

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141321.D
 Acq On : 31 Jan 2025 10:15
 Operator : RC/JU
 Sample : Q1168-03
 Misc : MDL-MDL-SOIL 4PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Quant Time: Jan 31 10:55:13 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 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	152903	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	616569	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	338750	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	577127	20.000	ng	0.00
76) Chrysene-d12	13.963	240	381814	20.000	ng	-0.01
86) Perylene-d12	15.427	264	325467	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	1058763	106.304	ng	0.00
7) Phenol-d6	6.428	99	1395904	110.173	ng	-0.01
23) Nitrobenzene-d5	7.363	82	937967	80.196	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	342884	110.410	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1640475	74.539	ng	0.00
79) Terphenyl-d14	12.916	244	1794606	72.486	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.481	88	17636	4.026	ng	98
3) Pyridine	3.275	79	35034	3.320	ng	99
4) n-Nitrosodimethylamine	3.152	42	23434	3.887	ng	# 98
6) Aniline	6.463	93	56134	5.234	ng	99
8) 2-Chlorophenol	6.581	128	45996	4.309	ng	82
9) Benzaldehyde	6.346	77	38415	5.234	ng	100
10) Phenol	6.440	94	59019	4.394	ng	# 64
11) bis(2-Chloroethyl)ether	6.534	93	46478	4.513	ng	99
12) 1,3-Dichlorobenzene	6.740	146	49305	4.189	ng	97
13) 1,4-Dichlorobenzene	6.816	146	49439	4.181	ng	99
14) 1,2-Dichlorobenzene	6.969	146	47170	4.260	ng	98
15) Benzyl Alcohol	6.940	79	49295	5.693	ng	93
16) 2,2'-oxybis(1-Chloropr...	7.069	45	81115	4.530	ng	99
17) 2-Methylphenol	7.045	107	33145	3.820	ng	97
18) Hexachloroethane	7.310	117	17712	4.060	ng	95
19) n-Nitroso-di-n-propyla...	7.204	70	33127	4.400	ng	98
20) 3+4-Methylphenols	7.198	107	45991	4.317	ng	# 81
22) Acetophenone	7.204	105	68731	4.690	ng	96
24) Nitrobenzene	7.381	77	51078	4.214	ng	96
25) Isophorone	7.610	82	86545	4.281	ng	96
26) 2-Nitrophenol	7.693	139	22049	3.857	ng	96
27) 2,4-Dimethylphenol	7.728	122	16934m	2.327	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	55637	4.314	ng	97
29) 2,4-Dichlorophenol	7.934	162	35937	4.035	ng	98
30) 1,2,4-Trichlorobenzene	8.022	180	42481	4.176	ng	99
31) Naphthalene	8.098	128	141463	4.343	ng	99
32) Benzoic acid	7.787	122	14963m	2.237	ng	
33) 4-Chloroaniline	8.151	127	49956	4.523	ng	98
34) Hexachlorobutadiene	8.222	225	24276	4.069	ng	97
35) Caprolactam	8.475	113	10739	3.692	ng	95
36) 4-Chloro-3-methylphenol	8.622	107	44740	4.683	ng	96
37) 2-Methylnaphthalene	8.792	142	89914	4.343	ng	98
38) 1-Methylnaphthalene	8.887	142	83323	4.097	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	40903	4.244	ng	97
41) Hexachlorocyclopentadiene	8.945	237	6185	2.173	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	23757	3.766	ng	99

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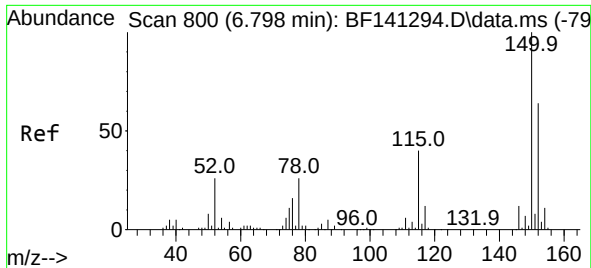
Quant Time: Jan 31 10:55:13 2025
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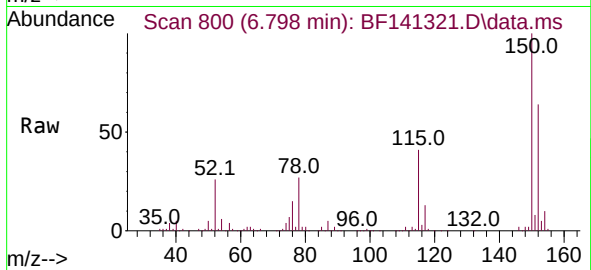
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	25400	3.700	ng	97
46) 1,1'-Biphenyl	9.257	154	122118	4.622	ng	99
47) 2-Chloronaphthalene	9.281	162	85383	4.146	ng	96
48) 2-Nitroaniline	9.375	65	24308	3.753	ng	100
49) Acenaphthylene	9.692	152	131012	4.545	ng	100
50) Dimethylphthalate	9.551	163	97543	4.263	ng	99
51) 2,6-Dinitrotoluene	9.610	165	20737	3.904	ng	97
52) Acenaphthene	9.863	154	87796	4.264	ng	99
53) 3-Nitroaniline	9.781	138	19984	3.838	ng	# 96
54) 2,4-Dinitrophenol	9.892	184	4100	1.660	ng	91
55) Dibenzofuran	10.039	168	121778	4.418	ng	98
56) 4-Nitrophenol	9.945	139	13682	3.593	ng	98
57) 2,4-Dinitrotoluene	10.016	165	29150	4.238	ng	99
58) Fluorene	10.381	166	95003	4.443	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	21777	4.032	ng	99
60) Diethylphthalate	10.257	149	95984	4.327	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	46138	4.418	ng	99
62) 4-Nitroaniline	10.386	138	18395	3.594	ng	95
63) Azobenzene	10.534	77	94603	4.260	ng	99
65) 4,6-Dinitro-2-methylph...	10.428	198	9386	2.750	ng	97
66) n-Nitrosodiphenylamine	10.492	169	82224	4.405	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	27046	4.186	ng	96
68) Hexachlorobenzene	10.928	284	29800	4.348	ng	100
69) Atrazine	11.016	200	26572	4.258	ng	98
70) Pentachlorophenol	11.128	266	15504	3.863	ng	99
71) Phenanthrene	11.345	178	142991	4.609	ng	100
72) Anthracene	11.398	178	138056	4.542	ng	99
73) Carbazole	11.551	167	118264	4.388	ng	99
74) Di-n-butylphthalate	11.886	149	155655	4.765	ng	99
75) Fluoranthene	12.533	202	143458	4.683	ng	99
77) Benzidine	12.663	184	19988	1.633	ng	98
78) Pyrene	12.763	202	168272	4.591	ng	97
80) Butylbenzylphthalate	13.386	149	53902	4.210	ng	98
81) Benzo(a)anthracene	13.951	228	115289	4.376	ng	99
82) 3,3'-Dichlorobenzidine	13.922	252	27287	3.256	ng	99
83) Chrysene	13.992	228	100641	4.168	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	74924	4.613	ng	99
85) Di-n-octyl phthalate	14.574	149	102575	4.066	ng	100
87) Indeno(1,2,3-cd)pyrene	16.868	276	76731	3.653	ng	98
88) Benzo(b)fluoranthene	15.004	252	81244	3.968	ng	99
89) Benzo(k)fluoranthene	15.033	252	88845	4.899	ng	97
90) Benzo(a)pyrene	15.363	252	74178	4.288	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	58559	3.465	ng	98
92) Benzo(g,h,i)perylene	17.304	276	61611	3.506	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# 80
 Delta R.T. -0.006 min
 Lab File: BF141321.D
 Acq: 31 Jan 2025 10:15

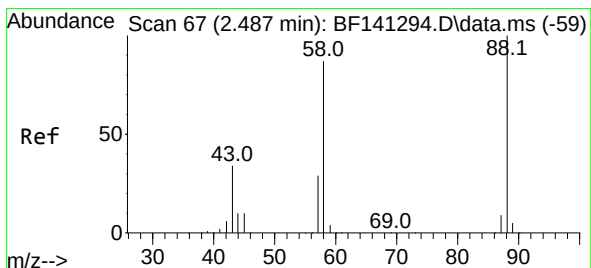
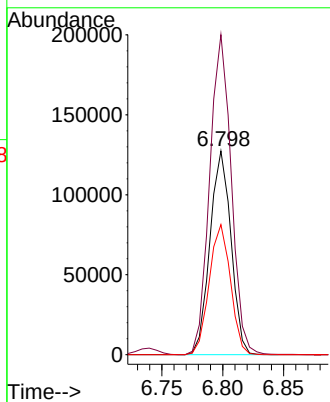
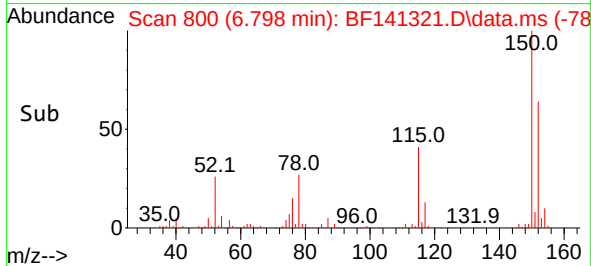
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2025



Tgt Ion:152 Resp: 15290
 Ion Ratio Lower Upper
 152 100
 150 157.1 125.9 188.9
 115 63.8 49.7 74.5

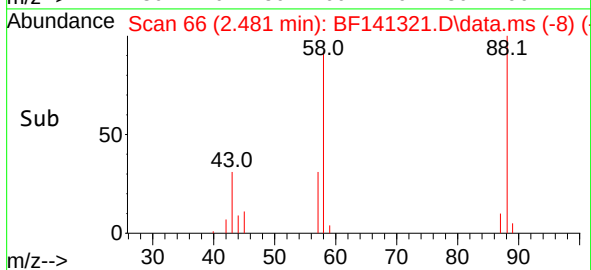
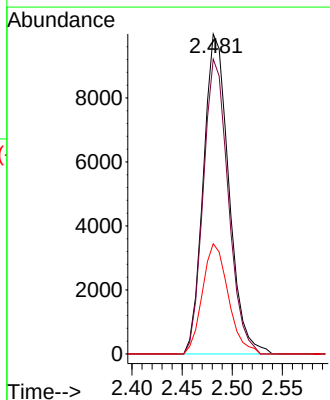
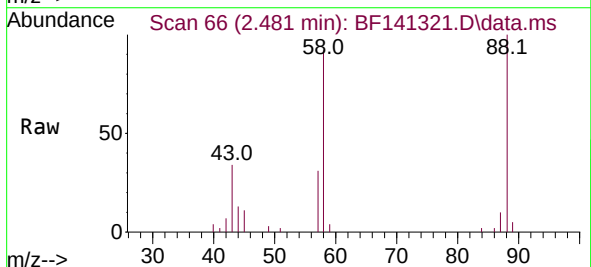
Manual Integrations
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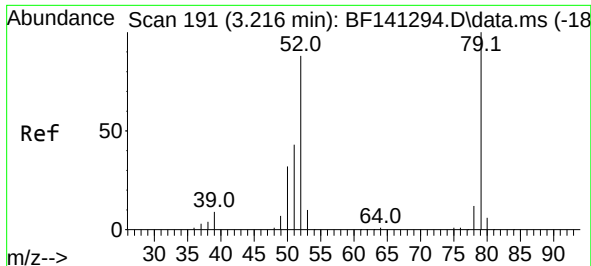
Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#2
 1,4-Dioxane
 Concen: 4.026 ng
 RT: 2.481 min Scan# 66
 Delta R.T. -0.012 min
 Lab File: BF141321.D
 Acq: 31 Jan 2025 10:15

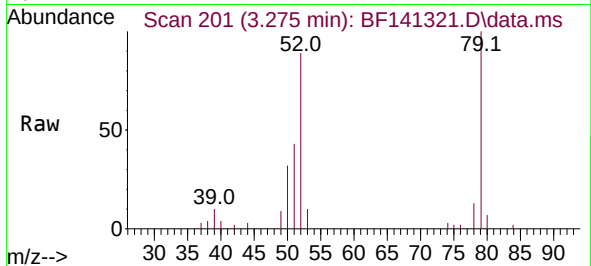
Tgt Ion: 88 Resp: 17636
 Ion Ratio Lower Upper
 88 100
 58 90.4 70.2 105.4
 43 35.0 27.6 41.4





#3
Pyridine
Concen: 3.320 ng
RT: 3.275 min Scan# 201
Delta R.T. 0.047 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

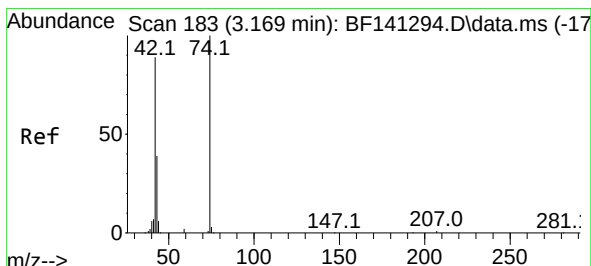
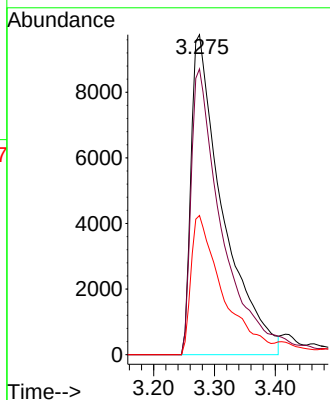
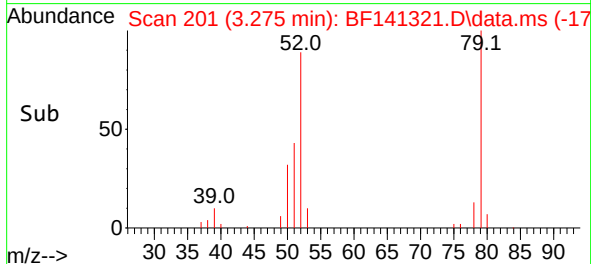
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



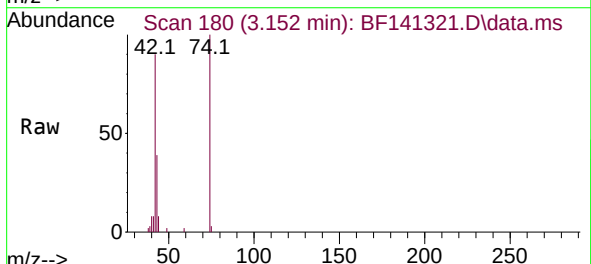
Tgt Ion: 79 Resp: 35034
Ion Ratio Lower Upper
79 100
52 89.3 70.3 105.5
51 43.5 34.3 51.5

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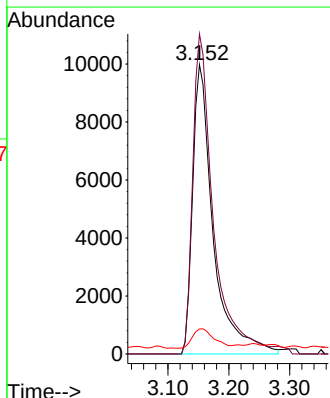
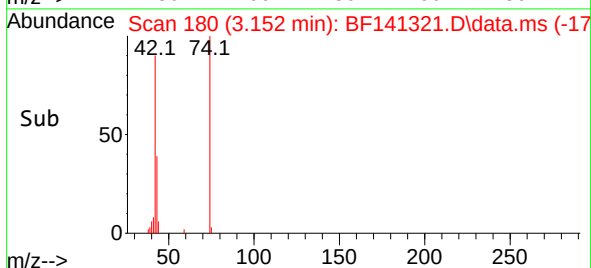
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

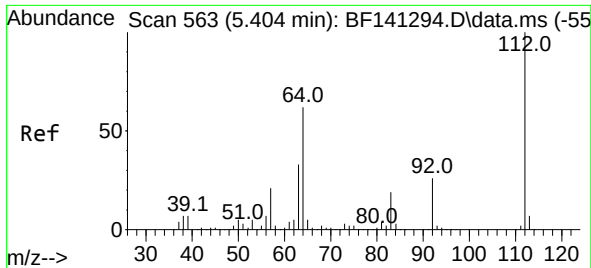


#4
n-Nitrosodimethylamine
Concen: 3.887 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.047 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15



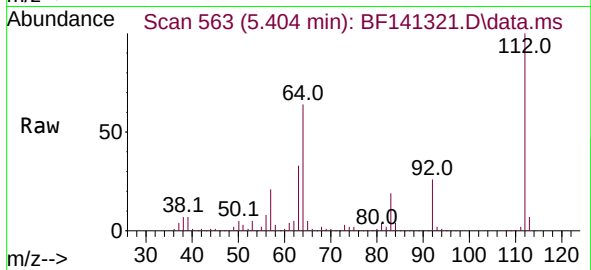
Tgt Ion: 42 Resp: 23434
Ion Ratio Lower Upper
42 100
74 110.6 90.3 135.5
44 8.6 5.7 8.5





#5
2-Fluorophenol
Concen: 106.304 ng
RT: 5.404 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

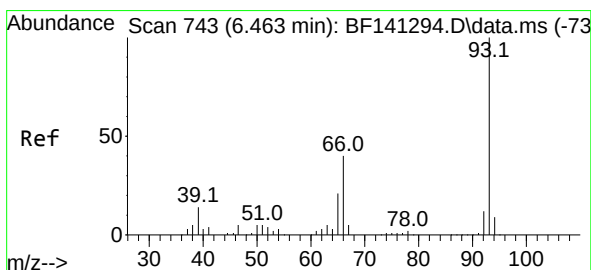
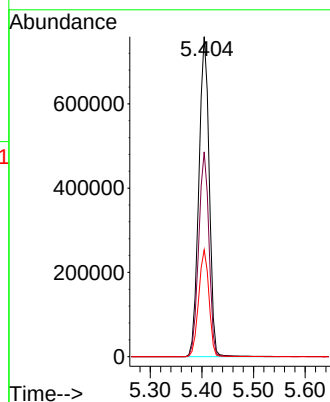
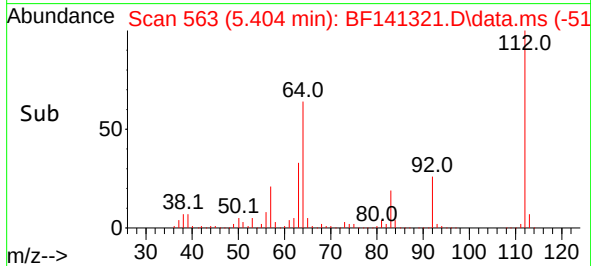
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion:112 Resp: 105876
Ion Ratio Lower Upper
112 100
64 64.0 49.8 74.8
63 33.4 26.1 39.1

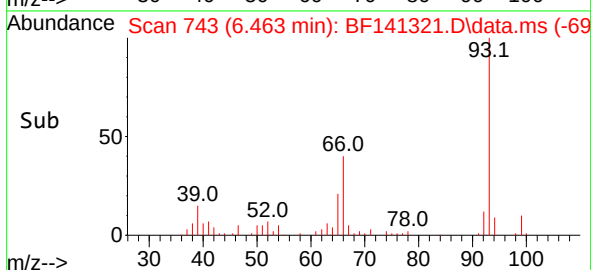
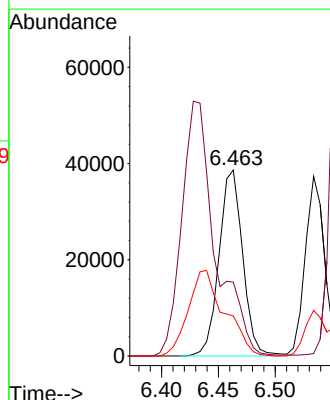
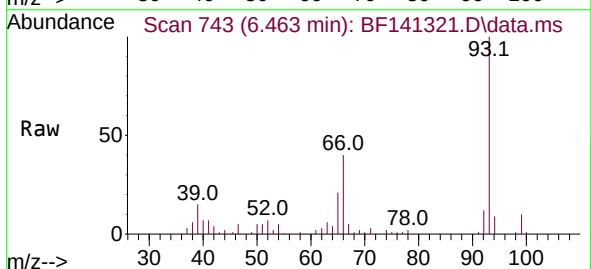
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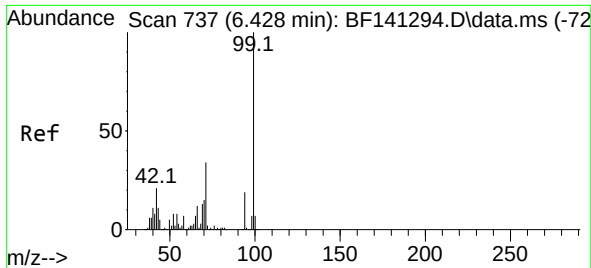
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 5.234 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

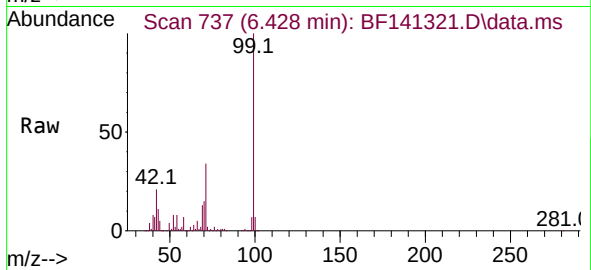
Tgt Ion: 93 Resp: 56134
Ion Ratio Lower Upper
93 100
66 39.7 32.5 48.7
65 21.5 17.0 25.6





#7
Phenol-d6
Concen: 110.173 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

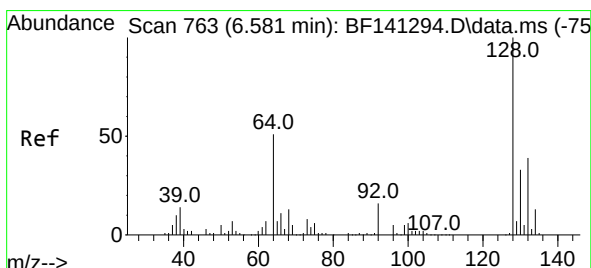
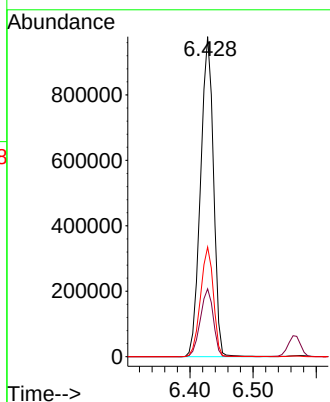
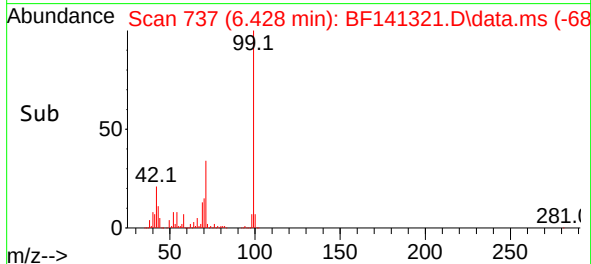
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 99 Resp: 1395904
Ion Ratio Lower Upper
99 100
42 21.2 17.1 25.7
71 34.2 26.9 40.3

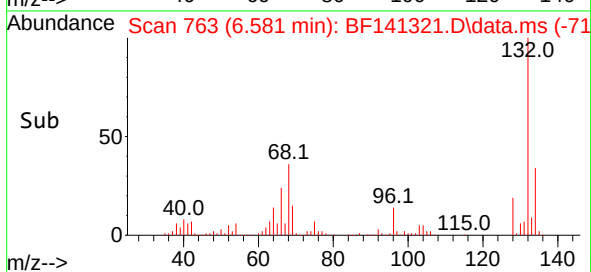
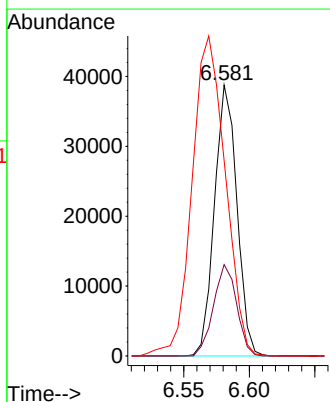
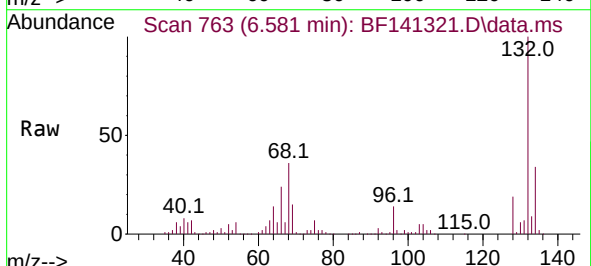
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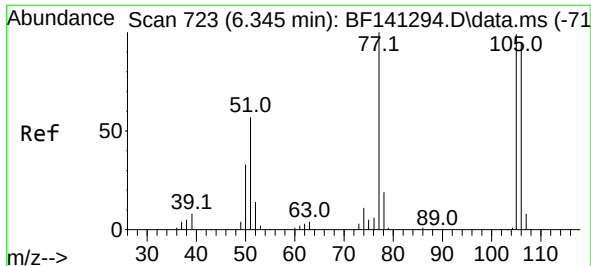
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#8
2-Chlorophenol
Concen: 4.309 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:128 Resp: 45996
Ion Ratio Lower Upper
128 100
130 33.8 12.5 52.5
64 72.2 32.9 72.9





#9

Benzaldehyde

Concen: 5.234 ng

RT: 6.346 min Scan# 723

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

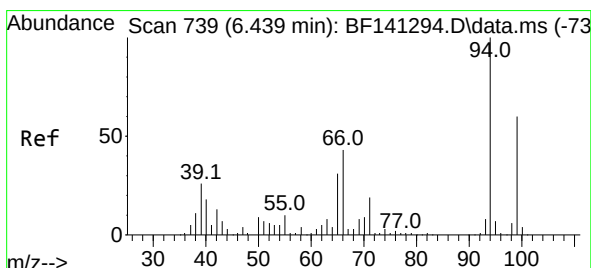
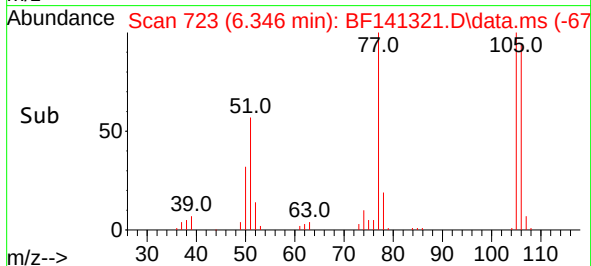
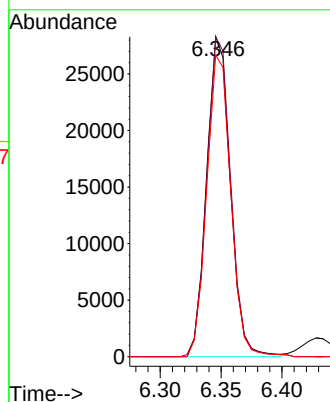
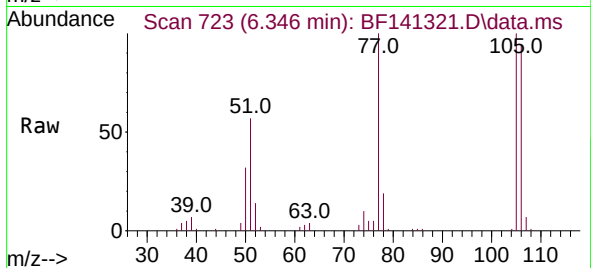
MDL-SOIL-03-QT1-2025

Tgt Ion:	77	Resp:	3841
Ion	Ratio	Lower	Upper
77	100		
105	99.9	79.4	119.4
106	94.3	74.6	114.6

Manual Integrations

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#10

Phenol

Concen: 4.394 ng

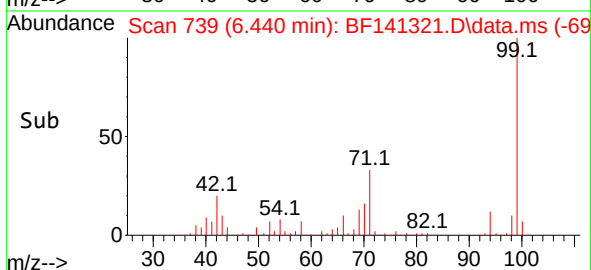
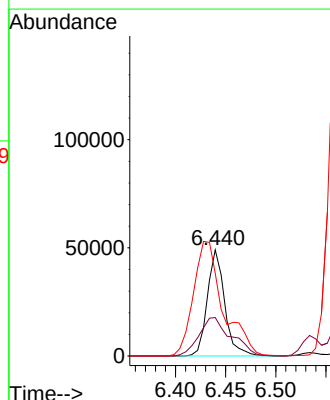
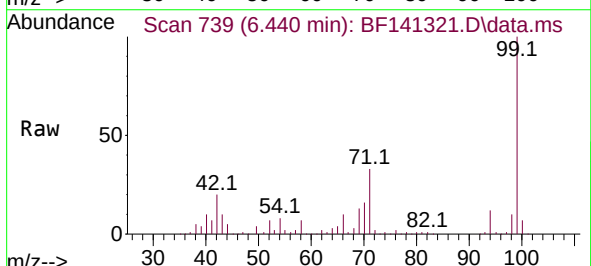
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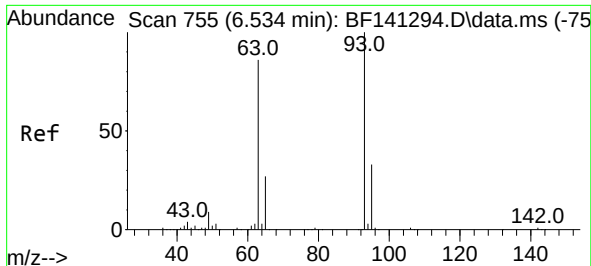
Delta R.T. -0.012 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Tgt Ion:	94	Resp:	59019
Ion	Ratio	Lower	Upper
94	100		
65	36.3	10.8	50.8
66	78.1	23.3	63.3





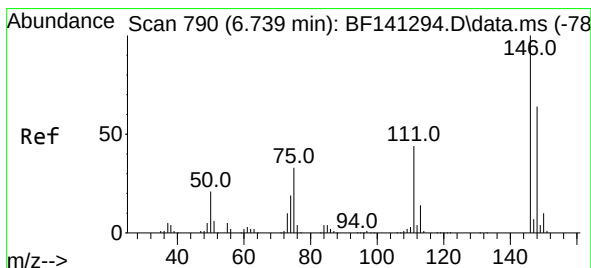
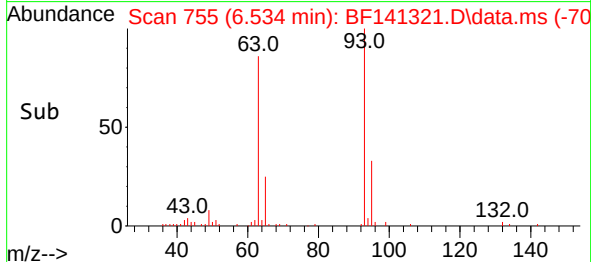
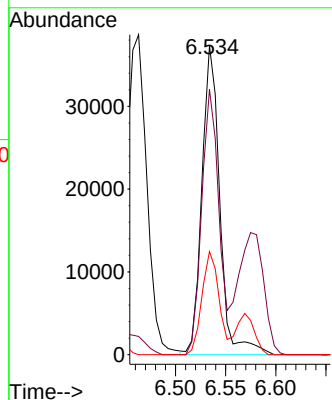
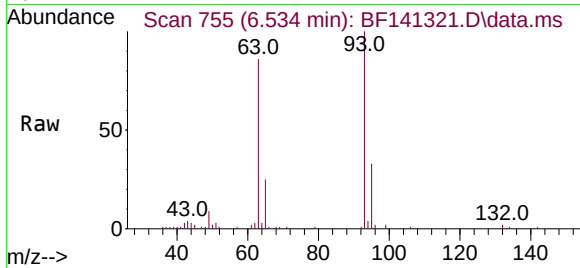
#11
bis(2-Chloroethyl)ether
Concen: 4.513 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion: 93 Resp: 46478
Ion Ratio Lower Upper
93 100
63 85.8 65.0 105.0
95 33.4 12.4 52.4

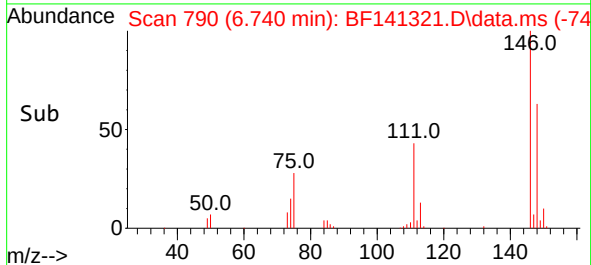
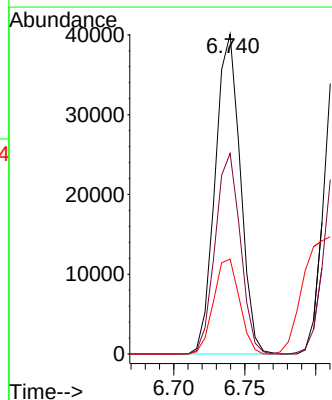
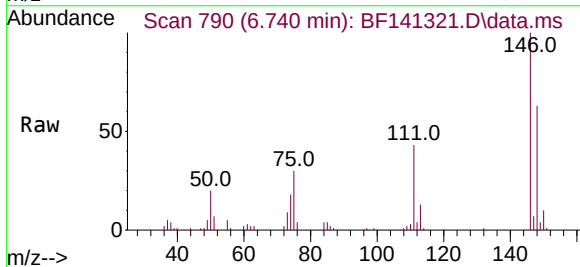
Manual Integrations
APPROVED

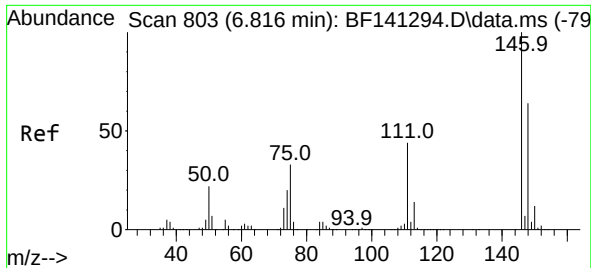
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 4.189 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

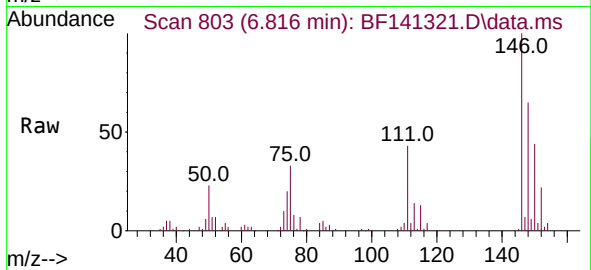
Tgt Ion:146 Resp: 49305
Ion Ratio Lower Upper
146 100
148 62.7 51.2 76.8
75 29.6 26.2 39.4





#13
1,4-Dichlorobenzene
Concen: 4.181 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

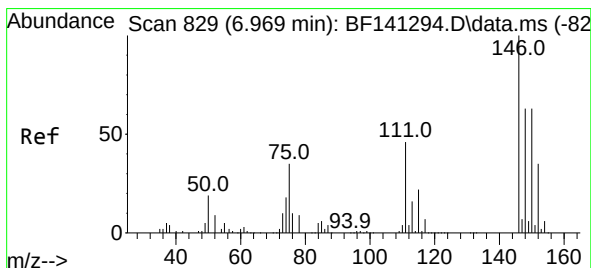
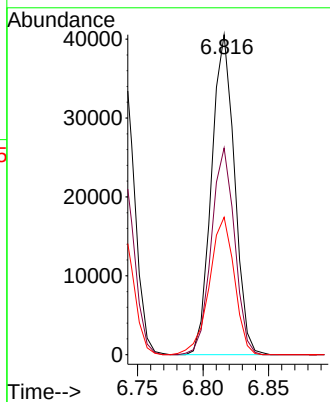
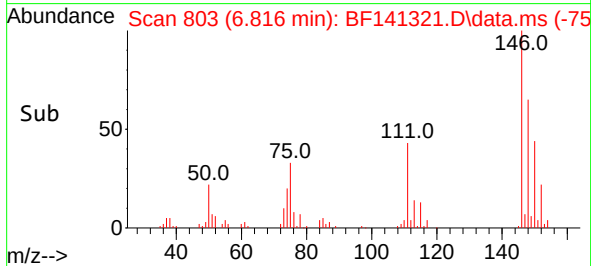
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



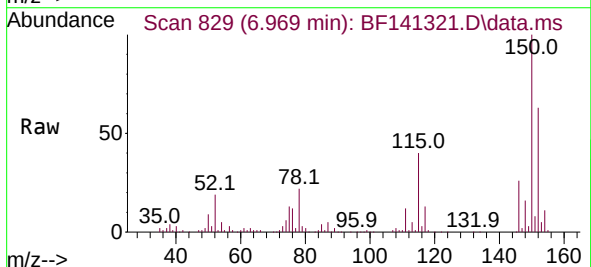
Tgt Ion:146 Resp: 49439
Ion Ratio Lower Upper
146 100
148 64.6 51.2 76.8
111 42.9 35.0 52.4

Manual Integrations
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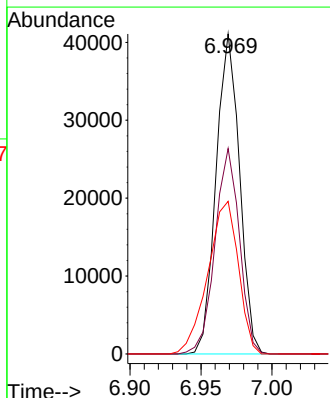
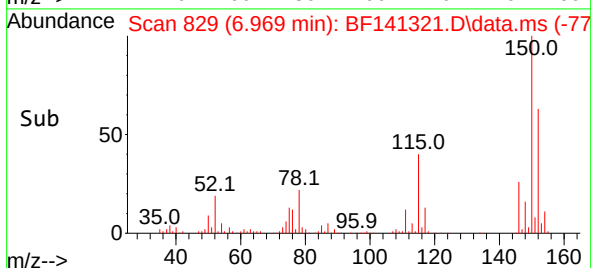
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

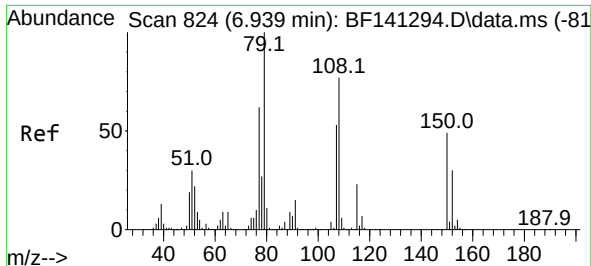


#14
1,2-Dichlorobenzene
Concen: 4.260 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15



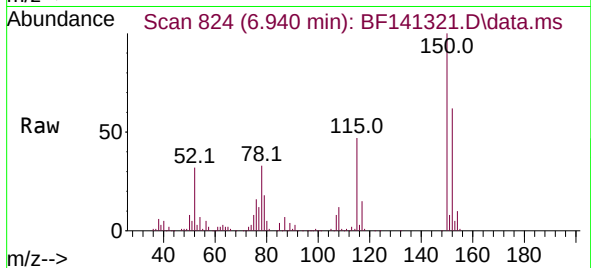
Tgt Ion:146 Resp: 47170
Ion Ratio Lower Upper
146 100
148 64.2 50.5 75.7
111 47.7 36.6 55.0





#15
Benzyl Alcohol
Concen: 5.693 ng
RT: 6.940 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

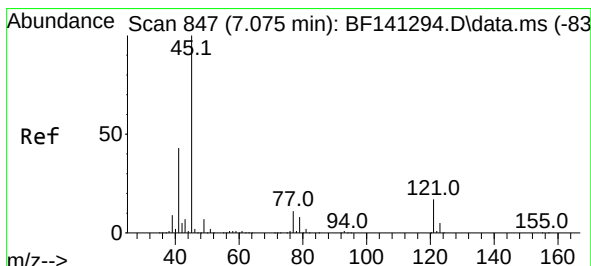
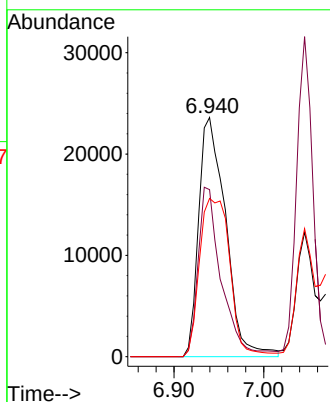
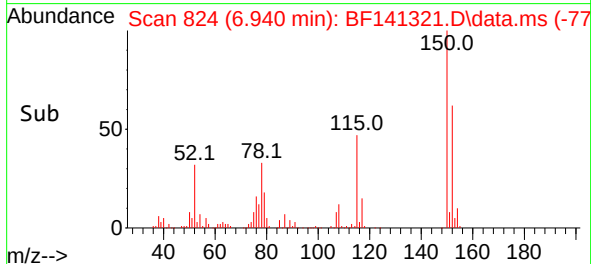
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



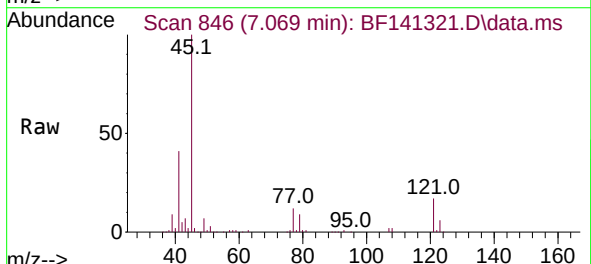
Tgt Ion: 79 Resp: 4929
Ion Ratio Lower Upper
79 100
108 69.8 61.4 92.0
77 66.1 49.9 74.9

Manual Integrations
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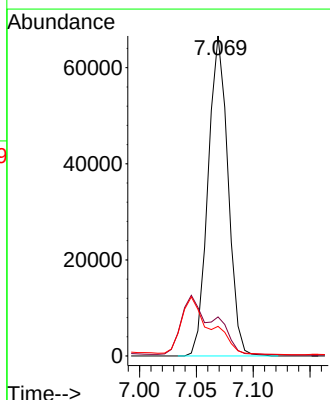
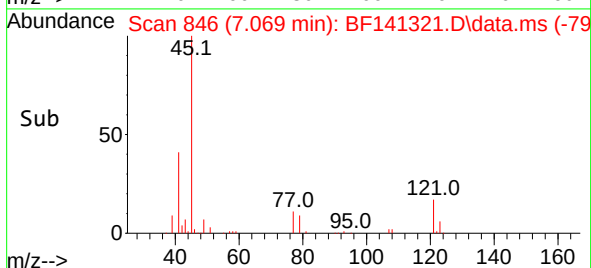
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

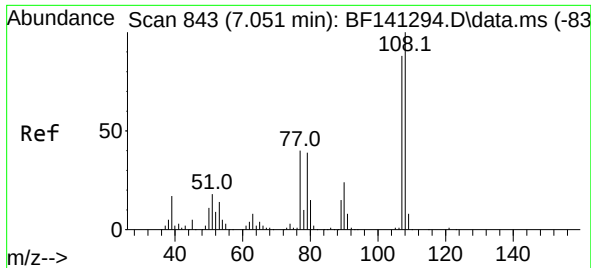


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.530 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15



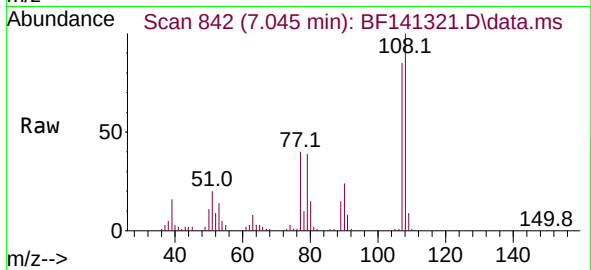
Tgt Ion: 45 Resp: 81115
Ion Ratio Lower Upper
45 100
77 12.2 0.0 31.8
79 9.3 0.0 29.1





#17
2-Methylphenol
Concen: 3.820 ng
RT: 7.045 min Scan# 843
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

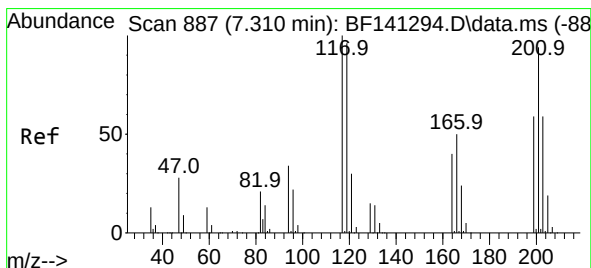
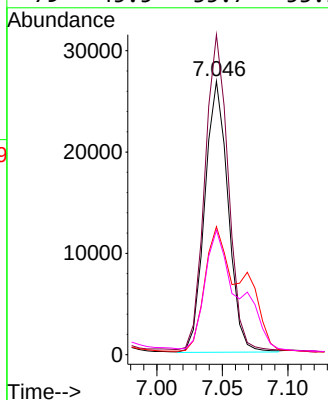
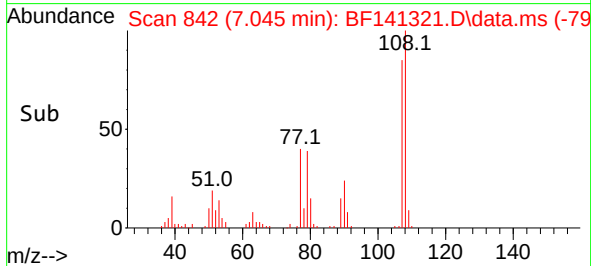
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT1-2025



Tgt Ion:107	Resp:	3314
Ion Ratio	Lower	Upper
107	100	
108	117.0	90.8 136.2
77	46.8	36.2 54.4
79	45.5	35.7 53.5

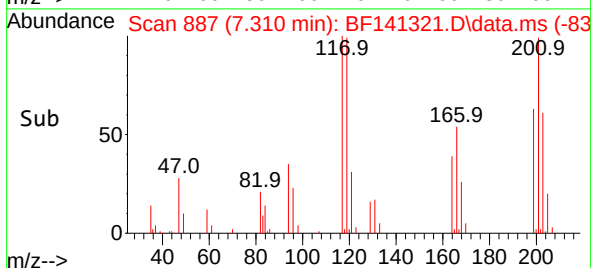
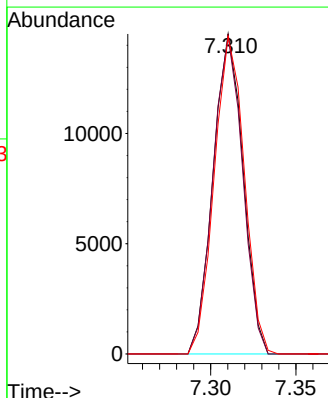
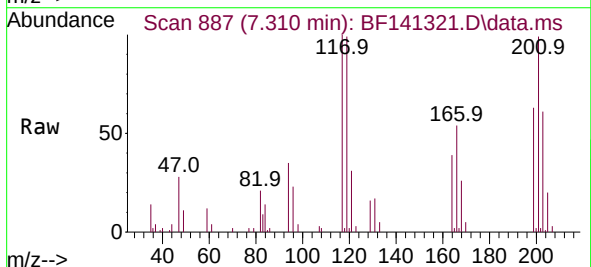
Manual Integrations
APPROVED

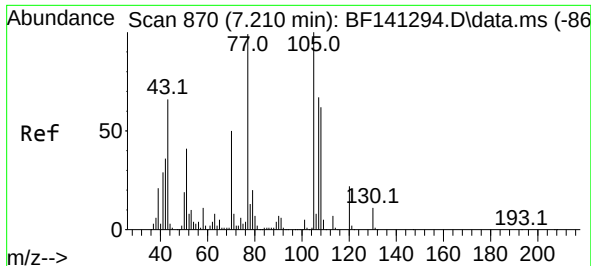
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#18
Hexachloroethane
Concen: 4.060 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:117	Resp:	17712
Ion Ratio	Lower	Upper
117	100	
119	99.4	76.6 114.8
201	99.3	74.8 112.2





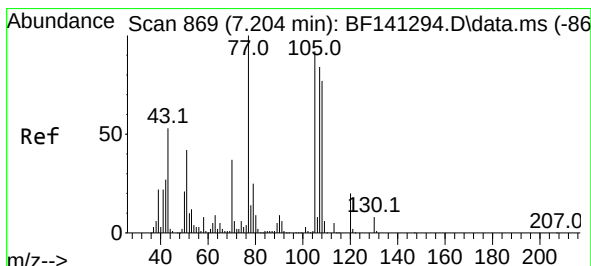
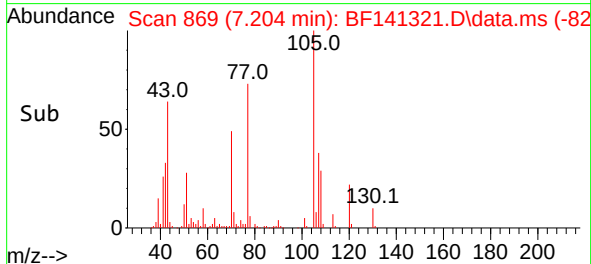
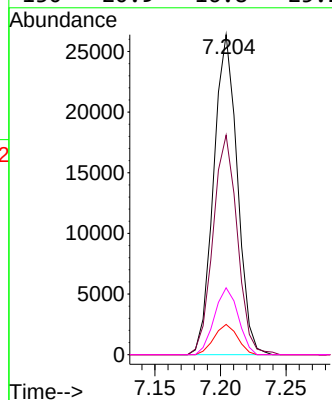
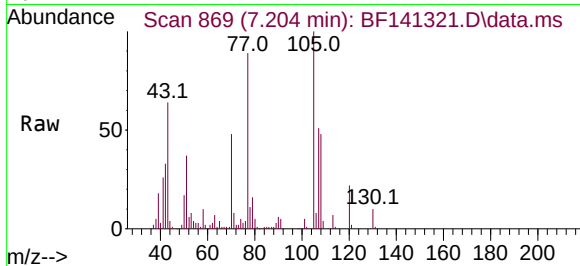
#19
n-Nitroso-di-n-propylamine
Concen: 4.400 ng
RT: 7.204 min Scan# 80
Delta R.T. -0.024 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion: 70 Resp: 3312
Ion Ratio Lower Upper
70 100
42 68.6 56.8 85.2
101 9.4 7.7 11.5
130 20.9 16.8 25.2

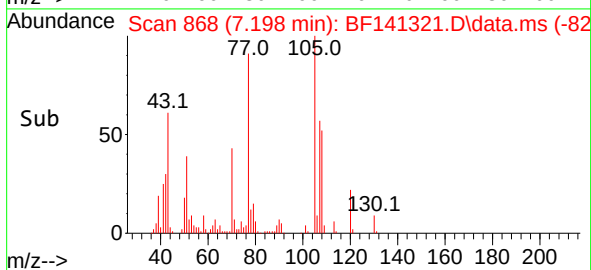
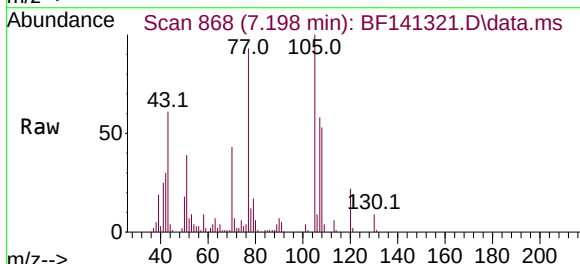
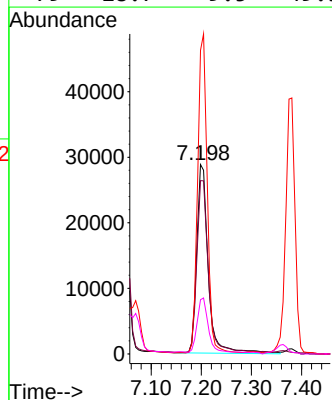
Manual Integrations
APPROVED

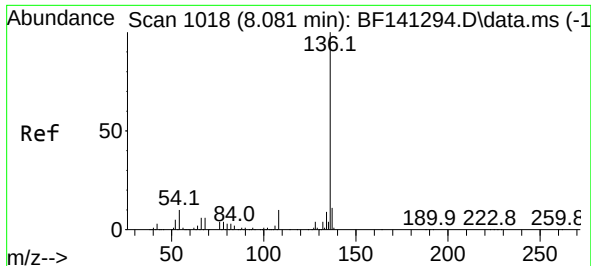
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#20
3+4-Methylphenols
Concen: 4.317 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

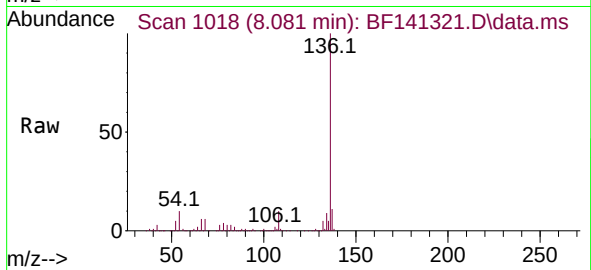
Tgt Ion:107 Resp: 45991
Ion Ratio Lower Upper
107 100
108 91.5 70.9 110.9
77 160.3 98.5 138.5#
79 28.7 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

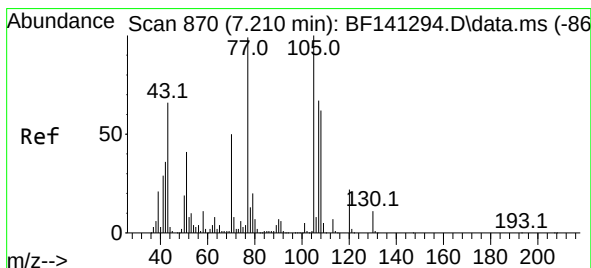
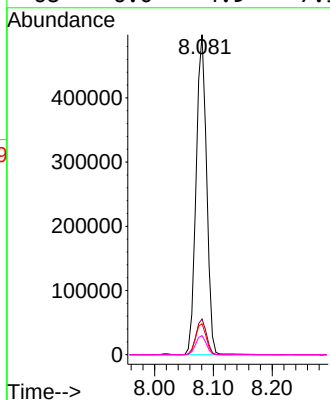
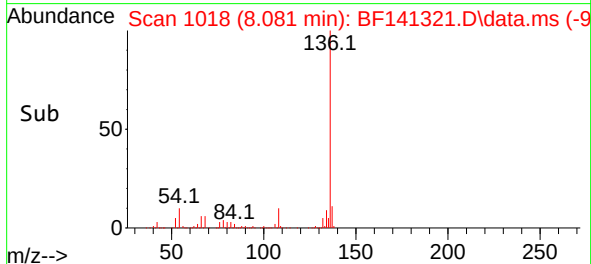
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



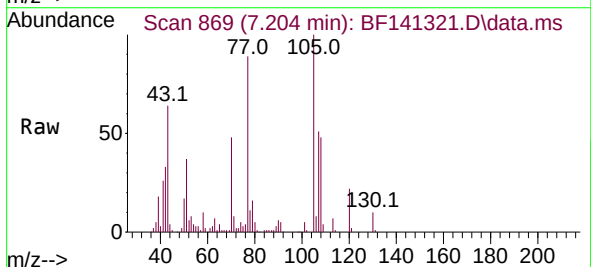
Tgt Ion:136	Resp: 61656
Ion Ratio	Lower Upper
136	100
137	11.2 8.6 13.0
54	9.6 7.8 11.8
68	6.0 4.9 7.3

Manual Integrations
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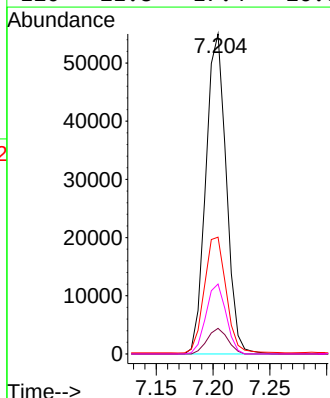
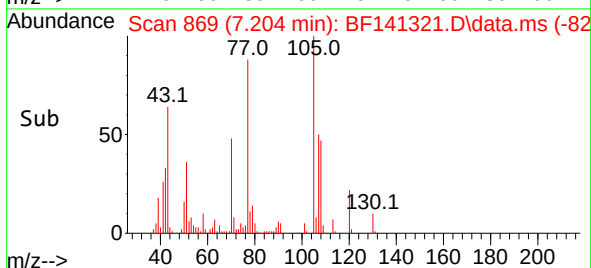
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

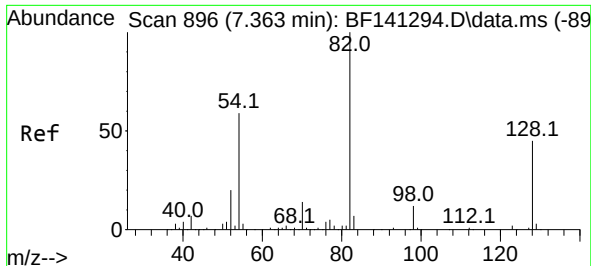


#22
Acetophenone
Concen: 4.690 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15



Tgt Ion:105	Resp: 68731
Ion Ratio	Lower Upper
105	100
71	8.0 6.8 10.2
51	36.5 32.6 49.0
120	21.8 17.4 26.0





#23

Nitrobenzene-d5

Concen: 80.196 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

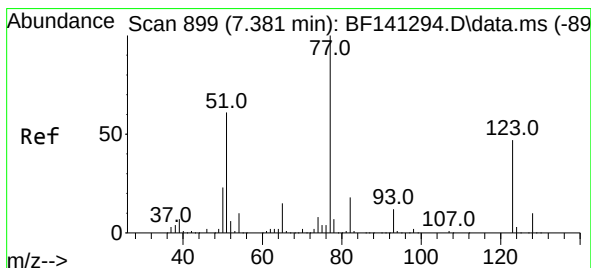
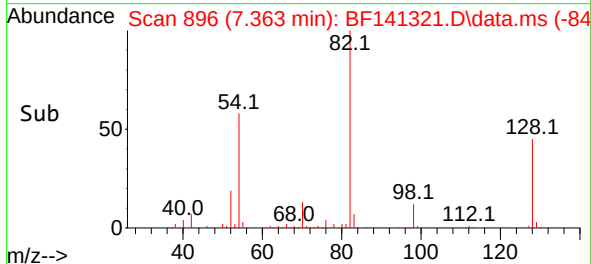
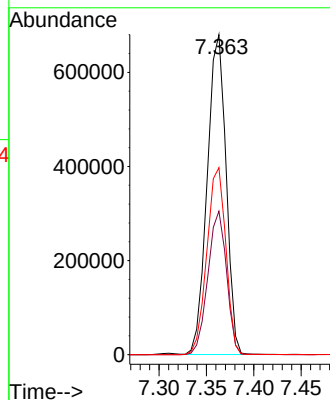
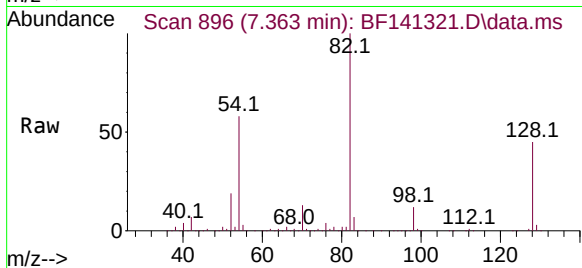
MDL-SOIL-03-QT1-2025

Tgt Ion: 82 Resp: 93796
 Ion Ratio Lower Upper
 82 100
 128 44.9 35.7 53.5
 54 58.5 47.1 70.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 4.214 ng

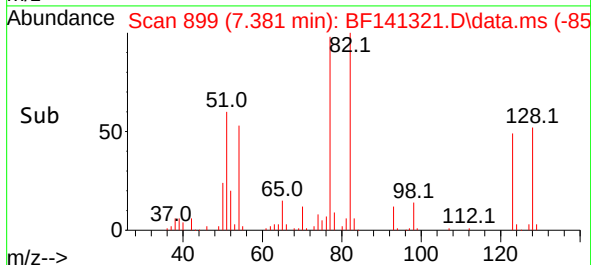
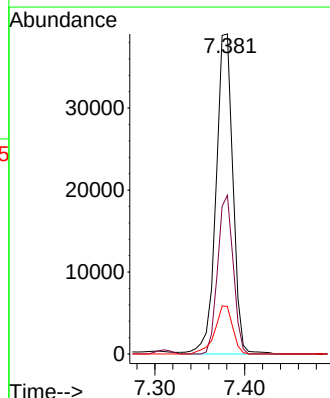
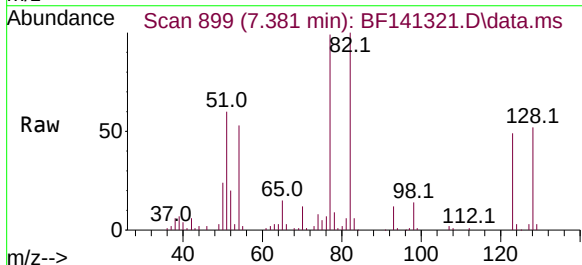
RT: 7.381 min Scan# 899

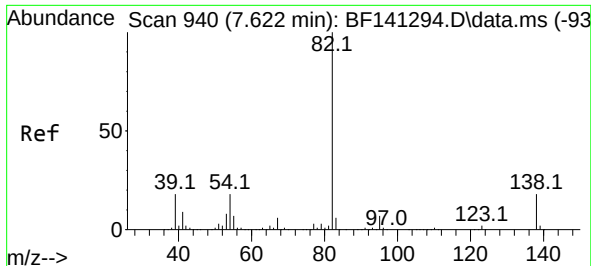
Delta R.T. -0.012 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

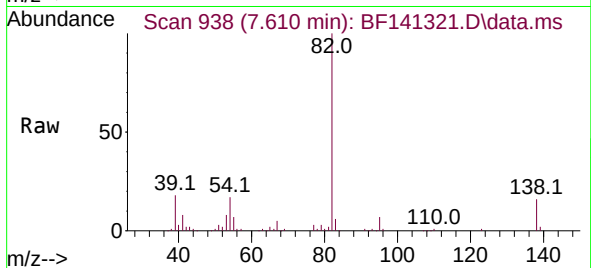
Tgt Ion: 77 Resp: 51078
 Ion Ratio Lower Upper
 77 100
 123 49.6 37.3 55.9
 65 14.8 11.8 17.6





#25
Isophorone
Concen: 4.281 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

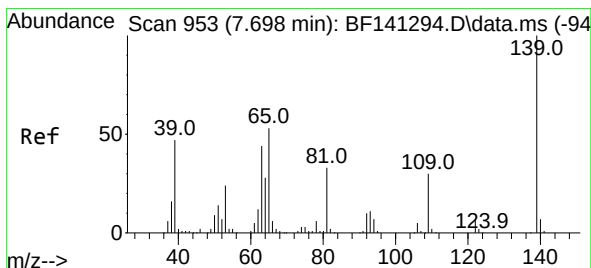
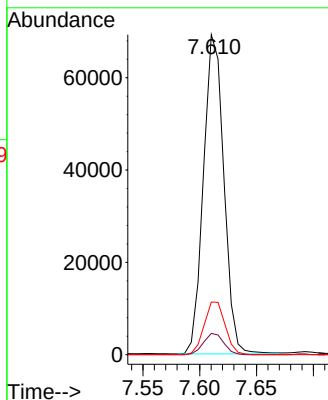
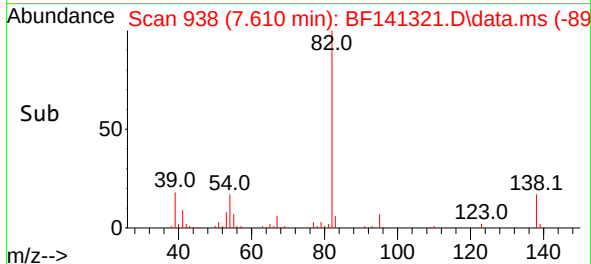
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



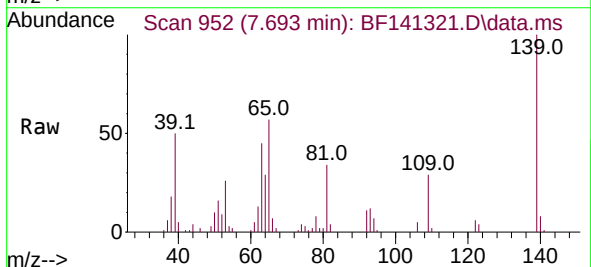
Tgt Ion: 82 Resp: 8654
Ion Ratio Lower Upper
82 100
95 6.7 5.8 8.6
138 16.5 14.7 22.1

Manual Integrations
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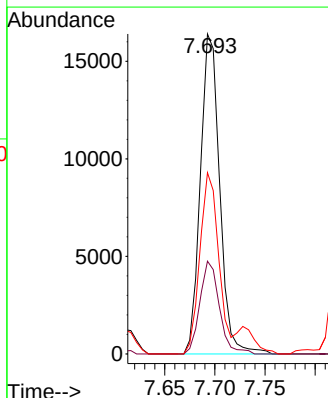
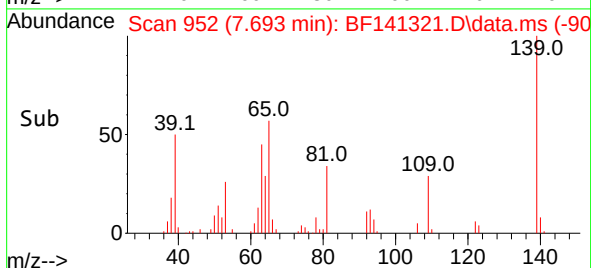
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

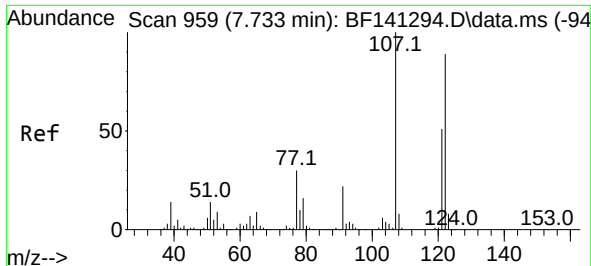


#26
2-Nitrophenol
Concen: 3.857 ng
RT: 7.693 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15



Tgt Ion:139 Resp: 22049
Ion Ratio Lower Upper
139 100
109 29.0 23.8 35.6
65 56.7 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 2.327 ng m

RT: 7.728 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF141321.D

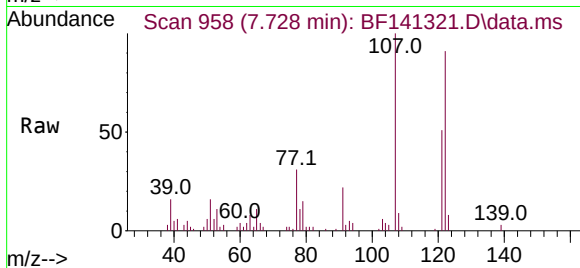
Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

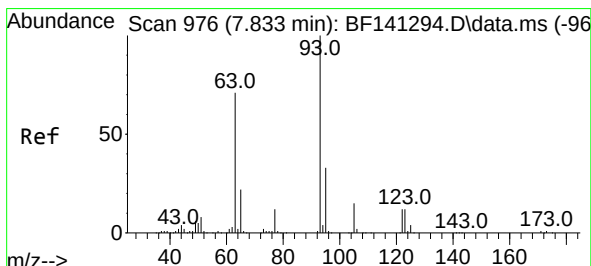
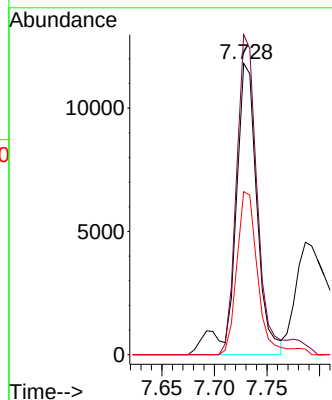
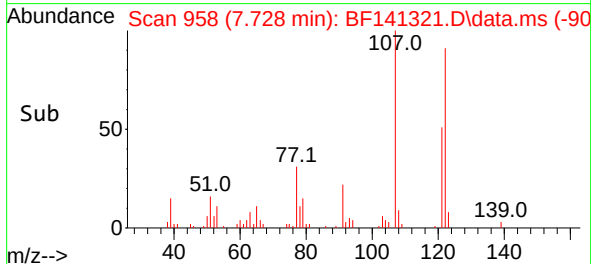


Tgt Ion:	122	Resp:	16934
Ion	Ratio	Lower	Upper
122	100		
107	109.9	89.9	134.9
121	56.0	46.1	69.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 4.314 ng

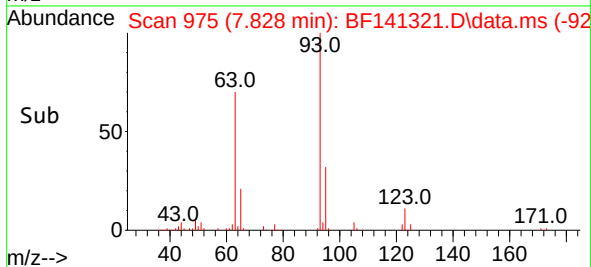
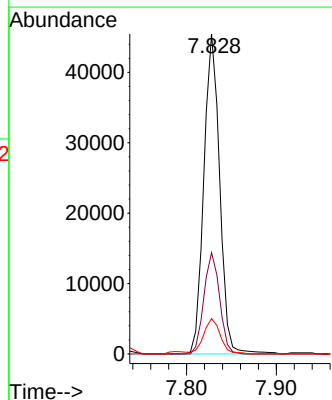
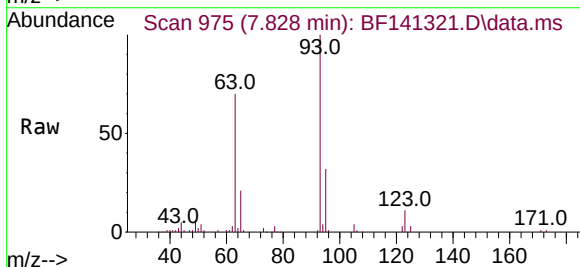
RT: 7.828 min Scan# 975

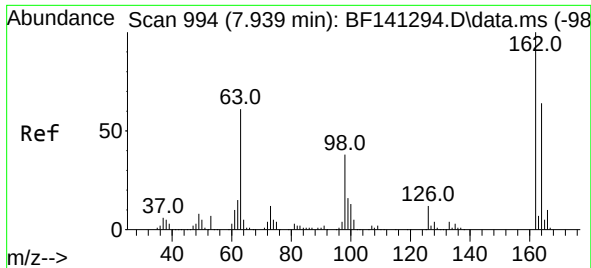
Delta R.T. -0.012 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Tgt Ion:	93	Resp:	55637
Ion	Ratio	Lower	Upper
93	100		
95	31.6	26.2	39.2
123	11.1	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 4.035 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.012 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

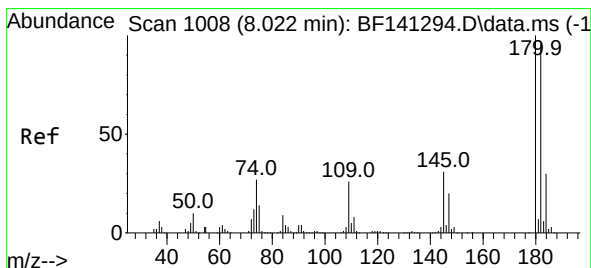
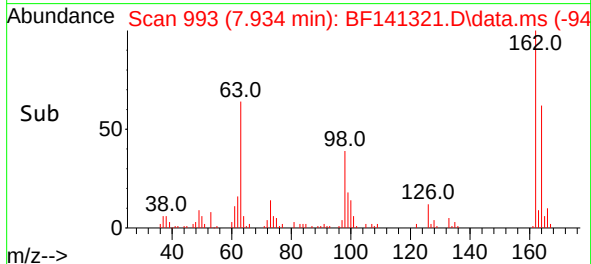
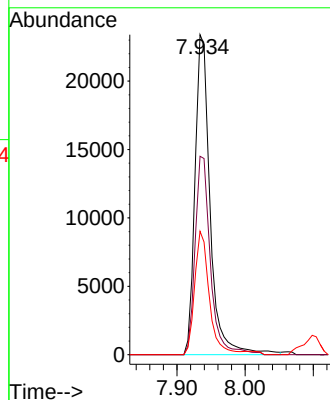
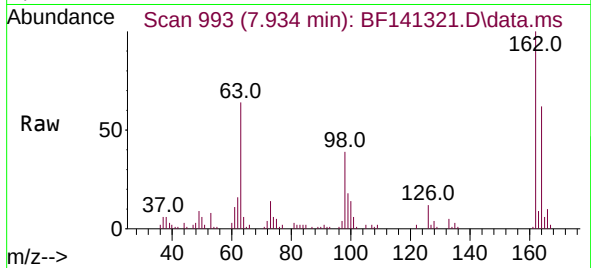
MDL-SOIL-03-QT1-2025

Tgt Ion:162	Resp:	3593
Ion Ratio	Lower	Upper
162	100	
164	62.0	44.2 84.2
98	38.6	18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 4.176 ng

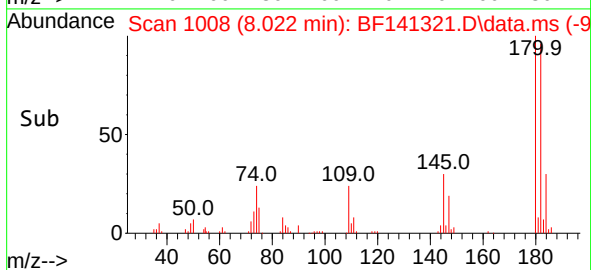
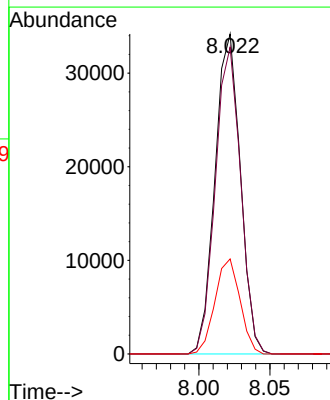
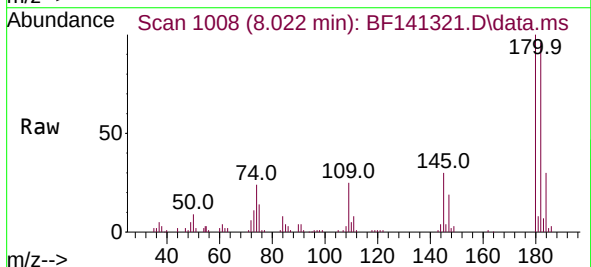
RT: 8.022 min Scan# 1008

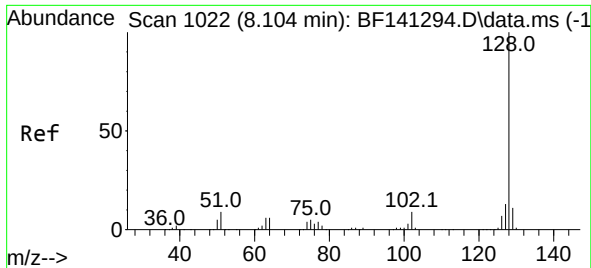
Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

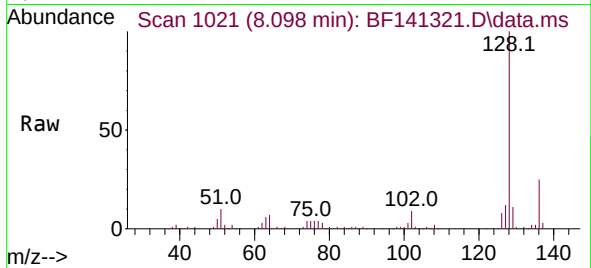
Tgt Ion:180	Resp:	42481
Ion Ratio	Lower	Upper
180	100	
182	95.9	76.4 114.6
145	29.7	24.9 37.3





#31
Naphthalene
Concen: 4.343 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

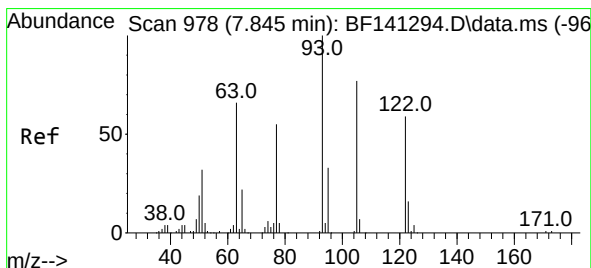
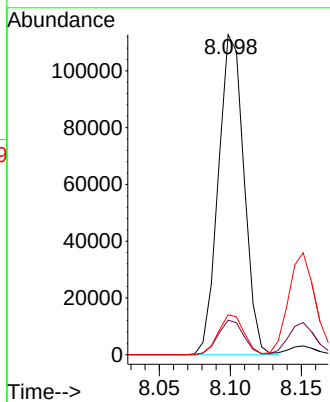
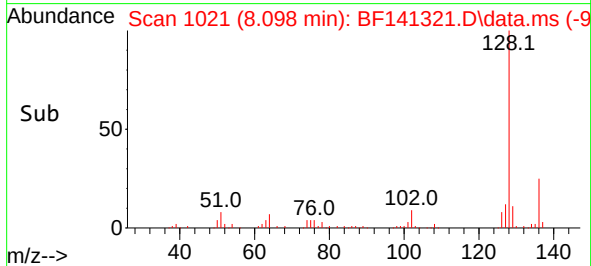
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion:128 Resp: 141463
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 12.5 10.6 15.8

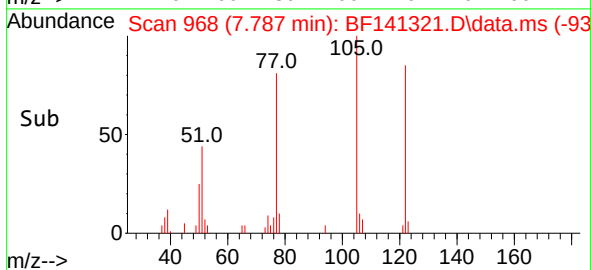
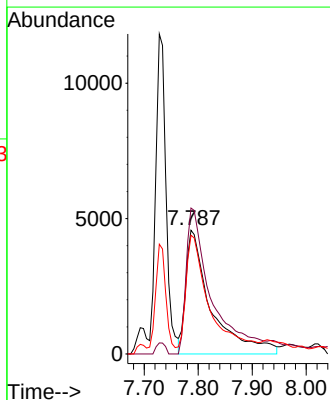
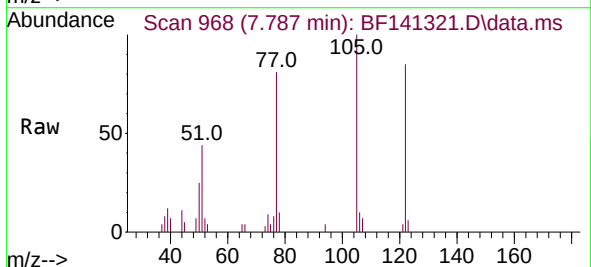
Manual Integrations
APPROVED

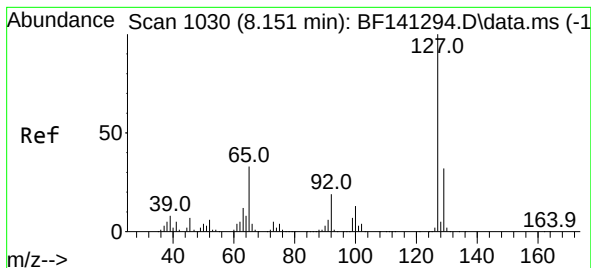
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 2.237 ng m
RT: 7.787 min Scan# 968
Delta R.T. -0.094 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:122 Resp: 14963
Ion Ratio Lower Upper
122 100
105 118.0 103.4 143.4
77 96.0 70.9 110.9





#33

4-Chloroaniline

Concen: 4.523 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

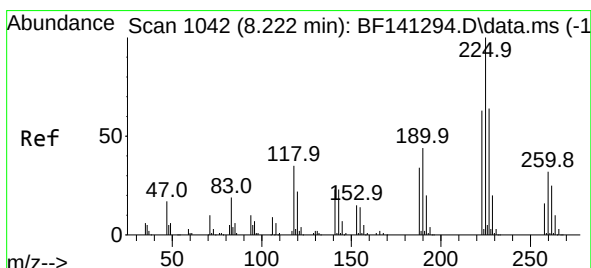
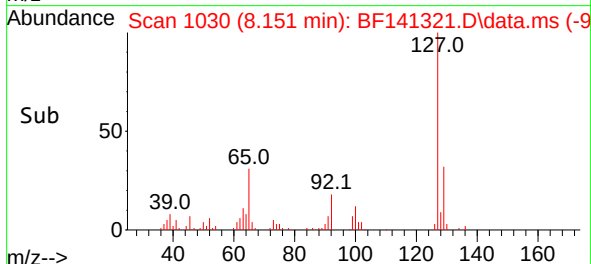
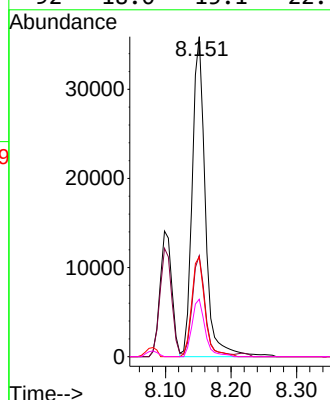
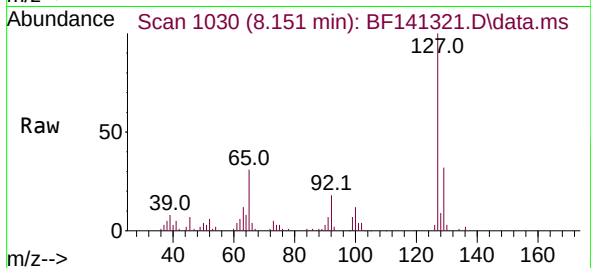
MDL-SOIL-03-QT1-2025

Tgt Ion:	127	Resp:	4995
Ion Ratio	Lower	Upper	
127	100		
129	31.6	25.7	38.5
65	31.1	26.4	39.6
92	18.0	15.1	22.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#34

Hexachlorobutadiene

Concen: 4.069 ng

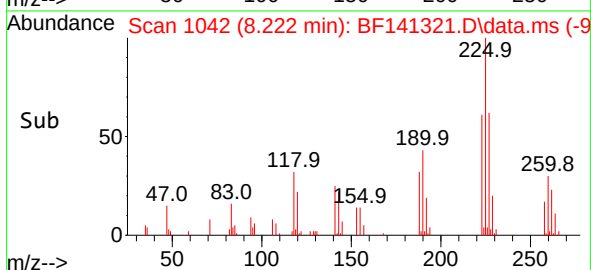
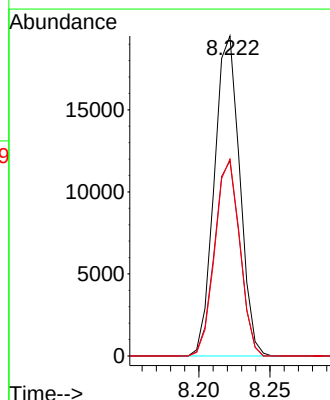
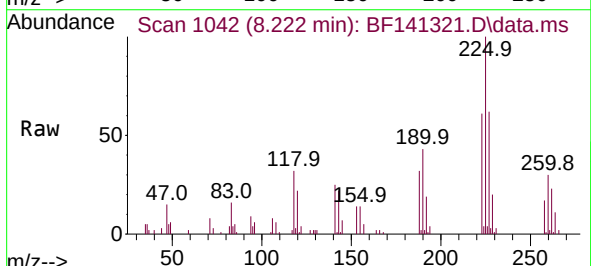
RT: 8.222 min Scan# 1042

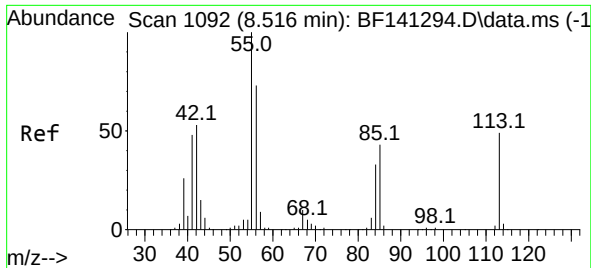
Delta R.T. -0.000 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

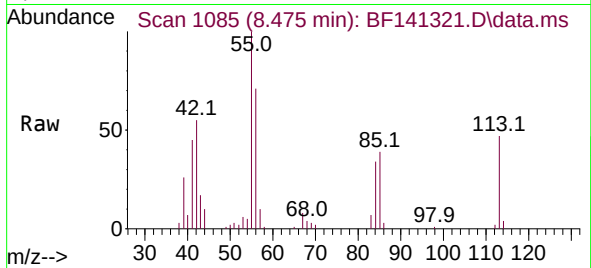
Tgt Ion:	225	Resp:	24276
Ion Ratio	Lower	Upper	
225	100		
223	61.0	50.4	75.6
227	61.5	51.3	76.9





#35
Caprolactam
Concen: 3.692 ng
RT: 8.475 min Scan# 1085
Delta R.T. -0.071 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

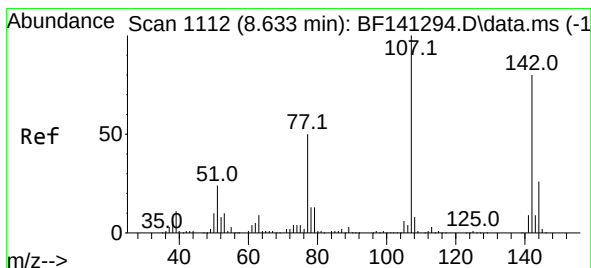
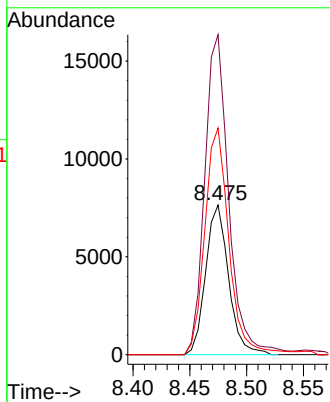
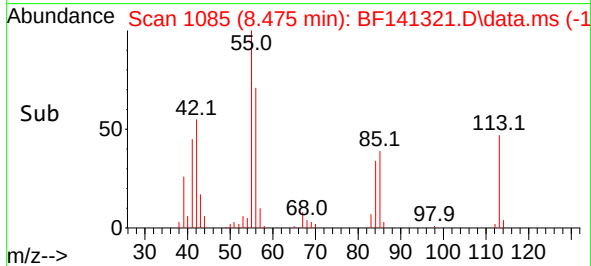
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion:113 Resp: 10739
Ion Ratio Lower Upper
113 100
55 213.8 182.9 222.9
56 151.5 127.9 167.9

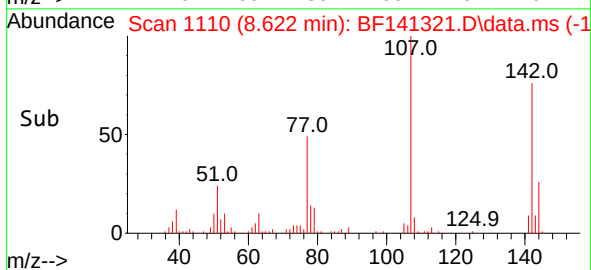
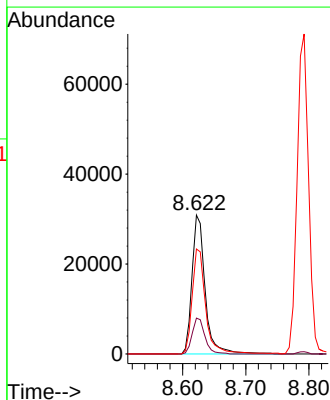
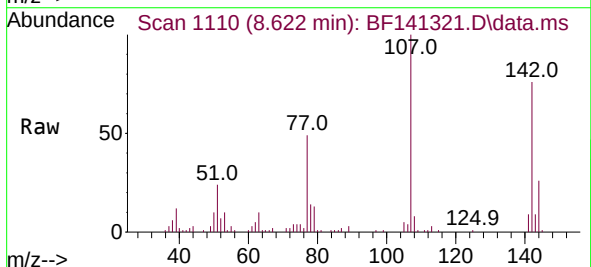
Manual Integrations
APPROVED

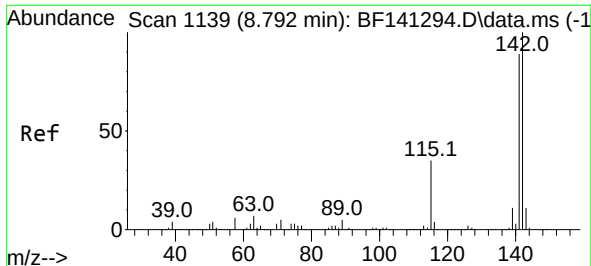
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#36
4-Chloro-3-methylphenol
Concen: 4.683 ng
RT: 8.622 min Scan# 1110
Delta R.T. -0.018 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:107 Resp: 44740
Ion Ratio Lower Upper
107 100
144 25.8 20.7 31.1
142 75.5 63.8 95.8





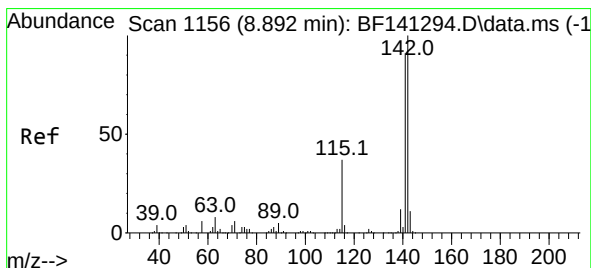
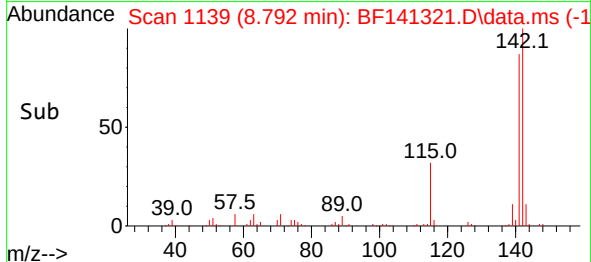
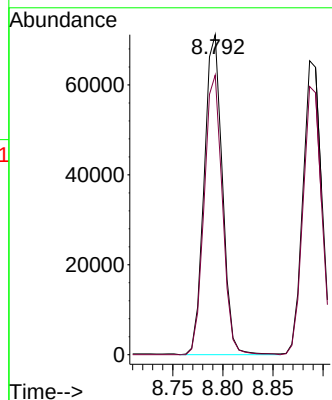
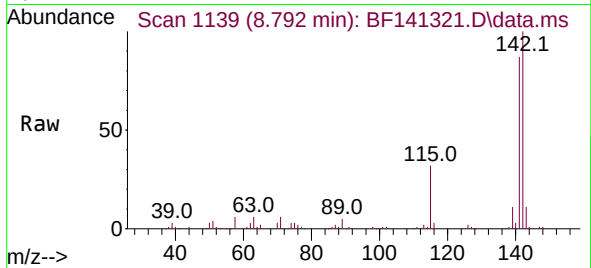
#37
2-Methylnaphthalene
Concen: 4.343 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion:142 Resp: 89914
Ion Ratio Lower Upper
142 100
141 87.4 71.3 106.9

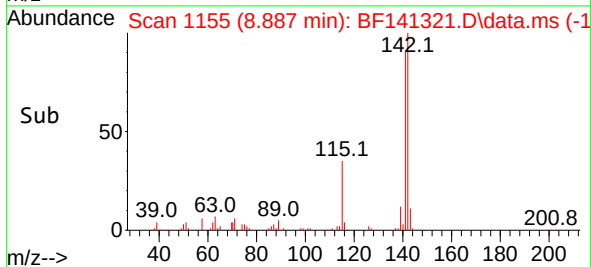
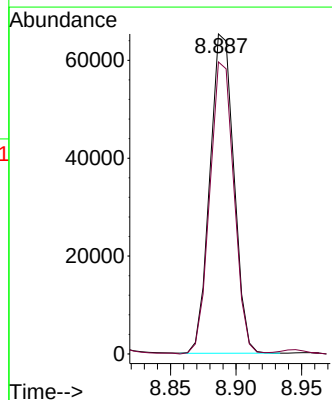
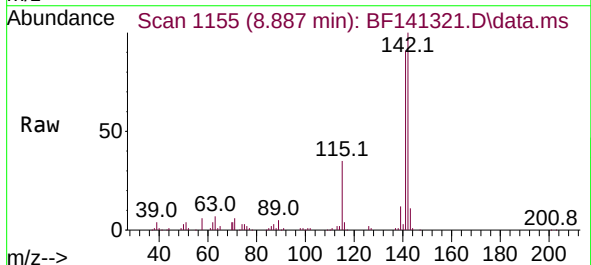
Manual Integrations
APPROVED

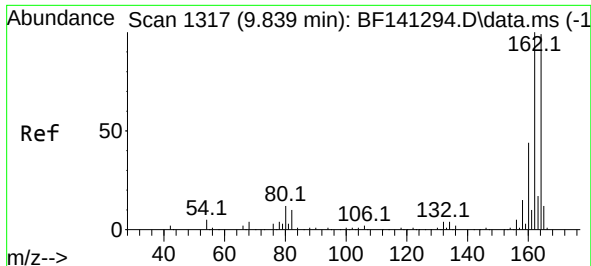
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#38
1-Methylnaphthalene
Concen: 4.097 ng
RT: 8.887 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

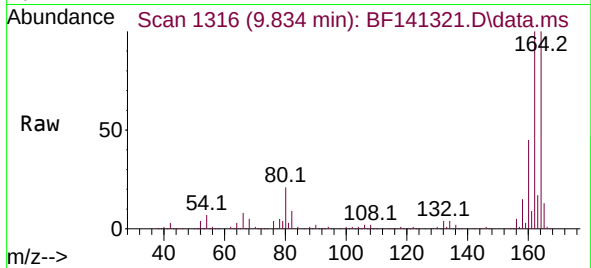
Tgt Ion:142 Resp: 83323
Ion Ratio Lower Upper
142 100
141 91.2 73.2 109.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

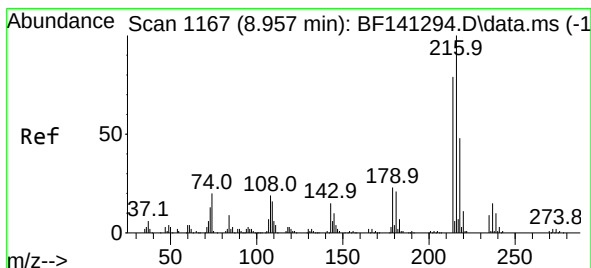
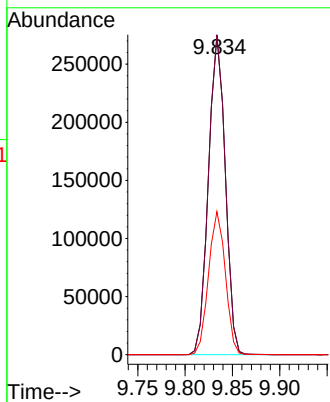
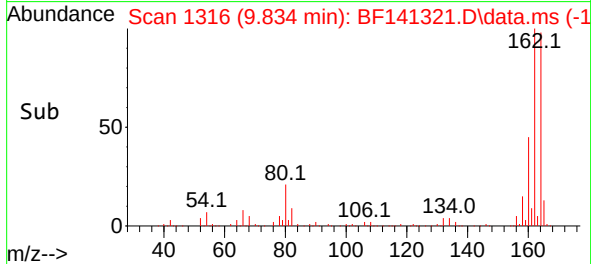
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion:164 Resp: 338750
Ion Ratio Lower Upper
164 100
162 100.3 80.6 121.0
160 44.8 35.8 53.6

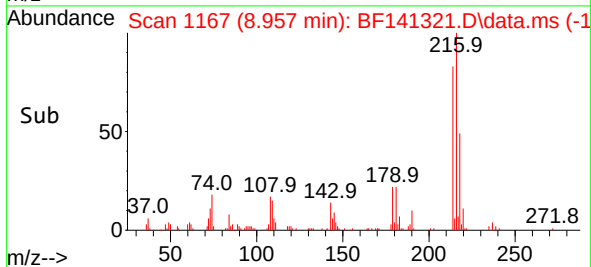
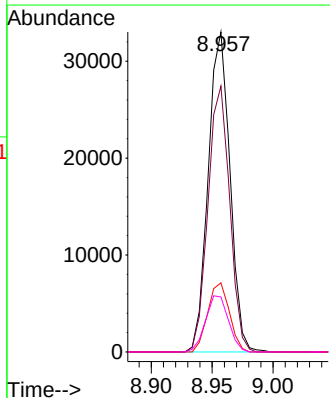
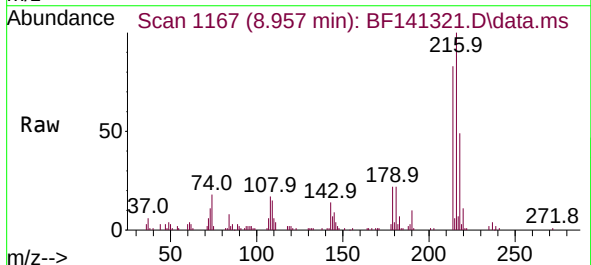
Manual Integrations
APPROVED

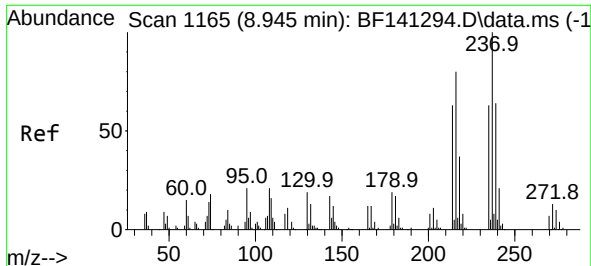
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.244 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

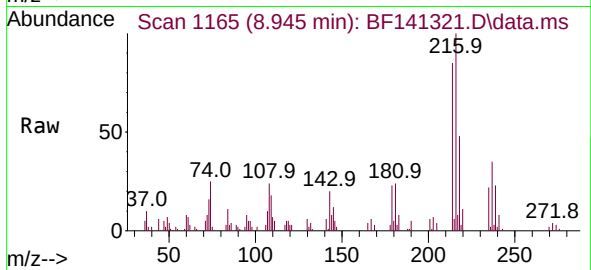
Tgt Ion:216 Resp: 40903
Ion Ratio Lower Upper
216 100
214 82.8 63.2 94.8
179 21.6 17.8 26.8
108 18.5 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 2.173 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

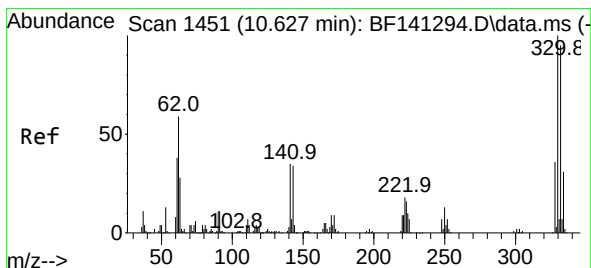
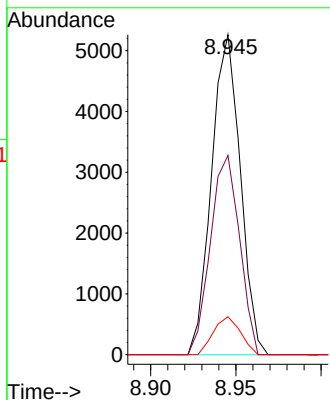
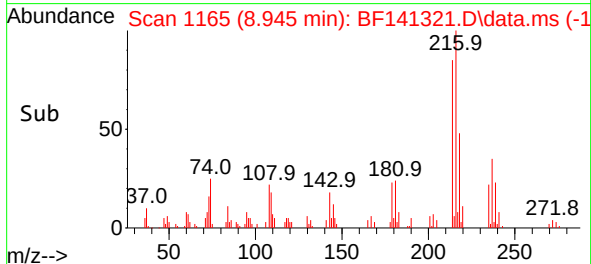
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT1-2025



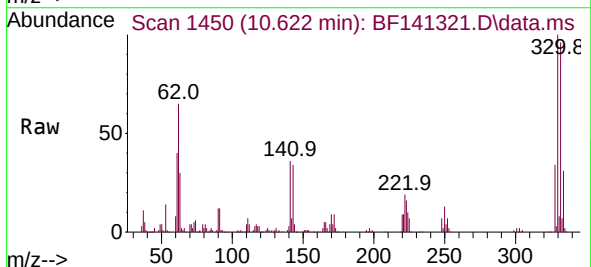
Tgt Ion: 237 Resp: 618
Ion Ratio Lower Upper
237 100
235 62.3 42.9 82.9
272 11.9 0.0 32.8

Manual Integrations
APPROVED

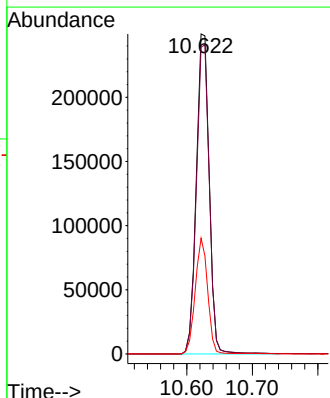
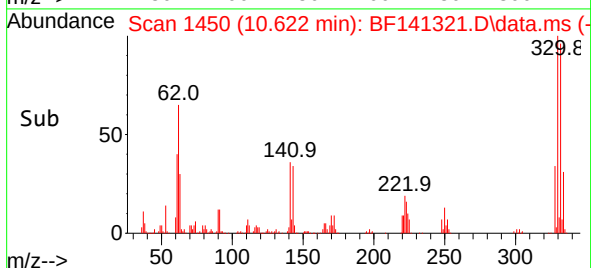
Reviewed By : Jagrut Upadhyay 02/03/2025
Supervised By : mohammad ahmed 02/04/2025

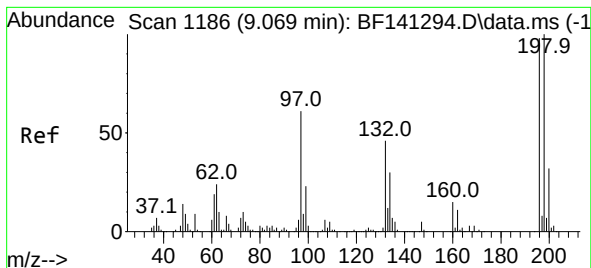


#42
2,4,6-Tribromophenol
Concen: 110.410 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15



Tgt Ion: 330 Resp: 342884
Ion Ratio Lower Upper
330 100
332 96.8 76.1 114.1
141 34.7 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 3.766 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

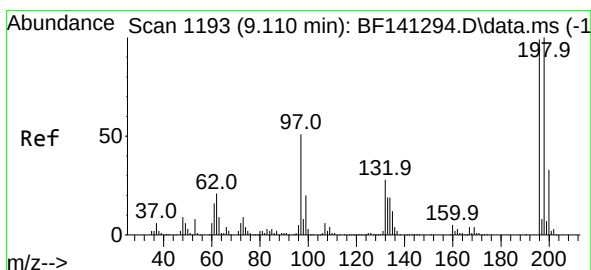
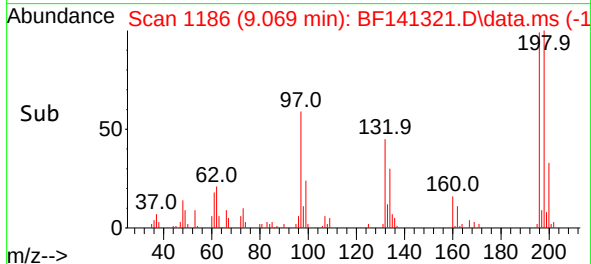
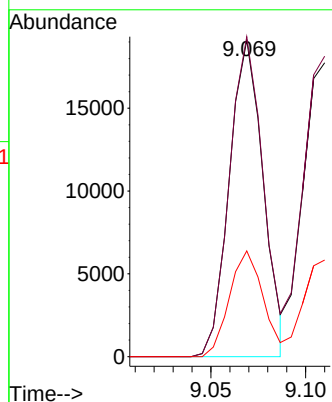
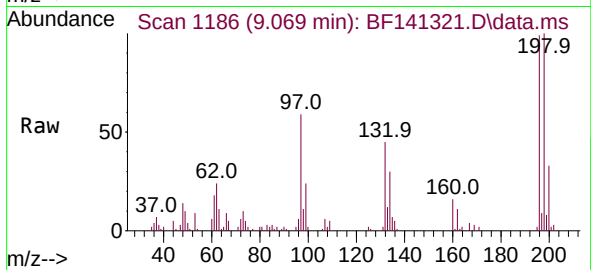
MDL-SOIL-03-QT1-2025

Tgt Ion:	196	Resp:	2375
Ion Ratio	Lower	Upper	
196	100		
198	101.1	81.8	122.6
200	33.4	26.3	39.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#44

2,4,5-Trichlorophenol

Concen: 3.700 ng

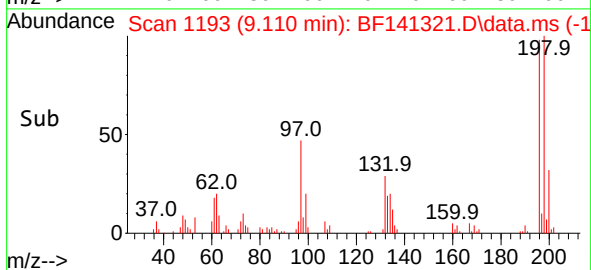
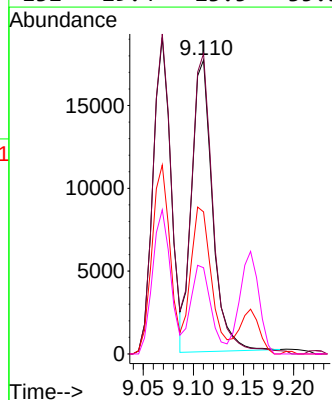
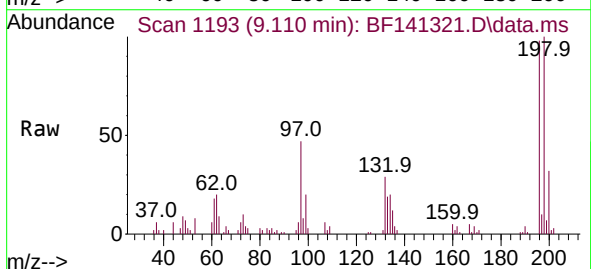
RT: 9.110 min Scan# 1193

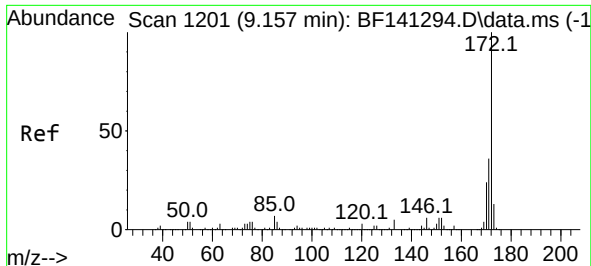
Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Tgt Ion:	196	Resp:	25400
Ion Ratio	Lower	Upper	
196	100		
198	102.3	80.5	120.7
97	48.3	42.8	64.2
132	29.4	23.5	35.3





#45

2-Fluorobiphenyl

Concen: 74.539 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:172 Resp: 164047

Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

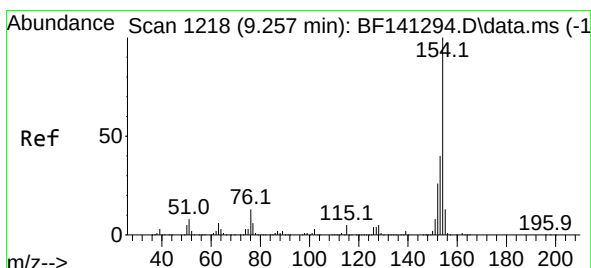
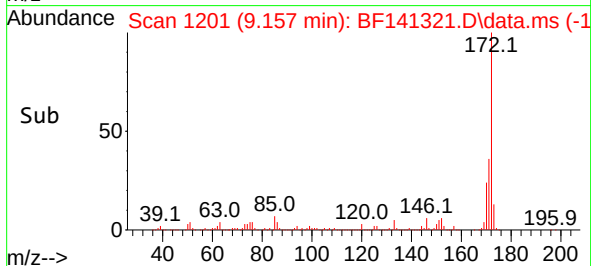
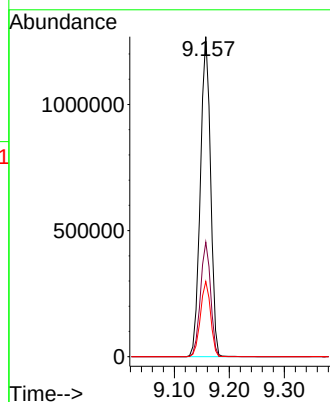
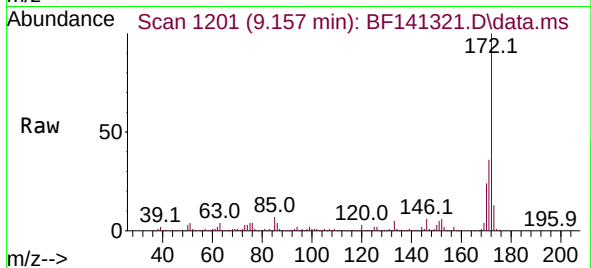
170 23.5 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025

Supervised By :mohammad ahmed 02/04/2025



#46

1,1'-Biphenyl

Concen: 4.622 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

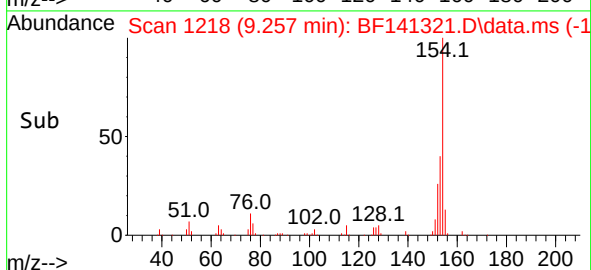
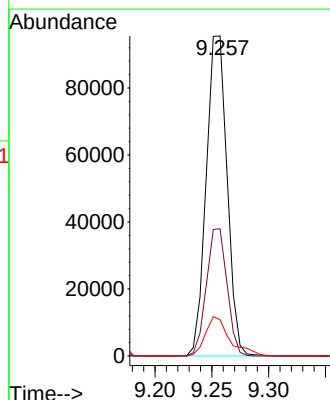
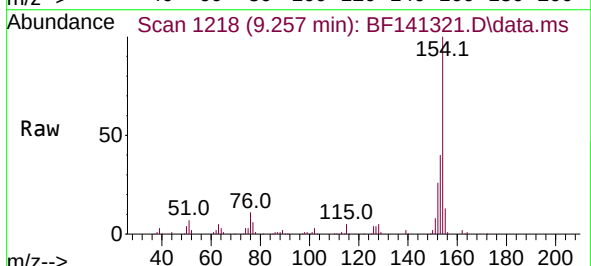
Tgt Ion:154 Resp: 122118

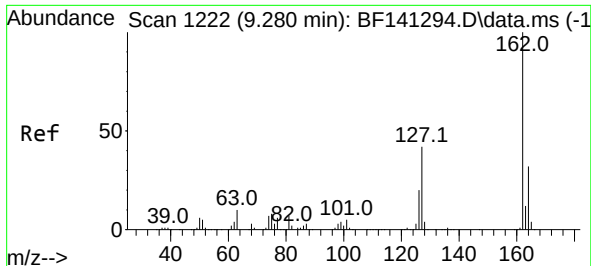
Ion Ratio Lower Upper

154 100

153 39.8 20.0 60.0

76 11.4 0.0 32.8





#47

2-Chloronaphthalene

Concen: 4.146 ng

RT: 9.281 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

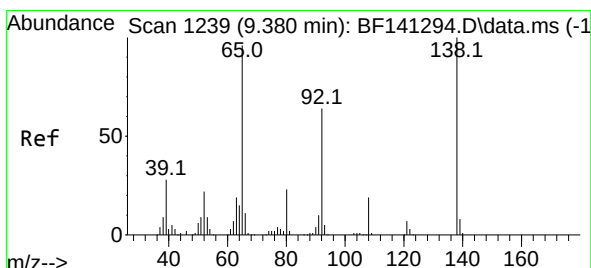
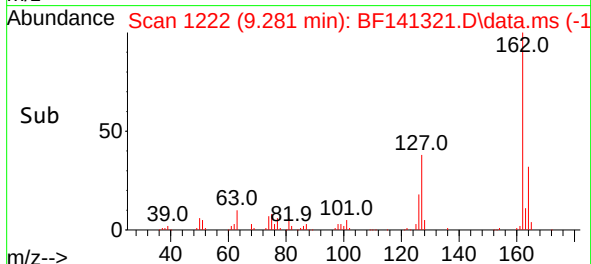
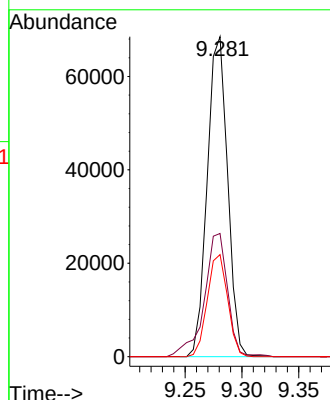
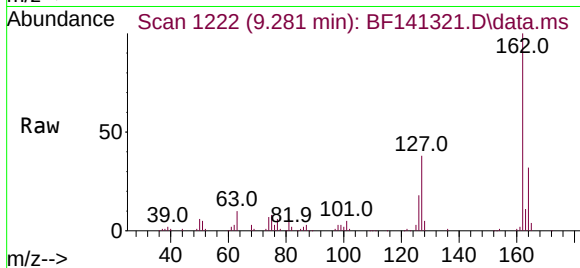
Tgt Ion:162 Resp: 8538

Ion	Ratio	Lower	Upper
162	100		
127	38.5	33.7	50.5
164	31.9	25.9	38.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

Concen: 3.753 ng

RT: 9.375 min Scan# 1238

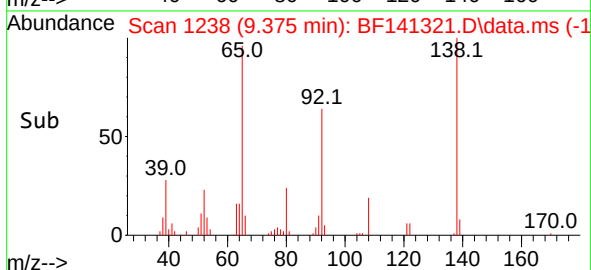
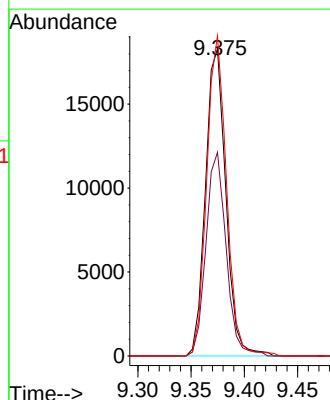
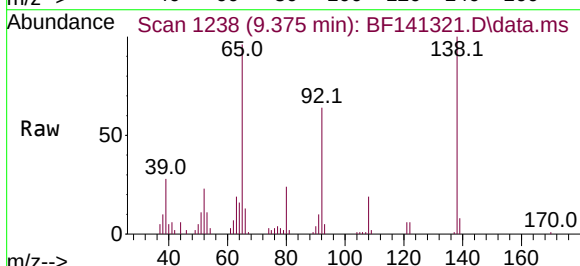
Delta R.T. -0.006 min

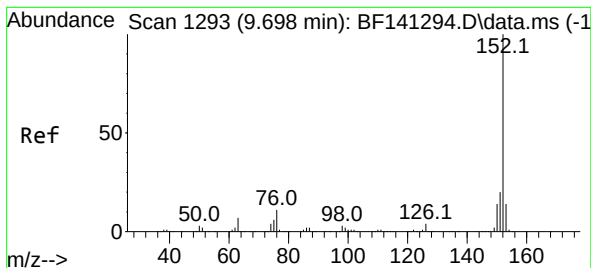
Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Tgt Ion: 65 Resp: 24308

Ion	Ratio	Lower	Upper
65	100		
92	66.3	53.3	79.9
138	104.1	83.6	125.4





#49

Acenaphthylene

Concen: 4.545 ng

RT: 9.692 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

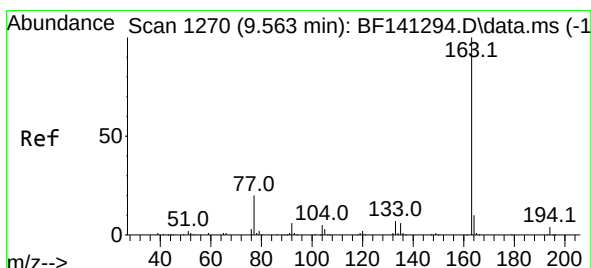
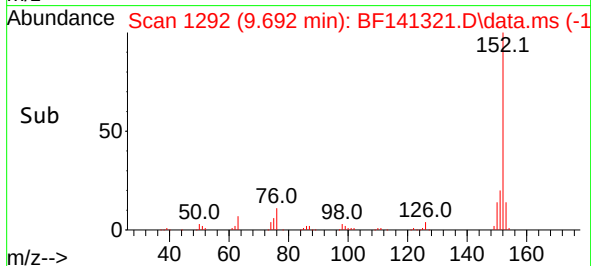
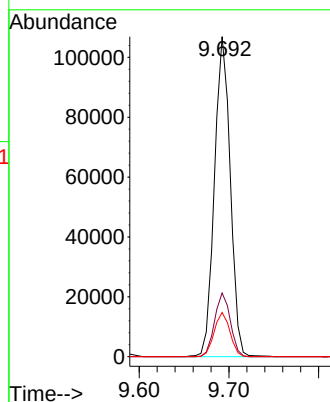
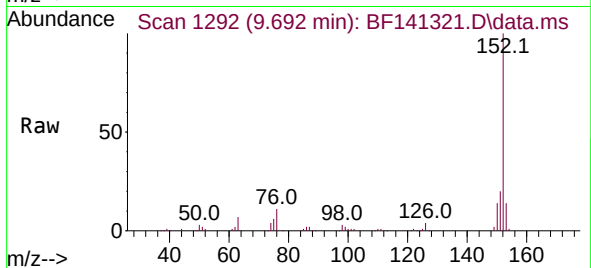
MDL-SOIL-03-QT1-2025

Tgt Ion:152	Resp: 13101
Ion Ratio	Lower Upper
152 100	
151 19.9	16.2 24.2
153 13.8	11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#50

Dimethylphthalate

Concen: 4.263 ng

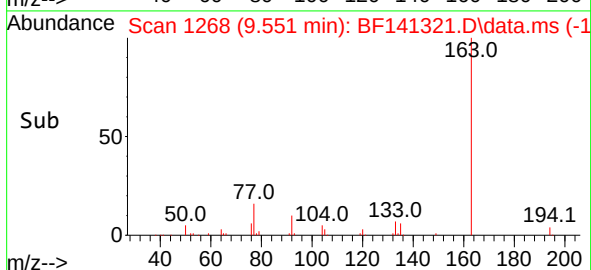
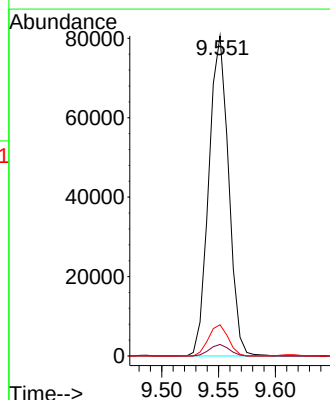
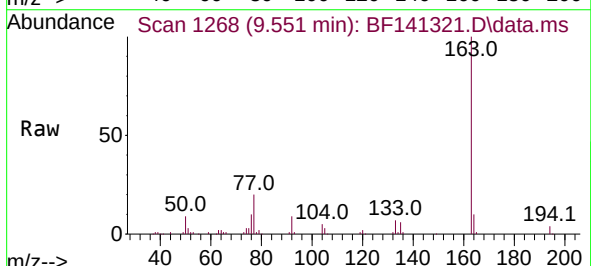
RT: 9.551 min Scan# 1268

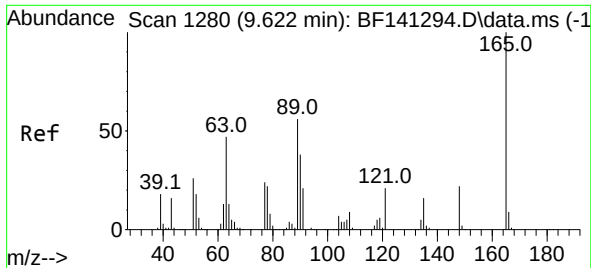
Delta R.T. -0.018 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

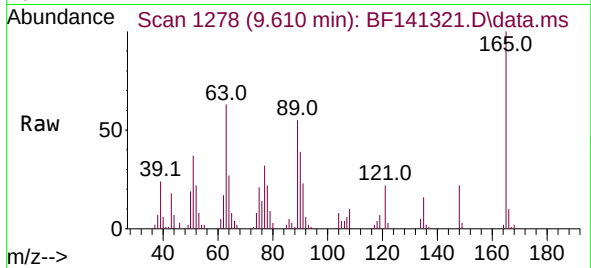
Tgt Ion:163	Resp: 97543
Ion Ratio	Lower Upper
163 100	
194 3.6	3.0 4.6
164 9.8	8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 3.904 ng
RT: 9.610 min Scan# 1278
Delta R.T. -0.018 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

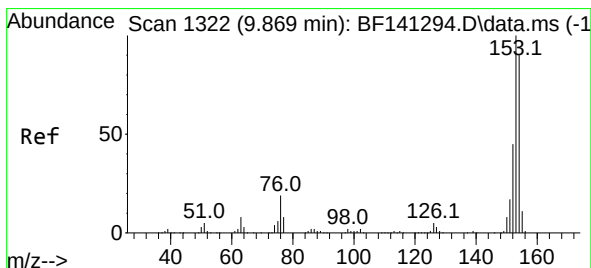
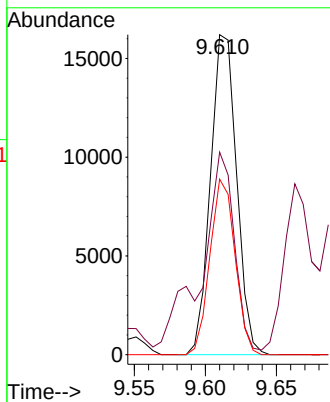
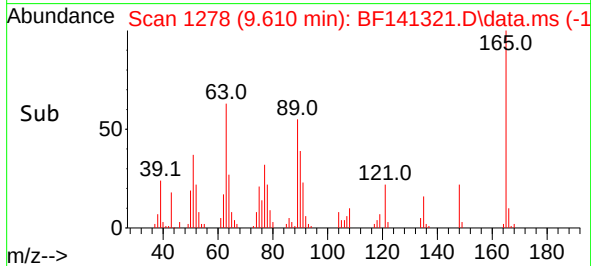
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



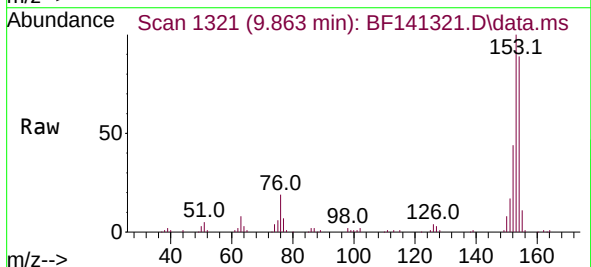
Tgt Ion:165 Resp: 2073
Ion Ratio Lower Upper
165 100
63 63.3 48.1 72.1
89 54.8 44.9 67.3

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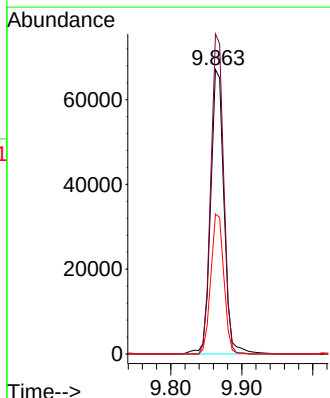
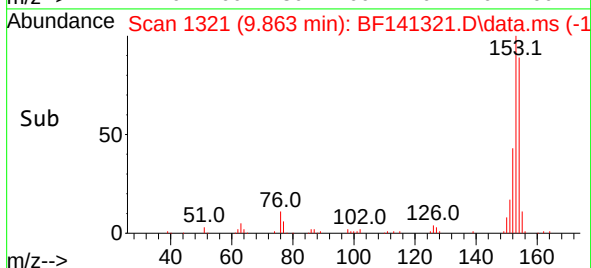
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

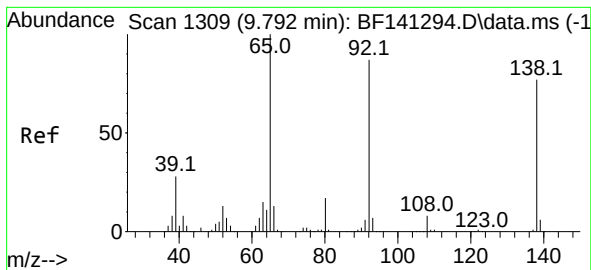


#52
Acenaphthene
Concen: 4.264 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15



Tgt Ion:154 Resp: 87796
Ion Ratio Lower Upper
154 100
153 112.5 89.0 133.4
152 49.2 40.2 60.4





#53

3-Nitroaniline

Concen: 3.838 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

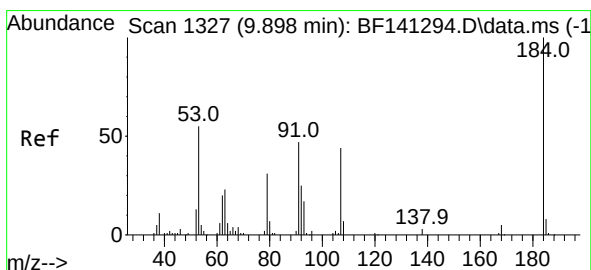
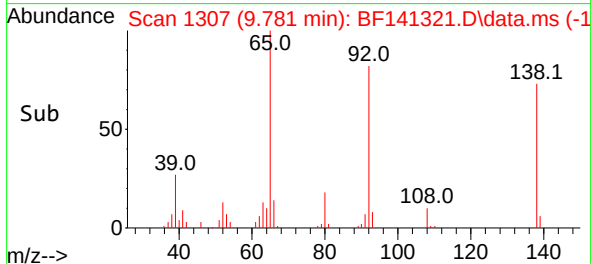
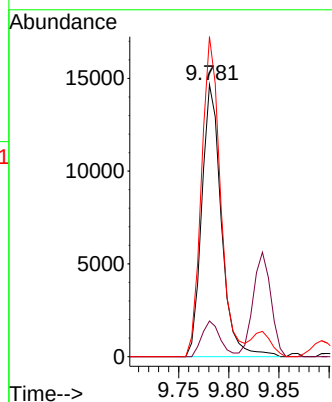
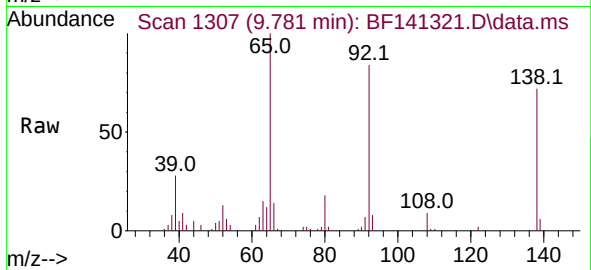
Tgt Ion:138 Resp: 19984

Ion	Ratio	Lower	Upper
138	100		
108	13.1	8.6	12.8
92	117.6	91.0	136.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#54

2,4-Dinitrophenol

Concen: 1.660 ng

RT: 9.892 min Scan# 1326

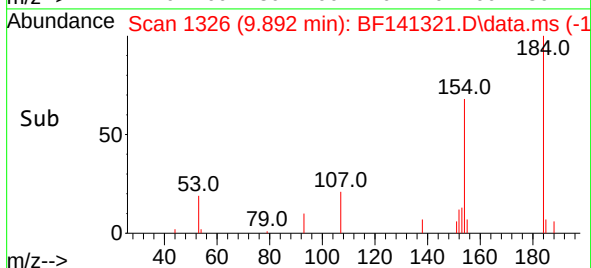
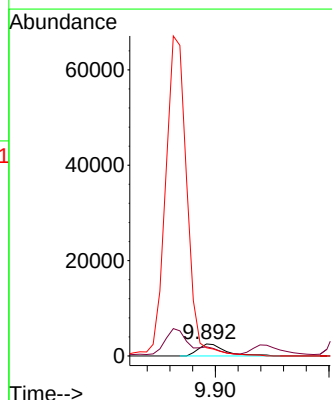
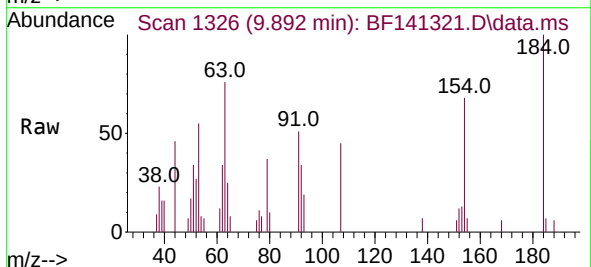
Delta R.T. -0.012 min

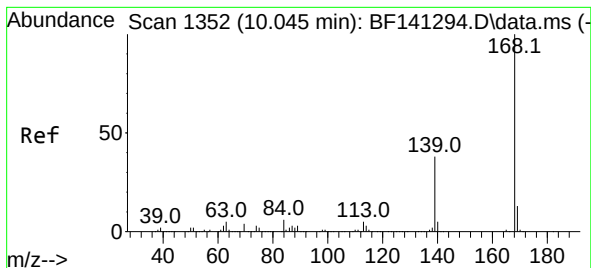
Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Tgt Ion:184 Resp: 4100

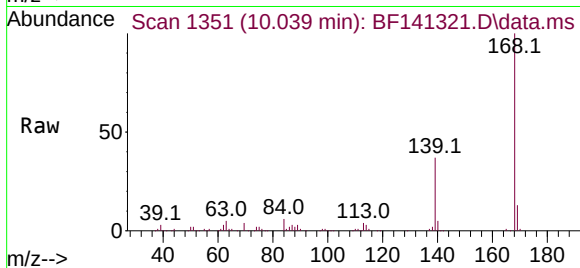
Ion	Ratio	Lower	Upper
184	100		
63	76.4	54.1	81.1
154	68.1	50.7	76.1





#55
Dibenzenofuran
Concen: 4.418 ng
RT: 10.039 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

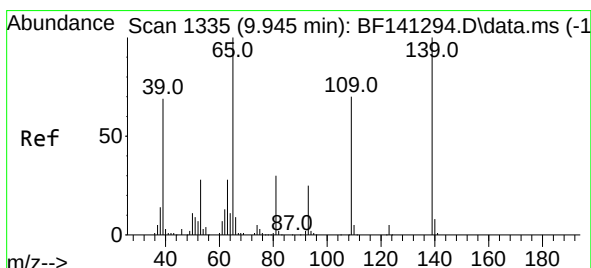
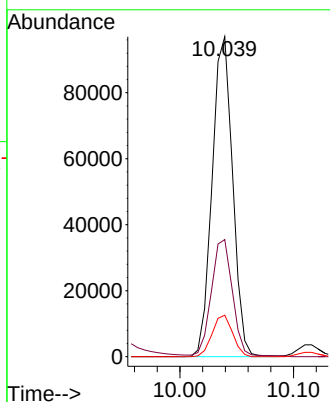
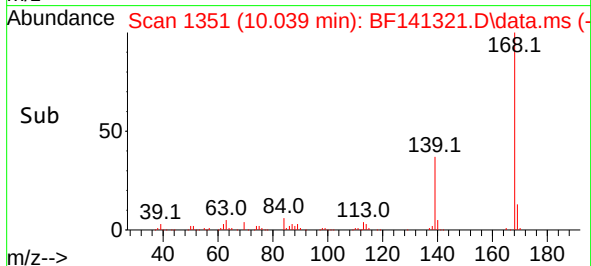
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT1-2025



Tgt Ion:168 Resp: 121778
Ion Ratio Lower Upper
168 100
139 36.6 30.6 46.0
169 13.0 10.8 16.2

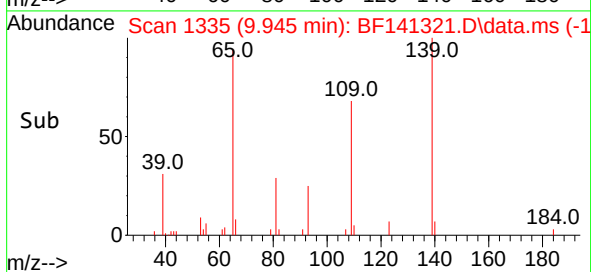
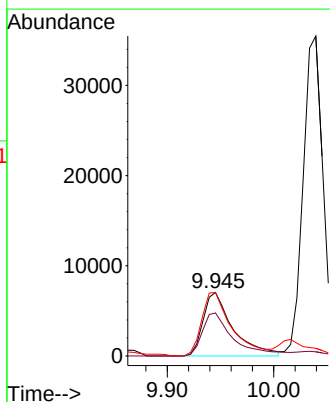
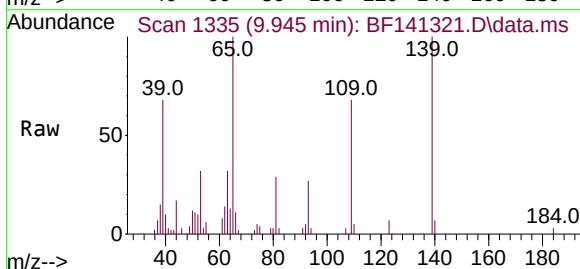
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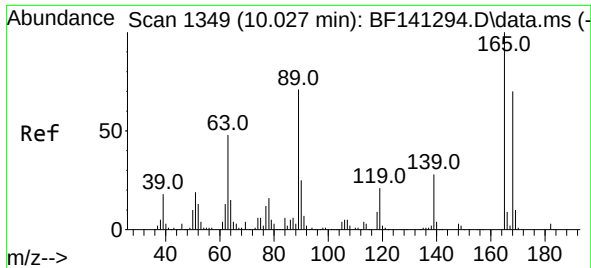
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#56
4-Nitrophenol
Concen: 3.593 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

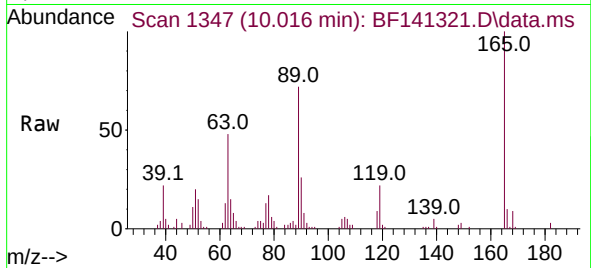
Tgt Ion:139 Resp: 13682
Ion Ratio Lower Upper
139 100
109 67.8 50.2 90.2
65 100.0 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 4.238 ng
RT: 10.016 min Scan# 1409
Delta R.T. -0.018 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

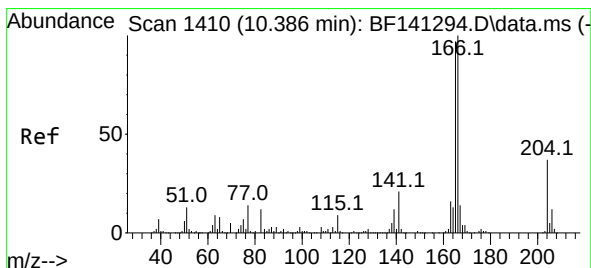
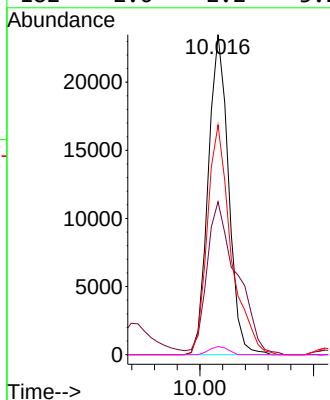
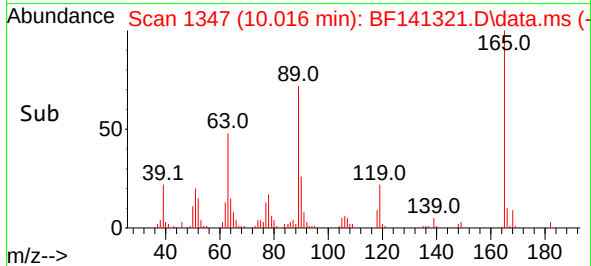
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion:165 Resp: 29150
Ion Ratio Lower Upper
165 100
63 47.8 39.2 58.8
89 71.8 56.9 85.3
182 2.6 2.2 3.2

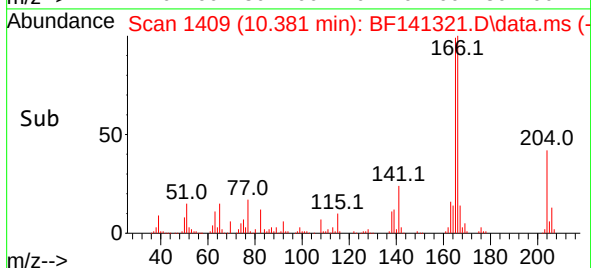
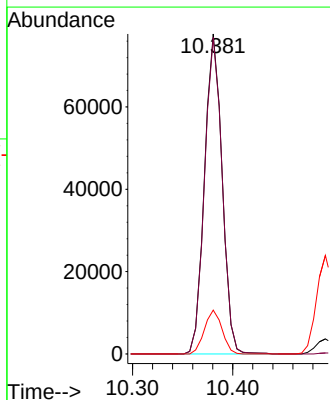
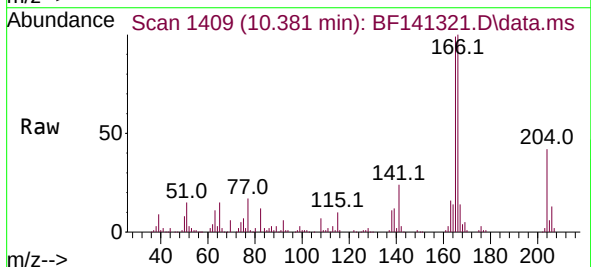
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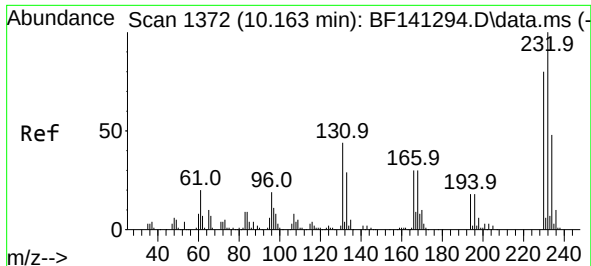
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#58
Fluorene
Concen: 4.443 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

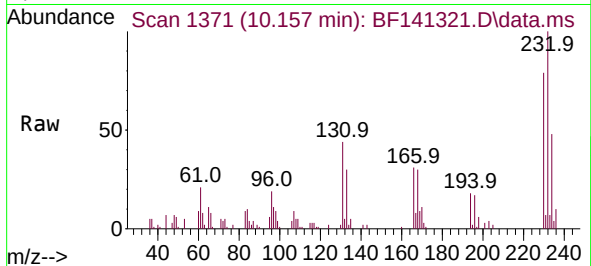
Tgt Ion:166 Resp: 95003
Ion Ratio Lower Upper
166 100
165 98.9 77.5 116.3
167 13.7 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.032 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

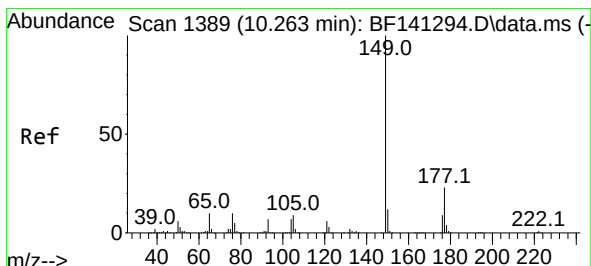
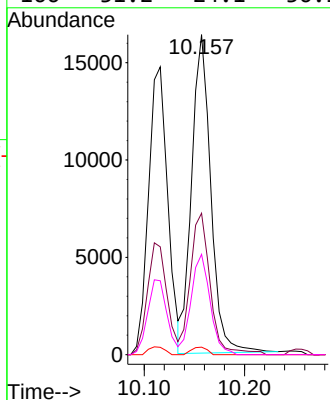
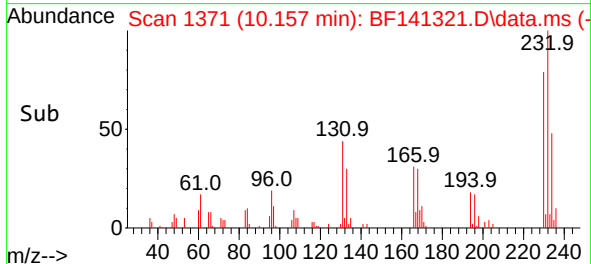
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



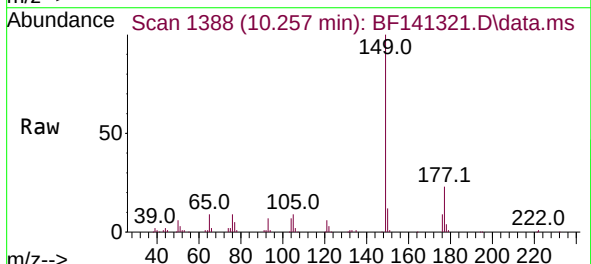
Tgt Ion:232 Resp: 2177
Ion Ratio Lower Upper
232 100
131 46.1 36.4 54.6
130 2.0 1.9 2.9
166 31.2 24.1 36.1

Manual Integrations
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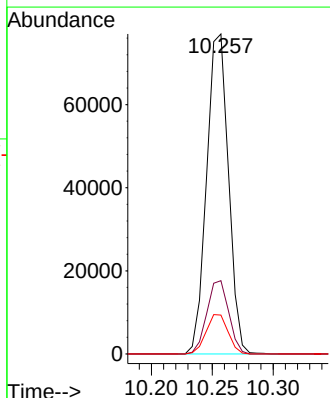
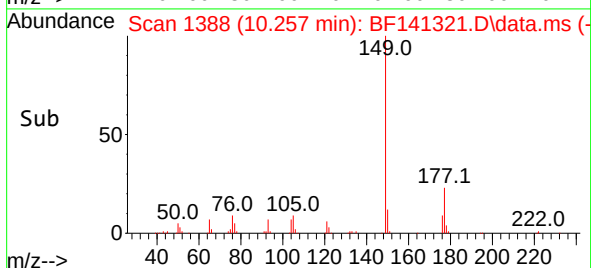
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

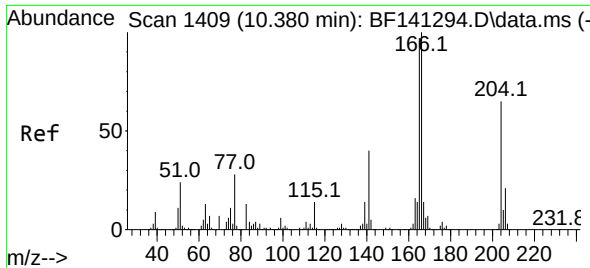


#60
Diethylphthalate
Concen: 4.327 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15



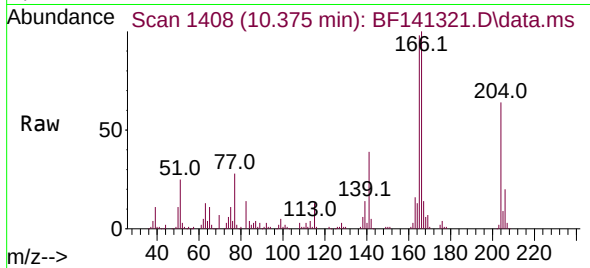
Tgt Ion:149 Resp: 95984
Ion Ratio Lower Upper
149 100
177 22.9 18.5 27.7
150 12.2 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 4.418 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

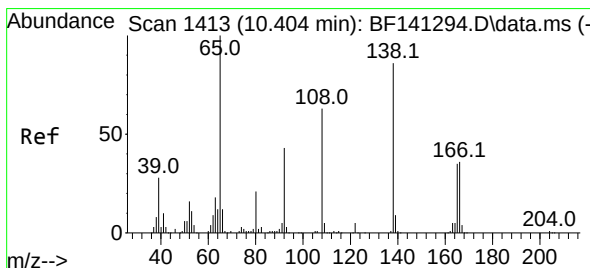
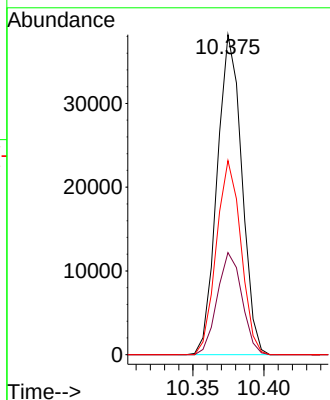
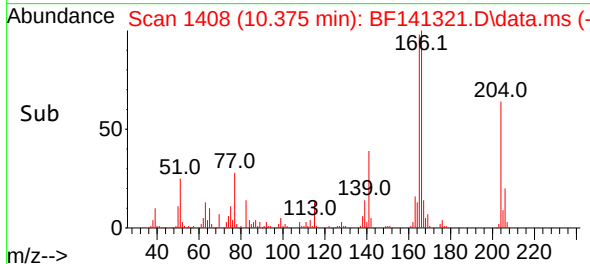
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



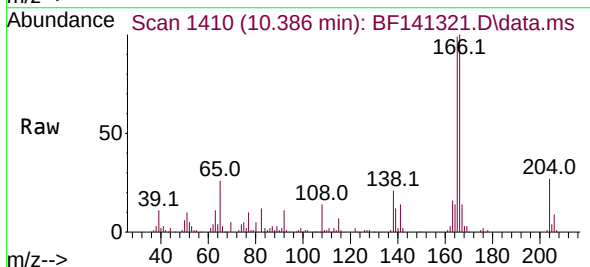
Tgt Ion:204 Resp: 46138
Ion Ratio Lower Upper
204 100
206 31.9 25.9 38.9
141 60.6 49.5 74.3

Manual Integrations
APPROVED

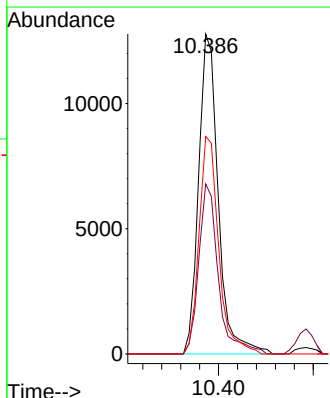
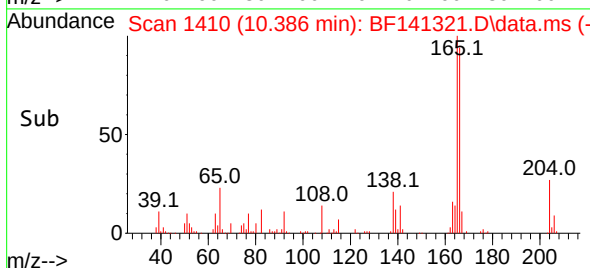
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

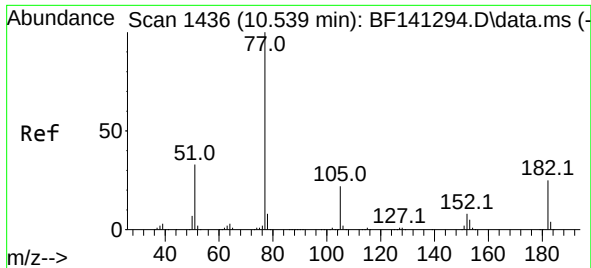


#62
4-Nitroaniline
Concen: 3.594 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15



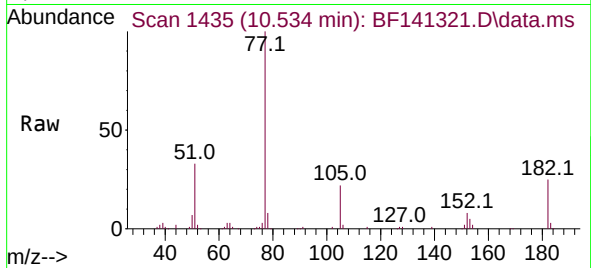
Tgt Ion:138 Resp: 18395
Ion Ratio Lower Upper
138 100
92 53.1 30.1 70.1
108 68.0 53.1 93.1





#63
Azobenzene
Concen: 4.260 ng
RT: 10.534 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

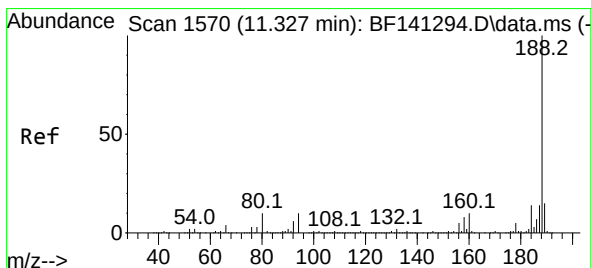
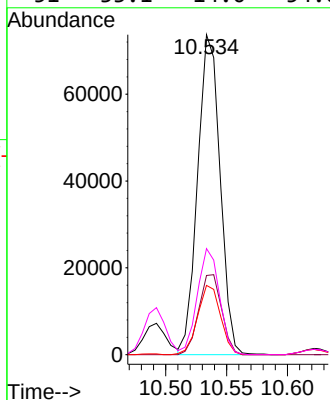
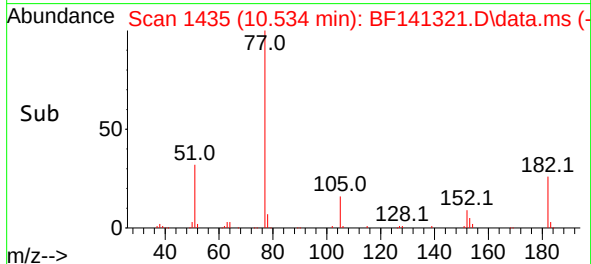
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT1-2025



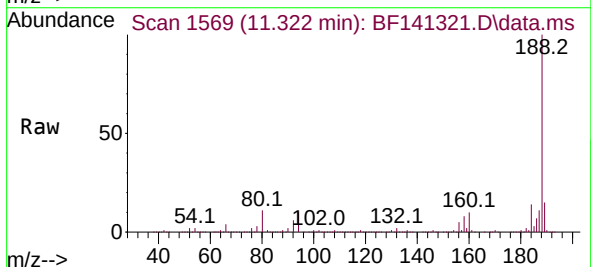
Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.8	5.1	45.1
105	21.7	1.8	41.8
51	33.1	14.0	54.0

Manual Integrations
APPROVED

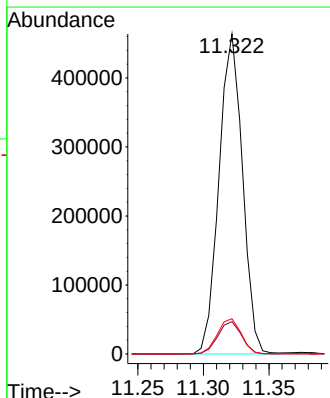
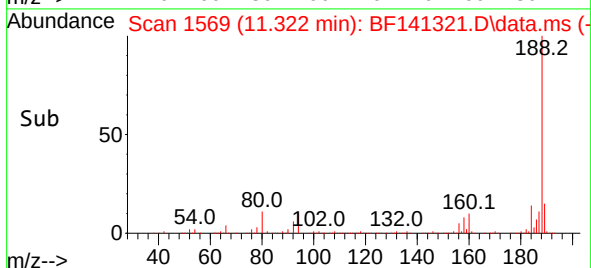
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

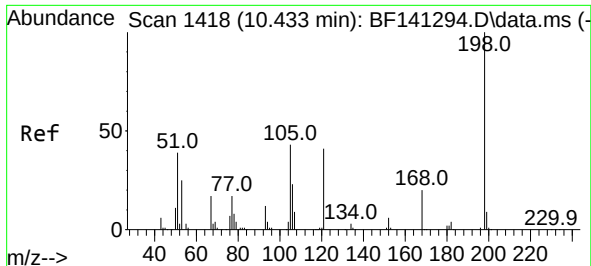


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15



Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.8	11.6
80	11.0	8.2	12.4





#65

4,6-Dinitro-2-methylphenol

Concen: 2.750 ng

RT: 10.428 min Scan# 1418

Delta R.T. -0.012 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

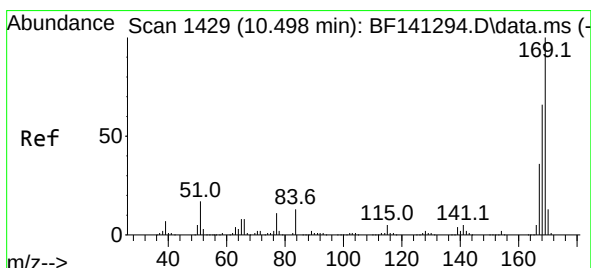
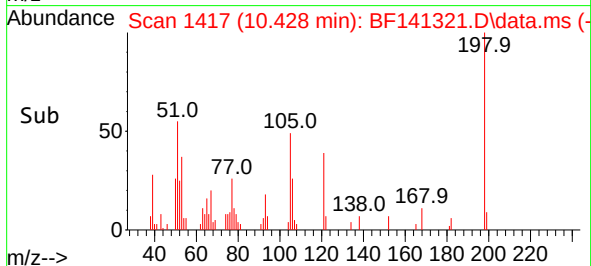
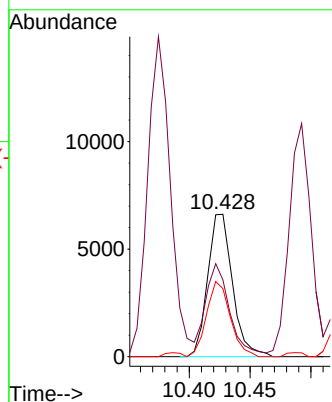
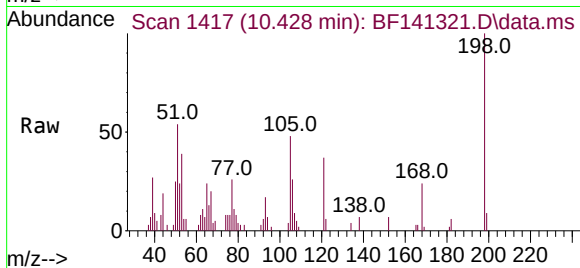
MDL-SOIL-03-QT1-2025

Tgt Ion:198	Resp:	9380
Ion Ratio	Lower	Upper
198	100	
51	54.0	33.4
105	47.8	24.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#66

n-Nitrosodiphenylamine

Concen: 4.405 ng

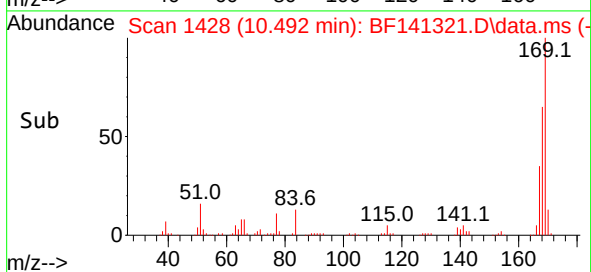
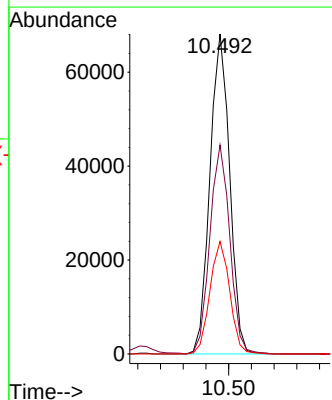
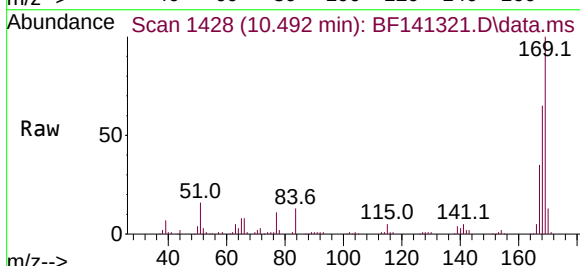
RT: 10.492 min Scan# 1428

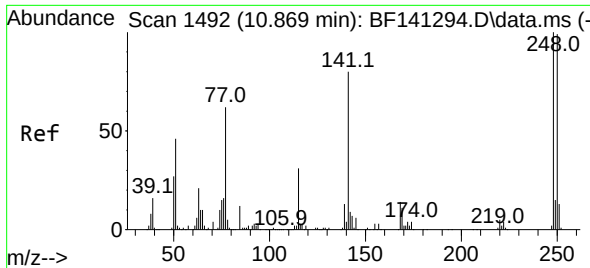
Delta R.T. -0.012 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

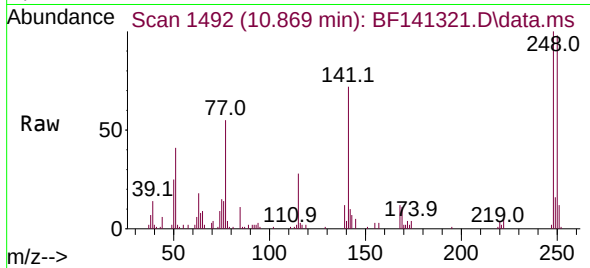
Tgt Ion:169	Resp:	82224
Ion Ratio	Lower	Upper
169	100	
168	65.3	53.0
167	35.1	28.8





#67
4-Bromophenyl-phenylether
Concen: 4.186 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

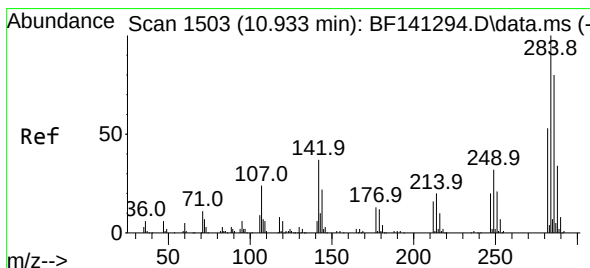
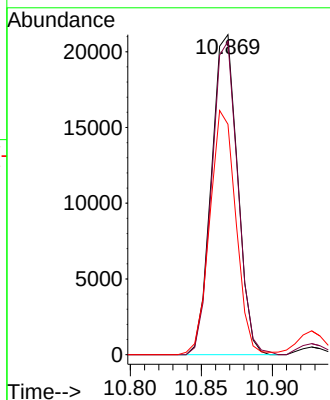
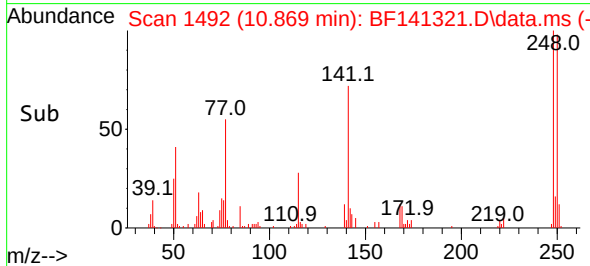
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



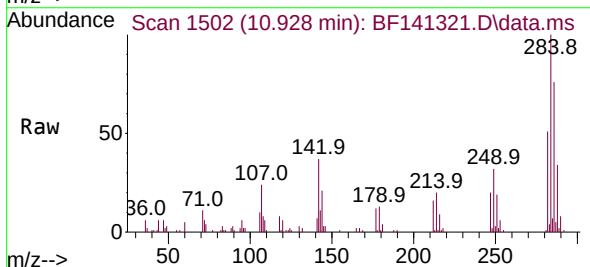
Tgt Ion:248 Resp: 27040
Ion Ratio Lower Upper
248 100
250 97.9 79.0 118.4
141 72.0 63.7 95.5

Manual Integrations
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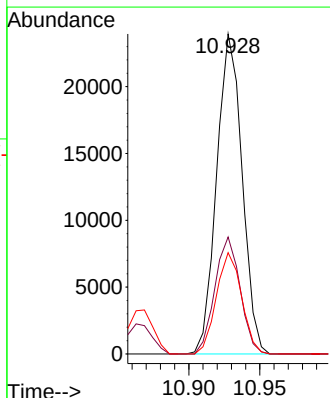
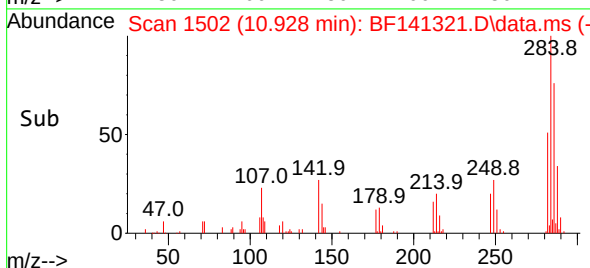
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

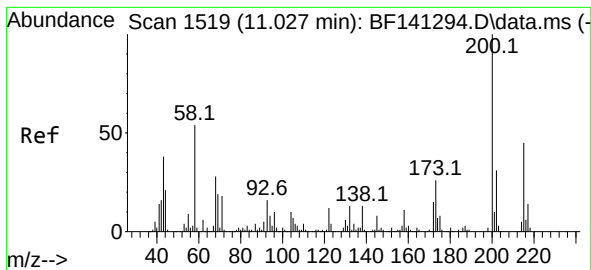


#68
Hexachlorobenzene
Concen: 4.348 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15



Tgt Ion:284 Resp: 29800
Ion Ratio Lower Upper
284 100
142 36.6 29.5 44.3
249 31.6 25.4 38.2





#69

Atrazine

Concen: 4.258 ng

RT: 11.016 min Scan# 1519

Delta R.T. -0.018 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

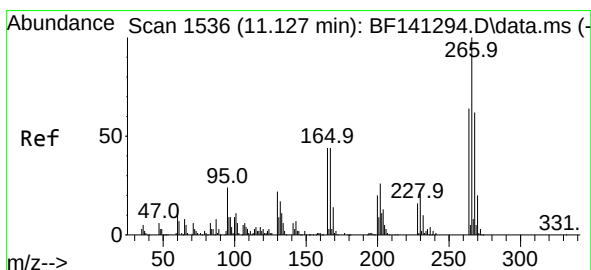
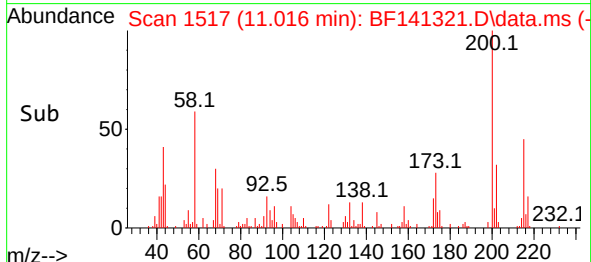
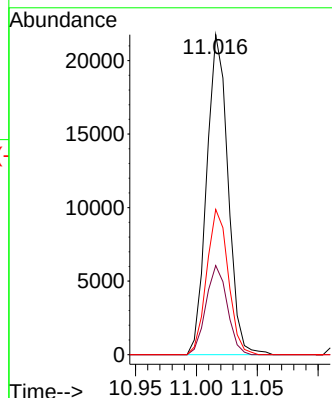
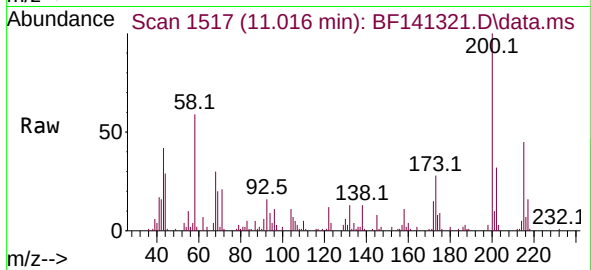
MDL-SOIL-03-QT1-2025

Tgt Ion:200 Resp: 26572
 Ion Ratio Lower Upper
 200 100
 173 27.9 5.9 45.9
 215 45.4 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#70

Pentachlorophenol

Concen: 3.863 ng

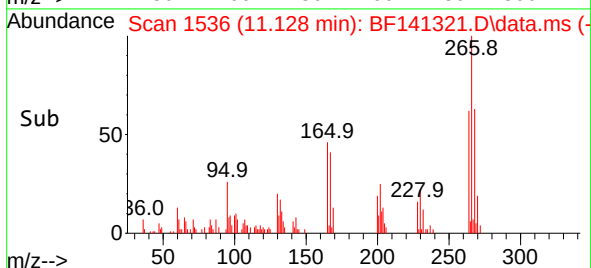
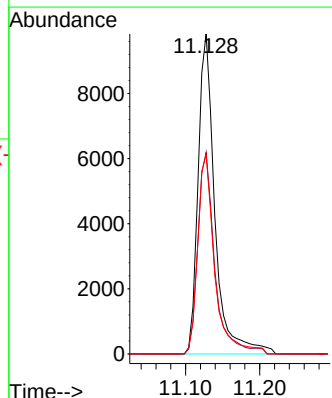
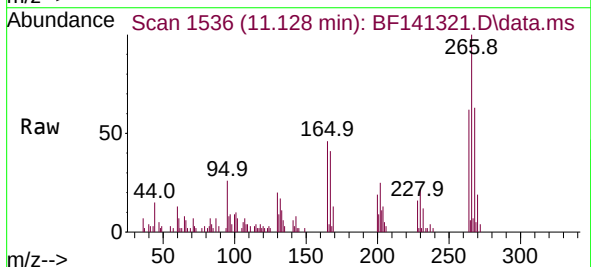
RT: 11.128 min Scan# 1536

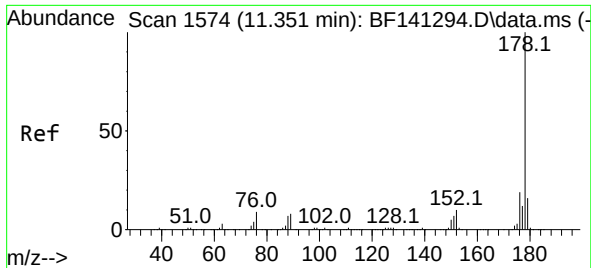
Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Tgt Ion:266 Resp: 15504
 Ion Ratio Lower Upper
 266 100
 268 62.9 49.9 74.9
 264 62.4 51.0 76.4





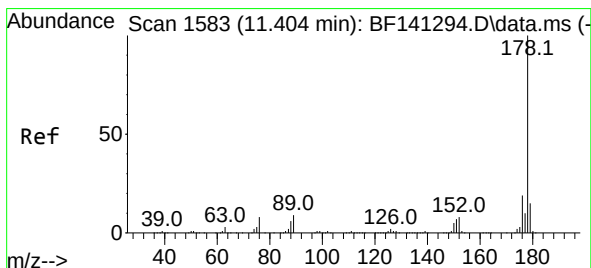
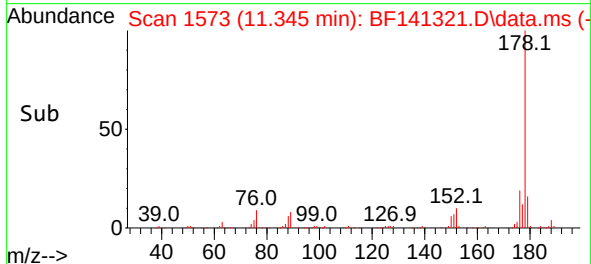
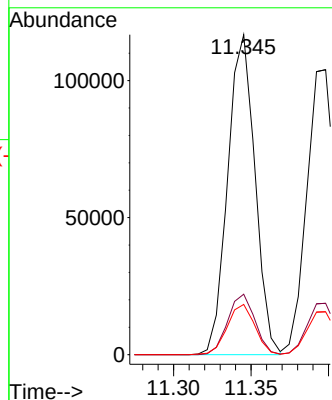
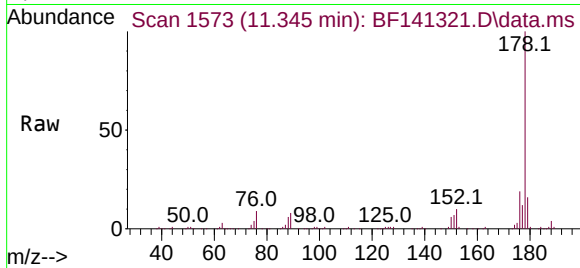
#71
Phenanthrene
Concen: 4.609 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion:178 Resp: 14299
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.7 12.5 18.7

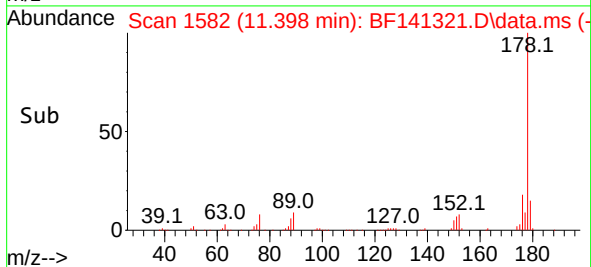
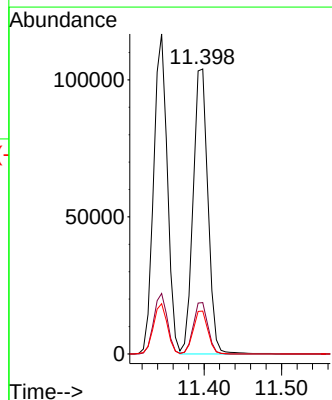
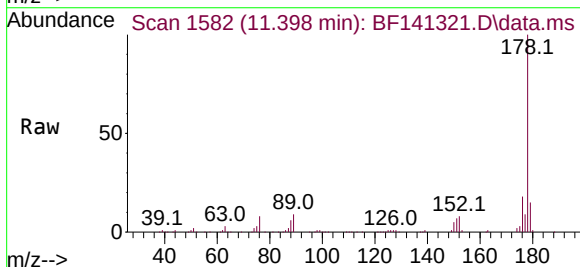
Manual Integrations
APPROVED

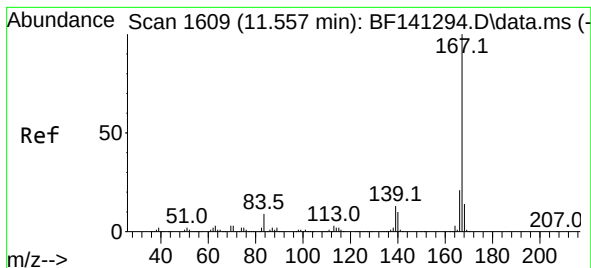
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 4.542 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:178 Resp: 138056
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.6
179 15.0 12.3 18.5





#73

Carbazole

Concen: 4.388 ng

RT: 11.551 min Scan# 1608

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

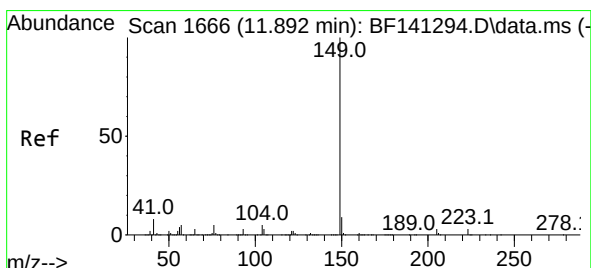
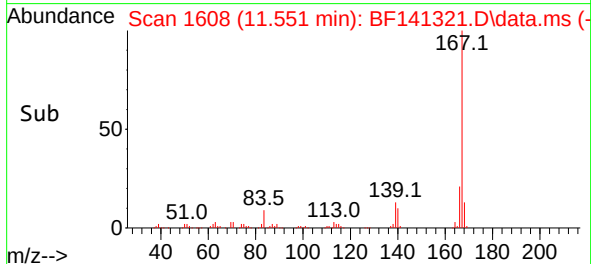
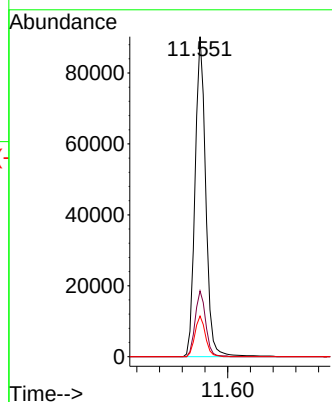
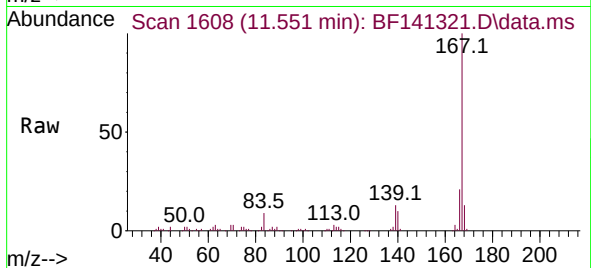
MDL-SOIL-03-QT1-2025

Tgt Ion:167	Resp: 118264
Ion Ratio	Lower Upper
167	100
166	20.6 17.0 25.6
139	12.7 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#74

Di-n-butylphthalate

Concen: 4.765 ng

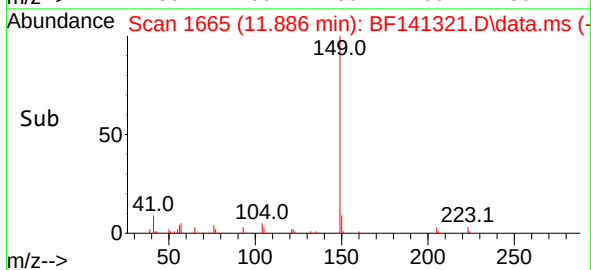
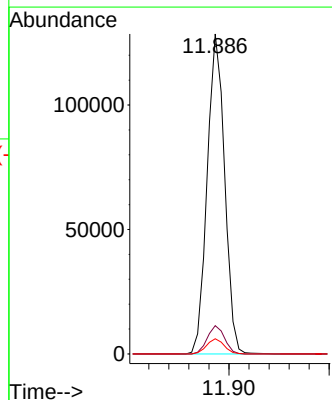
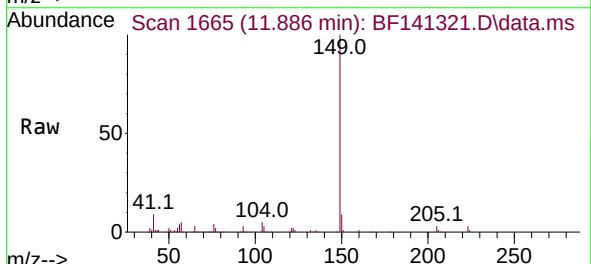
RT: 11.886 min Scan# 1665

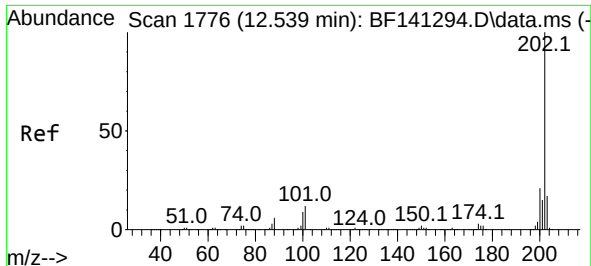
Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

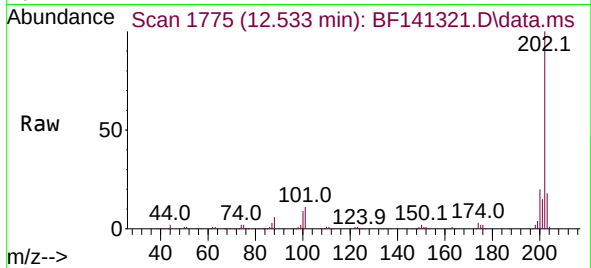
Tgt Ion:149	Resp: 155655
Ion Ratio	Lower Upper
149	100
150	8.9 7.4 11.2
104	4.8 3.9 5.9





#75
Fluoranthene
Concen: 4.683 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

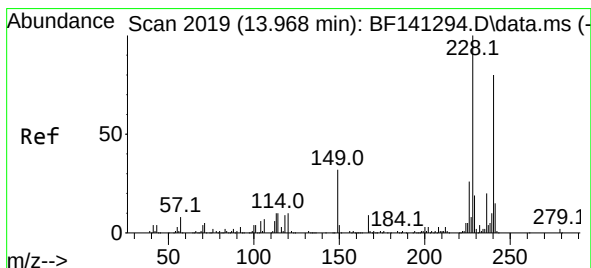
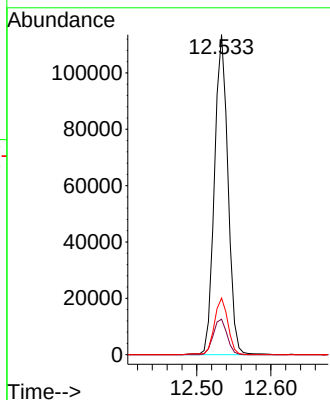
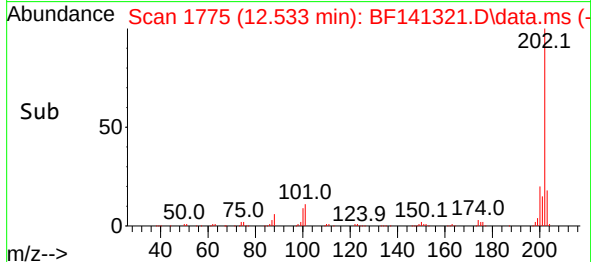
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion:202 Resp: 143458
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.7
203 17.7 0.0 37.5

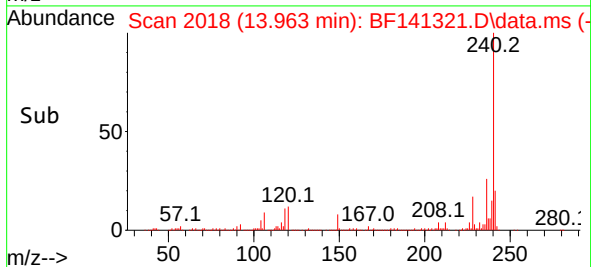
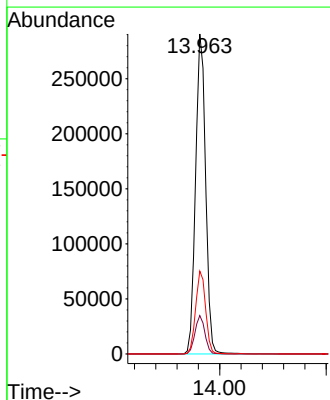
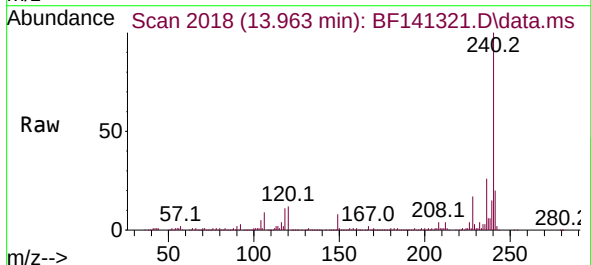
Manual Integrations
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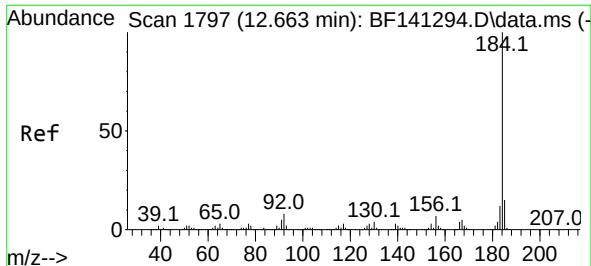
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

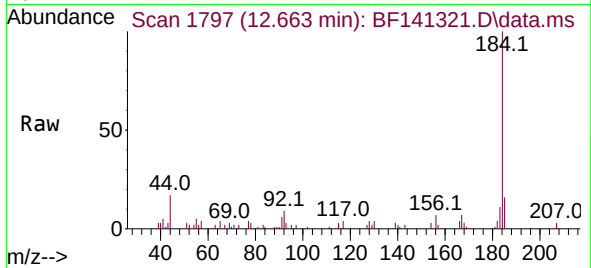
Tgt Ion:240 Resp: 381814
Ion Ratio Lower Upper
240 100
120 12.0 10.0 15.0
236 25.9 19.7 29.5





#77
Benzidine
Concen: 1.633 ng
RT: 12.663 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

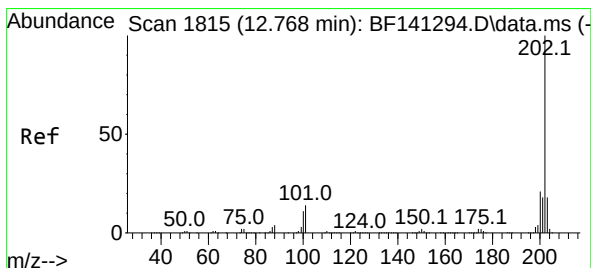
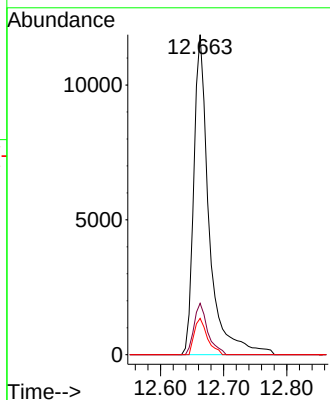
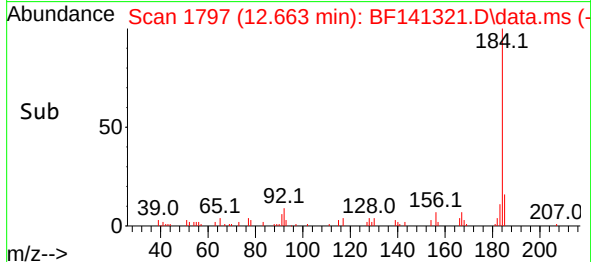
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



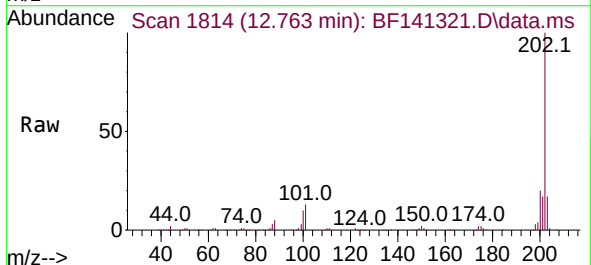
Tgt Ion:184 Resp: 1998
Ion Ratio Lower Upper
184 100
185 16.0 11.9 17.9
183 11.3 9.5 14.3

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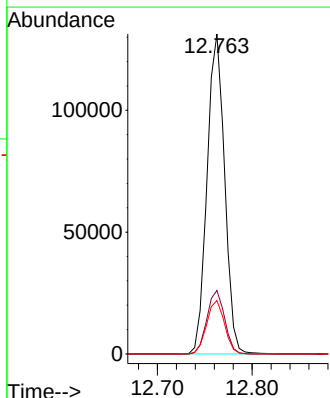
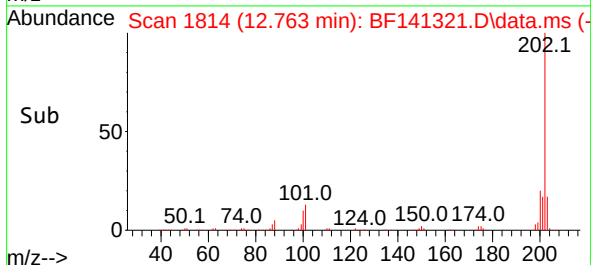
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

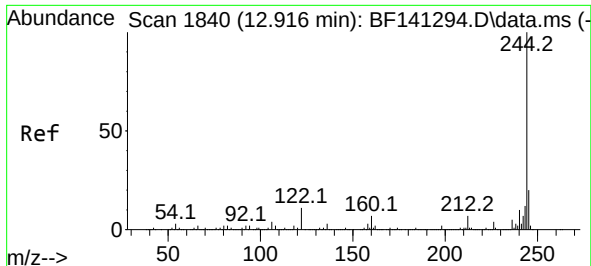


#78
Pyrene
Concen: 4.591 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15



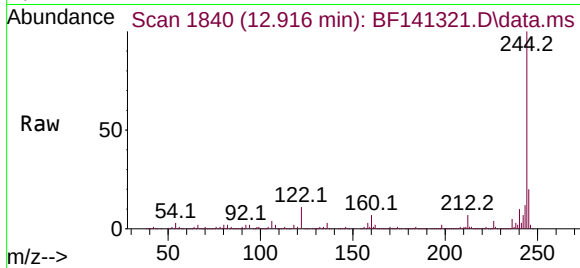
Tgt Ion:202 Resp: 168272
Ion Ratio Lower Upper
202 100
200 19.9 17.0 25.4
203 16.7 14.3 21.5





#79
 Terphenyl-d14
 Concen: 72.486 ng
 RT: 12.916 min Scan# 1840
 Delta R.T. -0.000 min
 Lab File: BF141321.D
 Acq: 31 Jan 2025 10:15

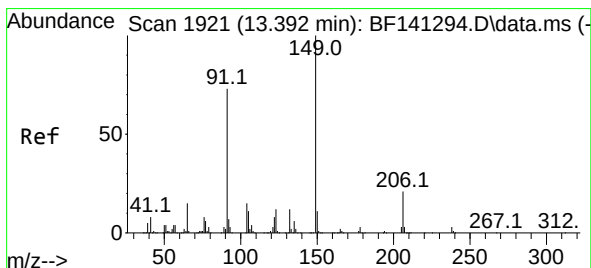
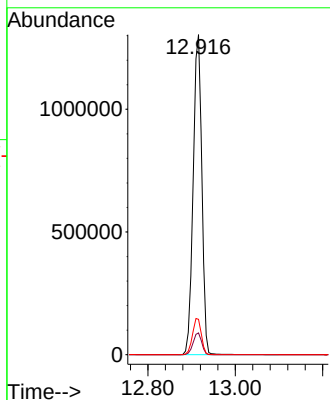
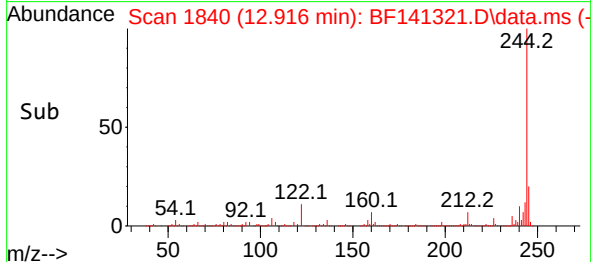
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2025



Tgt Ion:244 Resp: 1794600
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.1 8.8 13.2

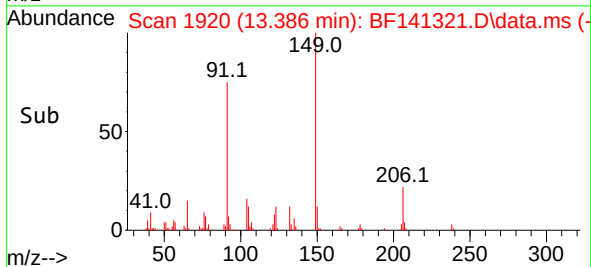
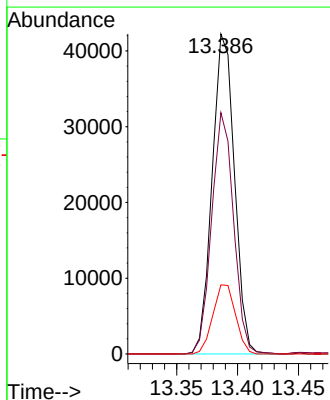
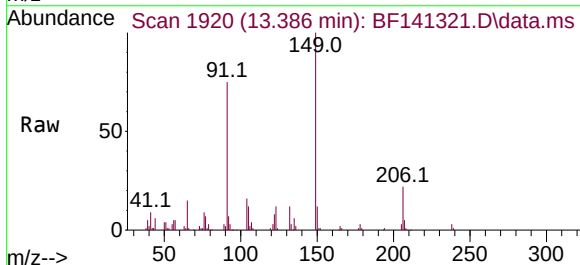
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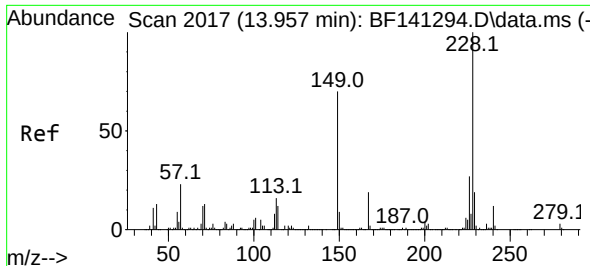
Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#80
 Butylbenzylphthalate
 Concen: 4.210 ng
 RT: 13.386 min Scan# 1920
 Delta R.T. -0.006 min
 Lab File: BF141321.D
 Acq: 31 Jan 2025 10:15

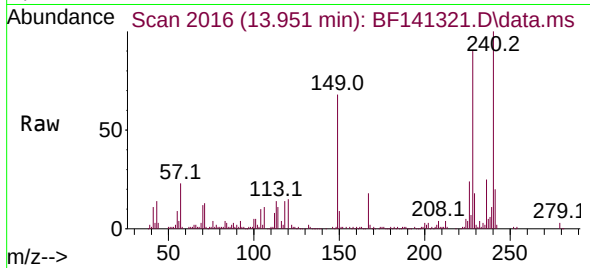
Tgt Ion:149 Resp: 53902
 Ion Ratio Lower Upper
 149 100
 91 75.4 58.6 87.8
 206 21.6 16.7 25.1





#81
Benzo(a)anthracene
Concen: 4.376 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

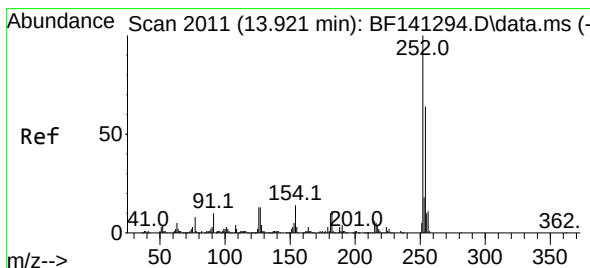
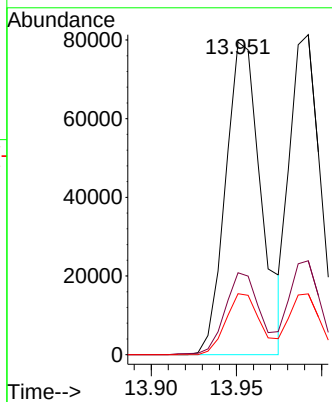
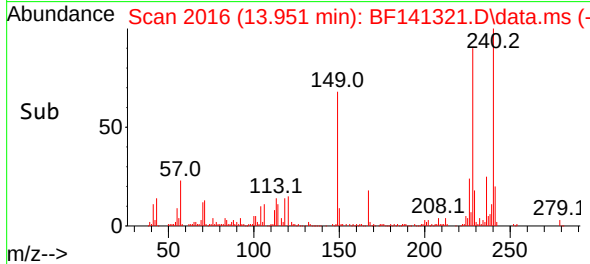
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion:228 Resp: 115289
Ion Ratio Lower Upper
228 100
226 26.2 21.4 32.2
229 19.5 15.5 23.3

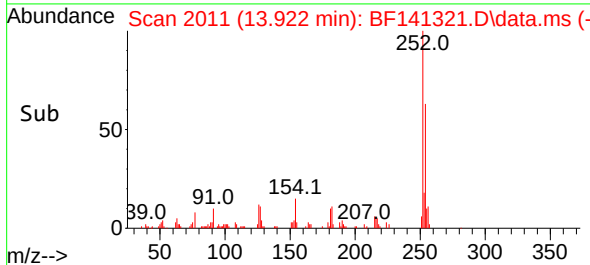
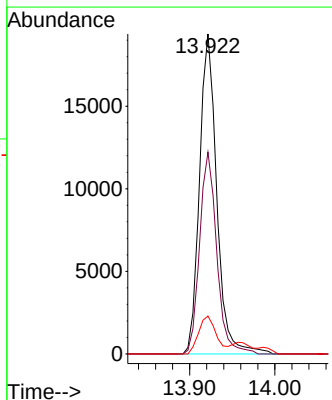
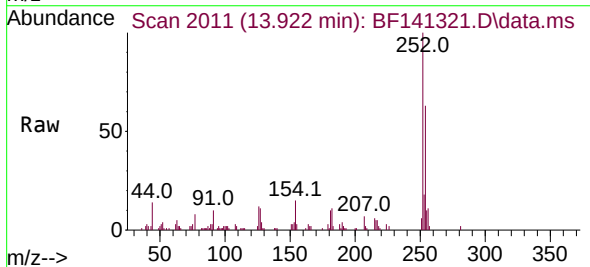
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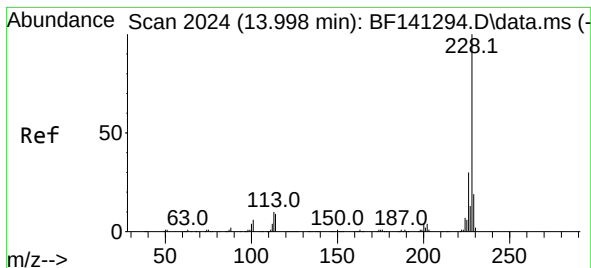
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#82
3,3'-Dichlorobenzidine
Concen: 3.256 ng
RT: 13.922 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:252 Resp: 27287
Ion Ratio Lower Upper
252 100
254 63.1 51.3 76.9
126 11.8 10.0 15.0





#83

Chrysene

Concen: 4.168 ng

RT: 13.992 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

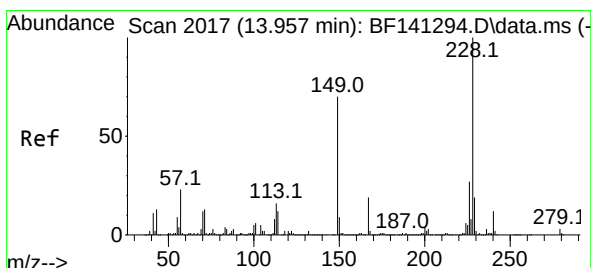
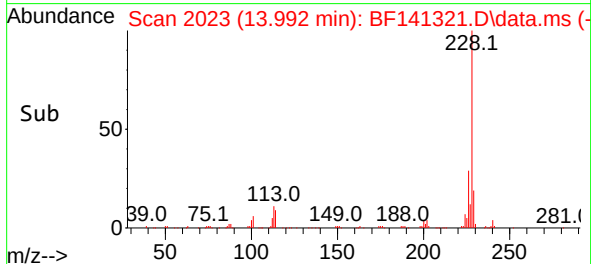
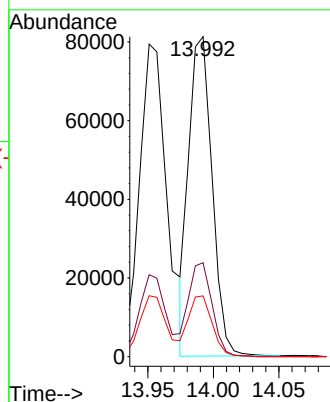
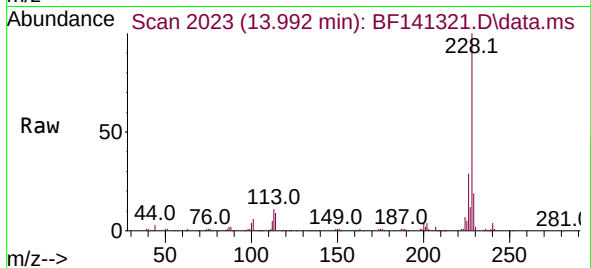
MDL-SOIL-03-QT1-2025

Tgt Ion:228 Resp: 10064
 Ion Ratio Lower Upper
 228 100
 226 29.3 24.1 36.1
 229 19.0 15.6 23.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.613 ng

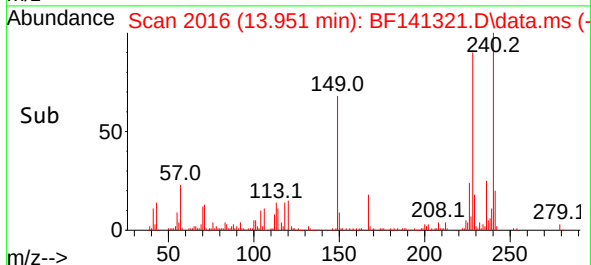
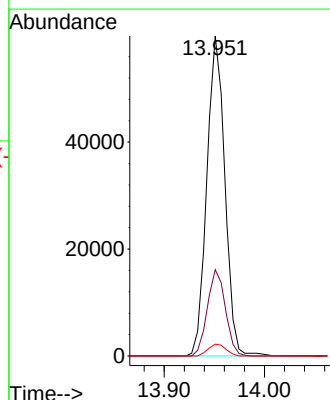
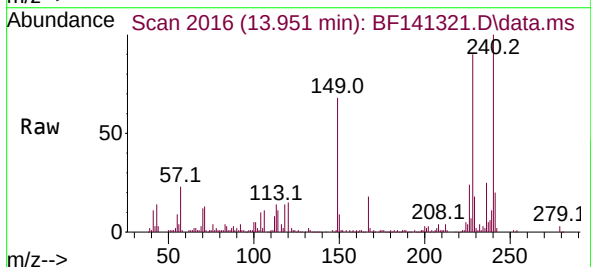
RT: 13.951 min Scan# 2016

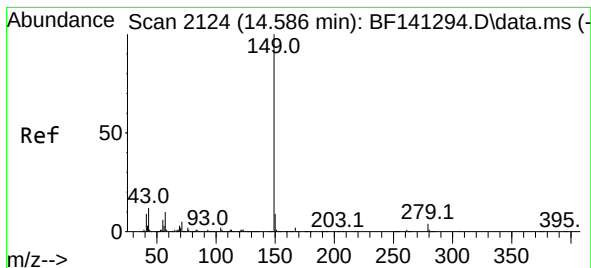
Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Tgt Ion:149 Resp: 74924
 Ion Ratio Lower Upper
 149 100
 167 26.9 21.8 32.8
 279 3.7 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 4.066 ng

RT: 14.574 min Scan# 2124

Delta R.T. -0.012 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

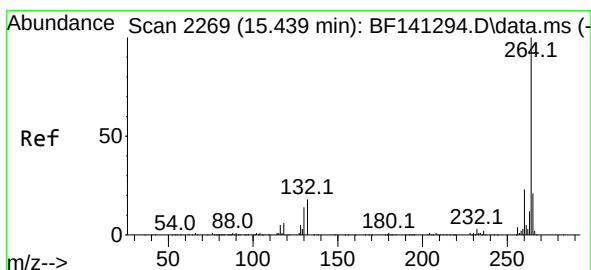
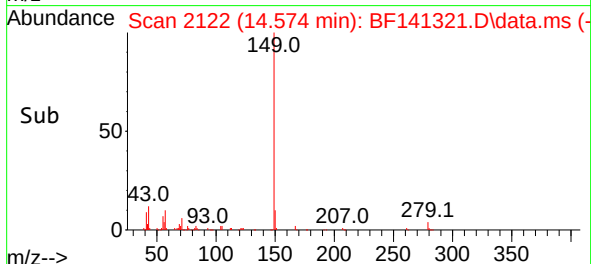
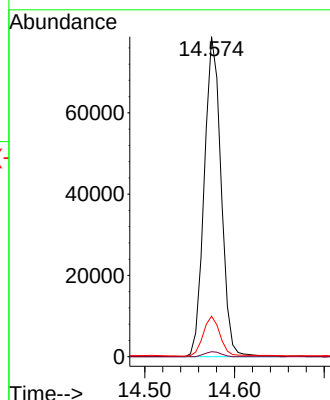
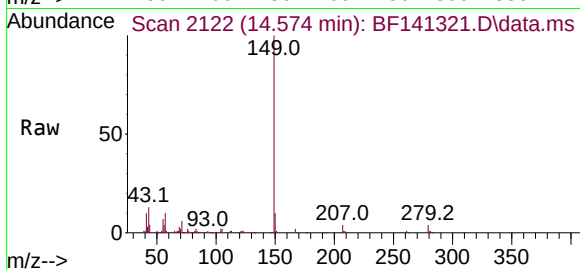
ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:149 Resp: 102574
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.3 1.9
 43 12.4 9.8 14.8

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#86

Perylene-d12

Concen: 20.000 ng

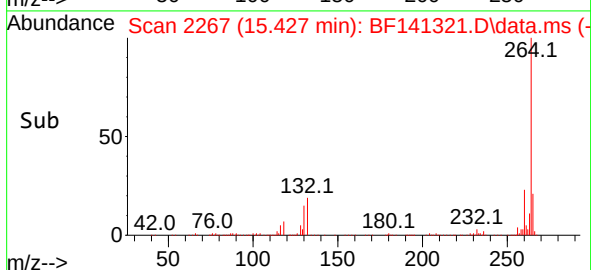
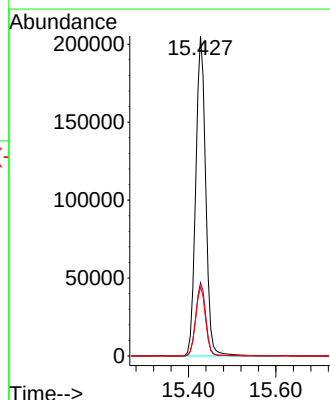
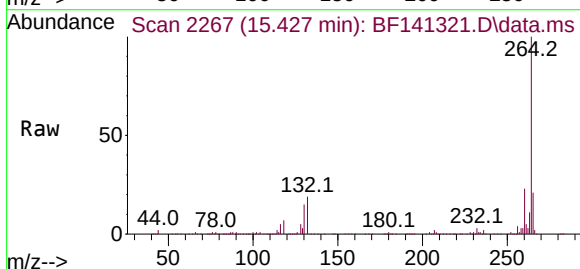
RT: 15.427 min Scan# 2267

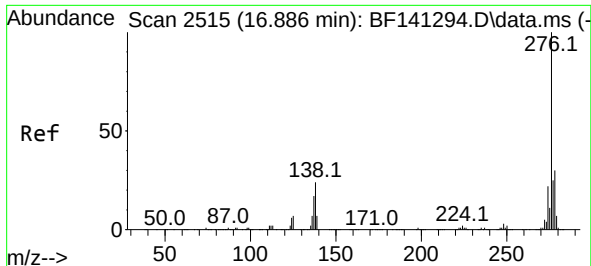
Delta R.T. -0.012 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

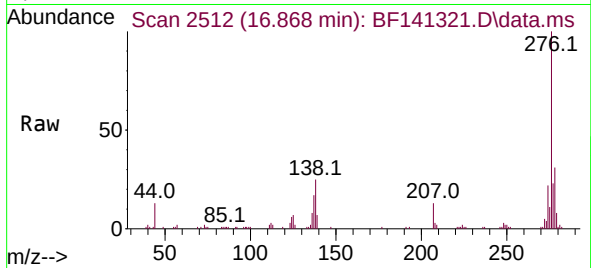
Tgt Ion:264 Resp: 325467
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.6 27.8
 265 21.5 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.653 ng
RT: 16.868 min Scan# 2195
Delta R.T. -0.029 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

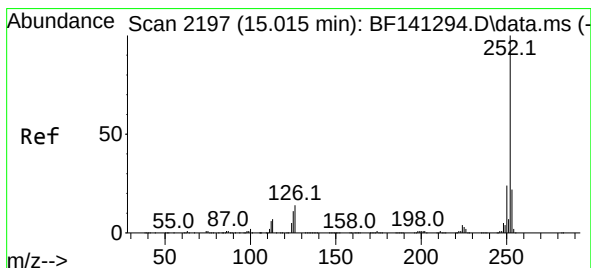
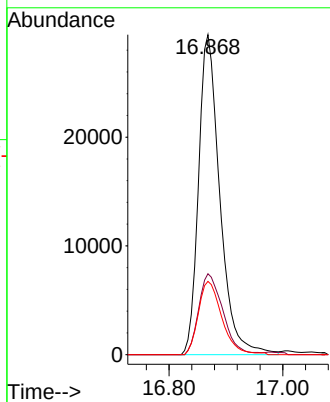
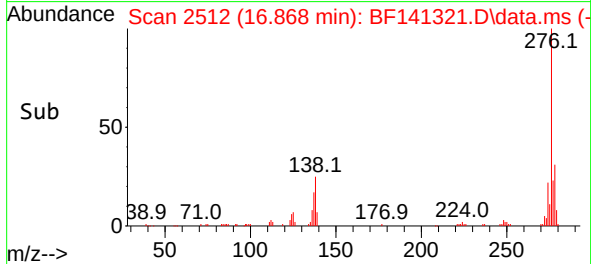
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



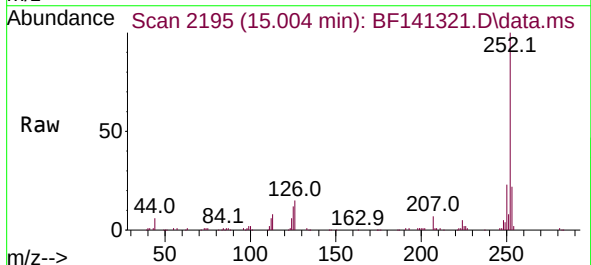
Tgt Ion:276 Resp: 7673
Ion Ratio Lower Upper
276 100
138 28.6 21.7 32.5
277 25.3 20.3 30.5

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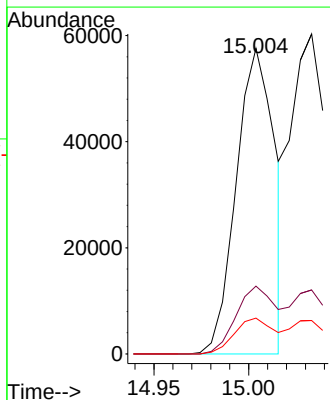
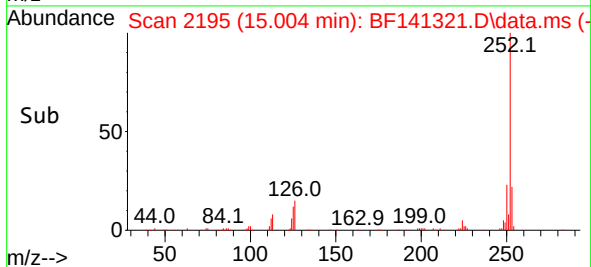
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

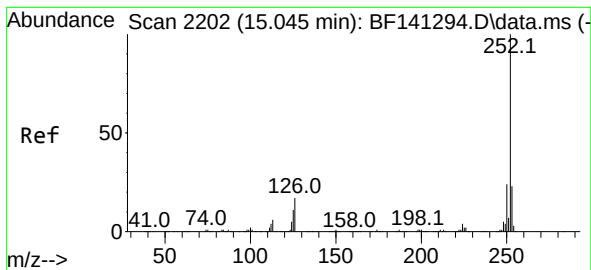


#88
Benzo(b)fluoranthene
Concen: 3.968 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15



Tgt Ion:252 Resp: 81244
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 11.7 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 4.899 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

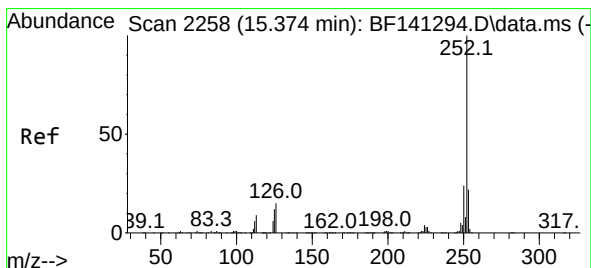
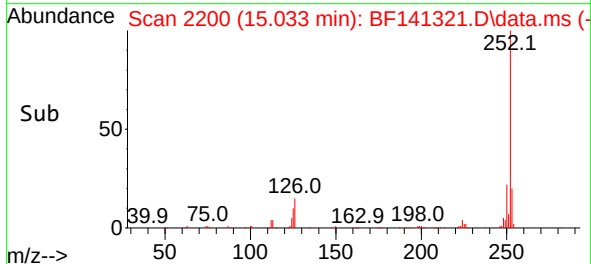
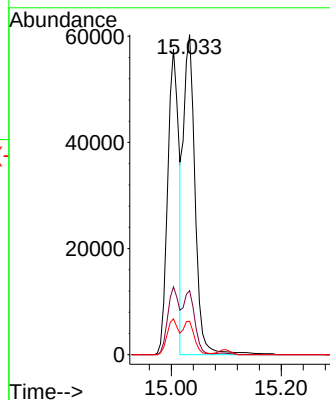
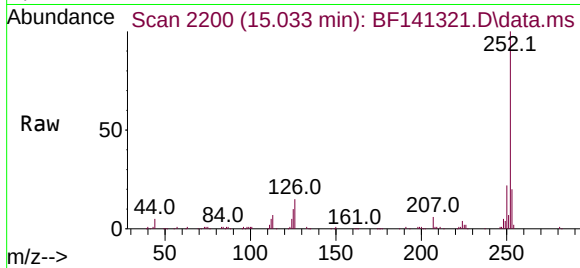
MDL-SOIL-03-QT1-2025

Tgt Ion:	252	Resp:	8884
Ion Ratio	Lower	Upper	
252	100		
253	20.0	17.6	26.4
125	10.4	8.4	12.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 4.288 ng

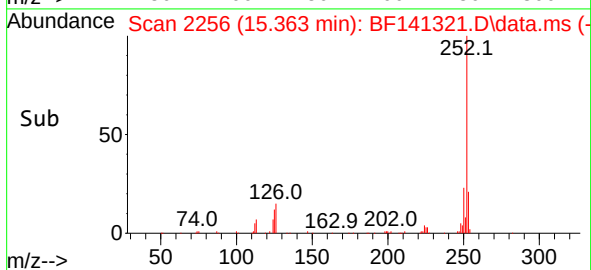
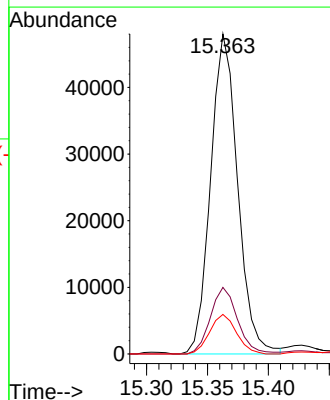
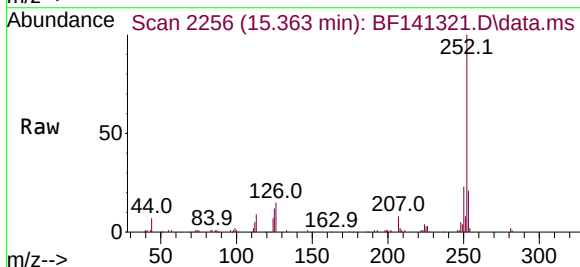
RT: 15.363 min Scan# 2256

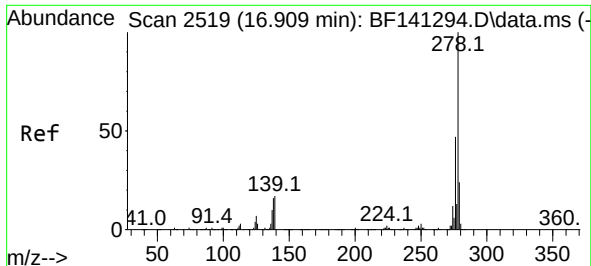
Delta R.T. -0.018 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Tgt Ion:	252	Resp:	74178
Ion Ratio	Lower	Upper	
252	100		
253	20.8	17.2	25.8
125	12.3	9.4	14.2





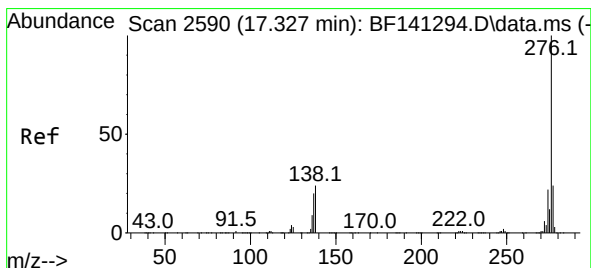
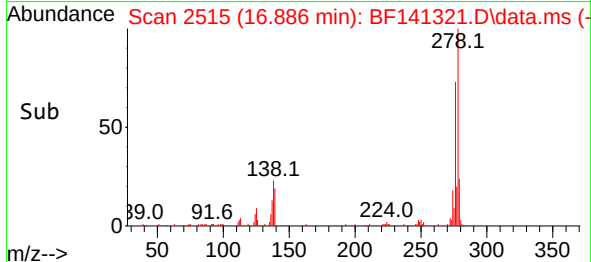
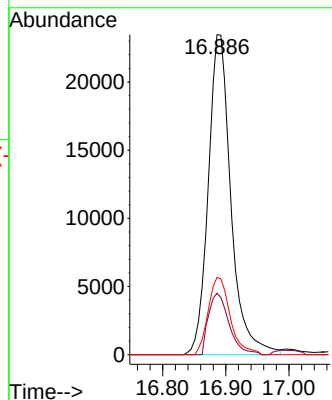
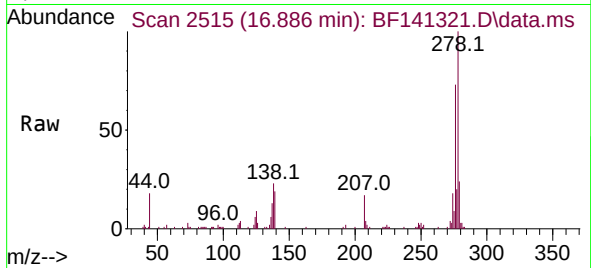
#91
Dibenzo(a,h)anthracene
Concen: 3.465 ng
RT: 16.886 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion:278 Resp: 5855
Ion Ratio Lower Upper
278 100
139 19.2 13.9 20.9
279 24.1 18.8 28.2

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 3.506 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:276 Resp: 61611
Ion Ratio Lower Upper
276 100
277 23.6 19.2 28.8
138 22.6 19.0 28.4

