

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143151.D
 Acq On : 17 Jul 2025 16:36
 Operator : RC/JU
 Sample : Q2126-03
 Misc : MDL-SOIL-8PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

Quant Time: Jul 17 16:53:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	154997	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	587487	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	305985	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	502822	20.000	ng	0.00
76) Chrysene-d12	14.116	240	300380	20.000	ng	0.00
86) Perylene-d12	15.621	264	307175	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	1069276	109.169	ng	0.00
7) Phenol-d6	6.587	99	1384725	112.320	ng	0.00
23) Nitrobenzene-d5	7.516	82	907139	76.969	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	384774	121.725	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1635298	73.091	ng	0.00
79) Terphenyl-d14	13.069	244	1521252	75.364	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.804	88	33532	7.235	ng	97
3) Pyridine	3.610	79	86964	7.229	ng	99
4) n-Nitrosodimethylamine	3.504	42	45753	7.367	ng	# 98
6) Aniline	6.622	93	130123	7.573	ng	100
8) 2-Chlorophenol	6.751	128	78579	7.654	ng	97
9) Benzaldehyde	6.510	77	72152	7.805	ng	99
10) Phenol	6.598	94	99252m	7.390	ng	
11) bis(2-Chloroethyl)ether	6.692	93	79868	7.767	ng	99
12) 1,3-Dichlorobenzene	6.904	146	87134	7.813	ng	99
13) 1,4-Dichlorobenzene	6.981	146	90595	8.066	ng	98
14) 1,2-Dichlorobenzene	7.134	146	85263	7.981	ng	99
15) Benzyl Alcohol	7.087	79	72125	7.662	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	151618	7.948	ng	99
17) 2-Methylphenol	7.198	107	66605	7.716	ng	98
18) Hexachloroethane	7.481	117	30200	7.767	ng	99
19) n-Nitroso-di-n-propyla...	7.363	70	62094	7.851	ng	96
20) 3+4-Methylphenols	7.351	107	86355	8.245	ng	# 88
22) Acetophenone	7.357	105	118546	8.523	ng	98
24) Nitrobenzene	7.534	77	88252	8.032	ng	99
25) Isophorone	7.769	82	164247	7.894	ng	100
26) 2-Nitrophenol	7.851	139	35893	7.527	ng	99
27) 2,4-Dimethylphenol	7.881	122	72125	7.420	ng	100
28) bis(2-Chloroethoxy)met...	7.981	93	100149	8.028	ng	99
29) 2,4-Dichlorophenol	8.086	162	64179	7.829	ng	98
30) 1,2,4-Trichlorobenzene	8.181	180	71627	8.088	ng	98
31) Naphthalene	8.263	128	239079	8.263	ng	98
32) Benzoic acid	7.928	122	24045	9.096	ng	96
33) 4-Chloroaniline	8.304	127	94071	7.963	ng	99
34) Hexachlorobutadiene	8.386	225	43149	7.976	ng	99
35) Caprolactam	8.628	113	18120	7.315	ng	97
36) 4-Chloro-3-methylphenol	8.769	107	70290	7.889	ng	98
37) 2-Methylnaphthalene	8.951	142	146198	8.304	ng	99
38) 1-Methylnaphthalene	9.051	142	150221	8.286	ng	99
40) 1,2,4,5-Tetrachloroben...	9.122	216	73643	8.336	ng	99
41) Hexachlorocyclopentadiene	9.116	237	32137	5.591	ng	99
43) 2,4,6-Trichlorophenol	9.228	196	45767	7.486	ng	98

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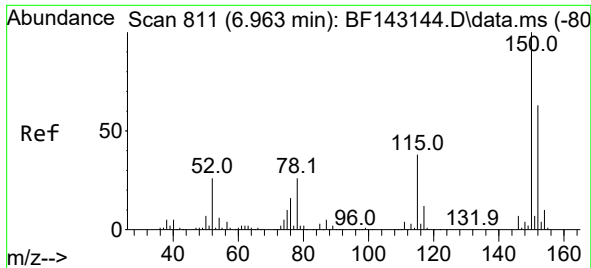
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
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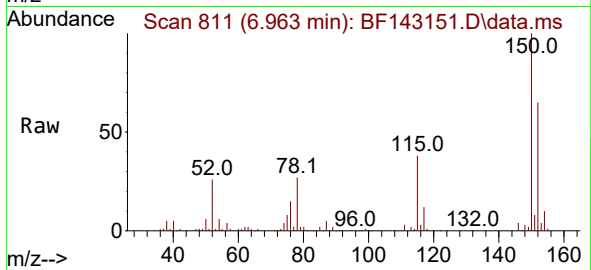
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	49577	8.106	ng	99
46) 1,1'-Biphenyl	9.416	154	202912	8.500	ng	99
47) 2-Chloronaphthalene	9.439	162	145627	8.244	ng	99
48) 2-Nitroaniline	9.522	65	41425	7.478	ng	93
49) Acenaphthylene	9.857	152	243708	8.233	ng	99
50) Dimethylphthalate	9.704	163	165299	8.288	ng	99
51) 2,6-Dinitrotoluene	9.763	165	31049	7.652	ng	94
52) Acenaphthene	10.028	154	145018	8.288	ng	100
53) 3-Nitroaniline	9.933	138	35772	7.538	ng	96
54) 2,4-Dinitrophenol	10.033	184	7416	10.361	ng #	1
55) Dibenzofuran	10.198	168	215648	8.302	ng	99
56) 4-Nitrophenol	10.075	139	25291	7.137	ng	99
57) 2,4-Dinitrotoluene	10.163	165	39370	7.734	ng	100
58) Fluorene	10.545	166	168095	8.622	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.316	232	40754	8.044	ng	98
60) Diethylphthalate	10.410	149	158560	8.043	ng	100
61) 4-Chlorophenyl-phenyle...	10.533	204	80551	8.298	ng	98
62) 4-Nitroaniline	10.539	138	31964	7.859	ng	97
63) Azobenzene	10.698	77	166946	8.125	ng	100
65) 4,6-Dinitro-2-methylph...	10.575	198	13436	9.935	ng	96
66) n-Nitrosodiphenylamine	10.651	169	142051	8.023	ng	100
67) 4-Bromophenyl-phenylether	11.022	248	47760	7.970	ng	96
68) Hexachlorobenzene	11.092	284	49825	7.955	ng	98
69) Atrazine	11.169	200	37459	7.674	ng	98
70) Pentachlorophenol	11.280	266	24928	6.768	ng	98
71) Phenanthrene	11.504	178	221308	8.289	ng	99
72) Anthracene	11.557	178	219064	8.045	ng	99
73) Carbazole	11.704	167	194052	8.162	ng	99
74) Di-n-butylphthalate	12.039	149	210820	7.836	ng	99
75) Fluoranthene	12.692	202	202300	8.255	ng	99
77) Benzidine	12.804	184	82554	7.133	ng	97
78) Pyrene	12.921	202	203242	7.928	ng	100
80) Butylbenzylphthalate	13.539	149	53651	6.834	ng	98
81) Benzo(a)anthracene	14.110	228	158193	7.866	ng	99
82) 3,3'-Dichlorobenzidine	14.063	252	48451	7.229	ng	99
83) Chrysene	14.145	228	136415	7.545	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	83220	7.004	ng	99
85) Di-n-octyl phthalate	14.715	149	139958	6.498	ng	100
87) Indeno(1,2,3-cd)pyrene	17.145	276	164329	7.587	ng	99
88) Benzo(b)fluoranthene	15.174	252	139123	7.414	ng	99
89) Benzo(k)fluoranthene	15.204	252	139146	8.309	ng	99
90) Benzo(a)pyrene	15.551	252	131757	7.621	ng	99
91) Dibenzo(a,h)anthracene	17.162	278	133923	7.596	ng	99
92) Benzo(g,h,i)perylene	17.604	276	127643	7.485	ng	100

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF143151.D
 Acq: 17 Jul 2025 16:36

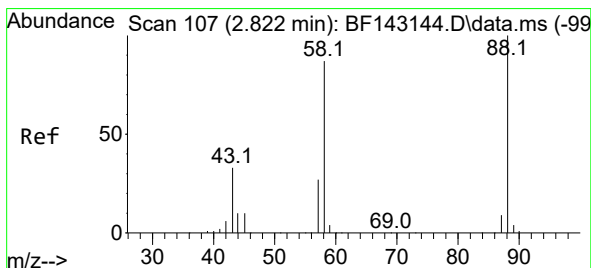
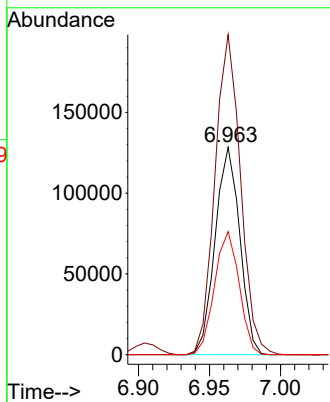
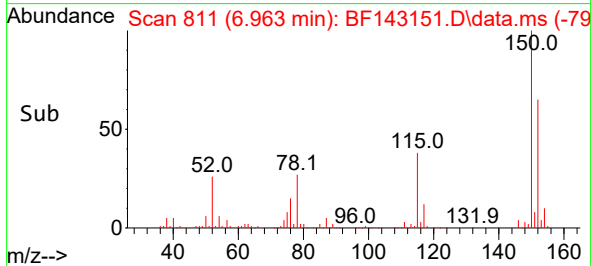
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2025



Tgt Ion:152 Resp: 15499
 Ion Ratio Lower Upper
 152 100
 150 154.3 128.2 192.4
 115 59.3 47.9 71.9

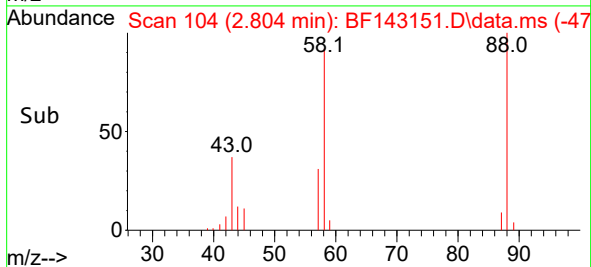
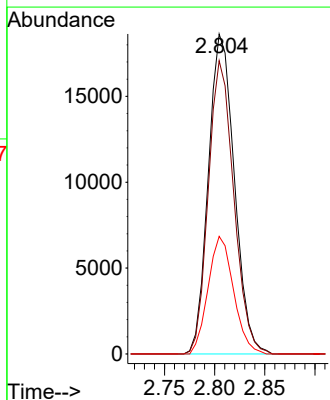
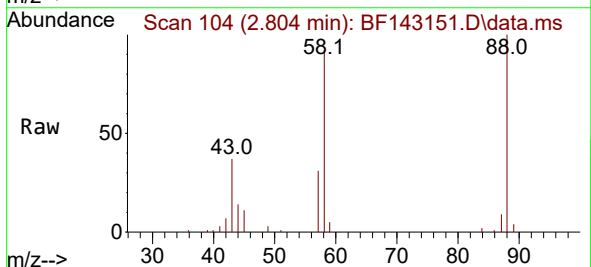
Manual Integrations
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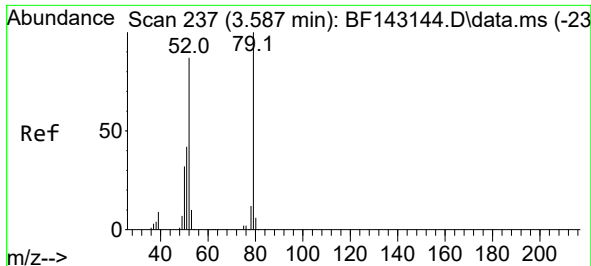
Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025



#2
 1,4-Dioxane
 Concen: 7.235 ng
 RT: 2.804 min Scan# 104
 Delta R.T. -0.018 min
 Lab File: BF143151.D
 Acq: 17 Jul 2025 16:36

Tgt Ion: 88 Resp: 33532
 Ion Ratio Lower Upper
 88 100
 58 89.6 70.2 105.2
 43 36.0 27.1 40.7





#3

Pyridine

Concen: 7.229 ng

RT: 3.610 min Scan# 241

Delta R.T. 0.024 min

Lab File: BF143151.D

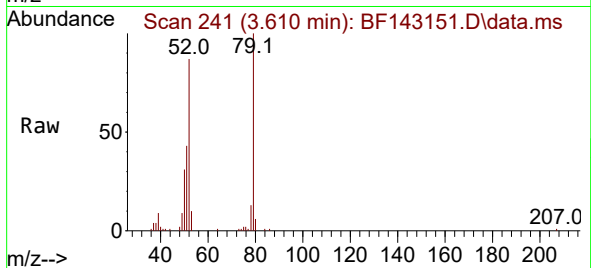
Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025



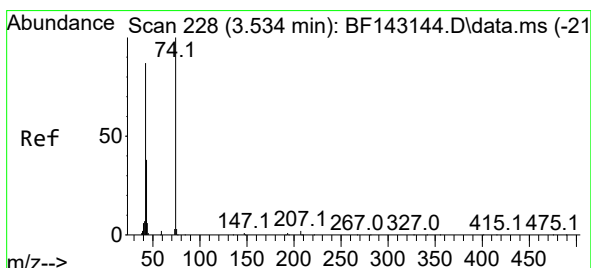
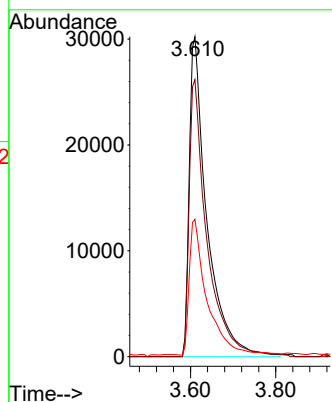
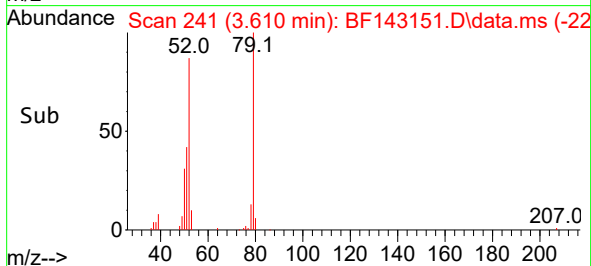
Tgt Ion: 79	Resp: 8696
Ion Ratio	Lower Upper
79	100
52	86.6 69.4 104.2
51	42.9 33.5 50.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/18/2025



#4

n-Nitrosodimethylamine

Concen: 7.367 ng

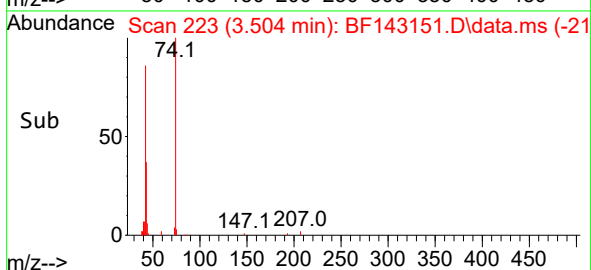
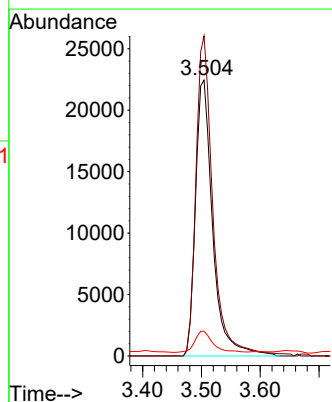
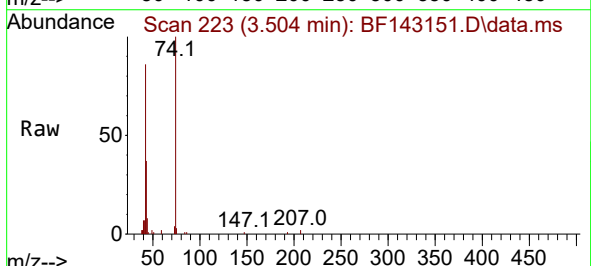
RT: 3.504 min Scan# 223

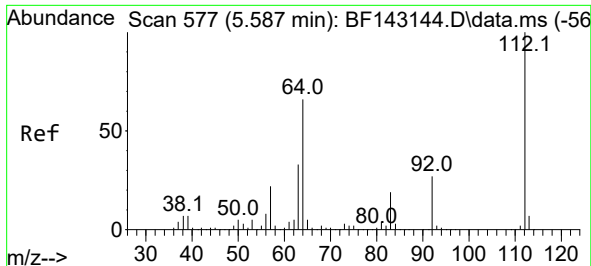
Delta R.T. -0.029 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Tgt Ion: 42	Resp: 45753
Ion Ratio	Lower Upper
42	100
74	116.0 91.7 137.5
44	9.0 5.6 8.4





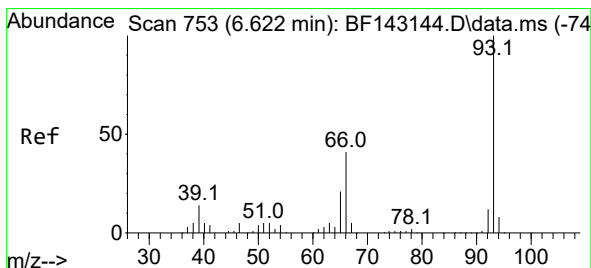
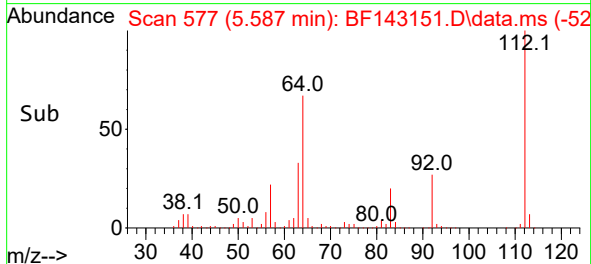
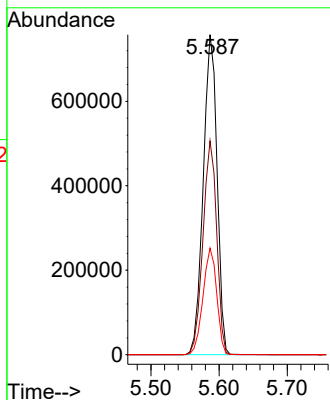
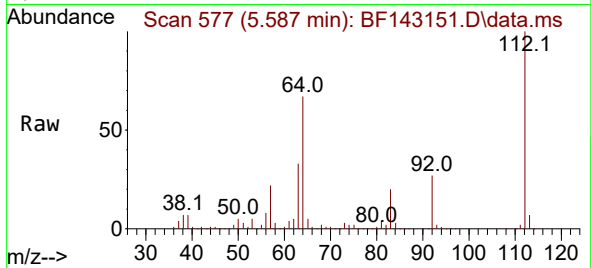
#5
2-Fluorophenol
Concen: 109.169 ng
RT: 5.587 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion:112 Resp: 1069270
Ion Ratio Lower Upper
112 100
64 66.8 53.1 79.7
63 33.3 26.6 40.0

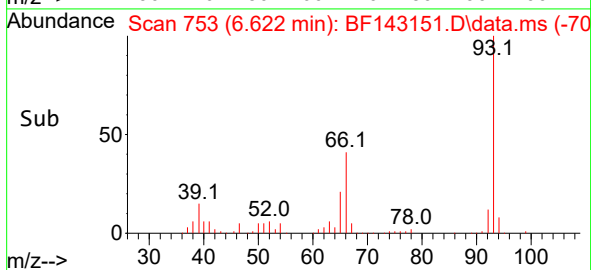
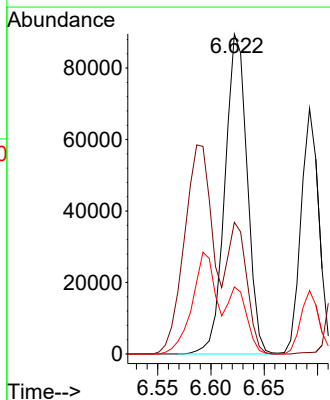
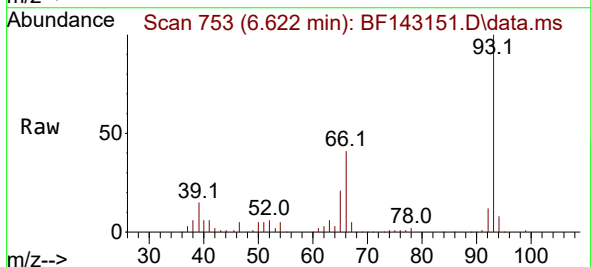
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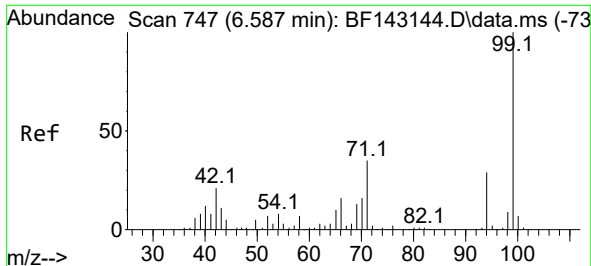
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#6
Aniline
Concen: 7.573 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

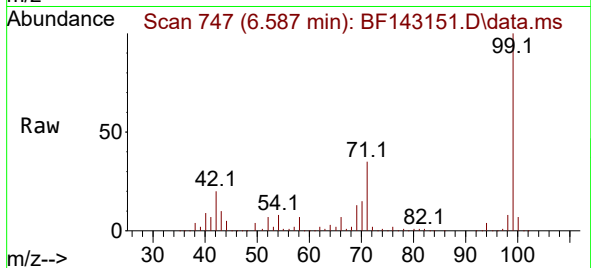
Tgt Ion: 93 Resp: 130123
Ion Ratio Lower Upper
93 100
66 41.1 33.2 49.8
65 21.0 16.9 25.3





#7
Phenol-d6
Concen: 112.320 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

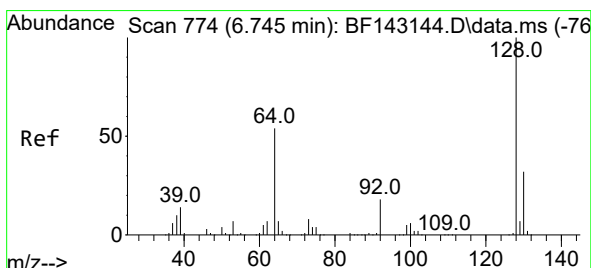
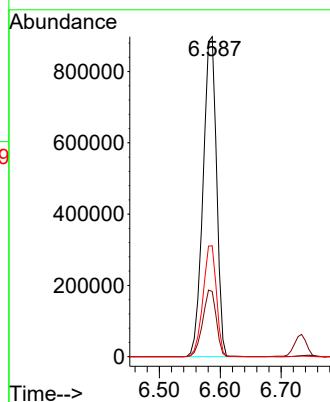
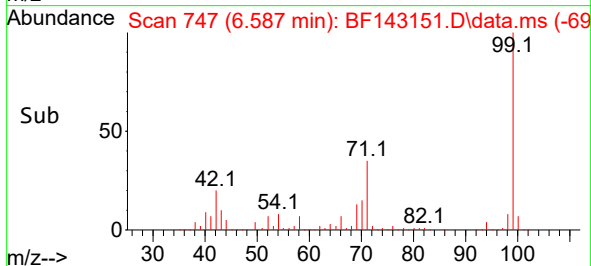
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



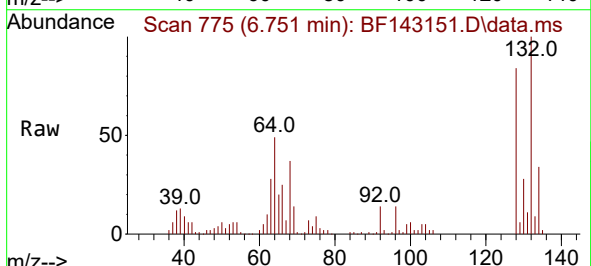
Tgt Ion: 99 Resp: 1384725
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 34.7 27.7 41.5

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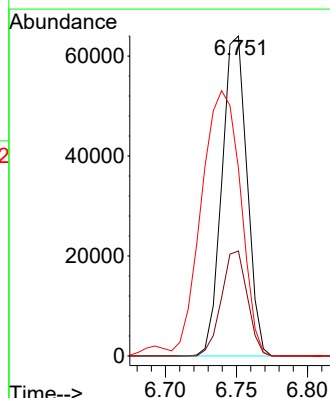
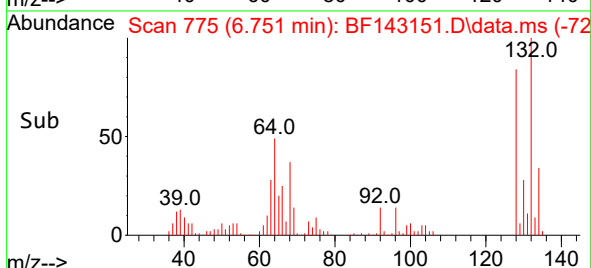
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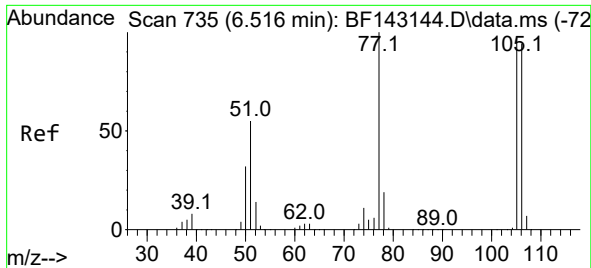


#8
2-Chlorophenol
Concen: 7.654 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36



Tgt Ion:128 Resp: 78579
Ion Ratio Lower Upper
128 100
130 32.8 12.3 52.3
64 58.7 35.9 75.9





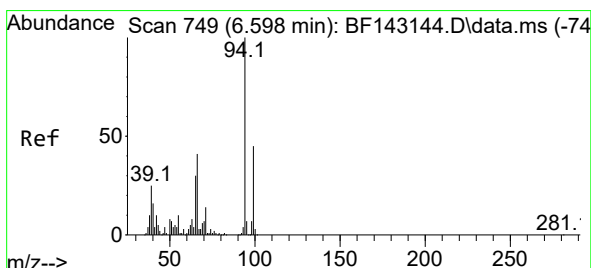
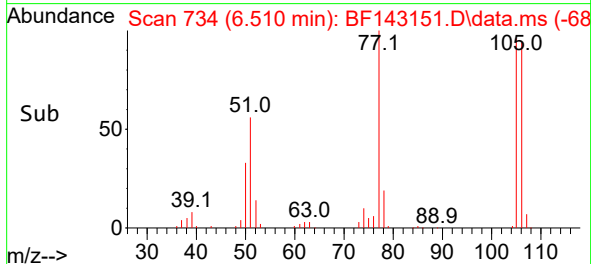
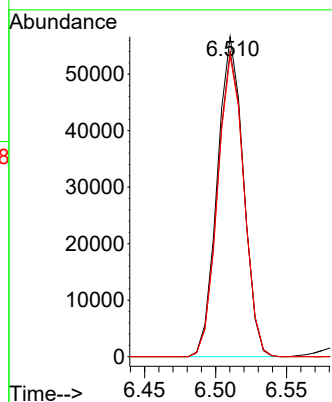
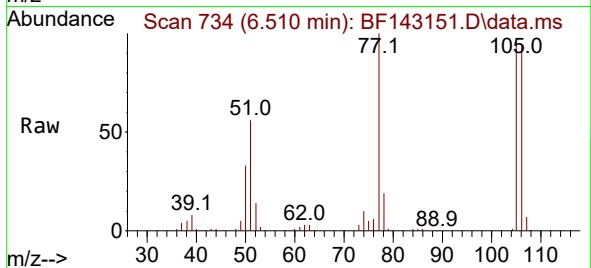
#9
Benzaldehyde
Concen: 7.805 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion: 77 Resp: 72152
Ion Ratio Lower Upper
77 100
105 95.5 76.8 116.8
106 94.0 74.4 114.4

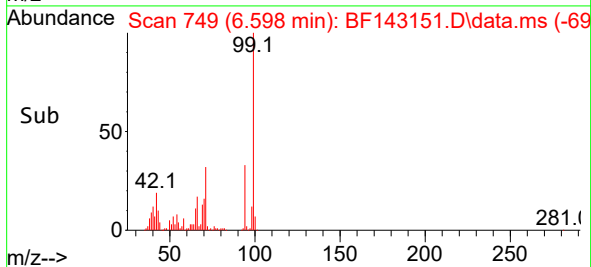
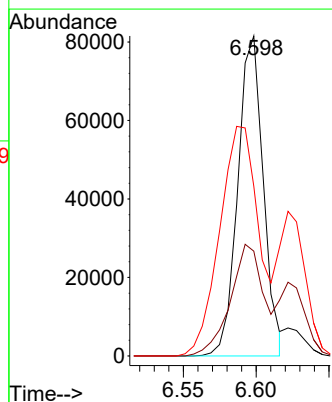
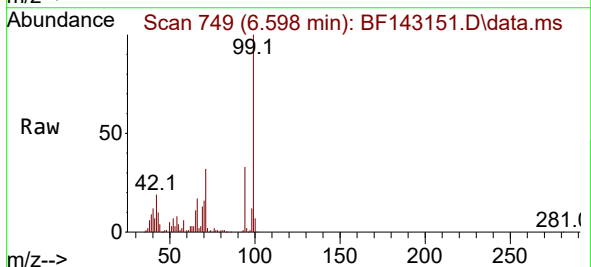
Manual Integrations
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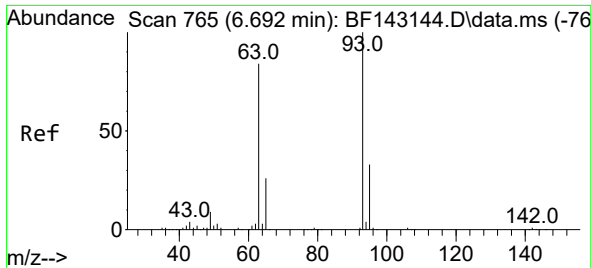
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#10
Phenol
Concen: 7.390 ng m
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion: 94 Resp: 99252
Ion Ratio Lower Upper
94 100
65 32.8 10.0 50.0
66 53.1 20.8 60.8





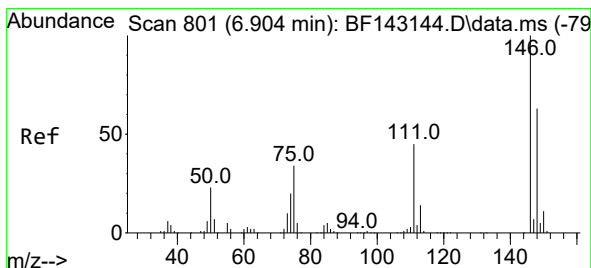
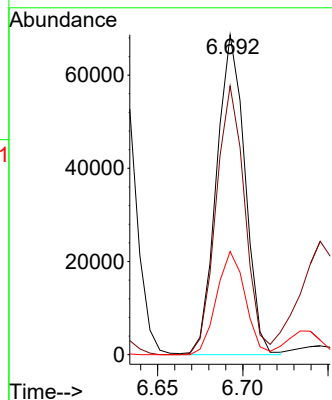
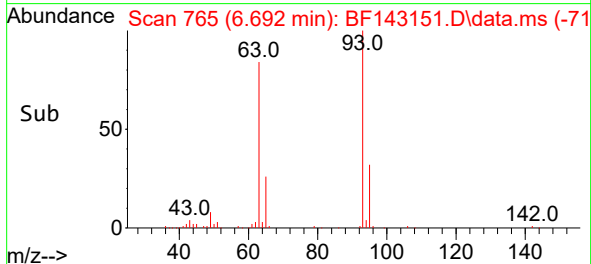
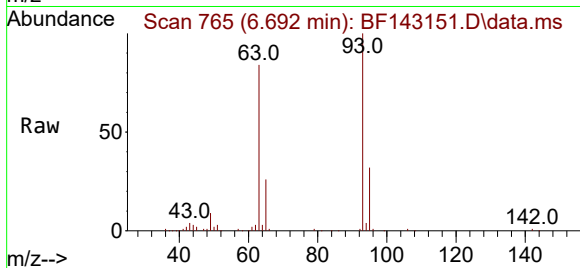
#11
bis(2-Chloroethyl)ether
Concen: 7.767 ng
RT: 6.692 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion: 93 Resp: 7986
Ion Ratio Lower Upper
93 100
63 84.0 63.4 103.4
95 32.3 12.4 52.4

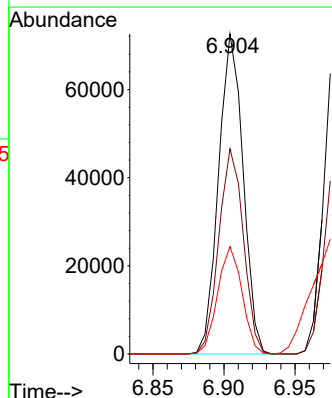
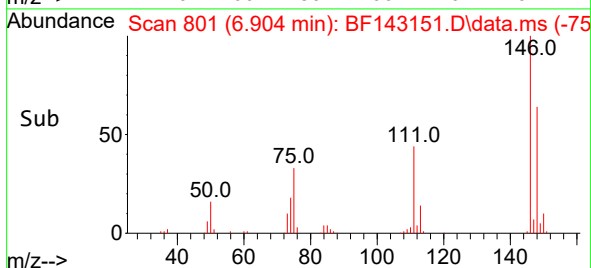
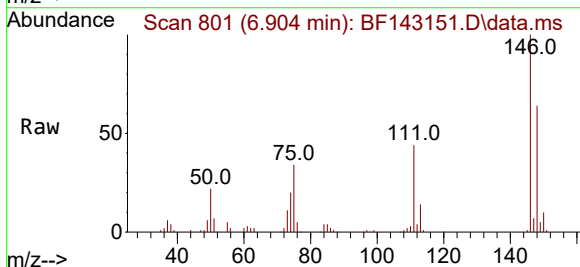
Manual Integrations
APPROVED

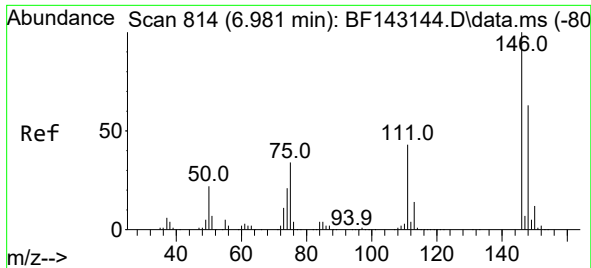
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 7.813 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:146 Resp: 87134
Ion Ratio Lower Upper
146 100
148 64.1 50.6 76.0
75 33.6 27.4 41.2





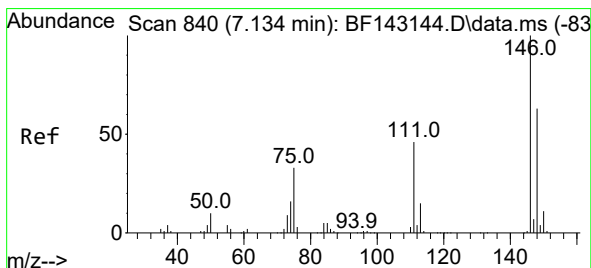
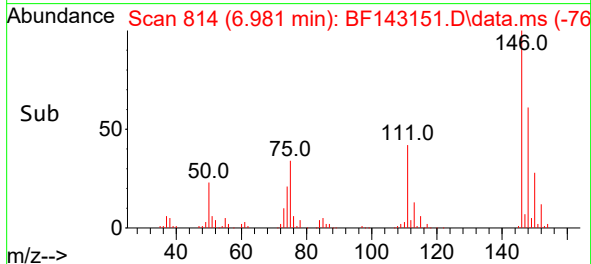
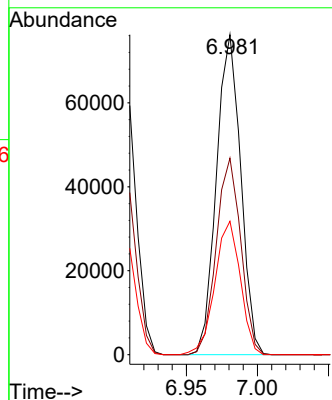
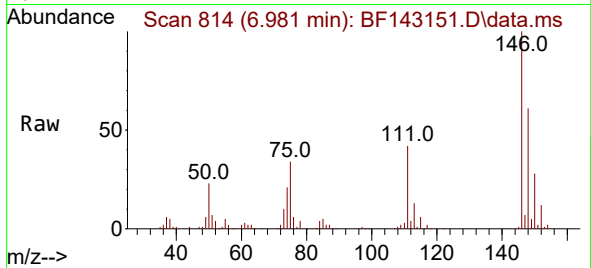
#13
1,4-Dichlorobenzene
Concen: 8.066 ng
RT: 6.981 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion:146 Resp: 9059
Ion Ratio Lower Upper
146 100
148 61.4 50.3 75.5
111 41.7 34.4 51.6

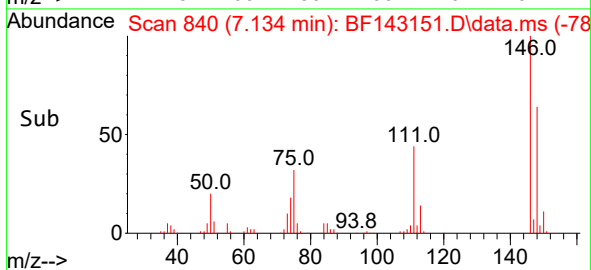
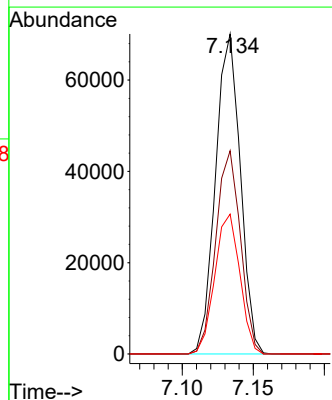
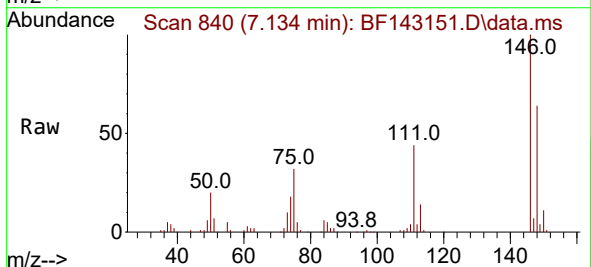
Manual Integrations
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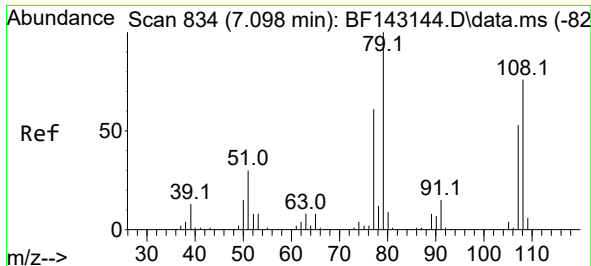
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#14
1,2-Dichlorobenzene
Concen: 7.981 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:146 Resp: 85263
Ion Ratio Lower Upper
146 100
148 63.5 50.7 76.1
111 43.7 36.6 54.8





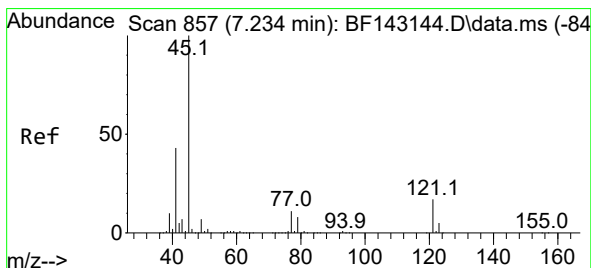
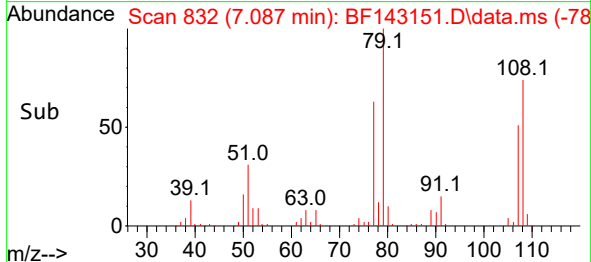
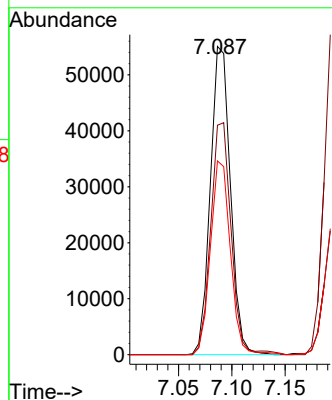
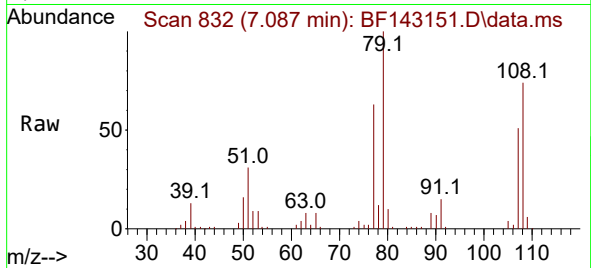
#15
Benzyl Alcohol
Concen: 7.662 ng
RT: 7.087 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion: 79 Resp: 72125
Ion Ratio Lower Upper
79 100
108 74.4 61.1 91.7
77 62.8 48.9 73.3

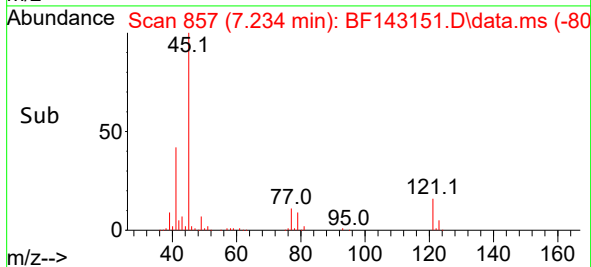
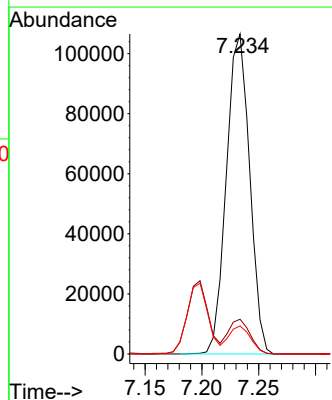
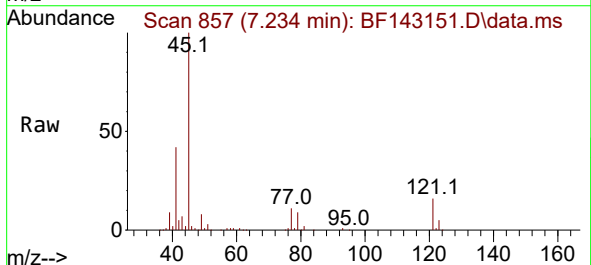
Manual Integrations
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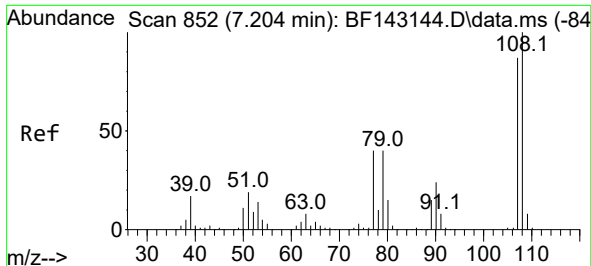
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.948 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

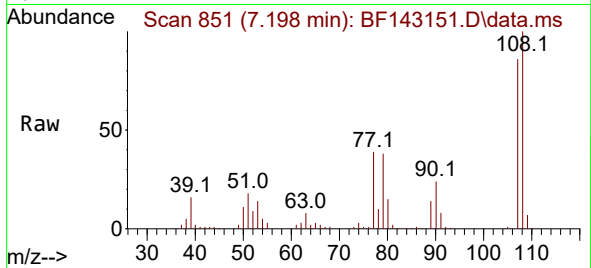
Tgt Ion: 45 Resp: 151618
Ion Ratio Lower Upper
45 100
77 10.9 0.0 31.2
79 8.7 0.0 28.5





#17
2-Methylphenol
Concen: 7.716 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

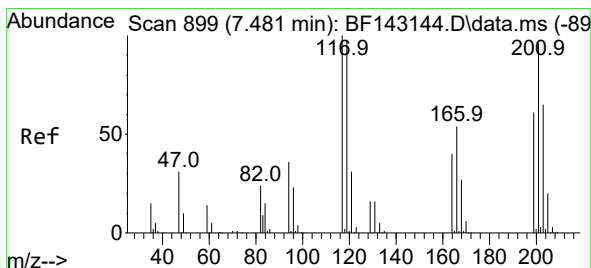
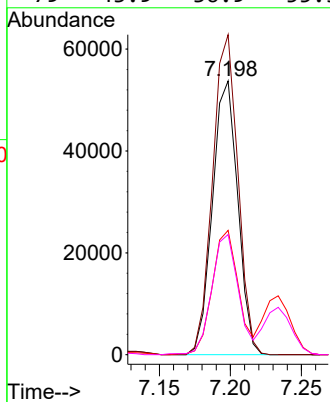
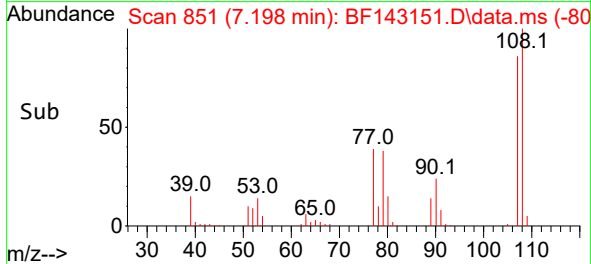
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion:107 Resp: 6660
Ion Ratio Lower Upper
107 100
108 116.9 91.8 137.6
77 45.4 37.0 55.6
79 43.9 36.9 55.3

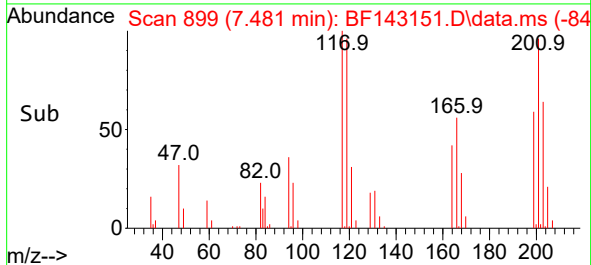
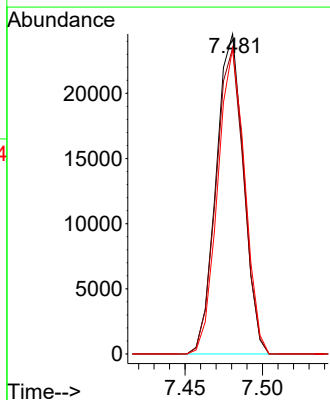
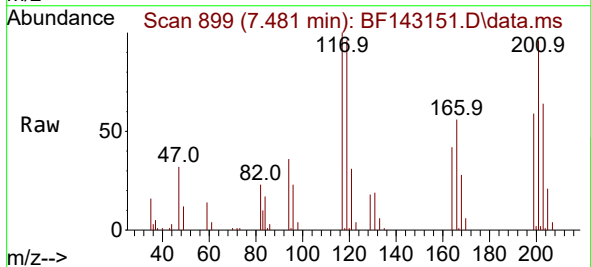
Manual Integrations
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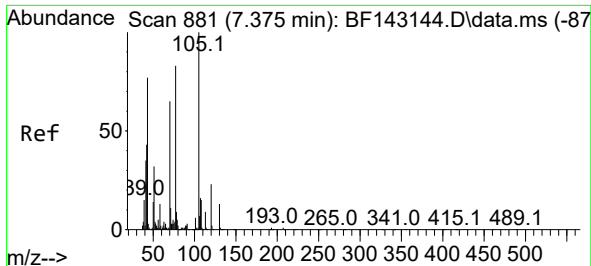
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#18
Hexachloroethane
Concen: 7.767 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

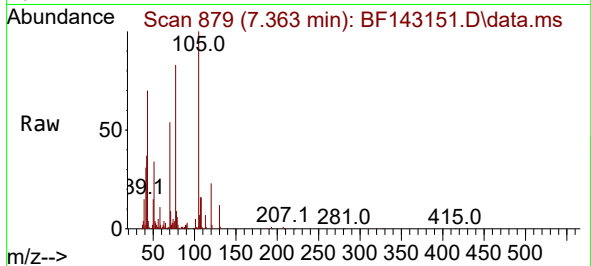
Tgt Ion:117 Resp: 30200
Ion Ratio Lower Upper
117 100
119 95.5 77.8 116.8
201 95.5 77.0 115.4





#19
n-Nitroso-di-n-propylamine
Concen: 7.851 ng
RT: 7.363 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

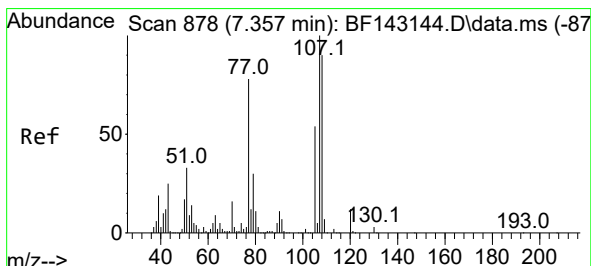
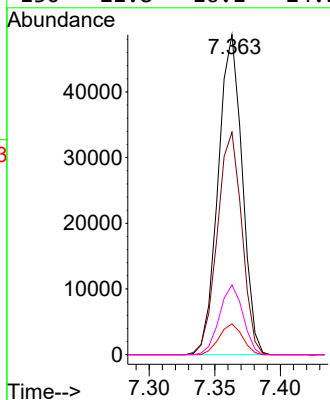
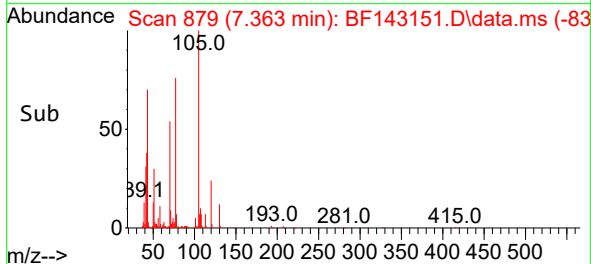
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



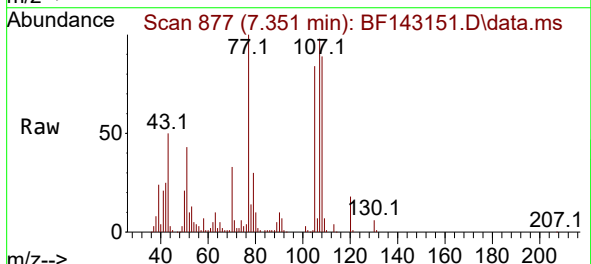
Tgt Ion: 70 Resp: 62094
Ion Ratio Lower Upper
70 100
42 69.5 52.5 78.7
101 9.6 7.6 11.4
130 21.8 16.1 24.1

Manual Integrations
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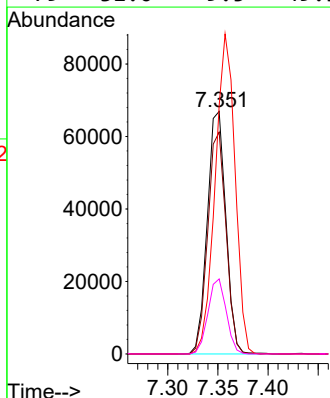
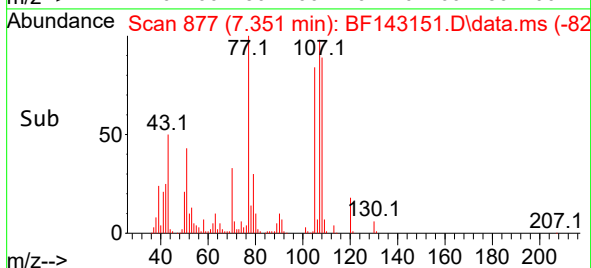
Reviewed By :Rahul Chavli 07/18/2025
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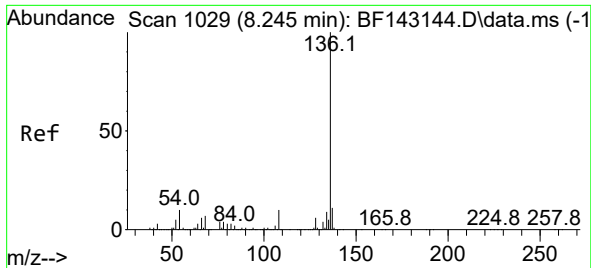


#20
3+4-Methylphenols
Concen: 8.245 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36



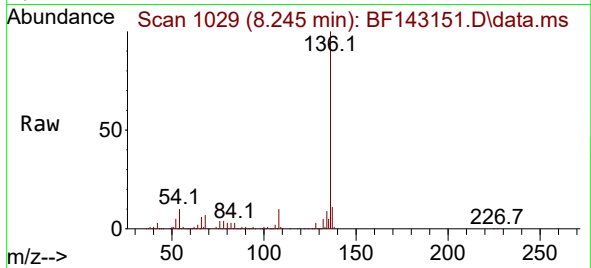
Tgt Ion:107 Resp: 86355
Ion Ratio Lower Upper
107 100
108 91.5 70.0 110.0
77 102.4 57.8 97.8#
79 31.0 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

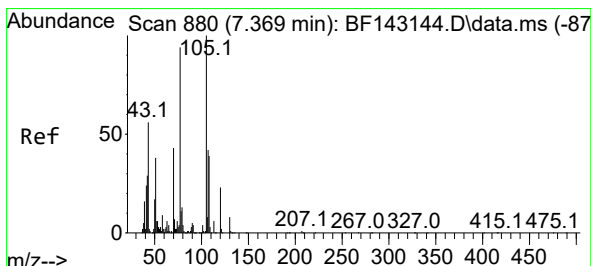
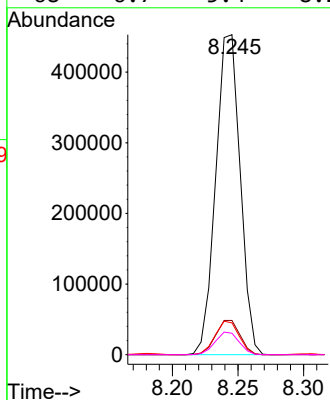
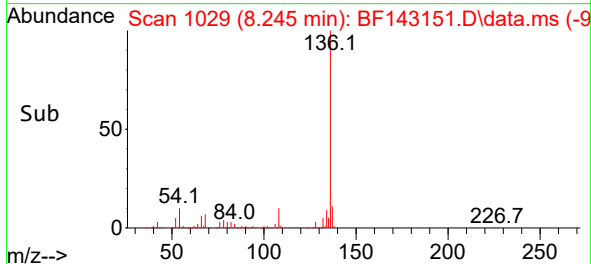
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:136 Resp: 58748
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.9 8.2 12.2
68 6.7 5.4 8.2

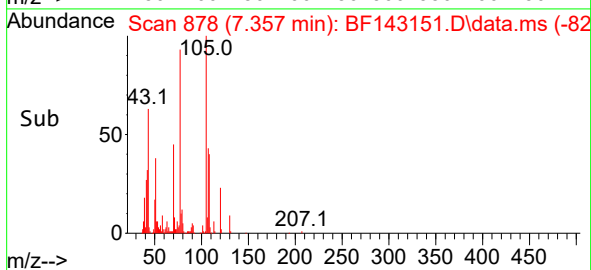
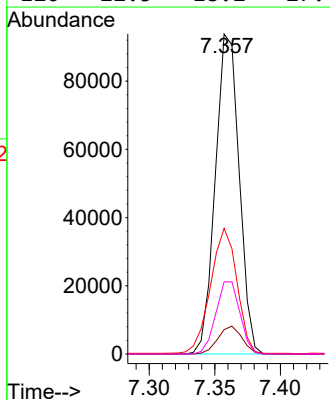
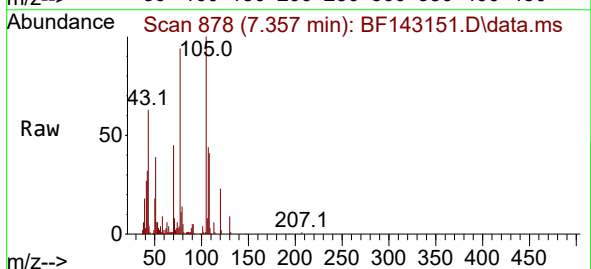
Manual Integrations
APPROVED

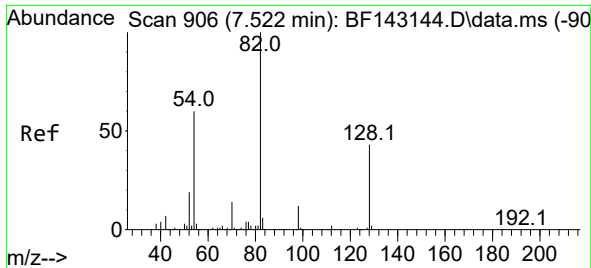
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#22
Acetophenone
Concen: 8.523 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:105 Resp: 118546
Ion Ratio Lower Upper
105 100
71 7.6 5.8 8.6
51 39.2 30.2 45.2
120 22.5 18.2 27.4





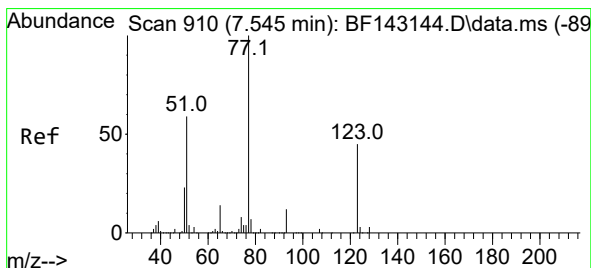
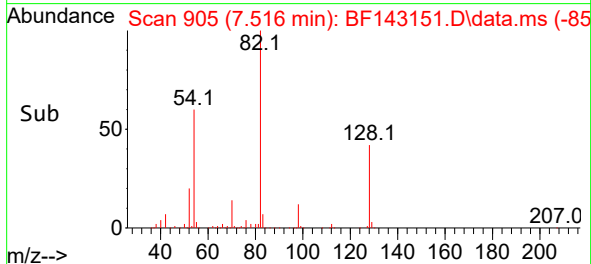
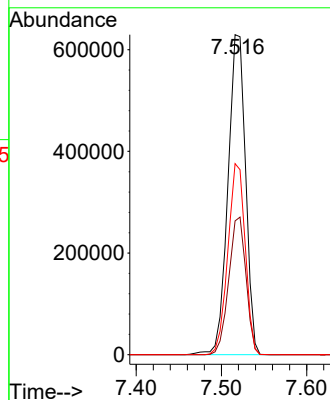
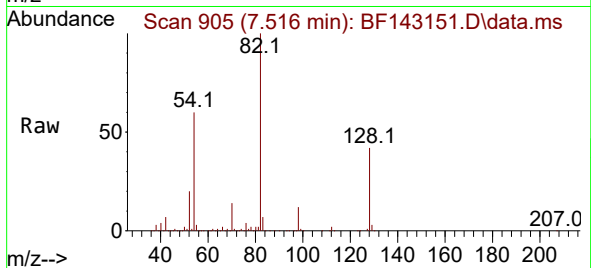
#23
Nitrobenzene-d5
Concen: 76.969 ng
RT: 7.516 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion: 82 Resp: 907139
Ion Ratio Lower Upper
82 100
128 41.8 33.6 50.4
54 59.7 47.1 70.7

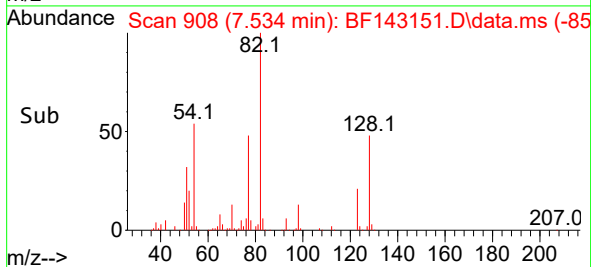
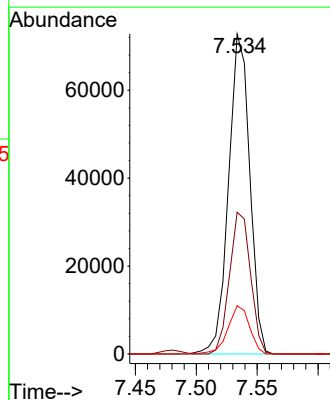
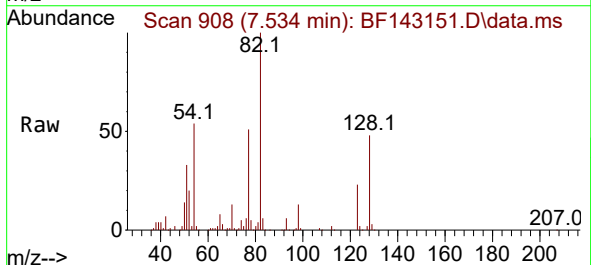
Manual Integrations
APPROVED

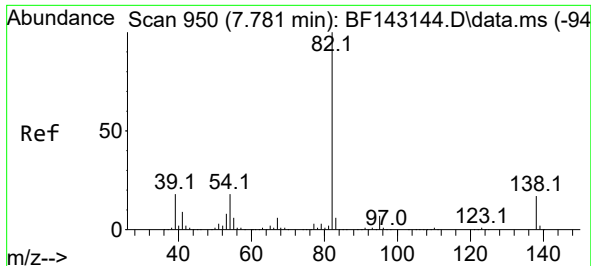
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#24
Nitrobenzene
Concen: 8.032 ng
RT: 7.534 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion: 77 Resp: 88252
Ion Ratio Lower Upper
77 100
123 44.3 36.1 54.1
65 15.1 11.4 17.2





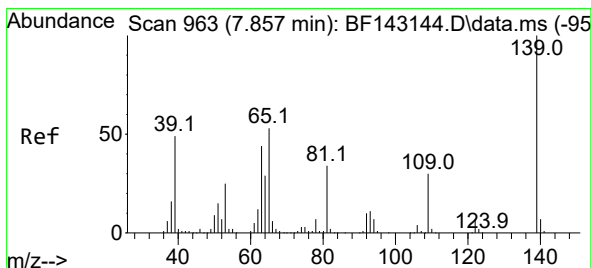
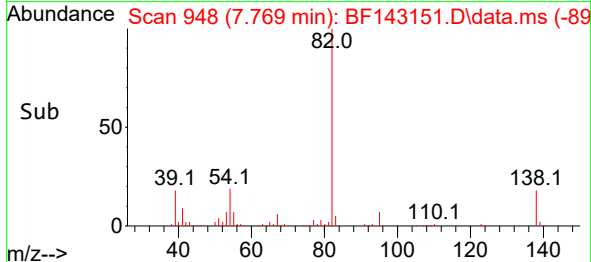
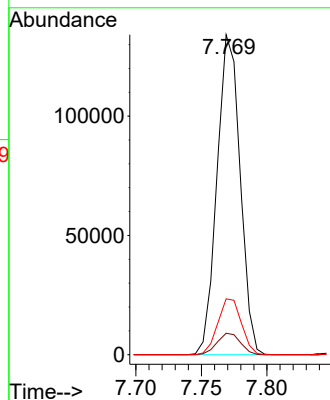
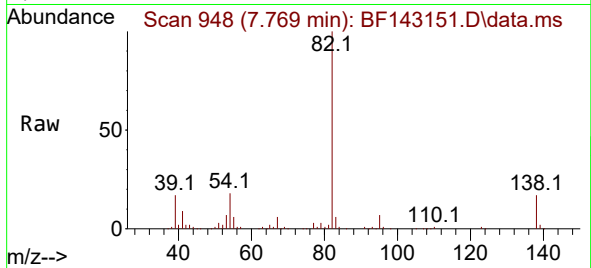
#25
Isophorone
Concen: 7.894 ng
RT: 7.769 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion: 82 Resp: 16424
Ion Ratio Lower Upper
82 100
95 6.7 5.5 8.3
138 17.4 13.8 20.8

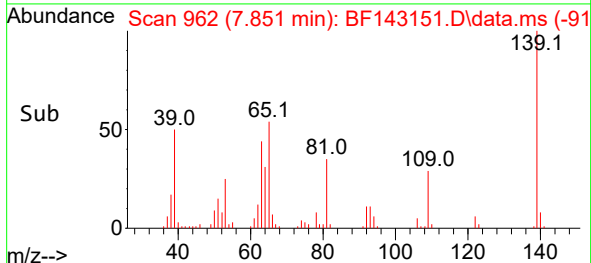
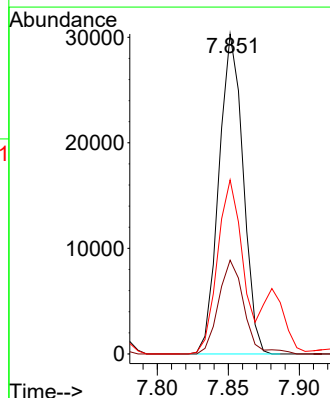
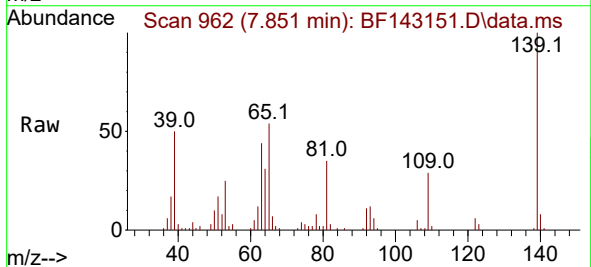
Manual Integrations
APPROVED

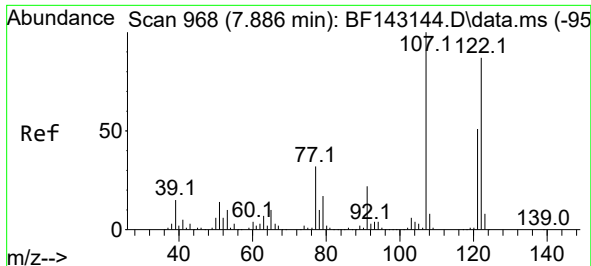
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#26
2-Nitrophenol
Concen: 7.527 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

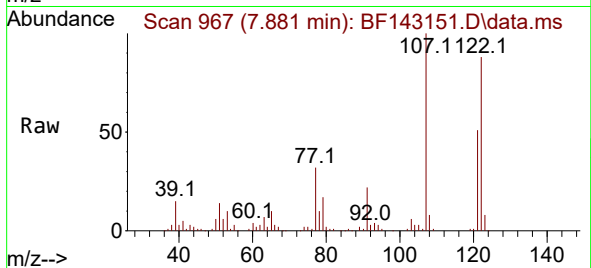
Tgt Ion:139 Resp: 35893
Ion Ratio Lower Upper
139 100
109 29.3 23.6 35.4
65 54.4 42.6 64.0





#27
2,4-Dimethylphenol
Concen: 7.420 ng
RT: 7.881 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

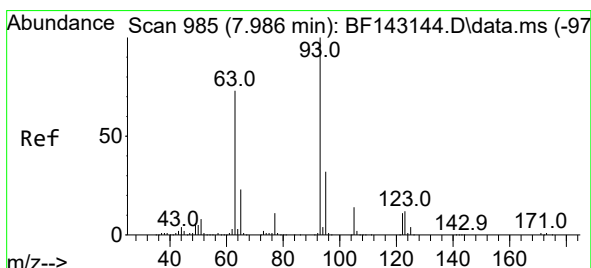
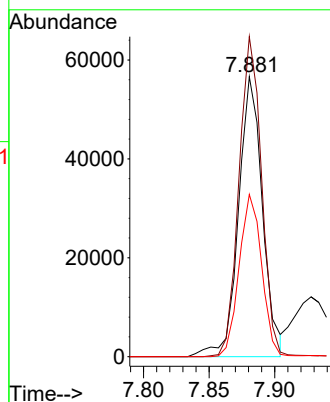
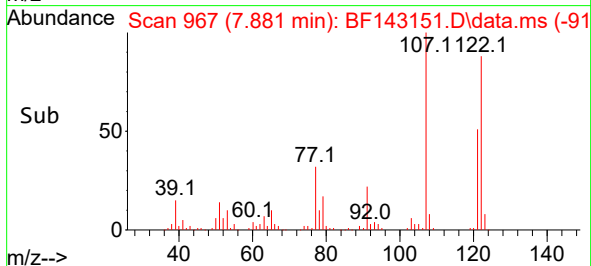
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:122 Resp: 7212
Ion Ratio Lower Upper
122 100
107 114.3 91.8 137.6
121 57.9 46.3 69.5

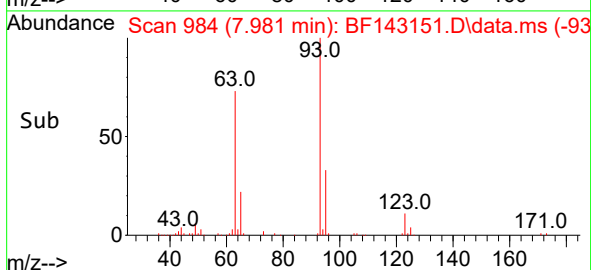
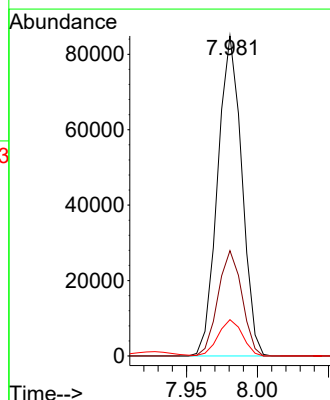
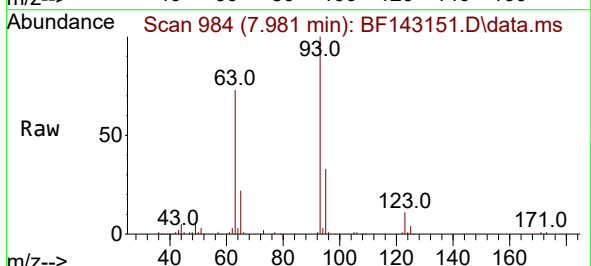
Manual Integrations
APPROVED

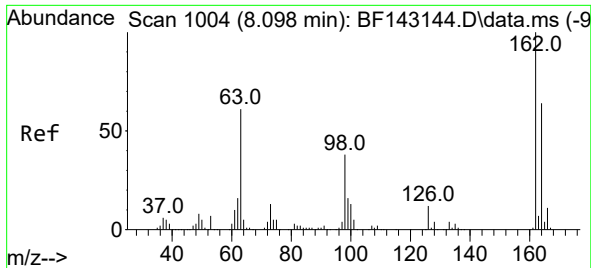
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#28
bis(2-Chloroethoxy)methane
Concen: 8.028 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion: 93 Resp: 100149
Ion Ratio Lower Upper
93 100
95 32.9 25.8 38.6
123 11.4 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 7.829 ng

RT: 8.086 min Scan# 1002

Delta R.T. -0.012 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

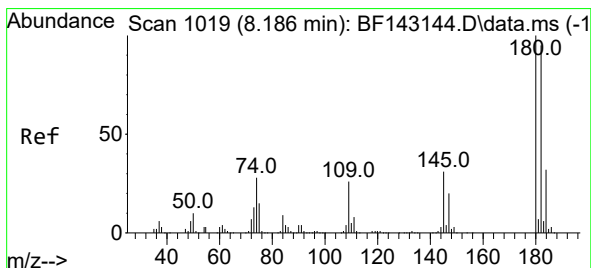
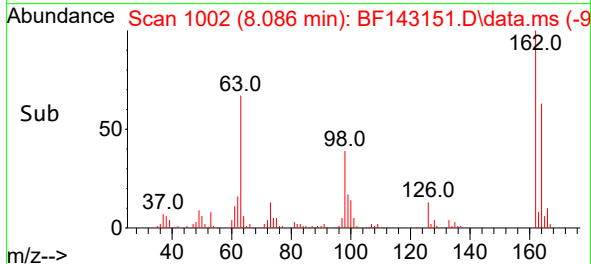
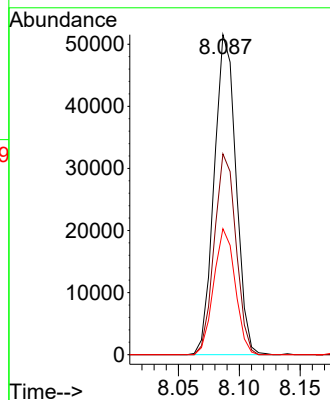
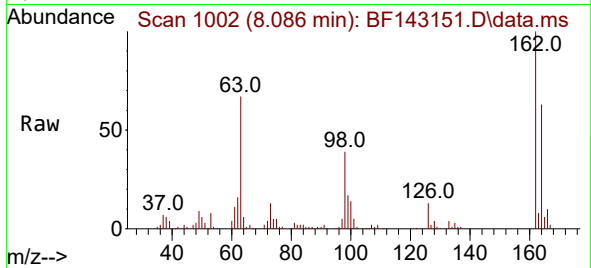
Tgt Ion:162	Resp:	64179
Ion Ratio	Lower	Upper
162	100	
164	62.7	44.2 84.2
98	39.3	17.9 57.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#30

1,2,4-Trichlorobenzene

Concen: 8.088 ng

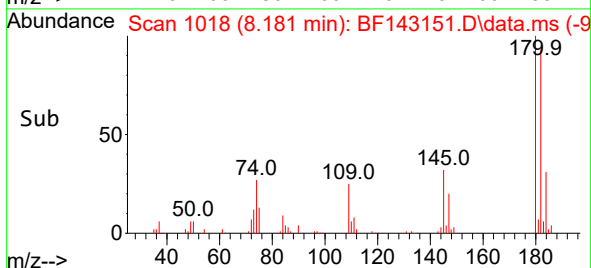
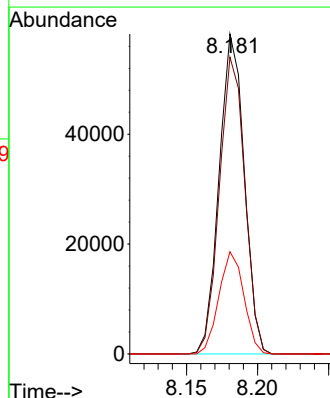
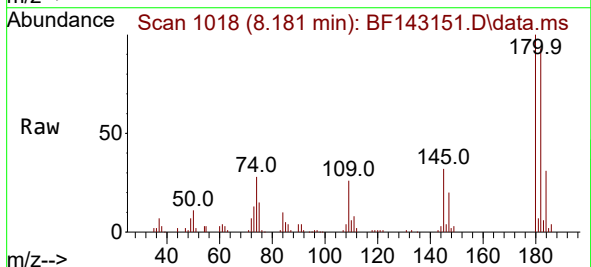
RT: 8.181 min Scan# 1018

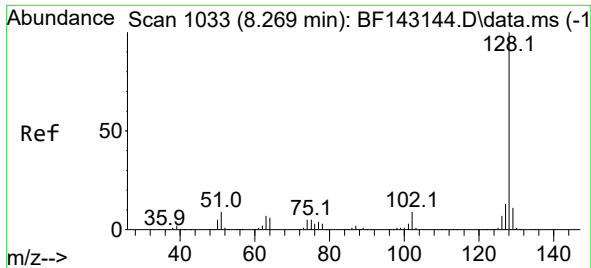
Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

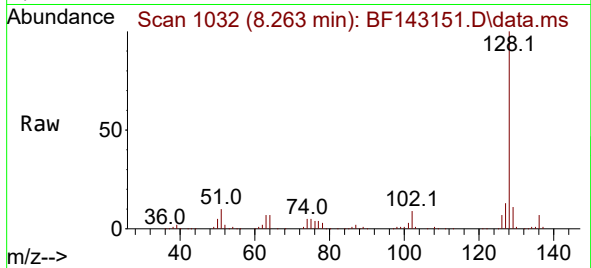
Tgt Ion:180	Resp:	71627
Ion Ratio	Lower	Upper
180	100	
182	92.8	76.2 114.2
145	31.9	25.0 37.6





#31
Naphthalene
Concen: 8.263 ng
RT: 8.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

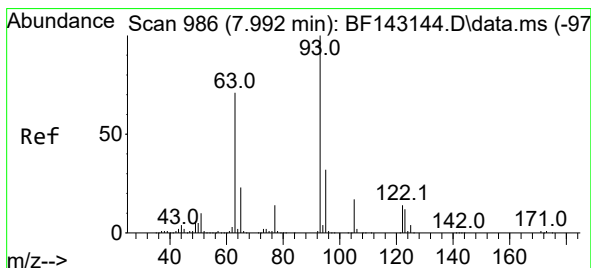
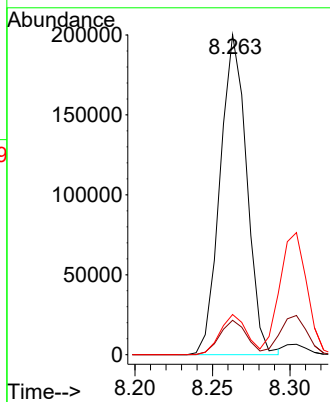
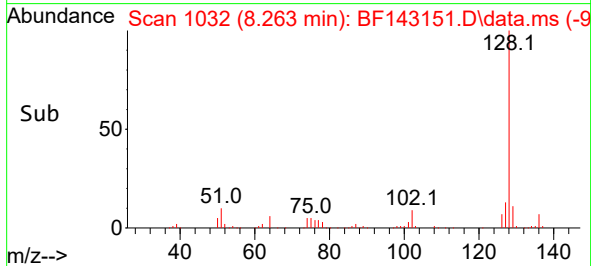
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:128 Resp: 239079
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.4
127 12.5 10.6 16.0

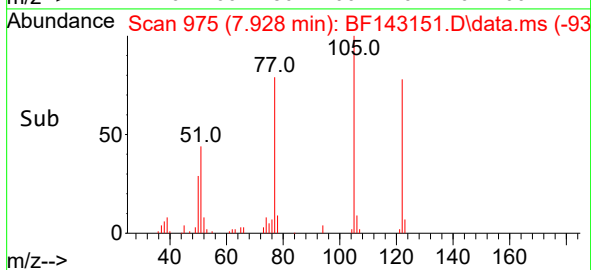
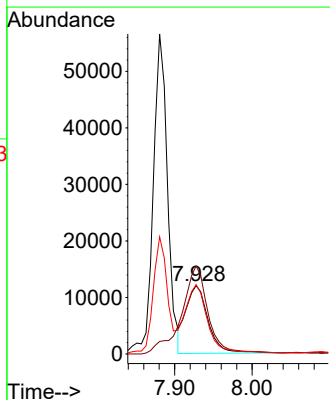
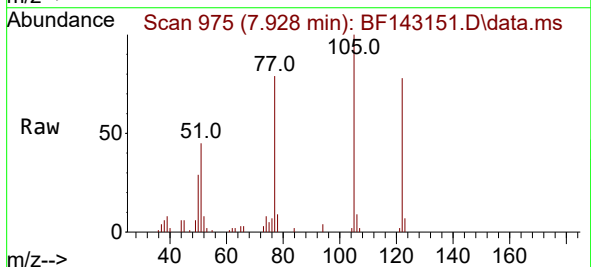
Manual Integrations
APPROVED

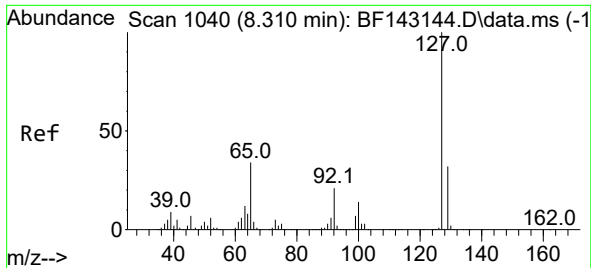
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#32
Benzoic acid
Concen: 9.096 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.064 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:122 Resp: 24045
Ion Ratio Lower Upper
122 100
105 128.9 104.8 144.8
77 101.4 77.6 117.6





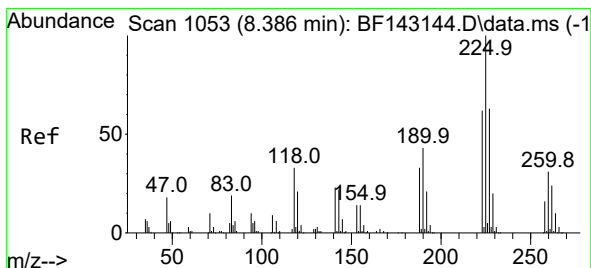
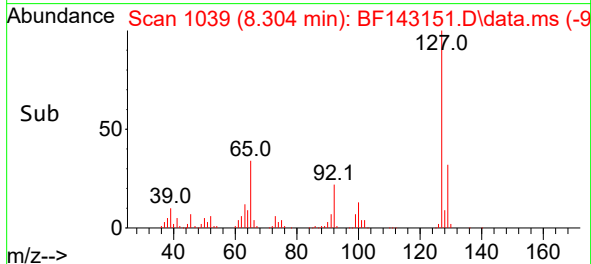
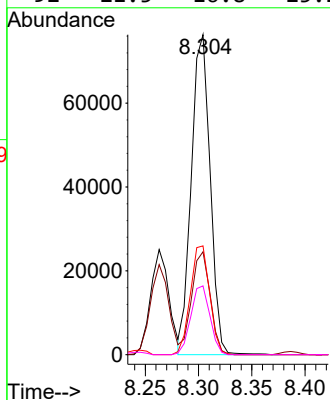
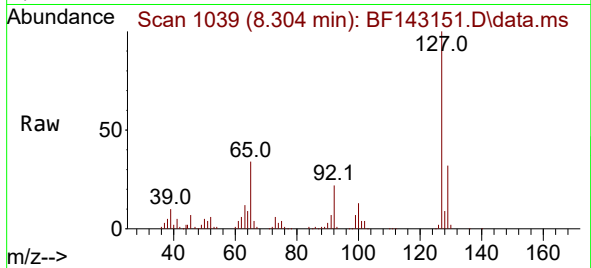
#33
4-Chloroaniline
Concen: 7.963 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion:127 Resp: 9407
Ion Ratio Lower Upper
127 100
129 32.2 26.0 39.0
65 34.0 27.4 41.2
92 21.5 16.8 25.2

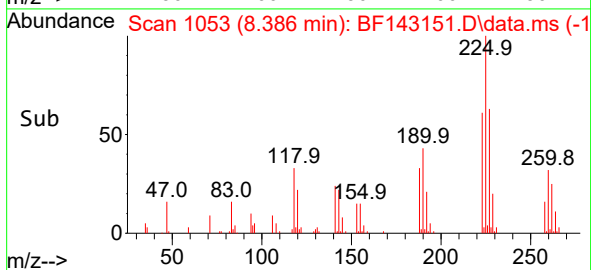
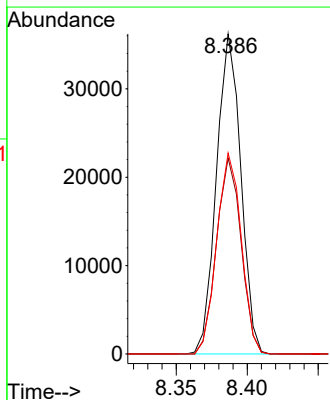
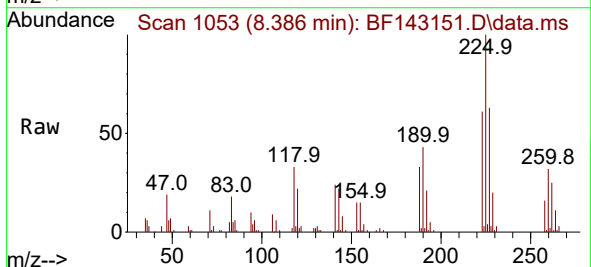
Manual Integrations
APPROVED

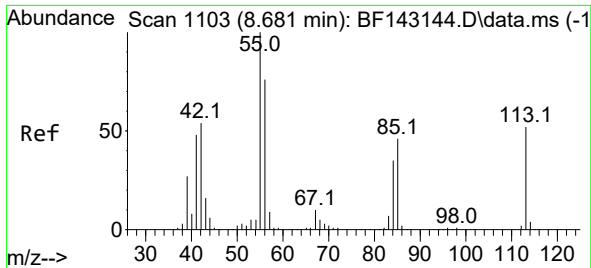
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#34
Hexachlorobutadiene
Concen: 7.976 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

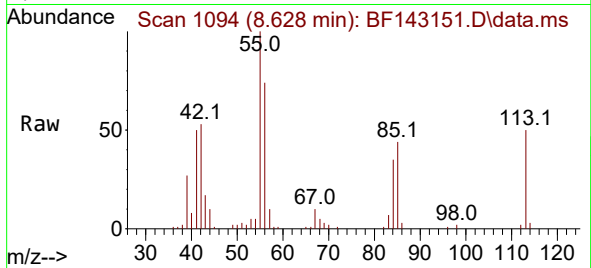
Tgt Ion:225 Resp: 43149
Ion Ratio Lower Upper
225 100
223 61.3 49.8 74.6
227 62.8 50.2 75.4





#35
 Caprolactam
 Concen: 7.315 ng
 RT: 8.628 min Scan# 1103
 Delta R.T. -0.053 min
 Lab File: BF143151.D
 Acq: 17 Jul 2025 16:36

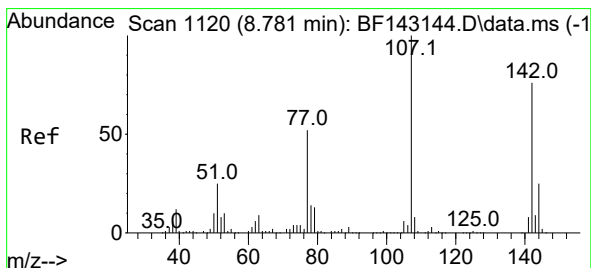
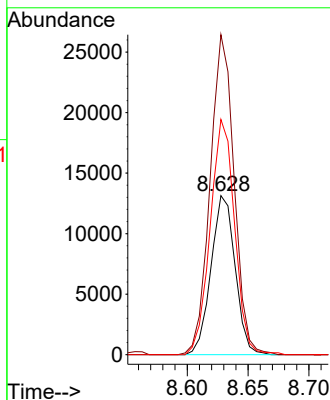
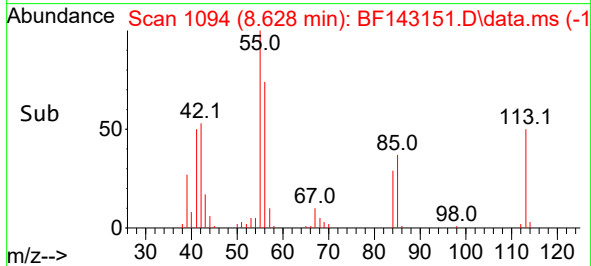
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2025



Tgt Ion:113 Resp: 18120
 Ion Ratio Lower Upper
 113 100
 55 201.2 174.0 214.0
 56 147.9 126.6 166.6

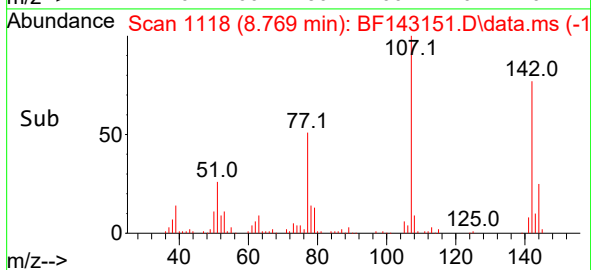
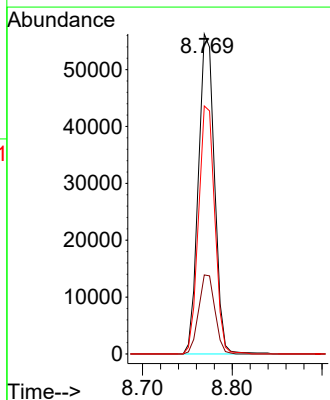
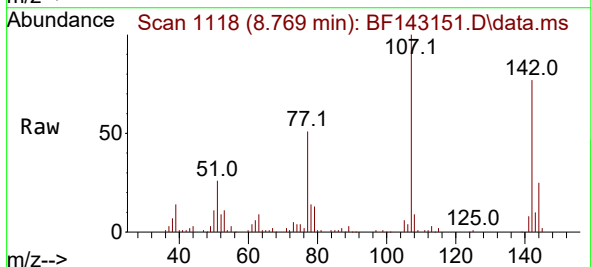
Manual Integrations
 APPROVED

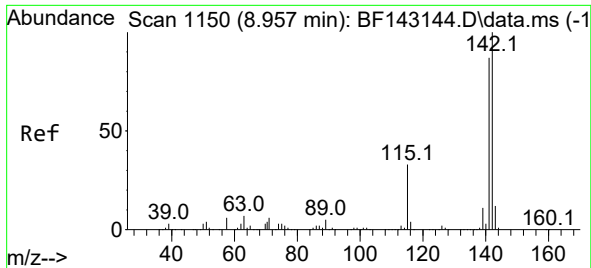
Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025



#36
 4-Chloro-3-methylphenol
 Concen: 7.889 ng
 RT: 8.769 min Scan# 1118
 Delta R.T. -0.012 min
 Lab File: BF143151.D
 Acq: 17 Jul 2025 16:36

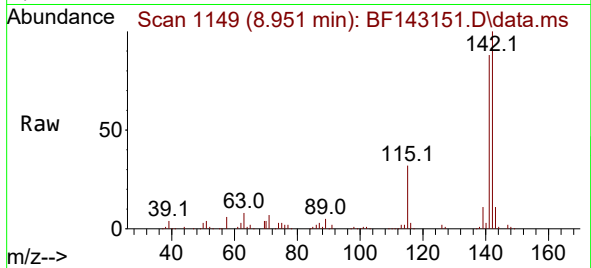
Tgt Ion:107 Resp: 70290
 Ion Ratio Lower Upper
 107 100
 144 24.7 19.8 29.6
 142 77.5 60.6 90.8





#37
2-Methylnaphthalene
Concen: 8.304 ng
RT: 8.951 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

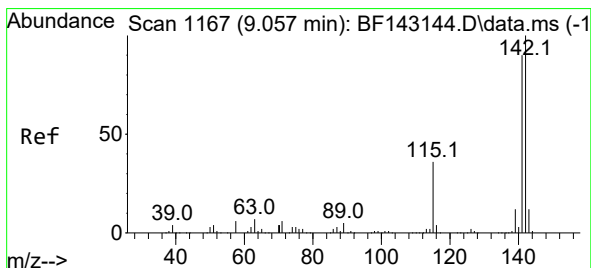
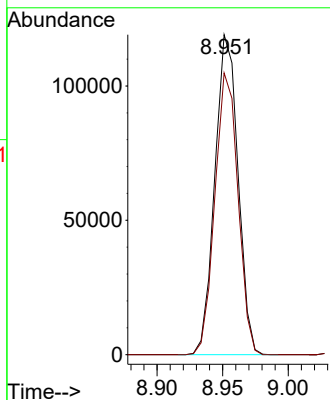
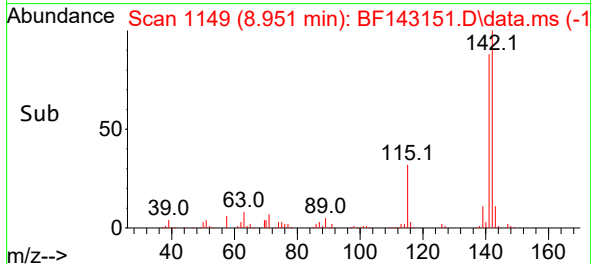
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT2-2025



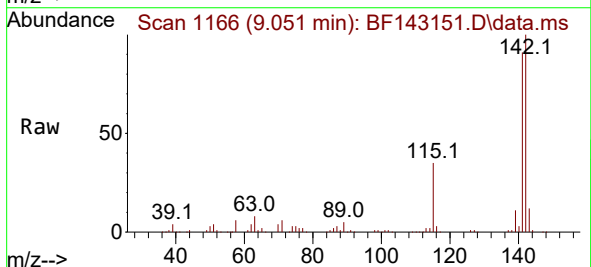
Tgt Ion:142 Resp: 146198
Ion Ratio Lower Upper
142 100
141 88.1 69.9 104.9

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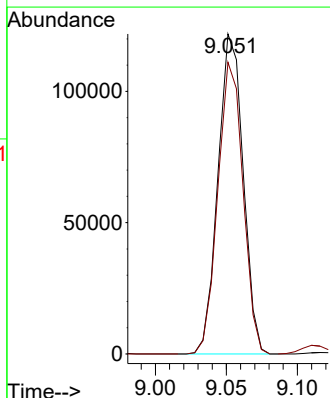
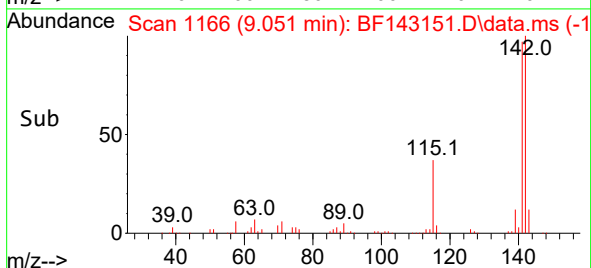
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

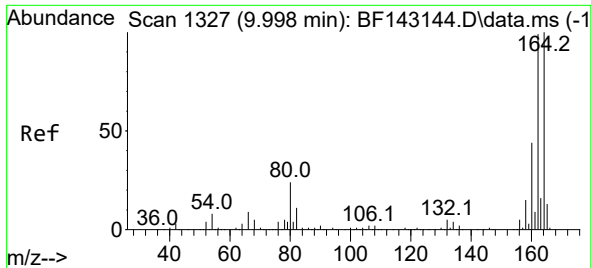


#38
1-Methylnaphthalene
Concen: 8.286 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36



Tgt Ion:142 Resp: 150221
Ion Ratio Lower Upper
142 100
141 91.1 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143151.D

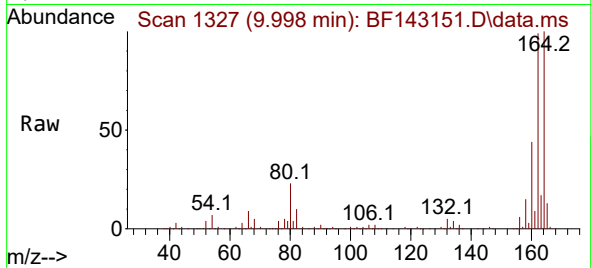
Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025



Tgt Ion:164 Resp: 30598

Ion Ratio Lower Upper

164 100

162 98.6 79.0 118.6

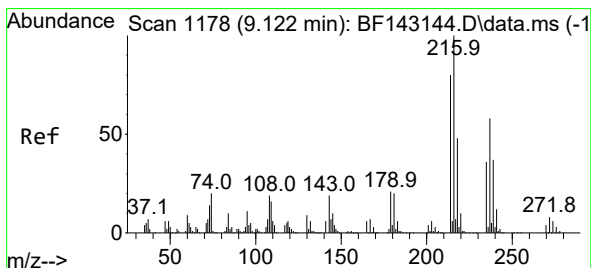
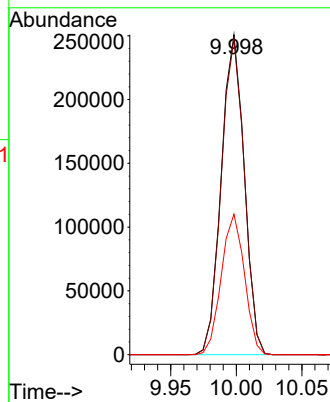
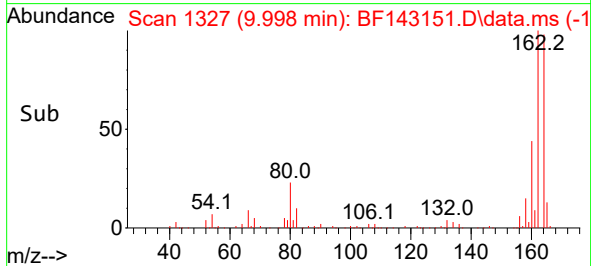
160 43.9 35.1 52.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.336 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Tgt Ion:216 Resp: 73643

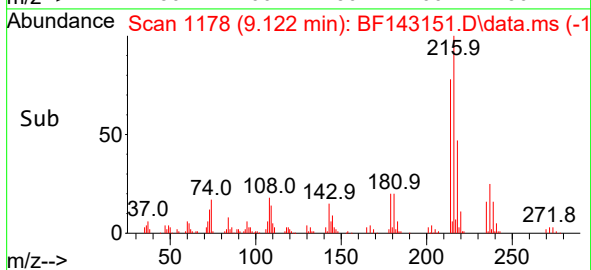
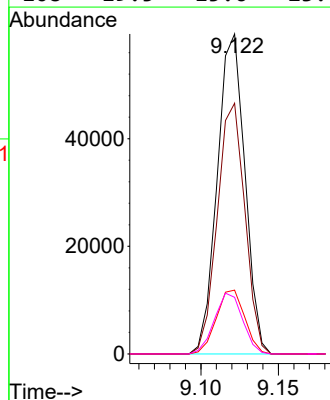
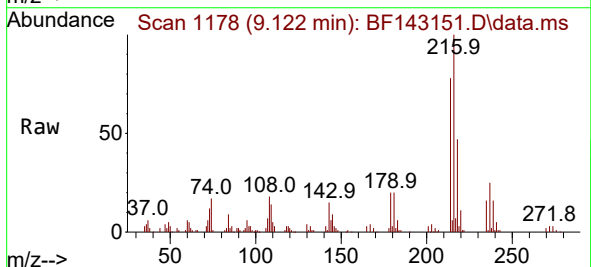
Ion Ratio Lower Upper

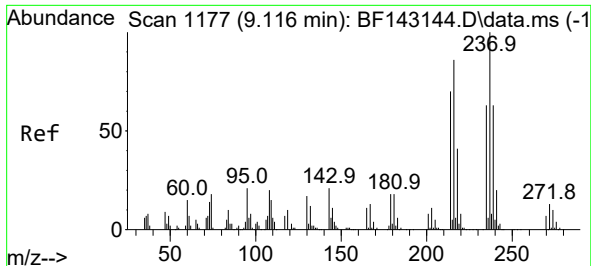
216 100

214 78.2 63.8 95.8

179 20.6 16.4 24.6

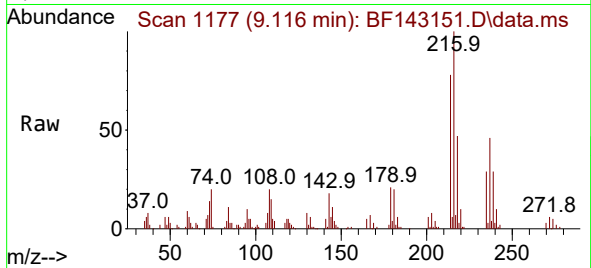
108 19.5 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 5.591 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

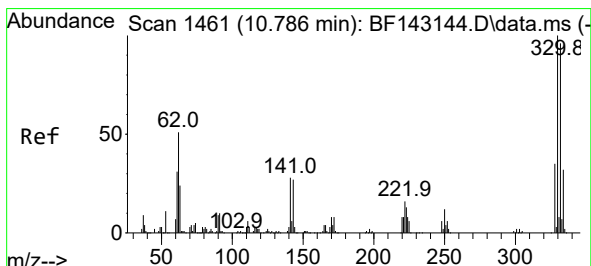
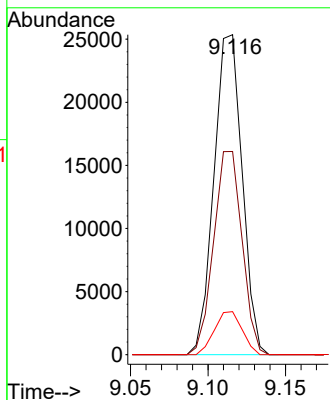
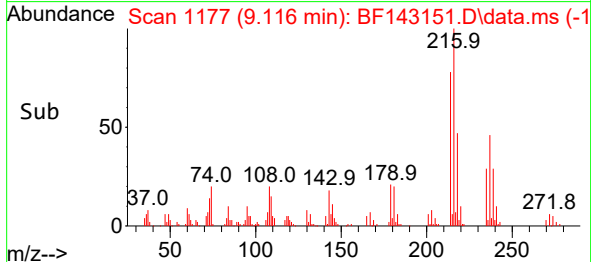
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



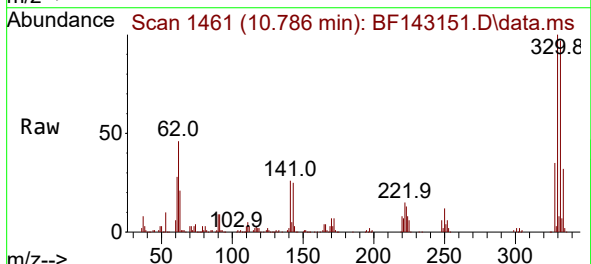
Tgt Ion:237 Resp: 3213
Ion Ratio Lower Upper
237 100
235 63.5 43.0 83.0
272 13.4 0.0 33.3

Manual Integrations
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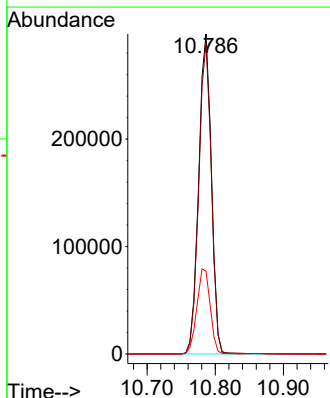
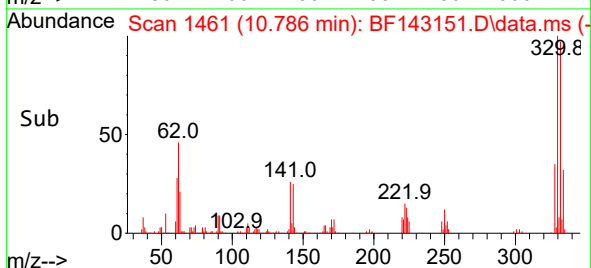
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

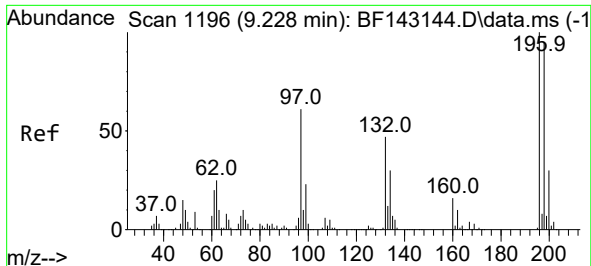


#42
2,4,6-Tribromophenol
Concen: 121.725 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36



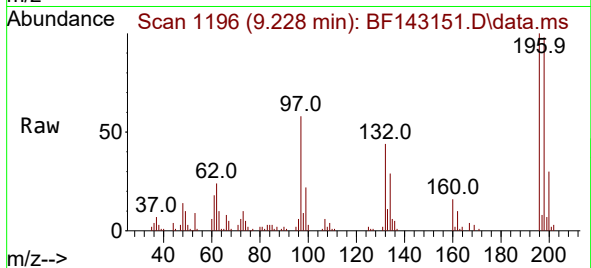
Tgt Ion:330 Resp: 384774
Ion Ratio Lower Upper
330 100
332 96.8 76.7 115.1
141 27.9 23.3 34.9





#43
2,4,6-Trichlorophenol
Concen: 7.486 ng
RT: 9.228 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

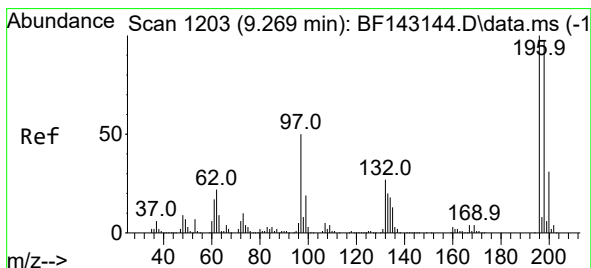
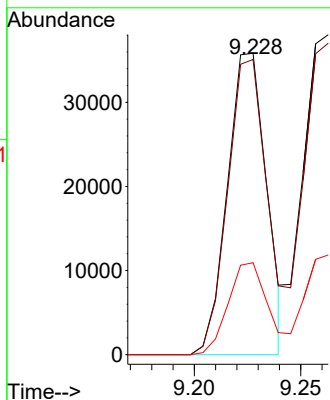
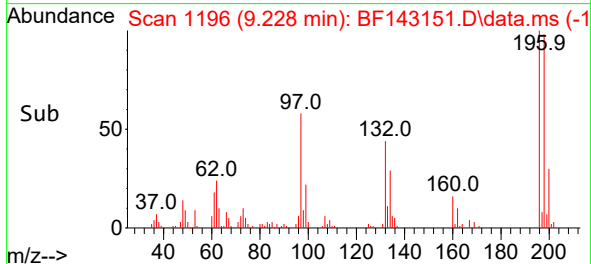
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



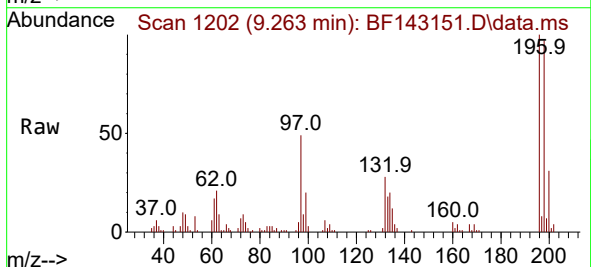
Tgt Ion:196 Resp: 4576
Ion Ratio Lower Upper
196 100
198 97.9 76.2 114.2
200 30.5 23.9 35.9

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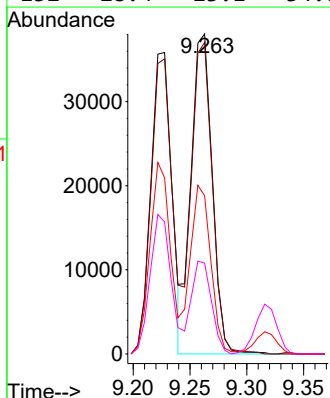
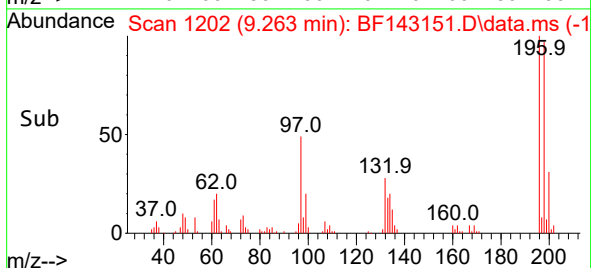
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

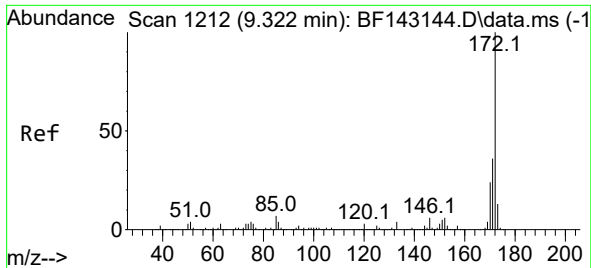


#44
2,4,5-Trichlorophenol
Concen: 8.106 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36



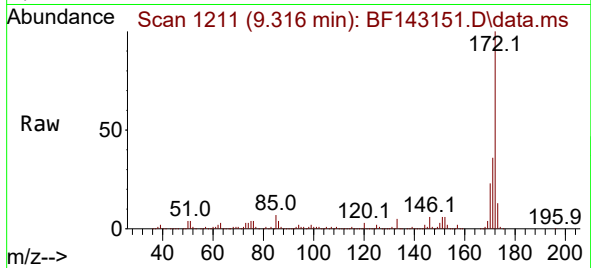
Tgt Ion:196 Resp: 49577
Ion Ratio Lower Upper
196 100
198 97.3 77.3 115.9
97 49.5 40.3 60.5
132 28.4 23.1 34.7





#45
2-Fluorobiphenyl
Concen: 73.091 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

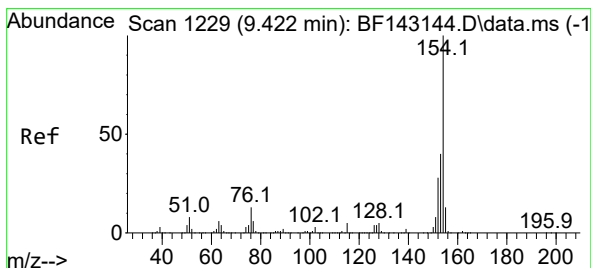
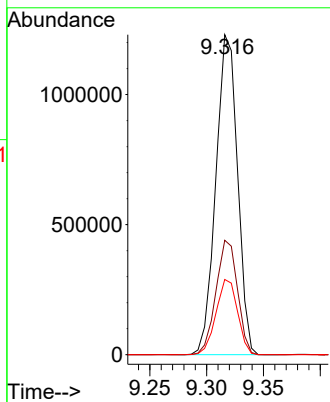
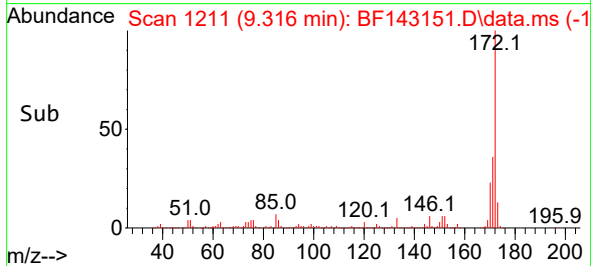
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:172 Resp: 1635298
Ion Ratio Lower Upper
172 100
171 35.8 28.6 42.8
170 23.5 18.8 28.2

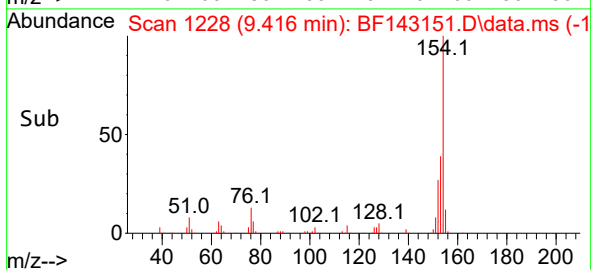
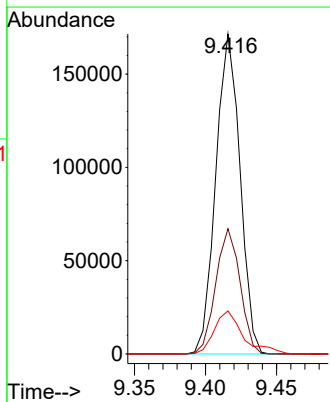
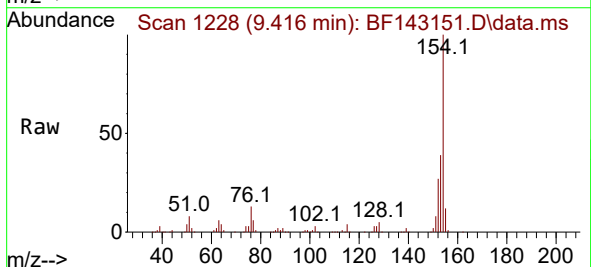
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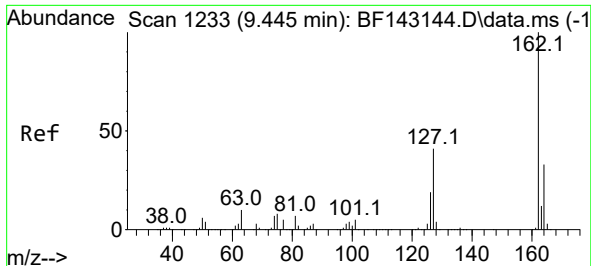
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#46
1,1'-Biphenyl
Concen: 8.500 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:154 Resp: 202912
Ion Ratio Lower Upper
154 100
153 39.1 20.3 60.3
76 13.4 0.0 33.3





#47

2-Chloronaphthalene

Concen: 8.244 ng

RT: 9.439 min Scan# 1232

Delta R.T. -0.006 min

Lab File: BF143151.D

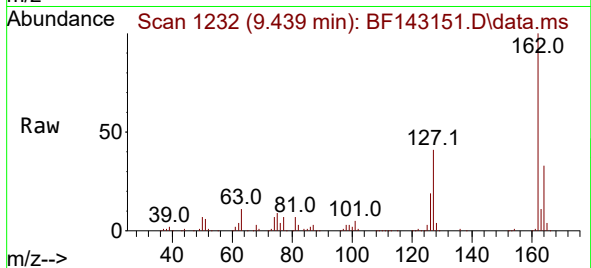
Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025



Tgt Ion:162 Resp: 14562

Ion Ratio Lower Upper

162 100

127 40.9 33.4 50.2

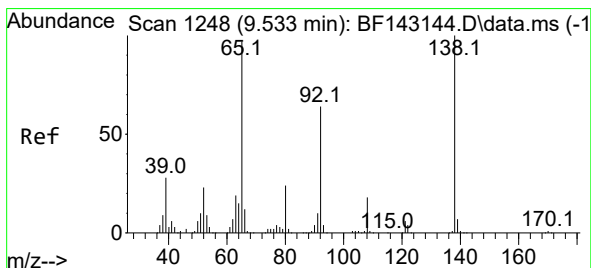
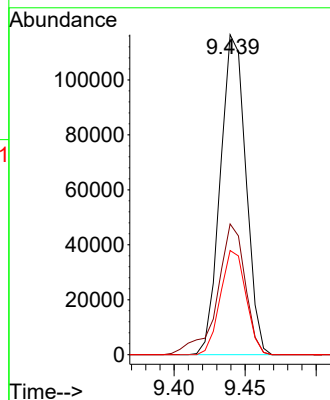
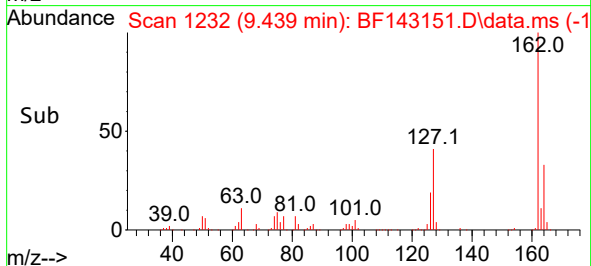
164 32.6 26.2 39.2

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#48

2-Nitroaniline

Concen: 7.478 ng

RT: 9.522 min Scan# 1246

Delta R.T. -0.012 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

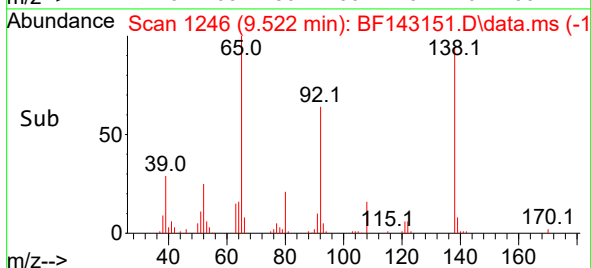
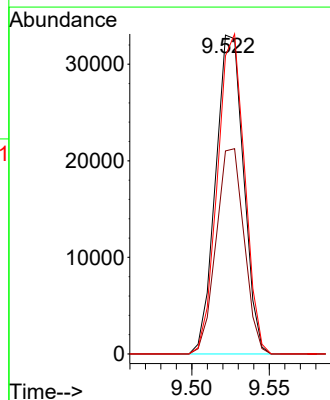
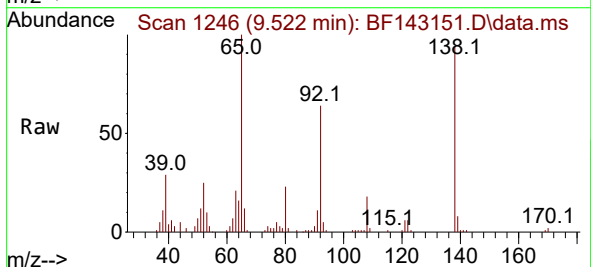
Tgt Ion: 65 Resp: 41425

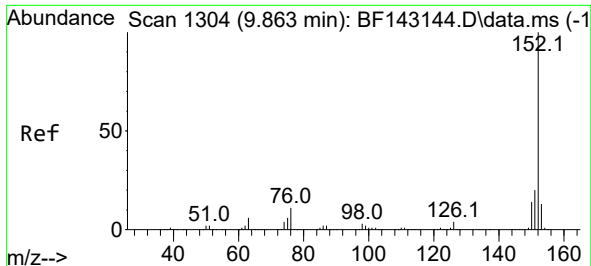
Ion Ratio Lower Upper

65 100

92 63.7 52.4 78.6

138 93.5 82.3 123.5





#49

Acenaphthylene

Concen: 8.233 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:152 Resp: 243708

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.2

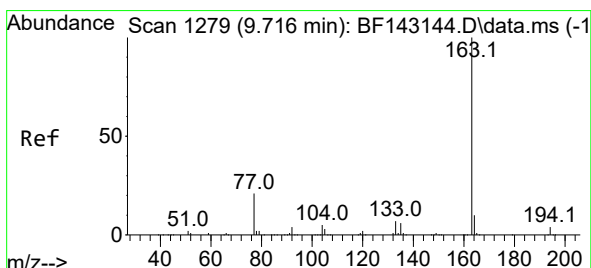
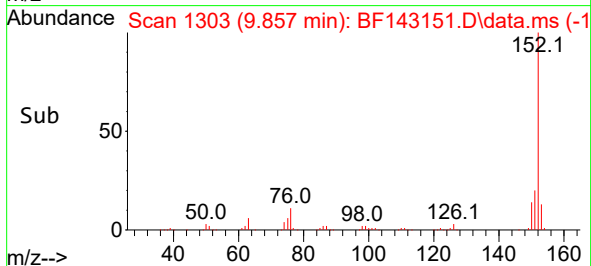
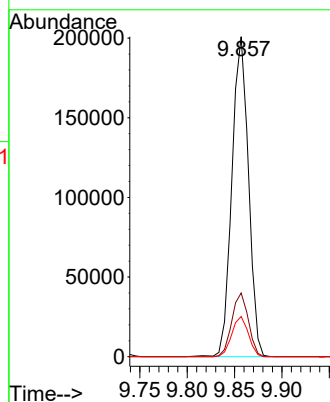
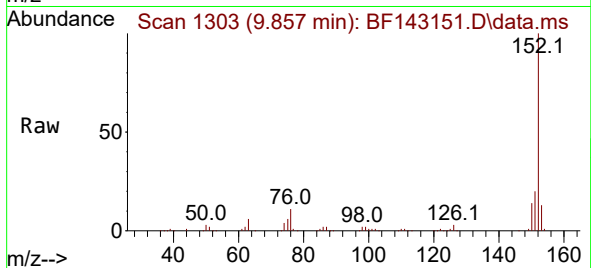
153 12.5 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#50

Dimethylphthalate

Concen: 8.288 ng

RT: 9.704 min Scan# 1277

Delta R.T. -0.012 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

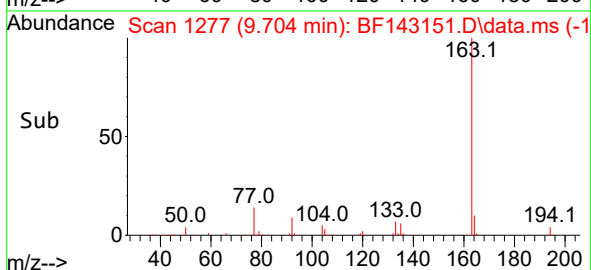
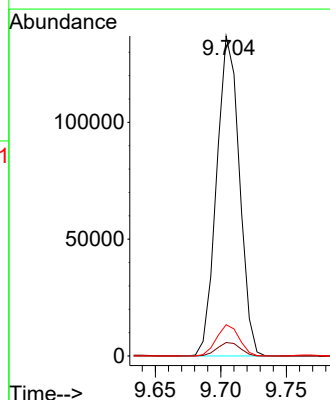
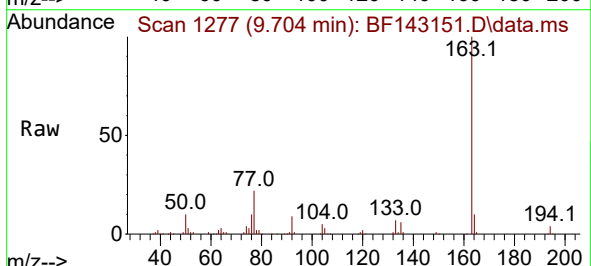
Tgt Ion:163 Resp: 165299

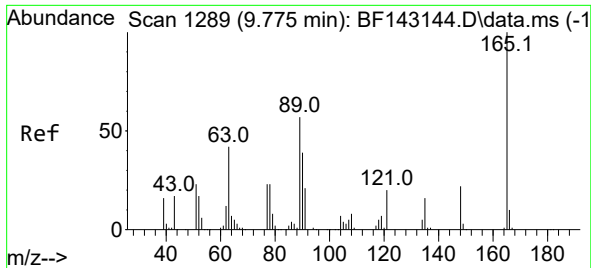
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

164 9.7 8.3 12.5





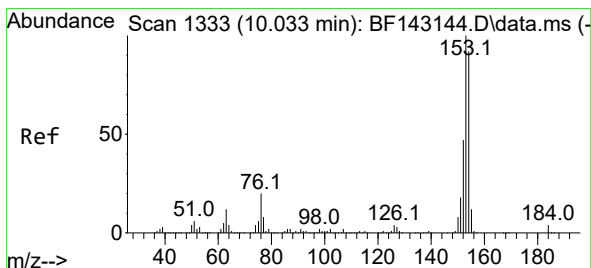
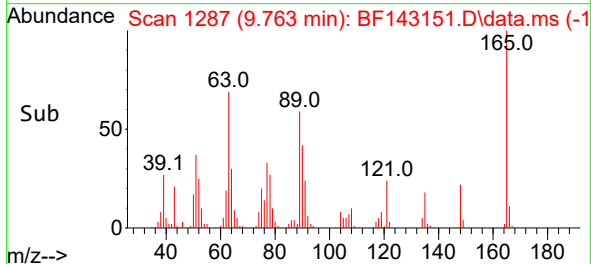
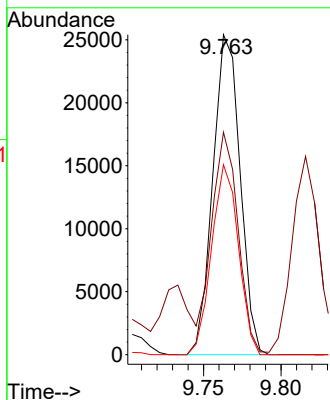
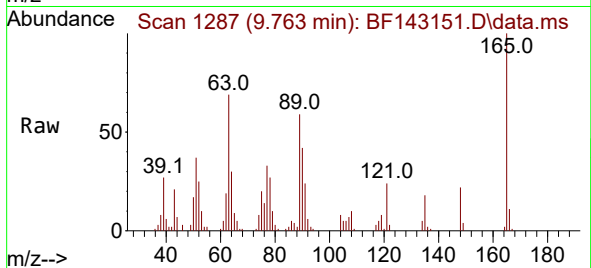
#51
2,6-Dinitrotoluene
Concen: 7.652 ng
RT: 9.763 min Scan# 1287
Delta R.T. -0.012 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion:165 Resp: 31049
Ion Ratio Lower Upper
165 100
63 69.5 49.4 74.2
89 59.3 46.2 69.2

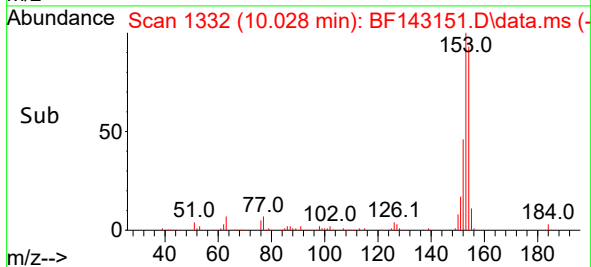
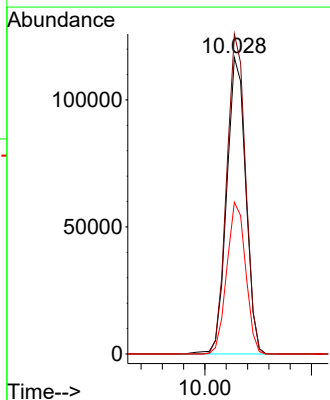
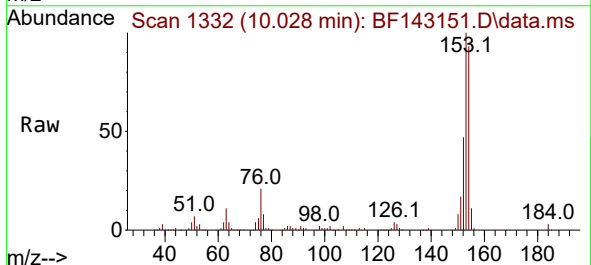
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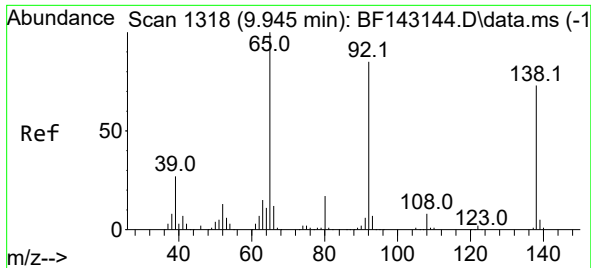
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#52
Acenaphthene
Concen: 8.288 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

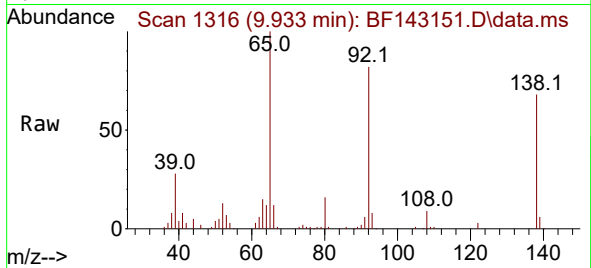
Tgt Ion:154 Resp: 145018
Ion Ratio Lower Upper
154 100
153 108.0 86.6 129.8
152 51.2 40.4 60.6





#53
3-Nitroaniline
Concen: 7.538 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

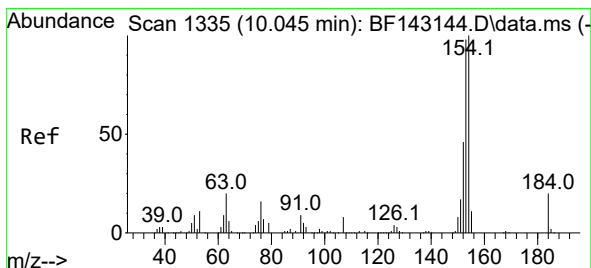
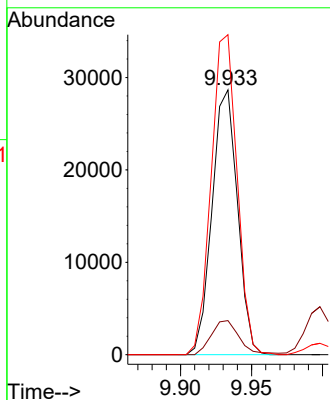
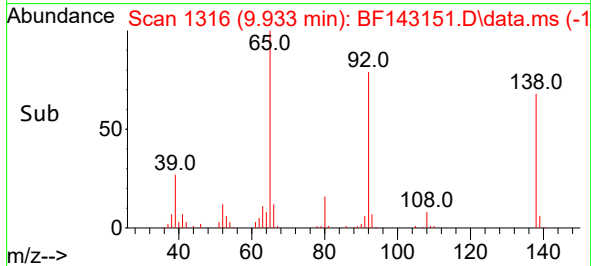
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion:138 Resp: 35772
Ion Ratio Lower Upper
138 100
108 12.9 9.0 13.6
92 120.8 93.0 139.4

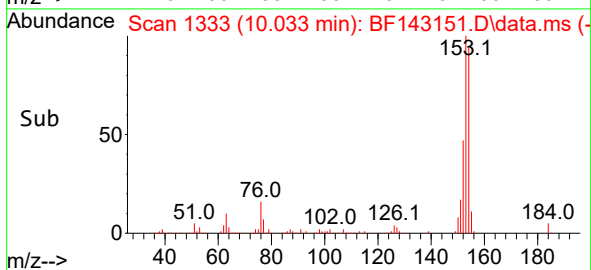
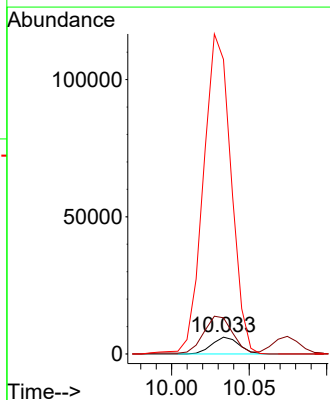
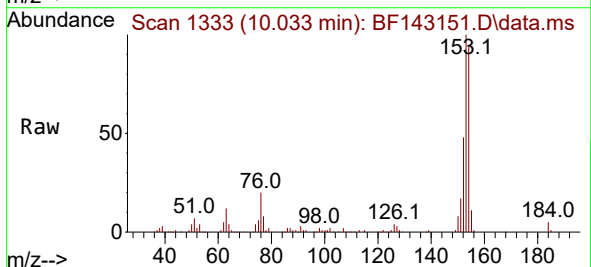
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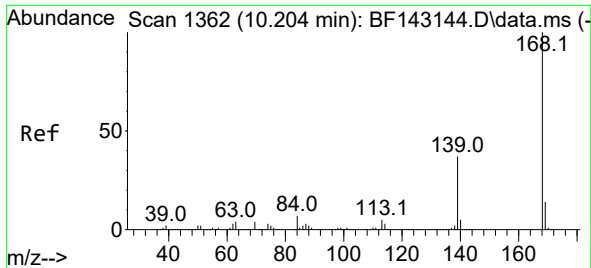
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#54
2,4-Dinitrophenol
Concen: 10.361 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

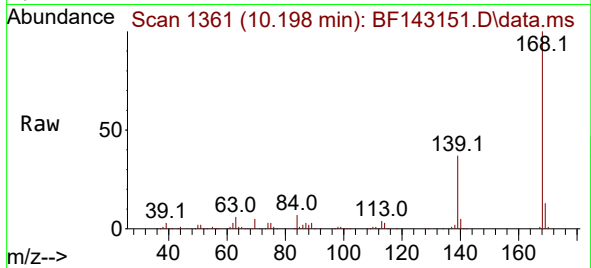
Tgt Ion:184 Resp: 7416
Ion Ratio Lower Upper
184 100
63 216.4 81.8 122.6#
154 1759.0 412.2 618.4#





#55
Dibenzenofuran
Concen: 8.302 ng
RT: 10.198 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

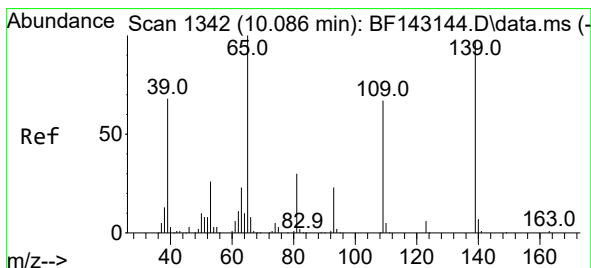
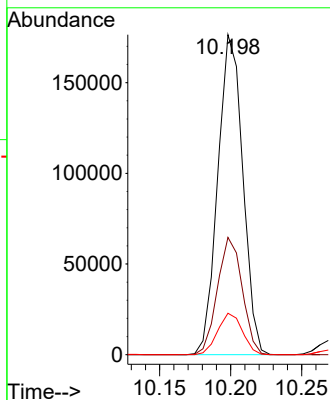
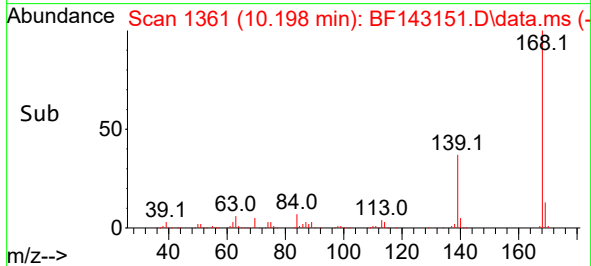
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT2-2025



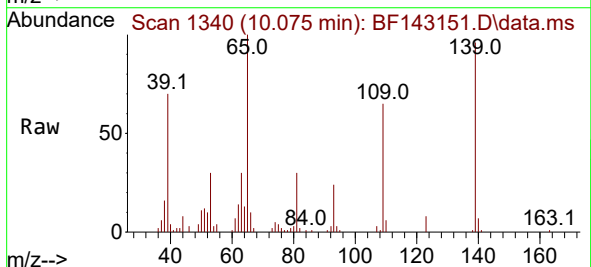
Tgt Ion:168 Resp: 215648
Ion Ratio Lower Upper
168 100
139 36.6 29.5 44.3
169 13.0 10.9 16.3

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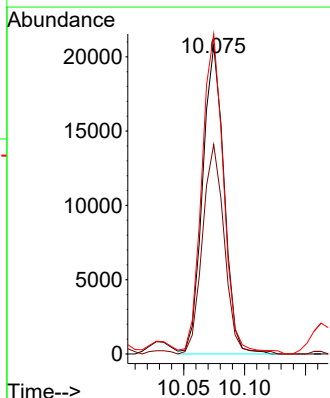
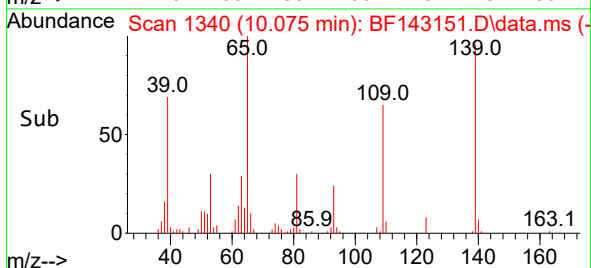
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

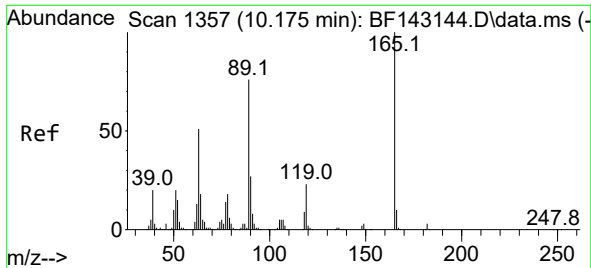


#56
4-Nitrophenol
Concen: 7.137 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.012 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36



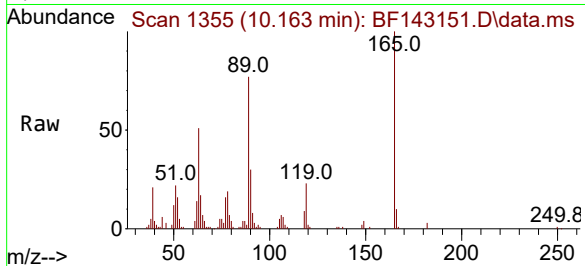
Tgt Ion:139 Resp: 25291
Ion Ratio Lower Upper
139 100
109 67.9 48.5 88.5
65 103.8 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 7.734 ng
RT: 10.163 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

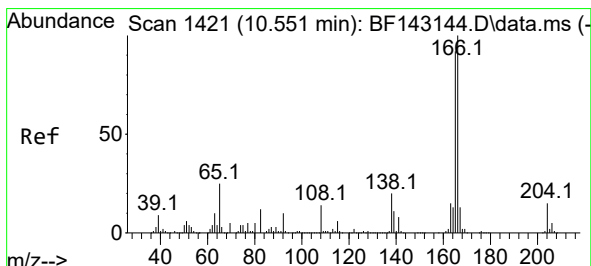
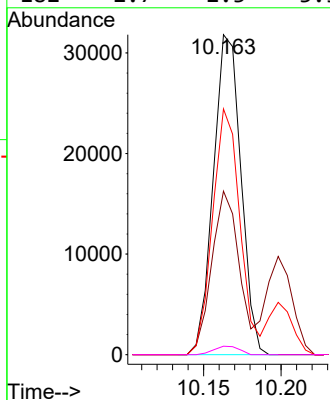
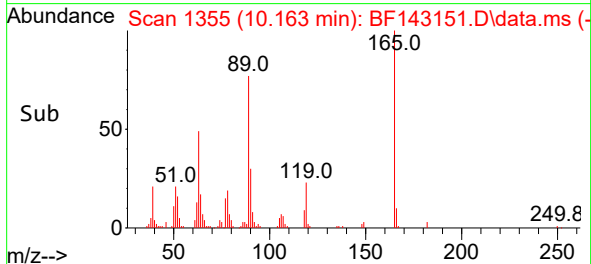
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:165 Resp: 39370
Ion Ratio Lower Upper
165 100
63 51.1 41.0 61.4
89 76.8 61.1 91.7
182 2.7 2.3 3.5

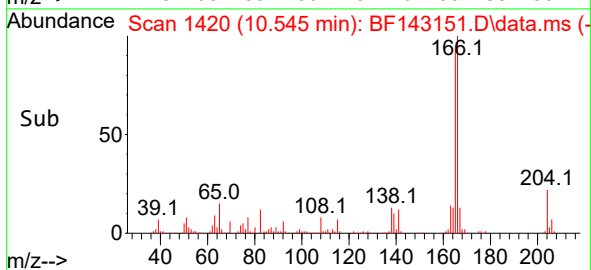
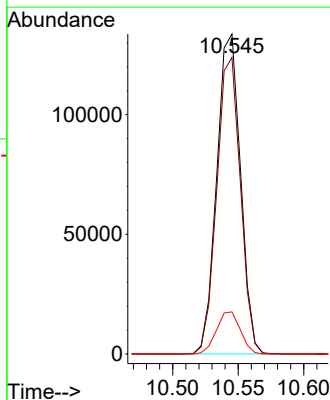
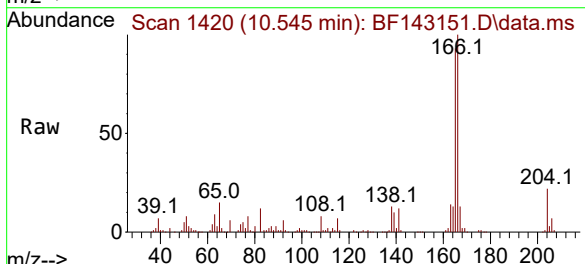
Manual Integrations
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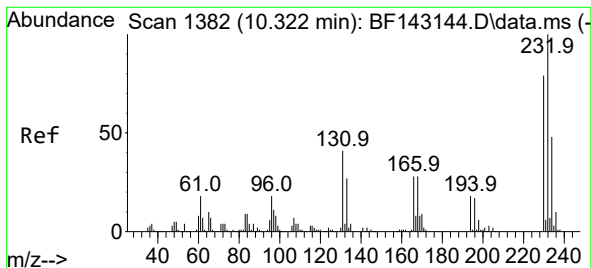
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#58
Fluorene
Concen: 8.622 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

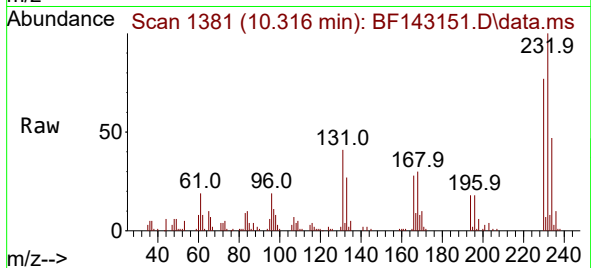
Tgt Ion:166 Resp: 168095
Ion Ratio Lower Upper
166 100
165 92.6 73.7 110.5
167 13.2 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.044 ng
RT: 10.316 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

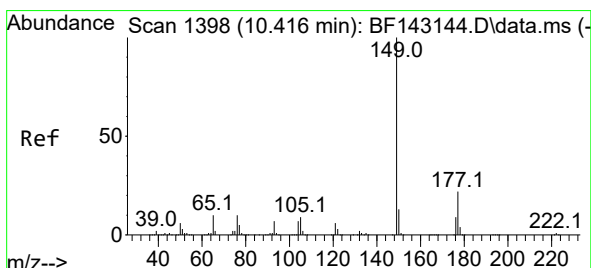
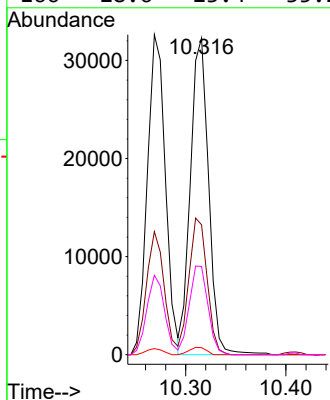
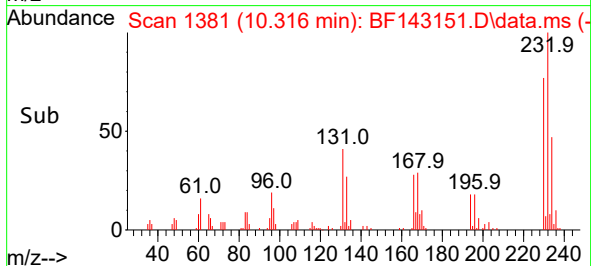
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:232 Resp: 40754
Ion Ratio Lower Upper
232 100
131 42.8 35.3 52.9
130 2.1 1.7 2.5
166 28.6 23.4 35.2

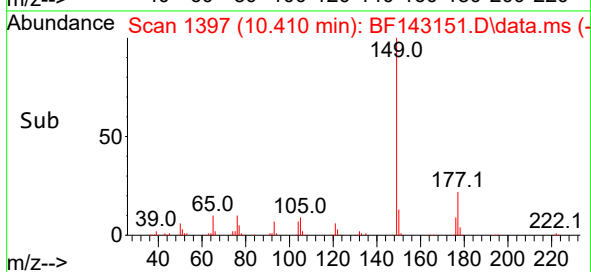
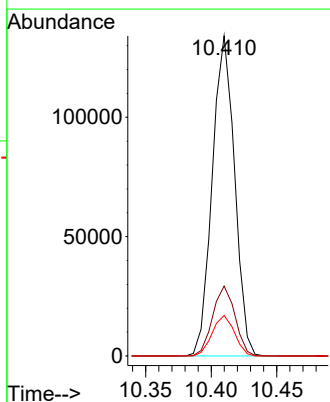
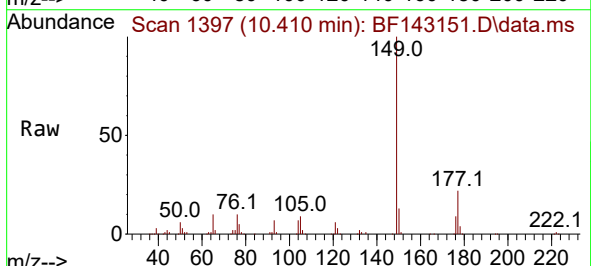
Manual Integrations
APPROVED

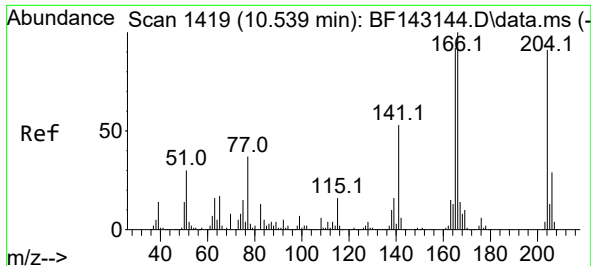
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#60
Diethylphthalate
Concen: 8.043 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

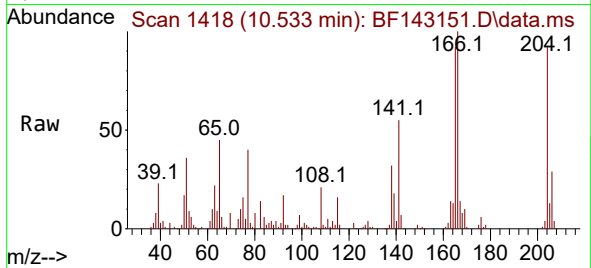
Tgt Ion:149 Resp: 158560
Ion Ratio Lower Upper
149 100
177 21.8 17.5 26.3
150 12.7 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 8.298 ng
RT: 10.533 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

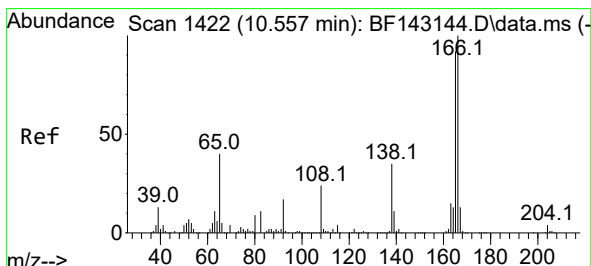
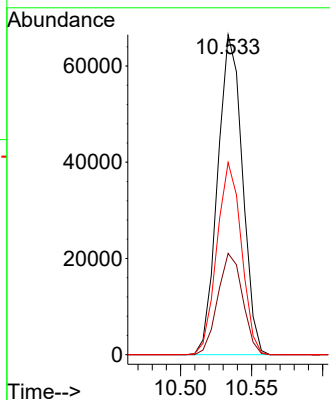
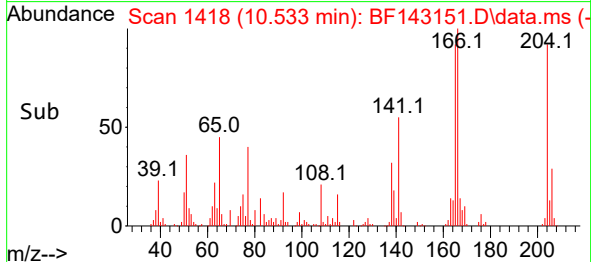
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT2-2025



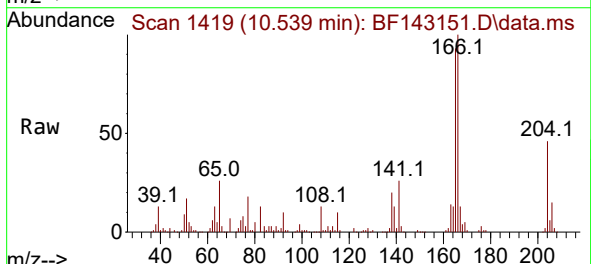
Tgt Ion:204 Resp: 8055
Ion Ratio Lower Upper
204 100
206 31.6 25.8 38.8
141 60.1 47.0 70.4

Manual Integrations
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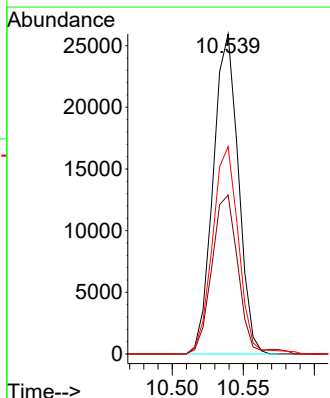
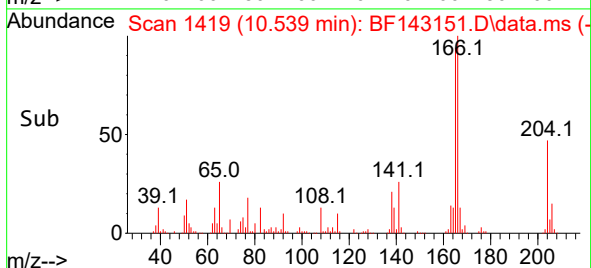
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

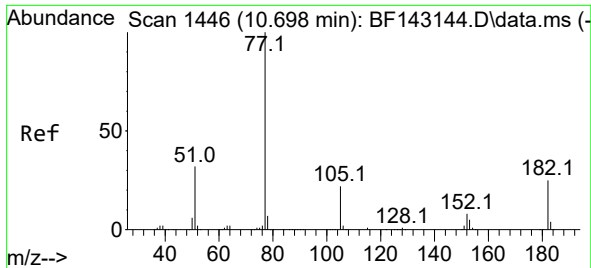


#62
4-Nitroaniline
Concen: 7.859 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.018 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36



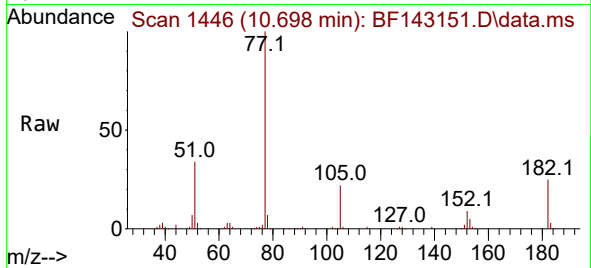
Tgt Ion:138 Resp: 31964
Ion Ratio Lower Upper
138 100
92 49.6 29.3 69.3
108 64.8 48.3 88.3





#63
Azobenzene
Concen: 8.125 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

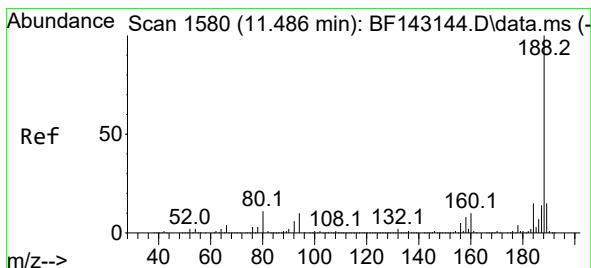
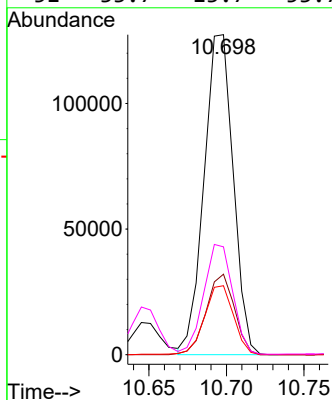
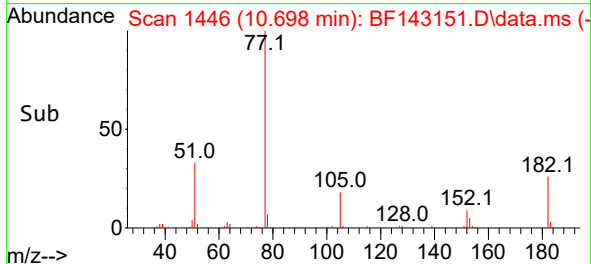
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



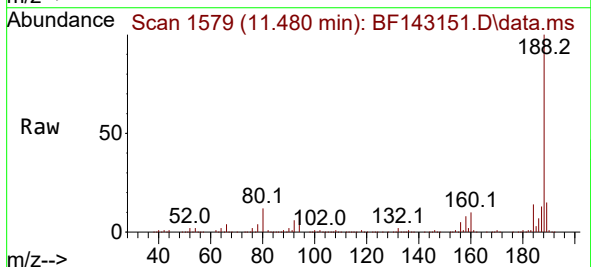
Tgt Ion: 77 Resp: 166940
Ion Ratio Lower Upper
77 100
182 25.1 4.6 44.6
105 21.6 1.4 41.4
51 33.7 13.7 53.7

Manual Integrations
APPROVED

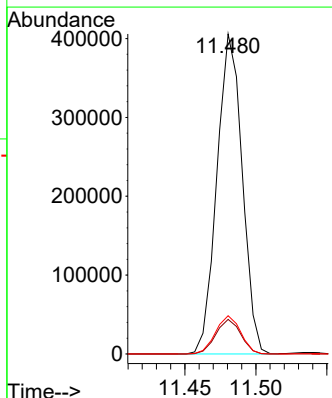
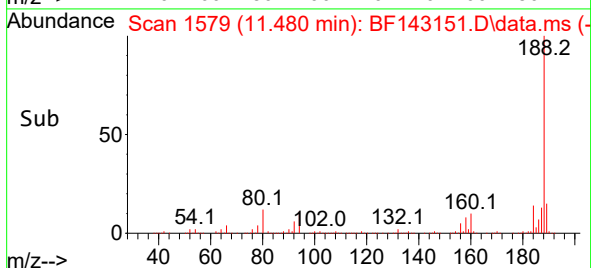
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

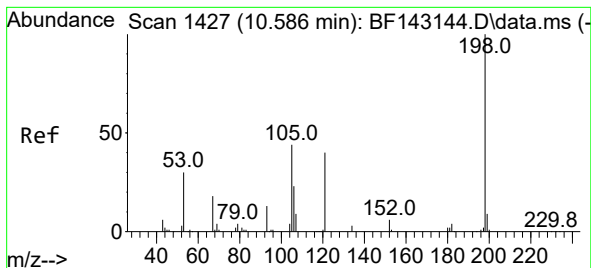


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36



Tgt Ion:188 Resp: 502822
Ion Ratio Lower Upper
188 100
94 10.8 8.3 12.5
80 12.0 9.0 13.6





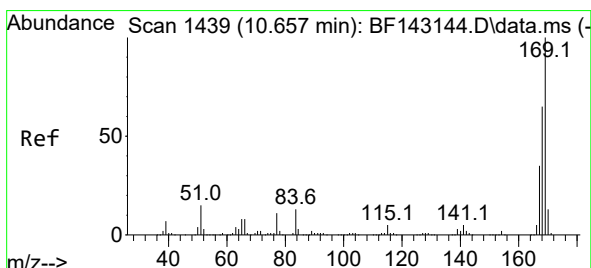
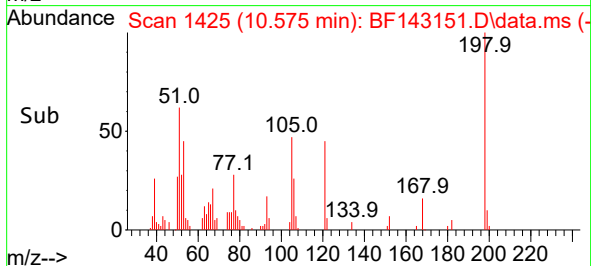
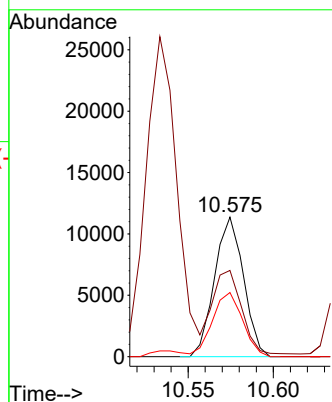
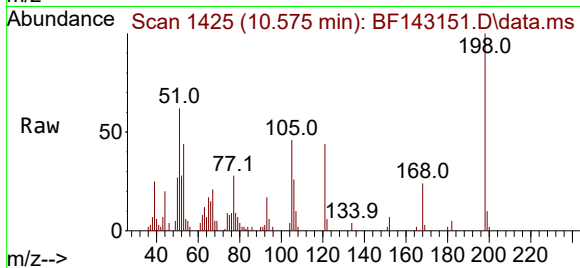
#65
4,6-Dinitro-2-methylphenol
Concen: 9.935 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.011 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion:198 Resp: 13430
Ion Ratio Lower Upper
198 100
51 61.9 37.2 77.2
105 46.0 24.8 64.8

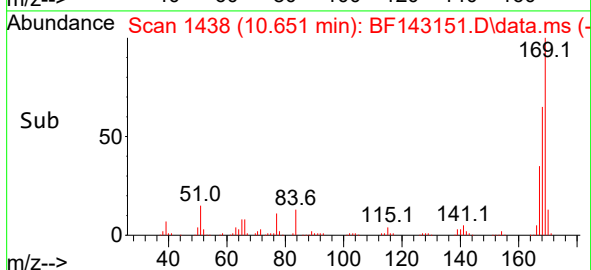
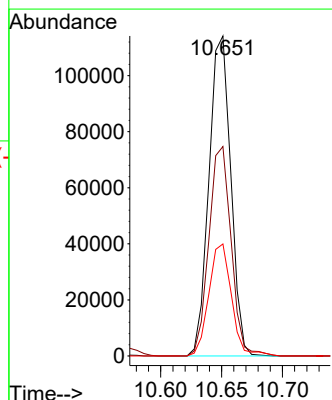
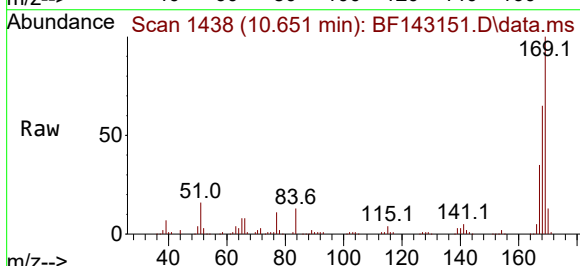
Manual Integrations
APPROVED

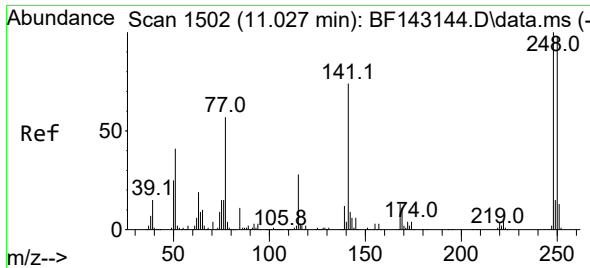
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#66
n-Nitrosodiphenylamine
Concen: 8.023 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

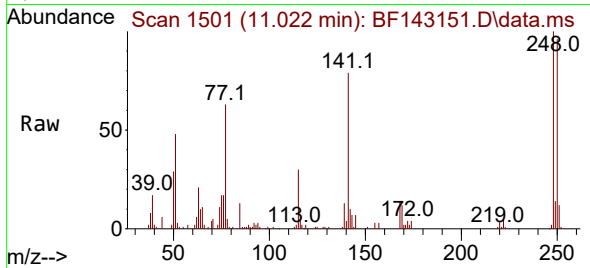
Tgt Ion:169 Resp: 142051
Ion Ratio Lower Upper
169 100
168 65.5 52.1 78.1
167 35.0 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 7.970 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

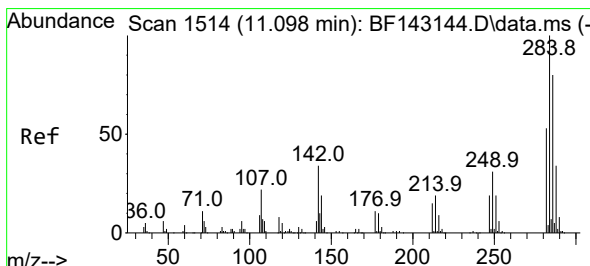
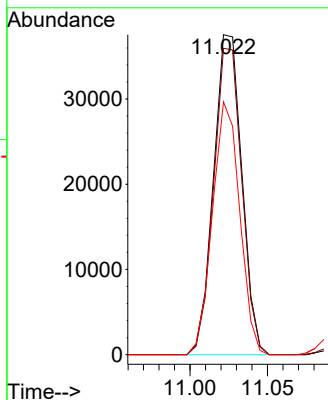
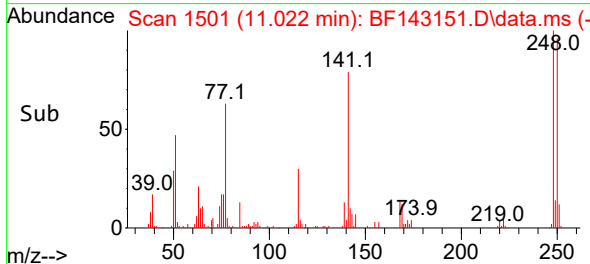
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT2-2025



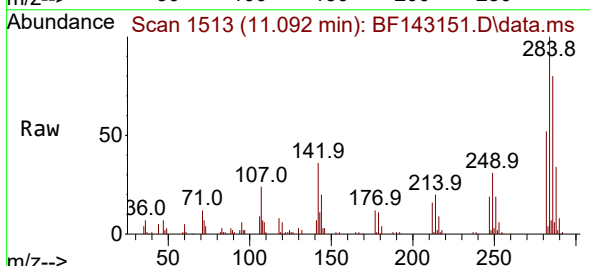
Tgt Ion:248 Resp: 47760
Ion Ratio Lower Upper
248 100
250 95.7 78.3 117.5
141 79.0 59.2 88.8

Manual Integrations
APPROVED

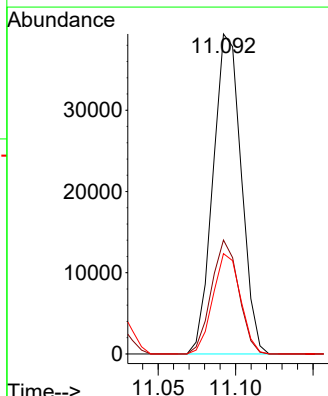
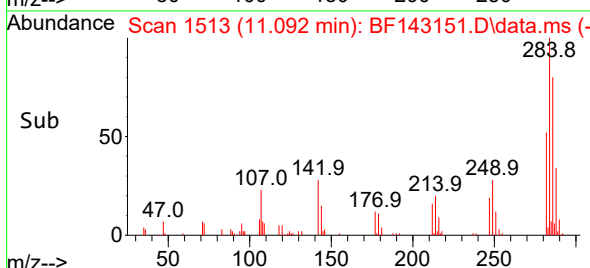
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

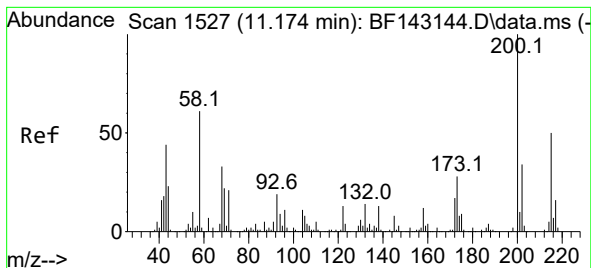


#68
Hexachlorobenzene
Concen: 7.955 ng
RT: 11.092 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36



Tgt Ion:284 Resp: 49825
Ion Ratio Lower Upper
284 100
142 35.6 27.0 40.6
249 31.4 25.0 37.6





#69

Atrazine

Concen: 7.674 ng

RT: 11.169 min Scan# 1526

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

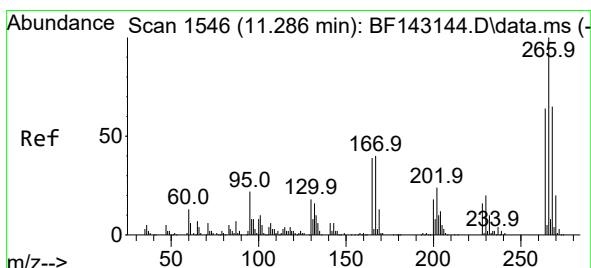
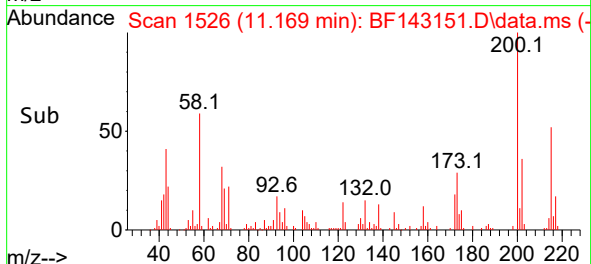
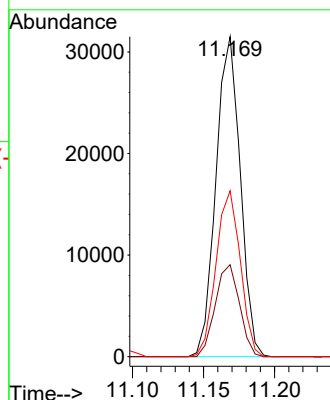
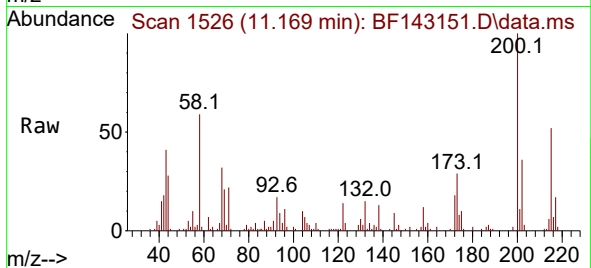
Tgt Ion:200 Resp: 37459
 Ion Ratio Lower Upper
 200 100
 173 28.8 7.9 47.9
 215 51.9 30.1 70.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#70

Pentachlorophenol

Concen: 6.768 ng

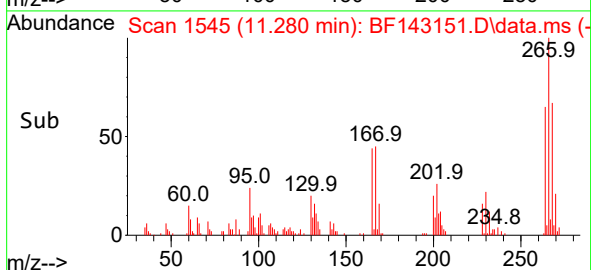
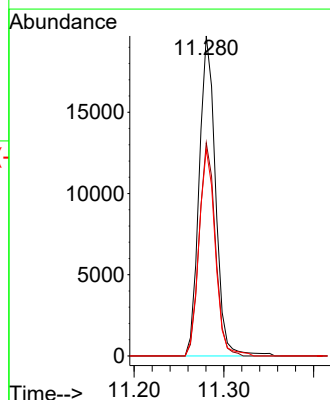
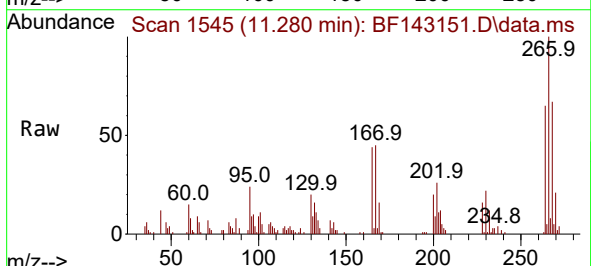
RT: 11.280 min Scan# 1545

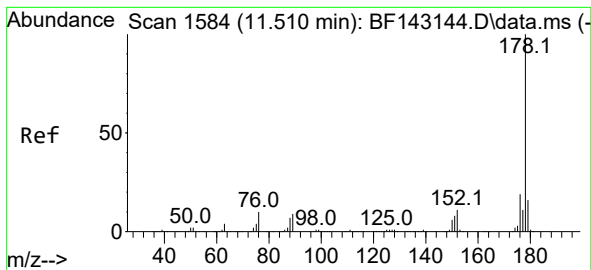
Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Tgt Ion:266 Resp: 24928
 Ion Ratio Lower Upper
 266 100
 268 66.6 51.9 77.9
 264 64.6 51.0 76.6





#71

Phenanthrene

Concen: 8.289 ng

RT: 11.504 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:178 Resp: 221308

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

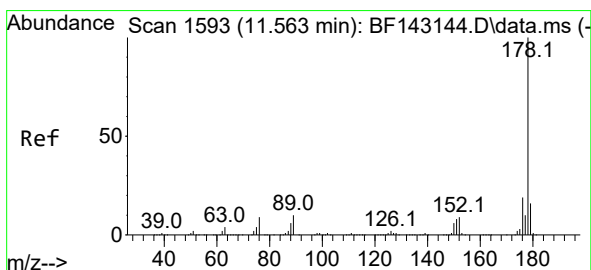
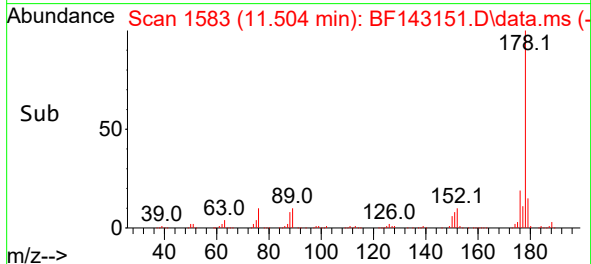
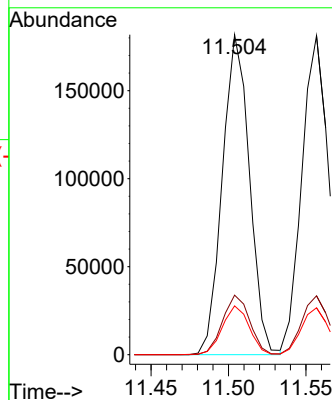
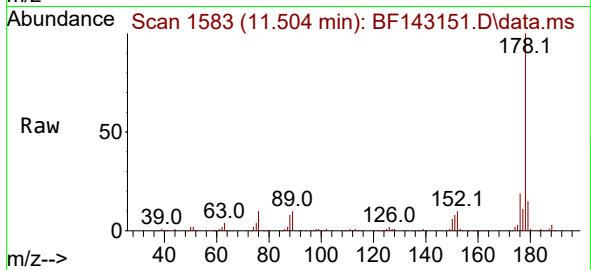
179 15.2 12.5 18.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#72

Anthracene

Concen: 8.045 ng

RT: 11.557 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

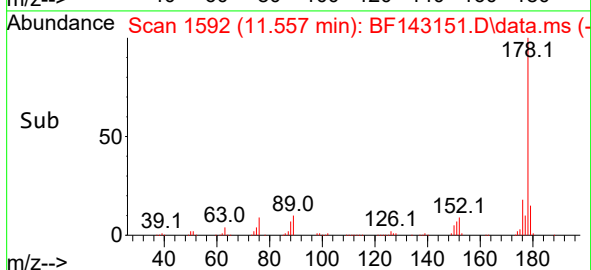
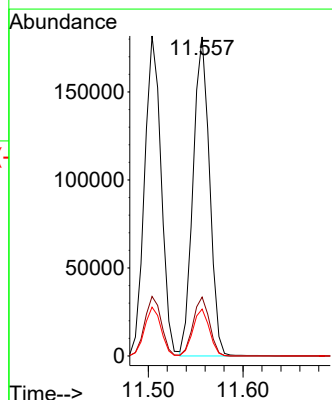
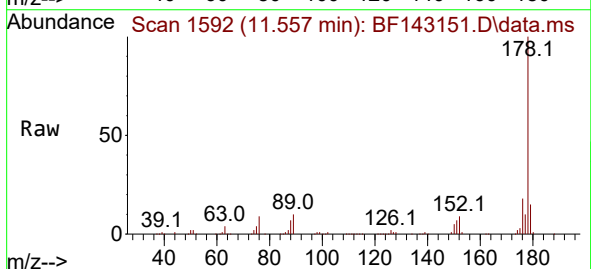
Tgt Ion:178 Resp: 219064

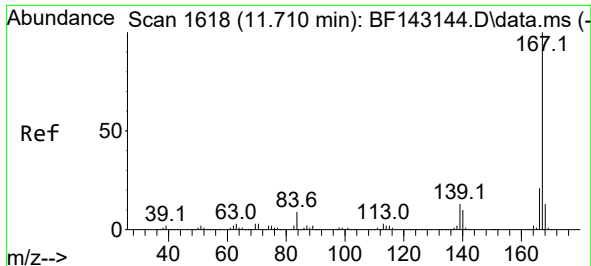
Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

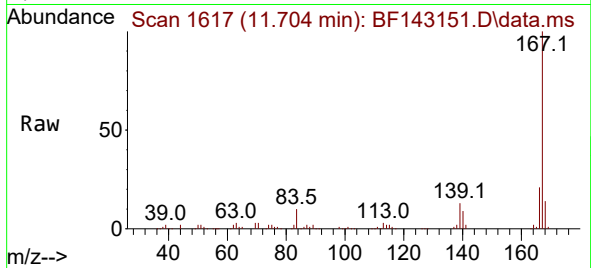
179 14.7 12.5 18.7





#73
 Carbazole
 Concen: 8.162 ng
 RT: 11.704 min Scan# 1617
 Delta R.T. -0.006 min
 Lab File: BF143151.D
 Acq: 17 Jul 2025 16:36

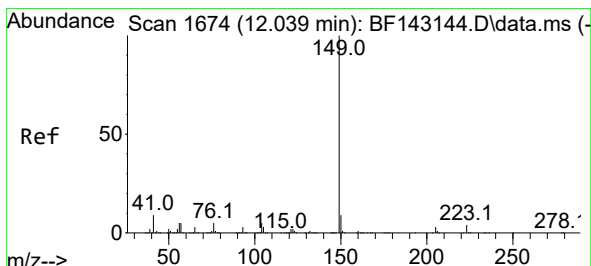
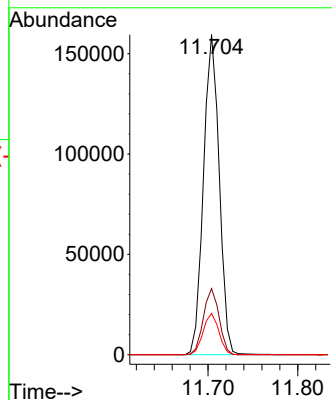
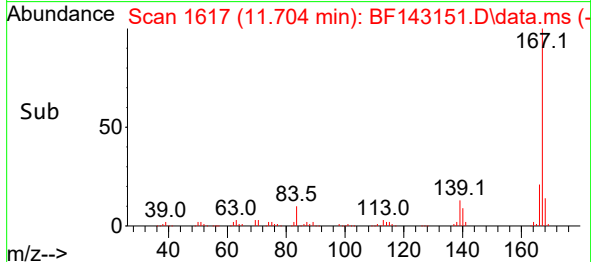
Instrument : BNA_F
 ClientSampleId : MDL-SOIL-03-QT2-2025



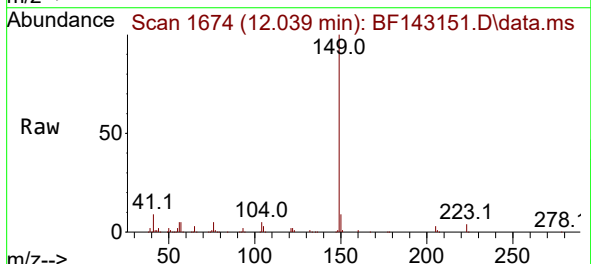
Tgt Ion:167 Resp: 194052
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.0 25.6
 139 12.9 10.0 15.0

Manual Integrations
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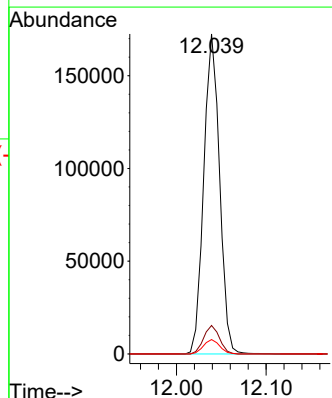
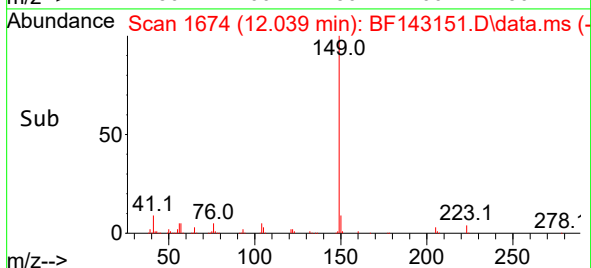
Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

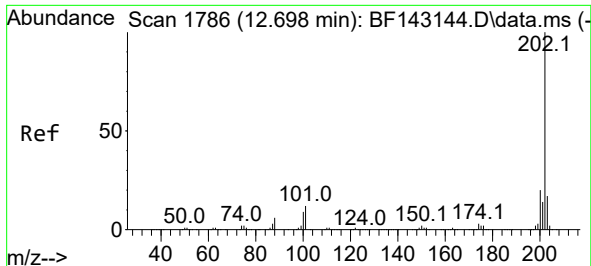


#74
 Di-n-butylphthalate
 Concen: 7.836 ng
 RT: 12.039 min Scan# 1674
 Delta R.T. 0.000 min
 Lab File: BF143151.D
 Acq: 17 Jul 2025 16:36



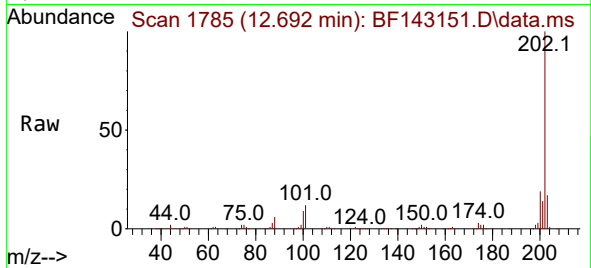
Tgt Ion:149 Resp: 210820
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.4 11.2
 104 4.5 3.8 5.8





#75
Fluoranthene
Concen: 8.255 ng
RT: 12.692 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

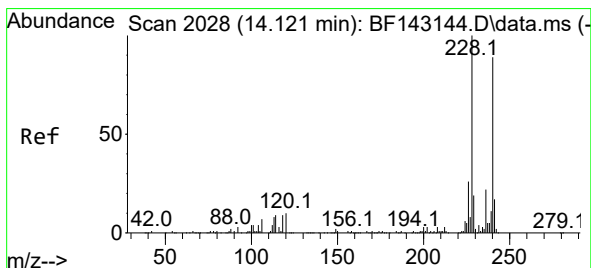
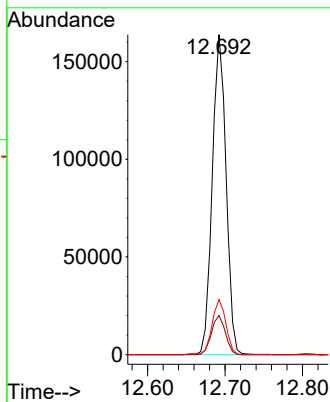
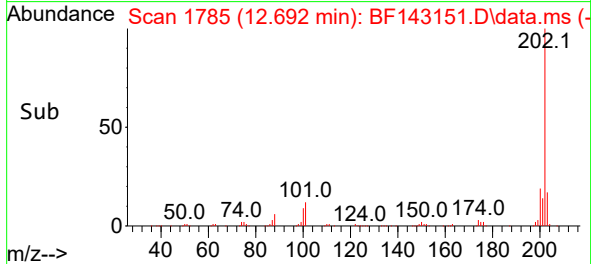
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



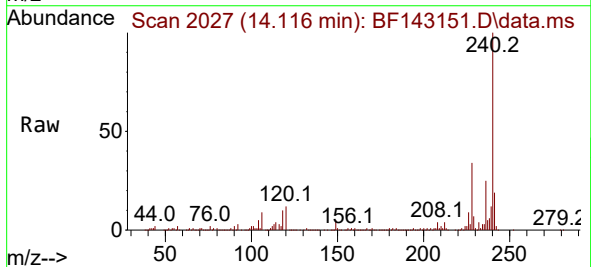
Tgt Ion:202 Resp: 202300
Ion Ratio Lower Upper
202 100
101 12.3 0.0 31.7
203 17.2 0.0 37.4

Manual Integrations
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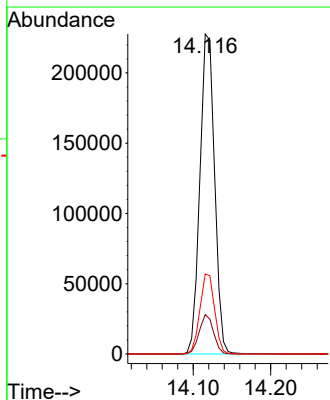
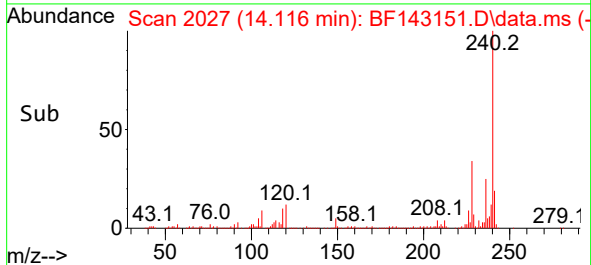
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

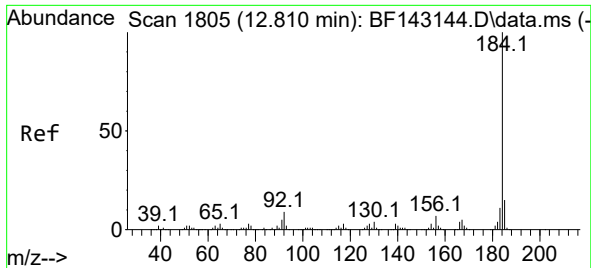


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36



Tgt Ion:240 Resp: 300380
Ion Ratio Lower Upper
240 100
120 12.3 9.4 14.2
236 25.0 20.2 30.4





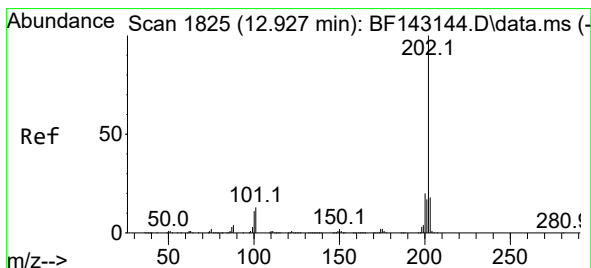
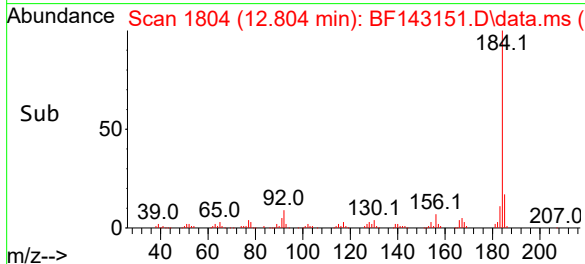
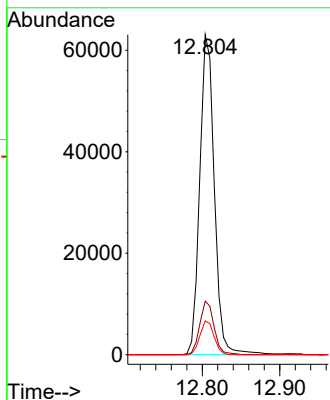
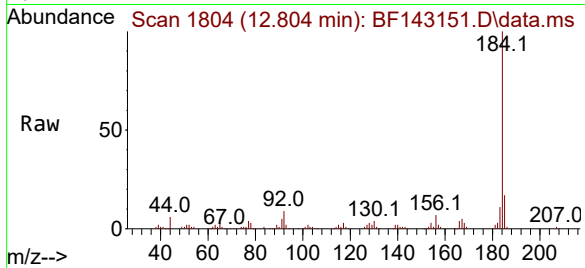
#77
Benzidine
Concen: 7.133 ng
RT: 12.804 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT2-2025

Tgt Ion:184 Resp: 82554
Ion Ratio Lower Upper
184 100
185 16.8 12.2 18.4
183 10.5 9.0 13.4

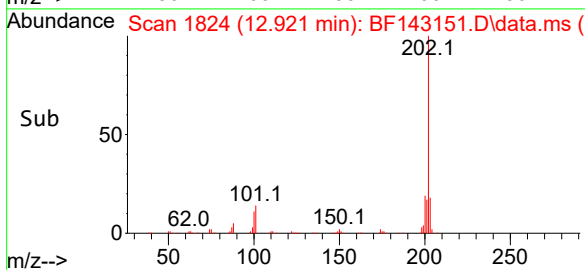
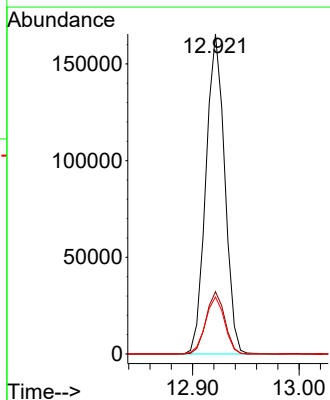
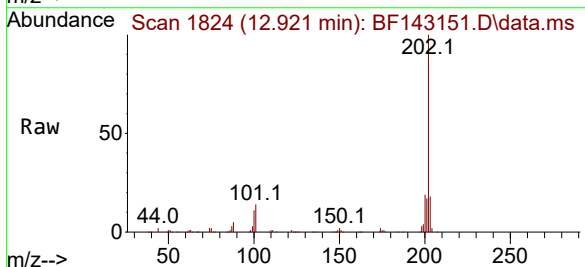
Manual Integrations
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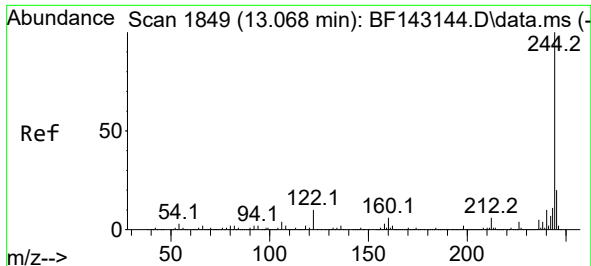
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#78
Pyrene
Concen: 7.928 ng
RT: 12.921 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

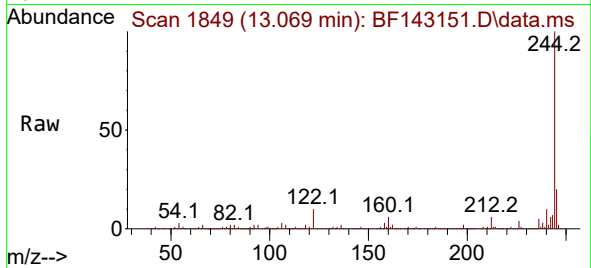
Tgt Ion:202 Resp: 203242
Ion Ratio Lower Upper
202 100
200 19.4 15.7 23.5
203 17.8 14.2 21.2





#79
 Terphenyl-d14
 Concen: 75.364 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143151.D
 Acq: 17 Jul 2025 16:36

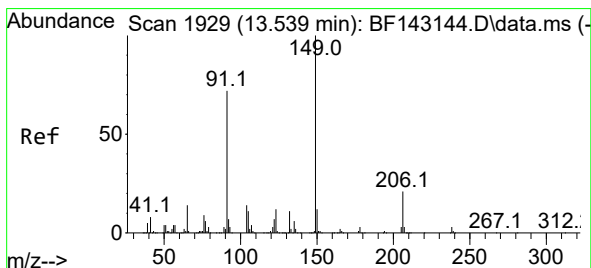
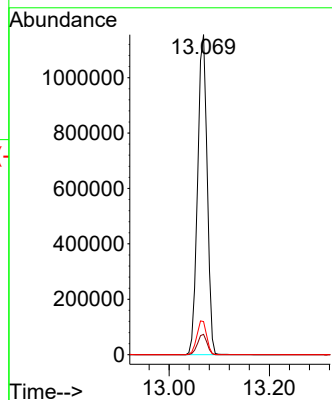
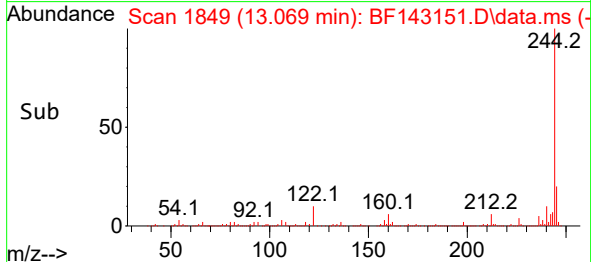
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2025



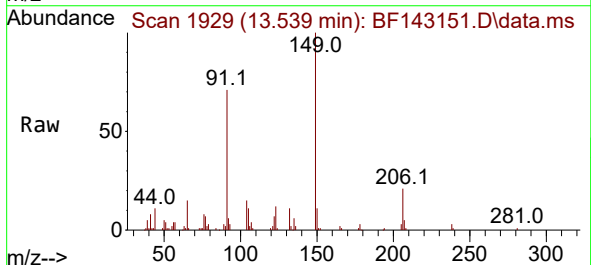
Tgt Ion:244 Resp: 152125
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 10.4 8.2 12.2

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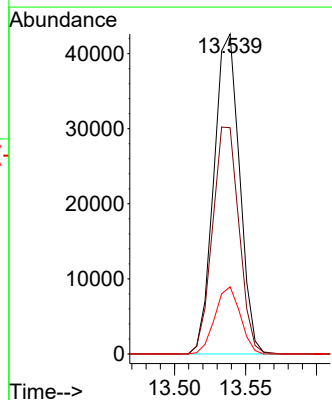
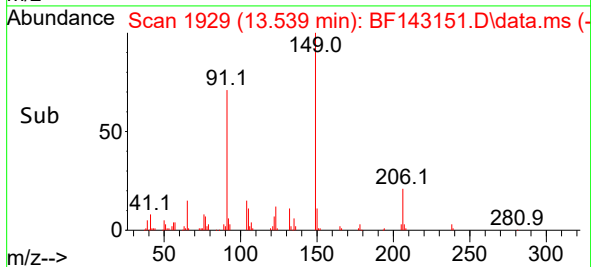
Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

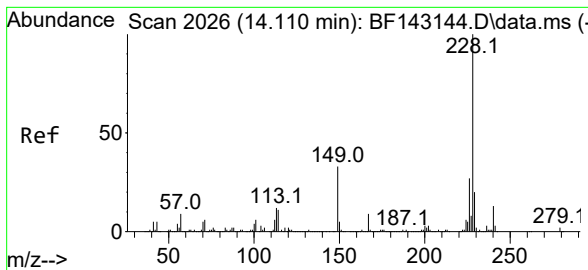


#80
 Butylbenzylphthalate
 Concen: 6.834 ng
 RT: 13.539 min Scan# 1929
 Delta R.T. 0.000 min
 Lab File: BF143151.D
 Acq: 17 Jul 2025 16:36



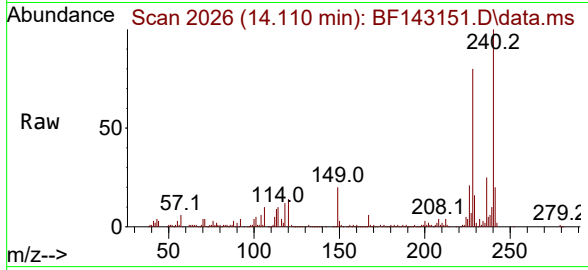
Tgt Ion:149 Resp: 53651
 Ion Ratio Lower Upper
 149 100
 91 70.7 57.9 86.9
 206 21.0 17.0 25.4





#81
 Benzo(a)anthracene
 Concen: 7.866 ng
 RT: 14.110 min Scan# 2018
 Delta R.T. 0.000 min
 Lab File: BF143151.D
 Acq: 17 Jul 2025 16:36

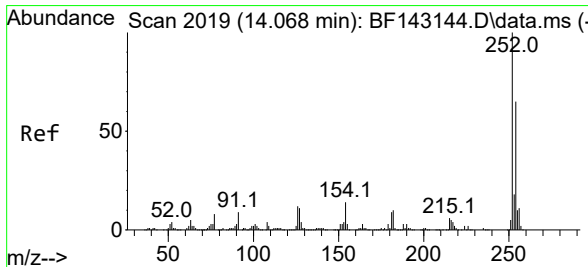
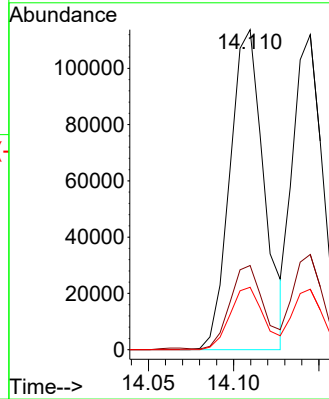
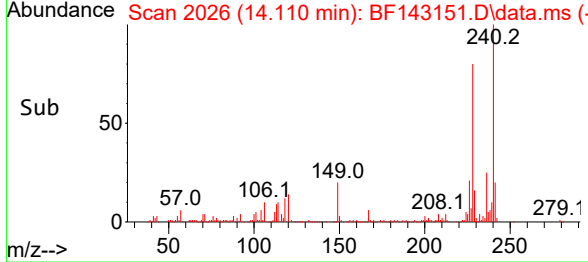
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2025



Tgt Ion:228 Resp: 15819
 Ion Ratio Lower Upper
 228 100
 226 26.3 21.7 32.5
 229 19.5 15.8 23.6

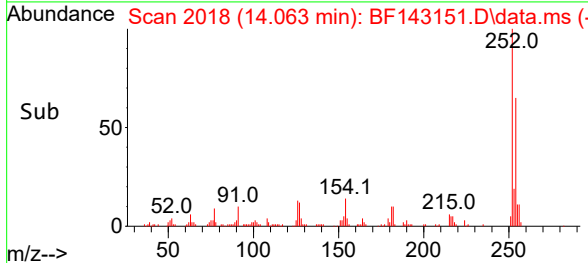
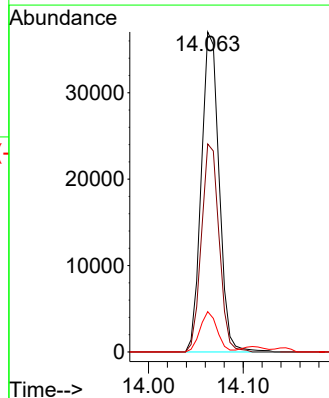
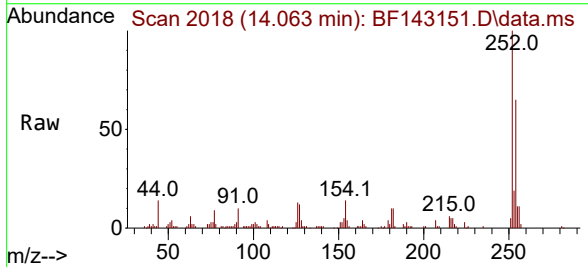
Manual Integrations
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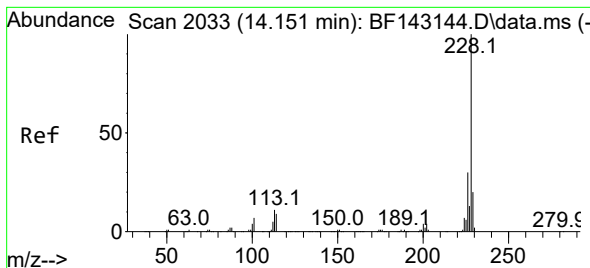
Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025



#82
 3,3'-Dichlorobenzidine
 Concen: 7.229 ng
 RT: 14.063 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF143151.D
 Acq: 17 Jul 2025 16:36

Tgt Ion:252 Resp: 48451
 Ion Ratio Lower Upper
 252 100
 254 65.0 51.7 77.5
 126 12.6 9.4 14.0





#83

Chrysene

Concen: 7.545 ng

RT: 14.145 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

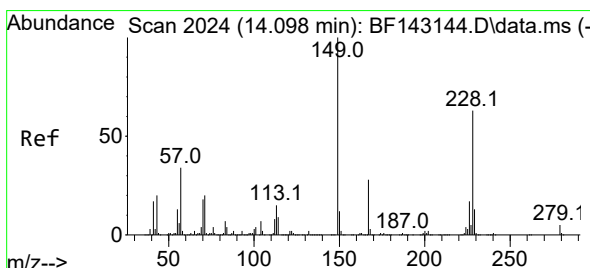
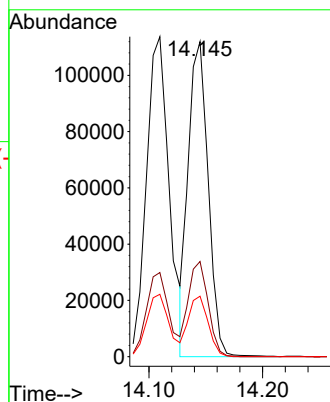
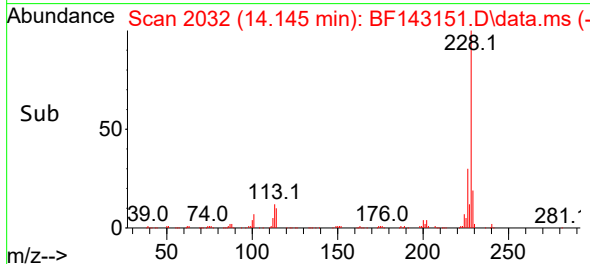
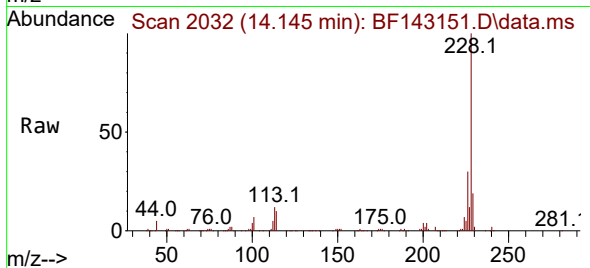
Tgt Ion:228 Resp: 136415
 Ion Ratio Lower Upper
 228 100
 226 30.2 23.8 35.8
 229 19.2 15.6 23.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.004 ng

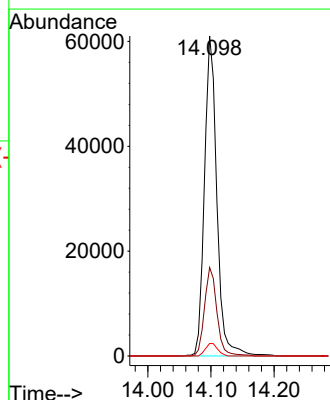
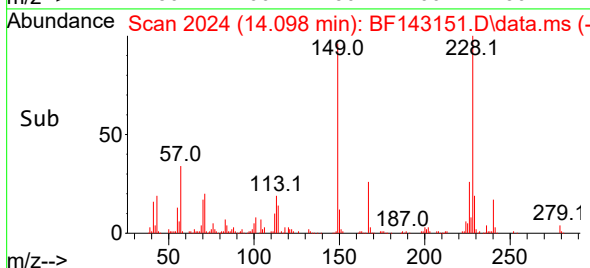
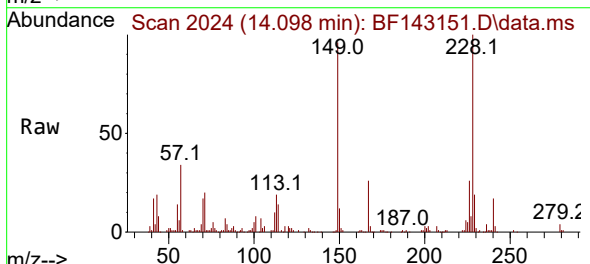
RT: 14.098 min Scan# 2024

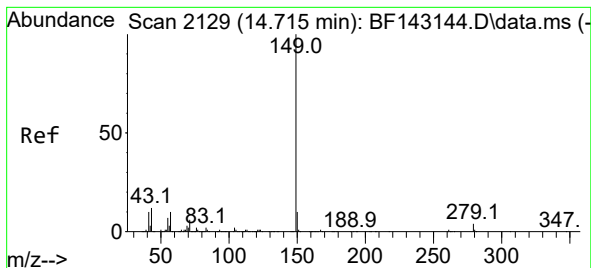
Delta R.T. 0.000 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

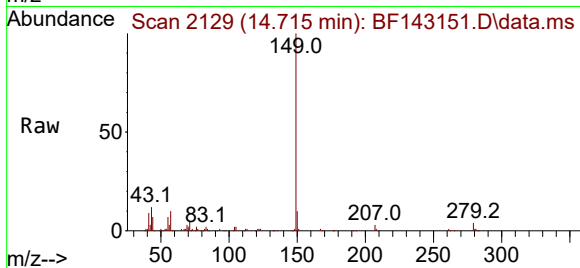
Tgt Ion:149 Resp: 83220
 Ion Ratio Lower Upper
 149 100
 167 27.7 22.3 33.5
 279 3.9 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 6.498 ng
RT: 14.715 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

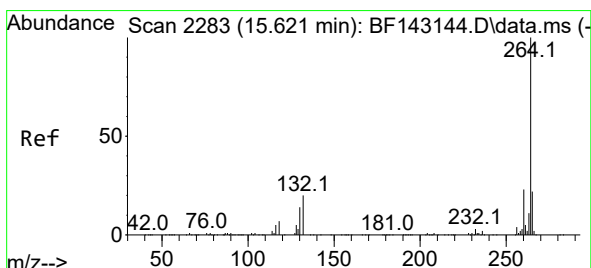
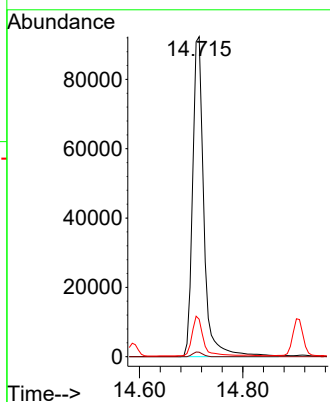
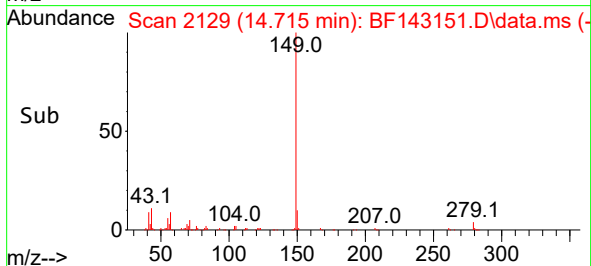
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



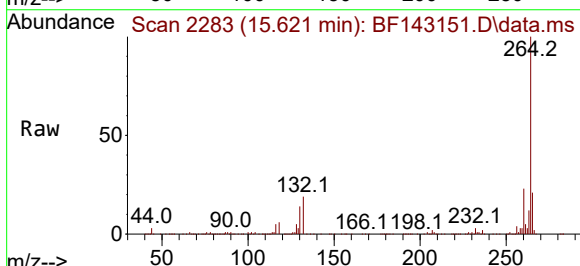
Tgt Ion:149 Resp: 139958
Ion Ratio Lower Upper
149 100
167 1.3 1.1 1.7
43 12.2 9.7 14.5

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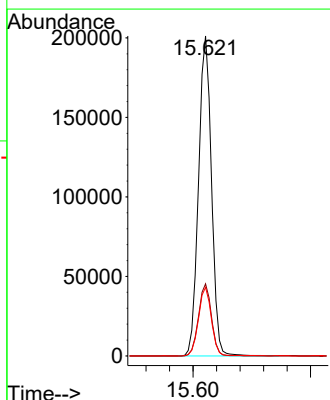
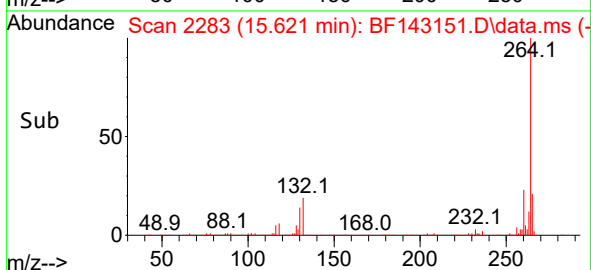
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

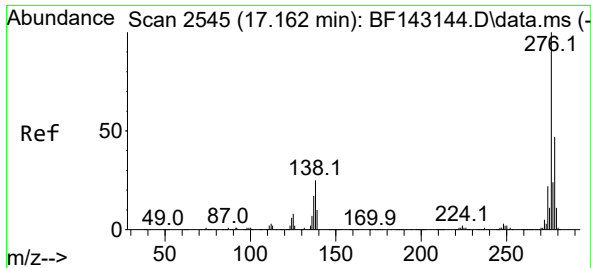


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36



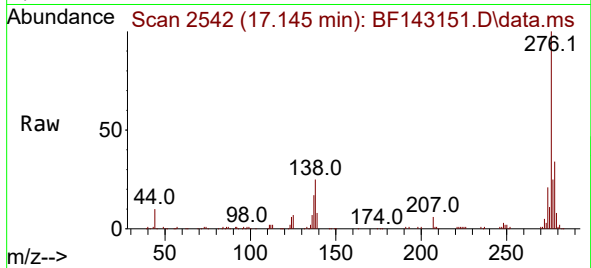
Tgt Ion:264 Resp: 307175
Ion Ratio Lower Upper
264 100
260 22.6 18.5 27.7
265 21.4 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.587 ng
RT: 17.145 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

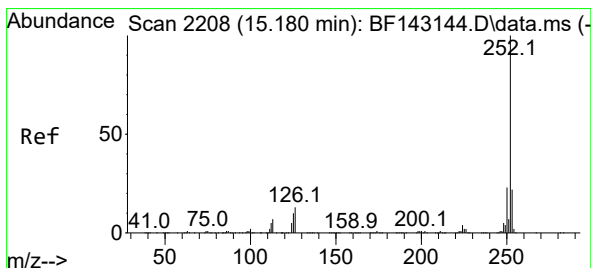
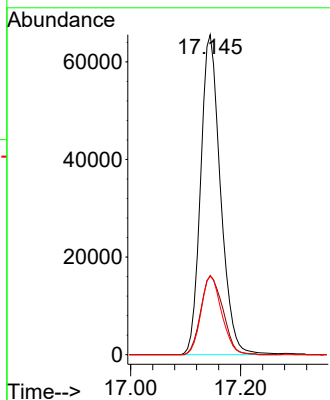
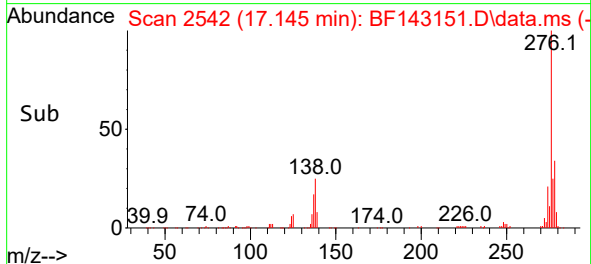
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



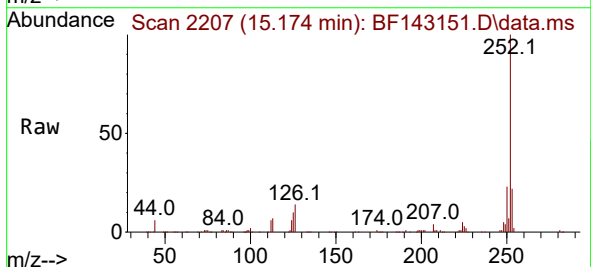
Tgt Ion:276 Resp: 164329
Ion Ratio Lower Upper
276 100
138 27.4 21.8 32.6
277 25.6 20.0 30.0

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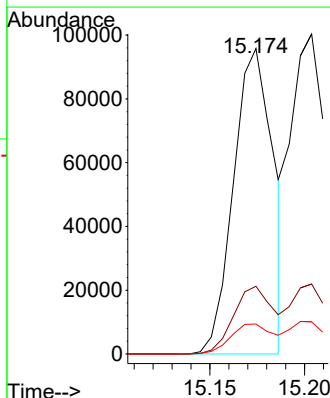
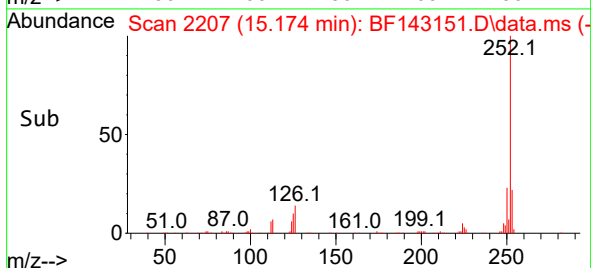
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

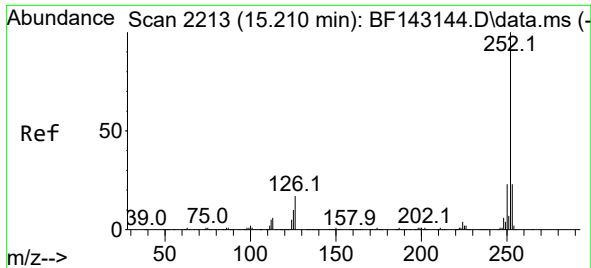


#88
Benzo(b)fluoranthene
Concen: 7.414 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36



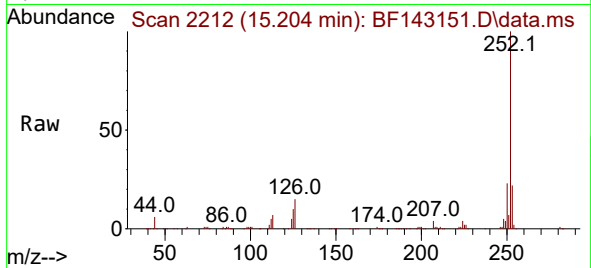
Tgt Ion:252 Resp: 139123
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 9.8 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 8.309 ng
RT: 15.204 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

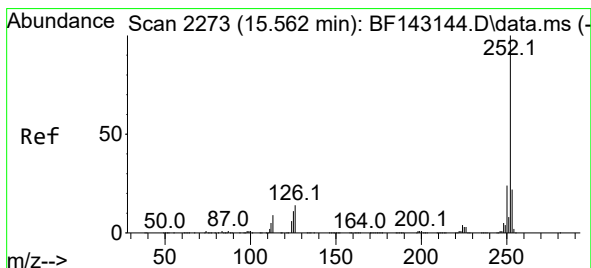
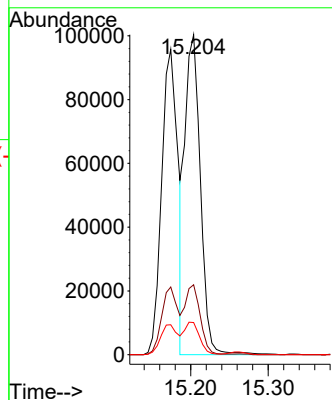
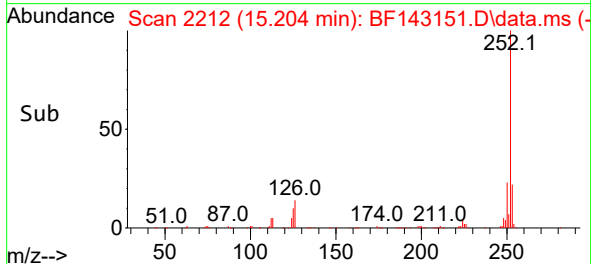
Instrument : BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



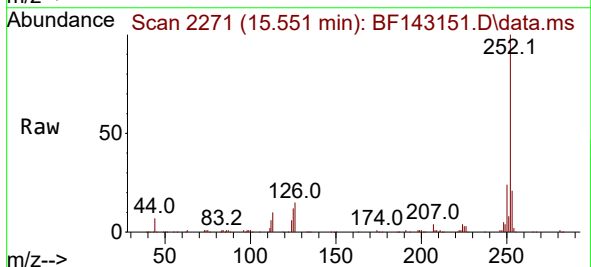
Tgt Ion:252 Resp: 139140
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.6
125 10.1 8.1 12.1

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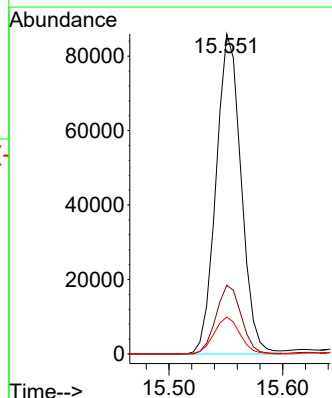
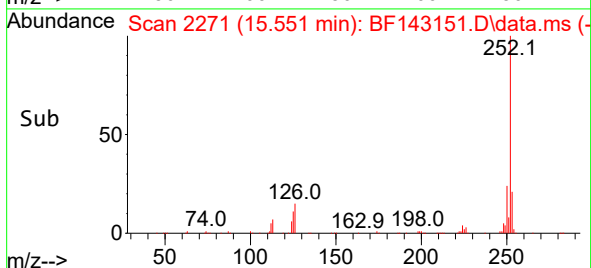
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

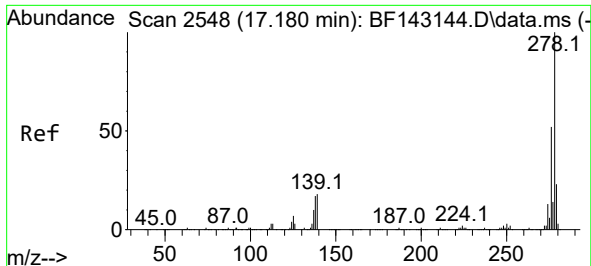


#90
Benzo(a)pyrene
Concen: 7.621 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36



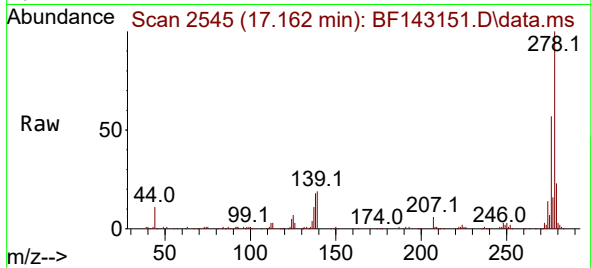
Tgt Ion:252 Resp: 131757
Ion Ratio Lower Upper
252 100
253 21.5 17.3 25.9
125 11.6 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 7.596 ng
RT: 17.162 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

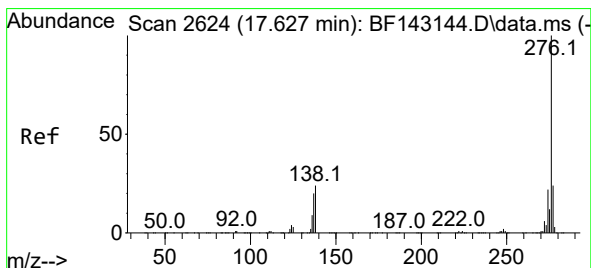
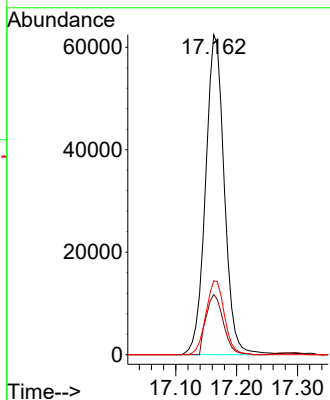
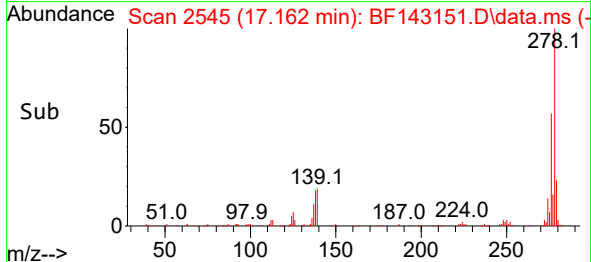
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



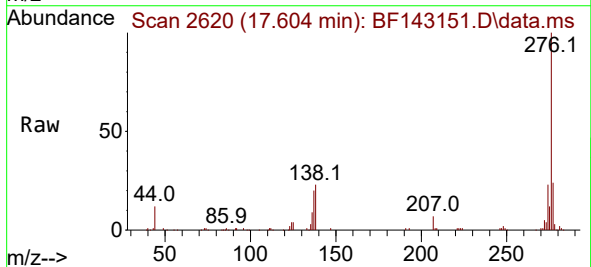
Tgt Ion:278 Resp: 13392
Ion Ratio Lower Upper
278 100
139 18.8 14.1 21.1
279 23.1 18.6 28.0

Manual Integrations
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Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 7.485 ng
RT: 17.604 min Scan# 2620
Delta R.T. -0.023 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36



Tgt Ion:276 Resp: 127643
Ion Ratio Lower Upper
276 100
277 24.2 19.1 28.7
138 23.5 18.9 28.3

