

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143150.D
 Acq On : 17 Jul 2025 16:06
 Operator : RC/JU
 Sample : Q2126-03
 Misc : MDL-SOIL-4PPM
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jul 17 16:27:17 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	167080	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	651651	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	336879	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	558964	20.000	ng	0.00
76) Chrysene-d12	14.116	240	326988	20.000	ng	0.00
86) Perylene-d12	15.621	264	339766	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	1149663	108.888	ng	0.00
7) Phenol-d6	6.587	99	1515292	114.022	ng	0.00
23) Nitrobenzene-d5	7.522	82	1004740	76.856	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	425588	122.290	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1782658	72.370	ng	0.00
79) Terphenyl-d14	13.069	244	1678718	76.398	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.805	88	19601	3.923	ng	96
3) Pyridine	3.634	79	47191	3.639	ng	96
4) n-Nitrosodimethylamine	3.505	42	24803	3.705	ng	# 98
6) Aniline	6.622	93	73943	3.992	ng	99
8) 2-Chlorophenol	6.751	128	45447	4.106	ng	93
9) Benzaldehyde	6.510	77	40553	4.069	ng	98
10) Phenol	6.598	94	55799m	3.854	ng	
11) bis(2-Chloroethyl)ether	6.693	93	45610	4.115	ng	99
12) 1,3-Dichlorobenzene	6.904	146	49679	4.132	ng	99
13) 1,4-Dichlorobenzene	6.981	146	51142	4.224	ng	98
14) 1,2-Dichlorobenzene	7.134	146	48507	4.212	ng	98
15) Benzyl Alcohol	7.087	79	40367	3.978	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	85252	4.146	ng	100
17) 2-Methylphenol	7.198	107	37302	4.009	ng	98
18) Hexachloroethane	7.481	117	17119	4.084	ng	96
19) n-Nitroso-di-n-propyla...	7.363	70	35523	4.166	ng	97
20) 3+4-Methylphenols	7.345	107	48034	4.255	ng	92
22) Acetophenone	7.357	105	67564	4.379	ng	99
24) Nitrobenzene	7.534	77	52847	4.336	ng	97
25) Isophorone	7.769	82	92001	3.987	ng	99
26) 2-Nitrophenol	7.851	139	19421	3.672	ng	99
27) 2,4-Dimethylphenol	7.881	122	43616	4.045	ng	96
28) bis(2-Chloroethoxy)met...	7.981	93	57877	4.183	ng	98
29) 2,4-Dichlorophenol	8.087	162	35123	3.863	ng	97
30) 1,2,4-Trichlorobenzene	8.181	180	39714	4.043	ng	97
31) Naphthalene	8.263	128	137551	4.286	ng	99
32) Benzoic acid	7.916	122	9695	6.602	ng	97
33) 4-Chloroaniline	8.304	127	53216	4.061	ng	99
34) Hexachlorobutadiene	8.387	225	24628	4.104	ng	98
35) Caprolactam	8.622	113	9269	3.373	ng	89
36) 4-Chloro-3-methylphenol	8.769	107	38127	3.858	ng	98
37) 2-Methylnaphthalene	8.951	142	82374	4.218	ng	100
38) 1-Methylnaphthalene	9.051	142	86248	4.289	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	41855	4.303	ng	99
41) Hexachlorocyclopentadiene	9.110	237	17354	2.742	ng	97
43) 2,4,6-Trichlorophenol	9.222	196	25133	3.734	ng	99

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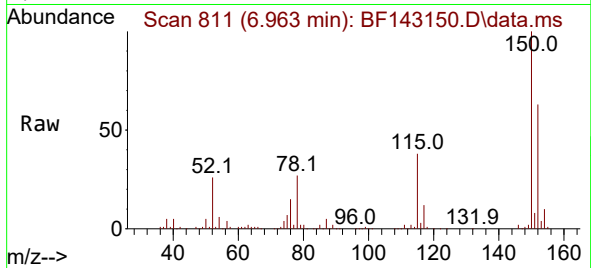
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.257	196	26934	4.000	ng	96
46) 1,1'-Biphenyl	9.416	154	113521	4.319	ng	100
47) 2-Chloronaphthalene	9.439	162	82013	4.217	ng	98
48) 2-Nitroaniline	9.522	65	22033	3.613	ng	92
49) Acenaphthylene	9.857	152	136662	4.193	ng	99
50) Dimethylphthalate	9.704	163	92752	4.224	ng	99
51) 2,6-Dinitrotoluene	9.763	165	16278	3.644	ng	89
52) Acenaphthene	10.028	154	81414	4.226	ng	97
53) 3-Nitroaniline	9.928	138	20216	3.869	ng	98
54) 2,4-Dinitrophenol	10.033	184	3275	8.147	ng	# 1
55) Dibenzofuran	10.198	168	123516	4.319	ng	98
56) 4-Nitrophenol	10.075	139	12824	3.287	ng	97
57) 2,4-Dinitrotoluene	10.163	165	19421	3.465	ng	93
58) Fluorene	10.539	166	94464	4.401	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.310	232	21716	3.893	ng	98
60) Diethylphthalate	10.410	149	88350	4.071	ng	99
61) 4-Chlorophenyl-phenyle...	10.533	204	45082	4.218	ng	99
62) 4-Nitroaniline	10.533	138	16508	3.686	ng	95
63) Azobenzene	10.692	77	92702	4.098	ng	98
65) 4,6-Dinitro-2-methylph...	10.575	198	5914	7.203	ng	95
66) n-Nitrosodiphenylamine	10.645	169	81042	4.117	ng	100
67) 4-Bromophenyl-phenylether	11.022	248	26687	4.006	ng	97
68) Hexachlorobenzene	11.092	284	28171	4.046	ng	99
69) Atrazine	11.169	200	20747	3.823	ng	96
70) Pentachlorophenol	11.280	266	12826	3.132	ng	100
71) Phenanthrene	11.504	178	126593	4.265	ng	99
72) Anthracene	11.557	178	124949	4.128	ng	99
73) Carbazole	11.704	167	110748	4.190	ng	98
74) Di-n-butylphthalate	12.039	149	112945	3.777	ng	100
75) Fluoranthene	12.692	202	111442	4.091	ng	99
77) Benzidine	12.804	184	41914	3.327	ng	99
78) Pyrene	12.922	202	114207	4.092	ng	98
80) Butylbenzylphthalate	13.533	149	26666	3.120	ng	99
81) Benzo(a)anthracene	14.110	228	90220	4.121	ng	97
82) 3,3'-Dichlorobenzidine	14.063	252	24852	3.406	ng	99
83) Chrysene	14.145	228	75056	3.813	ng	98
84) Bis(2-ethylhexyl)phtha...	14.098	149	42441	3.281	ng	99
85) Di-n-octyl phthalate	14.710	149	68887	2.938	ng	97
87) Indeno(1,2,3-cd)pyrene	17.145	276	87778	3.664	ng	99
88) Benzo(b)fluoranthene	15.174	252	76657	3.693	ng	99
89) Benzo(k)fluoranthene	15.204	252	73738	3.981	ng	100
90) Benzo(a)pyrene	15.551	252	70582	3.691	ng	98
91) Dibenzo(a,h)anthracene	17.162	278	71409	3.662	ng	98
92) Benzo(g,h,i)perylene	17.604	276	69195	3.668	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

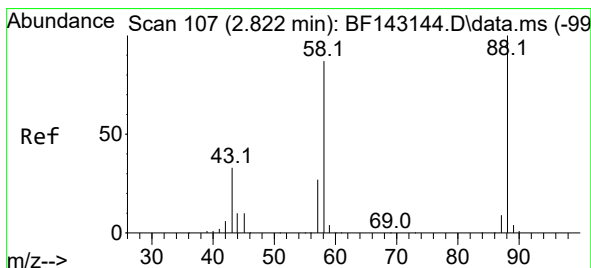
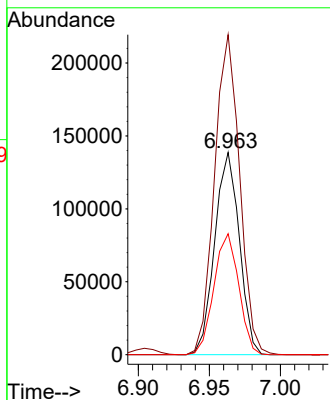
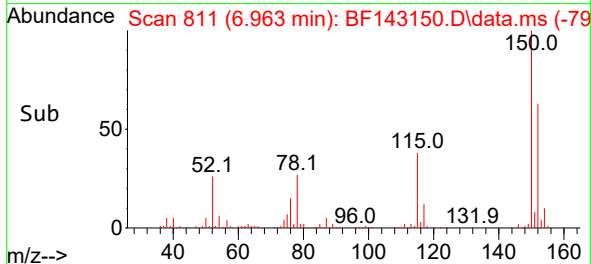
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



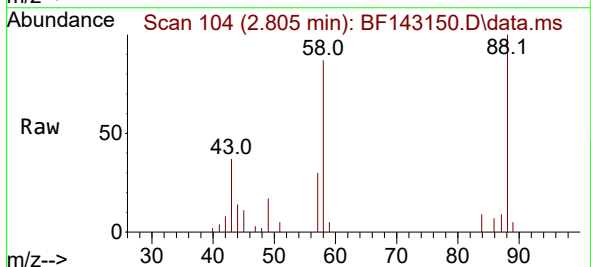
Tgt Ion:152 Resp: 167080
Ion Ratio Lower Upper
152 100
150 158.2 128.2 192.4
115 59.8 47.9 71.9

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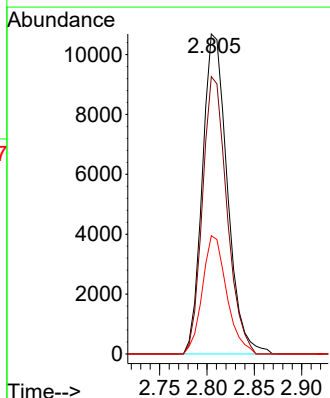
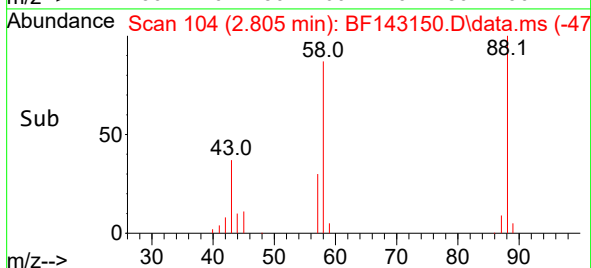
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

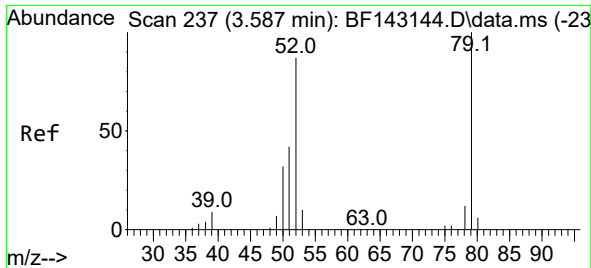


#2
1,4-Dioxane
Concen: 3.923 ng
RT: 2.805 min Scan# 104
Delta R.T. -0.018 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06



Tgt Ion: 88 Resp: 19601
Ion Ratio Lower Upper
88 100
58 84.5 70.2 105.2
43 36.0 27.1 40.7





#3

Pyridine

Concen: 3.639 ng

RT: 3.634 min Scan# 24

Delta R.T. 0.047 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

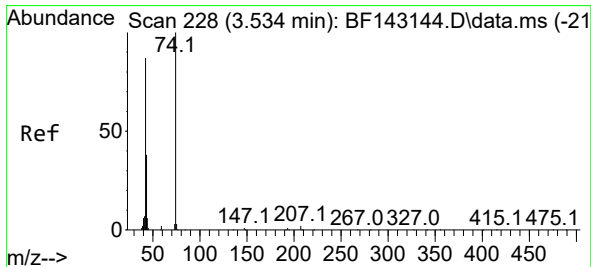
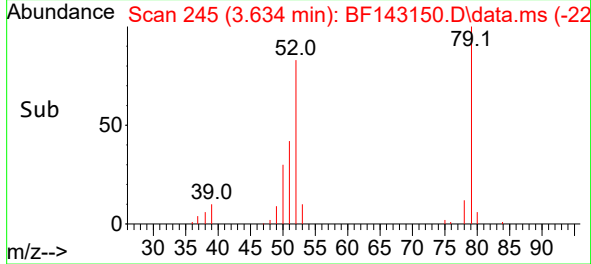
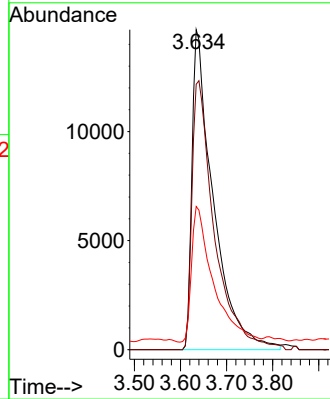
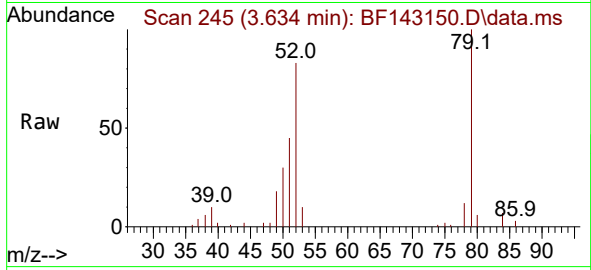
Tgt Ion: 79	Resp: 4719
Ion Ratio	Lower Upper
79 100	
52 83.0	69.4 104.2
51 44.7	33.5 50.3

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#4

n-Nitrosodimethylamine

Concen: 3.705 ng

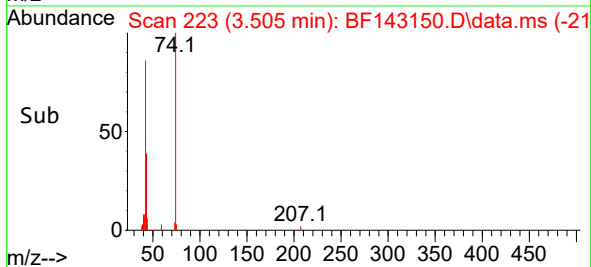
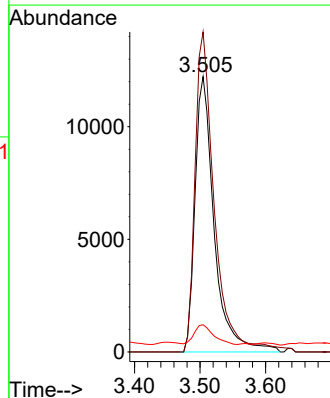
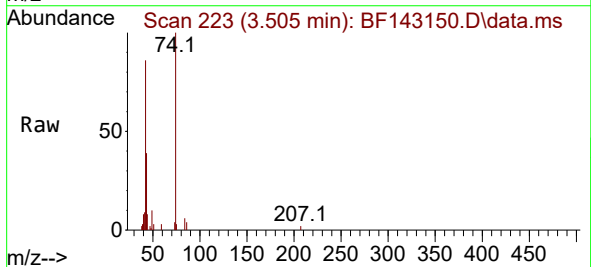
RT: 3.505 min Scan# 223

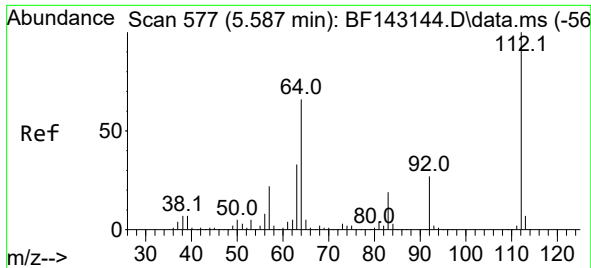
Delta R.T. -0.029 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

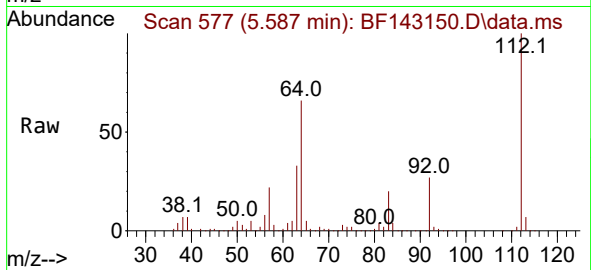
Tgt Ion: 42	Resp: 24803
Ion Ratio	Lower Upper
42 100	
74 116.2	91.7 137.5
44 9.9	5.6 8.4





#5
2-Fluorophenol
Concen: 108.888 ng
RT: 5.587 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

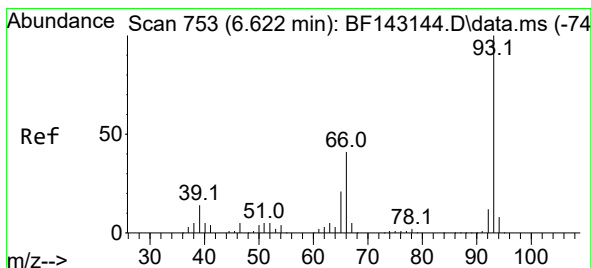
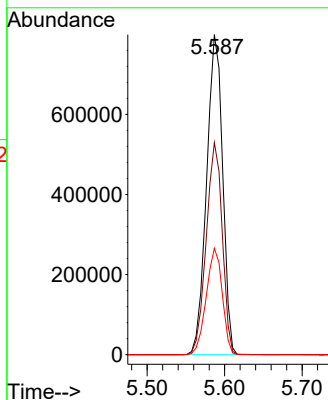
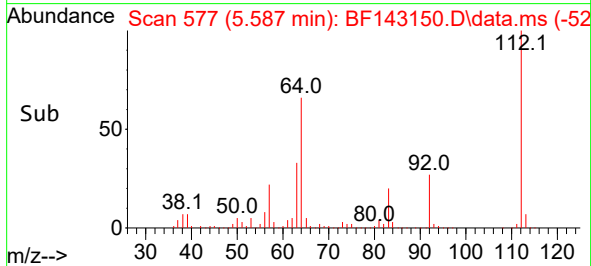
Instrument :
BNA_F
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MDL-SOIL-03-QT2-2025



Tgt Ion:112 Resp: 114966
Ion Ratio Lower Upper
112 100
64 66.3 53.1 79.7
63 33.3 26.6 40.0

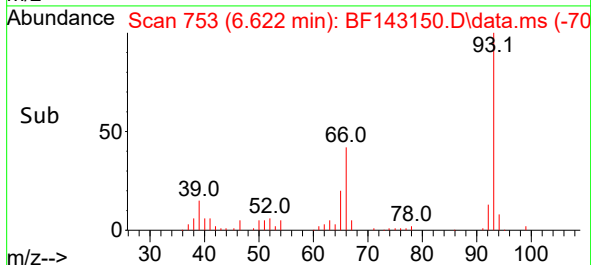
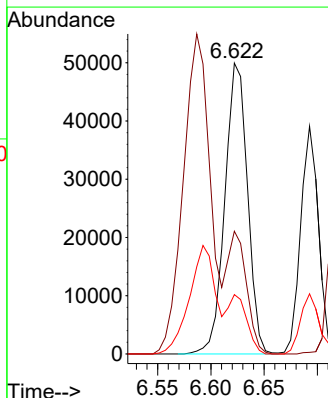
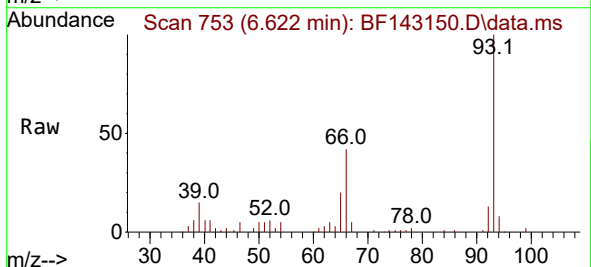
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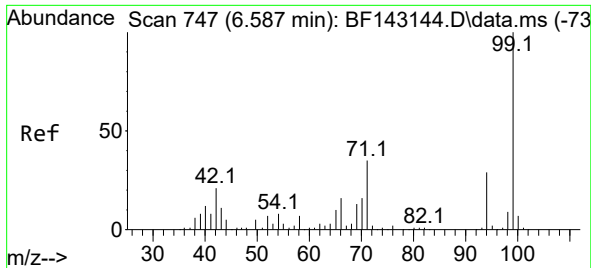
Reviewed By :Rahul Chavli 07/18/2025
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#6
Aniline
Concen: 3.992 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

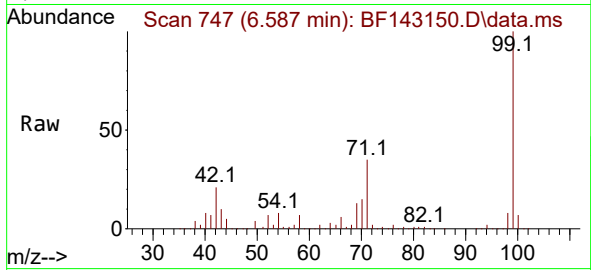
Tgt Ion: 93 Resp: 73943
Ion Ratio Lower Upper
93 100
66 42.2 33.2 49.8
65 20.4 16.9 25.3





#7
Phenol-d6
Concen: 114.022 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

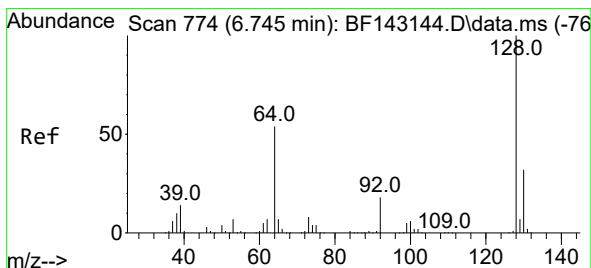
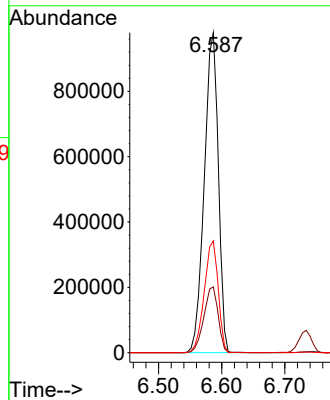
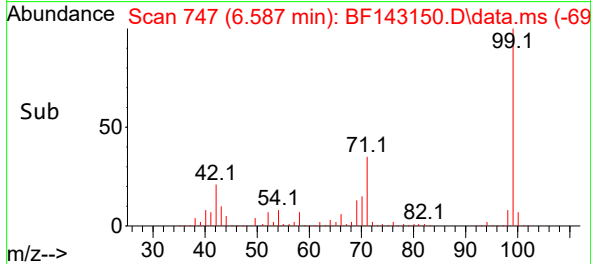
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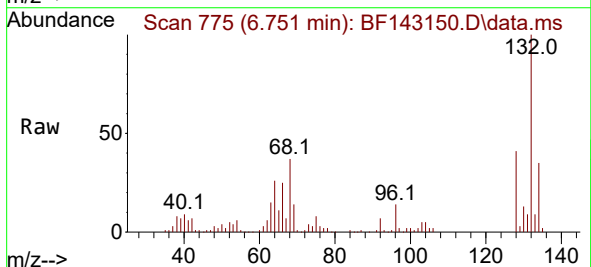
Tgt Ion: 99 Resp: 151529
Ion Ratio Lower Upper
99 100
42 20.6 17.0 25.6
71 34.9 27.7 41.5

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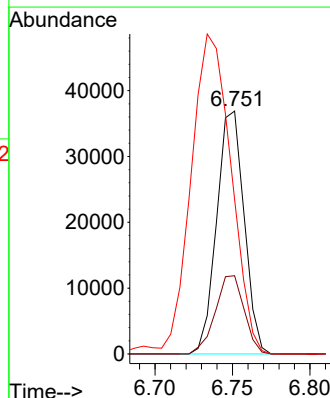
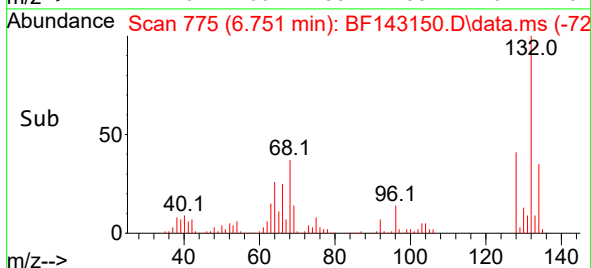
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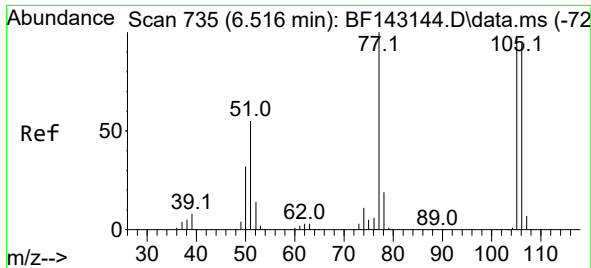


#8
2-Chlorophenol
Concen: 4.106 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06



Tgt Ion:128 Resp: 45447
Ion Ratio Lower Upper
128 100
130 32.2 12.3 52.3
64 63.7 35.9 75.9





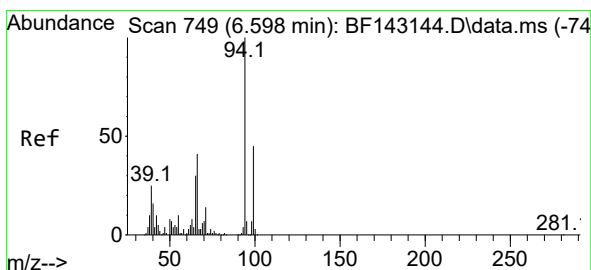
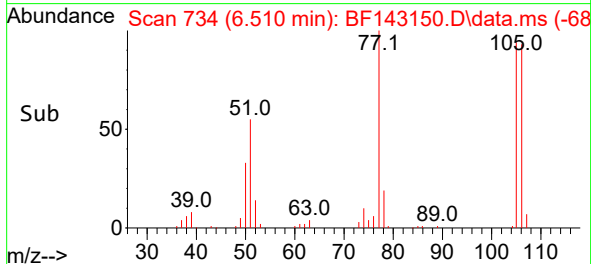
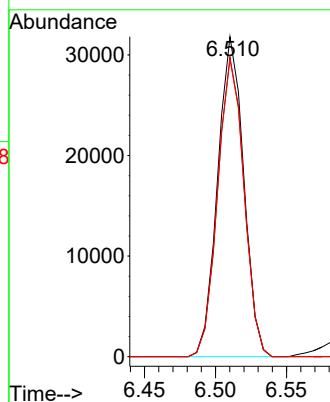
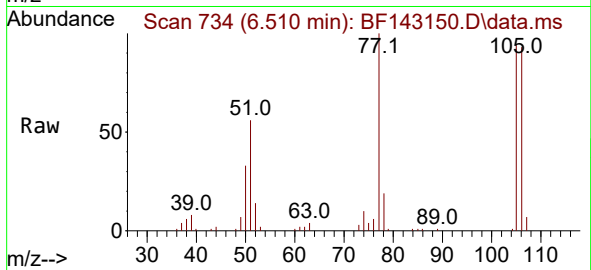
#9
Benzaldehyde
Concen: 4.069 ng
RT: 6.510 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

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

Tgt Ion: 77 Resp: 4055
Ion Ratio Lower Upper
77 100
105 93.5 76.8 116.8
106 93.0 74.4 114.4

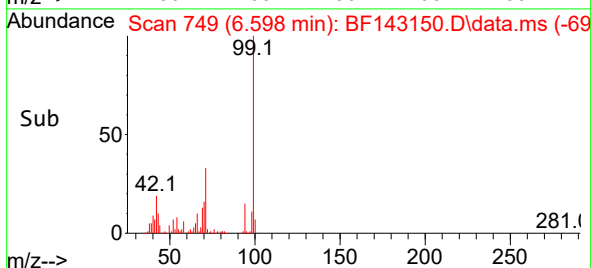
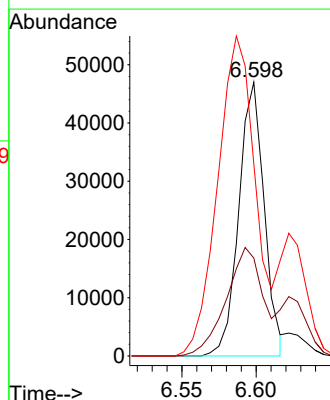
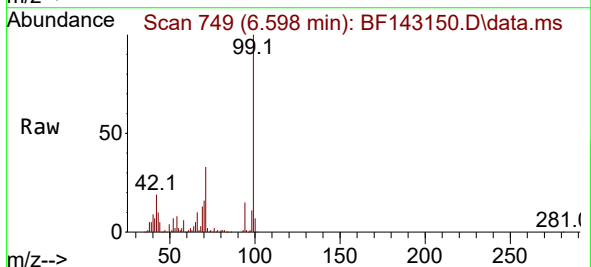
Manual Integrations
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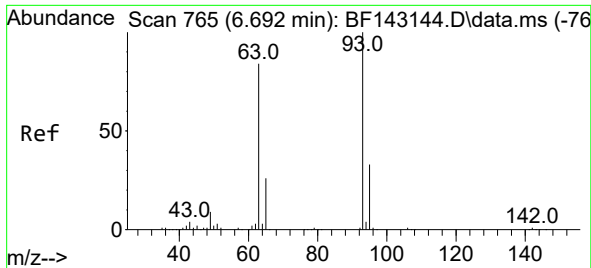
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#10
Phenol
Concen: 3.854 ng m
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion: 94 Resp: 55799
Ion Ratio Lower Upper
94 100
65 35.7 10.0 50.0
66 70.2 20.8 60.8#





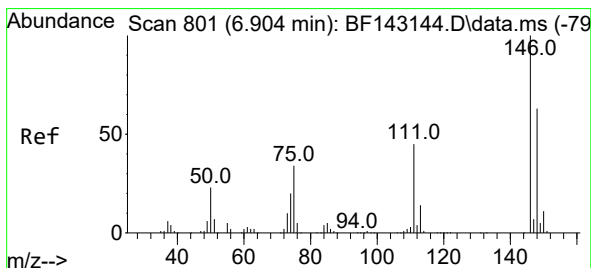
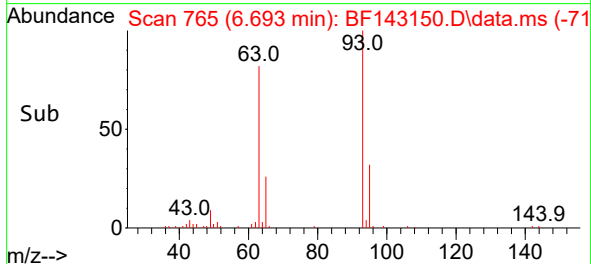
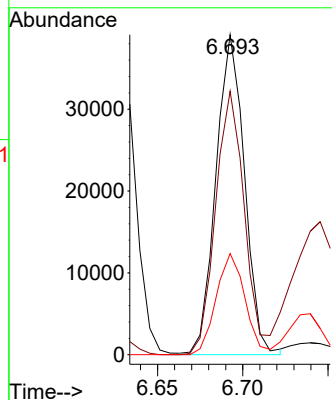
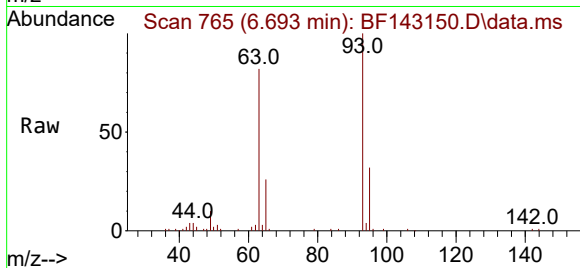
#11
bis(2-Chloroethyl)ether
Concen: 4.115 ng
RT: 6.693 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

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

Tgt Ion: 93 Resp: 45610
Ion Ratio Lower Upper
93 100
63 82.4 63.4 103.4
95 31.6 12.4 52.4

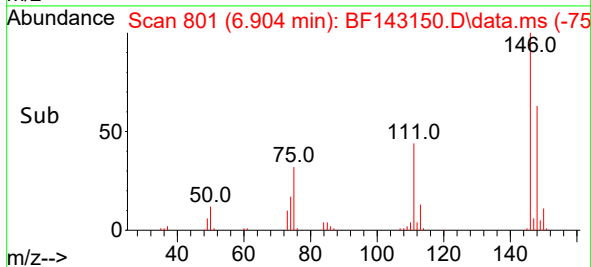
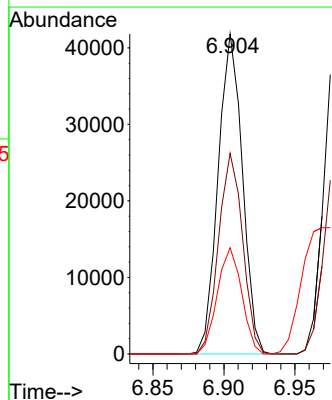
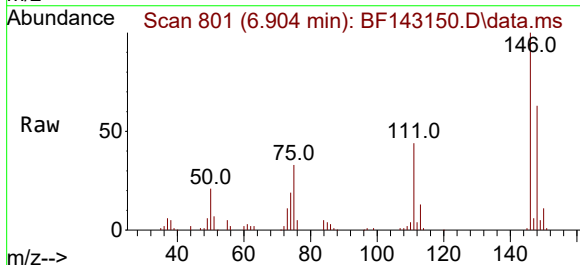
Manual Integrations
APPROVED

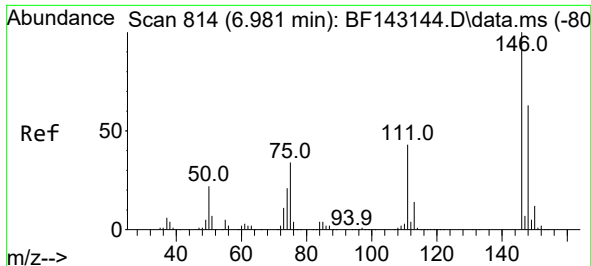
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 4.132 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:146 Resp: 49679
Ion Ratio Lower Upper
146 100
148 62.7 50.6 76.0
75 33.2 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 4.224 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

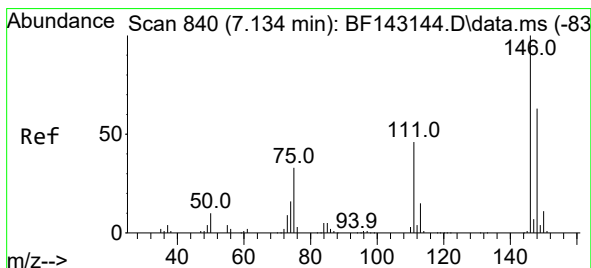
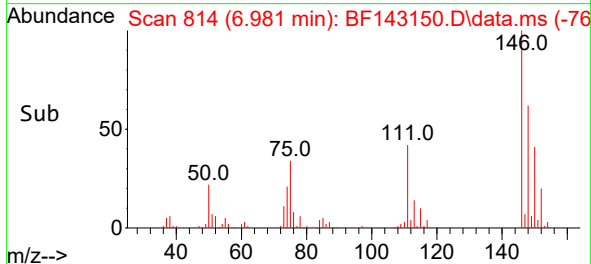
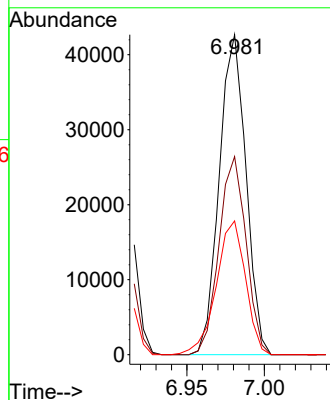
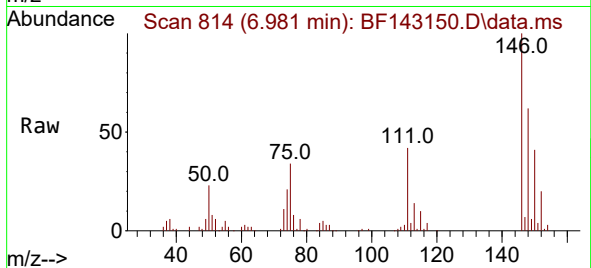
Tgt Ion:146 Resp: 5114
 Ion Ratio Lower Upper
 146 100
 148 61.9 50.3 75.5
 111 41.8 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#14

1,2-Dichlorobenzene

Concen: 4.212 ng

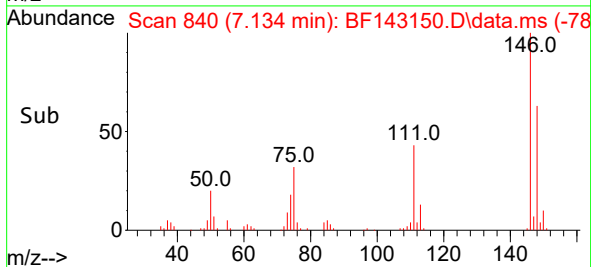
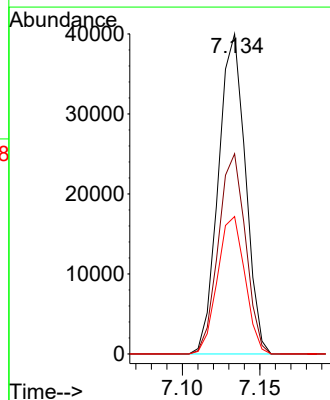
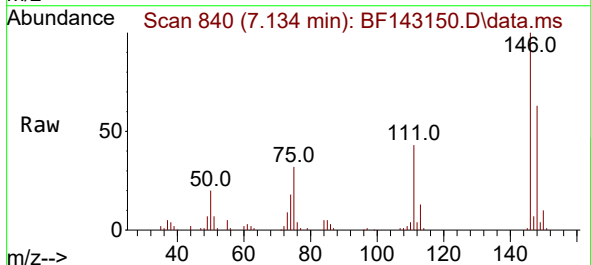
RT: 7.134 min Scan# 840

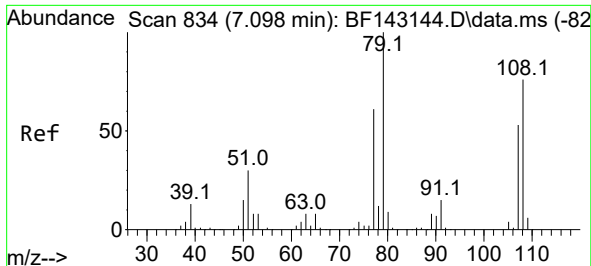
Delta R.T. 0.000 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Tgt Ion:146 Resp: 48507
 Ion Ratio Lower Upper
 146 100
 148 62.6 50.7 76.1
 111 42.9 36.6 54.8





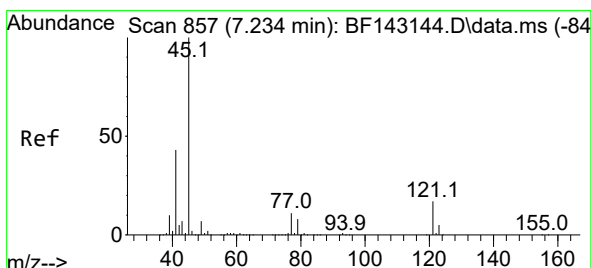
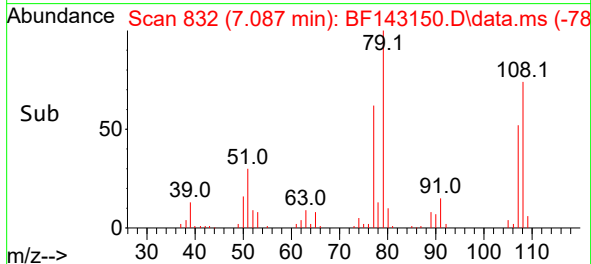
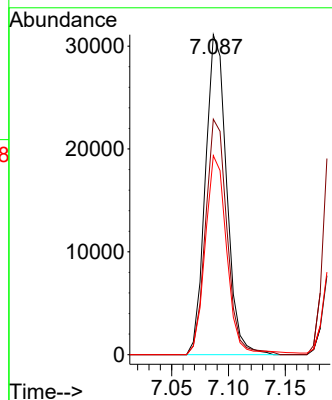
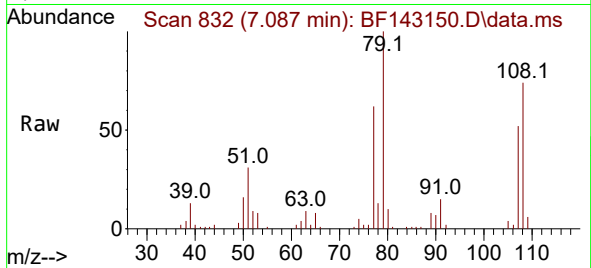
#15
Benzyl Alcohol
Concen: 3.978 ng
RT: 7.087 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

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

Tgt Ion: 79 Resp: 4036
Ion Ratio Lower Upper
79 100
108 73.6 61.1 91.7
77 62.2 48.9 73.3

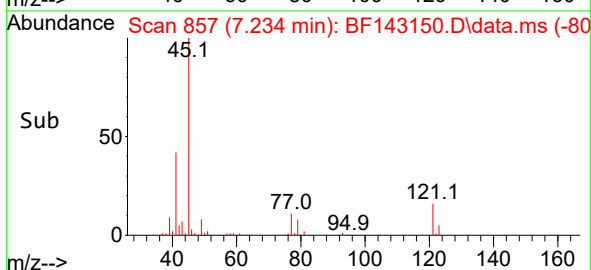
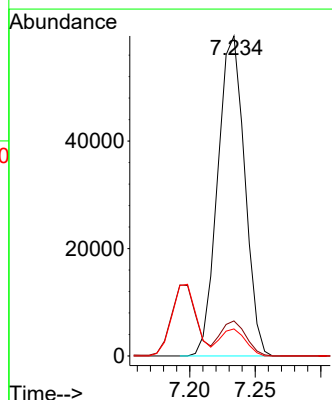
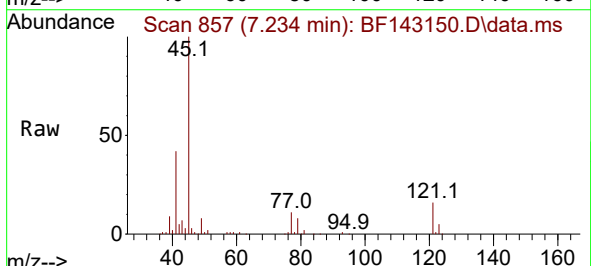
Manual Integrations
APPROVED

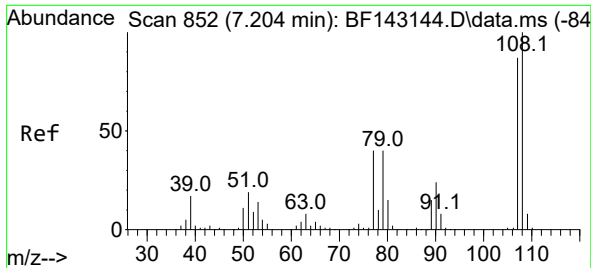
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.146 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

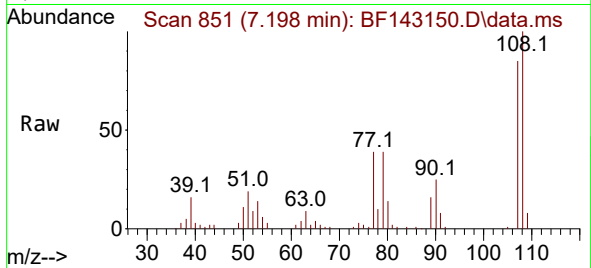
Tgt Ion: 45 Resp: 85252
Ion Ratio Lower Upper
45 100
77 11.0 0.0 31.2
79 8.5 0.0 28.5





#17
2-Methylphenol
Concen: 4.009 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

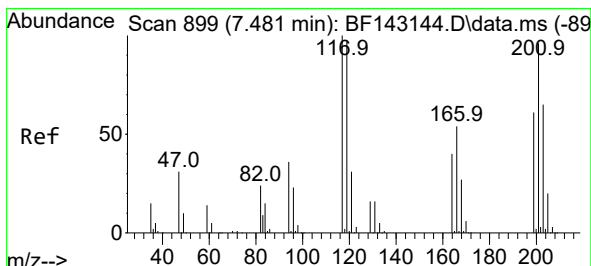
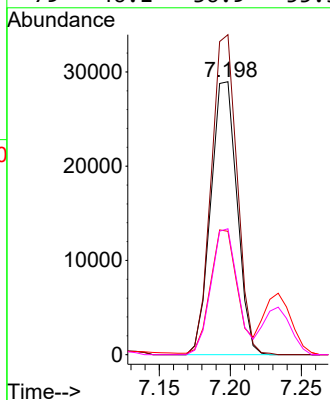
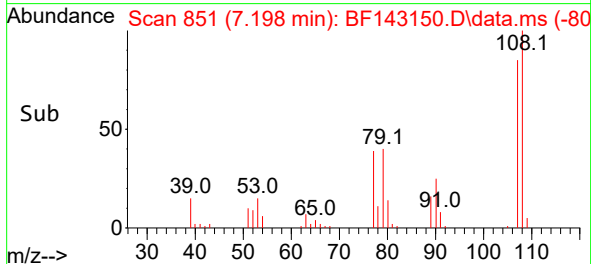
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:107 Resp: 3730
Ion Ratio Lower Upper
107 100
108 117.2 91.8 137.6
77 45.2 37.0 55.6
79 46.1 36.9 55.3

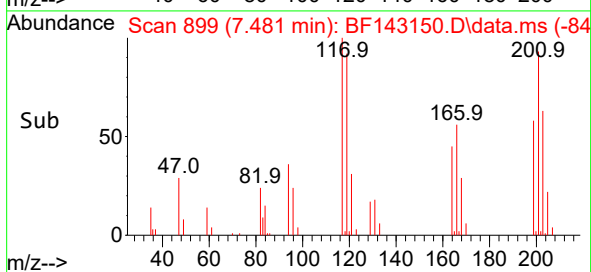
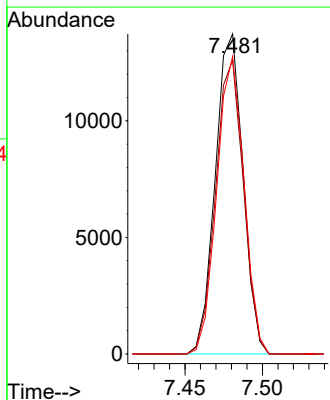
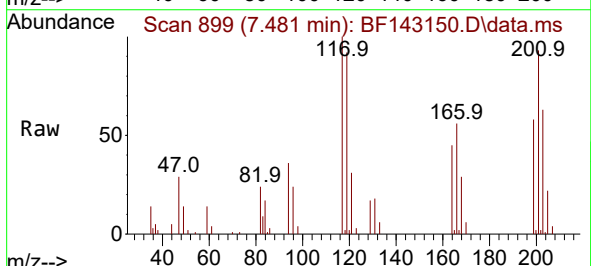
Manual Integrations
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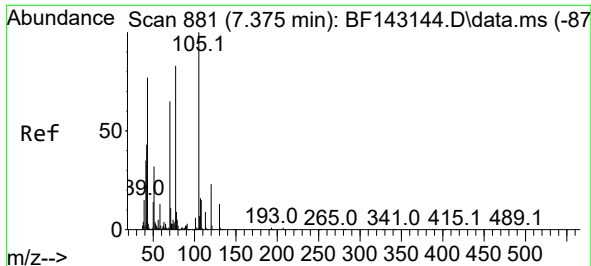
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#18
Hexachloroethane
Concen: 4.084 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

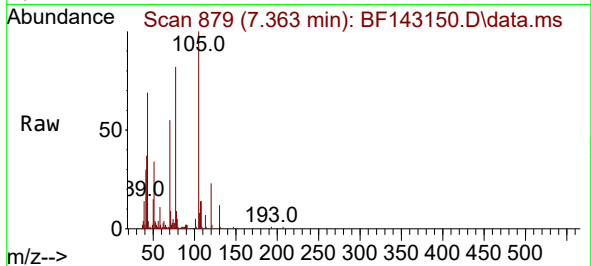
Tgt Ion:117 Resp: 17119
Ion Ratio Lower Upper
117 100
119 91.8 77.8 116.8
201 92.9 77.0 115.4





#19
n-Nitroso-di-n-propylamine
Concen: 4.166 ng
RT: 7.363 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

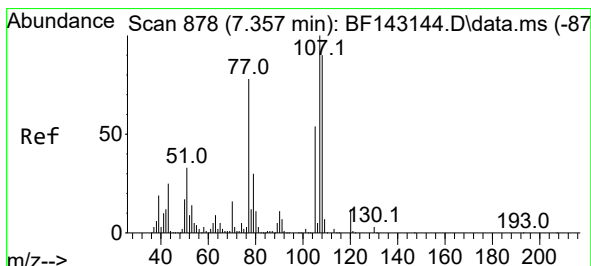
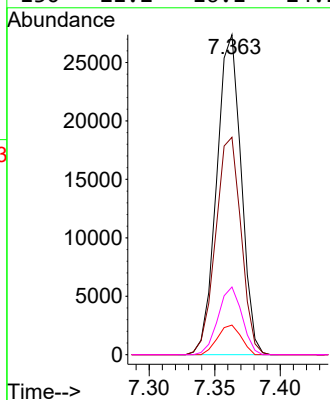
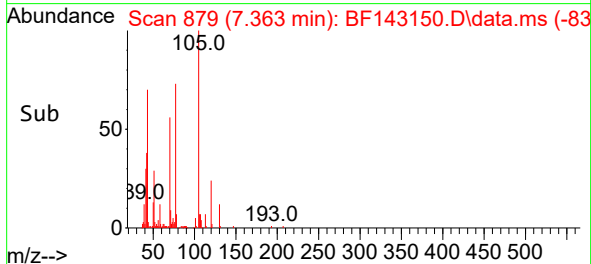
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 70 Resp: 3552
Ion Ratio Lower Upper
70 100
42 68.0 52.5 78.7
101 9.3 7.6 11.4
130 21.2 16.1 24.1

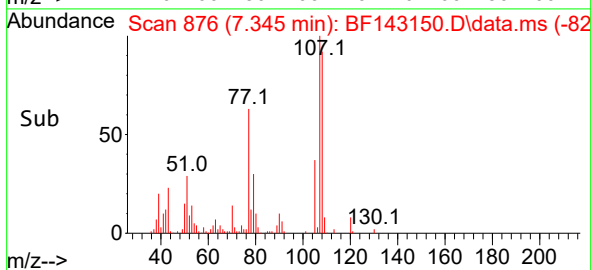
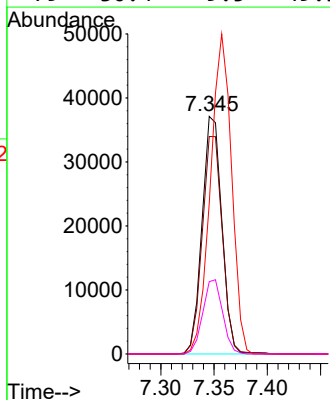
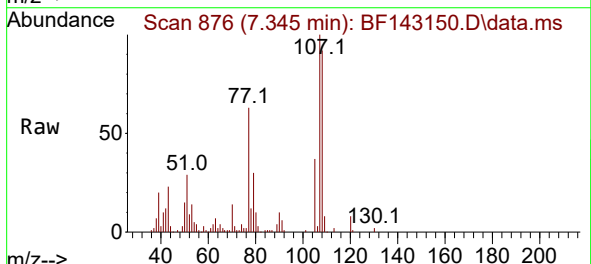
Manual Integrations
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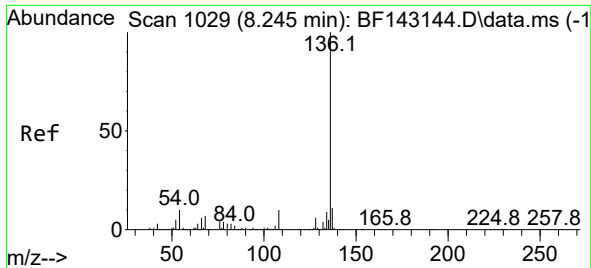
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#20
3+4-Methylphenols
Concen: 4.255 ng
RT: 7.345 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

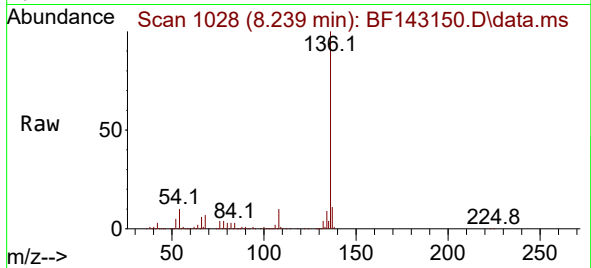
Tgt Ion:107 Resp: 48034
Ion Ratio Lower Upper
107 100
108 91.5 70.0 110.0
77 63.4 57.8 97.8
79 30.4 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

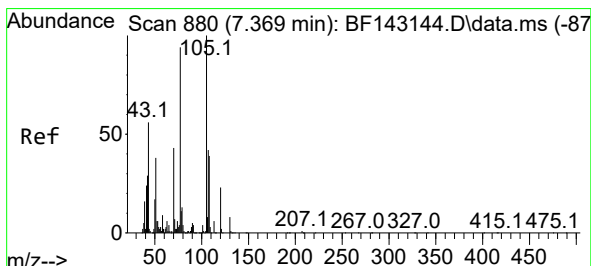
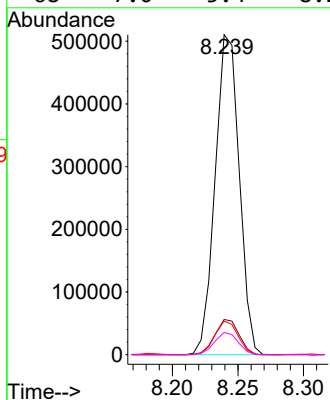
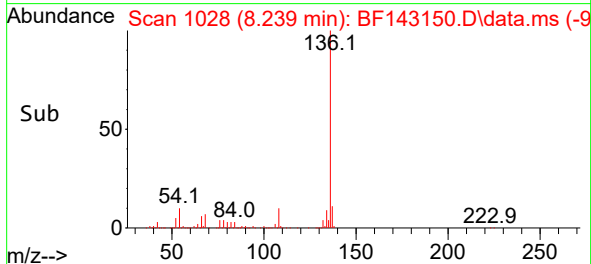
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:136 Resp: 65165
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.5 8.2 12.2
68 7.0 5.4 8.2

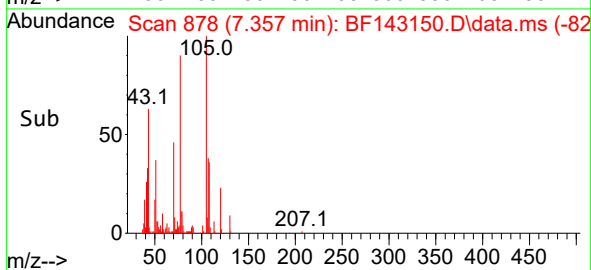
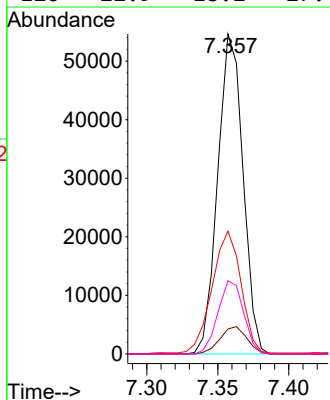
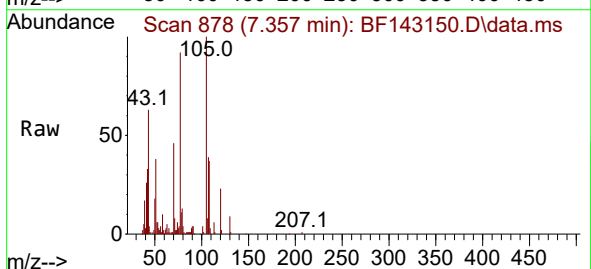
Manual Integrations
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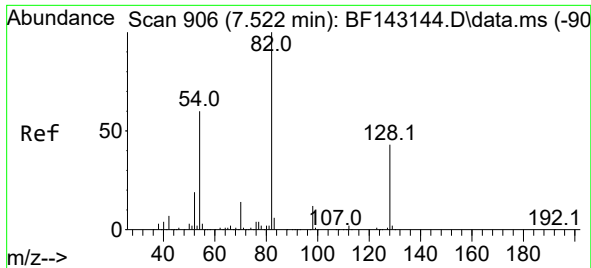
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#22
Acetophenone
Concen: 4.379 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

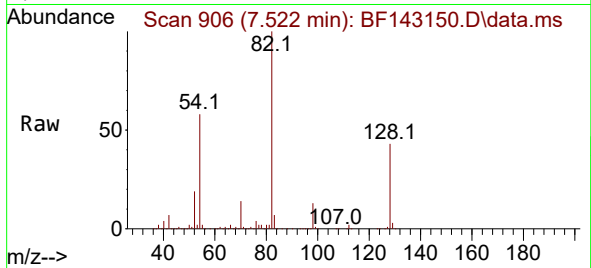
Tgt Ion:105 Resp: 67564
Ion Ratio Lower Upper
105 100
71 7.8 5.8 8.6
51 38.3 30.2 45.2
120 22.9 18.2 27.4





#23
Nitrobenzene-d5
Concen: 76.856 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

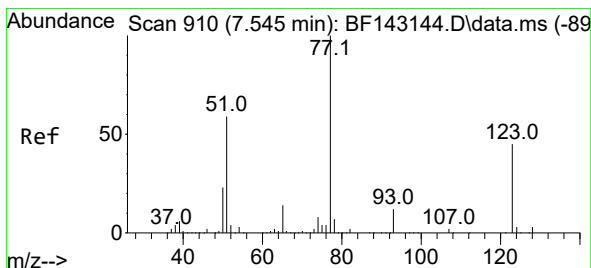
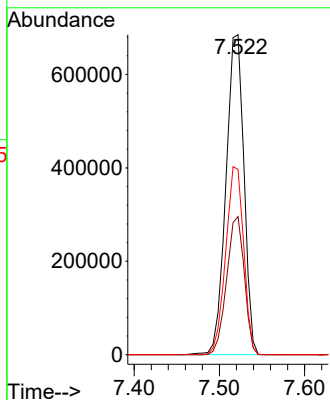
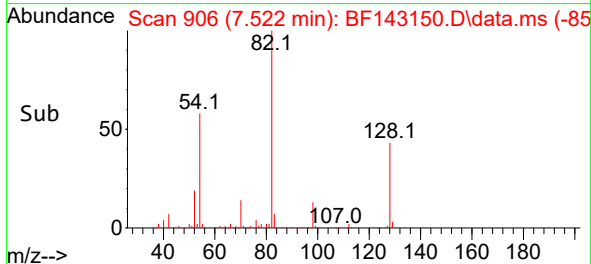
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 82 Resp: 1004740
Ion Ratio Lower Upper
82 100
128 43.1 33.6 50.4
54 57.9 47.1 70.7

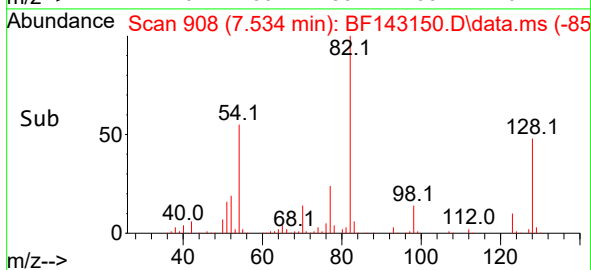
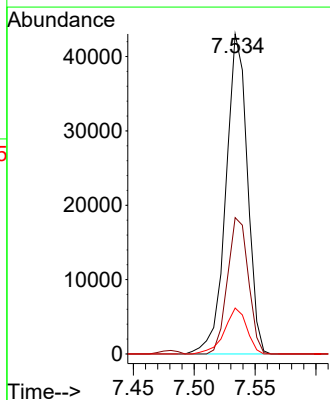
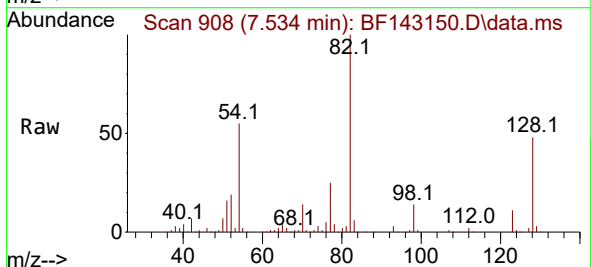
Manual Integrations
APPROVED

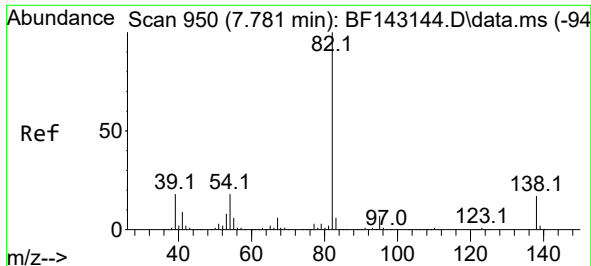
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#24
Nitrobenzene
Concen: 4.336 ng
RT: 7.534 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion: 77 Resp: 52847
Ion Ratio Lower Upper
77 100
123 42.6 36.1 54.1
65 14.4 11.4 17.2





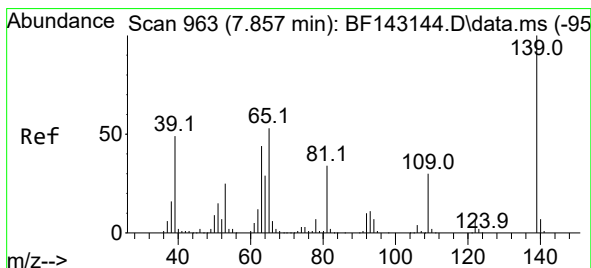
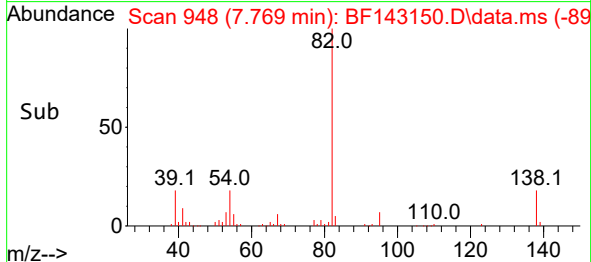
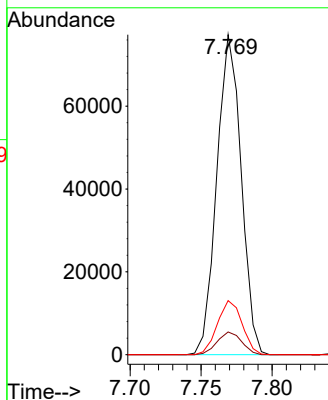
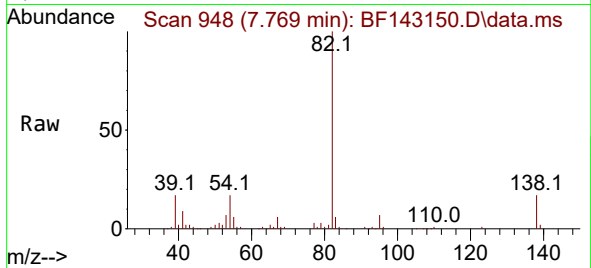
#25
Isophorone
Concen: 3.987 ng
RT: 7.769 min Scan# 948
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

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

Tgt Ion: 82 Resp: 9200
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 16.9 13.8 20.8

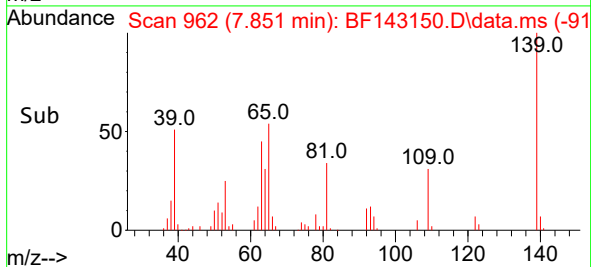
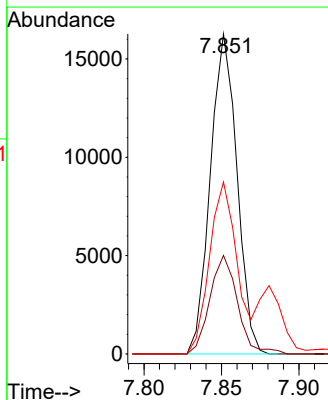
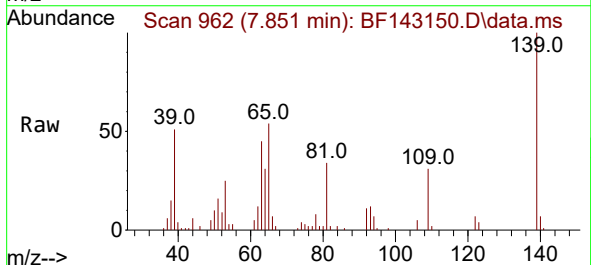
Manual Integrations
APPROVED

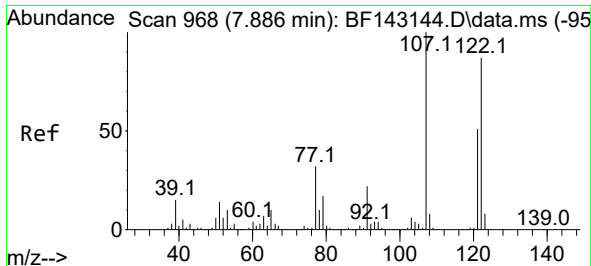
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#26
2-Nitrophenol
Concen: 3.672 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

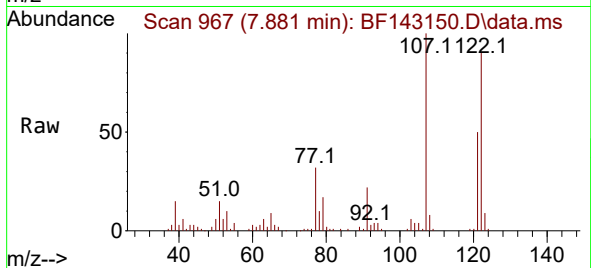
Tgt Ion:139 Resp: 19421
Ion Ratio Lower Upper
139 100
109 30.8 23.6 35.4
65 53.8 42.6 64.0





#27
2,4-Dimethylphenol
Concen: 4.045 ng
RT: 7.881 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

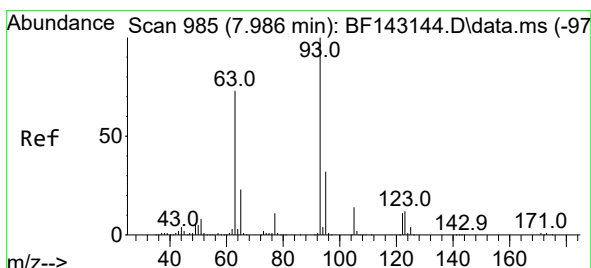
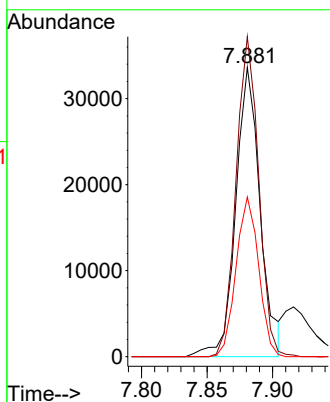
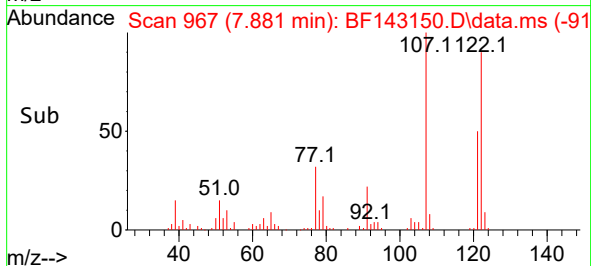
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:122 Resp: 43610
Ion Ratio Lower Upper
122 100
107 110.6 91.8 137.6
121 55.2 46.3 69.5

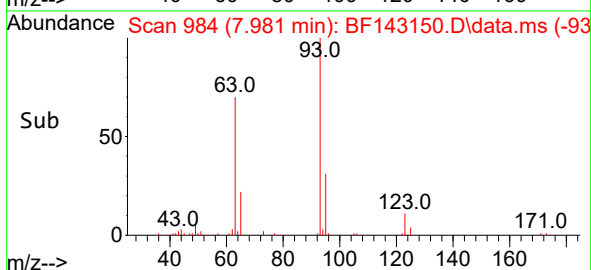
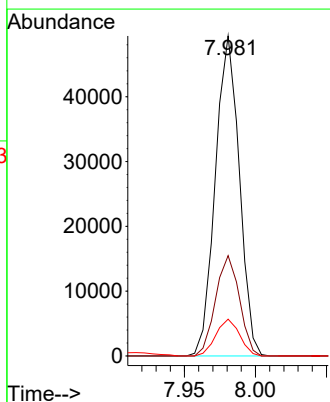
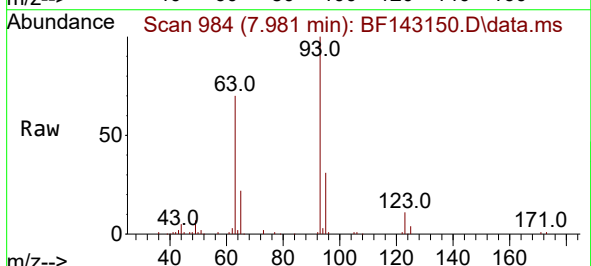
Manual Integrations
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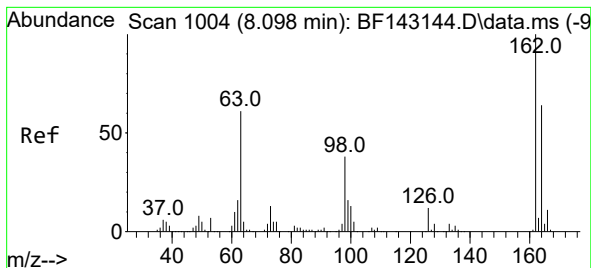
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#28
bis(2-Chloroethoxy)methane
Concen: 4.183 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion: 93 Resp: 57877
Ion Ratio Lower Upper
93 100
95 31.3 25.8 38.6
123 11.5 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 3.863 ng

RT: 8.087 min Scan# 1002

Delta R.T. -0.012 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

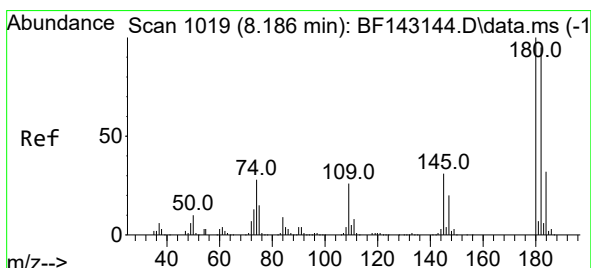
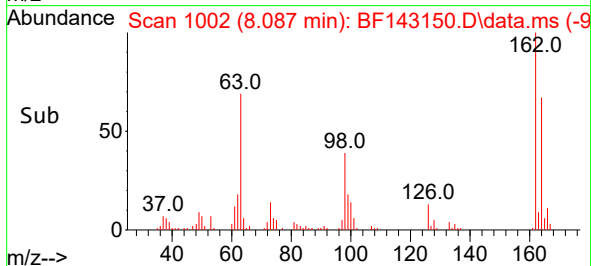
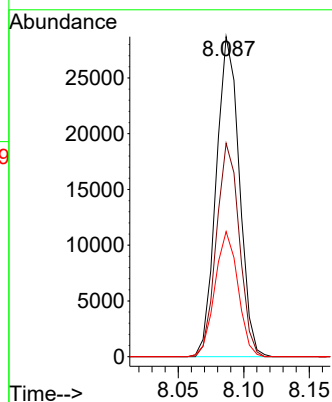
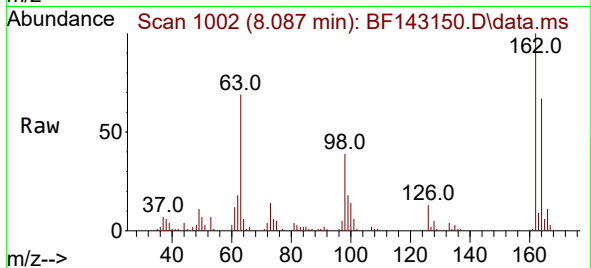
Tgt Ion:162 Resp: 3512
 Ion Ratio Lower Upper
 162 100
 164 66.7 44.2 84.2
 98 39.1 17.9 57.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/18/2025



#30

1,2,4-Trichlorobenzene

Concen: 4.043 ng

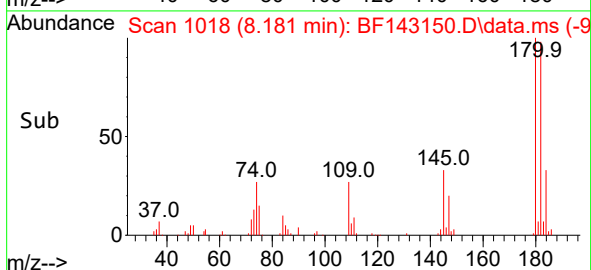
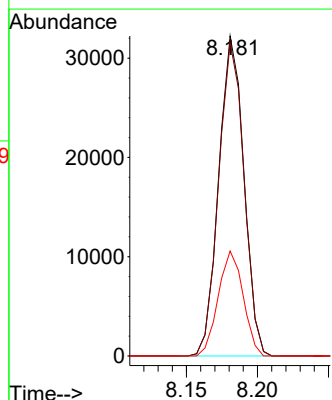
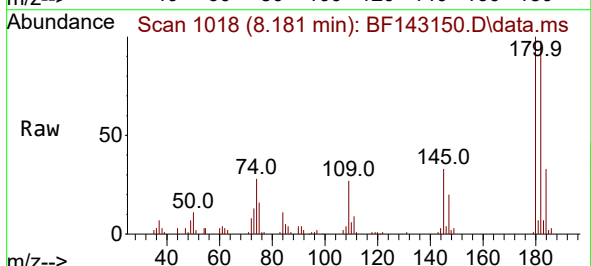
RT: 8.181 min Scan# 1018

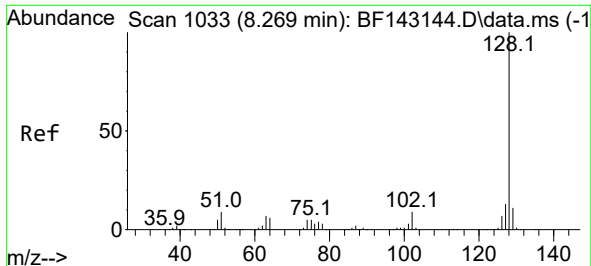
Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

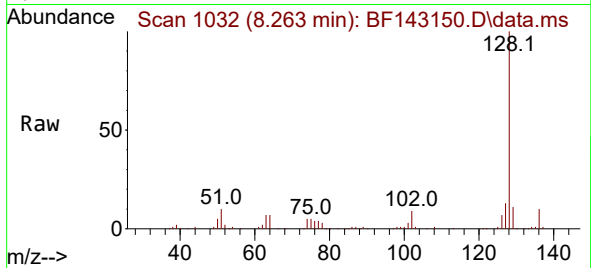
Tgt Ion:180 Resp: 39714
 Ion Ratio Lower Upper
 180 100
 182 97.9 76.2 114.2
 145 32.8 25.0 37.6





#31
Naphthalene
Concen: 4.286 ng
RT: 8.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

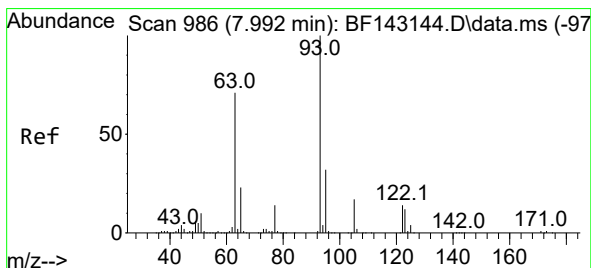
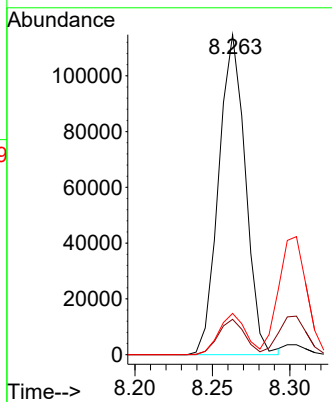
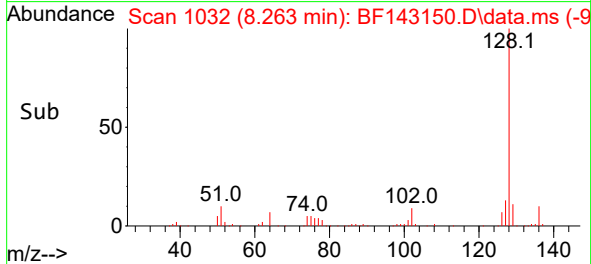
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion:128 Resp: 13755
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 12.9 10.6 16.0

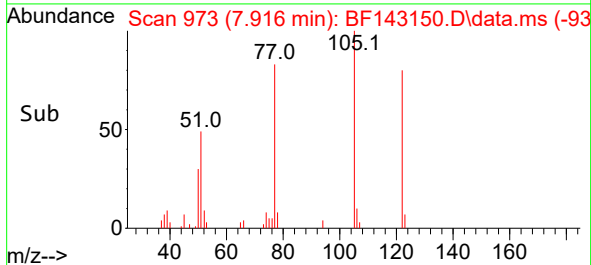
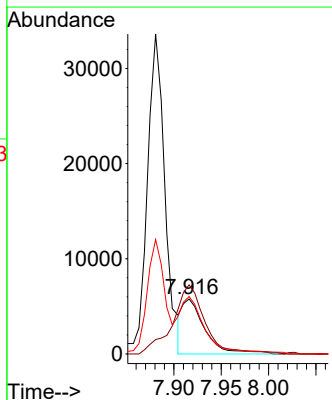
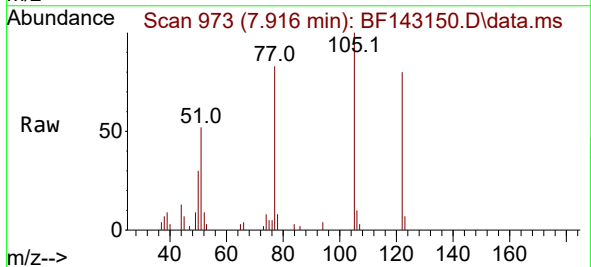
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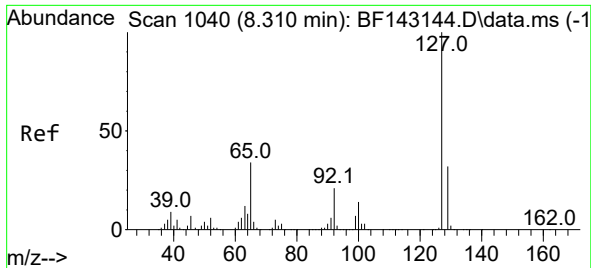
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#32
Benzoic acid
Concen: 6.602 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.076 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:122 Resp: 9695
Ion Ratio Lower Upper
122 100
105 125.7 104.8 144.8
77 104.3 77.6 117.6





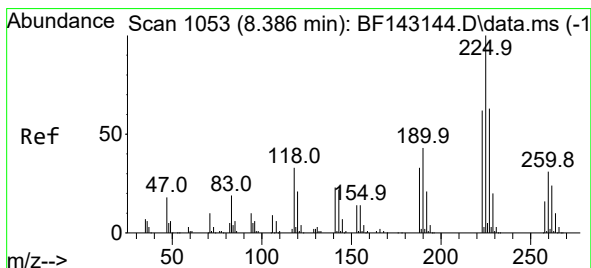
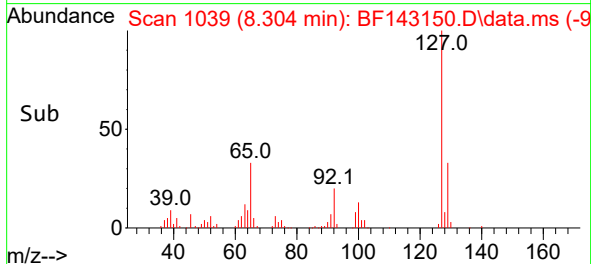
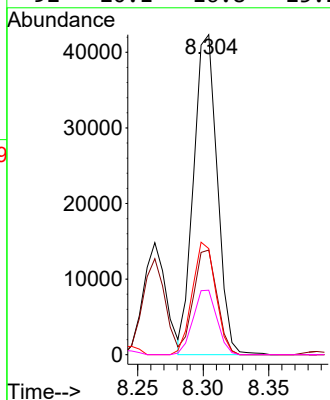
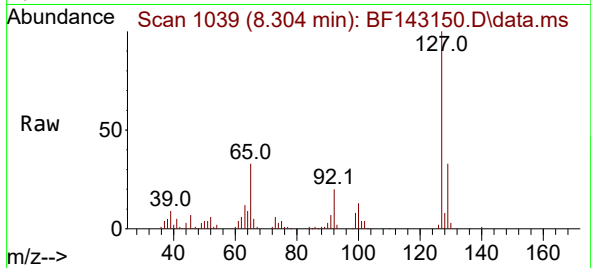
#33
4-Chloroaniline
Concen: 4.061 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

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

Tgt Ion:	127	Resp:	53210
Ion Ratio	Lower	Upper	
127	100		
129	32.7	26.0	39.0
65	33.1	27.4	41.2
92	20.1	16.8	25.2

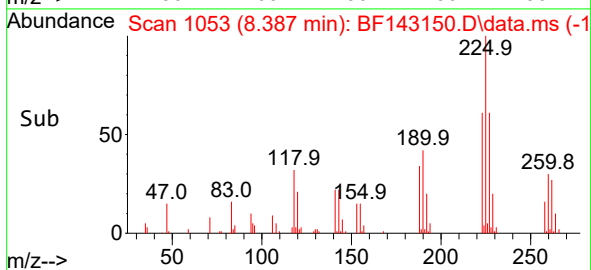
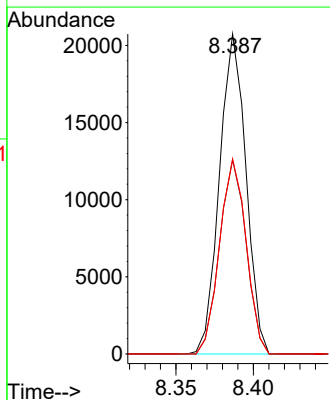
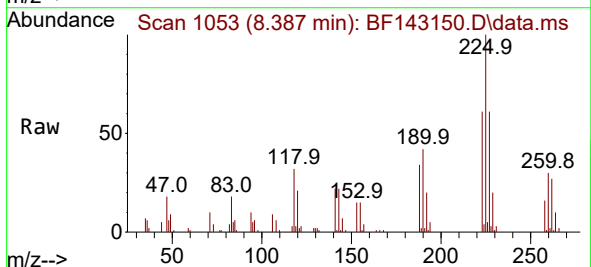
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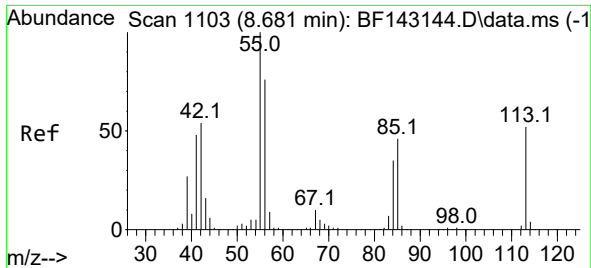
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#34
Hexachlorobutadiene
Concen: 4.104 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

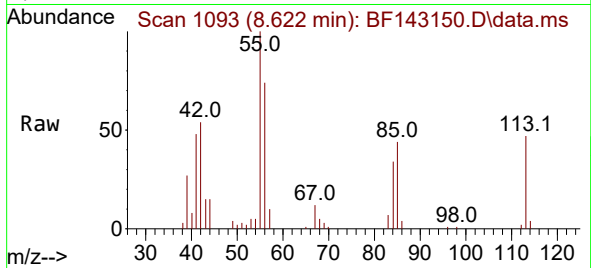
Tgt Ion:	225	Resp:	24628
Ion Ratio	Lower	Upper	
225	100		
223	60.6	49.8	74.6
227	61.0	50.2	75.4





#35
 Caprolactam
 Concen: 3.373 ng
 RT: 8.622 min Scan# 1103
 Delta R.T. -0.059 min
 Lab File: BF143150.D
 Acq: 17 Jul 2025 16:06

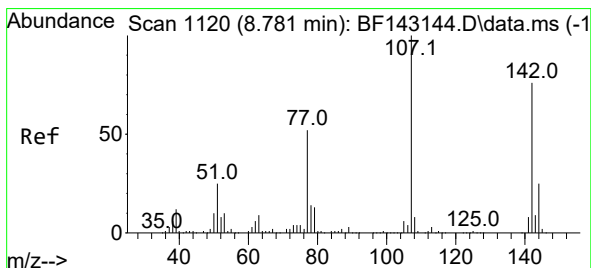
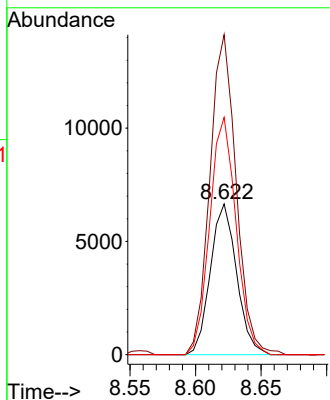
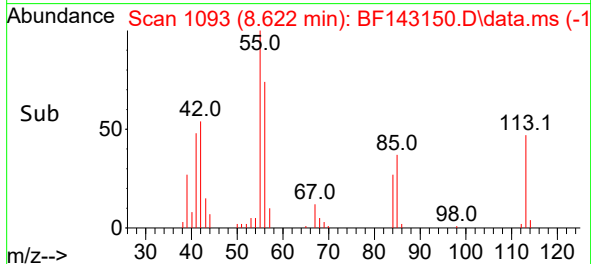
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2025



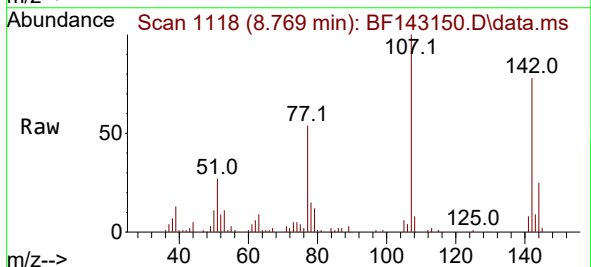
Tgt Ion:113 Resp: 9269
 Ion Ratio Lower Upper
 113 100
 55 212.2 174.0 214.0
 56 157.4 126.6 166.6

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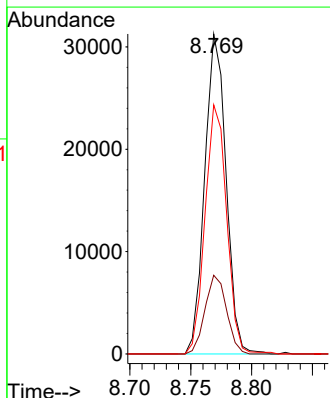
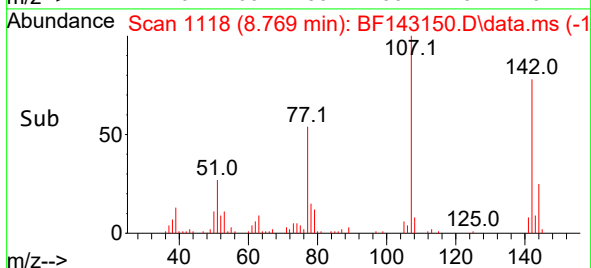
Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

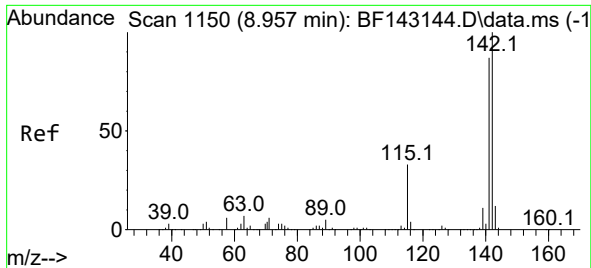


#36
 4-Chloro-3-methylphenol
 Concen: 3.858 ng
 RT: 8.769 min Scan# 1118
 Delta R.T. -0.012 min
 Lab File: BF143150.D
 Acq: 17 Jul 2025 16:06



Tgt Ion:107 Resp: 38127
 Ion Ratio Lower Upper
 107 100
 144 24.6 19.8 29.6
 142 77.8 60.6 90.8





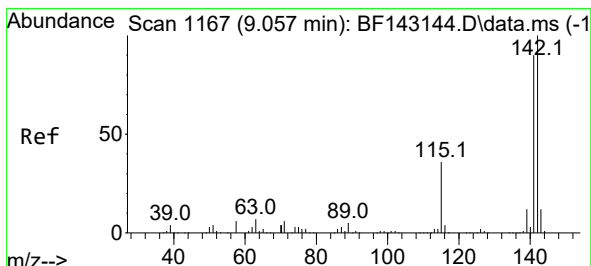
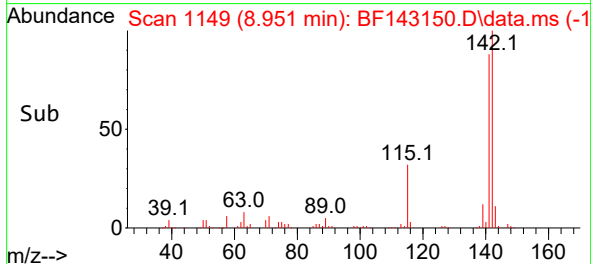
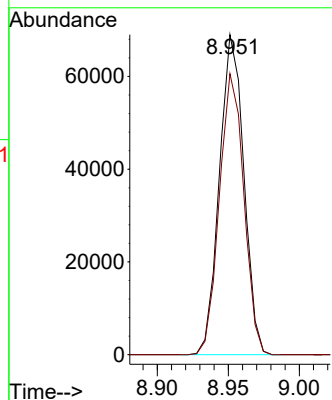
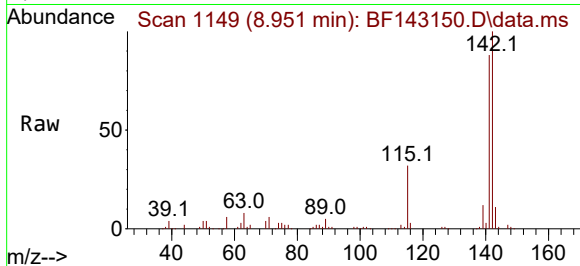
#37
2-Methylnaphthalene
Concen: 4.218 ng
RT: 8.951 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

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

Tgt Ion:142 Resp: 82374
Ion Ratio Lower Upper
142 100
141 87.8 69.9 104.9

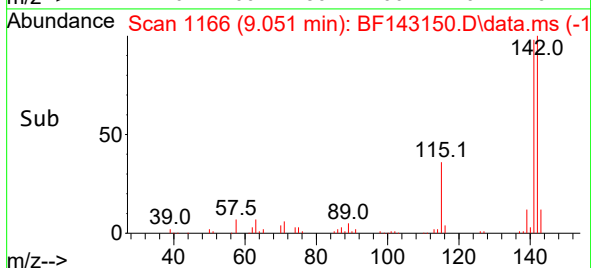
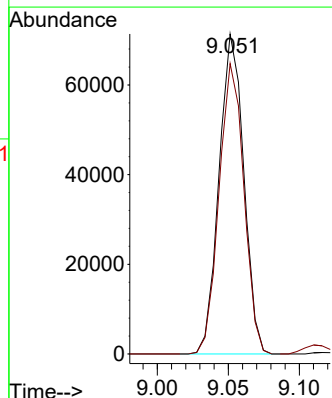
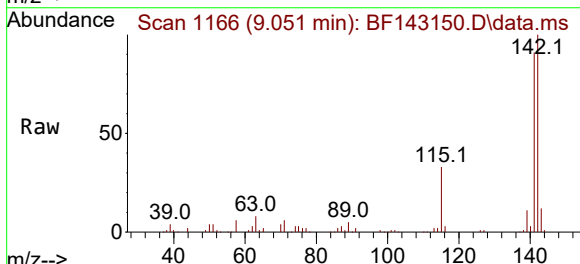
Manual Integrations
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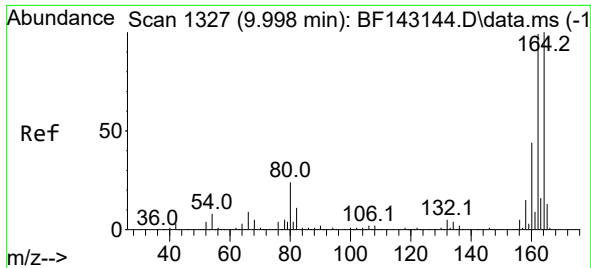
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#38
1-Methylnaphthalene
Concen: 4.289 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

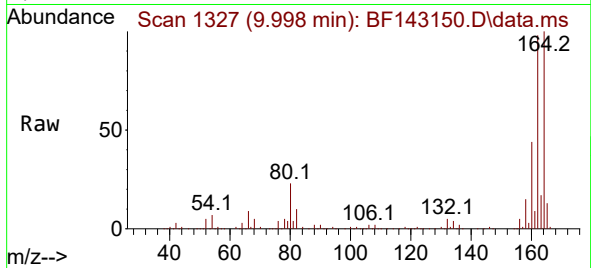
Tgt Ion:142 Resp: 86248
Ion Ratio Lower Upper
142 100
141 90.8 72.3 108.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

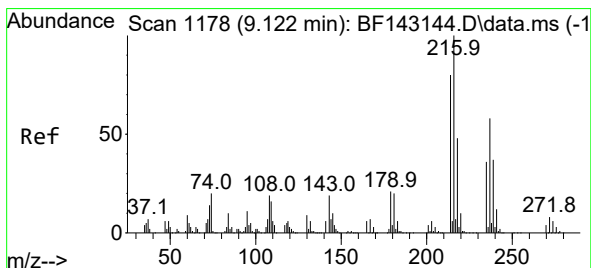
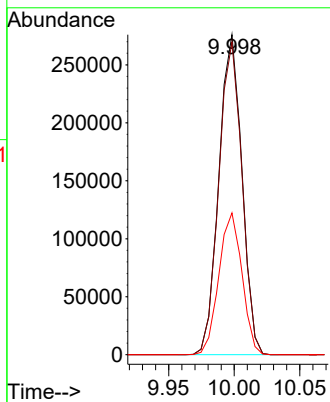
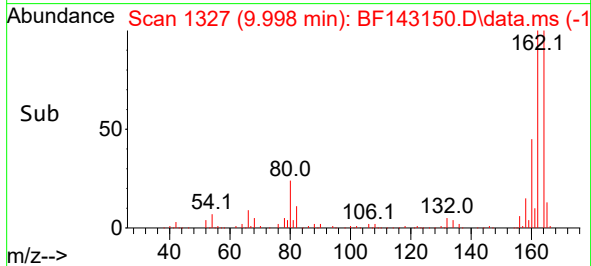
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:164 Resp: 336879
Ion Ratio Lower Upper
164 100
162 97.7 79.0 118.6
160 44.3 35.1 52.7

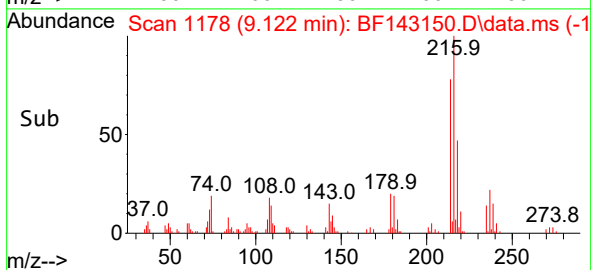
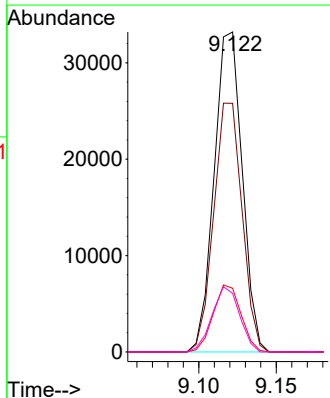
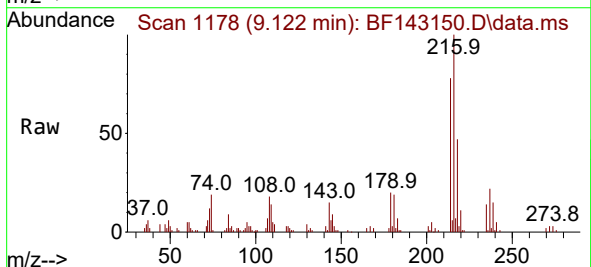
Manual Integrations
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Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.303 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:216 Resp: 41855
Ion Ratio Lower Upper
216 100
214 78.5 63.8 95.8
179 20.7 16.4 24.6
108 19.9 15.6 23.4





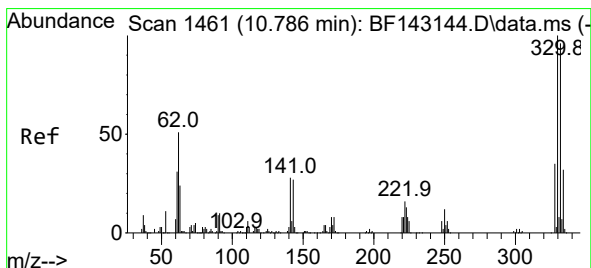
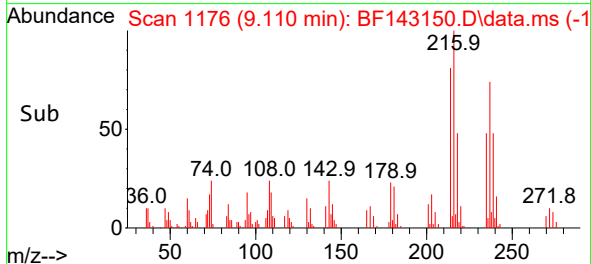
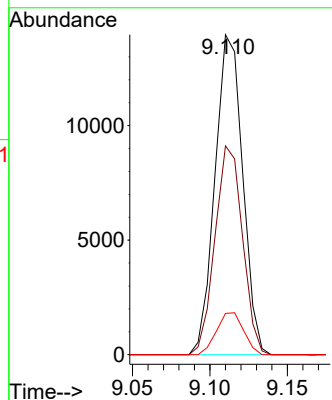
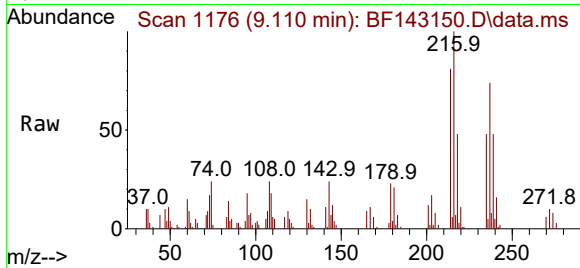
#41
Hexachlorocyclopentadiene
Concen: 2.742 ng
RT: 9.110 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

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

Tgt Ion:237 Resp: 17354
Ion Ratio Lower Upper
237 100
235 65.2 43.0 83.0
272 12.9 0.0 33.3

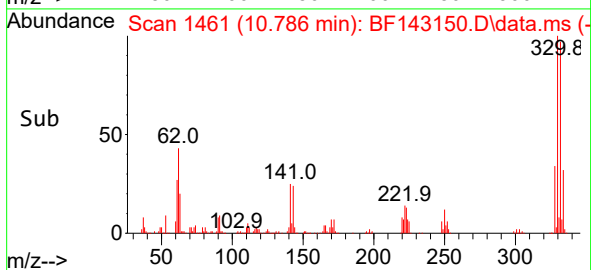
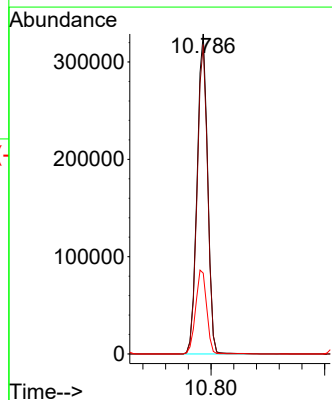
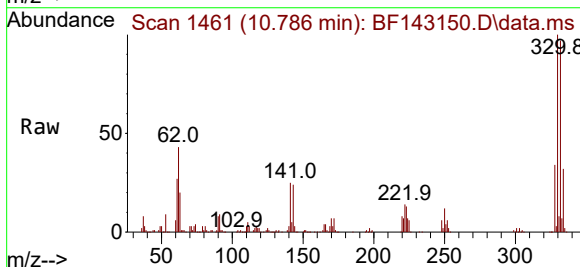
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Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#42
2,4,6-Tribromophenol
Concen: 122.290 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:330 Resp: 425588
Ion Ratio Lower Upper
330 100
332 96.3 76.7 115.1
141 27.4 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 3.734 ng

RT: 9.222 min Scan# 1196

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

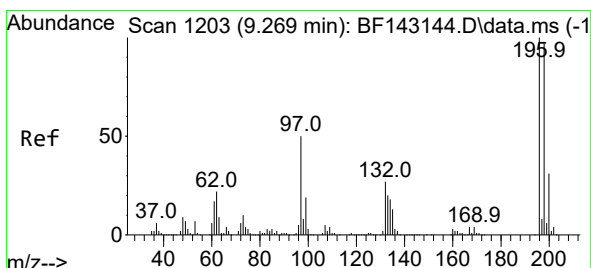
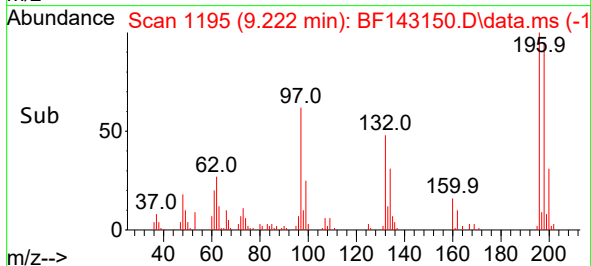
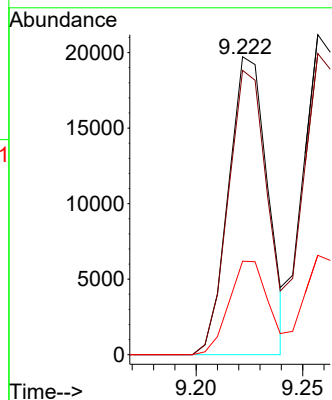
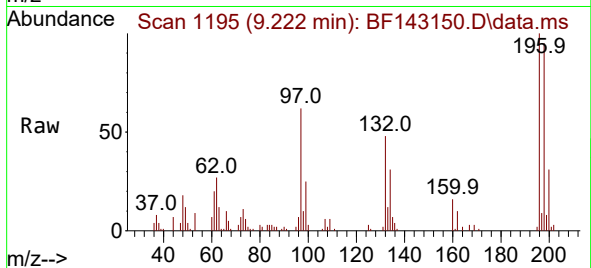
Tgt Ion:196	Resp:	2513
Ion Ratio	Lower	Upper
196	100	
198	95.5	76.2 114.2
200	31.4	23.9 35.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#44

2,4,5-Trichlorophenol

Concen: 4.000 ng

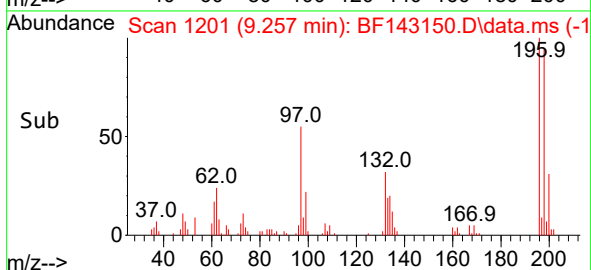
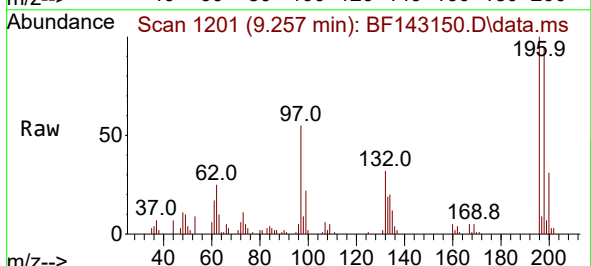
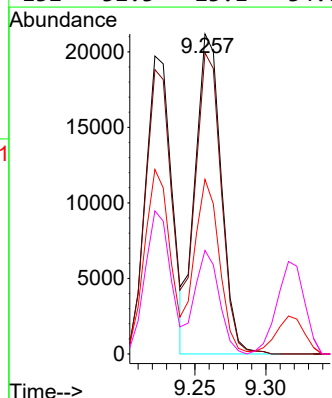
RT: 9.257 min Scan# 1201

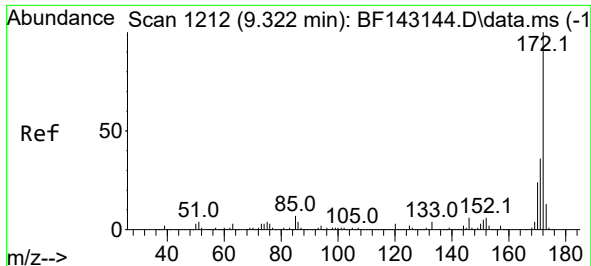
Delta R.T. -0.012 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Tgt Ion:196	Resp:	26934
Ion Ratio	Lower	Upper
196	100	
198	94.1	77.3 115.9
97	54.6	40.3 60.5
132	32.3	23.1 34.7





#45

2-Fluorobiphenyl

Concen: 72.370 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143150.D

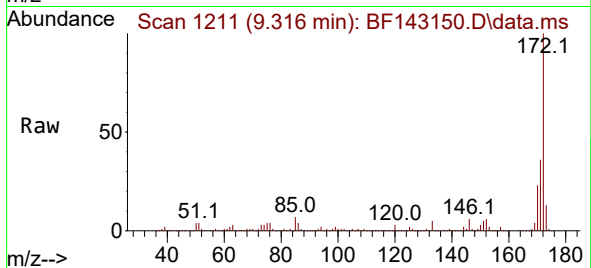
Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025



Tgt Ion:172 Resp: 1782658

Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

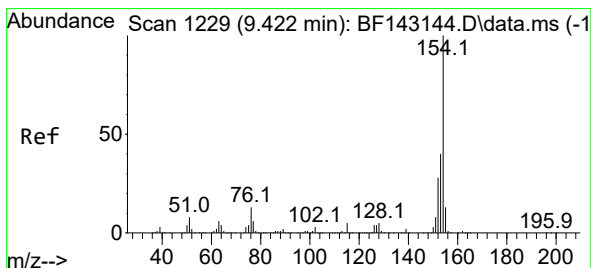
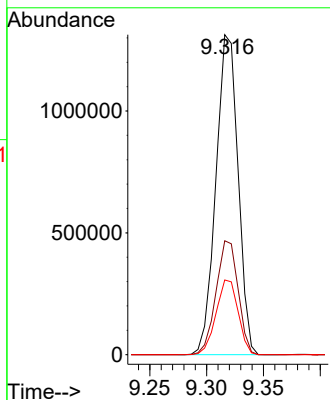
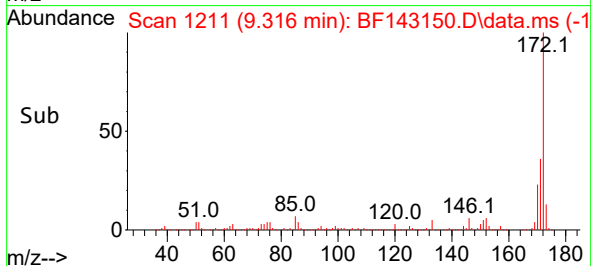
170 23.4 18.8 28.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#46

1,1'-Biphenyl

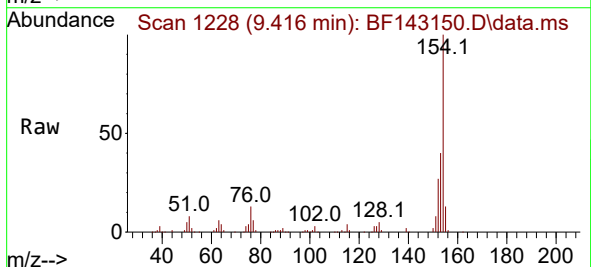
Concen: 4.319 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06



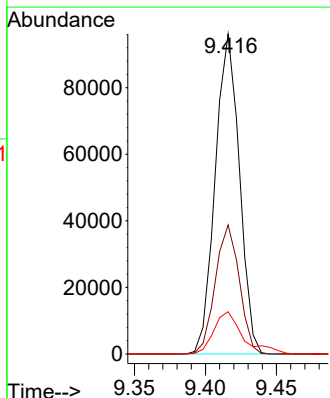
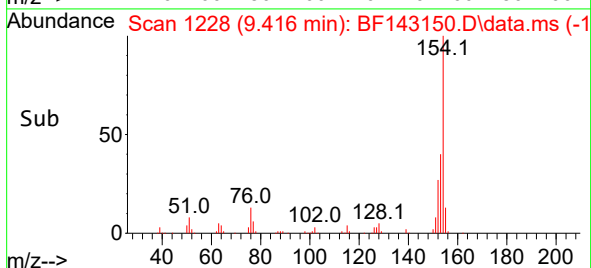
Tgt Ion:154 Resp: 113521

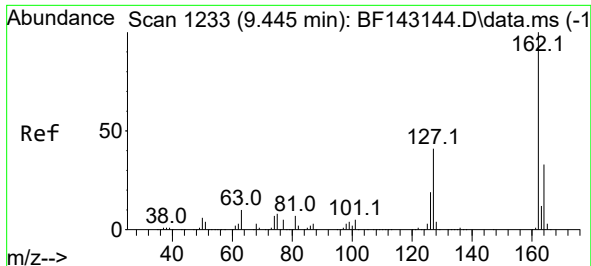
Ion Ratio Lower Upper

154 100

153 40.3 20.3 60.3

76 13.2 0.0 33.3





#47

2-Chloronaphthalene

Concen: 4.217 ng

RT: 9.439 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:162 Resp: 8201

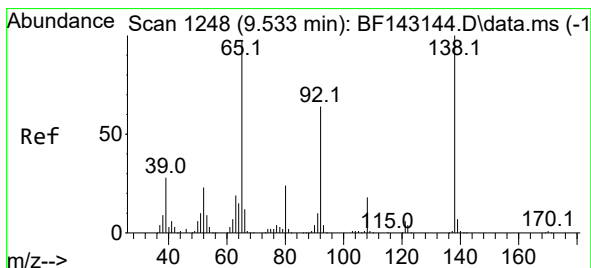
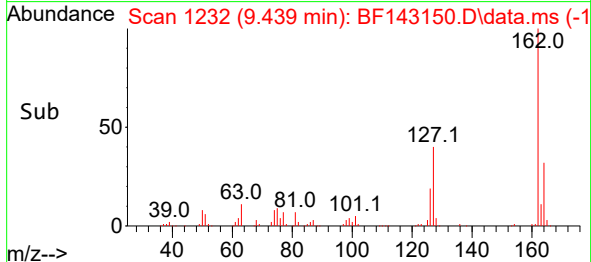
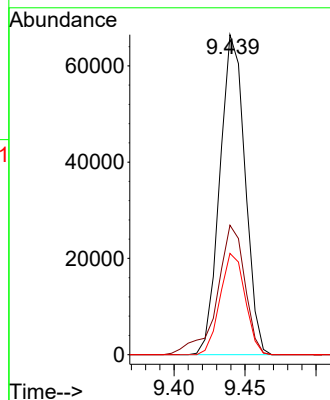
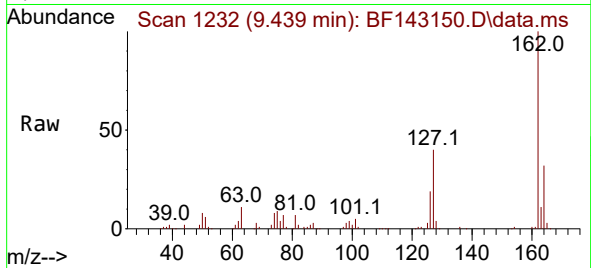
Ion	Ratio	Lower	Upper
162	100		
127	40.5	33.4	50.2
164	31.7	26.2	39.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#48

2-Nitroaniline

Concen: 3.613 ng

RT: 9.522 min Scan# 1246

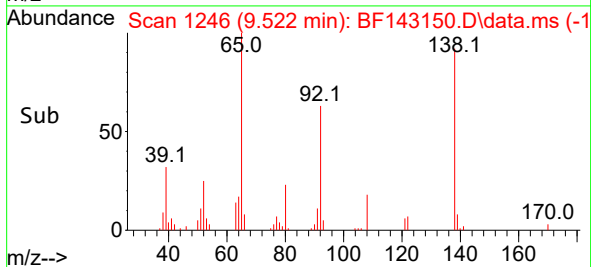
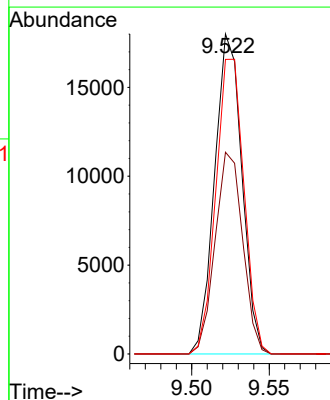
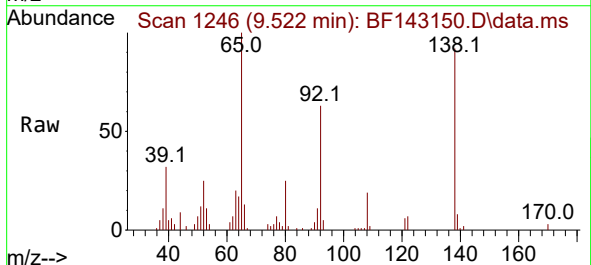
Delta R.T. -0.012 min

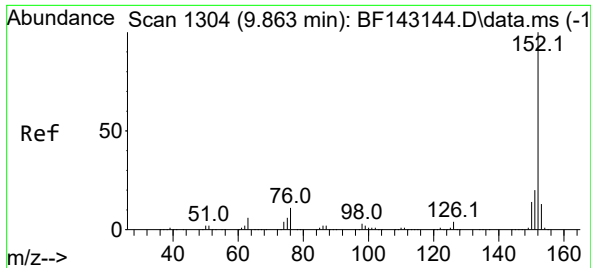
Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Tgt Ion: 65 Resp: 22033

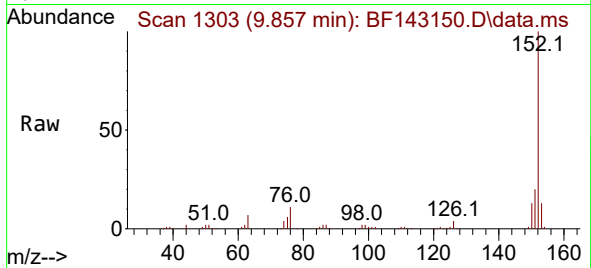
Ion	Ratio	Lower	Upper
65	100		
92	63.1	52.4	78.6
138	92.0	82.3	123.5





#49
Acenaphthylene
Concen: 4.193 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

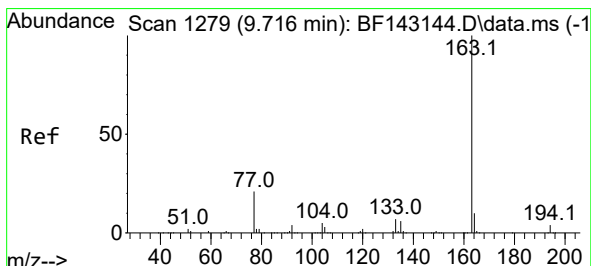
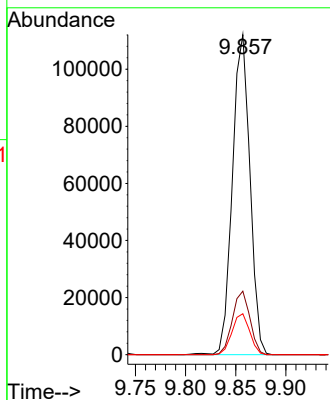
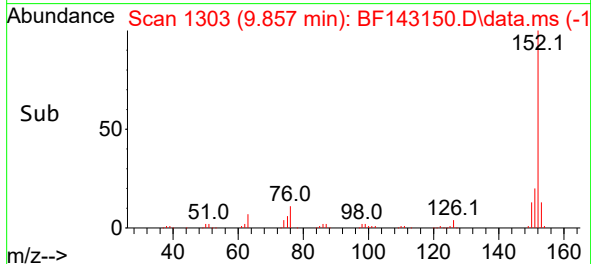
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



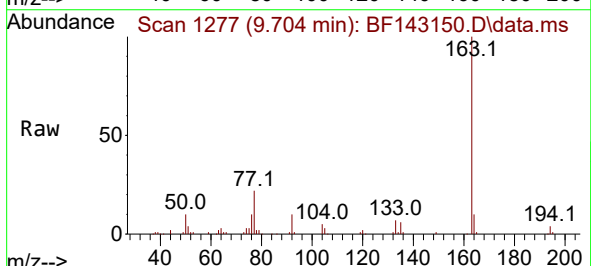
Tgt Ion:152 Resp: 136662
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 12.8 10.6 16.0

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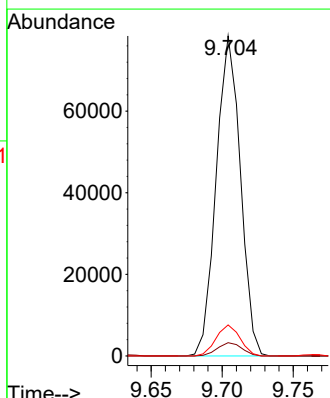
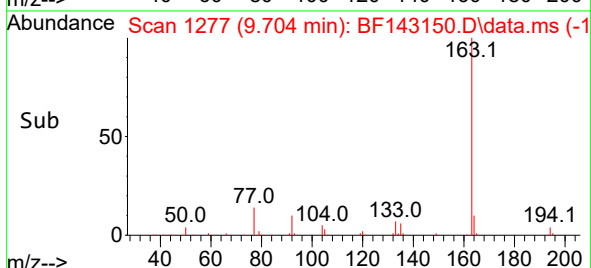
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

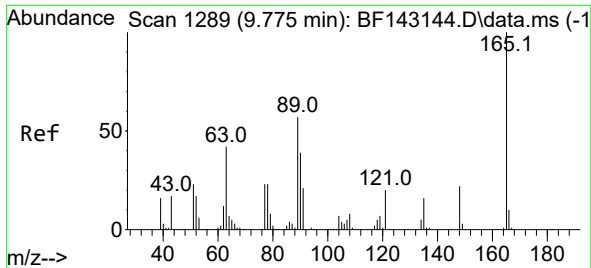


#50
Dimethylphthalate
Concen: 4.224 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06



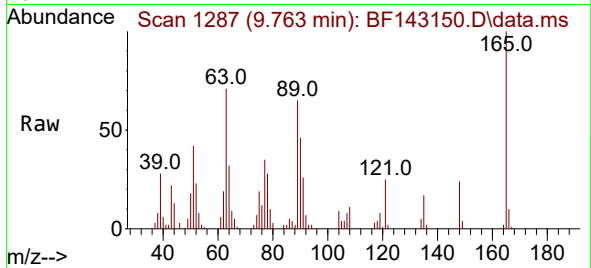
Tgt Ion:163 Resp: 92752
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 9.7 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 3.644 ng
RT: 9.763 min Scan# 1287
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

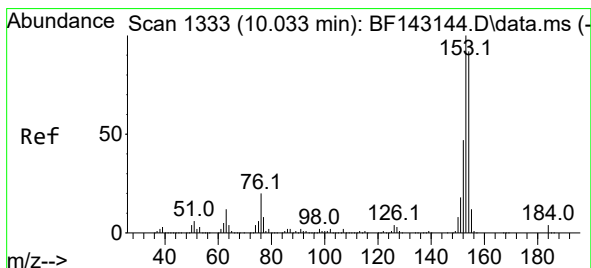
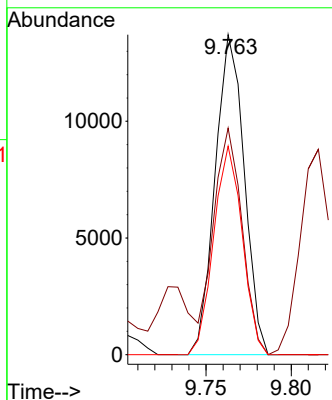
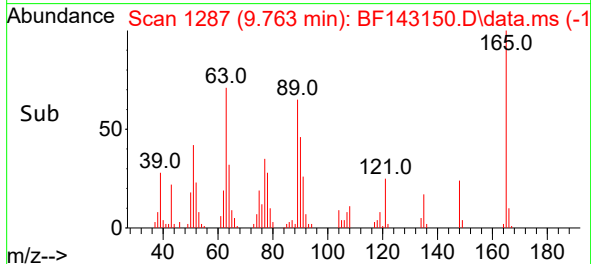
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion:165 Resp: 16278
Ion Ratio Lower Upper
165 100
63 70.8 49.4 74.2
89 65.1 46.2 69.2

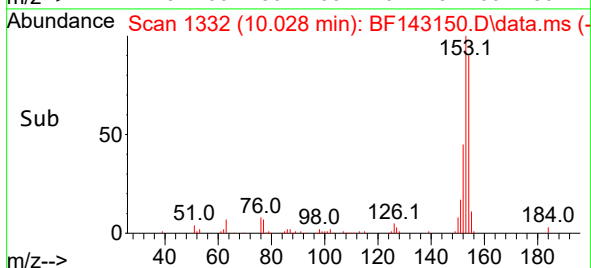
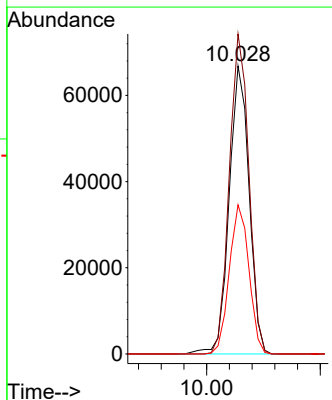
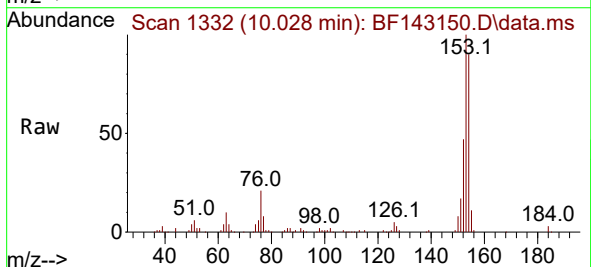
Manual Integrations
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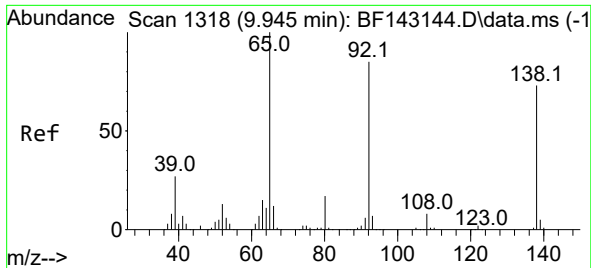
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#52
Acenaphthene
Concen: 4.226 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

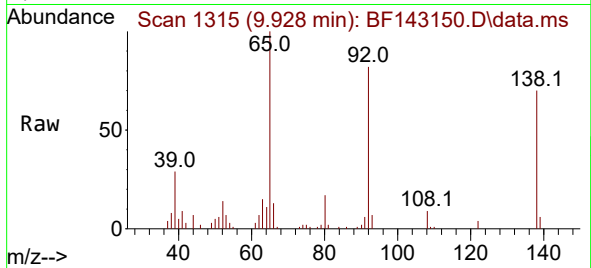
Tgt Ion:154 Resp: 81414
Ion Ratio Lower Upper
154 100
153 111.1 86.6 129.8
152 51.8 40.4 60.6





#53
3-Nitroaniline
Concen: 3.869 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.018 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

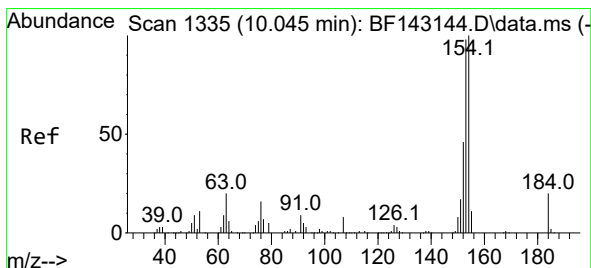
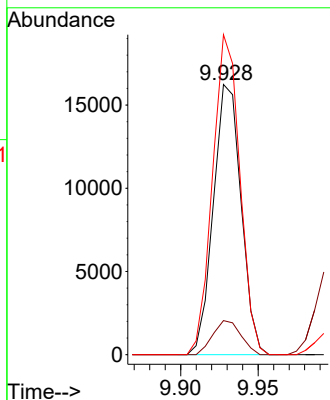
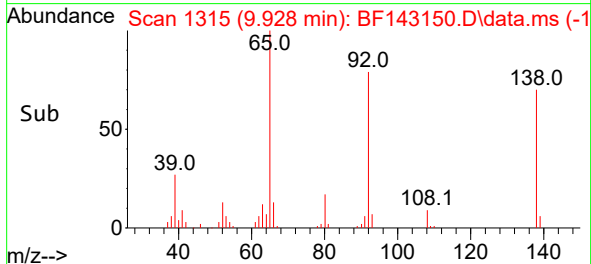
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:138 Resp: 20210
Ion Ratio Lower Upper
138 100
108 12.6 9.0 13.6
92 118.4 93.0 139.4

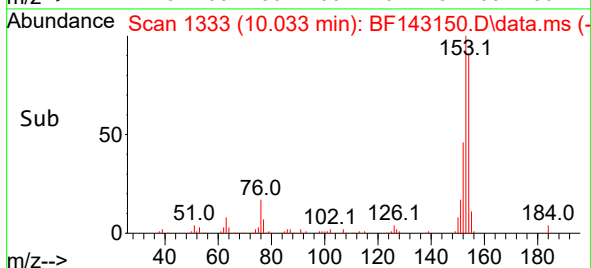
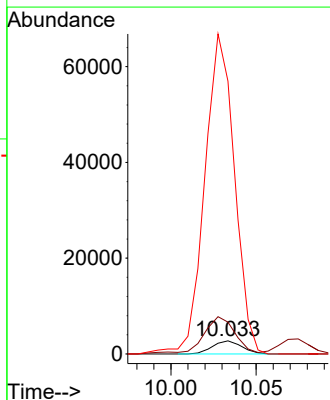
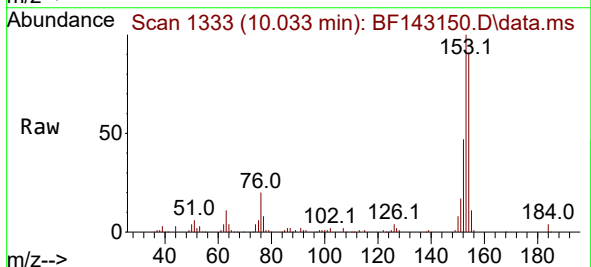
Manual Integrations
APPROVED

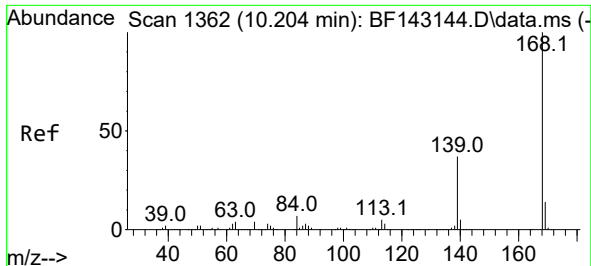
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#54
2,4-Dinitrophenol
Concen: 8.147 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

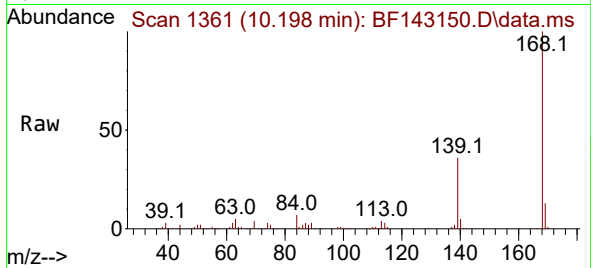
Tgt Ion:184 Resp: 3275
Ion Ratio Lower Upper
184 100
63 242.4 81.8 122.6#
154 2073.8 412.2 618.4#





#55
Dibenzenofuran
Concen: 4.319 ng
RT: 10.198 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

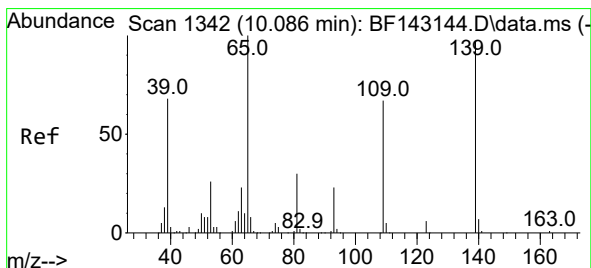
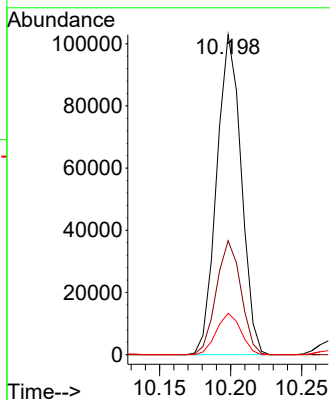
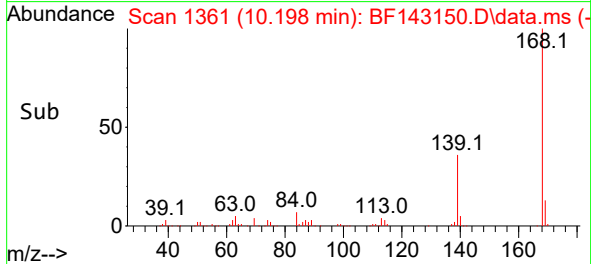
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion:168 Resp: 123510
Ion Ratio Lower Upper
168 100
139 35.6 29.5 44.3
169 13.0 10.9 16.3

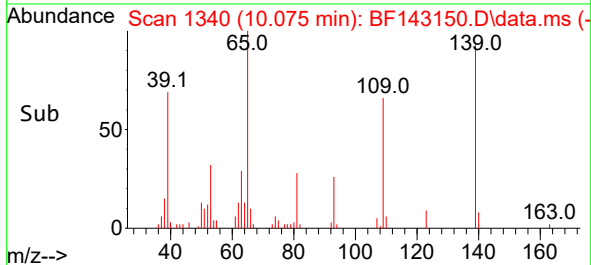
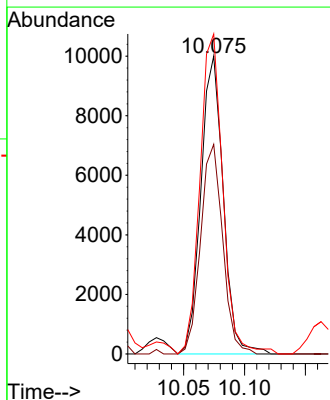
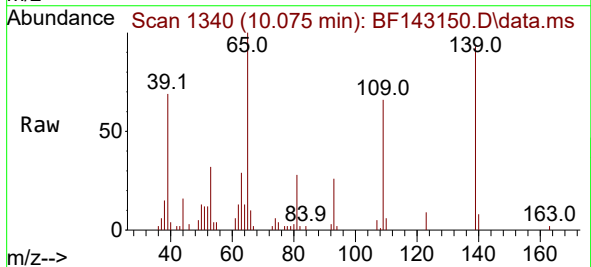
Manual Integrations
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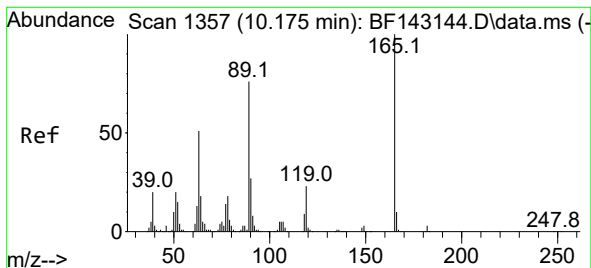
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#56
4-Nitrophenol
Concen: 3.287 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

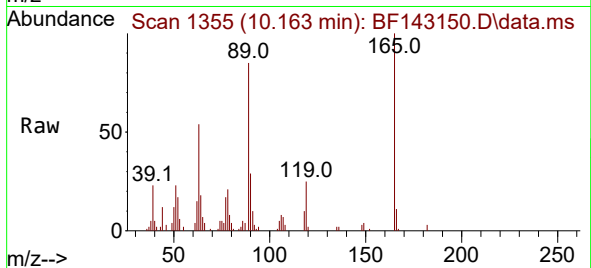
Tgt Ion:139 Resp: 12824
Ion Ratio Lower Upper
139 100
109 70.4 48.5 88.5
65 107.4 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 3.465 ng
RT: 10.163 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

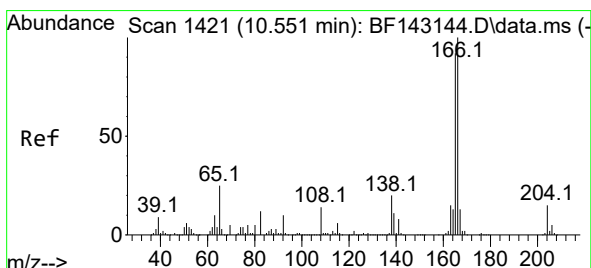
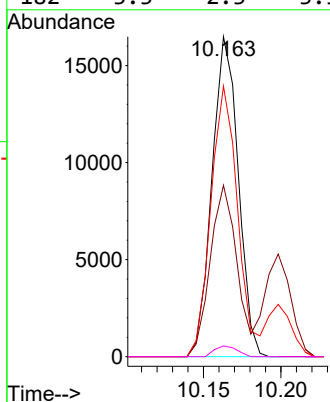
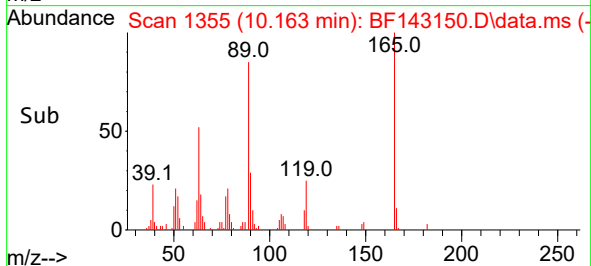
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:165 Resp: 1942
Ion Ratio Lower Upper
165 100
63 53.5 41.0 61.4
89 84.5 61.1 91.7
182 3.3 2.3 3.5

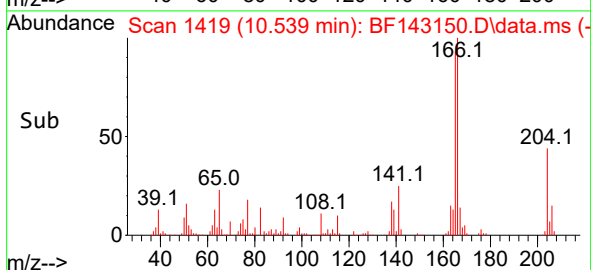
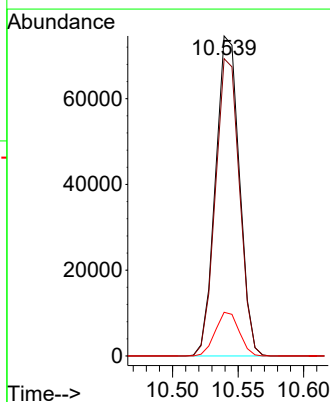
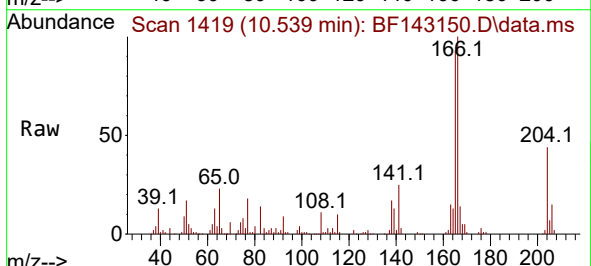
Manual Integrations
APPROVED

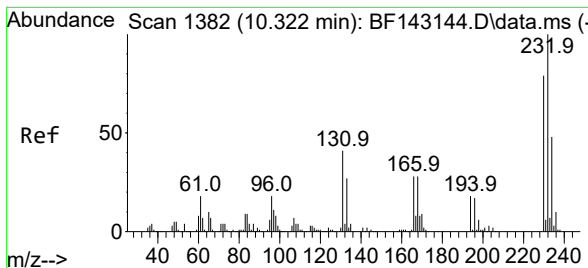
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#58
Fluorene
Concen: 4.401 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

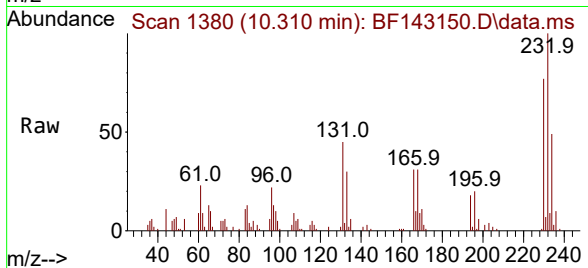
Tgt Ion:166 Resp: 94464
Ion Ratio Lower Upper
166 100
165 92.9 73.7 110.5
167 13.7 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.893 ng
RT: 10.310 min Scan# 1380
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

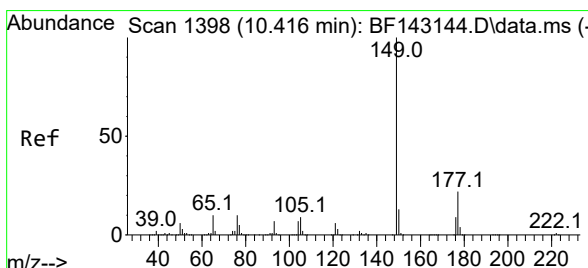
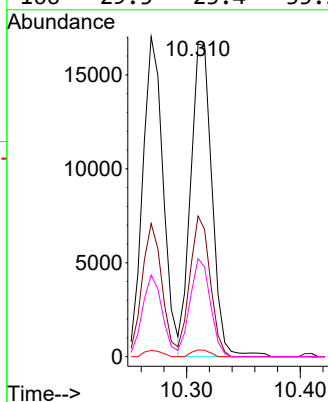
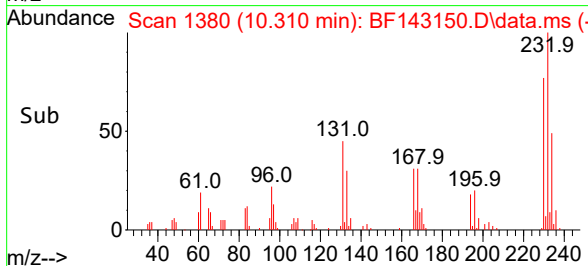
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT2-2025



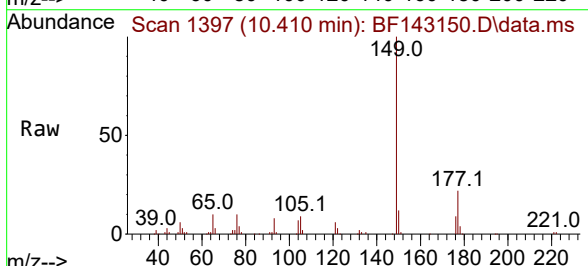
Tgt Ion:232 Resp: 21710
Ion Ratio Lower Upper
232 100
131 42.5 35.3 52.9
130 1.8 1.7 2.5
166 29.5 23.4 35.2

Manual Integrations
APPROVED

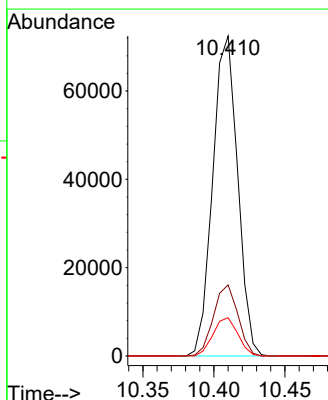
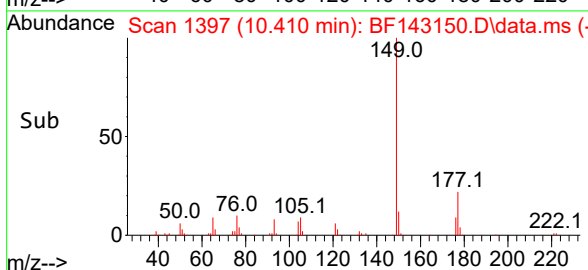
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

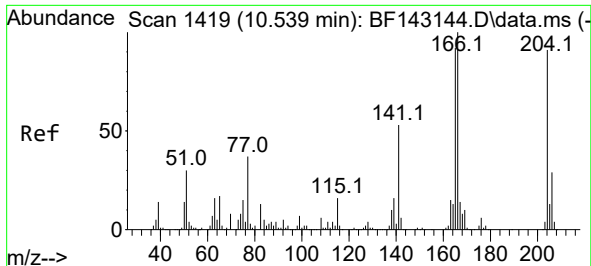


#60
Diethylphthalate
Concen: 4.071 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06



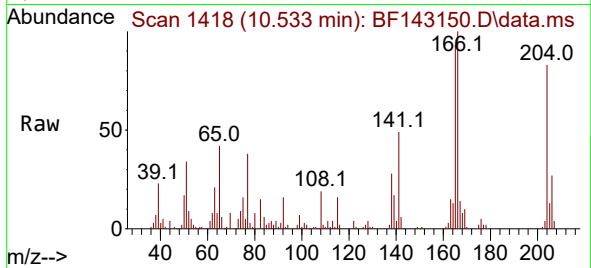
Tgt Ion:149 Resp: 88350
Ion Ratio Lower Upper
149 100
177 22.2 17.5 26.3
150 11.9 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 4.218 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

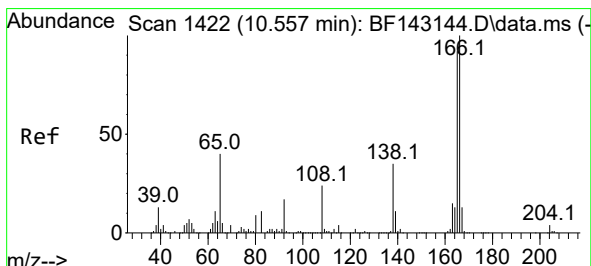
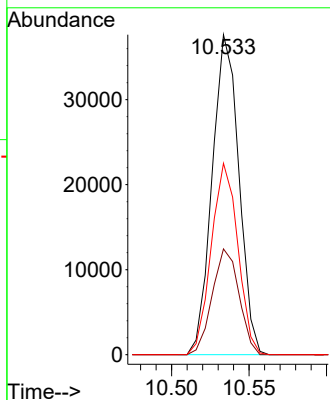
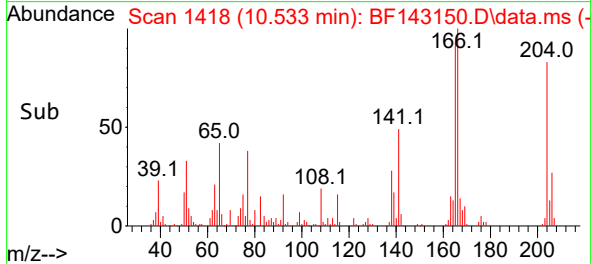
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT2-2025



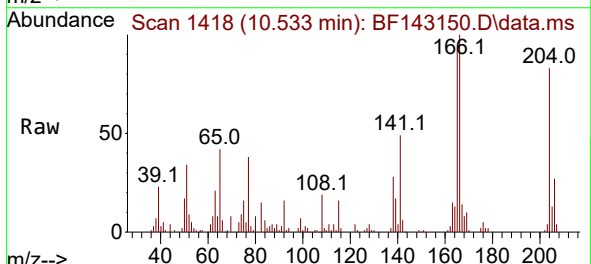
Tgt Ion:204 Resp: 4508
Ion Ratio Lower Upper
204 100
206 33.0 25.8 38.8
141 59.8 47.0 70.4

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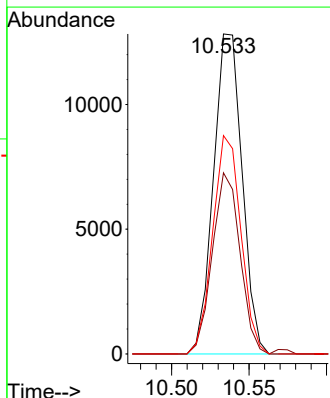
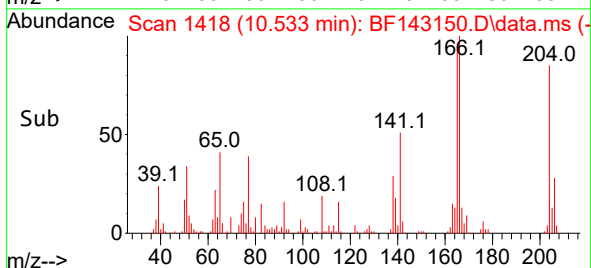
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

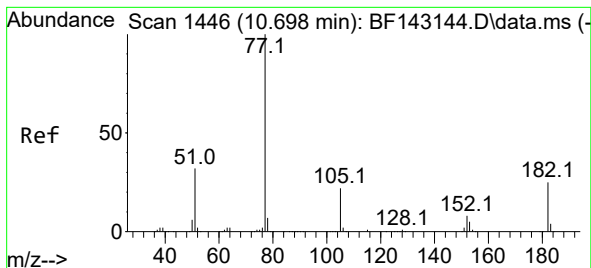


#62
4-Nitroaniline
Concen: 3.686 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.023 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06



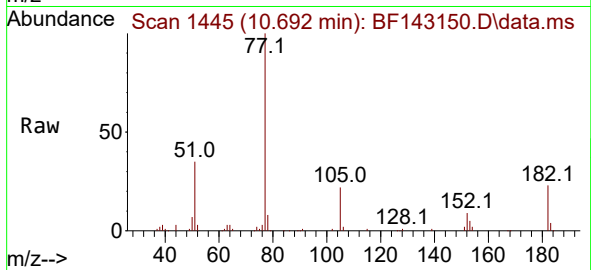
Tgt Ion:138 Resp: 16508
Ion Ratio Lower Upper
138 100
92 56.6 29.3 69.3
108 68.3 48.3 88.3





#63
Azobenzene
Concen: 4.098 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

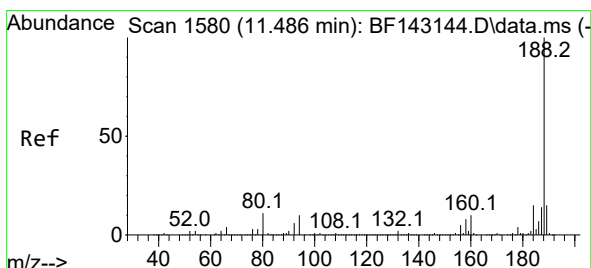
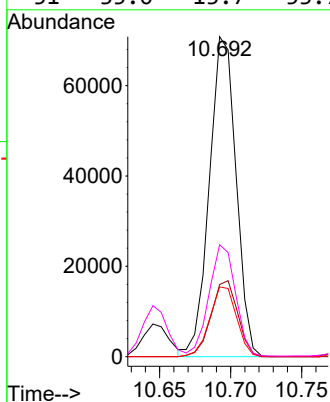
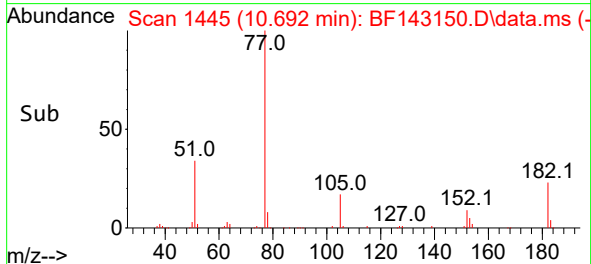
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



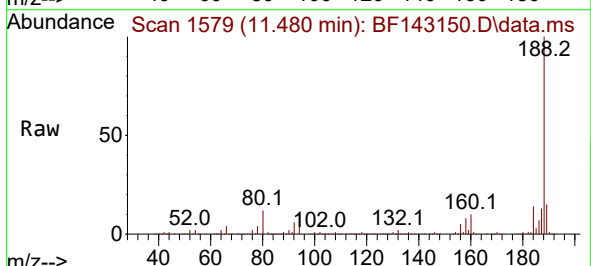
Tgt Ion: 77 Resp: 92702
Ion Ratio Lower Upper
77 100
182 22.5 4.6 44.6
105 21.8 1.4 41.4
51 35.0 13.7 53.7

Manual Integrations
APPROVED

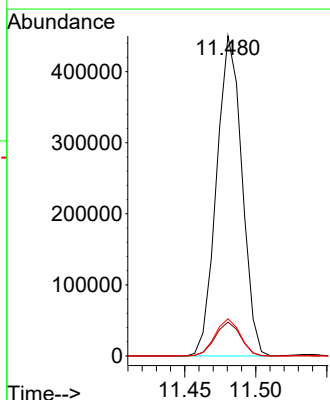
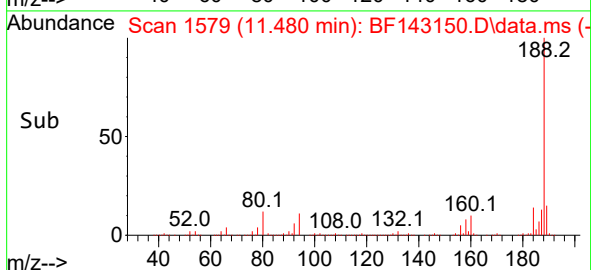
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

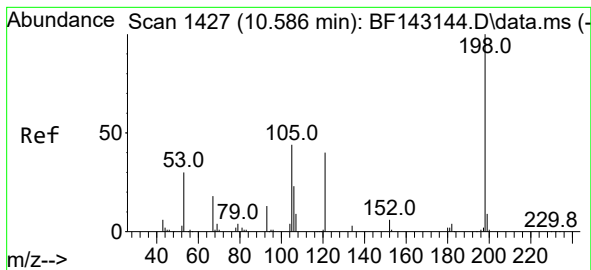


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06



Tgt Ion:188 Resp: 558964
Ion Ratio Lower Upper
188 100
94 10.6 8.3 12.5
80 11.6 9.0 13.6





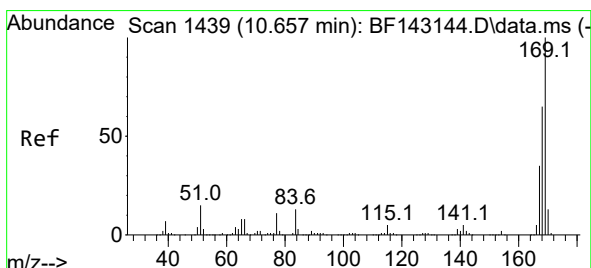
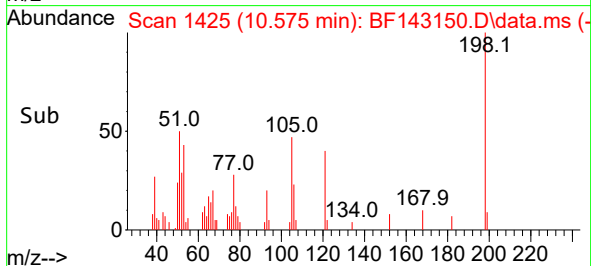
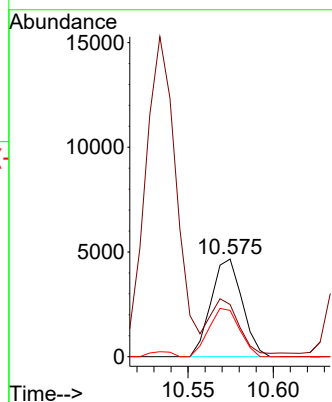
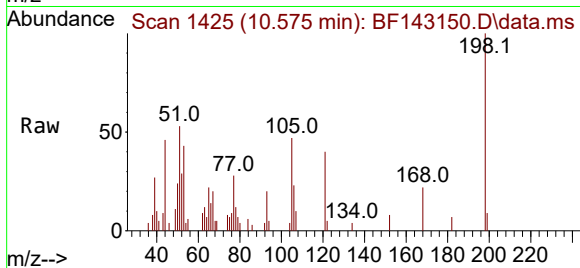
#65
4,6-Dinitro-2-methylphenol
Concen: 7.203 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.011 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

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

Tgt Ion:198 Resp: 5914
Ion Ratio Lower Upper
198 100
51 53.5 37.2 77.2
105 47.4 24.8 64.8

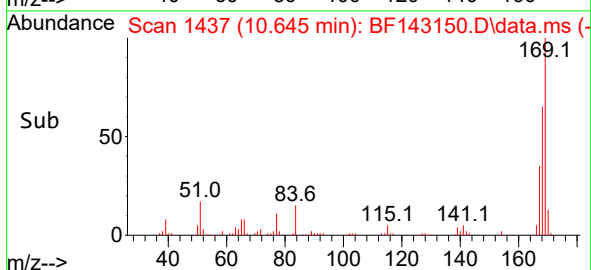
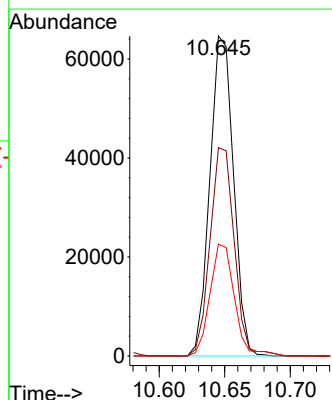
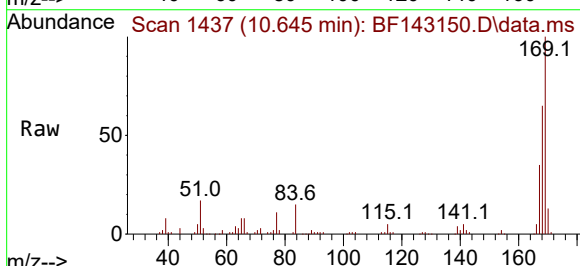
Manual Integrations
APPROVED

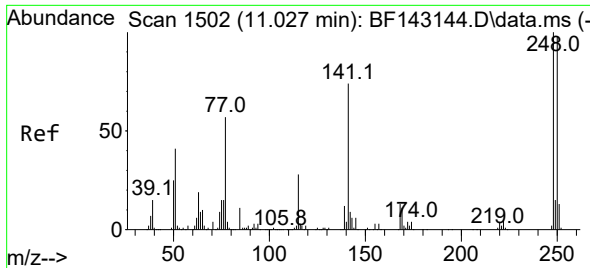
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#66
n-Nitrosodiphenylamine
Concen: 4.117 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

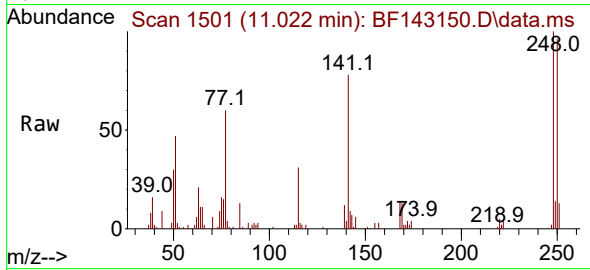
Tgt Ion:169 Resp: 81042
Ion Ratio Lower Upper
169 100
168 65.1 52.1 78.1
167 34.9 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 4.006 ng
RT: 11.022 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

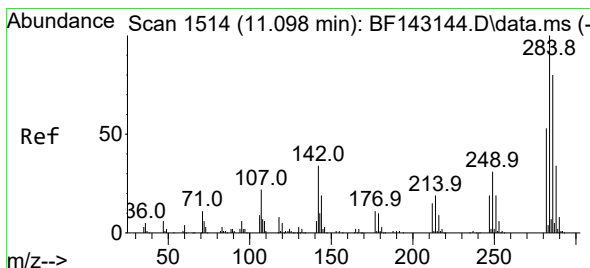
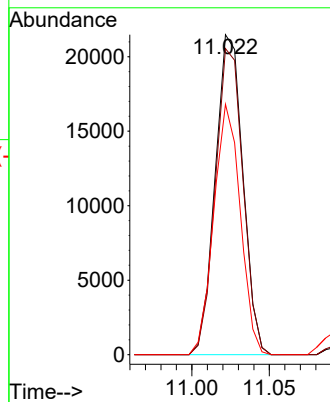
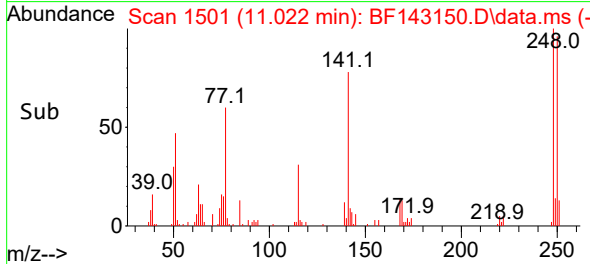
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



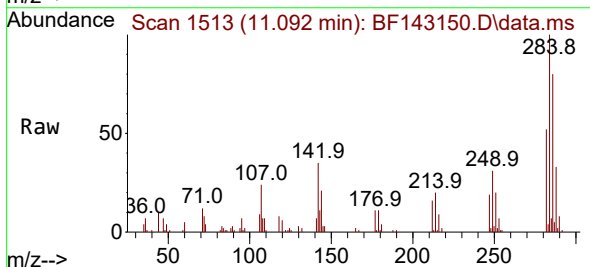
Tgt Ion:248 Resp: 2668
Ion Ratio Lower Upper
248 100
250 95.6 78.3 117.5
141 78.2 59.2 88.8

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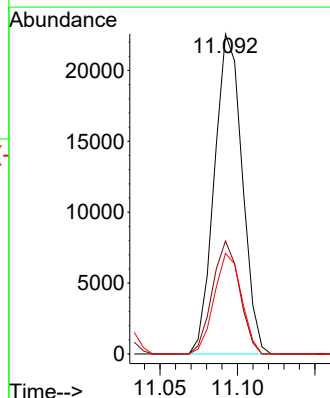
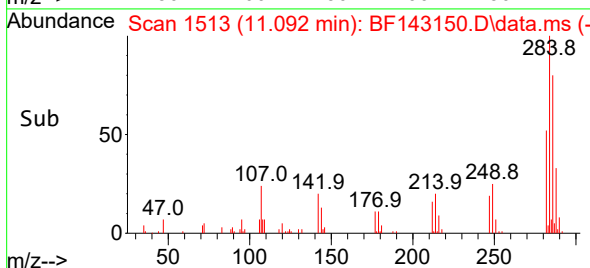
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

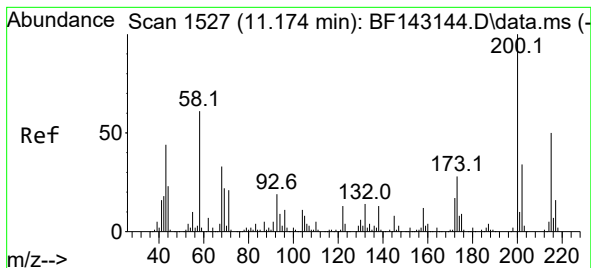


#68
Hexachlorobenzene
Concen: 4.046 ng
RT: 11.092 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06



Tgt Ion:284 Resp: 28171
Ion Ratio Lower Upper
284 100
142 35.3 27.0 40.6
249 31.5 25.0 37.6





#69

Atrazine

Concen: 3.823 ng

RT: 11.169 min Scan# 1526

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

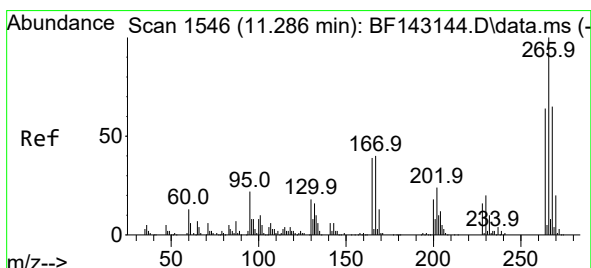
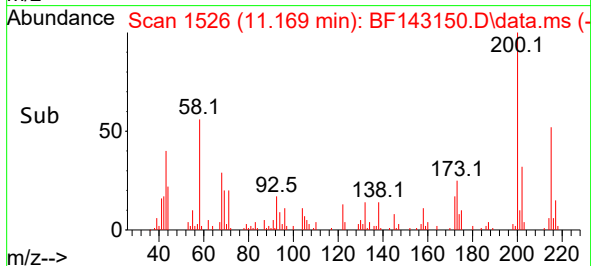
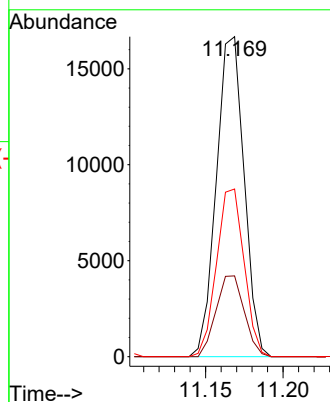
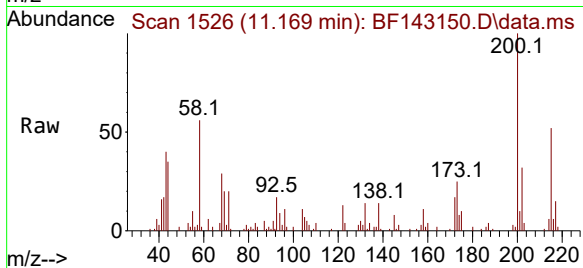
Tgt Ion:200 Resp: 2074
 Ion Ratio Lower Upper
 200 100
 173 25.2 7.9 47.9
 215 52.4 30.1 70.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#70

Pentachlorophenol

Concen: 3.132 ng

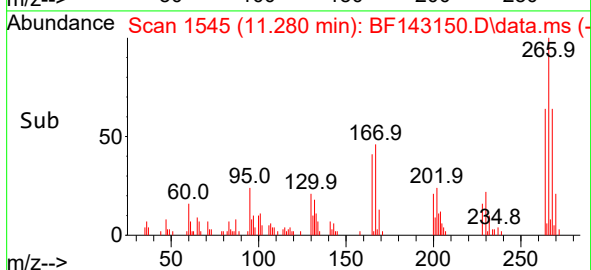
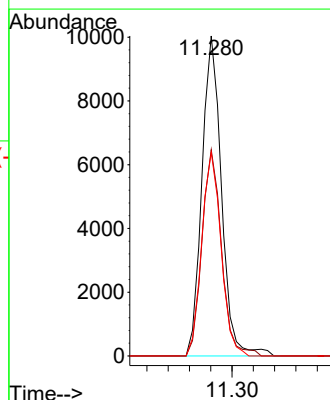
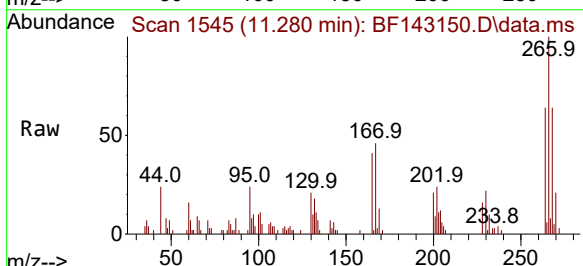
RT: 11.280 min Scan# 1545

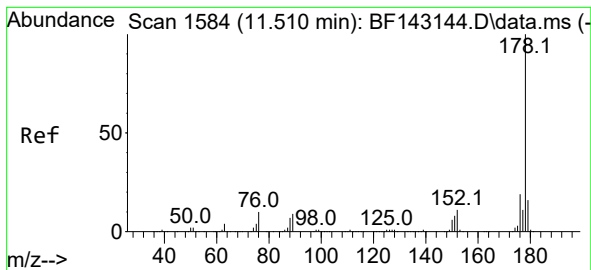
Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Tgt Ion:266 Resp: 12826
 Ion Ratio Lower Upper
 266 100
 268 64.5 51.9 77.9
 264 63.7 51.0 76.6





#71

Phenanthrene

Concen: 4.265 ng

RT: 11.504 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:178 Resp: 12659

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

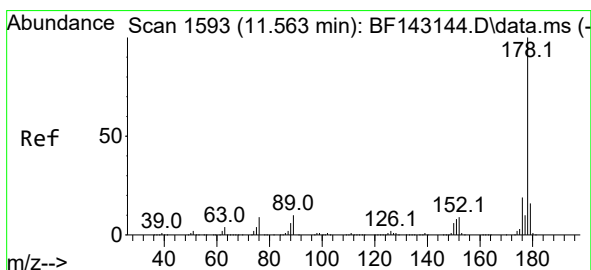
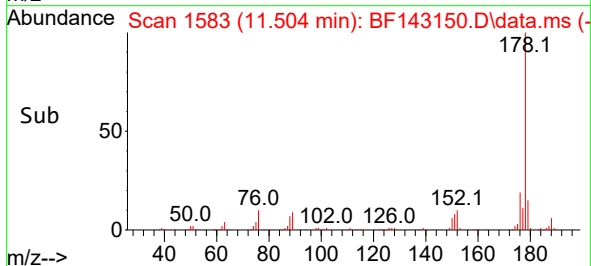
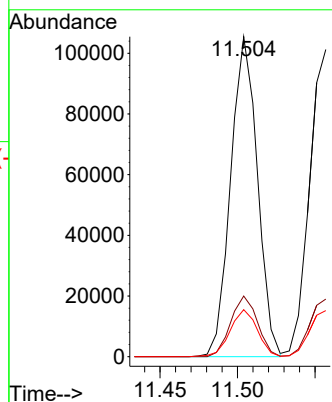
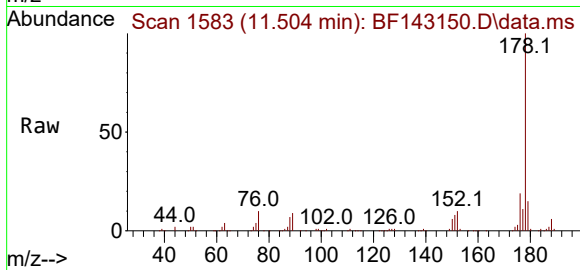
179 14.7 12.5 18.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#72

Anthracene

Concen: 4.128 ng

RT: 11.557 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

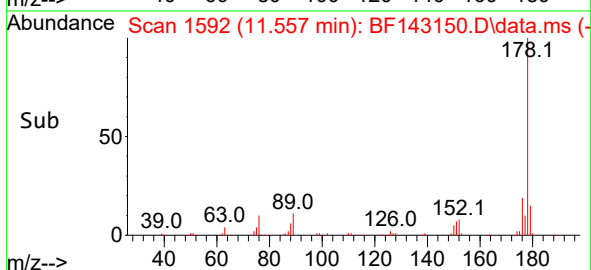
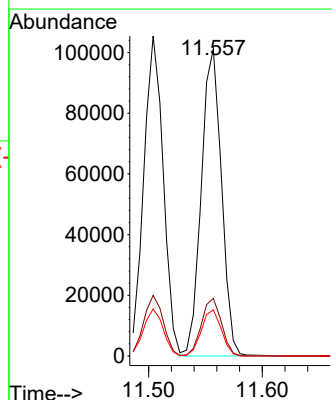
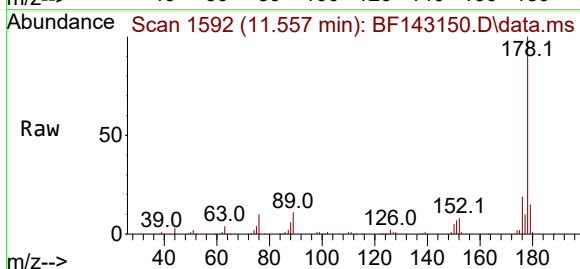
Tgt Ion:178 Resp: 124949

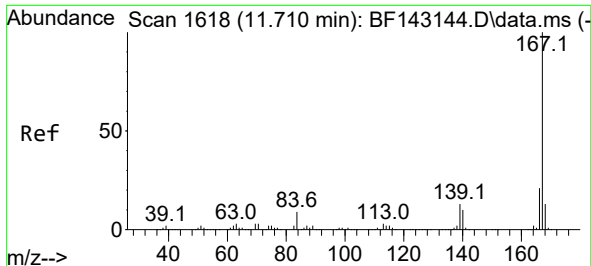
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

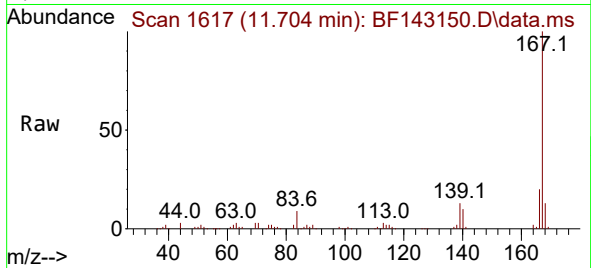
179 15.0 12.5 18.7





#73
 Carbazole
 Concen: 4.190 ng
 RT: 11.704 min Scan# 1617
 Delta R.T. -0.006 min
 Lab File: BF143150.D
 Acq: 17 Jul 2025 16:06

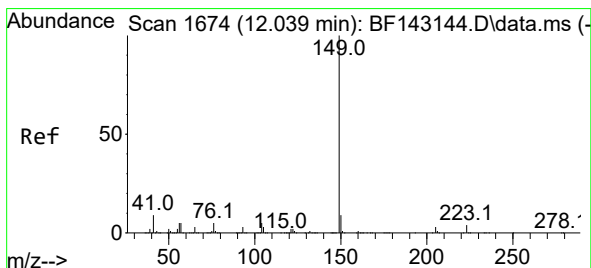
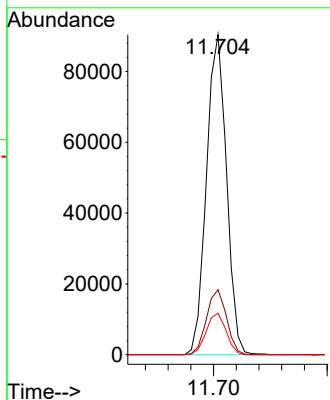
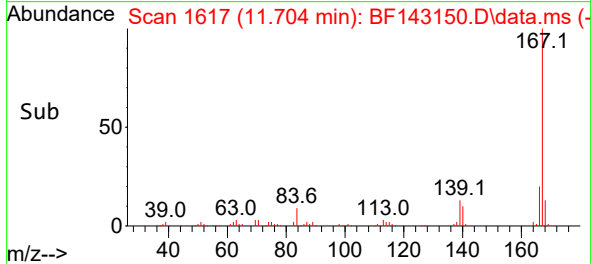
Instrument : BNA_F
 ClientSampleId : MDL-SOIL-03-QT2-2025



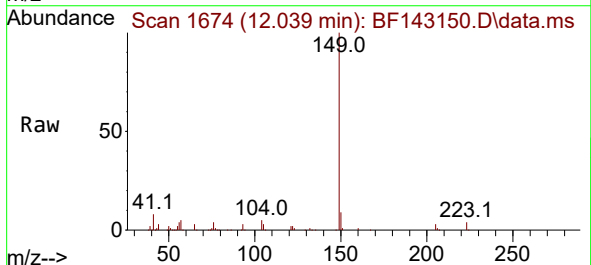
Tgt Ion:167 Resp: 110748
 Ion Ratio Lower Upper
 167 100
 166 20.3 17.0 25.6
 139 13.0 10.0 15.0

Manual Integrations
 APPROVED

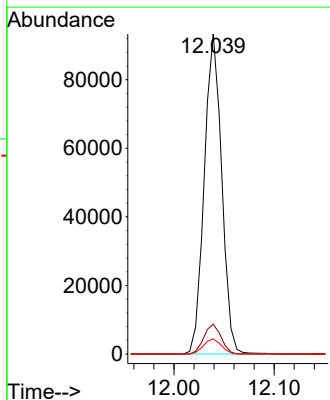
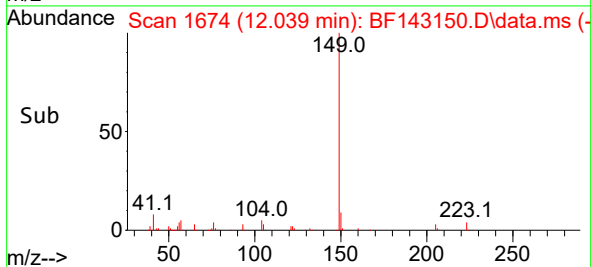
Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

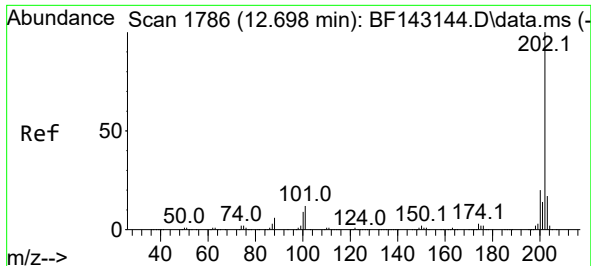


#74
 Di-n-butylphthalate
 Concen: 3.777 ng
 RT: 12.039 min Scan# 1674
 Delta R.T. 0.000 min
 Lab File: BF143150.D
 Acq: 17 Jul 2025 16:06



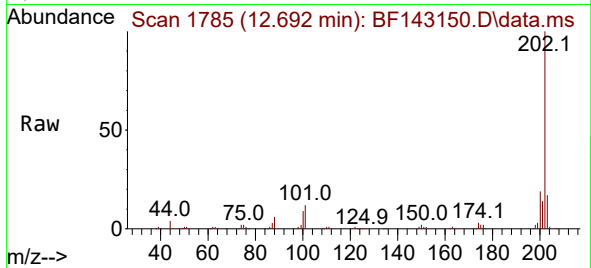
Tgt Ion:149 Resp: 112945
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 4.7 3.8 5.8





#75
Fluoranthene
Concen: 4.091 ng
RT: 12.692 min Scan# 11144
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

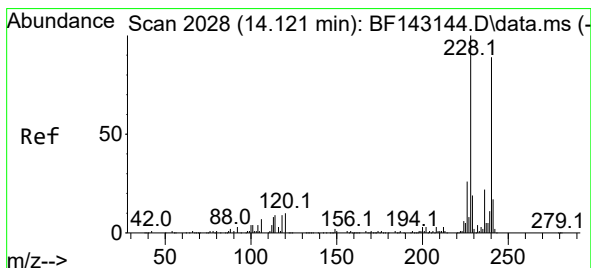
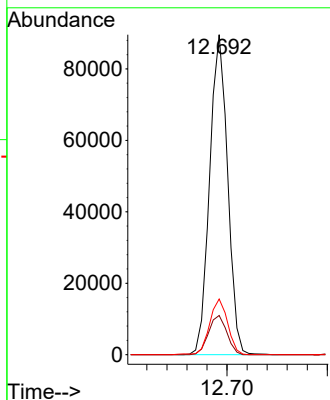
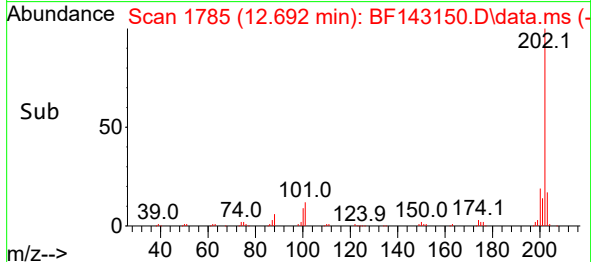
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



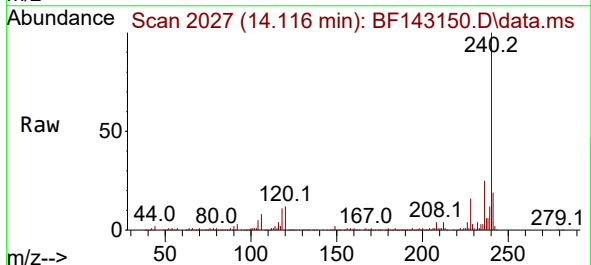
Tgt Ion:202 Resp: 11144
Ion Ratio Lower Upper
202 100
101 12.3 0.0 31.7
203 17.4 0.0 37.4

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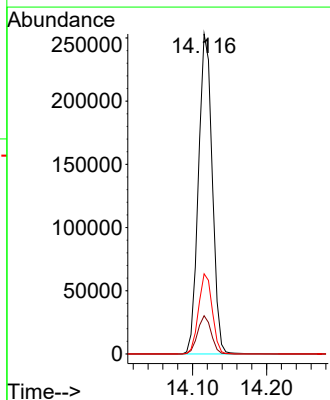
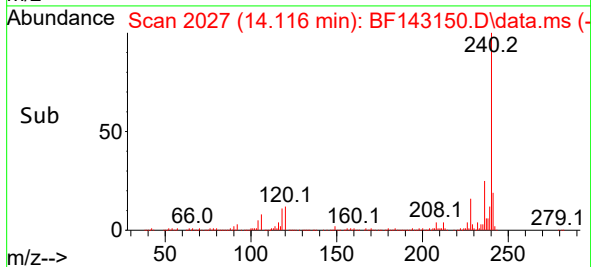
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

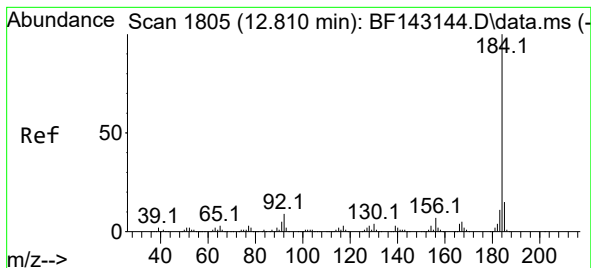


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06



Tgt Ion:240 Resp: 326988
Ion Ratio Lower Upper
240 100
120 12.0 9.4 14.2
236 25.0 20.2 30.4





#77

Benzidine

Concen: 3.327 ng

RT: 12.804 min Scan# 1804

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

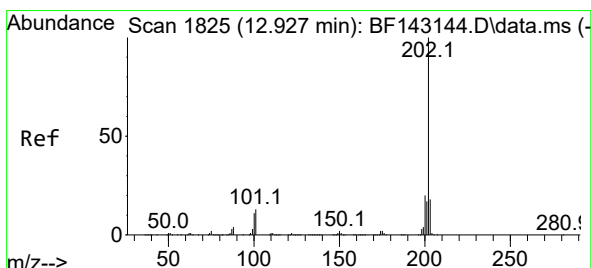
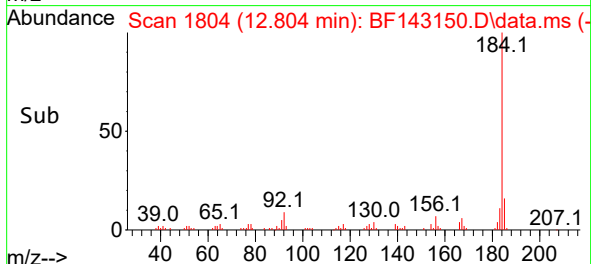
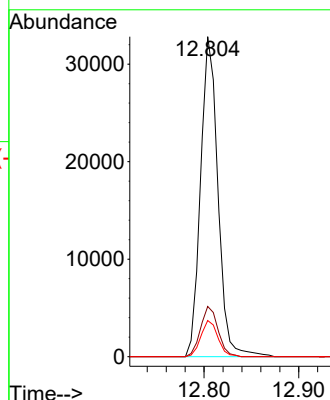
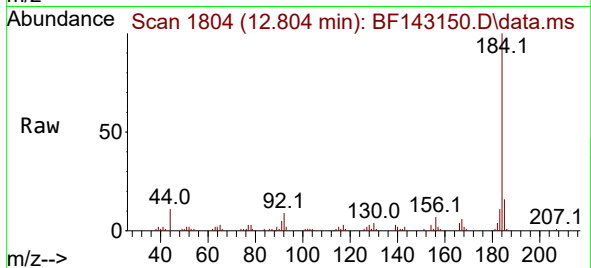
Tgt Ion:184	Resp: 41914
Ion Ratio	Lower Upper
184 100	
185 15.7	12.2 18.4
183 11.3	9.0 13.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#78

Pyrene

Concen: 4.092 ng

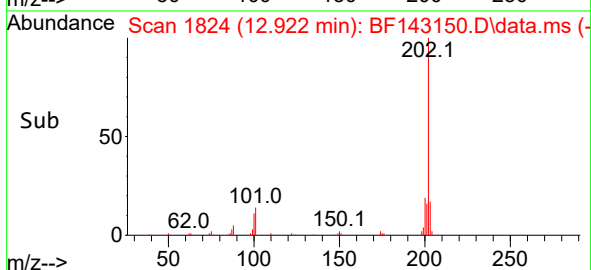
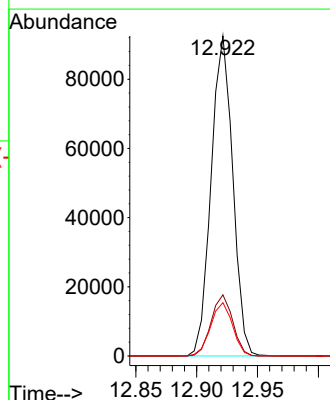
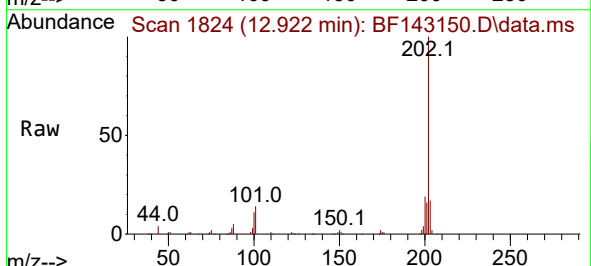
RT: 12.922 min Scan# 1824

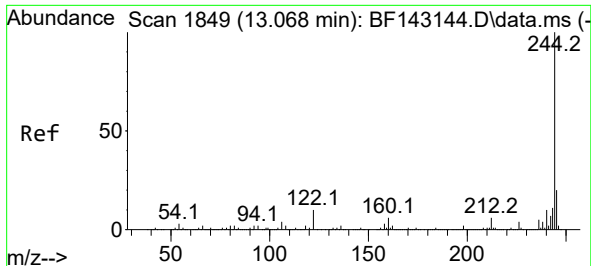
Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

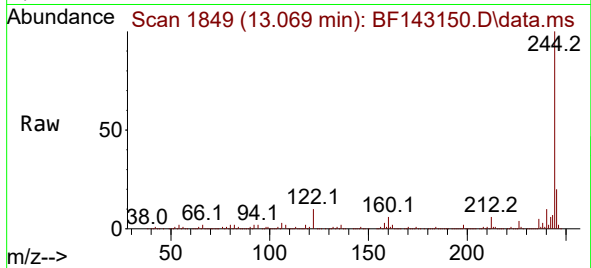
Tgt Ion:202	Resp: 114207
Ion Ratio	Lower Upper
202 100	
200 19.1	15.7 23.5
203 16.7	14.2 21.2





#79
 Terphenyl-d14
 Concen: 76.398 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143150.D
 Acq: 17 Jul 2025 16:06

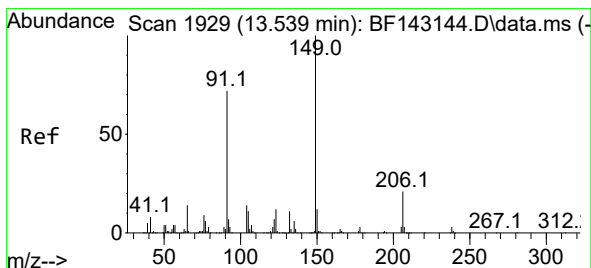
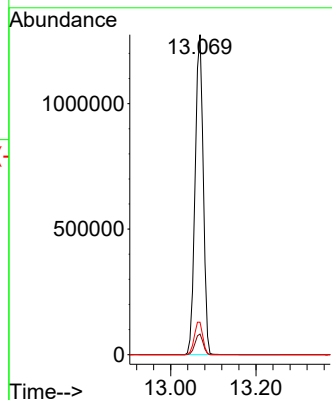
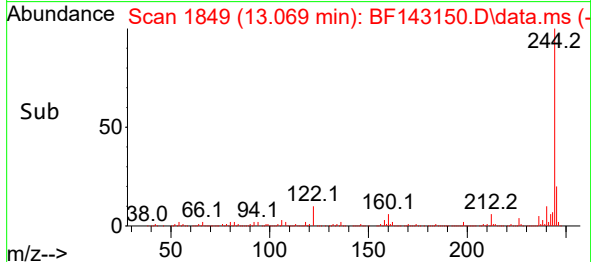
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2025



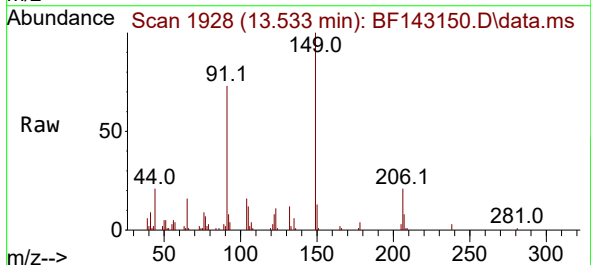
Tgt Ion:244 Resp: 1678718
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 10.1 8.2 12.2

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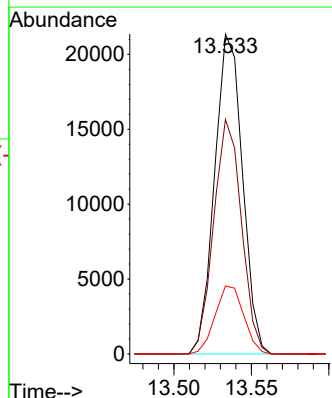
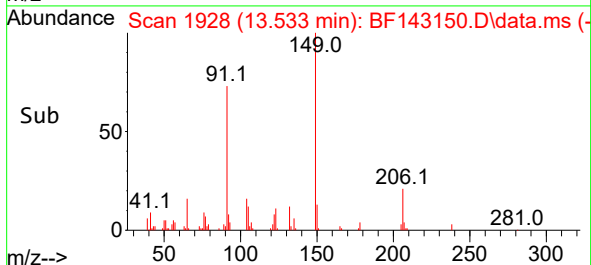
Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

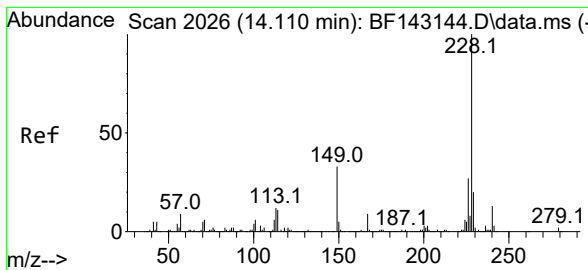


#80
 Butylbenzylphthalate
 Concen: 3.120 ng
 RT: 13.533 min Scan# 1928
 Delta R.T. -0.006 min
 Lab File: BF143150.D
 Acq: 17 Jul 2025 16:06



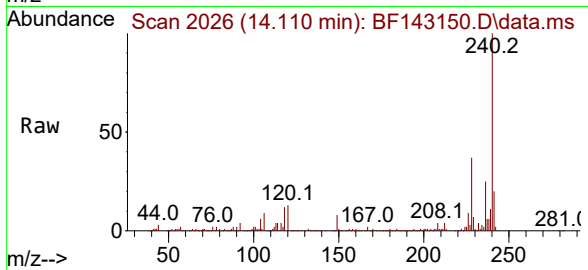
Tgt Ion:149 Resp: 26666
 Ion Ratio Lower Upper
 149 100
 91 73.3 57.9 86.9
 206 21.3 17.0 25.4





#81
Benzo(a)anthracene
Concen: 4.121 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

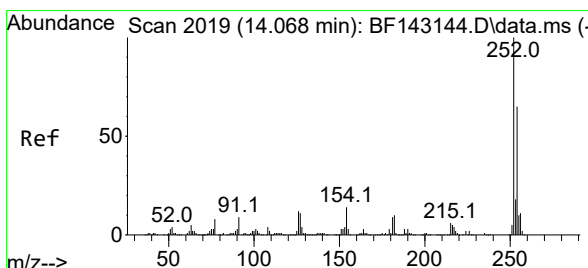
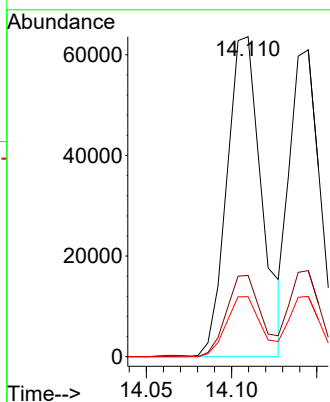
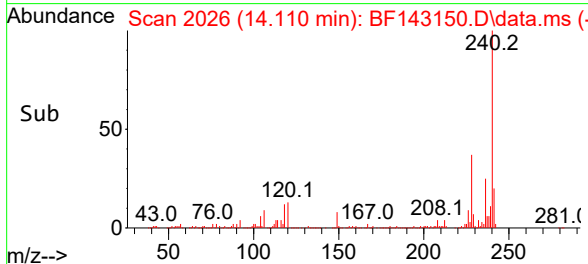
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



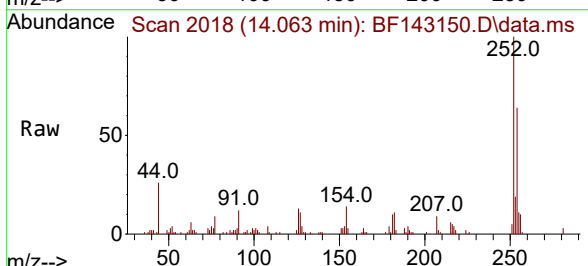
Tgt Ion:228 Resp: 90220
Ion Ratio Lower Upper
228 100
226 25.4 21.7 32.5
229 18.7 15.8 23.6

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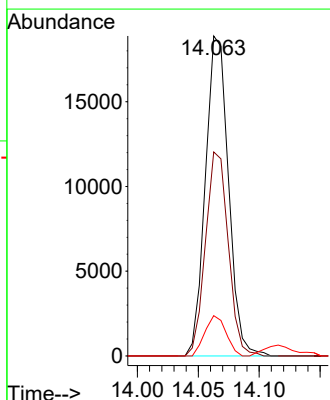
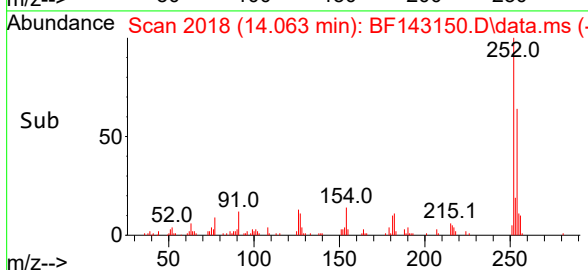
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

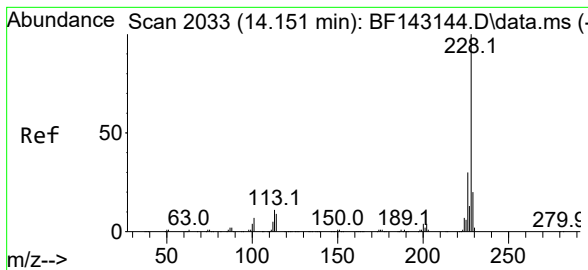


#82
3,3'-Dichlorobenzidine
Concen: 3.406 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06



Tgt Ion:252 Resp: 24852
Ion Ratio Lower Upper
252 100
254 63.7 51.7 77.5
126 12.6 9.4 14.0





#83

Chrysene

Concen: 3.813 ng

RT: 14.145 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

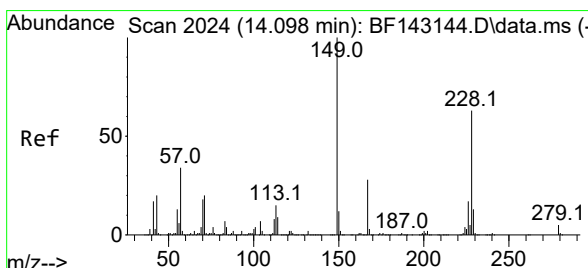
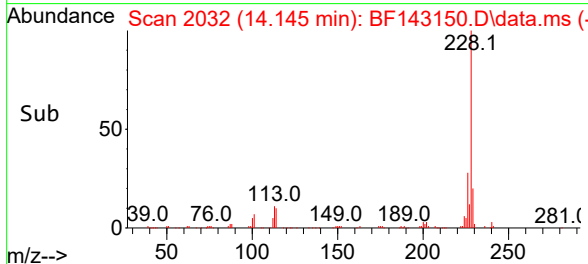
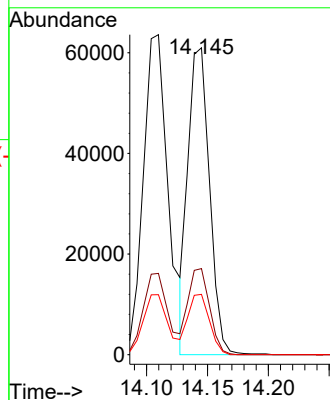
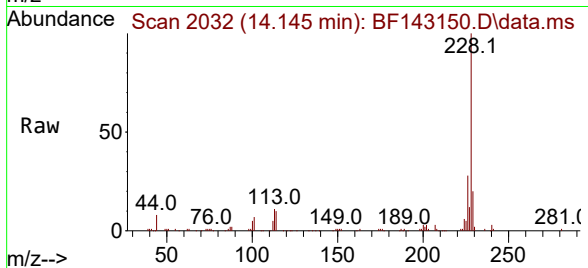
Tgt Ion:228	Resp: 75050
Ion Ratio	Lower Upper
228 100	
226 28.1	23.8 35.8
229 19.6	15.6 23.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/18/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.281 ng

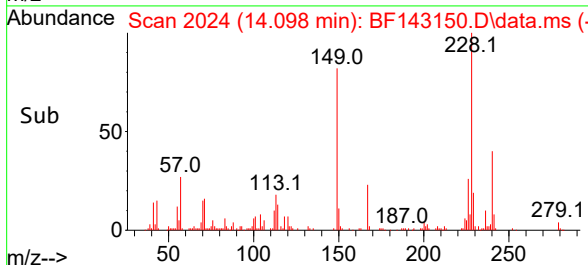
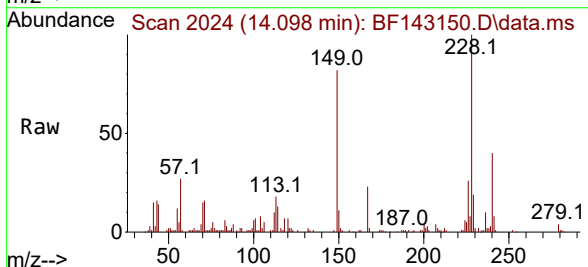
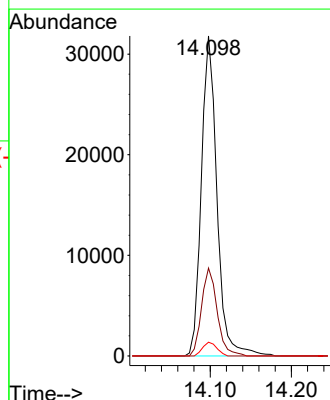
RT: 14.098 min Scan# 2024

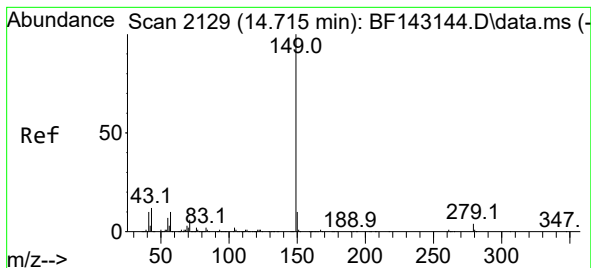
Delta R.T. 0.000 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

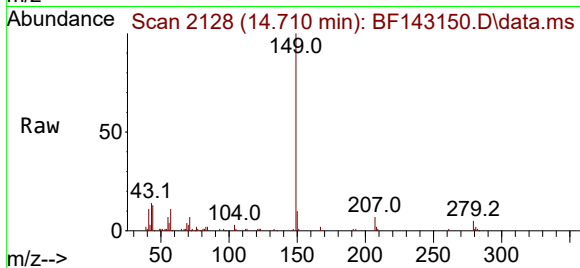
Tgt Ion:149	Resp: 42441
Ion Ratio	Lower Upper
149 100	
167 27.5	22.3 33.5
279 4.3	3.6 5.4





#85
Di-n-octyl phthalate
Concen: 2.938 ng
RT: 14.710 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

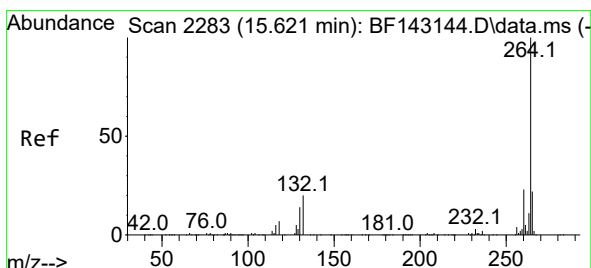
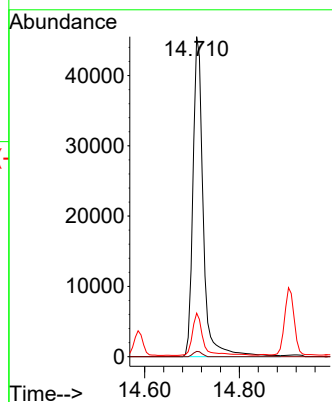
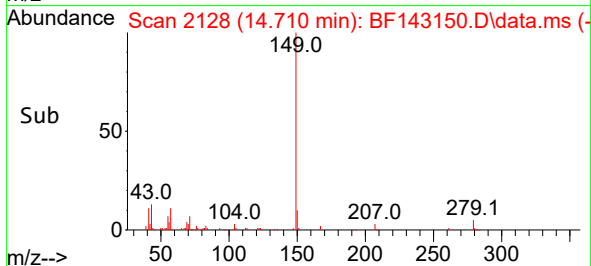
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:149 Resp: 6888
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 13.6 9.7 14.5

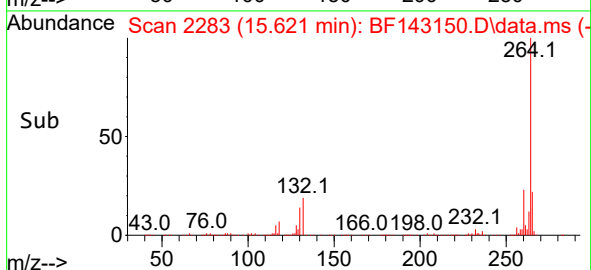
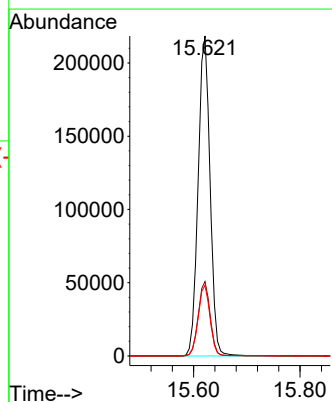
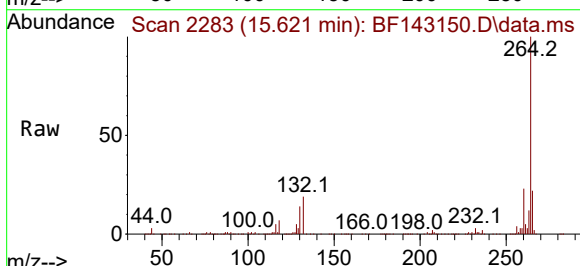
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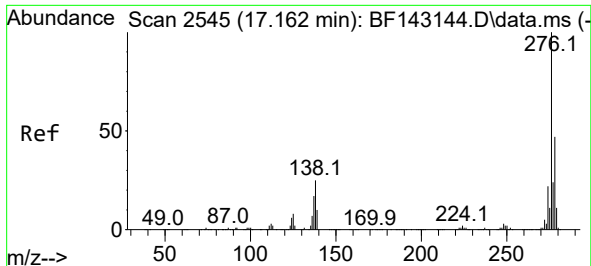
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

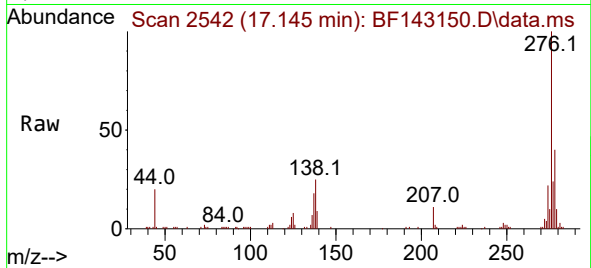
Tgt Ion:264 Resp: 339766
Ion Ratio Lower Upper
264 100
260 23.3 18.5 27.7
265 22.0 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.664 ng
RT: 17.145 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

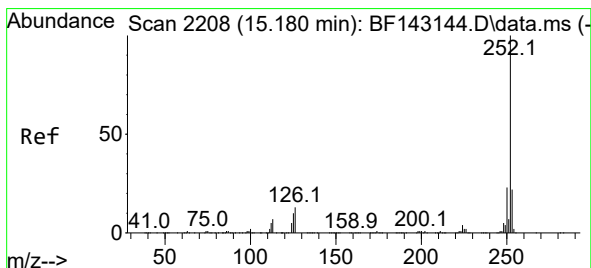
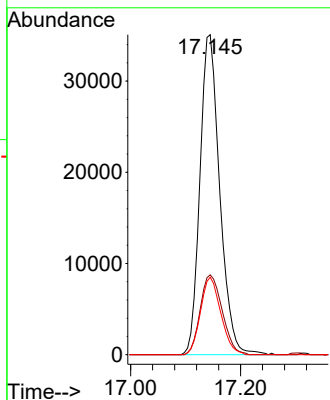
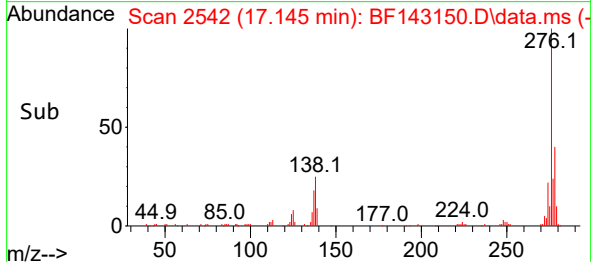
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:276 Resp: 87778
Ion Ratio Lower Upper
276 100
138 27.6 21.8 32.6
277 24.7 20.0 30.0

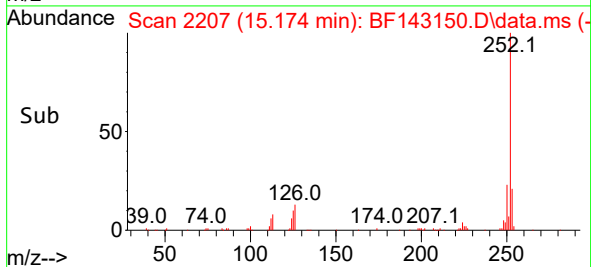
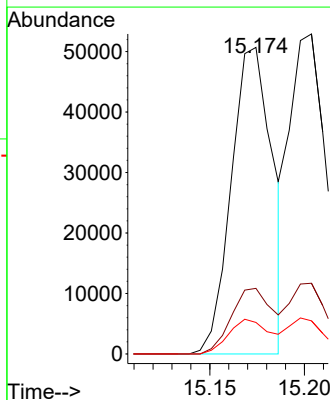
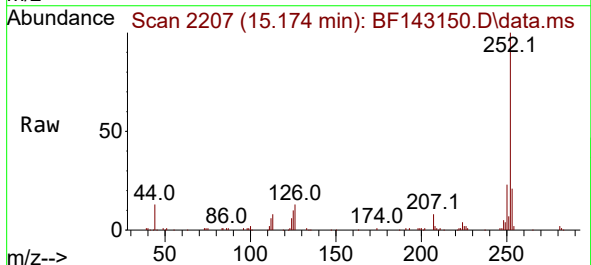
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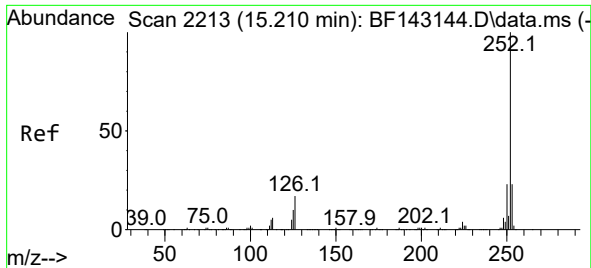
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#88
Benzo(b)fluoranthene
Concen: 3.693 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

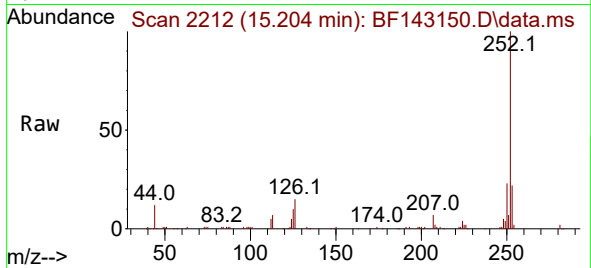
Tgt Ion:252 Resp: 76657
Ion Ratio Lower Upper
252 100
253 21.4 17.5 26.3
125 10.3 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 3.981 ng
RT: 15.204 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

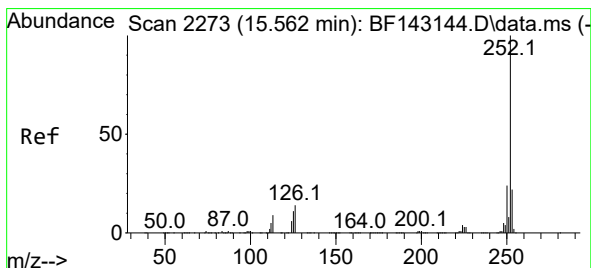
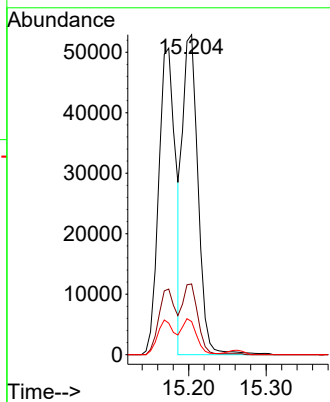
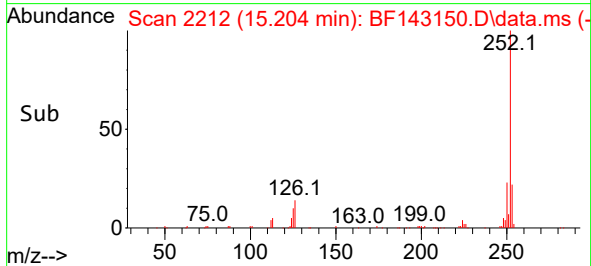
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion:252 Resp: 73738
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 10.3 8.1 12.1

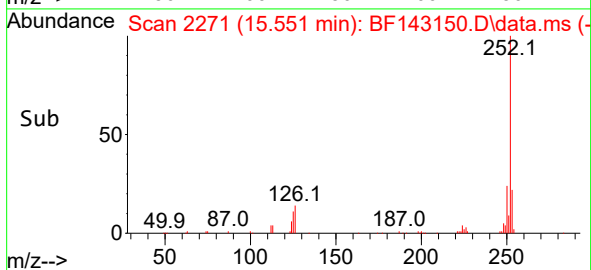
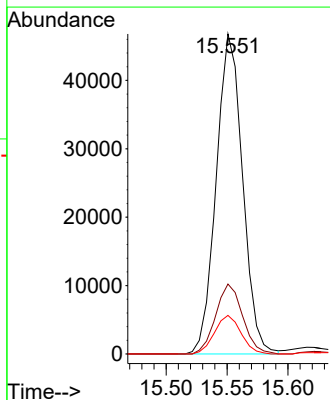
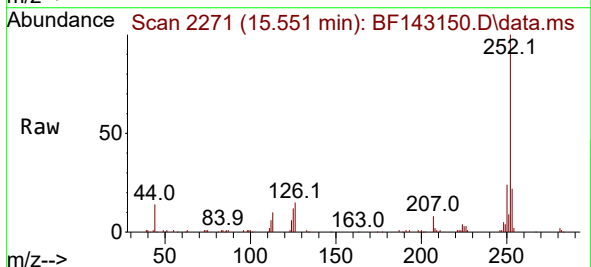
Manual Integrations
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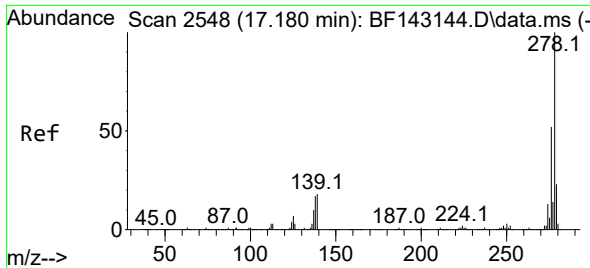
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#90
Benzo(a)pyrene
Concen: 3.691 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

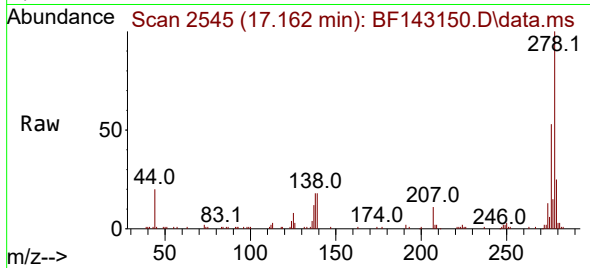
Tgt Ion:252 Resp: 70582
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 12.1 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 3.662 ng
RT: 17.162 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

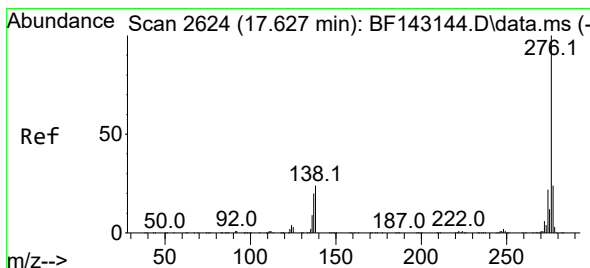
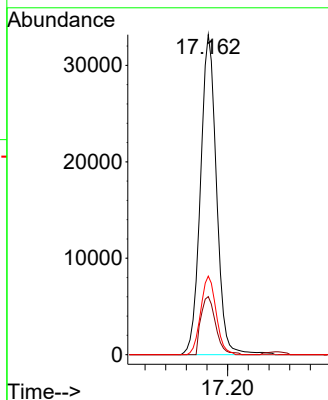
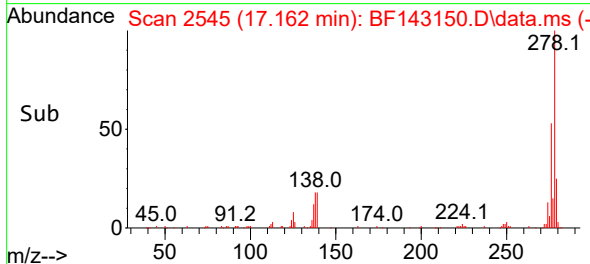
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



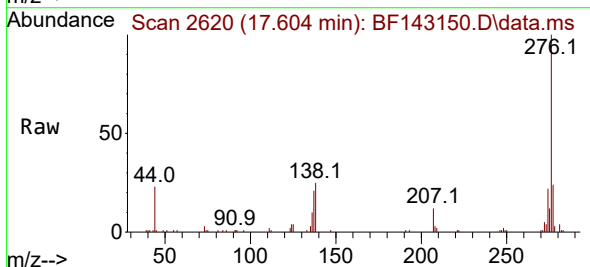
Tgt Ion:278 Resp: 71409
Ion Ratio Lower Upper
278 100
139 18.2 14.1 21.1
279 24.6 18.6 28.0

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: 3.668 ng
RT: 17.604 min Scan# 2620
Delta R.T. -0.023 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06



Tgt Ion:276 Resp: 69195
Ion Ratio Lower Upper
276 100
277 24.4 19.1 28.7
138 24.6 18.9 28.3

