

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
 Data File : BF141304.D
 Acq On : 30 Jan 2025 10:23
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 5PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

Quant Time: Jan 30 10:52:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
 Supervised By :mohammad ahmed 01/31/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	138501	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	550579	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	304536	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	529687	20.000	ng	0.00
76) Chrysene-d12	13.962	240	312450	20.000	ng	-0.01
86) Perylene-d12	15.427	264	276883	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	855480	94.825	ng	0.00
7) Phenol-d6	6.428	99	1089318	94.915	ng	-0.01
23) Nitrobenzene-d5	7.357	82	735381	70.411	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	267415	95.783	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1340092	67.731	ng	0.00
79) Terphenyl-d14	12.910	244	1338082	66.045	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.493	88	20492	5.165	ng	99
3) Pyridine	3.263	79	42970	4.495	ng	97
6) Aniline	6.457	93	62992m	6.484	ng	
8) 2-Chlorophenol	6.581	128	51380	5.314	ng	93
10) Phenol	6.439	94	64538	5.305	ng	87
11) bis(2-Chloroethyl)ether	6.534	93	48173	5.164	ng	98
12) 1,3-Dichlorobenzene	6.739	146	55582	5.213	ng	98
13) 1,4-Dichlorobenzene	6.816	146	54697	5.107	ng	99
14) 1,2-Dichlorobenzene	6.969	146	51711	5.156	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	89750	5.533	ng	99
17) 2-Methylphenol	7.045	107	39744	5.057	ng	99
18) Hexachloroethane	7.310	117	19131	4.842	ng	97
19) n-Nitroso-di-n-propyla...	7.204	70	36289	5.321	ng	98
22) Acetophenone	7.204	105	76526	5.847	ng	97
24) Nitrobenzene	7.375	77	56557	5.225	ng	99
25) Isophorone	7.610	82	98938	5.480	ng	97
26) 2-Nitrophenol	7.692	139	25440	4.984	ng	99
27) 2,4-Dimethylphenol	7.728	122	25046m	3.855	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	60881	5.287	ng	98
29) 2,4-Dichlorophenol	7.933	162	40497	5.091	ng	98
30) 1,2,4-Trichlorobenzene	8.022	180	45872	5.050	ng	99
31) Naphthalene	8.098	128	154936	5.327	ng	99
33) 4-Chloroaniline	8.151	127	57309	5.810	ng	97
34) Hexachlorobutadiene	8.222	225	26728	5.018	ng	96
36) 4-Chloro-3-methylphenol	8.628	107	46494	5.450	ng	97
37) 2-Methylnaphthalene	8.792	142	101066	5.467	ng	99
38) 1-Methylnaphthalene	8.892	142	92339	5.085	ng	98
40) 1,2,4,5-Tetrachloroben...	8.957	216	47282	5.457	ng	97
43) 2,4,6-Trichlorophenol	9.069	196	27798	4.902	ng	95
44) 2,4,5-Trichlorophenol	9.110	196	30364	4.920	ng	97
46) 1,1'-Biphenyl	9.257	154	136999	5.768	ng	98
47) 2-Chloronaphthalene	9.280	162	95551	5.162	ng	98
48) 2-Nitroaniline	9.375	65	28156	4.836	ng	94
49) Acenaphthylene	9.692	152	145247	5.605	ng	100
50) Dimethylphthalate	9.551	163	109916	5.344	ng	100
51) 2,6-Dinitrotoluene	9.616	165	22676	4.748	ng	96

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Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

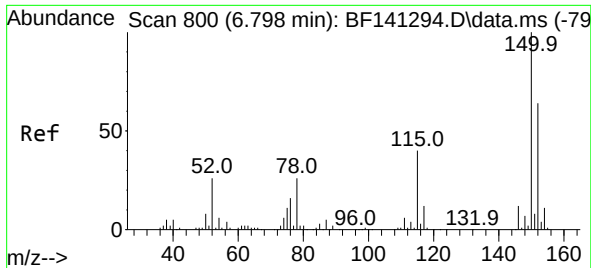
Quant Time: Jan 30 10:52:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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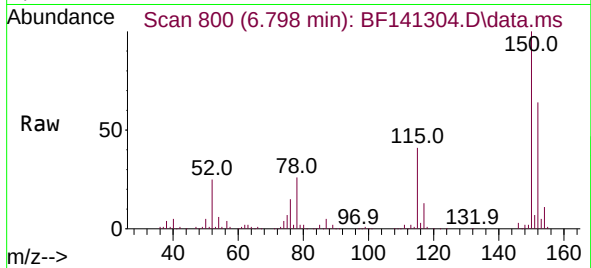
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	9.869	154	97056	5.243	ng	99
53) 3-Nitroaniline	9.780	138	23226	4.962	ng	96
55) Dibenzofuran	10.039	168	138040	5.571	ng	97
57) 2,4-Dinitrotoluene	10.016	165	30753	4.974	ng	96
58) Fluorene	10.380	166	108665	5.653	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	24885	5.125	ng	99
60) Diethylphthalate	10.257	149	108863	5.459	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	51757	5.512	ng	98
62) 4-Nitroaniline	10.392	138	20551	4.466	ng	97
63) Azobenzene	10.533	77	108219	5.421	ng	99
66) n-Nitrosodiphenylamine	10.492	169	92333	5.390	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	30636	5.166	ng	96
68) Hexachlorobenzene	10.927	284	32493	5.166	ng	99
69) Atrazine	11.016	200	30043	5.245	ng	99
71) Phenanthrene	11.345	178	160017	5.620	ng	98
72) Anthracene	11.398	178	150462	5.393	ng	98
73) Carbazole	11.551	167	129132	5.220	ng	99
74) Di-n-butylphthalate	11.886	149	165400	5.517	ng	99
75) Fluoranthene	12.533	202	155286	5.523	ng	99
78) Pyrene	12.763	202	166682	5.558	ng	99
80) Butylbenzylphthalate	13.386	149	52670	5.027	ng	96
81) Benzo(a)anthracene	13.957	228	113856	5.281	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	29294	4.272	ng	98
83) Chrysene	13.992	228	102490	5.187	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	70386	5.295	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	78734	4.406	ng	98
88) Benzo(b)fluoranthene	15.004	252	84985	4.880	ng	99
89) Benzo(k)fluoranthene	15.033	252	76883	4.983	ng	100
90) Benzo(a)pyrene	15.362	252	76894	5.225	ng	98
91) Dibenzo(a,h)anthracene	16.892	278	62387	4.339	ng	99
92) Benzo(g,h,i)perylene	17.303	276	62505	4.181	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

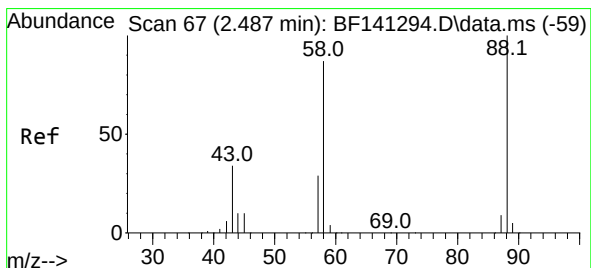
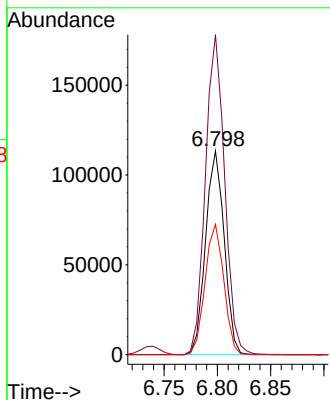
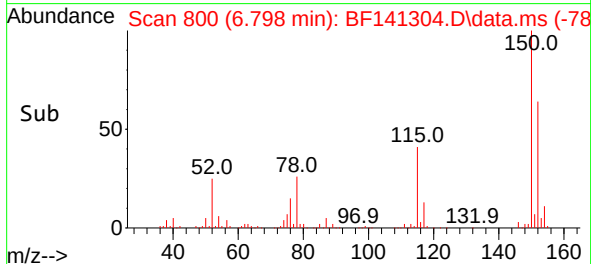
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:152 Resp: 13850
Ion Ratio Lower Upper
152 100
150 157.1 125.9 188.9
115 64.0 49.7 74.5

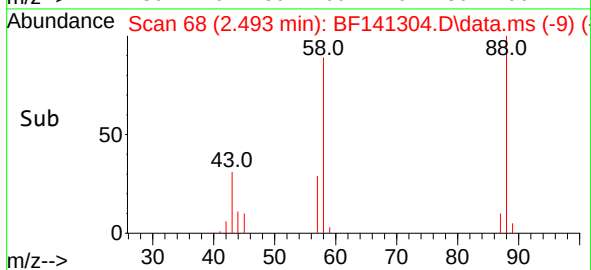
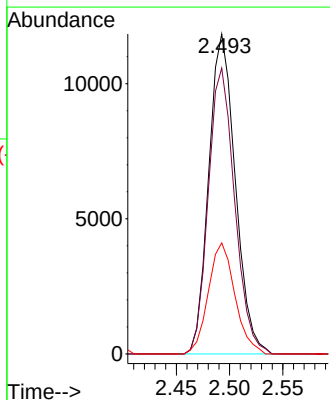
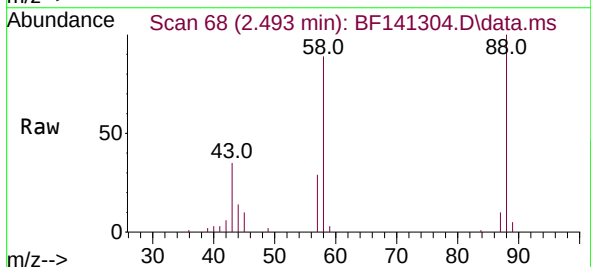
Manual Integrations
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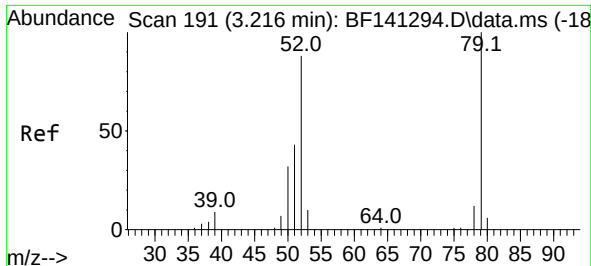
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#2
1,4-Dioxane
Concen: 5.165 ng
RT: 2.493 min Scan# 68
Delta R.T. -0.000 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

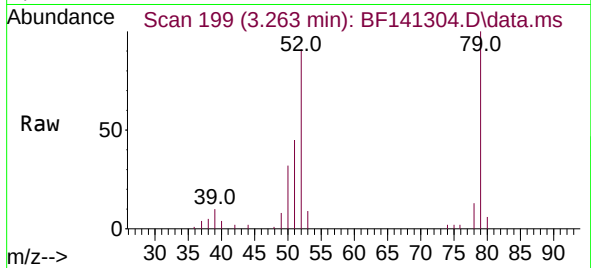
Tgt Ion: 88 Resp: 20492
Ion Ratio Lower Upper
88 100
58 88.7 70.2 105.4
43 34.9 27.6 41.4





#3
Pyridine
Concen: 4.495 ng
RT: 3.263 min Scan# 191
Delta R.T. 0.035 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

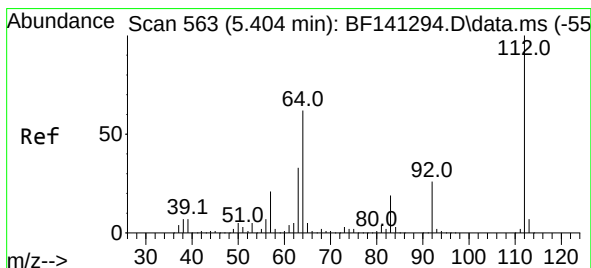
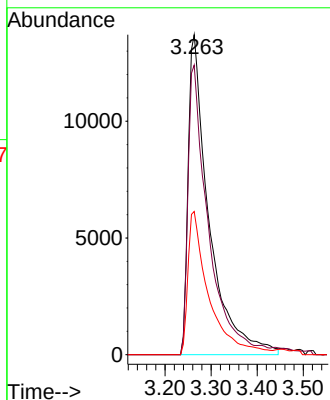
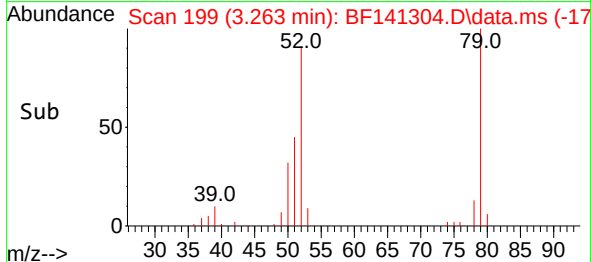
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion: 79 Resp: 42970
Ion Ratio Lower Upper
79 100
52 90.5 70.3 105.5
51 44.8 34.3 51.5

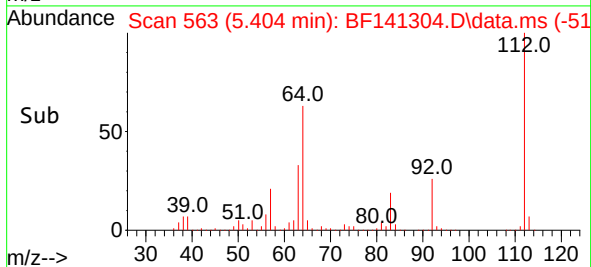
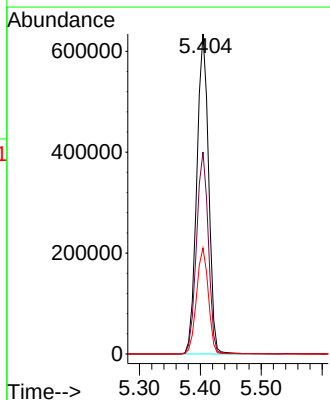
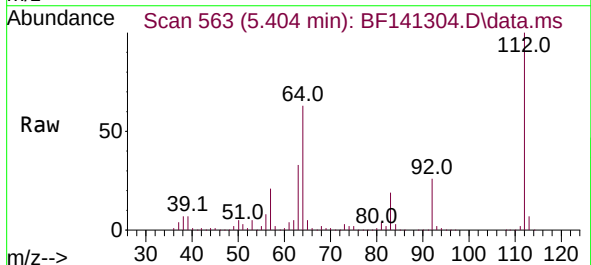
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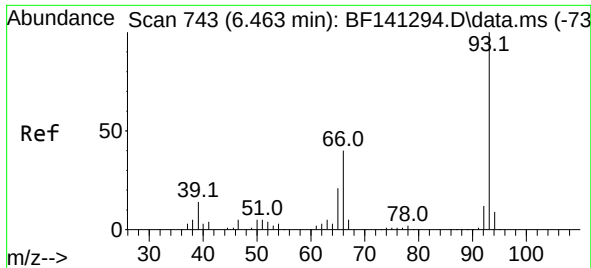
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#5
2-Fluorophenol
Concen: 94.825 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:112 Resp: 855480
Ion Ratio Lower Upper
112 100
64 63.1 49.8 74.8
63 33.1 26.1 39.1





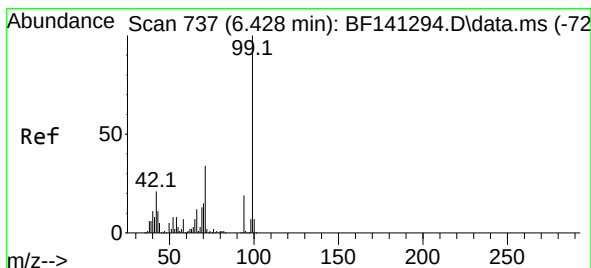
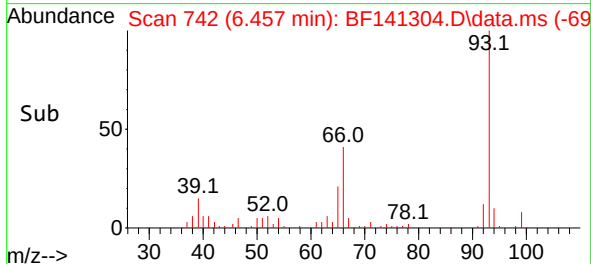
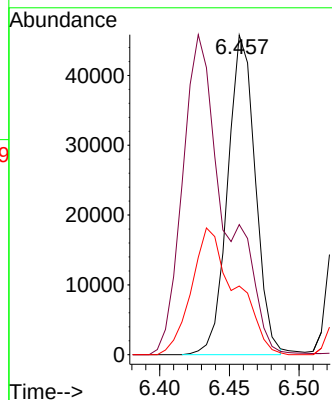
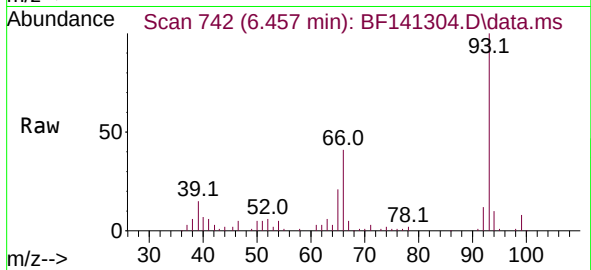
#6
Aniline
Concen: 6.484 ng m
RT: 6.457 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion: 93 Resp: 62992
Ion Ratio Lower Upper
93 100
66 40.7 32.5 48.7
65 21.5 17.0 25.6

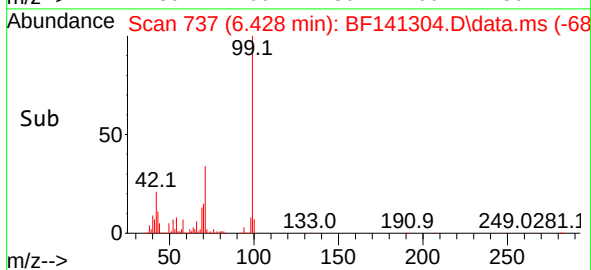
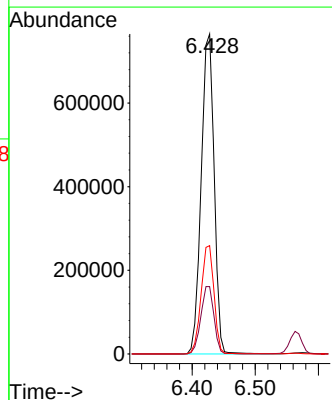
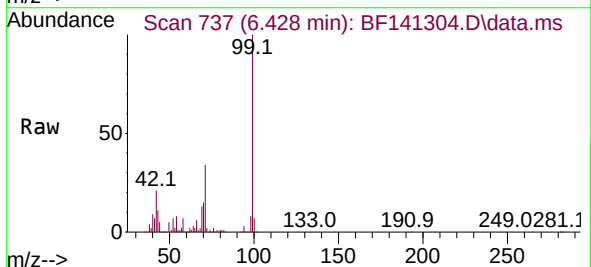
Manual Integrations
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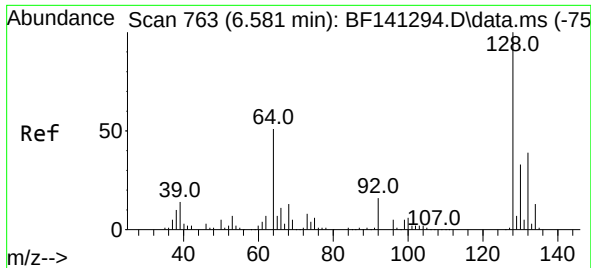
Reviewed By :Jagrut Upadhyay 01/30/2025
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#7
Phenol-d6
Concen: 94.915 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

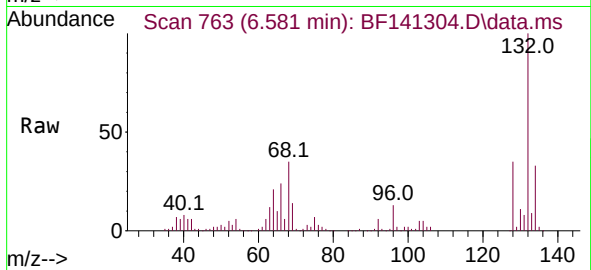
Tgt Ion: 99 Resp: 1089318
Ion Ratio Lower Upper
99 100
42 21.0 17.1 25.7
71 33.9 26.9 40.3





#8
2-Chlorophenol
Concen: 5.314 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

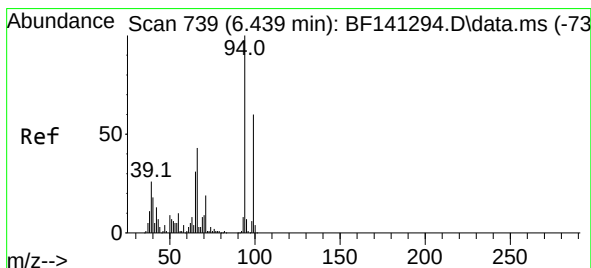
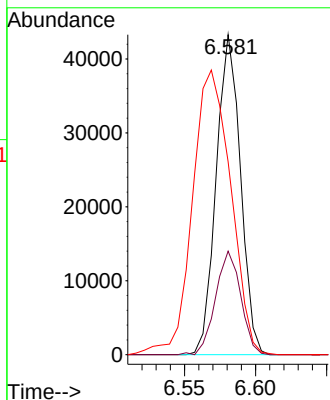
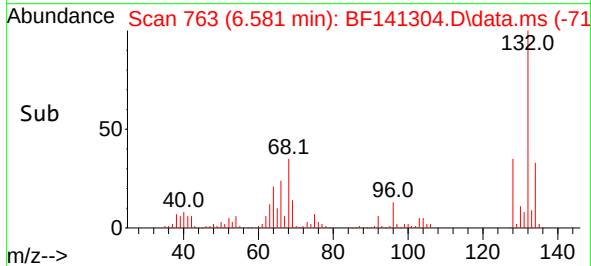
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT1-2025



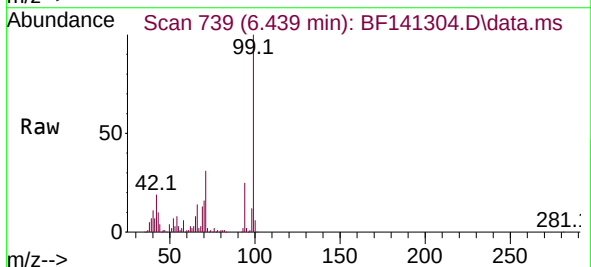
Tgt Ion:128 Resp: 51380
Ion Ratio Lower Upper
128 100
130 32.3 12.5 52.5
64 60.3 32.9 72.9

Manual Integrations
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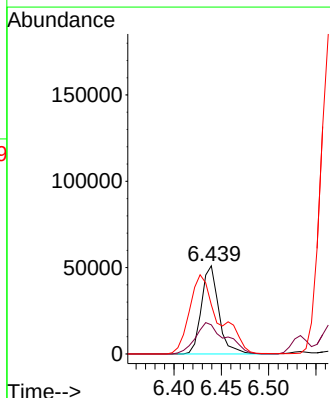
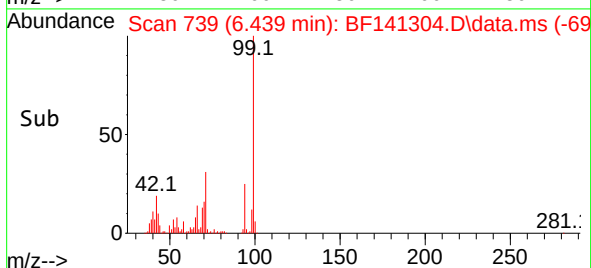
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

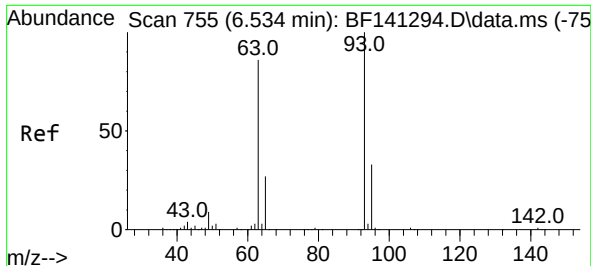


#10
Phenol
Concen: 5.305 ng
RT: 6.439 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23



Tgt Ion: 94 Resp: 64538
Ion Ratio Lower Upper
94 100
65 33.1 10.8 50.8
66 55.7 23.3 63.3





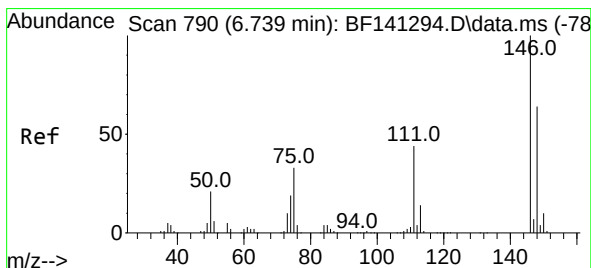
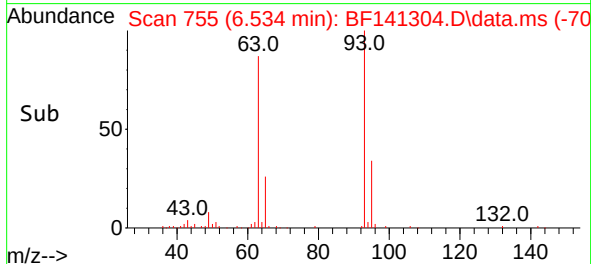
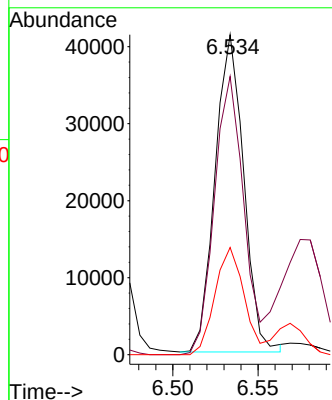
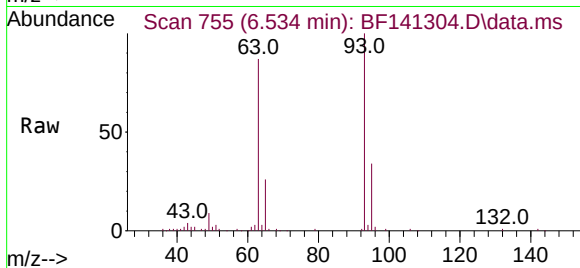
#11
bis(2-Chloroethyl)ether
Concen: 5.164 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion: 93 Resp: 4817
Ion Ratio Lower Upper
93 100
63 87.0 65.0 105.0
95 33.5 12.4 52.4

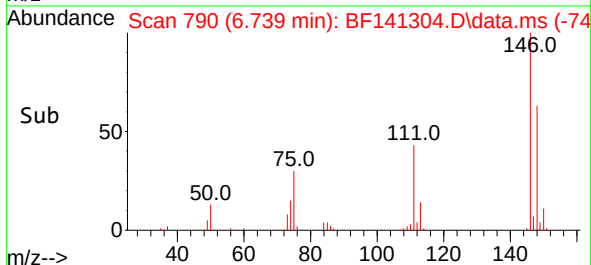
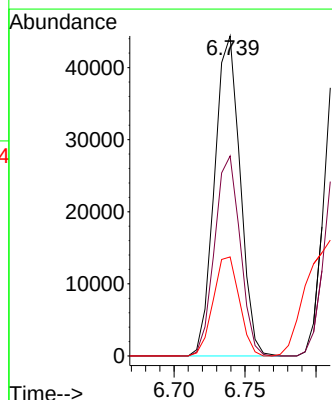
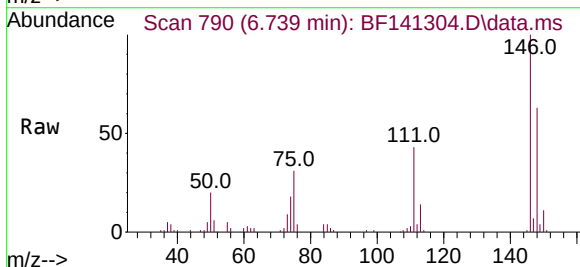
Manual Integrations
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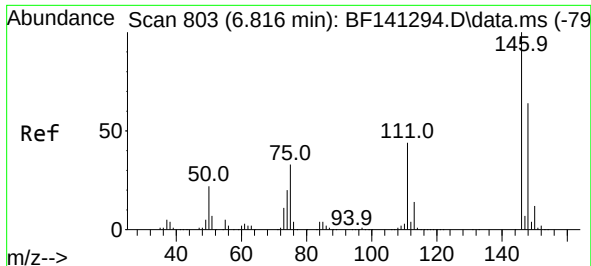
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#12
1,3-Dichlorobenzene
Concen: 5.213 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:146 Resp: 55582
Ion Ratio Lower Upper
146 100
148 62.5 51.2 76.8
75 30.9 26.2 39.4





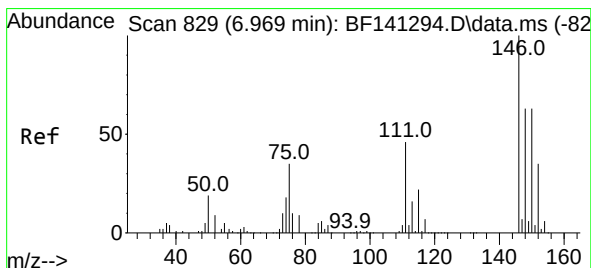
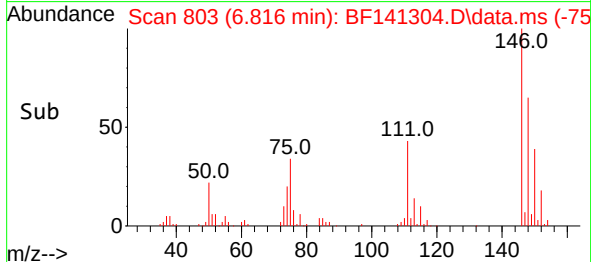
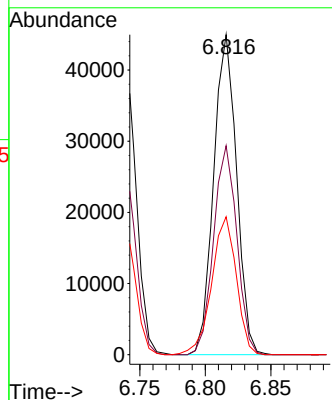
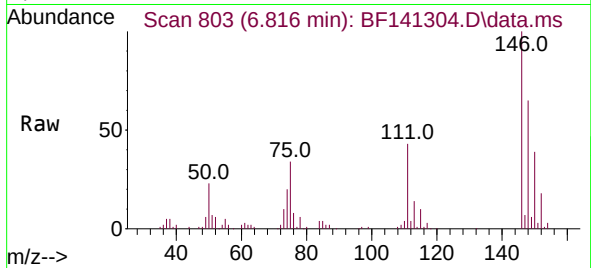
#13
1,4-Dichlorobenzene
Concen: 5.107 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion:146 Resp: 5469
Ion Ratio Lower Upper
146 100
148 65.3 51.2 76.8
111 43.1 35.0 52.4

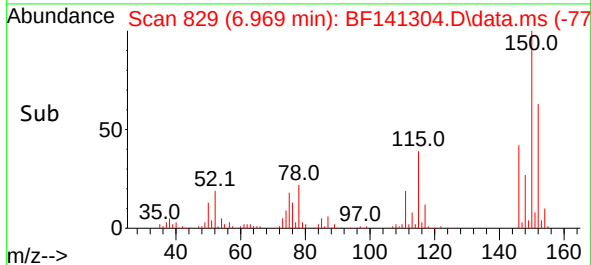
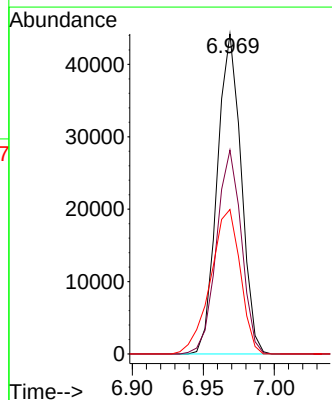
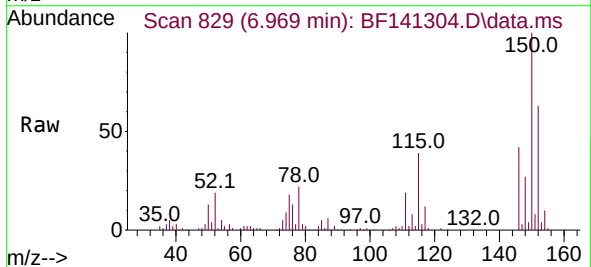
Manual Integrations
APPROVED

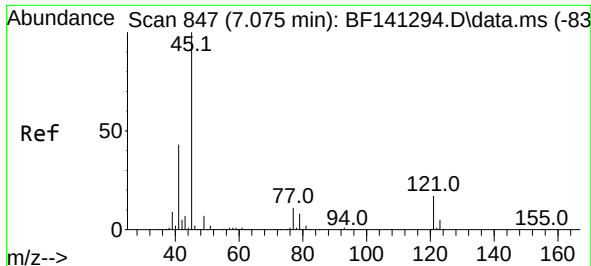
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#14
1,2-Dichlorobenzene
Concen: 5.156 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

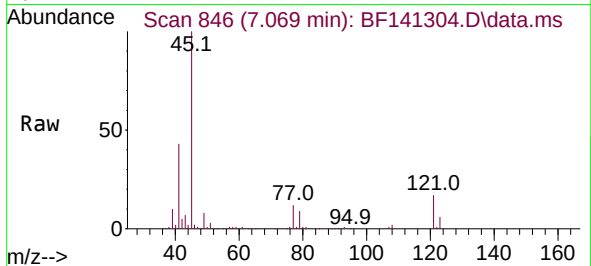
Tgt Ion:146 Resp: 51711
Ion Ratio Lower Upper
146 100
148 63.7 50.5 75.7
111 45.2 36.6 55.0





#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.533 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

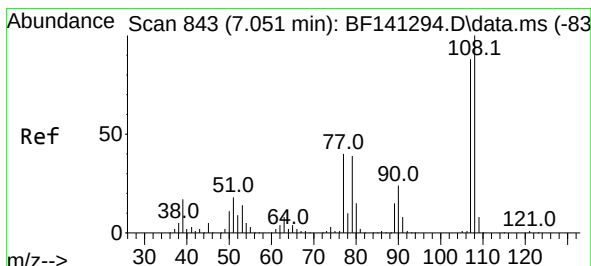
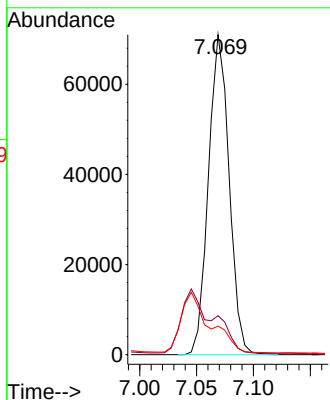
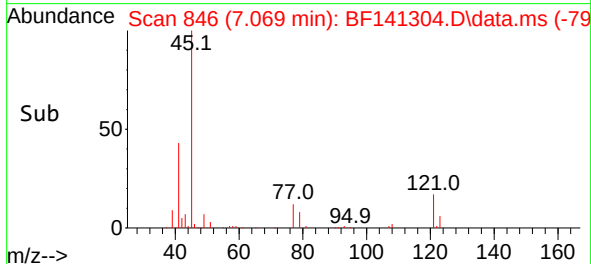
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion: 45 Resp: 89750
Ion Ratio Lower Upper
45 100
77 12.2 0.0 31.8
79 9.0 0.0 29.1

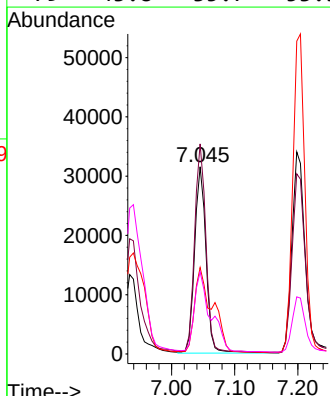
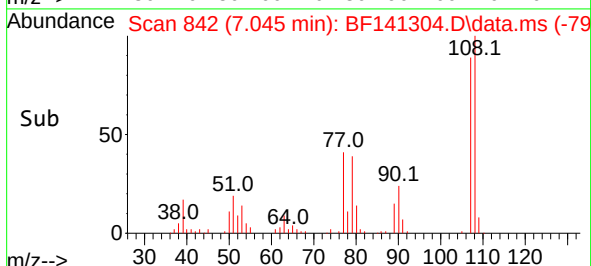
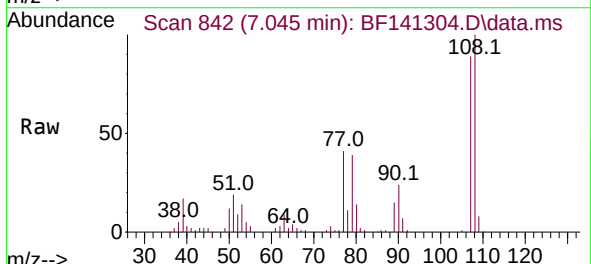
Manual Integrations
APPROVED

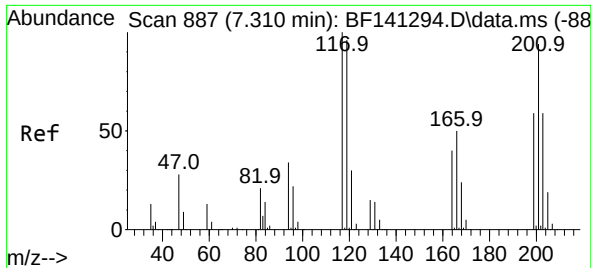
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#17
2-Methylphenol
Concen: 5.057 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

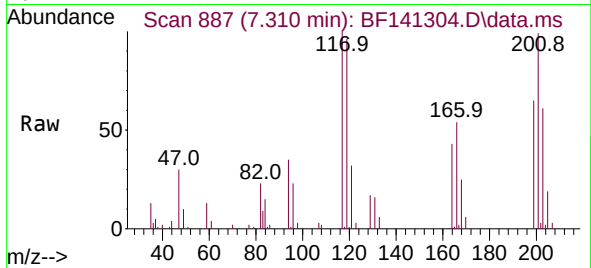
Tgt Ion:107 Resp: 39744
Ion Ratio Lower Upper
107 100
108 112.2 90.8 136.2
77 46.2 36.2 54.4
79 43.8 35.7 53.5





#18
Hexachloroethane
Concen: 4.842 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

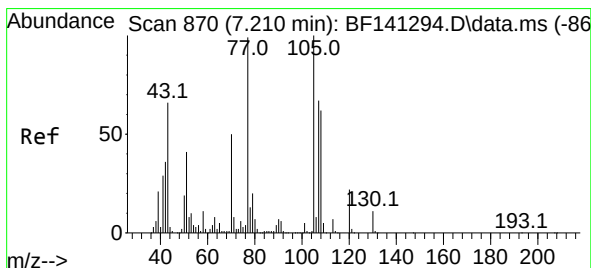
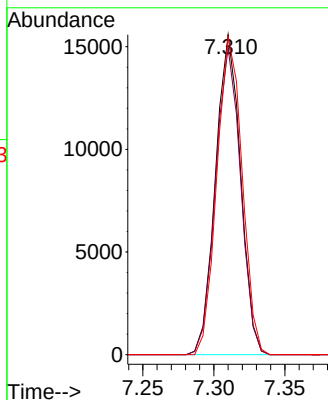
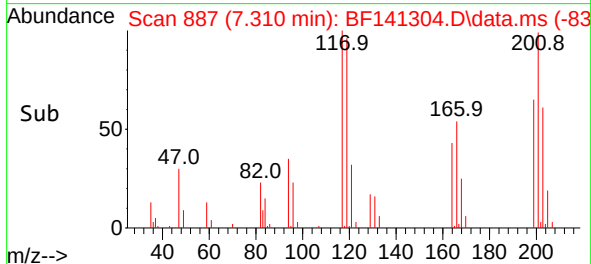
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT1-2025



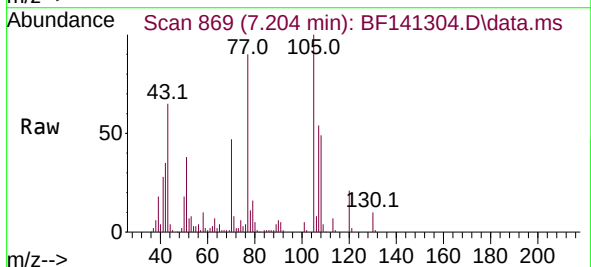
Tgt Ion: 117 Resp: 1913
Ion Ratio Lower Upper
117 100
119 95.9 76.6 114.8
201 99.4 74.8 112.2

Manual Integrations
APPROVED

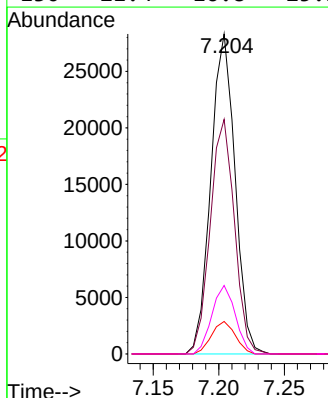
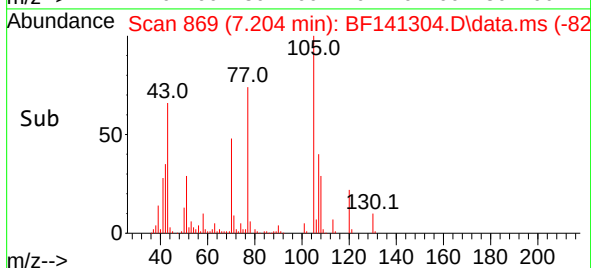
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

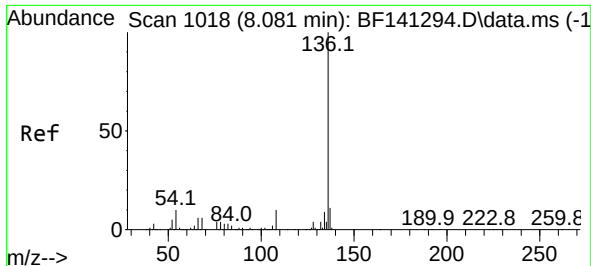


#19
n-Nitroso-di-n-propylamine
Concen: 5.321 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.024 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23



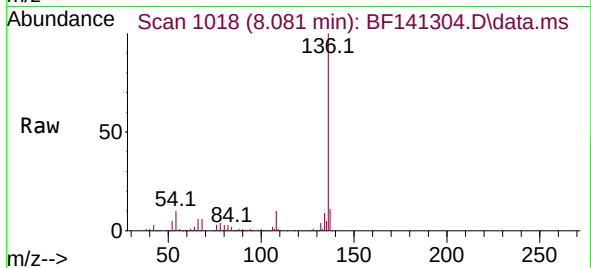
Tgt Ion: 70 Resp: 36289
Ion Ratio Lower Upper
70 100
42 73.3 56.8 85.2
101 10.2 7.7 11.5
130 21.4 16.8 25.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

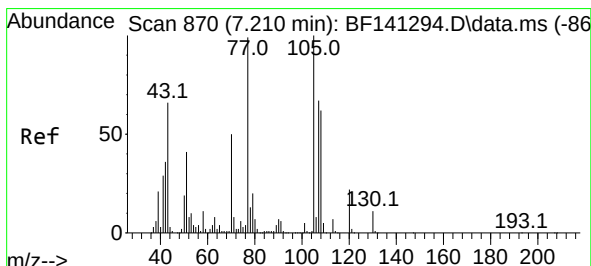
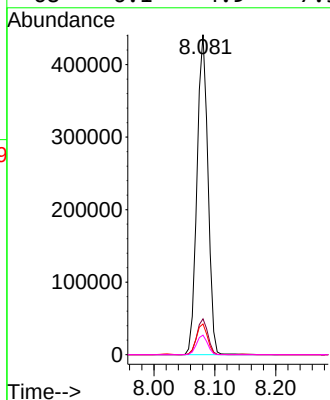
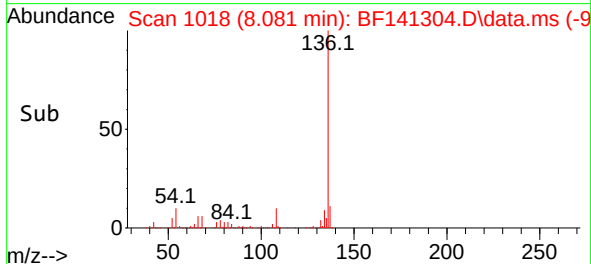
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025



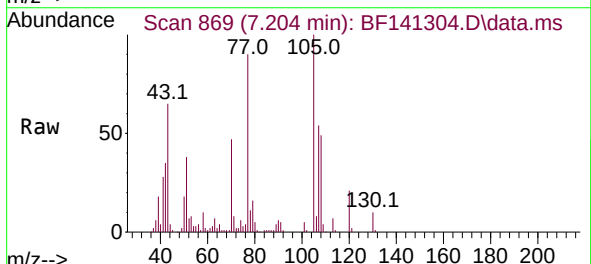
Tgt Ion:	136	Resp:	550579
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	13.0
54	9.6	7.8	11.8
68	6.1	4.9	7.3

Manual Integrations
APPROVED

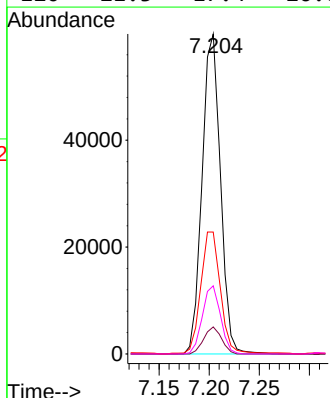
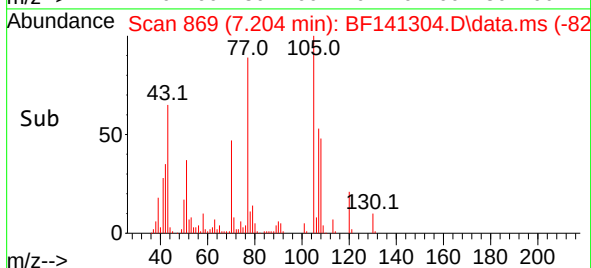
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

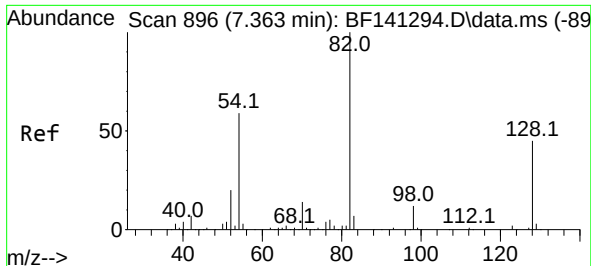


#22
Acetophenone
Concen: 5.847 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23



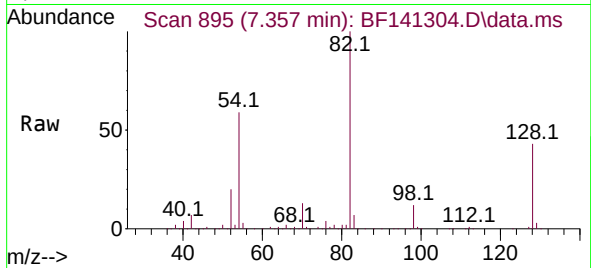
Tgt Ion:	105	Resp:	76526
Ion Ratio	Lower	Upper	
105	100		
71	8.4	6.8	10.2
51	38.1	32.6	49.0
120	21.3	17.4	26.0





#23
Nitrobenzene-d5
Concen: 70.411 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

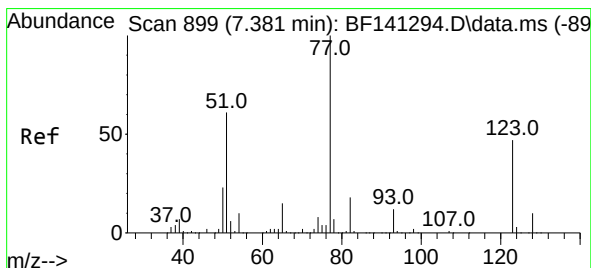
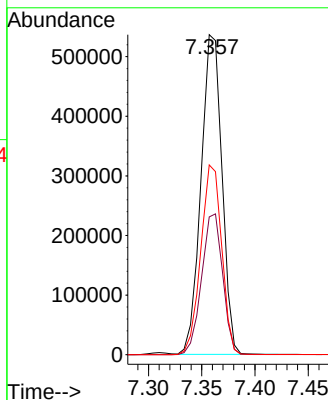
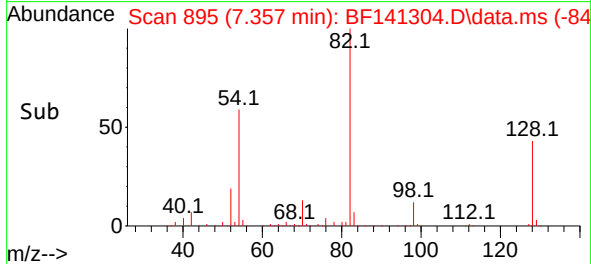
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025



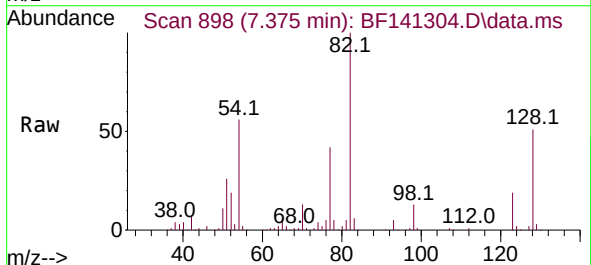
Tgt Ion: 82 Resp: 73538
Ion Ratio Lower Upper
82 100
128 43.1 35.7 53.5
54 59.3 47.1 70.7

Manual Integrations
APPROVED

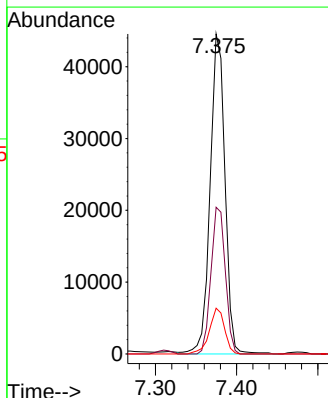
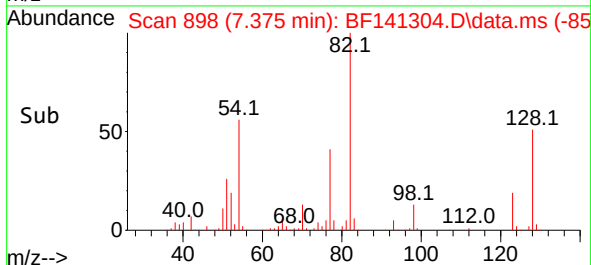
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

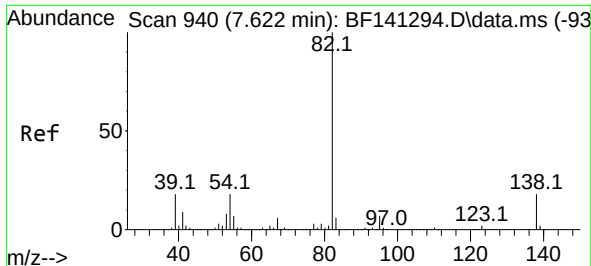


#24
Nitrobenzene
Concen: 5.225 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.018 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23



Tgt Ion: 77 Resp: 56557
Ion Ratio Lower Upper
77 100
123 45.8 37.3 55.9
65 14.3 11.8 17.6





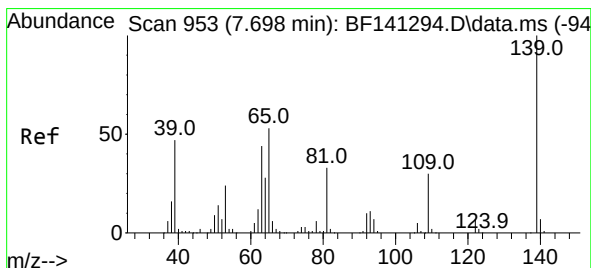
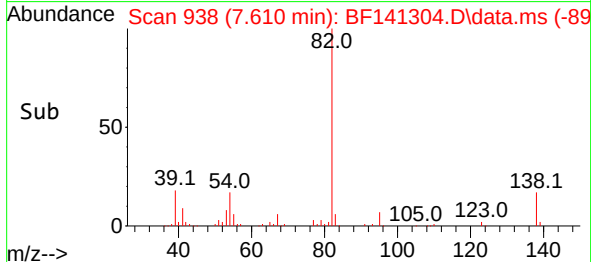
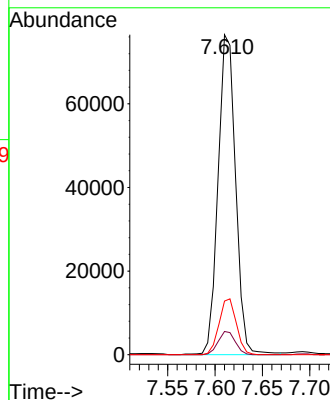
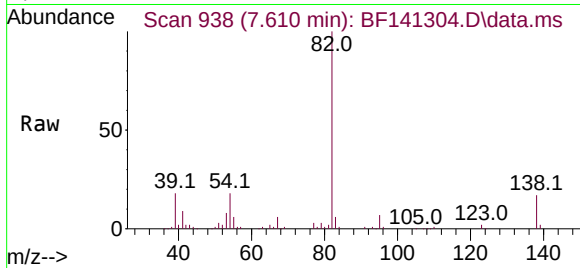
#25
Isophorone
Concen: 5.480 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion: 82 Resp: 98938
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.6
138 16.7 14.7 22.1

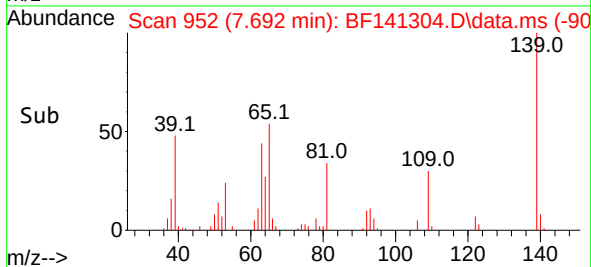
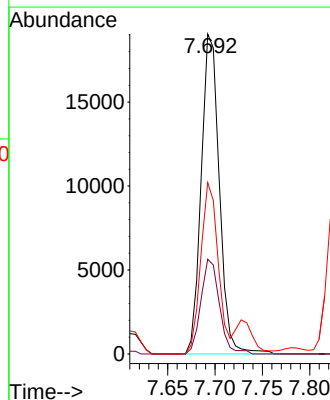
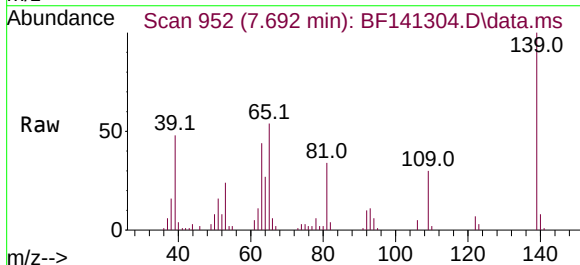
Manual Integrations
APPROVED

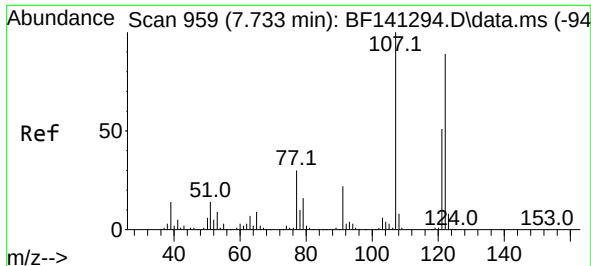
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#26
2-Nitrophenol
Concen: 4.984 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:139 Resp: 25440
Ion Ratio Lower Upper
139 100
109 29.6 23.8 35.6
65 53.5 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 3.855 ng m

RT: 7.728 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF141304.D

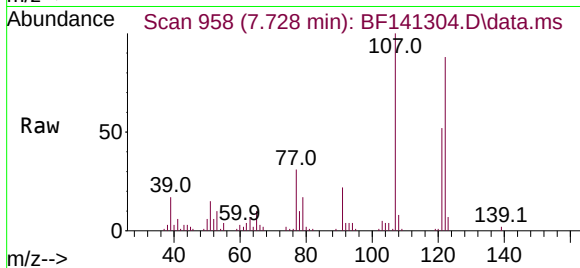
Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

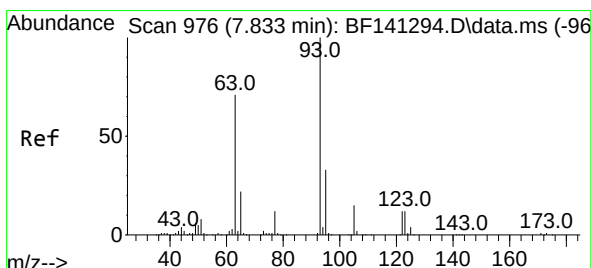
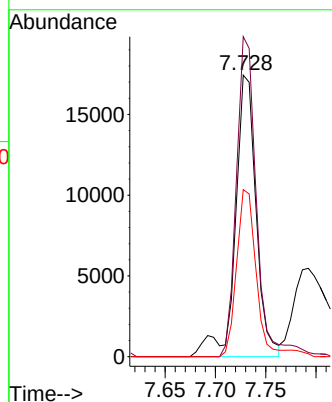
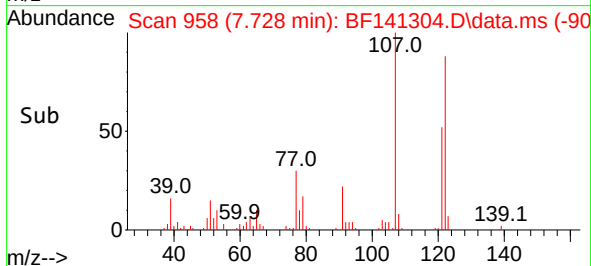


Tgt Ion:	122	Resp:	2504
Ion	Ratio	Lower	Upper
122	100		
107	113.6	89.9	134.9
121	59.3	46.1	69.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#28

bis(2-Chloroethoxy)methane

Concen: 5.287 ng

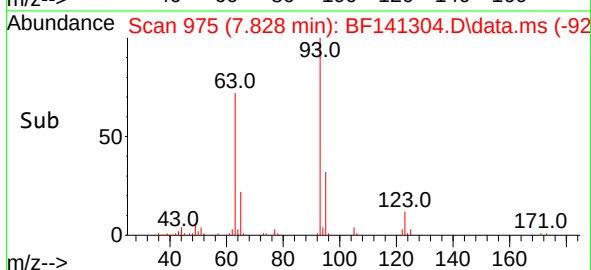
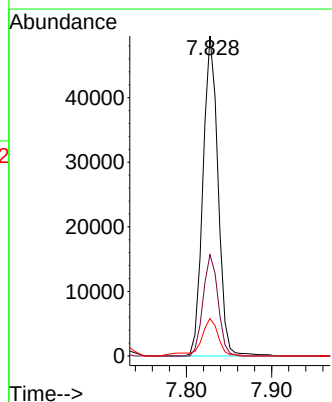
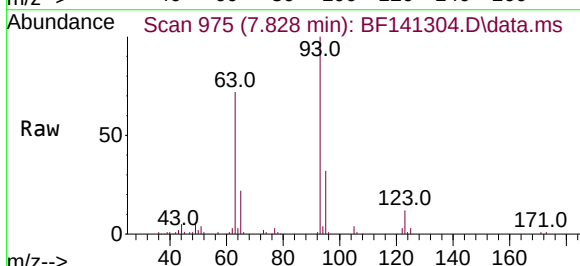
RT: 7.828 min Scan# 975

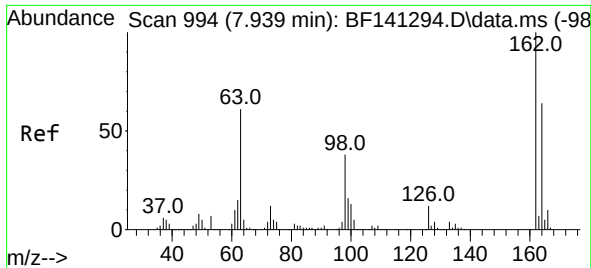
Delta R.T. -0.012 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Tgt Ion:	93	Resp:	60881
Ion	Ratio	Lower	Upper
93	100		
95	31.6	26.2	39.2
123	11.7	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 5.091 ng

RT: 7.933 min Scan# 994

Delta R.T. -0.012 min

Lab File: BF141304.D

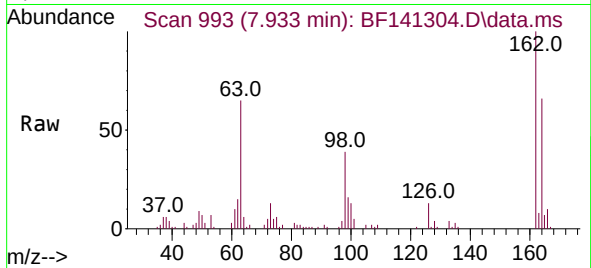
Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

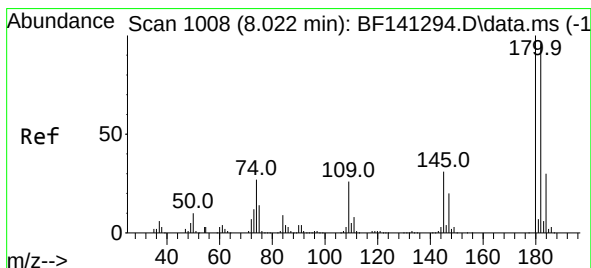
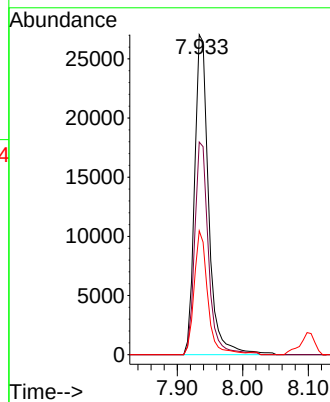
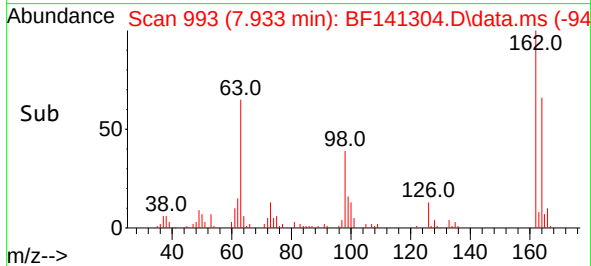


Tgt Ion:	162	Resp:	4049
Ion Ratio	Lower	Upper	
162	100		
164	66.5	44.2	84.2
98	38.7	18.2	58.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#30

1,2,4-Trichlorobenzene

Concen: 5.050 ng

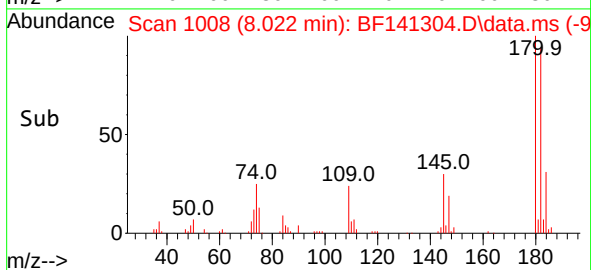
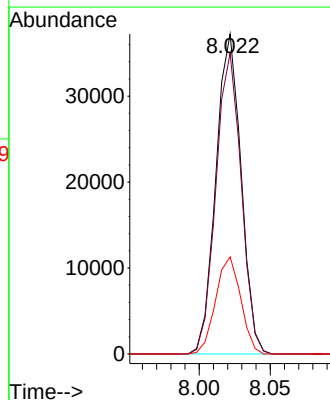
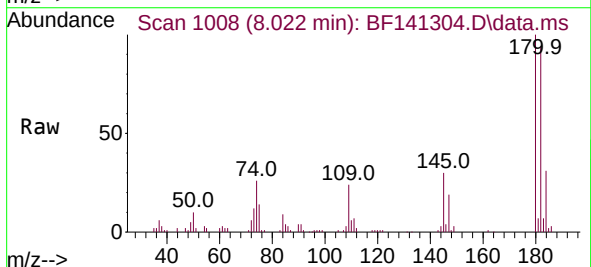
RT: 8.022 min Scan# 1008

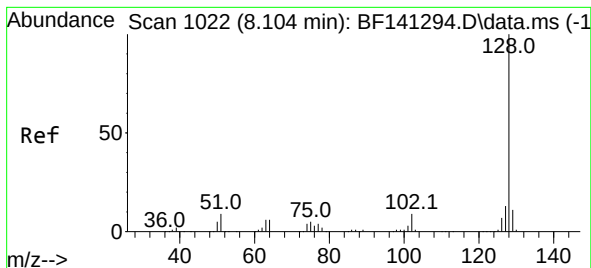
Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Tgt Ion:	180	Resp:	45872
Ion Ratio	Lower	Upper	
180	100		
182	94.0	76.4	114.6
145	30.3	24.9	37.3





#31

Naphthalene

Concen: 5.327 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.012 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

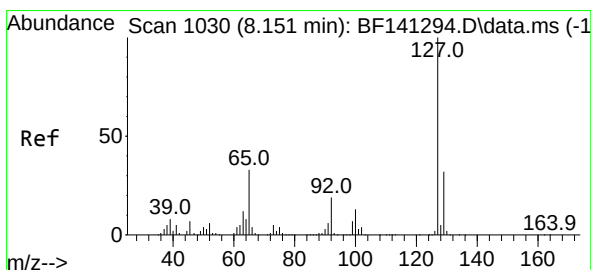
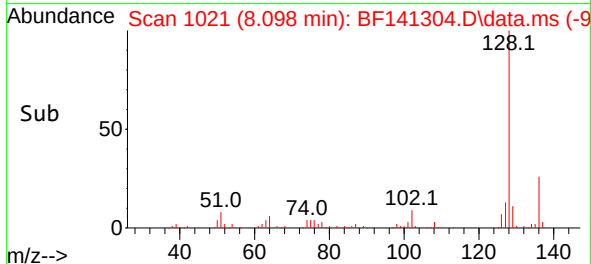
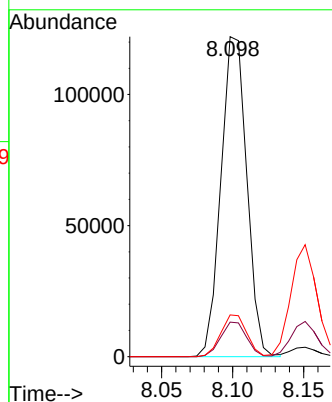
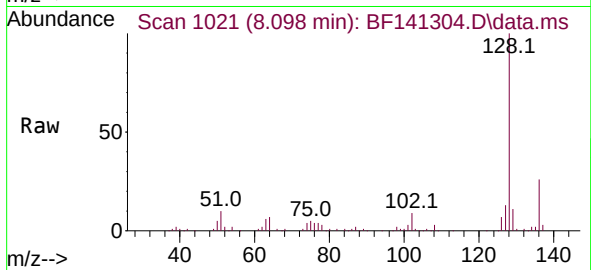
LOQ-SOIL-02-QT1-2025

Tgt Ion:128	Resp: 154930
Ion Ratio	Lower Upper
128 100	
129 10.8	8.9 13.3
127 13.1	10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#33

4-Chloroaniline

Concen: 5.810 ng

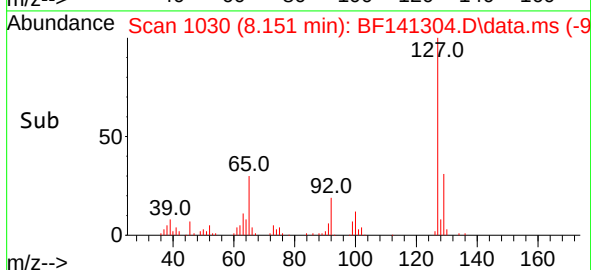
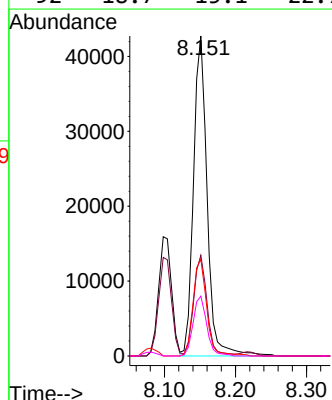
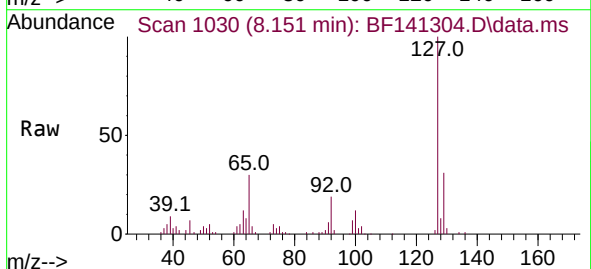
RT: 8.151 min Scan# 1030

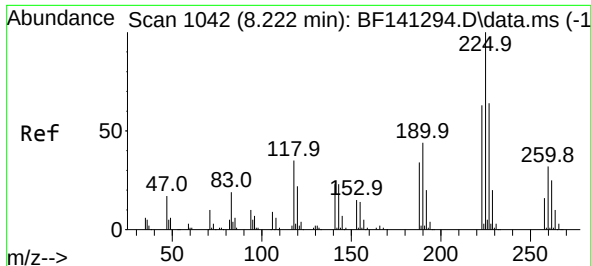
Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

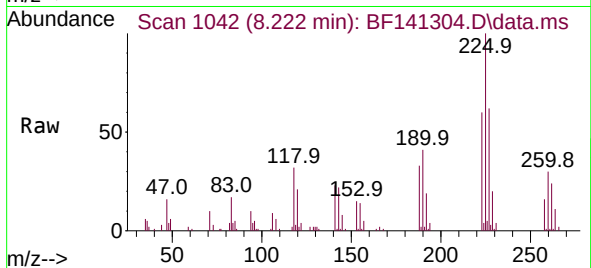
Tgt Ion:127	Resp: 57309
Ion Ratio	Lower Upper
127 100	
129 31.4	25.7 38.5
65 30.1	26.4 39.6
92 18.7	15.1 22.7





#34
Hexachlorobutadiene
Concen: 5.018 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

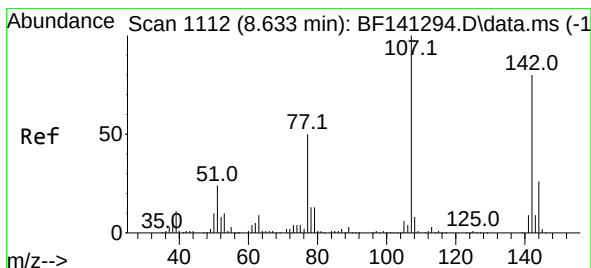
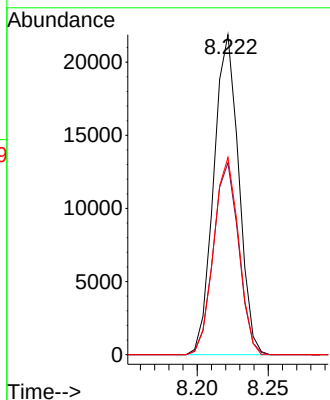
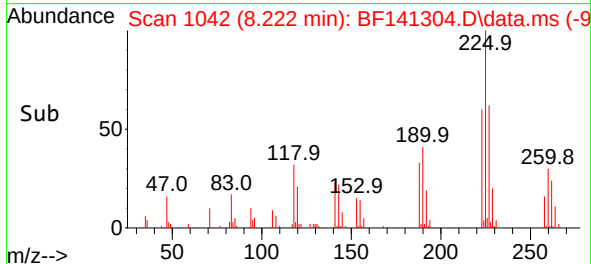
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT1-2025



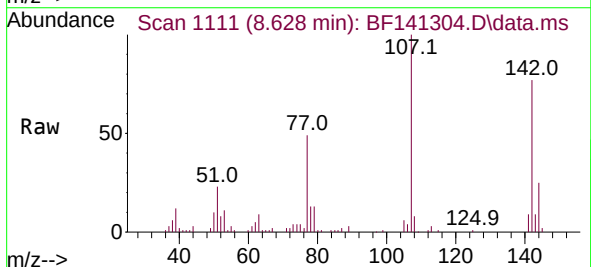
Tgt Ion: 225 Resp: 26728
Ion Ratio Lower Upper
225 100
223 60.0 50.4 75.6
227 61.6 51.3 76.9

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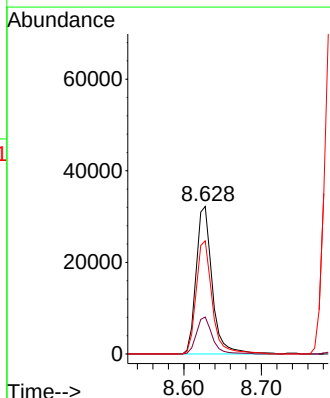
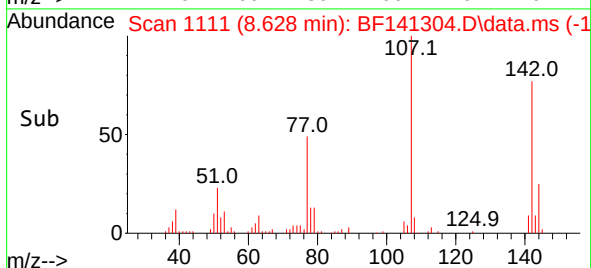
Reviewed By : Jagrut Upadhyay 01/30/2025
Supervised By : mohammad ahmed 01/31/2025

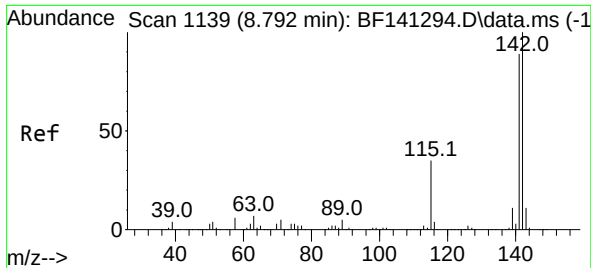


#36
4-Chloro-3-methylphenol
Concen: 5.450 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23



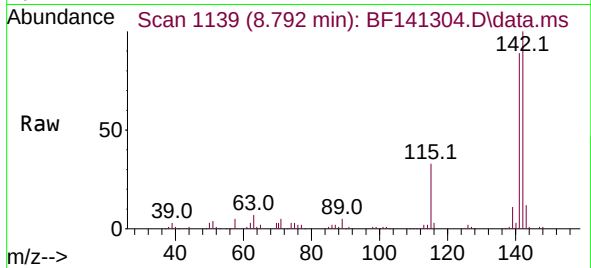
Tgt Ion: 107 Resp: 46494
Ion Ratio Lower Upper
107 100
144 25.0 20.7 31.1
142 76.7 63.8 95.8





#37
2-Methylnaphthalene
Concen: 5.467 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

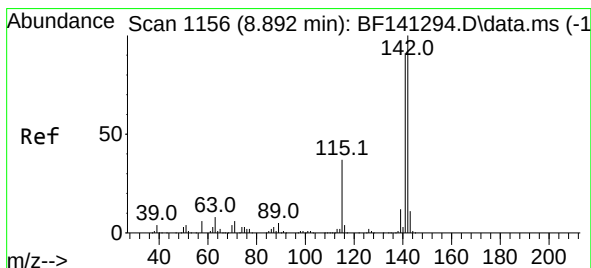
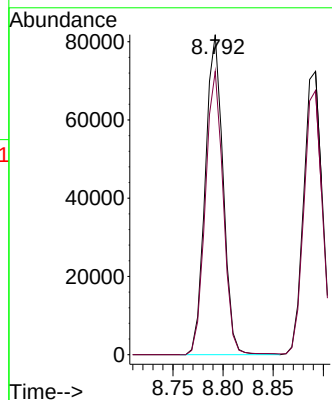
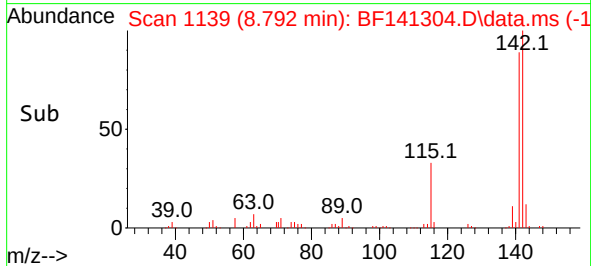
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT1-2025



Tgt Ion:142 Resp: 101060
Ion Ratio Lower Upper
142 100
141 88.5 71.3 106.9

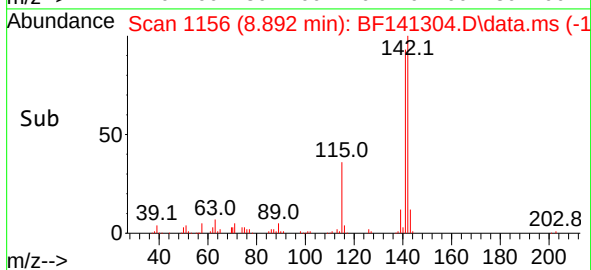
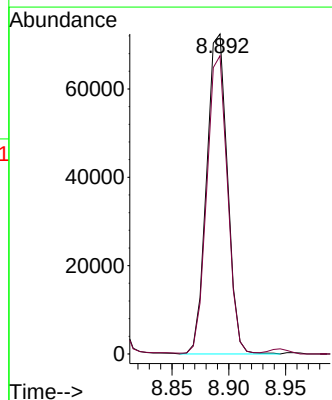
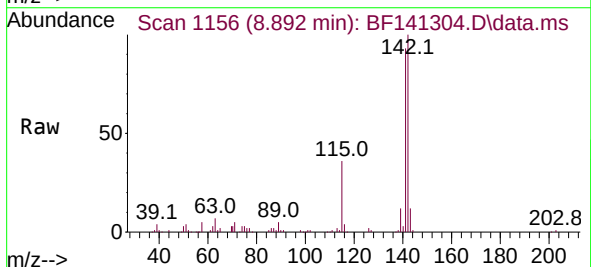
Manual Integrations
APPROVED

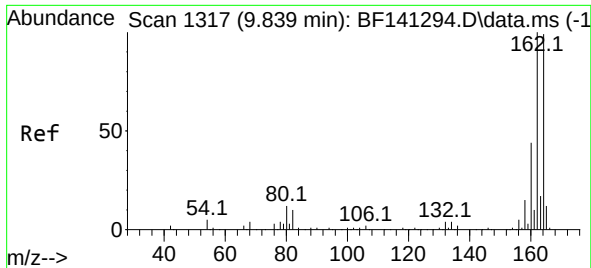
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#38
1-Methylnaphthalene
Concen: 5.085 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

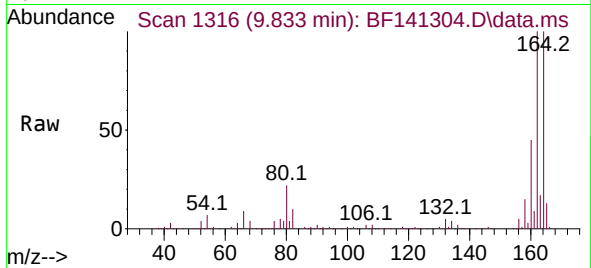
Tgt Ion:142 Resp: 92339
Ion Ratio Lower Upper
142 100
141 93.2 73.2 109.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

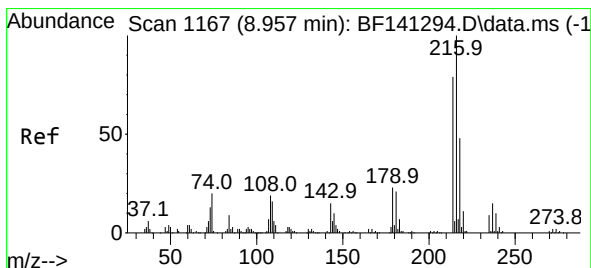
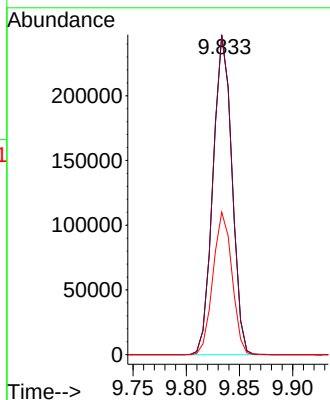
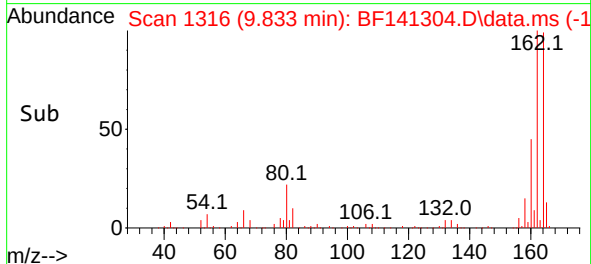
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:164 Resp: 304530
Ion Ratio Lower Upper
164 100
162 100.1 80.6 121.0
160 44.6 35.8 53.6

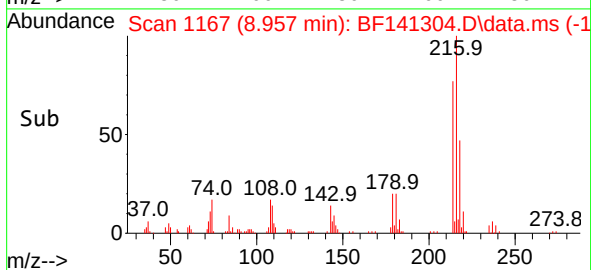
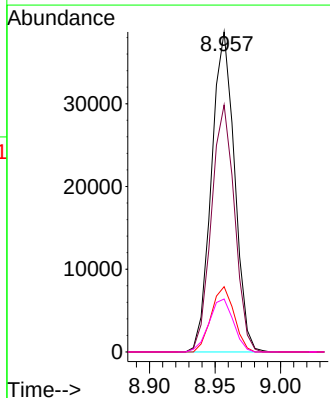
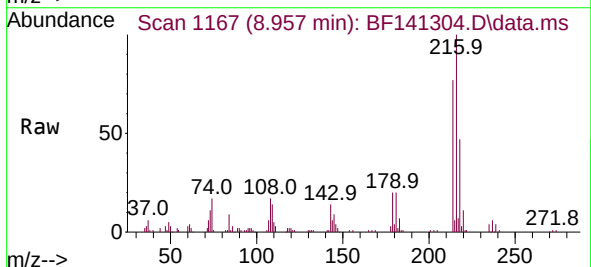
Manual Integrations
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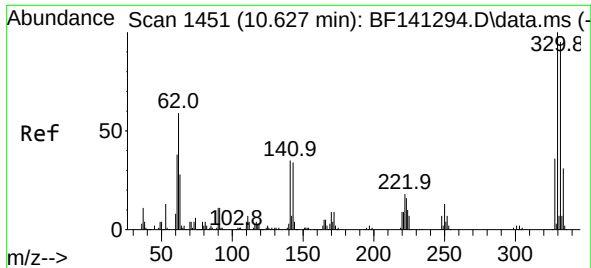
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.457 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

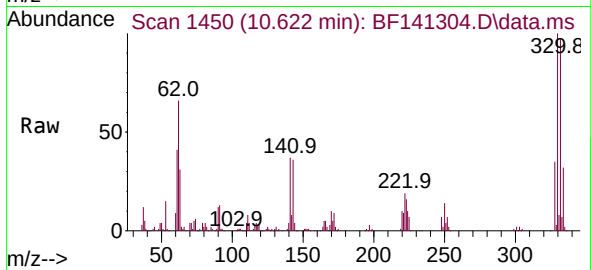
Tgt Ion:216 Resp: 47282
Ion Ratio Lower Upper
216 100
214 77.3 63.2 94.8
179 20.3 17.8 26.8
108 17.5 15.0 22.6





#42
2,4,6-Tribromophenol
Concen: 95.783 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

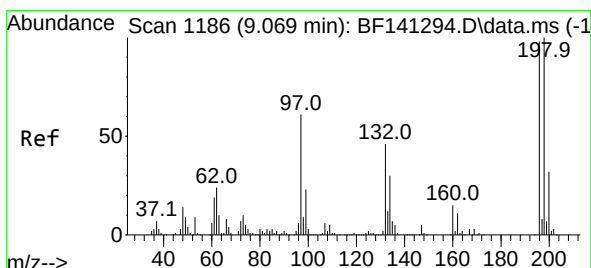
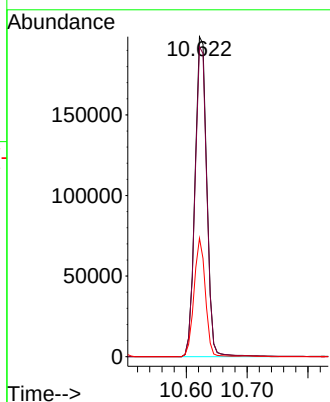
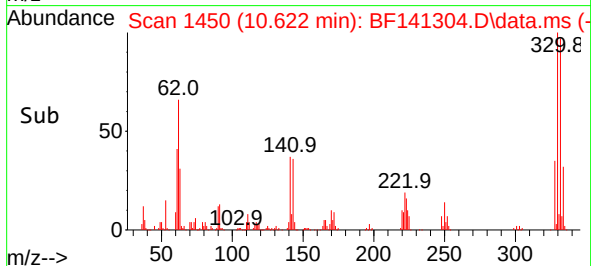
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:330 Resp: 26741
Ion Ratio Lower Upper
330 100
332 97.5 76.1 114.1
141 35.4 28.8 43.2

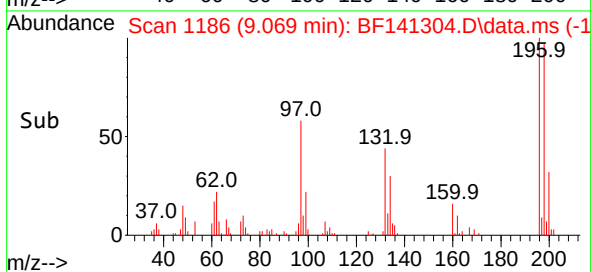
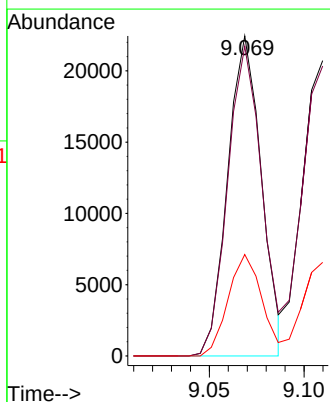
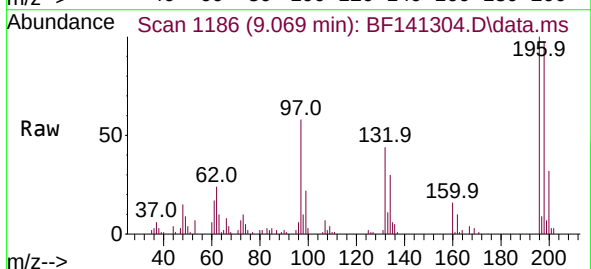
Manual Integrations
APPROVED

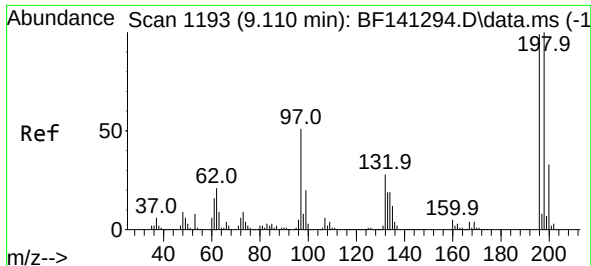
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#43
2,4,6-Trichlorophenol
Concen: 4.902 ng
RT: 9.069 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

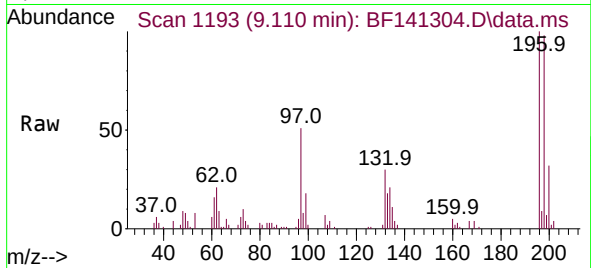
Tgt Ion:196 Resp: 27798
Ion Ratio Lower Upper
196 100
198 96.8 81.8 122.6
200 31.7 26.3 39.5





#44
2,4,5-Trichlorophenol
Concen: 4.920 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

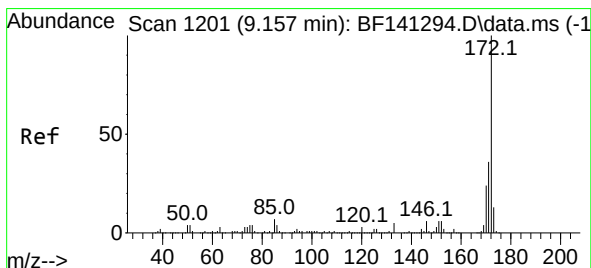
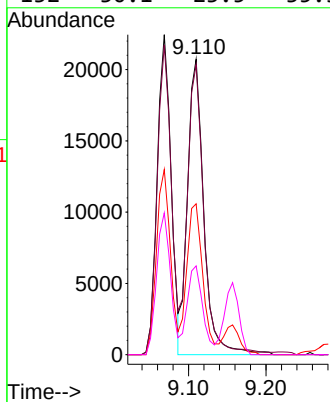
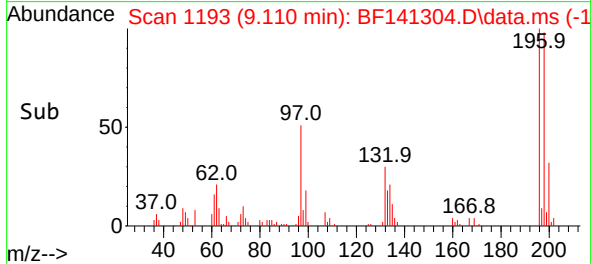
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:196 Resp: 30364
Ion Ratio Lower Upper
196 100
198 98.1 80.5 120.7
97 51.1 42.8 64.2
132 30.1 23.5 35.3

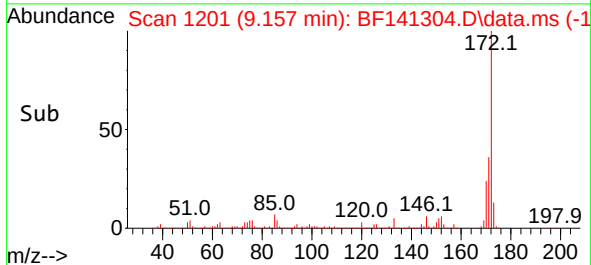
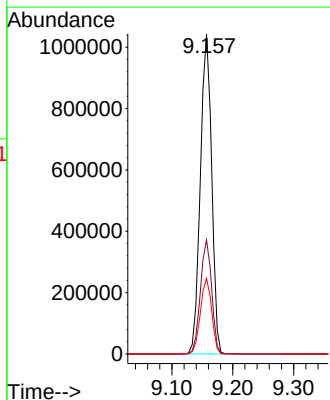
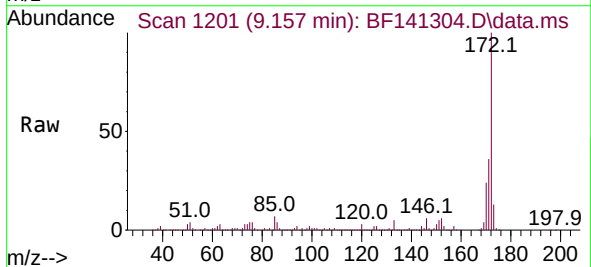
Manual Integrations
APPROVED

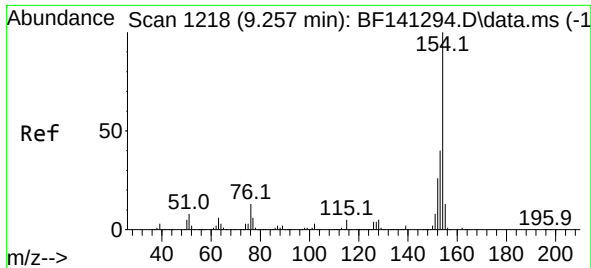
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#45
2-Fluorobiphenyl
Concen: 67.731 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

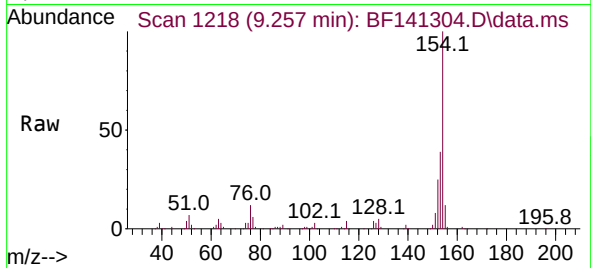
Tgt Ion:172 Resp: 1340092
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.7 19.0 28.6





#46
1,1'-Biphenyl
Concen: 5.768 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

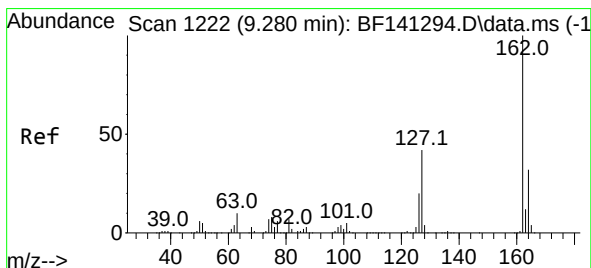
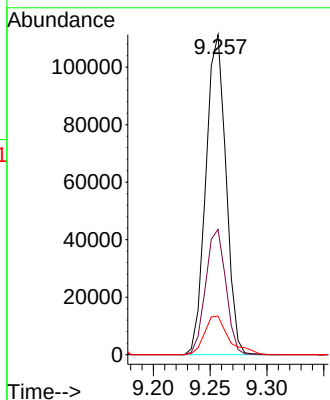
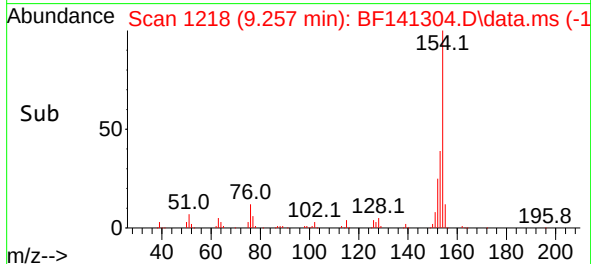
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT1-2025



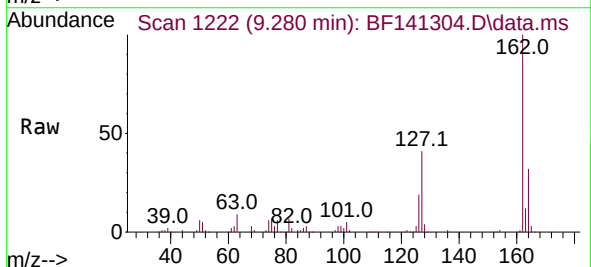
Tgt Ion:154 Resp: 136999
Ion Ratio Lower Upper
154 100
153 39.1 20.0 60.0
76 12.0 0.0 32.8

Manual Integrations
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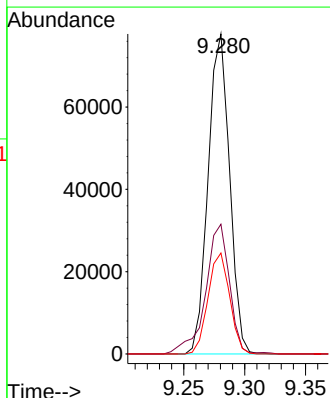
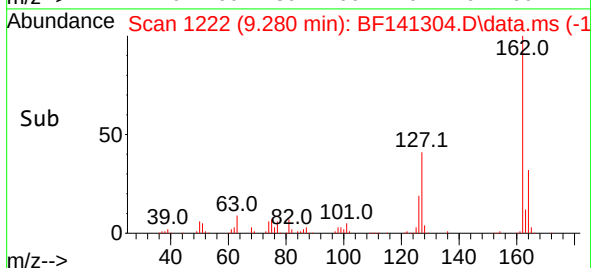
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

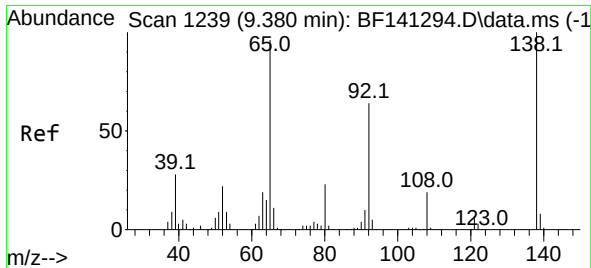


#47
2-Chloronaphthalene
Concen: 5.162 ng
RT: 9.280 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23



Tgt Ion:162 Resp: 95551
Ion Ratio Lower Upper
162 100
127 40.5 33.7 50.5
164 31.6 25.9 38.9





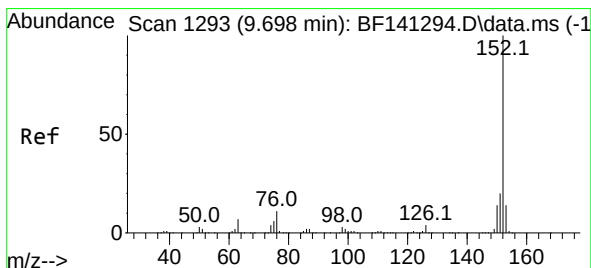
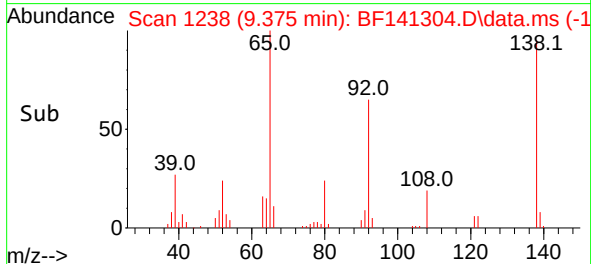
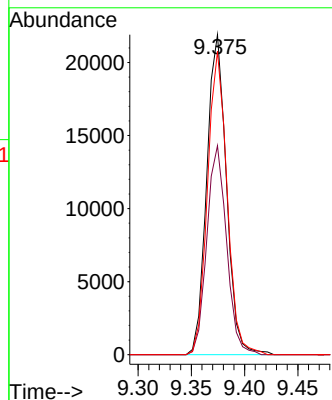
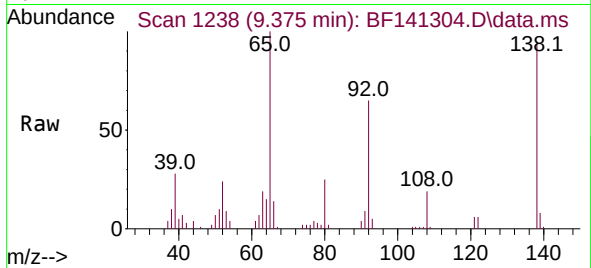
#48
2-Nitroaniline
Concen: 4.836 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT1-2025

Tgt Ion: 65 Resp: 28150
Ion Ratio Lower Upper
65 100
92 65.3 53.3 79.9
138 94.8 83.6 125.4

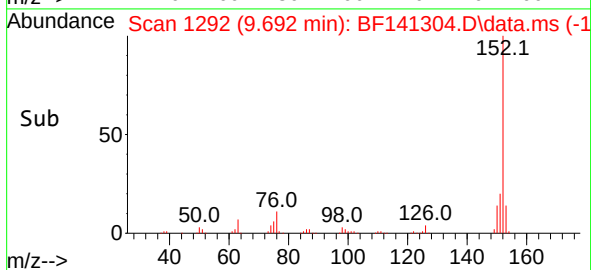
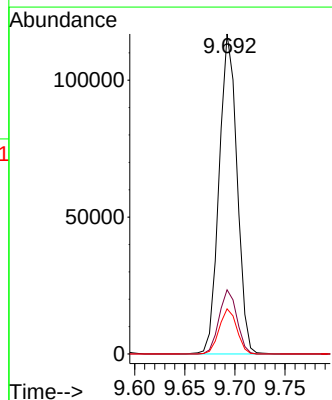
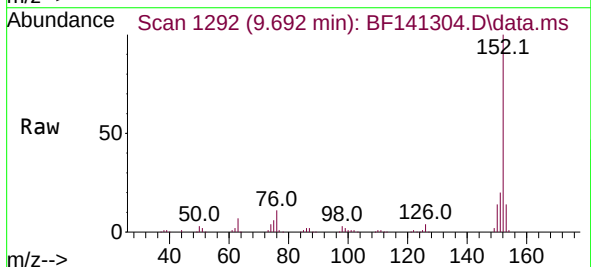
Manual Integrations
APPROVED

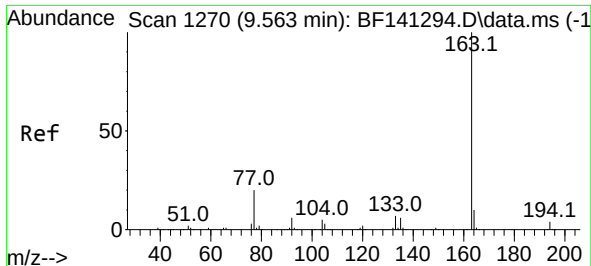
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#49
Acenaphthylene
Concen: 5.605 ng
RT: 9.692 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

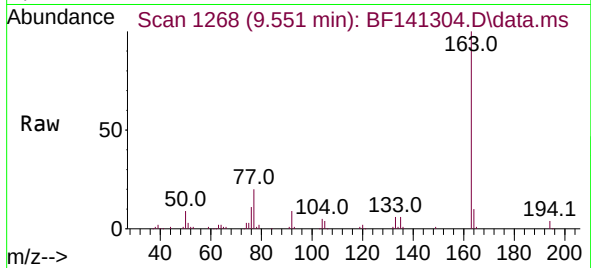
Tgt Ion:152 Resp: 145247
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.2
153 14.1 11.0 16.6





#50
Dimethylphthalate
Concen: 5.344 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

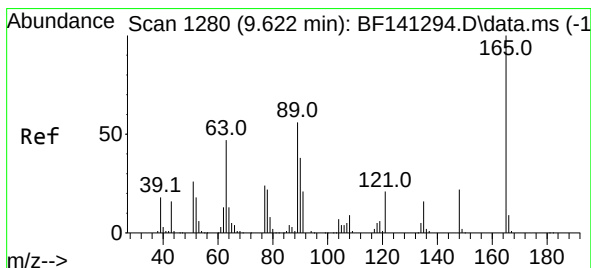
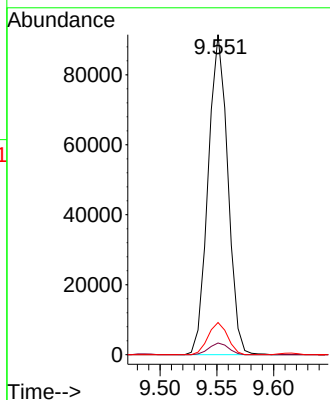
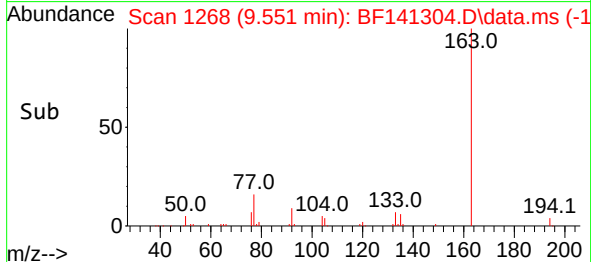
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025



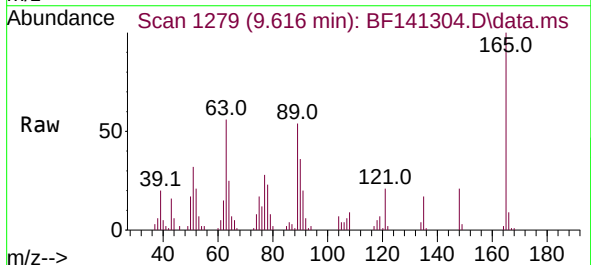
Tgt Ion:163 Resp: 109910
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.0 8.0 12.0

Manual Integrations
APPROVED

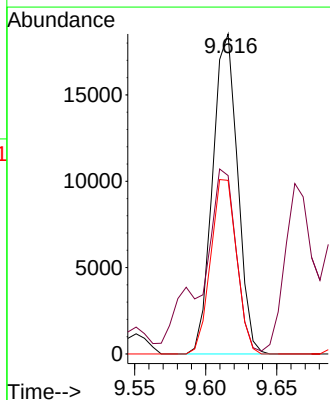
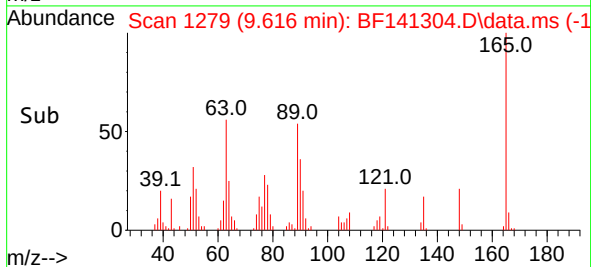
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

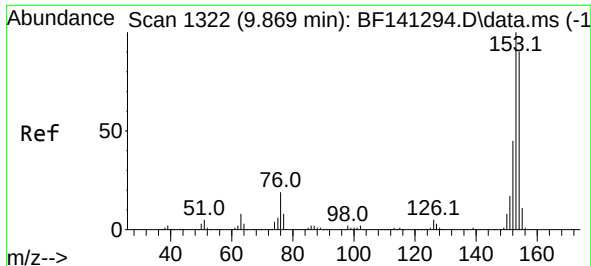


#51
2,6-Dinitrotoluene
Concen: 4.748 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23



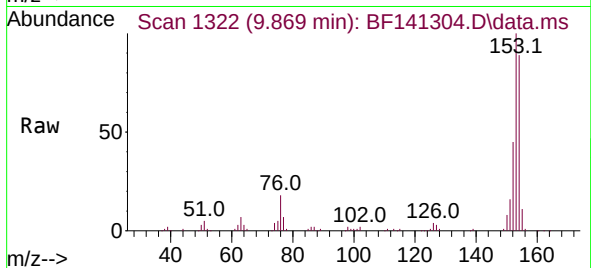
Tgt Ion:165 Resp: 22676
Ion Ratio Lower Upper
165 100
63 55.8 48.1 72.1
89 54.3 44.9 67.3





#52
Acenaphthene
Concen: 5.243 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

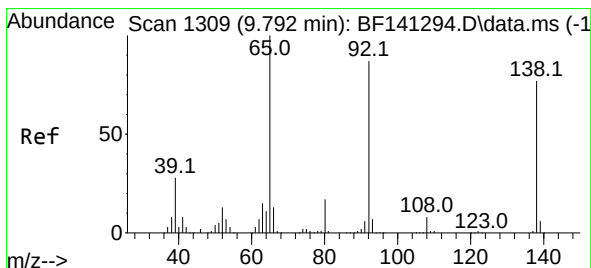
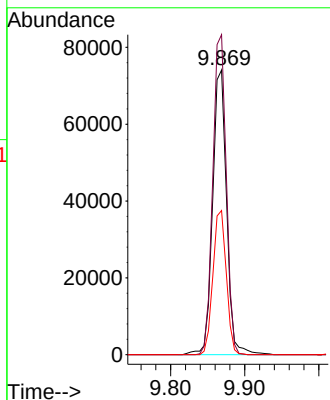
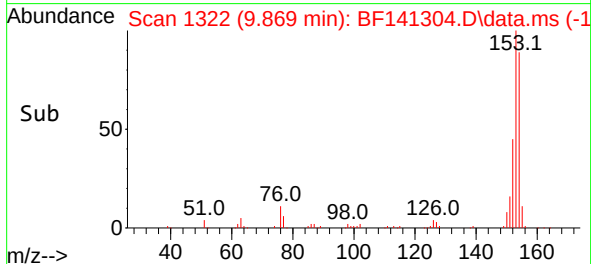
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025



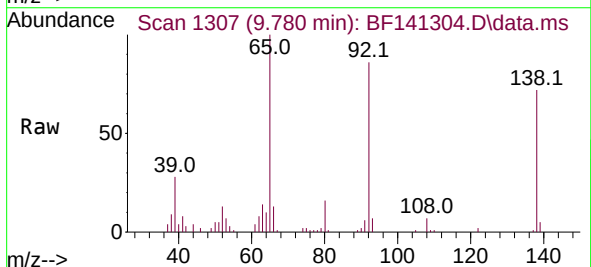
Tgt Ion:154 Resp: 97050
Ion Ratio Lower Upper
154 100
153 112.4 89.0 133.4
152 50.6 40.2 60.4

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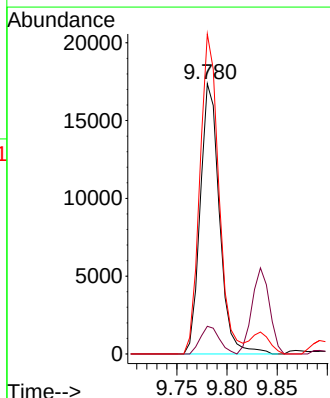
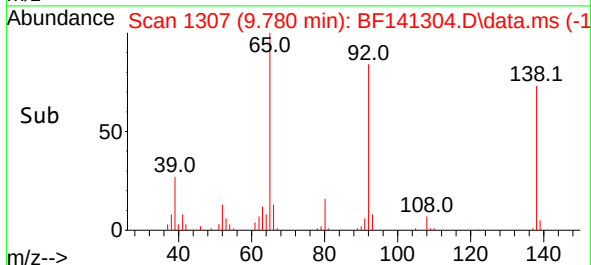
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

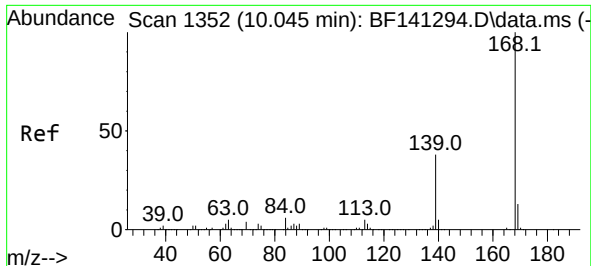


#53
3-Nitroaniline
Concen: 4.962 ng
RT: 9.780 min Scan# 1307
Delta R.T. -0.018 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23



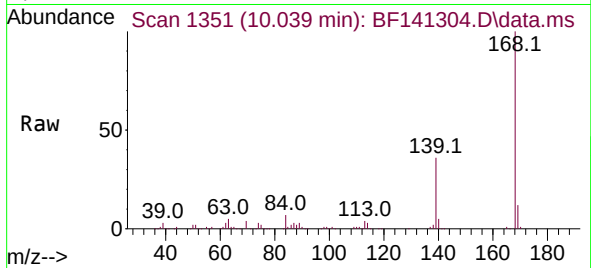
Tgt Ion:138 Resp: 23226
Ion Ratio Lower Upper
138 100
108 10.2 8.6 12.8
92 118.4 91.0 136.6





#55
Dibenzenofuran
Concen: 5.571 ng
RT: 10.039 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

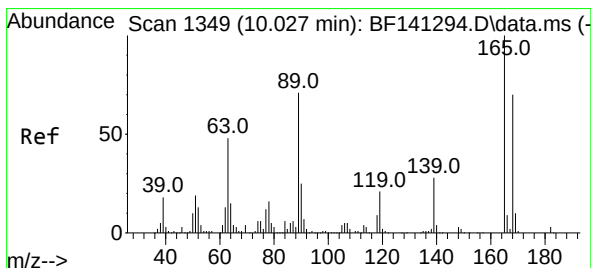
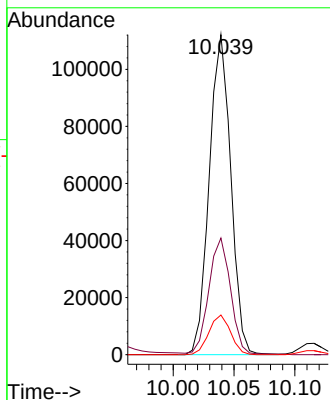
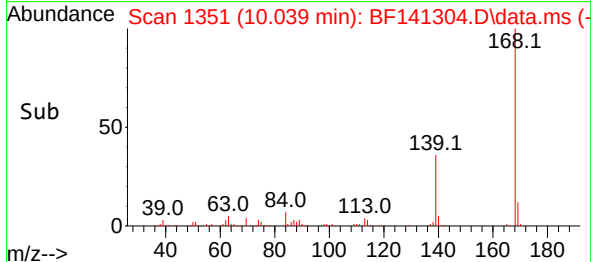
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:168 Resp: 138040
Ion Ratio Lower Upper
168 100
139 36.5 30.6 46.0
169 12.4 10.8 16.2

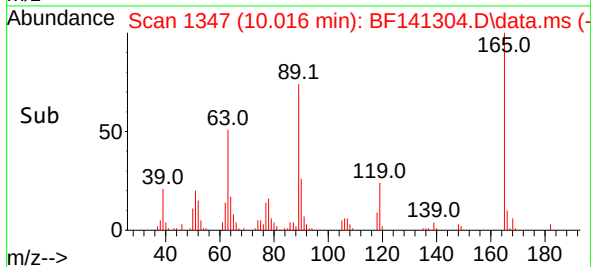
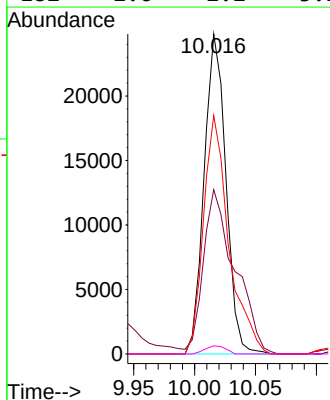
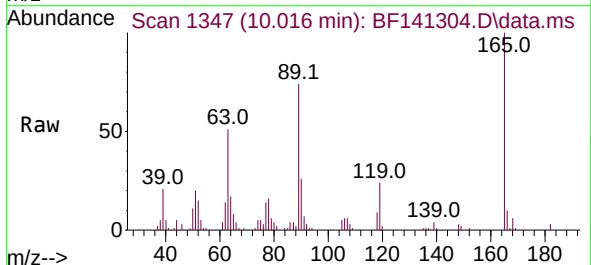
Manual Integrations
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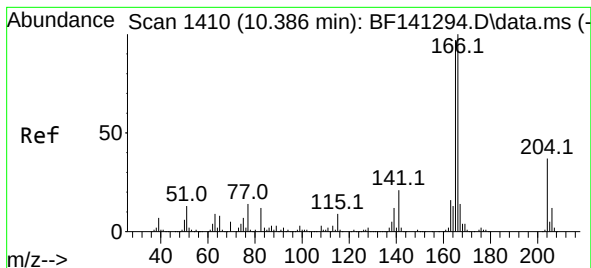
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#57
2,4-Dinitrotoluene
Concen: 4.974 ng
RT: 10.016 min Scan# 1347
Delta R.T. -0.018 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:165 Resp: 30753
Ion Ratio Lower Upper
165 100
63 51.4 39.2 58.8
89 74.5 56.9 85.3
182 2.6 2.2 3.2





#58

Fluorene

Concen: 5.653 ng

RT: 10.380 min Scan# 1410

Delta R.T. -0.012 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

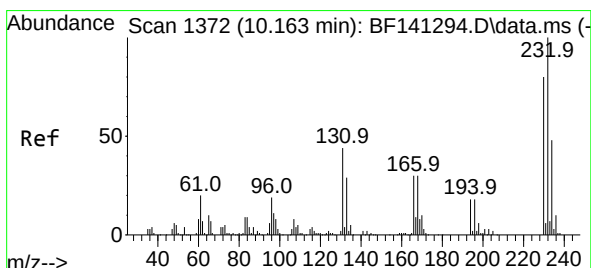
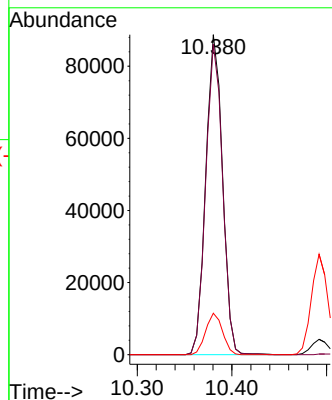
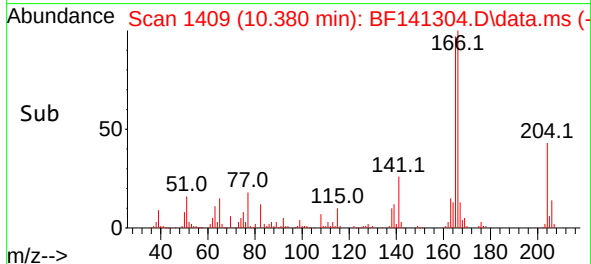
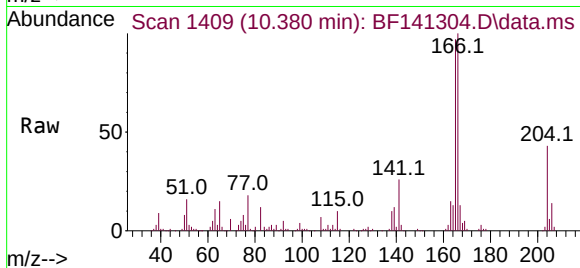
ClientSampleId :

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Tgt Ion:166 Resp: 10866
 Ion Ratio Lower Upper
 166 100
 165 97.1 77.5 116.3
 167 12.9 10.9 16.3

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Reviewed By :Jagrut Upadhyay 01/30/2025
 Supervised By :mohammad ahmed 01/31/2025



#59

2,3,4,6-Tetrachlorophenol

Concen: 5.125 ng

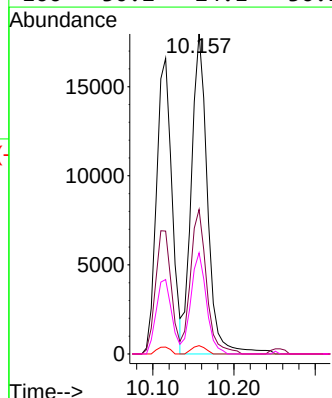
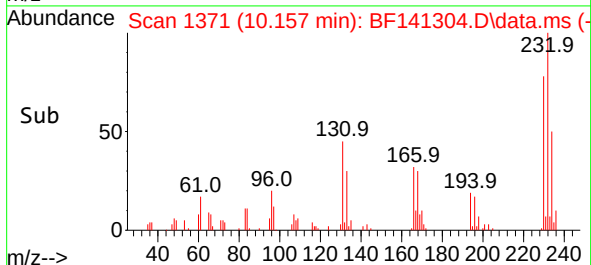
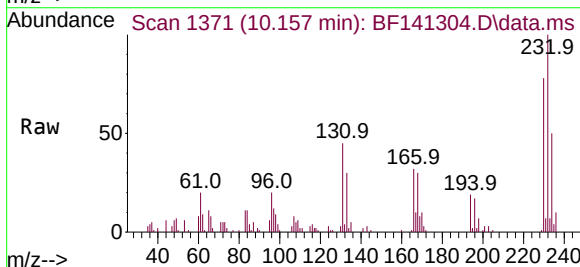
RT: 10.157 min Scan# 1371

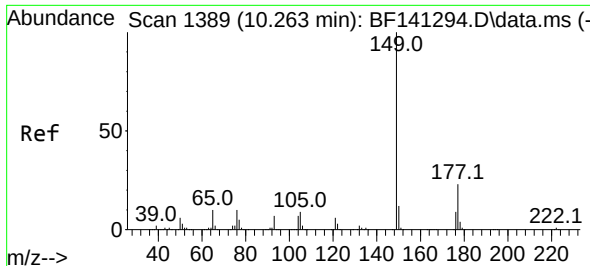
Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

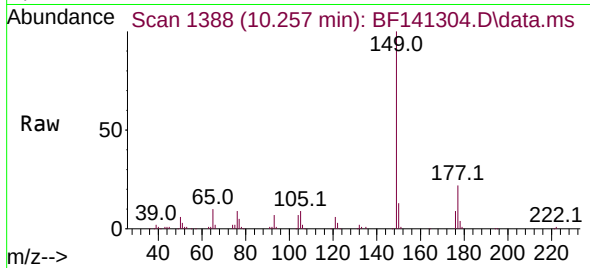
Tgt Ion:232 Resp: 24885
 Ion Ratio Lower Upper
 232 100
 131 44.8 36.4 54.6
 130 2.2 1.9 2.9
 166 30.2 24.1 36.1





#60
Diethylphthalate
Concen: 5.459 ng
RT: 10.257 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

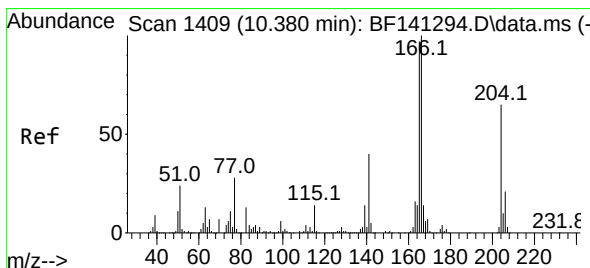
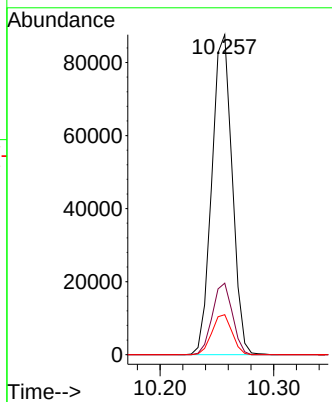
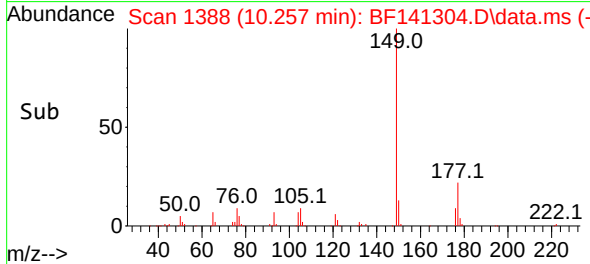
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025



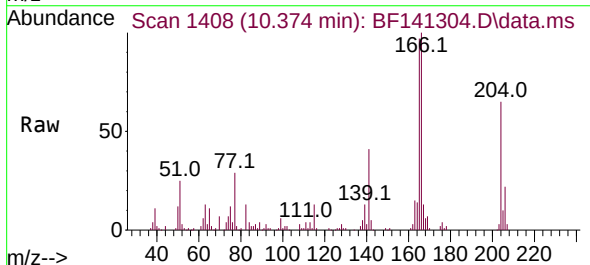
Tgt Ion:149 Resp: 10886
Ion Ratio Lower Upper
149 100
177 22.4 18.5 27.7
150 12.5 10.0 15.0

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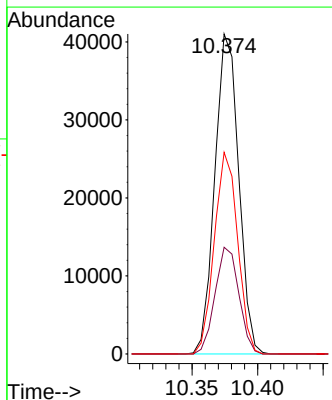
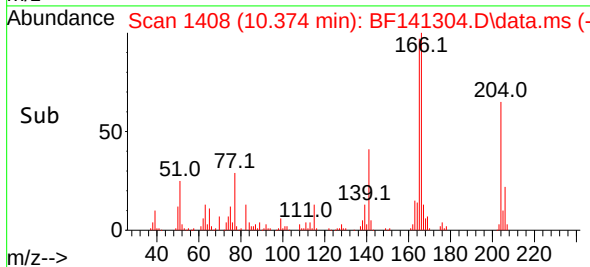
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

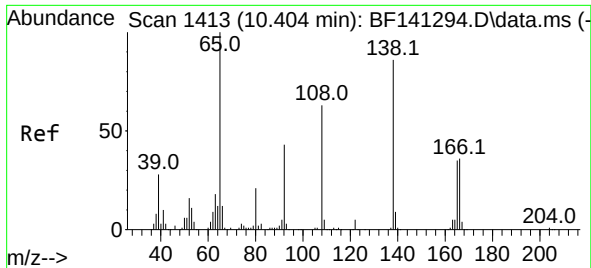


#61
4-Chlorophenyl-phenylether
Concen: 5.512 ng
RT: 10.374 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23



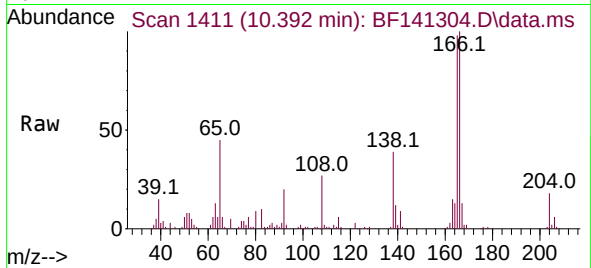
Tgt Ion:204 Resp: 51757
Ion Ratio Lower Upper
204 100
206 33.3 25.9 38.9
141 63.0 49.5 74.3





#62
4-Nitroaniline
Concen: 4.466 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.024 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

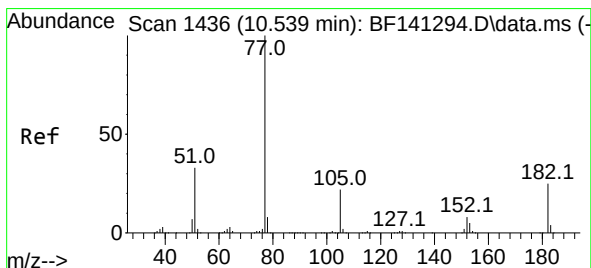
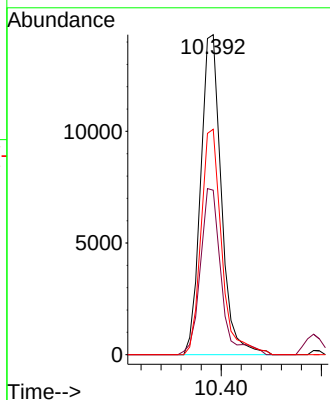
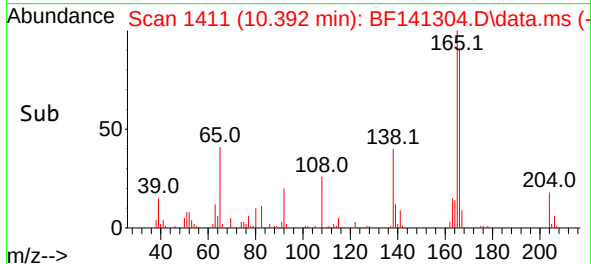
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025



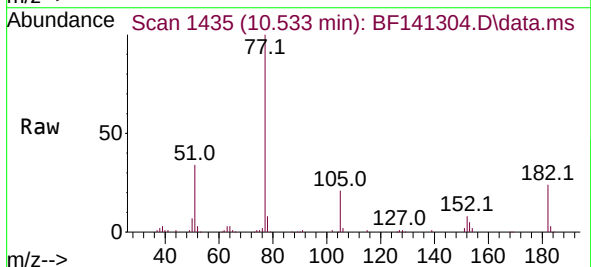
Tgt Ion:138 Resp: 2055
Ion Ratio Lower Upper
138 100
92 51.4 30.1 70.1
108 70.4 53.1 93.1

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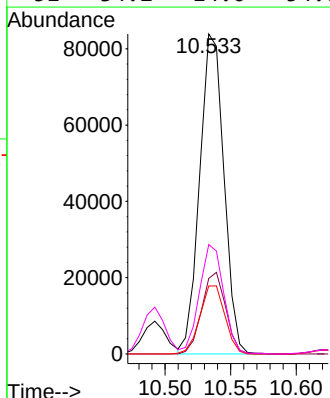
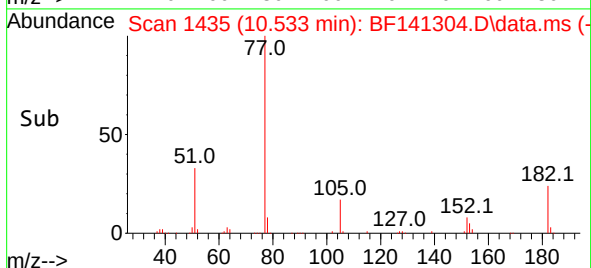
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

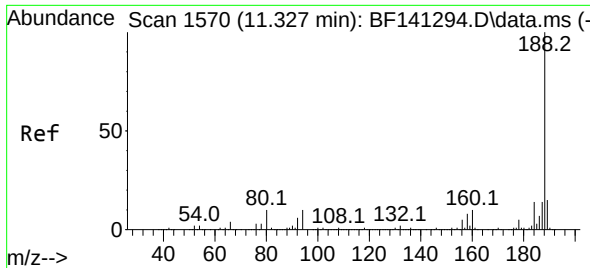


#63
Azobenzene
Concen: 5.421 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23



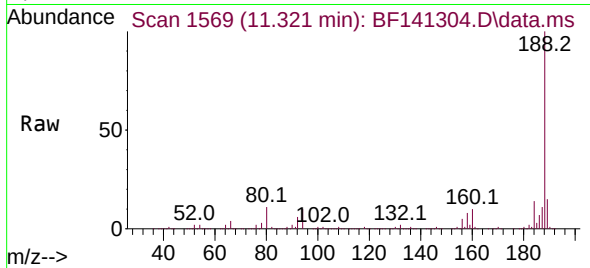
Tgt Ion: 77 Resp: 108219
Ion Ratio Lower Upper
77 100
182 23.6 5.1 45.1
105 21.3 1.8 41.8
51 34.2 14.0 54.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

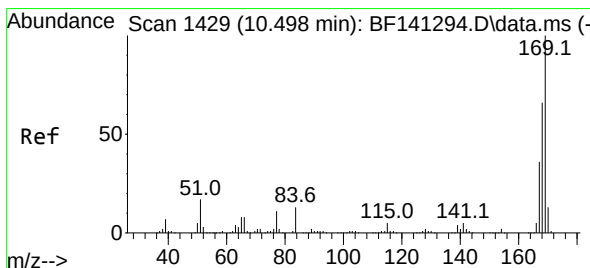
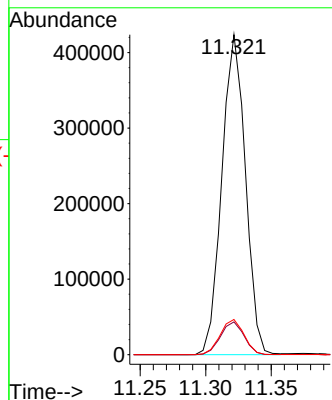
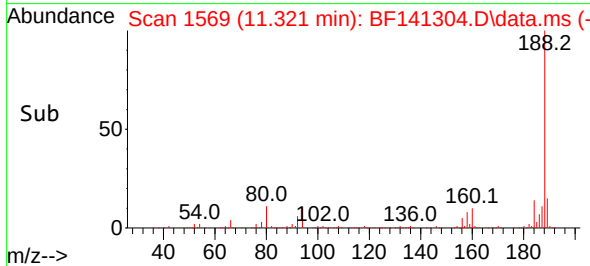
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025



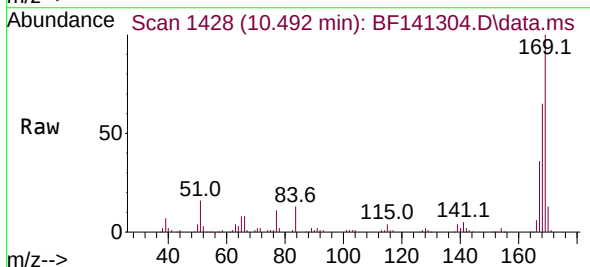
Tgt Ion:188 Resp: 52968
Ion Ratio Lower Upper
188 100
94 10.2 7.8 11.6
80 11.0 8.2 12.4

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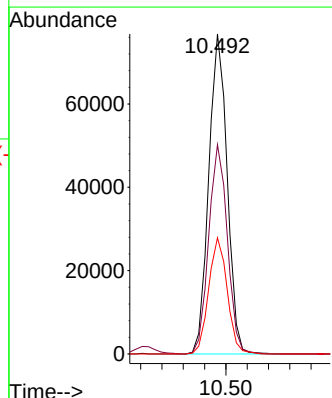
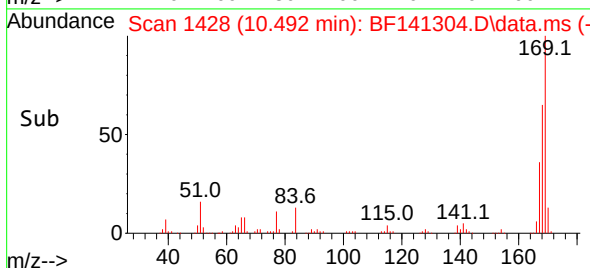
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

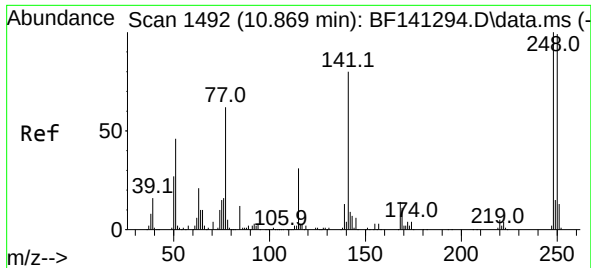


#66
n-Nitrosodiphenylamine
Concen: 5.390 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23



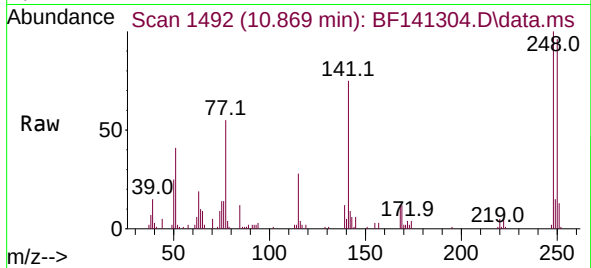
Tgt Ion:169 Resp: 92333
Ion Ratio Lower Upper
169 100
168 65.4 53.0 79.4
167 36.3 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 5.166 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

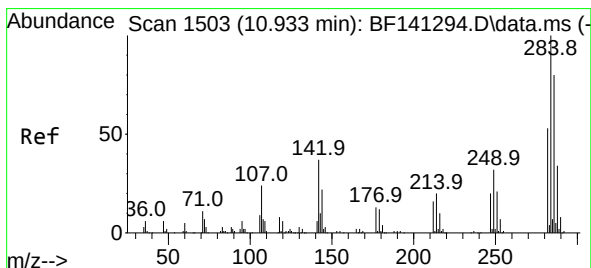
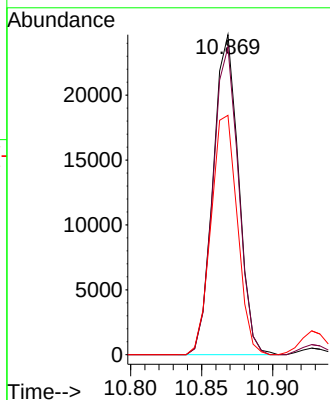
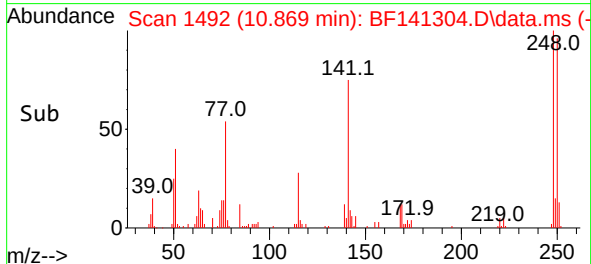
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025



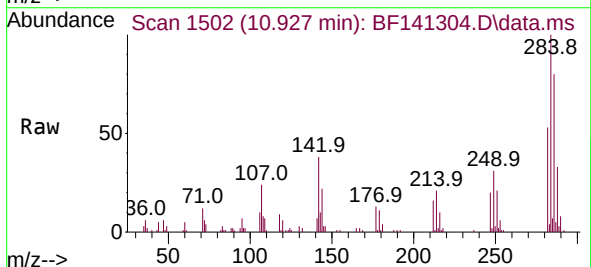
Tgt Ion:248 Resp: 30630
Ion Ratio Lower Upper
248 100
250 96.1 79.0 118.4
141 74.8 63.7 95.5

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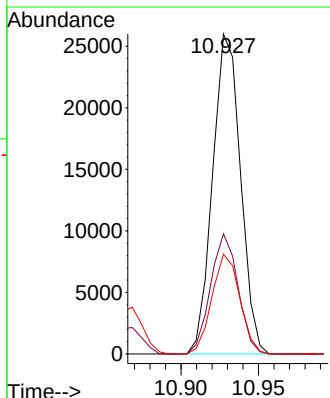
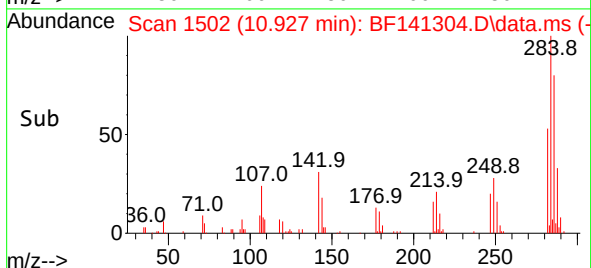
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

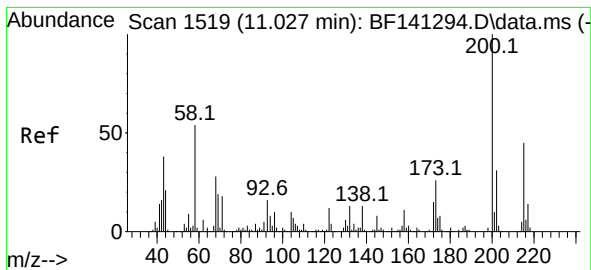


#68
Hexachlorobenzene
Concen: 5.166 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23



Tgt Ion:284 Resp: 32493
Ion Ratio Lower Upper
284 100
142 37.6 29.5 44.3
249 31.2 25.4 38.2





#69

Atrazine

Concen: 5.245 ng

RT: 11.016 min Scan# 11016

Delta R.T. -0.018 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

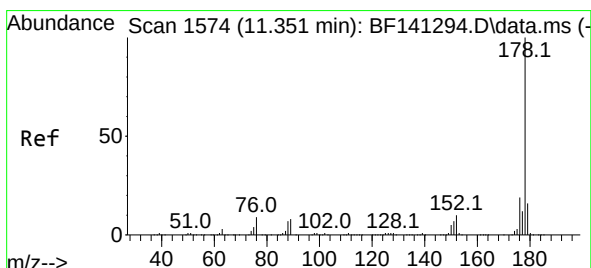
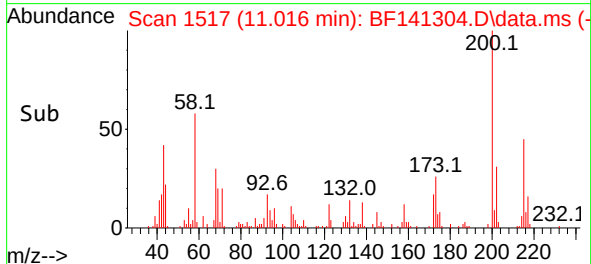
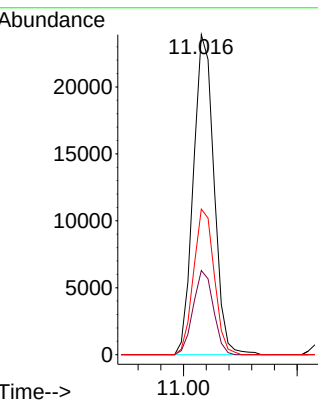
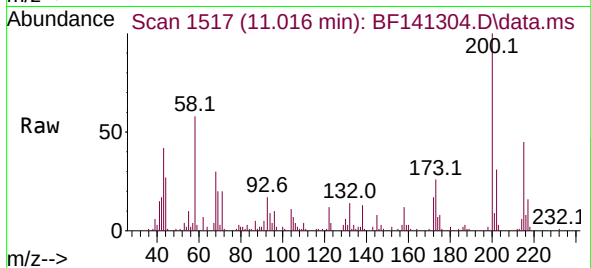
LOQ-SOIL-02-QT1-2025

Tgt Ion:200 Resp: 3004
 Ion Ratio Lower Upper
 200 100
 173 26.3 5.9 45.9
 215 45.5 25.2 65.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/30/2025
 Supervised By :mohammad ahmed 01/31/2025



#71

Phenanthrene

Concen: 5.620 ng

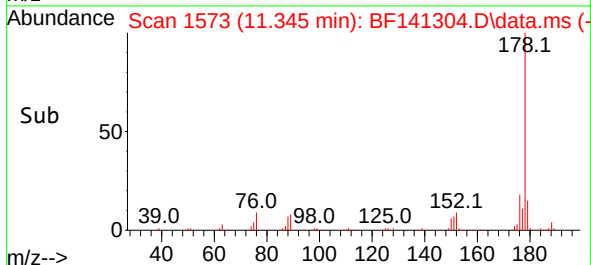
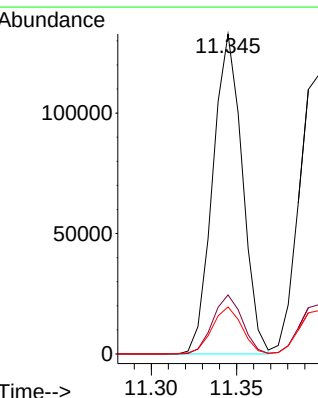
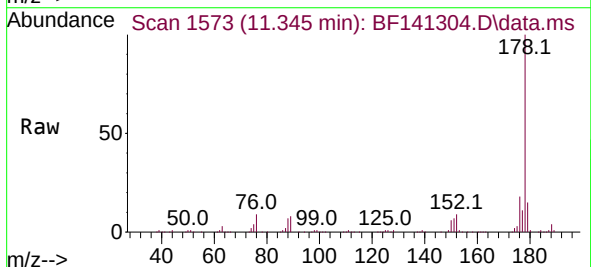
RT: 11.345 min Scan# 1573

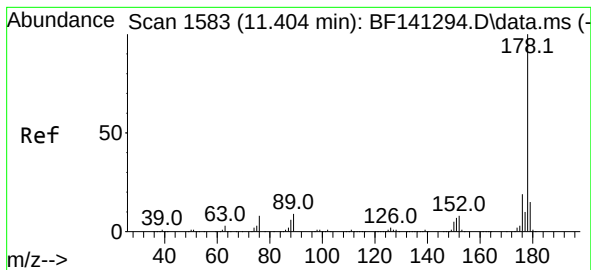
Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Tgt Ion:178 Resp: 160017
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.3 22.9
 179 14.7 12.5 18.7





#72

Anthracene

Concen: 5.393 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:178 Resp: 15046

Ion Ratio Lower Upper

178 100

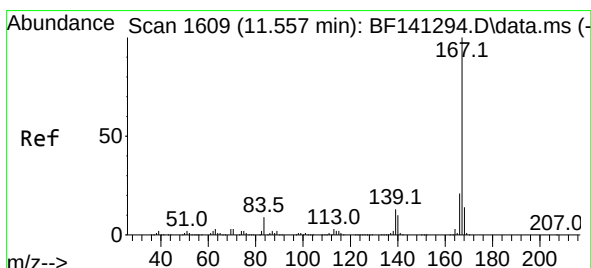
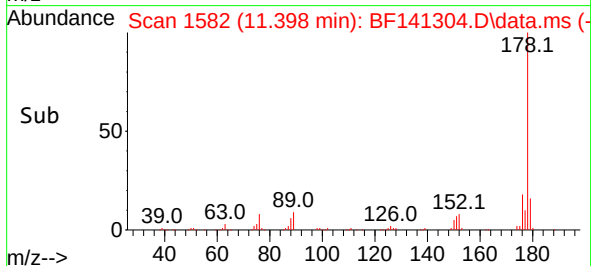
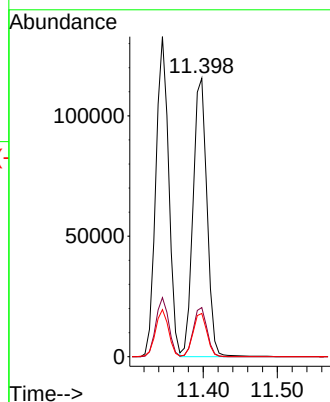
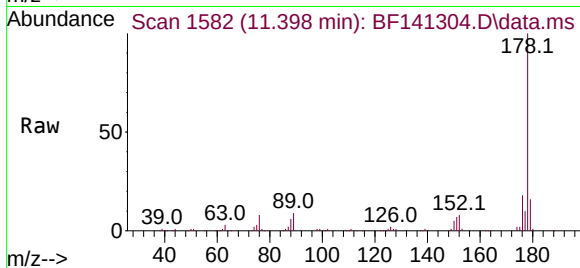
176 17.7 15.0 22.6

179 15.5 12.3 18.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#73

Carbazole

Concen: 5.220 ng

RT: 11.551 min Scan# 1608

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

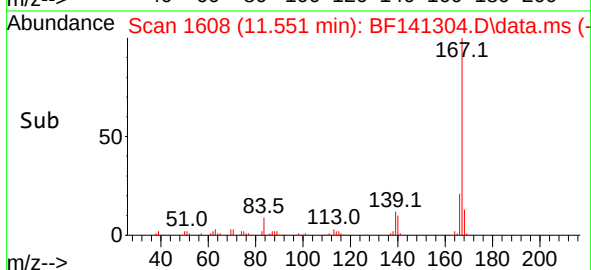
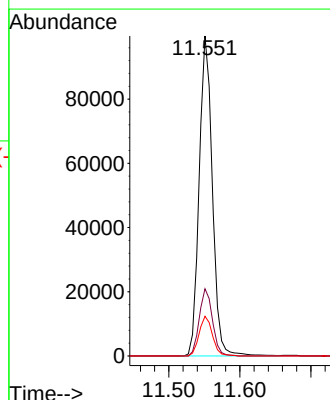
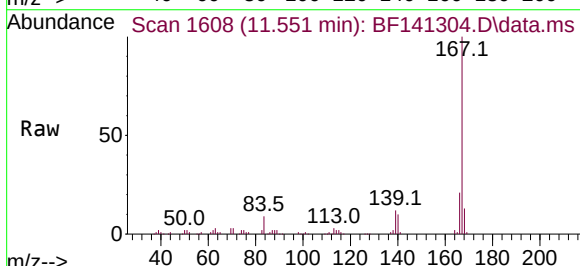
Tgt Ion:167 Resp: 129132

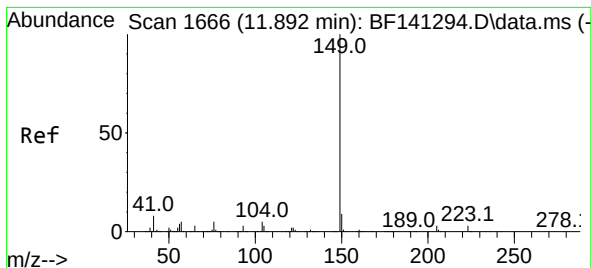
Ion Ratio Lower Upper

167 100

166 21.0 17.0 25.6

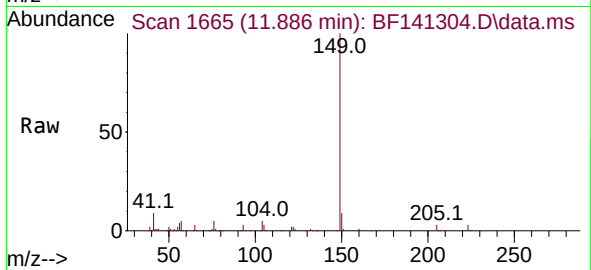
139 12.4 10.6 16.0





#74
Di-n-butylphthalate
Concen: 5.517 ng
RT: 11.886 min Scan# 1666
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

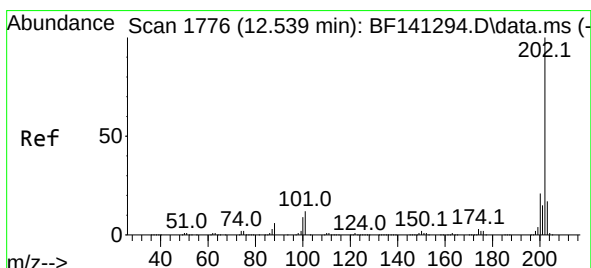
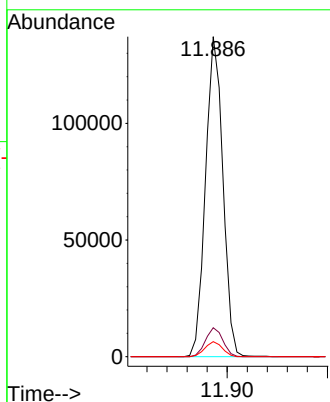
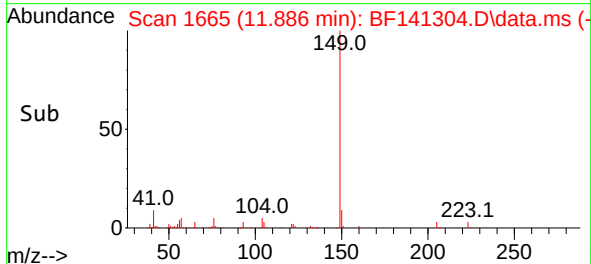
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025



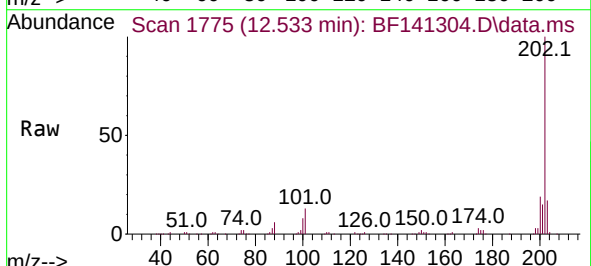
Tgt Ion:149 Resp: 165400
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.2
104 4.7 3.9 5.9

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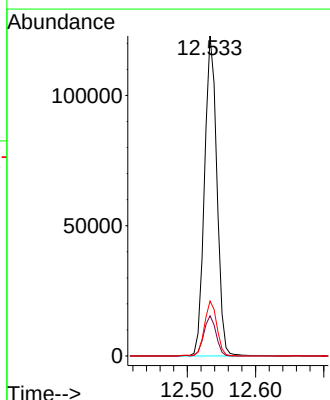
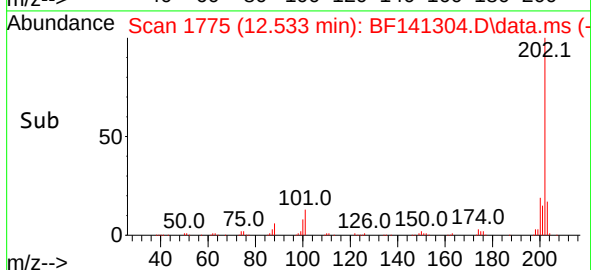
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

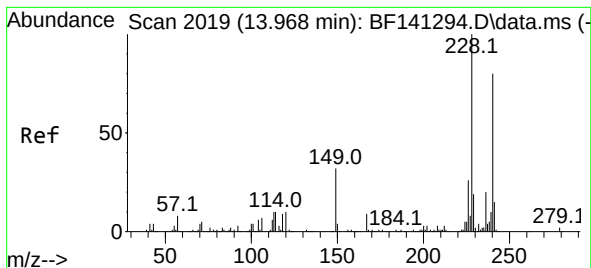


#75
Fluoranthene
Concen: 5.523 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23



Tgt Ion:202 Resp: 155286
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.7
203 17.2 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF141304.D

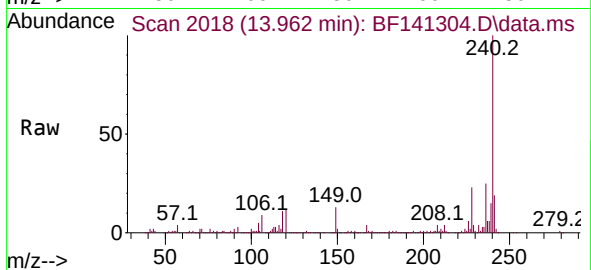
Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025



Tgt Ion:240 Resp: 312450

Ion Ratio Lower Upper

240 100

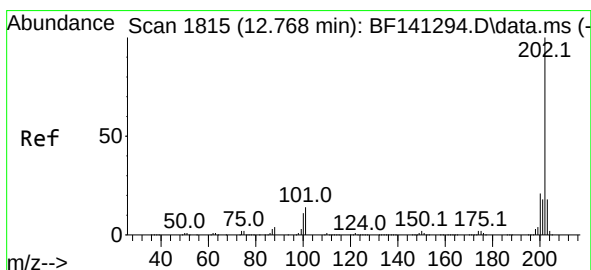
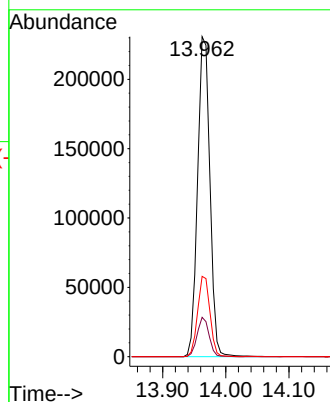
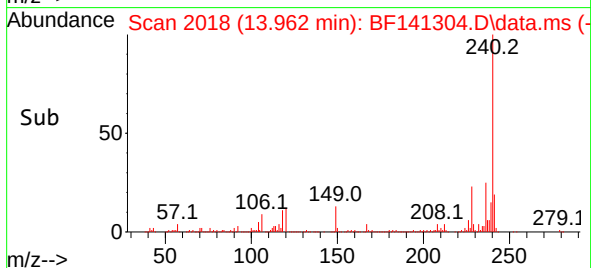
120 12.3 10.0 15.0

236 25.1 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#78

Pyrene

Concen: 5.558 ng

RT: 12.763 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

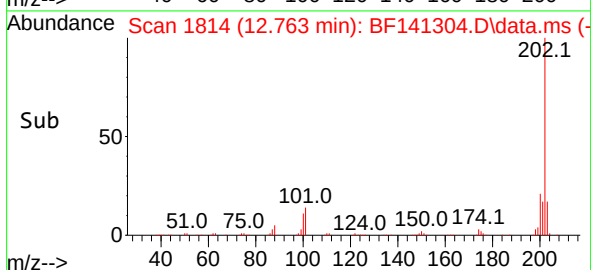
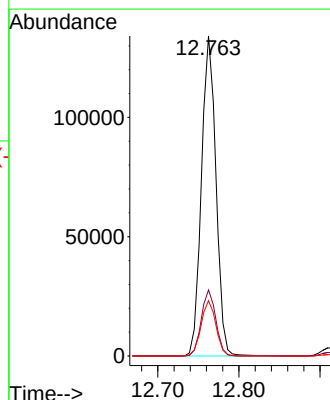
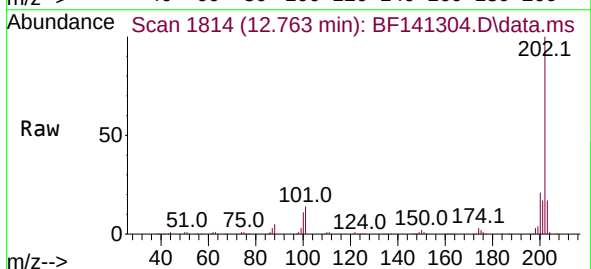
Tgt Ion:202 Resp: 166682

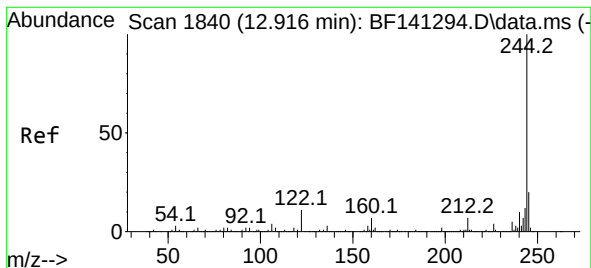
Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.4

203 17.3 14.3 21.5





#79

Terphenyl-d14

Concen: 66.045 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:244 Resp: 133808

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

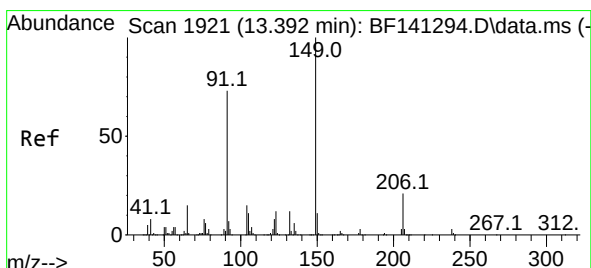
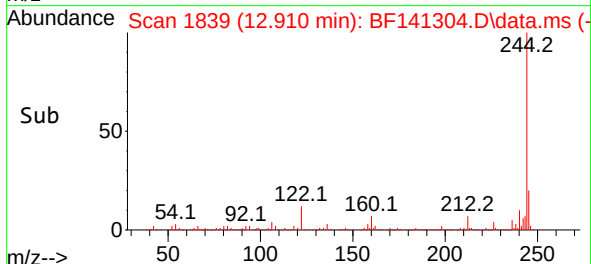
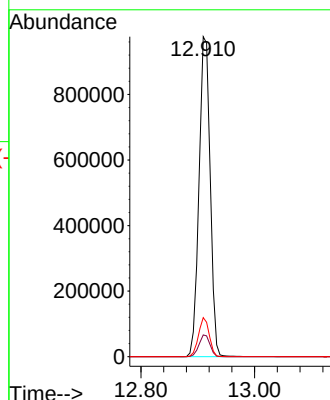
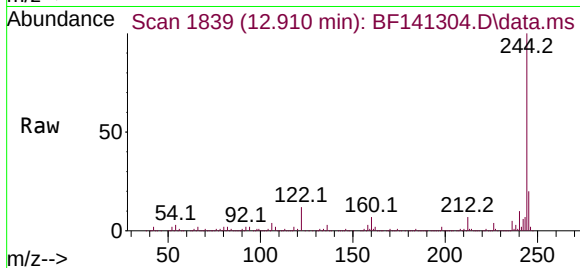
122 12.2 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025

Supervised By :mohammad ahmed 01/31/2025



#80

Butylbenzylphthalate

Concen: 5.027 ng

RT: 13.386 min Scan# 1920

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

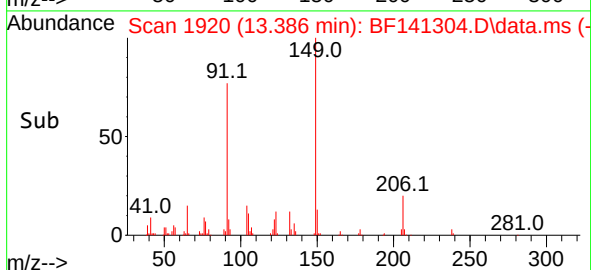
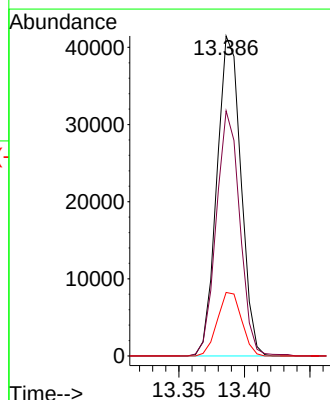
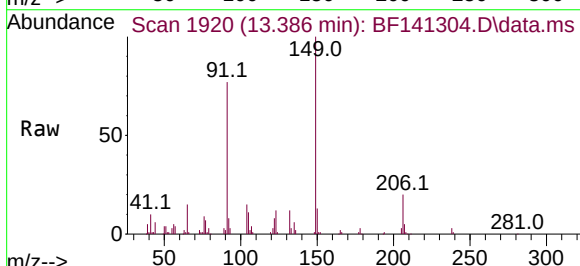
Tgt Ion:149 Resp: 52670

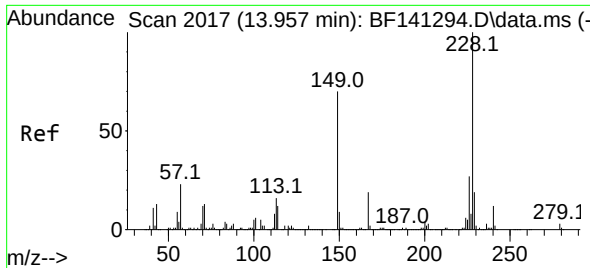
Ion Ratio Lower Upper

149 100

91 76.6 58.6 87.8

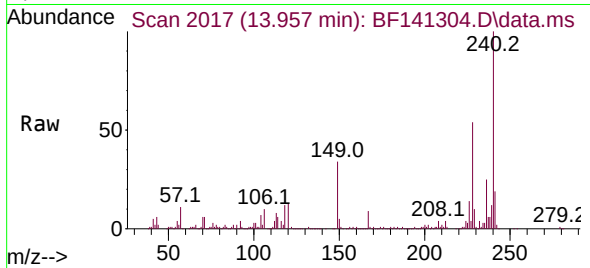
206 19.9 16.7 25.1





#81
Benzo(a)anthracene
Concen: 5.281 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

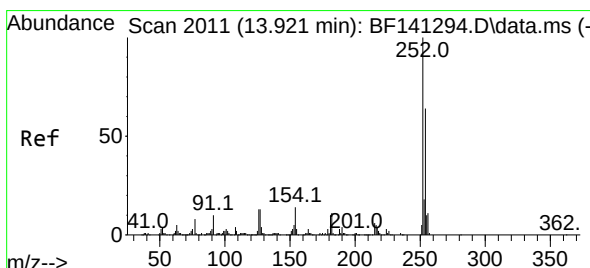
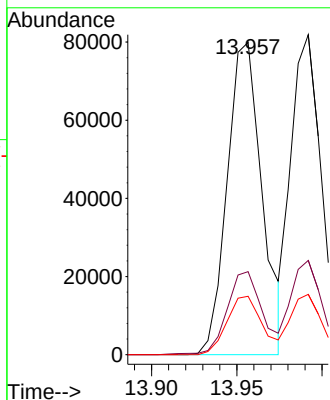
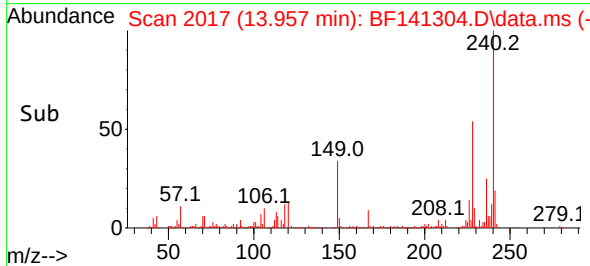
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT1-2025



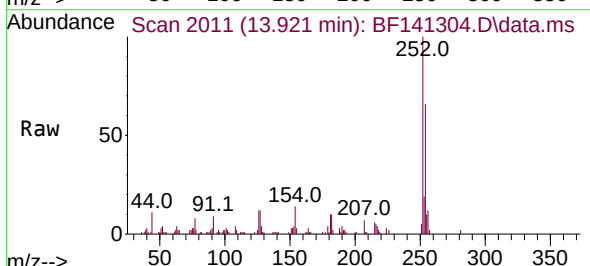
Tgt Ion:228 Resp: 113850
Ion Ratio Lower Upper
228 100
226 26.6 21.4 32.2
229 18.7 15.5 23.3

Manual Integrations
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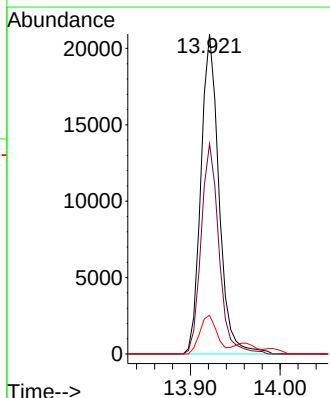
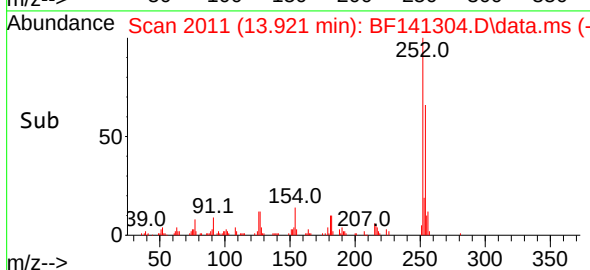
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

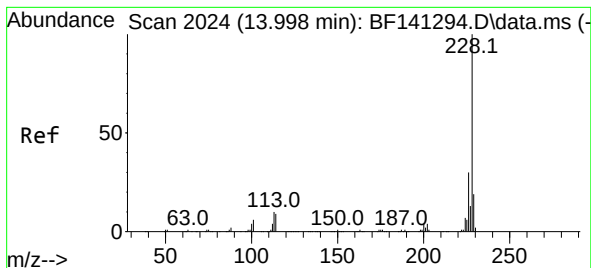


#82
3,3'-Dichlorobenzidine
Concen: 4.272 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23



Tgt Ion:252 Resp: 29294
Ion Ratio Lower Upper
252 100
254 65.7 51.3 76.9
126 12.1 10.0 15.0





#83

Chrysene

Concen: 5.187 ng

RT: 13.992 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

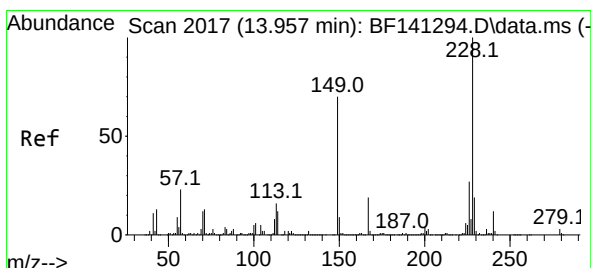
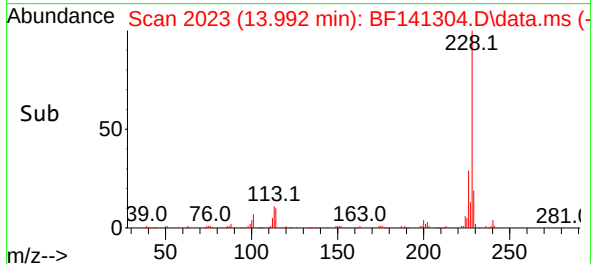
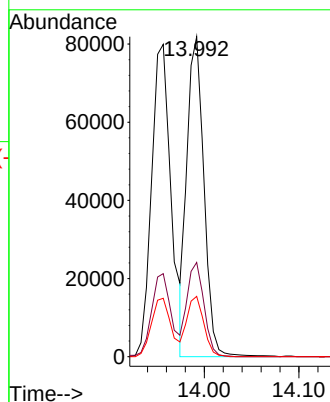
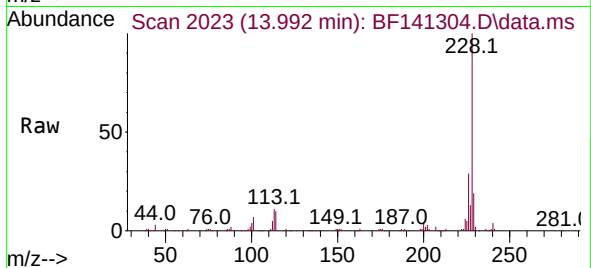
LOQ-SOIL-02-QT1-2025

Tgt Ion:228 Resp: 102490
 Ion Ratio Lower Upper
 228 100
 226 29.4 24.1 36.1
 229 18.8 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
 Supervised By :mohammad ahmed 01/31/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.295 ng

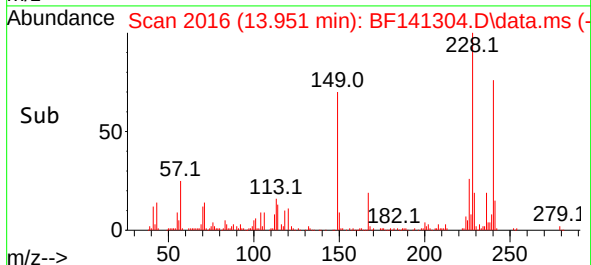
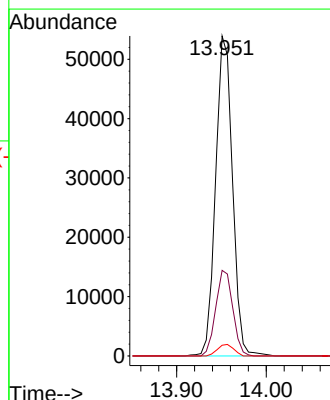
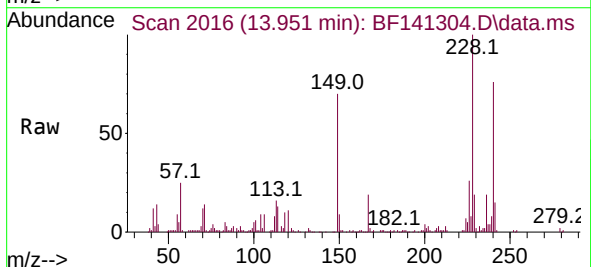
RT: 13.951 min Scan# 2016

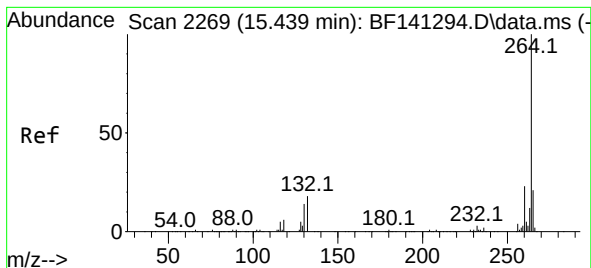
Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Tgt Ion:149 Resp: 70386
 Ion Ratio Lower Upper
 149 100
 167 26.7 21.8 32.8
 279 3.4 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:264 Resp: 27688

Ion Ratio Lower Upper

264 100

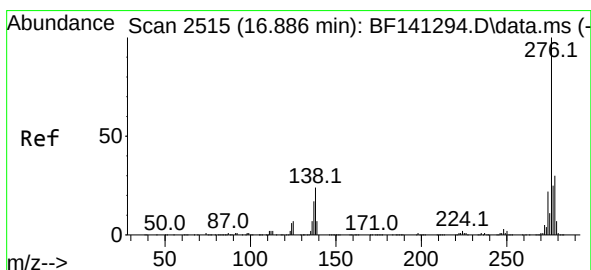
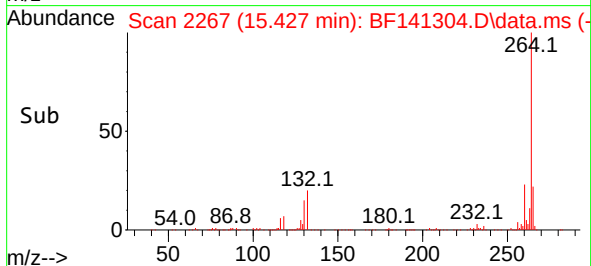
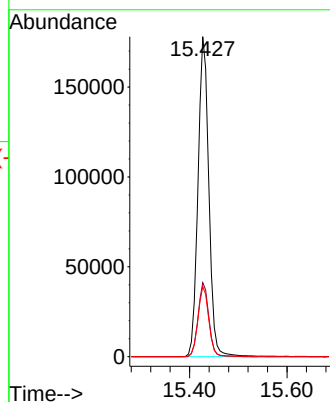
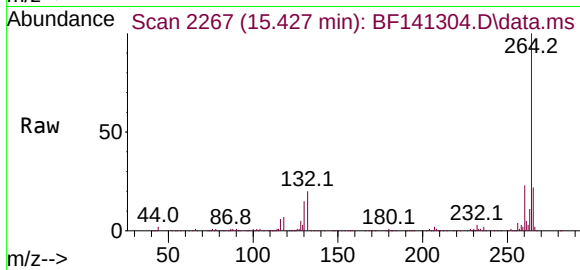
260 23.1 18.6 27.8

265 21.9 16.7 25.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.406 ng

RT: 16.868 min Scan# 2512

Delta R.T. -0.030 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

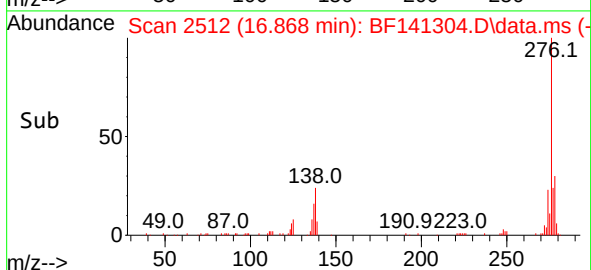
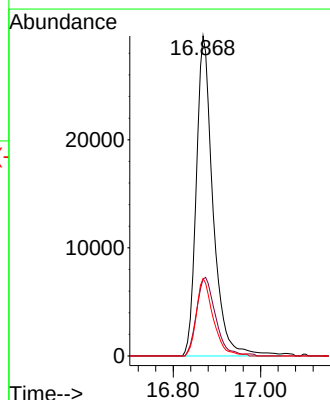
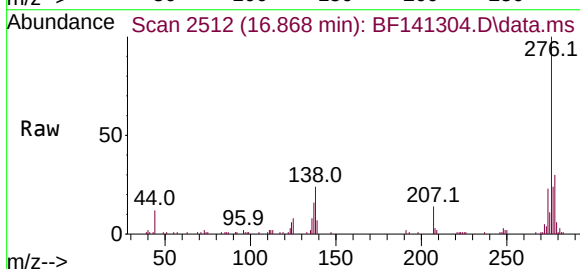
Tgt Ion:276 Resp: 78734

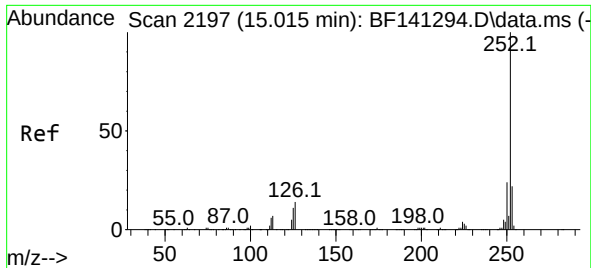
Ion Ratio Lower Upper

276 100

138 27.7 21.7 32.5

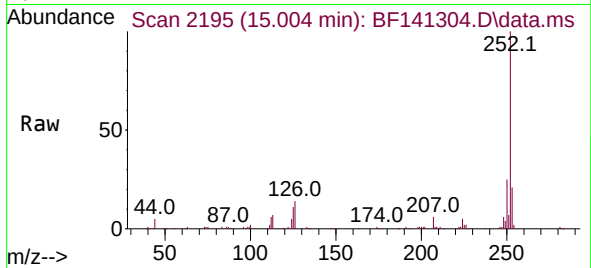
277 24.4 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 4.880 ng
RT: 15.004 min Scan# 2197
Delta R.T. -0.018 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

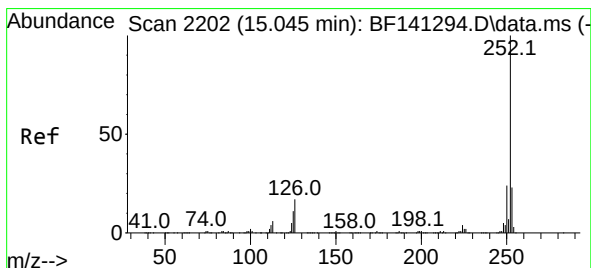
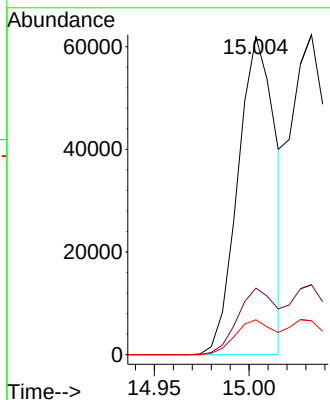
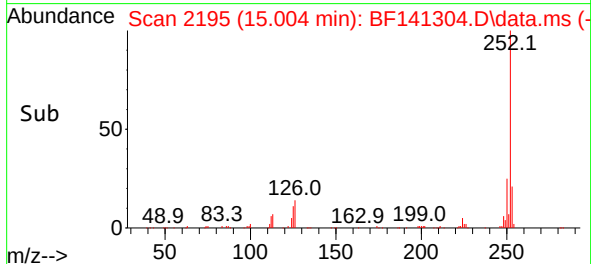
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT1-2025



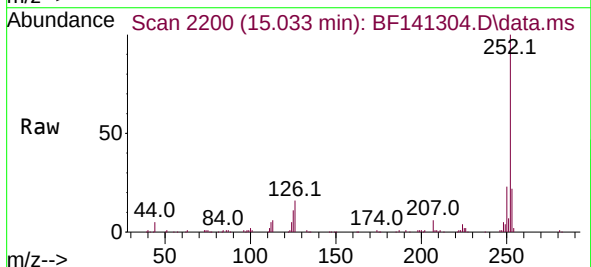
Tgt Ion:252 Resp: 8498
Ion Ratio Lower Upper
252 100
253 20.9 17.4 26.2
125 11.0 8.6 12.8

Manual Integrations
APPROVED

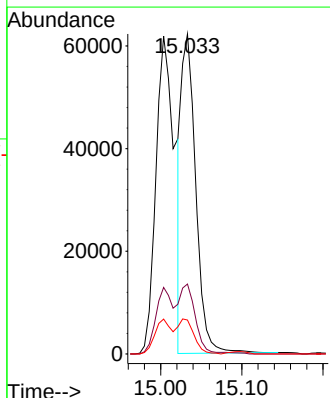
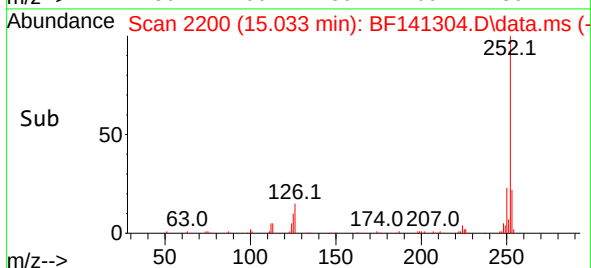
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

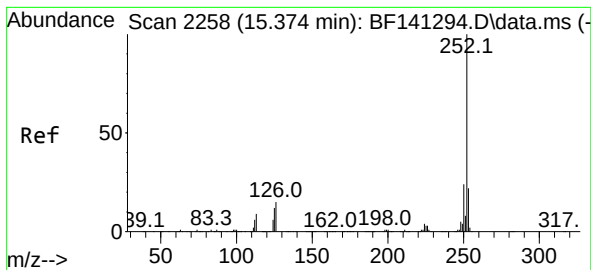


#89
Benzo(k)fluoranthene
Concen: 4.983 ng
RT: 15.033 min Scan# 2200
Delta R.T. -0.018 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23



Tgt Ion:252 Resp: 76883
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 10.6 8.4 12.6





#90

Benzo(a)pyrene

Concen: 5.225 ng

RT: 15.362 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

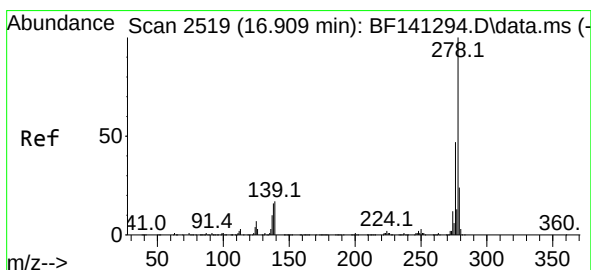
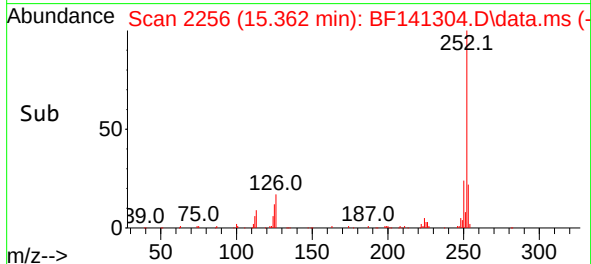
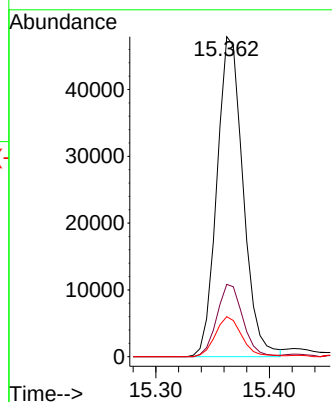
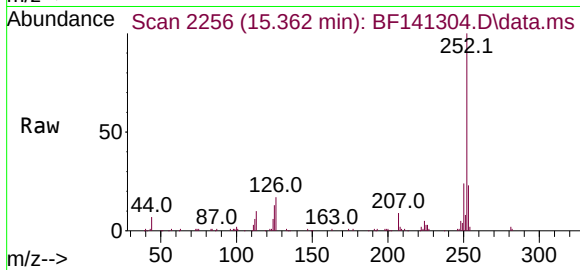
LOQ-SOIL-02-QT1-2025

Tgt Ion:	252	Resp:	76894
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.2	25.8
125	12.5	9.4	14.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#91

Dibenzo(a,h)anthracene

Concen: 4.339 ng

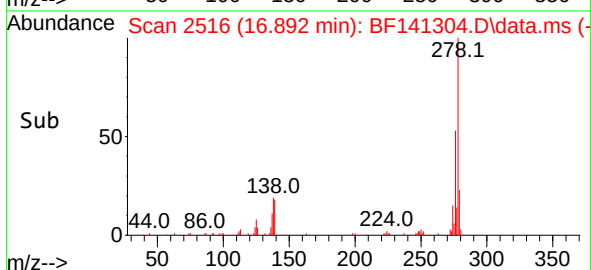
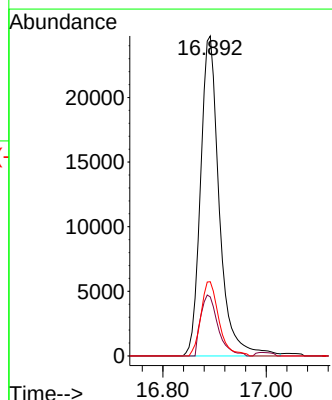
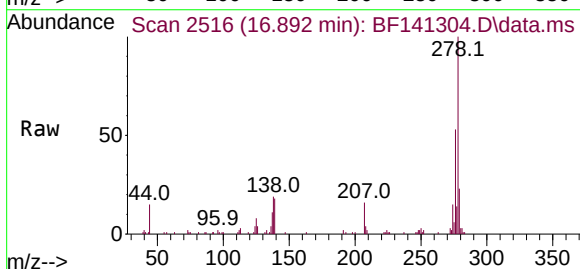
RT: 16.892 min Scan# 2516

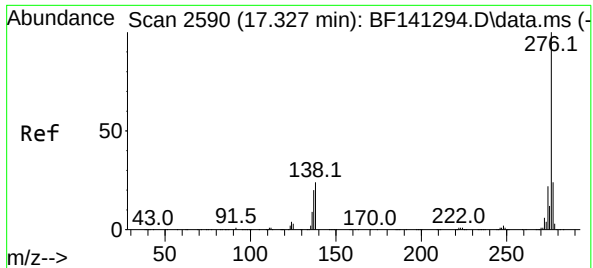
Delta R.T. -0.030 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

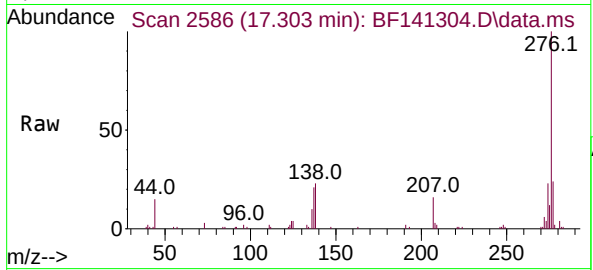
Tgt Ion:	278	Resp:	62387
Ion Ratio	Lower	Upper	
278	100		
139	18.4	13.9	20.9
279	23.2	18.8	28.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.181 ng
 RT: 17.303 min Scan# 2586
 Delta R.T. -0.041 min
 Lab File: BF141304.D
 Acq: 30 Jan 2025 10:23

Instrument : BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025



Tgt Ion:	276	Resp:	6250
Ion Ratio	Lower	Upper	
276	100		
277	23.5	19.2	28.8
138	23.0	19.0	28.4

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
 Supervised By :mohammad ahmed 01/31/2025

