

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
 Data File : BF140244.D
 Acq On : 05 Nov 2024 18:22
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-5 PPM
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Quant Time: Nov 05 23:44:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 23:41:33 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2024
 Supervised By :mohammad ahmed 11/06/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	192550	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	715379	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	432149	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	782397	20.000	ng	0.00
76) Chrysene-d12	14.057	240	493840	20.000	ng	0.00
86) Perylene-d12	15.568	264	406750	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1207397	103.916	ng	0.00
7) Phenol-d6	6.504	99	1584658	106.034	ng	0.00
23) Nitrobenzene-d5	7.439	82	1123417	78.077	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	483372	113.160	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2000930	73.935	ng	0.00
79) Terphenyl-d14	12.992	244	2222703	73.730	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	26118	4.889	ng	94
3) Pyridine	3.487	79	55490	4.257	ng	96
4) n-Nitrosodimethylamine	3.369	42	32892	4.371	ng	# 94
6) Aniline	6.539	93	81275	6.019	ng	96
8) 2-Chlorophenol	6.663	128	62285	5.123	ng	96
9) Benzaldehyde	6.428	77	55454	6.024	ng	98
10) Phenol	6.516	94	78397	4.939	ng	# 77
11) bis(2-Chloroethyl)ether	6.610	93	60708	5.035	ng	98
12) 1,3-Dichlorobenzene	6.816	146	69062	4.848	ng	99
13) 1,4-Dichlorobenzene	6.892	146	69627	4.846	ng	99
14) 1,2-Dichlorobenzene	7.045	146	66936	4.988	ng	97
15) Benzyl Alcohol	7.010	79	72359	6.281	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.145	45	99349	5.090	ng	100
17) 2-Methylphenol	7.116	107	47739	4.707	ng	96
18) Hexachloroethane	7.386	117	25814	4.823	ng	91
19) n-Nitroso-di-n-propyla...	7.275	70	47020	4.932	ng	98
20) 3+4-Methylphenols	7.269	107	60543	4.753	ng	96
22) Acetophenone	7.275	105	91242	5.144	ng	# 97
24) Nitrobenzene	7.451	77	72335	4.791	ng	99
25) Isophorone	7.686	82	122603	4.949	ng	99
26) 2-Nitrophenol	7.769	139	27851	4.637	ng	99
27) 2,4-Dimethylphenol	7.798	122	31223	3.821	ng	94
28) bis(2-Chloroethoxy)met...	7.898	93	73071	4.928	ng	99
29) 2,4-Dichlorophenol	8.004	162	49186	4.866	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	58222	4.807	ng	99
31) Naphthalene	8.175	128	183876	4.978	ng	99
32) Benzoic acid	7.857	122	15982m	2.384	ng	
33) 4-Chloroaniline	8.222	127	66640	5.480	ng	98
34) Hexachlorobutadiene	8.292	225	37552	4.580	ng	100
35) Caprolactam	8.551	113	14333	4.661	ng	95
36) 4-Chloro-3-methylphenol	8.698	107	53701	4.772	ng	95
37) 2-Methylnaphthalene	8.863	142	124236	5.153	ng	99
38) 1-Methylnaphthalene	8.963	142	115643	4.894	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	63340	5.007	ng	99
41) Hexachlorocyclopentadiene	9.022	237	10788	3.043	ng	97
43) 2,4,6-Trichlorophenol	9.145	196	35681	4.551	ng	98

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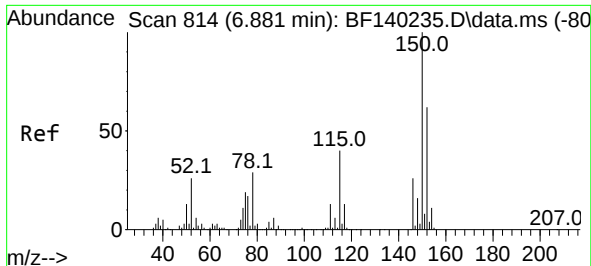
Quant Time: Nov 05 23:44:29 2024
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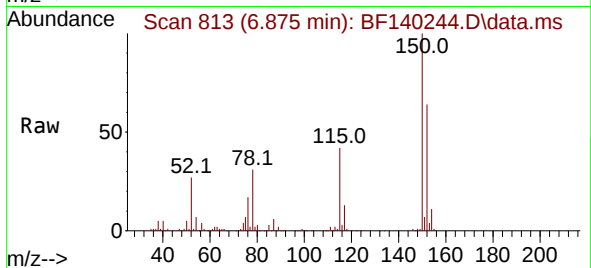
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	37290	4.524	ng	98
46) 1,1'-Biphenyl	9.333	154	164910	5.279	ng	98
47) 2-Chloronaphthalene	9.357	162	113509	4.828	ng	98
48) 2-Nitroaniline	9.451	65	34770	4.422	ng	95
49) Acenaphthylene	9.775	152	182748	5.490	ng	98
50) Dimethylphthalate	9.628	163	132283	4.970	ng	99
51) 2,6-Dinitrotoluene	9.692	165	27305	4.365	ng	99
52) Acenaphthene	9.945	154	109533	4.640	ng	99
53) 3-Nitroaniline	9.857	138	28366	4.815	ng	99
55) Dibenzofuran	10.116	168	171266	5.188	ng	98
56) 4-Nitrophenol	10.016	139	14638	3.534	ng	97
57) 2,4-Dinitrotoluene	10.092	165	36058	4.442	ng	96
58) Fluorene	10.463	166	133723	5.089	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.233	232	31458	4.659	ng	97
60) Diethylphthalate	10.333	149	131122	4.958	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	67462	5.094	ng	94
62) 4-Nitroaniline	10.469	138	25386	4.337	ng	96
63) Azobenzene	10.616	77	137706	5.023	ng	98
65) 4,6-Dinitro-2-methylph...	10.504	198	10194	2.481	ng	96
66) n-Nitrosodiphenylamine	10.569	169	113224	5.031	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	41076	4.875	ng	98
68) Hexachlorobenzene	11.010	284	45861	4.775	ng	98
69) Atrazine	11.092	200	38995	6.334	ng	99
70) Pentachlorophenol	11.204	266	15084	2.925	ng	98
71) Phenanthrene	11.427	178	193181	5.174	ng	98
72) Anthracene	11.480	178	185478	5.066	ng	98
73) Carbazole	11.633	167	166165	4.967	ng	98
74) Di-n-butylphthalate	11.963	149	194733	4.917	ng	99
75) Fluoranthene	12.616	202	192565	4.932	ng	98
77) Benzidine	12.739	184	44049	4.562	ng	95
78) Pyrene	12.845	202	196239	4.813	ng	99
80) Butylbenzylphthalate	13.468	149	68684	4.678	ng	95
81) Benzo(a)anthracene	14.045	228	152075	4.798	ng	98
82) 3,3'-Dichlorobenzidine	14.010	252	42364	4.257	ng	99
83) Chrysene	14.080	228	148270	4.996	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	99593	4.840	ng	98
85) Di-n-octyl phthalate	14.680	149	139668	4.509	ng	100
87) Indeno(1,2,3-cd)pyrene	17.068	276	105513	4.419	ng	99
88) Benzo(b)fluoranthene	15.127	252	112529	4.574	ng	99
89) Benzo(k)fluoranthene	15.157	252	120963	5.358	ng	99
90) Benzo(a)pyrene	15.504	252	99168	4.889	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	85085	4.331	ng	98
92) Benzo(g,h,i)perylene	17.521	276	82832	4.134	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

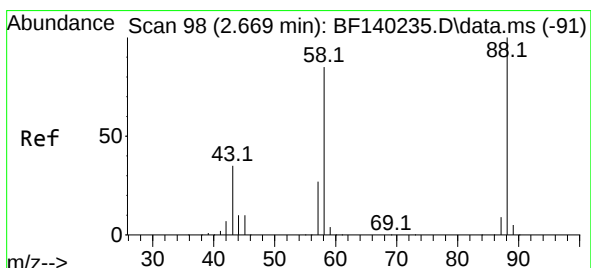
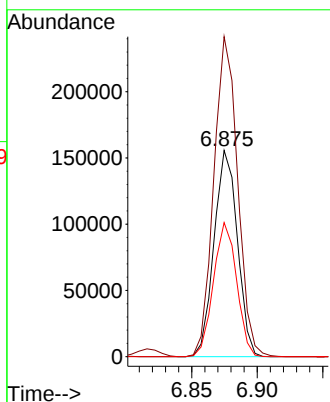
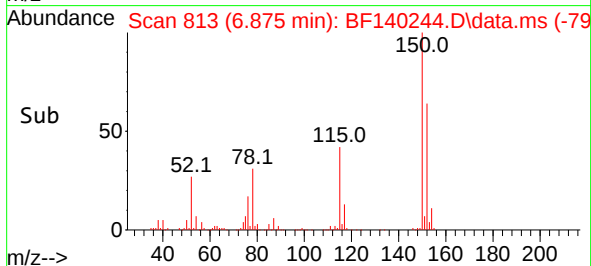
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:152 Resp: 192550
Ion Ratio Lower Upper
152 100
150 155.2 129.4 194.2
115 65.1 51.5 77.3

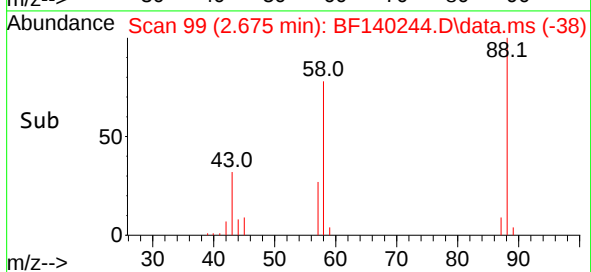
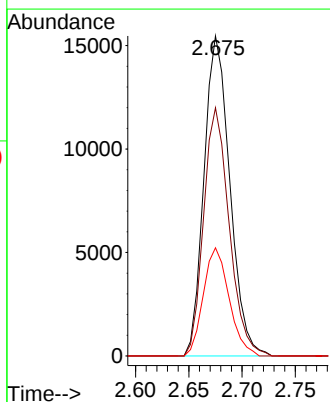
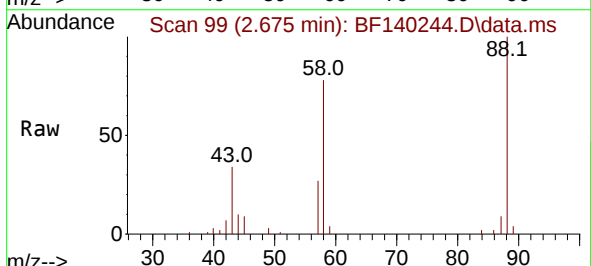
Manual Integrations
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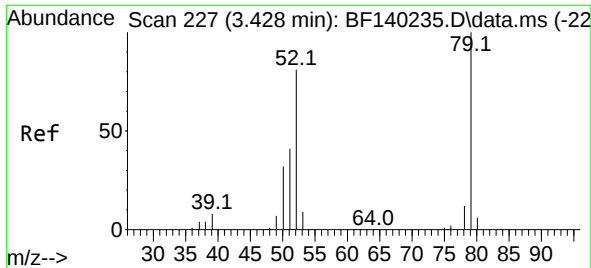
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#2
1,4-Dioxane
Concen: 4.889 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

Tgt Ion: 88 Resp: 26118
Ion Ratio Lower Upper
88 100
58 76.7 66.7 100.1
43 33.6 27.8 41.8





#3

Pyridine

Concen: 4.257 ng

RT: 3.487 min Scan# 217

Delta R.T. 0.059 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

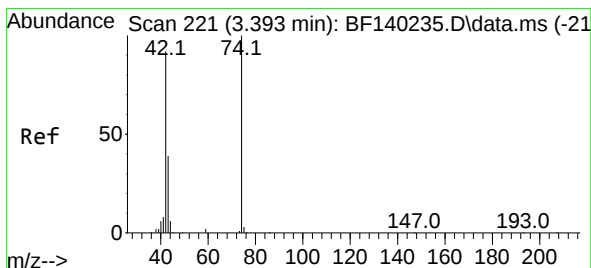
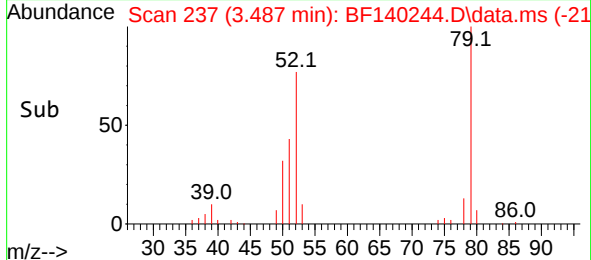
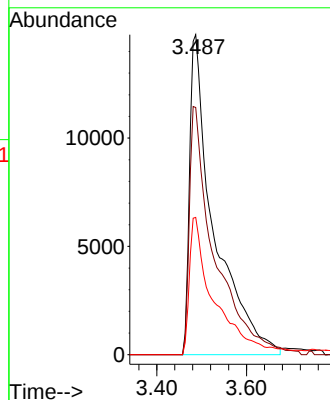
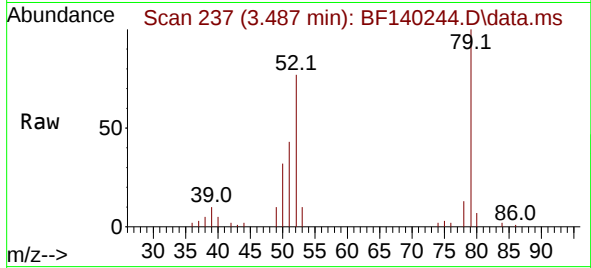
Tgt Ion: 79	Resp: 55490
Ion Ratio	Lower Upper
79 100	
52 77.2	64.6 97.0
51 42.9	32.5 48.7

Manual Integrations

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Supervised By :mohammad ahmed 11/06/2024



#4

n-Nitrosodimethylamine

Concen: 4.371 ng

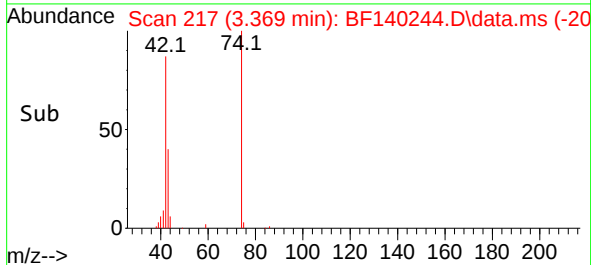
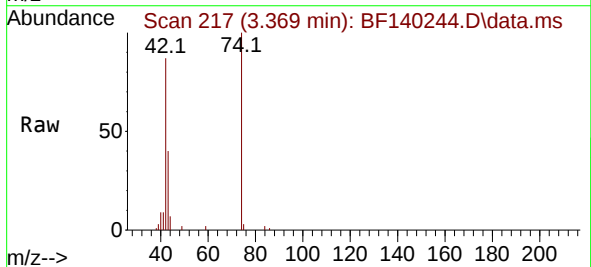
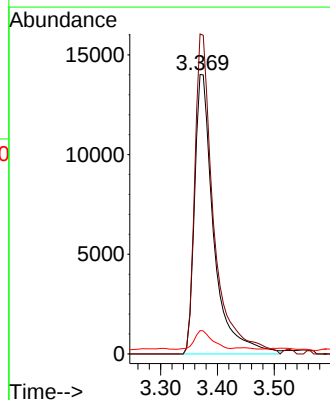
RT: 3.369 min Scan# 217

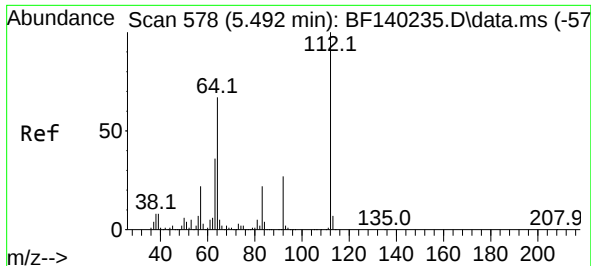
Delta R.T. -0.024 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

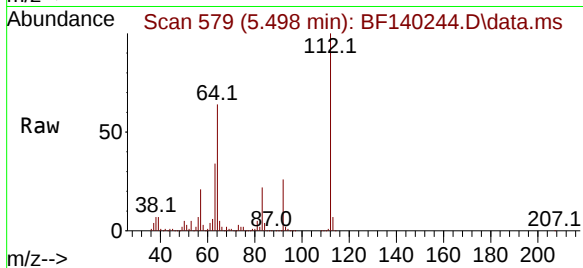
Tgt Ion: 42	Resp: 32892
Ion Ratio	Lower Upper
42 100	
74 114.5	86.9 130.3
44 8.4	5.0 7.6





#5
2-Fluorophenol
Concen: 103.916 ng
RT: 5.498 min Scan# 512
Delta R.T. 0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

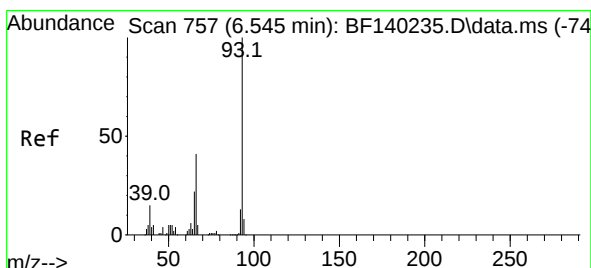
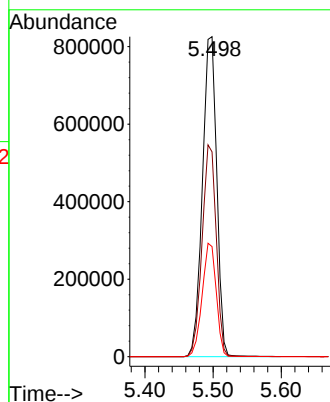
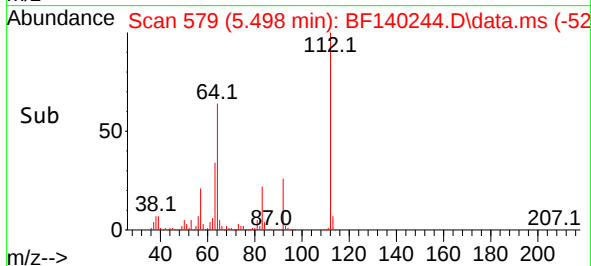
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 112 Resp: 120739
Ion Ratio Lower Upper
112 100
64 64.0 53.4 80.2
63 34.4 28.9 43.3

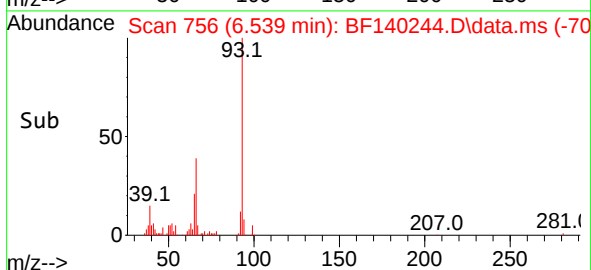
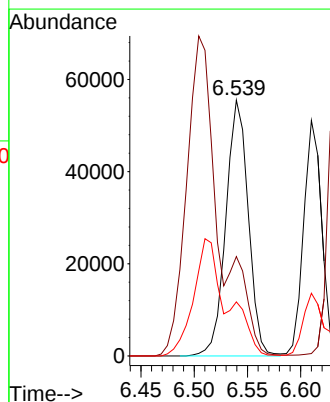
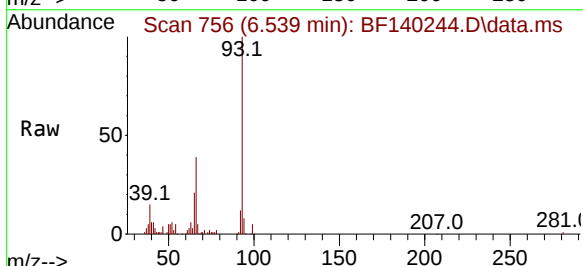
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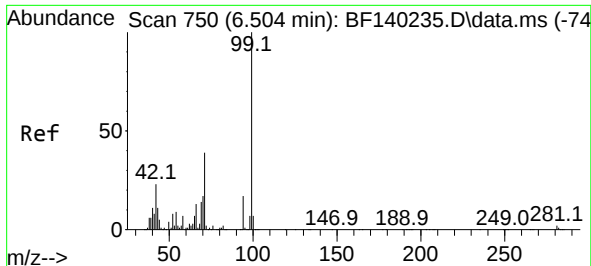
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#6
Aniline
Concen: 6.019 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

Tgt Ion: 93 Resp: 81275
Ion Ratio Lower Upper
93 100
66 38.8 33.6 50.4
65 21.1 17.5 26.3





#7

Phenol-d6

Concen: 106.034 ng

RT: 6.504 min Scan# 750

Delta R.T. 0.000 min

Lab File: BF140244.D

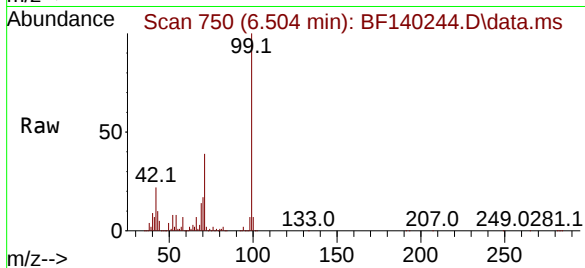
Acq: 05 Nov 2024 18:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion: 99 Resp: 158465

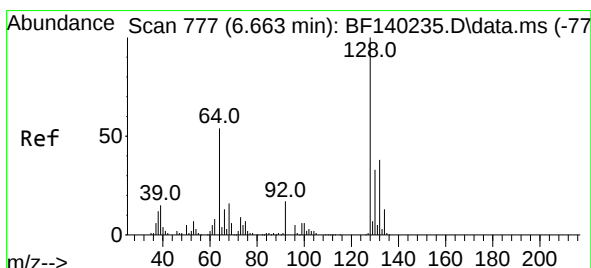
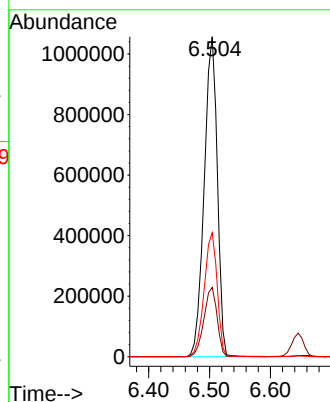
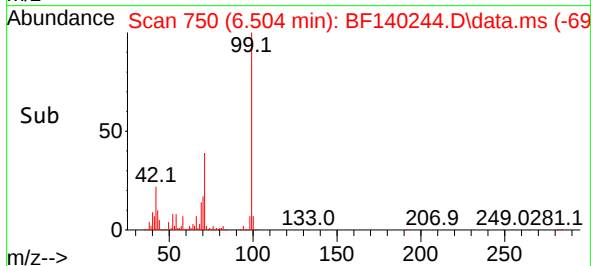
Ion	Ratio	Lower	Upper
99	100		
42	21.6	18.2	27.2
71	38.8	30.9	46.3

Manual Integrations

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#8

2-Chlorophenol

Concen: 5.123 ng

RT: 6.663 min Scan# 777

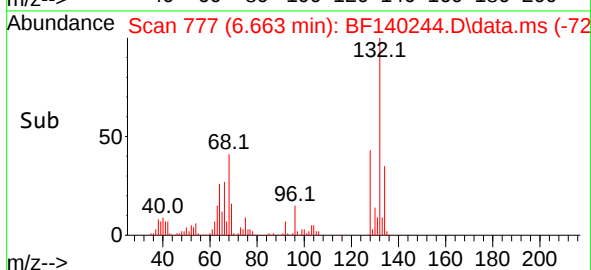
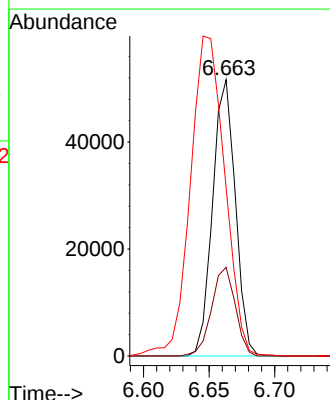
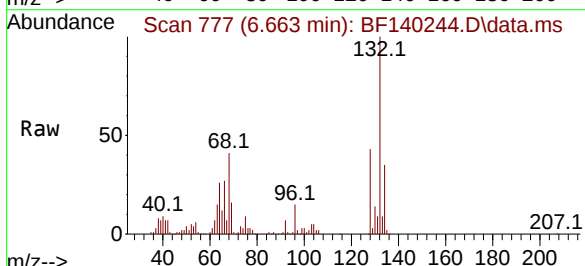
Delta R.T. 0.000 min

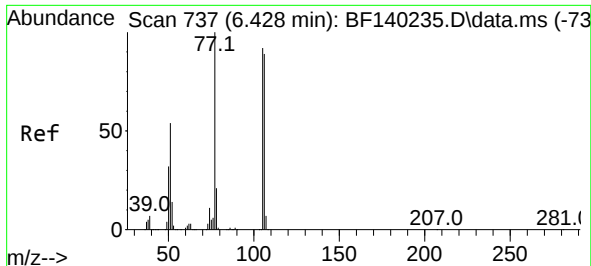
Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

Tgt Ion:128 Resp: 62285

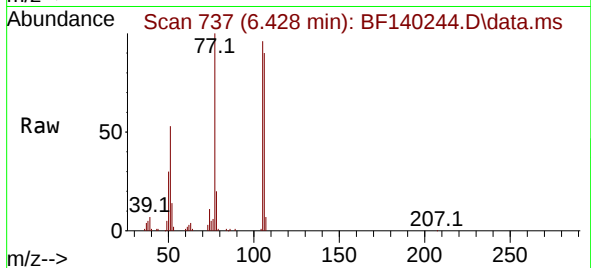
Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.9	52.9
64	60.8	36.3	76.3





#9
Benzaldehyde
Concen: 6.024 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

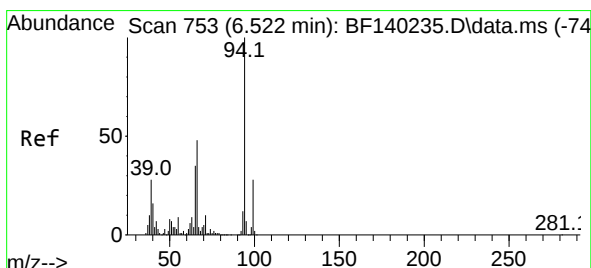
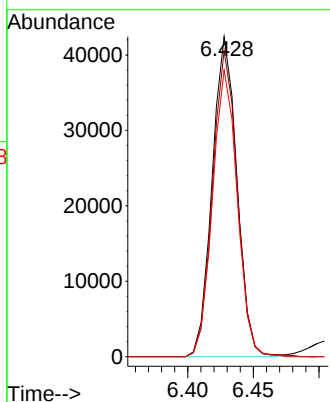
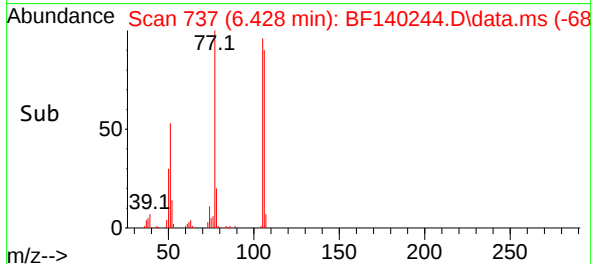
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



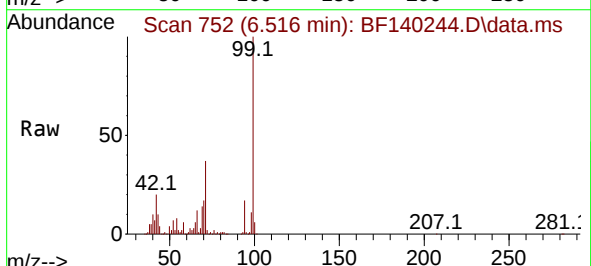
Tgt Ion: 77 Resp: 55454
Ion Ratio Lower Upper
77 100
105 95.6 72.1 112.1
106 89.6 68.8 108.8

Manual Integrations
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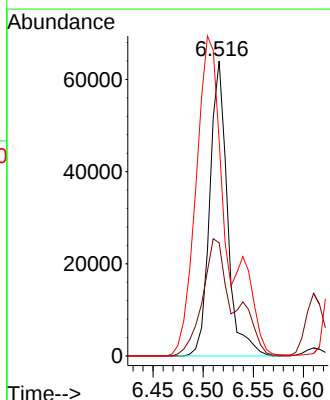
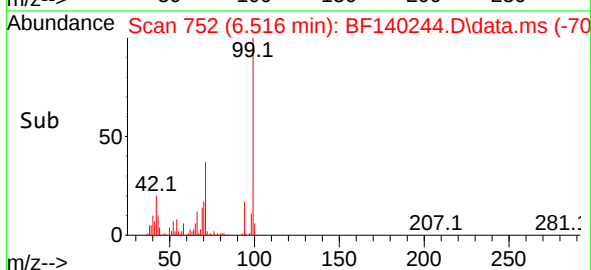
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

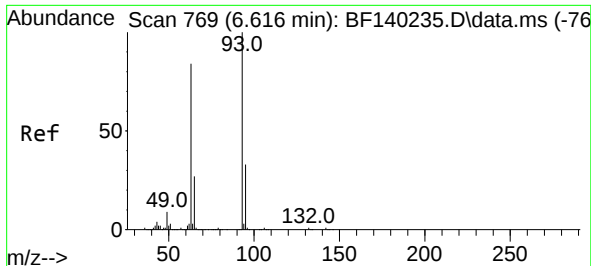


#10
Phenol
Concen: 4.939 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22



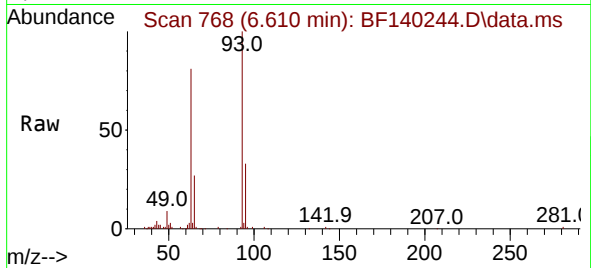
Tgt Ion: 94 Resp: 78397
Ion Ratio Lower Upper
94 100
65 38.4 15.1 55.1
66 73.0 28.8 68.8#





#11
bis(2-Chloroethyl)ether
Concen: 5.035 ng
RT: 6.610 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

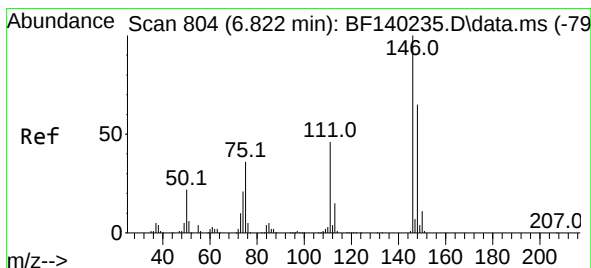
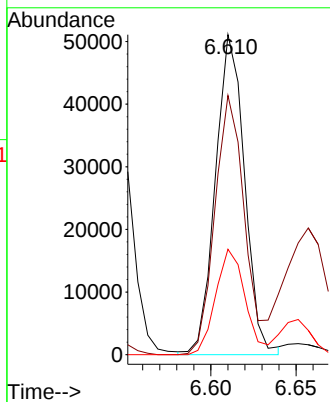
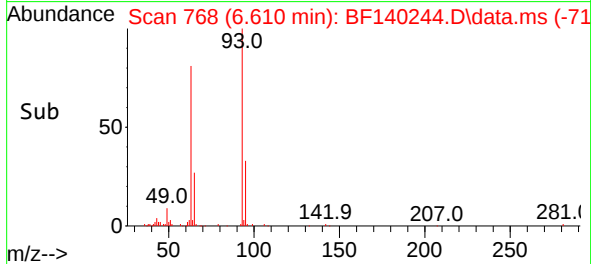
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 93 Resp: 60708
Ion Ratio Lower Upper
93 100
63 81.0 63.6 103.6
95 33.0 12.7 52.7

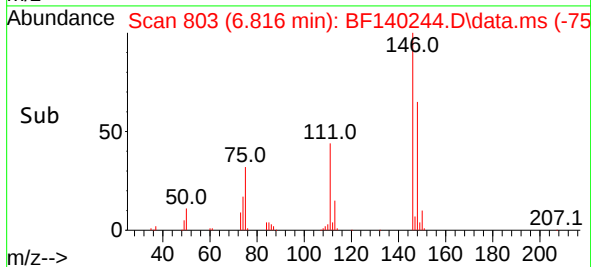
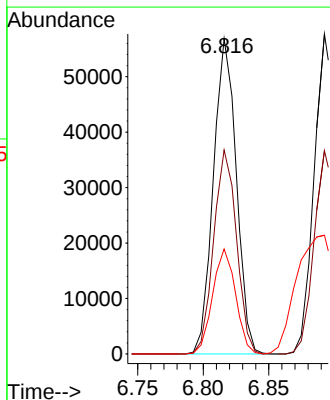
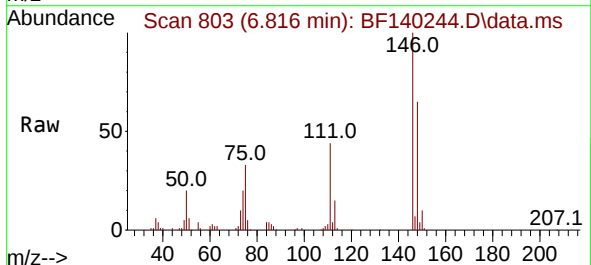
Manual Integrations
APPROVED

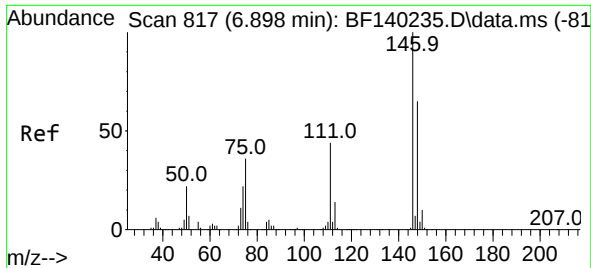
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#12
1,3-Dichlorobenzene
Concen: 4.848 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

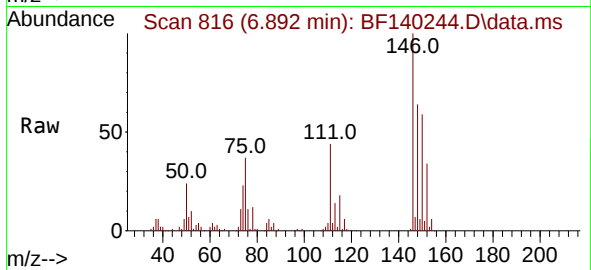
Tgt Ion:146 Resp: 69062
Ion Ratio Lower Upper
146 100
148 64.7 51.7 77.5
75 33.3 28.4 42.6





#13
1,4-Dichlorobenzene
Concen: 4.846 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

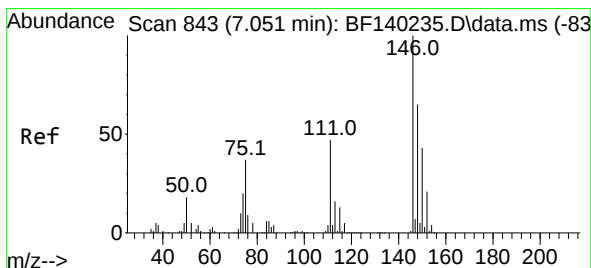
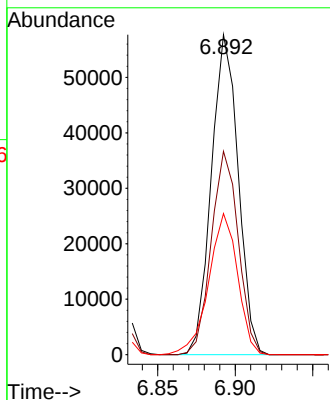
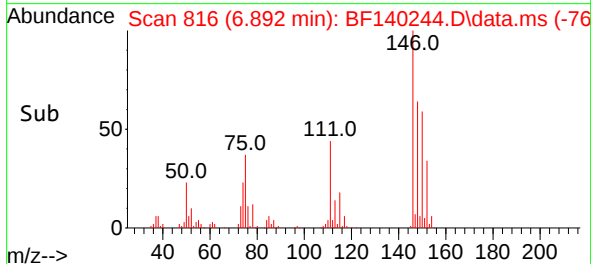
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:146 Resp: 6962
Ion Ratio Lower Upper
146 100
148 63.5 51.8 77.6
111 44.1 35.4 53.2

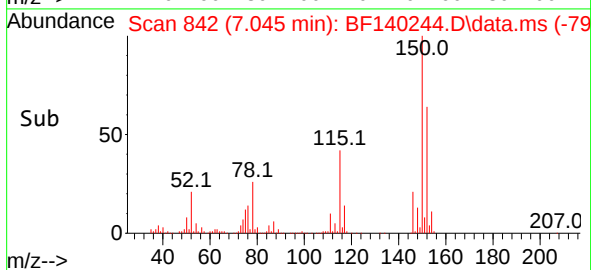
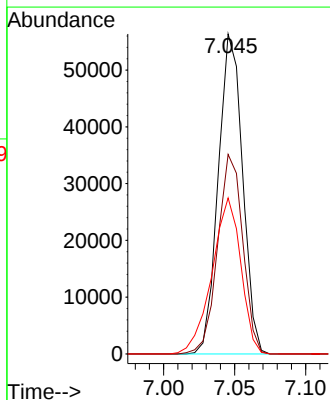
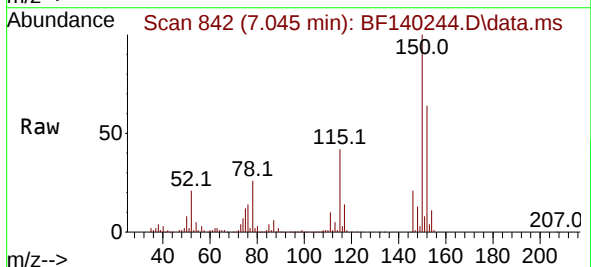
Manual Integrations
APPROVED

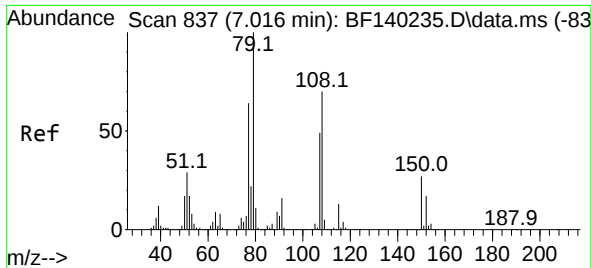
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#14
1,2-Dichlorobenzene
Concen: 4.988 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

Tgt Ion:146 Resp: 66936
Ion Ratio Lower Upper
146 100
148 62.4 51.8 77.6
111 48.7 37.9 56.9





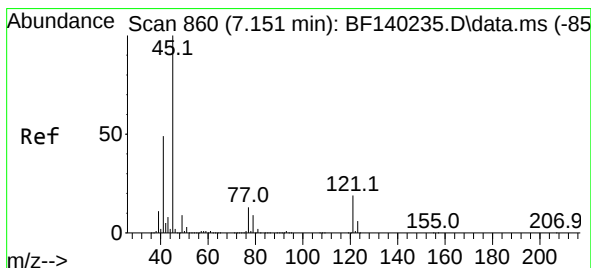
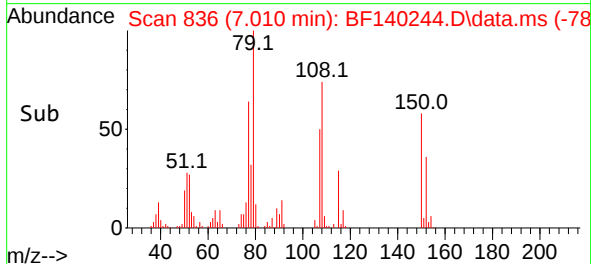
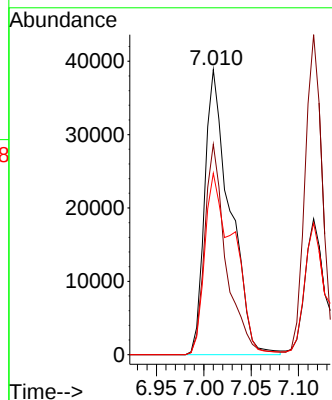
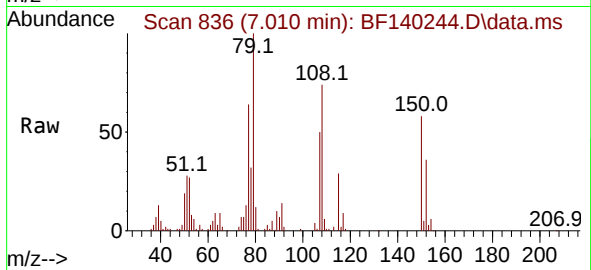
#15
Benzyl Alcohol
Concen: 6.281 ng
RT: 7.010 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion: 79 Resp: 72359
Ion Ratio Lower Upper
79 100
108 73.8 55.8 83.6
77 63.7 51.1 76.7

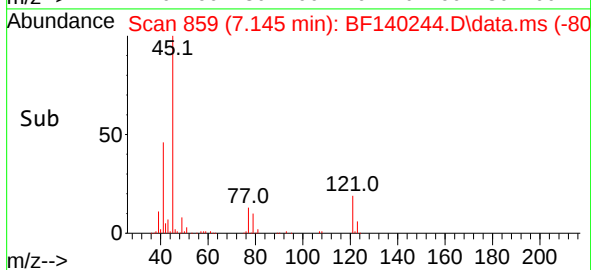
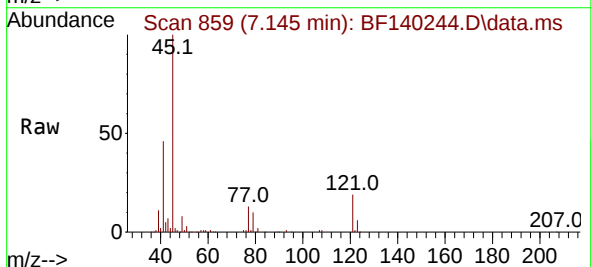
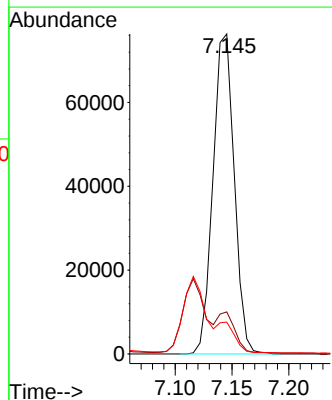
Manual Integrations
APPROVED

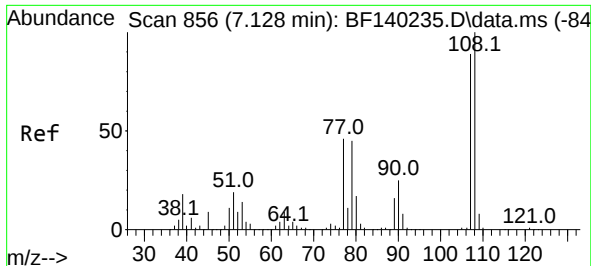
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.090 ng
RT: 7.145 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

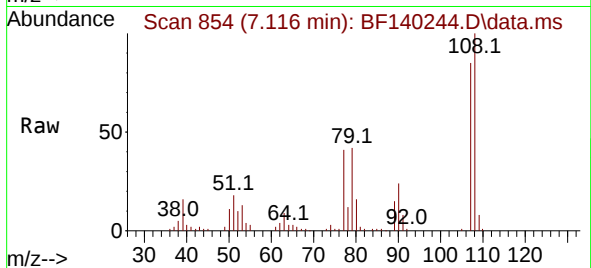
Tgt Ion: 45 Resp: 99349
Ion Ratio Lower Upper
45 100
77 13.1 0.0 33.3
79 10.0 0.0 29.9





#17
2-Methylphenol
Concen: 4.707 ng
RT: 7.116 min Scan# 856
Delta R.T. -0.012 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

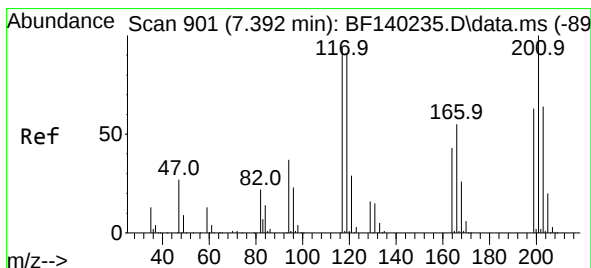
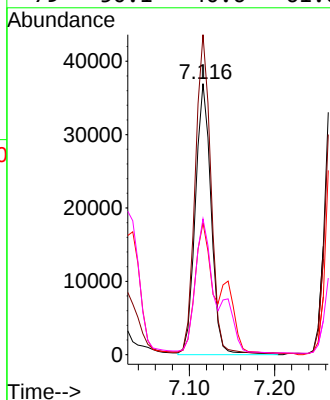
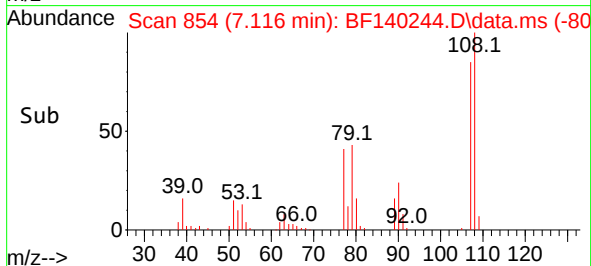
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:107 Resp: 47739
Ion Ratio Lower Upper
107 100
108 118.1 90.5 135.7
77 48.6 41.8 62.6
79 50.1 40.6 61.0

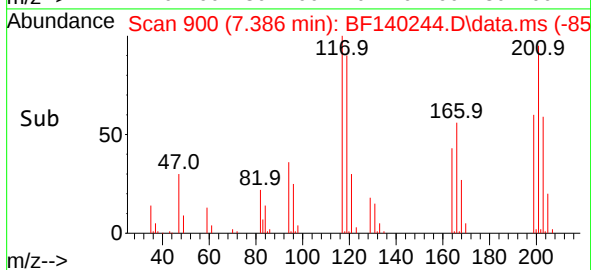
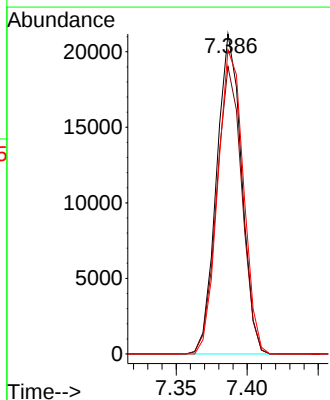
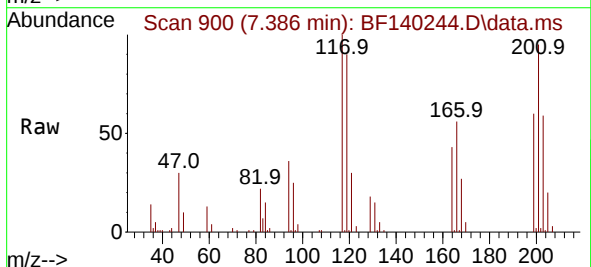
Manual Integrations
APPROVED

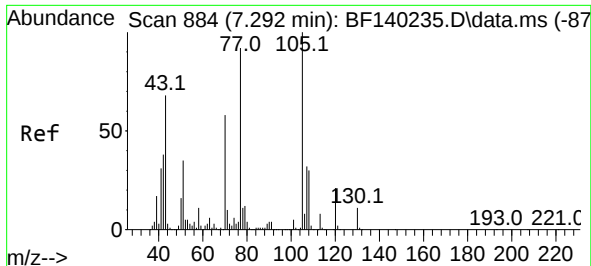
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#18
Hexachloroethane
Concen: 4.823 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

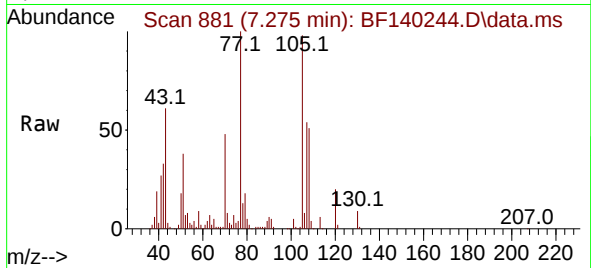
Tgt Ion:117 Resp: 25814
Ion Ratio Lower Upper
117 100
119 89.9 77.3 115.9
201 95.1 85.1 127.7





#19
n-Nitroso-di-n-propylamine
Concen: 4.932 ng
RT: 7.275 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

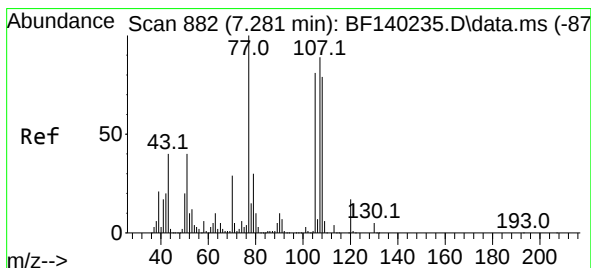
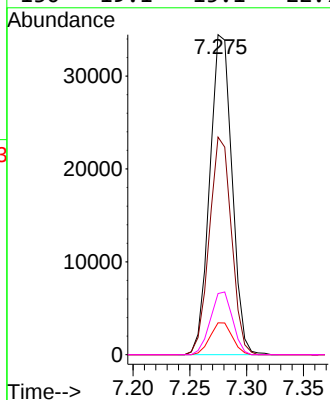
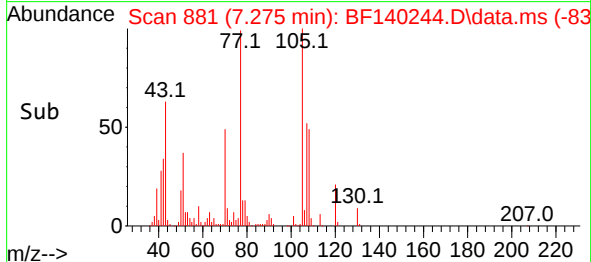


Tgt Ion: 70 Resp: 47020

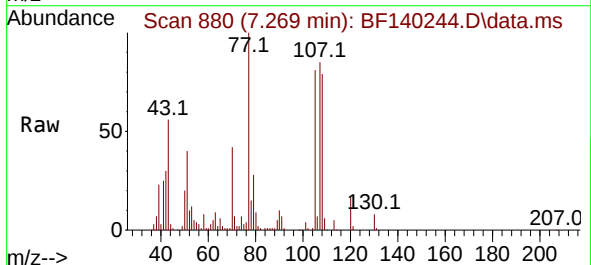
Ion	Ratio	Lower	Upper
70	100		
42	68.0	52.8	79.2
101	10.0	7.4	11.2
130	19.1	15.1	22.7

Manual Integrations
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Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

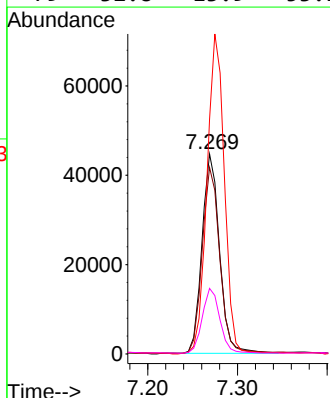
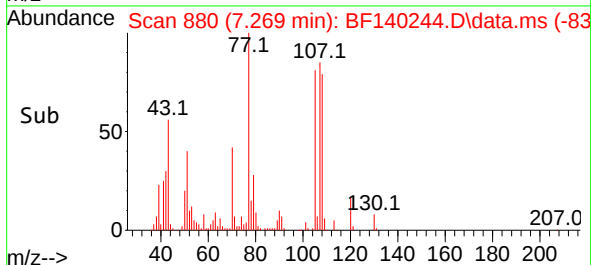


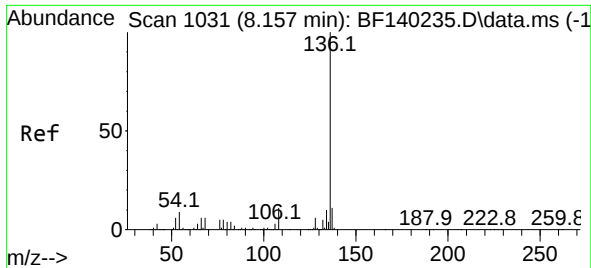
#20
3+4-Methylphenols
Concen: 4.753 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22



Tgt Ion:107 Resp: 60543

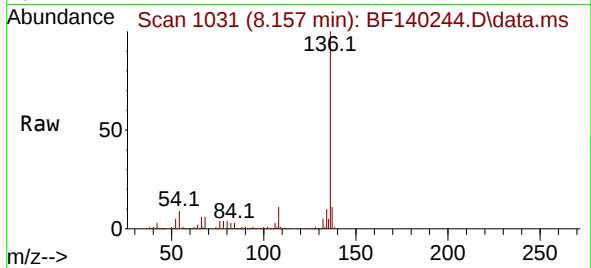
Ion	Ratio	Lower	Upper
107	100		
108	93.3	69.4	109.4
77	117.3	92.7	132.7
79	32.8	13.9	53.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

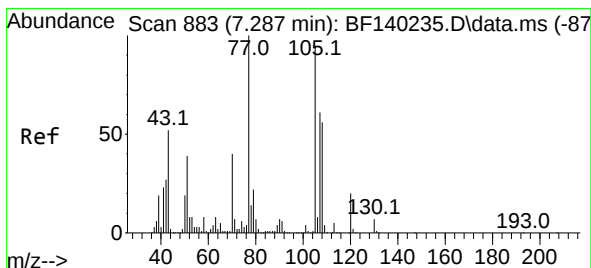
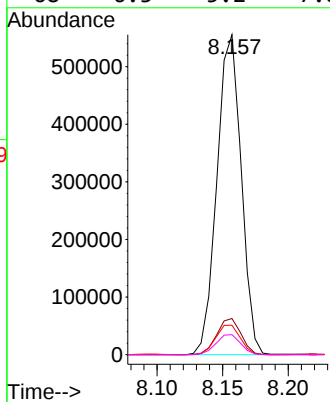
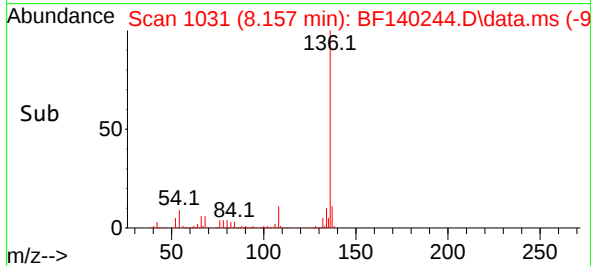
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:	136	Resp:	715379
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.6
54	9.2	7.7	11.5
68	6.3	5.2	7.8

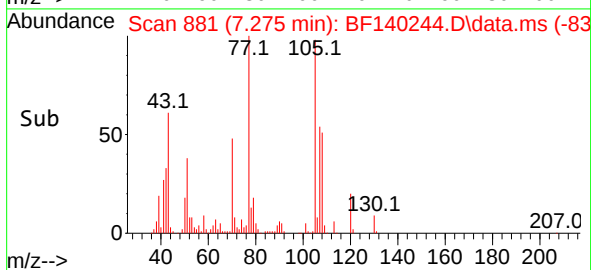
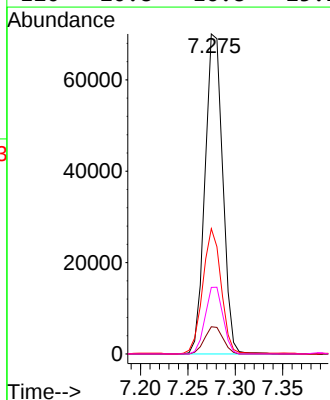
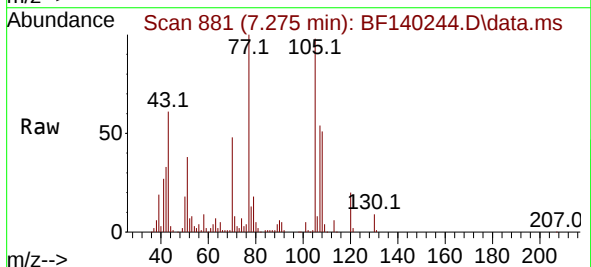
Manual Integrations
APPROVED

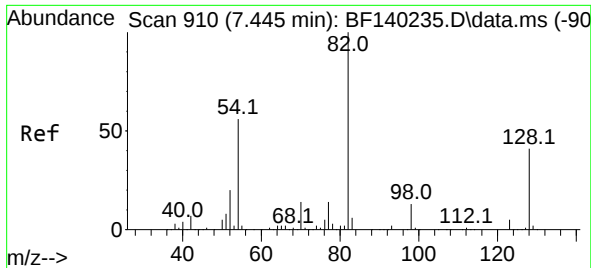
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#22
Acetophenone
Concen: 5.144 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

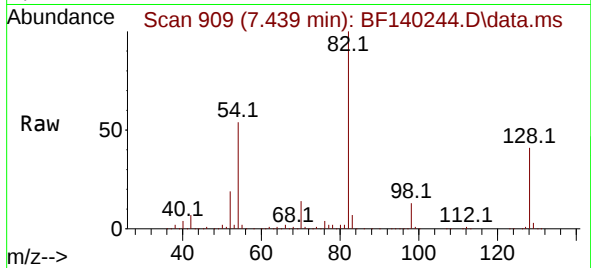
Tgt Ion:	105	Resp:	91242
Ion Ratio	Lower	Upper	
105	100		
71	8.5	5.6	8.4#
51	39.1	33.2	49.8
120	20.8	16.8	25.2





#23
Nitrobenzene-d5
Concen: 78.077 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

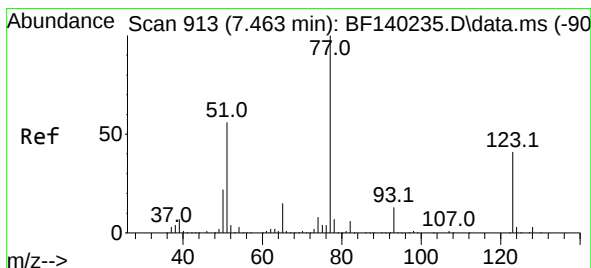
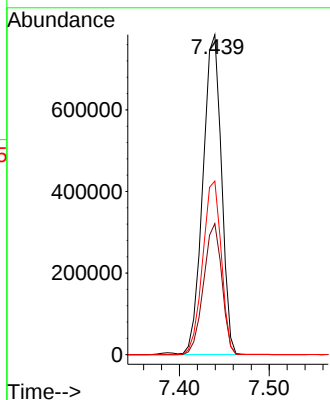
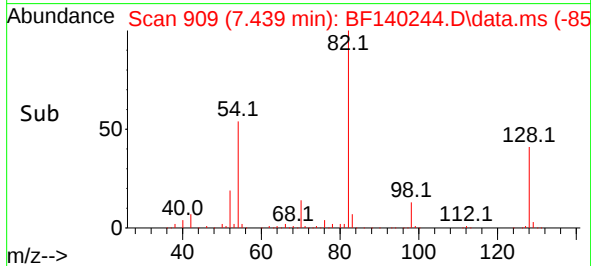
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



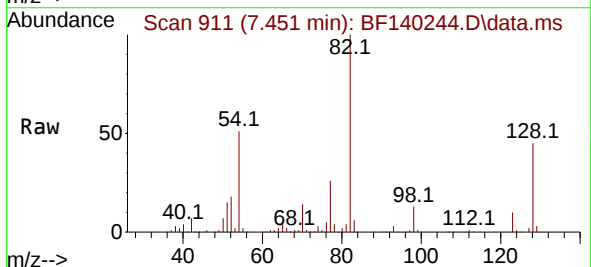
Tgt Ion: 82 Resp: 112341
Ion Ratio Lower Upper
82 100
128 40.9 32.8 49.2
54 54.3 44.3 66.5

Manual Integrations
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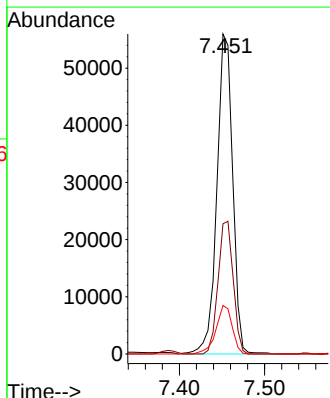
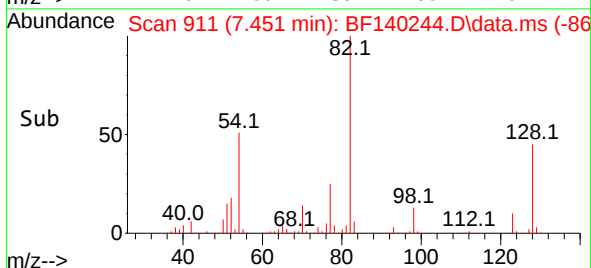
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

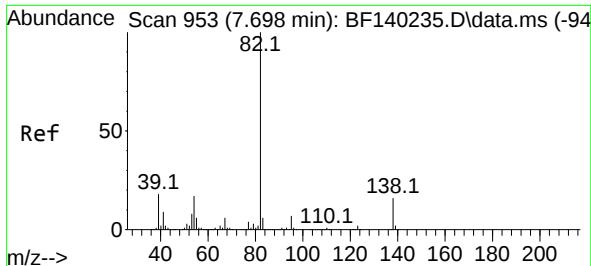


#24
Nitrobenzene
Concen: 4.791 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22



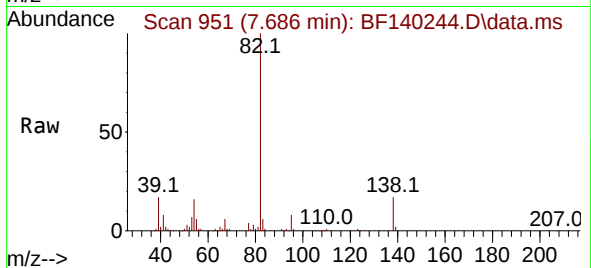
Tgt Ion: 77 Resp: 72335
Ion Ratio Lower Upper
77 100
123 40.7 33.0 49.4
65 15.2 11.7 17.5





#25
Isophorone
Concen: 4.949 ng
RT: 7.686 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

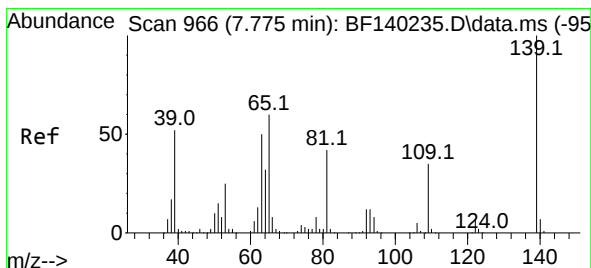
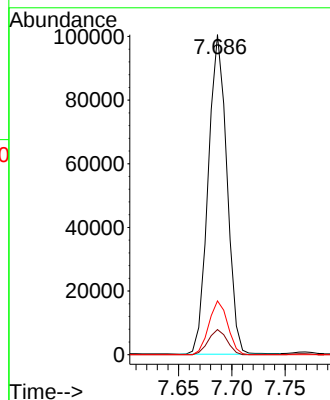
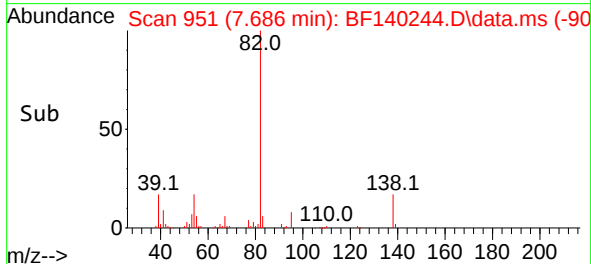
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



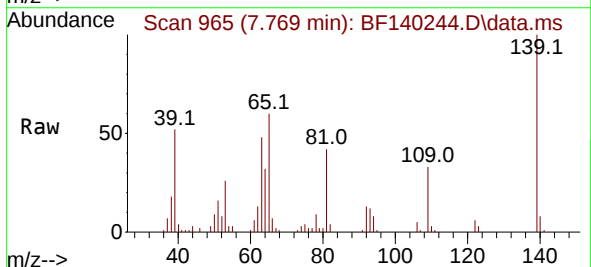
Tgt Ion: 82 Resp: 12260
Ion Ratio Lower Upper
82 100
95 7.9 6.0 9.0
138 16.8 12.9 19.3

Manual Integrations
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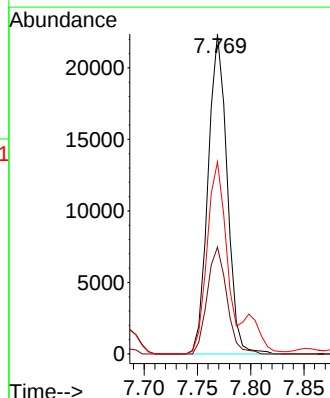
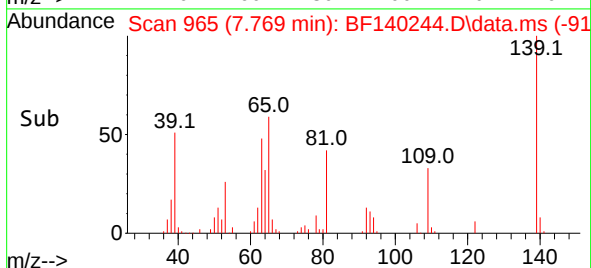
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

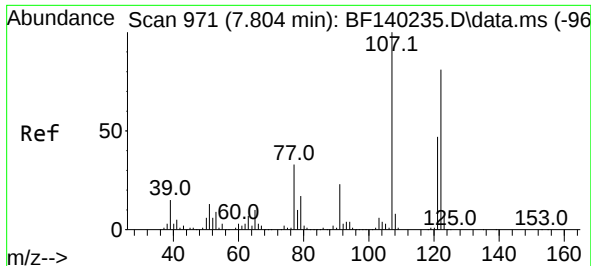


#26
2-Nitrophenol
Concen: 4.637 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22



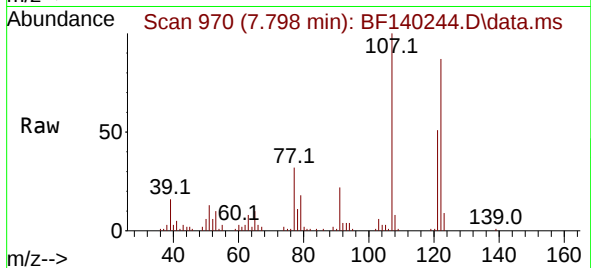
Tgt Ion:139 Resp: 27851
Ion Ratio Lower Upper
139 100
109 33.4 27.8 41.8
65 60.1 48.2 72.2





#27
2,4-Dimethylphenol
Concen: 3.821 ng
RT: 7.798 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

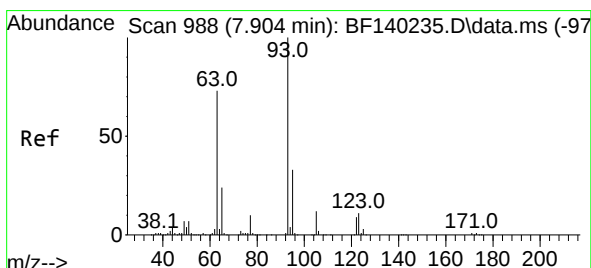
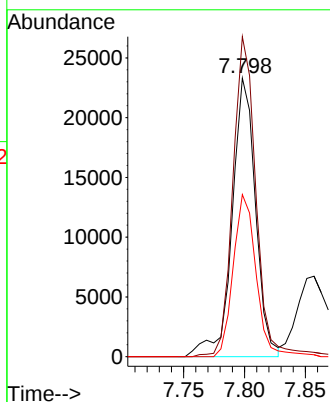
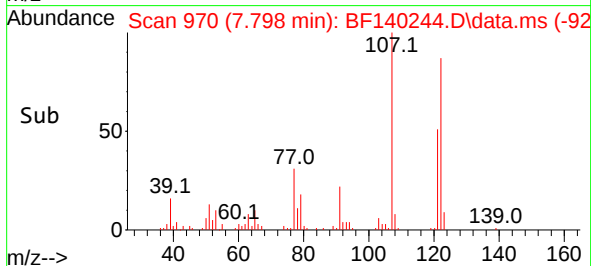
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



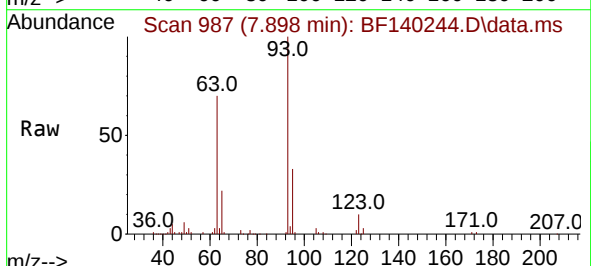
Tgt Ion:122 Resp: 3122
Ion Ratio Lower Upper
122 100
107 114.9 99.4 149.0
121 58.2 47.1 70.7

Manual Integrations
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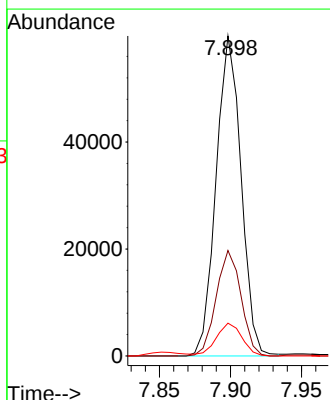
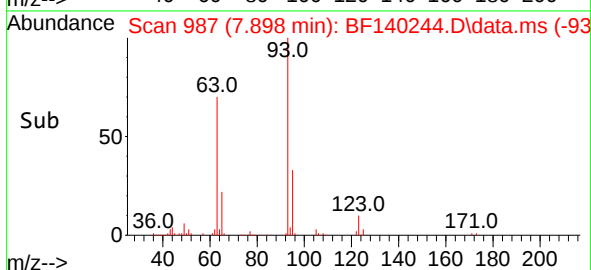
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

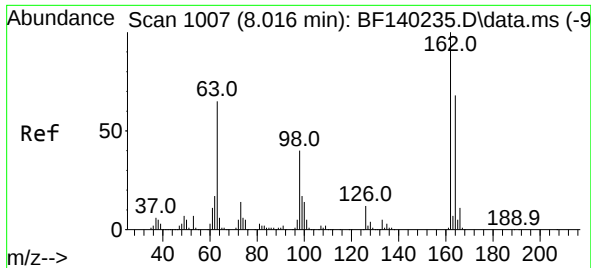


#28
bis(2-Chloroethoxy)methane
Concen: 4.928 ng
RT: 7.898 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22



Tgt Ion: 93 Resp: 73071
Ion Ratio Lower Upper
93 100
95 32.9 26.1 39.1
123 10.3 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 4.866 ng

RT: 8.004 min Scan# 1005

Delta R.T. -0.012 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

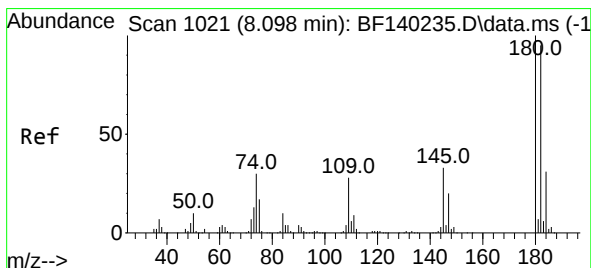
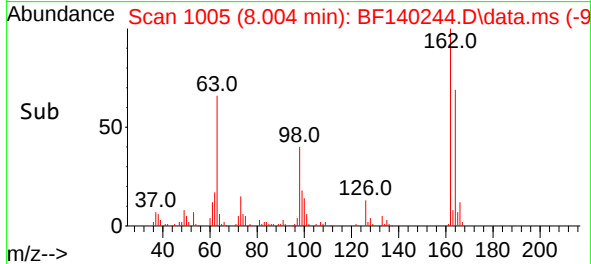
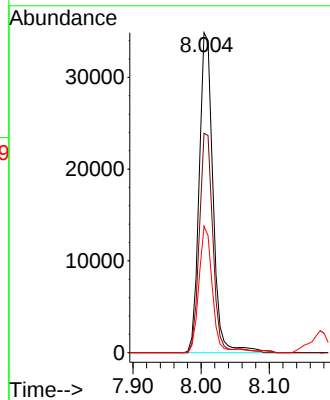
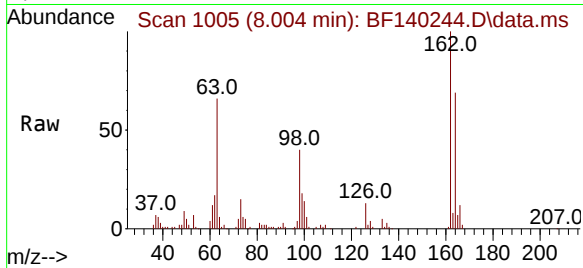
Tgt Ion:	162	Resp:	49180
Ion Ratio	Lower	Upper	
162	100		
164	68.5	47.5	87.5
98	39.5	19.5	59.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#30

1,2,4-Trichlorobenzene

Concen: 4.807 ng

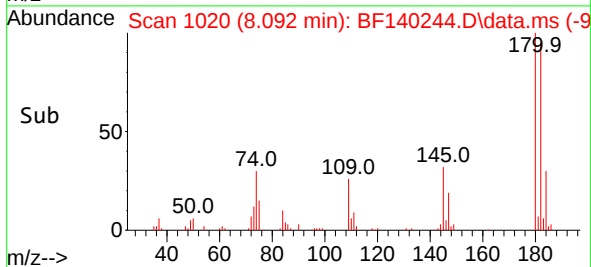
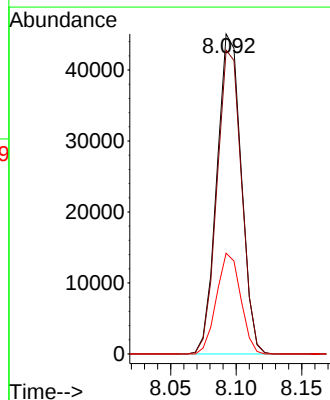
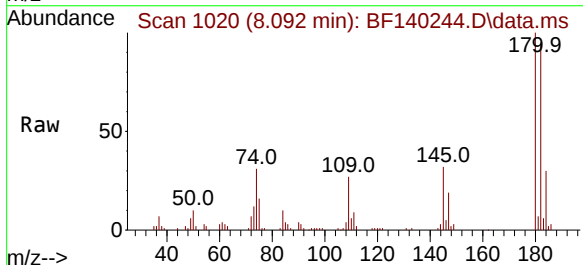
RT: 8.092 min Scan# 1020

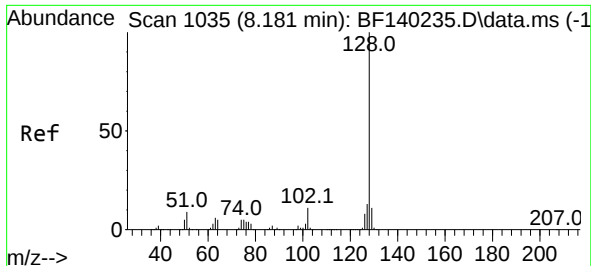
Delta R.T. -0.006 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

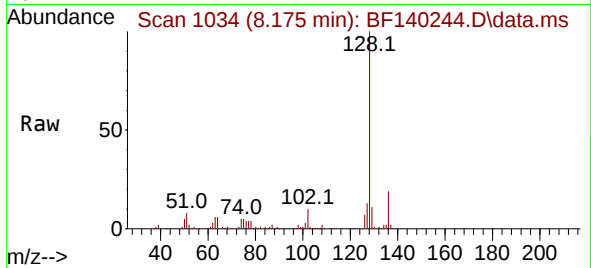
Tgt Ion:	180	Resp:	58222
Ion Ratio	Lower	Upper	
180	100		
182	95.0	75.9	113.9
145	31.5	26.1	39.1





#31
Naphthalene
Concen: 4.978 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

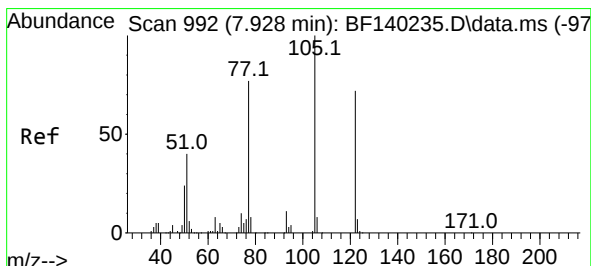
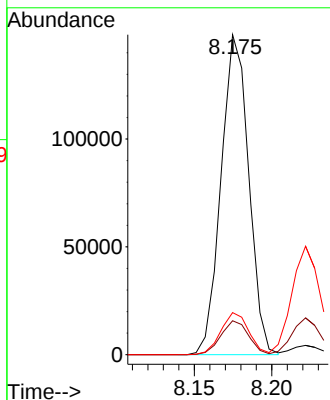
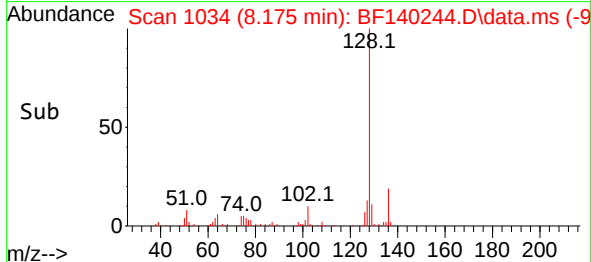
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:128 Resp: 183870
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.6
127 13.2 10.7 16.1

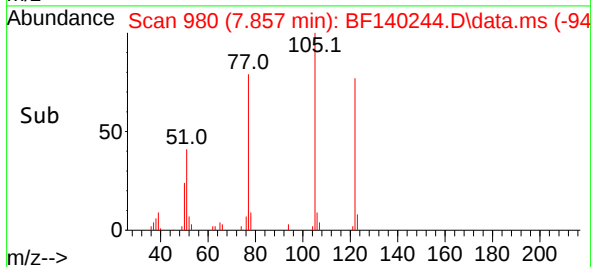
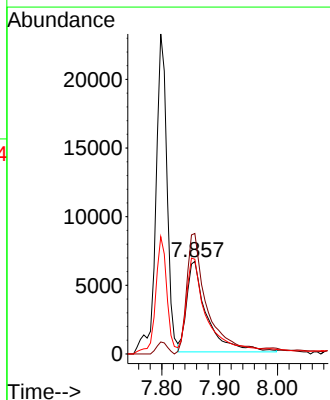
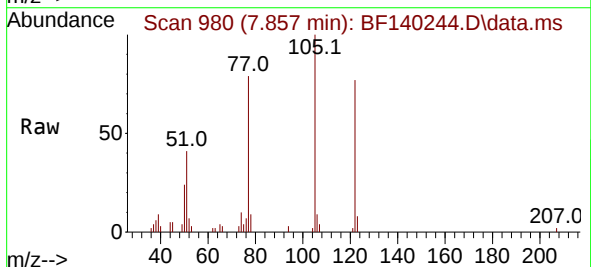
Manual Integrations
APPROVED

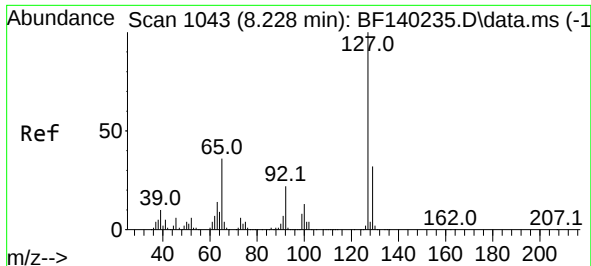
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#32
Benzoic acid
Concen: 2.384 ng m
RT: 7.857 min Scan# 980
Delta R.T. -0.071 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

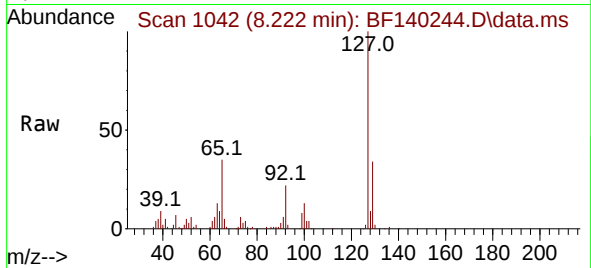
Tgt Ion:122 Resp: 15982
Ion Ratio Lower Upper
122 100
105 130.3 112.6 152.6
77 102.4 84.3 124.3





#33
4-Chloroaniline
Concen: 5.480 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

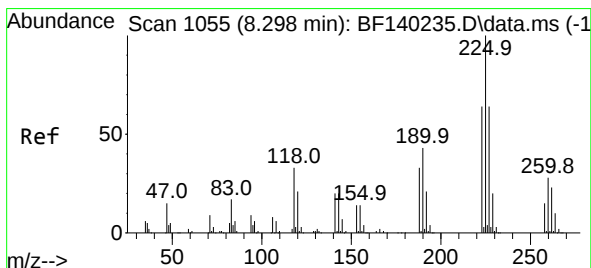
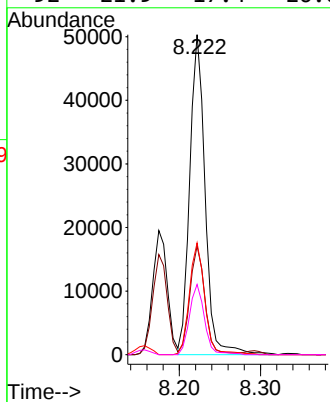
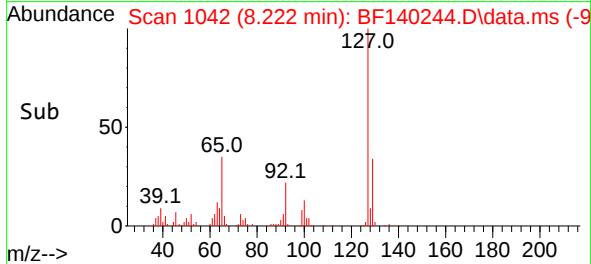
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion:	127	Resp:	66640
Ion Ratio	Lower	Upper	
127	100		
129	33.9	25.8	38.6
65	34.9	29.0	43.6
92	21.9	17.4	26.0

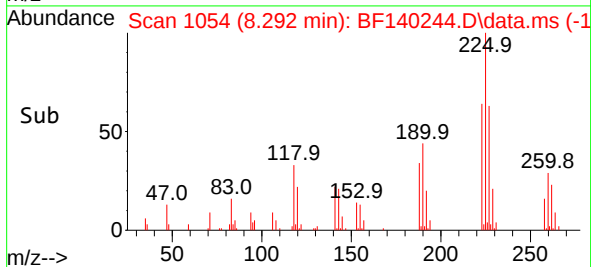
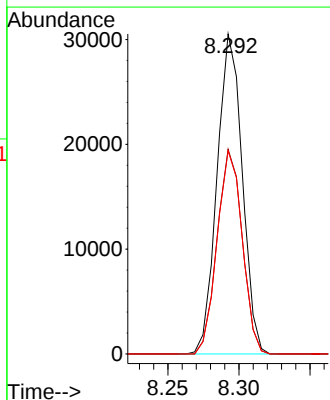
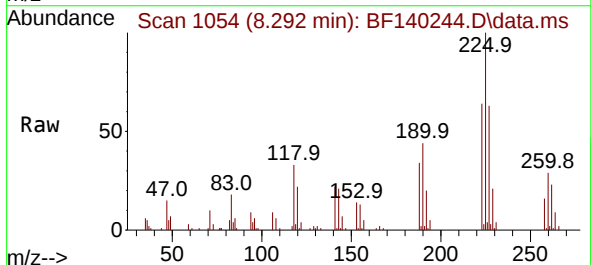
Manual Integrations
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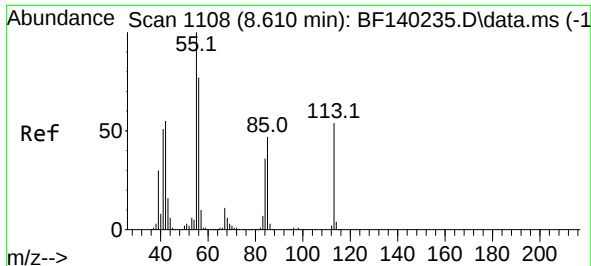
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#34
Hexachlorobutadiene
Concen: 4.580 ng
RT: 8.292 min Scan# 1054
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

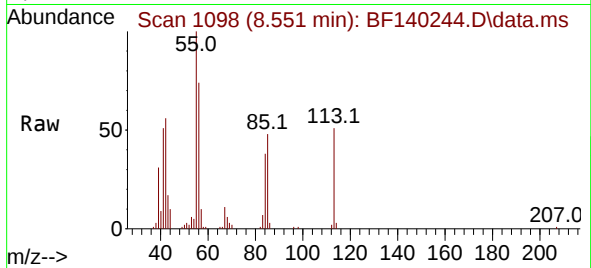
Tgt Ion:	225	Resp:	37552
Ion Ratio	Lower	Upper	
225	100		
223	63.9	50.8	76.2
227	63.5	51.0	76.6





#35
Caprolactam
Concen: 4.661 ng
RT: 8.551 min Scan# 1098
Delta R.T. -0.059 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

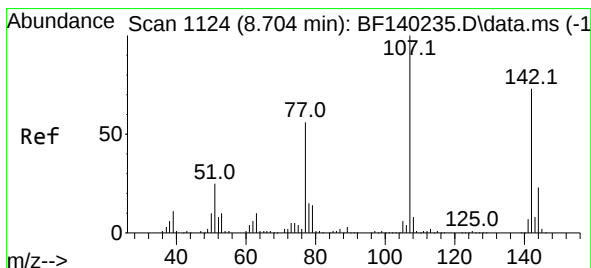
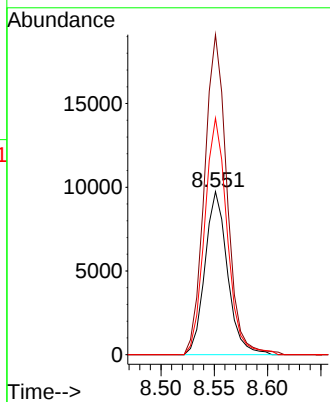
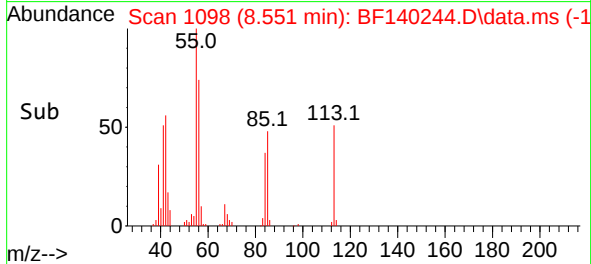
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:113 Resp: 1433
Ion Ratio Lower Upper
113 100
55 196.2 165.2 205.2
56 145.0 122.1 162.1

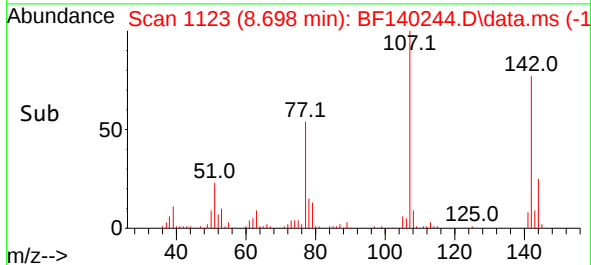
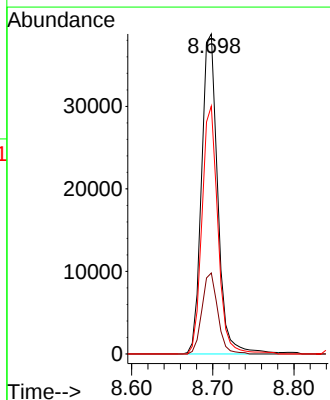
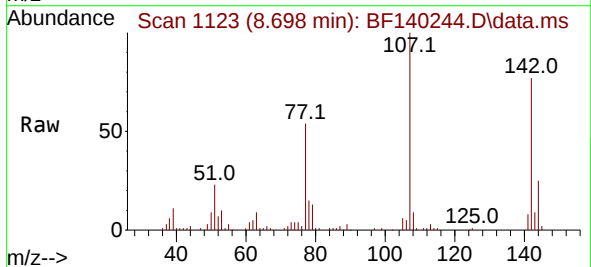
Manual Integrations
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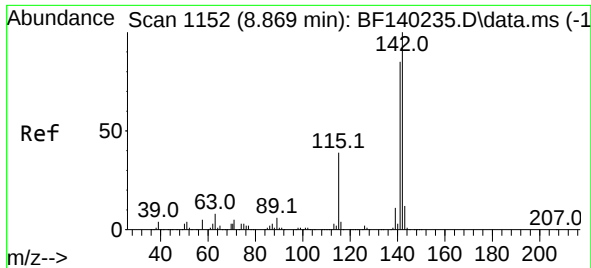
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#36
4-Chloro-3-methylphenol
Concen: 4.772 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

Tgt Ion:107 Resp: 53701
Ion Ratio Lower Upper
107 100
144 25.3 18.6 27.8
142 77.4 58.1 87.1





#37

2-Methylnaphthalene

Concen: 5.153 ng

RT: 8.863 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BF140244.D

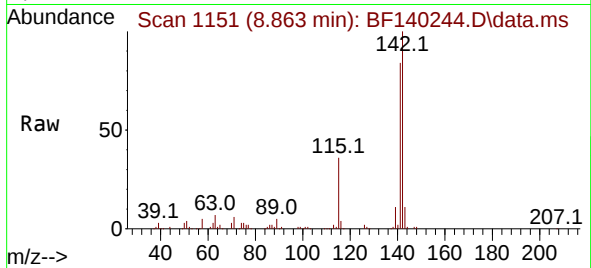
Acq: 05 Nov 2024 18:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:142 Resp: 124230

Ion Ratio Lower Upper

142 100

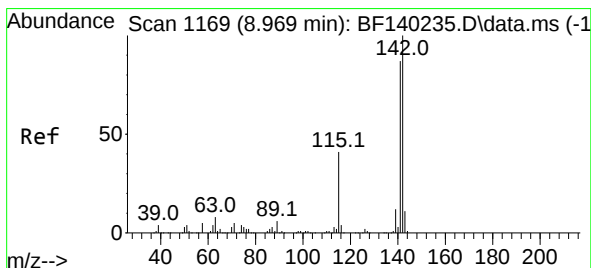
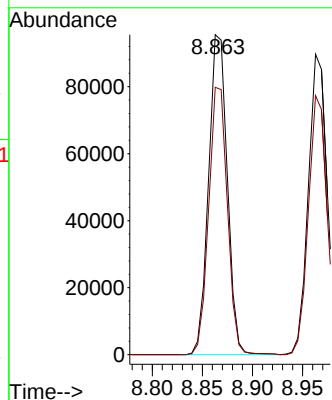
141 83.6 67.8 101.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#38

1-Methylnaphthalene

Concen: 4.894 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF140244.D

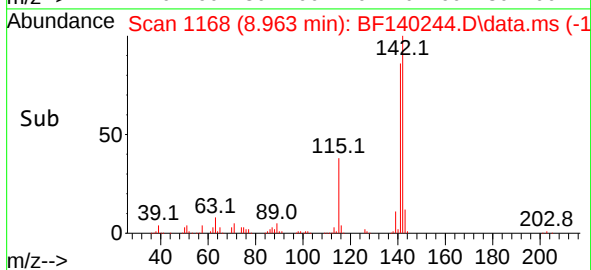
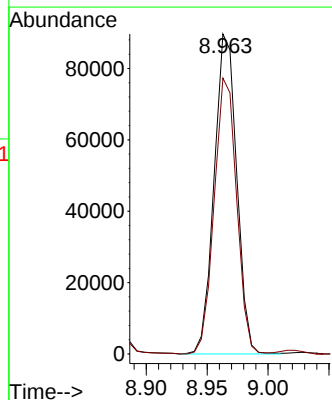
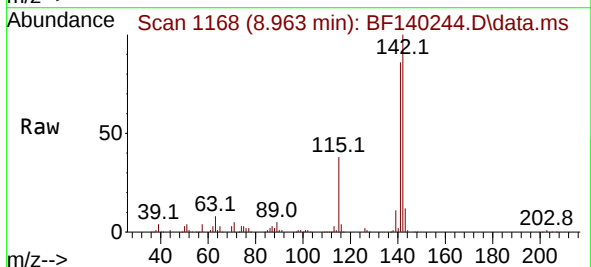
Acq: 05 Nov 2024 18:22

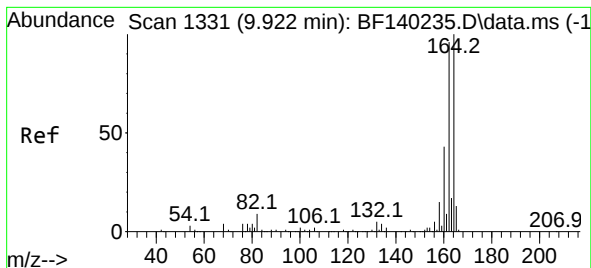
Tgt Ion:142 Resp: 115643

Ion Ratio Lower Upper

142 100

141 86.2 69.7 104.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF140244.D

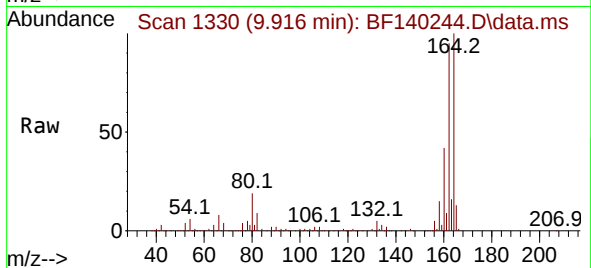
Acq: 05 Nov 2024 18:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:164 Resp: 432149

Ion Ratio Lower Upper

164 100

162 95.2 77.0 115.4

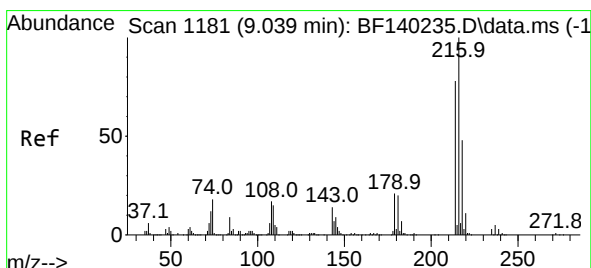
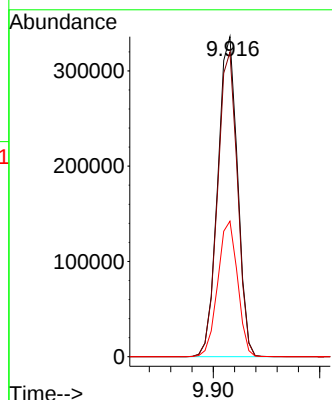
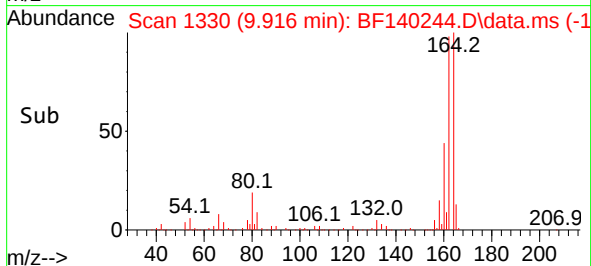
160 42.4 34.1 51.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.007 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

Tgt Ion:216 Resp: 63340

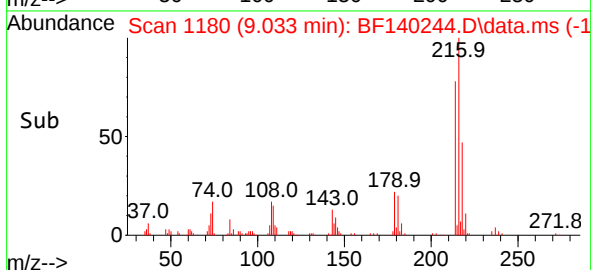
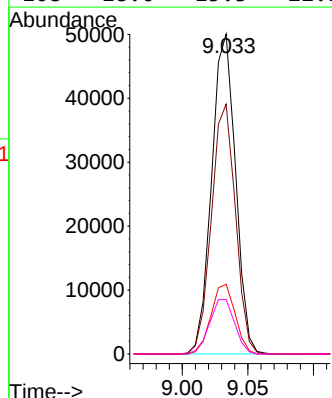
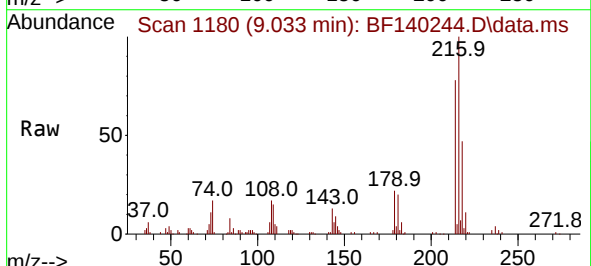
Ion Ratio Lower Upper

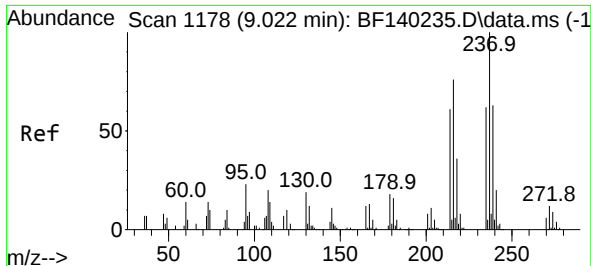
216 100

214 78.5 62.8 94.2

179 22.0 17.3 25.9

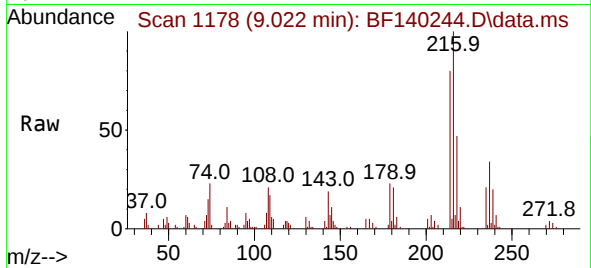
108 18.0 15.3 22.9





#41
Hexachlorocyclopentadiene
Concen: 3.043 ng
RT: 9.022 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

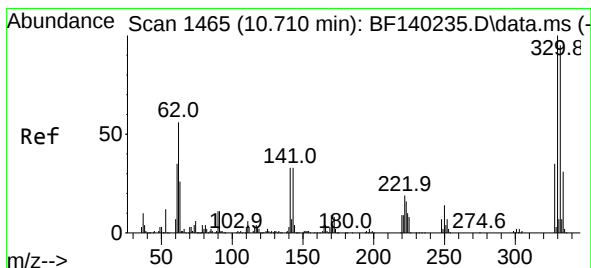
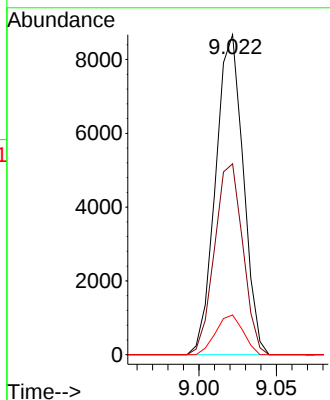
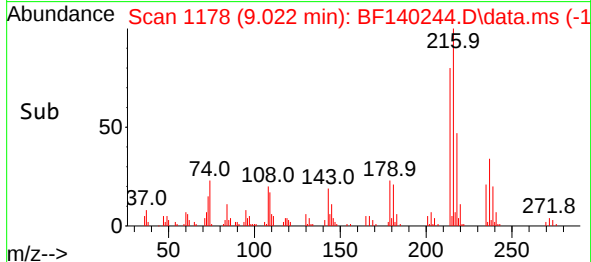
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



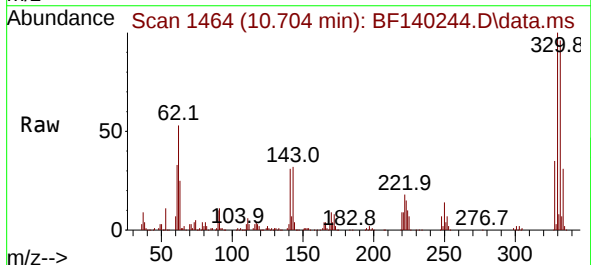
Tgt Ion:237 Resp: 10788
Ion Ratio Lower Upper
237 100
235 59.7 41.8 81.8
272 12.4 0.0 31.8

Manual Integrations
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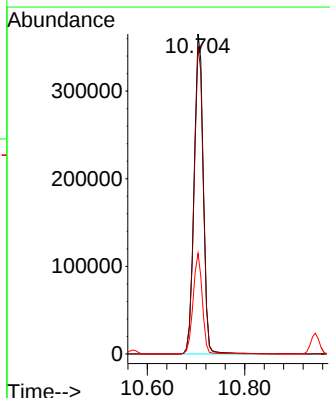
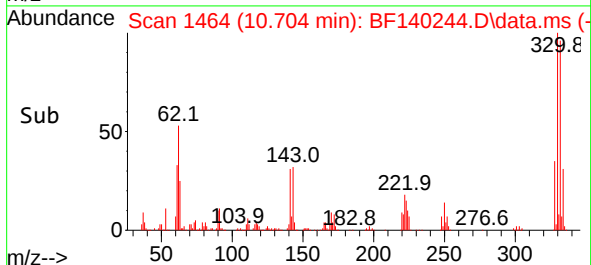
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

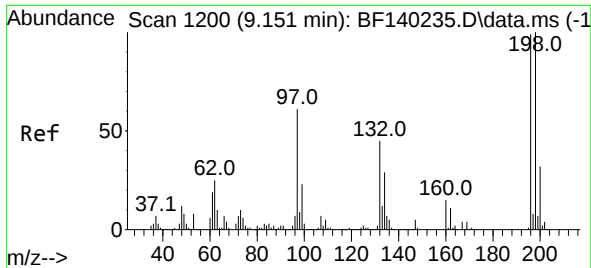


#42
2,4,6-Tribromophenol
Concen: 113.160 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22



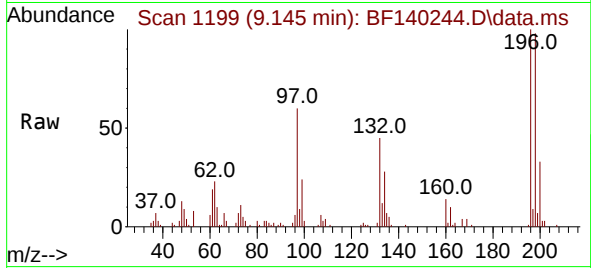
Tgt Ion:330 Resp: 483372
Ion Ratio Lower Upper
330 100
332 96.1 76.4 114.6
141 31.1 27.0 40.4





#43
2,4,6-Trichlorophenol
Concen: 4.551 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

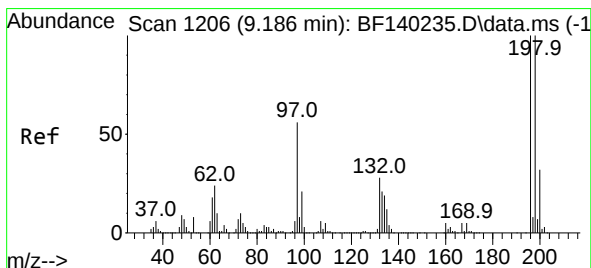
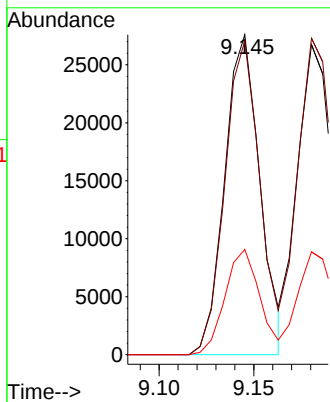
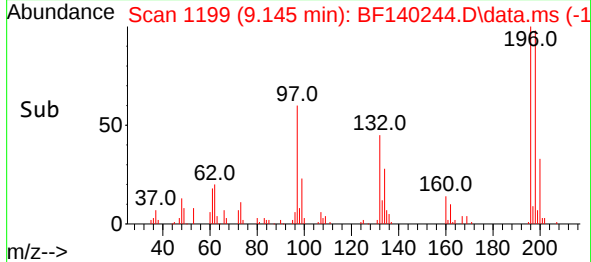
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:196 Resp: 3568
Ion Ratio Lower Upper
196 100
198 98.2 80.8 121.2
200 32.9 26.0 39.0

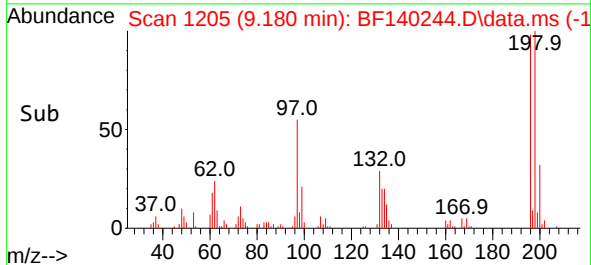
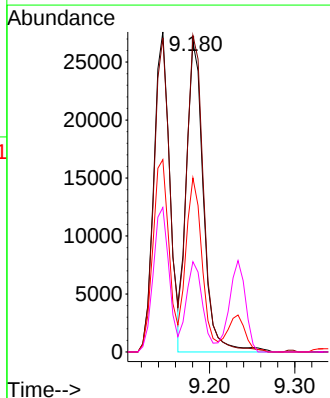
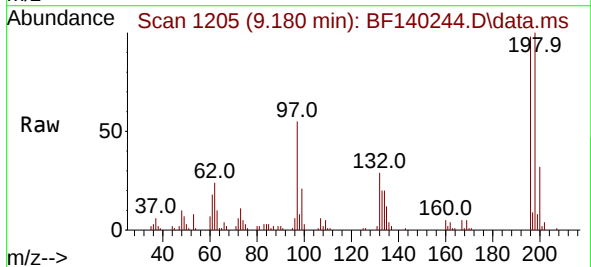
Manual Integrations
APPROVED

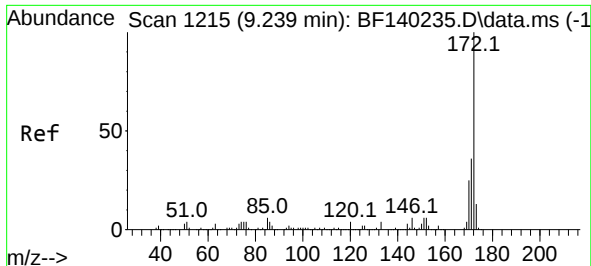
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#44
2,4,5-Trichlorophenol
Concen: 4.524 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

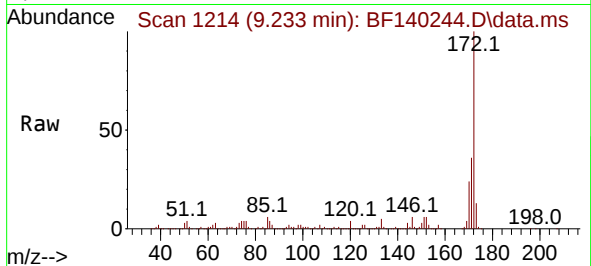
Tgt Ion:196 Resp: 37290
Ion Ratio Lower Upper
196 100
198 102.1 80.0 120.0
97 56.1 45.7 68.5
132 29.1 23.0 34.6





#45
2-Fluorobiphenyl
Concen: 73.935 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

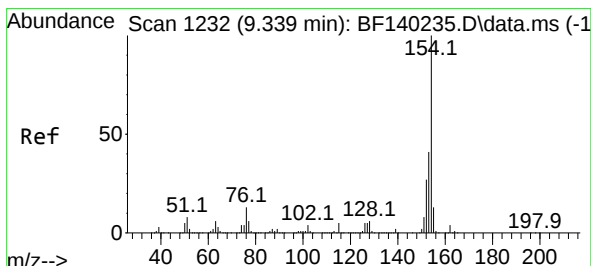
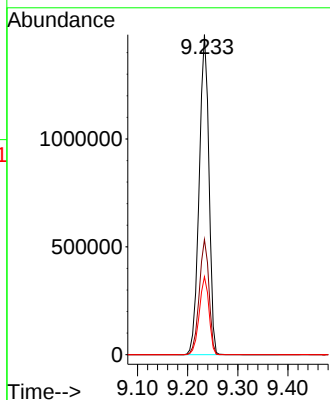
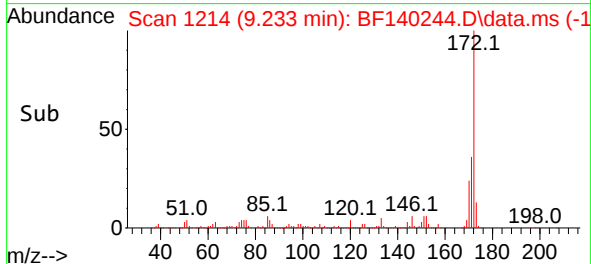
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2024



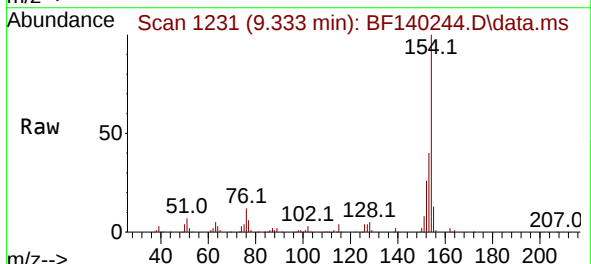
Tgt Ion:172 Resp: 2000930
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 24.3 19.6 29.4

Manual Integrations
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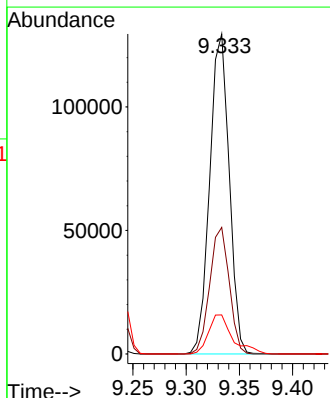
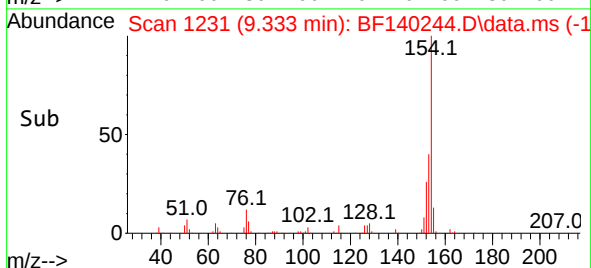
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

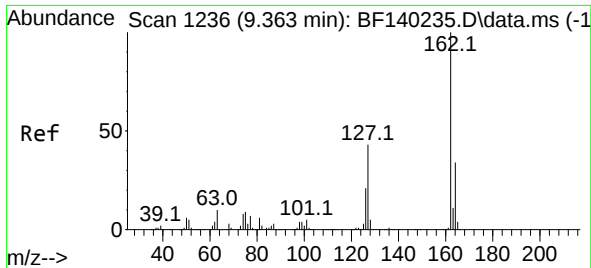


#46
1,1'-Biphenyl
Concen: 5.279 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22



Tgt Ion:154 Resp: 164910
Ion Ratio Lower Upper
154 100
153 39.5 20.8 60.8
76 12.2 0.0 32.6





#47

2-Chloronaphthalene

Concen: 4.828 ng

RT: 9.357 min Scan# 113509

Delta R.T. -0.006 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

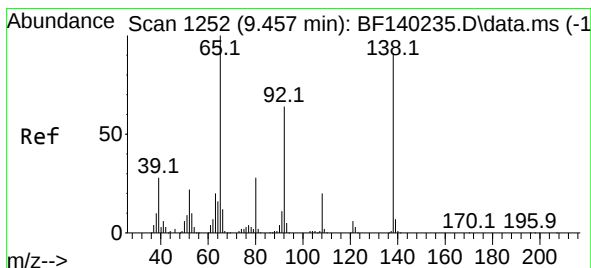
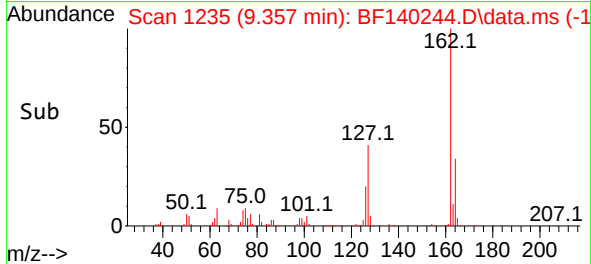
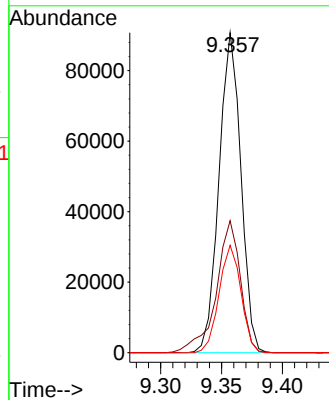
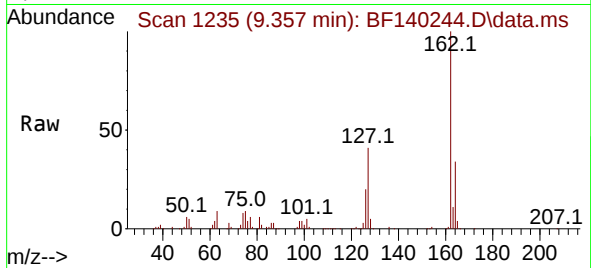
Tgt Ion:	162	Resp:	113509
Ion Ratio	Lower	Upper	
162	100		
127	41.3	34.8	52.2
164	33.5	27.3	40.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#48

2-Nitroaniline

Concen: 4.422 ng

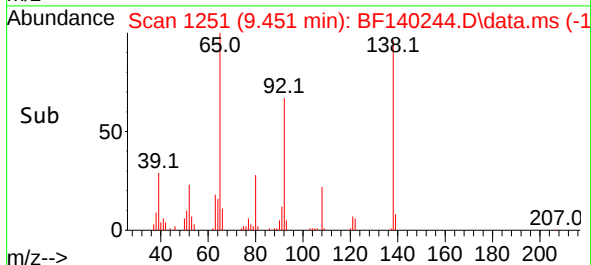
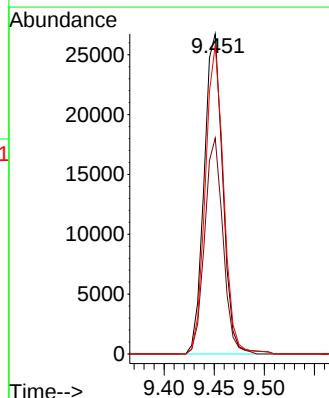
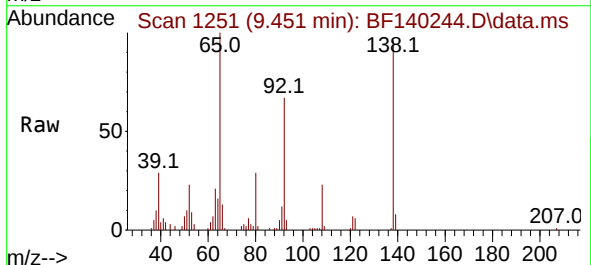
RT: 9.451 min Scan# 1251

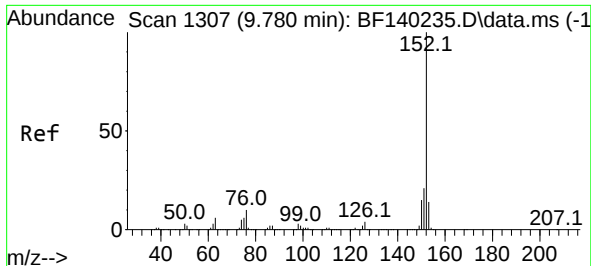
Delta R.T. -0.006 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

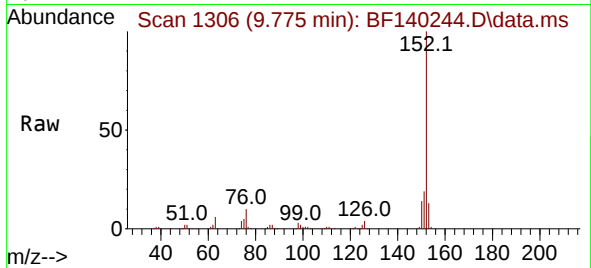
Tgt Ion:	65	Resp:	34770
Ion Ratio	Lower	Upper	
65	100		
92	67.5	51.6	77.4
138	96.5	73.0	109.6





#49
Acenaphthylene
Concen: 5.490 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

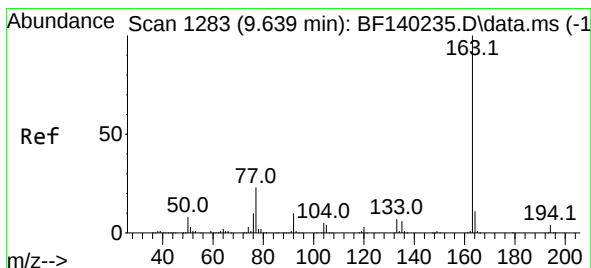
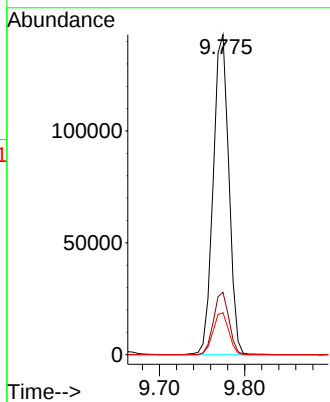
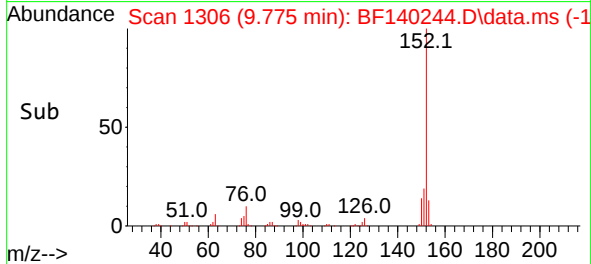
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:152 Resp: 182748
Ion Ratio Lower Upper
152 100
151 19.5 16.4 24.6
153 13.1 11.1 16.7

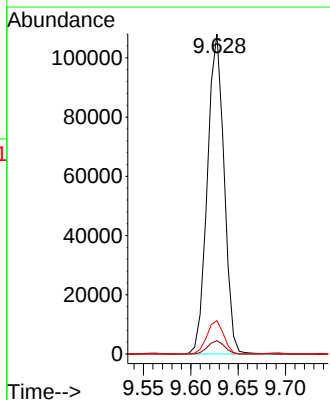
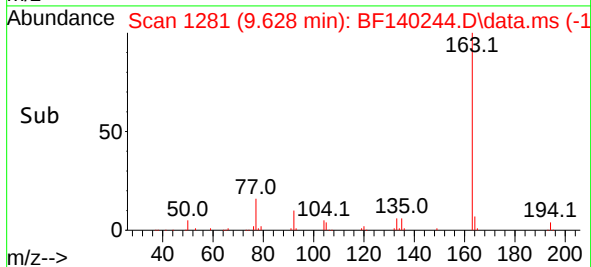
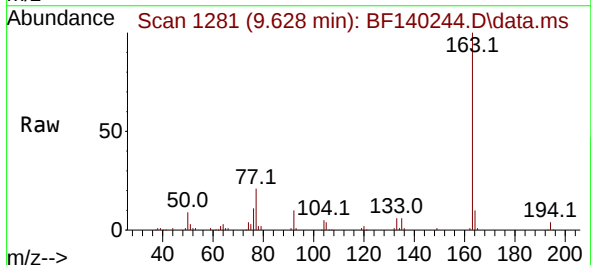
Manual Integrations
APPROVED

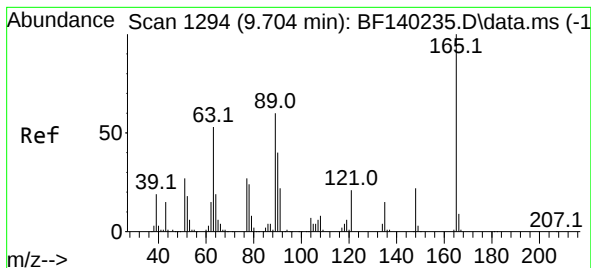
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#50
Dimethylphthalate
Concen: 4.970 ng
RT: 9.628 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

Tgt Ion:163 Resp: 132283
Ion Ratio Lower Upper
163 100
194 4.2 3.2 4.8
164 10.4 8.6 13.0





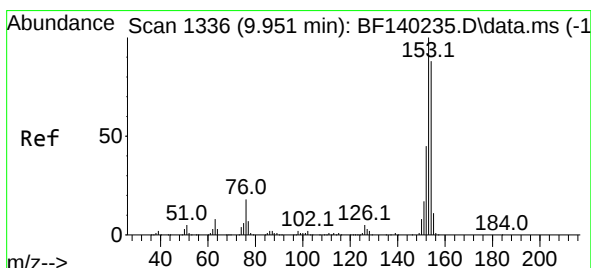
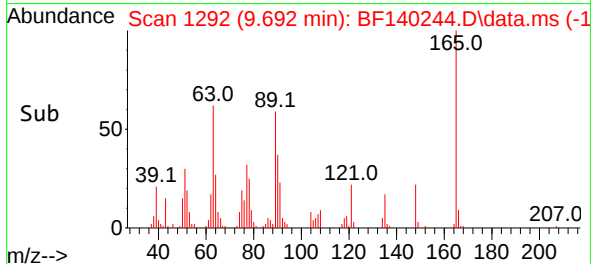
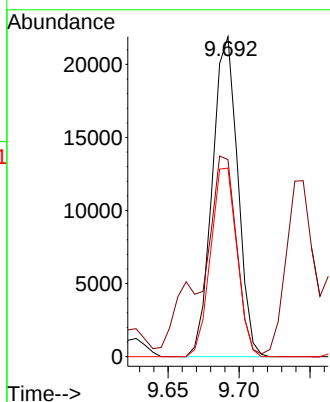
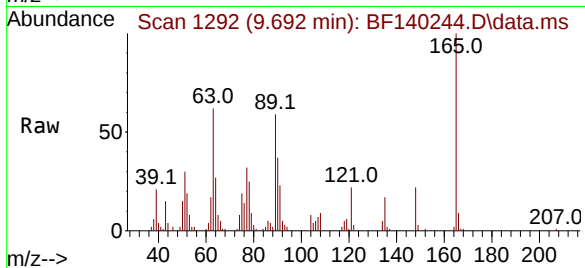
#51
2,6-Dinitrotoluene
Concen: 4.365 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:165 Resp: 2730
Ion Ratio Lower Upper
165 100
63 61.6 48.8 73.2
89 58.9 48.1 72.1

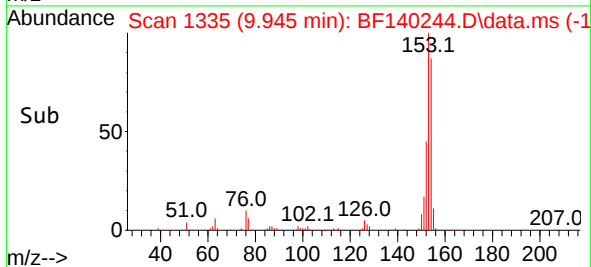
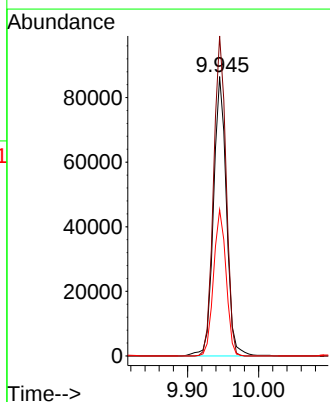
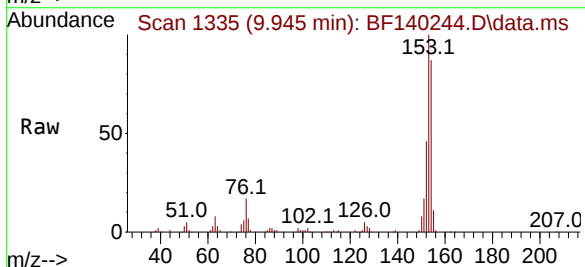
Manual Integrations
APPROVED

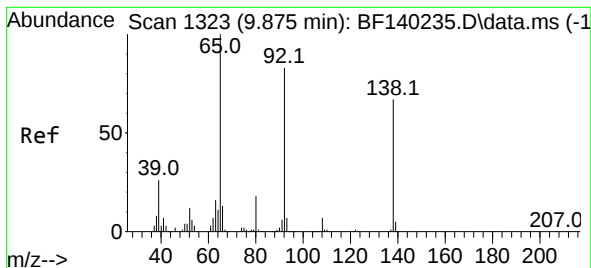
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#52
Acenaphthene
Concen: 4.640 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

Tgt Ion:154 Resp: 109533
Ion Ratio Lower Upper
154 100
153 114.5 91.3 136.9
152 52.3 41.4 62.2





#53

3-Nitroaniline

Concen: 4.815 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

Instrument :

BNA_F

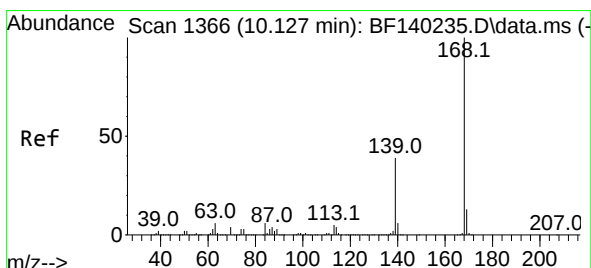
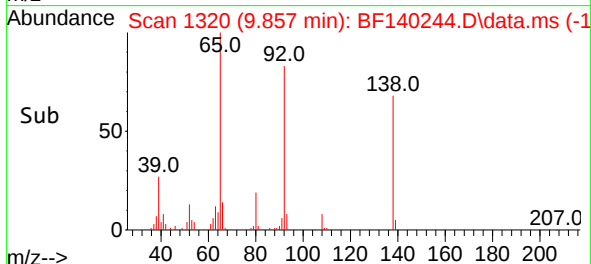
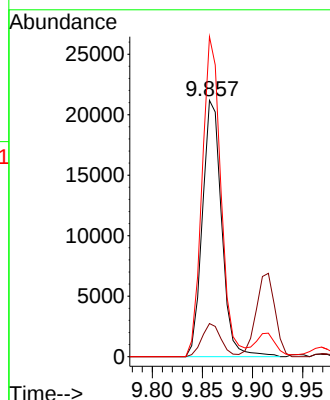
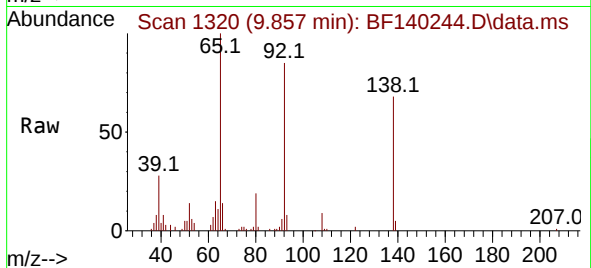
ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:138	Resp:	2836
Ion Ratio	Lower	Upper
138	100	
108	12.9	8.8 13.2
92	124.8	100.0 150.0

Manual Integrations
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Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#55

Dibenzofuran

Concen: 5.188 ng

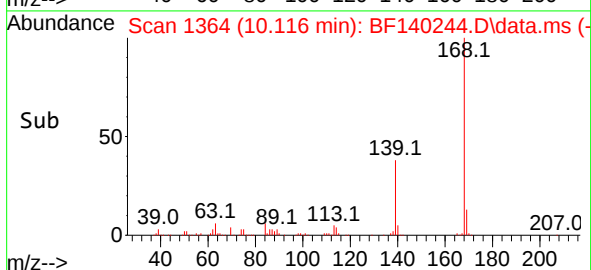
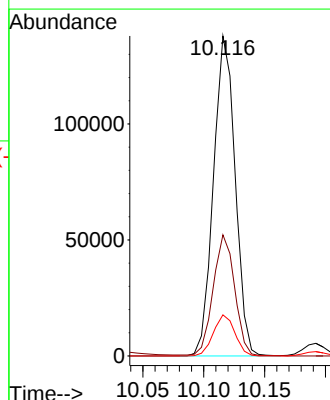
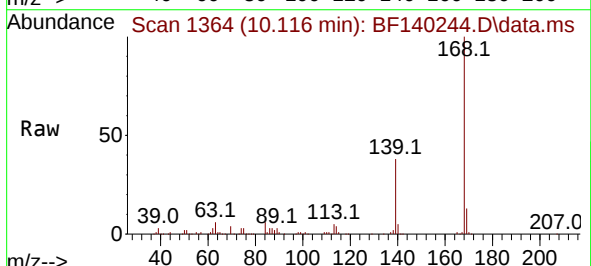
RT: 10.116 min Scan# 1364

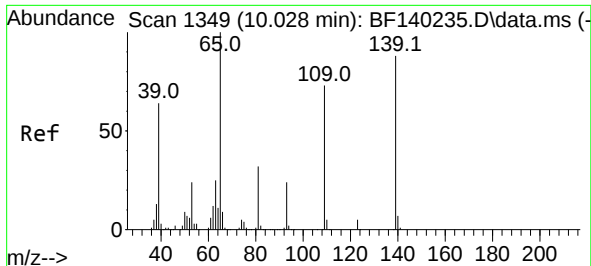
Delta R.T. -0.011 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

Tgt Ion:168	Resp:	171266
Ion Ratio	Lower	Upper
168	100	
139	37.8	31.5 47.3
169	12.9	10.6 15.8





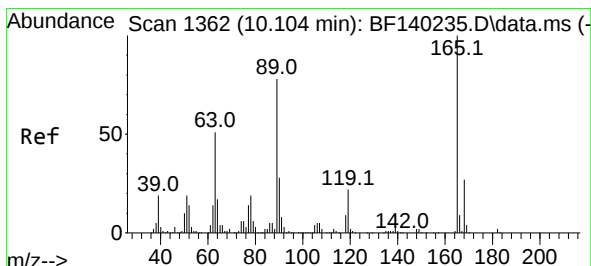
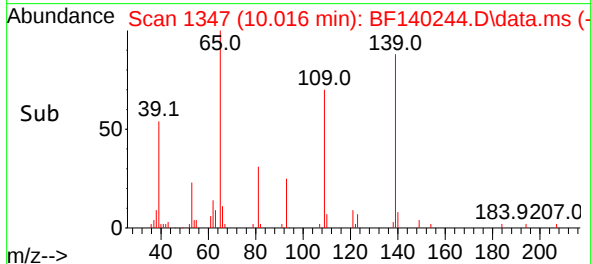
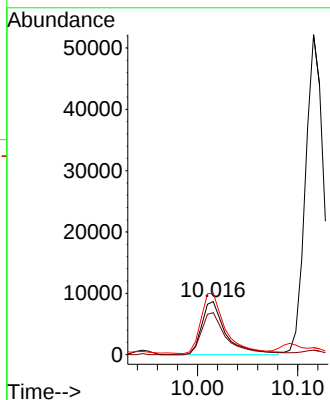
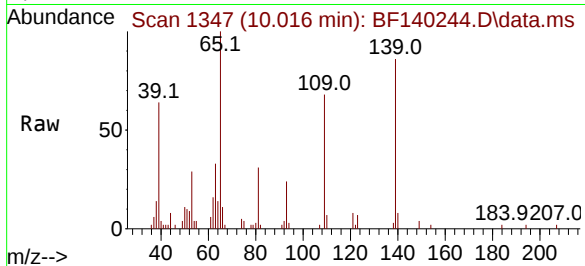
#56
4-Nitrophenol
Concen: 3.534 ng
RT: 10.016 min Scan# 1347
Delta R.T. -0.012 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:139 Resp: 14638
Ion Ratio Lower Upper
139 100
109 79.1 63.8 103.8
65 115.9 94.7 134.7

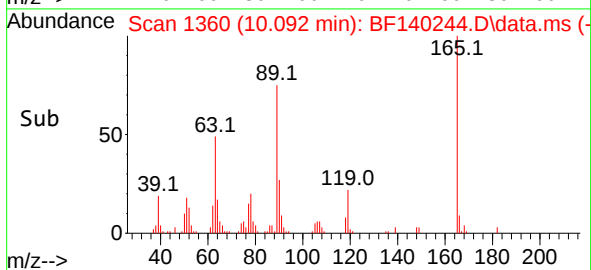
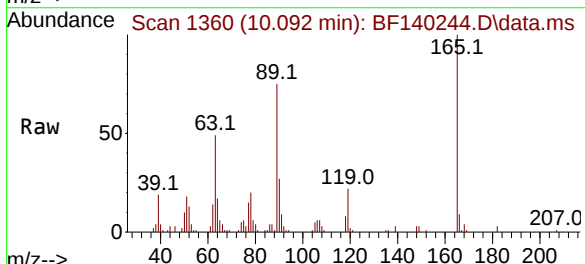
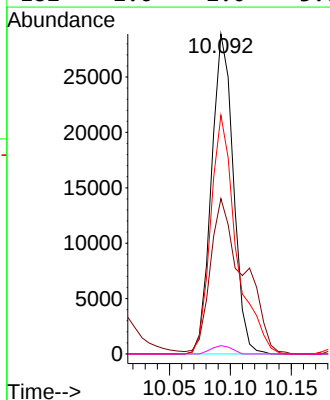
Manual Integrations
APPROVED

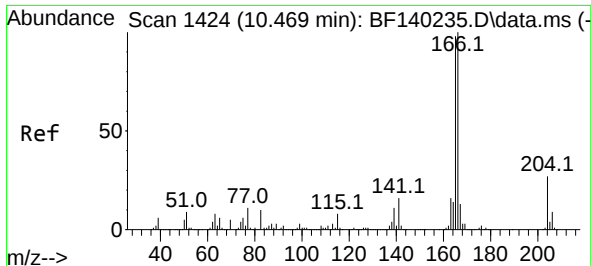
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#57
2,4-Dinitrotoluene
Concen: 4.442 ng
RT: 10.092 min Scan# 1360
Delta R.T. -0.012 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

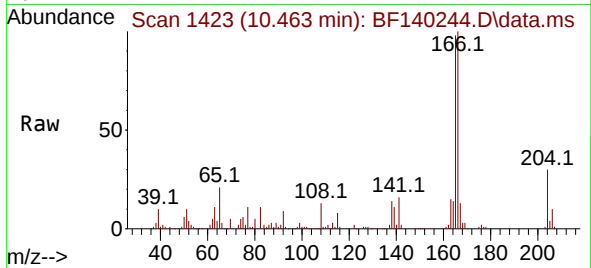
Tgt Ion:165 Resp: 36058
Ion Ratio Lower Upper
165 100
63 48.6 41.3 61.9
89 74.6 62.6 94.0
182 2.6 2.0 3.0





#58
Fluorene
Concen: 5.089 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

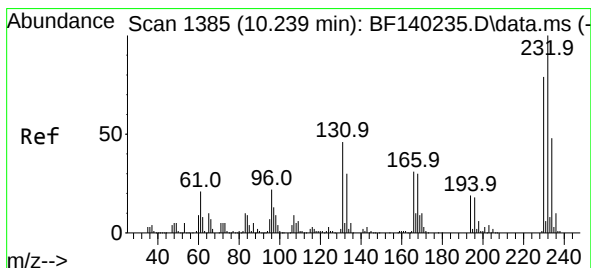
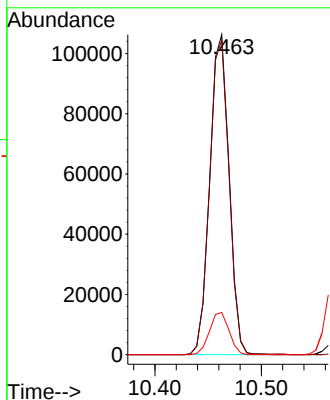
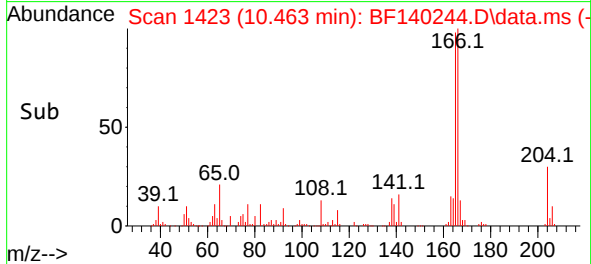
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion:166 Resp: 13372
Ion Ratio Lower Upper
166 100
165 98.4 78.7 118.1
167 13.2 10.8 16.2

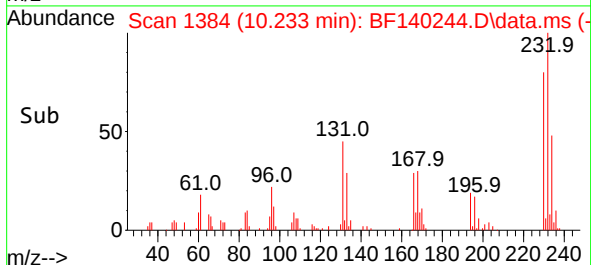
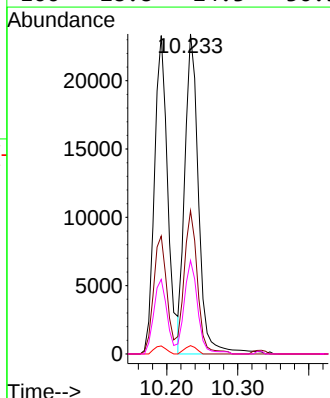
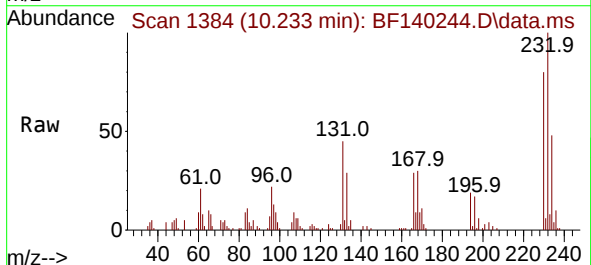
Manual Integrations
APPROVED

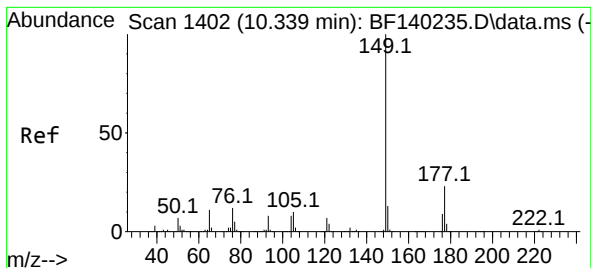
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#59
2,3,4,6-Tetrachlorophenol
Concen: 4.659 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

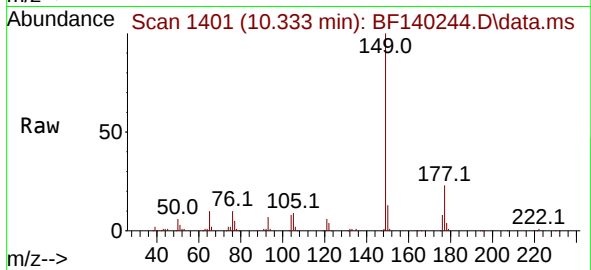
Tgt Ion:232 Resp: 31458
Ion Ratio Lower Upper
232 100
131 43.9 37.2 55.8
130 2.2 1.8 2.8
166 28.8 24.3 36.5





#60
Diethylphthalate
Concen: 4.958 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

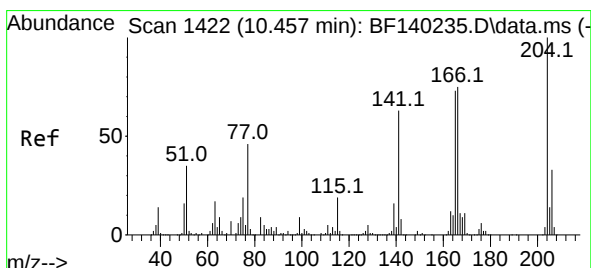
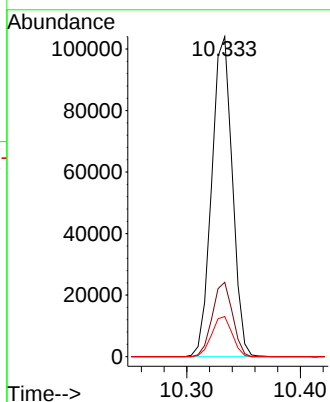
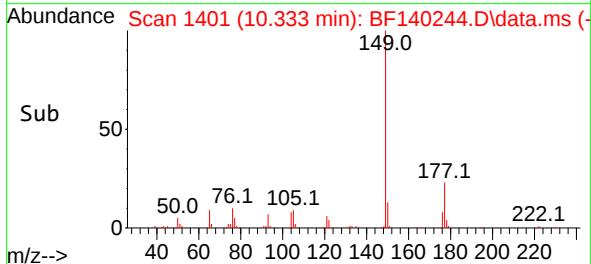
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:149 Resp: 13112
Ion Ratio Lower Upper
149 100
177 23.3 18.1 27.1
150 12.6 10.2 15.4

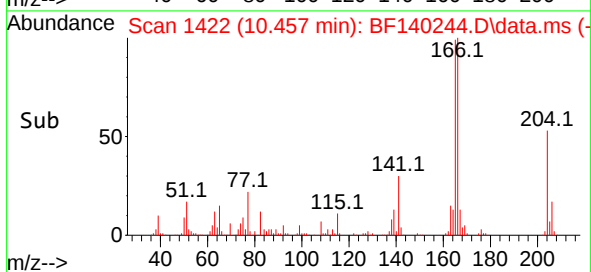
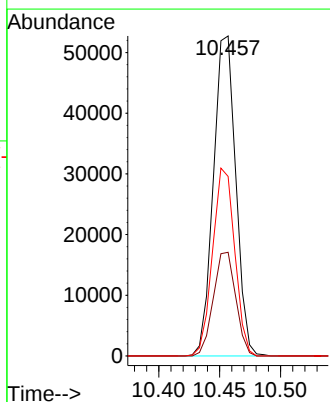
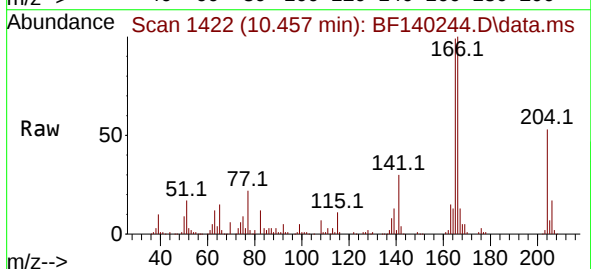
Manual Integrations
APPROVED

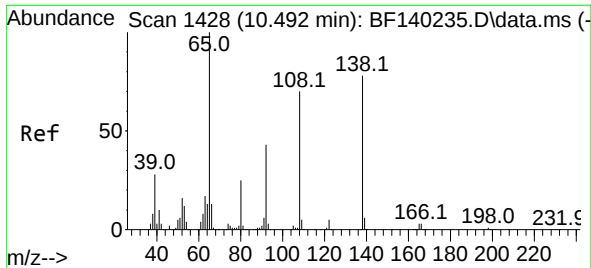
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#61
4-Chlorophenyl-phenylether
Concen: 5.094 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

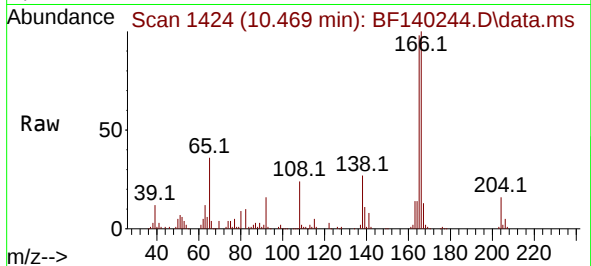
Tgt Ion:204 Resp: 67462
Ion Ratio Lower Upper
204 100
206 32.4 26.2 39.4
141 56.1 50.3 75.5





#62
4-Nitroaniline
Concen: 4.337 ng
RT: 10.469 min Scan# 1428
Delta R.T. -0.024 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

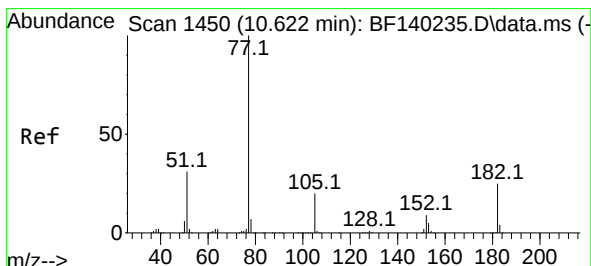
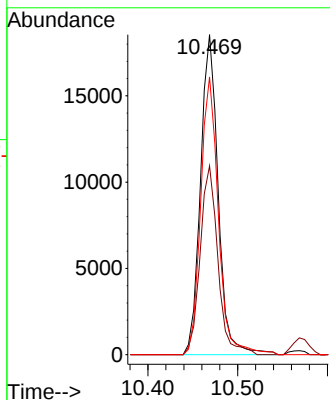
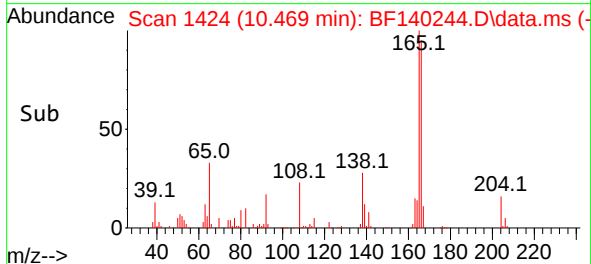
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:138 Resp: 25380
Ion Ratio Lower Upper
138 100
92 59.0 35.3 75.3
108 86.8 70.1 110.1

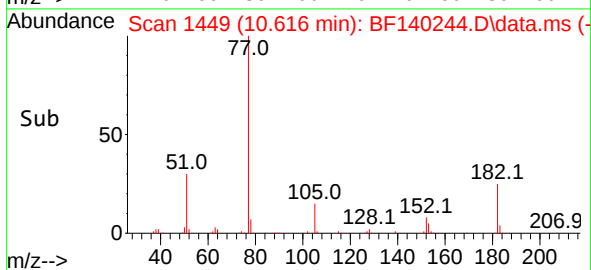
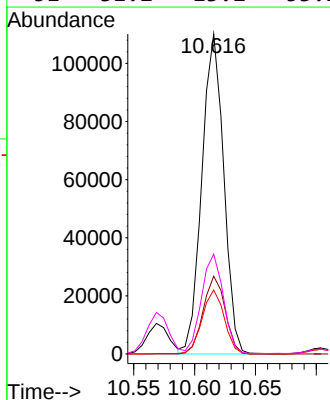
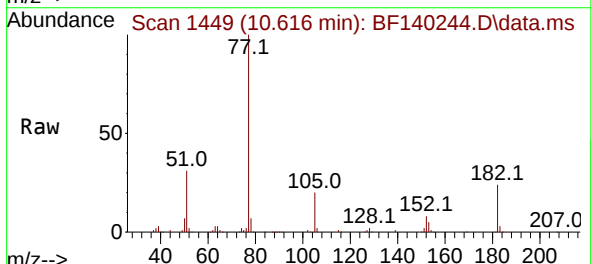
Manual Integrations
APPROVED

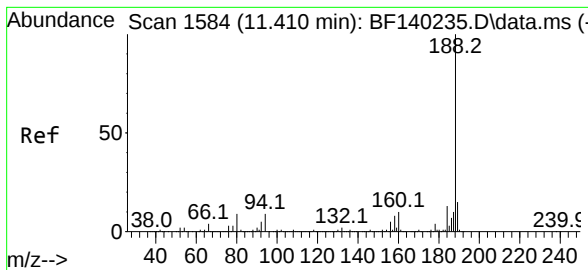
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#63
Azobenzene
Concen: 5.023 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

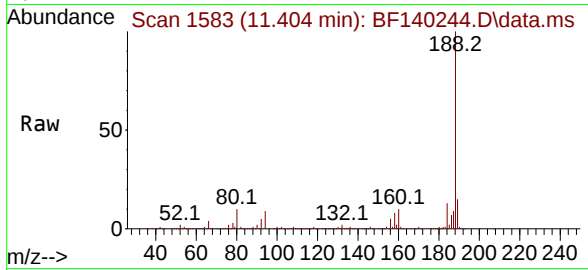
Tgt Ion: 77 Resp: 137706
Ion Ratio Lower Upper
77 100
182 24.3 4.7 44.7
105 20.0 0.0 40.0
51 31.2 13.2 53.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

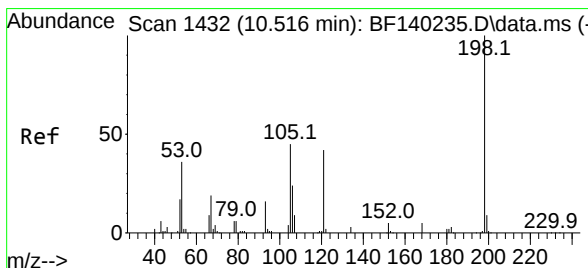
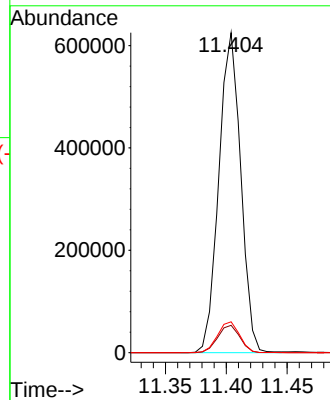
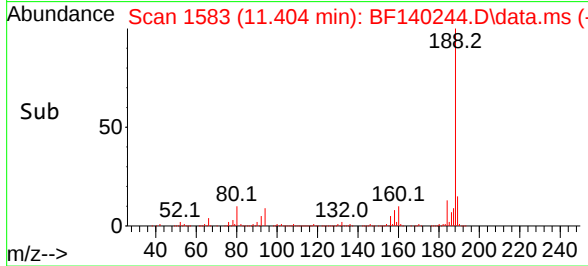
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:188 Resp: 78239
Ion Ratio Lower Upper
188 100
94 8.6 6.9 10.3
80 9.6 7.5 11.3

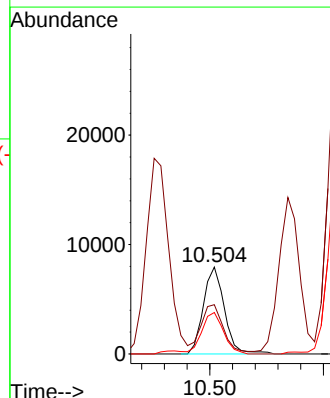
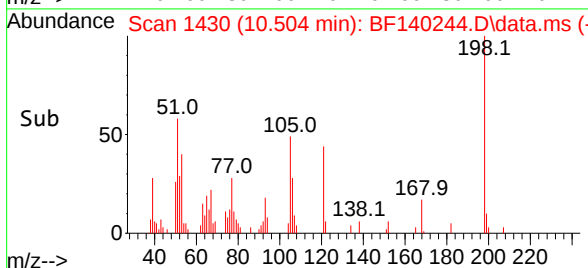
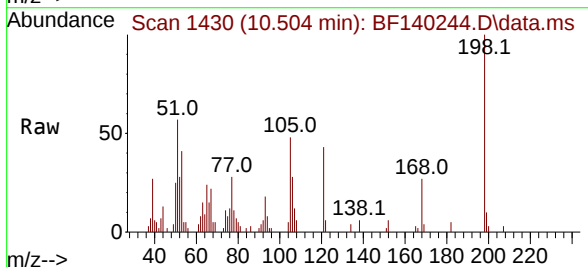
Manual Integrations
APPROVED

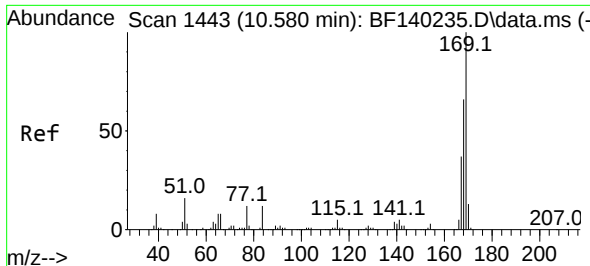
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#65
4,6-Dinitro-2-methylphenol
Concen: 2.481 ng
RT: 10.504 min Scan# 1430
Delta R.T. -0.012 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

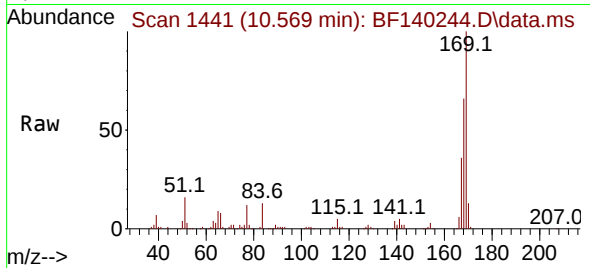
Tgt Ion:198 Resp: 10194
Ion Ratio Lower Upper
198 100
51 56.7 34.0 74.0
105 47.7 25.1 65.1





#66
n-Nitrosodiphenylamine
Concen: 5.031 ng
RT: 10.569 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

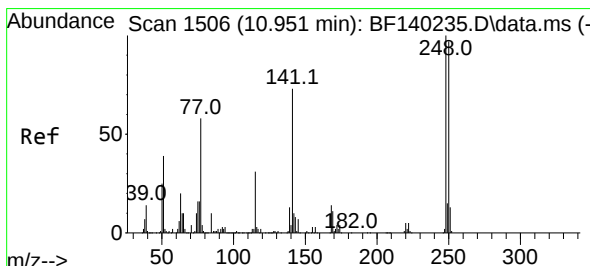
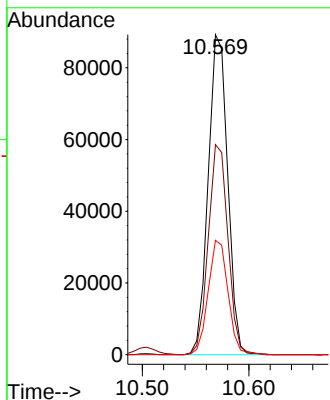
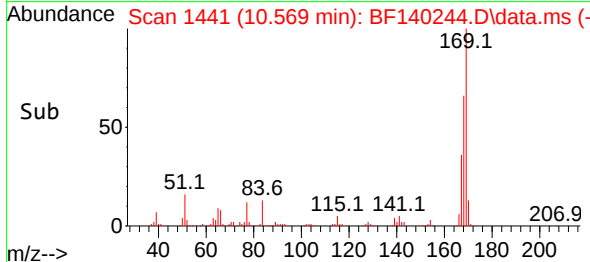
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:169 Resp: 113224
Ion Ratio Lower Upper
169 100
168 65.7 53.0 79.6
167 35.7 29.4 44.2

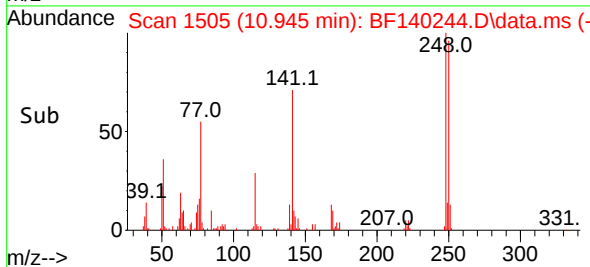
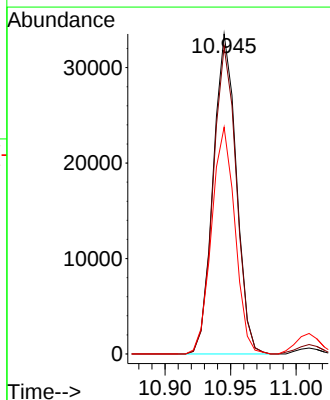
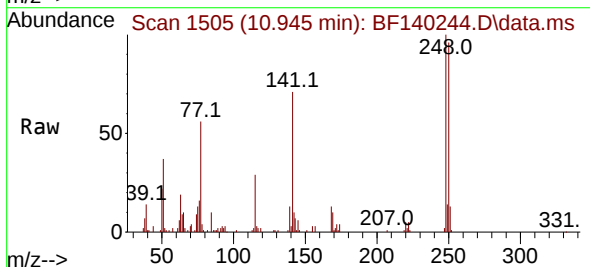
Manual Integrations
APPROVED

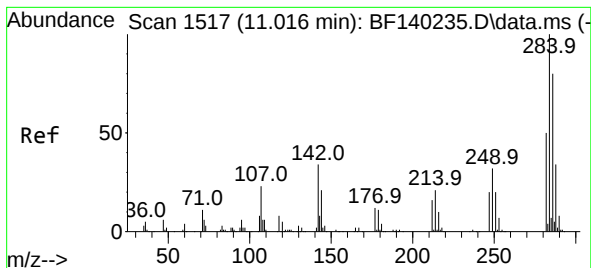
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#67
4-Bromophenyl-phenylether
Concen: 4.875 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

Tgt Ion:248 Resp: 41076
Ion Ratio Lower Upper
248 100
250 96.0 77.9 116.9
141 70.9 58.6 88.0





#68

Hexachlorobenzene

Concen: 4.775 ng

RT: 11.010 min Scan# 1517

Delta R.T. -0.006 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

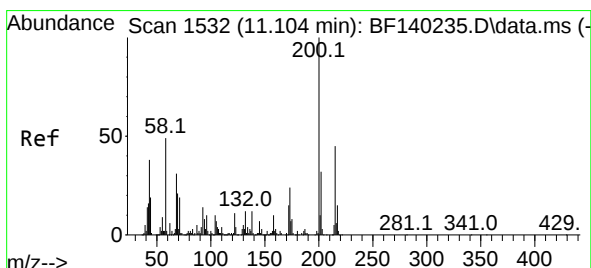
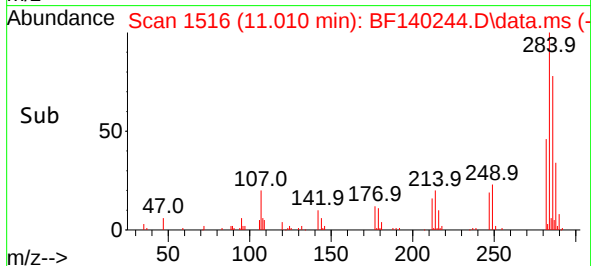
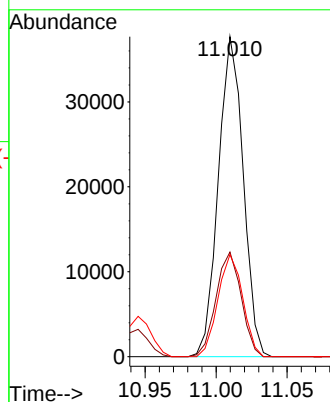
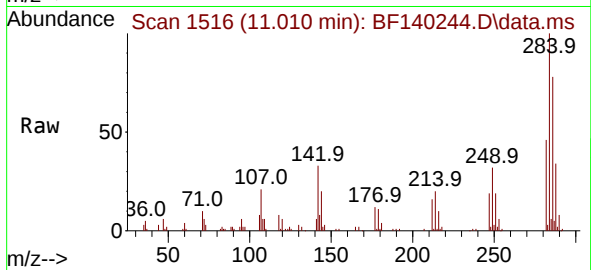
Tgt Ion:284	Resp:	4586
Ion Ratio	Lower	Upper
284	100	
142	32.7	27.5 41.3
249	31.9	26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#69

Atrazine

Concen: 6.334 ng

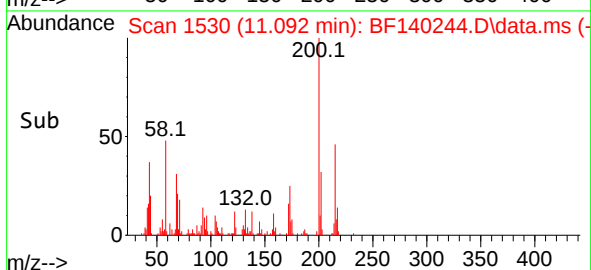
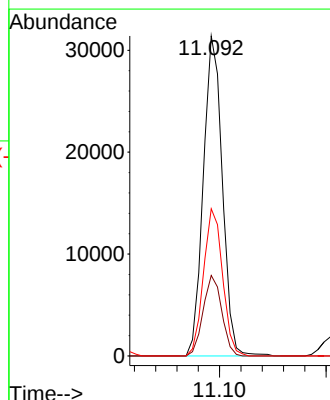
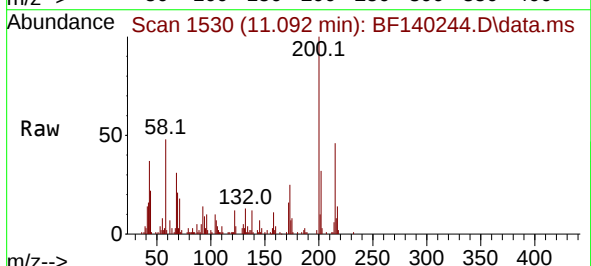
RT: 11.092 min Scan# 1530

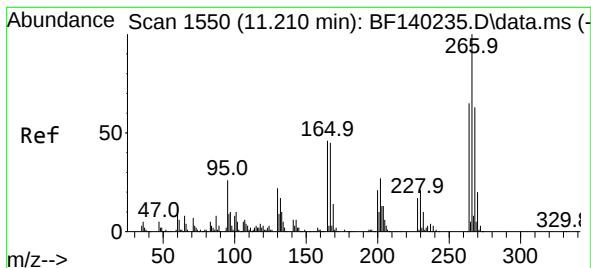
Delta R.T. -0.012 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

Tgt Ion:200	Resp:	38995
Ion Ratio	Lower	Upper
200	100	
173	25.2	4.4 44.4
215	46.0	25.2 65.2





#70

Pentachlorophenol

Concen: 2.925 ng

RT: 11.204 min Scan# 1549

Delta R.T. -0.006 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

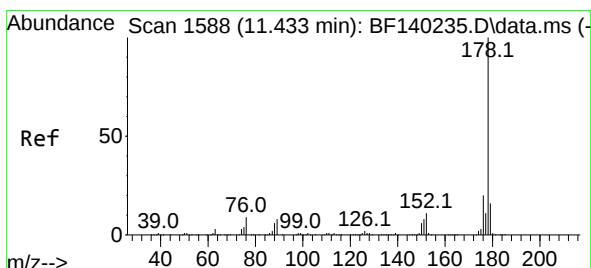
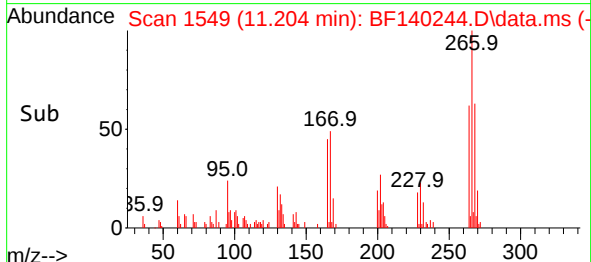
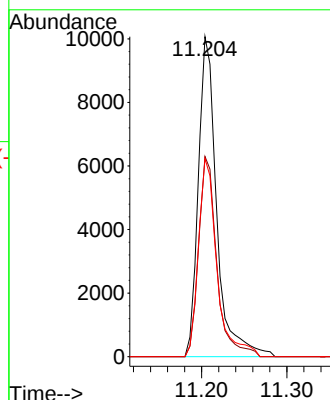
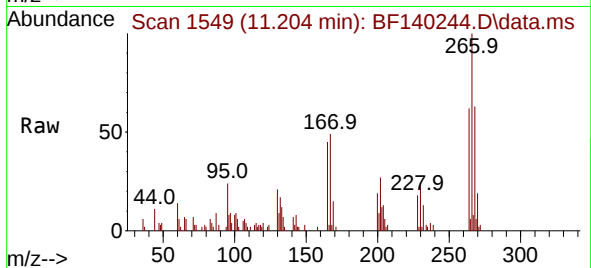
Tgt Ion:	266	Resp:	15084
Ion Ratio	Lower	Upper	
266	100		
268	62.5	50.2	75.4
264	61.9	52.2	78.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#71

Phenanthrene

Concen: 5.174 ng

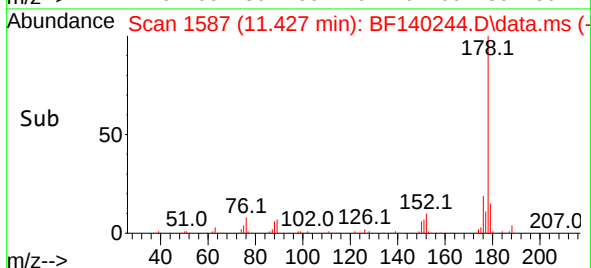
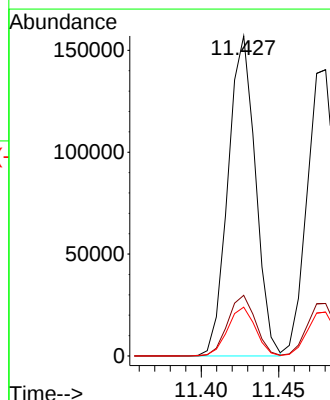
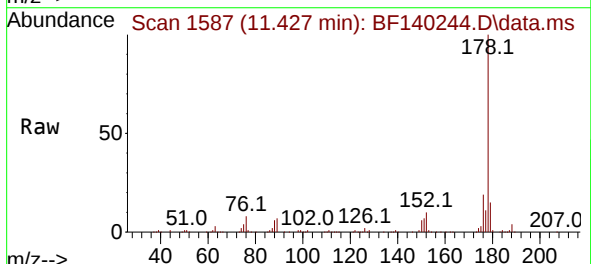
RT: 11.427 min Scan# 1587

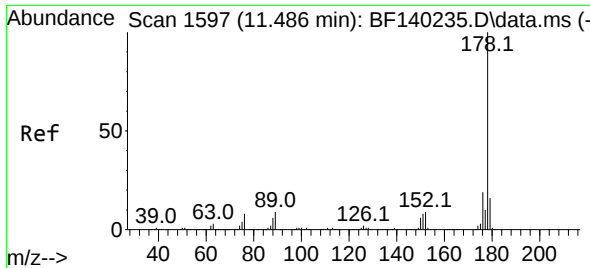
Delta R.T. -0.006 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

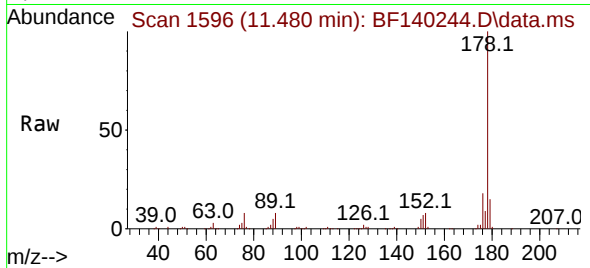
Tgt Ion:	178	Resp:	193181
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.9	23.9
179	15.2	12.6	18.8





#72
 Anthracene
 Concen: 5.066 ng
 RT: 11.480 min Scan# 1597
 Delta R.T. -0.006 min
 Lab File: BF140244.D
 Acq: 05 Nov 2024 18:22

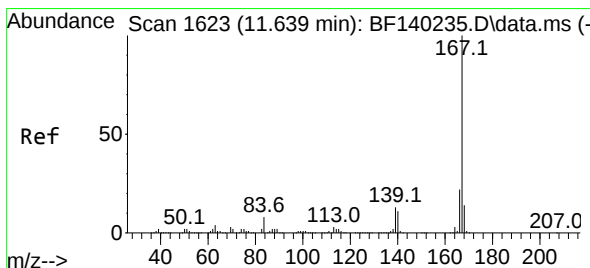
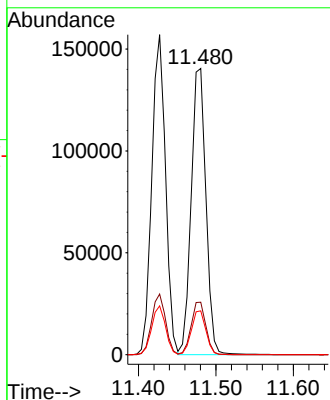
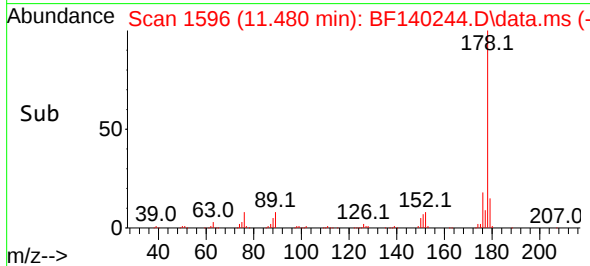
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024



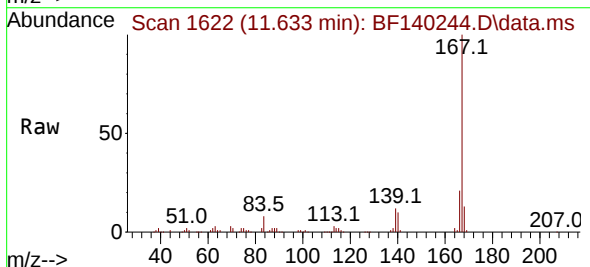
Tgt Ion:178 Resp: 185478
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.0
 179 15.3 12.7 19.1

Manual Integrations
 APPROVED

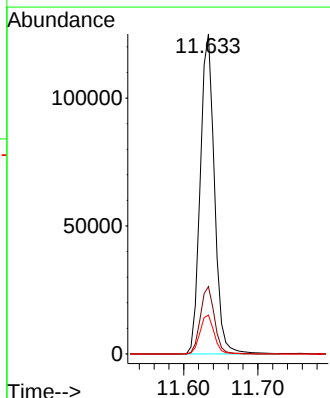
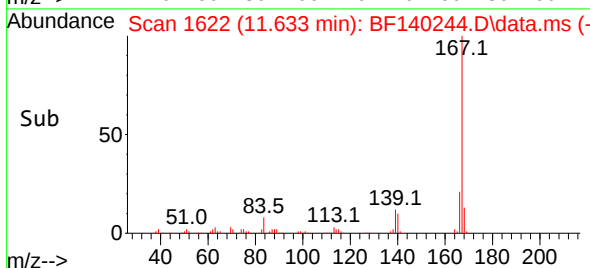
Reviewed By :Yogesh Patel 11/06/2024
 Supervised By :mohammad ahmed 11/06/2024

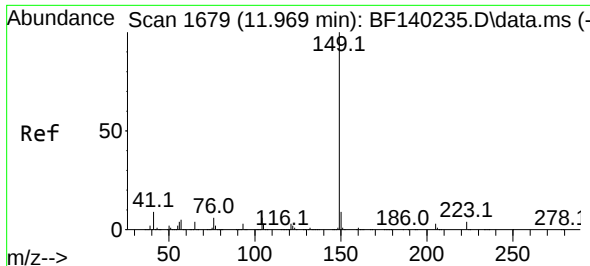


#73
 Carbazole
 Concen: 4.967 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF140244.D
 Acq: 05 Nov 2024 18:22



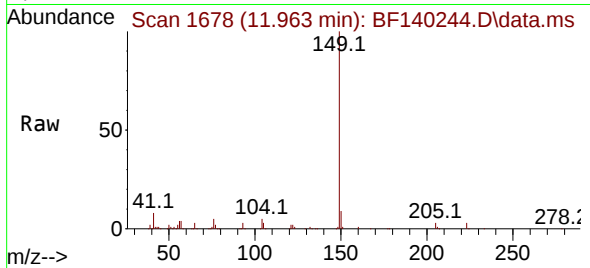
Tgt Ion:167 Resp: 166165
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.3 25.9
 139 12.2 10.7 16.1





#74
Di-n-butylphthalate
Concen: 4.917 ng
RT: 11.963 min Scan# 1678
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

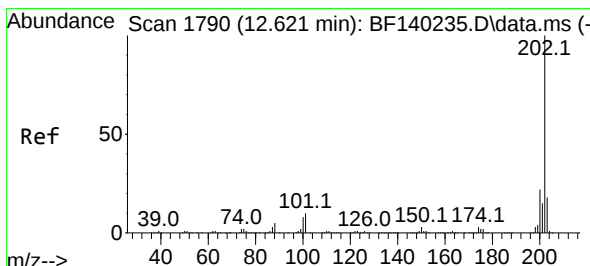
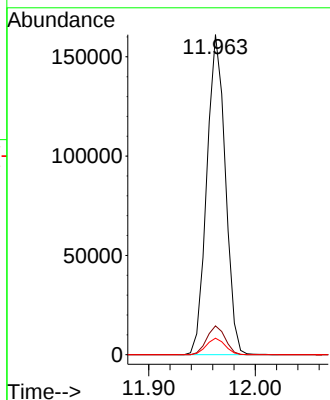
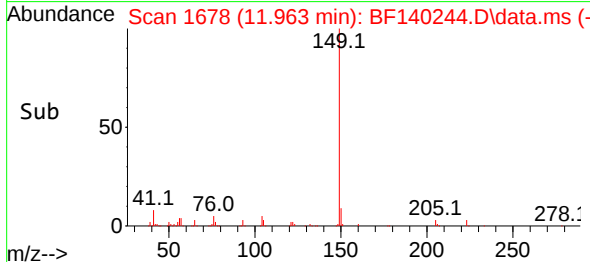
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



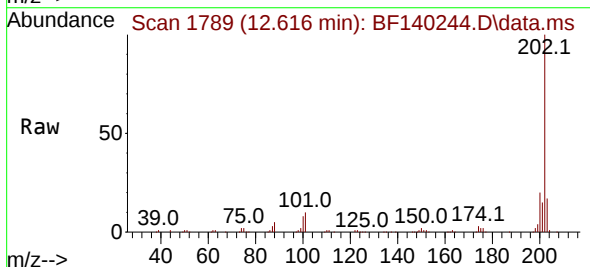
Tgt Ion:149 Resp: 194733
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.2
104 5.2 4.5 6.7

Manual Integrations
APPROVED

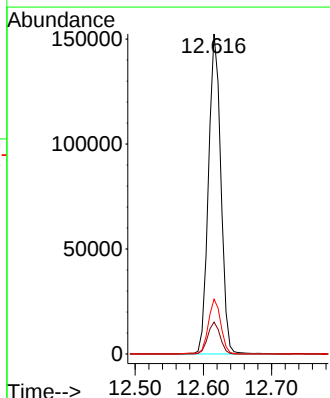
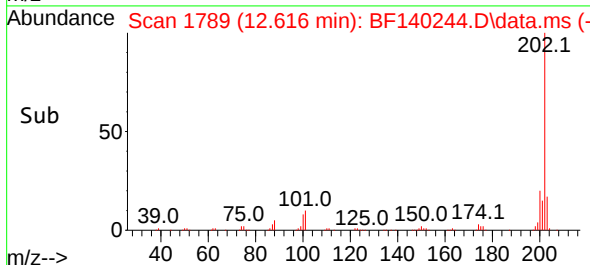
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

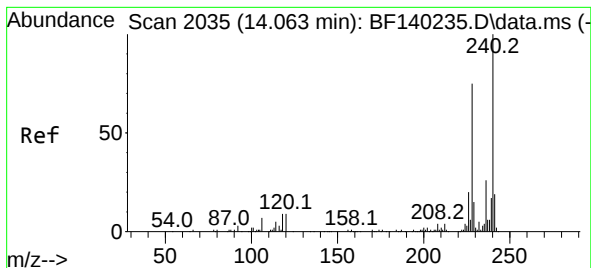


#75
Fluoranthene
Concen: 4.932 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22



Tgt Ion:202 Resp: 192565
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.4
203 17.1 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF140244.D

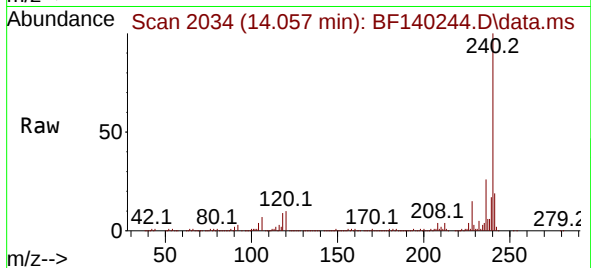
Acq: 05 Nov 2024 18:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:240 Resp: 493840

Ion Ratio Lower Upper

240 100

120 9.8 7.5 11.3

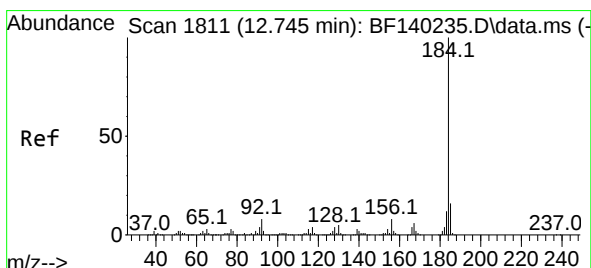
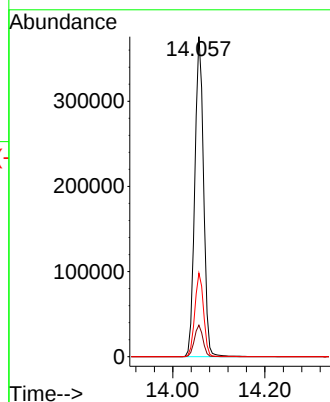
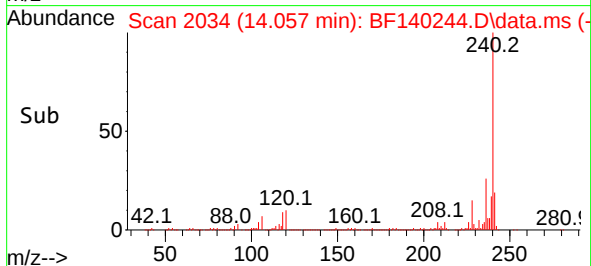
236 26.1 20.9 31.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#77

Benzidine

Concen: 4.562 ng

RT: 12.739 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

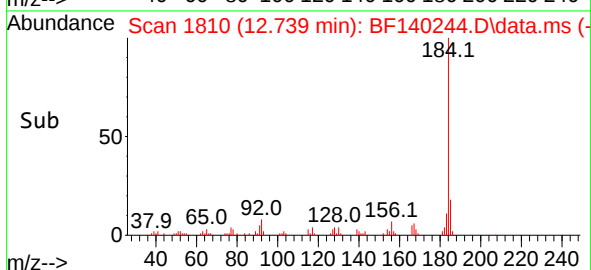
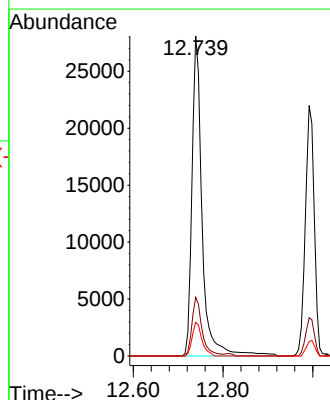
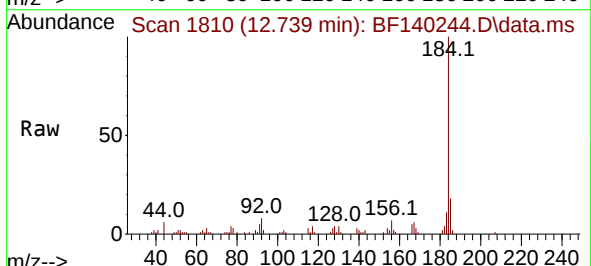
Tgt Ion:184 Resp: 44049

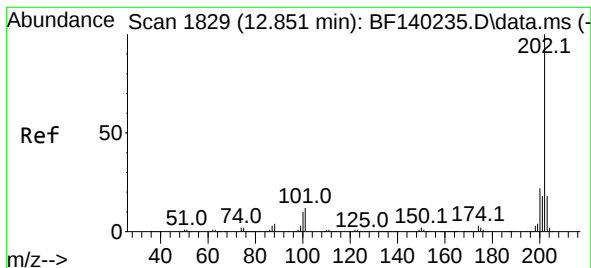
Ion Ratio Lower Upper

184 100

185 18.4 12.5 18.7

183 10.5 9.3 13.9





#78

Pyrene

Concen: 4.813 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

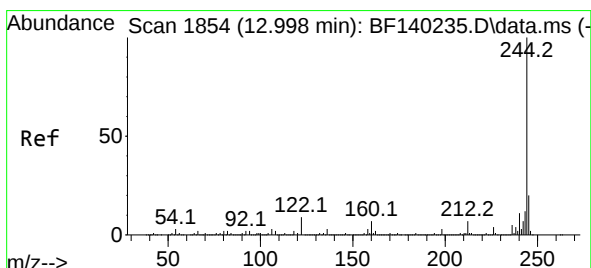
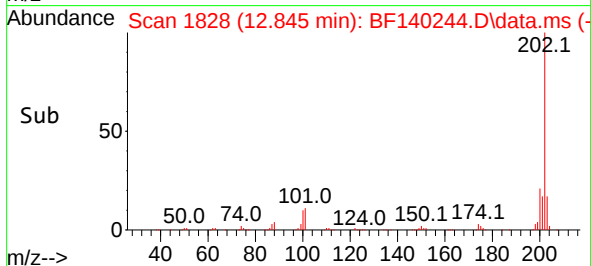
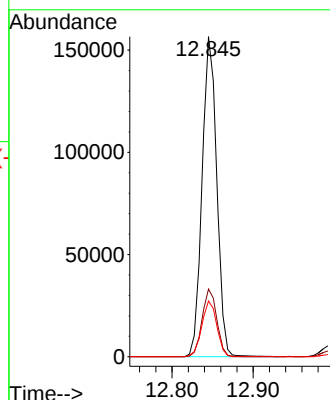
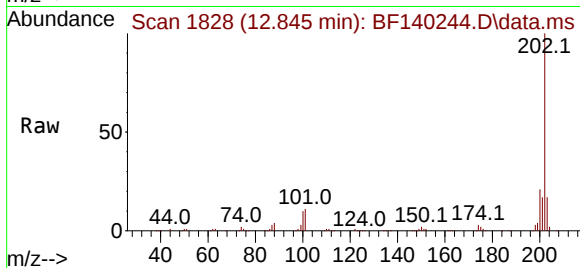
Tgt Ion:202 Resp: 196239
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.5 26.3
 203 17.4 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#79

Terphenyl-d14

Concen: 73.730 ng

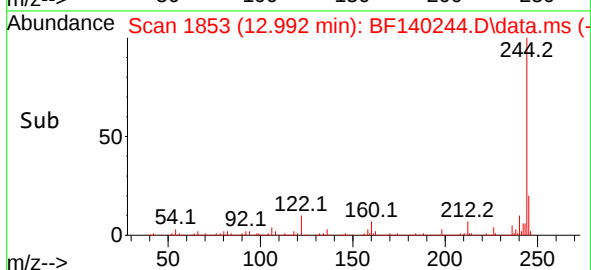
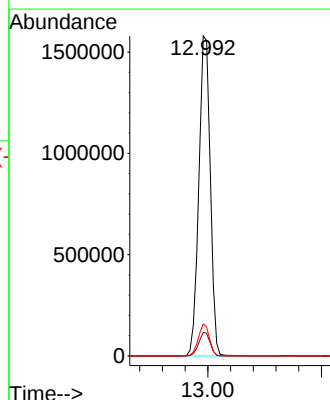
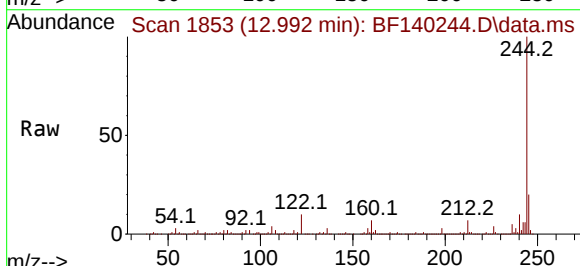
RT: 12.992 min Scan# 1853

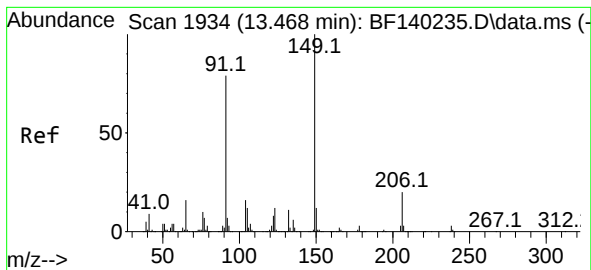
Delta R.T. -0.006 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

Tgt Ion:244 Resp: 2222703
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 10.0 7.6 11.4





#80

Butylbenzylphthalate

Concen: 4.678 ng

RT: 13.468 min Scan# 1934

Delta R.T. 0.000 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024

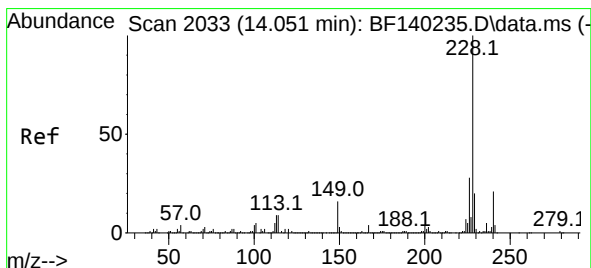
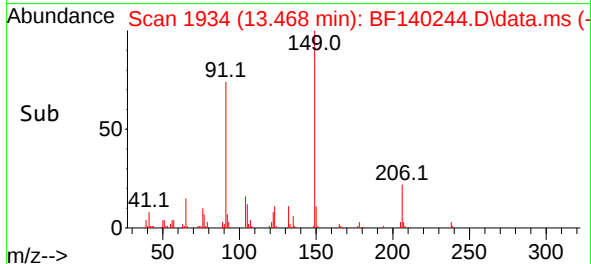
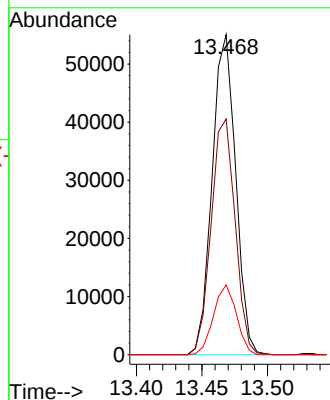
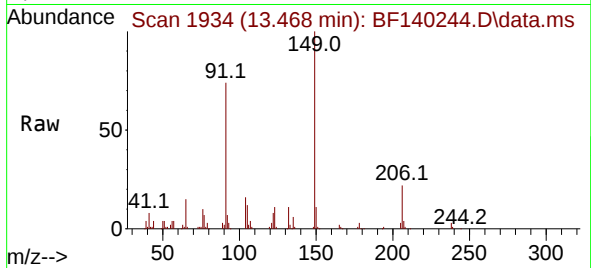
Tgt Ion:149	Resp: 68684
Ion Ratio	Lower Upper
149 100	
91 73.7	63.0 94.4
206 21.8	16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#81

Benzo(a)anthracene

Concen: 4.798 ng

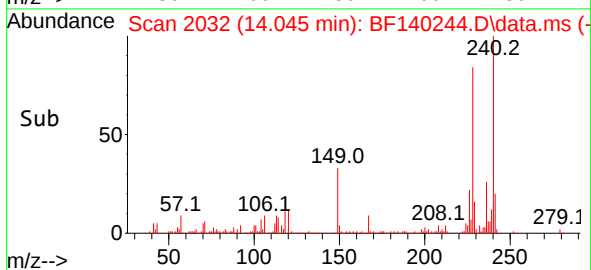
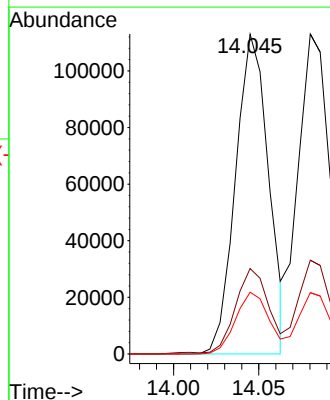
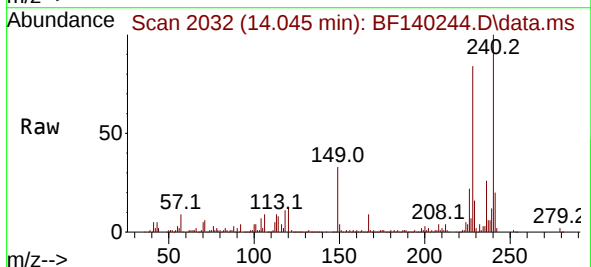
RT: 14.045 min Scan# 2032

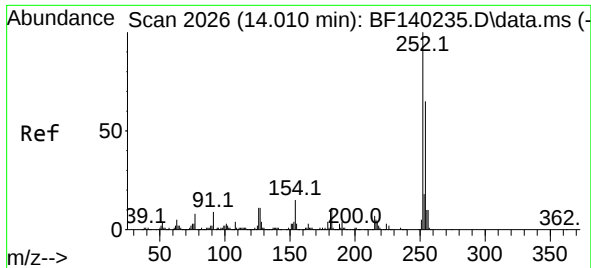
Delta R.T. -0.006 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

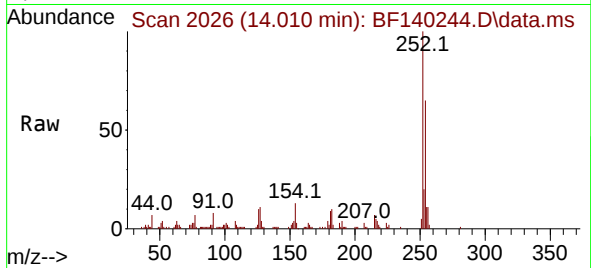
Tgt Ion:228	Resp: 152075
Ion Ratio	Lower Upper
228 100	
226 26.7	22.3 33.5
229 19.3	16.1 24.1





#82
3,3'-Dichlorobenzidine
Concen: 4.257 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

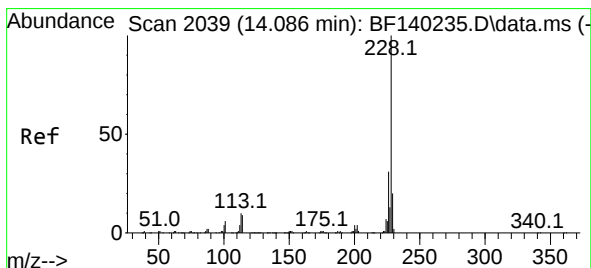
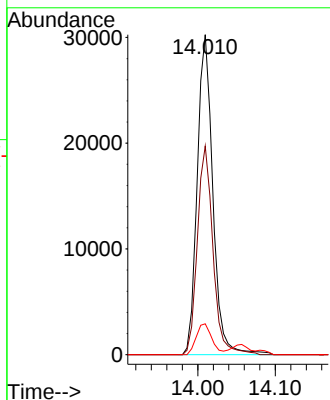
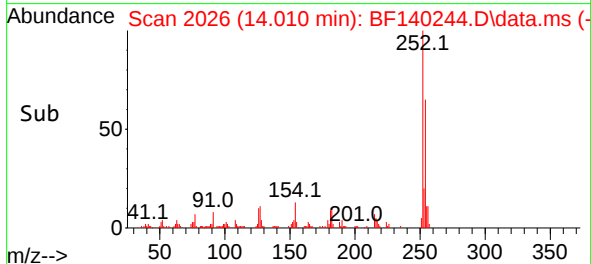
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:252 Resp: 42364
Ion Ratio Lower Upper
252 100
254 65.2 51.8 77.8
126 9.6 8.6 12.8

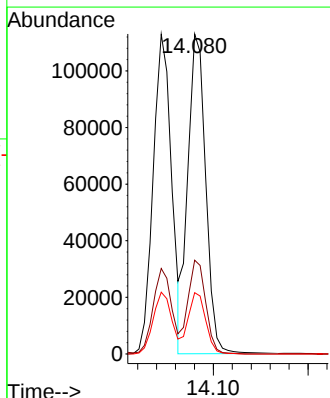
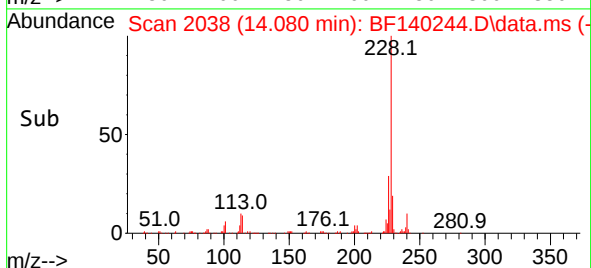
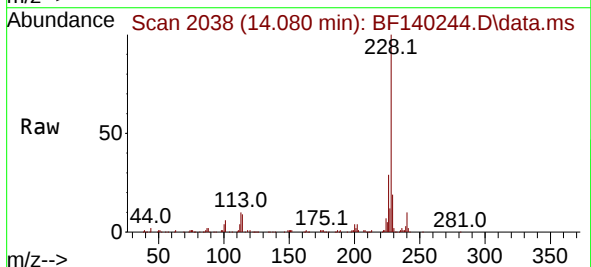
Manual Integrations
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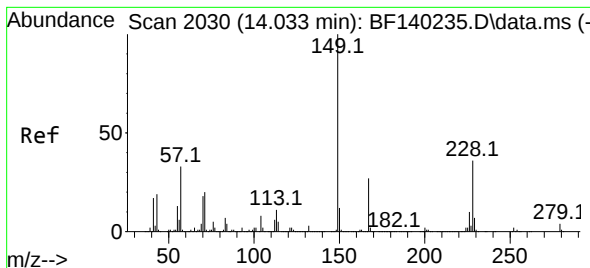
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#83
Chrysene
Concen: 4.996 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

Tgt Ion:228 Resp: 148270
Ion Ratio Lower Upper
228 100
226 29.3 24.6 36.8
229 19.2 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.840 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF140244.D

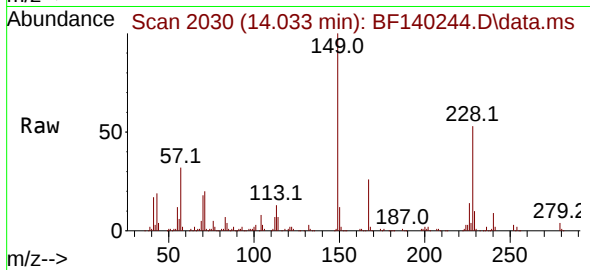
Acq: 05 Nov 2024 18:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024



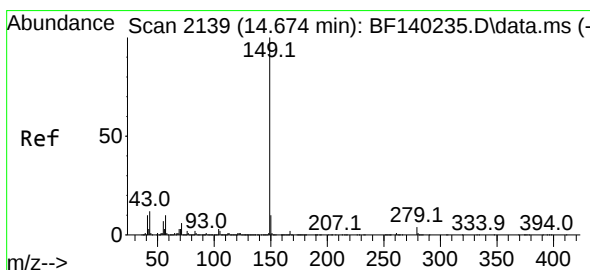
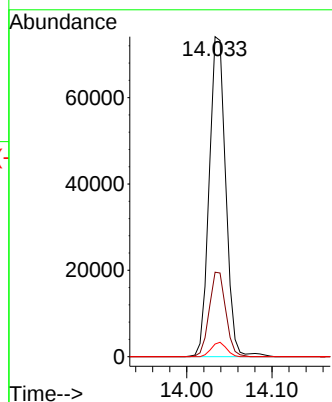
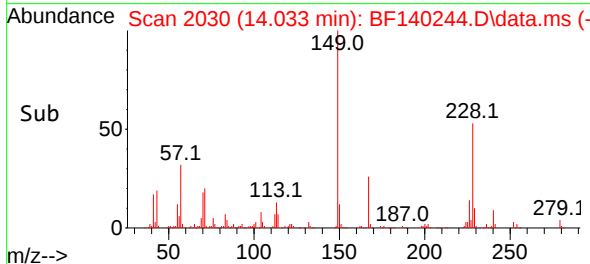
Tgt Ion:	149	Resp:	9959
Ion Ratio	Lower	Upper	
149	100		
167	26.4	21.8	32.8
279	3.9	3.2	4.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#85

Di-n-octyl phthalate

Concen: 4.509 ng

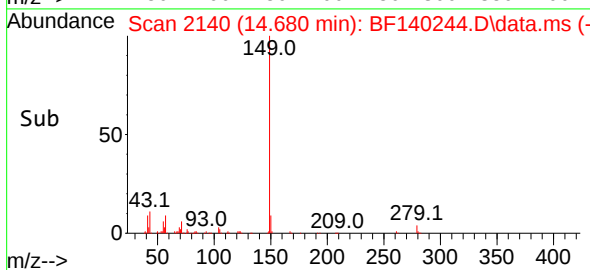
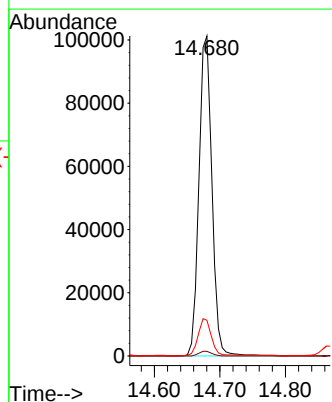
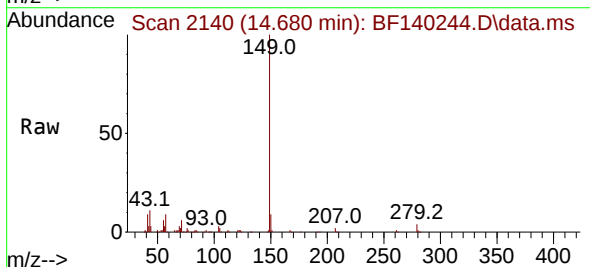
RT: 14.680 min Scan# 2140

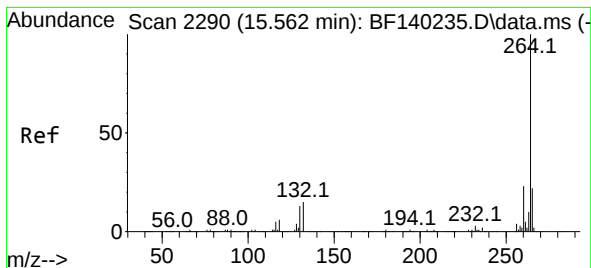
Delta R.T. 0.006 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

Tgt Ion:	149	Resp:	139668
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.3	1.9
43	12.2	9.7	14.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140244.D

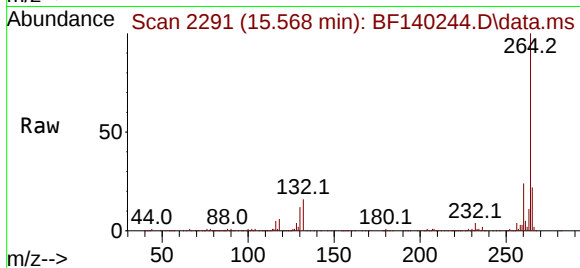
Acq: 05 Nov 2024 18:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:264 Resp: 406750

Ion Ratio Lower Upper

264 100

260 24.4 18.8 28.2

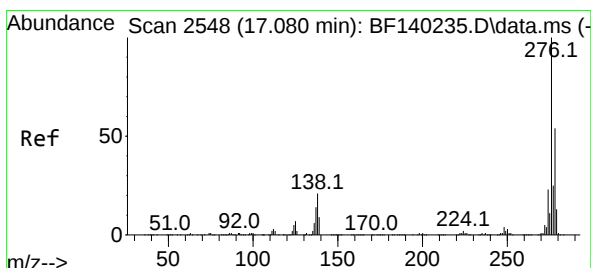
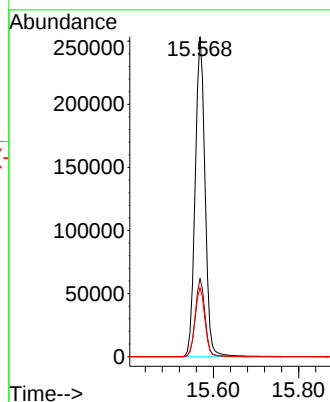
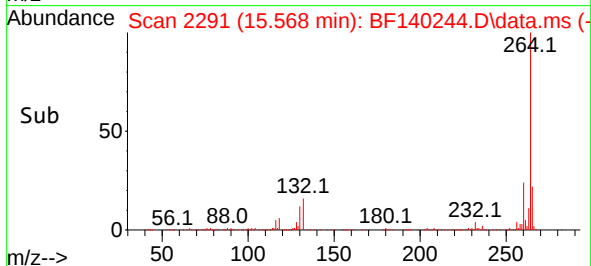
265 21.6 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.419 ng

RT: 17.068 min Scan# 2546

Delta R.T. -0.012 min

Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

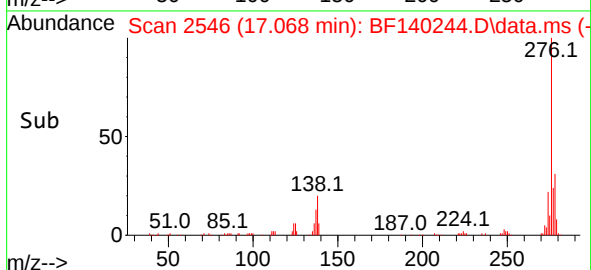
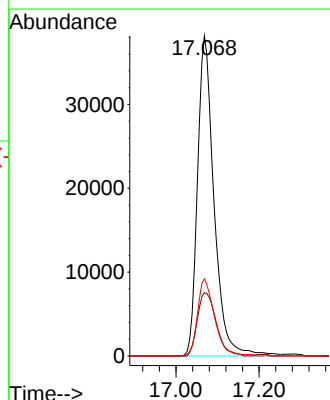
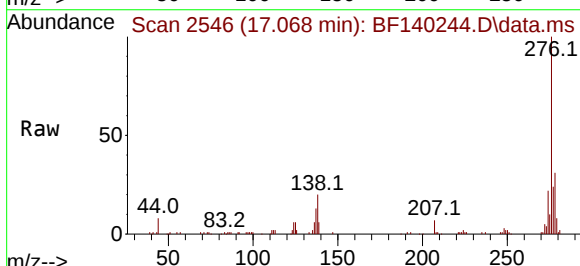
Tgt Ion:276 Resp: 105513

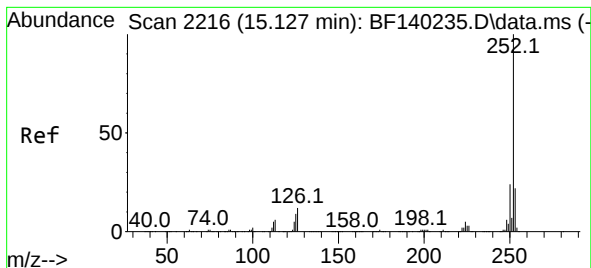
Ion Ratio Lower Upper

276 100

138 22.5 17.6 26.4

277 24.5 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 4.574 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF140244.D

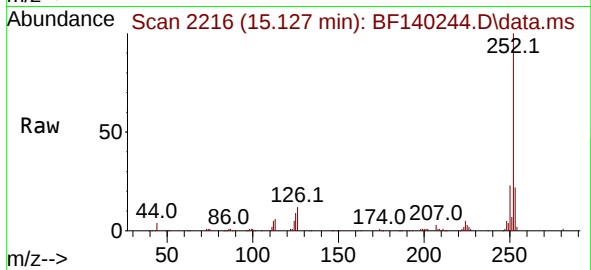
Acq: 05 Nov 2024 18:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:252 Resp: 112529

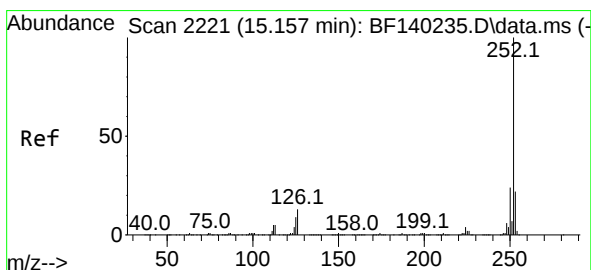
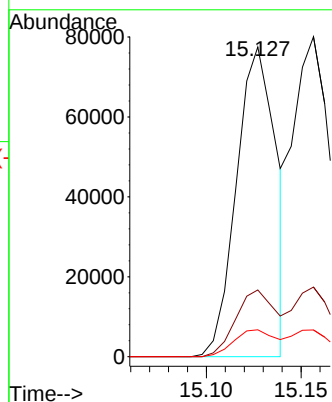
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.9	26.9
125	8.7	7.0	10.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#89

Benzo(k)fluoranthene

Concen: 5.358 ng

RT: 15.157 min Scan# 2221

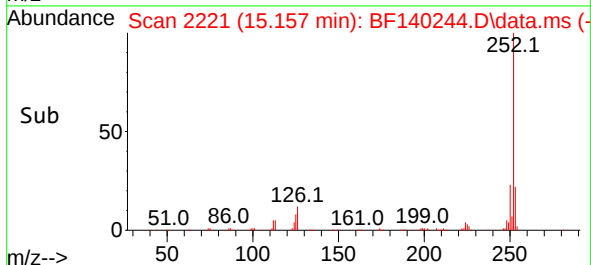
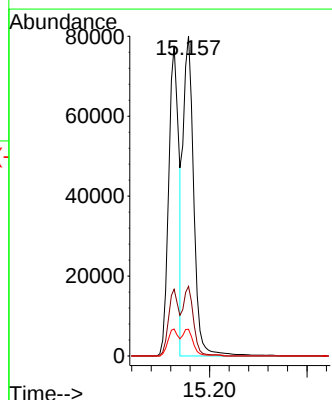
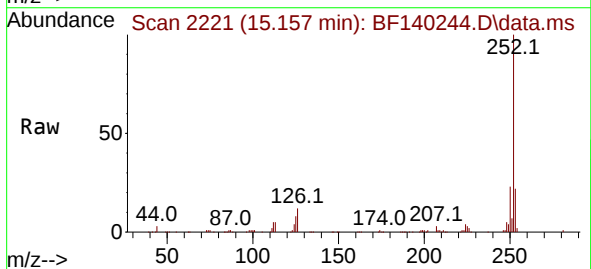
Delta R.T. 0.000 min

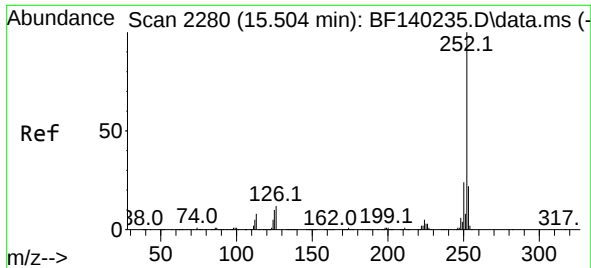
Lab File: BF140244.D

Acq: 05 Nov 2024 18:22

Tgt Ion:252 Resp: 120963

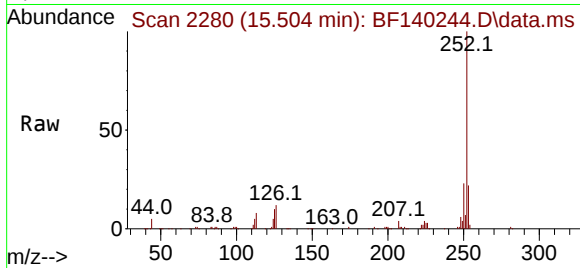
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	8.4	7.2	10.8





#90
Benzo(a)pyrene
Concen: 4.889 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22

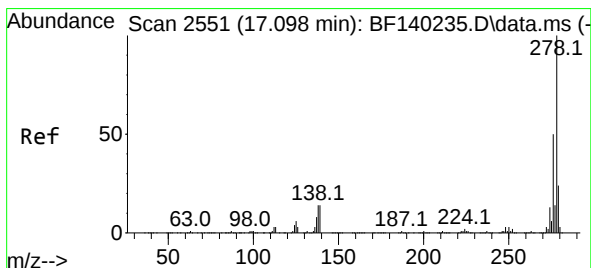
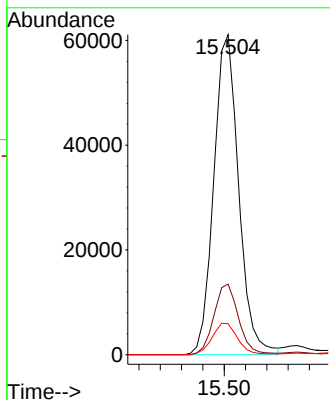
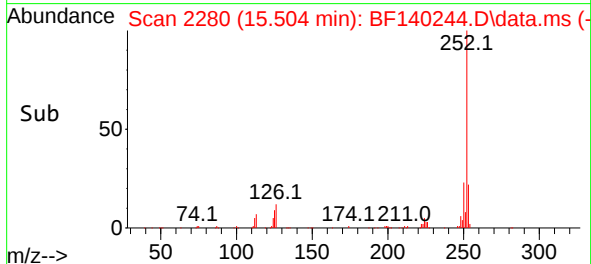
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2024



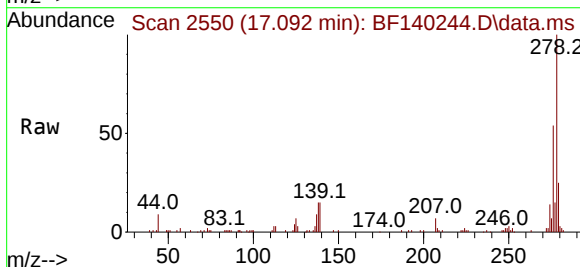
Tgt Ion:252 Resp: 99168
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 9.7 7.6 11.4

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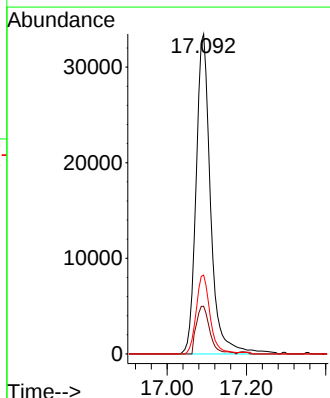
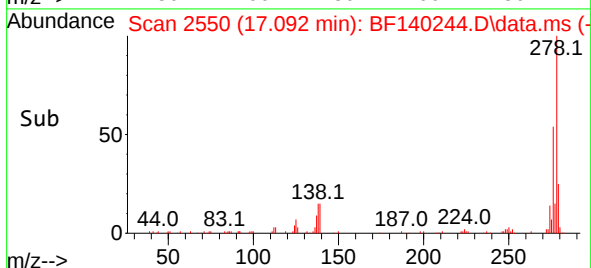
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

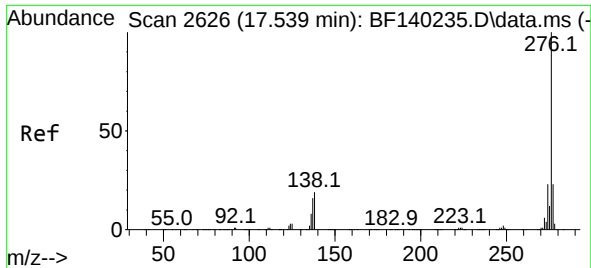


#91
Dibenzo(a,h)anthracene
Concen: 4.331 ng
RT: 17.092 min Scan# 2550
Delta R.T. -0.006 min
Lab File: BF140244.D
Acq: 05 Nov 2024 18:22



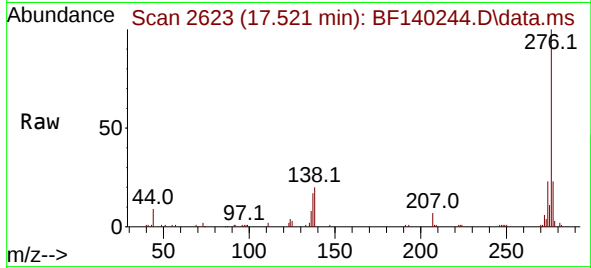
Tgt Ion:278 Resp: 85085
Ion Ratio Lower Upper
278 100
139 14.9 11.1 16.7
279 24.6 19.1 28.7





#92
 Benzo(g,h,i)perylene
 Concen: 4.134 ng
 RT: 17.521 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF140244.D
 Acq: 05 Nov 2024 18:22

Instrument : BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024



Tgt Ion:276 Resp: 8283
 Ion Ratio Lower Upper
 276 100
 277 23.2 18.8 28.2
 138 19.7 15.3 22.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/06/2024
 Supervised By :mohammad ahmed 11/06/2024

