

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011325\
 Data File : BF141129.D
 Acq On : 13 Jan 2025 16:37
 Operator : RC/JU
 Sample : P1187-01
 Misc : LOD-MDL-SOIL 4PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2024

Quant Time: Jan 13 16:57:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/14/2025
 Supervised By :mohammad ahmed 01/14/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	146126	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	568139	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	311193	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	534713	20.000	ng	0.00
76) Chrysene-d12	13.986	240	341829	20.000	ng	0.00
86) Perylene-d12	15.451	264	300003	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1026970	108.568	ng	0.00
7) Phenol-d6	6.446	99	1295104	108.087	ng	0.00
23) Nitrobenzene-d5	7.381	82	878012	81.920	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	415790	117.261	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1611532	79.079	ng	0.00
79) Terphenyl-d14	12.933	244	1748809	76.040	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.540	88	17066	4.051	ng	97
3) Pyridine	3.322	79	36862	3.569	ng	94
4) n-Nitrosodimethylamine	3.210	42	19256	3.812	ng	# 92
6) Aniline	6.481	93	52780	4.961	ng	97
8) 2-Chlorophenol	6.604	128	41641	4.103	ng	95
9) Benzaldehyde	6.369	77	34853	4.939	ng	98
10) Phenol	6.457	94	52175	4.068	ng	# 74
11) bis(2-Chloroethyl)ether	6.551	93	40063	4.191	ng	95
12) 1,3-Dichlorobenzene	6.757	146	45941	4.059	ng	97
13) 1,4-Dichlorobenzene	6.834	146	45915	4.026	ng	99
14) 1,2-Dichlorobenzene	6.993	146	43362	4.076	ng	97
15) Benzyl Alcohol	6.957	79	45653	5.276	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.093	45	55351	4.150	ng	98
17) 2-Methylphenol	7.063	107	32413	3.956	ng	99
18) Hexachloroethane	7.334	117	16453	3.989	ng	96
19) n-Nitroso-di-n-propyla...	7.222	70	29265	4.146	ng	99
20) 3+4-Methylphenols	7.216	107	42721	4.133	ng	# 77
22) Acetophenone	7.222	105	61403	4.546	ng	99
24) Nitrobenzene	7.398	77	47601	4.261	ng	99
25) Isophorone	7.634	82	77456	4.229	ng	99
26) 2-Nitrophenol	7.716	139	18985	3.736	ng	97
27) 2,4-Dimethylphenol	7.745	122	18678m	2.725	ng	
28) bis(2-Chloroethoxy)met...	7.845	93	46911	4.081	ng	97
29) 2,4-Dichlorophenol	7.951	162	31707	3.895	ng	99
30) 1,2,4-Trichlorobenzene	8.040	180	37774	4.060	ng	97
31) Naphthalene	8.122	128	126498	4.222	ng	99
32) Benzoic acid	7.787	122	14988	2.280	ng	96
33) 4-Chloroaniline	8.169	127	46274	4.466	ng	99
34) Hexachlorobutadiene	8.240	225	21774	3.884	ng	99
35) Caprolactam	8.487	113	9415	3.533	ng	85
36) 4-Chloro-3-methylphenol	8.640	107	35414	3.978	ng	99
37) 2-Methylnaphthalene	8.810	142	81456	4.266	ng	100
38) 1-Methylnaphthalene	8.910	142	75866	4.032	ng	99
40) 1,2,4,5-Tetrachloroben...	8.975	216	38570	4.318	ng	98
41) Hexachlorocyclopentadiene	8.969	237	9491	3.248	ng	99
43) 2,4,6-Trichlorophenol	9.087	196	22628	3.756	ng	96

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 LOD-MDL-SOIL-01-QT1-2024

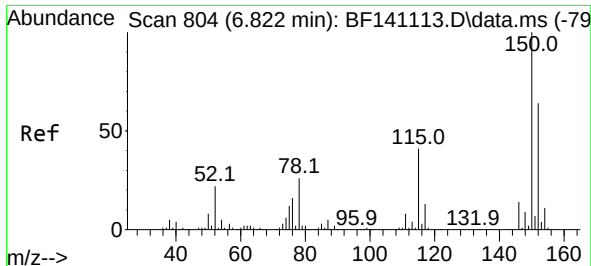
Quant Time: Jan 13 16:57:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
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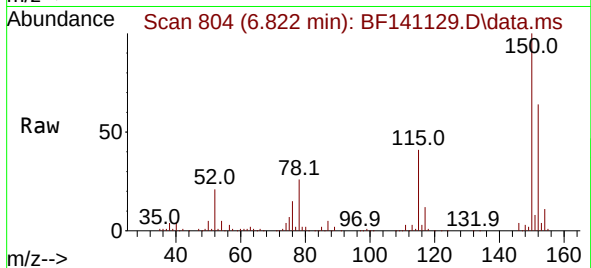
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	24484	3.848	ng	98
46) 1,1'-Biphenyl	9.275	154	109244	4.520	ng	98
47) 2-Chloronaphthalene	9.298	162	77355	4.110	ng	97
48) 2-Nitroaniline	9.392	65	20450	3.665	ng	97
49) Acenaphthylene	9.716	152	116715	4.340	ng	99
50) Dimethylphthalate	9.569	163	87108	4.170	ng	99
51) 2,6-Dinitrotoluene	9.634	165	17633	3.629	ng	96
52) Acenaphthene	9.886	154	75823	4.036	ng	98
53) 3-Nitroaniline	9.798	138	19030	3.855	ng	96
55) Dibenzofuran	10.057	168	108873	4.260	ng	99
56) 4-Nitrophenol	9.951	139	12414	3.211	ng	96
57) 2,4-Dinitrotoluene	10.034	165	23549	3.761	ng	99
58) Fluorene	10.404	166	85312	4.297	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.175	232	20179	3.816	ng	97
60) Diethylphthalate	10.275	149	84967	4.166	ng	100
61) 4-Chlorophenyl-phenyle...	10.398	204	41641	4.303	ng	99
62) 4-Nitroaniline	10.404	138	17205	3.561	ng	97
63) Azobenzene	10.557	77	82857	4.117	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	7834	2.528	ng	89
66) n-Nitrosodiphenylamine	10.510	169	71996	4.174	ng	99
67) 4-Bromophenyl-phenylether	10.886	248	25048	4.069	ng	98
68) Hexachlorobenzene	10.951	284	28590	4.172	ng	98
69) Atrazine	11.033	200	23021	4.957	ng	96
70) Pentachlorophenol	11.139	266	13548	3.087	ng	98
71) Phenanthrene	11.363	178	124364	4.332	ng	99
72) Anthracene	11.416	178	120857	4.330	ng	99
73) Carbazole	11.569	167	107085	4.184	ng	98
74) Di-n-butylphthalate	11.910	149	121174	4.137	ng	100
75) Fluoranthene	12.551	202	120970	4.223	ng	99
77) Benzidine	12.680	184	28100	4.433	ng	97
78) Pyrene	12.780	202	125506	3.844	ng	98
80) Butylbenzylphthalate	13.410	149	39853	3.661	ng	95
81) Benzo(a)anthracene	13.974	228	96104	4.131	ng	100
82) 3,3'-Dichlorobenzidine	13.939	252	25662	3.464	ng	96
83) Chrysene	14.010	228	87448	4.017	ng	99
84) Bis(2-ethylhexyl)phtha...	13.974	149	51243	3.923	ng	100
85) Di-n-octyl phthalate	14.598	149	64115	3.251	ng	99
87) Indeno(1,2,3-cd)pyrene	16.898	276	80146	3.646	ng	98
88) Benzo(b)fluoranthene	15.027	252	70025	3.620	ng	100
89) Benzo(k)fluoranthene	15.057	252	74800	4.575	ng	99
90) Benzo(a)pyrene	15.392	252	63378	3.971	ng	99
91) Dibenzo(a,h)anthracene	16.921	278	64023	3.601	ng	97
92) Benzo(g,h,i)perylene	17.333	276	65037	3.517	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

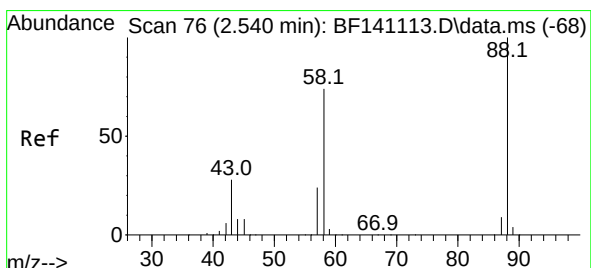
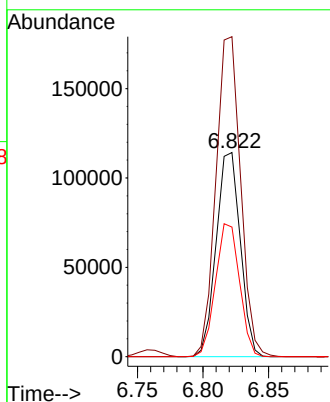
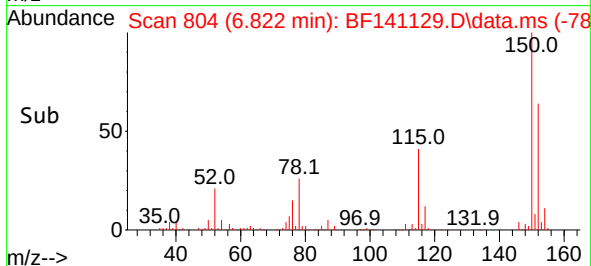
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:152 Resp: 146120
Ion Ratio Lower Upper
152 100
150 156.8 125.8 188.8
115 63.5 51.4 77.2

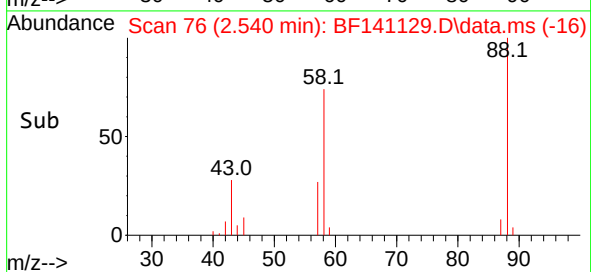
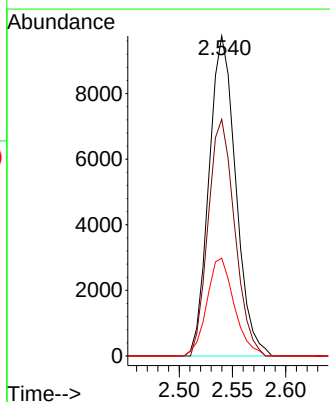
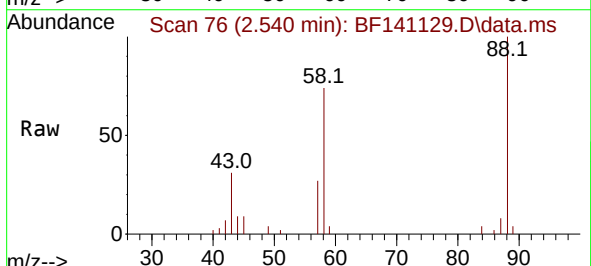
Manual Integrations
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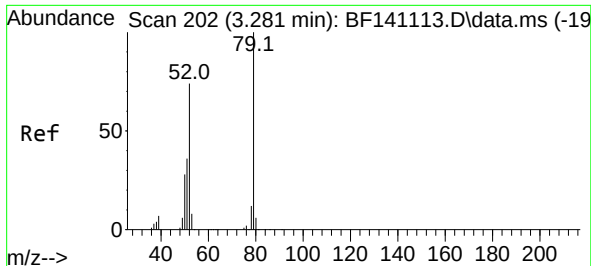
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#2
1,4-Dioxane
Concen: 4.051 ng
RT: 2.540 min Scan# 76
Delta R.T. 0.000 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

Tgt Ion: 88 Resp: 17066
Ion Ratio Lower Upper
88 100
58 73.1 60.1 90.1
43 31.2 23.1 34.7





#3

Pyridine

Concen: 3.569 ng

RT: 3.322 min Scan# 20

Delta R.T. 0.041 min

Lab File: BF141129.D

Acq: 13 Jan 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 79 Resp: 3686

Ion Ratio Lower Upper

79 100

52 67.5 58.9 88.3

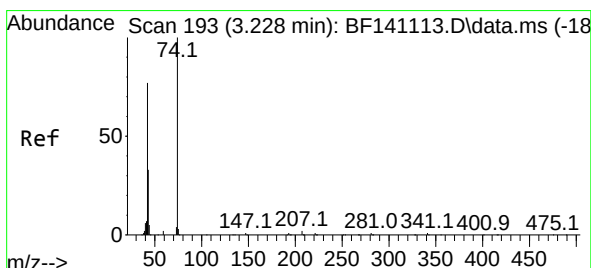
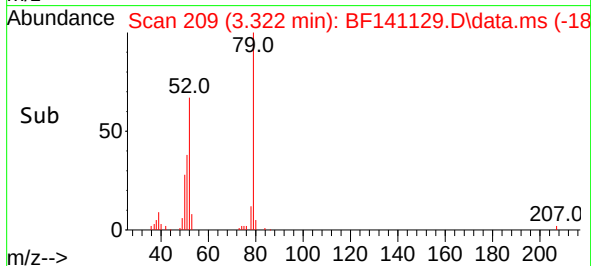
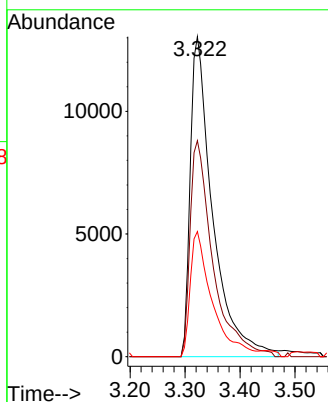
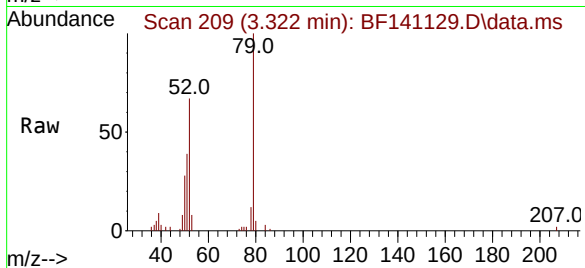
51 39.1 29.1 43.7

Manual Integrations

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Supervised By :mohammad ahmed 01/14/2025



#4

n-Nitrosodimethylamine

Concen: 3.812 ng

RT: 3.210 min Scan# 190

Delta R.T. -0.018 min

Lab File: BF141129.D

Acq: 13 Jan 2025 16:37

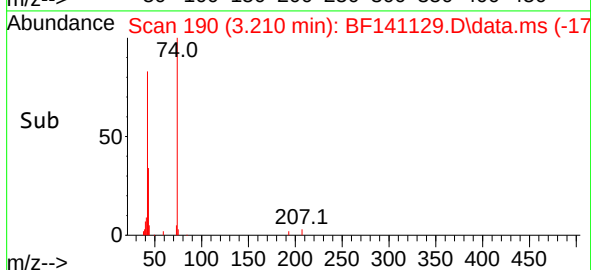
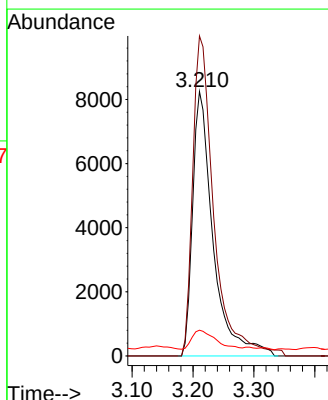
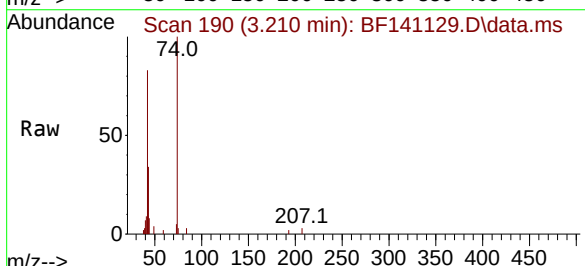
Tgt Ion: 42 Resp: 19256

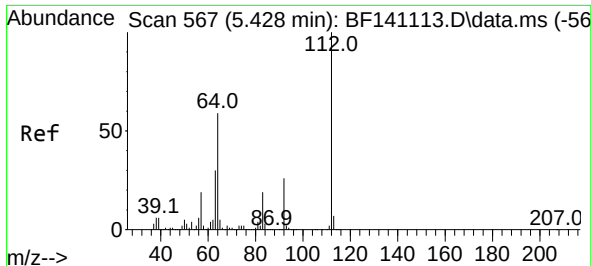
Ion Ratio Lower Upper

42 100

74 121.0 103.8 155.6

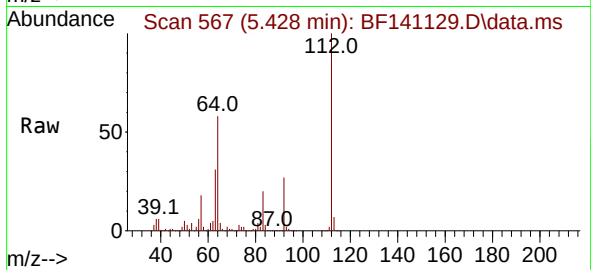
44 9.8 5.3 7.9#





#5
2-Fluorophenol
Concen: 108.568 ng
RT: 5.428 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

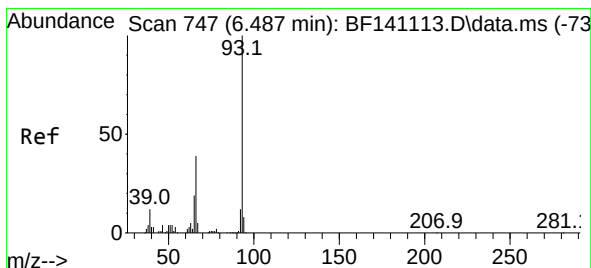
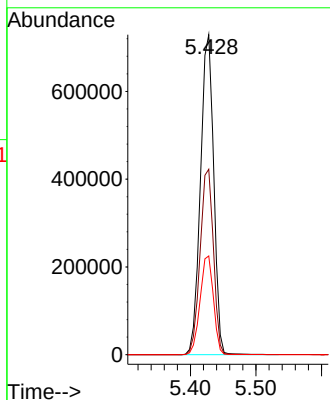
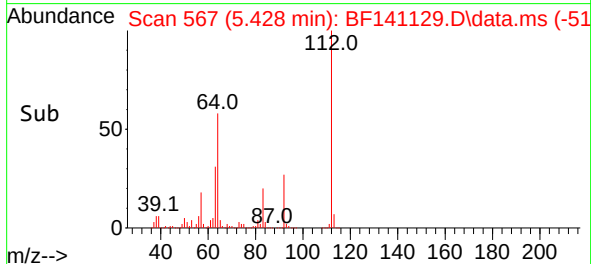
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



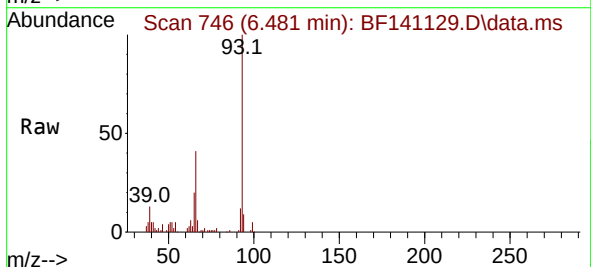
Tgt Ion: 112 Resp: 1026970
Ion Ratio Lower Upper
112 100
64 57.9 47.3 70.9
63 30.9 24.2 36.2

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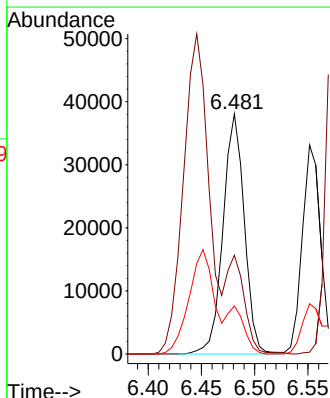
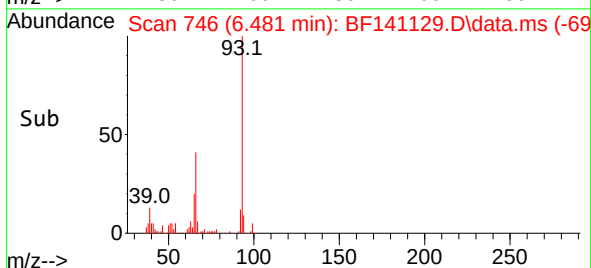
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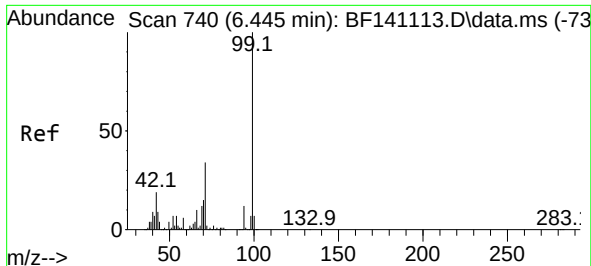


#6
Aniline
Concen: 4.961 ng
RT: 6.481 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37



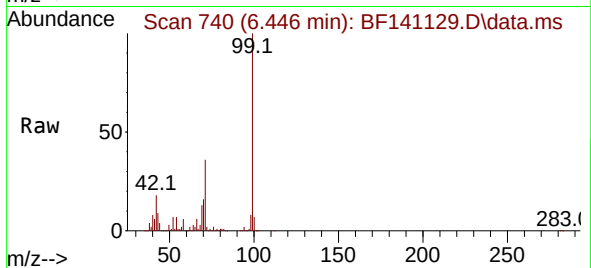
Tgt Ion: 93 Resp: 52780
Ion Ratio Lower Upper
93 100
66 41.1 31.5 47.3
65 20.0 15.3 22.9





#7
Phenol-d6
Concen: 108.087 ng
RT: 6.446 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

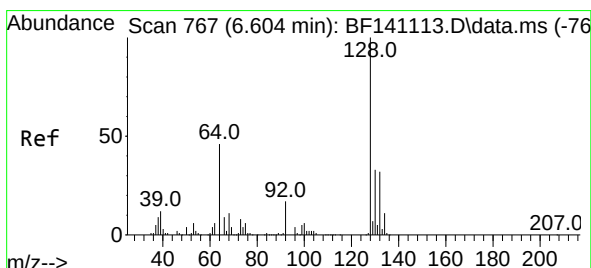
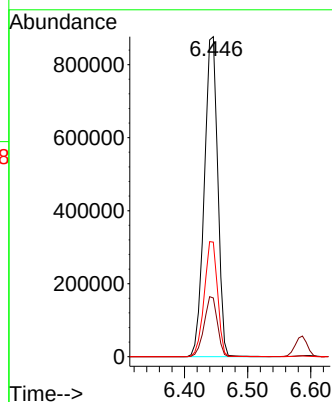
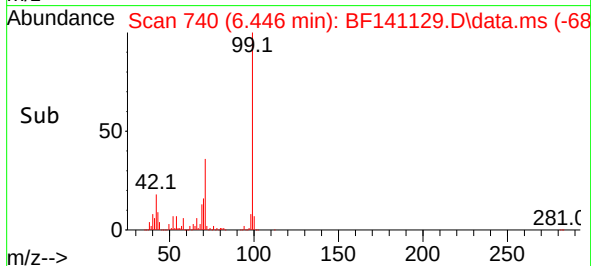
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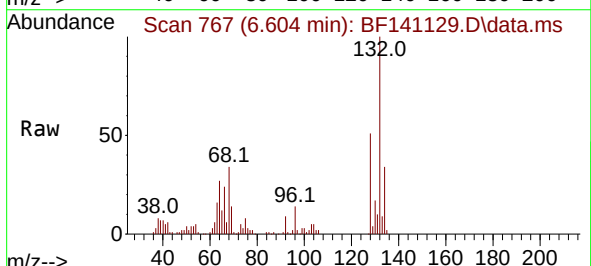
Tgt Ion: 99 Resp: 1295104
Ion Ratio Lower Upper
99 100
42 18.4 15.0 22.4
71 35.8 27.6 41.4

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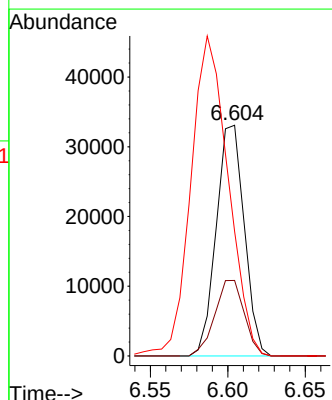
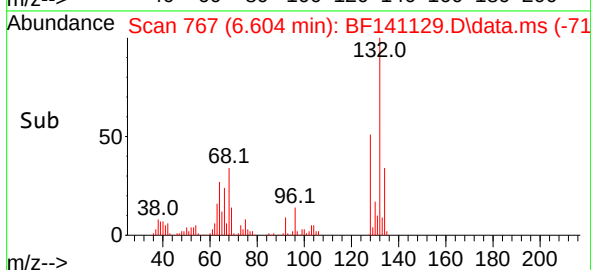
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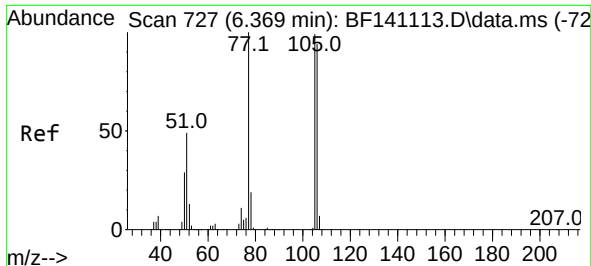


#8
2-Chlorophenol
Concen: 4.103 ng
RT: 6.604 min Scan# 767
Delta R.T. 0.000 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37



Tgt Ion:128 Resp: 41641
Ion Ratio Lower Upper
128 100
130 32.7 12.5 52.5
64 54.0 28.3 68.3





#9

Benzaldehyde

Concen: 4.939 ng

RT: 6.369 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141129.D

Acq: 13 Jan 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

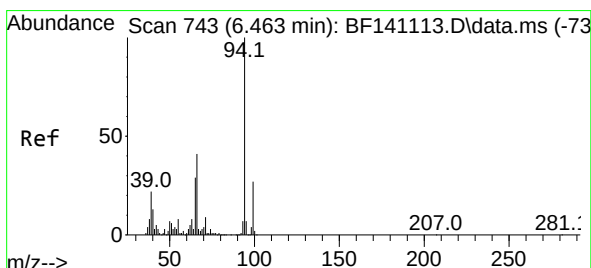
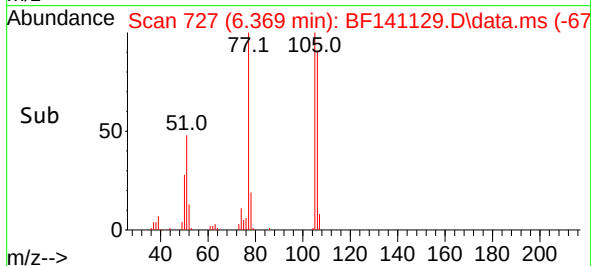
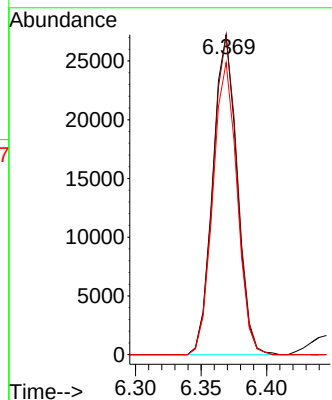
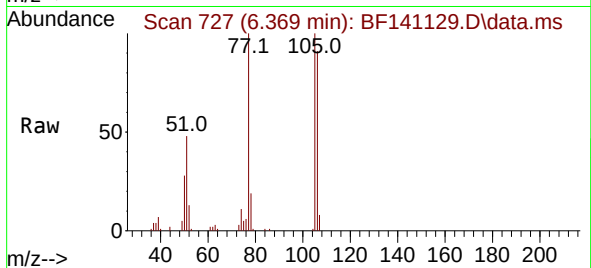
Tgt Ion: 77	Resp: 3485
Ion Ratio	Lower Upper
77 100	
105 99.6	78.9 118.9
106 91.3	73.6 113.6

Manual Integrations

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#10

Phenol

Concen: 4.068 ng

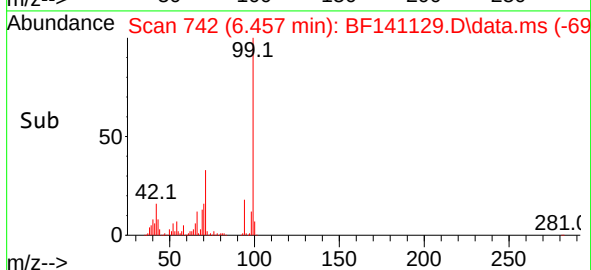
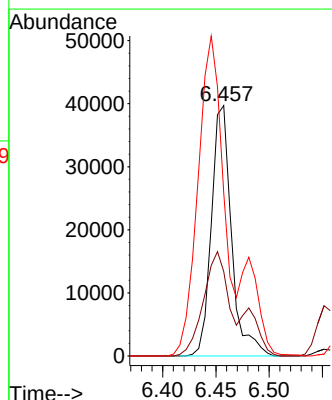
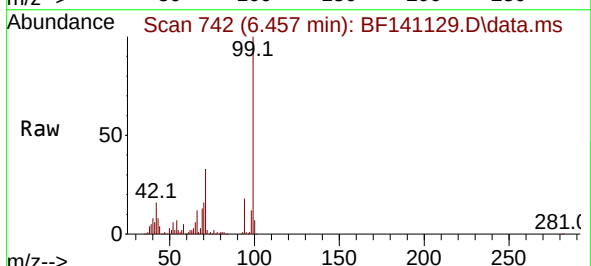
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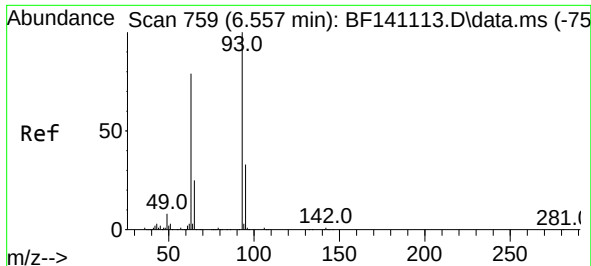
Delta R.T. -0.006 min

Lab File: BF141129.D

Acq: 13 Jan 2025 16:37

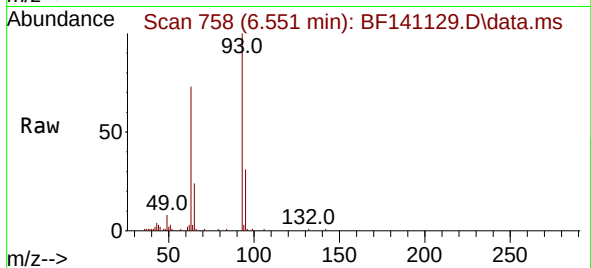
Tgt Ion: 94	Resp: 52175
Ion Ratio	Lower Upper
94 100	
65 33.7	8.9 48.9
66 65.3	21.2 61.2





#11
bis(2-Chloroethyl)ether
Concen: 4.191 ng
RT: 6.551 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

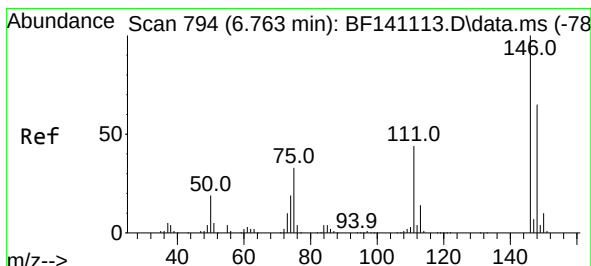
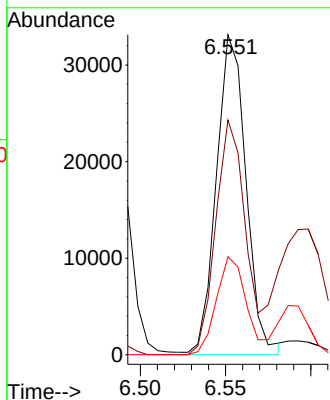
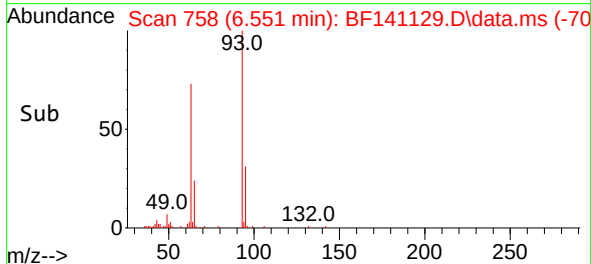
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024



Tgt Ion: 93 Resp: 4006
Ion Ratio Lower Upper
93 100
63 73.4 58.0 98.0
95 30.6 12.5 52.5

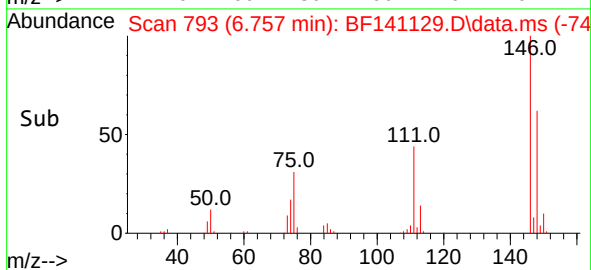
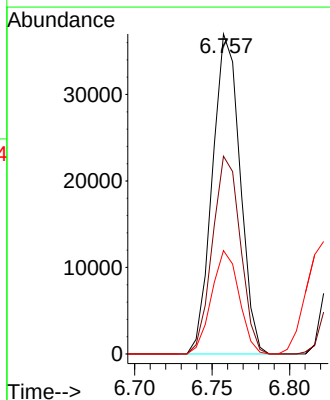
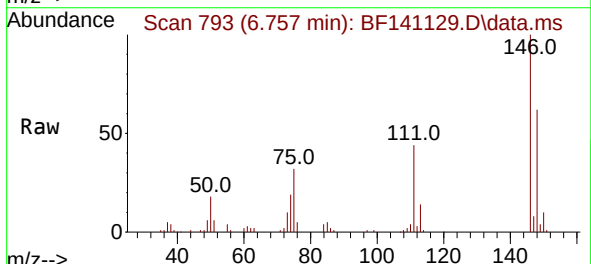
Manual Integrations
APPROVED

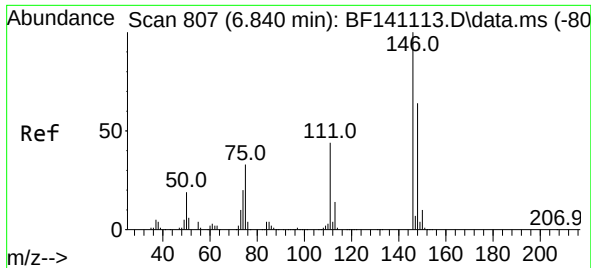
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#12
1,3-Dichlorobenzene
Concen: 4.059 ng
RT: 6.757 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

Tgt Ion:146 Resp: 45941
Ion Ratio Lower Upper
146 100
148 61.8 51.6 77.4
75 32.3 26.2 39.2





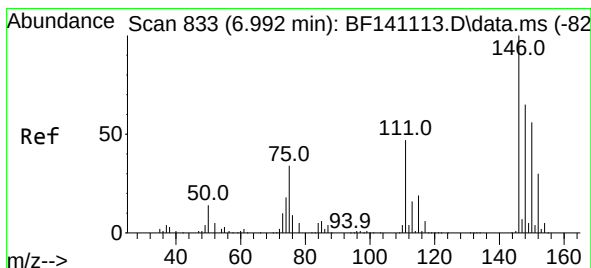
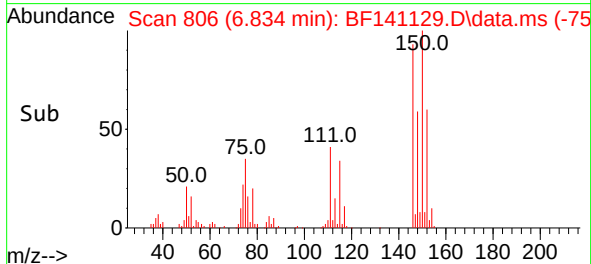
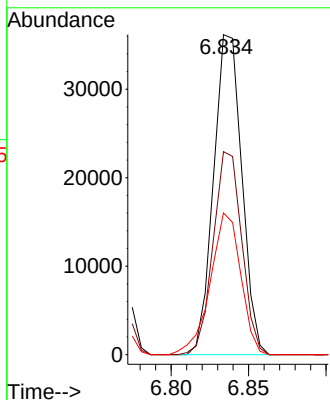
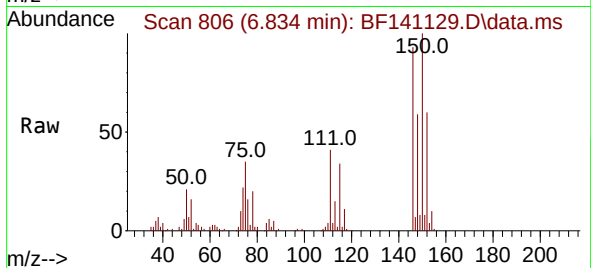
#13
1,4-Dichlorobenzene
Concen: 4.026 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:146 Resp: 4591
Ion Ratio Lower Upper
146 100
148 63.5 51.0 76.6
111 44.3 34.9 52.3

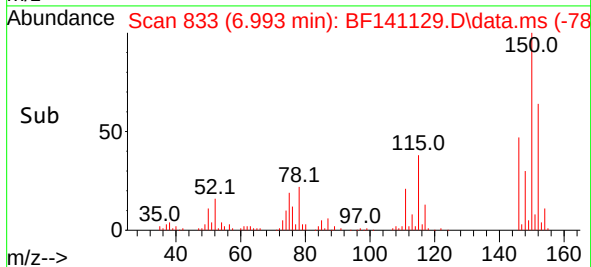
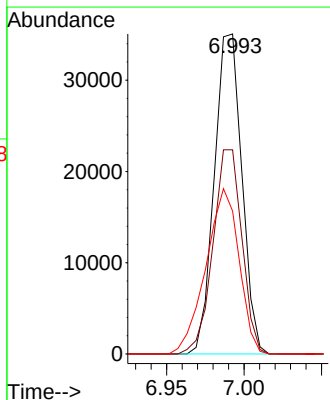
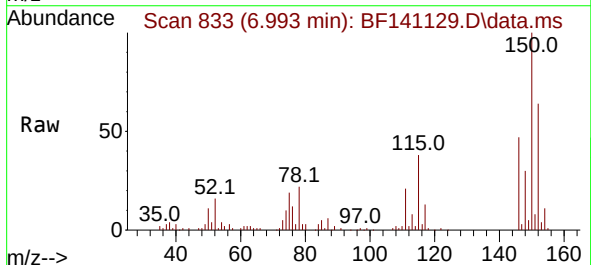
Manual Integrations
APPROVED

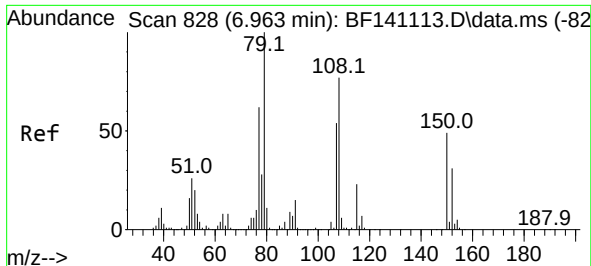
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#14
1,2-Dichlorobenzene
Concen: 4.076 ng
RT: 6.993 min Scan# 833
Delta R.T. 0.000 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

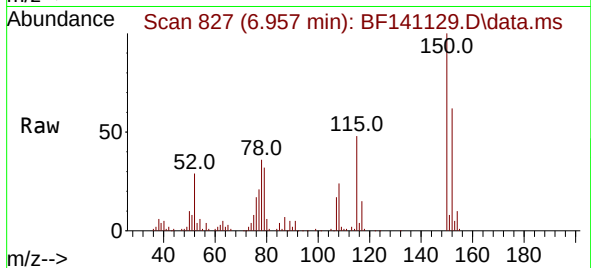
Tgt Ion:146 Resp: 43362
Ion Ratio Lower Upper
146 100
148 63.8 52.2 78.4
111 44.7 37.5 56.3





#15
Benzyl Alcohol
Concen: 5.276 ng
RT: 6.957 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

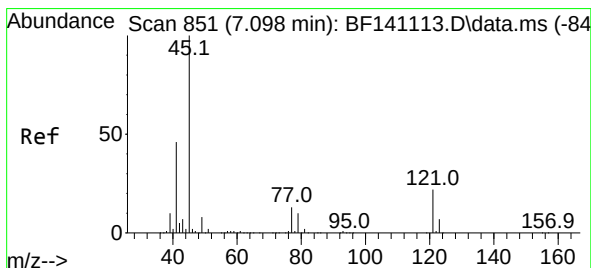
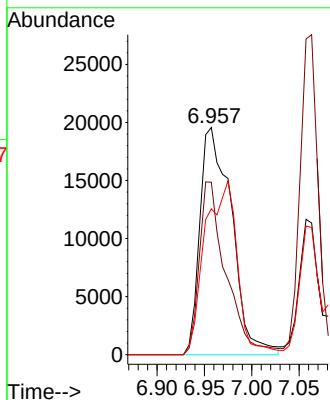
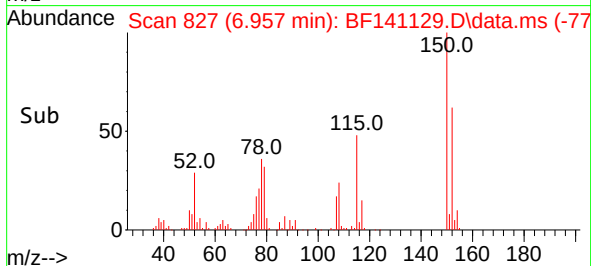
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



Tgt Ion: 79 Resp: 4565
Ion Ratio Lower Upper
79 100
108 75.9 61.4 92.0
77 64.3 49.8 74.6

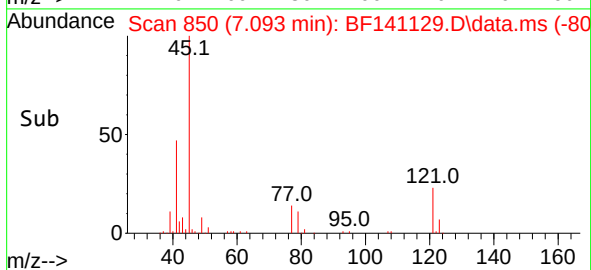
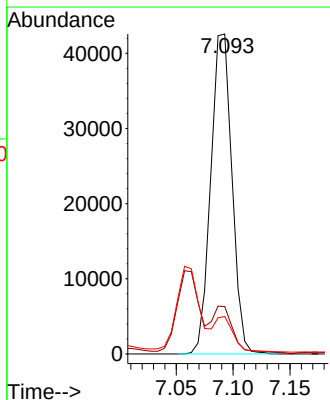
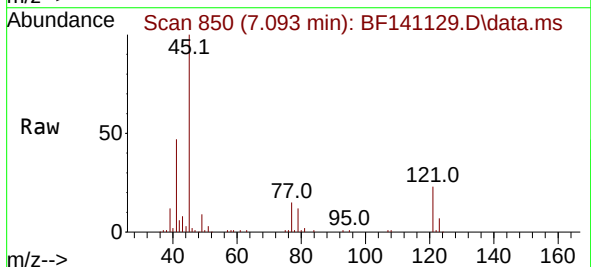
Manual Integrations
APPROVED

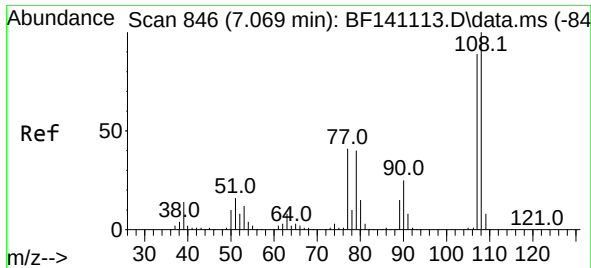
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.150 ng
RT: 7.093 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

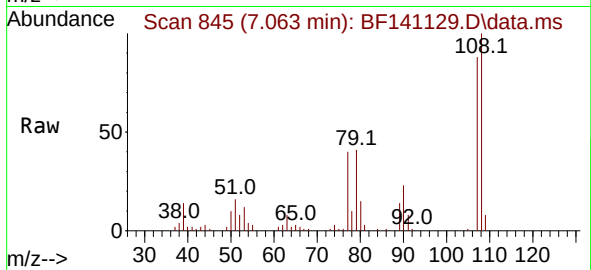
Tgt Ion: 45 Resp: 55351
Ion Ratio Lower Upper
45 100
77 14.8 0.0 34.1
79 11.7 0.0 31.0





#17
2-Methylphenol
Concen: 3.956 ng
RT: 7.063 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

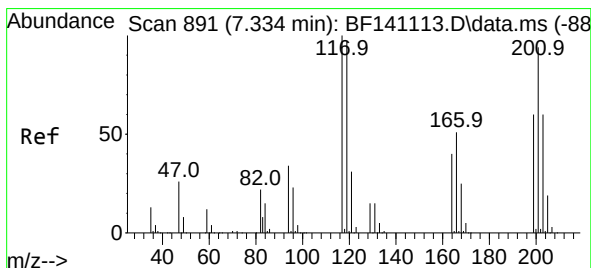
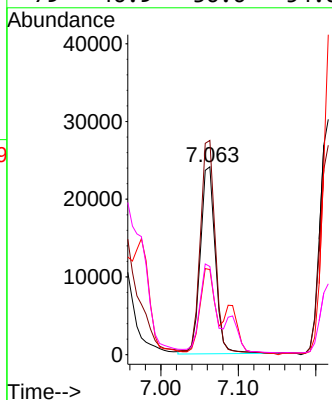
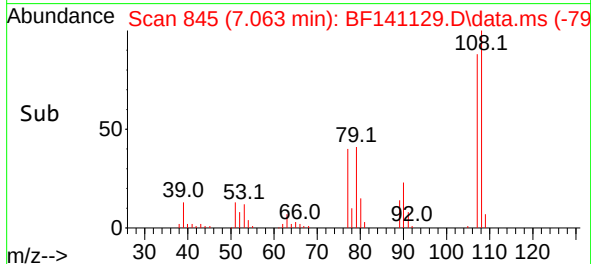
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:107 Resp: 3241
Ion Ratio Lower Upper
107 100
108 114.0 90.1 135.1
77 45.3 36.6 55.0
79 46.9 36.6 54.8

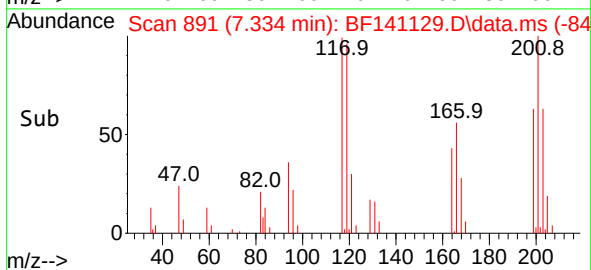
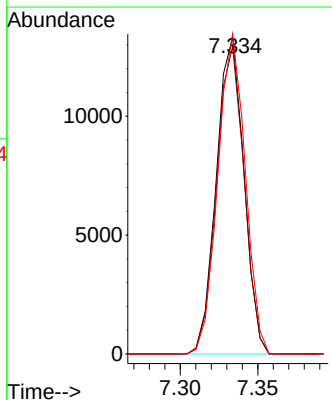
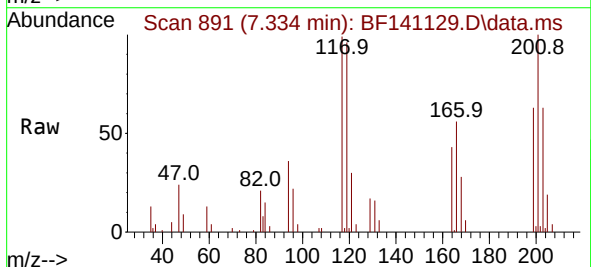
Manual Integrations
APPROVED

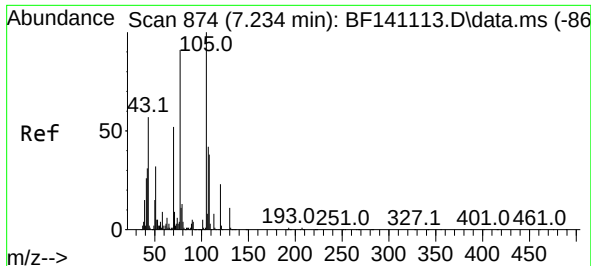
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#18
Hexachloroethane
Concen: 3.989 ng
RT: 7.334 min Scan# 891
Delta R.T. 0.000 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

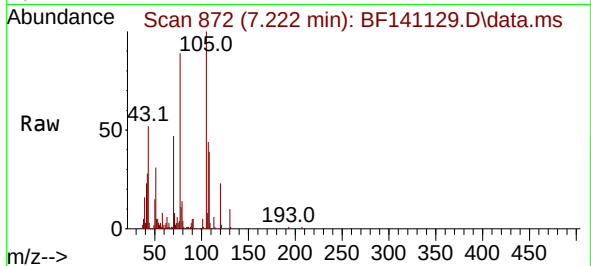
Tgt Ion:117 Resp: 16453
Ion Ratio Lower Upper
117 100
119 97.0 77.6 116.4
201 100.9 75.1 112.7





#19
n-Nitroso-di-n-propylamine
Concen: 4.146 ng
RT: 7.222 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

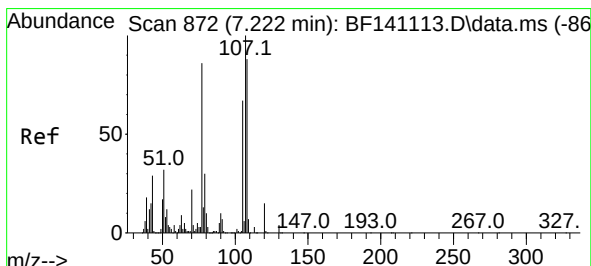
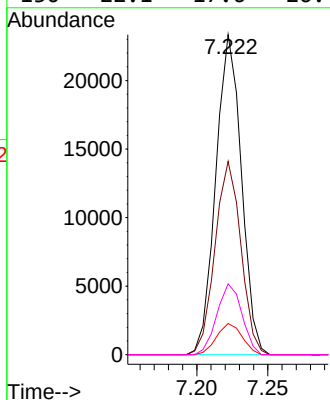
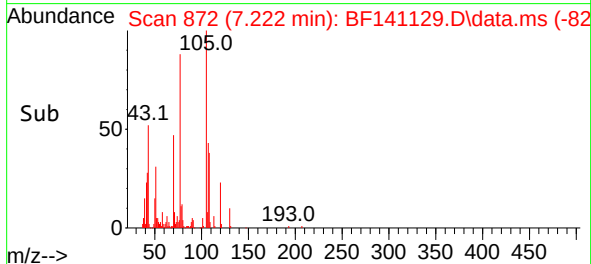
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



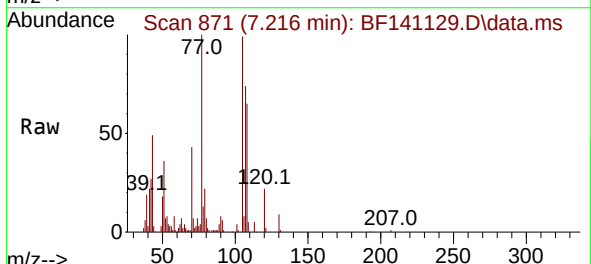
Tgt Ion: 70 Resp: 2926
Ion Ratio Lower Upper
70 100
42 60.4 47.8 71.6
101 9.8 7.9 11.9
130 22.1 17.6 26.4

Manual Integrations
APPROVED

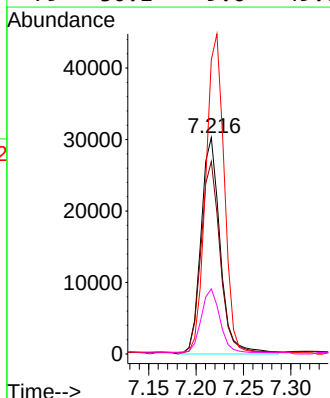
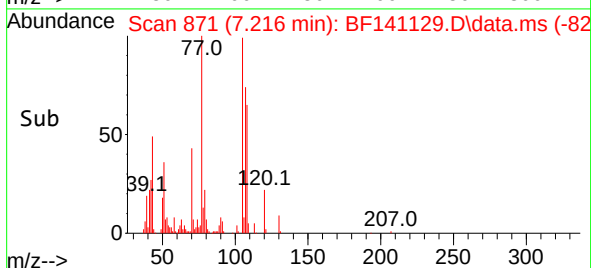
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025

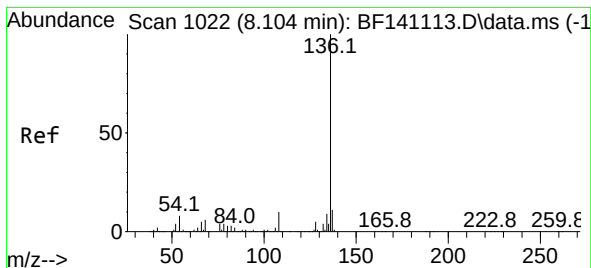


#20
3+4-Methylphenols
Concen: 4.133 ng
RT: 7.216 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37



Tgt Ion:107 Resp: 42721
Ion Ratio Lower Upper
107 100
108 89.0 68.3 108.3
77 136.0 66.4 106.4#
79 30.1 9.6 49.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141129.D

Acq: 13 Jan 2025 16:37

Instrument :

BNA_F

ClientSampleId :

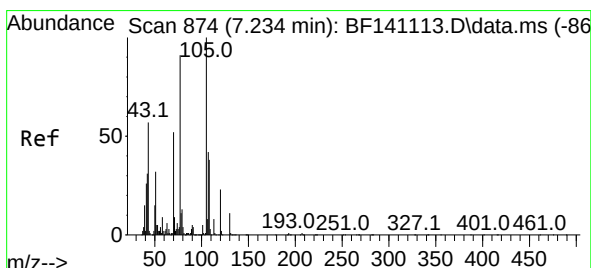
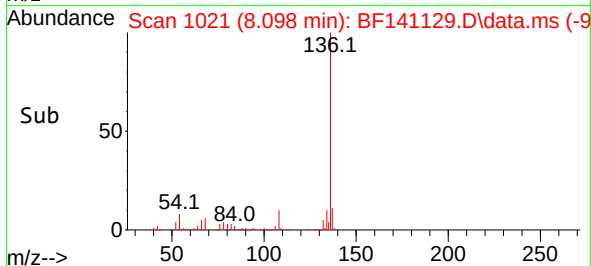
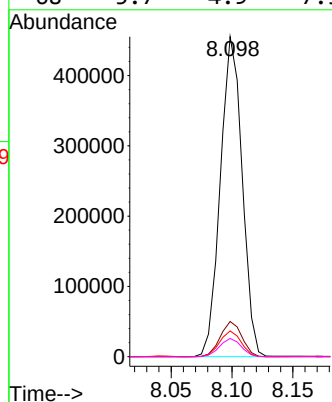
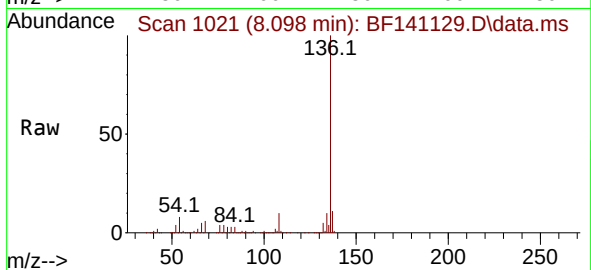
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:136	Resp: 56813
Ion Ratio	Lower Upper
136 100	
137 11.0	8.8 13.2
54 8.1	6.3 9.5
68 5.7	4.9 7.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#22

Acetophenone

Concen: 4.546 ng

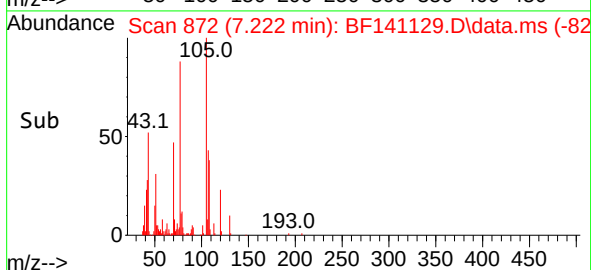
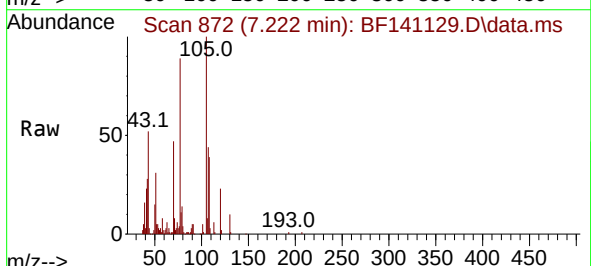
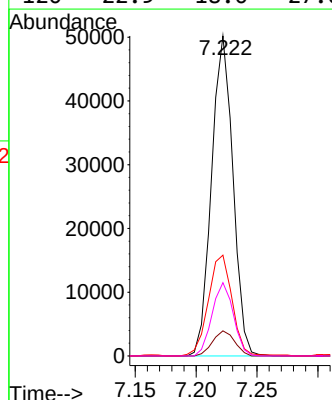
RT: 7.222 min Scan# 872

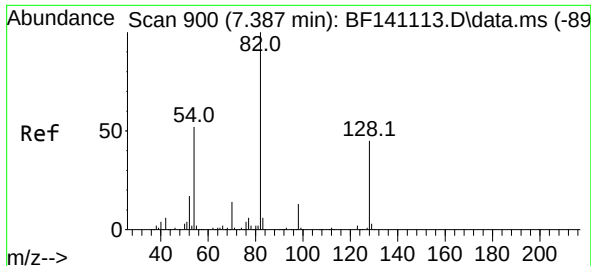
Delta R.T. -0.012 min

Lab File: BF141129.D

Acq: 13 Jan 2025 16:37

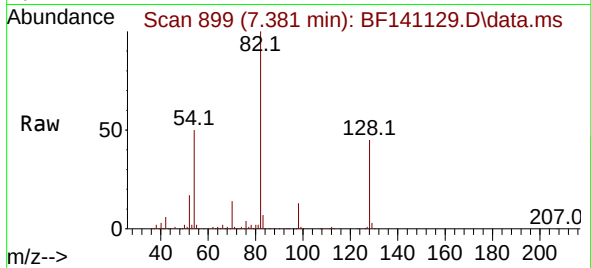
Tgt Ion:105	Resp: 61403
Ion Ratio	Lower Upper
105 100	
71 7.9	7.1 10.7
51 31.5	25.4 38.2
120 22.9	18.0 27.0





#23
Nitrobenzene-d5
Concen: 81.920 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

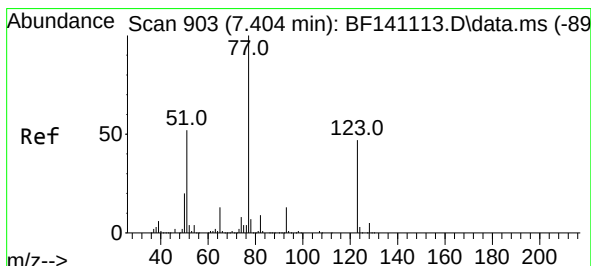
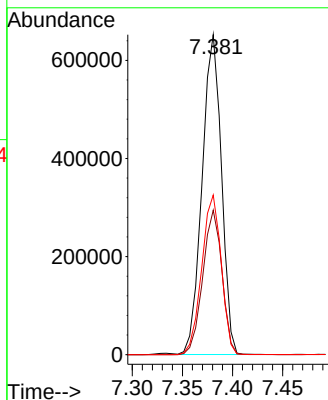
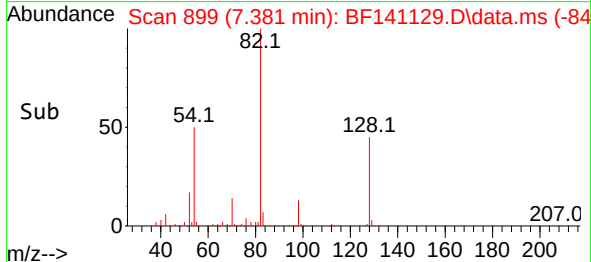
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



Tgt Ion: 82 Resp: 87801
Ion Ratio Lower Upper
82 100
128 45.1 36.1 54.1
54 49.9 41.0 61.4

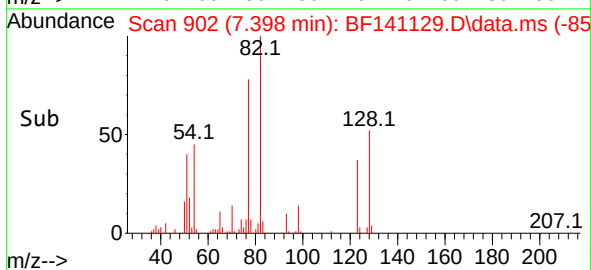
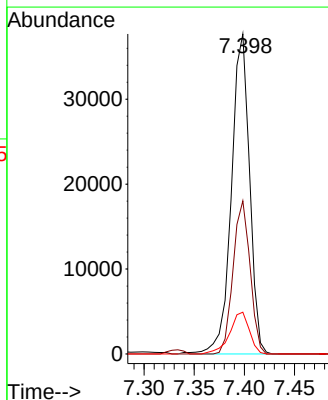
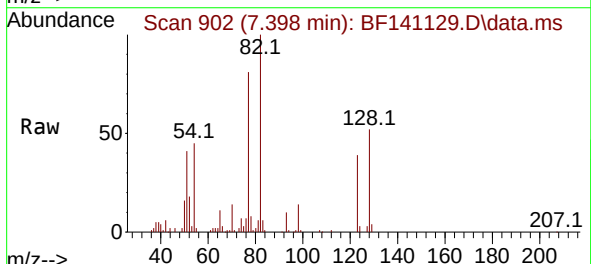
Manual Integrations
APPROVED

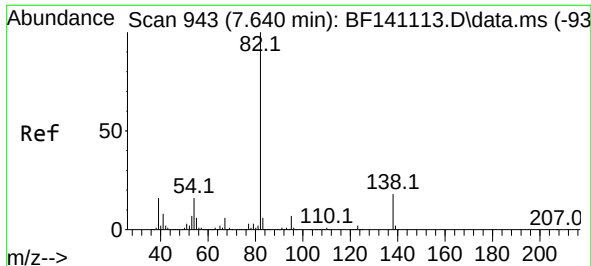
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#24
Nitrobenzene
Concen: 4.261 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

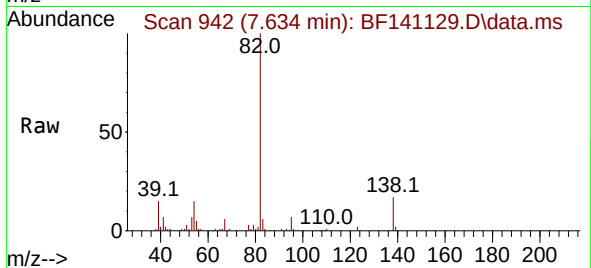
Tgt Ion: 77 Resp: 47601
Ion Ratio Lower Upper
77 100
123 47.8 37.7 56.5
65 13.1 10.6 16.0





#25
Isophorone
Concen: 4.229 ng
RT: 7.634 min Scan# 943
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

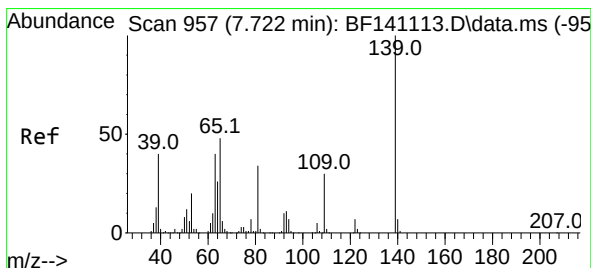
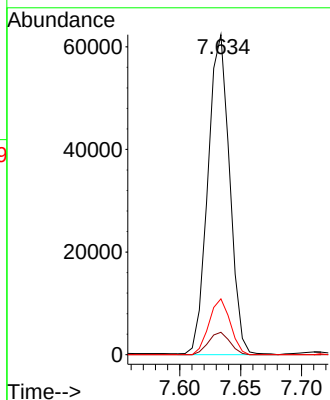
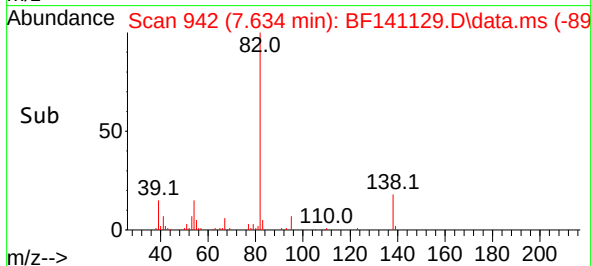
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024



Tgt Ion: 82 Resp: 77450
Ion Ratio Lower Upper
82 100
95 7.0 5.9 8.9
138 17.5 14.2 21.2

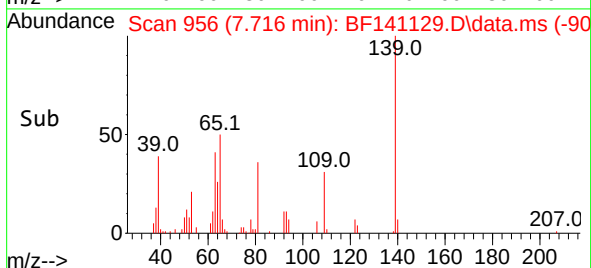
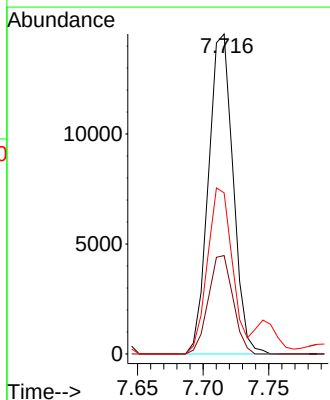
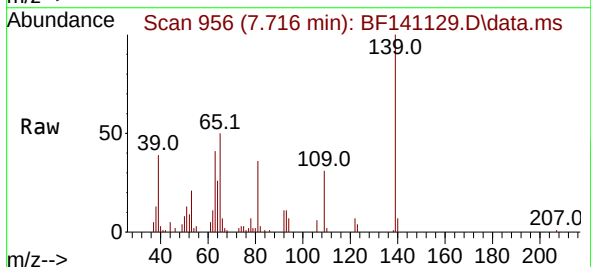
Manual Integrations
APPROVED

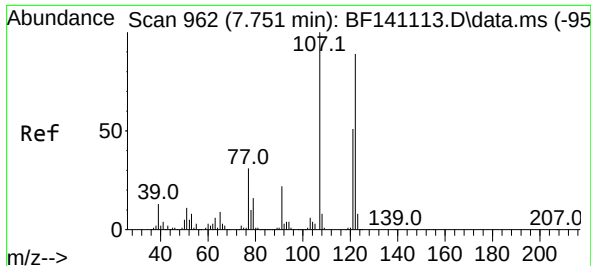
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#26
2-Nitrophenol
Concen: 3.736 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

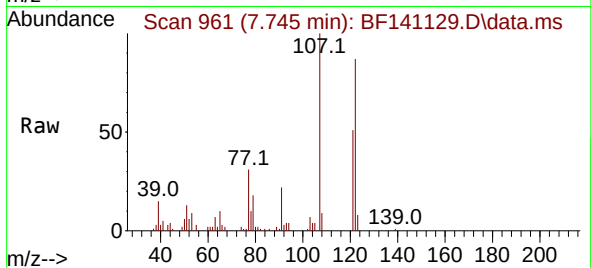
Tgt Ion:139 Resp: 18985
Ion Ratio Lower Upper
139 100
109 30.8 23.8 35.6
65 50.3 38.5 57.7





#27
2,4-Dimethylphenol
Concen: 2.725 ng m
RT: 7.745 min Scan# 961
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

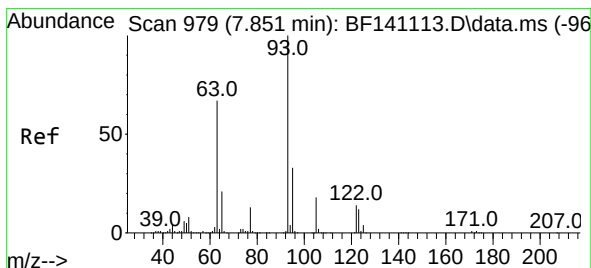
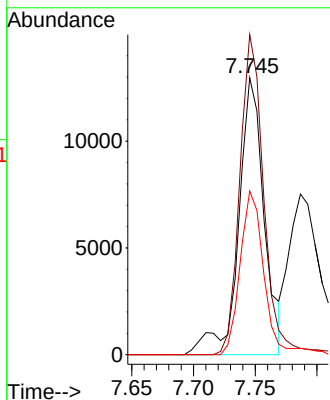
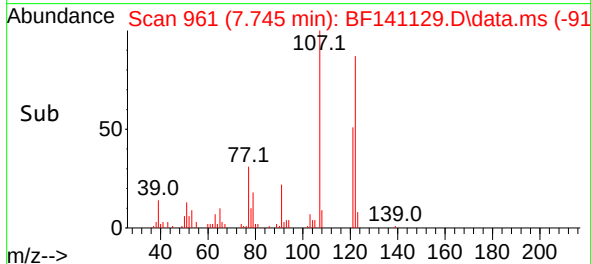
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:122 Resp: 18678
Ion Ratio Lower Upper
122 100
107 115.6 90.3 135.5
121 59.1 46.5 69.7

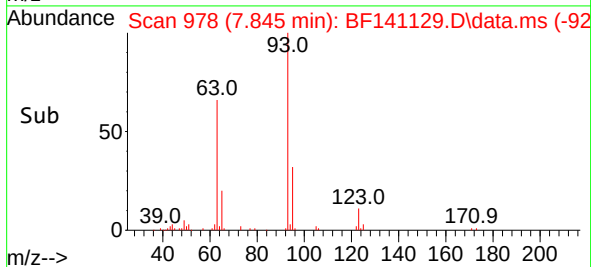
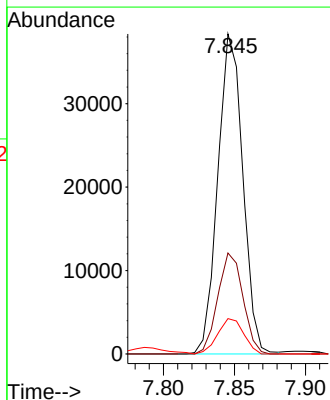
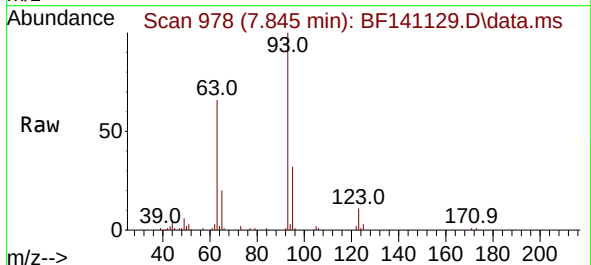
Manual Integrations
APPROVED

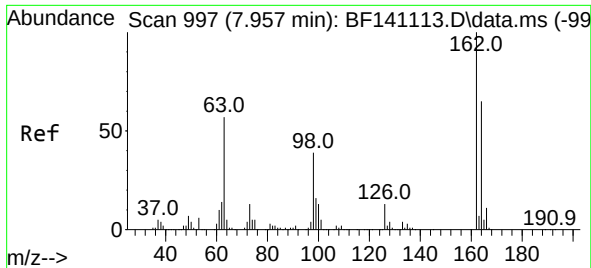
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#28
bis(2-Chloroethoxy)methane
Concen: 4.081 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

Tgt Ion: 93 Resp: 46911
Ion Ratio Lower Upper
93 100
95 31.6 26.2 39.4
123 11.1 10.1 15.1





#29

2,4-Dichlorophenol

Concen: 3.895 ng

RT: 7.951 min Scan# 997

Delta R.T. -0.006 min

Lab File: BF141129.D

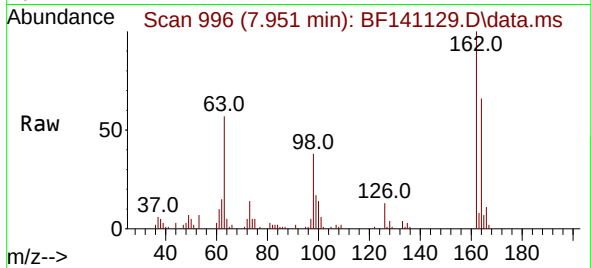
Acq: 13 Jan 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



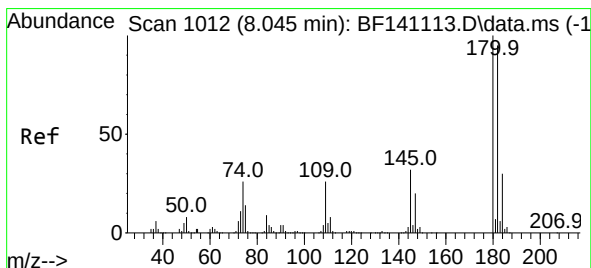
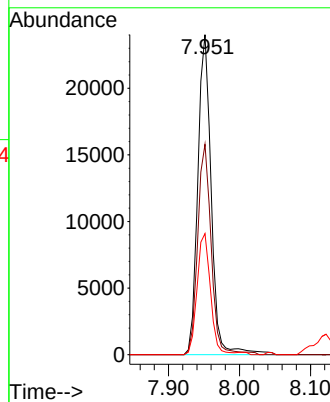
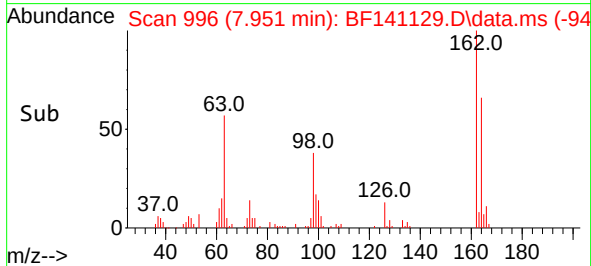
Tgt Ion:	162	Resp:	3170
Ion Ratio	Lower	Upper	
162	100		
164	65.8	44.5	84.5
98	37.9	18.5	58.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/14/2025

Supervised By :mohammad ahmed 01/14/2025



#30

1,2,4-Trichlorobenzene

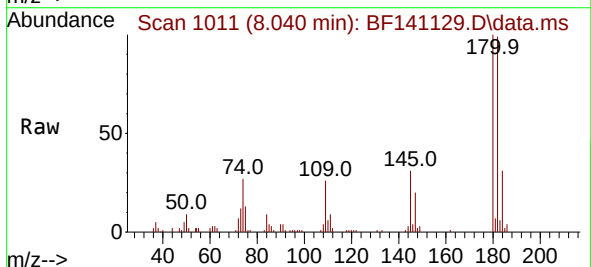
Concen: 4.060 ng

RT: 8.040 min Scan# 1011

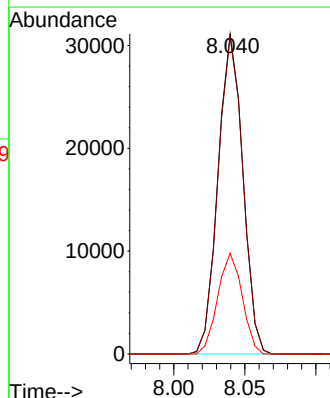
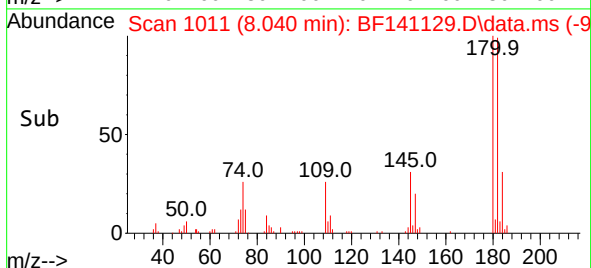
Delta R.T. -0.006 min

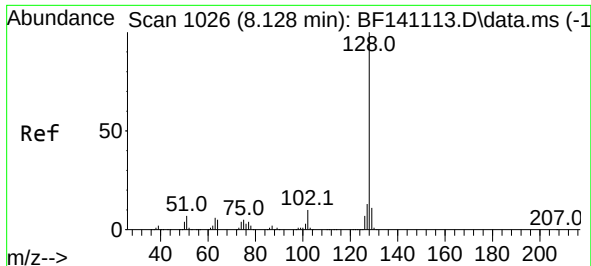
Lab File: BF141129.D

Acq: 13 Jan 2025 16:37



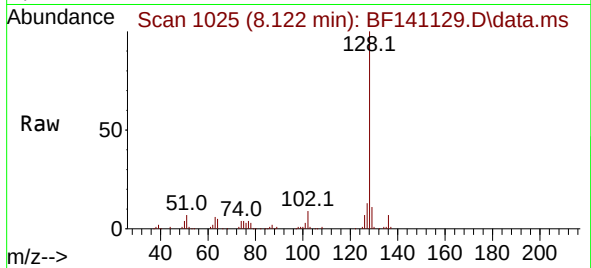
Tgt Ion:	180	Resp:	37774
Ion Ratio	Lower	Upper	
180	100		
182	99.0	76.2	114.2
145	31.5	25.3	37.9





#31
Naphthalene
Concen: 4.222 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

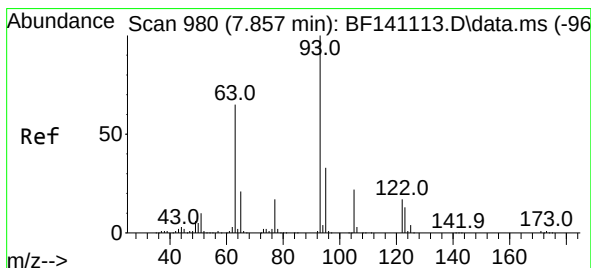
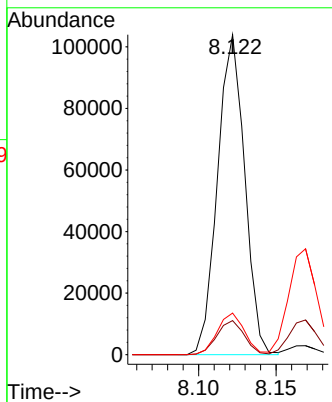
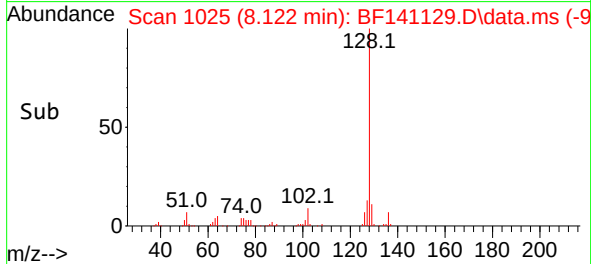
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:128 Resp: 126498
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.6
127 13.0 10.8 16.2

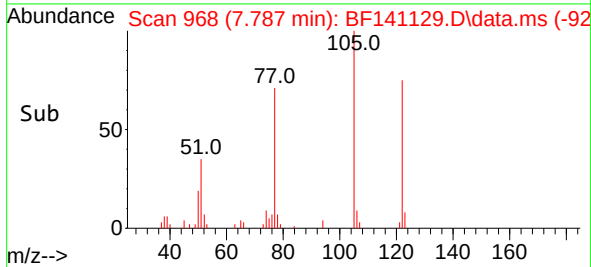
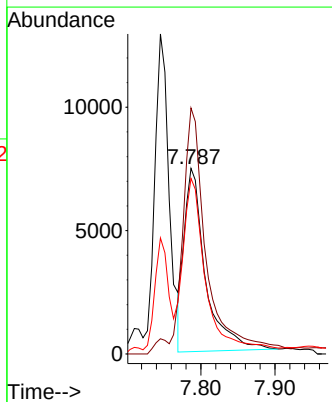
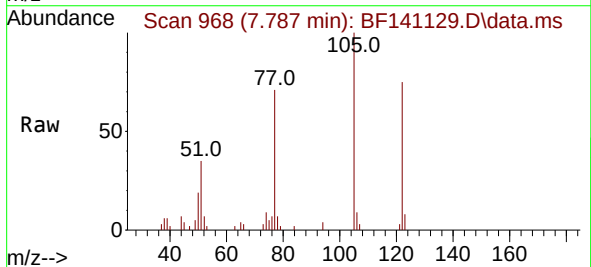
Manual Integrations
APPROVED

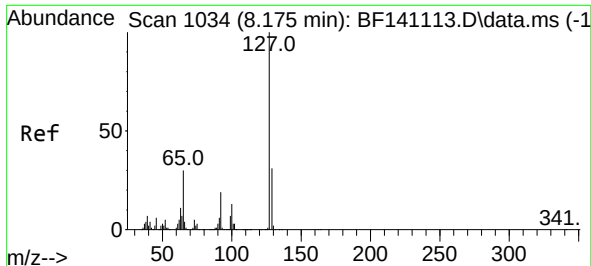
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#32
Benzoic acid
Concen: 2.280 ng
RT: 7.787 min Scan# 968
Delta R.T. -0.071 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

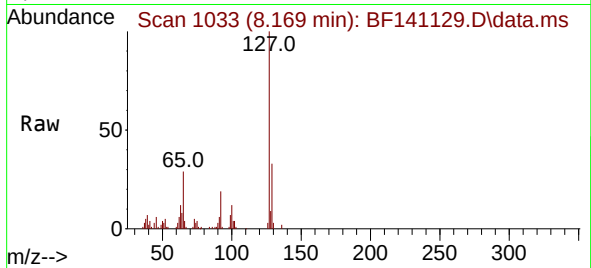
Tgt Ion:122 Resp: 14988
Ion Ratio Lower Upper
122 100
105 132.5 105.5 145.5
77 94.6 75.1 115.1





#33
4-Chloroaniline
Concen: 4.466 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

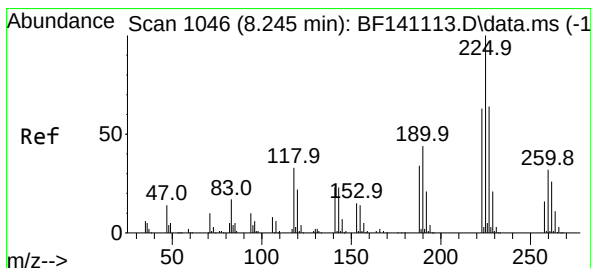
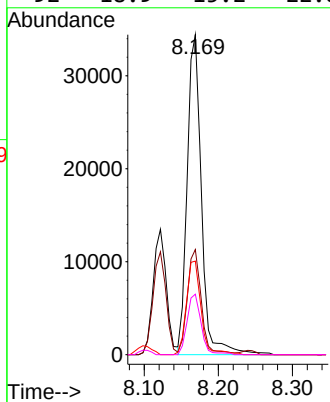
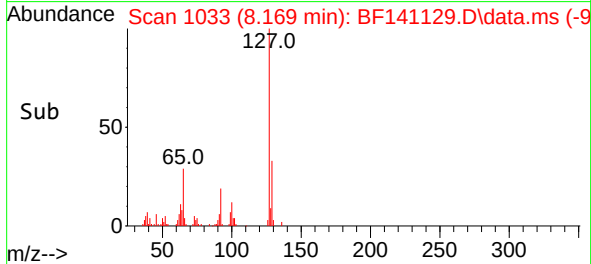
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:127 Resp: 46274
Ion Ratio Lower Upper
127 100
129 32.8 25.9 38.9
65 29.3 23.8 35.8
92 18.9 15.2 22.8

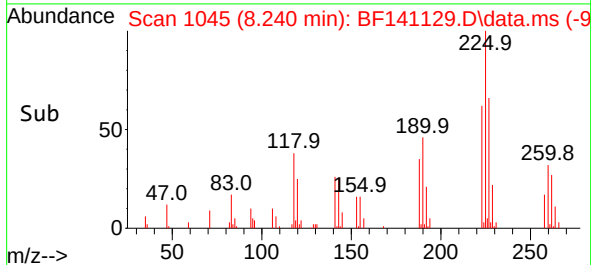
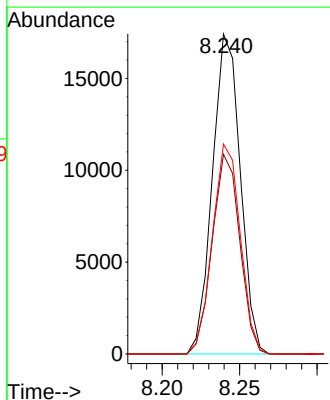
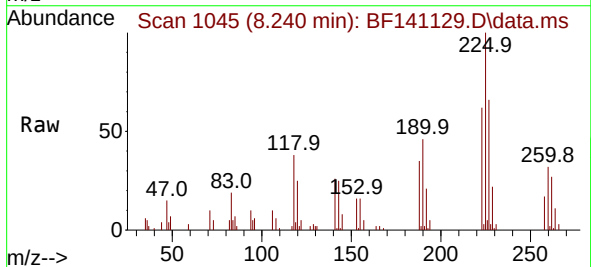
Manual Integrations
APPROVED

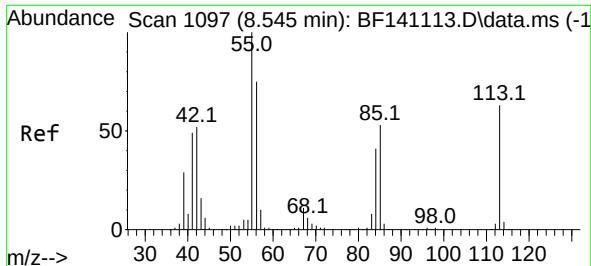
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#34
Hexachlorobutadiene
Concen: 3.884 ng
RT: 8.240 min Scan# 1045
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

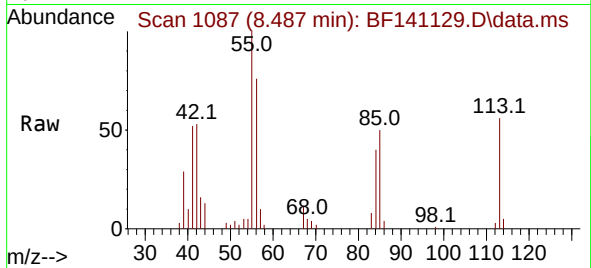
Tgt Ion:225 Resp: 21774
Ion Ratio Lower Upper
225 100
223 62.4 50.6 76.0
227 65.6 51.6 77.4





#35
Caprolactam
Concen: 3.533 ng
RT: 8.487 min Scan# 1097
Delta R.T. -0.059 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

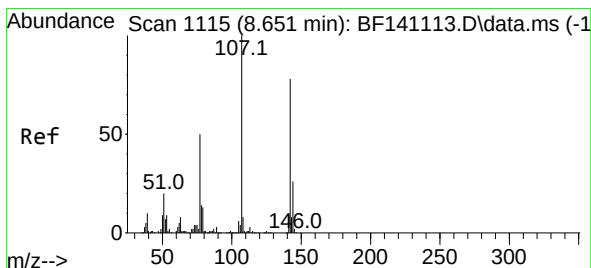
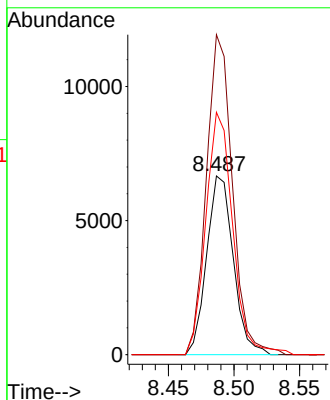
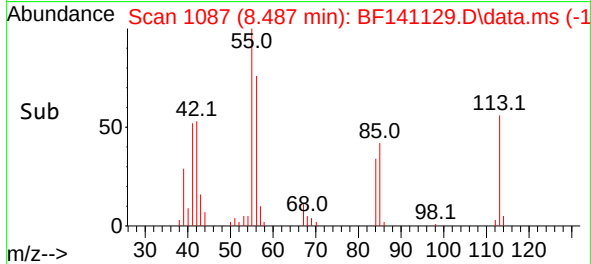
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:113 Resp: 941
Ion Ratio Lower Upper
113 100
55 179.1 139.7 179.7
56 135.7 99.4 139.4

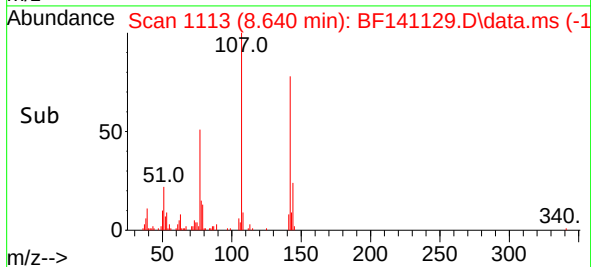
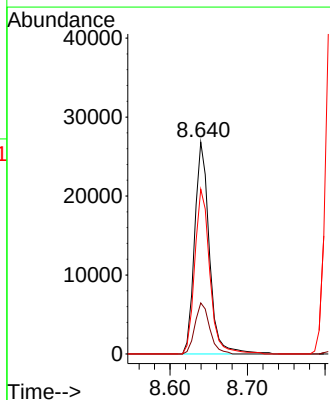
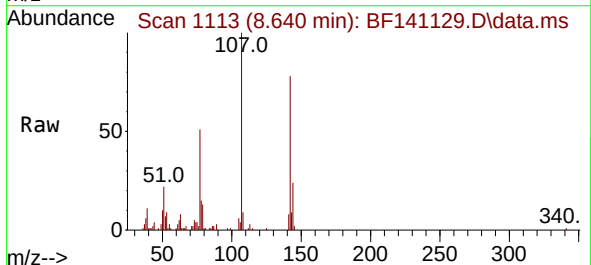
Manual Integrations
APPROVED

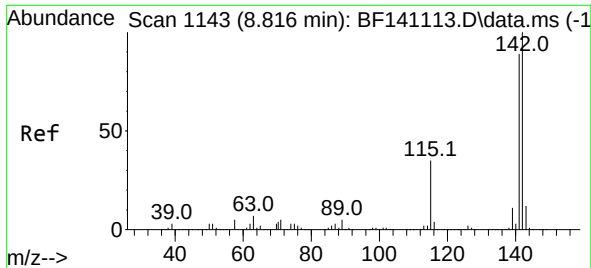
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#36
4-Chloro-3-methylphenol
Concen: 3.978 ng
RT: 8.640 min Scan# 1113
Delta R.T. -0.012 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

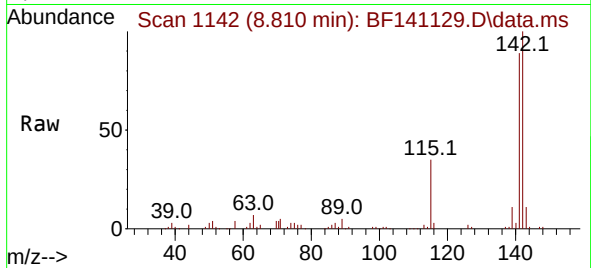
Tgt Ion:107 Resp: 35414
Ion Ratio Lower Upper
107 100
144 24.1 20.4 30.6
142 77.8 62.2 93.2





#37
2-Methylnaphthalene
Concen: 4.266 ng
RT: 8.810 min Scan# 1143
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

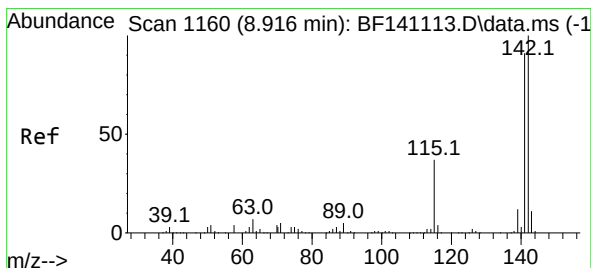
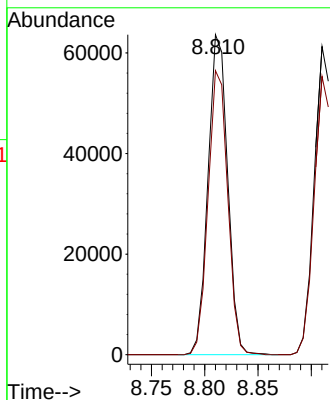
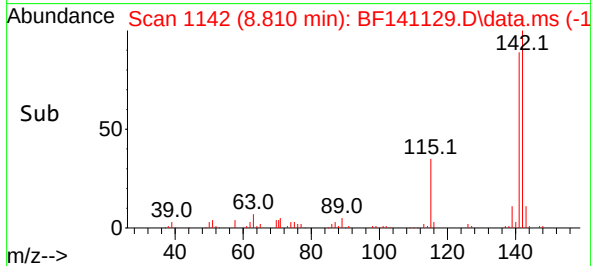
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



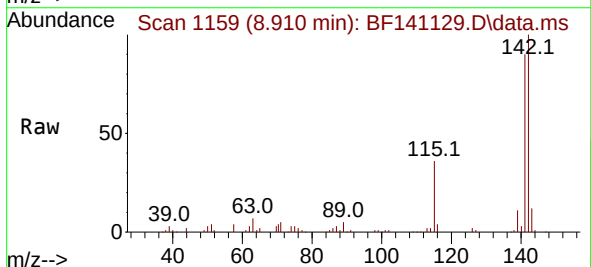
Tgt Ion:142 Resp: 81450
Ion Ratio Lower Upper
142 100
141 88.7 71.3 106.9

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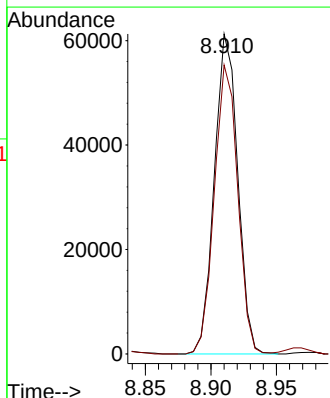
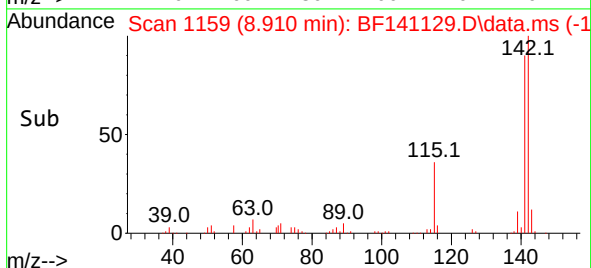
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025

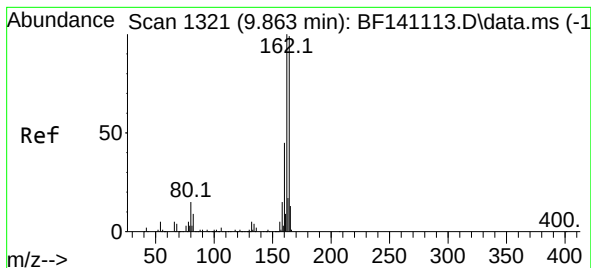


#38
1-Methylnaphthalene
Concen: 4.032 ng
RT: 8.910 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37



Tgt Ion:142 Resp: 75866
Ion Ratio Lower Upper
142 100
141 90.3 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141129.D

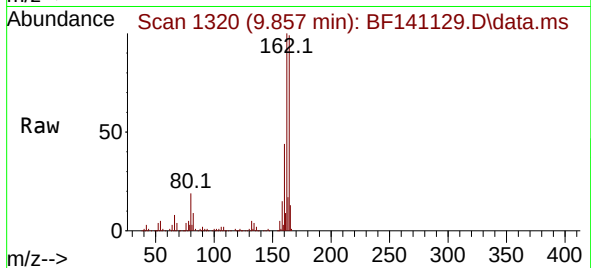
Acq: 13 Jan 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:164 Resp: 31119

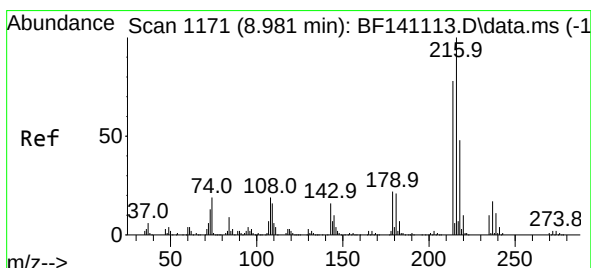
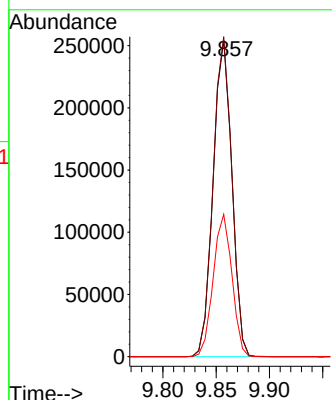
Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.0	121.4
160	45.0	36.1	54.1

Manual Integrations

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Reviewed By :Yogesh Patel 01/14/2025

Supervised By :mohammad ahmed 01/14/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.318 ng

RT: 8.975 min Scan# 1170

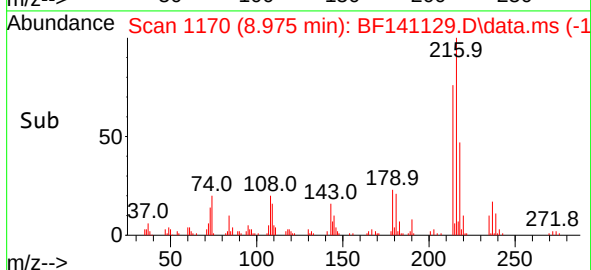
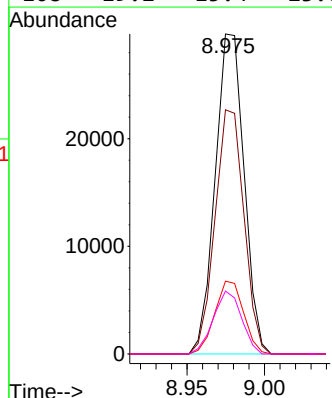
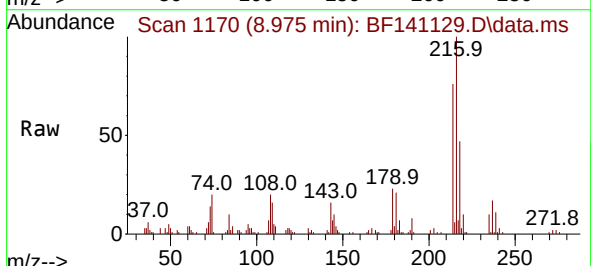
Delta R.T. -0.006 min

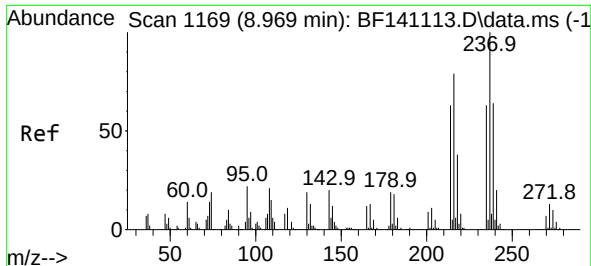
Lab File: BF141129.D

Acq: 13 Jan 2025 16:37

Tgt Ion:216 Resp: 38570

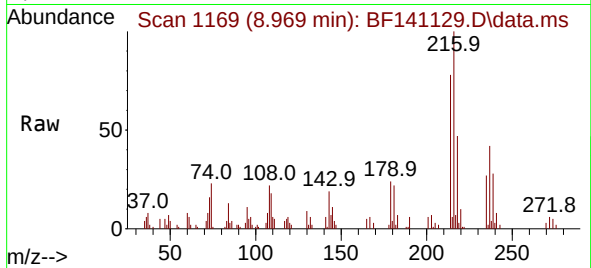
Ion	Ratio	Lower	Upper
216	100		
214	76.4	62.6	94.0
179	22.6	17.7	26.5
108	19.2	15.4	23.0





#41
Hexachlorocyclopentadiene
Concen: 3.248 ng
RT: 8.969 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

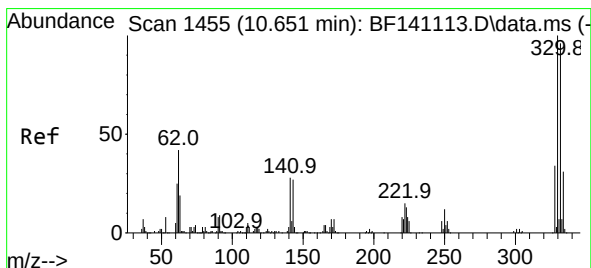
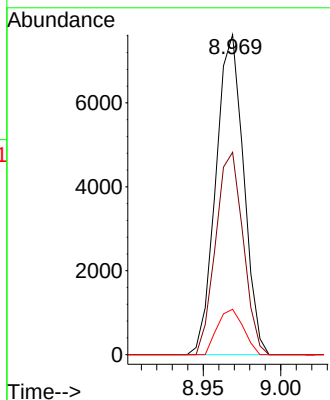
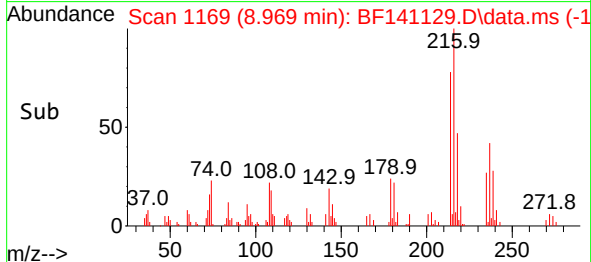
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



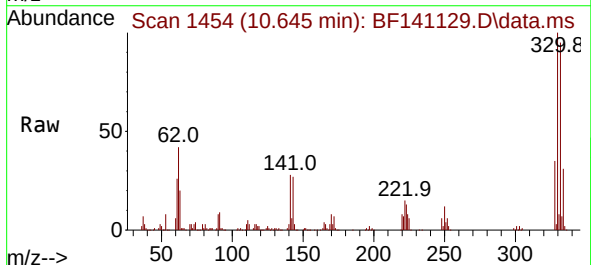
Tgt Ion: 237 Resp: 949
Ion Ratio Lower Upper
237 100
235 63.2 43.0 83.0
272 14.2 0.0 33.0

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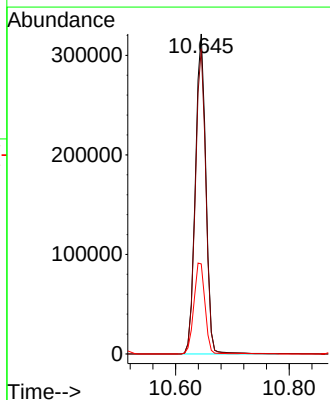
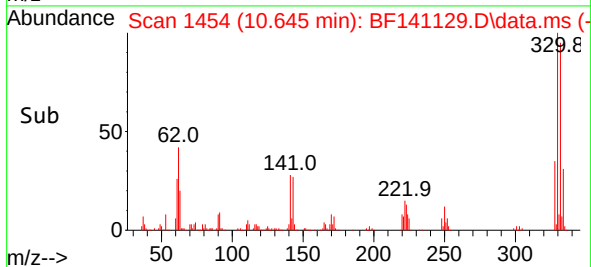
Reviewed By : Yogesh Patel 01/14/2025
Supervised By : mohammad ahmed 01/14/2025

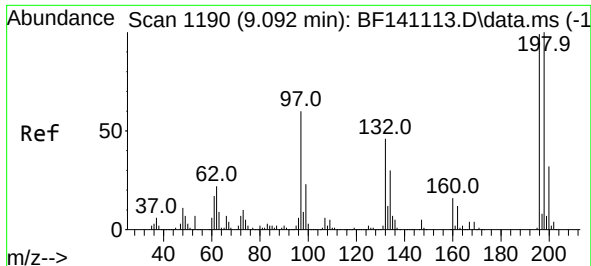


#42
2,4,6-Tribromophenol
Concen: 117.261 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37



Tgt Ion: 330 Resp: 415790
Ion Ratio Lower Upper
330 100
332 95.7 76.9 115.3
141 29.9 25.2 37.8





#43

2,4,6-Trichlorophenol

Concen: 3.756 ng

RT: 9.087 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF141129.D

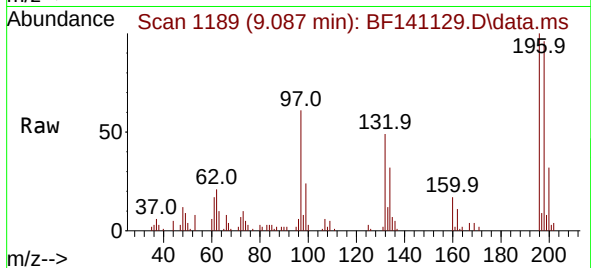
Acq: 13 Jan 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:196 Resp: 22628

Ion Ratio Lower Upper

196 100

198 96.0 80.8 121.2

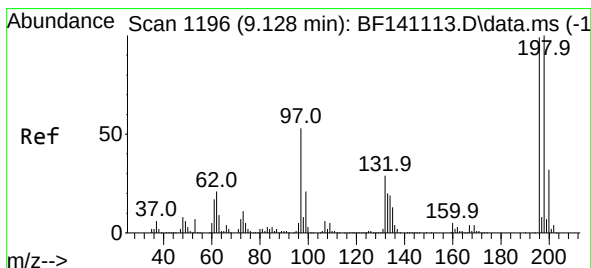
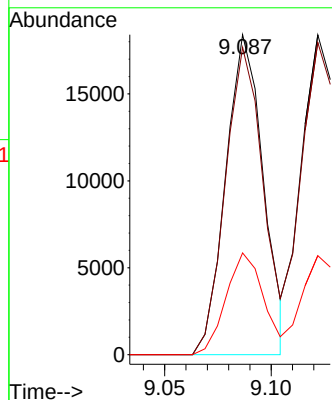
200 31.8 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/14/2025

Supervised By :mohammad ahmed 01/14/2025



#44

2,4,5-Trichlorophenol

Concen: 3.848 ng

RT: 9.122 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF141129.D

Acq: 13 Jan 2025 16:37

Tgt Ion:196 Resp: 24484

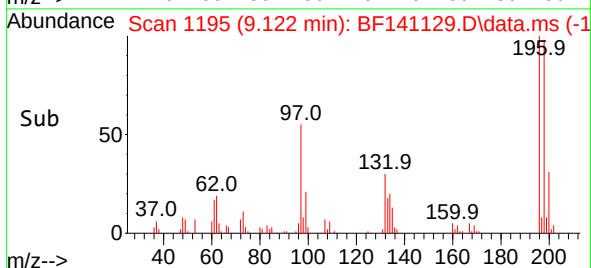
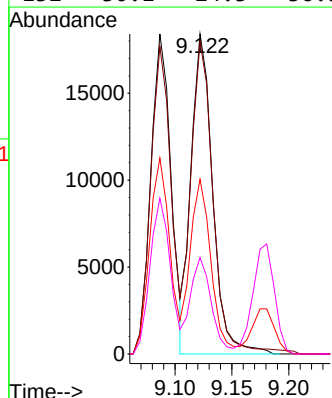
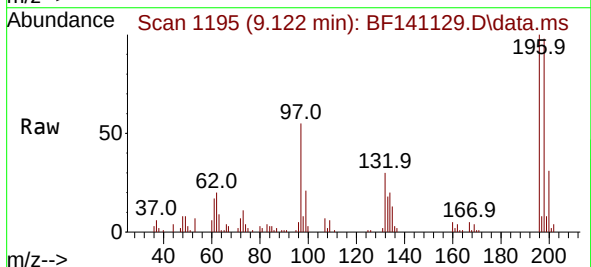
Ion Ratio Lower Upper

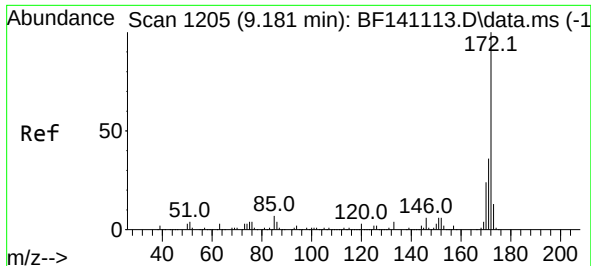
196 100

198 97.6 80.6 120.8

97 54.6 43.1 64.7

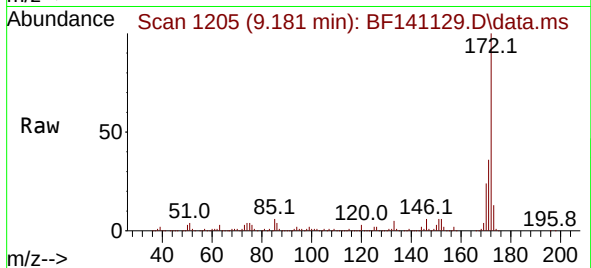
132 30.1 24.3 36.5





#45
2-Fluorobiphenyl
Concen: 79.079 ng
RT: 9.181 min Scan# 1205
Delta R.T. 0.000 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

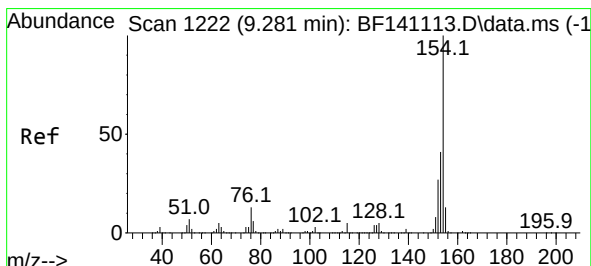
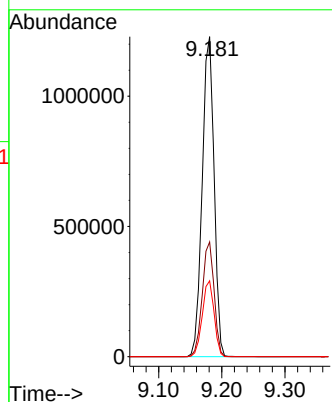
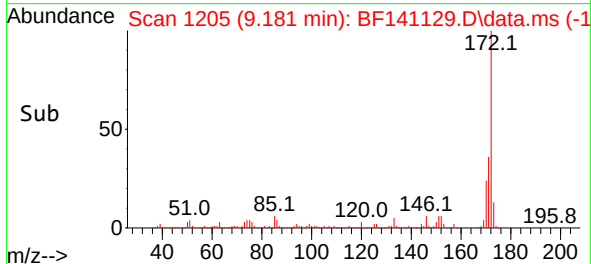
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



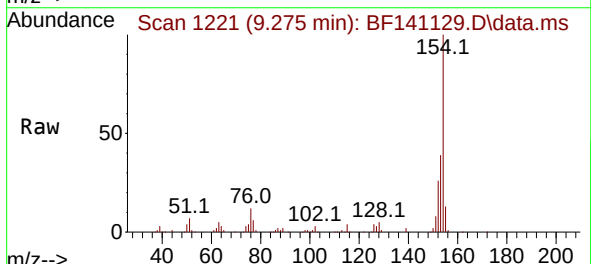
Tgt Ion:172 Resp: 161153
Ion Ratio Lower Upper
172 100
171 35.8 28.7 43.1
170 23.7 19.0 28.6

Manual Integrations
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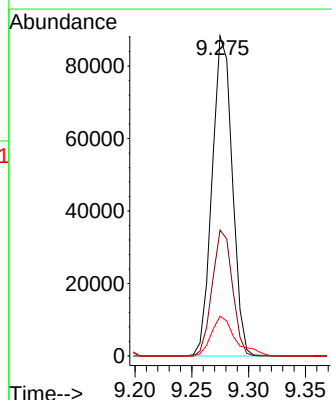
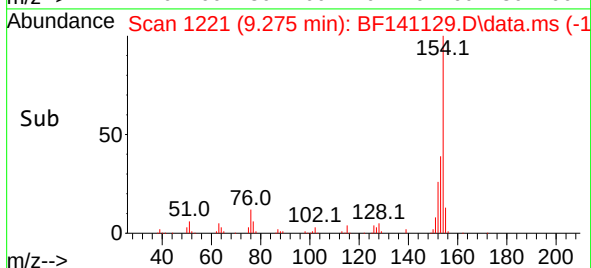
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025

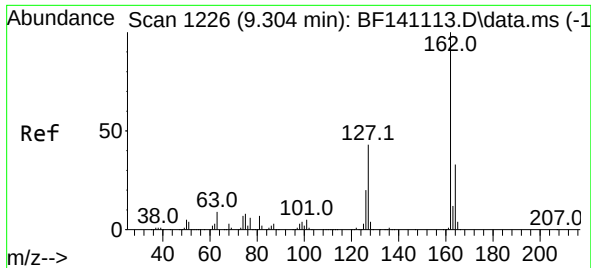


#46
1,1'-Biphenyl
Concen: 4.520 ng
RT: 9.275 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37



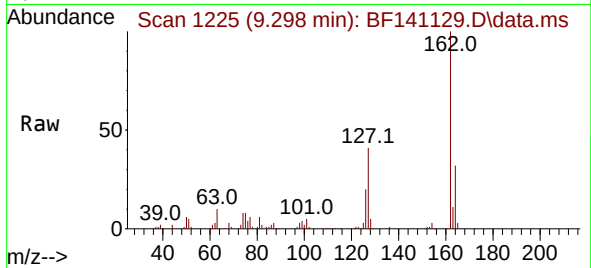
Tgt Ion:154 Resp: 109244
Ion Ratio Lower Upper
154 100
153 39.3 20.7 60.7
76 12.4 0.0 33.1





#47
2-Chloronaphthalene
Concen: 4.110 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

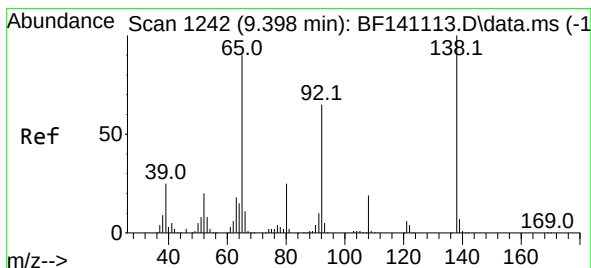
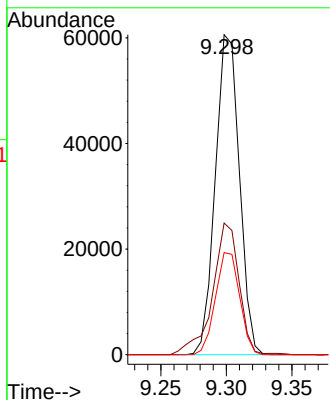
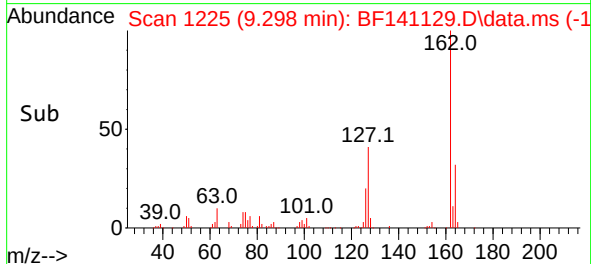
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:162 Resp: 7735
Ion Ratio Lower Upper
162 100
127 41.2 34.6 51.8
164 31.9 26.5 39.7

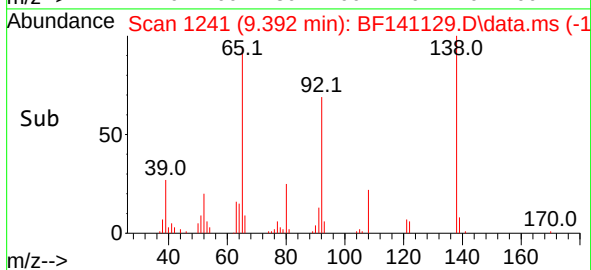
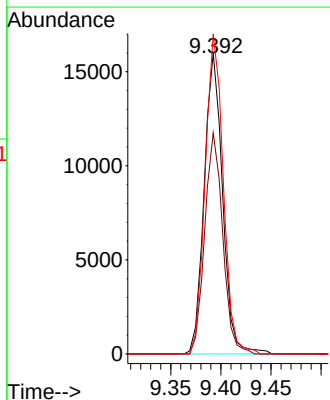
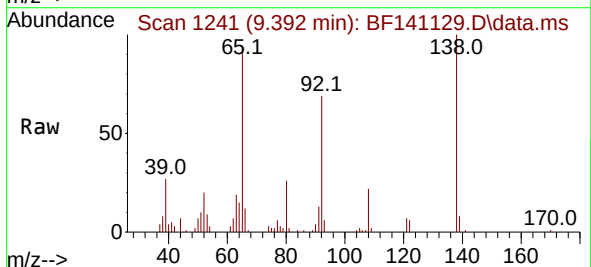
Manual Integrations
APPROVED

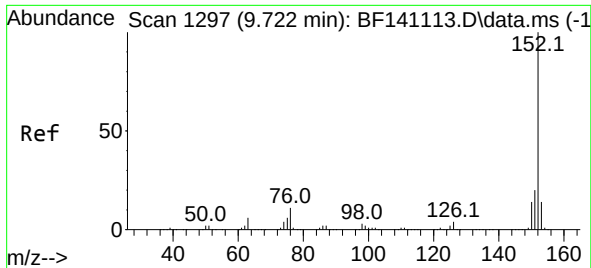
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#48
2-Nitroaniline
Concen: 3.665 ng
RT: 9.392 min Scan# 1241
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

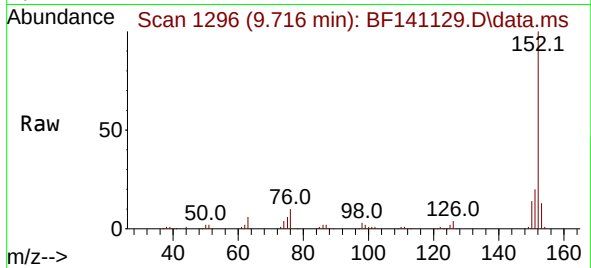
Tgt Ion: 65 Resp: 20450
Ion Ratio Lower Upper
65 100
92 73.4 58.3 87.5
138 106.3 89.1 133.7





#49
Acenaphthylene
Concen: 4.340 ng
RT: 9.716 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

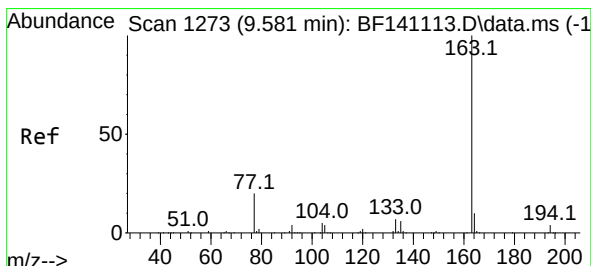
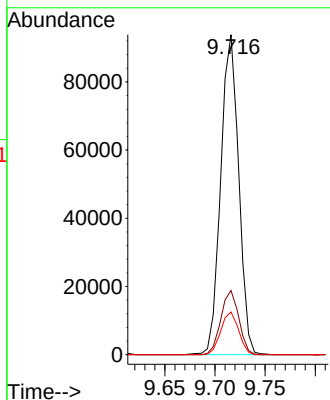
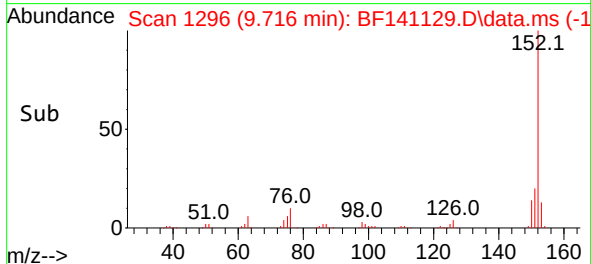
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



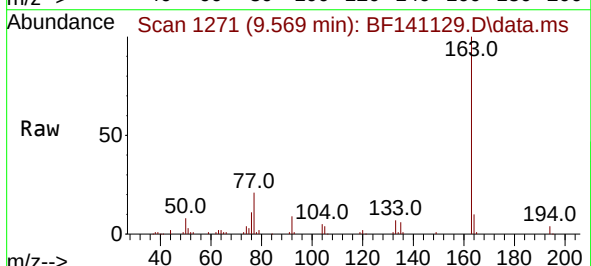
Tgt Ion:152 Resp: 116715
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 13.4 11.1 16.7

Manual Integrations
APPROVED

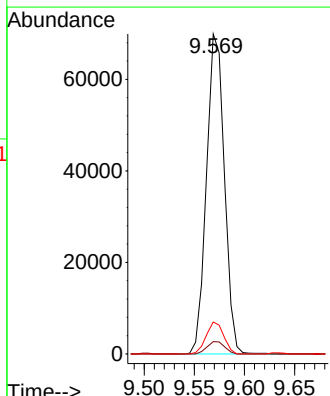
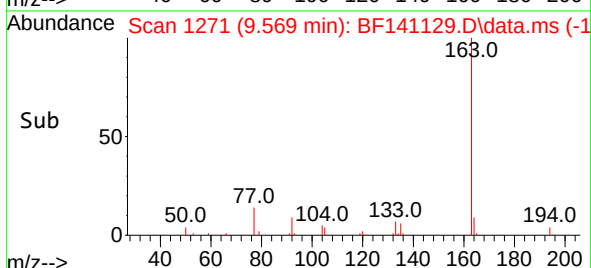
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025

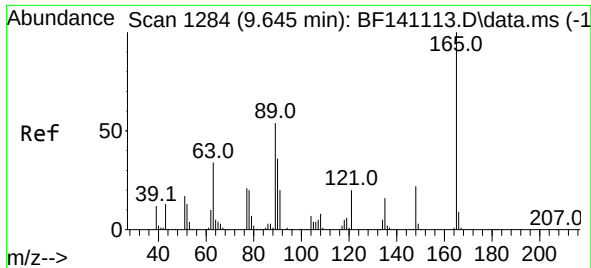


#50
Dimethylphthalate
Concen: 4.170 ng
RT: 9.569 min Scan# 1271
Delta R.T. -0.012 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37



Tgt Ion:163 Resp: 87108
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.0 8.2 12.4





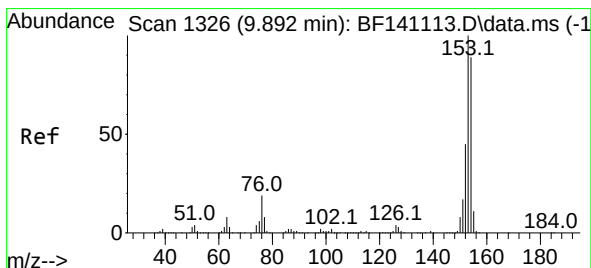
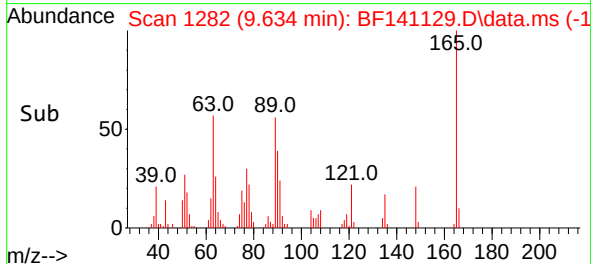
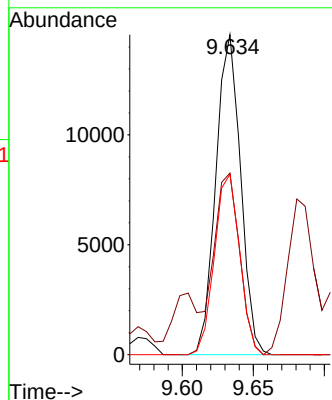
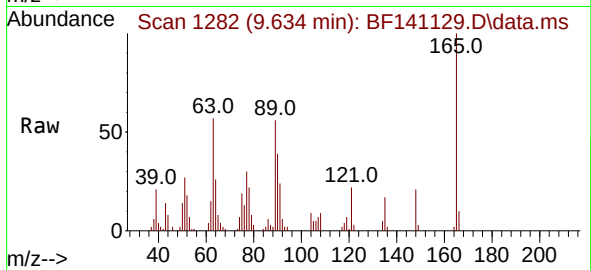
#51
2,6-Dinitrotoluene
Concen: 3.629 ng
RT: 9.634 min Scan# 1282
Delta R.T. -0.012 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:165 Resp: 1763
Ion Ratio Lower Upper
165 100
63 56.8 42.3 63.5
89 56.4 43.1 64.7

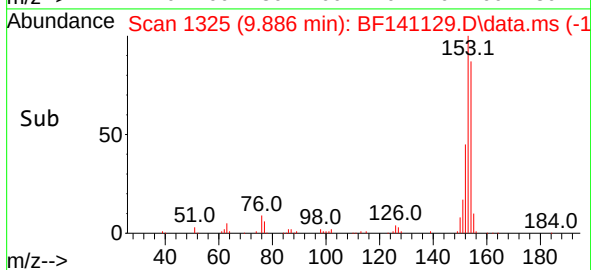
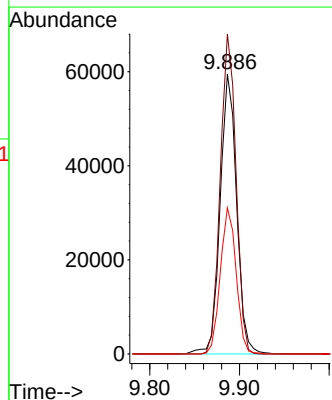
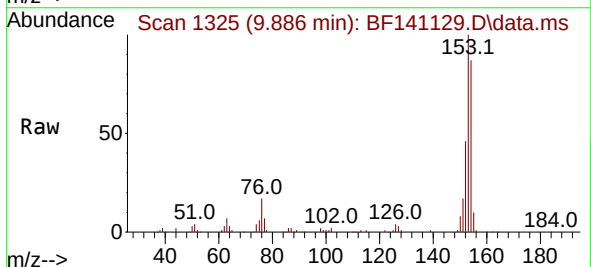
Manual Integrations
APPROVED

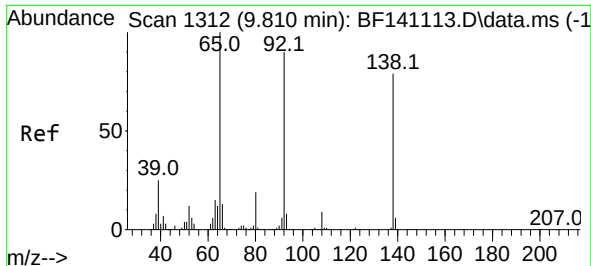
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#52
Acenaphthene
Concen: 4.036 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

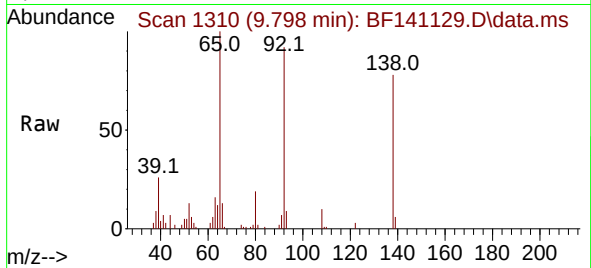
Tgt Ion:154 Resp: 75823
Ion Ratio Lower Upper
154 100
153 114.4 89.8 134.6
152 52.2 40.8 61.2





#53
3-Nitroaniline
Concen: 3.855 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

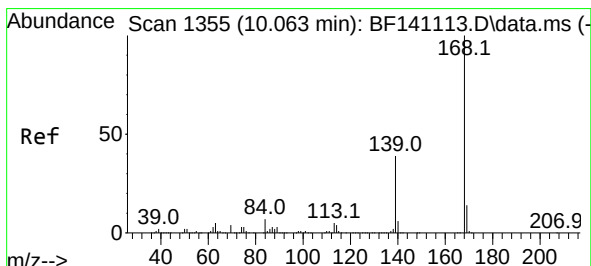
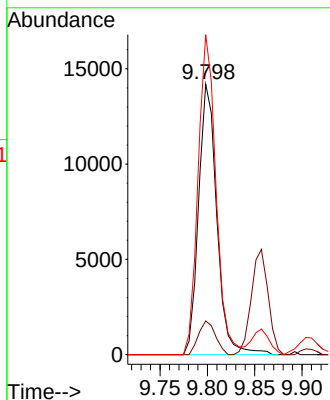
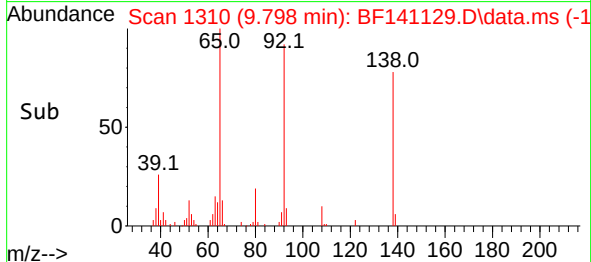
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



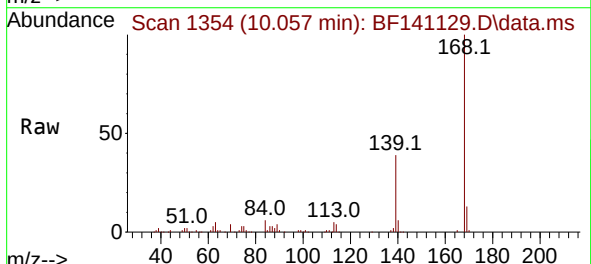
Tgt Ion:138 Resp: 19030
Ion Ratio Lower Upper
138 100
108 12.5 8.8 13.2
92 118.2 91.3 136.9

Manual Integrations
APPROVED

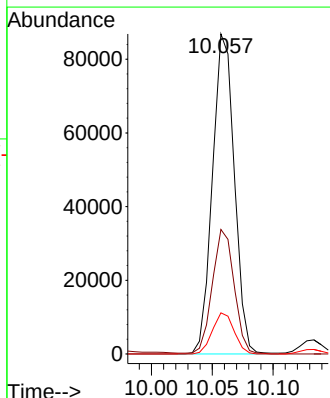
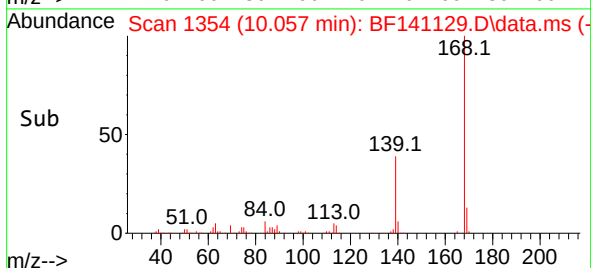
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025

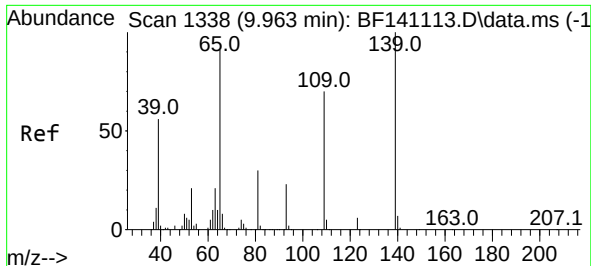


#55
Dibenzofuran
Concen: 4.260 ng
RT: 10.057 min Scan# 1354
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37



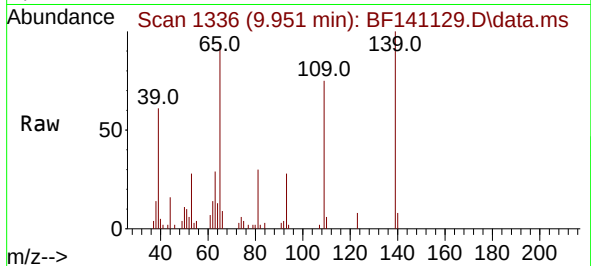
Tgt Ion:168 Resp: 108873
Ion Ratio Lower Upper
168 100
139 38.9 31.4 47.0
169 12.9 10.9 16.3





#56
4-Nitrophenol
Concen: 3.211 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

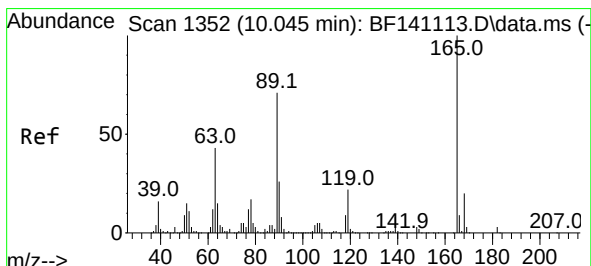
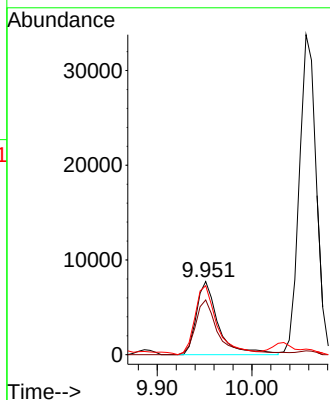
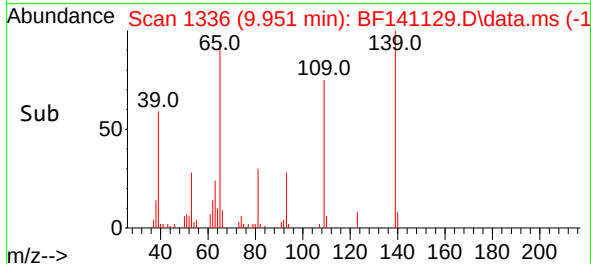
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:139 Resp: 12414
Ion Ratio Lower Upper
139 100
109 74.8 50.2 90.2
65 94.2 72.1 112.1

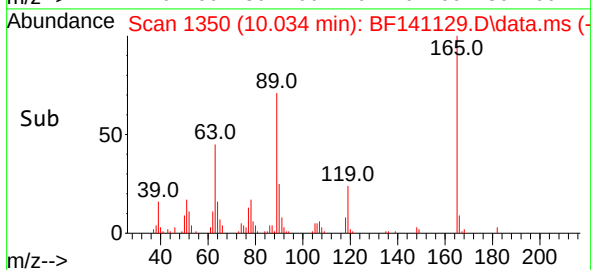
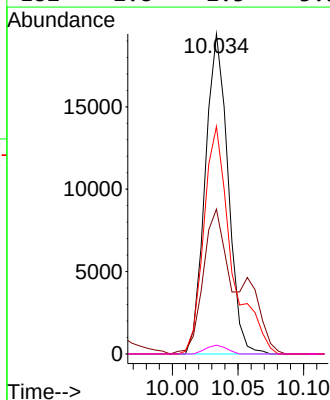
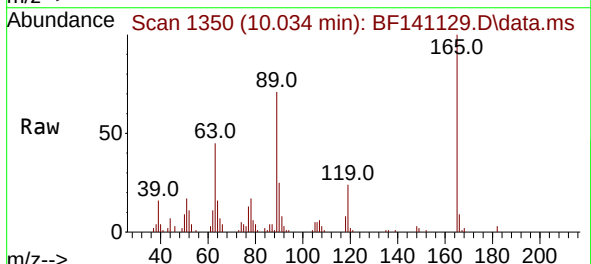
Manual Integrations
APPROVED

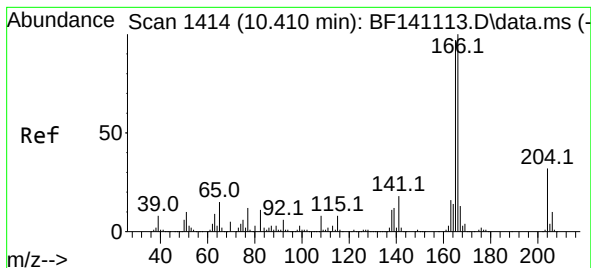
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#57
2,4-Dinitrotoluene
Concen: 3.761 ng
RT: 10.034 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

Tgt Ion:165 Resp: 23549
Ion Ratio Lower Upper
165 100
63 45.2 35.0 52.4
89 71.1 56.7 85.1
182 2.8 2.3 3.5





#58

Fluorene

Concen: 4.297 ng

RT: 10.404 min Scan# 1414

Delta R.T. -0.006 min

Lab File: BF141129.D

Acq: 13 Jan 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

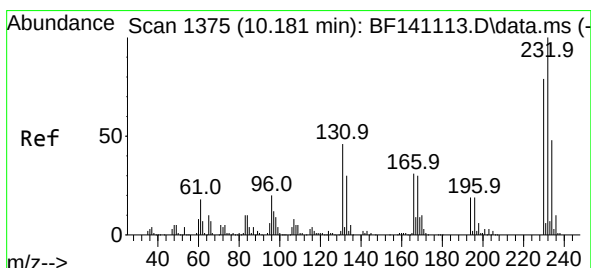
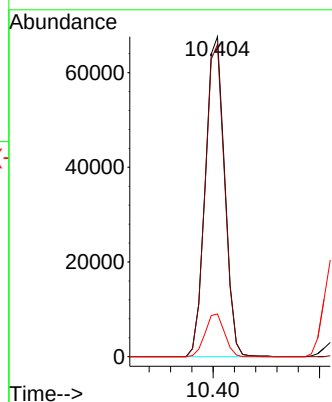
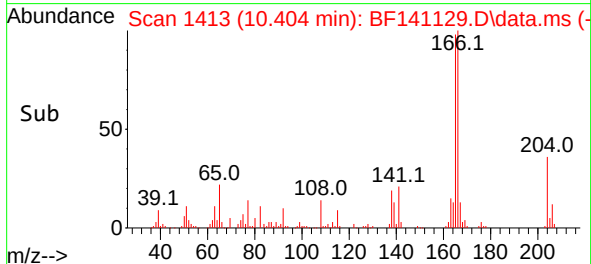
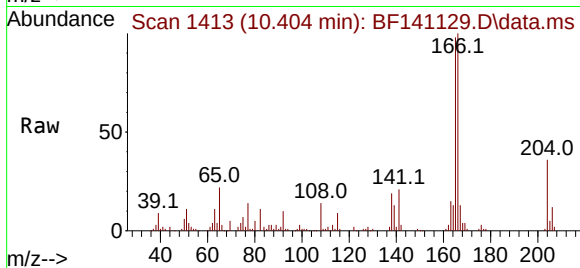
Tgt Ion:	166	Resp:	8531
Ion Ratio	Lower	Upper	
166	100		
165	97.5	77.8	116.8
167	13.4	10.8	16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/14/2025

Supervised By :mohammad ahmed 01/14/2025



#59

2,3,4,6-Tetrachlorophenol

Concen: 3.816 ng

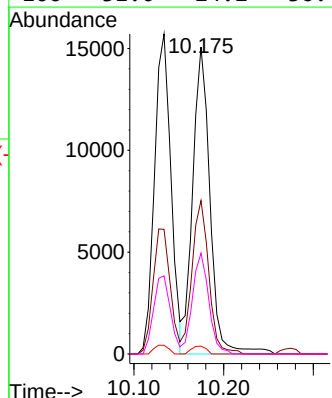
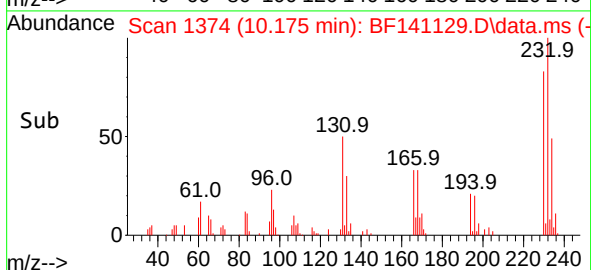
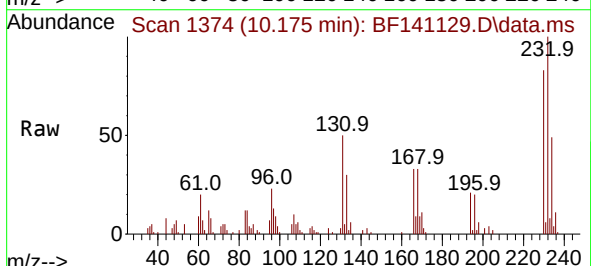
RT: 10.175 min Scan# 1374

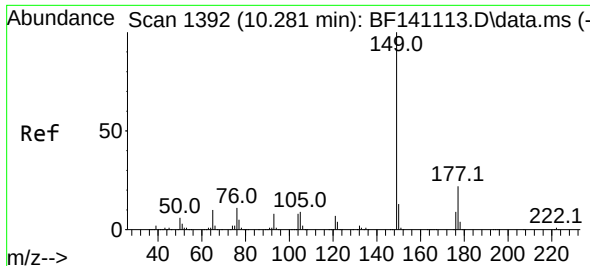
Delta R.T. -0.006 min

Lab File: BF141129.D

Acq: 13 Jan 2025 16:37

Tgt Ion:	232	Resp:	20179
Ion Ratio	Lower	Upper	
232	100		
131	48.4	36.2	54.4
130	2.1	2.0	3.0
166	31.0	24.2	36.4





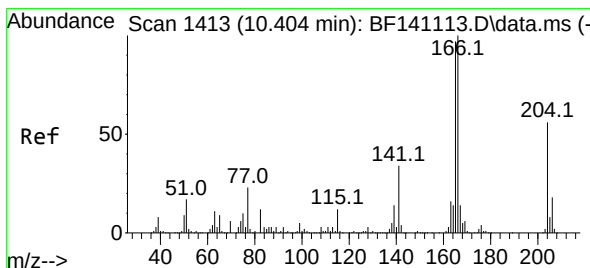
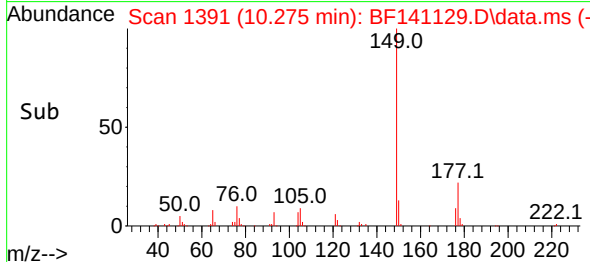
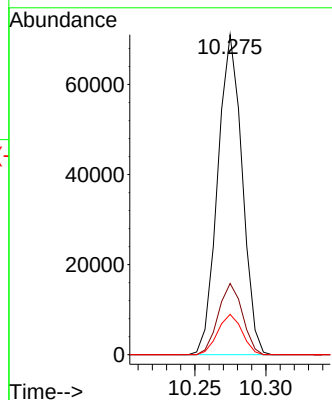
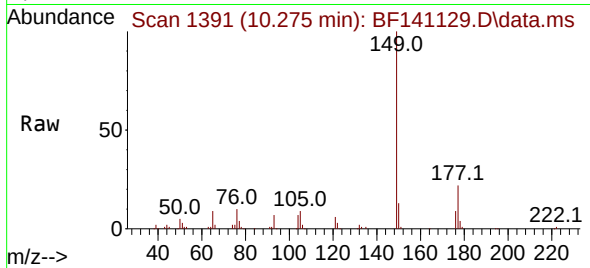
#60
Diethylphthalate
Concen: 4.166 ng
RT: 10.275 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:149 Resp: 8496
Ion Ratio Lower Upper
149 100
177 22.2 17.9 26.9
150 12.6 10.2 15.2

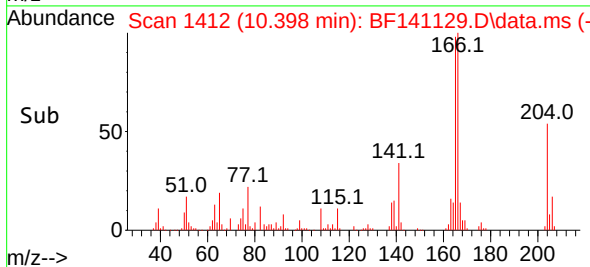
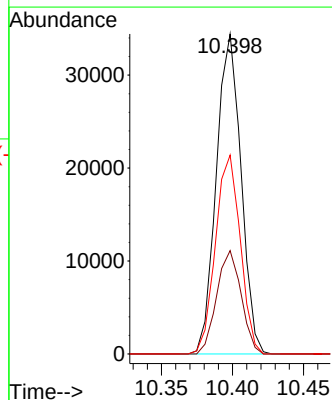
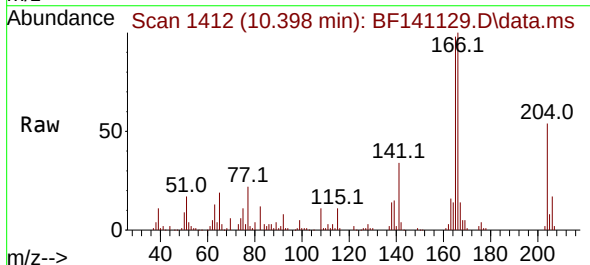
Manual Integrations
APPROVED

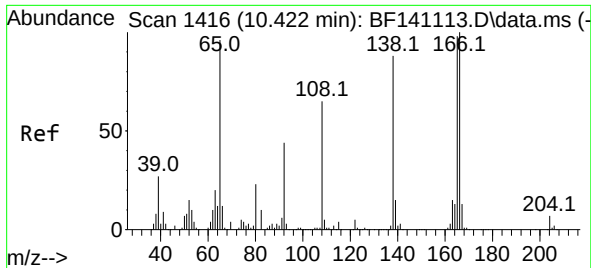
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#61
4-Chlorophenyl-phenylether
Concen: 4.303 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

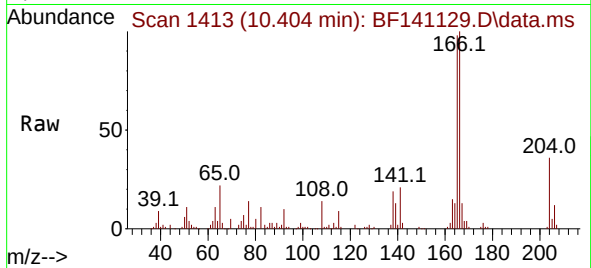
Tgt Ion:204 Resp: 41641
Ion Ratio Lower Upper
204 100
206 32.3 25.9 38.9
141 62.2 49.1 73.7





#62
4-Nitroaniline
Concen: 3.561 ng
RT: 10.404 min Scan# 1416
Delta R.T. -0.018 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

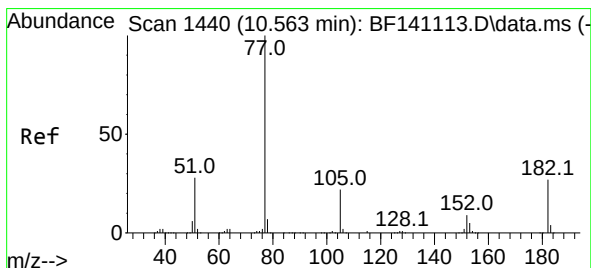
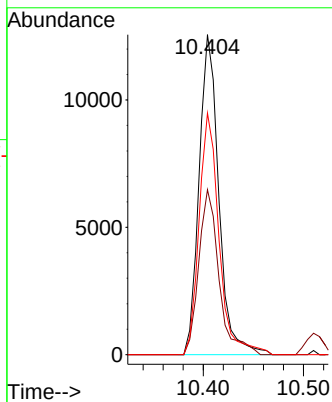
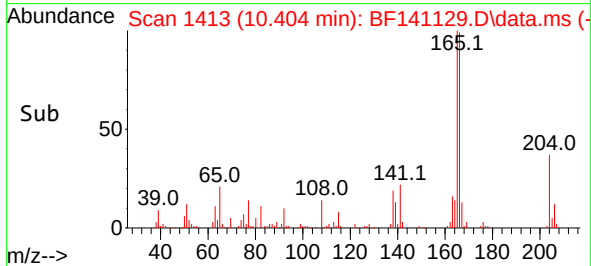
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:138 Resp: 1720
Ion Ratio Lower Upper
138 100
92 51.5 29.4 69.4
108 75.5 53.7 93.7

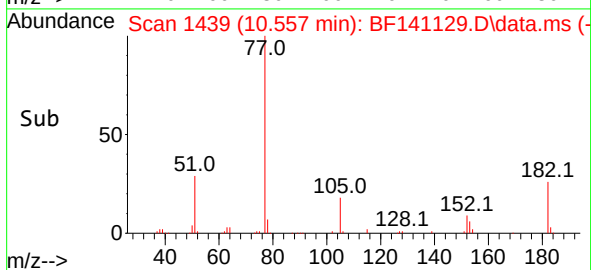
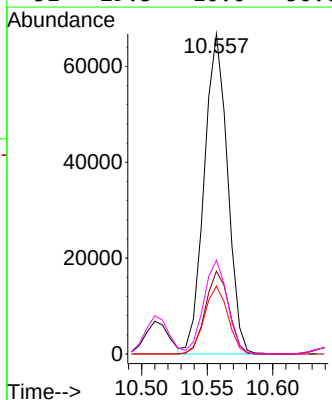
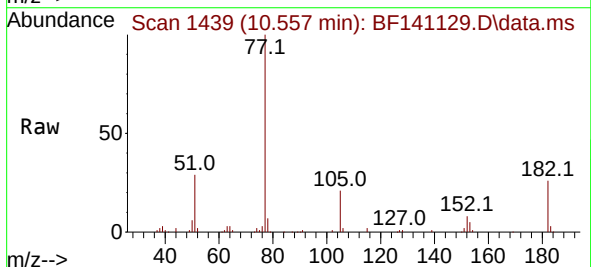
Manual Integrations
APPROVED

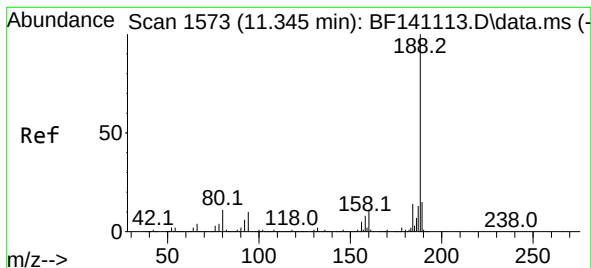
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#63
Azobenzene
Concen: 4.117 ng
RT: 10.557 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

Tgt Ion: 77 Resp: 82857
Ion Ratio Lower Upper
77 100
182 25.9 6.1 46.1
105 21.2 2.1 42.1
51 29.3 10.0 50.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141129.D

Acq: 13 Jan 2025 16:37

Instrument :

BNA_F

ClientSampleId :

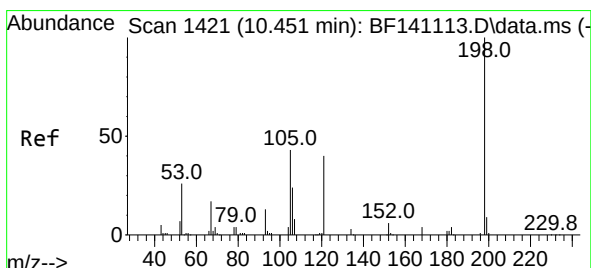
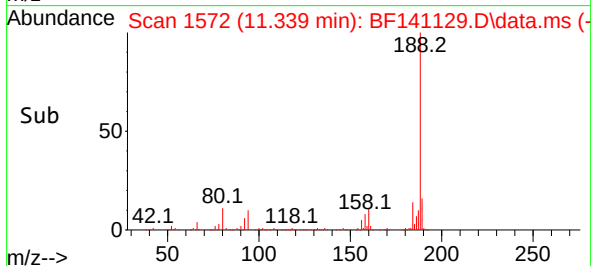
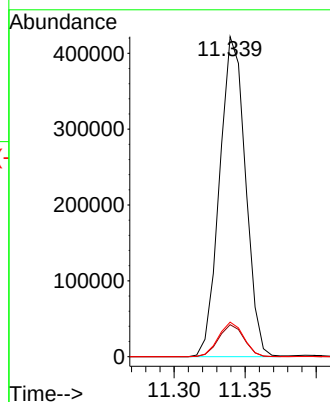
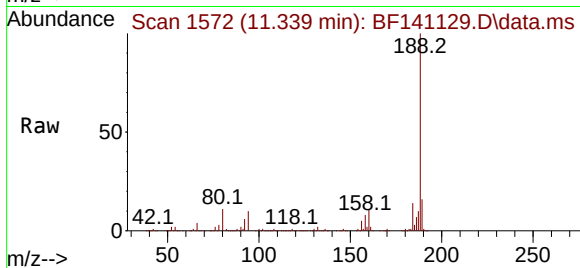
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:188 Resp: 534711
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.3 12.5
 80 10.8 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/14/2025
 Supervised By :mohammad ahmed 01/14/2025



#65

4,6-Dinitro-2-methylphenol

Concen: 2.528 ng

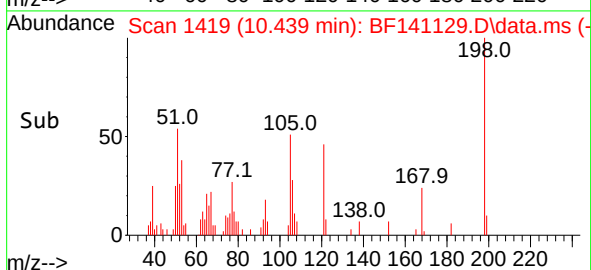
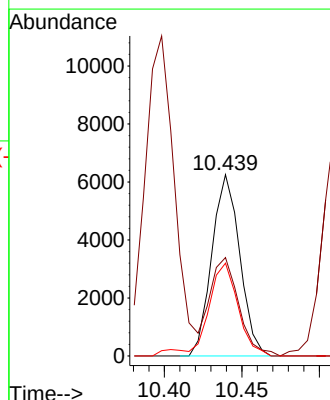
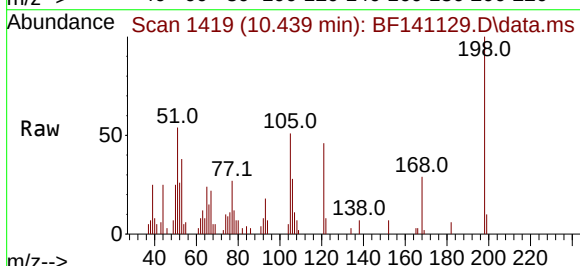
RT: 10.439 min Scan# 1419

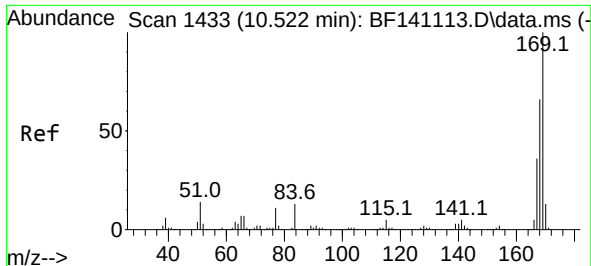
Delta R.T. -0.012 min

Lab File: BF141129.D

Acq: 13 Jan 2025 16:37

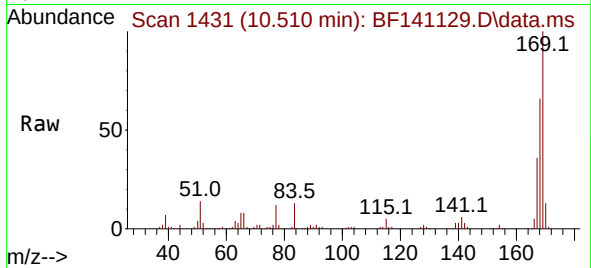
Tgt Ion:198 Resp: 7834
 Ion Ratio Lower Upper
 198 100
 51 54.3 27.1 67.1
 105 51.2 24.2 64.2





#66
n-Nitrosodiphenylamine
Concen: 4.174 ng
RT: 10.510 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

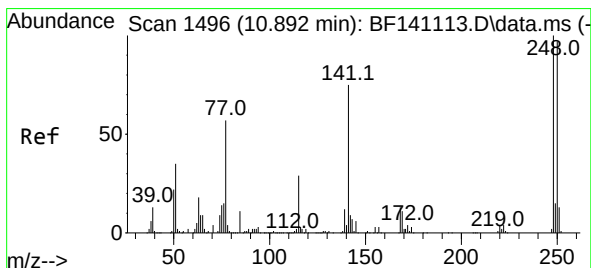
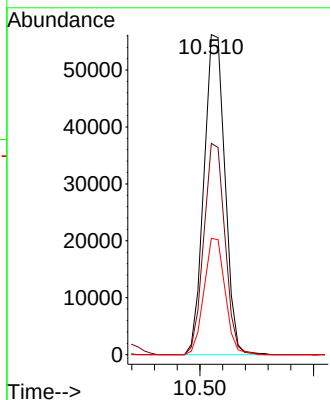
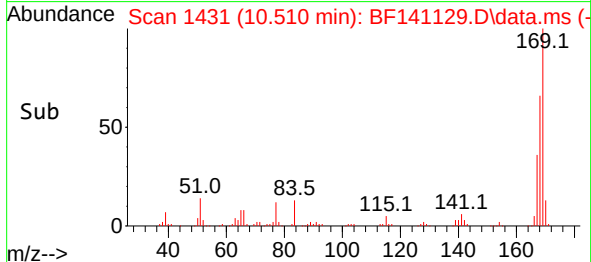
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:169 Resp: 71990
Ion Ratio Lower Upper
169 100
168 66.1 52.5 78.7
167 36.4 28.9 43.3

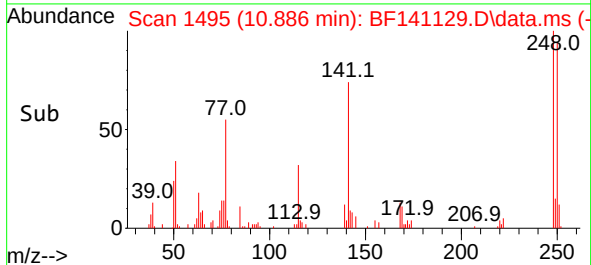
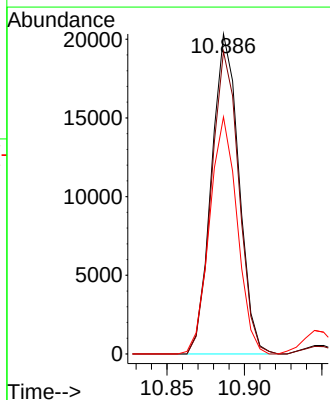
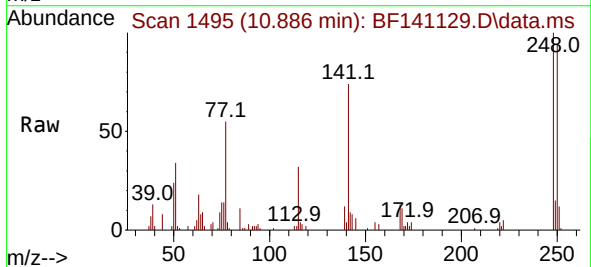
Manual Integrations
APPROVED

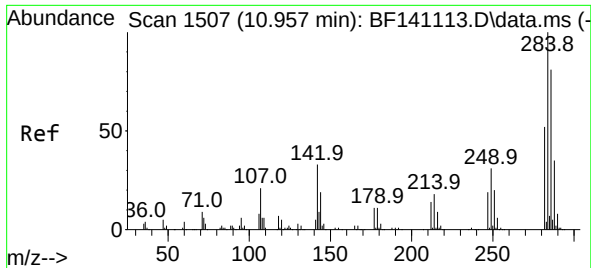
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#67
4-Bromophenyl-phenylether
Concen: 4.069 ng
RT: 10.886 min Scan# 1495
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

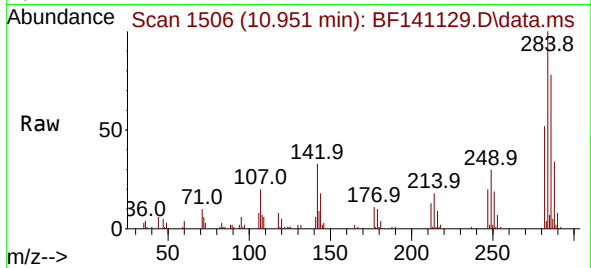
Tgt Ion:248 Resp: 25048
Ion Ratio Lower Upper
248 100
250 94.5 77.9 116.9
141 74.0 59.9 89.9





#68
Hexachlorobenzene
Concen: 4.172 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

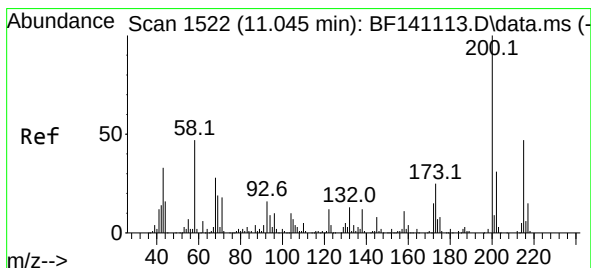
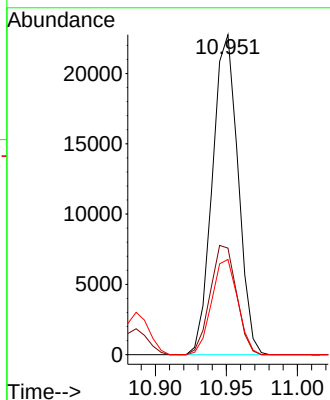
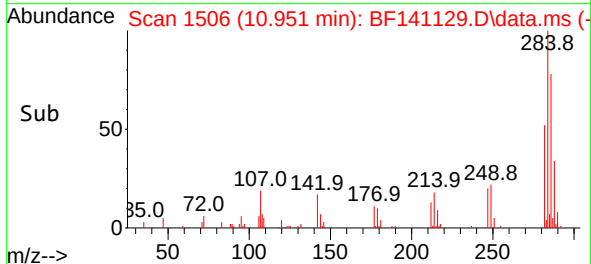
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



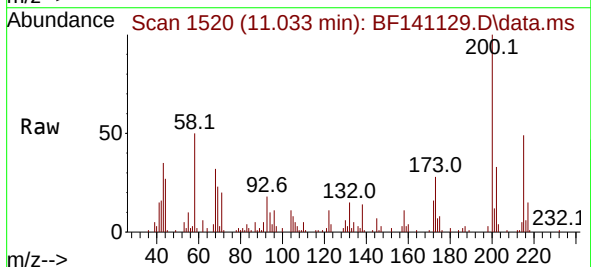
Tgt Ion:284 Resp: 28590
Ion Ratio Lower Upper
284 100
142 33.3 26.3 39.5
249 29.7 24.9 37.3

Manual Integrations
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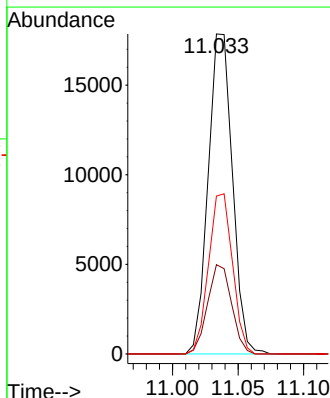
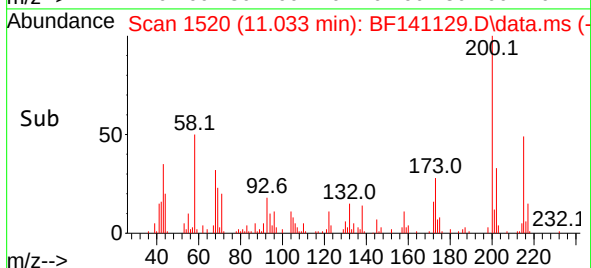
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025

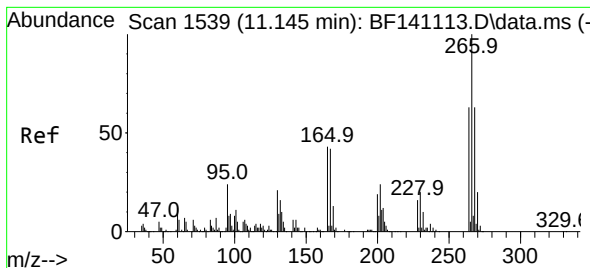


#69
Atrazine
Concen: 4.957 ng
RT: 11.033 min Scan# 1520
Delta R.T. -0.012 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37



Tgt Ion:200 Resp: 23021
Ion Ratio Lower Upper
200 100
173 27.9 5.4 45.4
215 49.4 26.6 66.6





#70

Pentachlorophenol

Concen: 3.087 ng

RT: 11.139 min Scan# 1538

Delta R.T. -0.006 min

Lab File: BF141129.D

Acq: 13 Jan 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

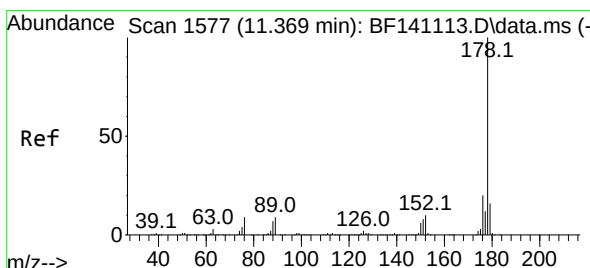
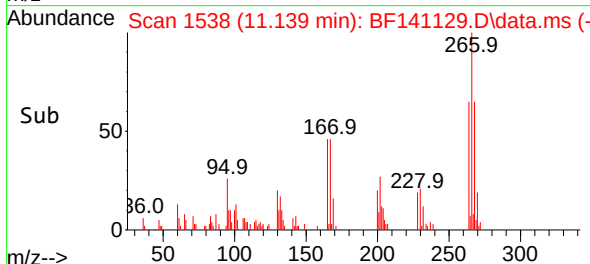
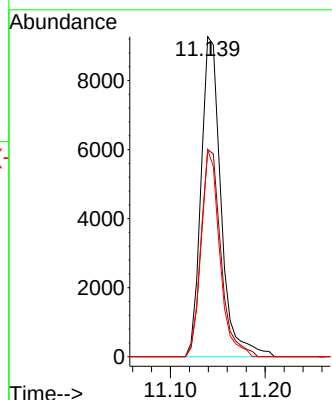
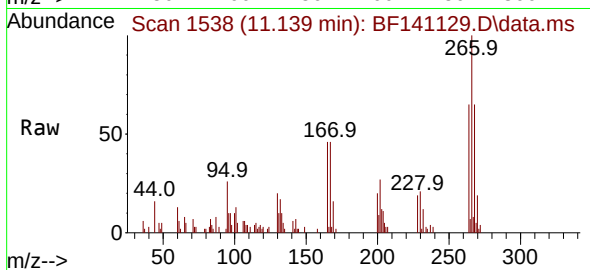
Tgt Ion:	266	Resp:	13548
Ion Ratio	Lower	Upper	
266	100		
268	64.7	50.4	75.6
264	64.6	50.2	75.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/14/2025

Supervised By :mohammad ahmed 01/14/2025



#71

Phenanthrene

Concen: 4.332 ng

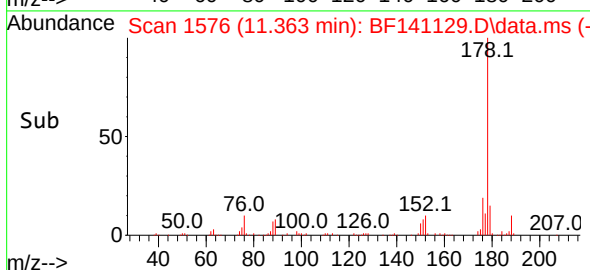
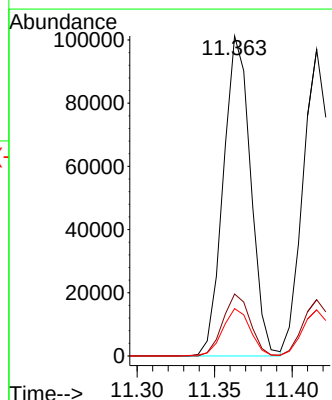
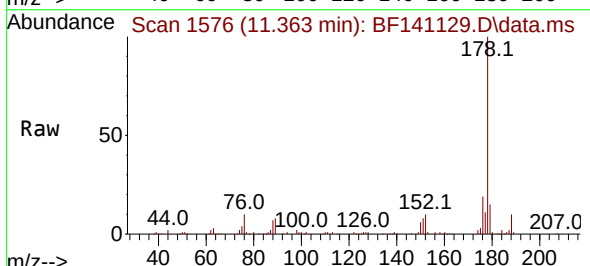
RT: 11.363 min Scan# 1576

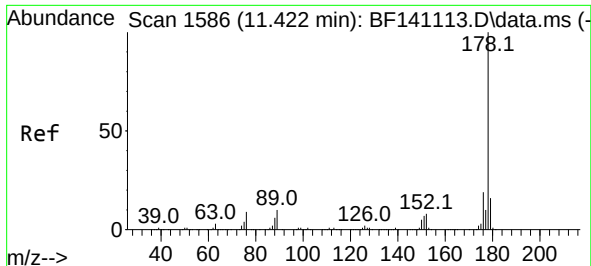
Delta R.T. -0.006 min

Lab File: BF141129.D

Acq: 13 Jan 2025 16:37

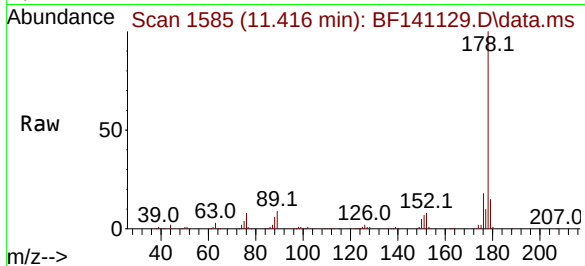
Tgt Ion:	178	Resp:	124364
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.7	23.5
179	14.8	12.6	19.0





#72
 Anthracene
 Concen: 4.330 ng
 RT: 11.416 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141129.D
 Acq: 13 Jan 2025 16:37

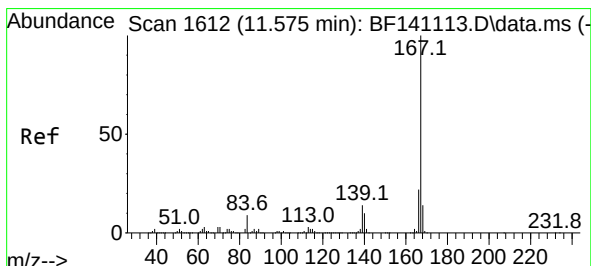
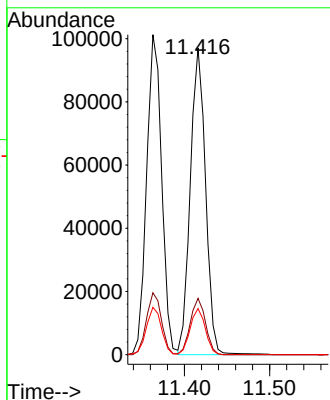
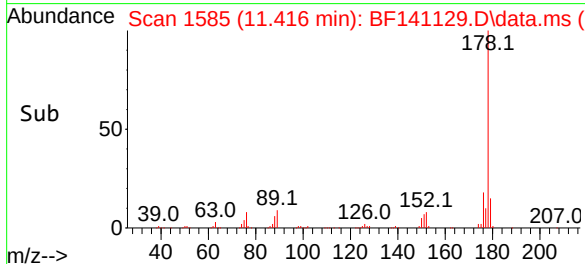
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2024



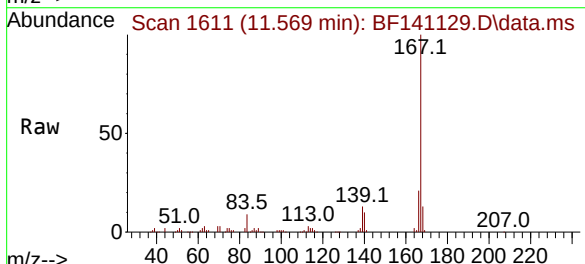
Tgt Ion:178 Resp: 12085
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.9 22.3
 179 15.1 12.6 19.0

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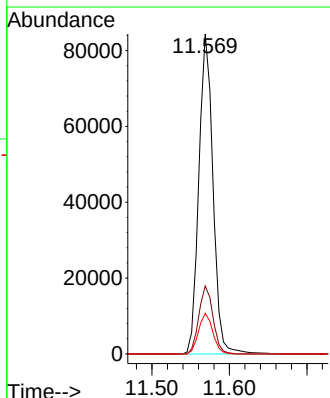
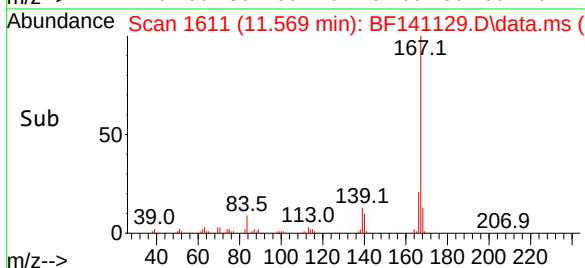
Reviewed By :Yogesh Patel 01/14/2025
 Supervised By :mohammad ahmed 01/14/2025

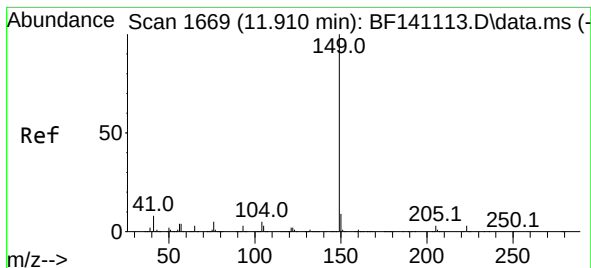


#73
 Carbazole
 Concen: 4.184 ng
 RT: 11.569 min Scan# 1611
 Delta R.T. -0.006 min
 Lab File: BF141129.D
 Acq: 13 Jan 2025 16:37



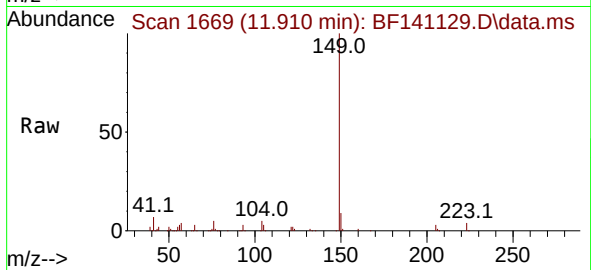
Tgt Ion:167 Resp: 107085
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.4 26.2
 139 12.7 10.9 16.3





#74
Di-n-butylphthalate
Concen: 4.137 ng
RT: 11.910 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

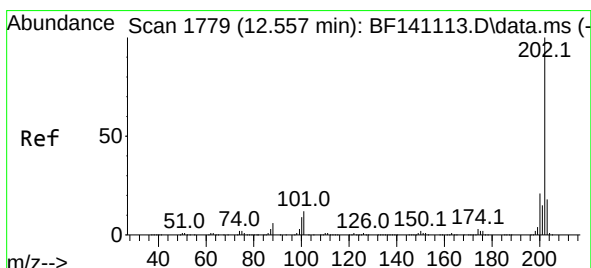
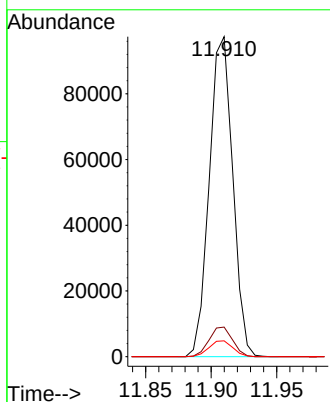
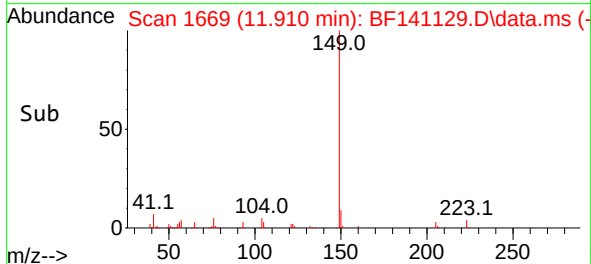
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024



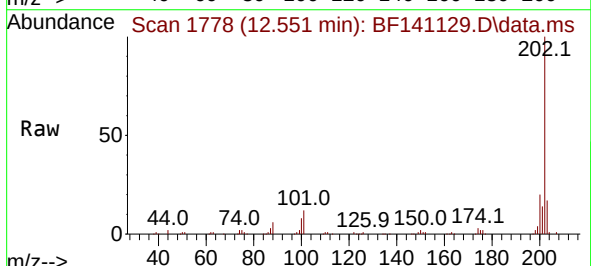
Tgt Ion:149 Resp: 121174
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 5.0 4.2 6.2

Manual Integrations
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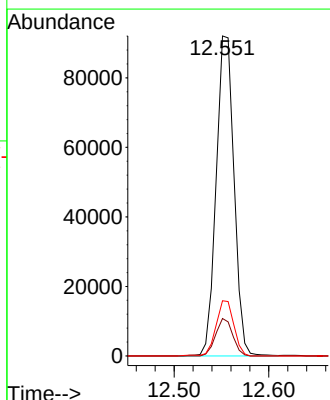
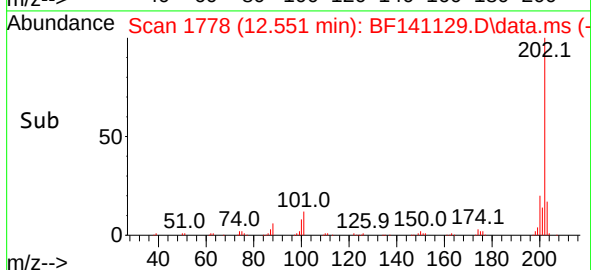
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025

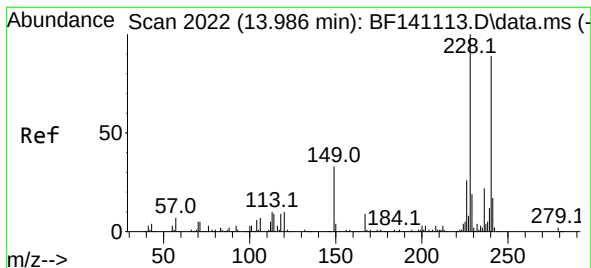


#75
Fluoranthene
Concen: 4.223 ng
RT: 12.551 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37



Tgt Ion:202 Resp: 120970
Ion Ratio Lower Upper
202 100
101 11.7 0.0 32.3
203 17.2 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 2022

Delta R.T. 0.000 min

Lab File: BF141129.D

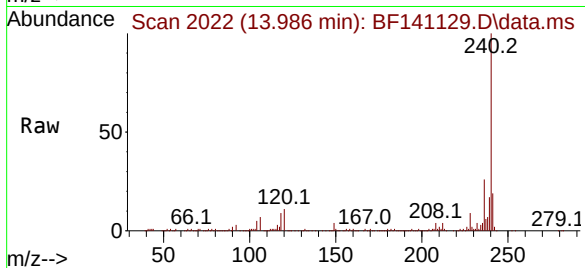
Acq: 13 Jan 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



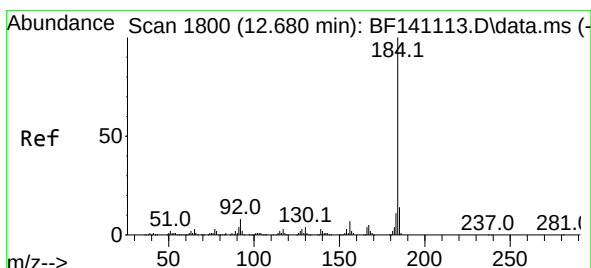
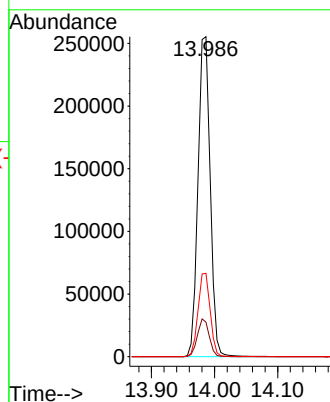
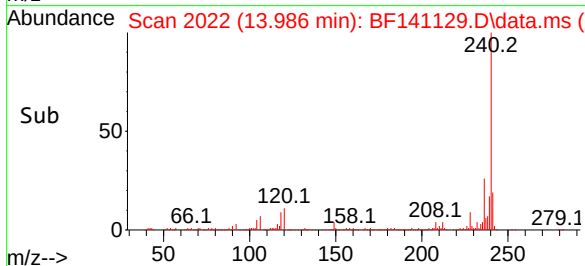
Tgt Ion:	240	Resp:	341829
Ion Ratio	Lower	Upper	
240	100		
120	10.8	9.1	13.7
236	26.1	19.8	29.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/14/2025

Supervised By :mohammad ahmed 01/14/2025



#77

Benzidine

Concen: 4.433 ng

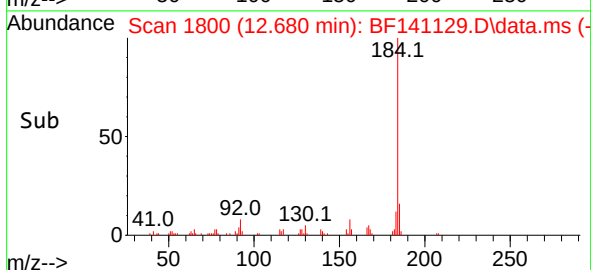
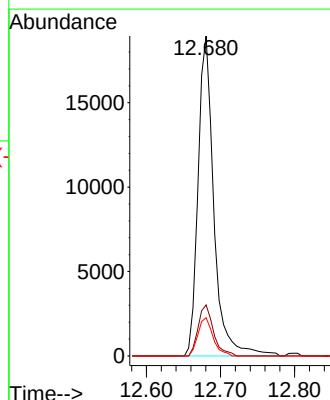
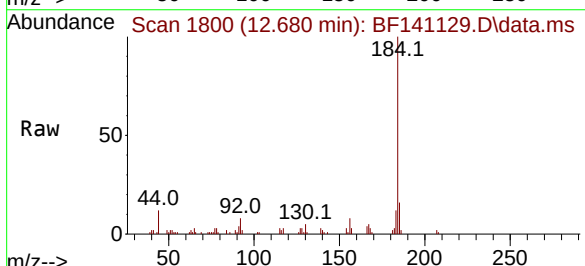
RT: 12.680 min Scan# 1800

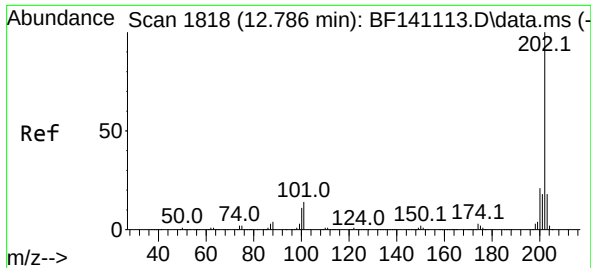
Delta R.T. 0.000 min

Lab File: BF141129.D

Acq: 13 Jan 2025 16:37

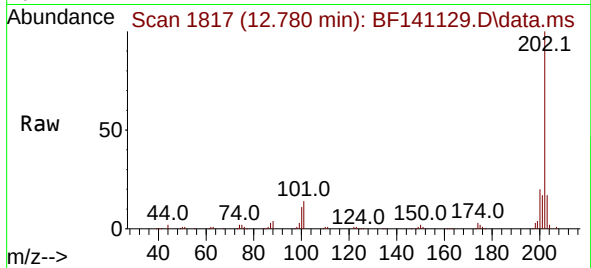
Tgt Ion:	184	Resp:	28100
Ion Ratio	Lower	Upper	
184	100		
185	16.0	11.4	17.0
183	11.9	9.2	13.8





#78
Pyrene
Concen: 3.844 ng
RT: 12.780 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

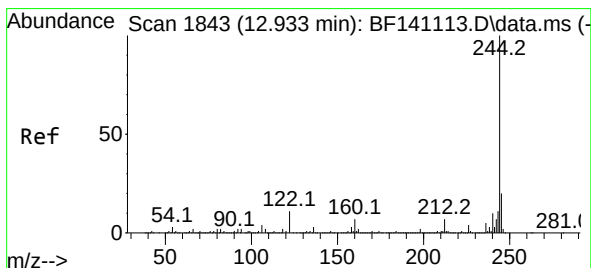
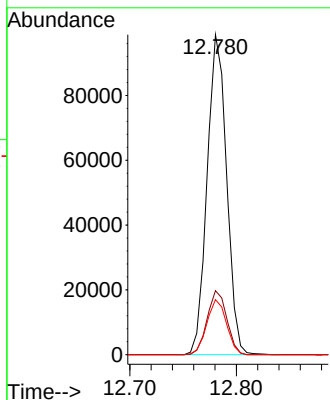
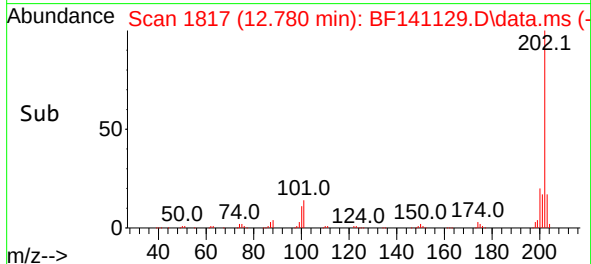
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024



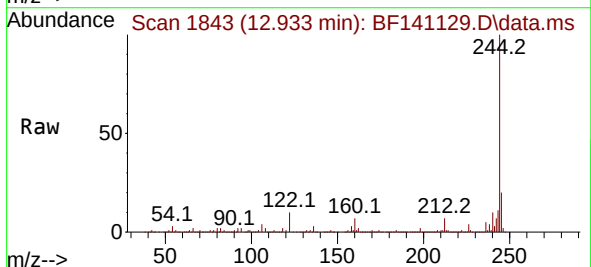
Tgt Ion:202 Resp: 125500
Ion Ratio Lower Upper
202 100
200 20.0 16.8 25.2
203 17.2 14.3 21.5

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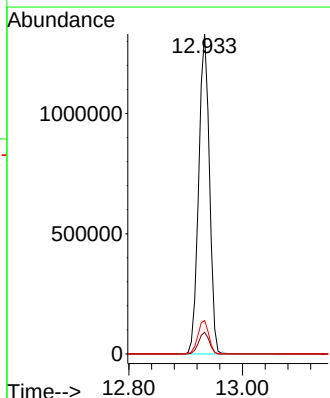
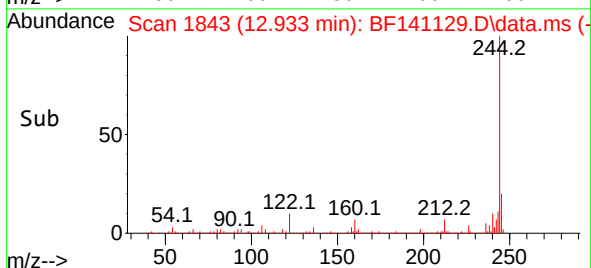
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025

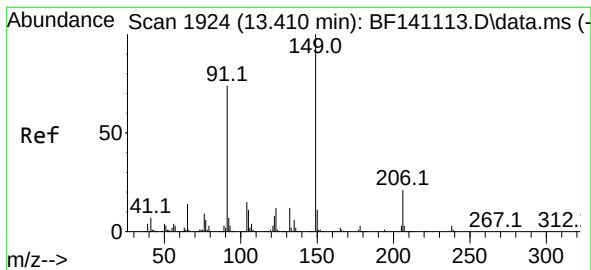


#79
Terphenyl-d14
Concen: 76.040 ng
RT: 12.933 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37



Tgt Ion:244 Resp: 1748809
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 10.5 8.8 13.2





#80

Butylbenzylphthalate

Concen: 3.661 ng

RT: 13.410 min Scan# 1924

Delta R.T. 0.000 min

Lab File: BF141129.D

Acq: 13 Jan 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

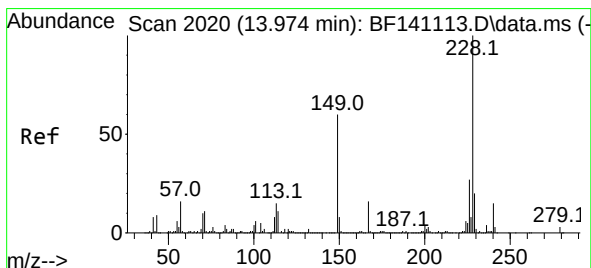
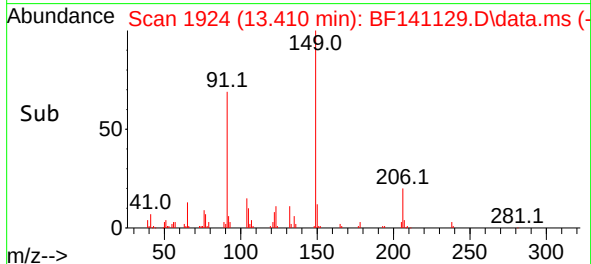
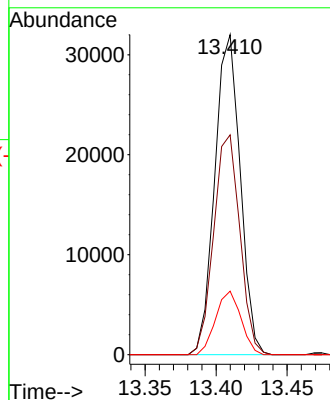
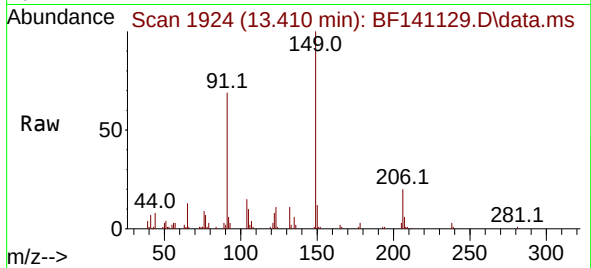
Tgt Ion:	149	Resp:	3985
Ion Ratio	Lower	Upper	
149	100		
91	68.7	59.0	88.6
206	19.8	16.5	24.7

Manual Integrations

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Reviewed By :Yogesh Patel 01/14/2025

Supervised By :mohammad ahmed 01/14/2025



#81

Benzo(a)anthracene

Concen: 4.131 ng

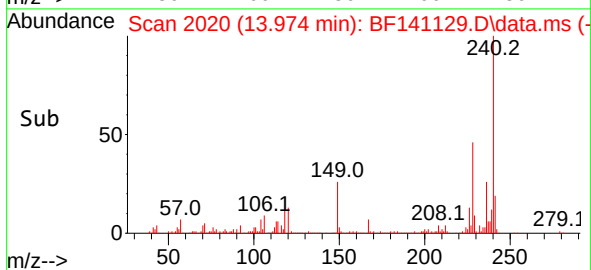
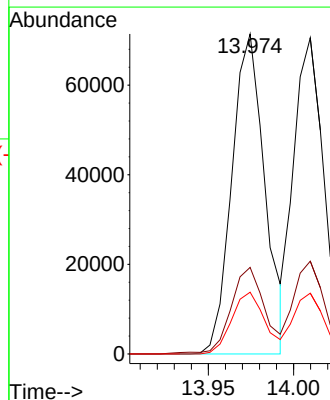
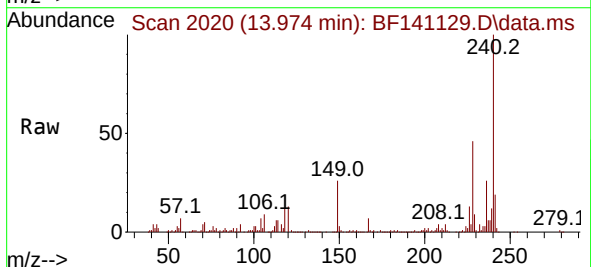
RT: 13.974 min Scan# 2020

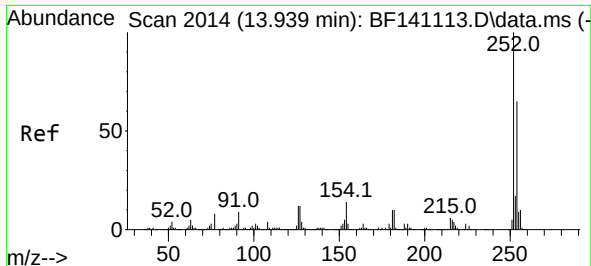
Delta R.T. 0.000 min

Lab File: BF141129.D

Acq: 13 Jan 2025 16:37

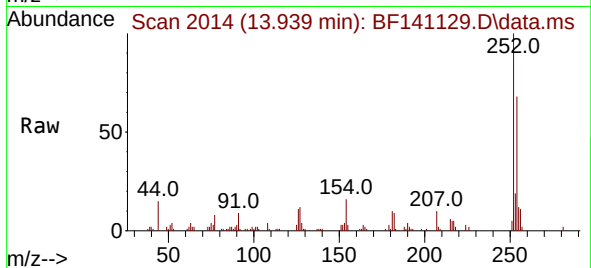
Tgt Ion:	228	Resp:	96104
Ion Ratio	Lower	Upper	
228	100		
226	27.1	21.7	32.5
229	19.3	15.7	23.5





#82
3,3'-Dichlorobenzidine
Concen: 3.464 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

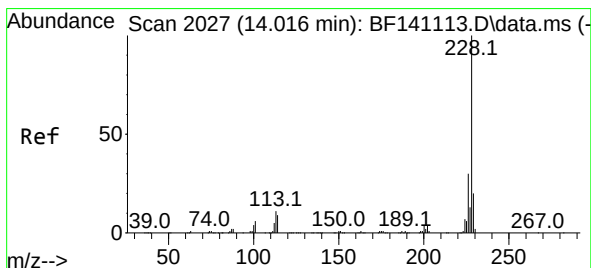
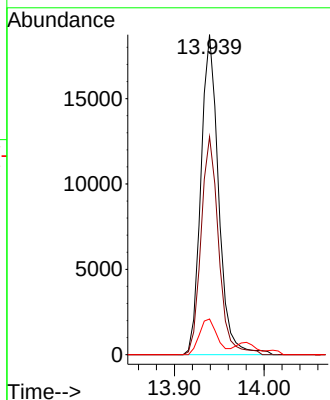
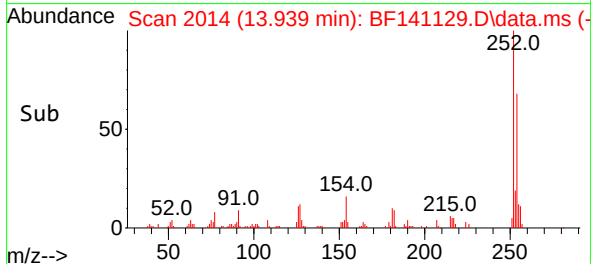
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:252 Resp: 2566
Ion Ratio Lower Upper
252 100
254 68.1 52.0 78.0
126 11.2 9.4 14.0

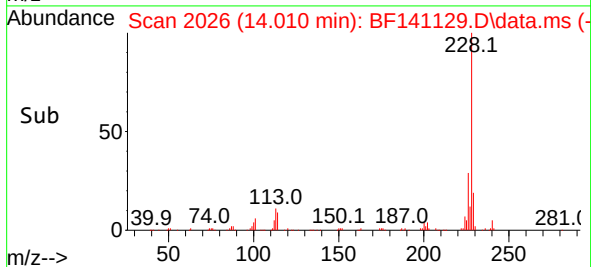
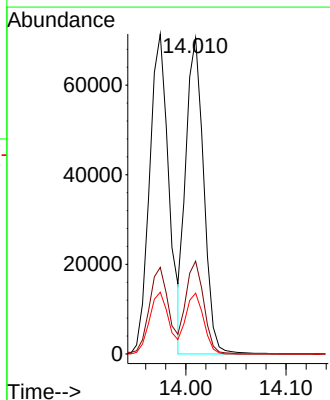
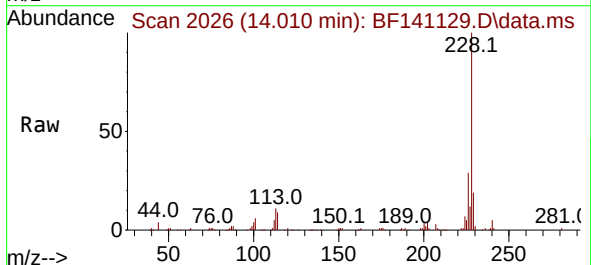
Manual Integrations
APPROVED

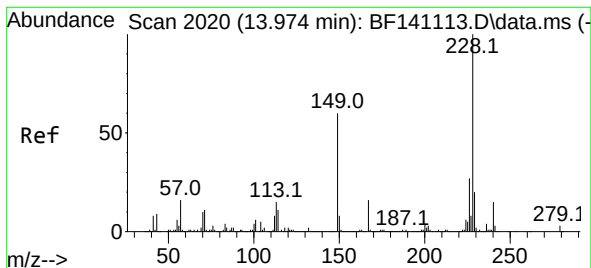
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#83
Chrysene
Concen: 4.017 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

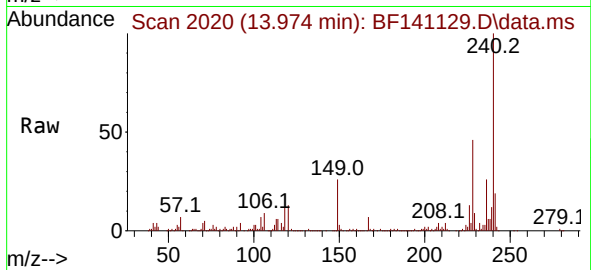
Tgt Ion:228 Resp: 87448
Ion Ratio Lower Upper
228 100
226 29.4 23.8 35.8
229 19.2 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.923 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

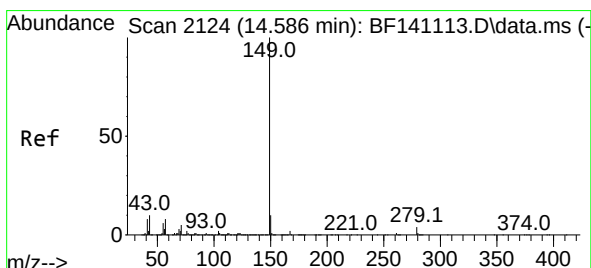
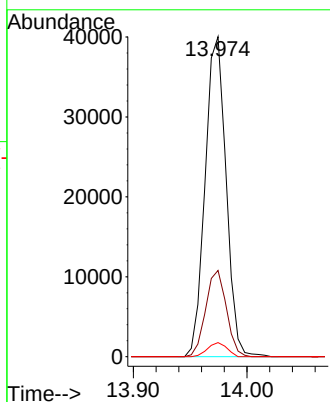
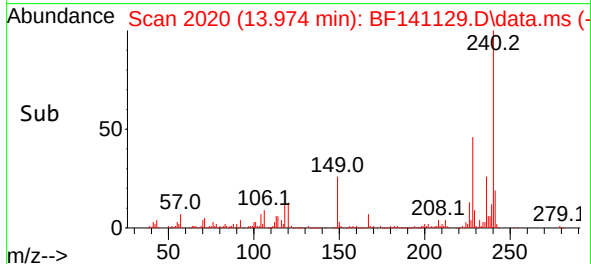
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:149 Resp: 5124
Ion Ratio Lower Upper
149 100
167 27.0 21.4 32.2
279 4.4 3.4 5.2

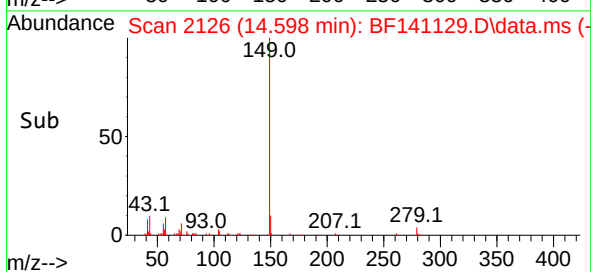
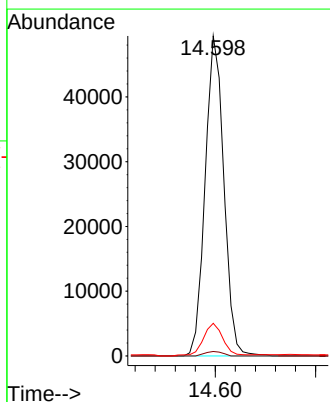
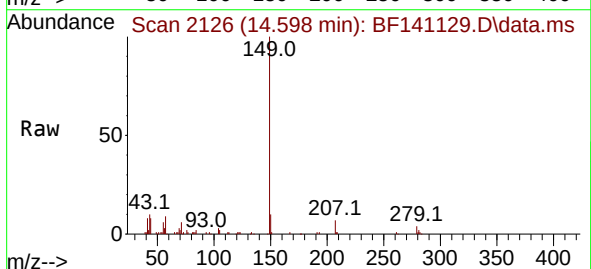
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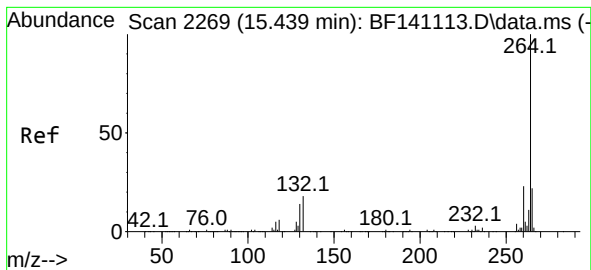
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#85
Di-n-octyl phthalate
Concen: 3.251 ng
RT: 14.598 min Scan# 2126
Delta R.T. 0.012 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

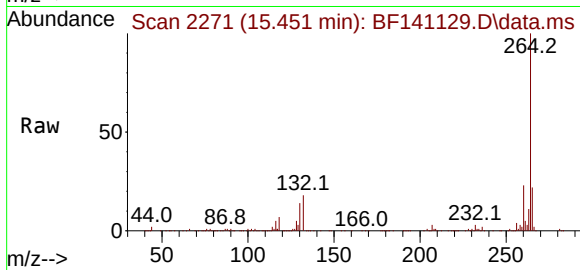
Tgt Ion:149 Resp: 64115
Ion Ratio Lower Upper
149 100
167 1.3 1.3 1.9
43 10.9 8.4 12.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

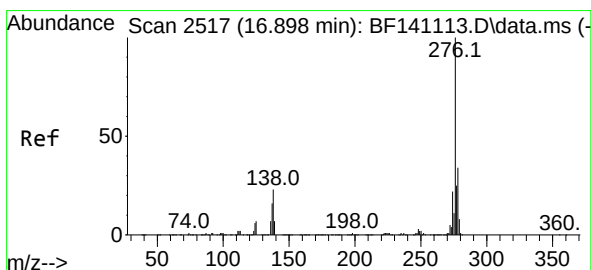
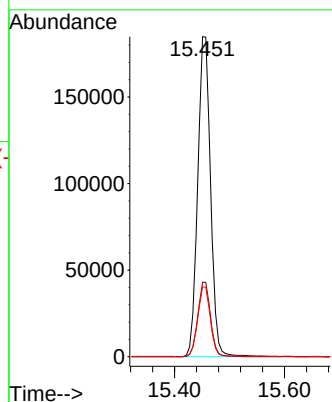
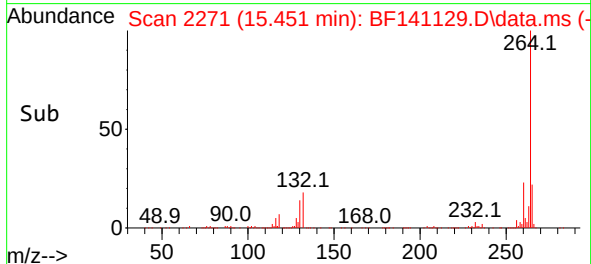
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:264 Resp: 300000
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 21.8 17.4 26.0

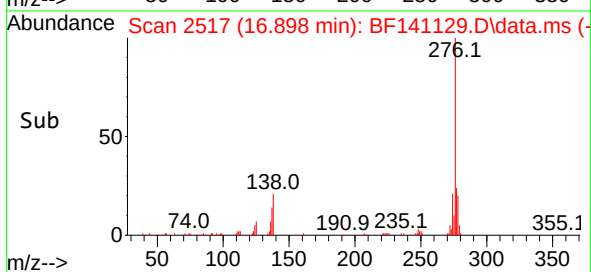
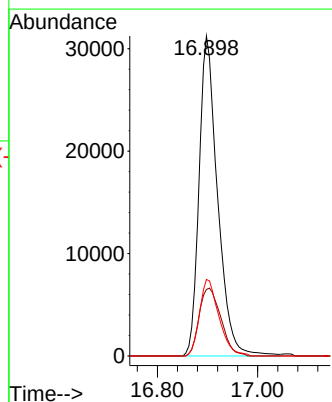
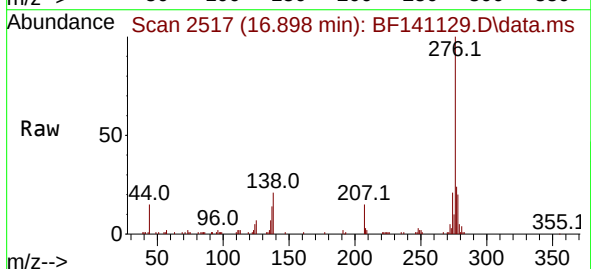
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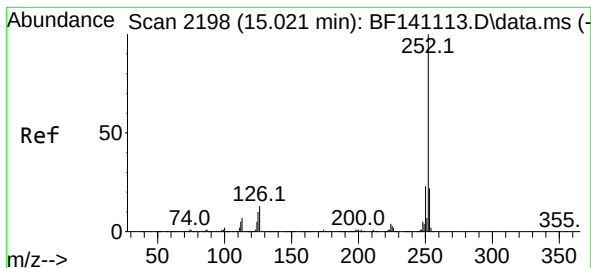
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.646 ng
RT: 16.898 min Scan# 2517
Delta R.T. 0.000 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

Tgt Ion:276 Resp: 80146
Ion Ratio Lower Upper
276 100
138 24.8 20.7 31.1
277 25.0 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 3.620 ng

RT: 15.027 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF141129.D

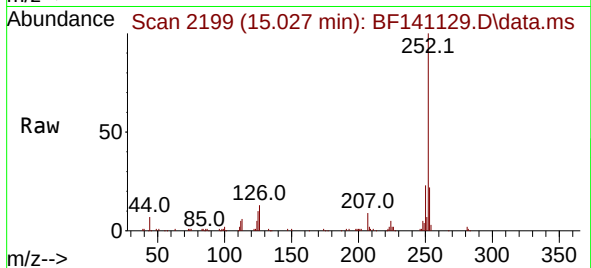
Acq: 13 Jan 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:252 Resp: 7002

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

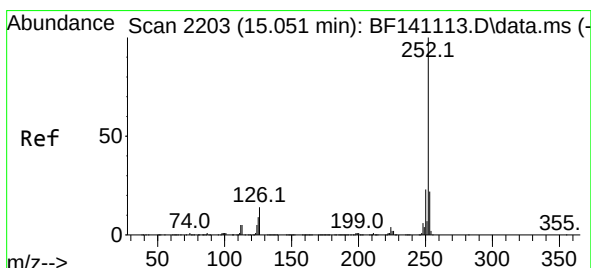
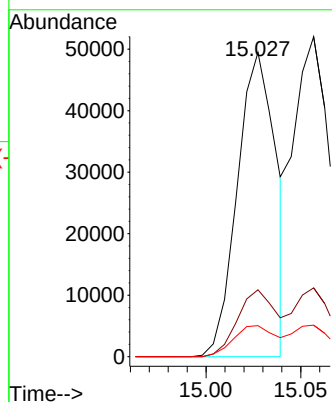
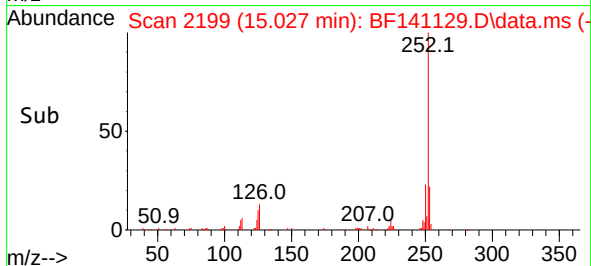
125 10.2 8.1 12.1

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Reviewed By :Yogesh Patel 01/14/2025

Supervised By :mohammad ahmed 01/14/2025



#89

Benzo(k)fluoranthene

Concen: 4.575 ng

RT: 15.057 min Scan# 2204

Delta R.T. 0.006 min

Lab File: BF141129.D

Acq: 13 Jan 2025 16:37

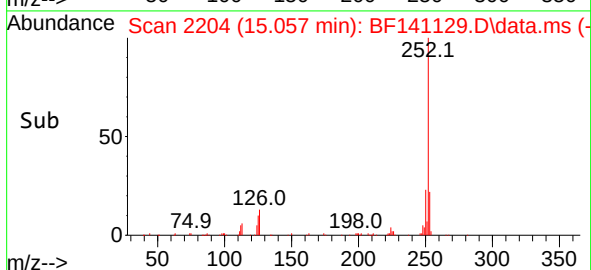
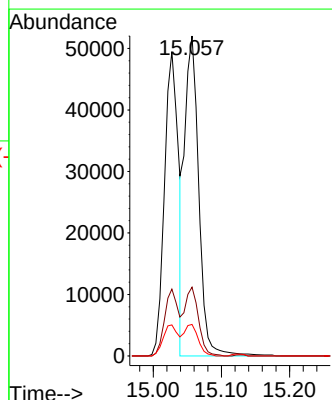
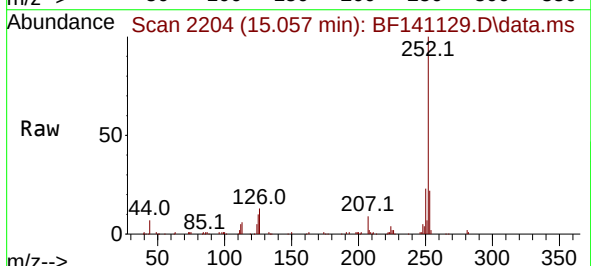
Tgt Ion:252 Resp: 74800

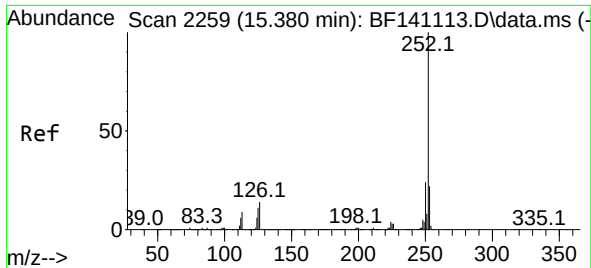
Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.8

125 9.8 7.9 11.9





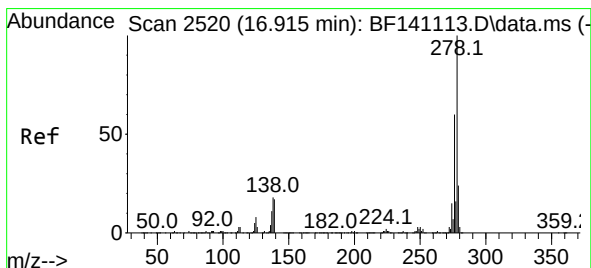
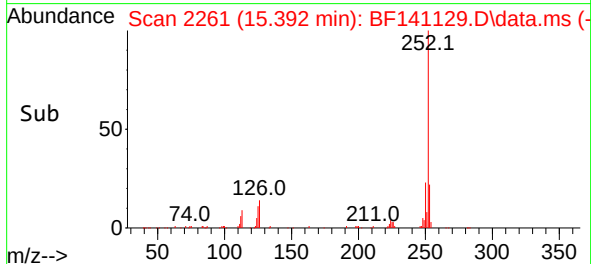
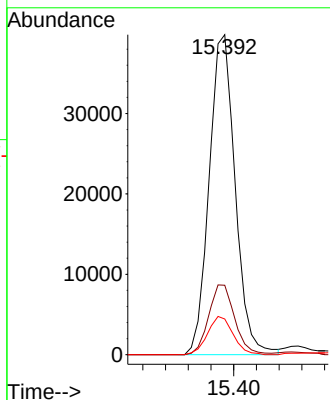
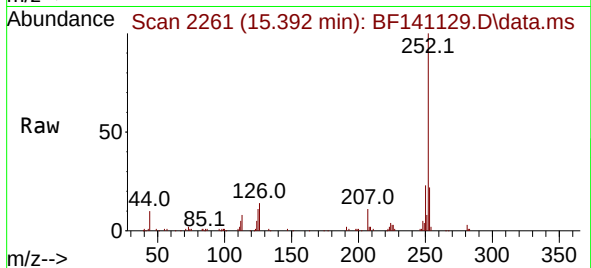
#90
Benzo(a)pyrene
Concen: 3.971 ng
RT: 15.392 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:252 Resp: 63378
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 11.1 9.1 13.7

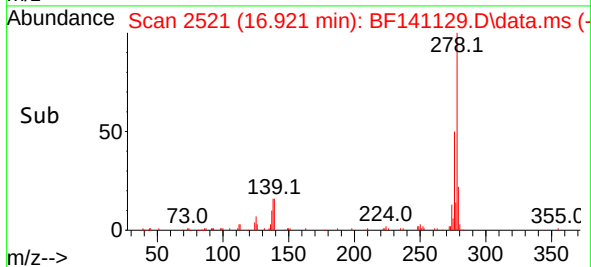
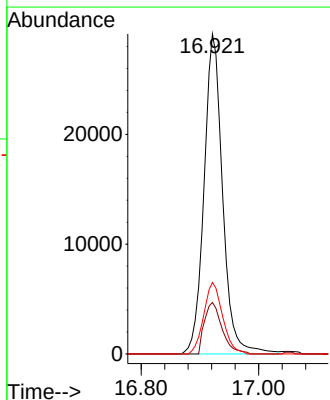
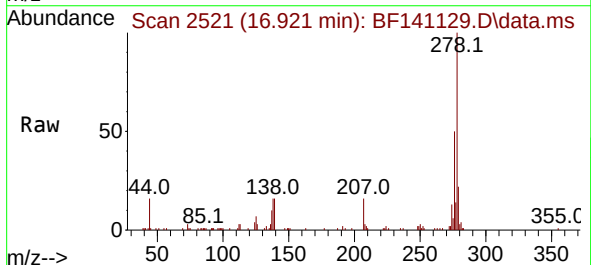
Manual Integrations
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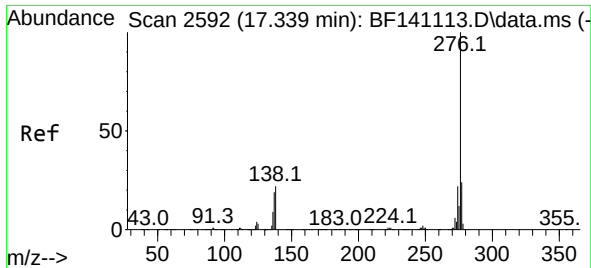
Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025



#91
Dibenzo(a,h)anthracene
Concen: 3.601 ng
RT: 16.921 min Scan# 2521
Delta R.T. 0.006 min
Lab File: BF141129.D
Acq: 13 Jan 2025 16:37

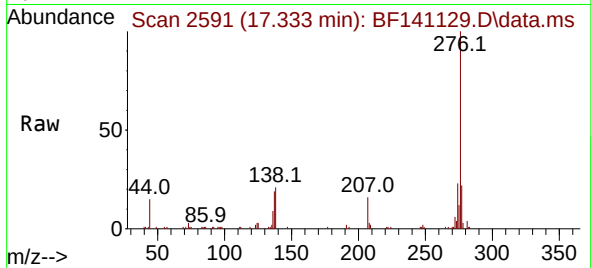
Tgt Ion:278 Resp: 64023
Ion Ratio Lower Upper
278 100
139 16.1 13.8 20.6
279 22.4 19.1 28.7





#92
 Benzo(g,h,i)perylene
 Concen: 3.517 ng
 RT: 17.333 min Scan# 2591
 Delta R.T. -0.006 min
 Lab File: BF141129.D
 Acq: 13 Jan 2025 16:37

Instrument : BNA_F
 ClientSampleId : LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:	276	Resp:	6503
Ion Ratio	Lower	Upper	
276	100		
277	22.5	19.0	28.4
138	21.0	17.4	26.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/14/2025
 Supervised By :mohammad ahmed 01/14/2025

