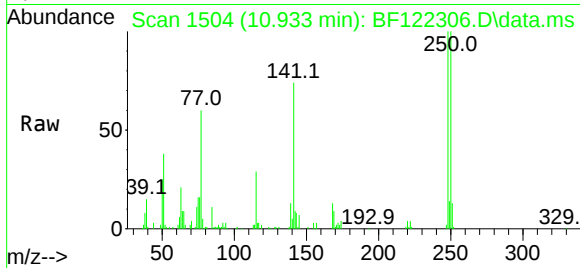
#67
4-Bromophenyl-phenylether
Concen: 4.24 ng
RT: 10.933 min Scan# 1504
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:	248	Resp:	58253
Ion Ratio	Lower	Upper	
248	100		
250	99.8	77.0	115.6
141	73.8	53.7	80.5

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

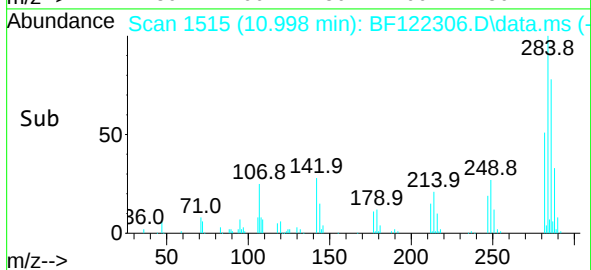
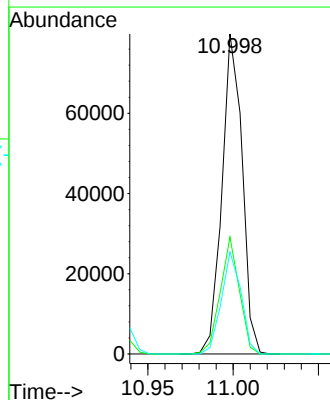
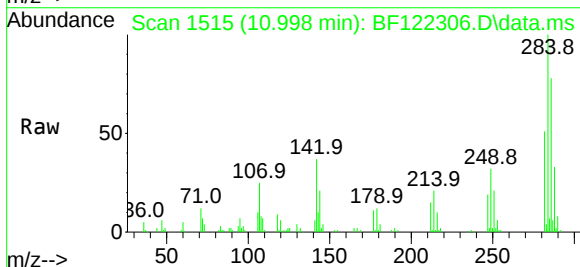
Manual Integrations
APPROVED

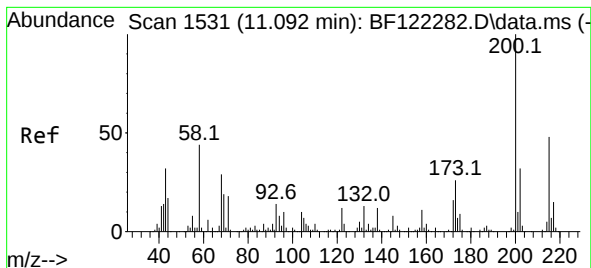
mohammad
11/12/2020 11:39:09 AM



#68
Hexachlorobenzene
Concen: 4.43 ng
RT: 10.998 min Scan# 1515
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:	284	Resp:	65708
Ion Ratio	Lower	Upper	
284	100		
142	36.6	27.4	41.2
249	31.9	24.2	36.4





#69

Atrazine

Concen: 4.66 ng

RT: 11.081 min Scan# 1529

Delta R.T. -0.011 min

Lab File: BF122306.D

Acq: 11 Nov 2020 10:41

Tgt Ion:200	Resp:	46199
Ion Ratio	Lower	Upper
200	100	
173	25.6	7.5 47.5
215	49.2	27.1 67.1

Instrument :

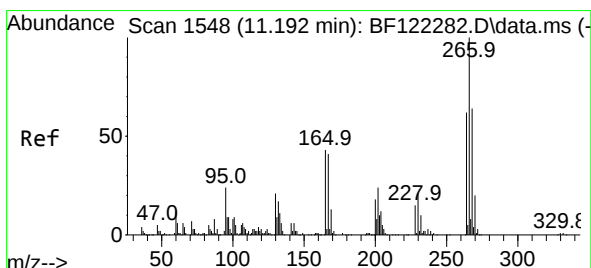
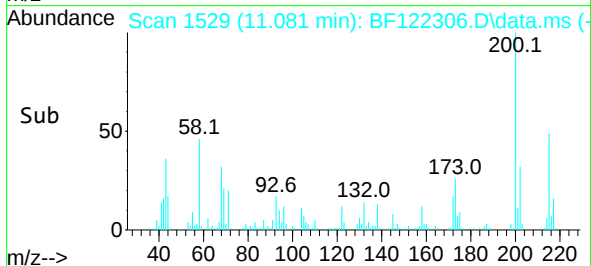
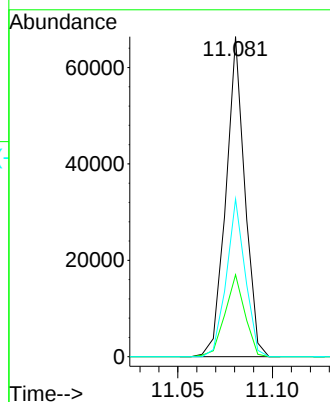
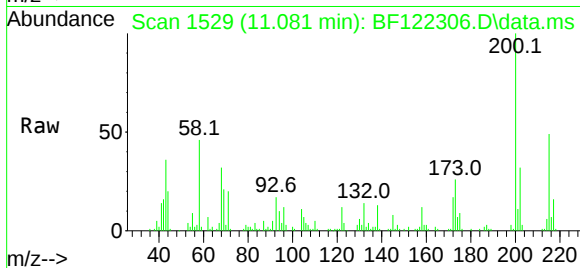
BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2020

Manual Integrations
APPROVED

mohammad
11/12/2020 11:39:09 AM



#70

Pentachlorophenol

Concen: 3.36 ng

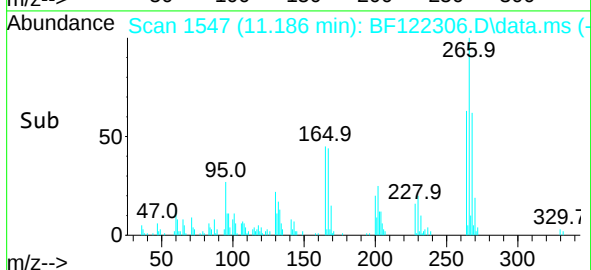
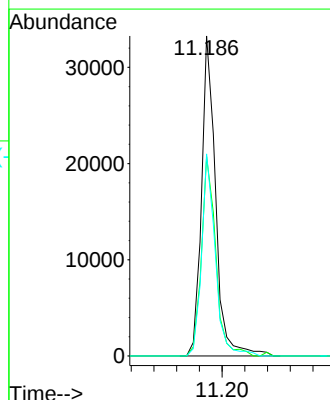
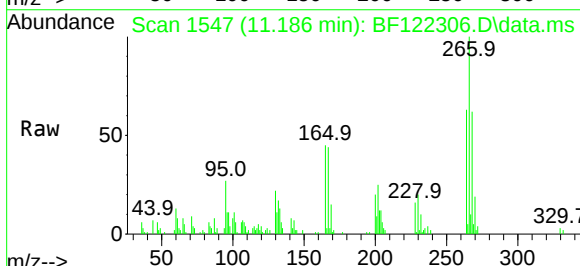
RT: 11.186 min Scan# 1547

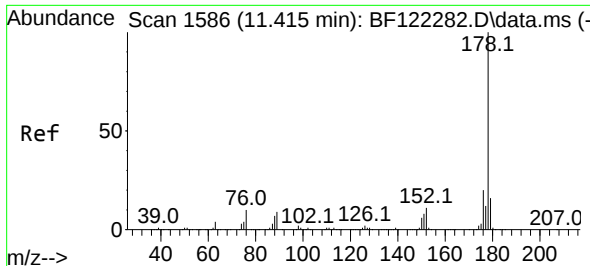
Delta R.T. -0.006 min

Lab File: BF122306.D

Acq: 11 Nov 2020 10:41

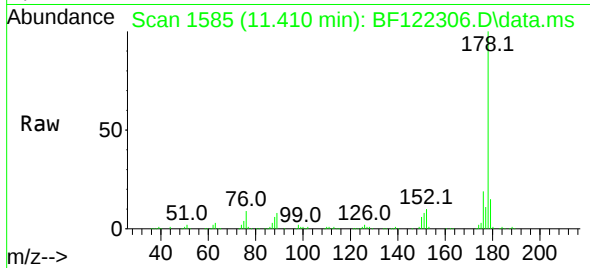
Tgt Ion:266	Resp:	28738
Ion Ratio	Lower	Upper
266	100	
268	62.3	52.4 78.6
264	63.1	49.9 74.9





#71
Phenanthrene
Concen: 4.64 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

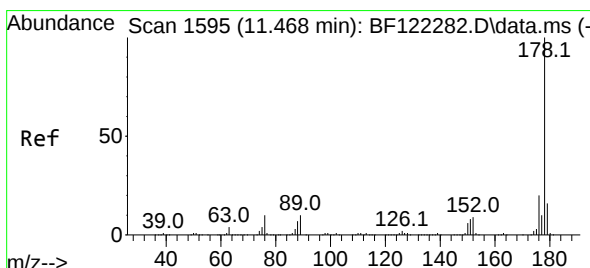
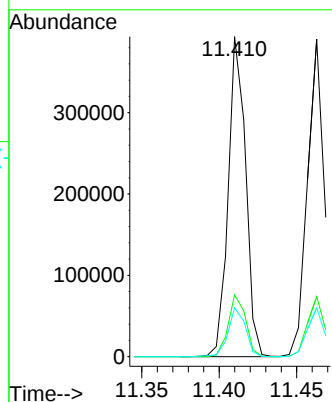
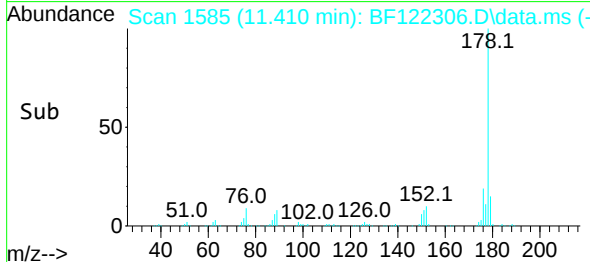
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020



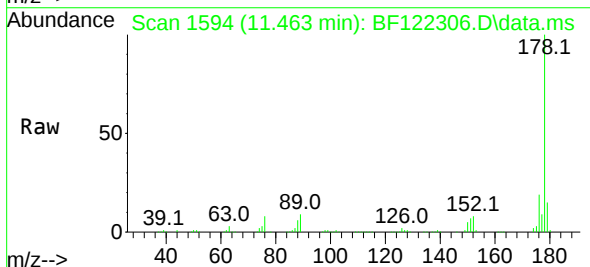
Tgt Ion:178 Resp: 307964
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 15.2 12.2 18.4

Manual Integrations
APPROVED

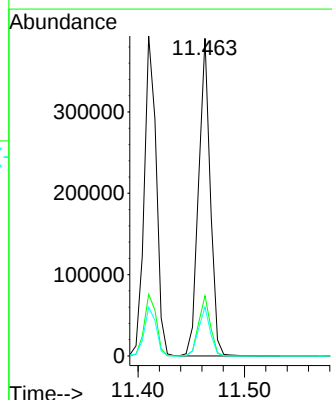
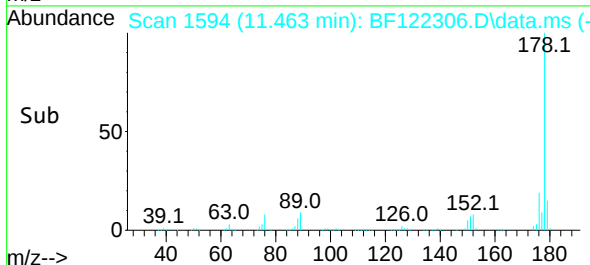
mohammad
11/12/2020 11:39:09 AM

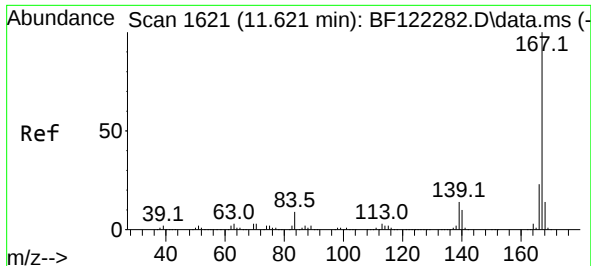


#72
Anthracene
Concen: 4.36 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

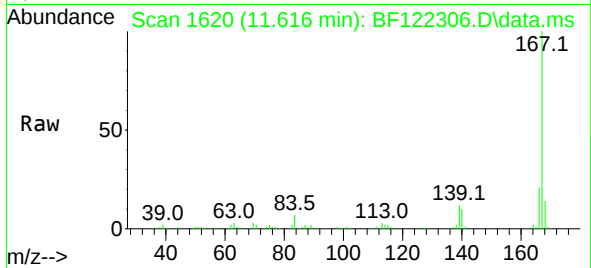


Tgt Ion:178 Resp: 297740
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.4 12.7 19.1

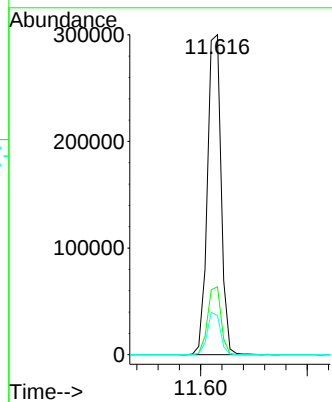
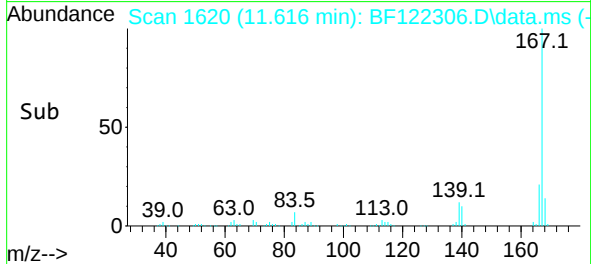




#73
 Carbazole
 Concen: 4.32 ng
 RT: 11.616 min Scan# 1620
 Delta R.T. -0.005 min
 Lab File: BF122306.D
 Acq: 11 Nov 2020 10:41



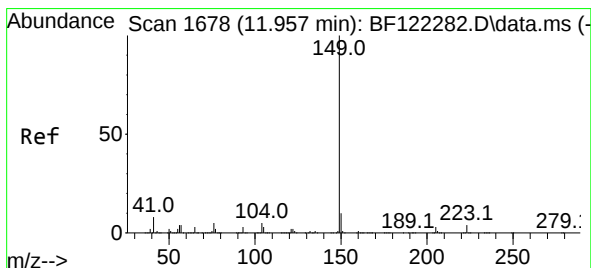
Tgt Ion:167 Resp: 268599
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.8 26.6
 139 12.3 10.8 16.2



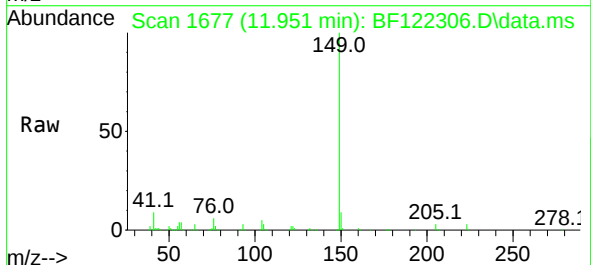
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2020

Manual Integrations
 APPROVED

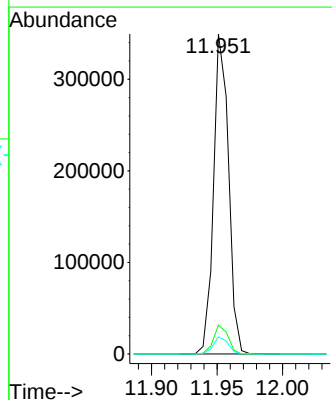
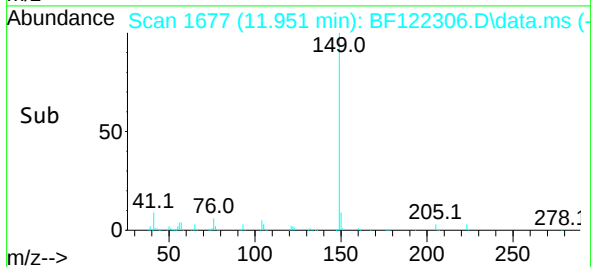
mohammad
 11/12/2020 11:39:09 AM

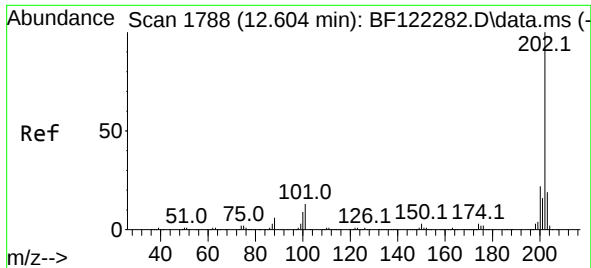


#74
 Di-n-butylphthalate
 Concen: 4.19 ng
 RT: 11.951 min Scan# 1677
 Delta R.T. -0.006 min
 Lab File: BF122306.D
 Acq: 11 Nov 2020 10:41



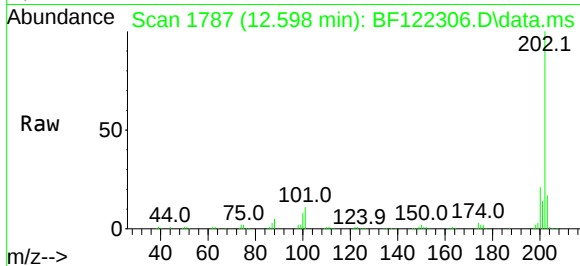
Tgt Ion:149 Resp: 277488
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.7 11.5
 104 5.3 4.2 6.2





#75
Fluoranthene
Concen: 4.28 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

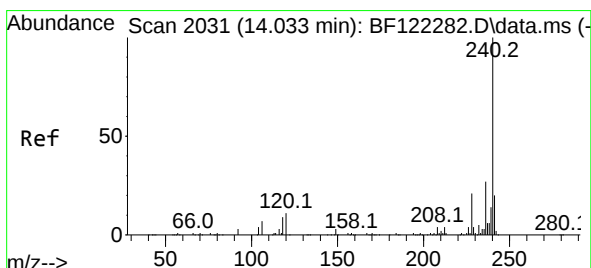
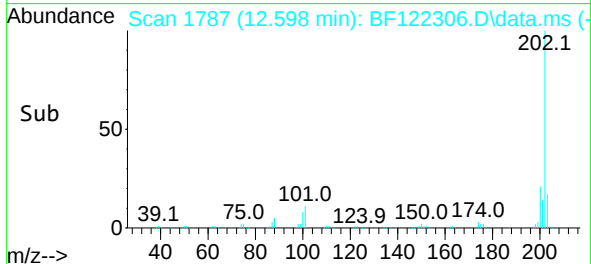
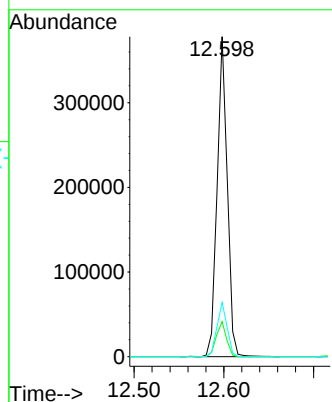
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020



Tgt Ion:202 Resp: 296594
Ion Ratio Lower Upper
202 100
101 11.0 0.0 33.4
203 17.0 0.0 37.9

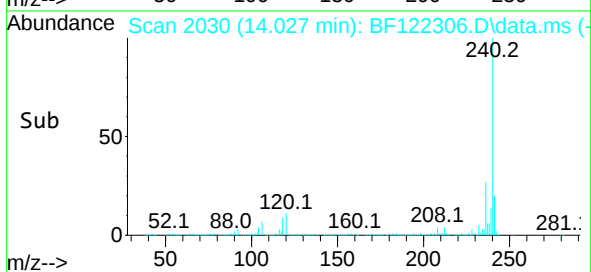
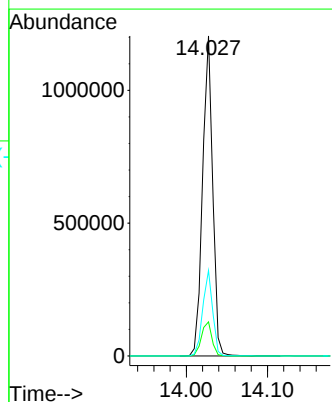
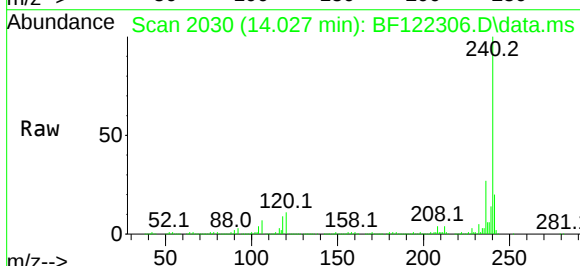
Manual Integrations
APPROVED

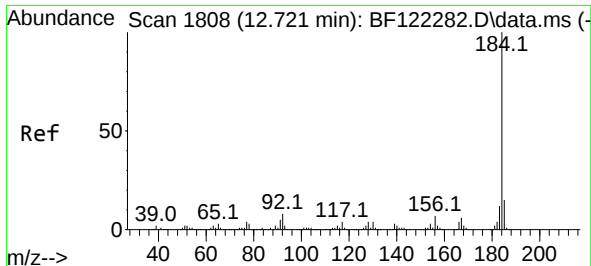
mohammad
11/12/2020 11:39:09 AM



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:240 Resp: 1040776
Ion Ratio Lower Upper
240 100
120 10.6 9.2 13.8
236 26.7 20.9 31.3





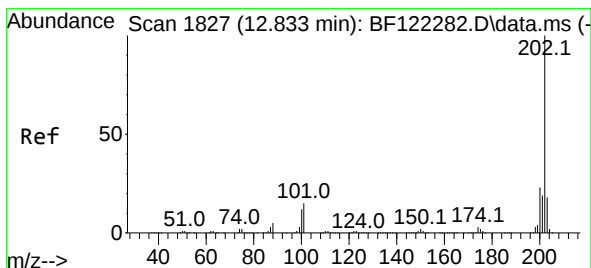
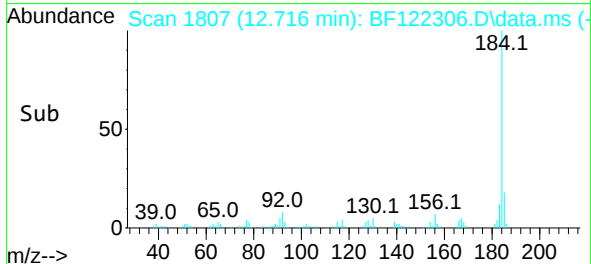
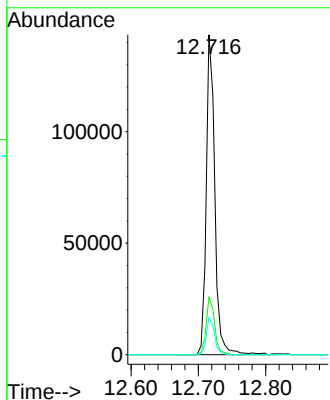
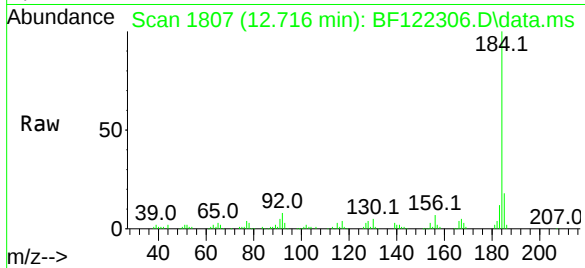
#77
Benzidine
Concen: 4.37 ng m
RT: 12.716 min Scan# 1807
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:184 Resp: 126026
Ion Ratio Lower Upper
184 100
185 17.9 11.6 17.4#
183 11.7 9.4 14.0

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

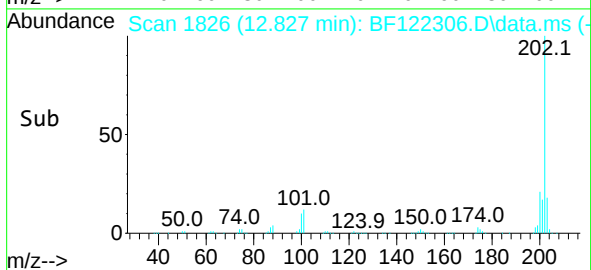
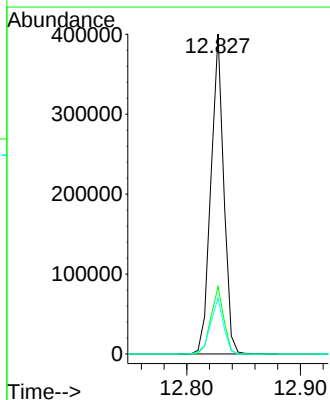
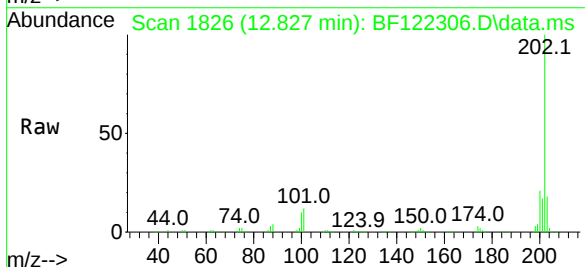
Manual Integrations
APPROVED

mohammad
11/12/2020 11:39:09 AM



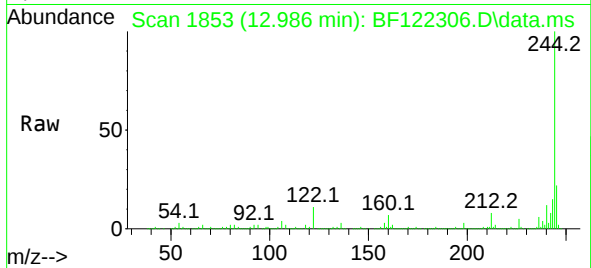
#78
Pyrene
Concen: 4.29 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:202 Resp: 313479
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 17.5 14.6 21.8

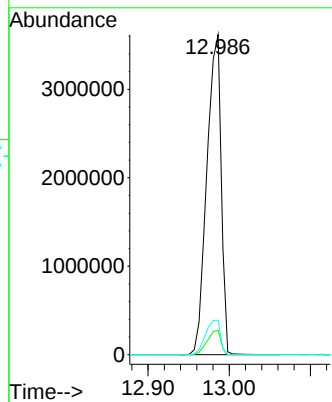
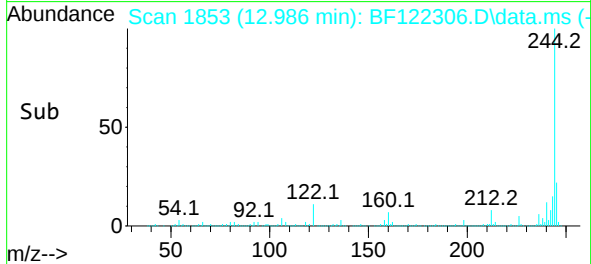




#79
 Terphenyl-d14
 Concen: 89.91 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: BF122306.D
 Acq: 11 Nov 2020 10:41



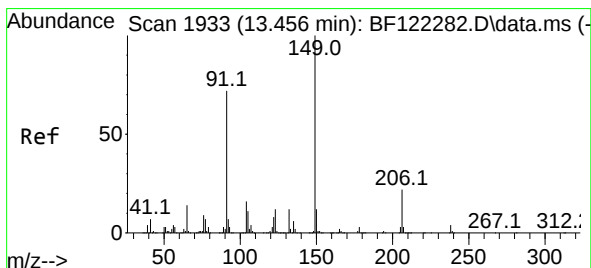
Tgt Ion:244 Resp: 4417177
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.4 8.2
 122 10.8 8.1 12.1



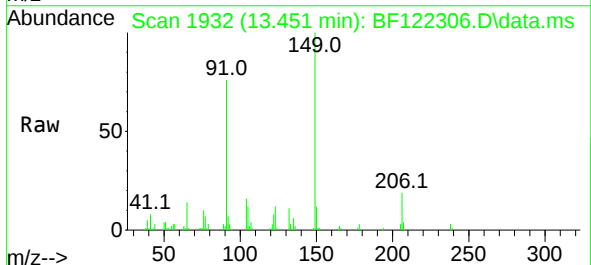
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2020

Manual Integrations
 APPROVED

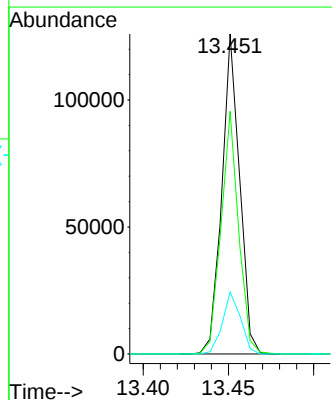
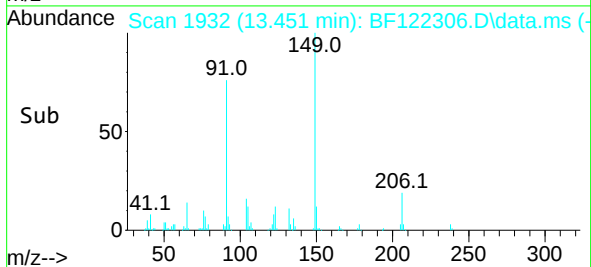
mohammad
 11/12/2020 11:39:09 AM

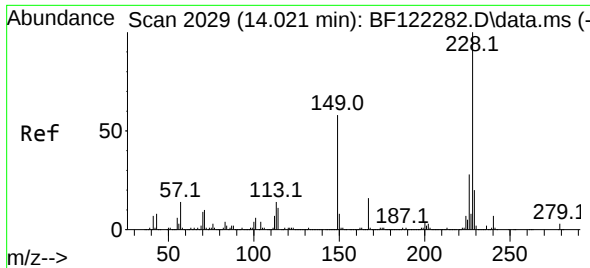


#80
 Butylbenzylphthalate
 Concen: 3.48 ng
 RT: 13.451 min Scan# 1932
 Delta R.T. -0.005 min
 Lab File: BF122306.D
 Acq: 11 Nov 2020 10:41



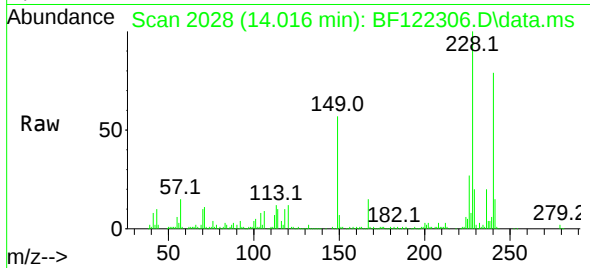
Tgt Ion:149 Resp: 91463
 Ion Ratio Lower Upper
 149 100
 91 75.8 61.0 91.4
 206 19.3 16.7 25.1





#81
Benzo(a)anthracene
Concen: 4.37 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

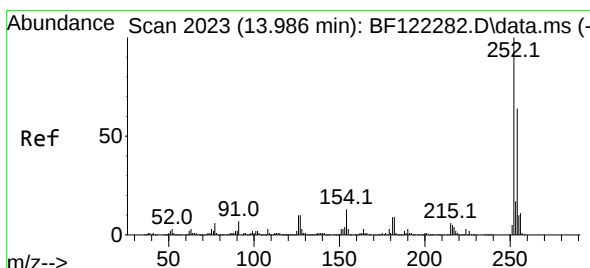
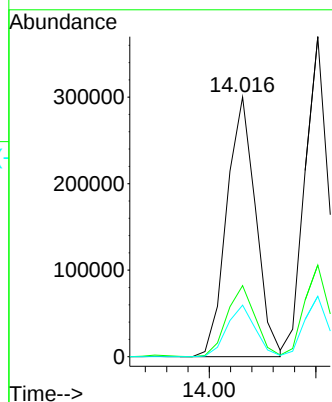
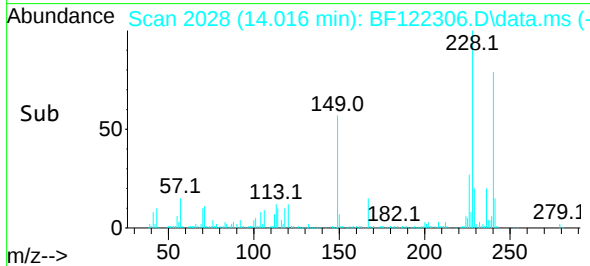
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020



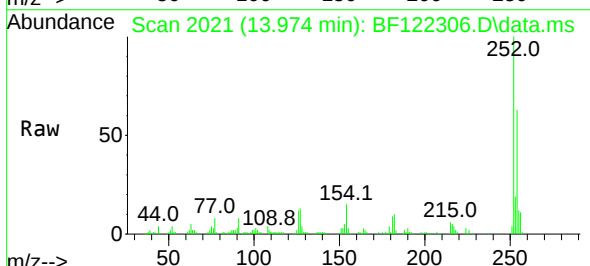
Tgt Ion:228 Resp: 282942
Ion Ratio Lower Upper
228 100
226 27.4 22.3 33.5
229 19.9 16.2 24.4

Manual Integrations
APPROVED

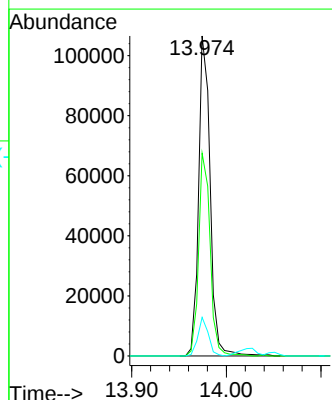
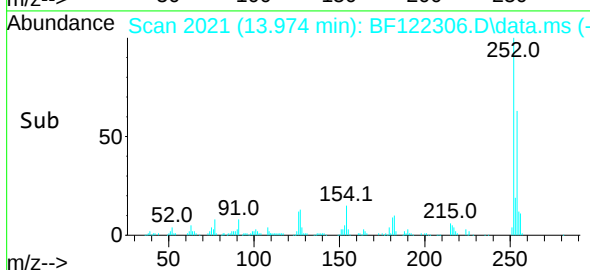
mohammad
11/12/2020 11:39:09 AM

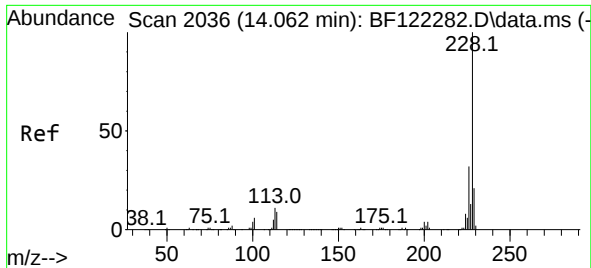


#82
3,3'-Dichlorobenzidine
Concen: 3.75 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.011 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



Tgt Ion:252 Resp: 90449
Ion Ratio Lower Upper
252 100
254 63.3 51.8 77.6
126 12.0 8.8 13.2





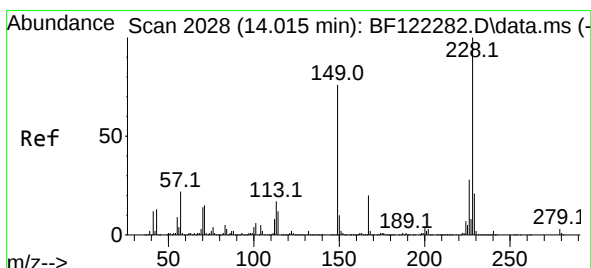
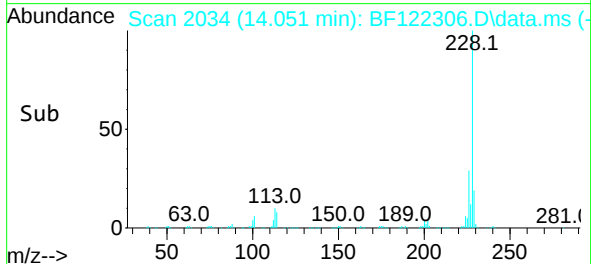
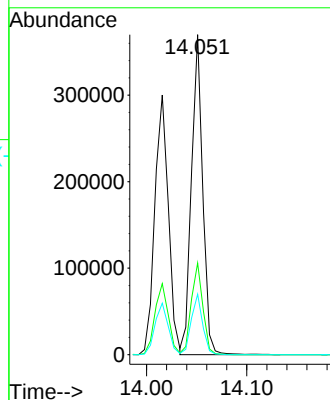
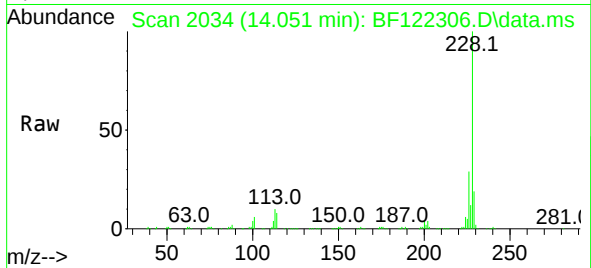
#83
Chrysene
Concen: 4.42 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.011 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:228 Resp: 287980
Ion Ratio Lower Upper
228 100
226 28.7 24.6 37.0
229 18.9 15.9 23.9

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

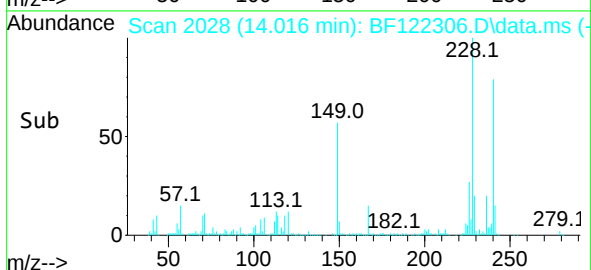
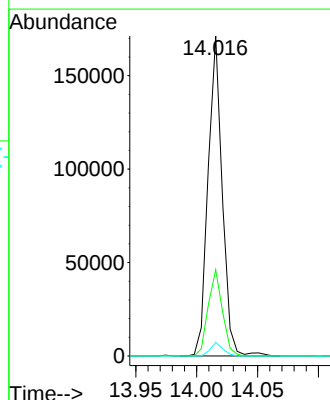
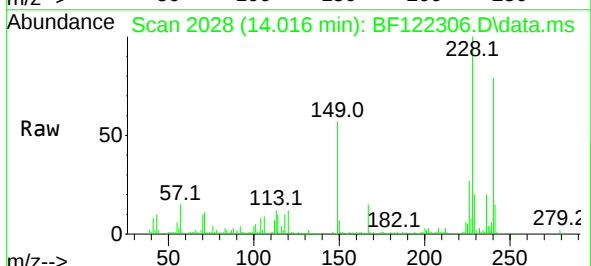
Manual Integrations
APPROVED

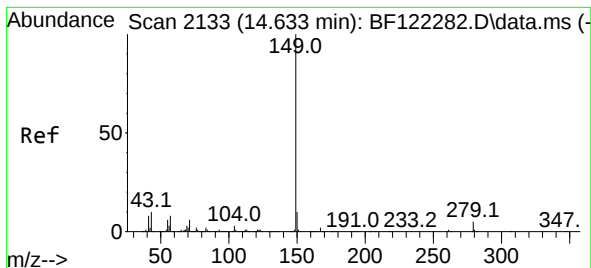
mohammad
11/12/2020 11:39:09 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.92 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

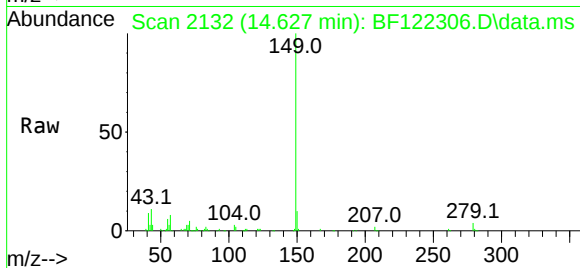
Tgt Ion:149 Resp: 138342
Ion Ratio Lower Upper
149 100
167 26.9 20.9 31.3
279 4.2 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 3.20 ng
RT: 14.627 min Scan# 2132
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

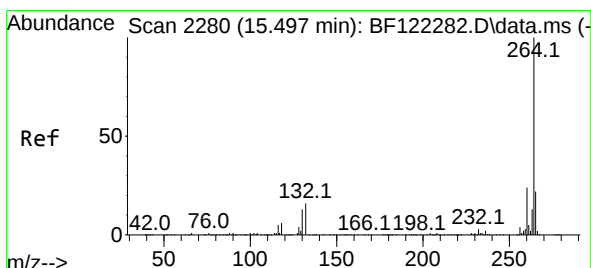
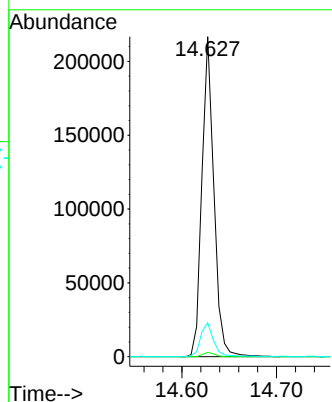
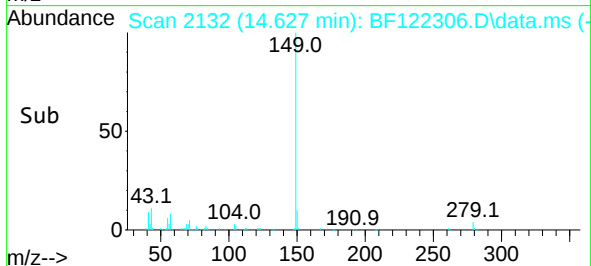
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020



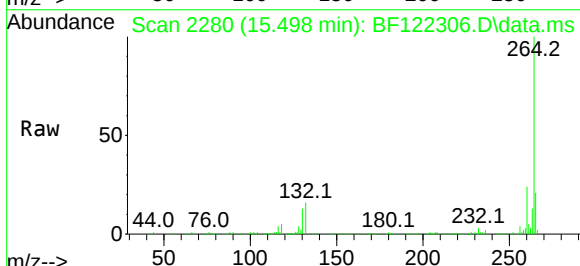
Tgt Ion:149 Resp: 191498
Ion Ratio Lower Upper
149 100
167 1.3 1.2 1.8
43 11.6 9.0 13.6

Manual Integrations
APPROVED

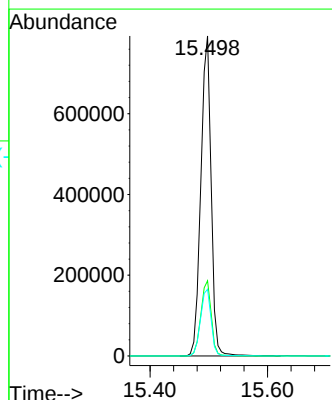
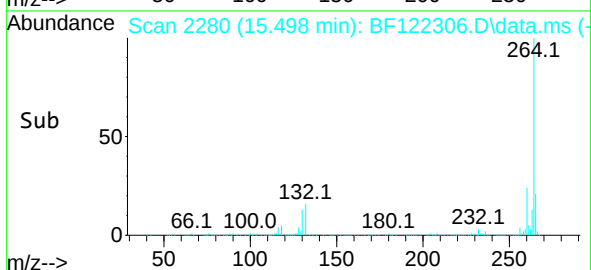
mohammad
11/12/2020 11:39:09 AM

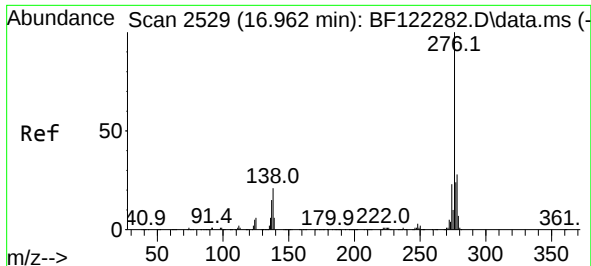


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



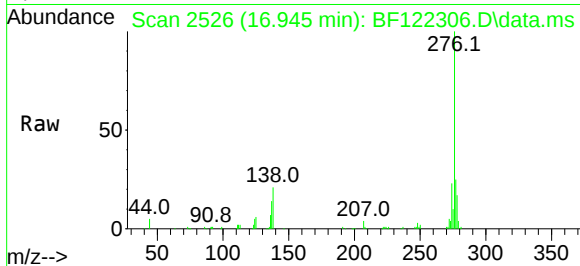
Tgt Ion:264 Resp: 964156
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 20.9 17.3 25.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.65 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.017 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

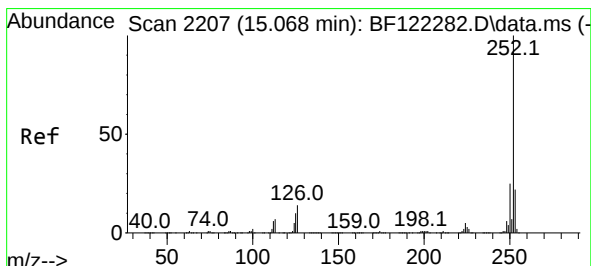
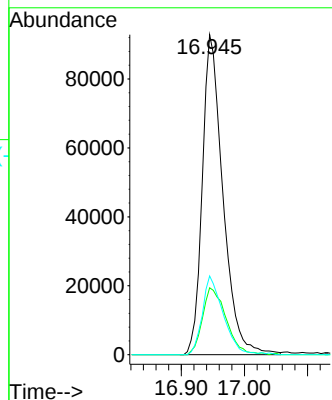
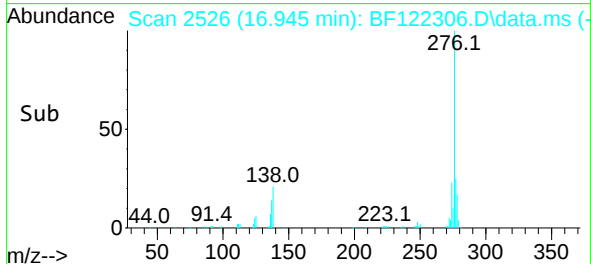
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020



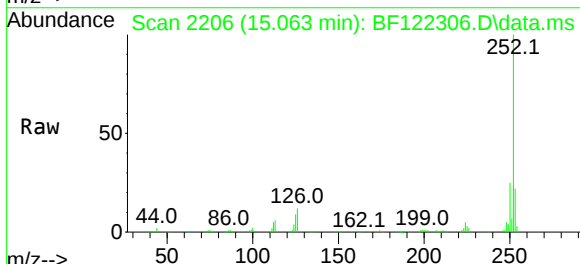
Tgt Ion:276 Resp: 211393
Ion Ratio Lower Upper
276 100
138 23.9 19.9 29.9
277 24.6 20.4 30.6

Manual Integrations
APPROVED

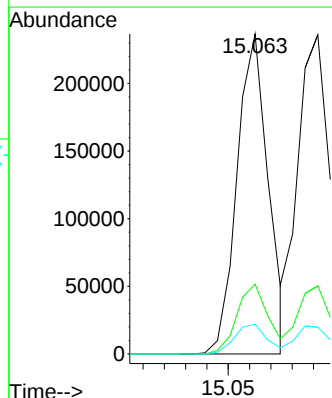
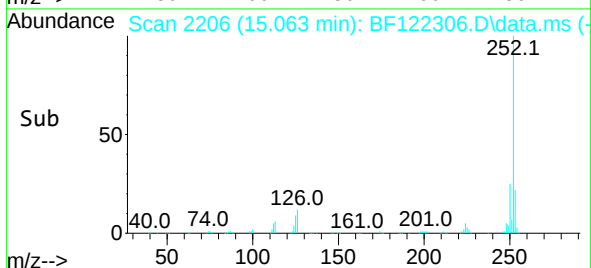
mohammad
11/12/2020 11:39:09 AM

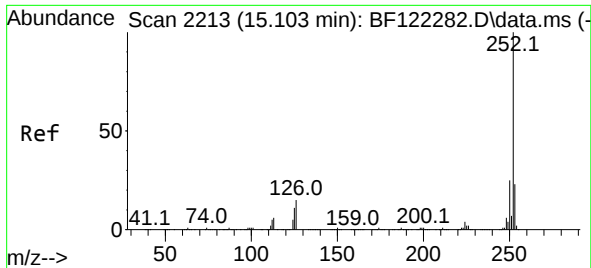


#88
Benzo(b)fluoranthene
Concen: 3.86 ng
RT: 15.063 min Scan# 2206
Delta R.T. -0.005 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41



Tgt Ion:252 Resp: 241150
Ion Ratio Lower Upper
252 100
253 21.8 18.2 27.2
125 9.3 8.0 12.0





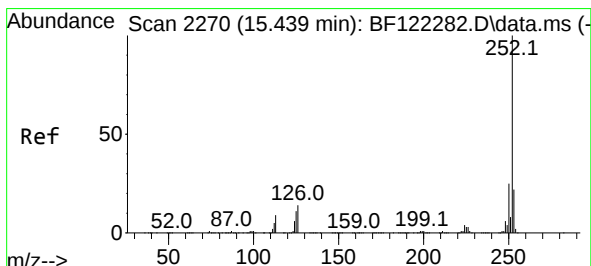
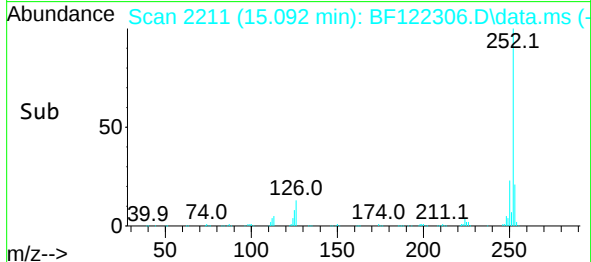
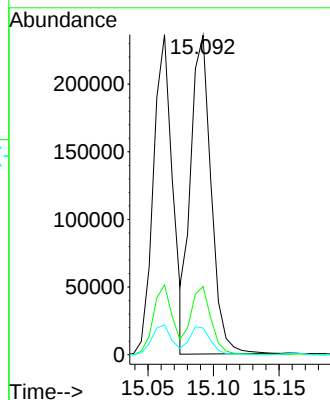
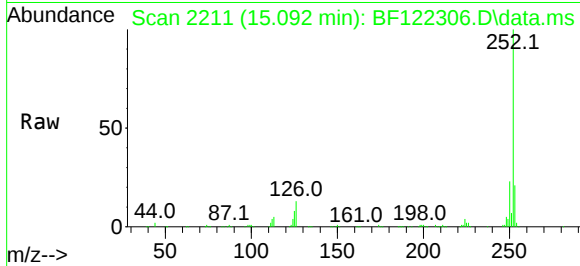
#89
Benzo(k)fluoranthene
Concen: 4.20 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.011 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:252 Resp: 255534
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.6
125 8.4 7.7 11.5

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

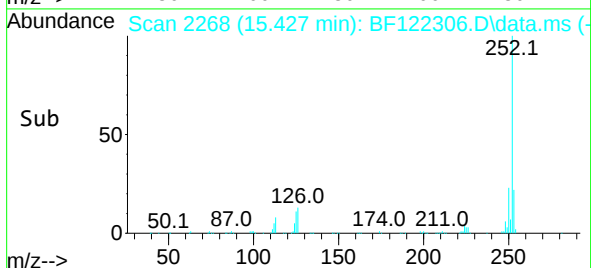
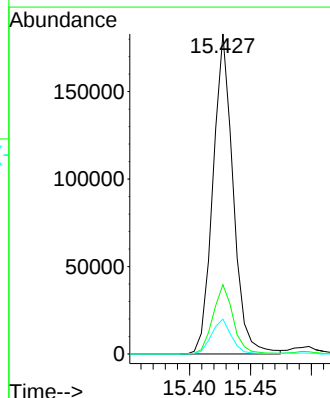
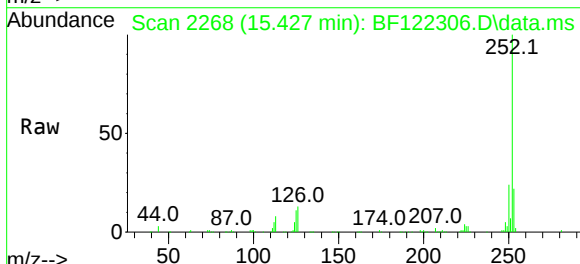
Manual Integrations
APPROVED

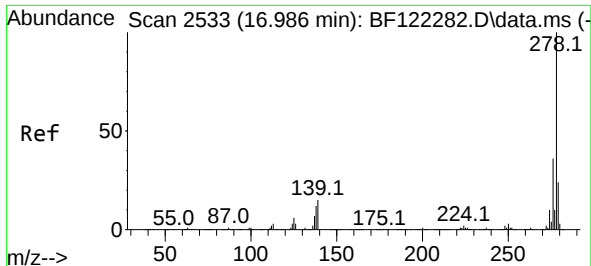
mohammad
11/12/2020 11:39:09 AM



#90
Benzo(a)pyrene
Concen: 3.88 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.011 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion:252 Resp: 211022
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 10.9 8.6 13.0





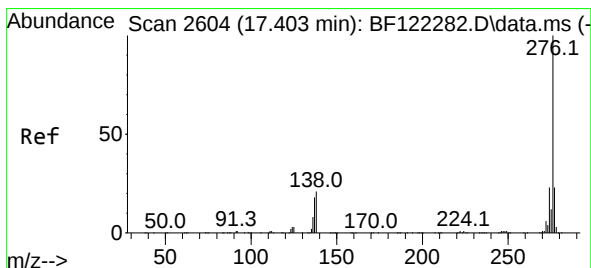
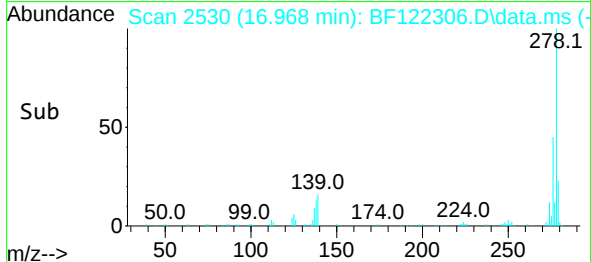
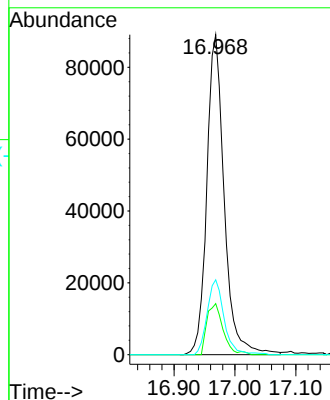
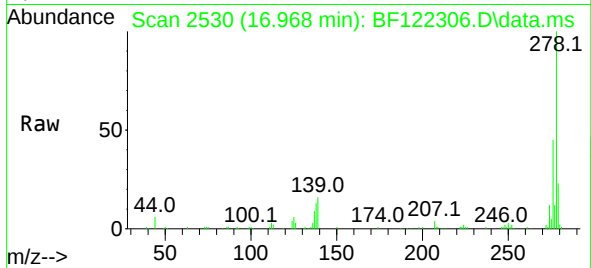
#91
Dibenzo(a,h)anthracene
Concen: 3.64 ng
RT: 16.968 min Scan# 2530
Delta R.T. -0.017 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion: 278 Resp: 176601
Ion Ratio Lower Upper
278 100
139 16.0 13.0 19.4
279 23.4 19.0 28.4

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2020

Manual Integrations
APPROVED

mohammad
11/12/2020 11:39:09 AM



#92
Benzo(g,h,i)perylene
Concen: 3.70 ng
RT: 17.386 min Scan# 2601
Delta R.T. -0.017 min
Lab File: BF122306.D
Acq: 11 Nov 2020 10:41

Tgt Ion: 276 Resp: 174188
Ion Ratio Lower Upper
276 100
277 23.7 19.4 29.2
138 19.8 17.8 26.6

