

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
 Data File : BF141308.D
 Acq On : 30 Jan 2025 12:47
 Operator : RC/JU
 Sample : Q1168-01
 Misc : LOD-MDL-SOIL 4PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

Quant Time: Jan 30 13:08:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	146824	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	598953	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	325831	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	553646	20.000	ng	0.00
76) Chrysene-d12	13.963	240	332090	20.000	ng	-0.01
86) Perylene-d12	15.427	264	314573	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	1024717	107.145	ng	0.00
7) Phenol-d6	6.428	99	1350349	110.990	ng	-0.01
23) Nitrobenzene-d5	7.363	82	912872	80.346	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	328849	110.089	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1591039	75.159	ng	0.00
79) Terphenyl-d14	12.910	244	1605578	74.561	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	16910	4.020	ng	97
3) Pyridine	3.269	79	35933	3.546	ng	98
4) n-Nitrosodimethylamine	3.157	42	22726	3.926	ng	# 99
6) Aniline	6.457	93	53903	5.234	ng	95
8) 2-Chlorophenol	6.581	128	44102	4.302	ng	83
9) Benzaldehyde	6.345	77	37249	5.286	ng	98
10) Phenol	6.440	94	54103	4.195	ng	# 63
11) bis(2-Chloroethyl)ether	6.534	93	44304	4.480	ng	97
12) 1,3-Dichlorobenzene	6.740	146	47215	4.177	ng	98
13) 1,4-Dichlorobenzene	6.816	146	47507	4.184	ng	99
14) 1,2-Dichlorobenzene	6.969	146	45403	4.270	ng	99
15) Benzyl Alcohol	6.939	79	46868	5.637	ng	91
16) 2,2'-oxybis(1-Chloropr...	7.069	45	78194	4.547	ng	100
17) 2-Methylphenol	7.045	107	32650	3.919	ng	99
18) Hexachloroethane	7.310	117	16957	4.048	ng	97
19) n-Nitroso-di-n-propyla...	7.204	70	31341	4.335	ng	97
20) 3+4-Methylphenols	7.198	107	42162	4.122	ng	# 78
22) Acetophenone	7.204	105	65906	4.629	ng	97
24) Nitrobenzene	7.375	77	50329	4.274	ng	98
25) Isophorone	7.610	82	84413	4.298	ng	97
26) 2-Nitrophenol	7.692	139	21443	3.862	ng	99
27) 2,4-Dimethylphenol	7.734	122	17203m	2.434	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	54113	4.319	ng	99
29) 2,4-Dichlorophenol	7.934	162	34688	4.009	ng	98
30) 1,2,4-Trichlorobenzene	8.022	180	41512	4.201	ng	96
31) Naphthalene	8.098	128	134289	4.244	ng	99
32) Benzoic acid	7.792	122	15122m	2.327	ng	
33) 4-Chloroaniline	8.151	127	48196	4.492	ng	98
34) Hexachlorobutadiene	8.222	225	23153	3.995	ng	99
35) Caprolactam	8.475	113	10864	3.844	ng	96
36) 4-Chloro-3-methylphenol	8.622	107	41538	4.475	ng	99
37) 2-Methylnaphthalene	8.792	142	89372	4.444	ng	97
38) 1-Methylnaphthalene	8.886	142	82697	4.186	ng	98
40) 1,2,4,5-Tetrachloroben...	8.957	216	40379	4.356	ng	99
41) Hexachlorocyclopentadiene	8.945	237	6648	2.428	ng	93
43) 2,4,6-Trichlorophenol	9.069	196	24027	3.960	ng	95

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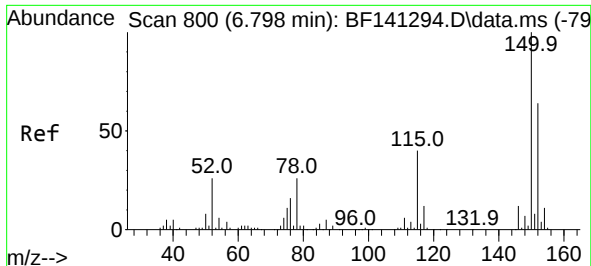
Quant Time: Jan 30 13:08:10 2025
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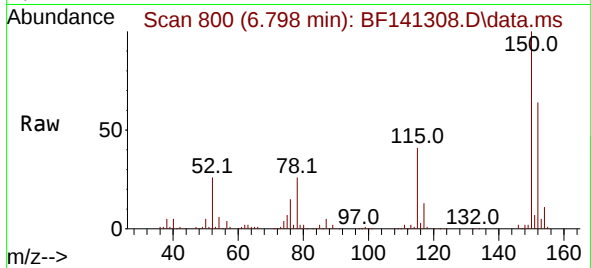
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	9.110	196	25935	3.927	ng	98	01/30/2025
46) 1,1'-Biphenyl	9.257	154	118314	4.656	ng	98	Supervised By :mohammad
47) 2-Chloronaphthalene	9.281	162	82383	4.159	ng	98	ahmed
48) 2-Nitroaniline	9.375	65	23303	3.740	ng	99	
49) Acenaphthylene	9.692	152	129126	4.657	ng	99	
50) Dimethylphthalate	9.551	163	95120	4.322	ng	100	
51) 2,6-Dinitrotoluene	9.616	165	19342	3.785	ng	96	01/31/2025
52) Acenaphthene	9.863	154	86874	4.386	ng	99	
53) 3-Nitroaniline	9.781	138	20955	4.184	ng	96	
54) 2,4-Dinitrophenol	9.892	184	3704	1.559	ng	# 84	
55) Dibenzofuran	10.039	168	117946	4.449	ng	98	
56) 4-Nitrophenol	9.945	139	13346	3.644	ng	97	
57) 2,4-Dinitrotoluene	10.016	165	27089	4.095	ng	96	
58) Fluorene	10.380	166	92022	4.475	ng	99	
59) 2,3,4,6-Tetrachlorophenol	10.157	232	22046	4.244	ng	97	
60) Diethylphthalate	10.257	149	91687	4.297	ng	99	
61) 4-Chlorophenyl-phenyle...	10.375	204	44399	4.420	ng	99	
62) 4-Nitroaniline	10.386	138	17390	3.532	ng	97	
63) Azobenzene	10.533	77	91301	4.275	ng	99	
65) 4,6-Dinitro-2-methylph...	10.422	198	9160	2.797	ng	95	
66) n-Nitrosodiphenylamine	10.492	169	76493	4.272	ng	98	
67) 4-Bromophenyl-phenylether	10.869	248	25051	4.042	ng	97	
68) Hexachlorobenzene	10.927	284	27355	4.161	ng	98	
69) Atrazine	11.016	200	24529	4.097	ng	96	
70) Pentachlorophenol	11.127	266	14356	3.729	ng	97	
71) Phenanthrene	11.345	178	138571	4.656	ng	99	
72) Anthracene	11.392	178	130372	4.471	ng	99	
73) Carbazole	11.551	167	111188	4.300	ng	99	
74) Di-n-butylphthalate	11.886	149	141281	4.509	ng	98	
75) Fluoranthene	12.533	202	130359	4.436	ng	98	
77) Benzidine	12.663	184	22359	2.100	ng	98	
78) Pyrene	12.763	202	146932	4.609	ng	99	
80) Butylbenzylphthalate	13.386	149	43813	3.934	ng	98	
81) Benzo(a)anthracene	13.951	228	94590	4.128	ng	100	
82) 3,3'-Dichlorobenzidine	13.921	252	25741	3.532	ng	95	
83) Chrysene	13.986	228	91066	4.336	ng	98	
84) Bis(2-ethylhexyl)phtha...	13.951	149	58188	4.119	ng	99	
85) Di-n-octyl phthalate	14.574	149	79579	3.627	ng	99	
87) Indeno(1,2,3-cd)pyrene	16.862	276	77715	3.828	ng	99	
88) Benzo(b)fluoranthene	15.004	252	79734	4.030	ng	99	
89) Benzo(k)fluoranthene	15.027	252	77050	4.395	ng	98	
90) Benzo(a)pyrene	15.362	252	70542	4.219	ng	99	
91) Dibenzo(a,h)anthracene	16.886	278	57825	3.540	ng	96	
92) Benzo(g,h,i)perylene	17.298	276	60803	3.580	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: BF141308.D
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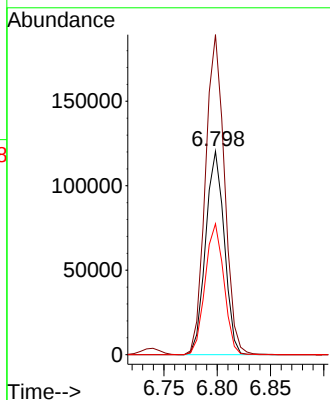
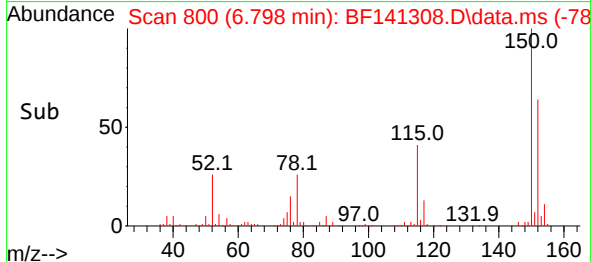
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:152 Resp: 146824
Ion Ratio Lower Upper
152 100
150 157.3 125.9 188.9
115 64.3 49.7 74.5

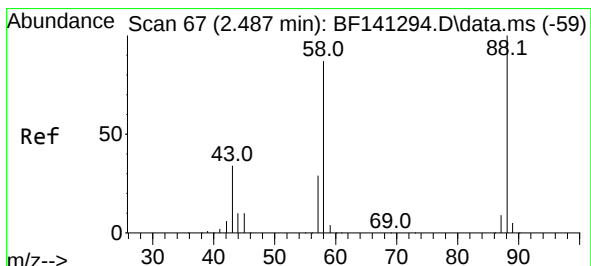
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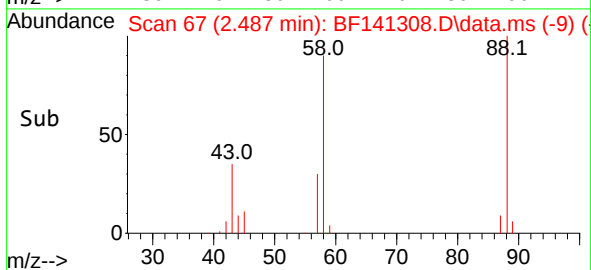
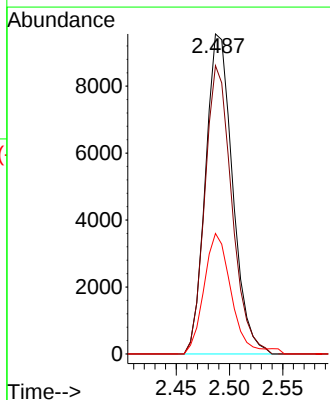
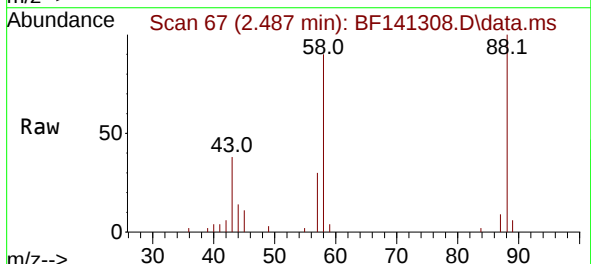
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ahmed

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#2
1,4-Dioxane
Concen: 4.020 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

Tgt Ion: 88 Resp: 16910
Ion Ratio Lower Upper
88 100
58 89.5 70.2 105.4
43 38.1 27.6 41.4





#3

Pyridine

Concen: 3.546 ng

RT: 3.269 min Scan# 20

Delta R.T. 0.041 min

Lab File: BF141308.D

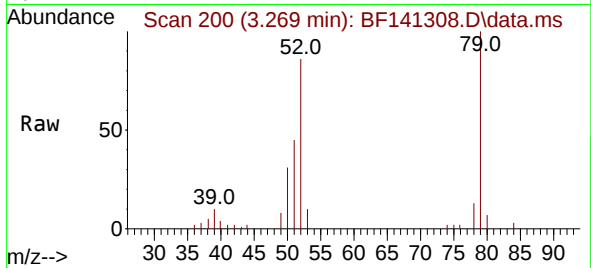
Acq: 30 Jan 2025 12:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 79 Resp: 3593

Ion Ratio Lower Upper

79 100

52 86.3 70.3 105.5

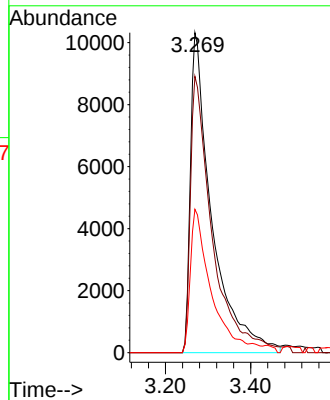
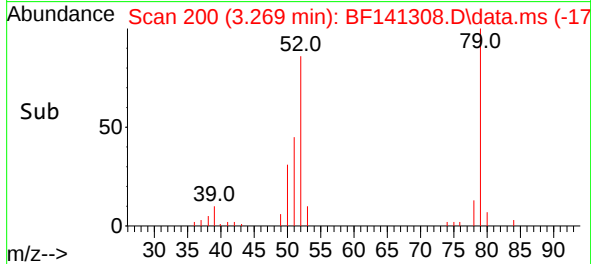
51 44.8 34.3 51.5

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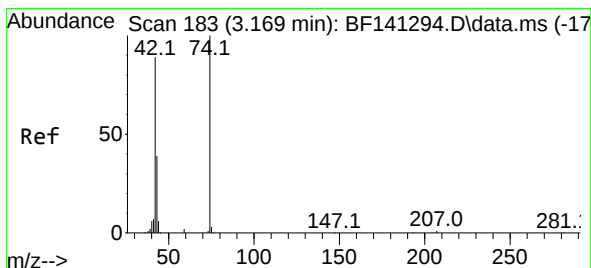
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01/31/2025



#4

n-Nitrosodimethylamine

Concen: 3.926 ng

RT: 3.157 min Scan# 181

Delta R.T. -0.041 min

Lab File: BF141308.D

Acq: 30 Jan 2025 12:47

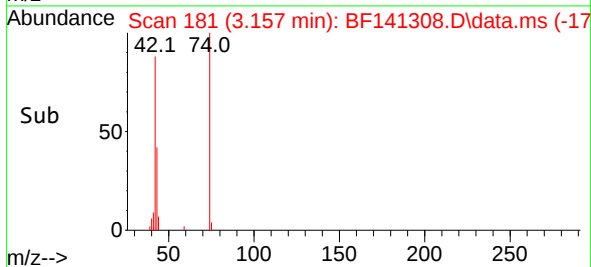
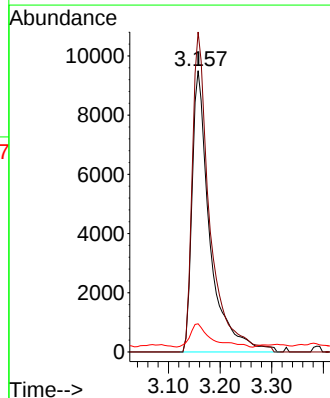
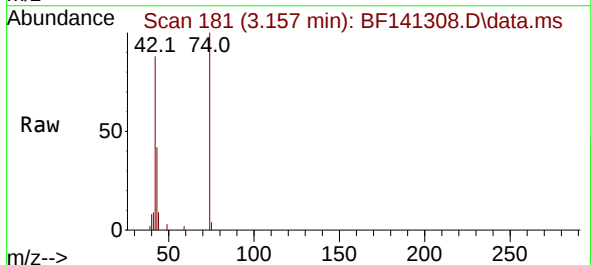
Tgt Ion: 42 Resp: 22726

Ion Ratio Lower Upper

42 100

74 113.8 90.3 135.5

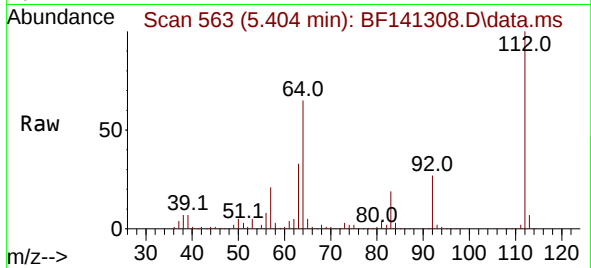
44 10.0 5.7 8.5#





#5
2-Fluorophenol
Concen: 107.145 ng
RT: 5.404 min Scan# 513
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

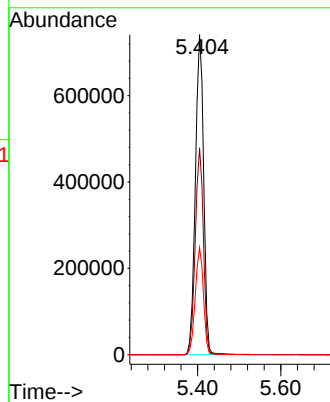
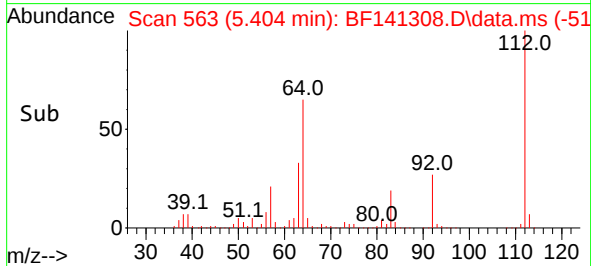
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:112 Resp: 102471
Ion Ratio Lower Upper
112 100
64 64.6 49.8 74.8
63 33.4 26.1 39.1

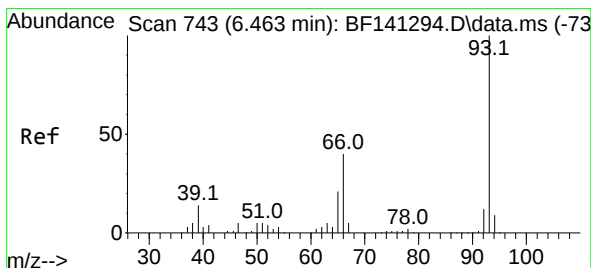
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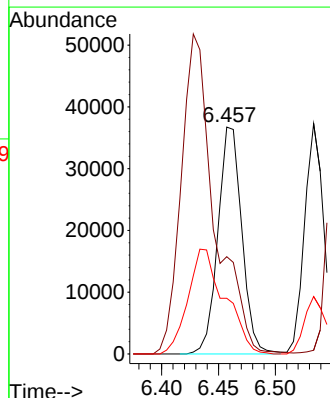
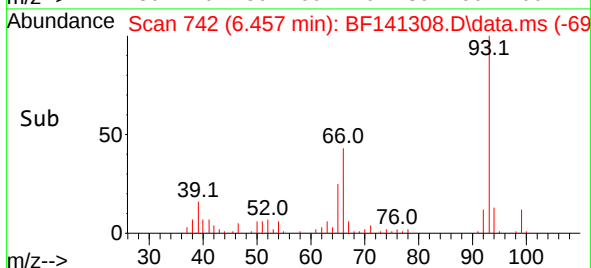
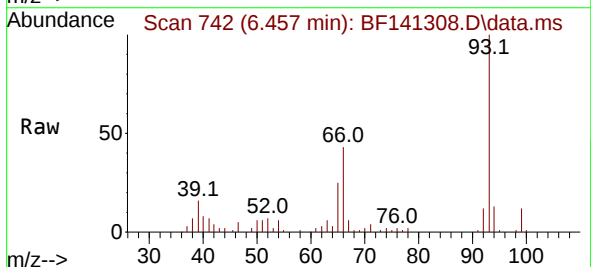
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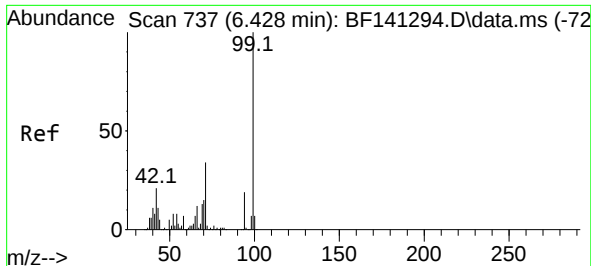
01/31/2025



#6
Aniline
Concen: 5.234 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

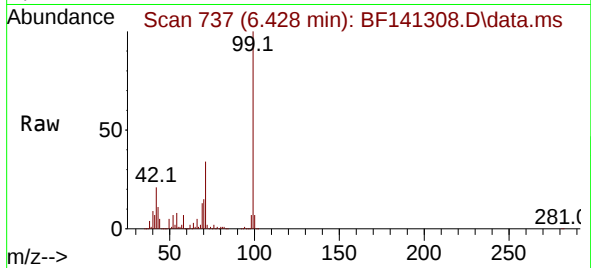
Tgt Ion: 93 Resp: 53903
Ion Ratio Lower Upper
93 100
66 42.9 32.5 48.7
65 24.5 17.0 25.6





#7
Phenol-d6
Concen: 110.990 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

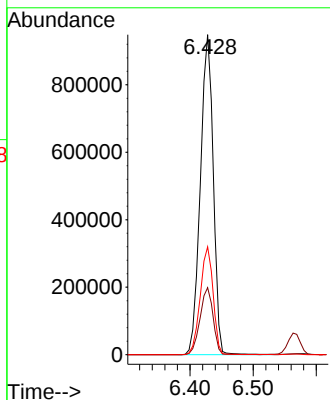
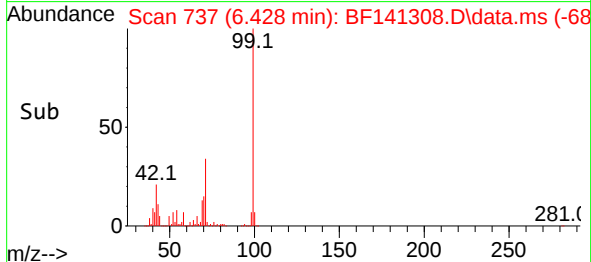
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 99 Resp: 1350349
Ion Ratio Lower Upper
99 100
42 20.9 17.1 25.7
71 33.7 26.9 40.3

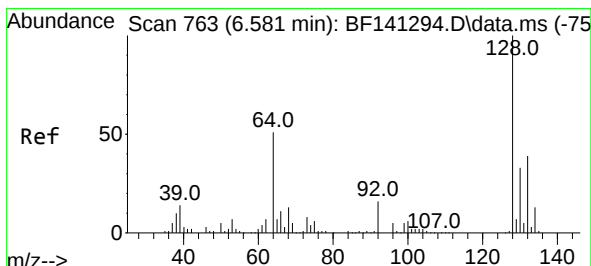
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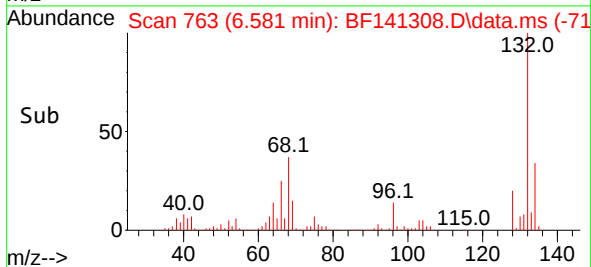
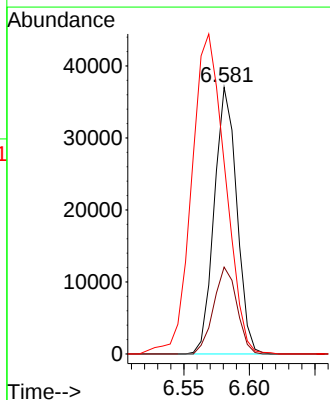
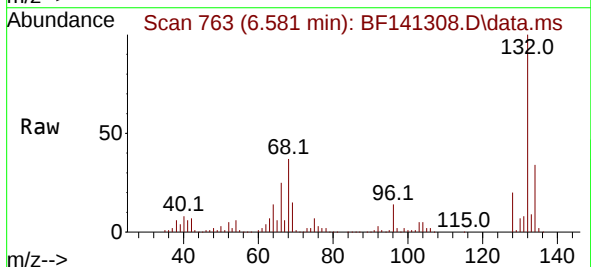
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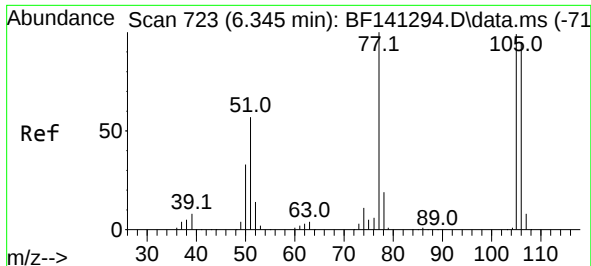
01/31/2025



#8
2-Chlorophenol
Concen: 4.302 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

Tgt Ion:128 Resp: 44102
Ion Ratio Lower Upper
128 100
130 32.6 12.5 52.5
64 71.8 32.9 72.9





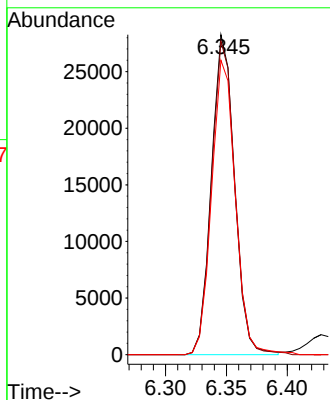
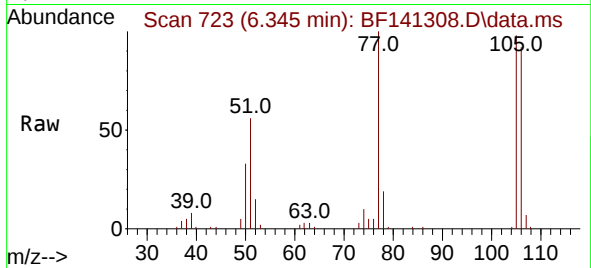
#9
Benzaldehyde
Concen: 5.286 ng
RT: 6.345 min Scan# 723
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion: 77 Resp: 37249
Ion Ratio Lower Upper
77 100
105 97.9 79.4 119.4
106 92.0 74.6 114.6

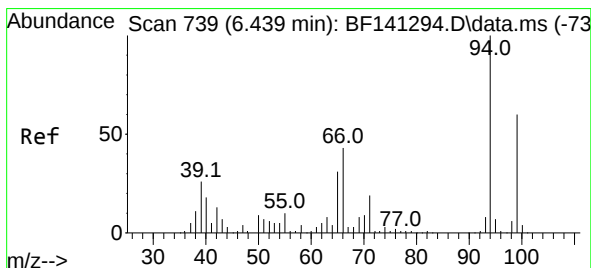
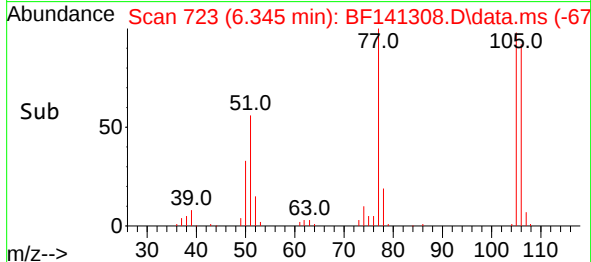
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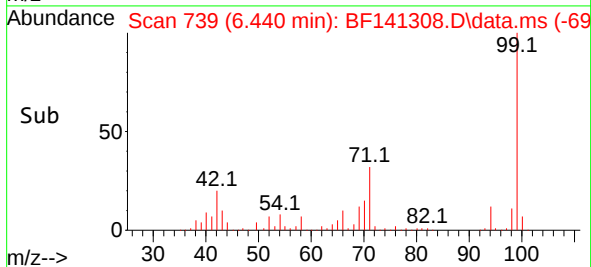
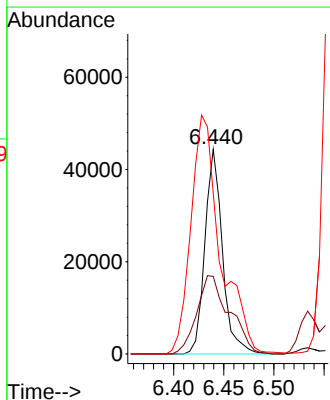
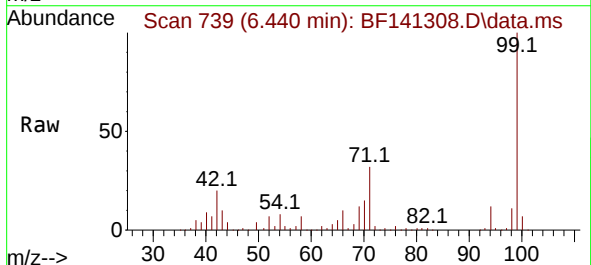
01/30/2025
Supervised By :mohammad
ahmed

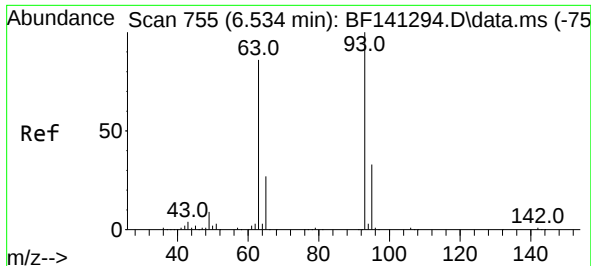
01/31/2025



#10
Phenol
Concen: 4.195 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

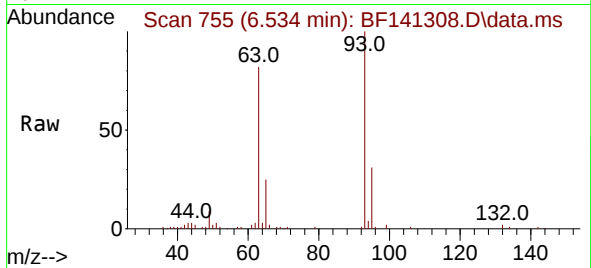
Tgt Ion: 94 Resp: 54103
Ion Ratio Lower Upper
94 100
65 37.9 10.8 50.8
66 78.5 23.3 63.3#





#11
bis(2-Chloroethyl)ether
Concen: 4.480 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

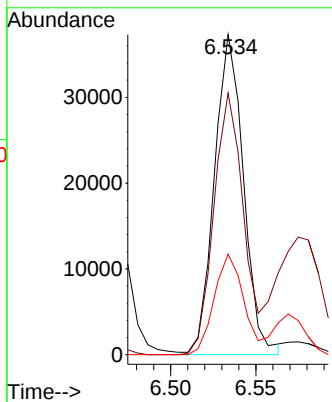
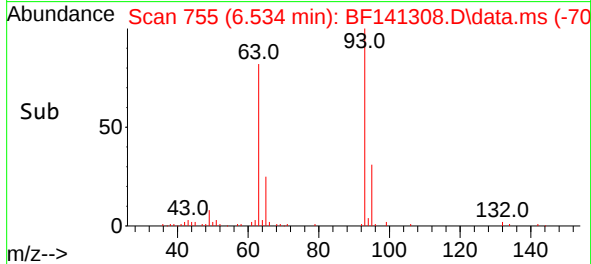
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 93 Resp: 44304
Ion Ratio Lower Upper
93 100
63 81.7 65.0 105.0
95 31.4 12.4 52.4

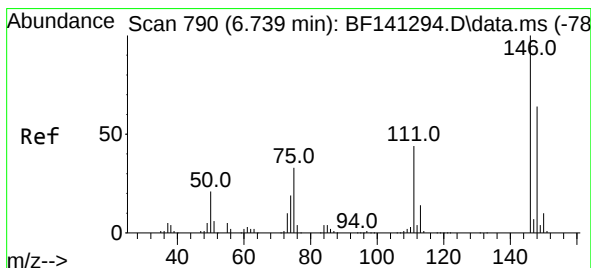
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Supervised By :mohammad ahmed 01/31/2025

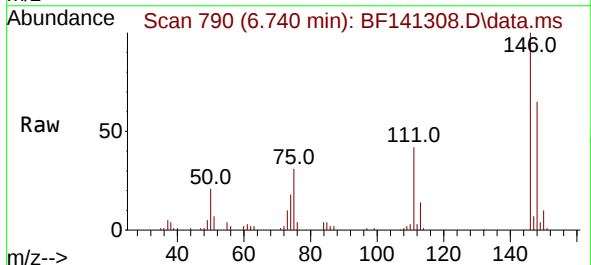


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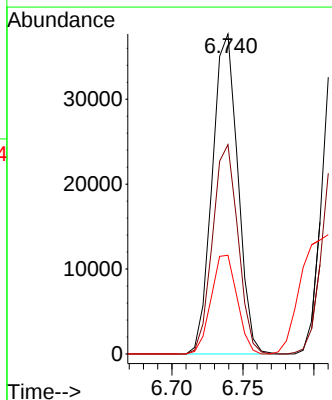
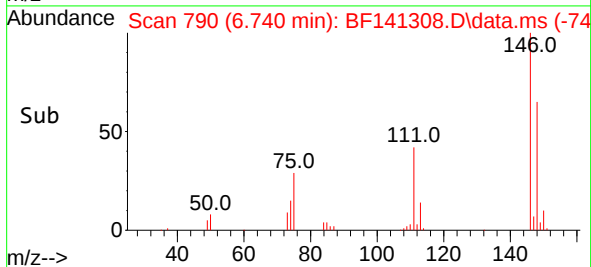
01/31/2025



#12
1,3-Dichlorobenzene
Concen: 4.177 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47



Tgt Ion:146 Resp: 47215
Ion Ratio Lower Upper
146 100
148 65.4 51.2 76.8
75 30.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 4.184 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141308.D

Acq: 30 Jan 2025 12:47

Instrument :

BNA_F

ClientSampleId :

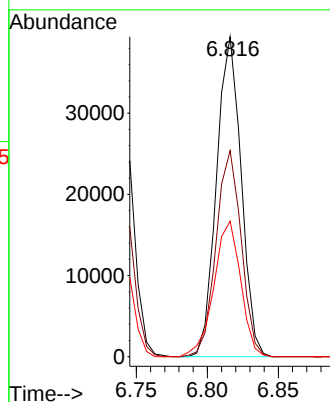
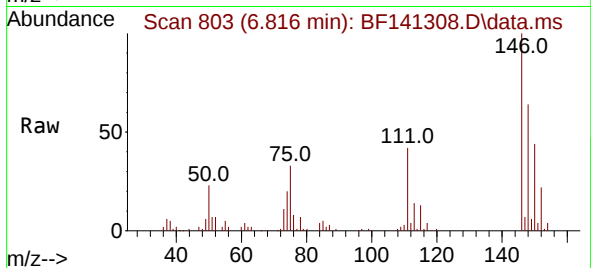
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:146	Resp:	4750
Ion Ratio	Lower	Upper
146	100	
148	64.4	51.2 76.8
111	42.3	35.0 52.4

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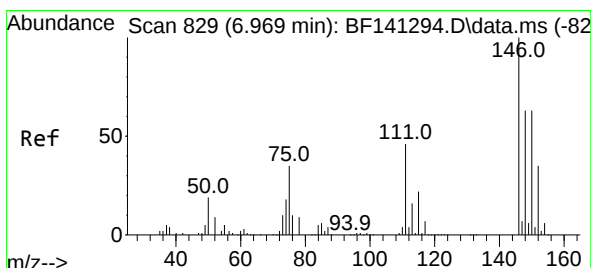
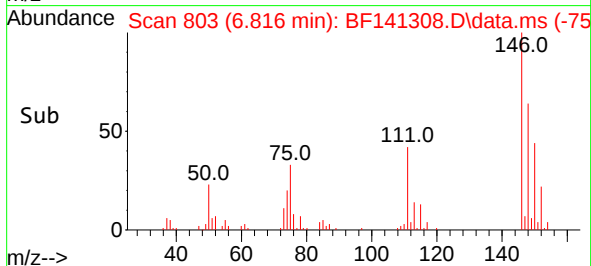
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#14

1,2-Dichlorobenzene

Concen: 4.270 ng

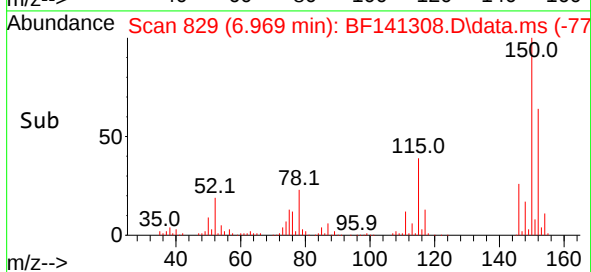
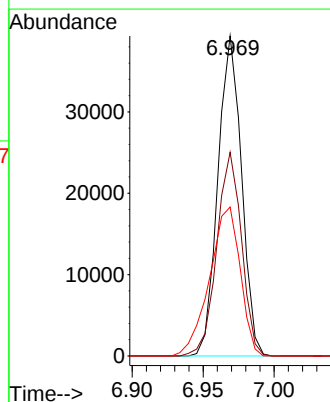
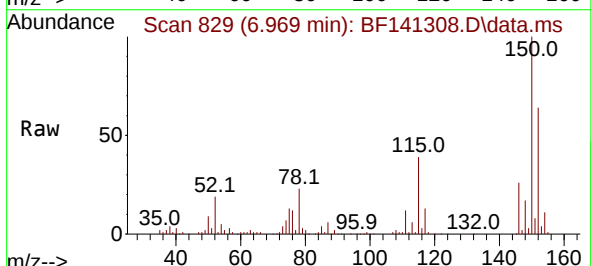
RT: 6.969 min Scan# 829

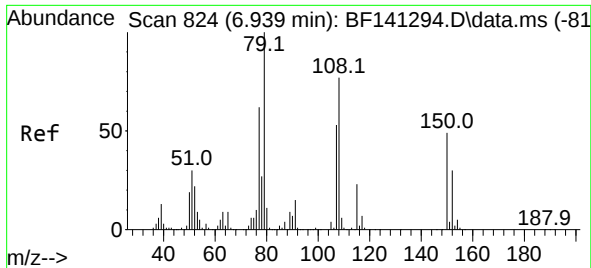
Delta R.T. -0.006 min

Lab File: BF141308.D

Acq: 30 Jan 2025 12:47

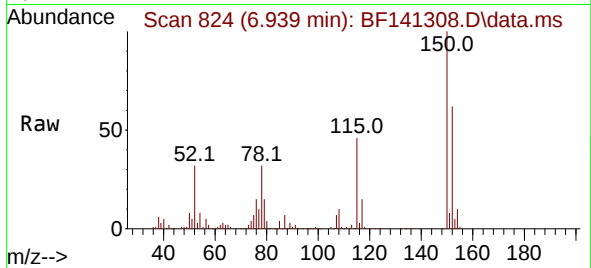
Tgt Ion:146	Resp:	45403
Ion Ratio	Lower	Upper
146	100	
148	63.7	50.5 75.7
111	46.6	36.6 55.0





#15
Benzyl Alcohol
Concen: 5.637 ng
RT: 6.939 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

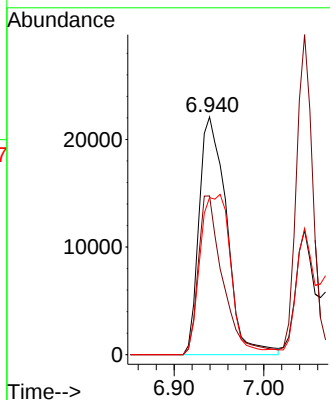
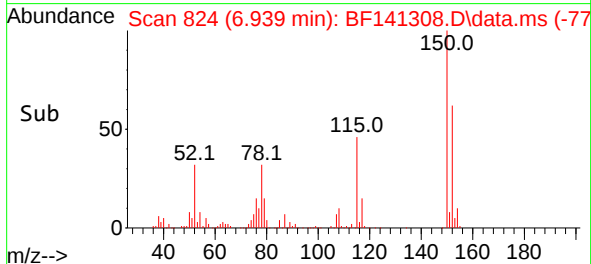
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 79 Resp: 4686
Ion Ratio Lower Upper
79 100
108 66.8 61.4 92.0
77 66.1 49.9 74.9

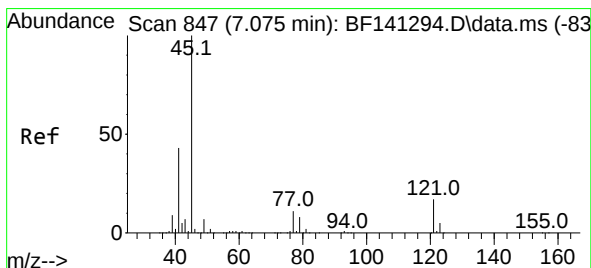
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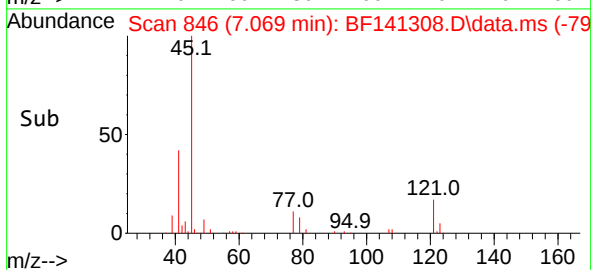
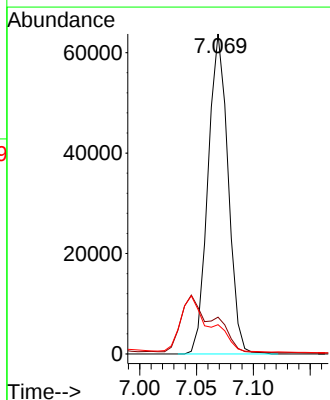
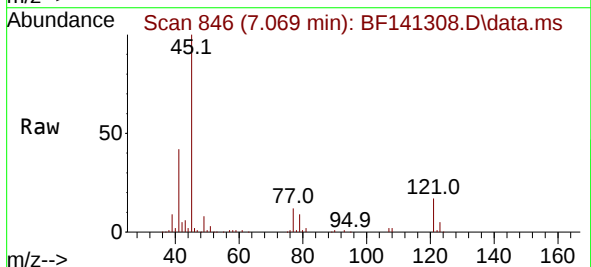
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ahmed

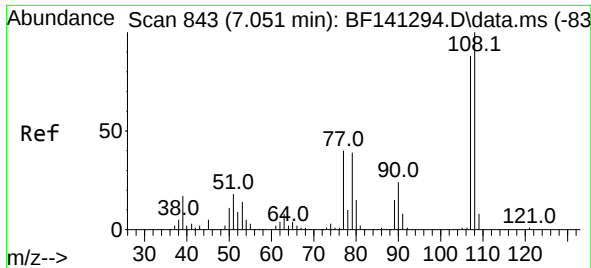
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.547 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

Tgt Ion: 45 Resp: 78194
Ion Ratio Lower Upper
45 100
77 11.5 0.0 31.8
79 9.2 0.0 29.1





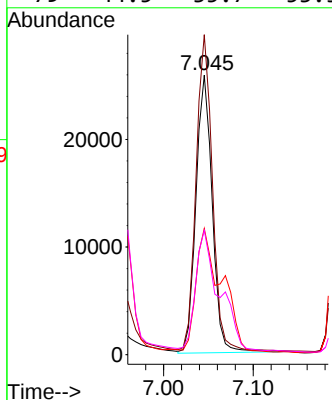
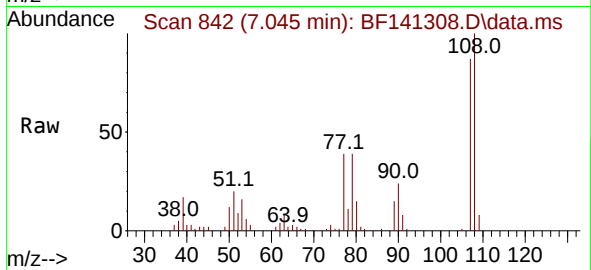
#17
2-Methylphenol
Concen: 3.919 ng
RT: 7.045 min Scan# 843
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:107 Resp: 32650
Ion Ratio Lower Upper
107 100
108 114.5 90.8 136.2
77 45.2 36.2 54.4
79 44.5 35.7 53.5

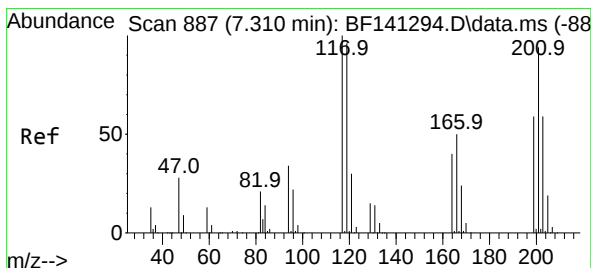
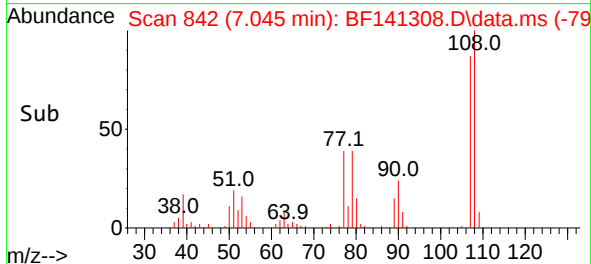
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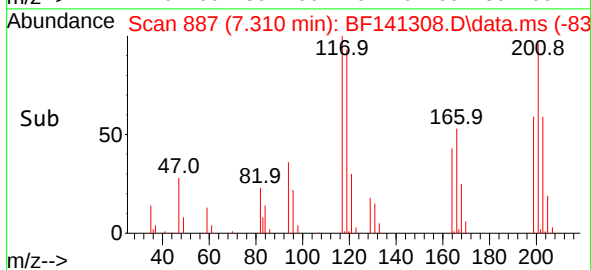
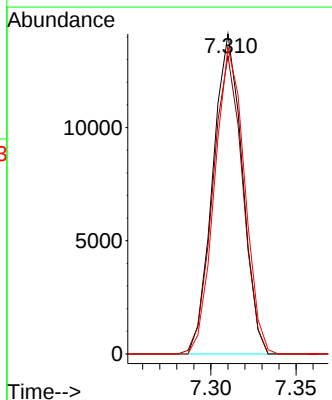
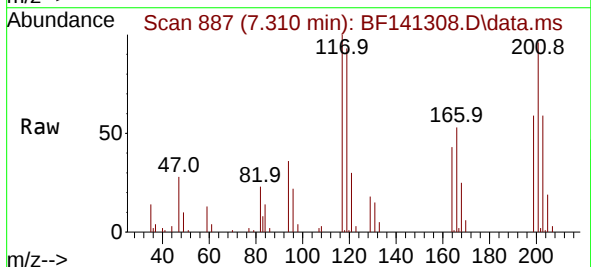
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#18
Hexachloroethane
Concen: 4.048 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

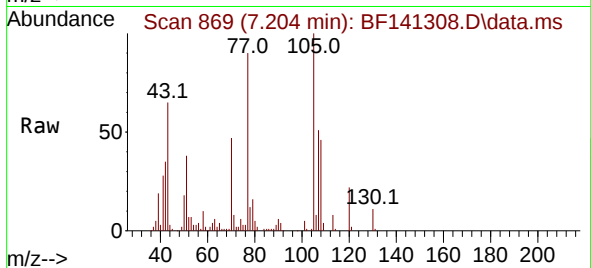
Tgt Ion:117 Resp: 16957
Ion Ratio Lower Upper
117 100
119 93.1 76.6 114.8
201 95.8 74.8 112.2





#19
n-Nitroso-di-n-propylamine
Concen: 4.335 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.024 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

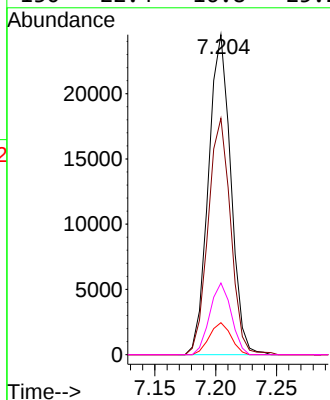
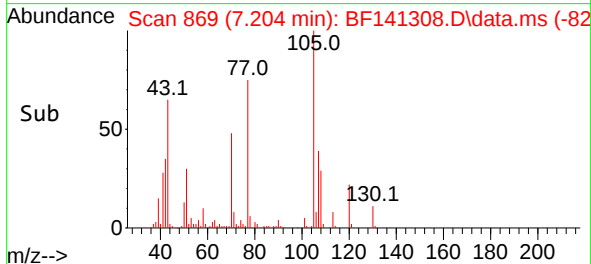
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion	Ratio	Lower	Upper
70	100		
42	73.9	56.8	85.2
101	10.0	7.7	11.5
130	22.4	16.8	25.2

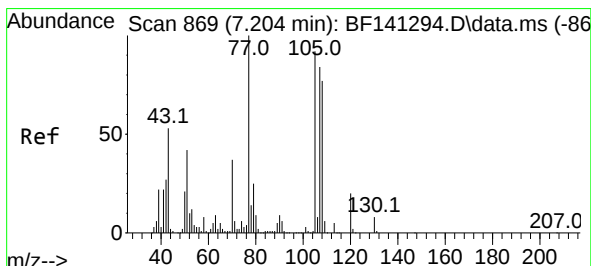
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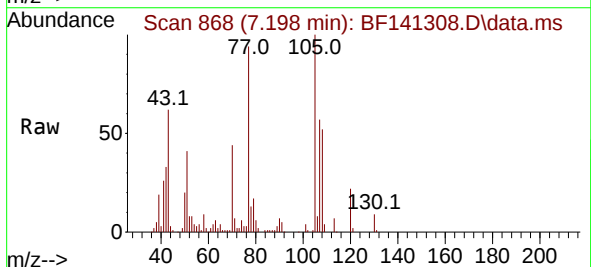


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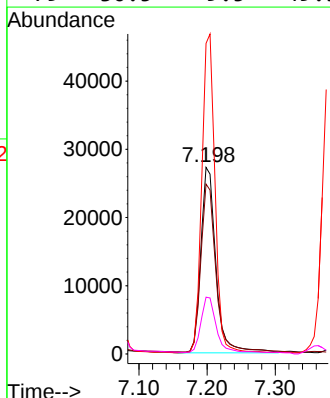
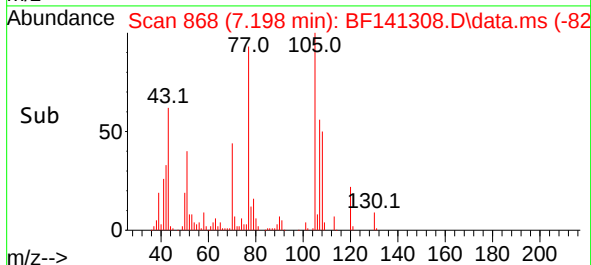
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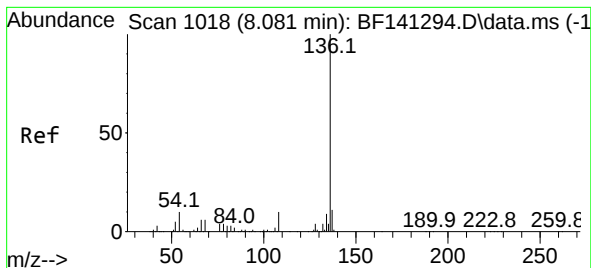


#20
3+4-Methylphenols
Concen: 4.122 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47



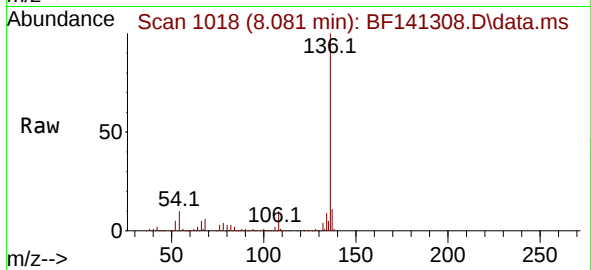
Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.1	70.9	110.9
77	166.4	98.5	138.5#
79	30.5	9.5	49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

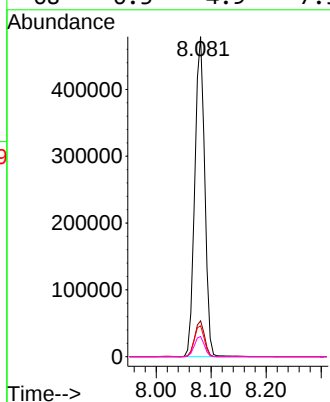
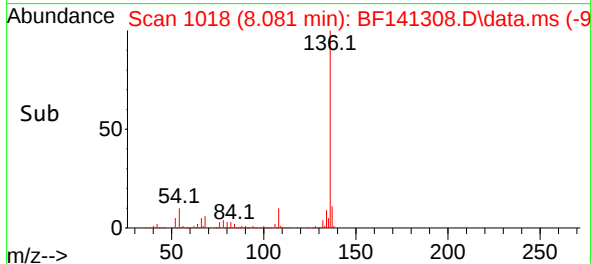


Tgt Ion:136 Resp: 59895

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	9.7	7.8	11.8
68	6.3	4.9	7.3

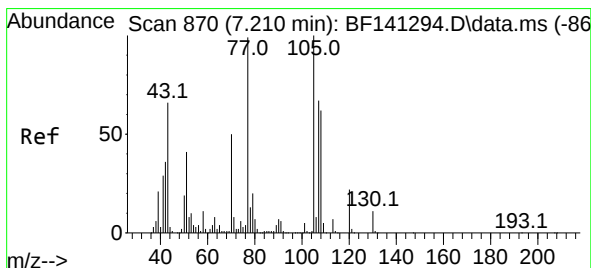
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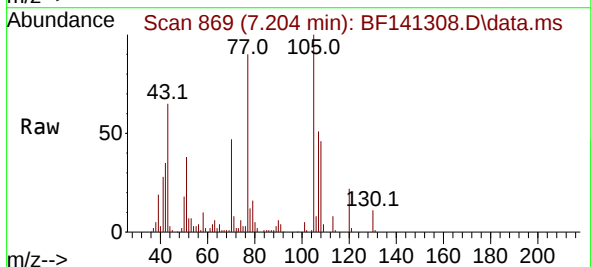


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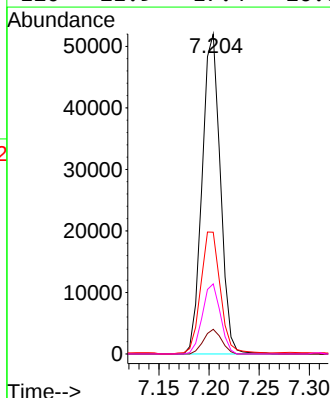
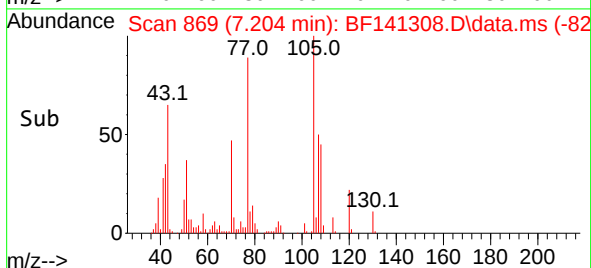


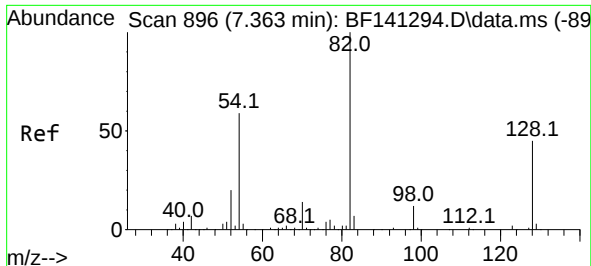
#22
Acetophenone
Concen: 4.629 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47



Tgt Ion:105 Resp: 65906

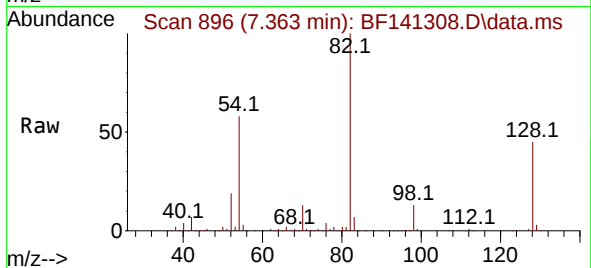
Ion	Ratio	Lower	Upper
105	100		
71	7.7	6.8	10.2
51	38.0	32.6	49.0
120	21.9	17.4	26.0





#23
Nitrobenzene-d5
Concen: 80.346 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

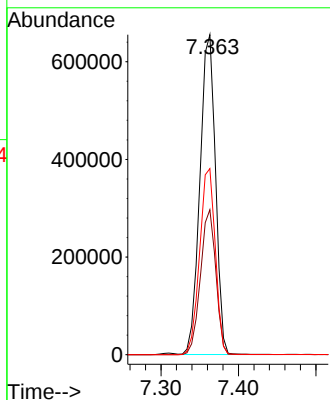
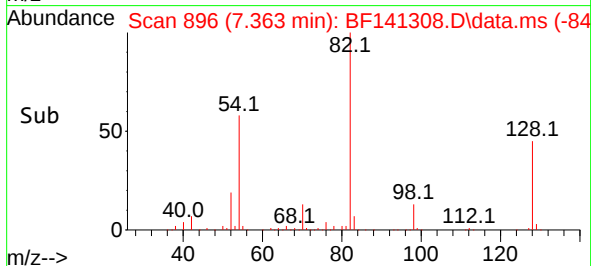
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 82 Resp: 912872
Ion Ratio Lower Upper
82 100
128 45.3 35.7 53.5
54 58.2 47.1 70.7

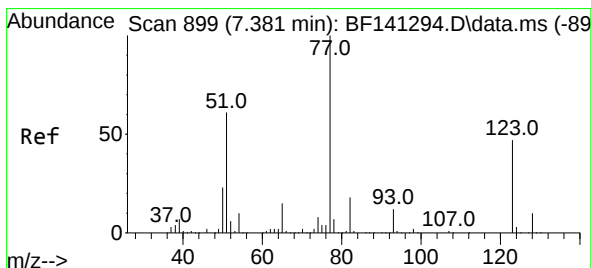
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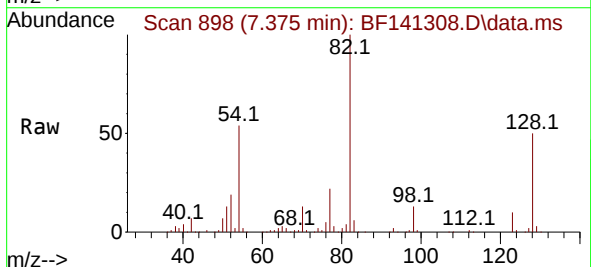


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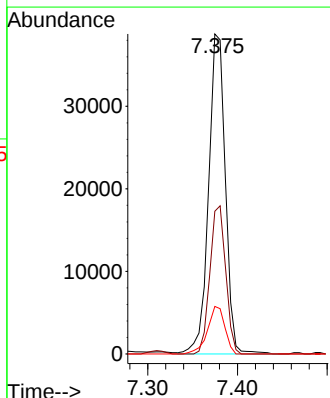
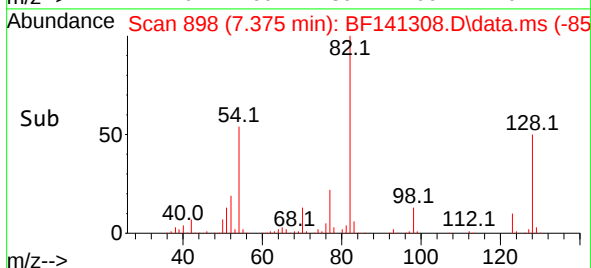
01/31/2025

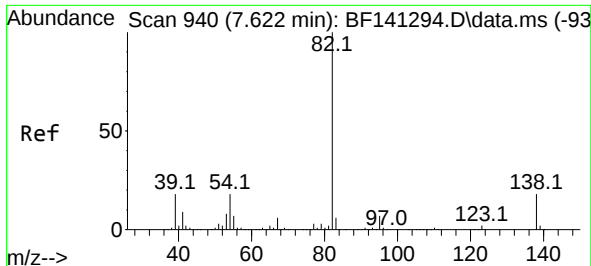


#24
Nitrobenzene
Concen: 4.274 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.018 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47



Tgt Ion: 77 Resp: 50329
Ion Ratio Lower Upper
77 100
123 44.6 37.3 55.9
65 14.8 11.8 17.6





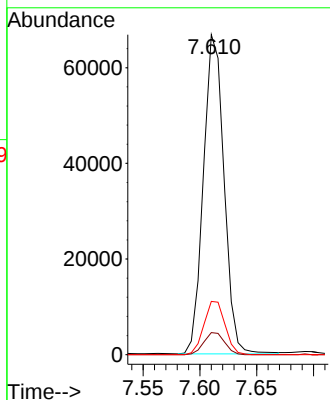
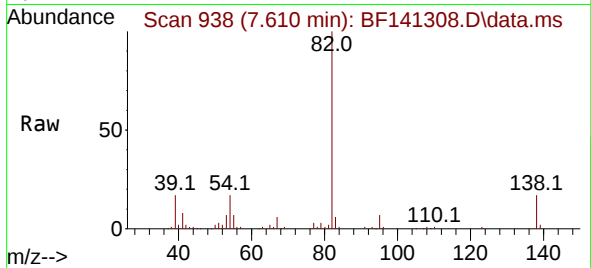
#25
Isophorone
Concen: 4.298 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion: 82 Resp: 8441
Ion Ratio Lower Upper
82 100
95 6.9 5.8 8.6
138 16.6 14.7 22.1

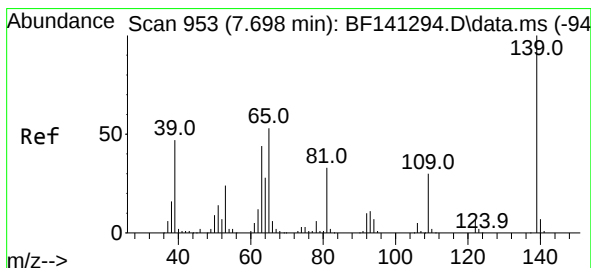
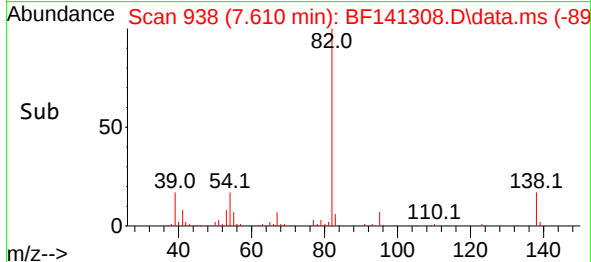
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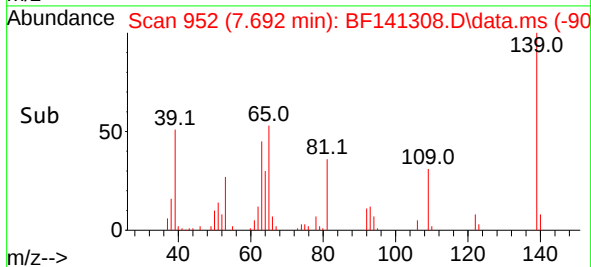
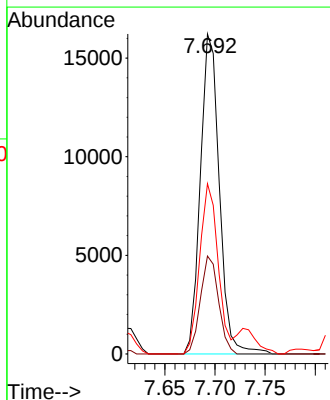
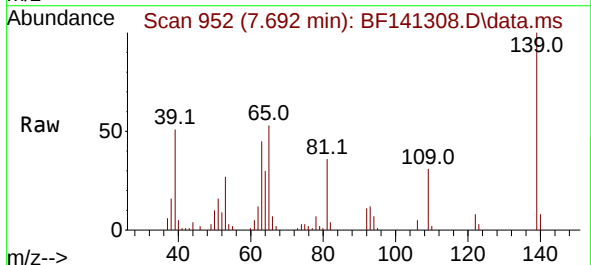
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#26
2-Nitrophenol
Concen: 3.862 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

Tgt Ion:139 Resp: 21443
Ion Ratio Lower Upper
139 100
109 30.6 23.8 35.6
65 53.2 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 2.434 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141308.D

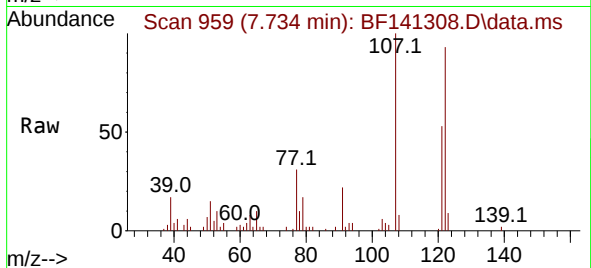
Acq: 30 Jan 2025 12:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



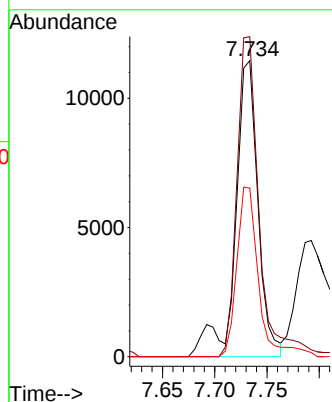
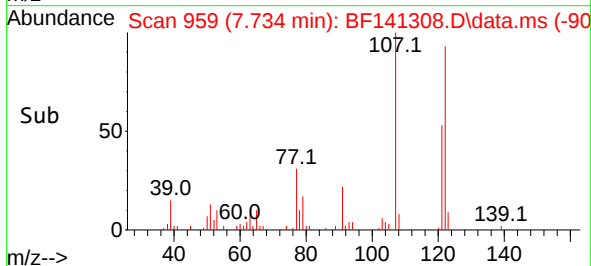
Tgt Ion:122 Resp: 1720

Ion	Ratio	Lower	Upper
122	100		
107	108.1	89.9	134.9
121	57.0	46.1	69.1

Manual Integrations

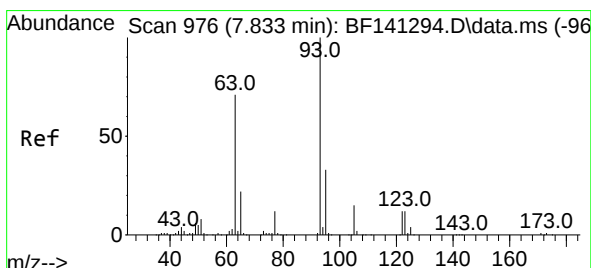
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ahmed

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#28

bis(2-Chloroethoxy)methane

Concen: 4.319 ng

RT: 7.828 min Scan# 975

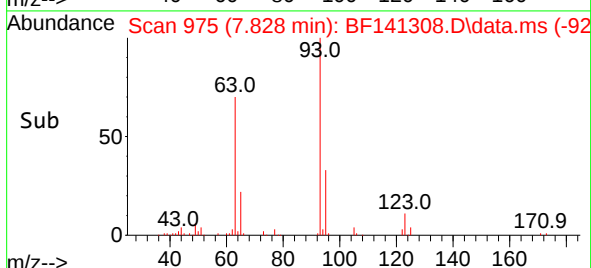
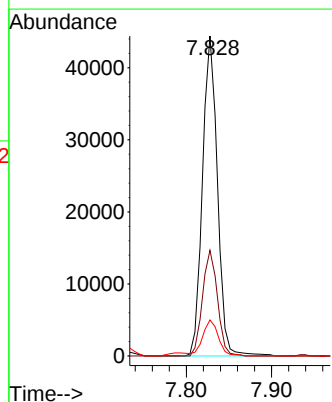
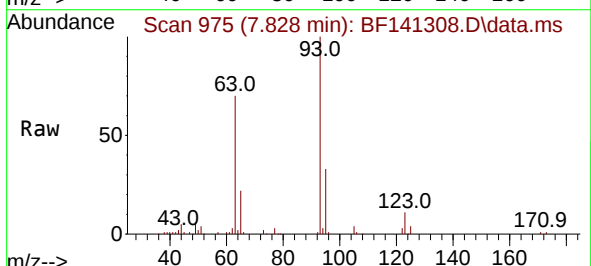
Delta R.T. -0.012 min

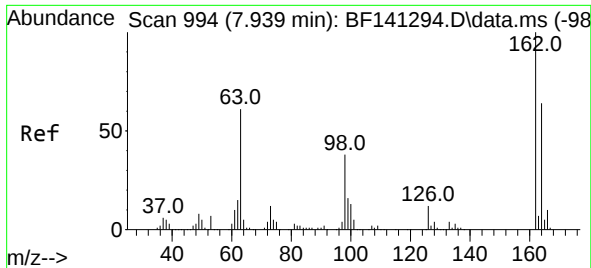
Lab File: BF141308.D

Acq: 30 Jan 2025 12:47

Tgt Ion: 93 Resp: 54113

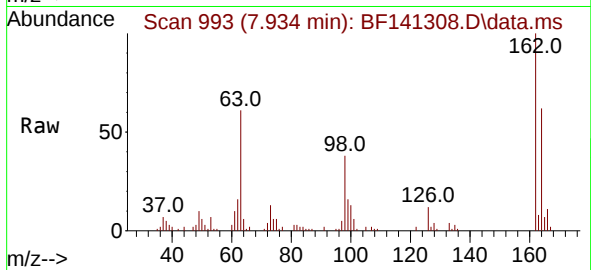
Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.2
123	11.3	10.2	15.4





#29
2,4-Dichlorophenol
Concen: 4.009 ng
RT: 7.934 min Scan# 994
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

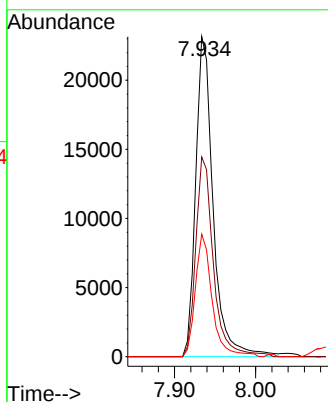
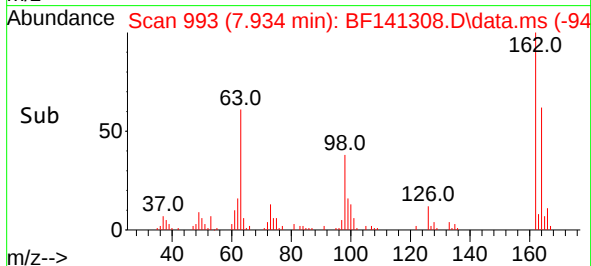
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:162 Resp: 3468
Ion Ratio Lower Upper
162 100
164 62.4 44.2 84.2
98 38.3 18.2 58.2

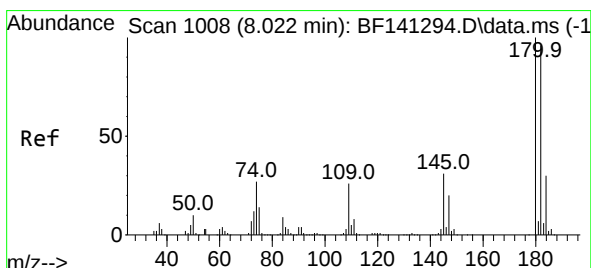
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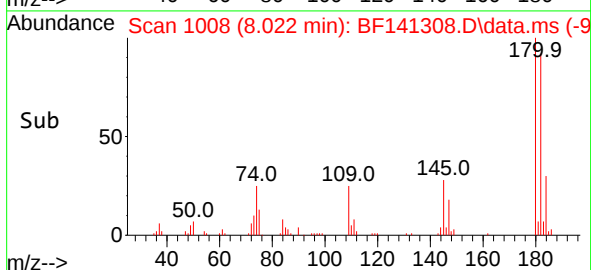
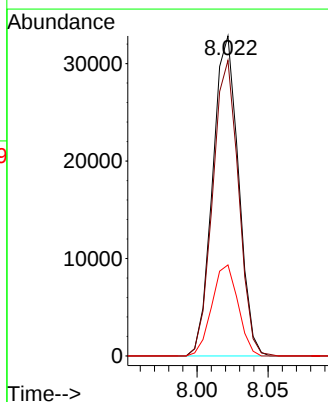
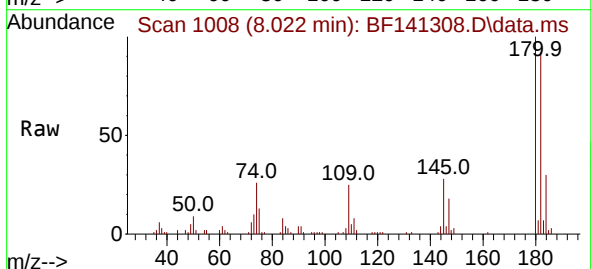
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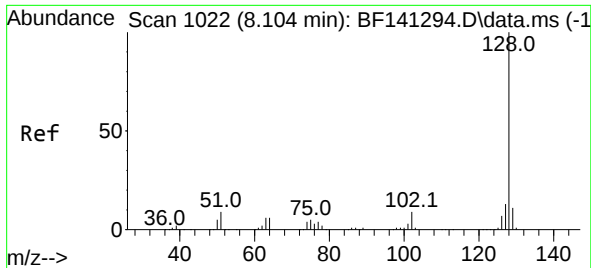
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#30
1,2,4-Trichlorobenzene
Concen: 4.201 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

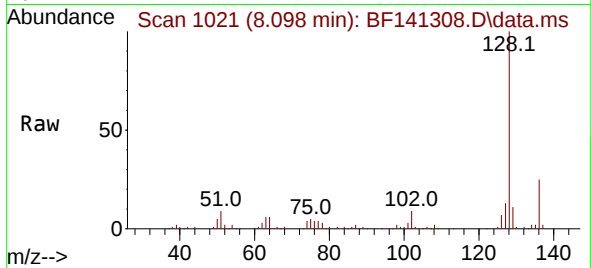
Tgt Ion:180 Resp: 41512
Ion Ratio Lower Upper
180 100
182 92.3 76.4 114.6
145 28.5 24.9 37.3





#31
Naphthalene
Concen: 4.244 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

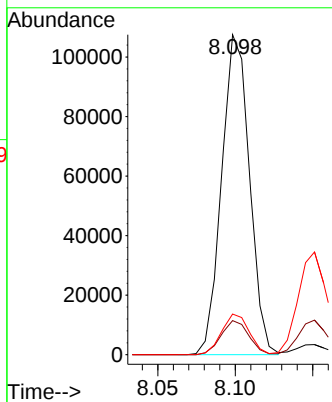
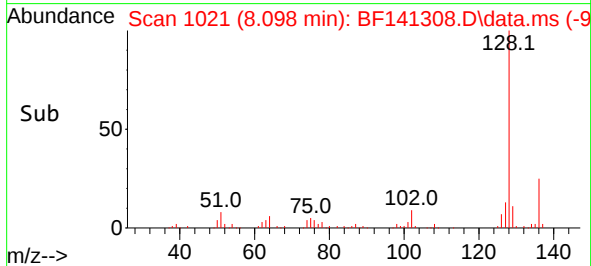
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:128 Resp: 134289
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 12.7 10.6 15.8

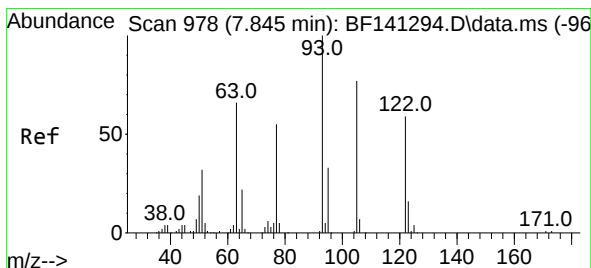
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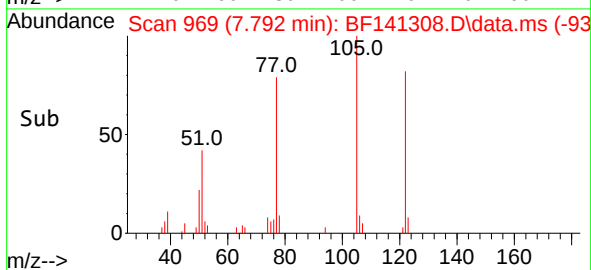
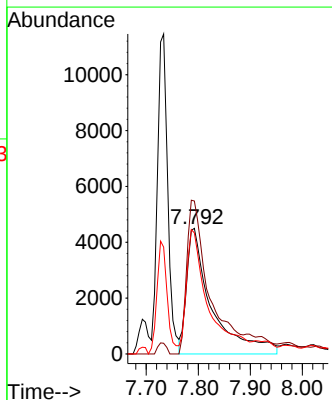
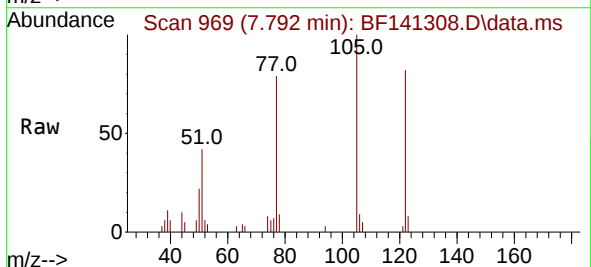
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#32
Benzoic acid
Concen: 2.327 ng m
RT: 7.792 min Scan# 969
Delta R.T. -0.088 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

Tgt Ion:122 Resp: 15122
Ion Ratio Lower Upper
122 100
105 121.9 103.4 143.4
77 96.4 70.9 110.9





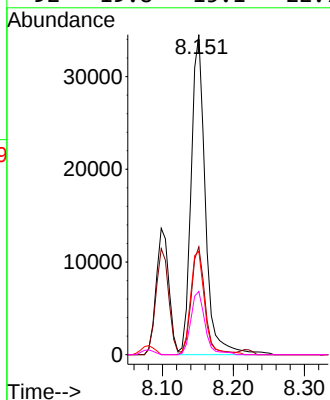
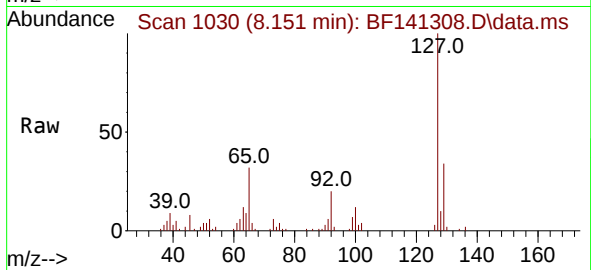
#33
4-Chloroaniline
Concen: 4.492 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:	127	Resp:	48190
Ion Ratio	Lower	Upper	
127	100		
129	33.7	25.7	38.5
65	32.3	26.4	39.6
92	19.8	15.1	22.7

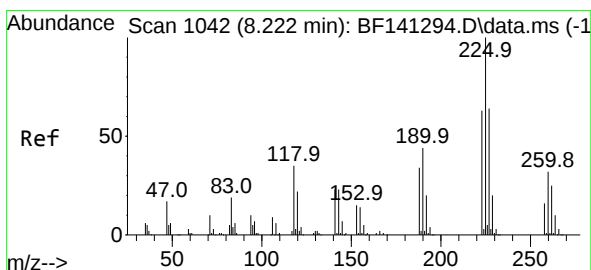
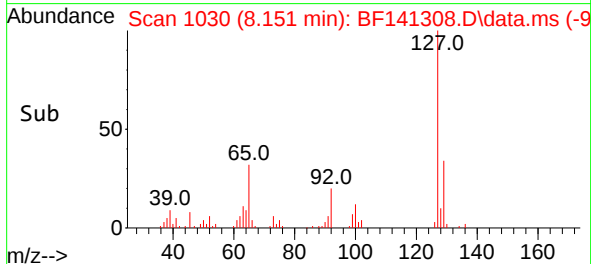
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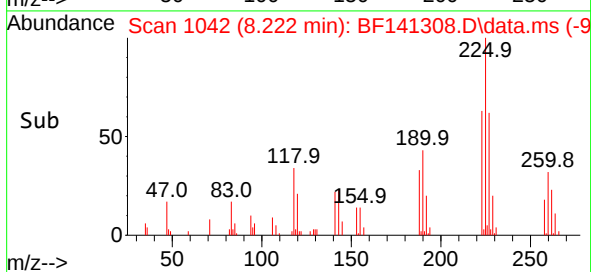
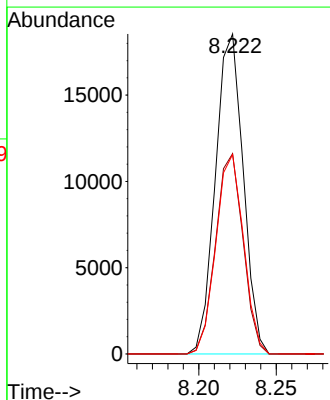
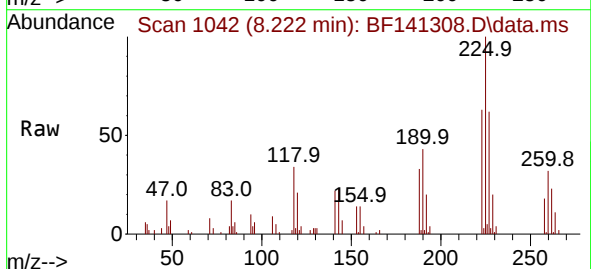
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#34
Hexachlorobutadiene
Concen: 3.995 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

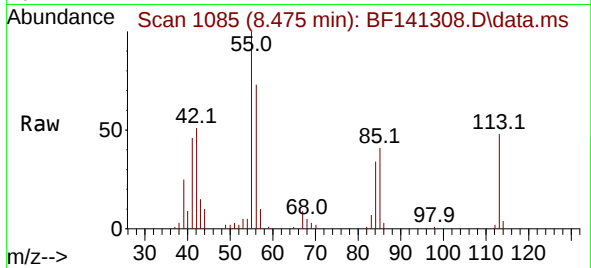
Tgt Ion:	225	Resp:	23153
Ion Ratio	Lower	Upper	
225	100		
223	62.6	50.4	75.6
227	62.4	51.3	76.9





#35
Caprolactam
Concen: 3.844 ng
RT: 8.475 min Scan# 1108
Delta R.T. -0.071 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

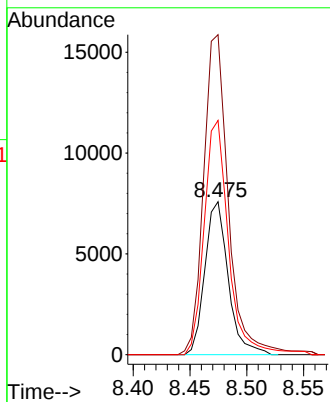
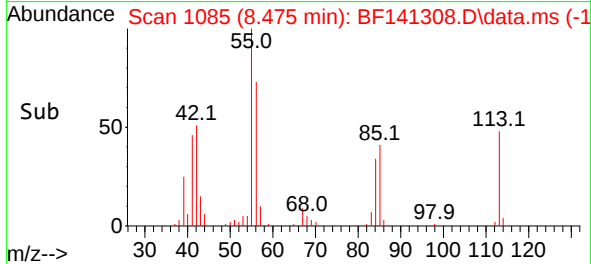
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:113 Resp: 10864
Ion Ratio Lower Upper
113 100
55 209.3 182.9 222.9
56 153.2 127.9 167.9

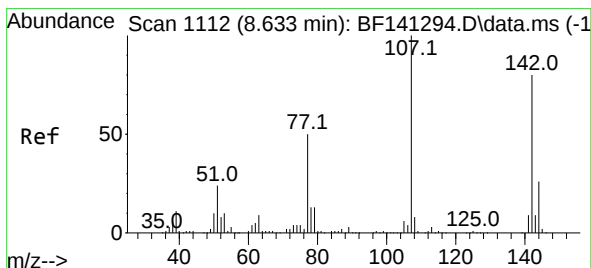
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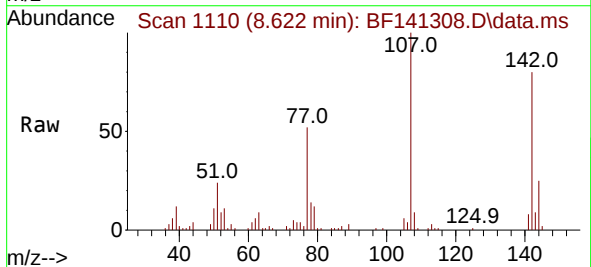


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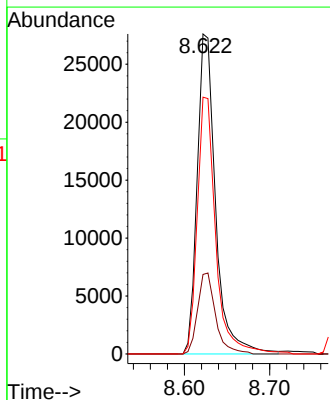
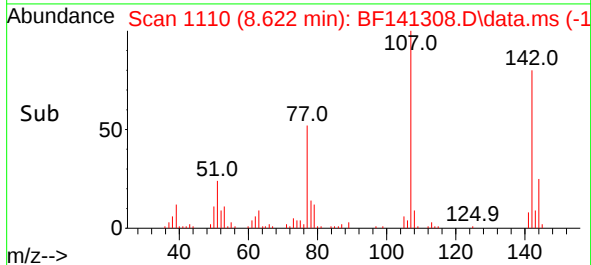
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#36
4-Chloro-3-methylphenol
Concen: 4.475 ng
RT: 8.622 min Scan# 1110
Delta R.T. -0.018 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47



Tgt Ion:107 Resp: 41538
Ion Ratio Lower Upper
107 100
144 24.9 20.7 31.1
142 80.3 63.8 95.8





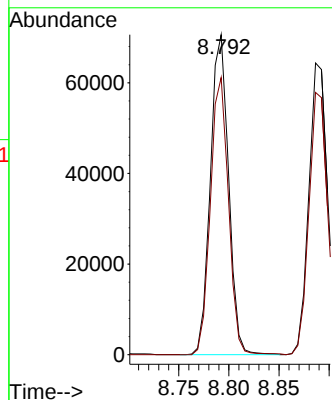
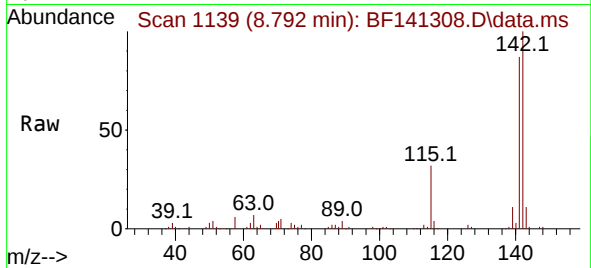
#37
2-Methylnaphthalene
Concen: 4.444 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:142 Resp: 89372
Ion Ratio Lower Upper
142 100
141 86.6 71.3 106.9

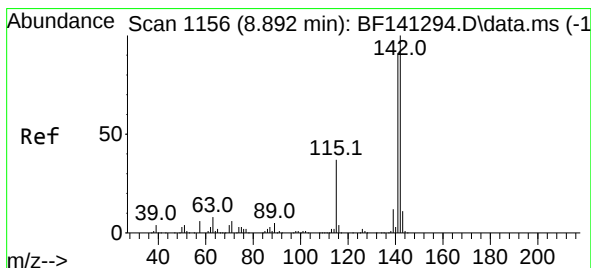
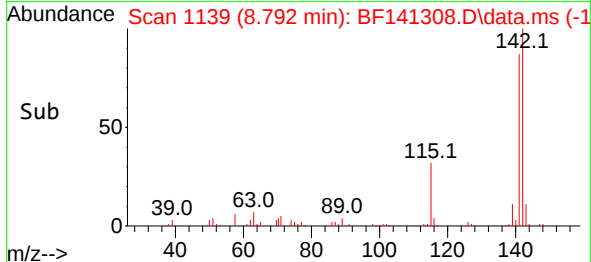
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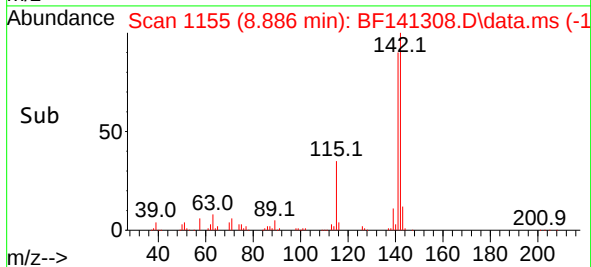
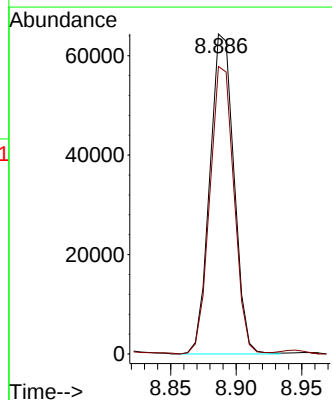
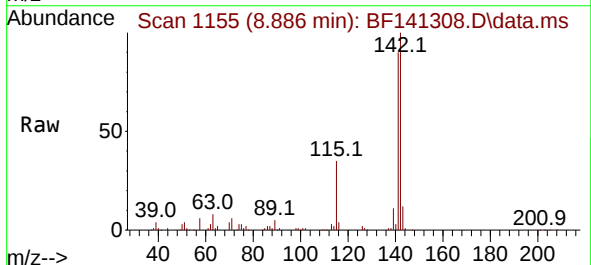
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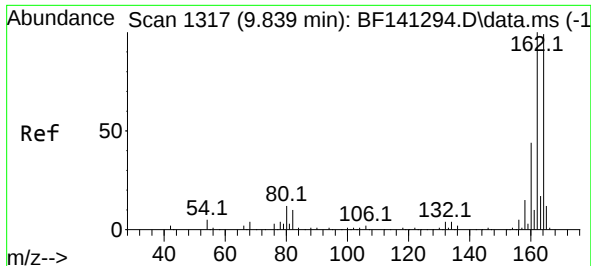
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#38
1-Methylnaphthalene
Concen: 4.186 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

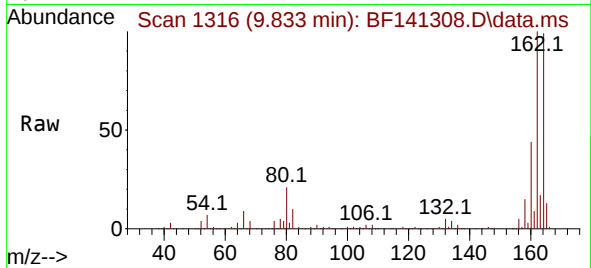
Tgt Ion:142 Resp: 82697
Ion Ratio Lower Upper
142 100
141 89.9 73.2 109.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

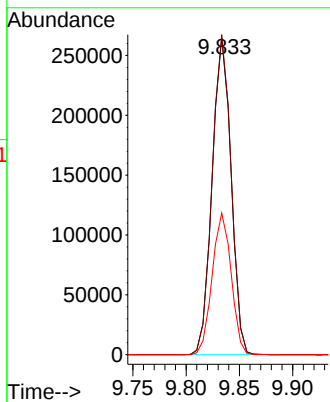
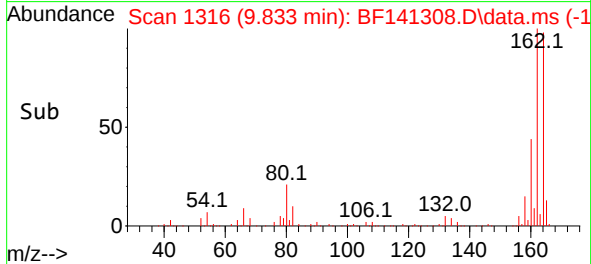
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:164 Resp: 32583
Ion Ratio Lower Upper
164 100
162 100.9 80.6 121.0
160 44.7 35.8 53.6

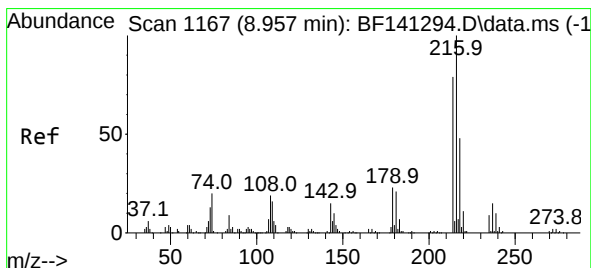
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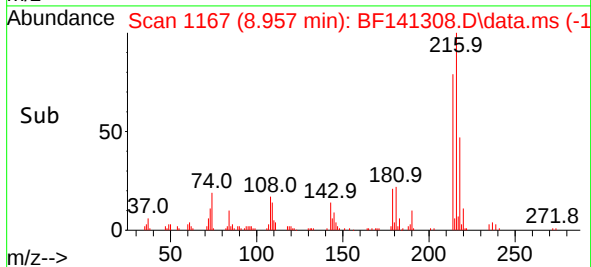
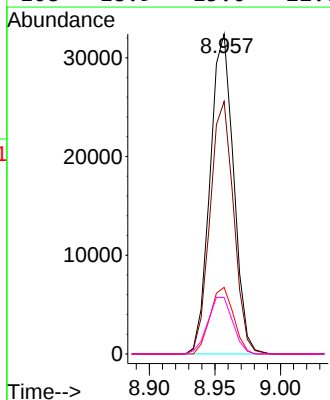
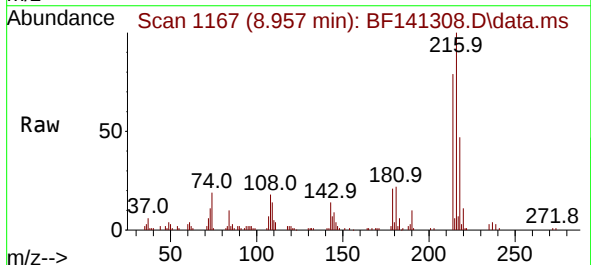
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.356 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

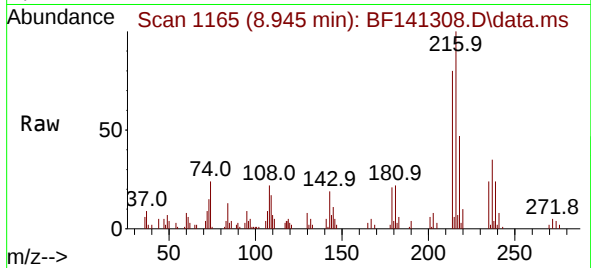
Tgt Ion:216 Resp: 40379
Ion Ratio Lower Upper
216 100
214 79.3 63.2 94.8
179 20.8 17.8 26.8
108 18.9 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 2.428 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

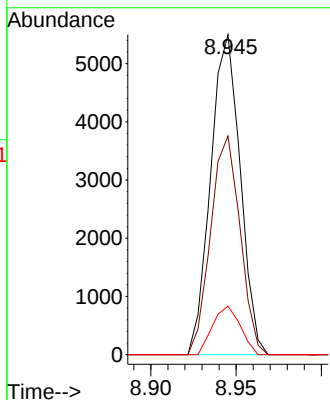
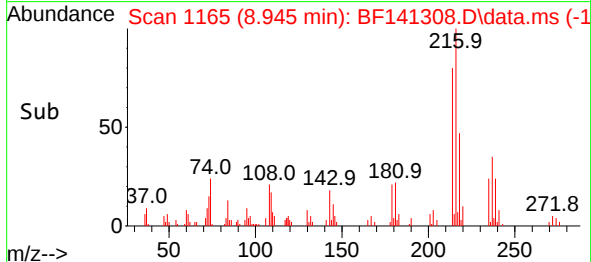
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 237 Resp: 6648
Ion Ratio Lower Upper
237 100
235 68.4 42.9 82.9
272 15.1 0.0 32.8

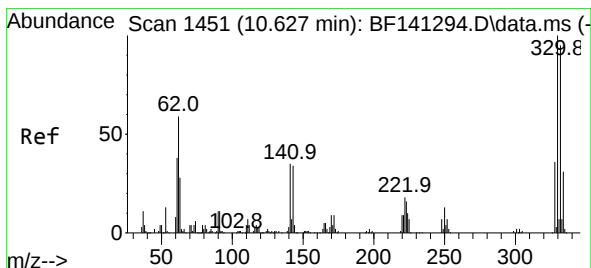
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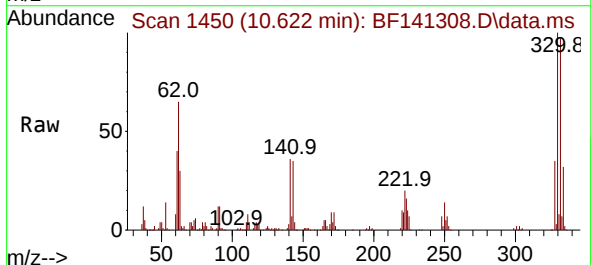


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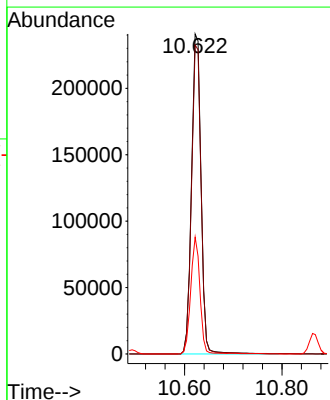
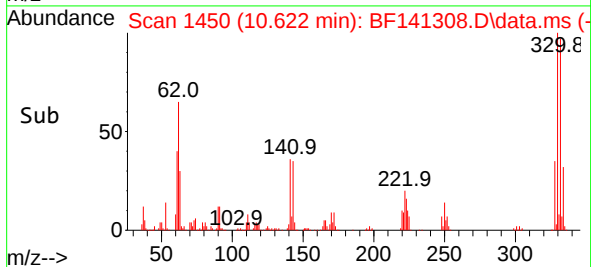
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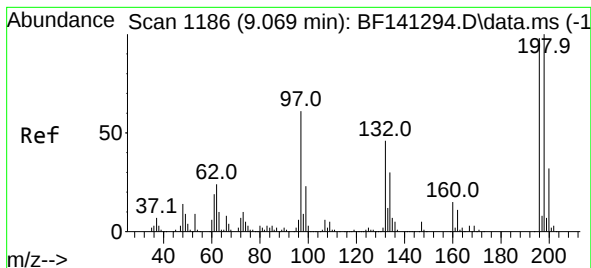


#42
2,4,6-Tribromophenol
Concen: 110.089 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47



Tgt Ion: 330 Resp: 328849
Ion Ratio Lower Upper
330 100
332 96.7 76.1 114.1
141 35.2 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 3.960 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141308.D

Acq: 30 Jan 2025 12:47

Instrument :

BNA_F

ClientSampleId :

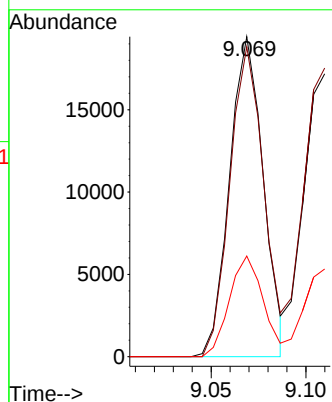
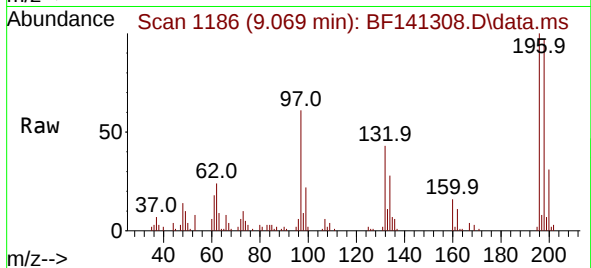
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:196	Resp:	2402
Ion Ratio	Lower	Upper
196	100	
198	96.8	81.8 122.6
200	31.5	26.3 39.5

Manual Integrations

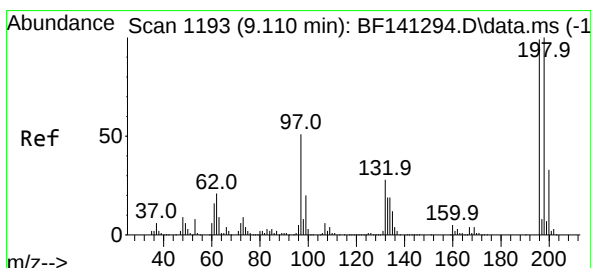
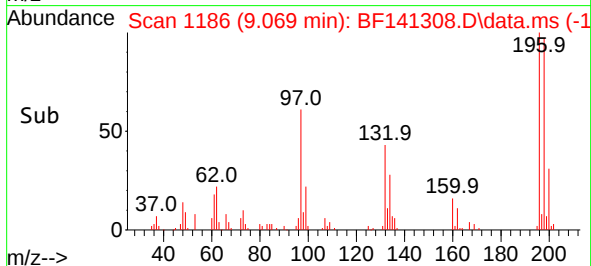
APPROVED

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



01/30/2025
Supervised By :mohammad
ahmed

01/31/2025



#44

2,4,5-Trichlorophenol

Concen: 3.927 ng

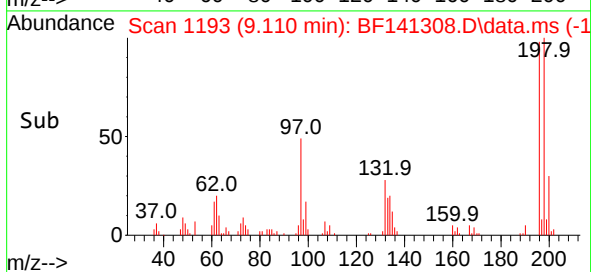
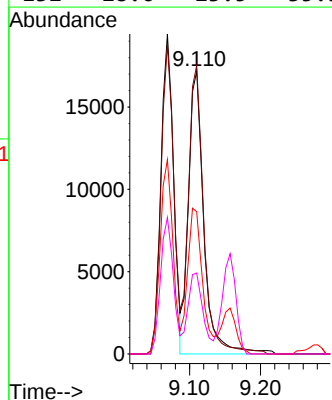
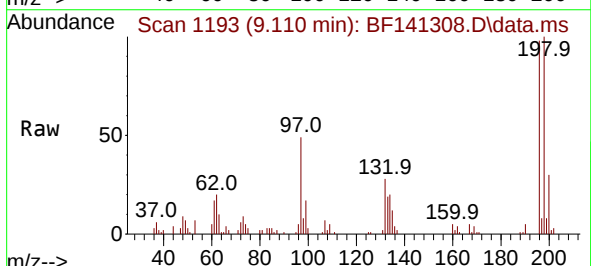
RT: 9.110 min Scan# 1193

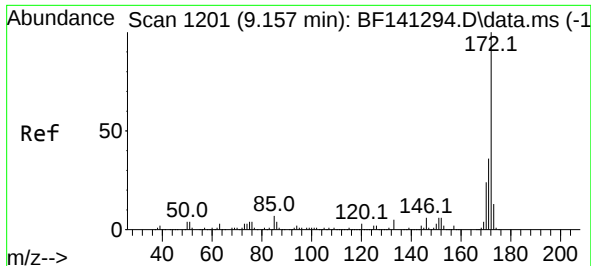
Delta R.T. -0.006 min

Lab File: BF141308.D

Acq: 30 Jan 2025 12:47

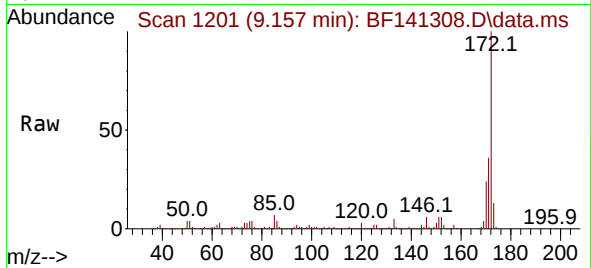
Tgt Ion:196	Resp:	25935
Ion Ratio	Lower	Upper
196	100	
198	102.0	80.5 120.7
97	50.3	42.8 64.2
132	28.6	23.5 35.3





#45
2-Fluorobiphenyl
Concen: 75.159 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

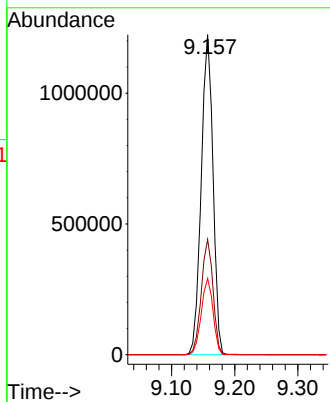
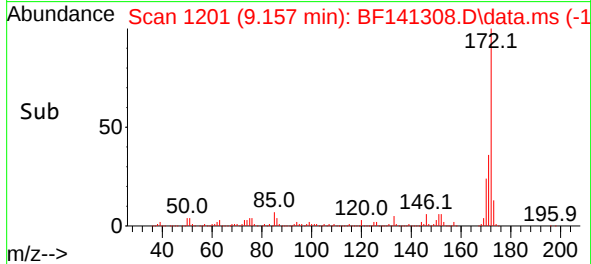
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:172 Resp: 1591039
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 23.8 19.0 28.6

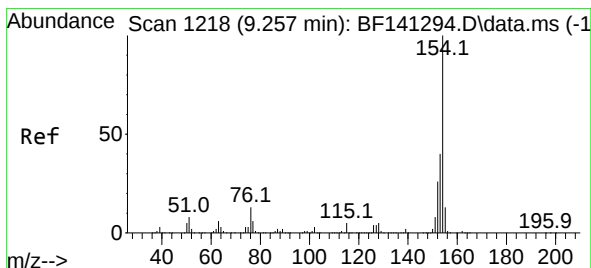
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 01/31/2025



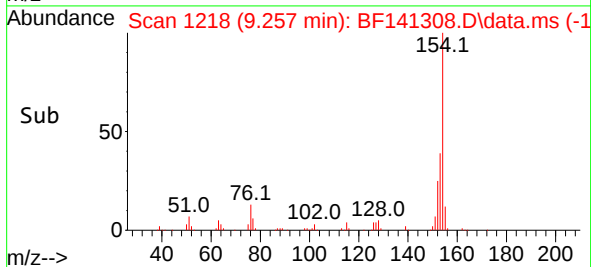
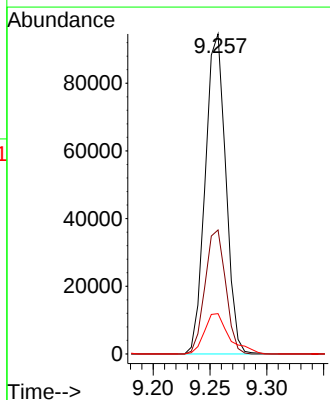
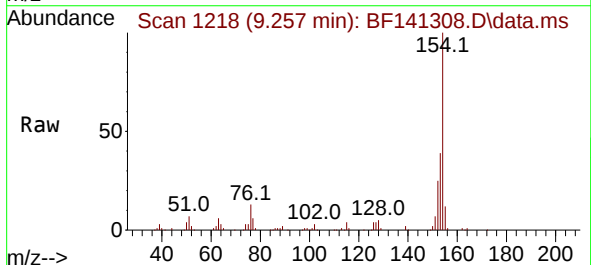
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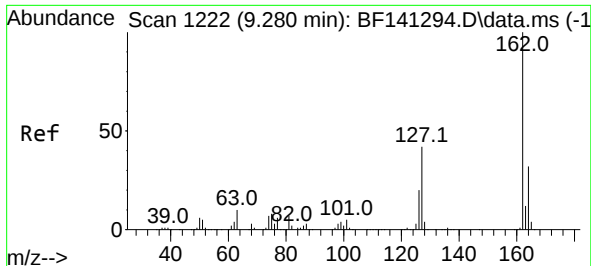
01/31/2025



#46
1,1'-Biphenyl
Concen: 4.656 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

Tgt Ion:154 Resp: 118314
Ion Ratio Lower Upper
154 100
153 38.8 20.0 60.0
76 12.6 0.0 32.8





#47

2-Chloronaphthalene

Concen: 4.159 ng

RT: 9.281 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF141308.D

Acq: 30 Jan 2025 12:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

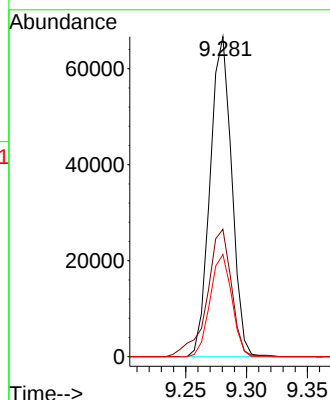
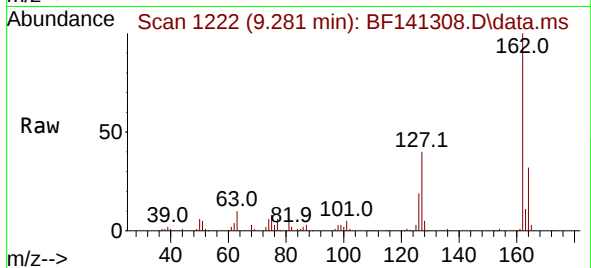
Tgt Ion:162 Resp: 8238

Ion	Ratio	Lower	Upper
162	100		
127	39.8	33.7	50.5
164	31.9	25.9	38.9

Manual Integrations

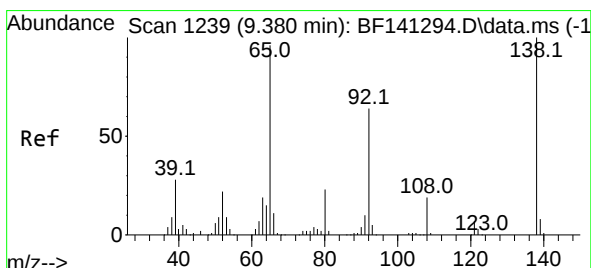
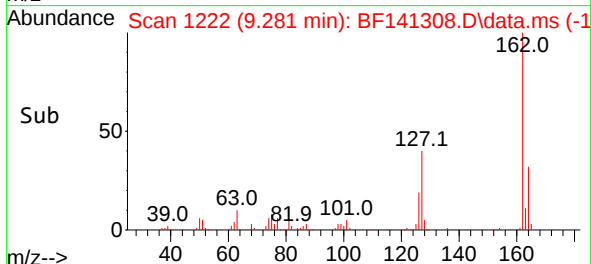
APPROVED

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



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Supervised By :mohammad
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01/31/2025



#48

2-Nitroaniline

Concen: 3.740 ng

RT: 9.375 min Scan# 1238

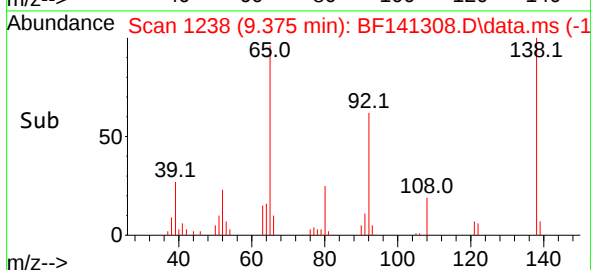
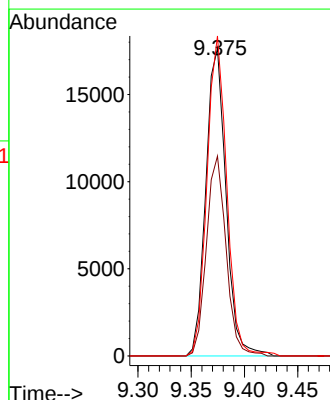
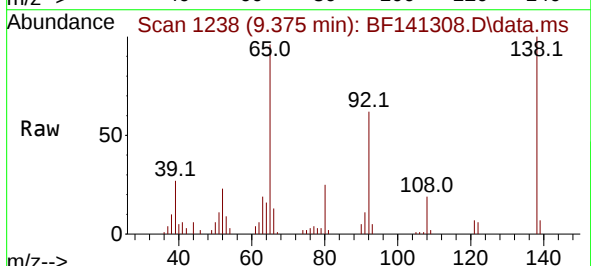
Delta R.T. -0.006 min

Lab File: BF141308.D

Acq: 30 Jan 2025 12:47

Tgt Ion: 65 Resp: 23303

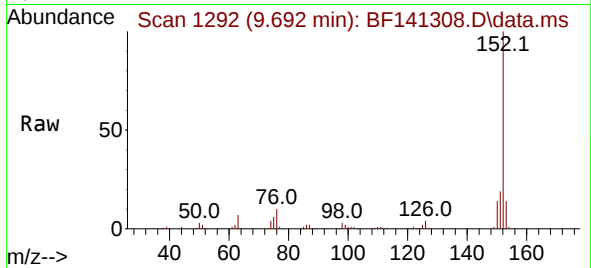
Ion	Ratio	Lower	Upper
65	100		
92	64.9	53.3	79.9
138	103.9	83.6	125.4





#49
Acenaphthylene
Concen: 4.657 ng
RT: 9.692 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

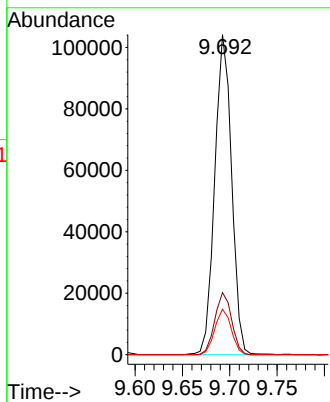
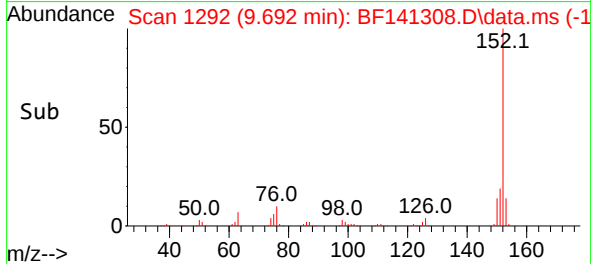
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:152 Resp: 129120
Ion Ratio Lower Upper
152 100
151 19.4 16.2 24.2
153 14.2 11.0 16.6

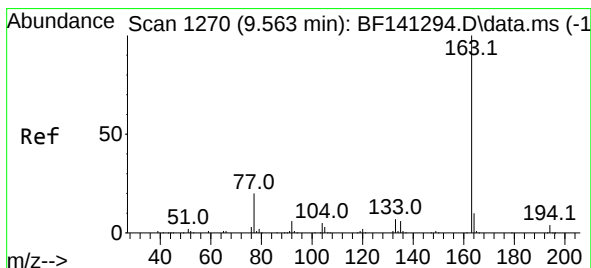
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Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

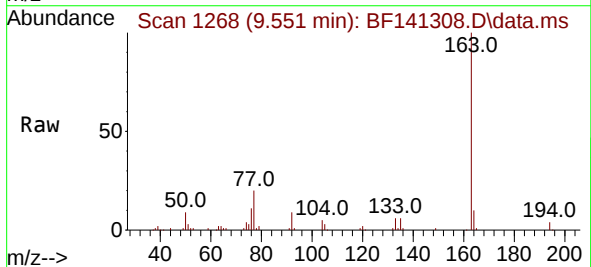


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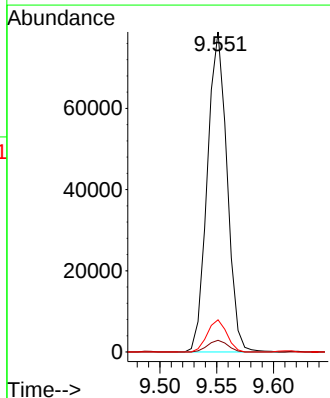
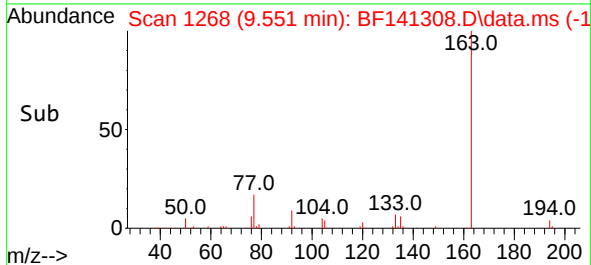
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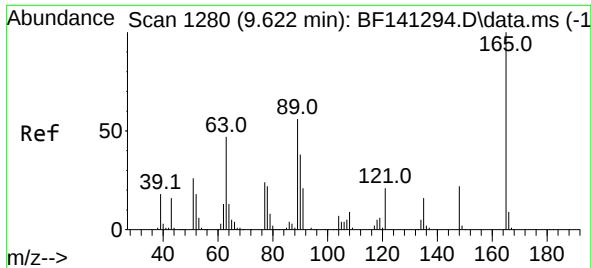


#50
Dimethylphthalate
Concen: 4.322 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47



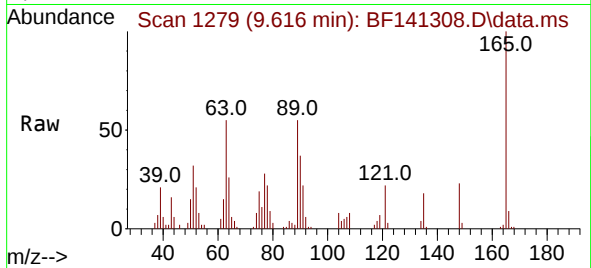
Tgt Ion:163 Resp: 95120
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.1 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 3.785 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

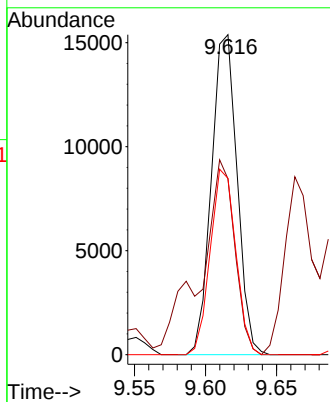
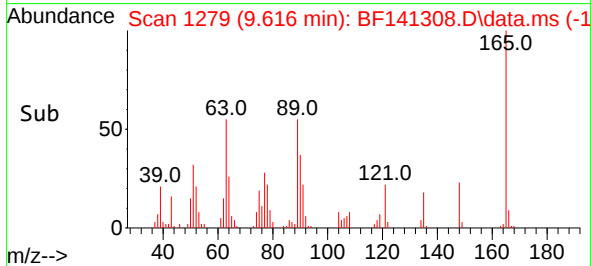
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:165 Resp: 1934
Ion Ratio Lower Upper
165 100
63 55.0 48.1 72.1
89 55.1 44.9 67.3

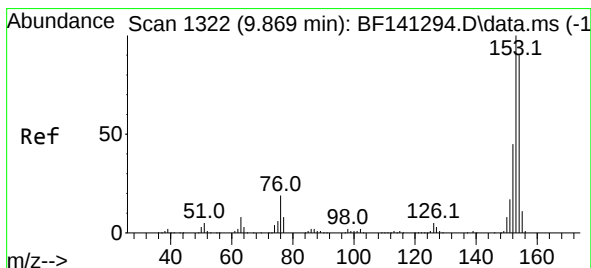
Manual Integrations
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Supervised By :mohammad ahmed 01/31/2025

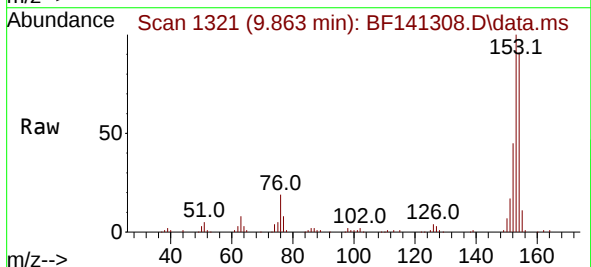


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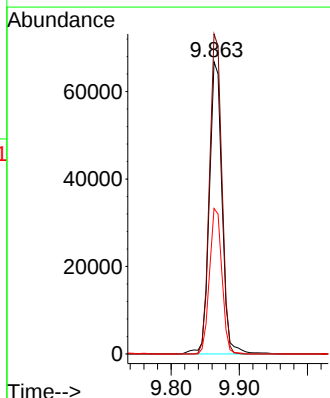
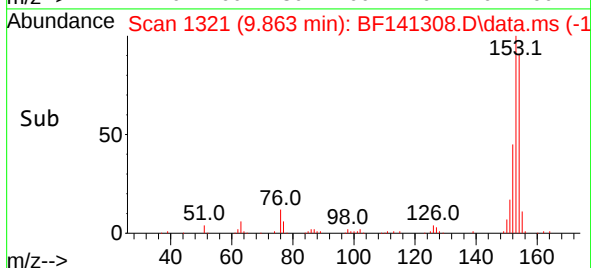
01/31/2025

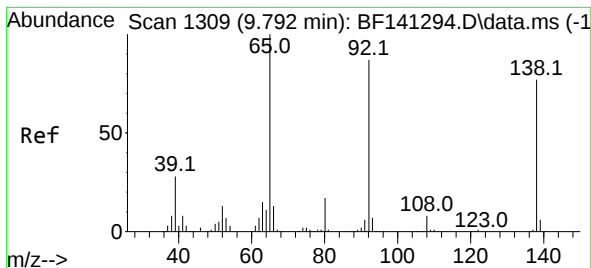


#52
Acenaphthene
Concen: 4.386 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47



Tgt Ion:154 Resp: 86874
Ion Ratio Lower Upper
154 100
153 109.5 89.0 133.4
152 49.8 40.2 60.4





#53

3-Nitroaniline

Concen: 4.184 ng

RT: 9.781 min Scan# 1307

Delta R.T. -0.018 min

Lab File: BF141308.D

Acq: 30 Jan 2025 12:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

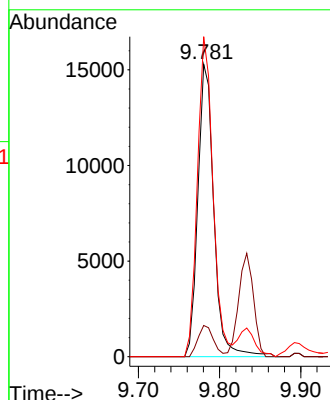
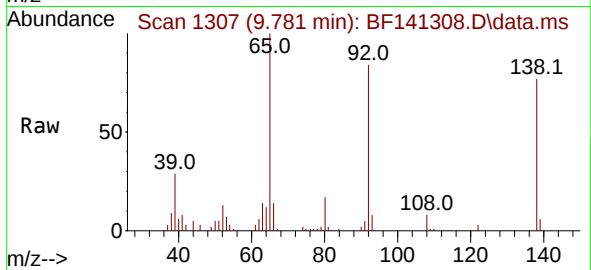
Tgt Ion:138 Resp: 2095

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.6	12.8
92	109.5	91.0	136.6

Manual Integrations

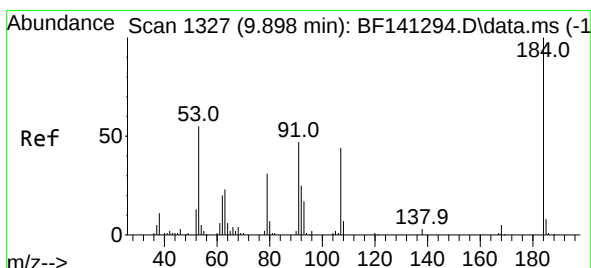
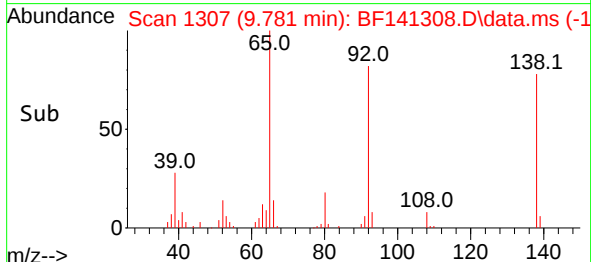
APPROVED

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



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Supervised By :mohammad
ahmed

01/31/2025



#54

2,4-Dinitrophenol

Concen: 1.559 ng

RT: 9.892 min Scan# 1326

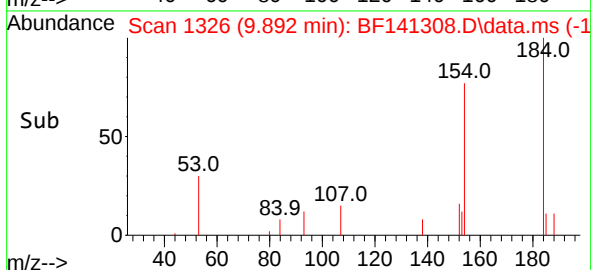
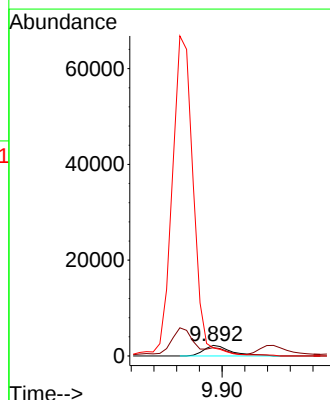
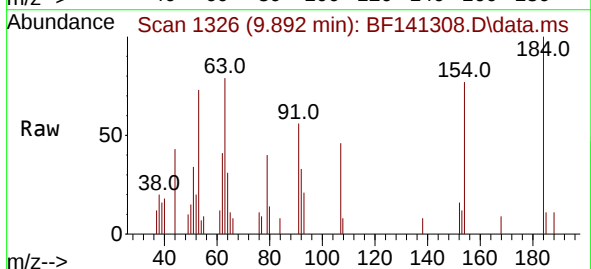
Delta R.T. -0.012 min

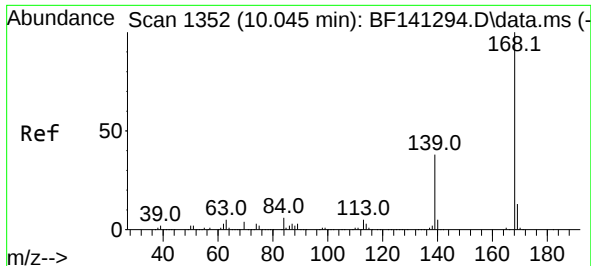
Lab File: BF141308.D

Acq: 30 Jan 2025 12:47

Tgt Ion:184 Resp: 3704

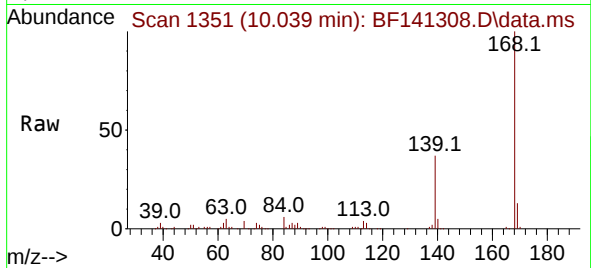
Ion	Ratio	Lower	Upper
184	100		
63	79.3	54.1	81.1
154	76.6	50.7	76.1#





#55
Dibenzenofuran
Concen: 4.449 ng
RT: 10.039 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

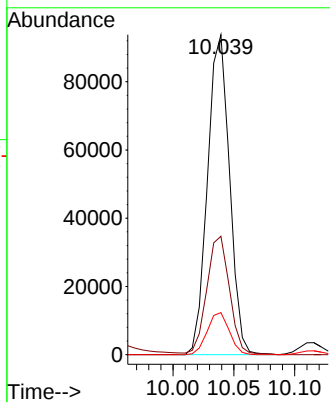
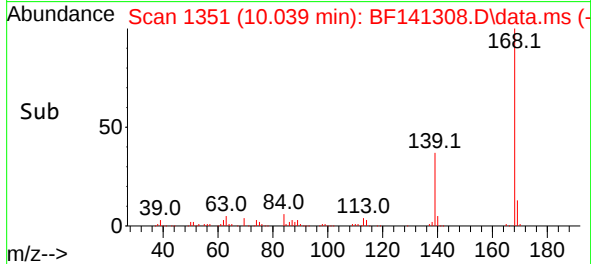
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:168 Resp: 117940
Ion Ratio Lower Upper
168 100
139 37.0 30.6 46.0
169 13.1 10.8 16.2

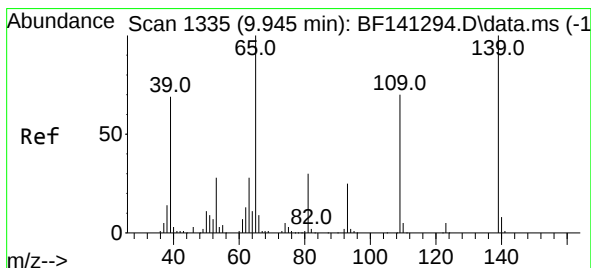
Manual Integrations
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Supervised By :mohammad ahmed 01/31/2025



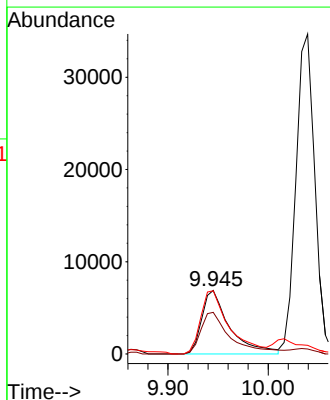
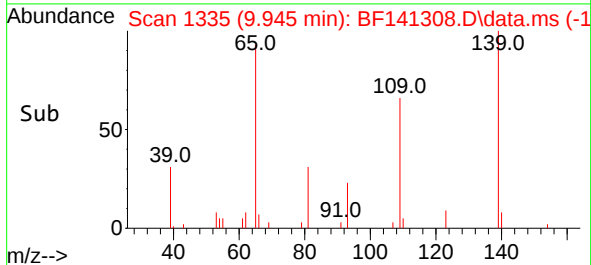
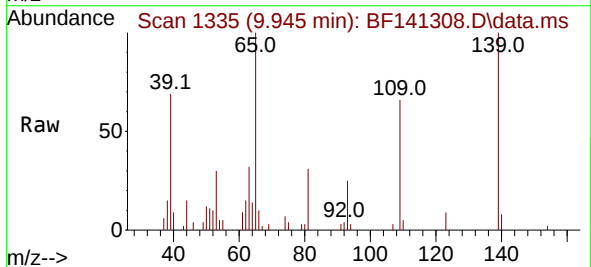
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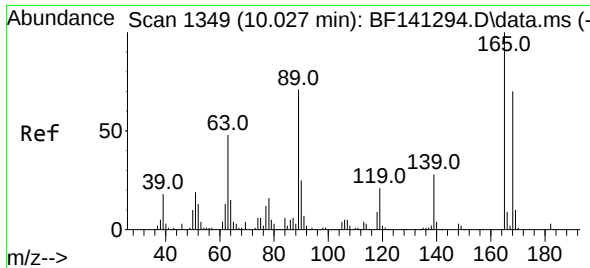
01/31/2025



#56
4-Nitrophenol
Concen: 3.644 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

Tgt Ion:139 Resp: 13346
Ion Ratio Lower Upper
139 100
109 65.5 50.2 90.2
65 99.7 80.6 120.6





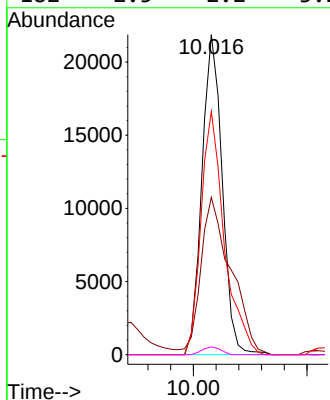
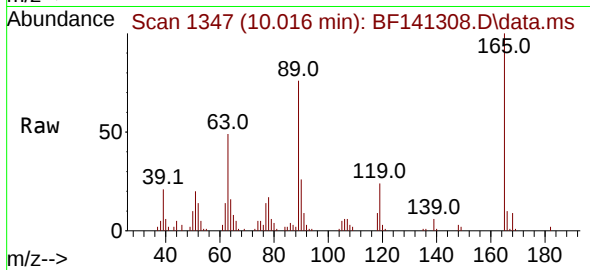
#57
2,4-Dinitrotoluene
Concen: 4.095 ng
RT: 10.016 min Scan# 1409
Delta R.T. -0.018 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:165 Resp: 27089
Ion Ratio Lower Upper
165 100
63 49.2 39.2 58.8
89 76.0 56.9 85.3
182 2.5 2.2 3.2

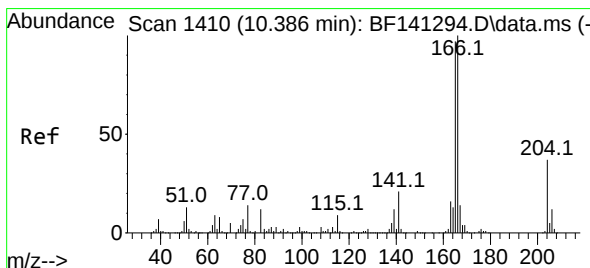
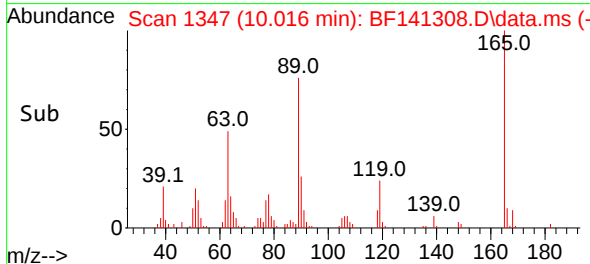
Manual Integrations
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Supervised By :mohammad ahmed 01/31/2025



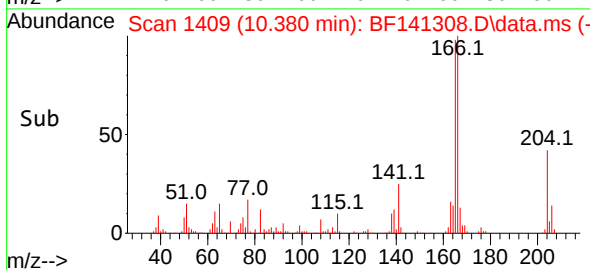
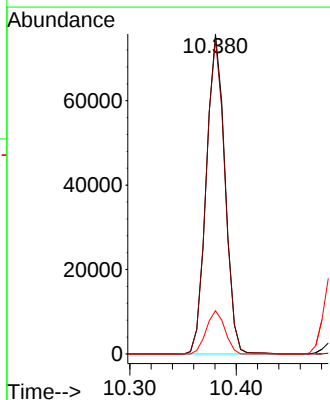
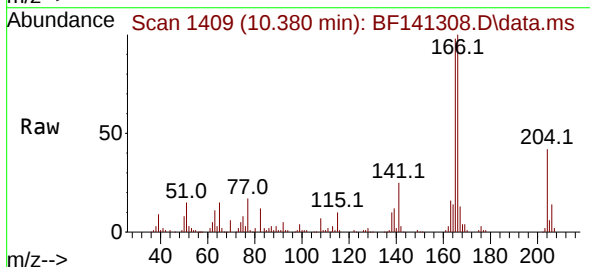
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Supervised By :mohammad
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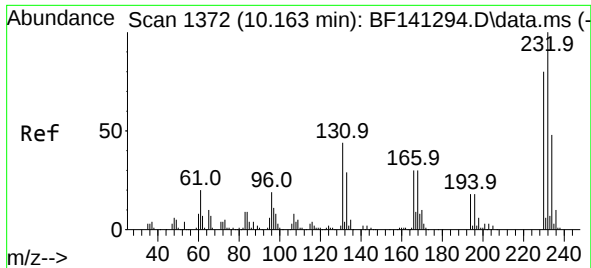
01/31/2025



#58
Fluorene
Concen: 4.475 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

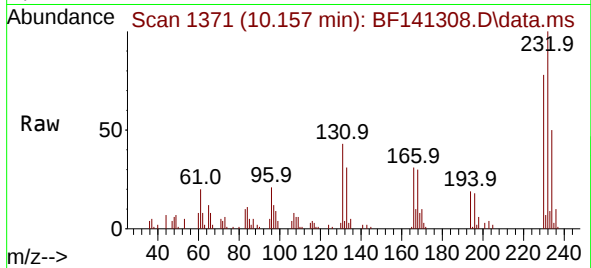
Tgt Ion:166 Resp: 92022
Ion Ratio Lower Upper
166 100
165 98.4 77.5 116.3
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.244 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

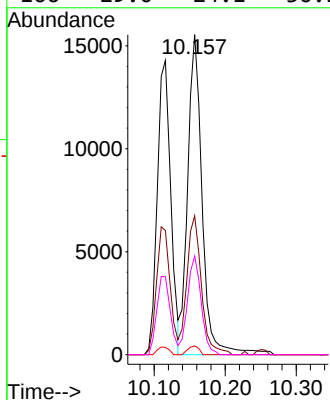
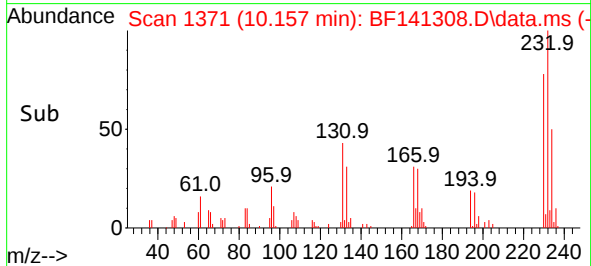
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:232 Resp: 22040
Ion Ratio Lower Upper
232 100
131 43.5 36.4 54.6
130 2.1 1.9 2.9
166 29.0 24.1 36.1

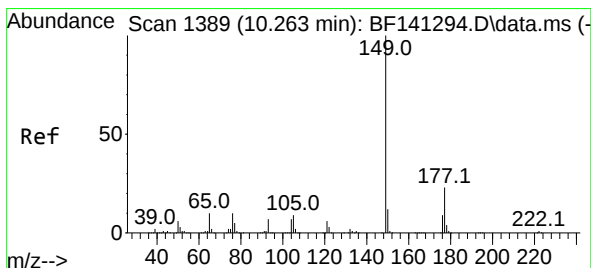
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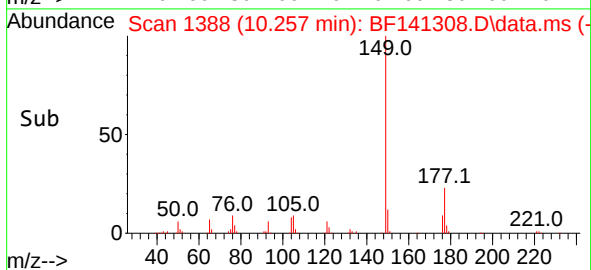
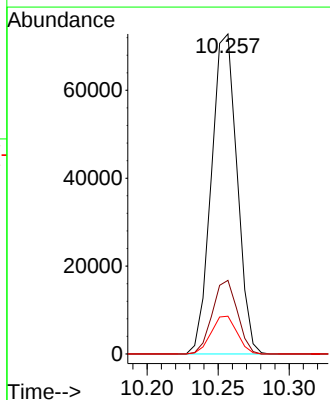
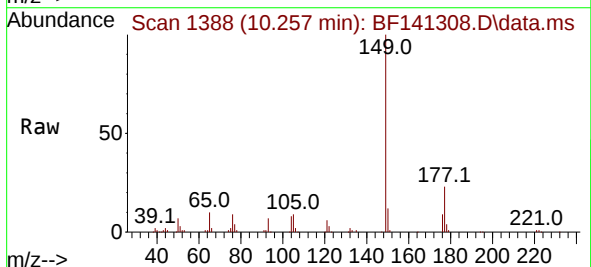
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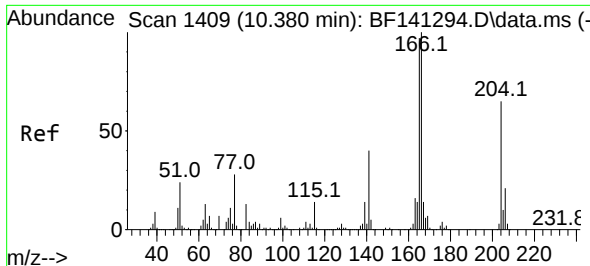
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#60
Diethylphthalate
Concen: 4.297 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

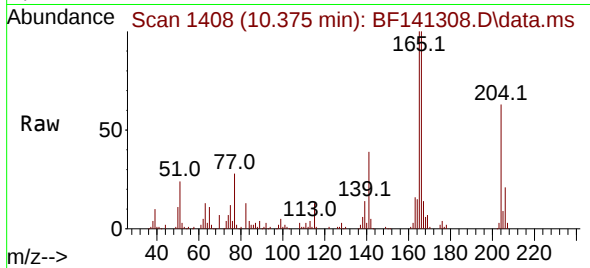
Tgt Ion:149 Resp: 91687
Ion Ratio Lower Upper
149 100
177 23.0 18.5 27.7
150 11.8 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 4.420 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

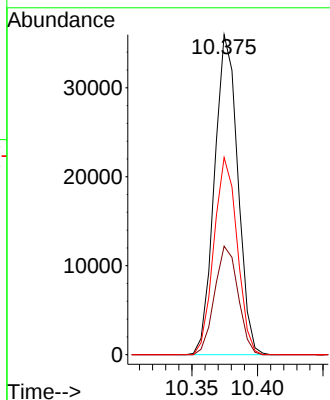
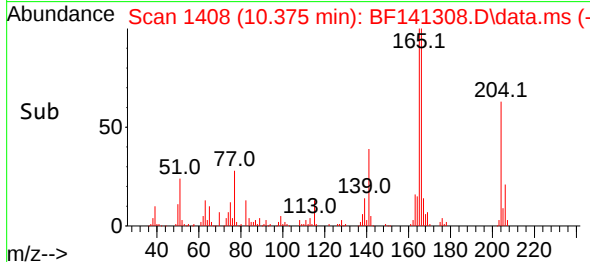
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:204 Resp: 44399
Ion Ratio Lower Upper
204 100
206 33.9 25.9 38.9
141 61.6 49.5 74.3

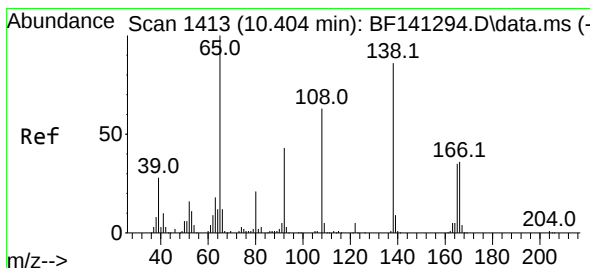
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Supervised By :mohammad ahmed 01/31/2025

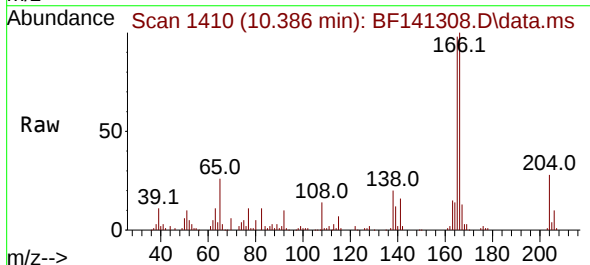


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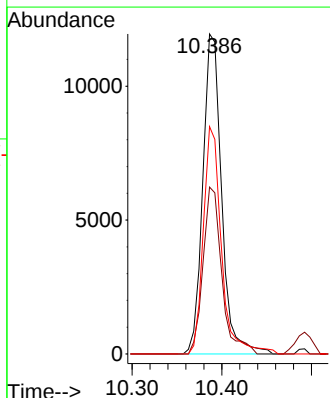
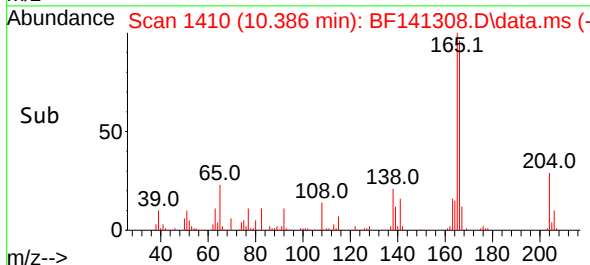
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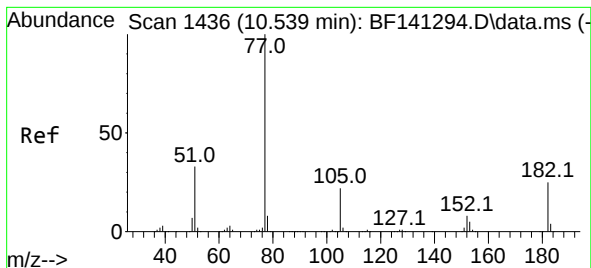


#62
4-Nitroaniline
Concen: 3.532 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.030 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47



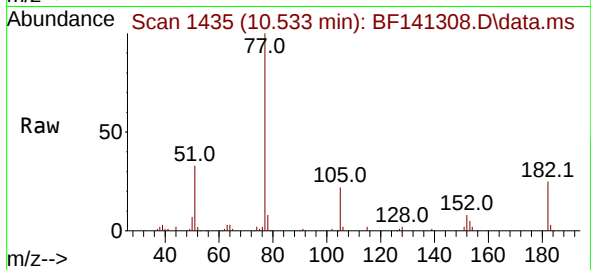
Tgt Ion:138 Resp: 17390
Ion Ratio Lower Upper
138 100
92 52.1 30.1 70.1
108 71.0 53.1 93.1





#63
Azobenzene
Concen: 4.275 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

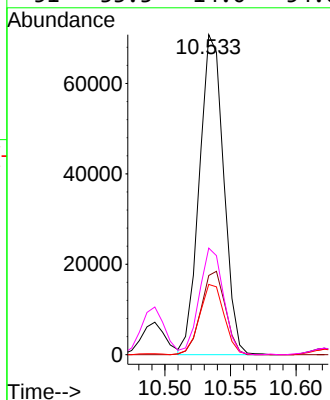
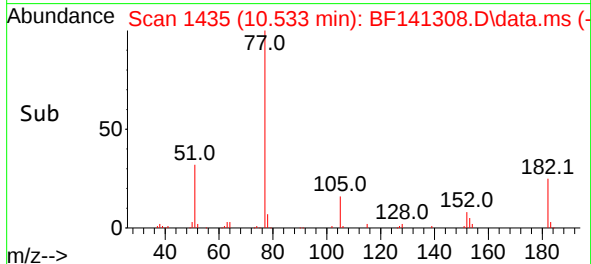
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 77 Resp: 9130
Ion Ratio Lower Upper
77 100
182 24.7 5.1 45.1
105 22.0 1.8 41.8
51 33.3 14.0 54.0

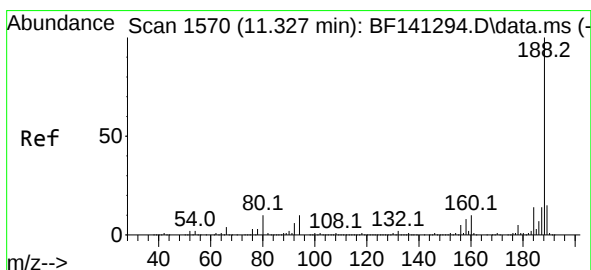
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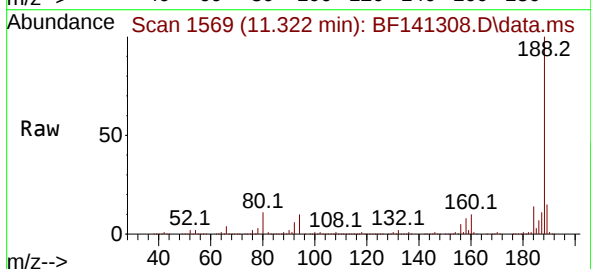


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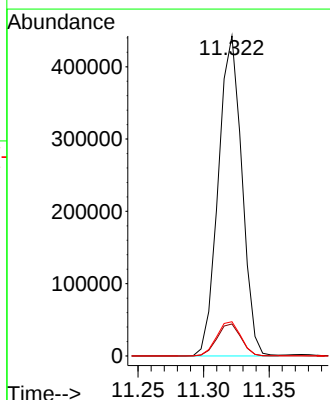
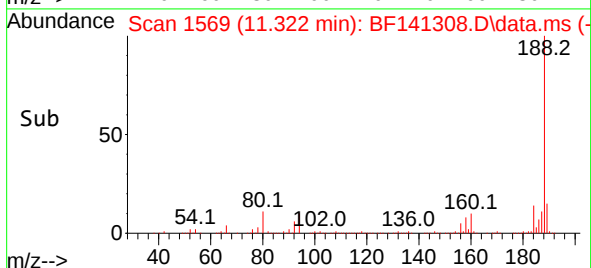
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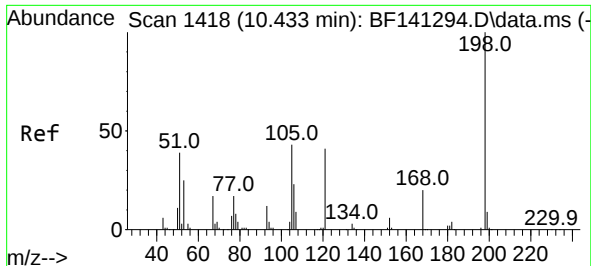


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47



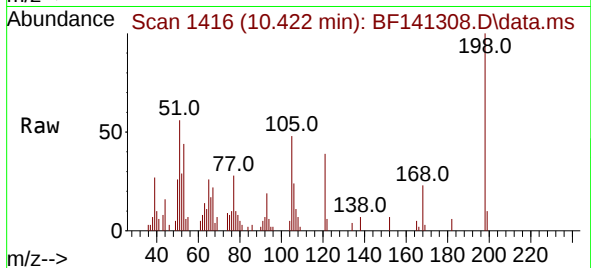
Tgt Ion:188 Resp: 553646
Ion Ratio Lower Upper
188 100
94 10.0 7.8 11.6
80 10.7 8.2 12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 2.797 ng
RT: 10.422 min Scan# 1418
Delta R.T. -0.018 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

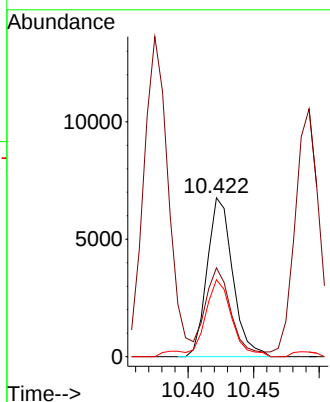
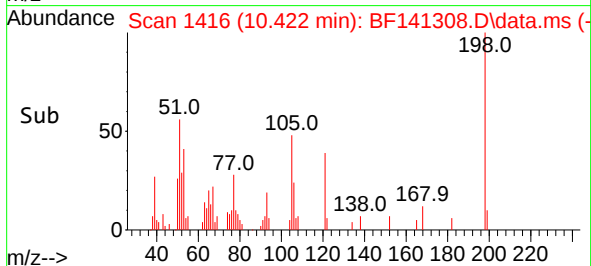
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:198 Resp: 9160
Ion Ratio Lower Upper
198 100
51 55.9 33.4 73.4
105 48.4 24.4 64.4

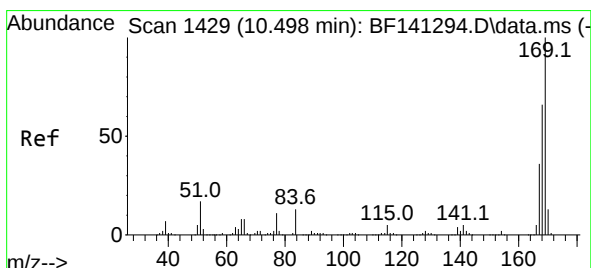
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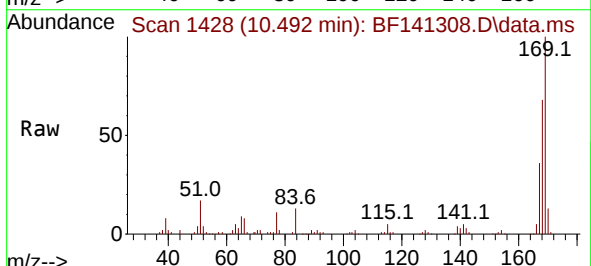


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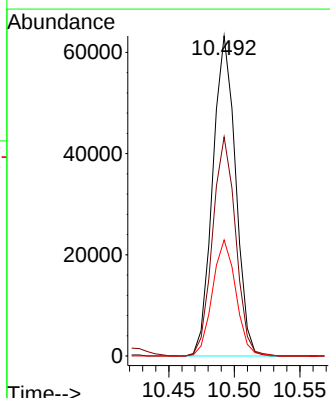
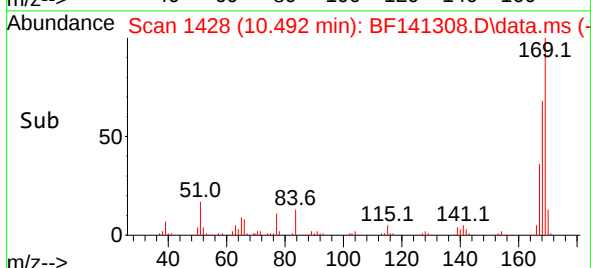
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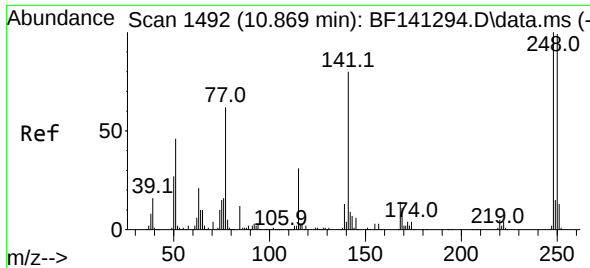


#66
n-Nitrosodiphenylamine
Concen: 4.272 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47



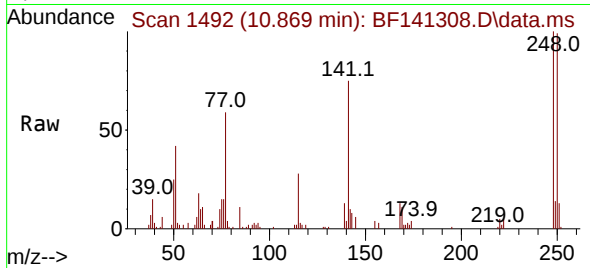
Tgt Ion:169 Resp: 76493
Ion Ratio Lower Upper
169 100
168 68.4 53.0 79.4
167 36.3 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 4.042 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

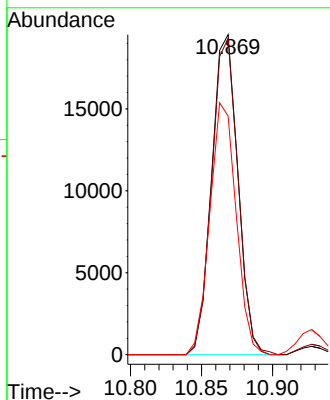
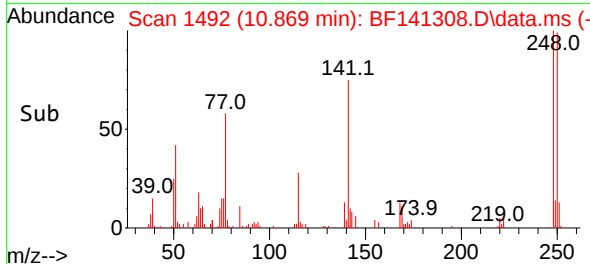
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:248 Resp: 2505
Ion Ratio Lower Upper
248 100
250 98.8 79.0 118.4
141 74.5 63.7 95.5

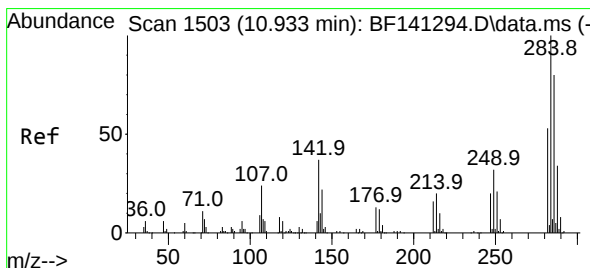
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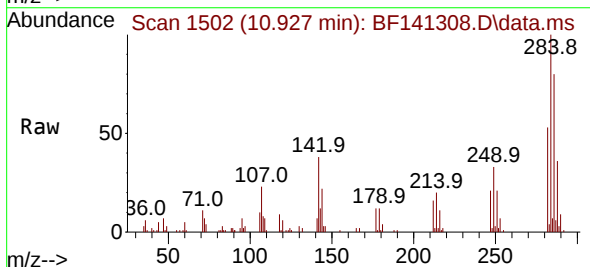


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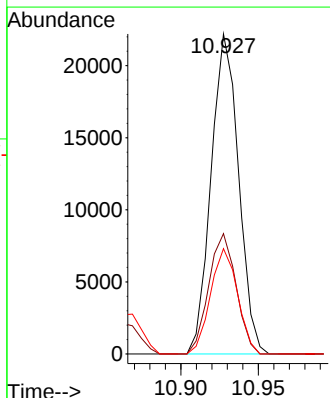
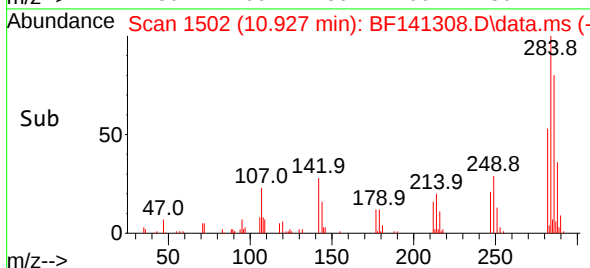
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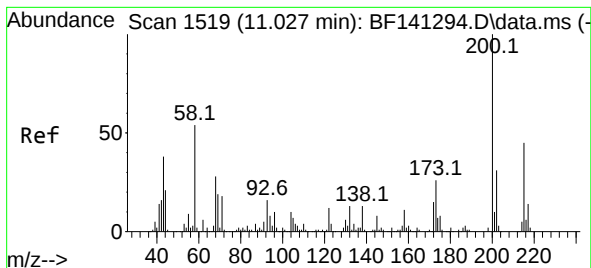


#68
Hexachlorobenzene
Concen: 4.161 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47



Tgt Ion:284 Resp: 27355
Ion Ratio Lower Upper
284 100
142 37.6 29.5 44.3
249 32.9 25.4 38.2





#69

Atrazine

Concen: 4.097 ng

RT: 11.016 min Scan# 1517

Delta R.T. -0.018 min

Lab File: BF141308.D

Acq: 30 Jan 2025 12:47

Instrument :

BNA_F

ClientSampleId :

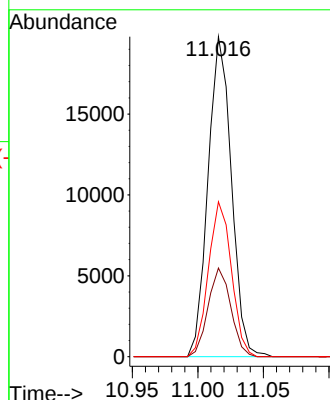
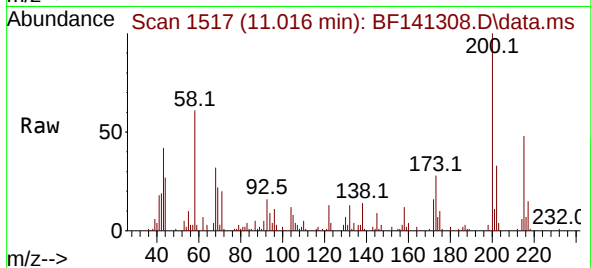
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:200	Resp:	24529
Ion Ratio	Lower	Upper
200	100	
173	27.7	5.9 45.9
215	48.4	25.2 65.2

Manual Integrations

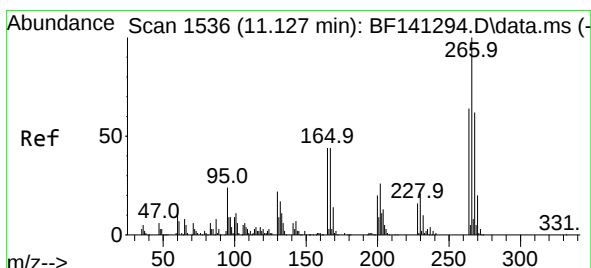
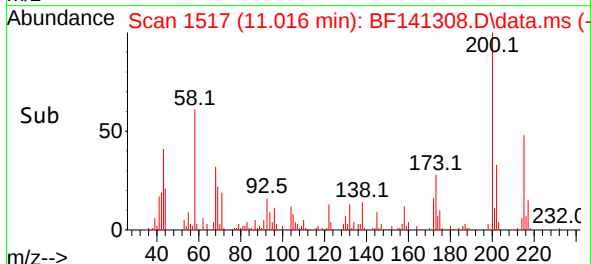
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#70

Pentachlorophenol

Concen: 3.729 ng

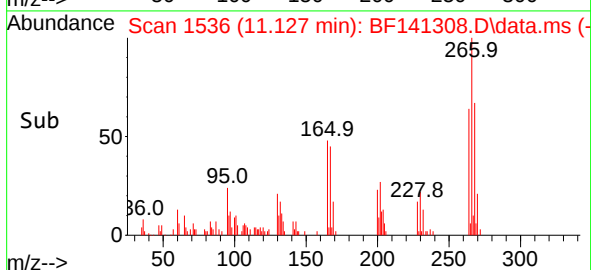
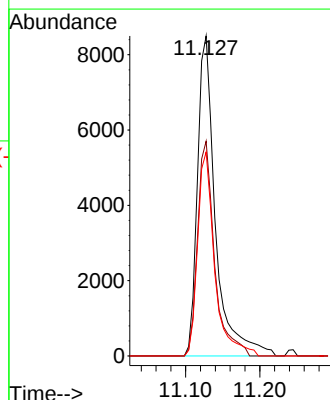
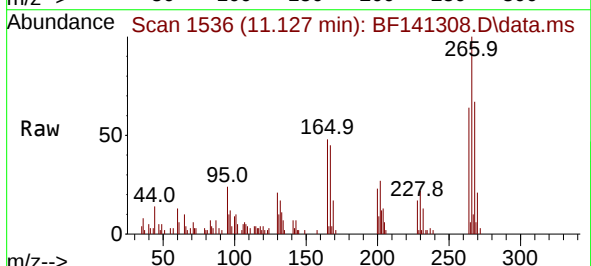
RT: 11.127 min Scan# 1536

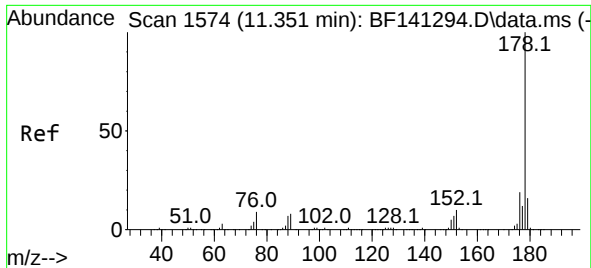
Delta R.T. -0.006 min

Lab File: BF141308.D

Acq: 30 Jan 2025 12:47

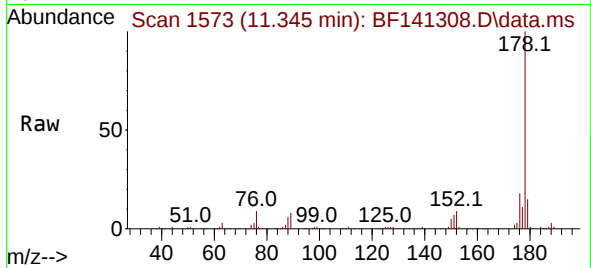
Tgt Ion:266	Resp:	14356
Ion Ratio	Lower	Upper
266	100	
268	67.1	49.9 74.9
264	63.7	51.0 76.4





#71
Phenanthrene
Concen: 4.656 ng
RT: 11.345 min Scan# 11345
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

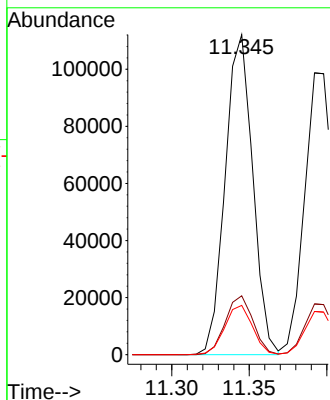
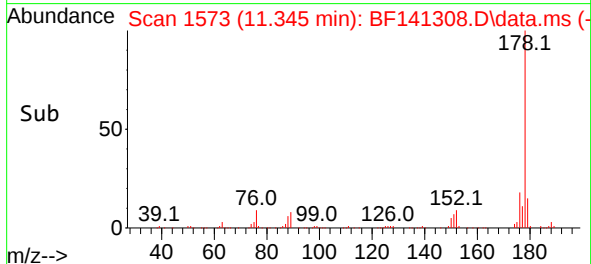
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:178 Resp: 138572
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.4 12.5 18.7

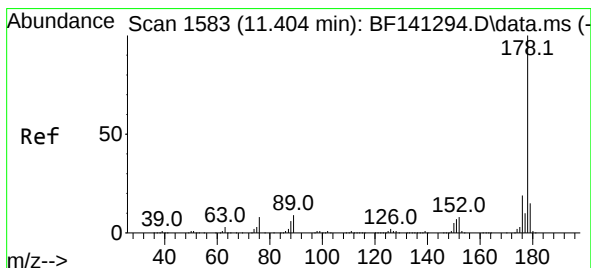
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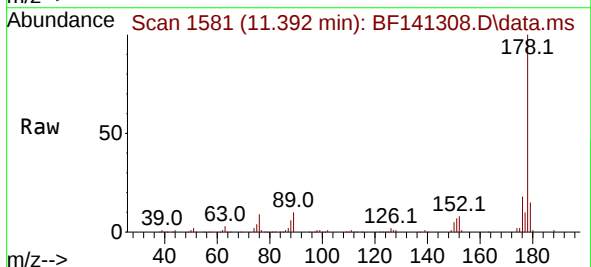


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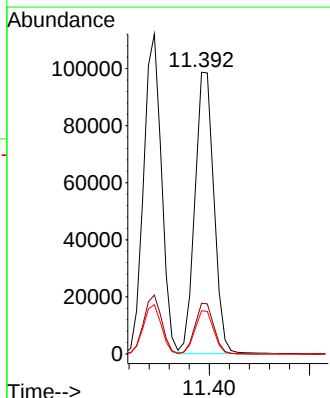
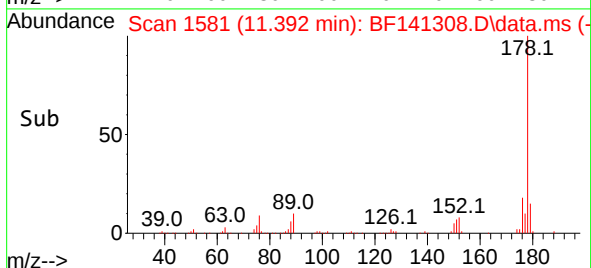
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#72
Anthracene
Concen: 4.471 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47



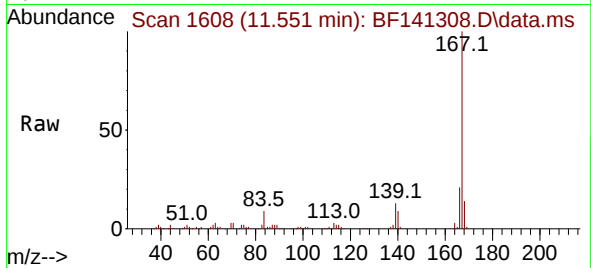
Tgt Ion:178 Resp: 130372
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.6
179 15.3 12.3 18.5





#73
 Carbazole
 Concen: 4.300 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF141308.D
 Acq: 30 Jan 2025 12:47

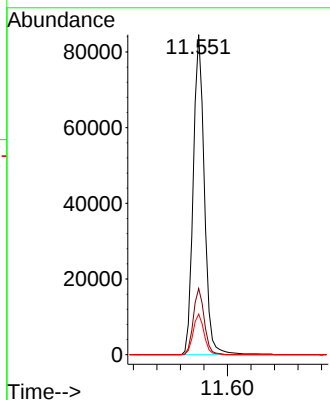
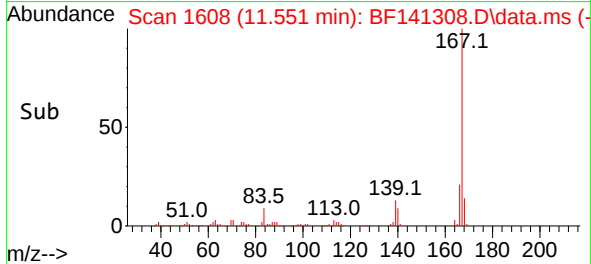
Instrument : BNA_F
 ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:167 Resp: 111188
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.0 25.6
 139 12.7 10.6 16.0

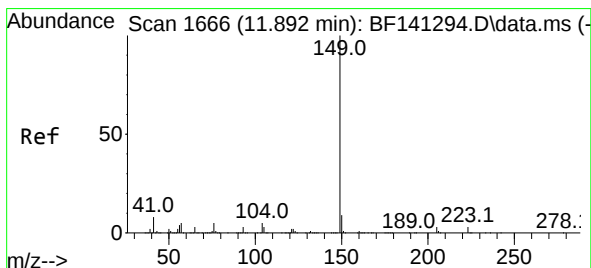
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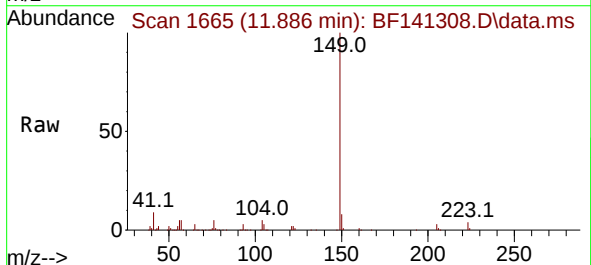


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 Supervised By :mohammad
 ahmed

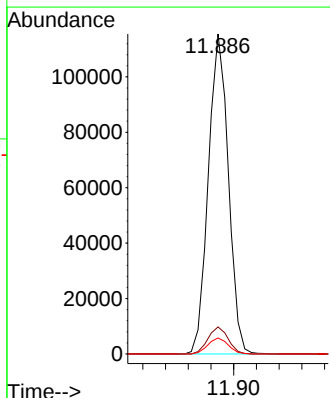
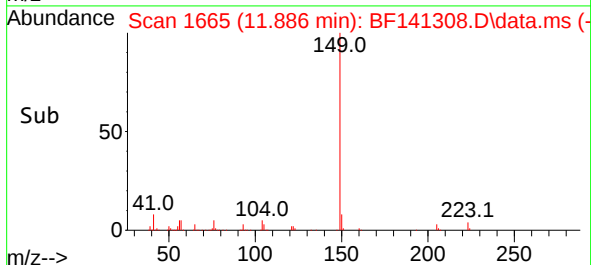
01/31/2025



#74
 Di-n-butylphthalate
 Concen: 4.509 ng
 RT: 11.886 min Scan# 1665
 Delta R.T. -0.006 min
 Lab File: BF141308.D
 Acq: 30 Jan 2025 12:47



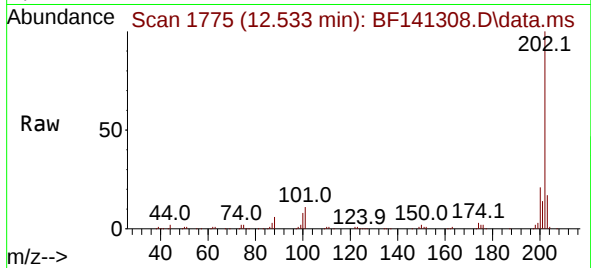
Tgt Ion:149 Resp: 141281
 Ion Ratio Lower Upper
 149 100
 150 8.5 7.4 11.2
 104 5.0 3.9 5.9





#75
Fluoranthene
Concen: 4.436 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

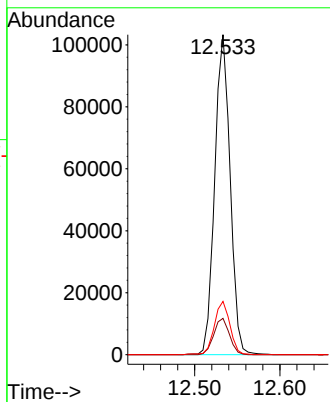
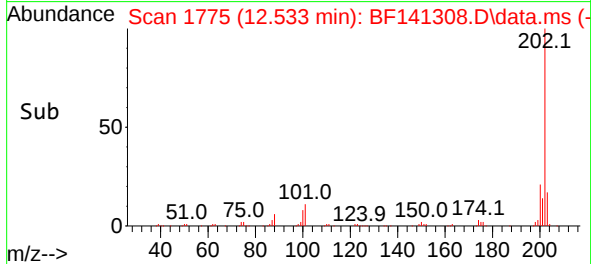
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:202 Resp: 130359
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.7
203 16.7 0.0 37.5

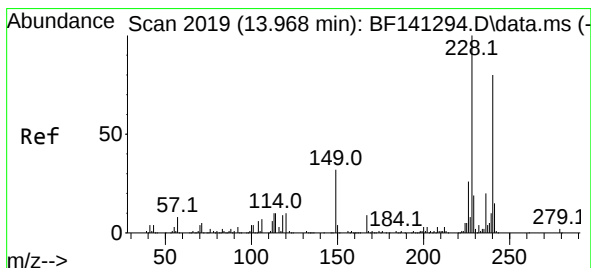
Manual Integrations
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Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

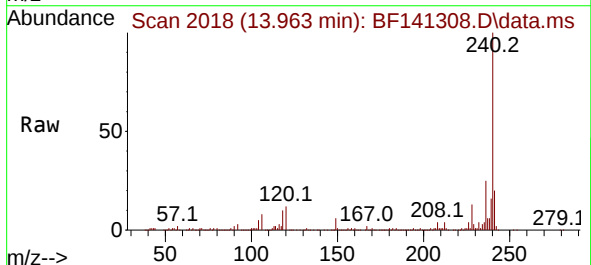


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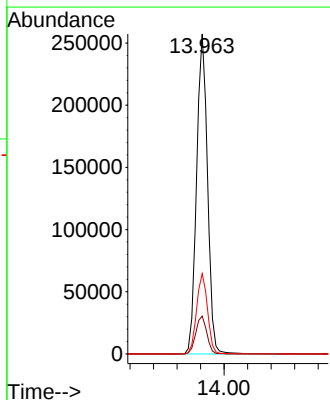
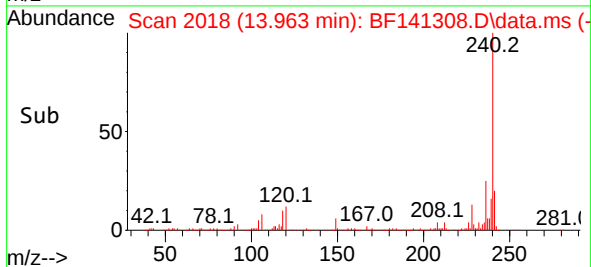
01/31/2025

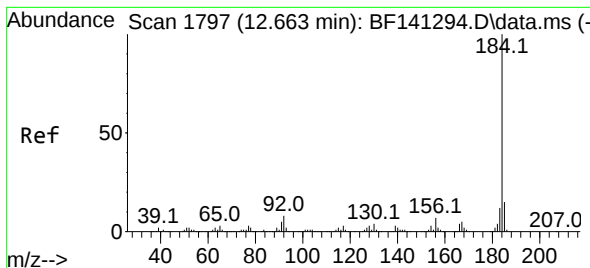


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47



Tgt Ion:240 Resp: 332090
Ion Ratio Lower Upper
240 100
120 11.8 10.0 15.0
236 25.1 19.7 29.5





#77

Benzidine

Concen: 2.100 ng

RT: 12.663 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141308.D

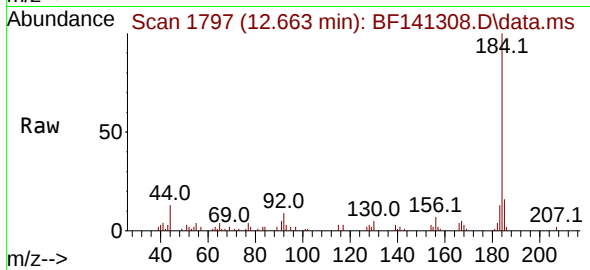
Acq: 30 Jan 2025 12:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

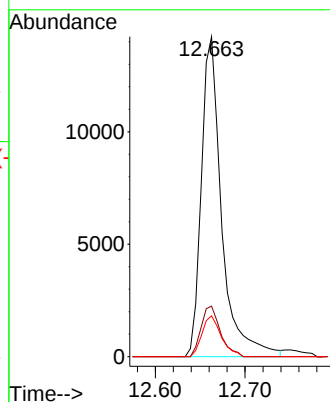
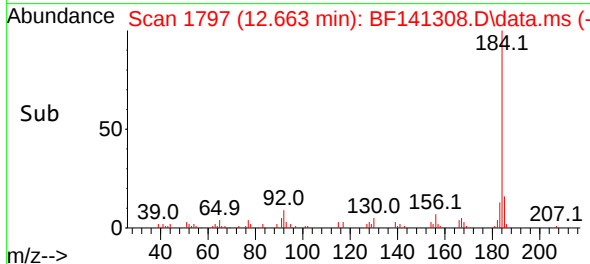


Tgt Ion:	184	Resp:	2235
Ion Ratio	100	Lower	Upper
184	100		
185	15.8	11.9	17.9
183	12.7	9.5	14.3

Manual Integrations

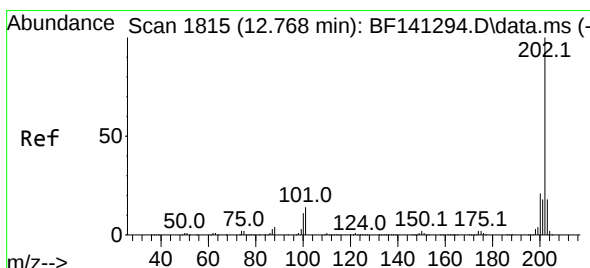
APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
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#78

Pyrene

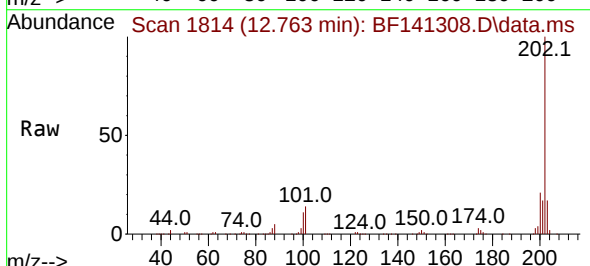
Concen: 4.609 ng

RT: 12.763 min Scan# 1814

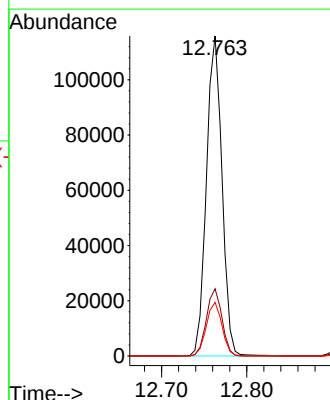
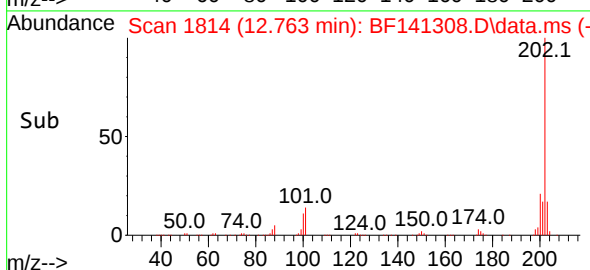
Delta R.T. -0.006 min

Lab File: BF141308.D

Acq: 30 Jan 2025 12:47



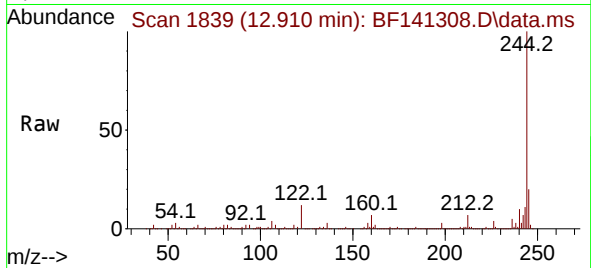
Tgt Ion:	202	Resp:	146932
Ion Ratio	100	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	16.8	14.3	21.5





#79
 Terphenyl-d14
 Concen: 74.561 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF141308.D
 Acq: 30 Jan 2025 12:47

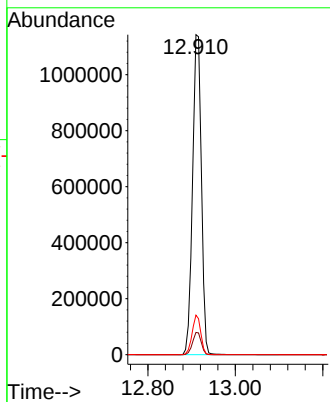
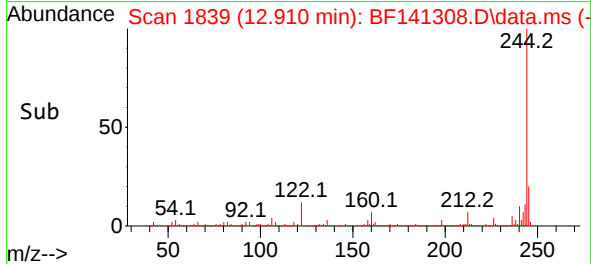
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:244 Resp: 1605578
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 12.3 8.8 13.2

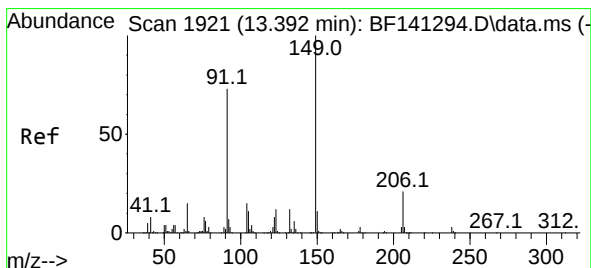
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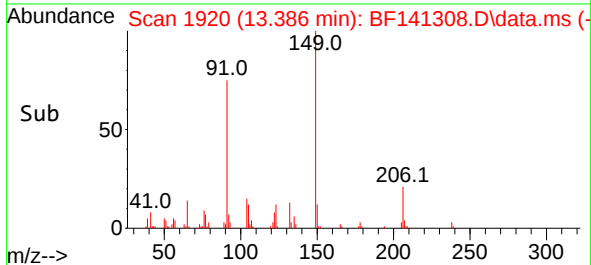
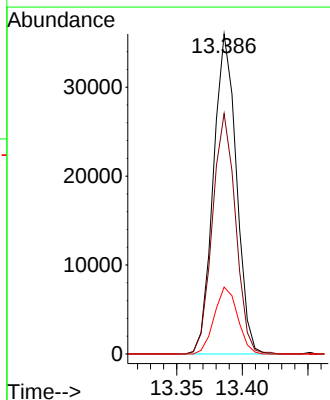
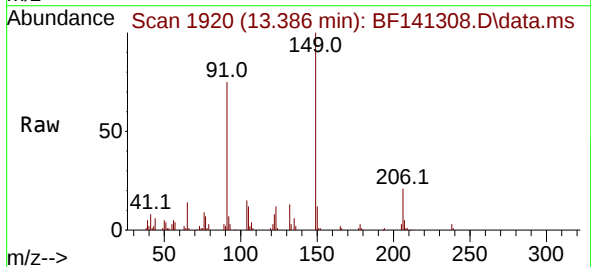
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 ahmed

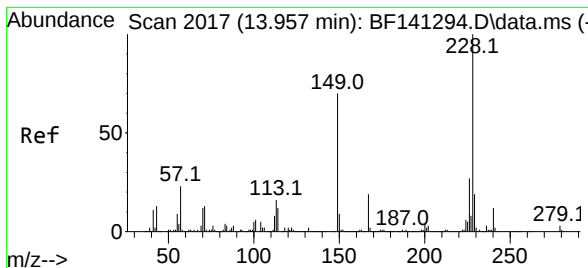
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#80
 Butylbenzylphthalate
 Concen: 3.934 ng
 RT: 13.386 min Scan# 1920
 Delta R.T. -0.006 min
 Lab File: BF141308.D
 Acq: 30 Jan 2025 12:47

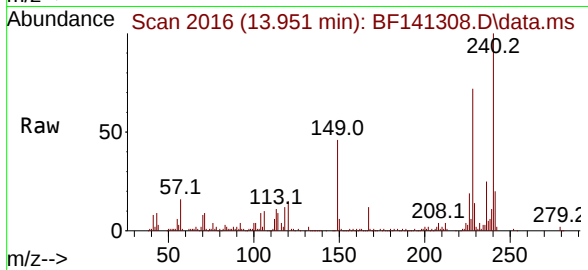
Tgt Ion:149 Resp: 43813
 Ion Ratio Lower Upper
 149 100
 91 75.1 58.6 87.8
 206 20.9 16.7 25.1





#81
Benzo(a)anthracene
Concen: 4.128 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

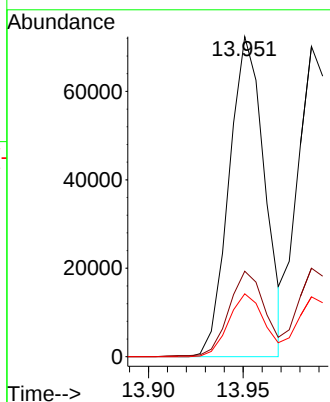
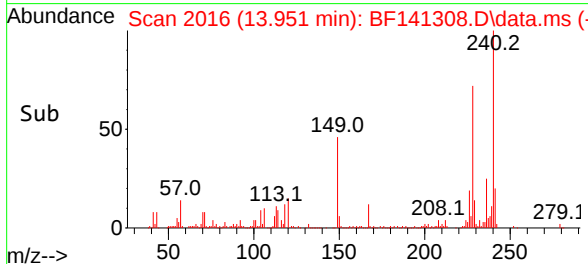
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:228 Resp: 94590
Ion Ratio Lower Upper
228 100
226 26.7 21.4 32.2
229 19.7 15.5 23.3

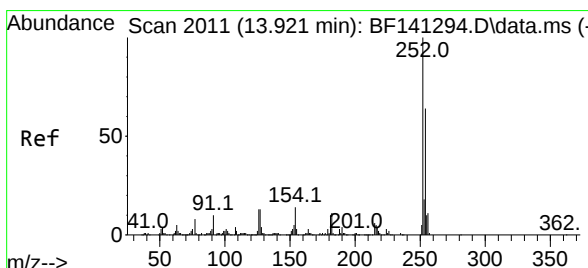
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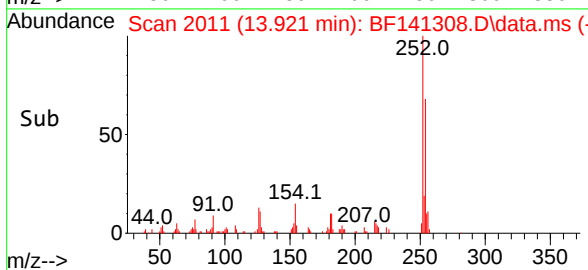
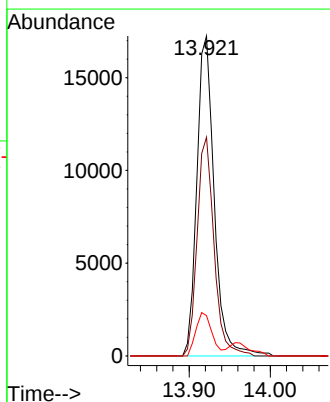
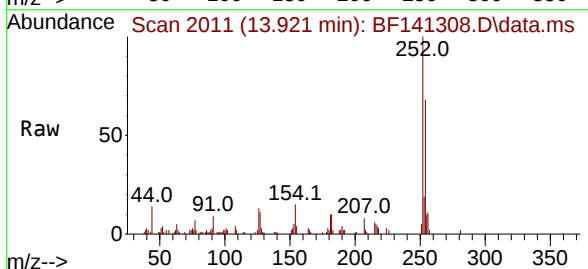
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ahmed

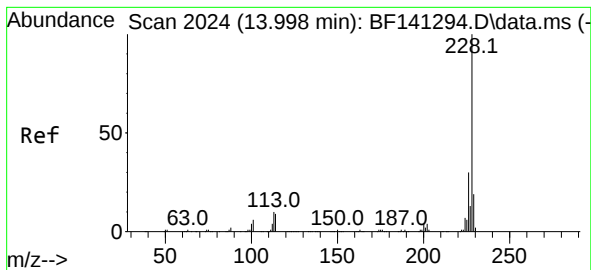
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#82
3,3'-Dichlorobenzidine
Concen: 3.532 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

Tgt Ion:252 Resp: 25741
Ion Ratio Lower Upper
252 100
254 68.3 51.3 76.9
126 12.6 10.0 15.0





#83

Chrysene

Concen: 4.336 ng

RT: 13.986 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF141308.D

Acq: 30 Jan 2025 12:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

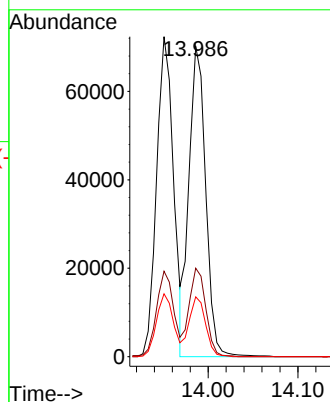
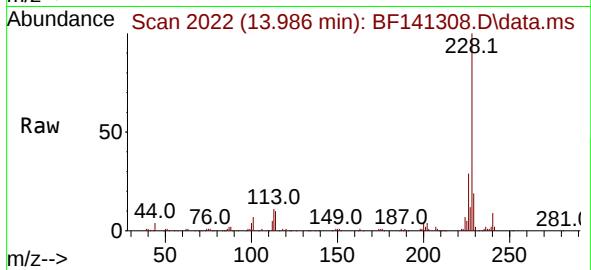
Tgt Ion:228 Resp: 91060

Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.1	36.1
229	19.3	15.6	23.4

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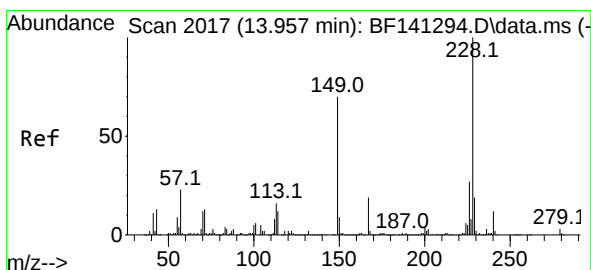
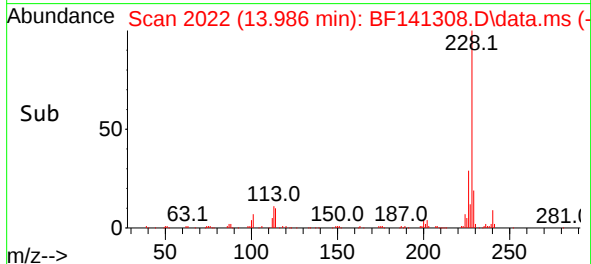
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Supervised By :mohammad ahmed 01/31/2025



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ahmed

01/31/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.119 ng

RT: 13.951 min Scan# 2016

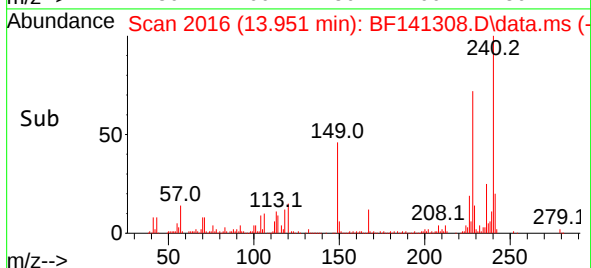
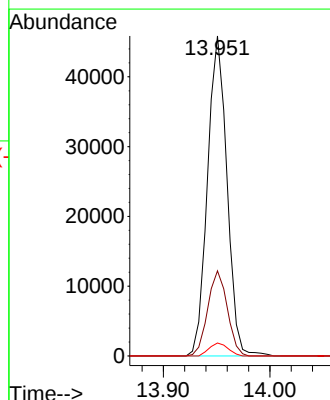
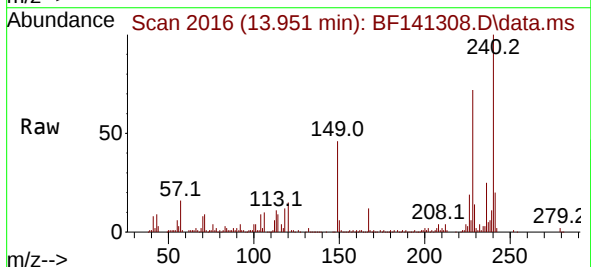
Delta R.T. -0.006 min

Lab File: BF141308.D

Acq: 30 Jan 2025 12:47

Tgt Ion:149 Resp: 58188

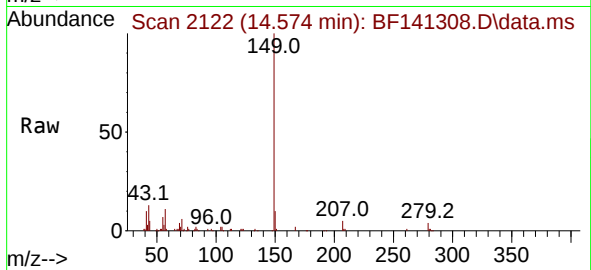
Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.8	32.8
279	4.1	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 3.627 ng
RT: 14.574 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

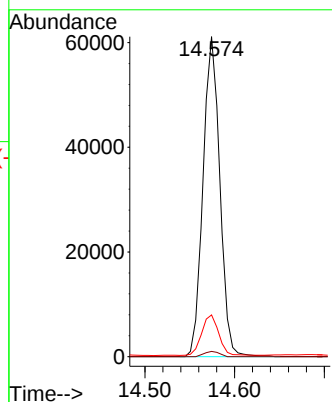
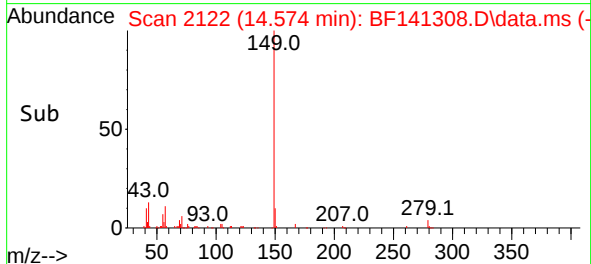
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:149 Resp: 79579
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.7 9.8 14.8

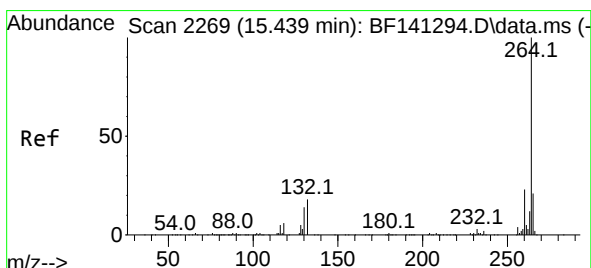
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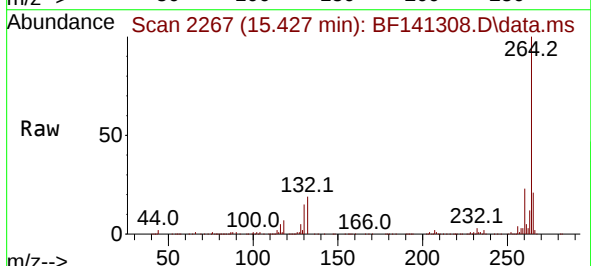


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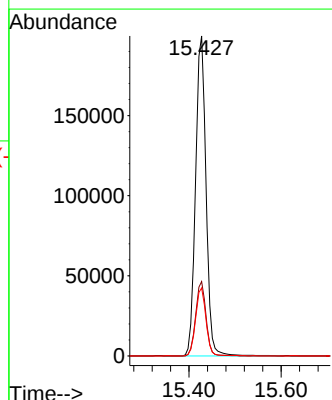
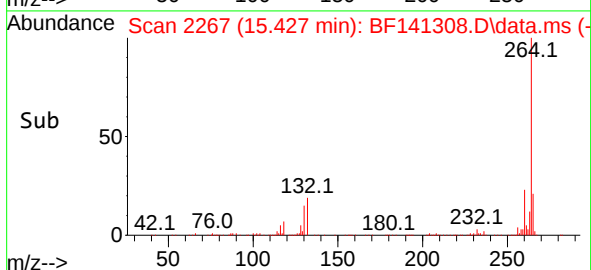
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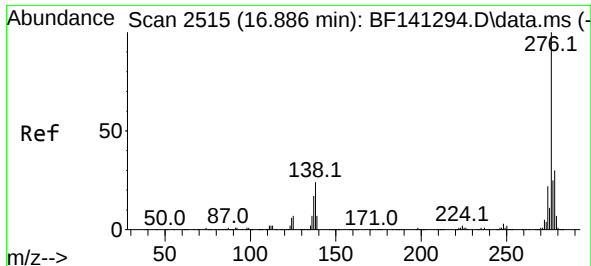


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47



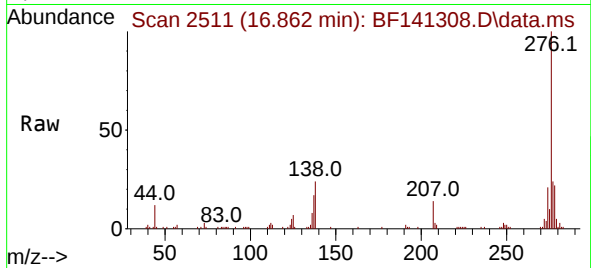
Tgt Ion:264 Resp: 314573
Ion Ratio Lower Upper
264 100
260 23.3 18.6 27.8
265 21.3 16.7 25.1





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.828 ng
 RT: 16.862 min Scan# 2111
 Delta R.T. -0.035 min
 Lab File: BF141308.D
 Acq: 30 Jan 2025 12:47

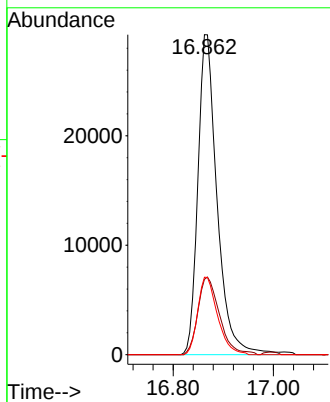
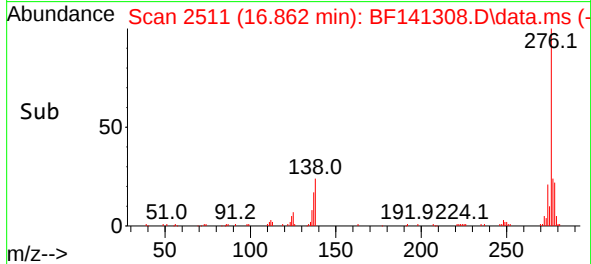
Instrument : BNA_F
 ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:	276	Resp:	77715
Ion Ratio	100	Lower	Upper
276	100		
138	27.3	21.7	32.5
277	24.9	20.3	30.5

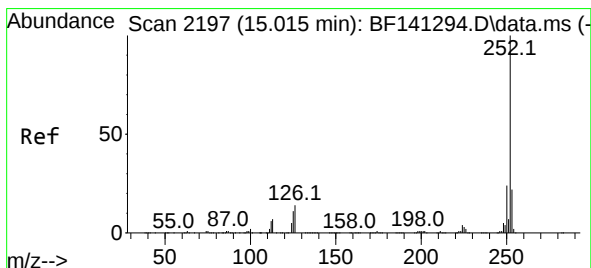
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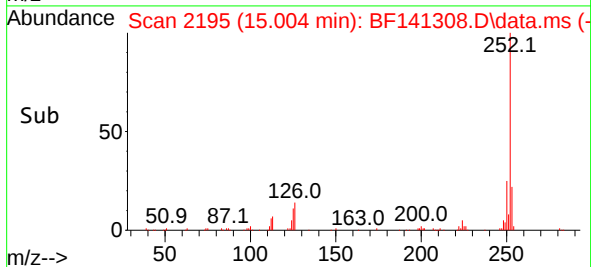
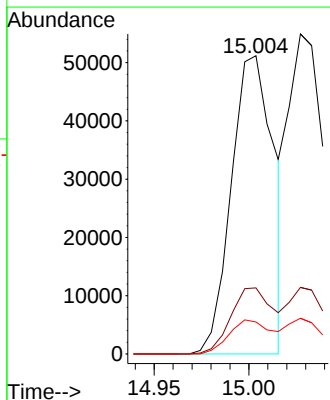
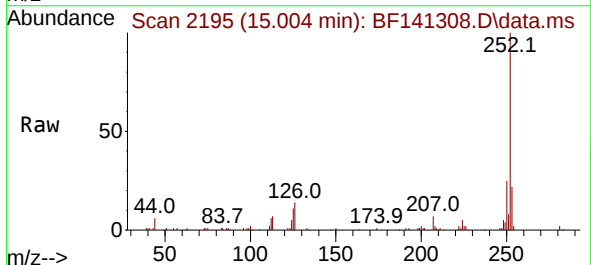
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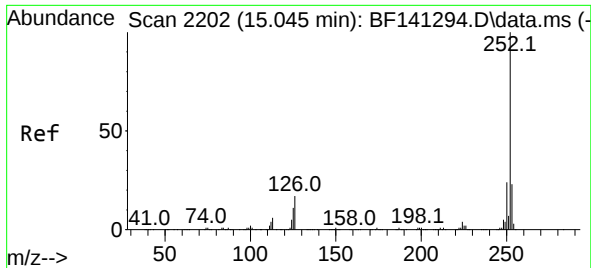
01/31/2025



#88
 Benzo(b)fluoranthene
 Concen: 4.030 ng
 RT: 15.004 min Scan# 2195
 Delta R.T. -0.018 min
 Lab File: BF141308.D
 Acq: 30 Jan 2025 12:47

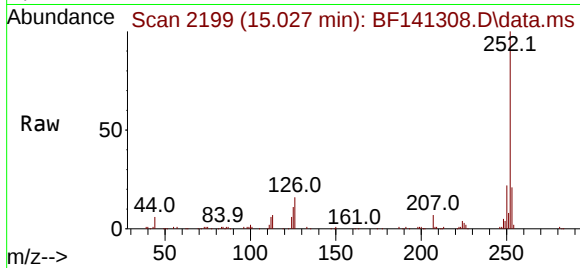
Tgt Ion:	252	Resp:	79734
Ion Ratio	100	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	10.7	8.6	12.8





#89
Benzo(k)fluoranthene
Concen: 4.395 ng
RT: 15.027 min Scan# 2199
Delta R.T. -0.024 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

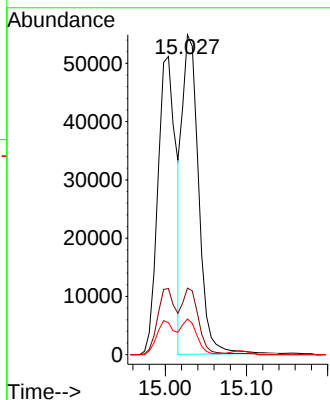
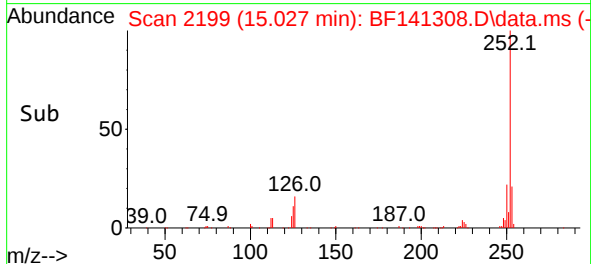
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:252 Resp: 77050
Ion Ratio Lower Upper
252 100
253 20.8 17.6 26.4
125 11.2 8.4 12.6

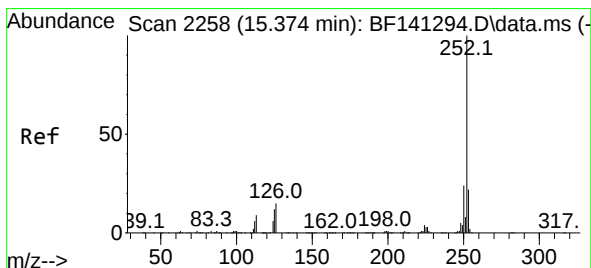
Manual Integrations
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Supervised By :mohammad ahmed 01/31/2025

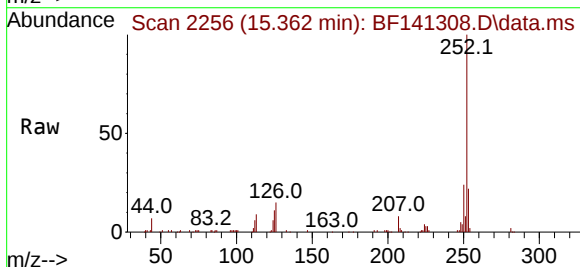


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Supervised By :mohammad
ahmed

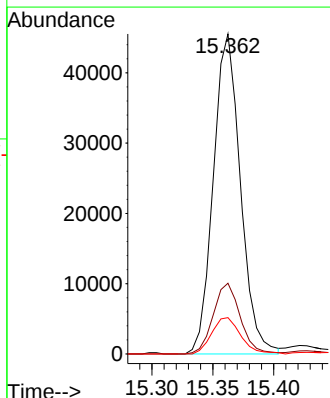
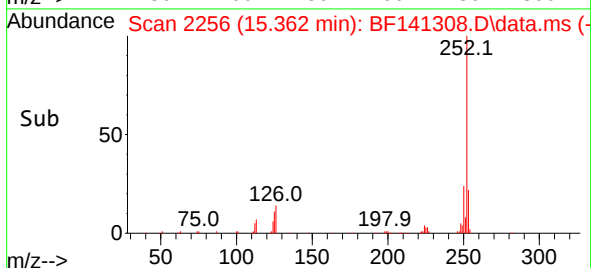
01/31/2025

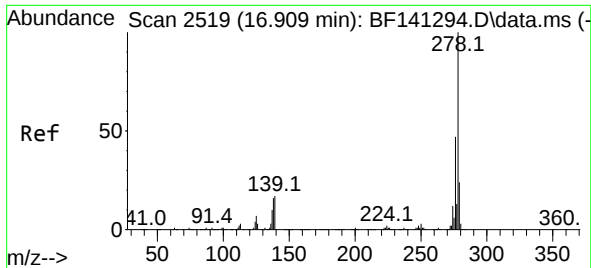


#90
Benzo(a)pyrene
Concen: 4.219 ng
RT: 15.362 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47



Tgt Ion:252 Resp: 70542
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 11.3 9.4 14.2





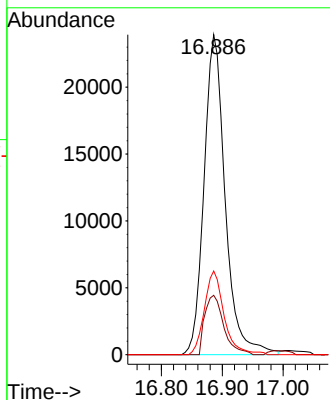
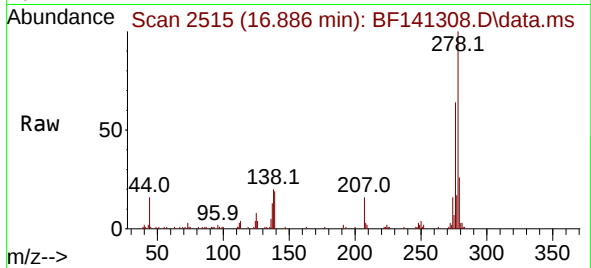
#91
Dibenzo(a,h)anthracene
Concen: 3.540 ng
RT: 16.886 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:278 Resp: 5782
Ion Ratio Lower Upper
278 100
139 18.6 13.9 20.9
279 26.2 18.8 28.2

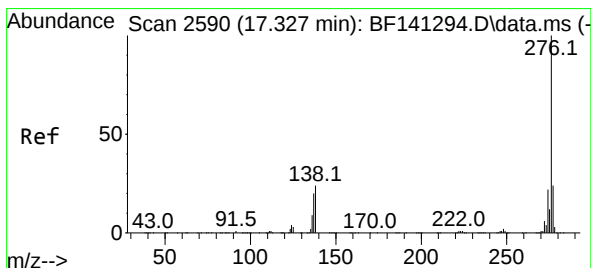
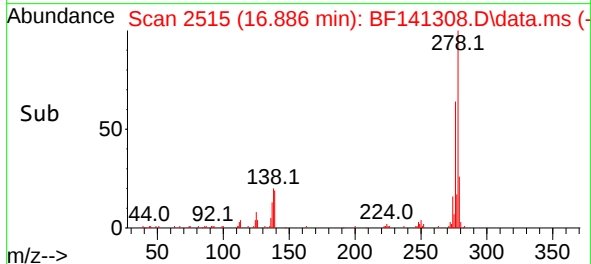
Manual Integrations
APPROVED

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



01/30/2025
Supervised By :mohammad
ahmed

01/31/2025



#92
Benzo(g,h,i)perylene
Concen: 3.580 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141308.D
Acq: 30 Jan 2025 12:47

Tgt Ion:276 Resp: 60803
Ion Ratio Lower Upper
276 100
277 24.0 19.2 28.8
138 24.8 19.0 28.4

