

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120920\
 Data File : BF122609.D
 Acq On : 9 Dec 2020 13:02
 Operator : JU/CG
 Sample : L4968-02MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSD-SOILMSD

Manual Integrations
 APPROVED

mohammad
 12/18/2020 10:22:52 AM

Quant Time: Dec 09 13:56:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 12:08:49 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	181586	20.00	ng	0.00
21) Naphthalene-d8	8.128	136	703718	20.00	ng	0.00
39) Acenaphthene-d10	9.880	164	367969	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	652160	20.00	ng	0.00
76) Chrysene-d12	14.004	240	450006	20.00	ng	0.00
86) Perylene-d12	15.462	264	451882	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	872480	76.07	ng	0.00
7) Phenol-d6	6.475	99	1088975	71.59	ng	0.00
23) Nitrobenzene-d5	7.404	82	686795	48.90	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	282672	58.69	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1267887	46.60	ng	0.00
79) Terphenyl-d14	12.951	244	1225297	47.66	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	211543	39.24	ng	99
3) Pyridine	3.410	79	582302	40.86	ng	98
4) n-Nitrosodimethylamine	3.369	42	245452	42.95	ng	100
6) Aniline	6.498	93	358274	20.01	ng	96
8) 2-Chlorophenol	6.628	128	554929	43.90	ng	95
9) Benzaldehyde	6.387	77	255450	27.74	ng	98
10) Phenol	6.487	94	681975	43.27	ng	92
11) bis(2-Chloroethyl)ether	6.575	93	517614	42.98	ng	99
12) 1,3-Dichlorobenzene	6.781	146	603063	40.31	ng	98
13) 1,4-Dichlorobenzene	6.857	146	607404	40.27	ng	98
14) 1,2-Dichlorobenzene	7.010	146	585948	40.24	ng	99
15) Benzyl Alcohol	6.987	79	465585	44.45	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.116	45	676017	39.37	ng	99
17) 2-Methylphenol	7.098	107	448171	44.60	ng	98
18) Hexachloroethane	7.351	117	220918	41.10	ng	94
19) n-Nitroso-di-n-propyla...	7.257	70	362468	41.60	ng	99
20) 3+4-Methylphenols	7.251	107	521304	41.06	ng	# 88
22) Acetophenone	7.251	105	690143	39.44	ng	97
24) Nitrobenzene	7.422	77	568192	40.66	ng	99
25) Isophorone	7.663	82	1008492	41.69	ng	99
26) 2-Nitrophenol	7.739	139	278196	40.82	ng	97
27) 2,4-Dimethylphenol	7.781	122	469552	47.01	ng	99
28) bis(2-Chloroethoxy)met...	7.875	93	645963	38.99	ng	99
29) 2,4-Dichlorophenol	7.986	162	465861	39.94	ng	97
30) 1,2,4-Trichlorobenzene	8.069	180	506724	38.34	ng	98
31) Naphthalene	8.145	128	1549965	39.91	ng	100
33) 4-Chloroaniline	8.192	127	194909	12.01	ng	99
34) Hexachlorobutadiene	8.263	225	302003	37.13	ng	99
35) Caprolactam	8.569	113	123473m	35.15	ng	
36) 4-Chloro-3-methylphenol	8.681	107	471878	41.07	ng	98
37) 2-Methylnaphthalene	8.839	142	1030732	40.13	ng	99
38) 1-Methylnaphthalene	8.939	142	963607	39.65	ng	100
40) 1,2,4,5-Tetrachloroben...	9.004	216	485481	39.83	ng	99
41) Hexachlorocyclopentadiene	8.992	237	485454	90.09	ng	98
43) 2,4,6-Trichlorophenol	9.116	196	305741	36.32	ng	99
44) 2,4,5-Trichlorophenol	9.157	196	322882	37.11	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120920\
 Data File : BF122609.D
 Acq On : 9 Dec 2020 13:02
 Operator : JU/CG
 Sample : L4968-02MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSD-SOILMSD

Manual Integrations
 APPROVED

mohammad
 12/18/2020 10:22:52 AM

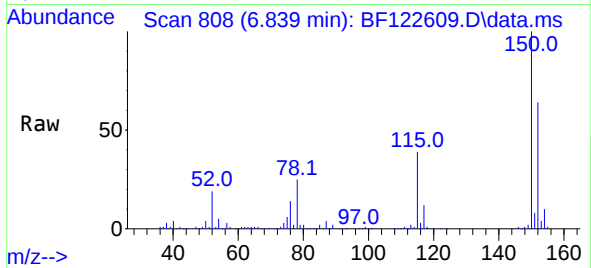
Quant Time: Dec 09 13:56:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 12:08:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.304	154	1230841	40.30	ng	99
47) 2-Chloronaphthalene	9.328	162	988892	39.08	ng	99
48) 2-Nitroaniline	9.422	65	286875	38.89	ng	93
49) Acenaphthylene	9.745	152	1499481	40.12	ng	100
50) Dimethylphthalate	9.604	163	1230444	41.87	ng	99
51) 2,6-Dinitrotoluene	9.669	165	264645	42.64	ng	94
52) Acenaphthene	9.916	154	897168	37.10	ng	99
53) 3-Nitroaniline	9.833	138	156073	21.76	ng	99
54) 2,4-Dinitrophenol	9.939	184	22389	7.38	ng	92
55) Dibenzofuran	10.086	168	1357691	39.92	ng	100
56) 4-Nitrophenol	9.998	139	315231	61.64	ng	91
57) 2,4-Dinitrotoluene	10.069	165	341624	41.32	ng	96
58) Fluorene	10.427	166	1033360	38.20	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.204	232	225443	29.49	ng	99
60) Diethylphthalate	10.304	149	1104467	38.64	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	502454	37.72	ng	97
62) 4-Nitroaniline	10.445	138	262244	36.02	ng	98
63) Azobenzene	10.580	77	1028708	39.15	ng	98
65) 4,6-Dinitro-2-methylph...	10.475	198	42882	10.78	ng	96
66) n-Nitrosodiphenylamine	10.539	169	936096	40.62	ng	99
67) 4-Bromophenyl-phenylether	10.910	248	343427	38.86	ng	94
68) Hexachlorobenzene	10.980	284	375846	38.47	ng	94
69) Atrazine	11.069	200	265258	35.45	ng	99
70) Pentachlorophenol	11.174	266	219434	42.39	ng	98
71) Phenanthrene	11.392	178	1520827	39.24	ng	100
72) Anthracene	11.445	178	1567065	40.77	ng	99
73) Carbazole	11.598	167	1377663	39.53	ng	99
74) Di-n-butylphthalate	11.927	149	1640365	37.45	ng	100
75) Fluoranthene	12.580	202	1519320	37.38	ng	99
77) Benzidine	12.698	184	305846	31.42	ng	97
78) Pyrene	12.810	202	1508580	43.36	ng	99
80) Butylbenzylphthalate	13.427	149	634632	40.50	ng	96
81) Benzo(a)anthracene	13.998	228	1201335	39.95	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	184315	17.11	ng	97
83) Chrysene	14.033	228	1189864	39.76	ng	99
84) Bis(2-ethylhexyl)phtha...	13.986	149	833792	38.85	ng	99
85) Di-n-octyl phthalate	14.598	149	1348625	37.88	ng	98
87) Indeno(1,2,3-cd)pyrene	16.927	276	1420270	47.88	ng	99
88) Benzo(b)fluoranthene	15.045	252	1194551	37.68	ng	99
89) Benzo(k)fluoranthene	15.074	252	1135565	39.17	ng	99
90) Benzo(a)pyrene	15.409	252	1087680	39.21	ng	99
91) Dibenzo(a,h)anthracene	16.945	278	1163559	47.93	ng	99
92) Benzo(g,h,i)perylene	17.368	276	1233586	52.50	ng	99

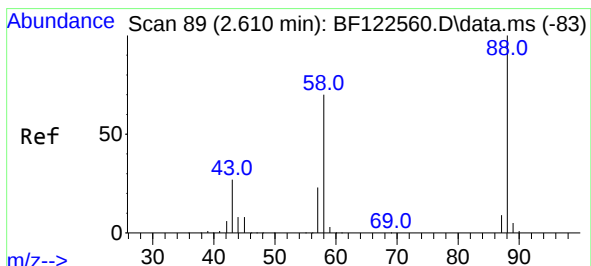
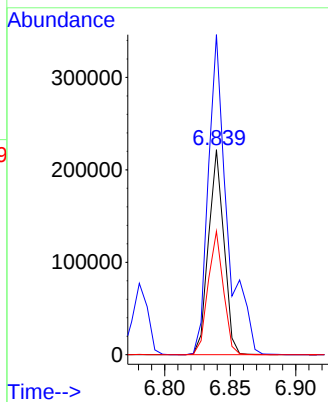
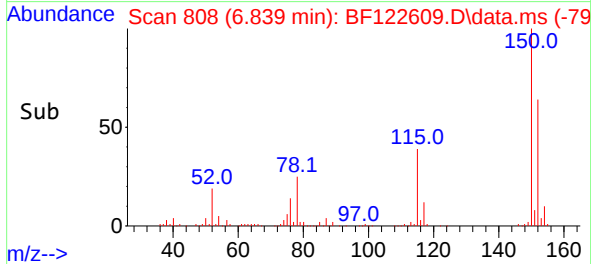
(#) = qualifier out of range (m) = manual integration (+) = signals summed



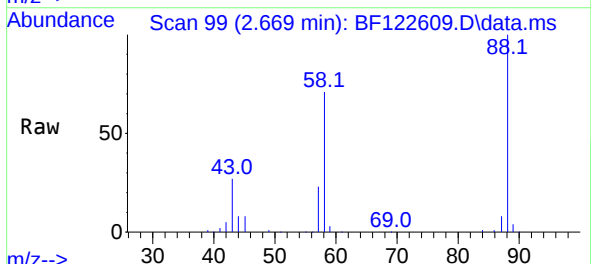
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.001 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



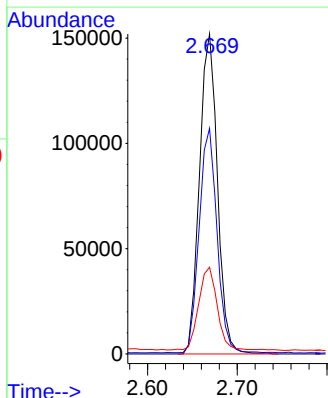
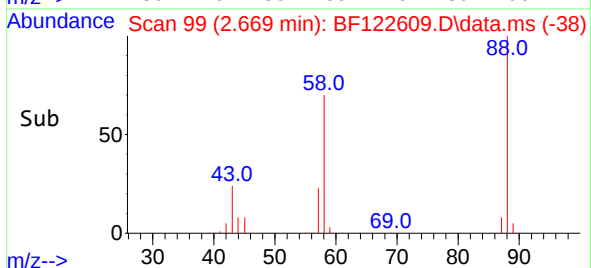
Tgt Ion:152 Resp: 181586
Ion Ratio Lower Upper
152 100
150 156.1 125.8 188.6
115 60.2 49.3 73.9



#2
1,4-Dioxane
Concen: 39.24 ng
RT: 2.669 min Scan# 99
Delta R.T. 0.059 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



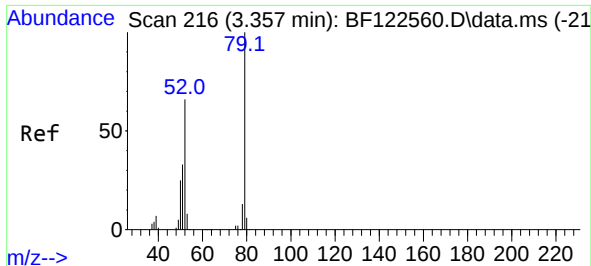
Tgt Ion: 88 Resp: 211543
Ion Ratio Lower Upper
88 100
58 69.6 56.2 84.2
43 27.2 21.8 32.6



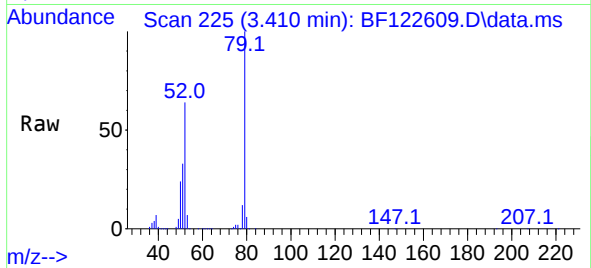
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

Manual Integrations
APPROVED

mohammad
12/18/2020 10:22:52 AM

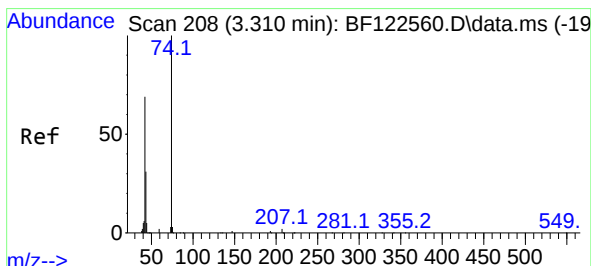
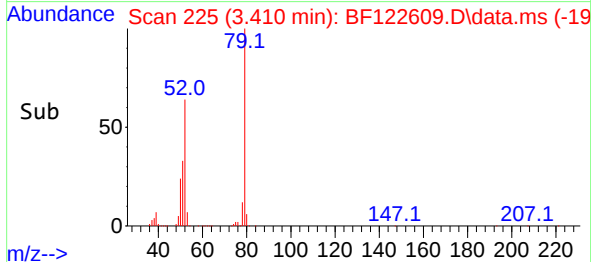
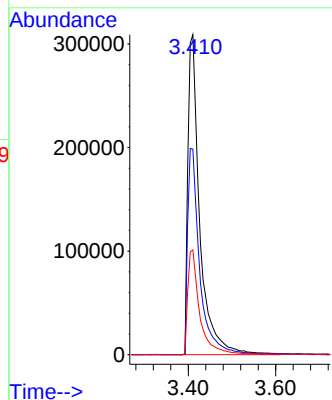


#3
Pyridine
Concen: 40.86 ng
RT: 3.410 min Scan# 225
Delta R.T. 0.053 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

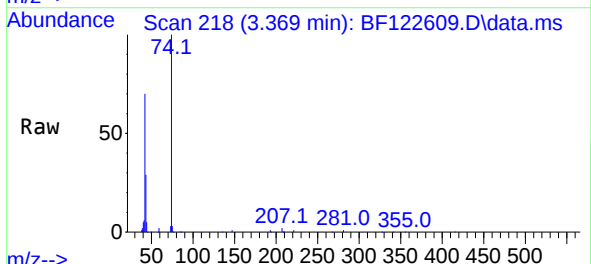


Tgt Ion: 79 Resp: 582302

Ion	Ratio	Lower	Upper
79	100		
52	64.3	53.0	79.4
51	32.8	26.6	39.8

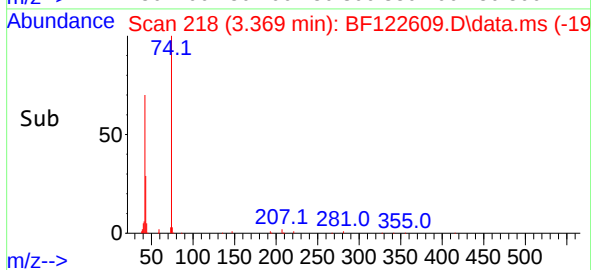
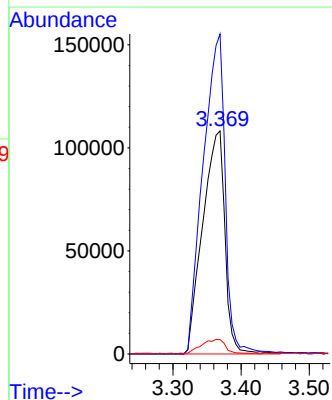


#4
n-Nitrosodimethylamine
Concen: 42.95 ng
RT: 3.369 min Scan# 218
Delta R.T. 0.059 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



Tgt Ion: 42 Resp: 245452

Ion	Ratio	Lower	Upper
42	100		
74	143.5	115.2	172.8
44	6.5	5.4	8.0



Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

Manual Integrations
APPROVED

mohammad
12/18/2020 10:22:52 AM



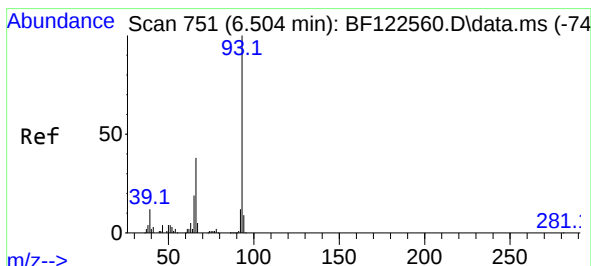
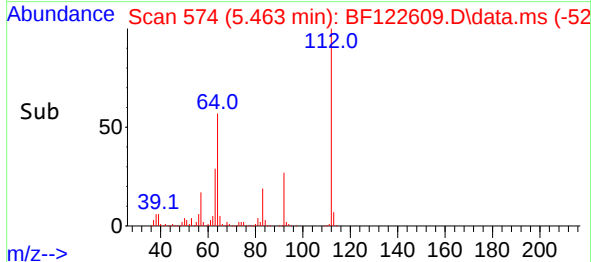
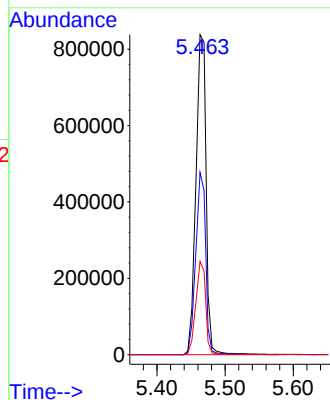
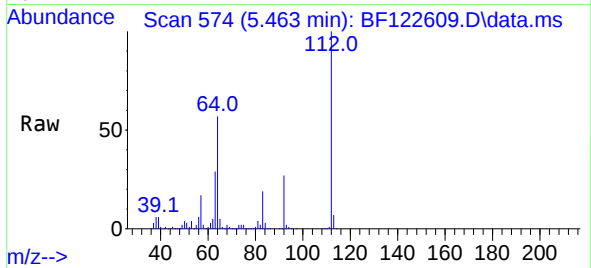
#5
2-Fluorophenol
Concen: 76.07 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 112 Resp: 872480
Ion Ratio Lower Upper
112 100
64 57.0 46.9 70.3
63 29.2 24.5 36.7

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

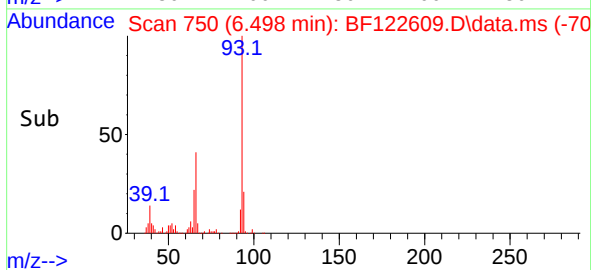
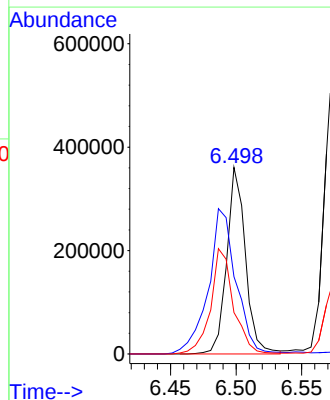
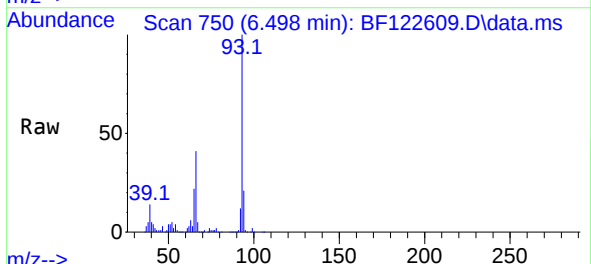
Manual Integrations
APPROVED

mohammad
12/18/2020 10:22:52 AM



#6
Aniline
Concen: 20.01 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

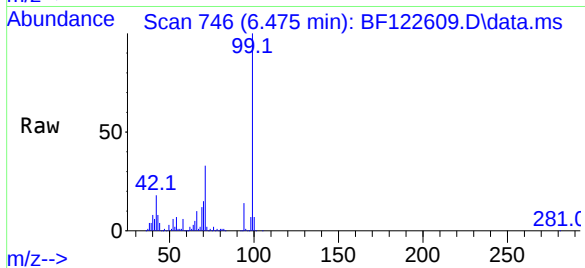
Tgt Ion: 93 Resp: 358274
Ion Ratio Lower Upper
93 100
66 41.4 31.3 46.9
65 22.2 15.6 23.4





#7
Phenol-d6
Concen: 71.59 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

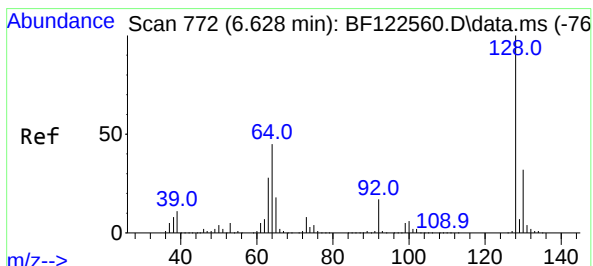
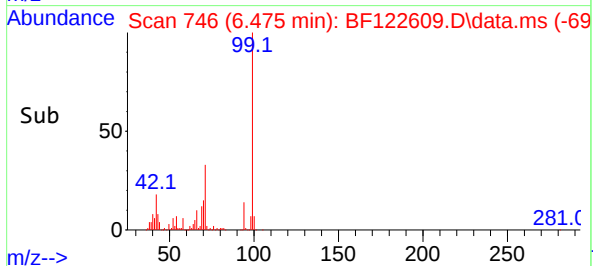
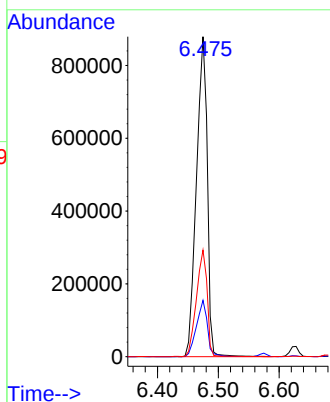


Tgt Ion: 99 Resp: 1088975

Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.8	20.6
71	33.3	26.9	40.3

Manual Integrations
APPROVED

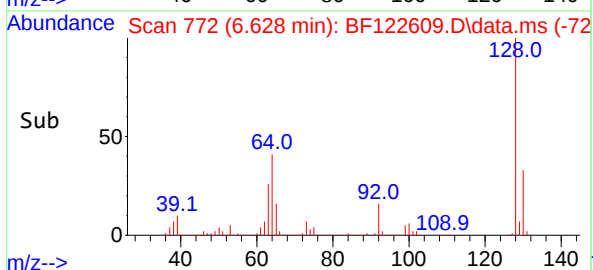
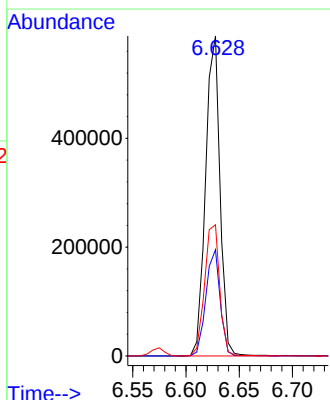
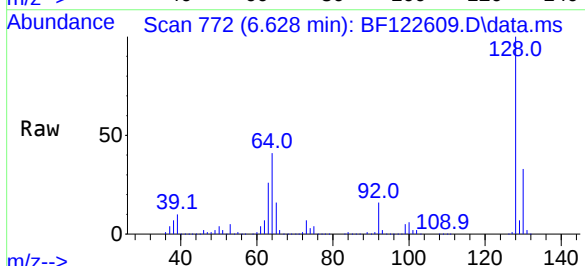
mohammad
12/18/2020 10:22:52 AM

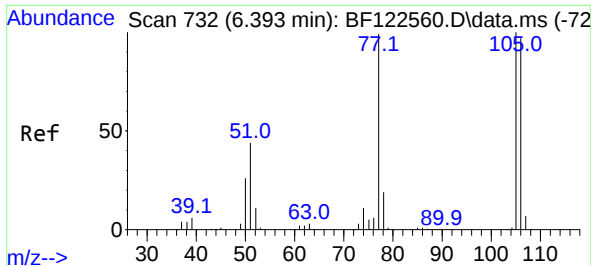


#8
2-Chlorophenol
Concen: 43.90 ng
RT: 6.628 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 128 Resp: 554929

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.3	52.3
64	41.0	25.5	65.5





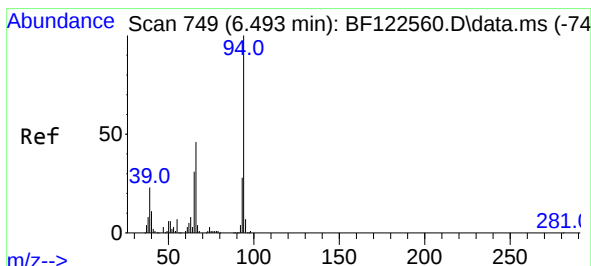
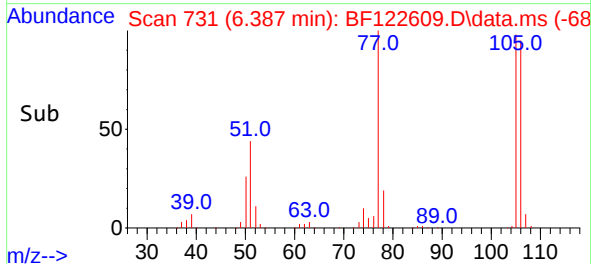
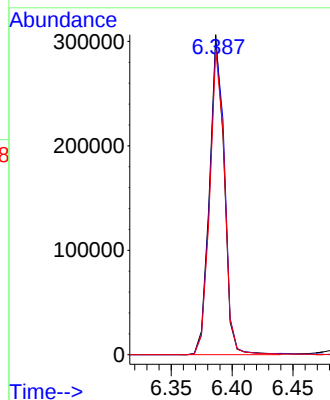
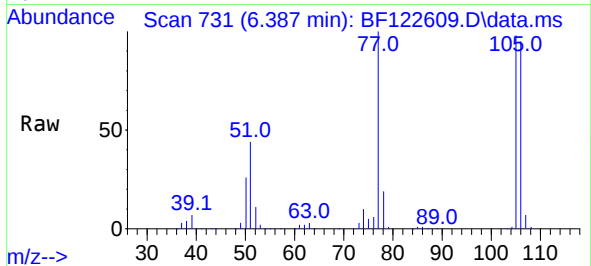
#9
Benzaldehyde
Concen: 27.74 ng
RT: 6.387 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 77 Resp: 255450
Ion Ratio Lower Upper
77 100
105 97.8 80.6 120.6
106 95.2 77.2 117.2

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

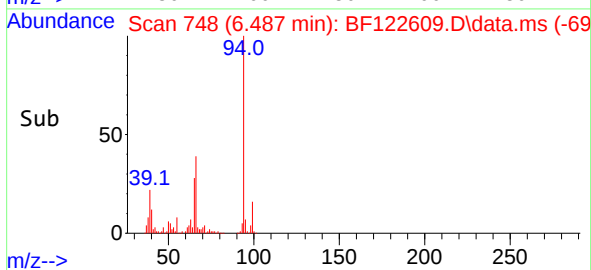
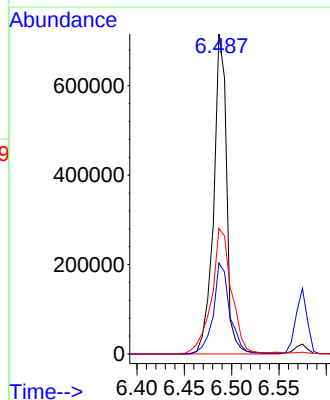
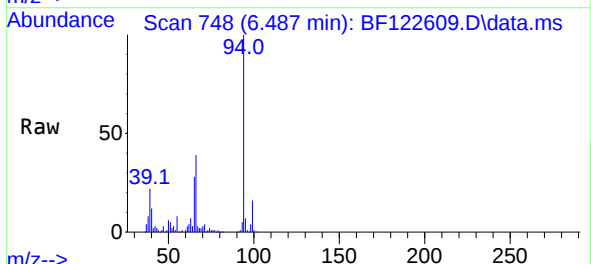
Manual Integrations
APPROVED

mohammad
12/18/2020 10:22:52 AM



#10
Phenol
Concen: 43.27 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 94 Resp: 681975
Ion Ratio Lower Upper
94 100
65 28.4 11.2 51.2
66 39.3 25.8 65.8





#11
bis(2-Chloroethyl)ether
Concen: 42.98 ng
RT: 6.575 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

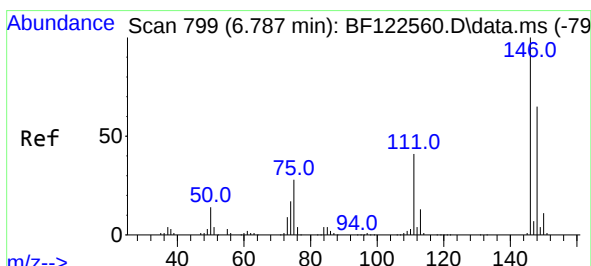
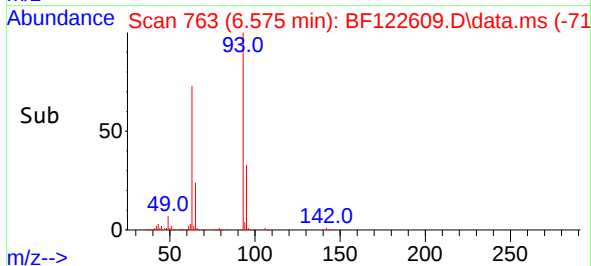
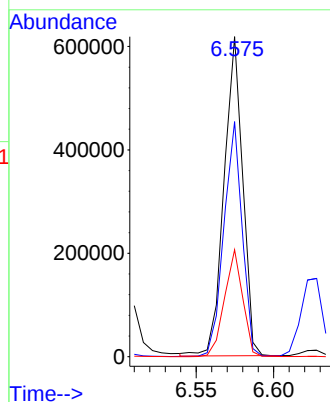
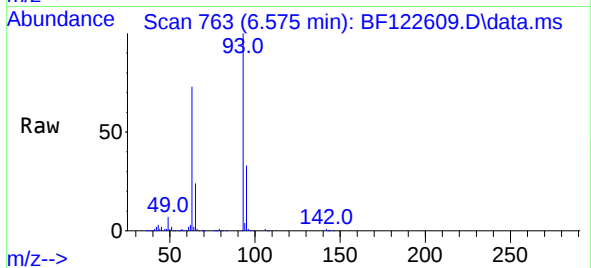
Tgt Ion: 93 Resp: 517614

Ion	Ratio	Lower	Upper
93	100		
63	73.4	52.6	92.6
95	33.4	12.6	52.6

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

Manual Integrations
APPROVED

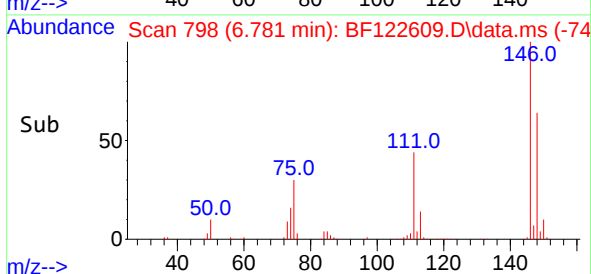
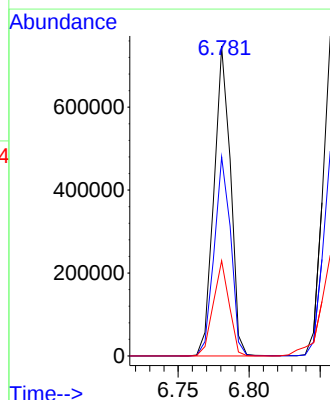
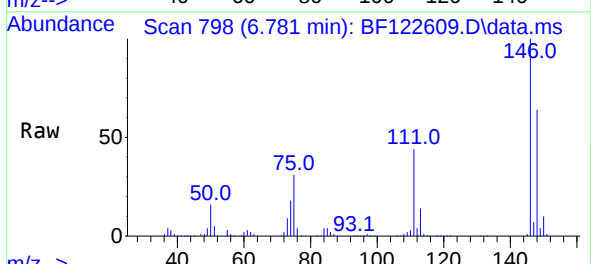
mohammad
12/18/2020 10:22:52 AM

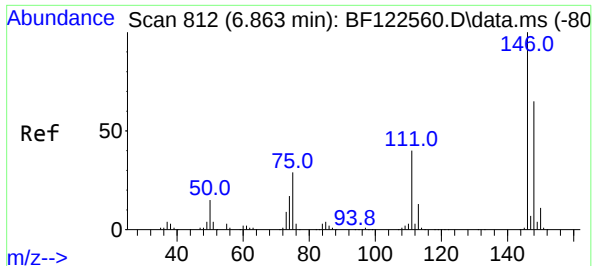


#12
1,3-Dichlorobenzene
Concen: 40.31 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 146 Resp: 603063

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.8	77.8
75	30.7	22.5	33.7





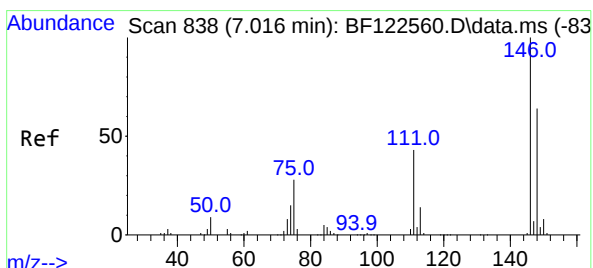
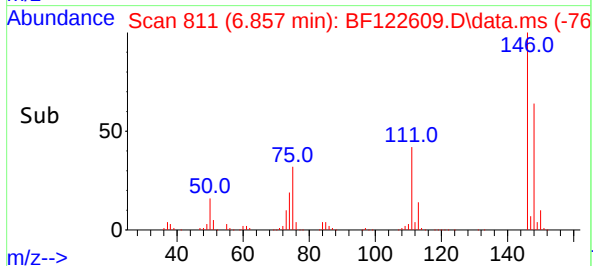
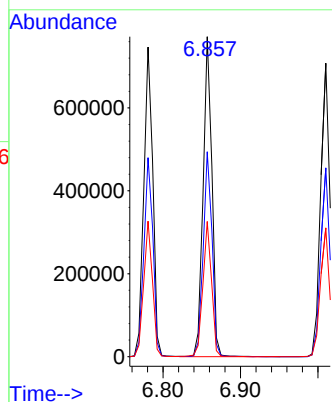
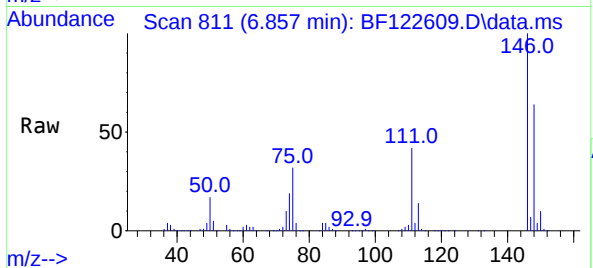
#13
1,4-Dichlorobenzene
Concen: 40.27 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:146 Resp: 607404
Ion Ratio Lower Upper
146 100
148 64.1 52.0 78.0
111 42.3 32.3 48.5

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

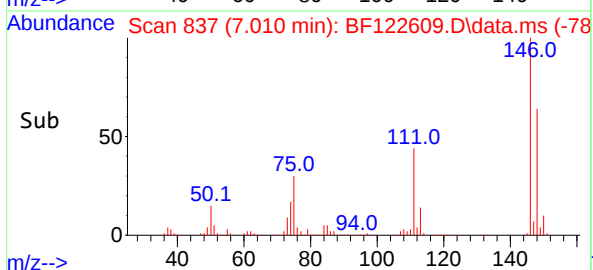
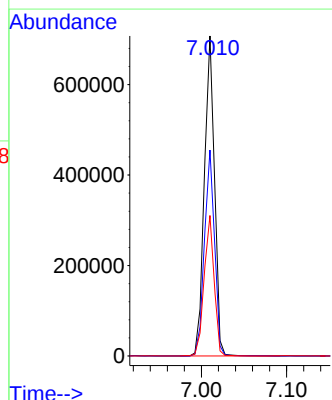
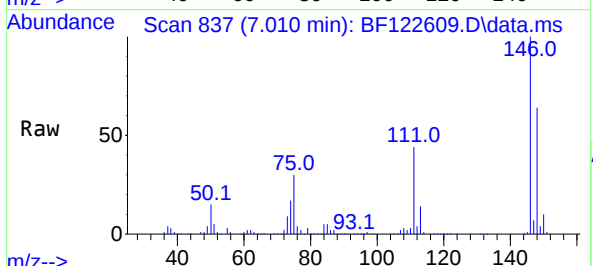
Manual Integrations
APPROVED

mohammad
12/18/2020 10:22:52 AM



#14
1,2-Dichlorobenzene
Concen: 40.24 ng
RT: 7.010 min Scan# 837
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

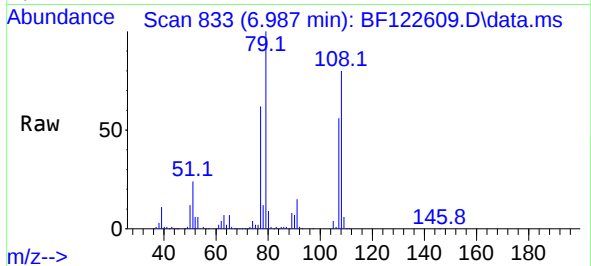
Tgt Ion:146 Resp: 585948
Ion Ratio Lower Upper
146 100
148 64.4 51.5 77.3
111 43.9 34.2 51.2



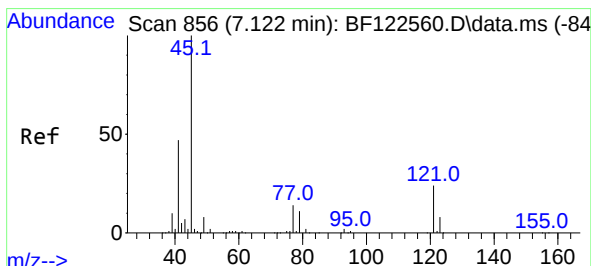
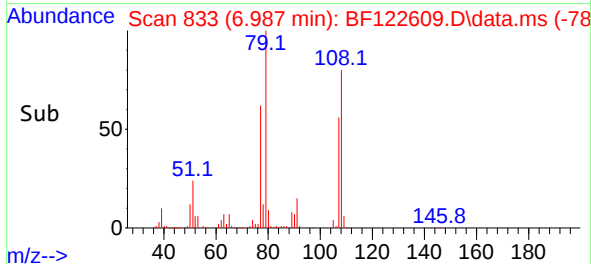
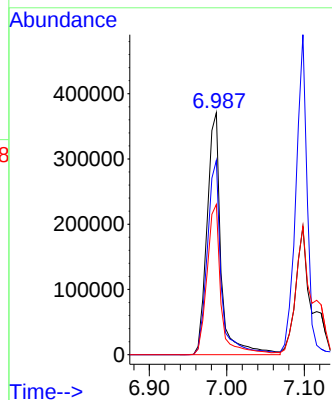


#15
Benzyl Alcohol
Concen: 44.45 ng
RT: 6.987 min Scan# 833
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

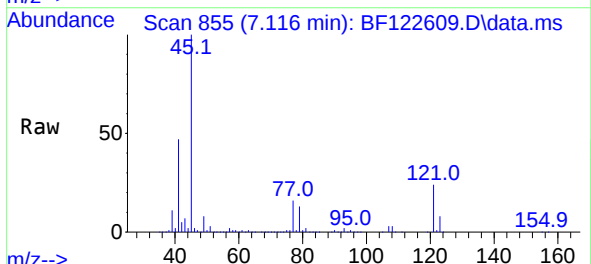
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD



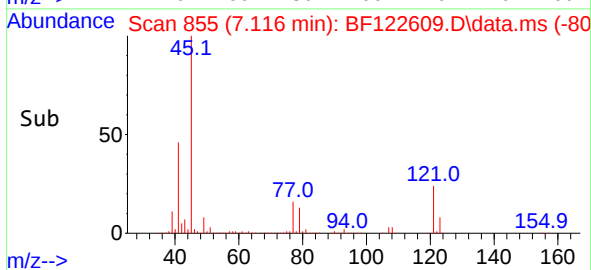
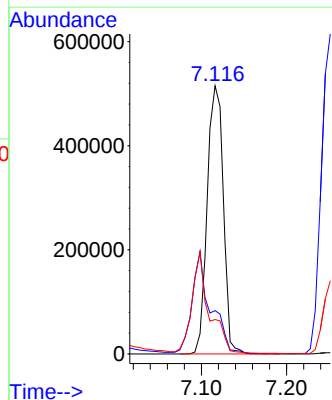
Tgt Ion: 79 Resp: 465585
Ion Ratio Lower Upper
79 100
108 80.3 62.4 93.6
77 62.1 49.0 73.6

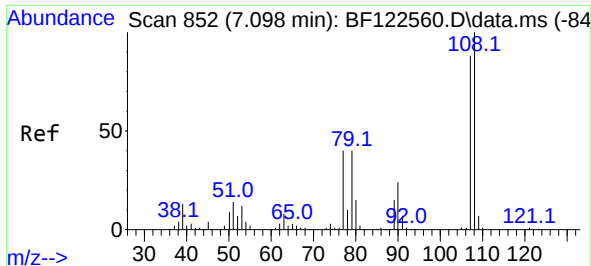


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.37 ng
RT: 7.116 min Scan# 855
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



Tgt Ion: 45 Resp: 676017
Ion Ratio Lower Upper
45 100
77 16.2 0.0 35.6
79 12.8 0.0 32.4





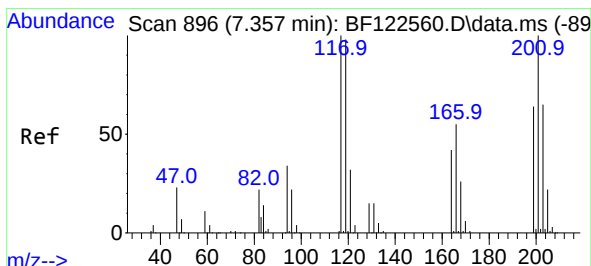
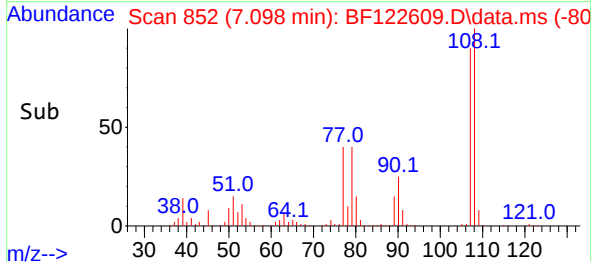
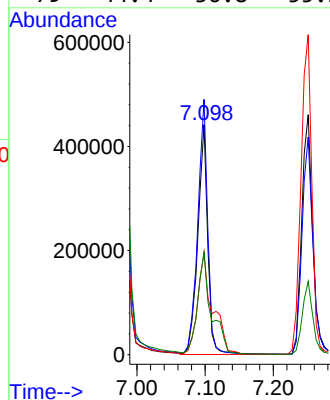
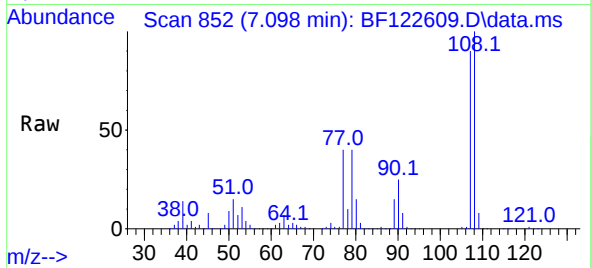
#17
2-Methylphenol
Concen: 44.60 ng
RT: 7.098 min Scan# 852
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:	107	Resp:	448171
Ion	Ratio	Lower	Upper
107	100		
108	111.0	91.1	136.7
77	44.6	36.3	54.5
79	44.4	36.8	55.2

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

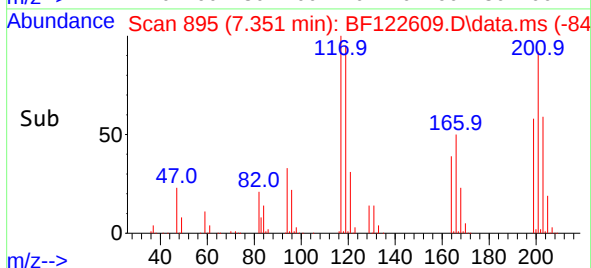
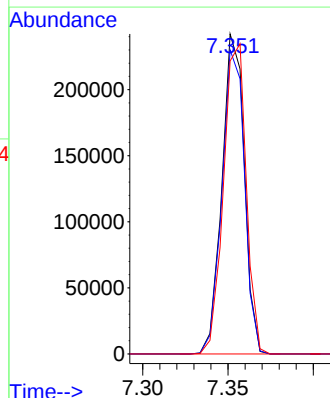
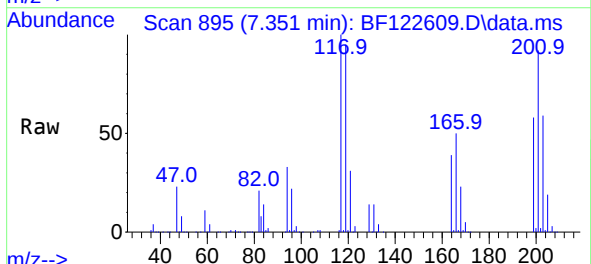
Manual Integrations
APPROVED

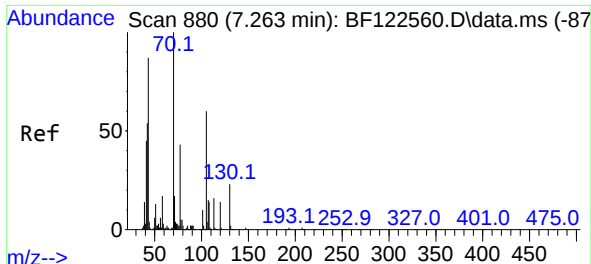
mohammad
12/18/2020 10:22:52 AM



#18
Hexachloroethane
Concen: 41.10 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:	117	Resp:	220918
Ion	Ratio	Lower	Upper
117	100		
119	95.0	78.4	117.6
201	91.5	79.6	119.4





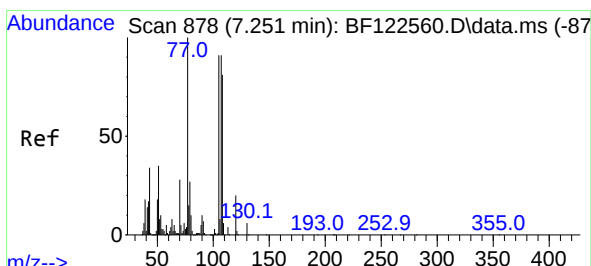
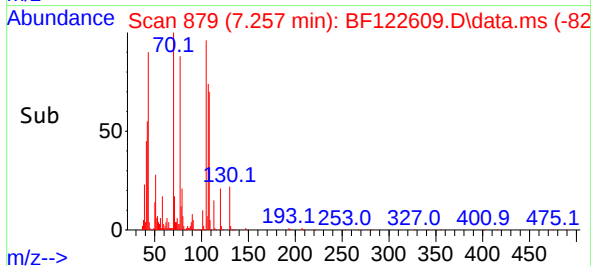
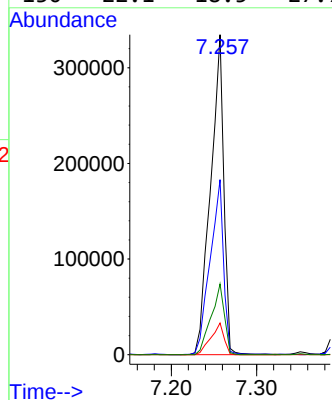
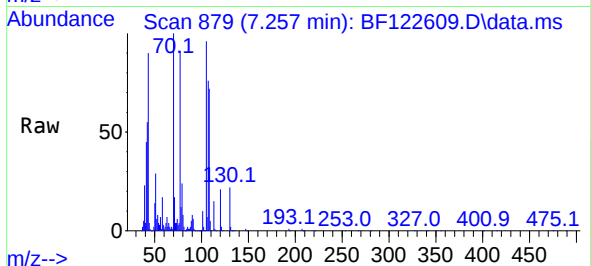
#19
n-Nitroso-di-n-propylamine
Concen: 41.60 ng
RT: 7.257 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 70 Resp: 362468
Ion Ratio Lower Upper
70 100
42 54.7 43.0 64.4
101 9.9 7.9 11.9
130 22.1 18.5 27.7

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

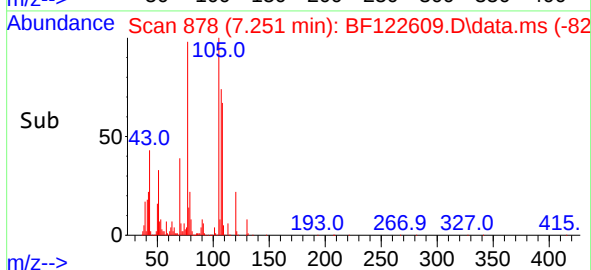
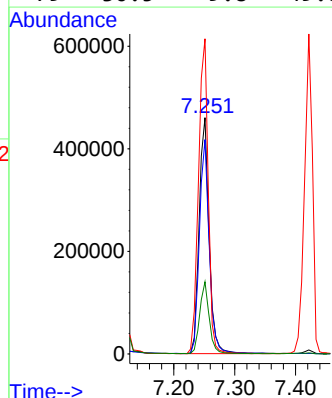
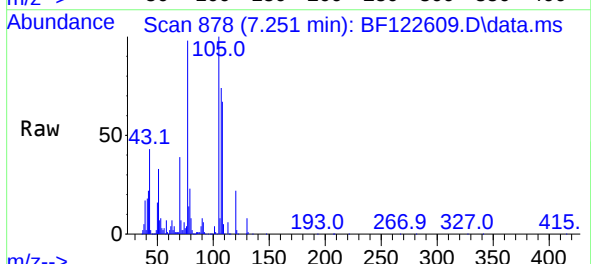
Manual Integrations
APPROVED

mohammad
12/18/2020 10:22:52 AM



#20
3+4-Methylphenols
Concen: 41.06 ng
RT: 7.251 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

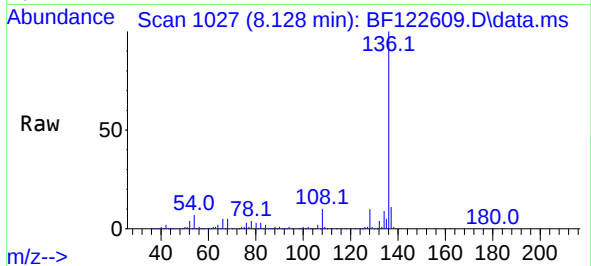
Tgt Ion: 107 Resp: 521304
Ion Ratio Lower Upper
107 100
108 90.7 68.7 108.7
77 133.4 89.8 129.8#
79 30.5 9.8 49.8





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

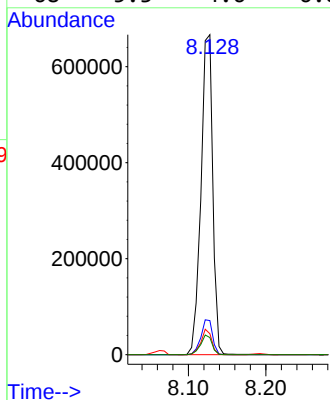
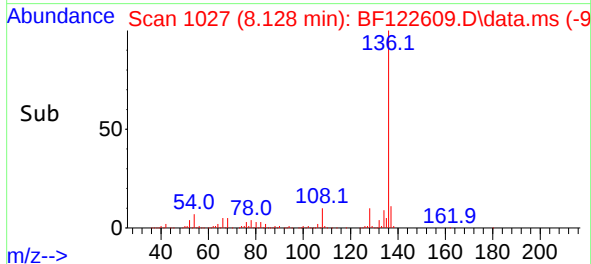
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD



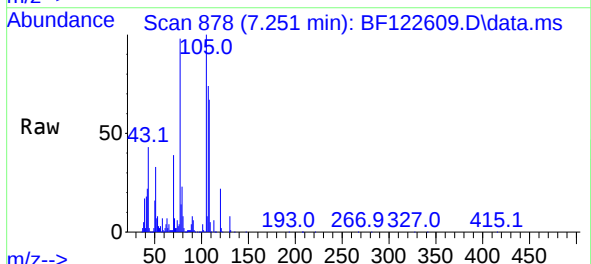
Tgt Ion:136 Resp: 703718
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 6.6 5.5 8.3
68 5.3 4.6 6.8

Manual Integrations
APPROVED

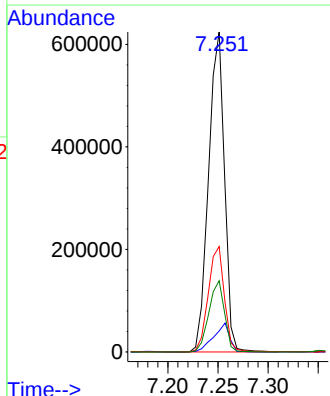
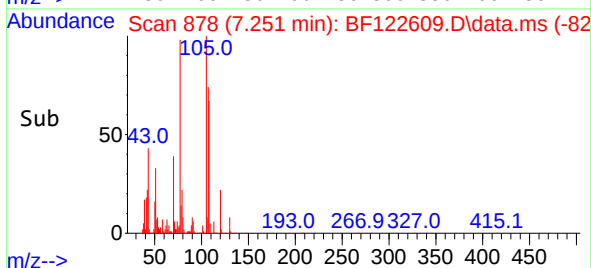
mohammad
12/18/2020 10:22:52 AM

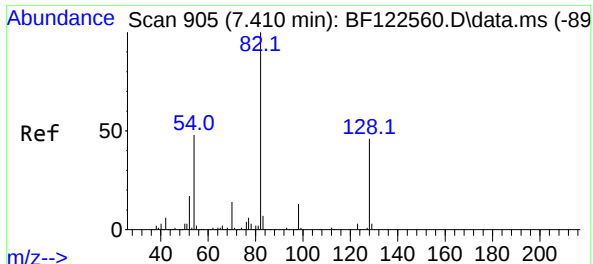


#22
Acetophenone
Concen: 39.44 ng
RT: 7.251 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



Tgt Ion:105 Resp: 690143
Ion Ratio Lower Upper
105 100
71 6.5 6.5 9.7
51 32.9 24.3 36.5
120 22.3 18.1 27.1





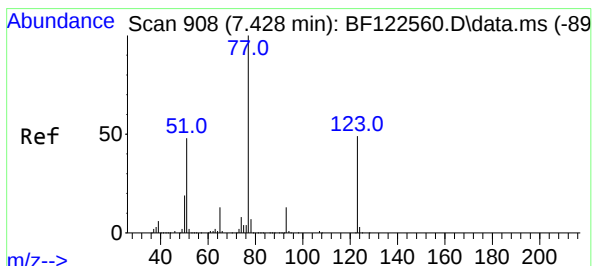
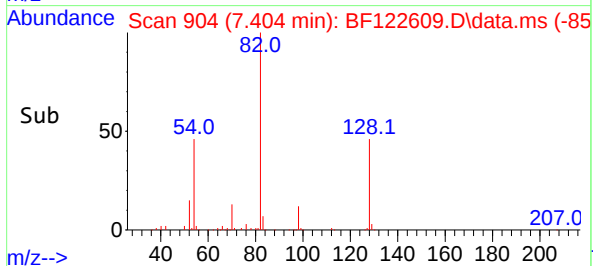
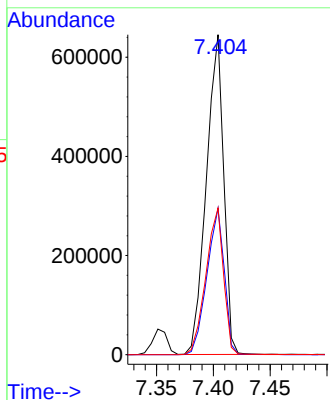
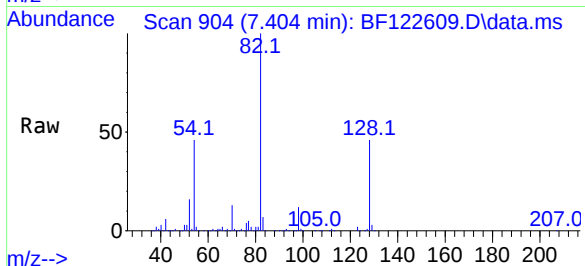
#23
Nitrobenzene-d5
Concen: 48.90 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 82 Resp: 686795
Ion Ratio Lower Upper
82 100
128 45.8 37.0 55.4
54 45.8 38.4 57.6

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

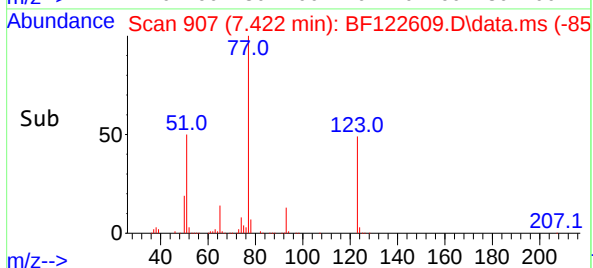
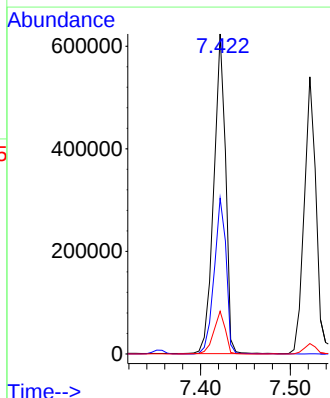
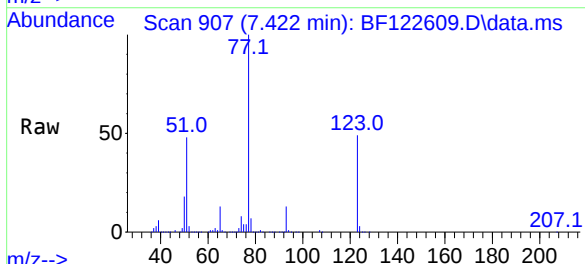
Manual Integrations
APPROVED

mohammad
12/18/2020 10:22:52 AM



#24
Nitrobenzene
Concen: 40.66 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

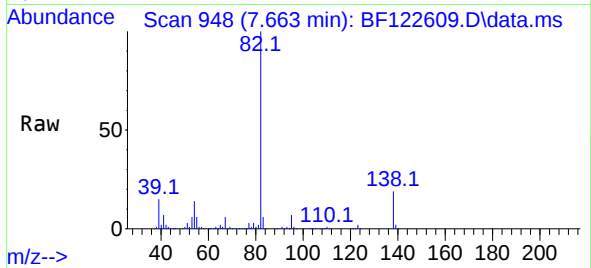
Tgt Ion: 77 Resp: 568192
Ion Ratio Lower Upper
77 100
123 48.7 39.3 58.9
65 13.3 10.6 15.8





#25
Isophorone
Concen: 41.69 ng
RT: 7.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

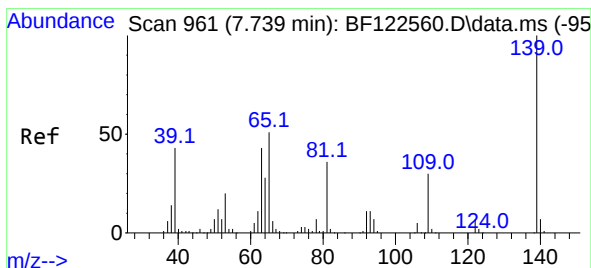
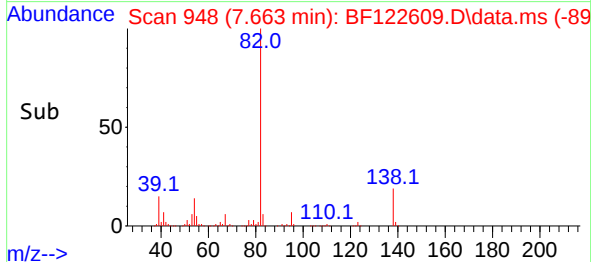
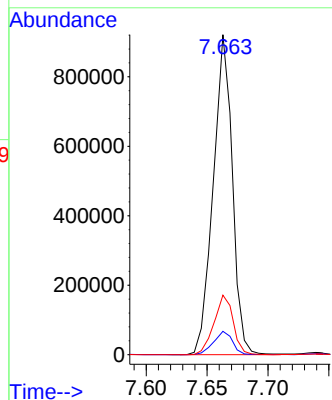
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD



Tgt Ion: 82 Resp: 1008492
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.6
138 18.6 14.6 21.8

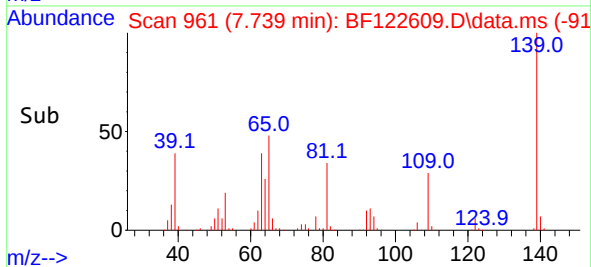
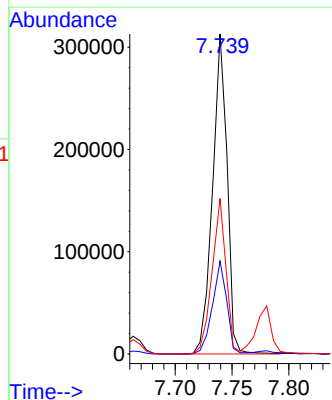
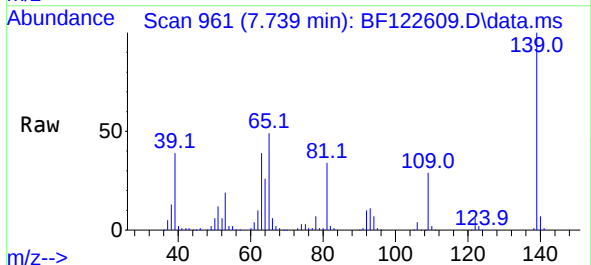
Manual Integrations
APPROVED

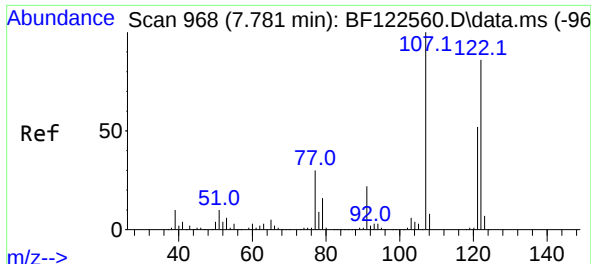
mohammad
12/18/2020 10:22:52 AM



#26
2-Nitrophenol
Concen: 40.82 ng
RT: 7.739 min Scan# 961
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:139 Resp: 278196
Ion Ratio Lower Upper
139 100
109 29.0 24.0 36.0
65 48.6 40.9 61.3





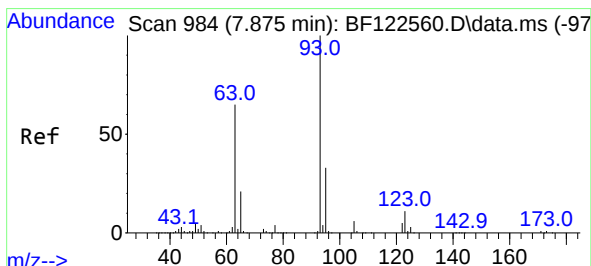
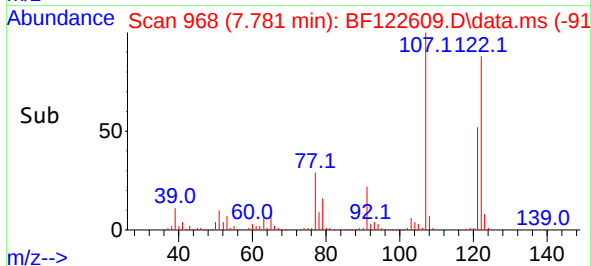
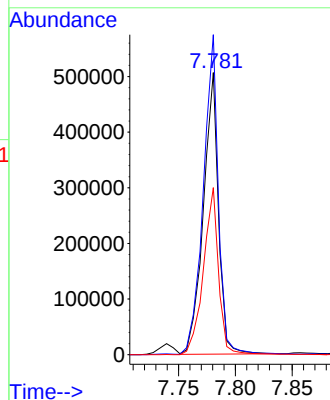
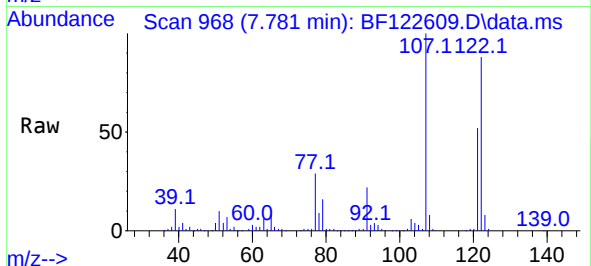
#27
2,4-Dimethylphenol
Concen: 47.01 ng
RT: 7.781 min Scan# 968
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:	122	Resp:	469552
Ion	Ratio	Lower	Upper
122	100		
107	113.4	91.8	137.8
121	59.2	47.3	70.9

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

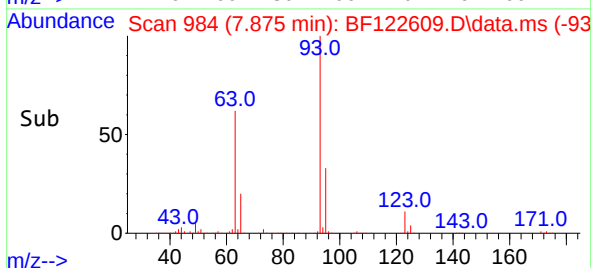
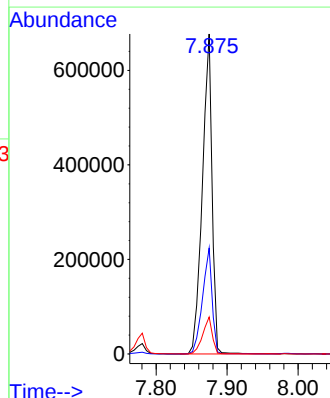
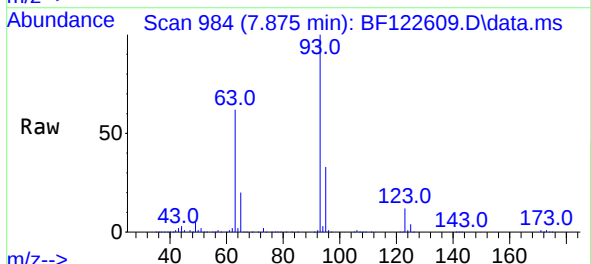
Manual Integrations
APPROVED

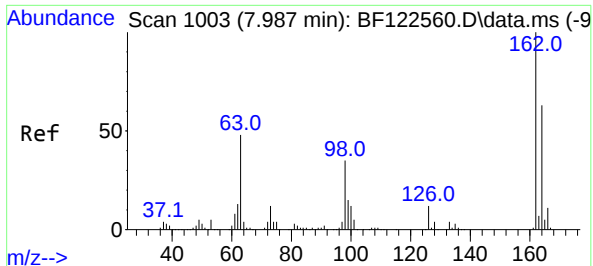
mohammad
12/18/2020 10:22:52 AM



#28
bis(2-Chloroethoxy)methane
Concen: 38.99 ng
RT: 7.875 min Scan# 984
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

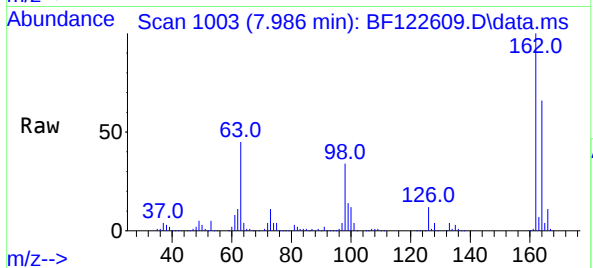
Tgt Ion:	93	Resp:	645963
Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.2	39.2
123	11.5	9.2	13.8





#29
2,4-Dichlorophenol
Concen: 39.94 ng
RT: 7.986 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

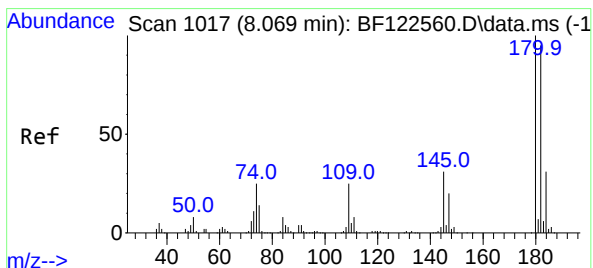
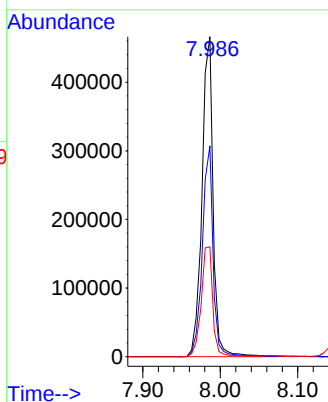
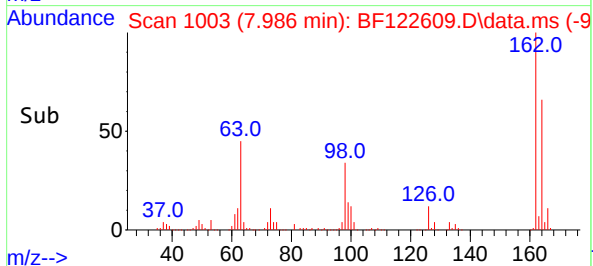
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD



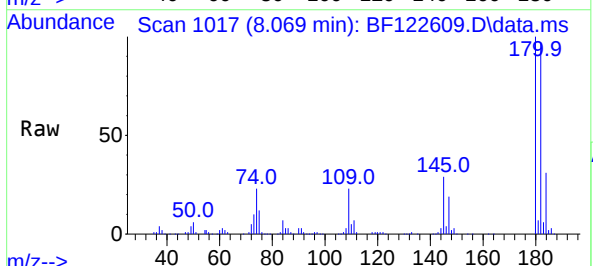
Tgt Ion:162 Resp: 465861
Ion Ratio Lower Upper
162 100
164 65.9 43.2 83.2
98 34.3 15.2 55.2

Manual Integrations
APPROVED

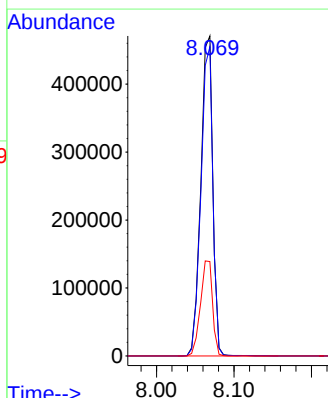
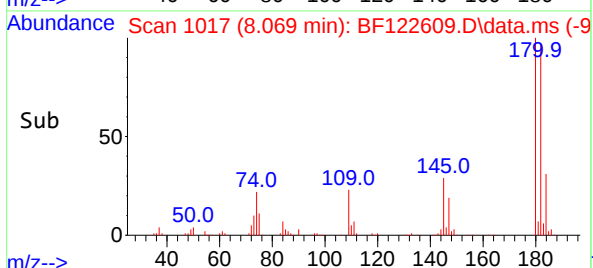
mohammad
12/18/2020 10:22:52 AM

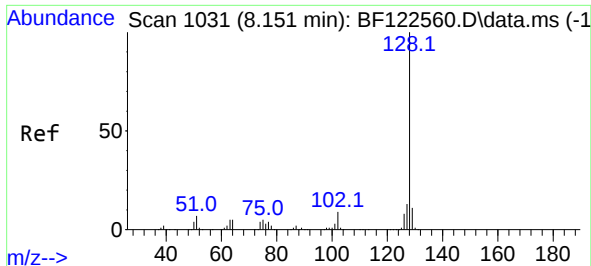


#30
1,2,4-Trichlorobenzene
Concen: 38.34 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



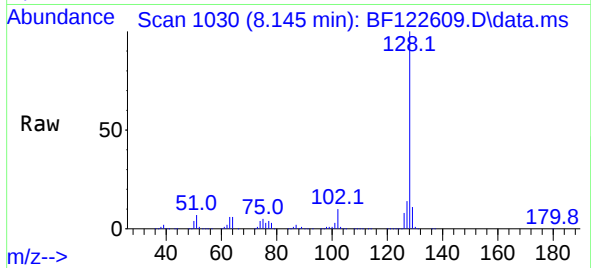
Tgt Ion:180 Resp: 506724
Ion Ratio Lower Upper
180 100
182 96.7 75.7 113.5
145 29.5 25.0 37.4





#31
Naphthalene
Concen: 39.91 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

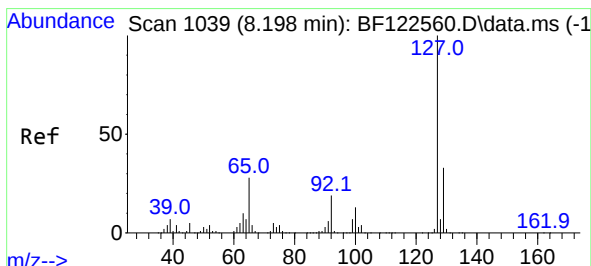
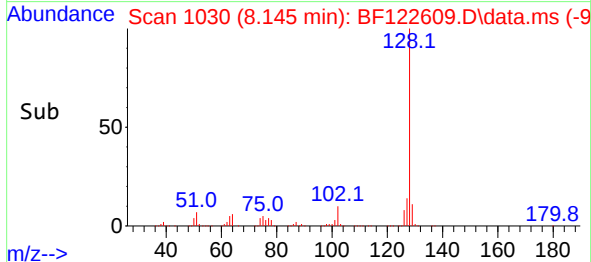
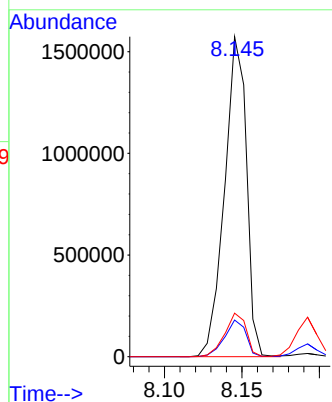


Tgt Ion:128 Resp: 1549965

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.6
127	13.6	10.7	16.1

Manual Integrations
APPROVED

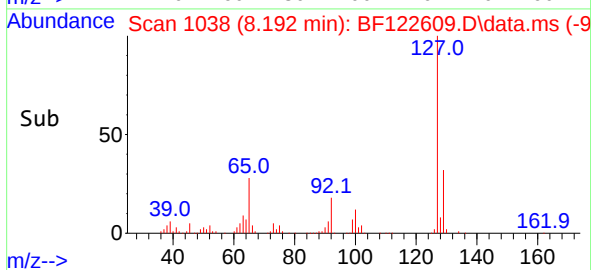
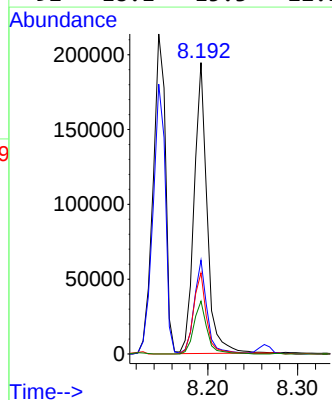
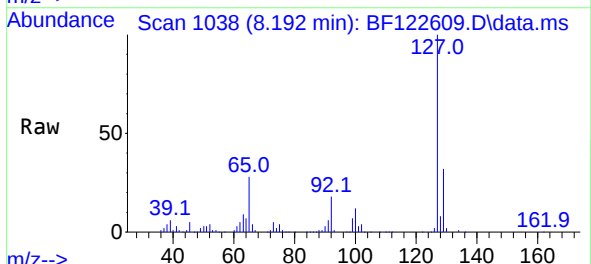
mohammad
12/18/2020 10:22:52 AM

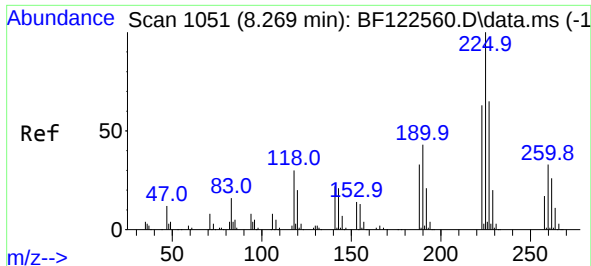


#33
4-Chloroaniline
Concen: 12.01 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:127 Resp: 194909

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.2	39.2
65	27.9	22.2	33.2
92	18.1	15.3	22.9





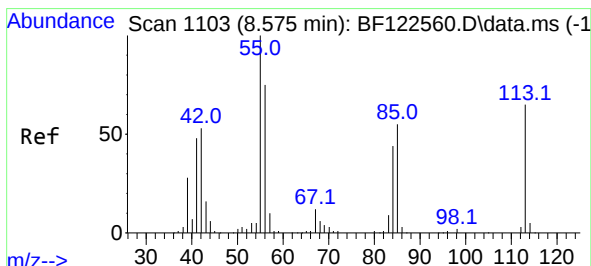
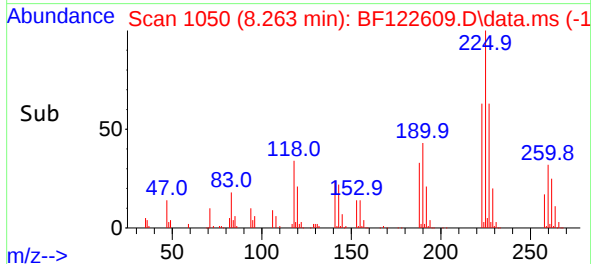
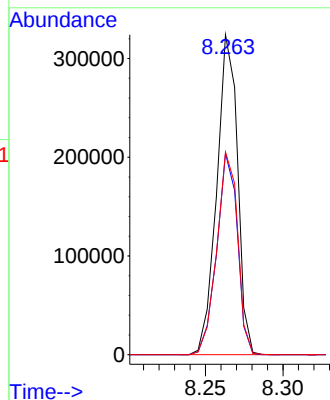
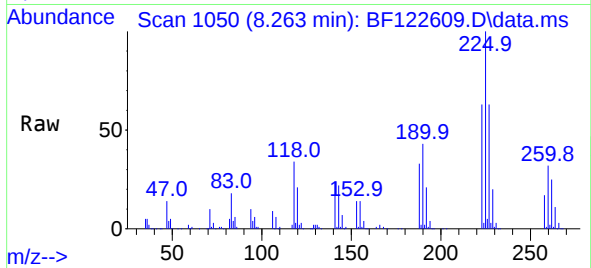
#34
Hexachlorobutadiene
Concen: 37.13 ng
RT: 8.263 min Scan# 1050
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 225 Resp: 302003
Ion Ratio Lower Upper
225 100
223 62.9 50.7 76.1
227 63.3 51.7 77.5

Instrument :
BNA_F
ClientSampled :
HSD-SOILMSD

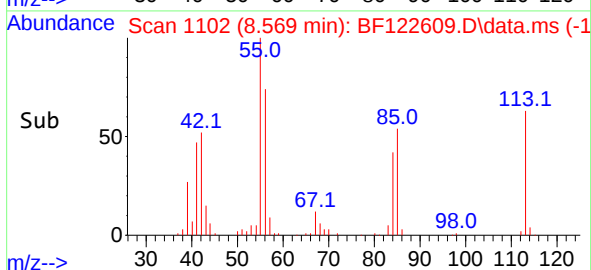
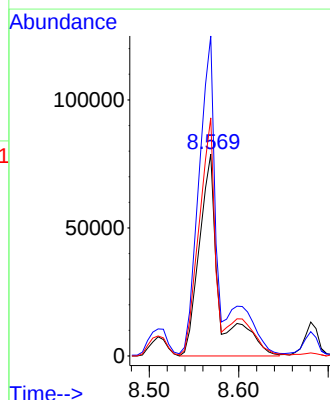
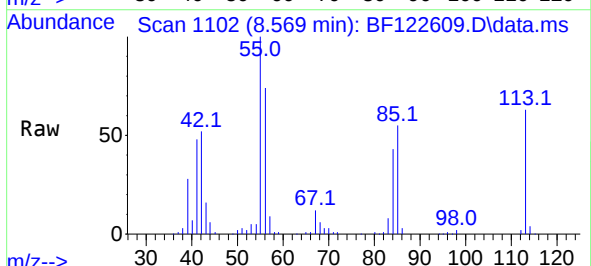
Manual Integrations
APPROVED

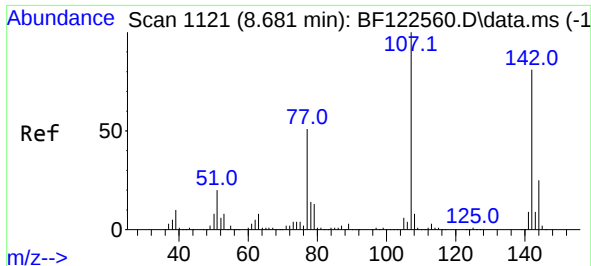
mohammad
12/18/2020 10:22:52 AM



#35
Caprolactam
Concen: 35.15 ng m
RT: 8.569 min Scan# 1102
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

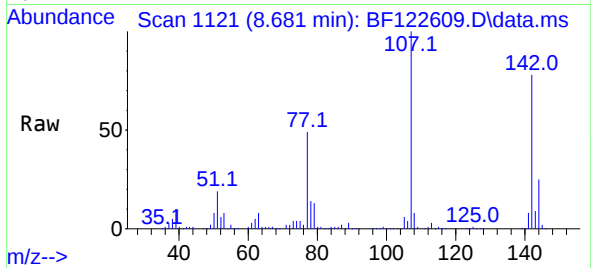
Tgt Ion: 113 Resp: 123473
Ion Ratio Lower Upper
113 100
55 158.4 133.7 173.7
56 117.9 95.3 135.3





#36
4-Chloro-3-methylphenol
Concen: 41.07 ng
RT: 8.681 min Scan# 1121
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

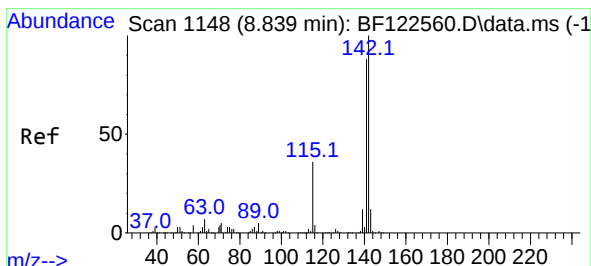
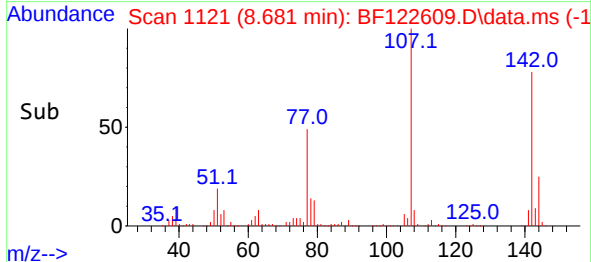
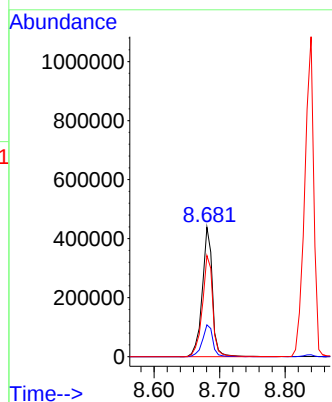
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD



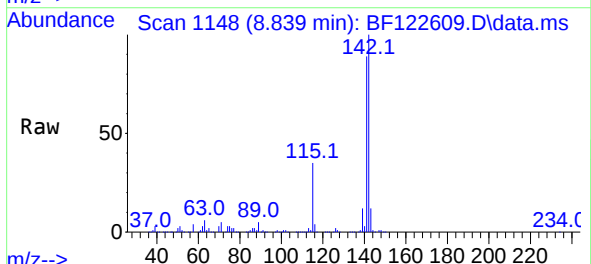
Tgt Ion:107 Resp: 471878
Ion Ratio Lower Upper
107 100
144 24.7 20.2 30.2
142 78.1 64.4 96.6

Manual Integrations
APPROVED

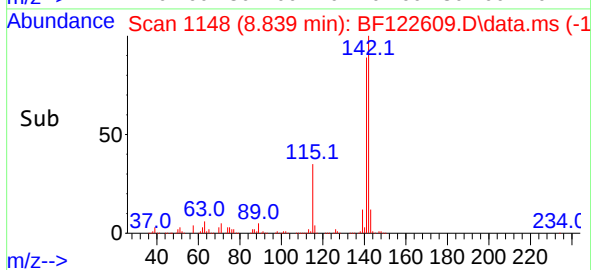
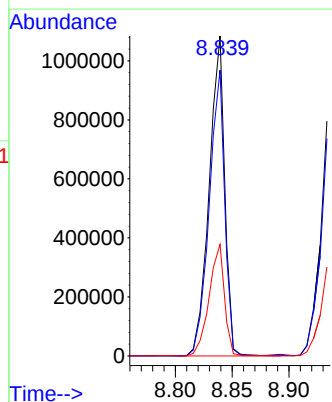
mohammad
12/18/2020 10:22:52 AM

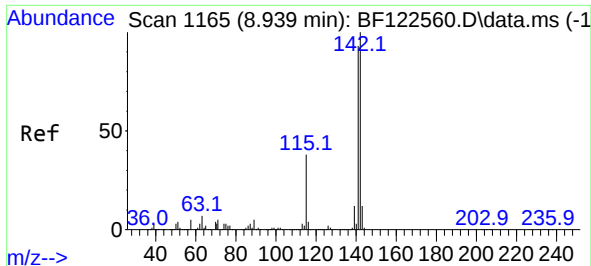


#37
2-Methylnaphthalene
Concen: 40.13 ng
RT: 8.839 min Scan# 1148
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



Tgt Ion:142 Resp: 1030732
Ion Ratio Lower Upper
142 100
141 89.3 70.6 106.0
115 34.9 28.7 43.1





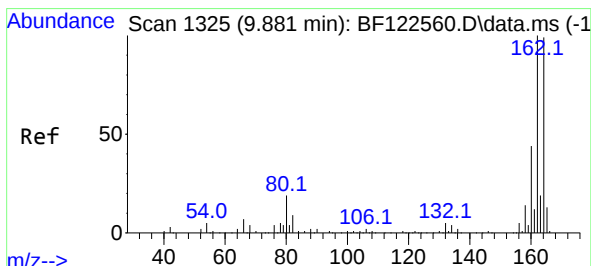
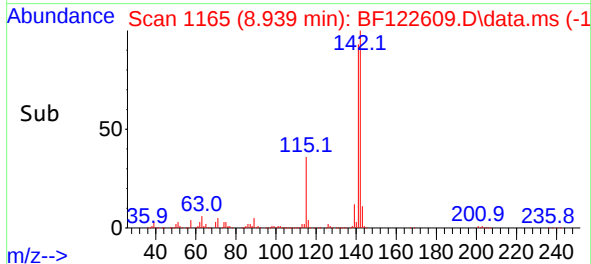
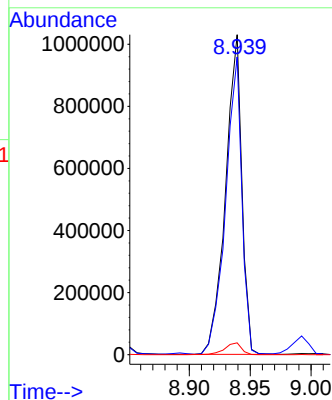
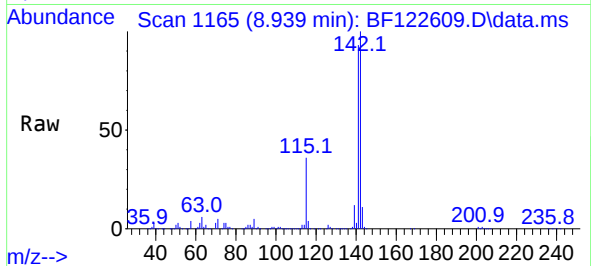
#38
1-Methylnaphthalene
Concen: 39.65 ng
RT: 8.939 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:142 Resp: 963607
Ion Ratio Lower Upper
142 100
141 93.0 74.5 111.7
116 3.7 3.2 4.8

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

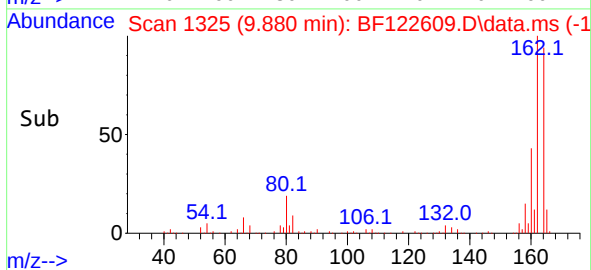
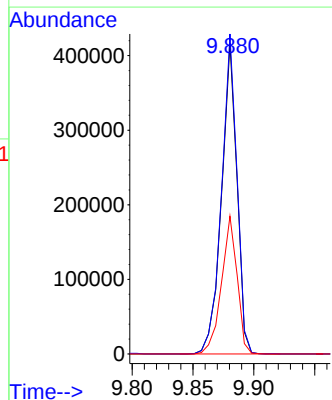
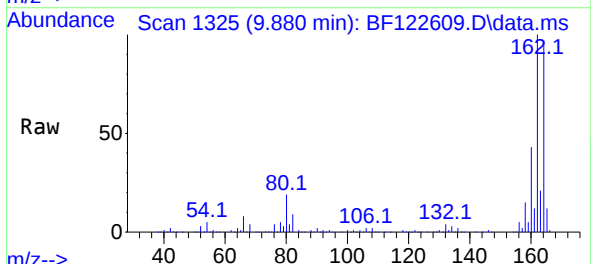
Manual Integrations
APPROVED

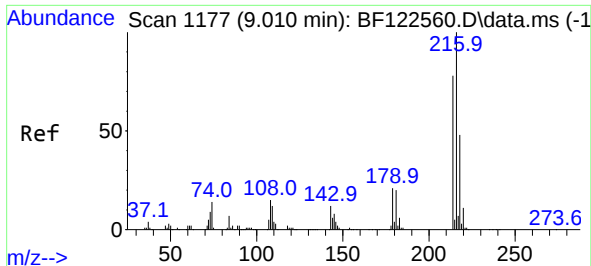
mohammad
12/18/2020 10:22:52 AM



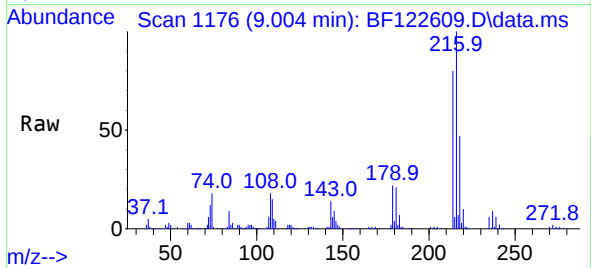
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.001 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:164 Resp: 367969
Ion Ratio Lower Upper
164 100
162 103.0 80.8 121.2
160 44.4 35.4 53.0

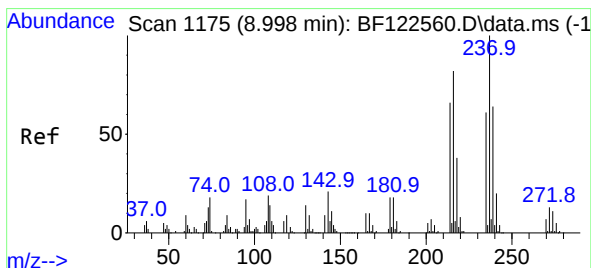
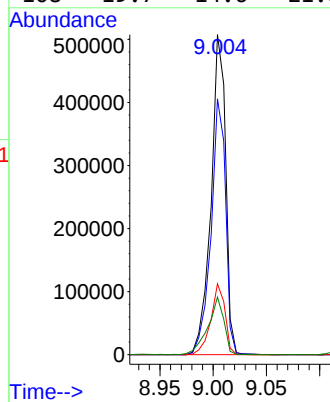
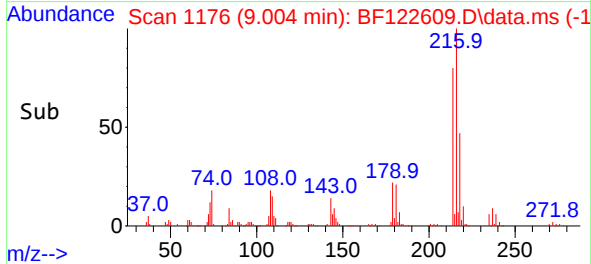




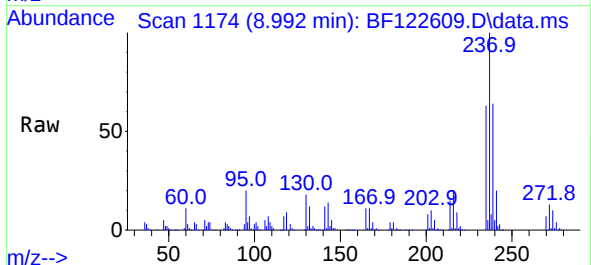
#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.83 ng
RT: 9.004 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



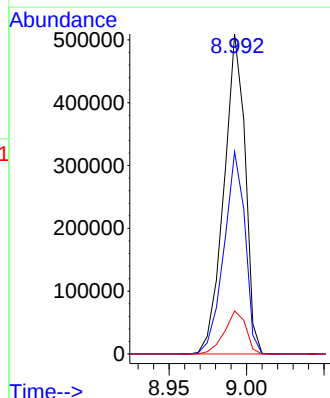
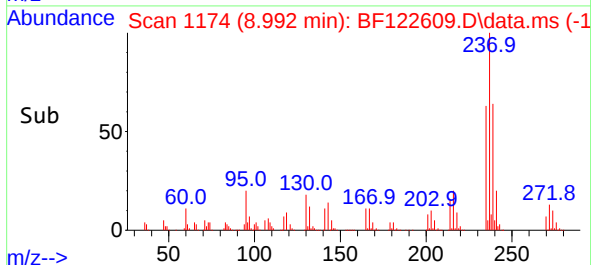
Tgt Ion:216 Resp: 485481
Ion Ratio Lower Upper
216 100
214 79.5 63.1 94.7
179 21.5 17.1 25.7
108 19.7 14.6 21.8



#41
Hexachlorocyclopentadiene
Concen: 90.09 ng
RT: 8.992 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



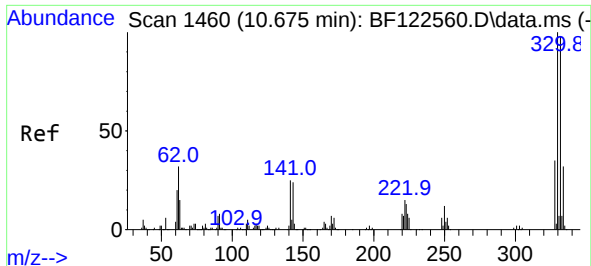
Tgt Ion:237 Resp: 485454
Ion Ratio Lower Upper
237 100
235 63.2 40.9 80.9
272 13.5 0.0 33.4



Instrument :
BNA_F
ClientSampled :
HSD-SOILMSD

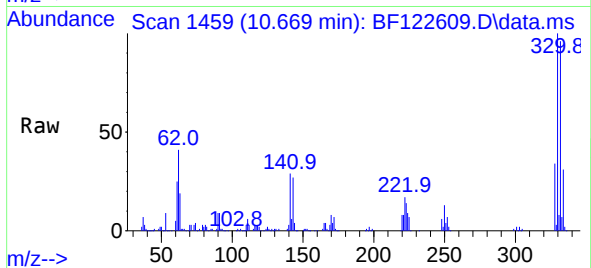
Manual Integrations
APPROVED

mohammad
12/18/2020 10:22:52 AM



#42
2,4,6-Tribromophenol
Concen: 58.69 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

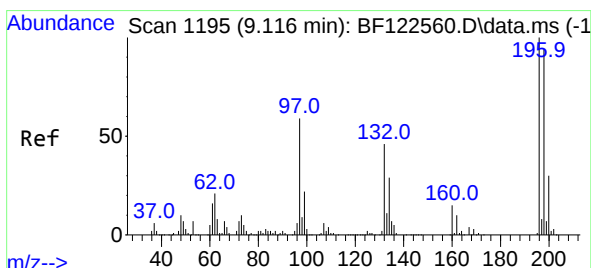
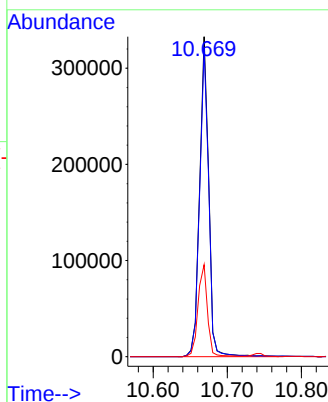
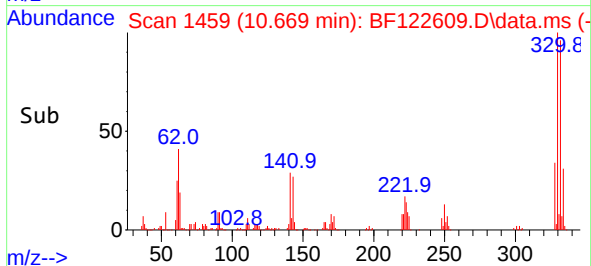
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD



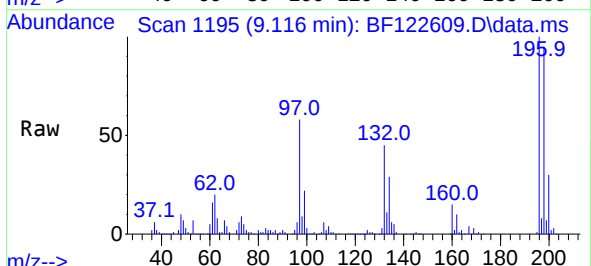
Tgt Ion:330 Resp: 282672
Ion Ratio Lower Upper
330 100
332 97.2 77.5 116.3
141 29.8 23.8 35.8

Manual Integrations
APPROVED

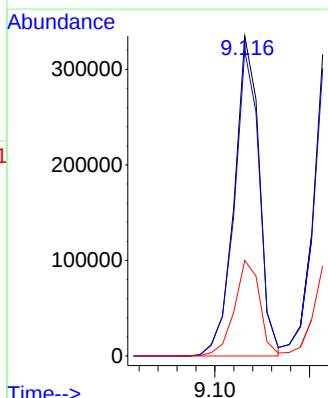
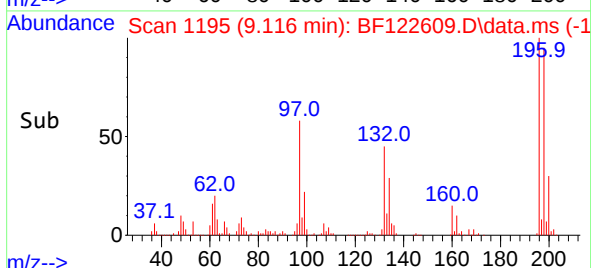
mohammad
12/18/2020 10:22:52 AM

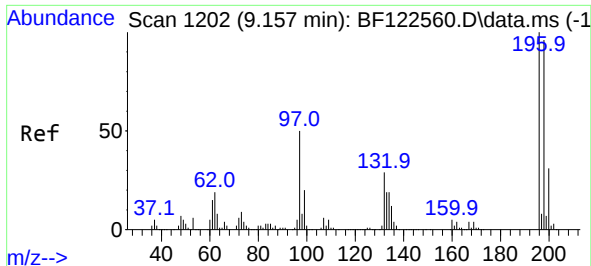


#43
2,4,6-Trichlorophenol
Concen: 36.32 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



Tgt Ion:196 Resp: 305741
Ion Ratio Lower Upper
196 100
198 95.4 75.1 112.7
200 29.9 23.7 35.5





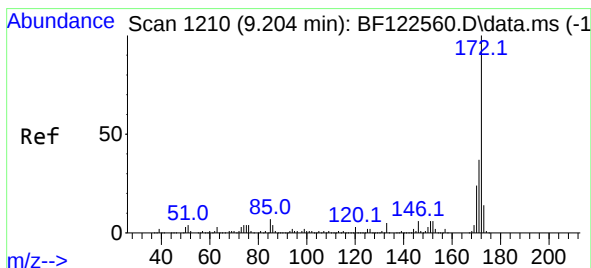
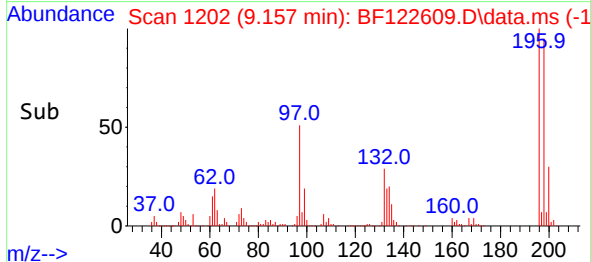
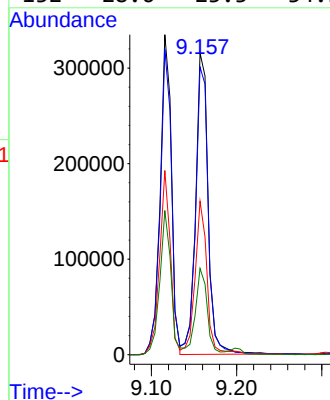
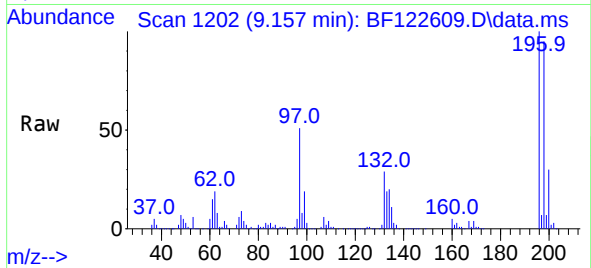
#44
2,4,5-Trichlorophenol
Concen: 37.11 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:196 Resp: 322882
Ion Ratio Lower Upper
196 100
198 95.4 76.5 114.7
97 50.9 40.1 60.1
132 28.6 23.3 34.9

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

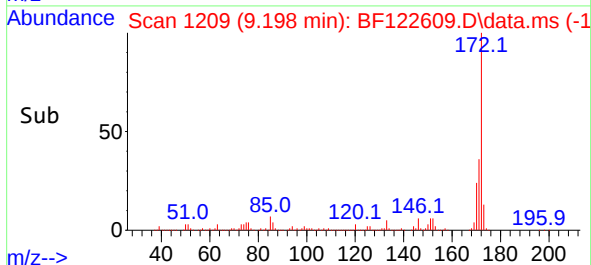
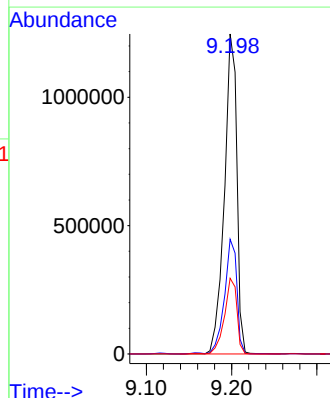
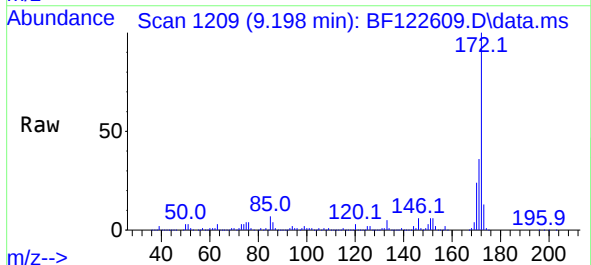
Manual Integrations
APPROVED

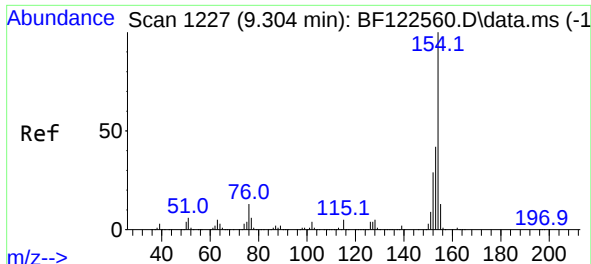
mohammad
12/18/2020 10:22:52 AM



#45
2-Fluorobiphenyl
Concen: 46.60 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

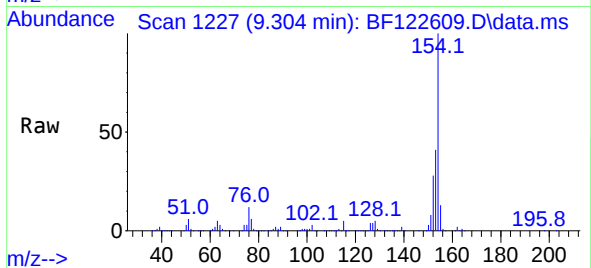
Tgt Ion:172 Resp: 1267887
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 23.7 19.5 29.3





#46
1,1'-Biphenyl
Concen: 40.30 ng
RT: 9.304 min Scan# 1227
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

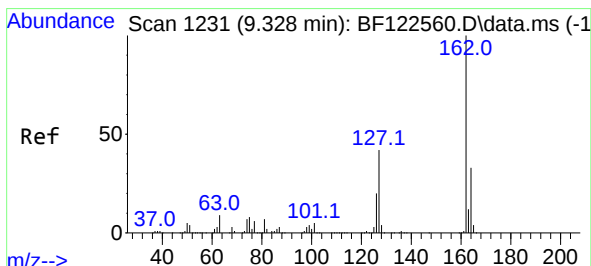
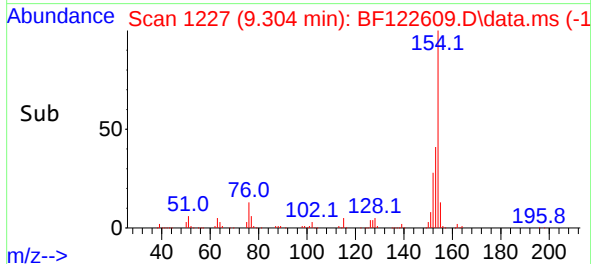
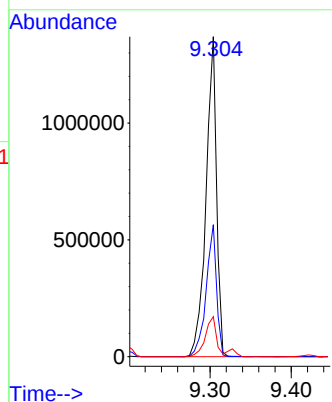
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD



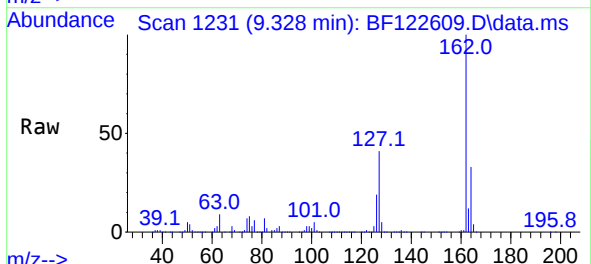
Tgt Ion:154 Resp: 1230841
Ion Ratio Lower Upper
154 100
153 41.2 21.8 61.8
76 12.5 0.0 33.4

Manual Integrations
APPROVED

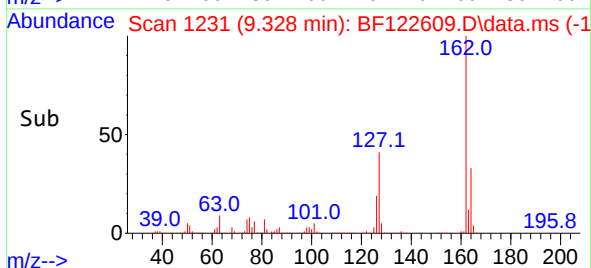
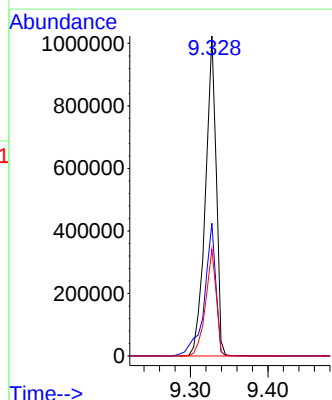
mohammad
12/18/2020 10:22:52 AM

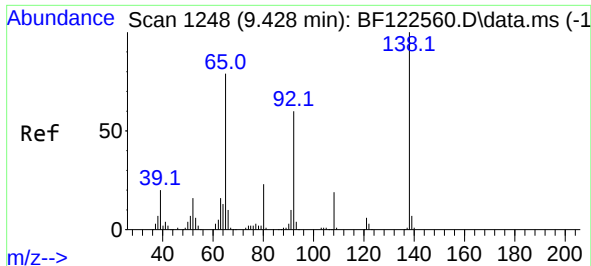


#47
2-Chloronaphthalene
Concen: 39.08 ng
RT: 9.328 min Scan# 1231
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



Tgt Ion:162 Resp: 988892
Ion Ratio Lower Upper
162 100
127 41.4 33.8 50.8
164 33.4 26.5 39.7





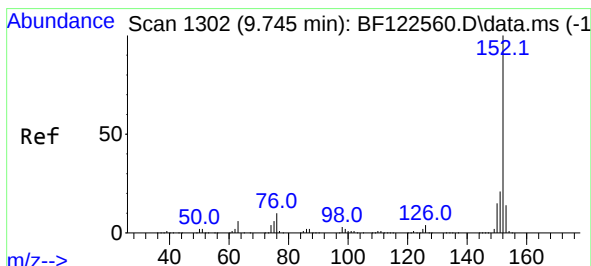
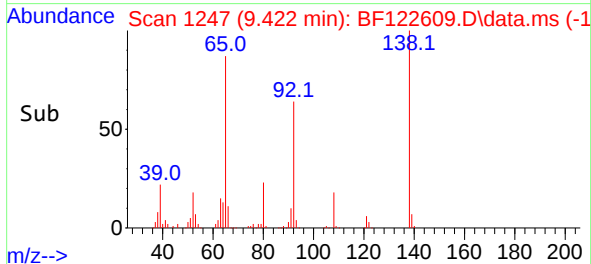
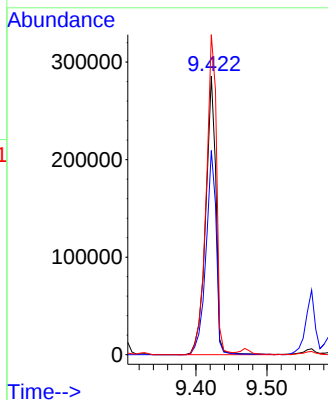
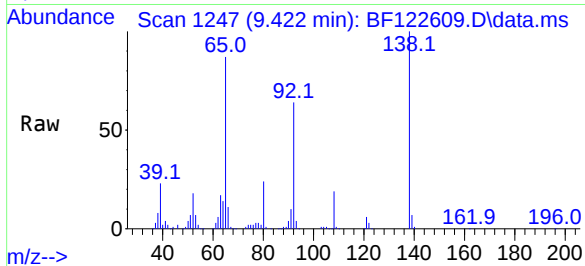
#48
2-Nitroaniline
Concen: 38.89 ng
RT: 9.422 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 65 Resp: 286875
Ion Ratio Lower Upper
65 100
92 73.3 60.0 90.0
138 114.9 100.6 151.0

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

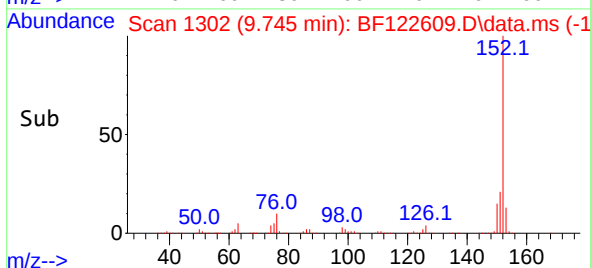
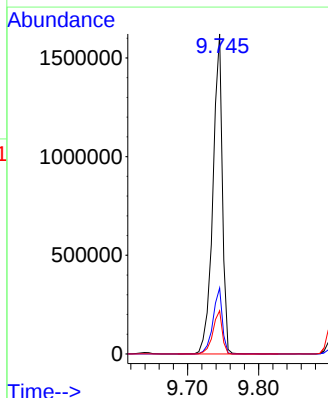
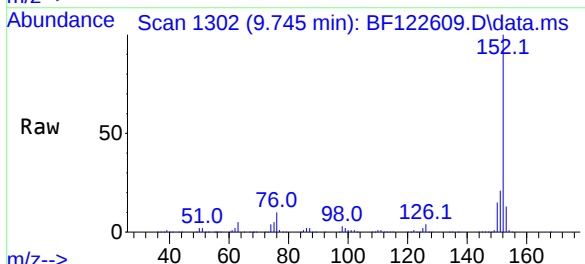
Manual Integrations
APPROVED

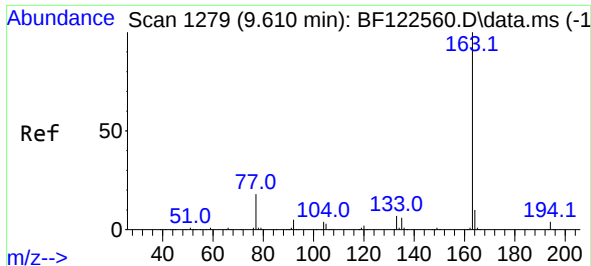
mohammad
12/18/2020 10:22:52 AM



#49
Acenaphthylene
Concen: 40.12 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

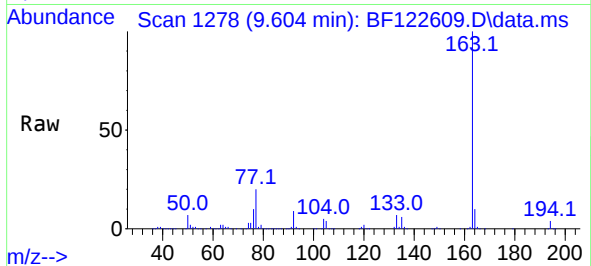
Tgt Ion:152 Resp: 1499481
Ion Ratio Lower Upper
152 100
151 20.6 16.6 25.0
153 13.5 10.9 16.3





#50
Dimethylphthalate
Concen: 41.87 ng
RT: 9.604 min Scan# 1278
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

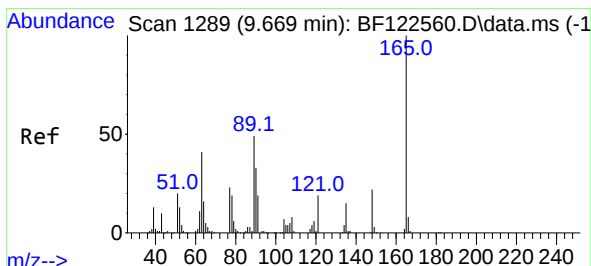
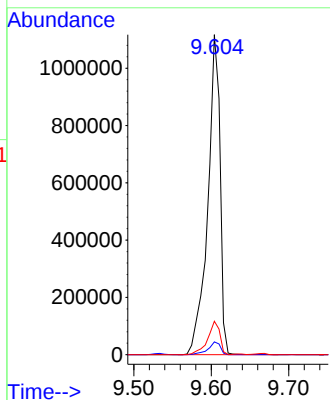
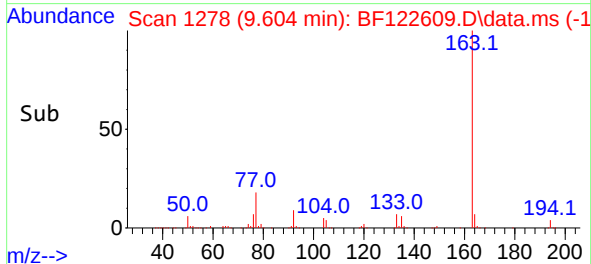
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD



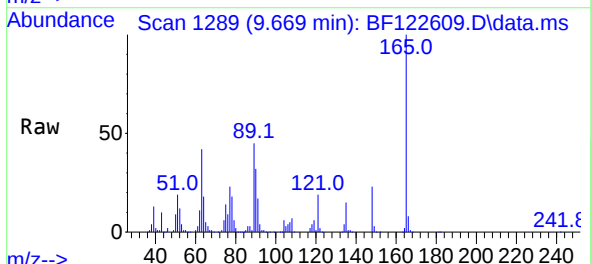
Tgt Ion:163 Resp: 1230444
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.5 8.1 12.1

Manual Integrations
APPROVED

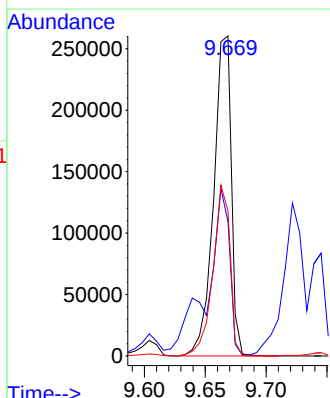
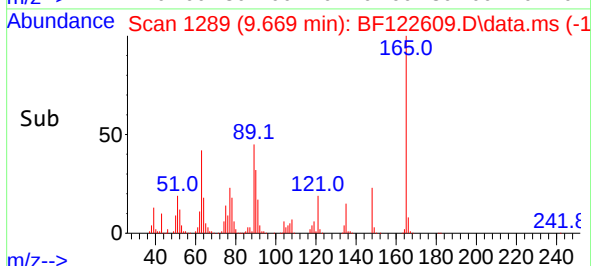
mohammad
12/18/2020 10:22:52 AM

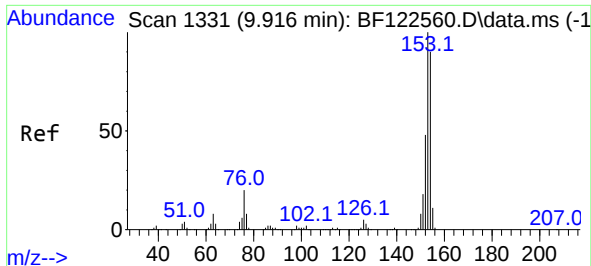


#51
2,6-Dinitrotoluene
Concen: 42.64 ng
RT: 9.669 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



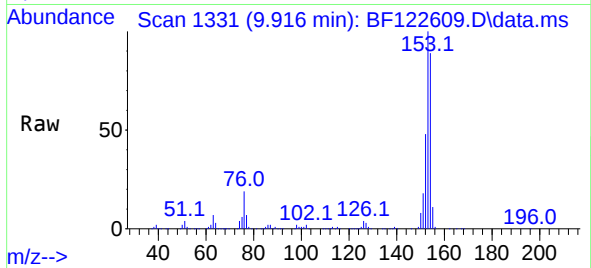
Tgt Ion:165 Resp: 264645
Ion Ratio Lower Upper
165 100
63 42.0 36.6 55.0
89 45.3 39.4 59.0





#52
Acenaphthene
Concen: 37.10 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

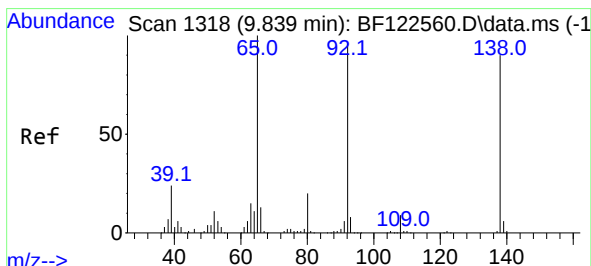
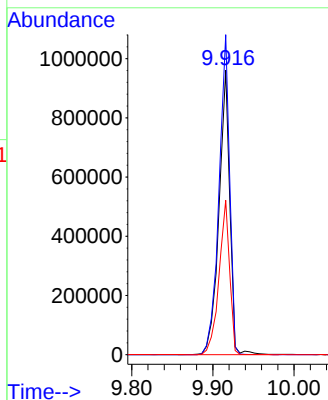
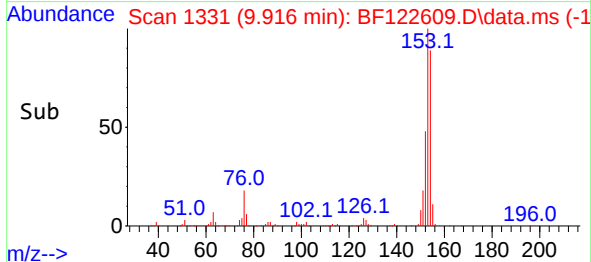
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD



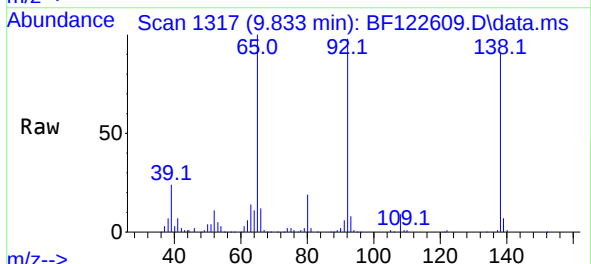
Tgt Ion:154 Resp: 897168
Ion Ratio Lower Upper
154 100
153 112.5 89.0 133.6
152 54.3 42.7 64.1

Manual Integrations
APPROVED

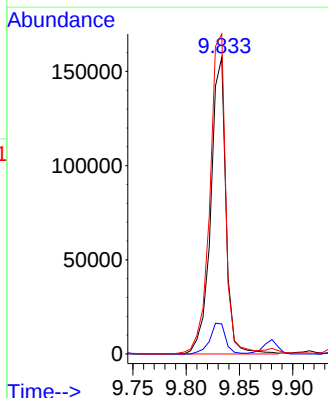
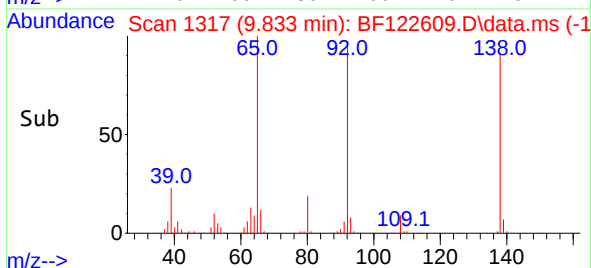
mohammad
12/18/2020 10:22:52 AM

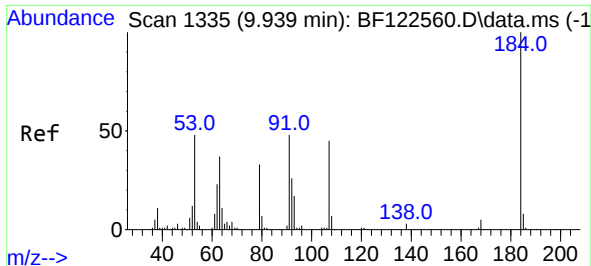


#53
3-Nitroaniline
Concen: 21.76 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



Tgt Ion:138 Resp: 156073
Ion Ratio Lower Upper
138 100
108 10.1 8.2 12.2
92 108.0 85.4 128.2





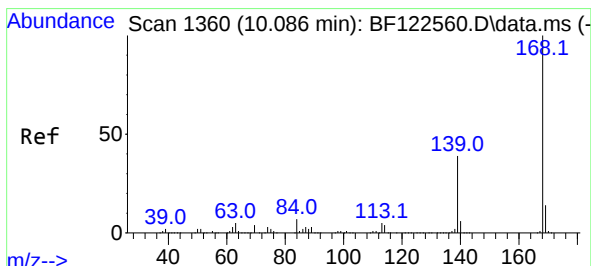
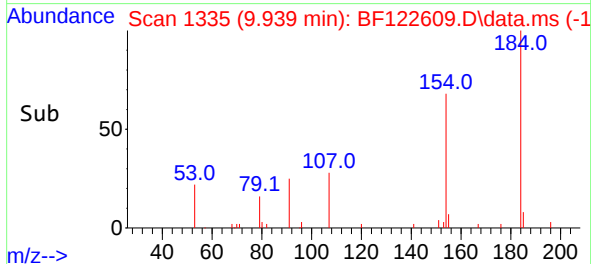
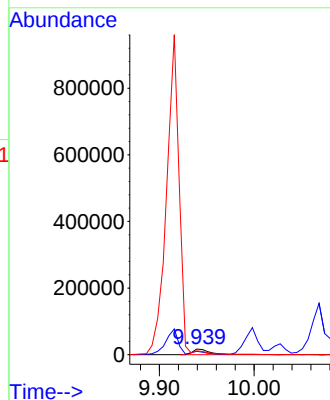
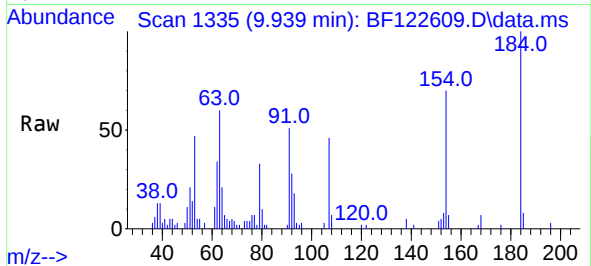
#54
2,4-Dinitrophenol
Concen: 7.38 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:184 Resp: 22389
Ion Ratio Lower Upper
184 100
63 59.8 51.4 77.2
154 70.3 49.7 74.5

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

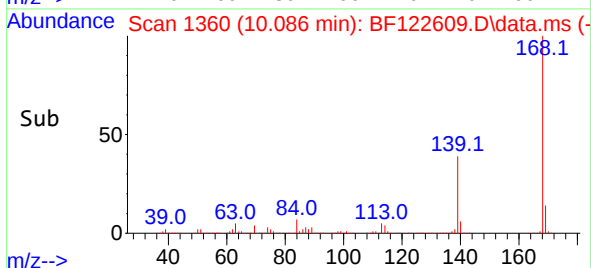
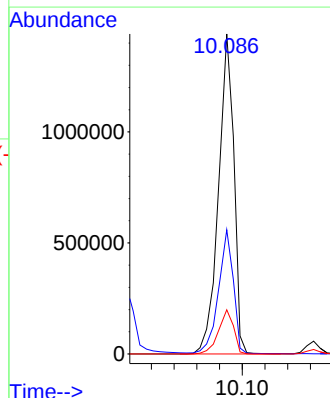
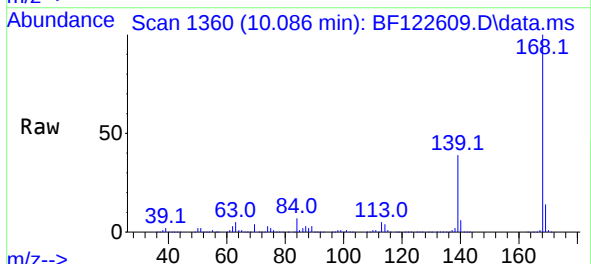
Manual Integrations
APPROVED

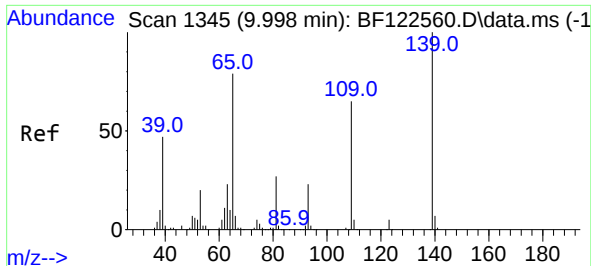
mohammad
12/18/2020 10:22:52 AM



#55
Dibenzofuran
Concen: 39.92 ng
RT: 10.086 min Scan# 1360
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:168 Resp: 1357691
Ion Ratio Lower Upper
168 100
139 38.8 31.3 46.9
169 13.8 11.2 16.8





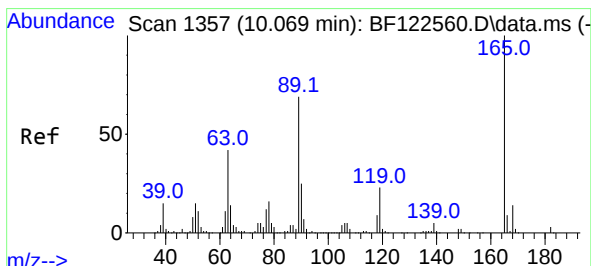
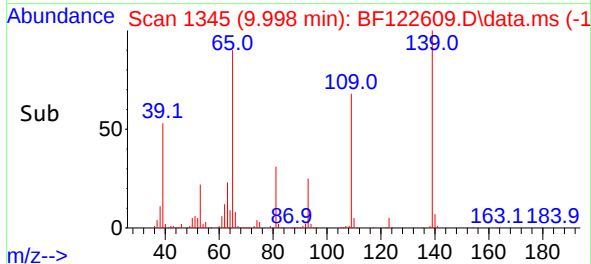
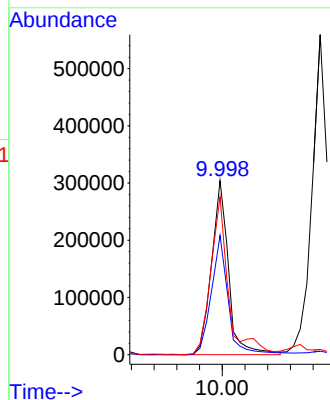
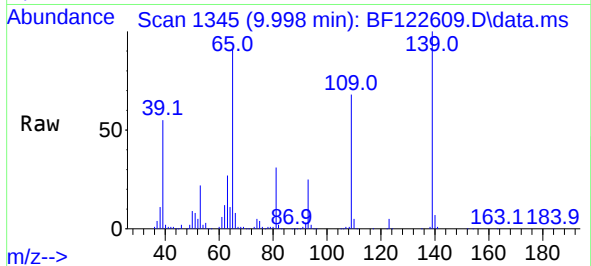
#56
4-Nitrophenol
Concen: 61.64 ng
RT: 9.998 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:	139	Resp:	315231
Ion	Ratio	Lower	Upper
139	100		
109	68.5	45.1	85.1
65	90.7	59.2	99.2

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

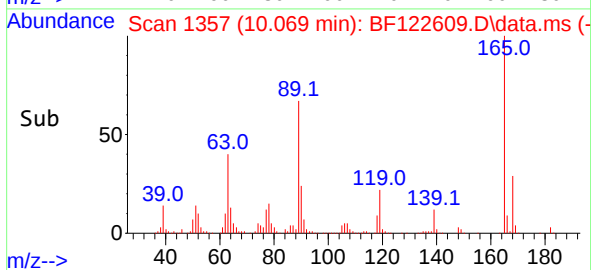
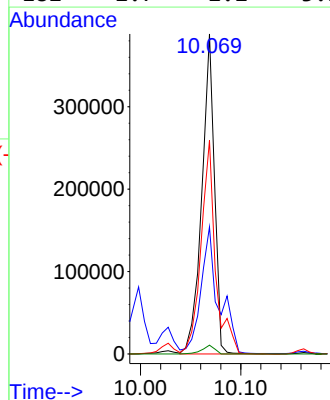
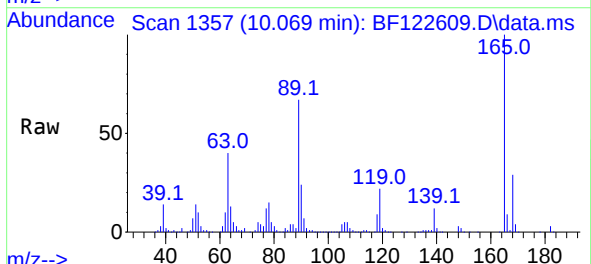
Manual Integrations
APPROVED

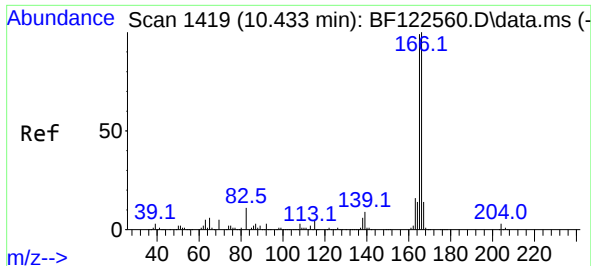
mohammad
12/18/2020 10:22:52 AM



#57
2,4-Dinitrotoluene
Concen: 41.32 ng
RT: 10.069 min Scan# 1357
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

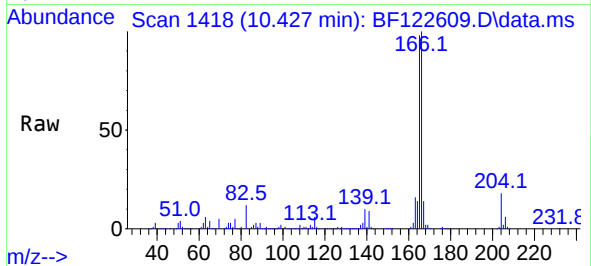
Tgt Ion:	165	Resp:	341624
Ion	Ratio	Lower	Upper
165	100		
63	39.7	34.3	51.5
89	66.8	55.2	82.8
182	2.7	2.2	3.2





#58
Fluorene
Concen: 38.20 ng
RT: 10.427 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

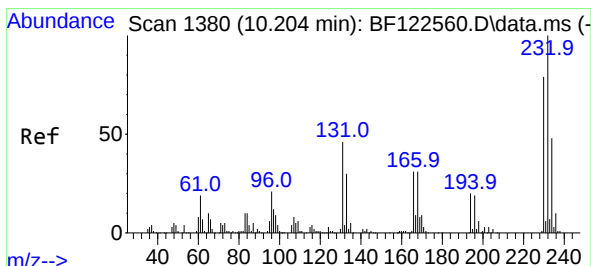
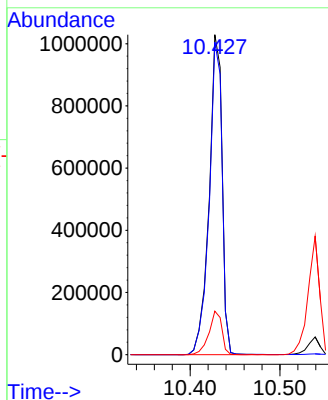
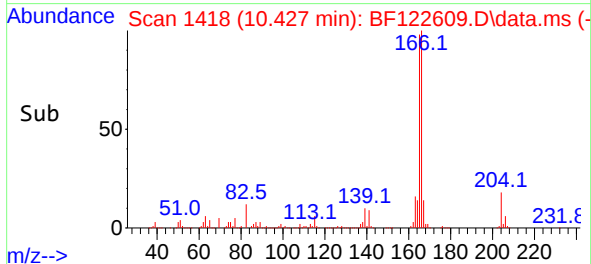
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD



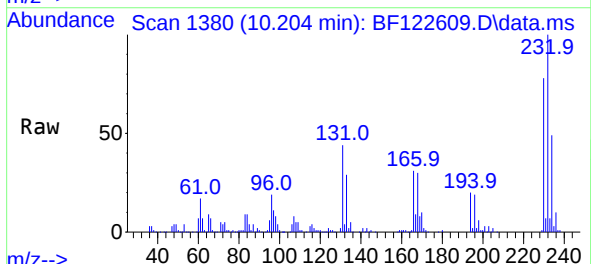
Tgt Ion:166 Resp: 1033360
Ion Ratio Lower Upper
166 100
165 97.6 79.4 119.0
167 13.6 10.9 16.3

Manual Integrations
APPROVED

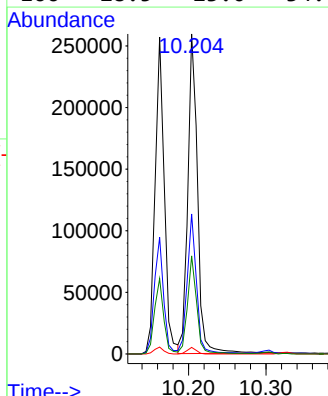
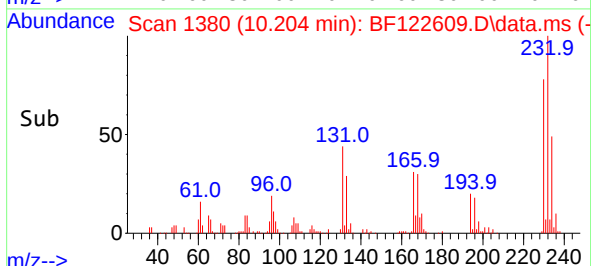
mohammad
12/18/2020 10:22:52 AM

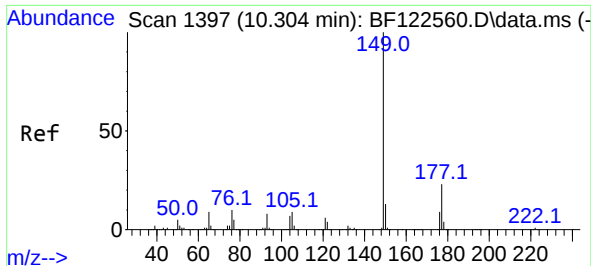


#59
2,3,4,6-Tetrachlorophenol
Concen: 29.49 ng
RT: 10.204 min Scan# 1380
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



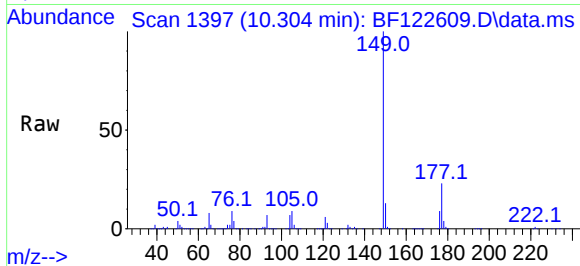
Tgt Ion:232 Resp: 225443
Ion Ratio Lower Upper
232 100
131 42.4 33.0 49.4
130 1.9 1.7 2.5
166 28.5 23.0 34.4





#60
Diethylphthalate
Concen: 38.64 ng
RT: 10.304 min Scan# 1397
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

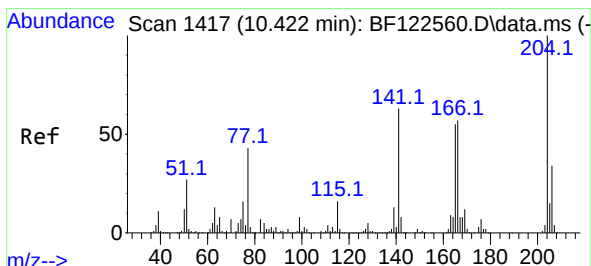
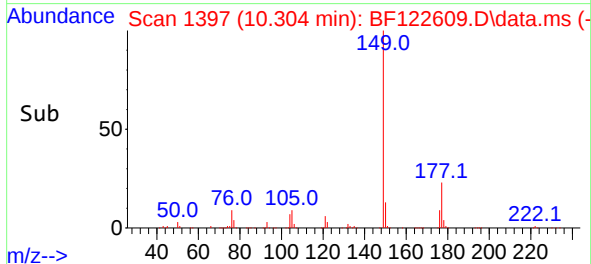
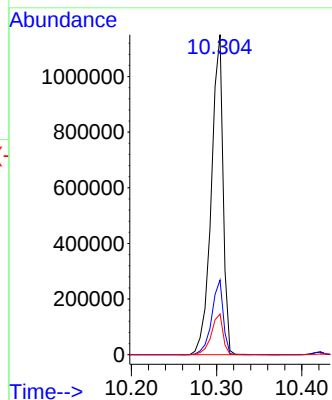
Instrument :
BNA_F
ClientSampled :
HSD-SOILMSD



Tgt Ion:149 Resp: 1104467
Ion Ratio Lower Upper
149 100
177 23.4 18.2 27.4
150 12.7 10.1 15.1

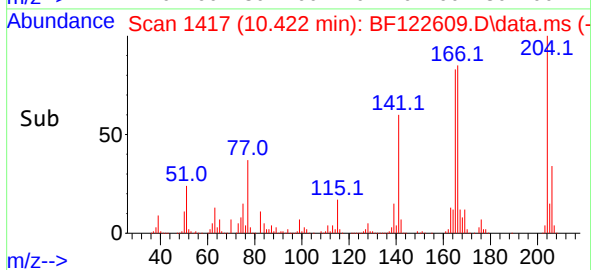
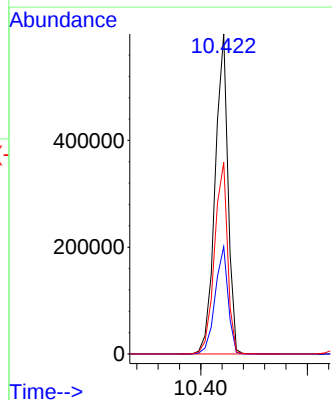
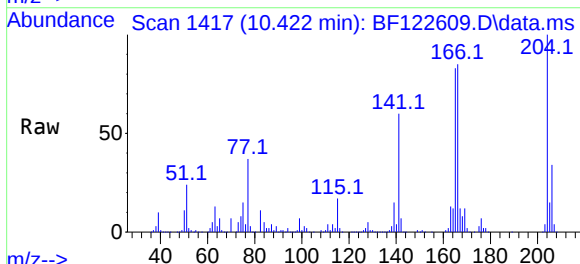
Manual Integrations
APPROVED

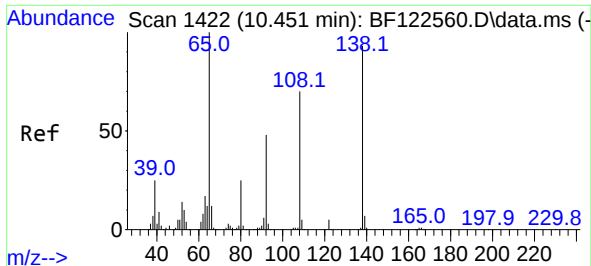
mohammad
12/18/2020 10:22:52 AM



#61
4-Chlorophenyl-phenylether
Concen: 37.72 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:204 Resp: 502454
Ion Ratio Lower Upper
204 100
206 33.5 27.0 40.4
141 59.9 50.4 75.6





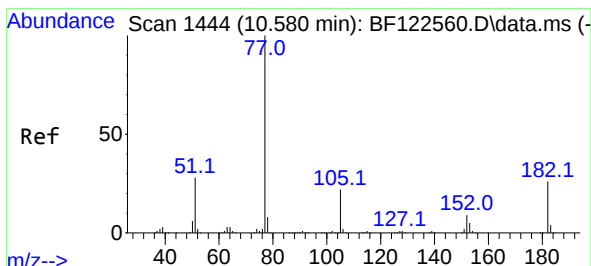
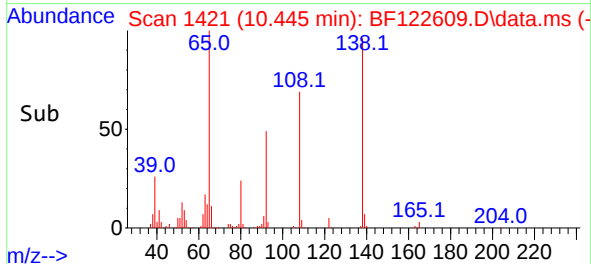
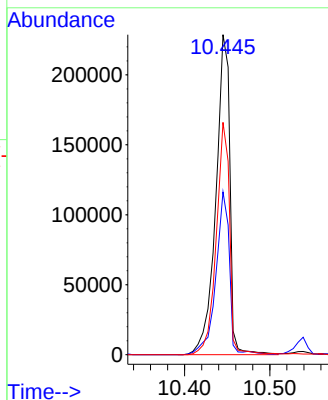
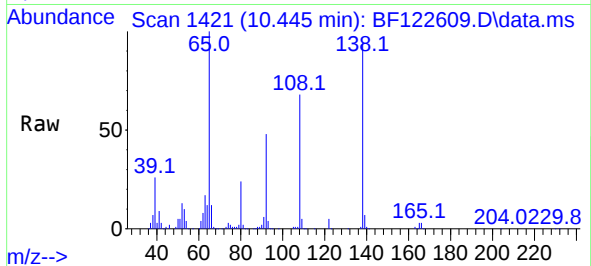
#62
4-Nitroaniline
Concen: 36.02 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:138 Resp: 262244
Ion Ratio Lower Upper
138 100
92 50.8 31.0 71.0
108 72.6 54.8 94.8

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

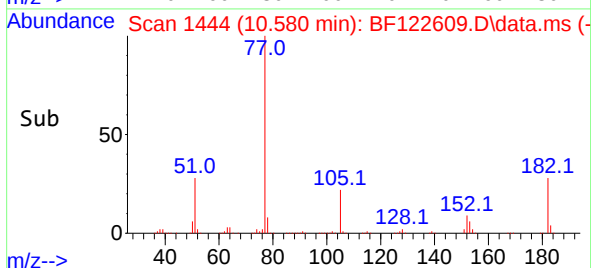
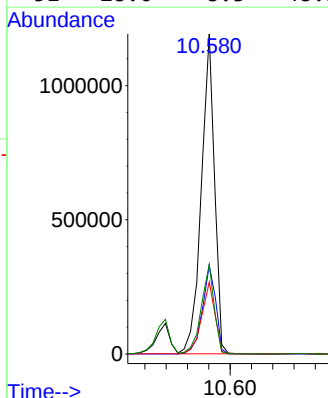
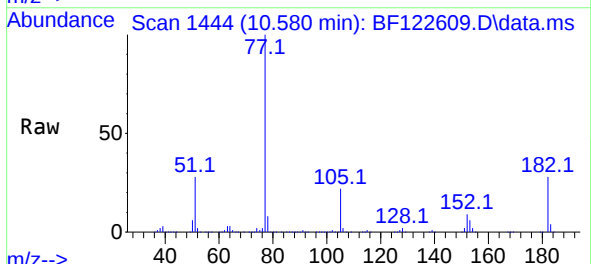
Manual Integrations
APPROVED

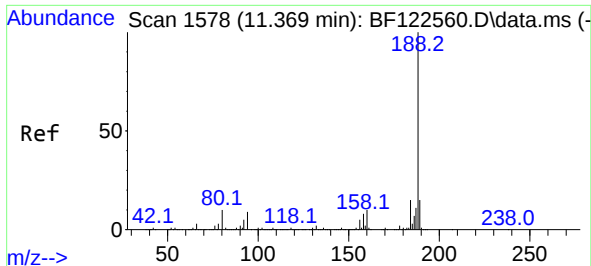
mohammad
12/18/2020 10:22:52 AM



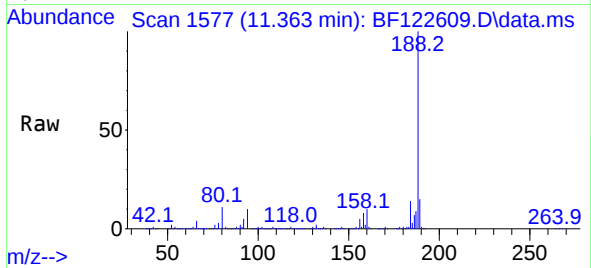
#63
Azobenzene
Concen: 39.15 ng
RT: 10.580 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 77 Resp: 1028708
Ion Ratio Lower Upper
77 100
182 27.7 5.6 45.6
105 22.4 1.8 41.8
51 28.0 8.3 48.3

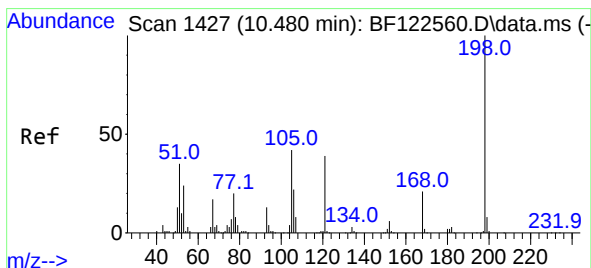
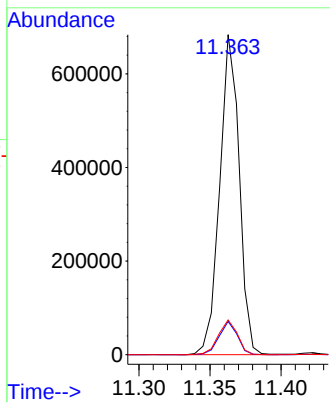
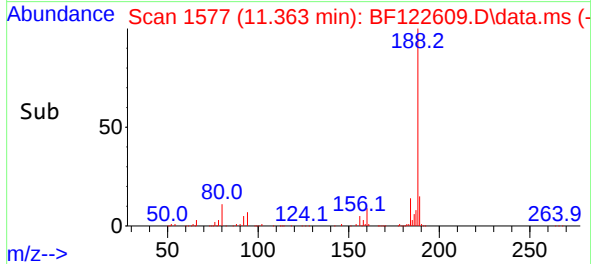




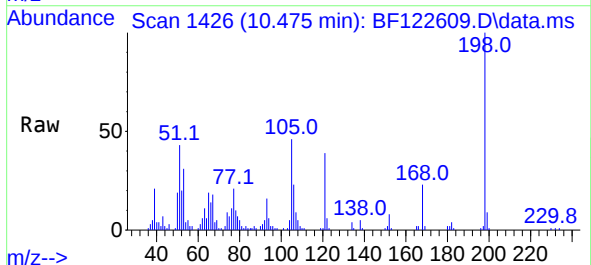
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



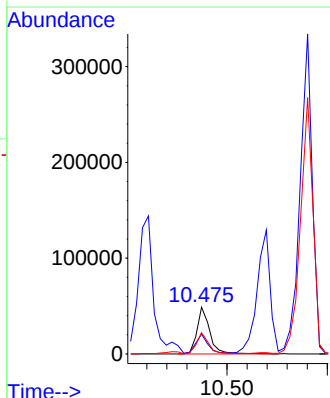
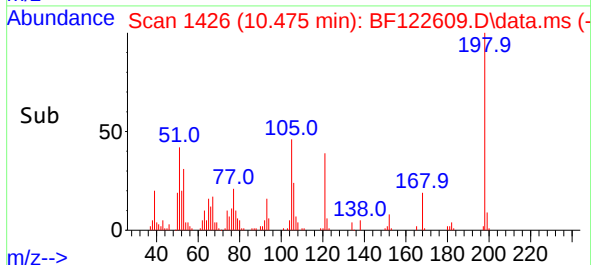
Tgt Ion:188 Resp: 652160
Ion Ratio Lower Upper
188 100
94 10.4 7.4 11.2
80 10.9 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 10.78 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.005 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



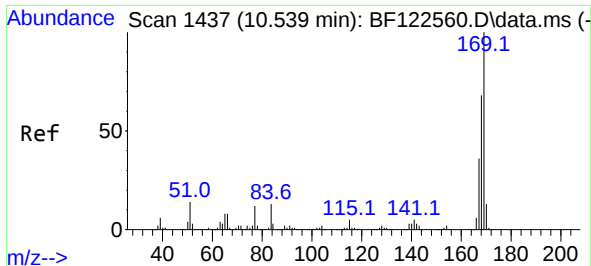
Tgt Ion:198 Resp: 42882
Ion Ratio Lower Upper
198 100
51 42.6 20.3 60.3
105 45.7 23.0 63.0



Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

Manual Integrations
APPROVED

mohammad
12/18/2020 10:22:52 AM



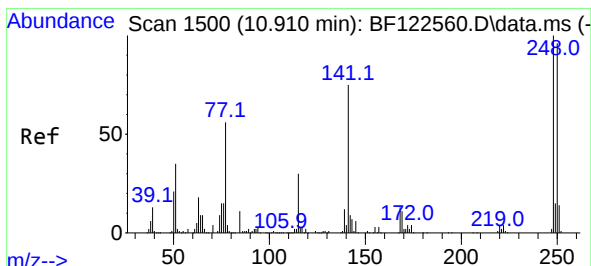
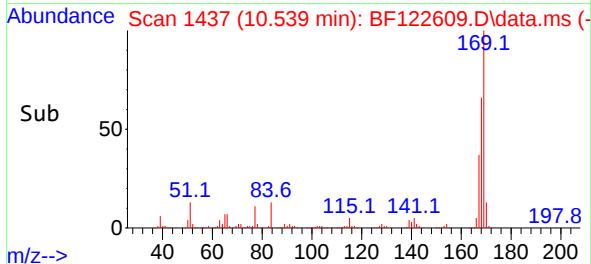
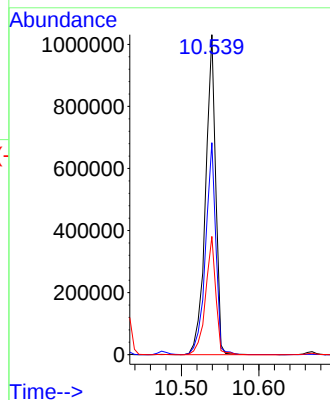
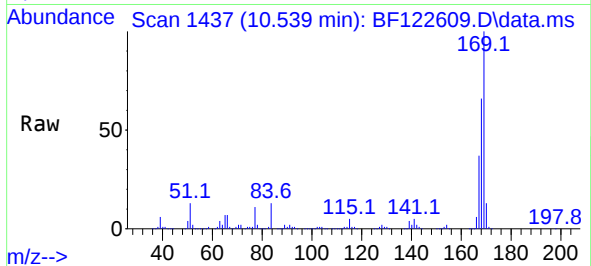
#66
n-Nitrosodiphenylamine
Concen: 40.62 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:169 Resp: 936096
Ion Ratio Lower Upper
169 100
168 66.2 54.2 81.2
167 37.0 29.2 43.8

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

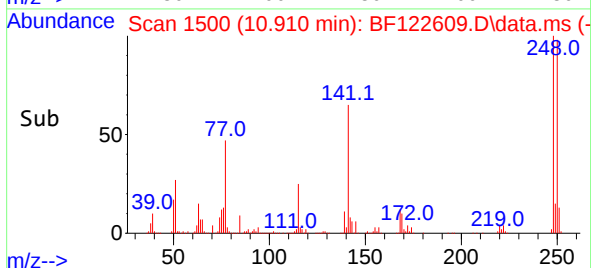
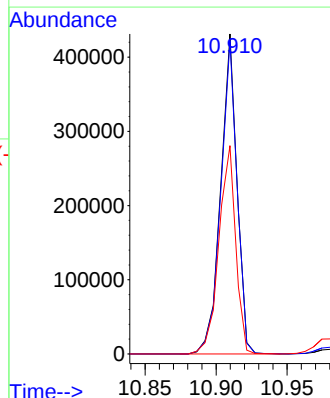
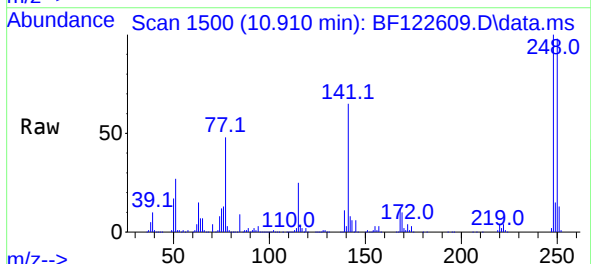
Manual Integrations
APPROVED

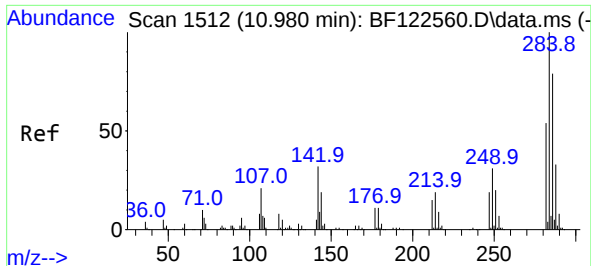
mohammad
12/18/2020 10:22:52 AM



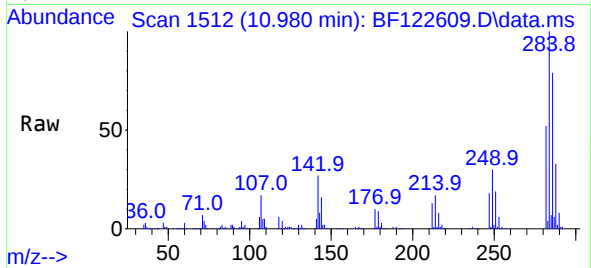
#67
4-Bromophenyl-phenylether
Concen: 38.86 ng
RT: 10.910 min Scan# 1500
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:248 Resp: 343427
Ion Ratio Lower Upper
248 100
250 97.8 76.8 115.2
141 65.1 59.8 89.8

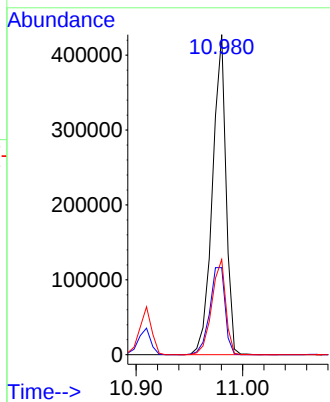
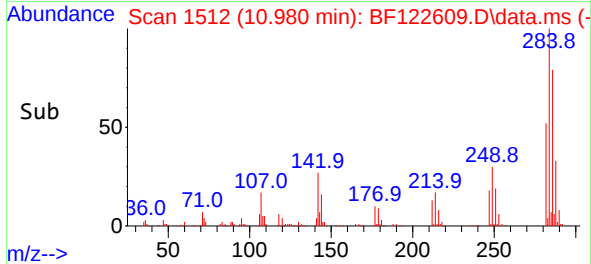




#68
Hexachlorobenzene
Concen: 38.47 ng
RT: 10.980 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



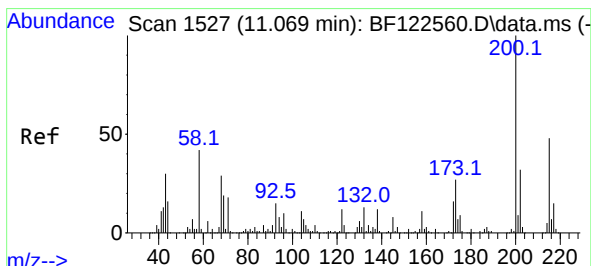
Tgt Ion:284 Resp: 375846
Ion Ratio Lower Upper
284 100
142 27.2 25.6 38.4
249 29.8 25.1 37.7



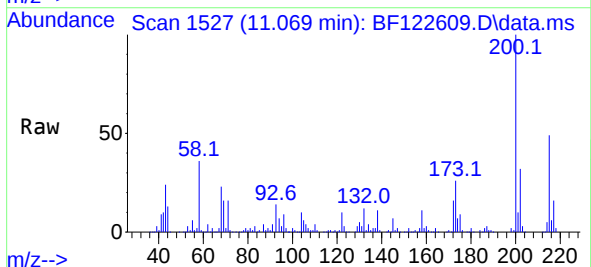
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

Manual Integrations
APPROVED

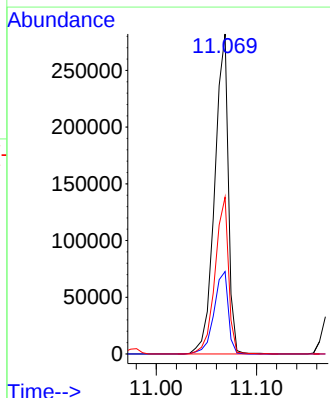
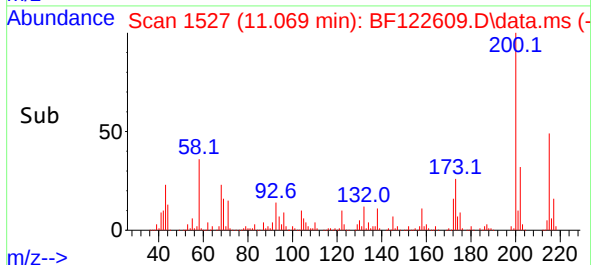
mohammad
12/18/2020 10:22:52 AM

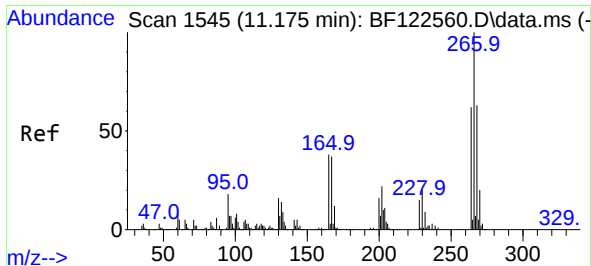


#69
Atrazine
Concen: 35.45 ng
RT: 11.069 min Scan# 1527
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

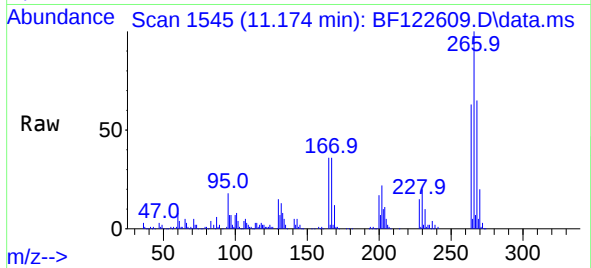


Tgt Ion:200 Resp: 265258
Ion Ratio Lower Upper
200 100
173 25.7 6.6 46.6
215 49.0 28.1 68.1

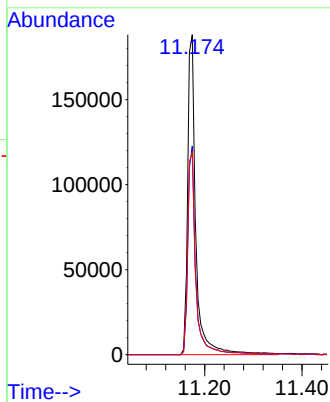
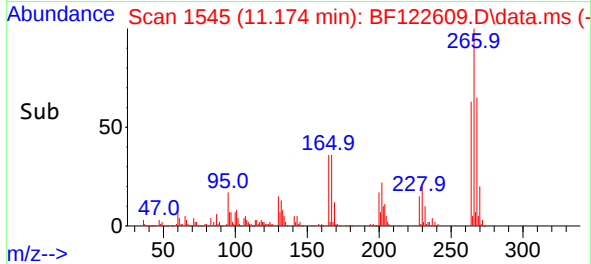




#70
Pentachlorophenol
Concen: 42.39 ng
RT: 11.174 min Scan# 1545
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



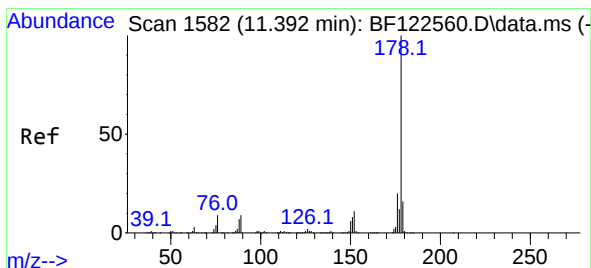
Tgt Ion:266 Resp: 219434
Ion Ratio Lower Upper
266 100
268 65.2 50.5 75.7
264 63.2 49.8 74.8



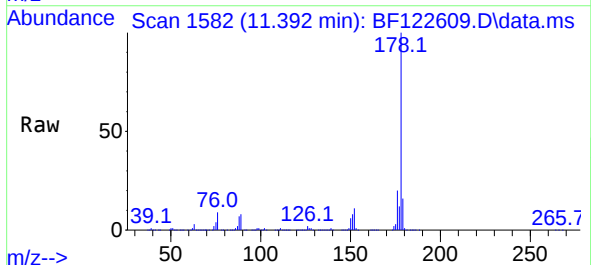
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

Manual Integrations
APPROVED

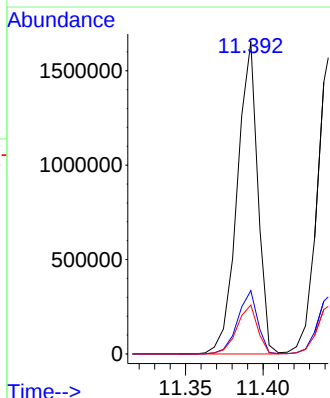
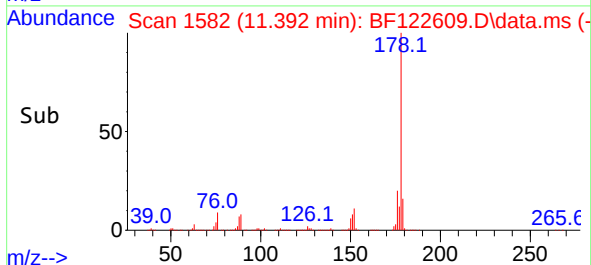
mohammad
12/18/2020 10:22:52 AM

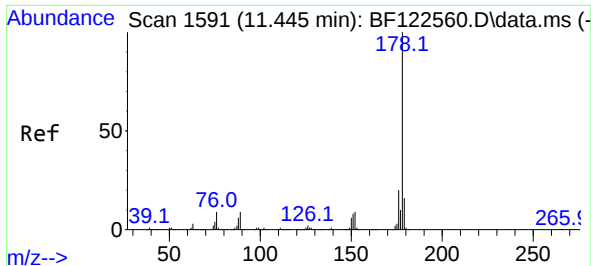


#71
Phenanthrene
Concen: 39.24 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



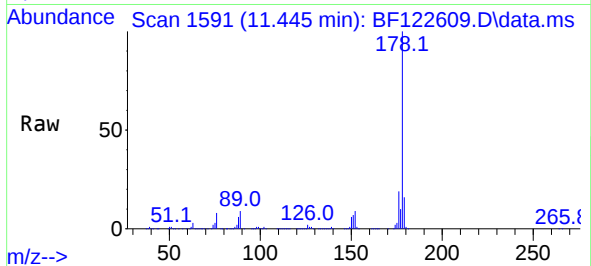
Tgt Ion:178 Resp: 1520827
Ion Ratio Lower Upper
178 100
176 20.3 16.2 24.2
179 15.7 12.7 19.1





#72
 Anthracene
 Concen: 40.77 ng
 RT: 11.445 min Scan# 1591
 Delta R.T. -0.000 min
 Lab File: BF122609.D
 Acq: 9 Dec 2020 13:02

Instrument :
 BNA_F
 ClientSampleId :
 HSD-SOILMSD

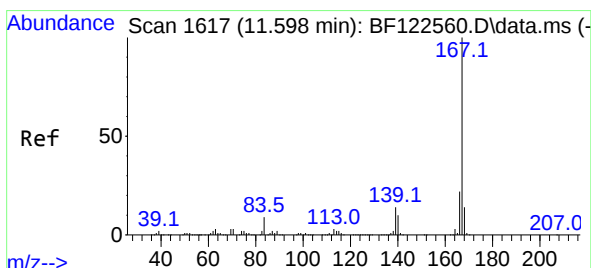
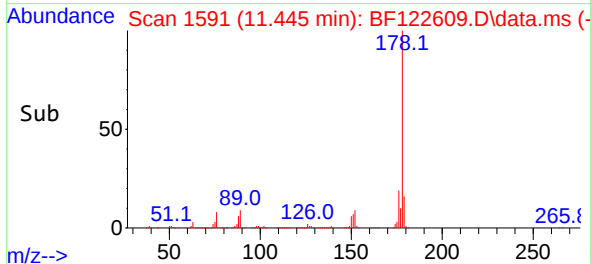
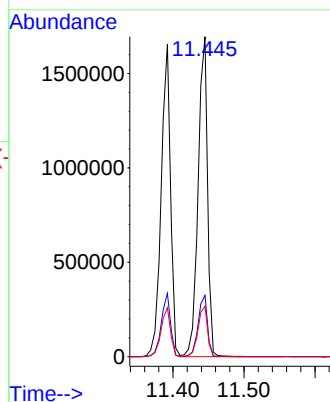


Tgt Ion:178 Resp: 1567065

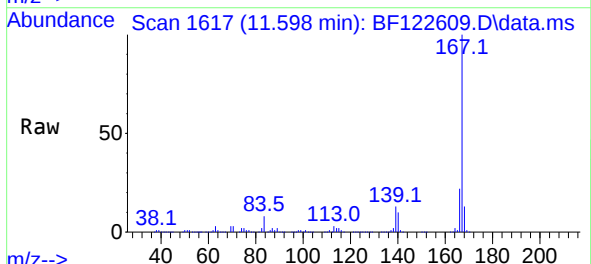
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	15.8	12.8	19.2

Manual Integrations
 APPROVED

mohammad
 12/18/2020 10:22:52 AM

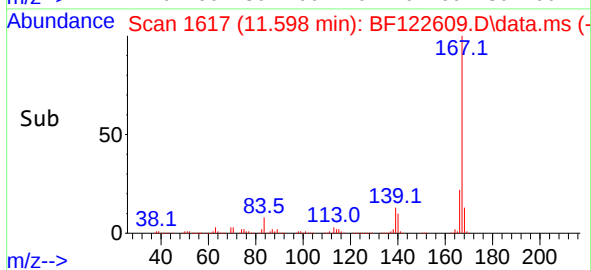
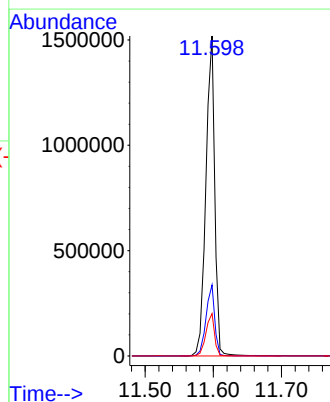


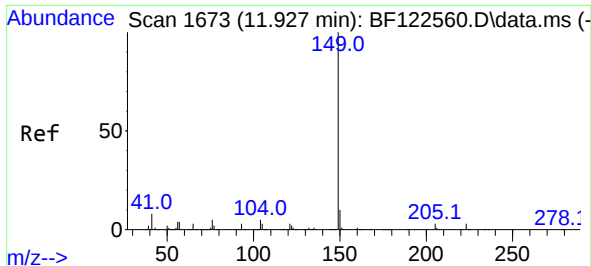
#73
 Carbazole
 Concen: 39.53 ng
 RT: 11.598 min Scan# 1617
 Delta R.T. -0.000 min
 Lab File: BF122609.D
 Acq: 9 Dec 2020 13:02



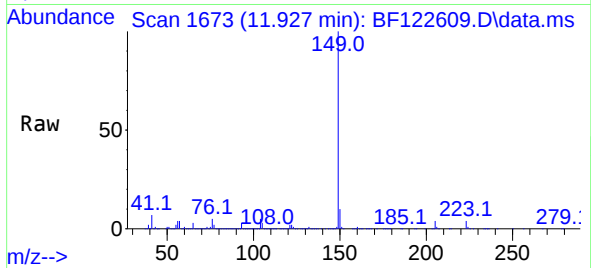
Tgt Ion:167 Resp: 1377663

Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.0	27.0
139	13.2	10.9	16.3

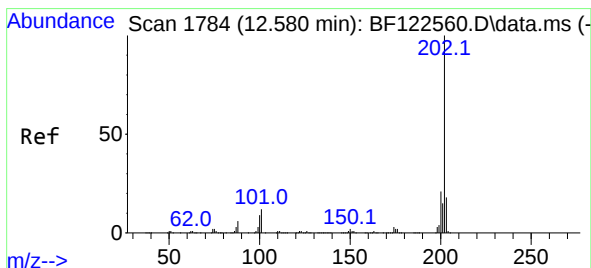
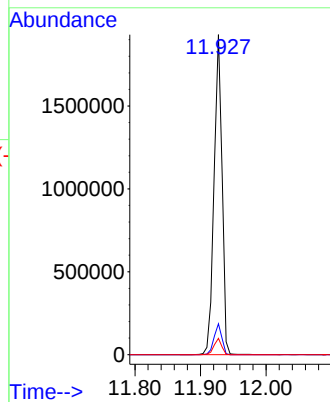
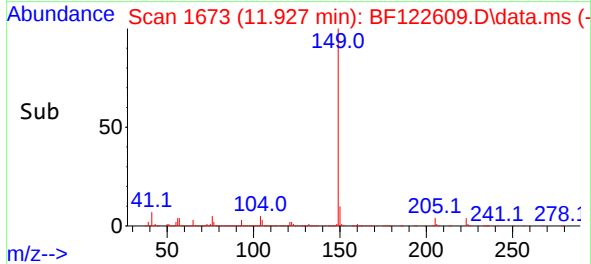




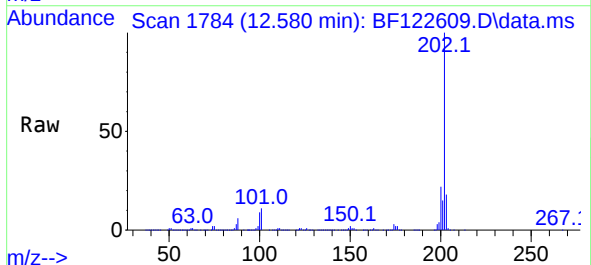
#74
Di-n-butylphthalate
Concen: 37.45 ng
RT: 11.927 min Scan# 1673
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



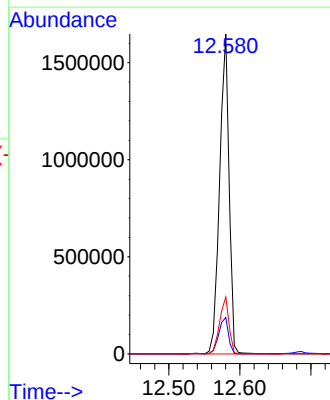
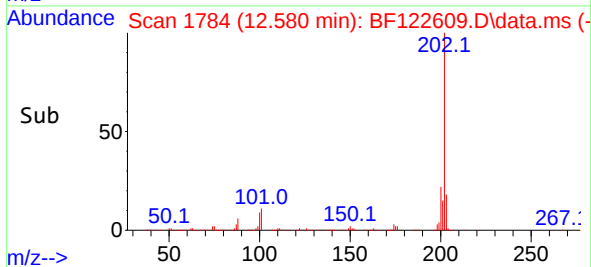
Tgt Ion:149 Resp: 1640365
Ion Ratio Lower Upper
149 100
150 9.6 7.8 11.6
104 5.1 4.2 6.4



#75
Fluoranthene
Concen: 37.38 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



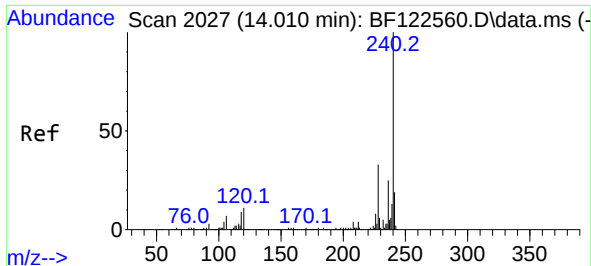
Tgt Ion:202 Resp: 1519320
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.2
203 17.8 0.0 38.1



Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

Manual Integrations
APPROVED

mohammad
12/18/2020 10:22:52 AM



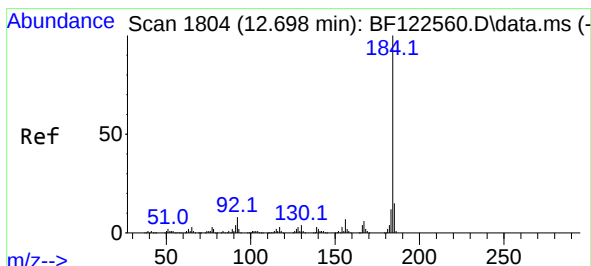
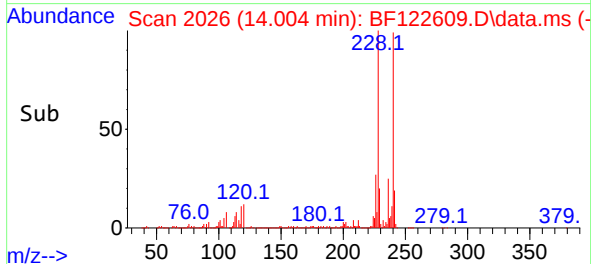
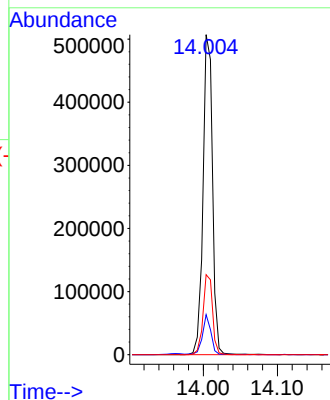
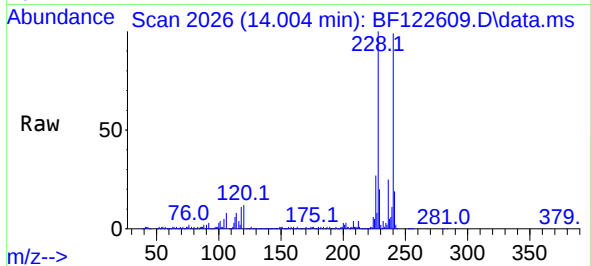
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:240 Resp: 450006
Ion Ratio Lower Upper
240 100
120 12.5 8.6 12.8
236 25.0 20.3 30.5

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

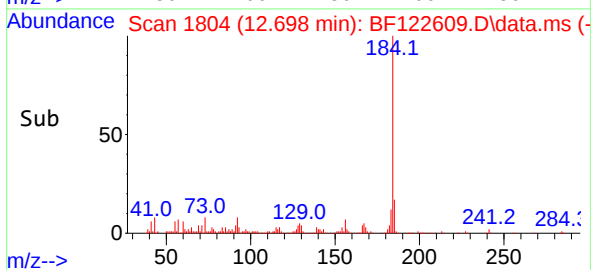
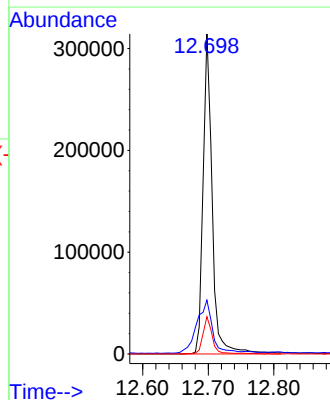
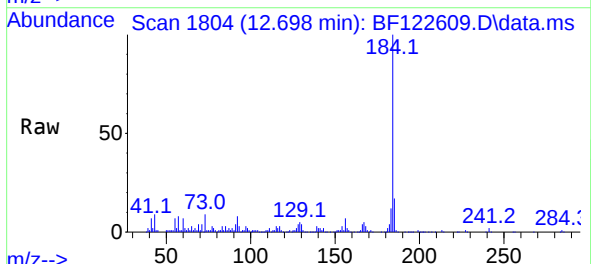
Manual Integrations
APPROVED

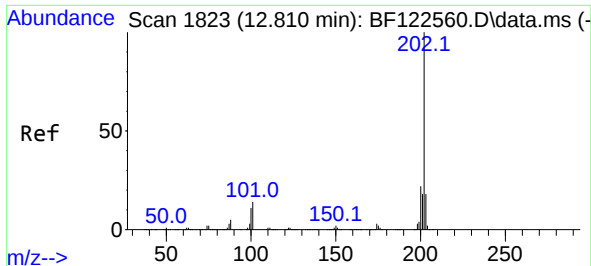
mohammad
12/18/2020 10:22:52 AM



#77
Benzidine
Concen: 31.42 ng
RT: 12.698 min Scan# 1804
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:184 Resp: 305846
Ion Ratio Lower Upper
184 100
185 16.8 11.8 17.6
183 11.7 9.7 14.5





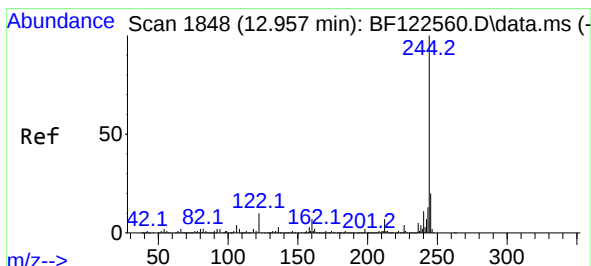
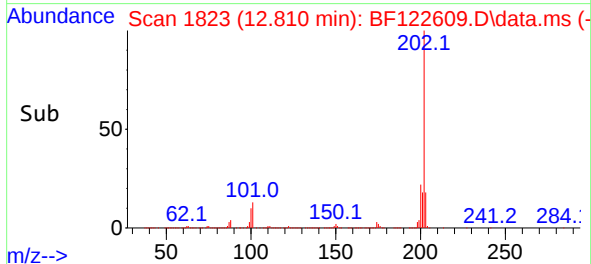
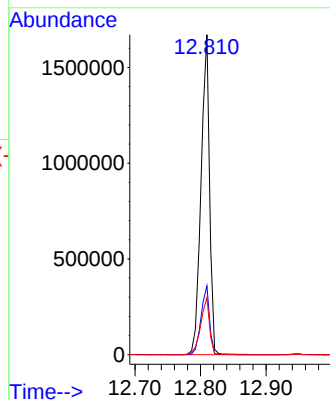
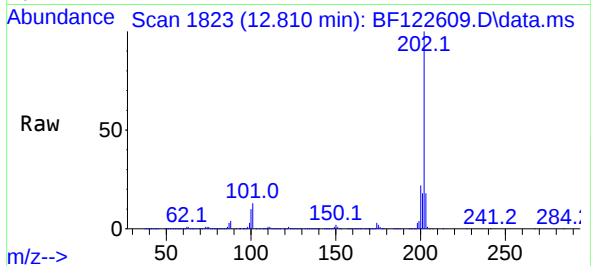
#78
Pyrene
Concen: 43.36 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:202 Resp: 1508580
Ion Ratio Lower Upper
202 100
200 21.5 17.6 26.4
203 17.8 14.6 21.8

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

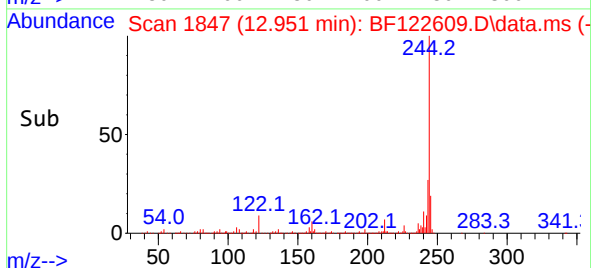
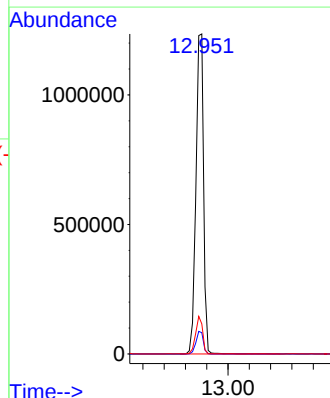
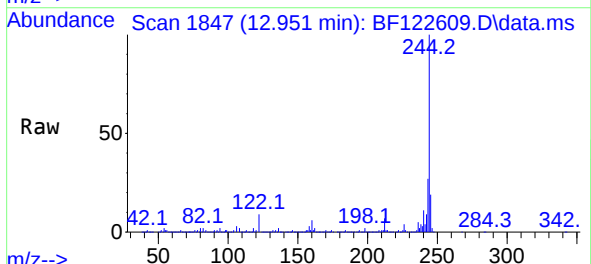
Manual Integrations
APPROVED

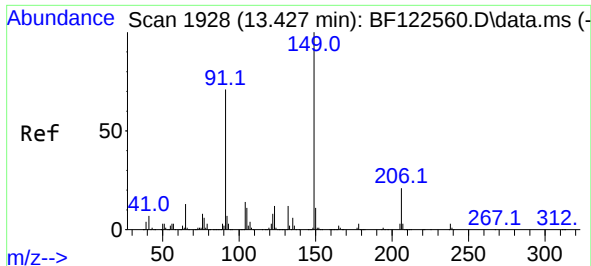
mohammad
12/18/2020 10:22:52 AM



#79
Terphenyl-d14
Concen: 47.66 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

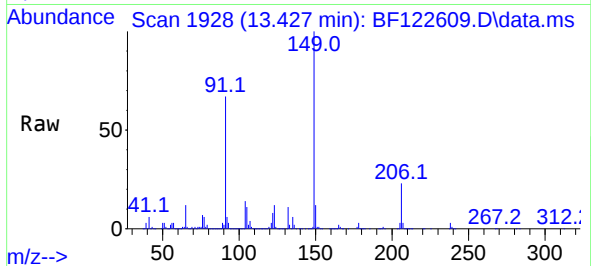
Tgt Ion:244 Resp: 1225297
Ion Ratio Lower Upper
244 100
212 6.7 5.7 8.5
122 9.4 8.3 12.5





#80
Butylbenzylphthalate
Concen: 40.50 ng
RT: 13.427 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

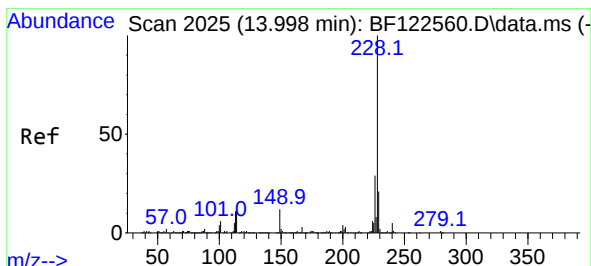
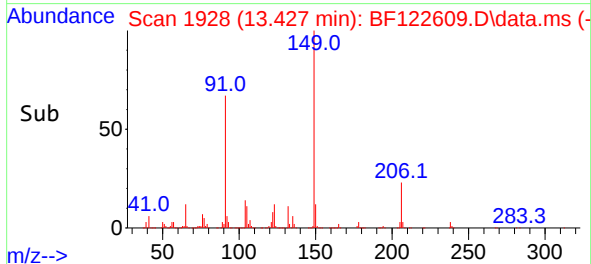
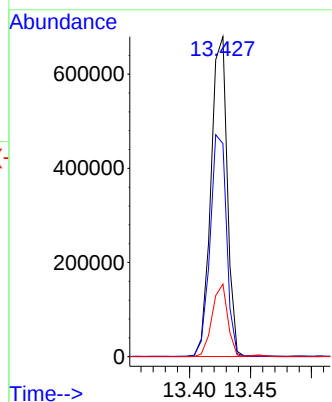
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD



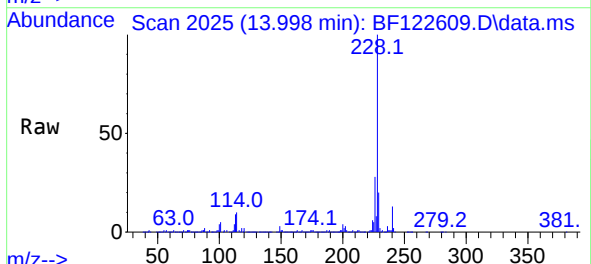
Tgt Ion:149 Resp: 634632
Ion Ratio Lower Upper
149 100
91 66.6 56.5 84.7
206 22.7 17.0 25.6

Manual Integrations
APPROVED

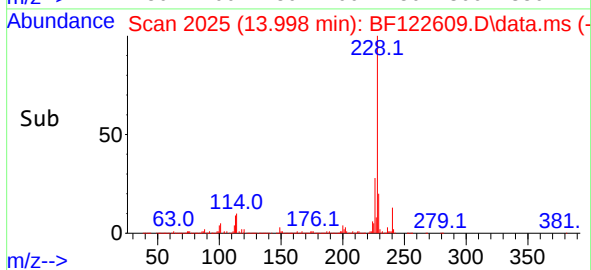
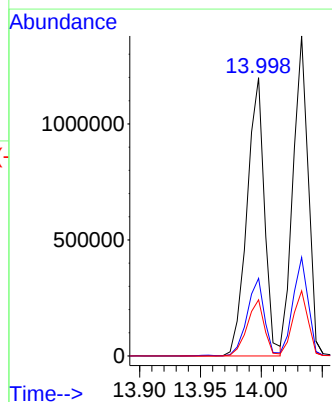
mohammad
12/18/2020 10:22:52 AM

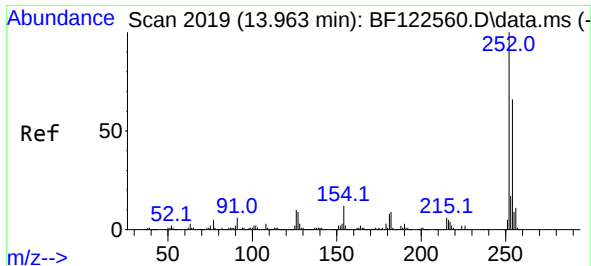


#81
Benzo(a)anthracene
Concen: 39.95 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

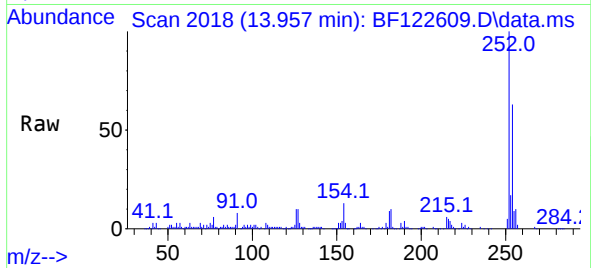


Tgt Ion:228 Resp: 1201335
Ion Ratio Lower Upper
228 100
226 27.9 23.0 34.4
229 20.2 16.6 24.8

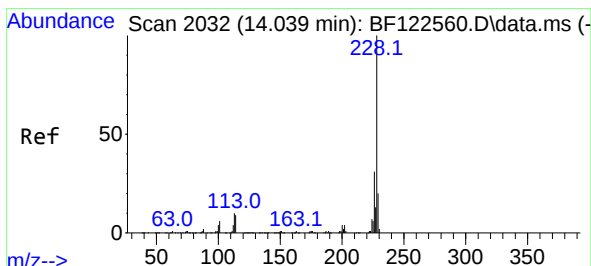
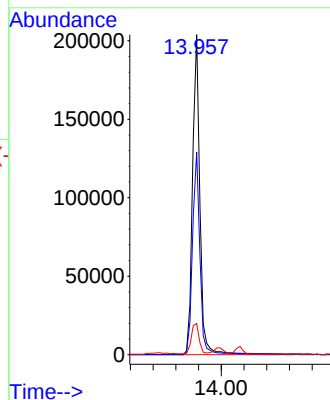
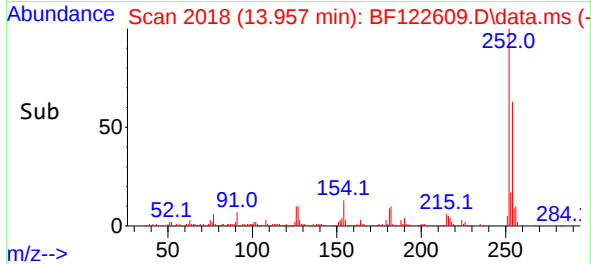




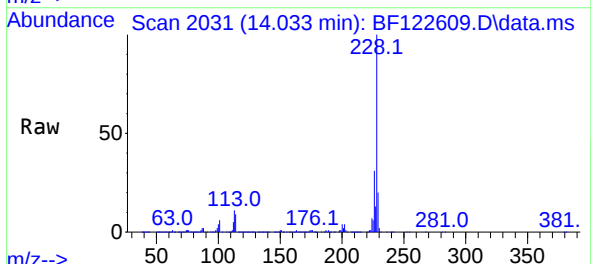
#82
3,3'-Dichlorobenzidine
Concen: 17.11 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



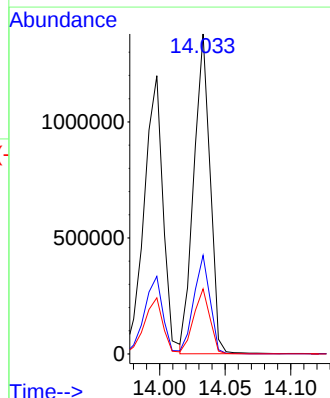
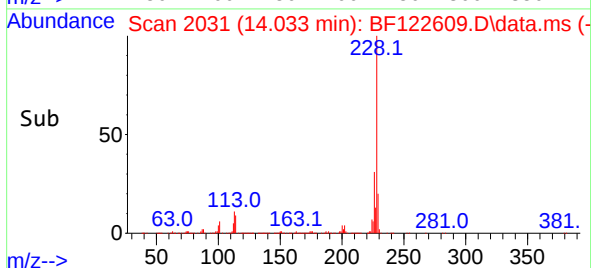
Tgt Ion:252 Resp: 184315
Ion Ratio Lower Upper
252 100
254 63.4 52.7 79.1
126 9.7 8.0 12.0



#83
Chrysene
Concen: 39.76 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



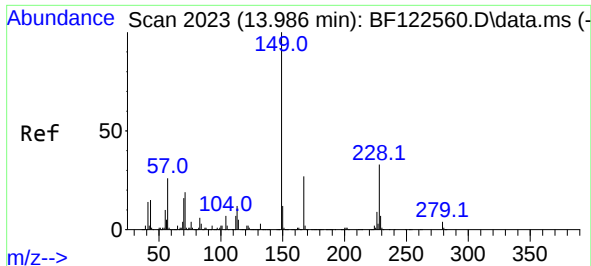
Tgt Ion:228 Resp: 1189864
Ion Ratio Lower Upper
228 100
226 30.8 24.6 36.8
229 20.4 15.8 23.6



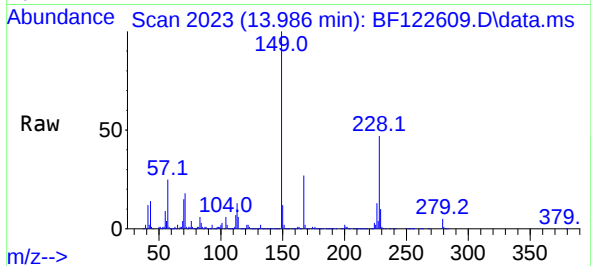
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

Manual Integrations
APPROVED

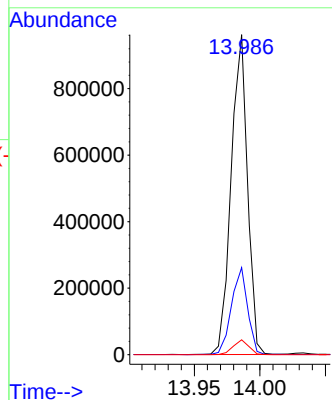
mohammad
12/18/2020 10:22:52 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 38.85 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



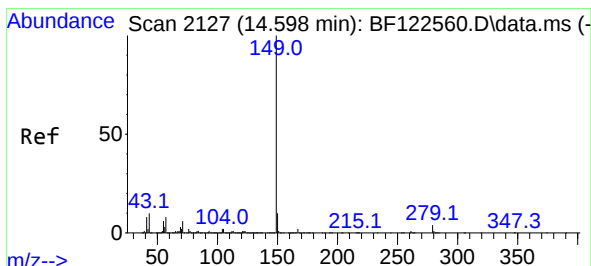
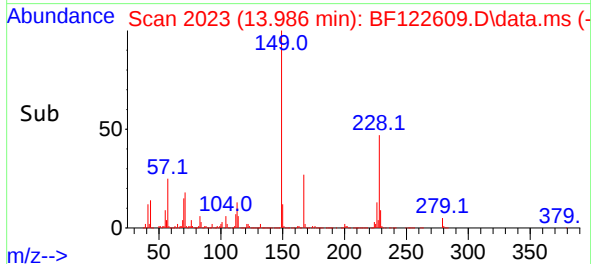
Tgt Ion:149 Resp: 833792
Ion Ratio Lower Upper
149 100
167 27.2 21.4 32.2
279 4.6 3.4 5.0



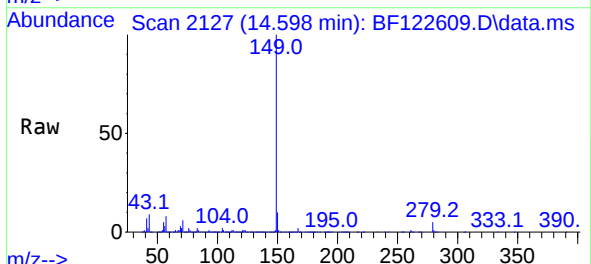
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

Manual Integrations
APPROVED

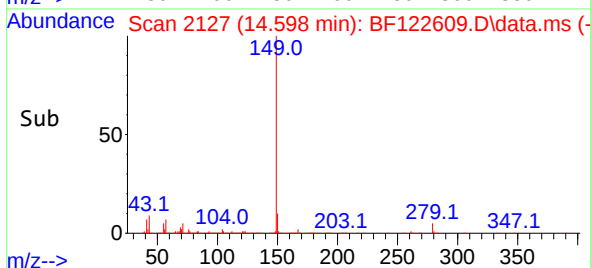
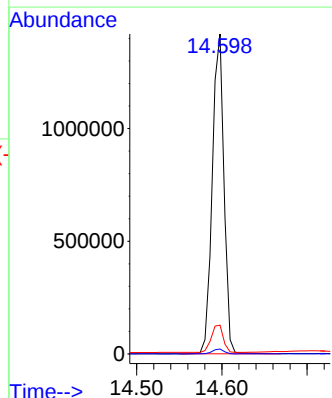
mohammad
12/18/2020 10:22:52 AM

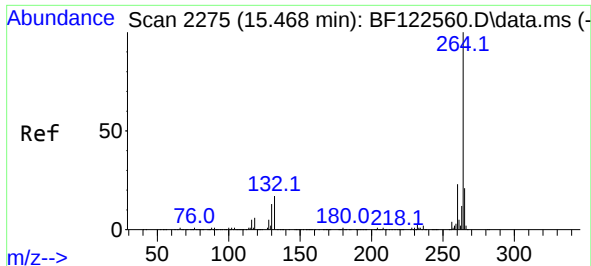


#85
Di-n-octyl phthalate
Concen: 37.88 ng
RT: 14.598 min Scan# 2127
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



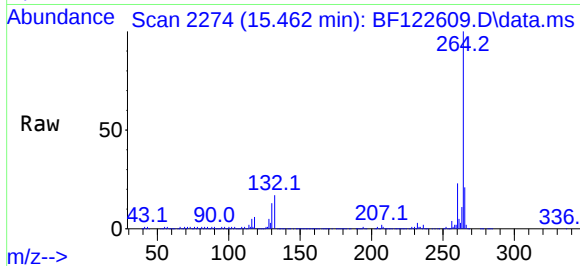
Tgt Ion:149 Resp: 1348625
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.7 7.6 11.4





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.462 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

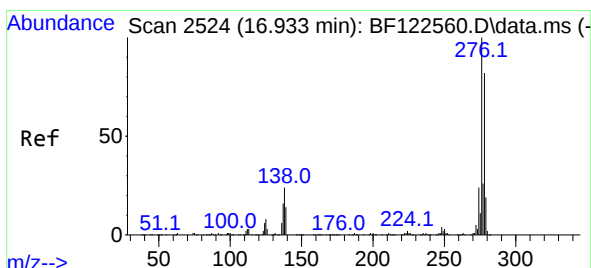
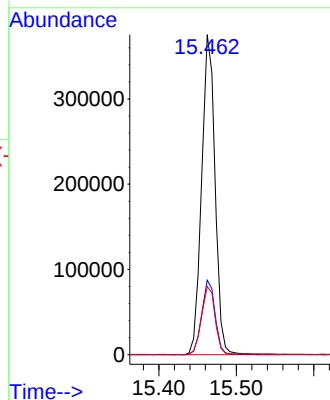
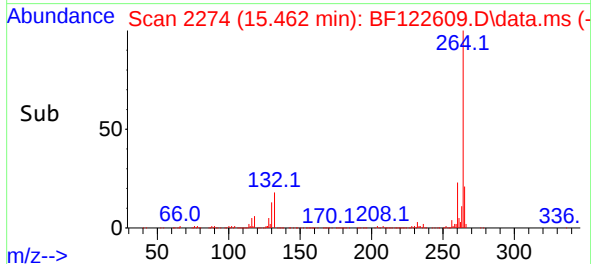


Tgt Ion:264 Resp: 451882

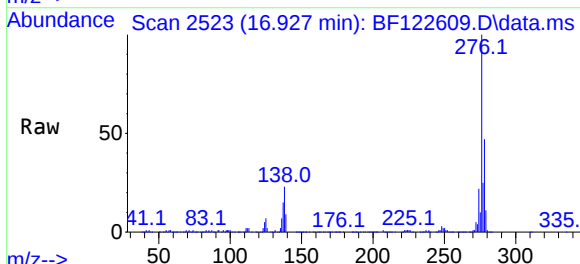
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.3	17.0	25.6

Manual Integrations
APPROVED

mohammad
12/18/2020 10:22:52 AM

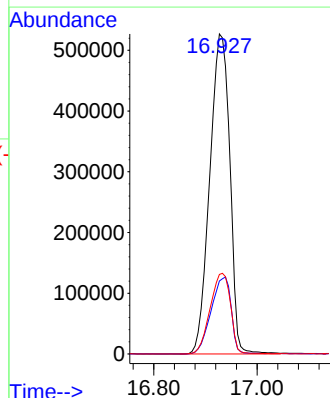
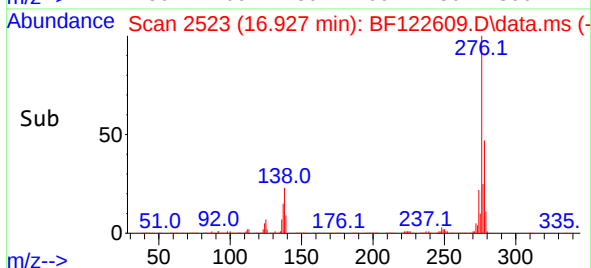


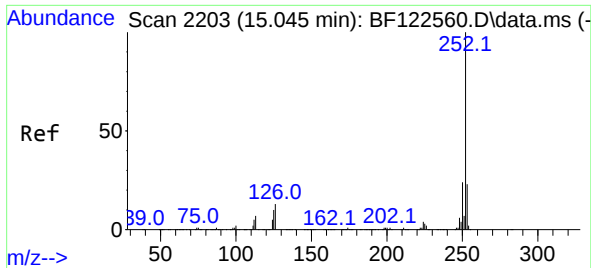
#87
Indeno(1,2,3-cd)pyrene
Concen: 47.88 ng
RT: 16.927 min Scan# 2523
Delta R.T. -0.006 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



Tgt Ion:276 Resp: 1420270

Ion	Ratio	Lower	Upper
276	100		
138	24.1	18.7	28.1
277	25.7	20.2	30.4





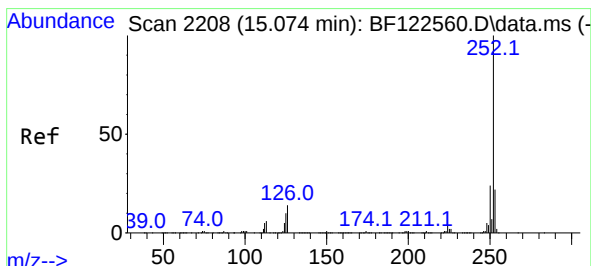
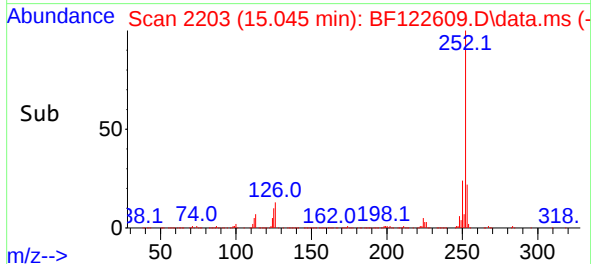
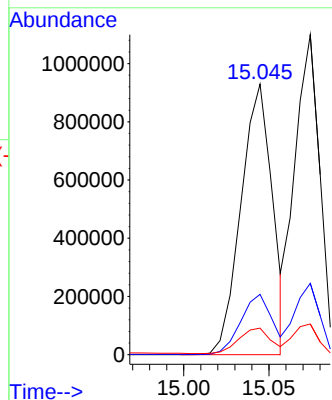
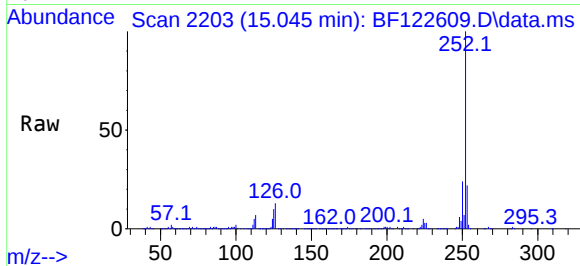
#88
Benzo(b)fluoranthene
Concen: 37.68 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion:252 Resp: 1194551
Ion Ratio Lower Upper
252 100
253 22.3 18.3 27.5
125 9.8 8.1 12.1

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

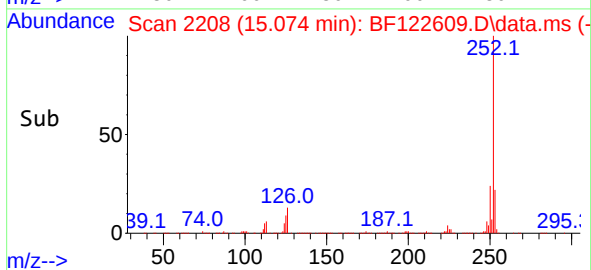
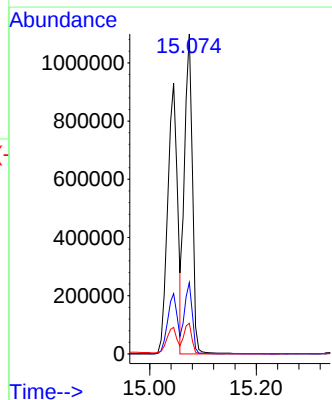
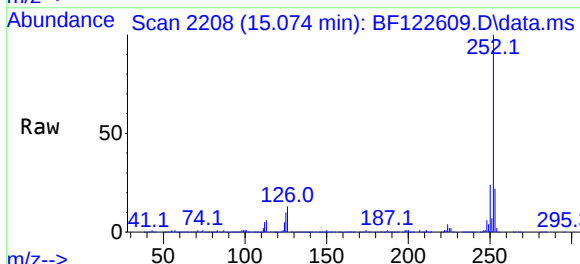
Manual Integrations
APPROVED

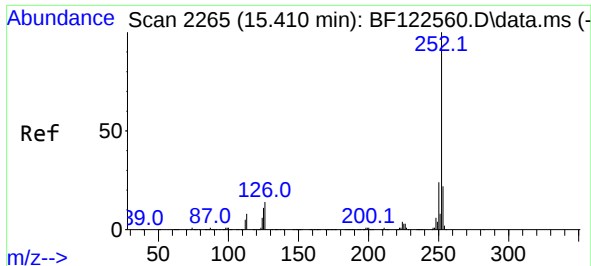
mohammad
12/18/2020 10:22:52 AM



#89
Benzo(k)fluoranthene
Concen: 39.17 ng
RT: 15.074 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

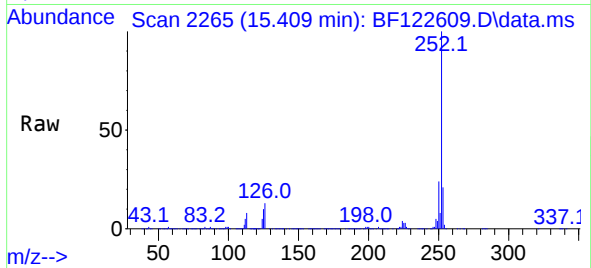
Tgt Ion:252 Resp: 1135565
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 9.6 8.4 12.6





#90
Benzo(a)pyrene
Concen: 39.21 ng
RT: 15.409 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

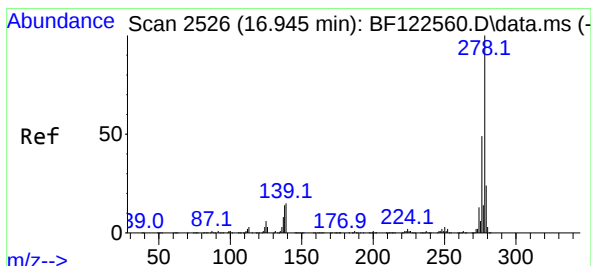
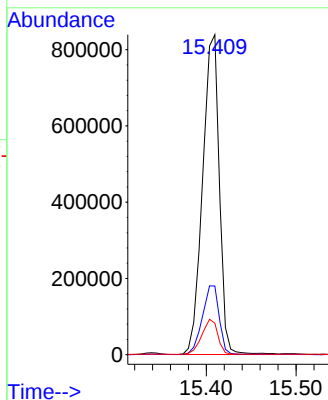
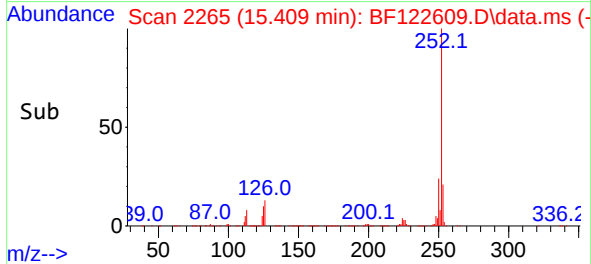
Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD



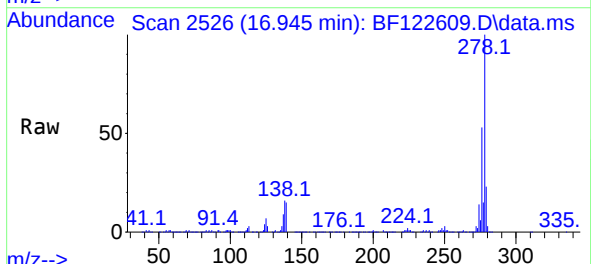
Tgt Ion:252 Resp: 1087680
Ion Ratio Lower Upper
252 100
253 21.4 17.5 26.3
125 9.8 8.6 12.8

Manual Integrations
APPROVED

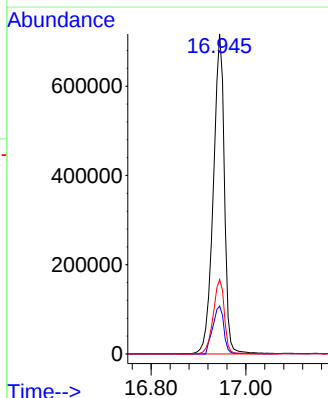
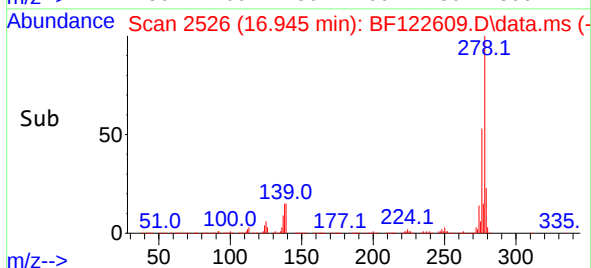
mohammad
12/18/2020 10:22:52 AM

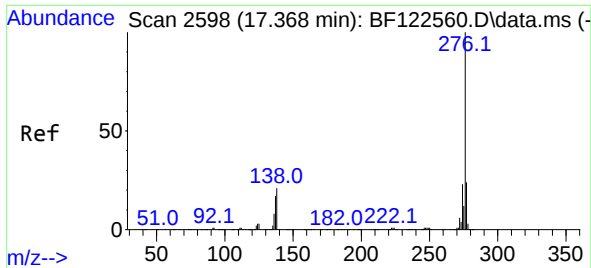


#91
Dibenzo(a,h)anthracene
Concen: 47.93 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02



Tgt Ion:278 Resp: 1163559
Ion Ratio Lower Upper
278 100
139 15.0 12.0 18.0
279 23.3 19.4 29.2





#92
Benzo(g,h,i)perylene
Concen: 52.50 ng
RT: 17.368 min Scan# 2598
Delta R.T. -0.000 min
Lab File: BF122609.D
Acq: 9 Dec 2020 13:02

Tgt Ion: 276 Resp: 1233586
Ion Ratio Lower Upper
276 100
277 23.7 19.3 28.9
138 20.6 16.6 24.8

Instrument :
BNA_F
ClientSampleId :
HSD-SOILMSD

Manual Integrations
APPROVED

mohammad
12/18/2020 10:22:52 AM

