

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
 Data File : BF143225.D
 Acq On : 24 Jul 2025 10:58
 Operator : RC/JU
 Sample : PB168981BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168981BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/25/2025
 Supervised By :Jagrut Upadhyay 07/25/2025

Quant Time: Jul 24 11:51:07 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	112891	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	433128	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	217249	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	356315	20.000	ng	0.00
76) Chrysene-d12	14.121	240	247429	20.000	ng	0.00
86) Perylene-d12	15.621	264	272351	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	812116	113.839	ng	0.02
7) Phenol-d6	6.592	99	1010597	112.547	ng	0.00
23) Nitrobenzene-d5	7.522	82	721913	83.082	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	286511	127.661	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1267827	79.812	ng	0.00
79) Terphenyl-d14	13.063	244	1243011	74.758	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.887	88	119523	35.408	ng	98
3) Pyridine	3.640	79	324000	36.980	ng	98
4) n-Nitrosodimethylamine	3.587	42	189360	41.861	ng	99
6) Aniline	6.622	93	411112	32.851	ng	97
8) 2-Chlorophenol	6.751	128	314377	42.042	ng	97
9) Benzaldehyde	6.510	77	208316	30.939	ng	98
10) Phenol	6.604	94	403880	41.288	ng	93
11) bis(2-Chloroethyl)ether	6.692	93	309170	41.279	ng	98
12) 1,3-Dichlorobenzene	6.904	146	341223	42.006	ng	100
13) 1,4-Dichlorobenzene	6.981	146	345205	42.198	ng	99
14) 1,2-Dichlorobenzene	7.134	146	331871	42.653	ng	99
15) Benzyl Alcohol	7.098	79	288901	42.138	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	567160	40.821	ng	99
17) 2-Methylphenol	7.210	107	257864	41.013	ng	99
18) Hexachloroethane	7.481	117	123530	43.620	ng	97
19) n-Nitroso-di-n-propyla...	7.369	70	233364	40.509	ng	99
20) 3+4-Methylphenols	7.357	107	309326	40.549	ng	# 85
22) Acetophenone	7.363	105	427556	41.695	ng	94
24) Nitrobenzene	7.539	77	350202	43.230	ng	100
25) Isophorone	7.775	82	636631	41.504	ng	100
26) 2-Nitrophenol	7.857	139	170755	48.568	ng	98
27) 2,4-Dimethylphenol	7.892	122	292944	40.876	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	376411	40.928	ng	98
29) 2,4-Dichlorophenol	8.098	162	255756	42.317	ng	99
30) 1,2,4-Trichlorobenzene	8.181	180	280515	42.962	ng	99
31) Naphthalene	8.263	128	901272	42.252	ng	99
32) Benzoic acid	7.998	122	186943	46.490	ng	99
33) 4-Chloroaniline	8.304	127	190309	21.850	ng	99
34) Hexachlorobutadiene	8.386	225	174584	43.770	ng	99
35) Caprolactam	8.669	113	83168m	45.538	ng	
36) 4-Chloro-3-methylphenol	8.786	107	277367	42.223	ng	100
37) 2-Methylnaphthalene	8.957	142	546318	42.088	ng	100
38) 1-Methylnaphthalene	9.057	142	566513	42.383	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	274737	43.802	ng	98
41) Hexachlorocyclopentadiene	9.116	237	374903	91.862	ng	100
43) 2,4,6-Trichlorophenol	9.228	196	186662	43.001	ng	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	189385	43.615	ng	99
46) 1,1'-Biphenyl	9.416	154	742262	43.792	ng	99
47) 2-Chloronaphthalene	9.445	162	540014	43.058	ng	99
48) 2-Nitroaniline	9.533	65	180697	45.944	ng	97
49) Acenaphthylene	9.863	152	904978	43.058	ng	100
50) Dimethylphthalate	9.716	163	621597	43.895	ng	99
51) 2,6-Dinitrotoluene	9.769	165	137364	47.684	ng	99
52) Acenaphthene	10.033	154	584118	47.021	ng	98
53) 3-Nitroaniline	9.939	138	103956	30.852	ng	99
54) 2,4-Dinitrophenol	10.045	184	138522	103.923	ng	# 1
55) Dibenzofuran	10.204	168	781008	42.346	ng	99
56) 4-Nitrophenol	10.098	139	233951	92.980	ng	99
57) 2,4-Dinitrotoluene	10.175	165	184944	51.172	ng	96
58) Fluorene	10.545	166	602049	43.494	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	149060	41.441	ng	99
60) Diethylphthalate	10.416	149	629374	44.966	ng	100
61) 4-Chlorophenyl-phenyle...	10.533	204	306641	44.489	ng	98
62) 4-Nitroaniline	10.557	138	137898	47.751	ng	99
63) Azobenzene	10.698	77	628306	43.071	ng	99
65) 4,6-Dinitro-2-methylph...	10.586	198	94578	50.336	ng	96
66) n-Nitrosodiphenylamine	10.651	169	531780	42.383	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	184844	43.530	ng	99
68) Hexachlorobenzene	11.098	284	193123	43.513	ng	99
69) Atrazine	11.175	200	169546	49.015	ng	100
70) Pentachlorophenol	11.286	266	165497	63.407	ng	99
71) Phenanthrene	11.510	178	826104	43.665	ng	100
72) Anthracene	11.563	178	846791	43.885	ng	100
73) Carbazole	11.710	167	767306	45.541	ng	100
74) Di-n-butylphthalate	12.039	149	946624	49.654	ng	99
75) Fluoranthene	12.698	202	850154	48.957	ng	99
77) Benzidine	12.810	184	456845	47.924	ng	98
78) Pyrene	12.927	202	847736	40.145	ng	99
80) Butylbenzylphthalate	13.539	149	354124	54.765	ng	96
81) Benzo(a)anthracene	14.110	228	714110	43.108	ng	100
82) 3,3'-Dichlorobenzidine	14.068	252	149301	27.042	ng	99
83) Chrysene	14.151	228	673878	45.245	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	483284	49.379	ng	99
85) Di-n-octyl phthalate	14.710	149	821338	46.297	ng	99
87) Indeno(1,2,3-cd)pyrene	17.168	276	850172	44.270	ng	98
88) Benzo(b)fluoranthene	15.180	252	770576	46.314	ng	99
89) Benzo(k)fluoranthene	15.210	252	631185	42.512	ng	100
90) Benzo(a)pyrene	15.562	252	690330	45.033	ng	100
91) Dibenzo(a,h)anthracene	17.186	278	692677	44.314	ng	98
92) Benzo(g,h,i)perylene	17.633	276	681897	45.098	ng	99

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

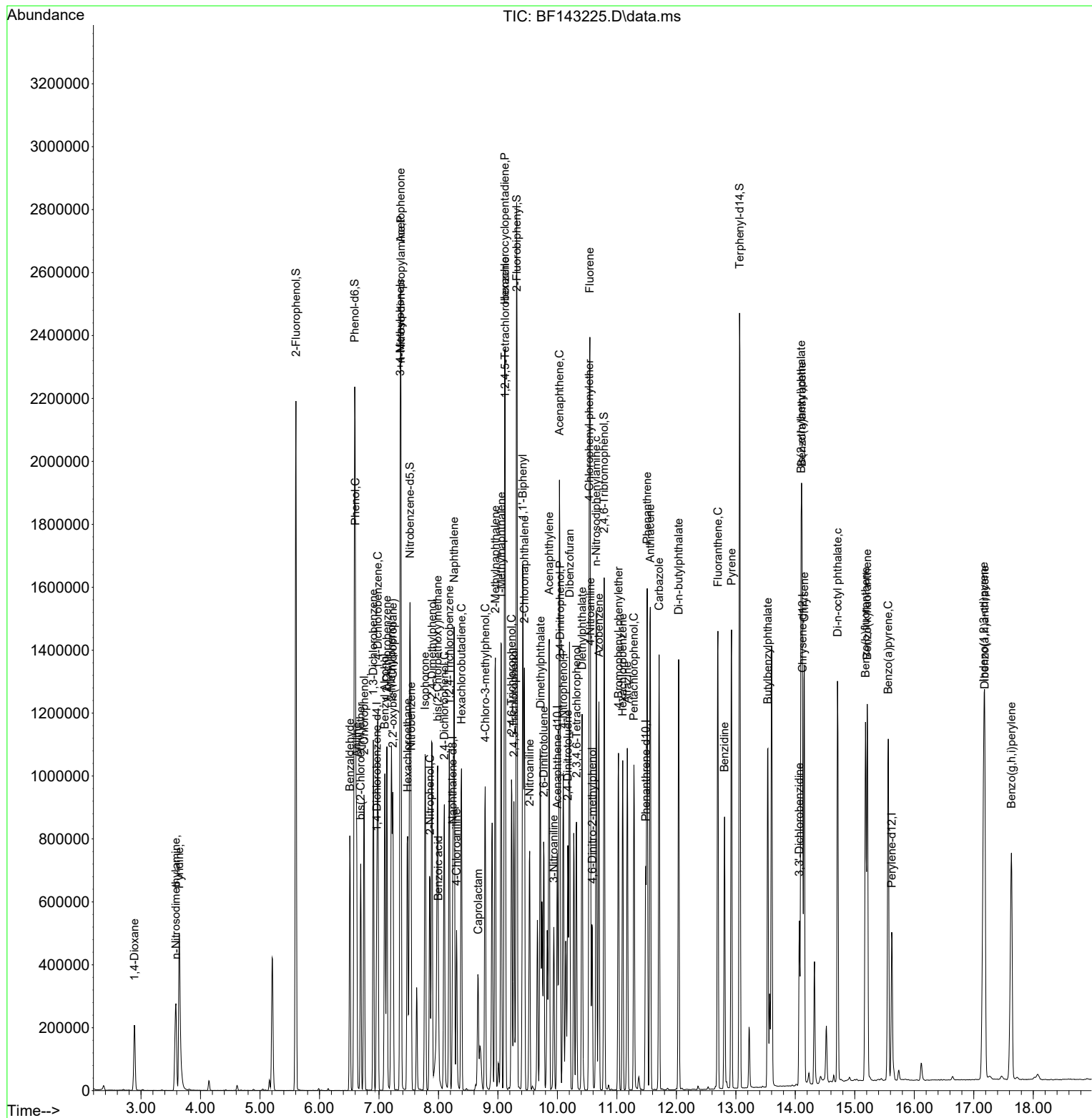
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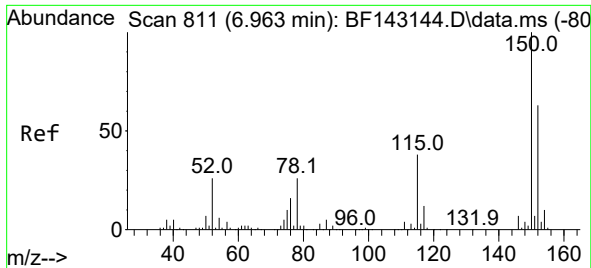
Instrument :
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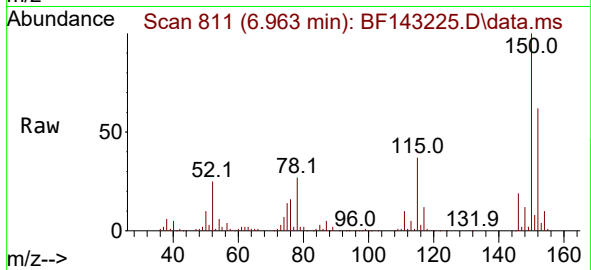
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

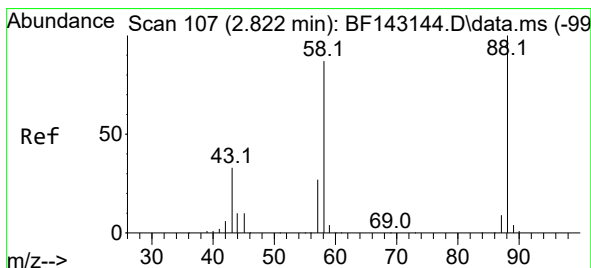
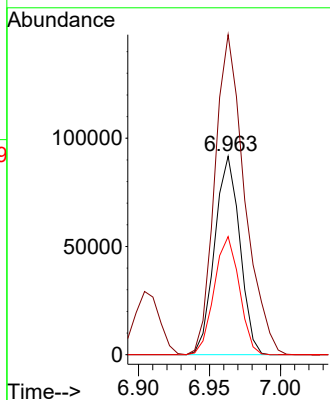
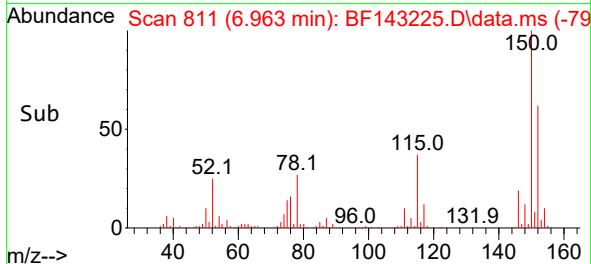
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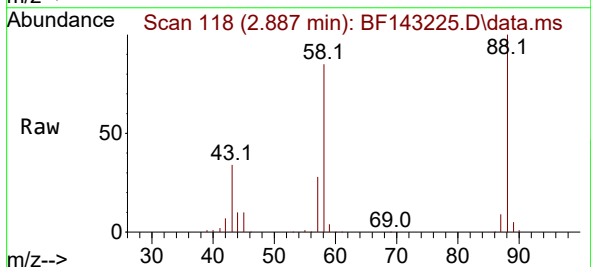
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Ion Ratio Lower Upper
152 100
150 161.3 128.2 192.4
115 59.5 47.9 71.9

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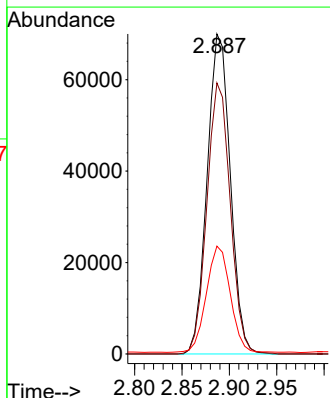
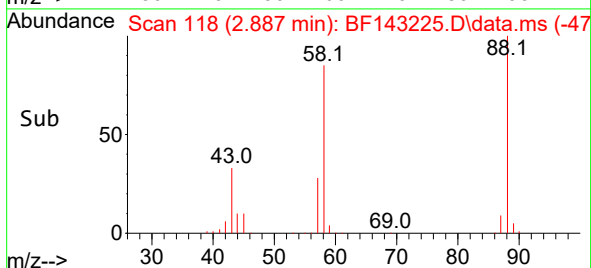
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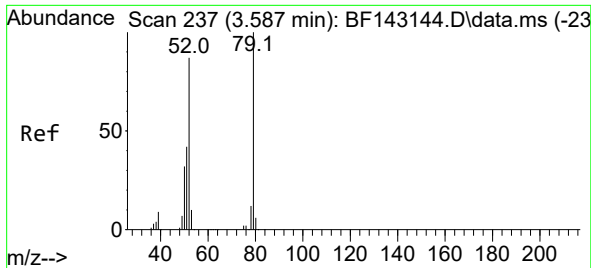


#2
1,4-Dioxane
Concen: 35.408 ng
RT: 2.887 min Scan# 118
Delta R.T. 0.065 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58



Tgt Ion: 88 Resp: 119523
Ion Ratio Lower Upper
88 100
58 85.4 70.2 105.2
43 34.3 27.1 40.7





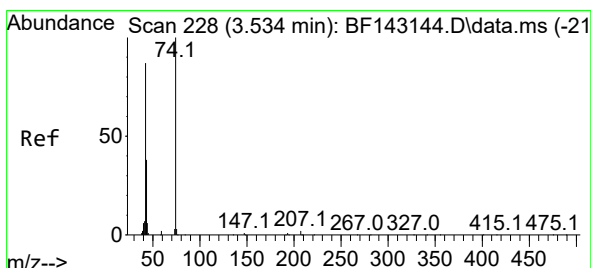
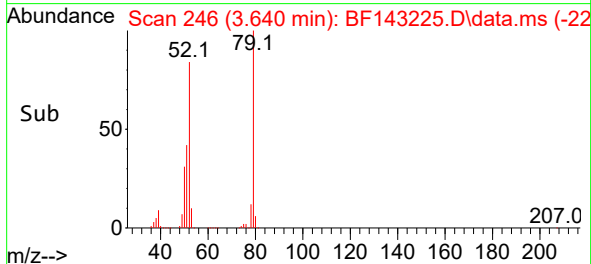
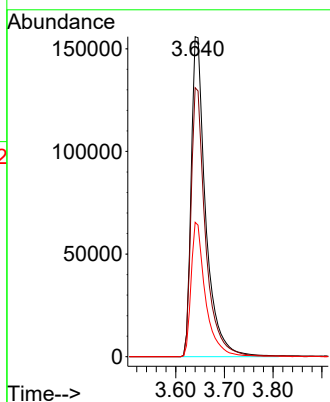
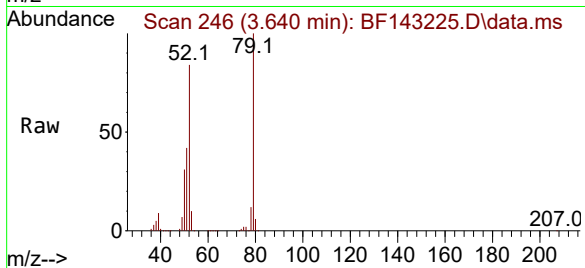
#3
Pyridine
Concen: 36.980 ng
RT: 3.640 min Scan# 246
Delta R.T. 0.053 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Instrument :
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ClientSampleId :
PB168981BS

Tgt Ion: 79 Resp: 324000
Ion Ratio Lower Upper
79 100
52 84.1 69.4 104.2
51 42.0 33.5 50.3

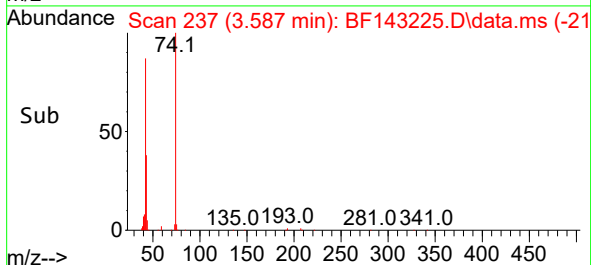
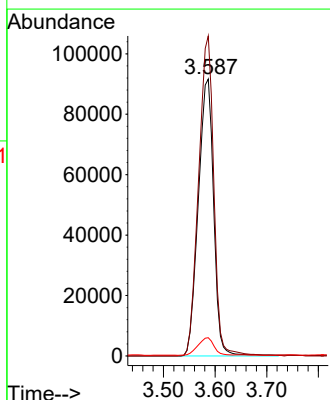
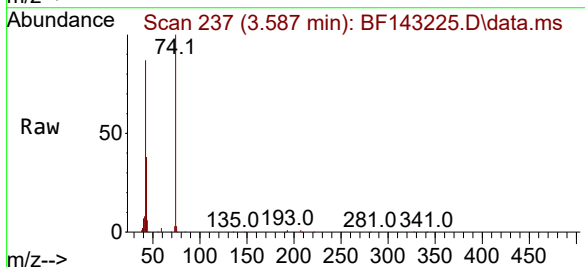
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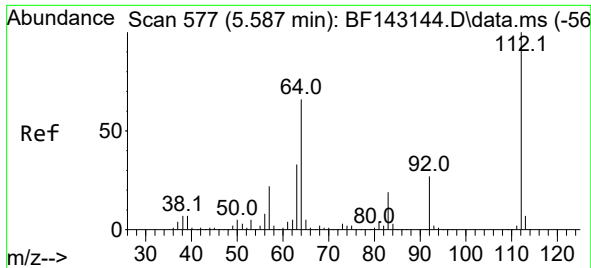
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#4
n-Nitrosodimethylamine
Concen: 41.861 ng
RT: 3.587 min Scan# 237
Delta R.T. 0.053 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Tgt Ion: 42 Resp: 189360
Ion Ratio Lower Upper
42 100
74 115.6 91.7 137.5
44 6.6 5.6 8.4





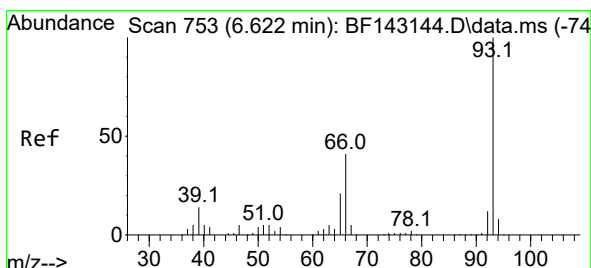
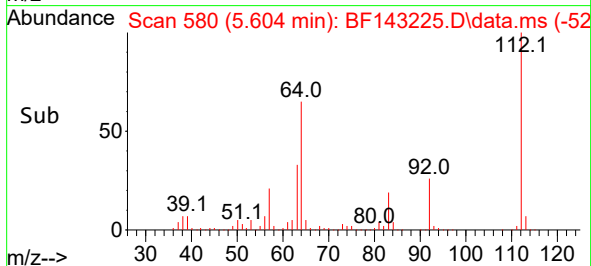
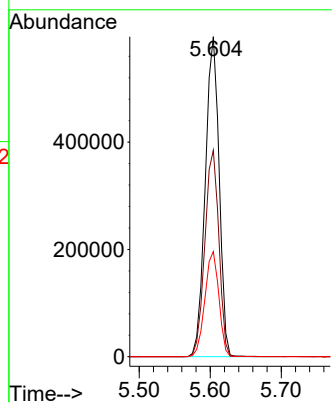
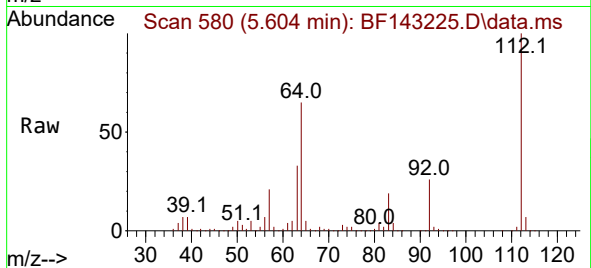
#5
2-Fluorophenol
Concen: 113.839 ng
RT: 5.604 min Scan# 577
Delta R.T. 0.018 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB168981BS

Tgt Ion:112 Resp: 812110
Ion Ratio Lower Upper
112 100
64 64.5 53.1 79.7
63 32.9 26.6 40.0

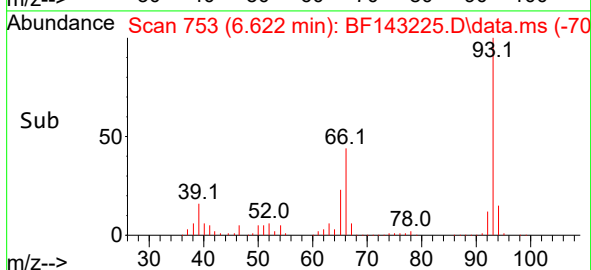
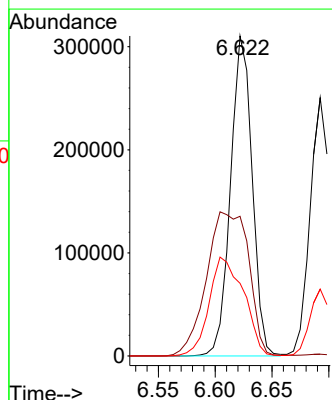
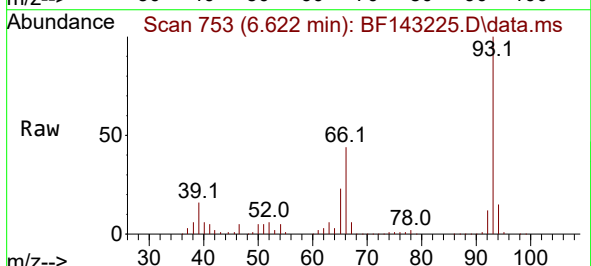
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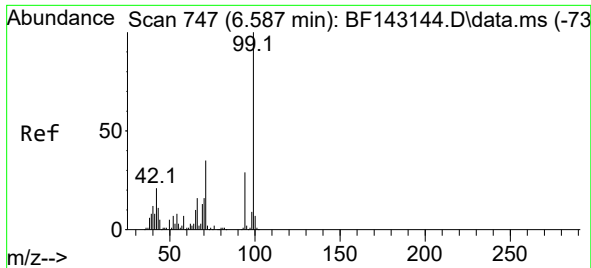
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#6
Aniline
Concen: 32.851 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

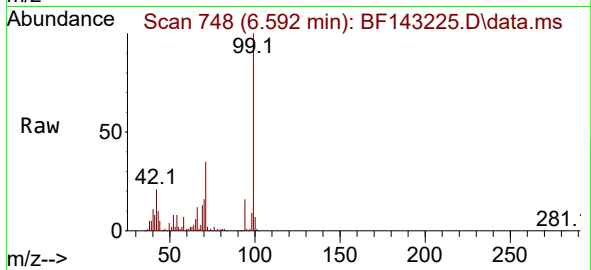
Tgt Ion: 93 Resp: 411112
Ion Ratio Lower Upper
93 100
66 43.6 33.2 49.8
65 22.7 16.9 25.3





#7
Phenol-d6
Concen: 112.547 ng
RT: 6.592 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

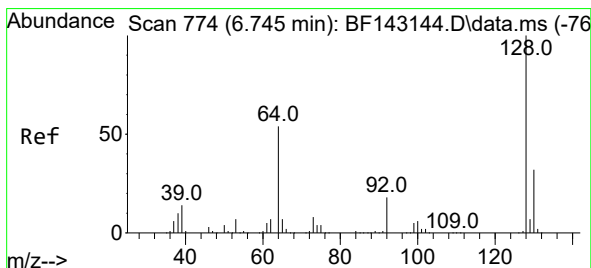
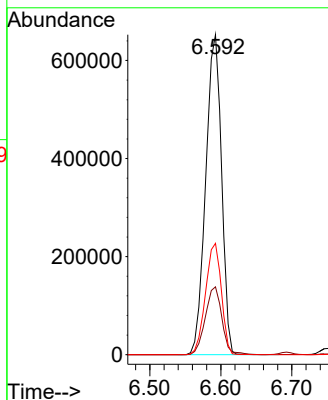
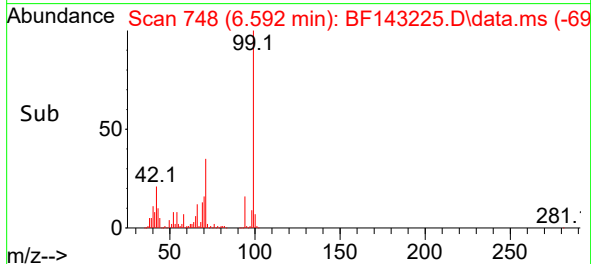
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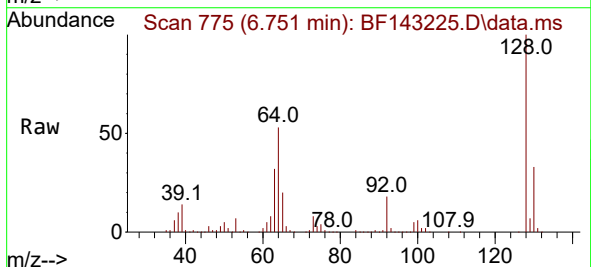
Tgt Ion: 99 Resp: 101059
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 34.8 27.7 41.5

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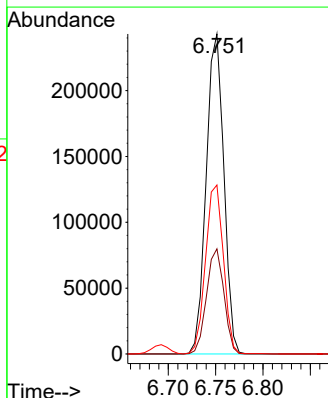
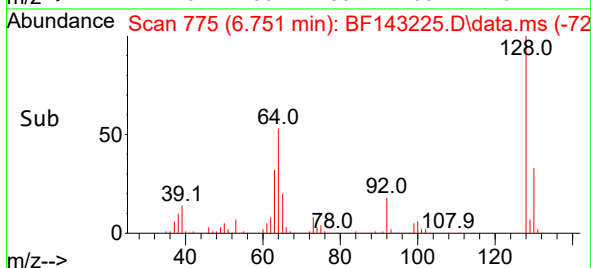
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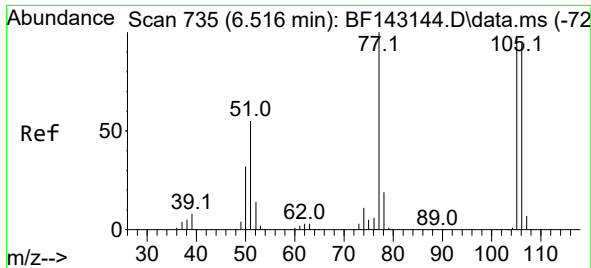


#8
2-Chlorophenol
Concen: 42.042 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58



Tgt Ion:128 Resp: 314377
Ion Ratio Lower Upper
128 100
130 32.8 12.3 52.3
64 52.8 35.9 75.9





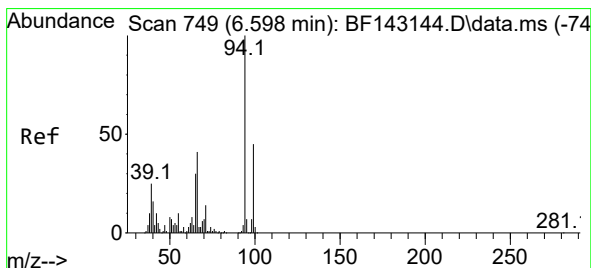
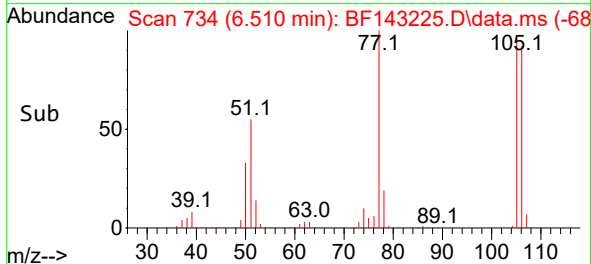
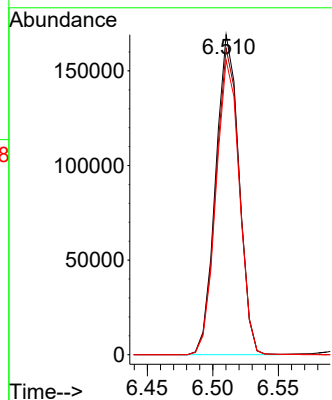
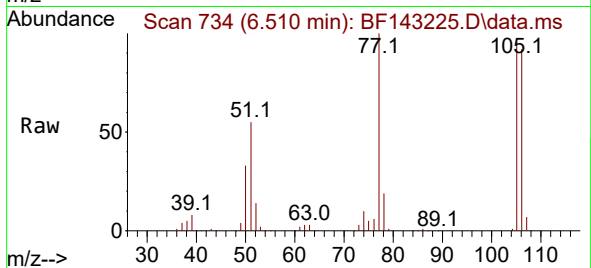
#9
Benzaldehyde
Concen: 30.939 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

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Tgt Ion: 77 Resp: 208310
Ion Ratio Lower Upper
77 100
105 95.7 76.8 116.8
106 92.1 74.4 114.4

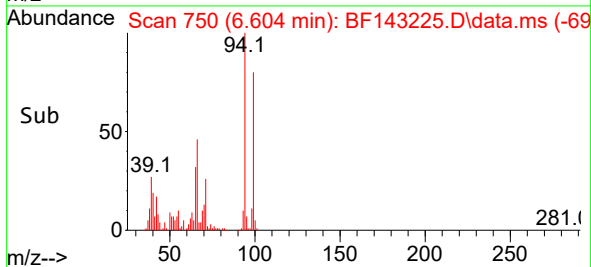
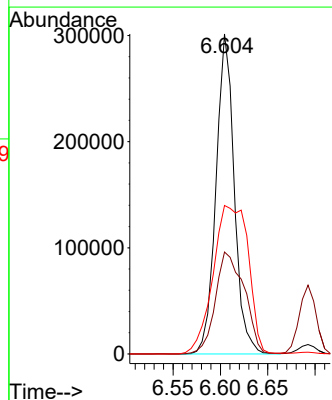
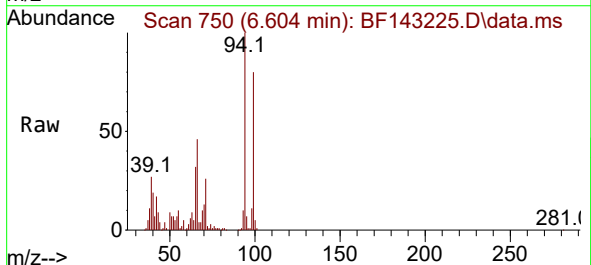
Manual Integrations
APPROVED

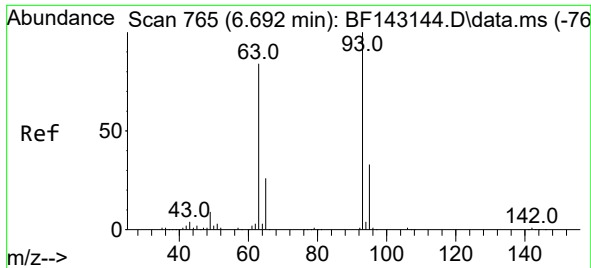
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#10
Phenol
Concen: 41.288 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Tgt Ion: 94 Resp: 403880
Ion Ratio Lower Upper
94 100
65 31.8 10.0 50.0
66 46.4 20.8 60.8





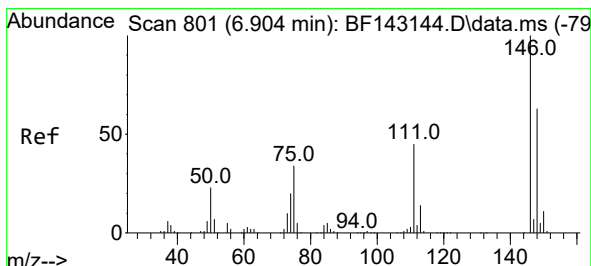
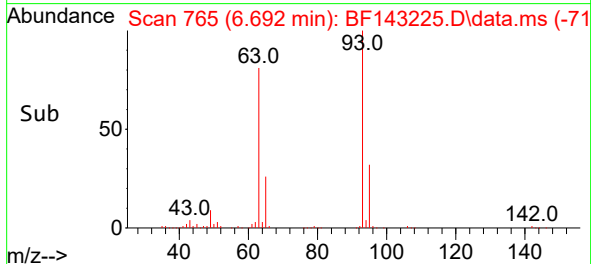
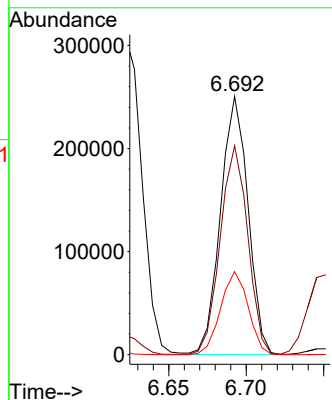
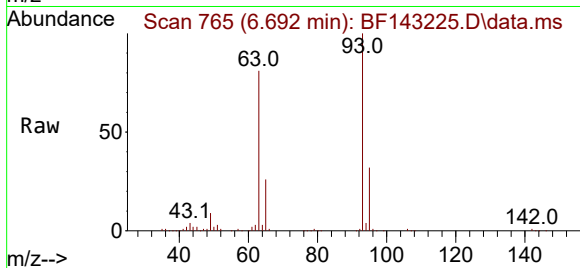
#11
bis(2-Chloroethyl)ether
Concen: 41.279 ng
RT: 6.692 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB168981BS

Tgt Ion: 93 Resp: 309170
Ion Ratio Lower Upper
93 100
63 80.9 63.4 103.4
95 32.1 12.4 52.4

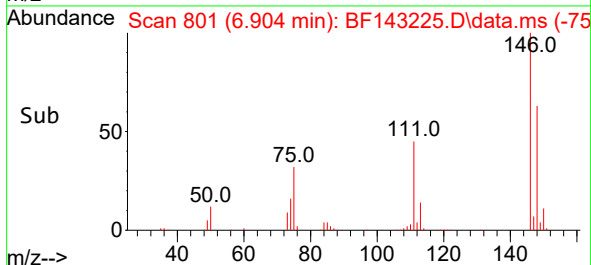
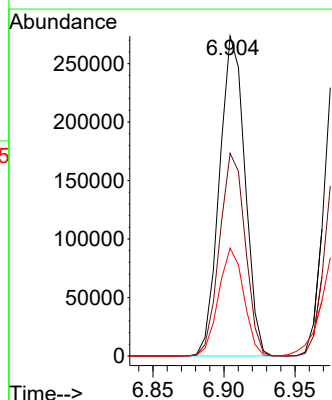
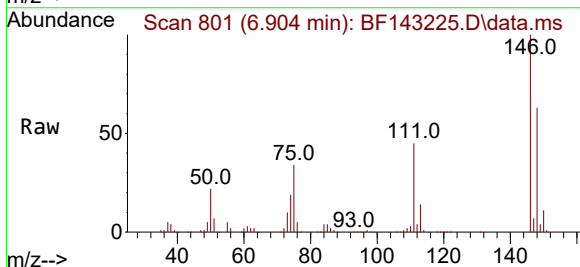
Manual Integrations
APPROVED

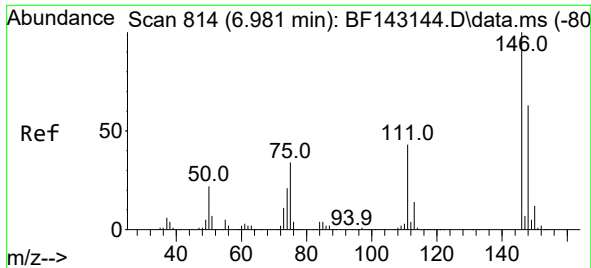
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#12
1,3-Dichlorobenzene
Concen: 42.006 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Tgt Ion:146 Resp: 341223
Ion Ratio Lower Upper
146 100
148 63.3 50.6 76.0
75 33.7 27.4 41.2





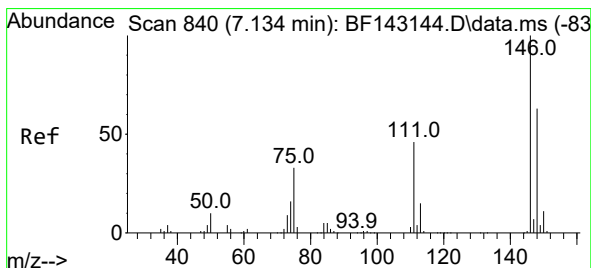
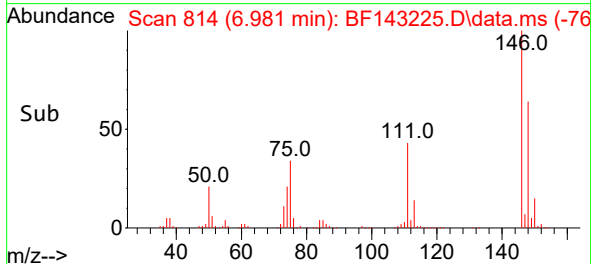
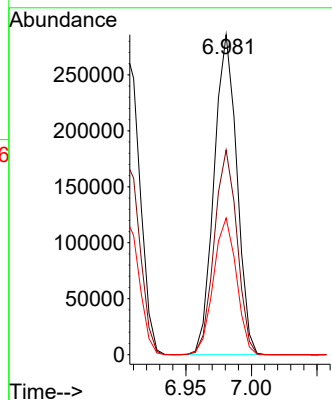
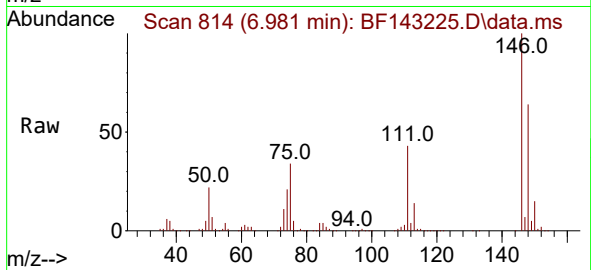
#13
1,4-Dichlorobenzene
Concen: 42.198 ng
RT: 6.981 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB168981BS

Tgt Ion:146 Resp: 34520
Ion Ratio Lower Upper
146 100
148 64.0 50.3 75.5
111 42.7 34.4 51.6

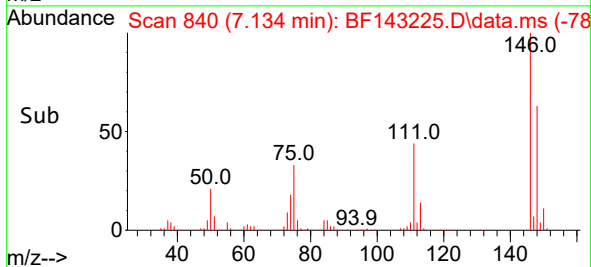
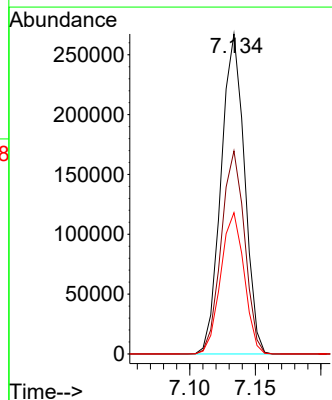
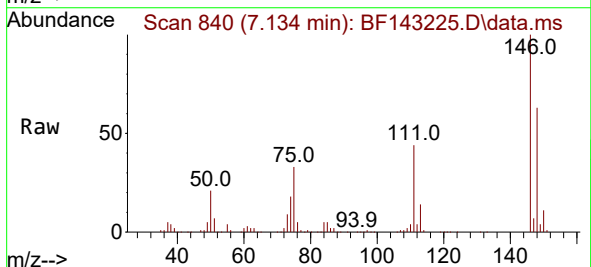
Manual Integrations
APPROVED

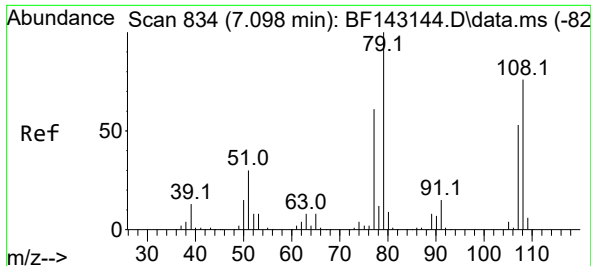
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#14
1,2-Dichlorobenzene
Concen: 42.653 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

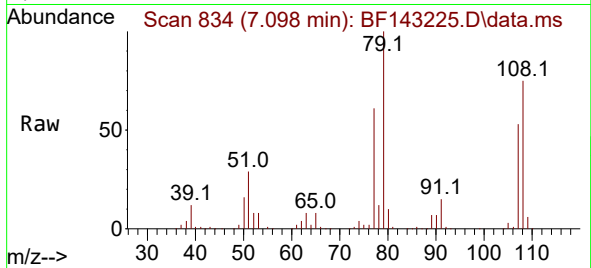
Tgt Ion:146 Resp: 331871
Ion Ratio Lower Upper
146 100
148 63.5 50.7 76.1
111 44.2 36.6 54.8





#15
Benzyl Alcohol
Concen: 42.138 ng
RT: 7.098 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

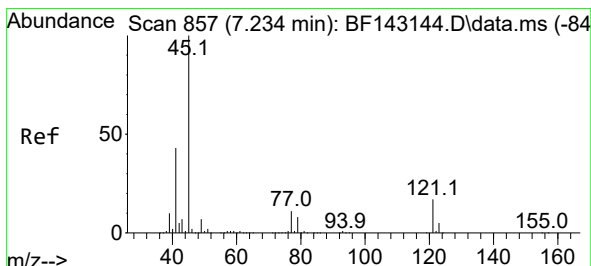
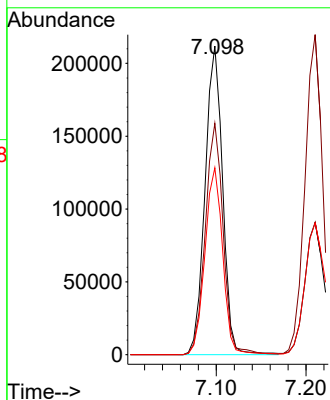
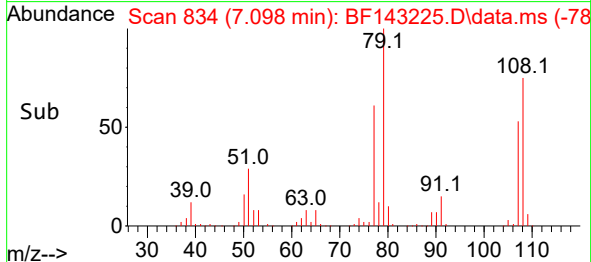
Instrument :
BNA_F
ClientSampleId :
PB168981BS



Tgt Ion: 79 Resp: 28890
Ion Ratio Lower Upper
79 100
108 74.9 61.1 91.7
77 60.5 48.9 73.3

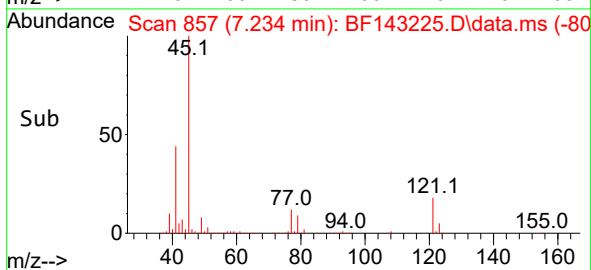
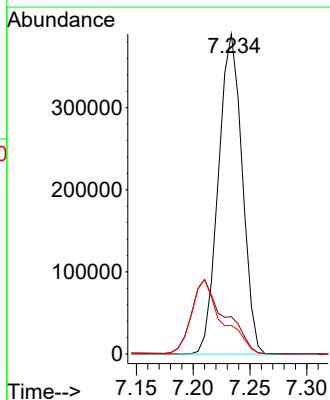
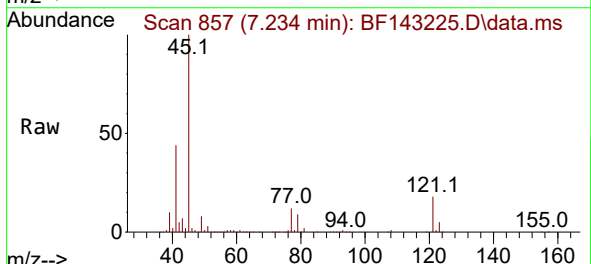
Manual Integrations
APPROVED

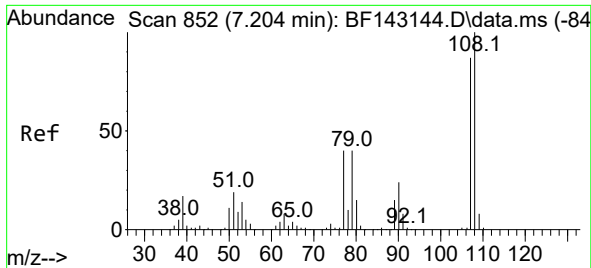
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.821 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Tgt Ion: 45 Resp: 567160
Ion Ratio Lower Upper
45 100
77 11.7 0.0 31.2
79 8.9 0.0 28.5





#17
2-Methylphenol
Concen: 41.013 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Instrument :

BNA_F

ClientSampleId :

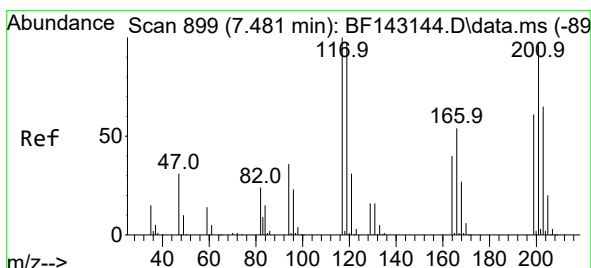
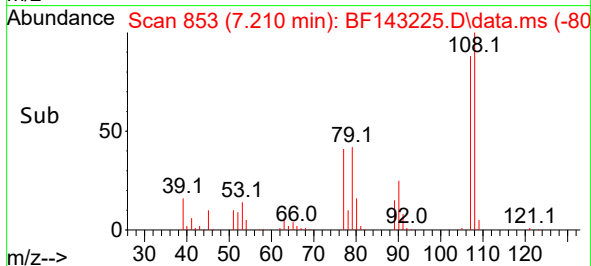
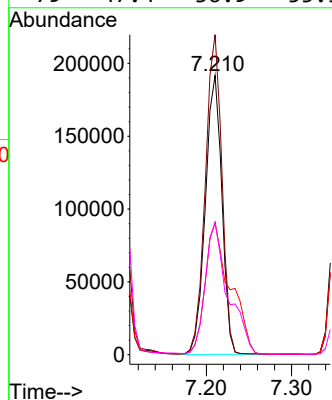
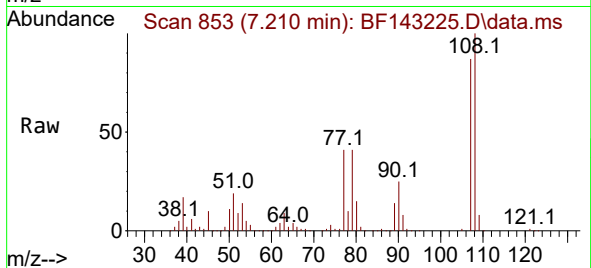
PB168981BS

Tgt Ion:107 Resp: 257864
Ion Ratio Lower Upper
107 100
108 114.6 91.8 137.6
77 47.3 37.0 55.6
79 47.4 36.9 55.3

Manual Integrations

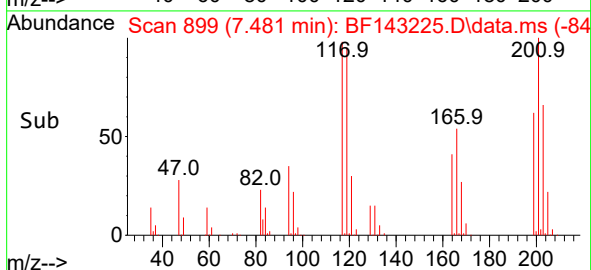
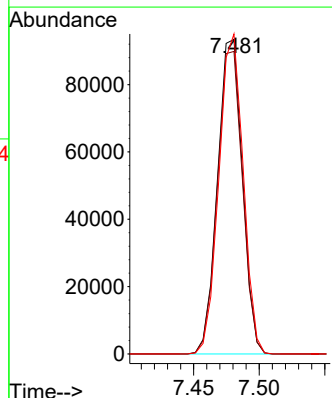
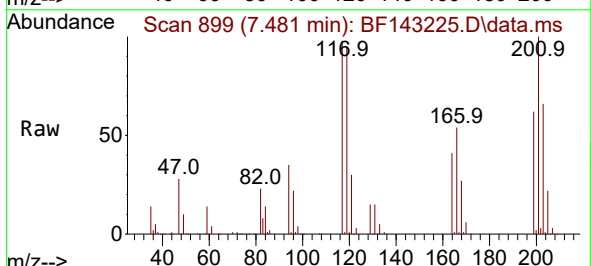
APPROVED

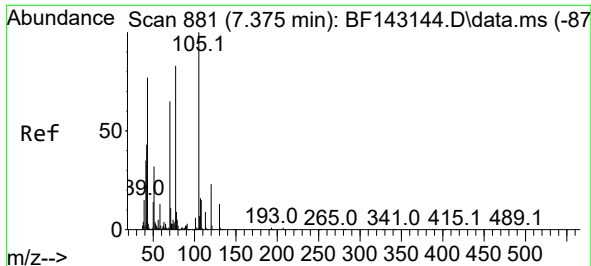
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#18
Hexachloroethane
Concen: 43.620 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Tgt Ion:117 Resp: 123530
Ion Ratio Lower Upper
117 100
119 96.2 77.8 116.8
201 101.7 77.0 115.4





#19
n-Nitroso-di-n-propylamine
Concen: 40.509 ng
RT: 7.369 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB168981BS

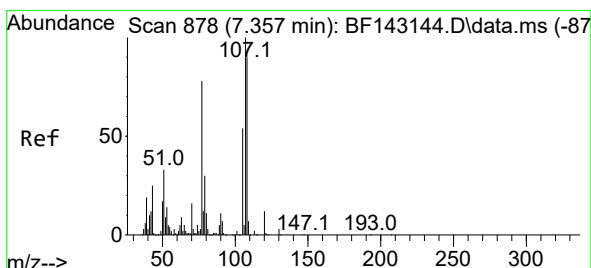
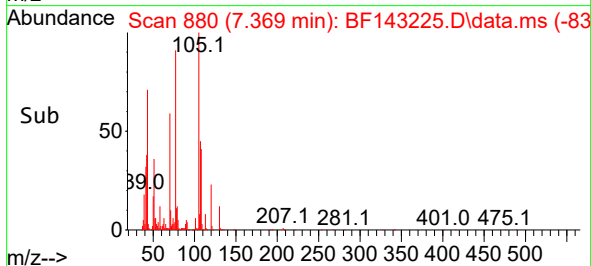
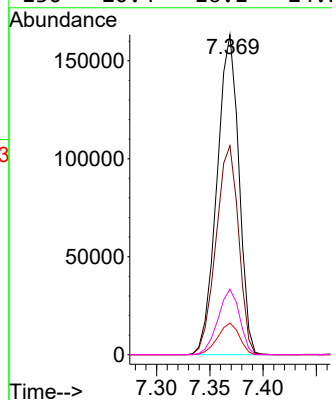
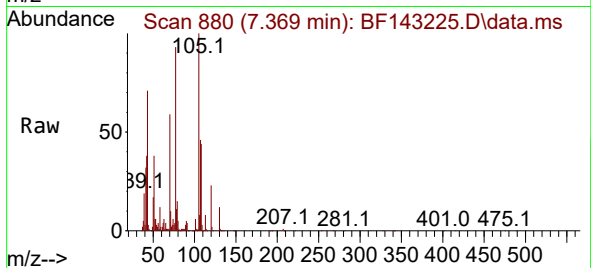
Tgt Ion: 70 Resp: 233364
Ion Ratio Lower Upper
70 100
42 65.3 52.5 78.7
101 9.9 7.6 11.4
130 20.4 16.1 24.1

Manual Integrations

APPROVED

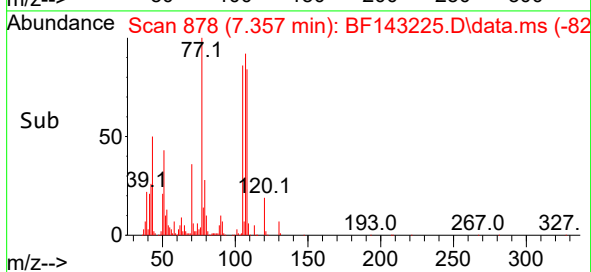
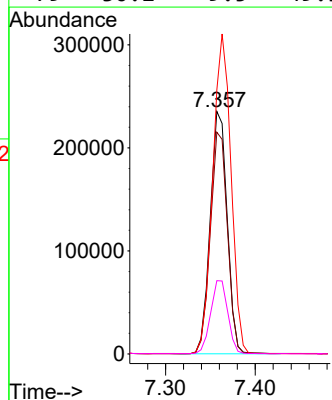
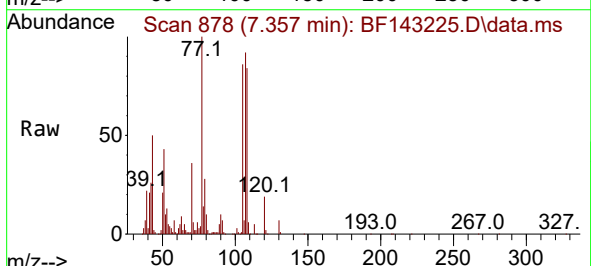
Reviewed By :Rahul Chavli 07/25/2025

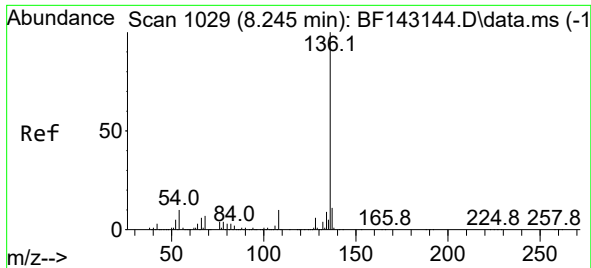
Supervised By :Jagrut Upadhyay 07/25/2025



#20
3+4-Methylphenols
Concen: 40.549 ng
RT: 7.357 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Tgt Ion:107 Resp: 309326
Ion Ratio Lower Upper
107 100
108 91.4 70.0 110.0
77 108.8 57.8 97.8#
79 30.2 9.5 49.5





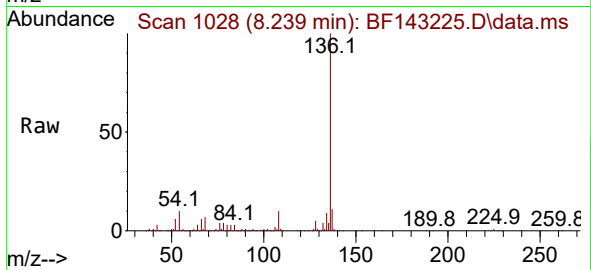
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Instrument :

BNF_F

ClientSampleId :

PB168981BS



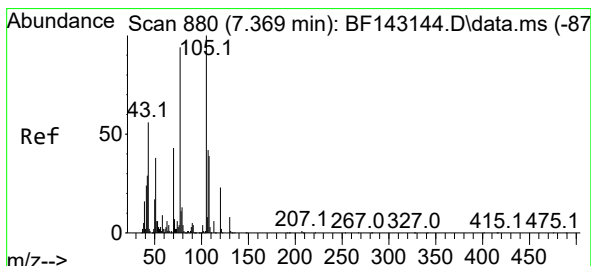
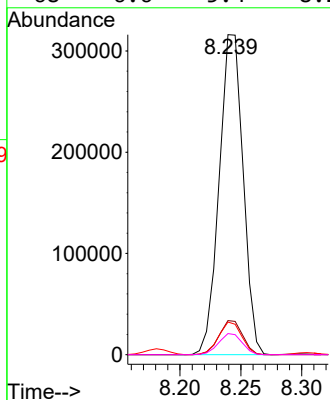
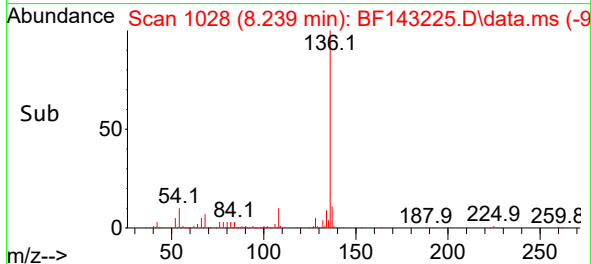
Tgt Ion:136 Resp: 433128
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 10.2 8.2 12.2
68 6.6 5.4 8.2

Manual Integrations

APPROVED

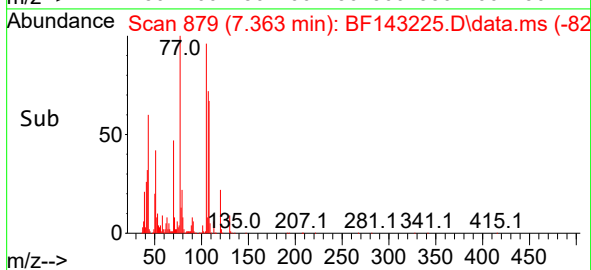
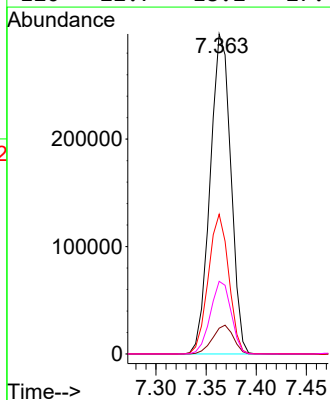
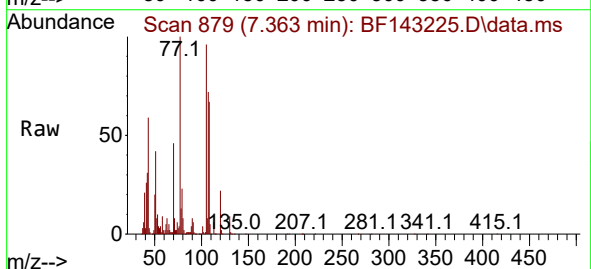
Reviewed By :Rahul Chavli 07/25/2025

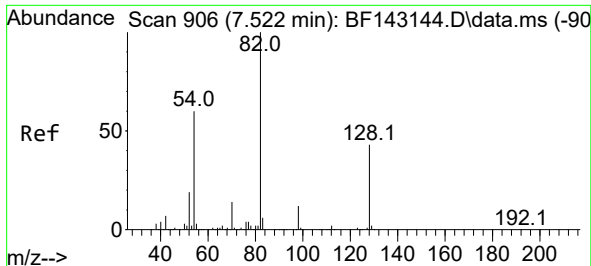
Supervised By :Jagrut Upadhyay 07/25/2025



#22
Acetophenone
Concen: 41.695 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

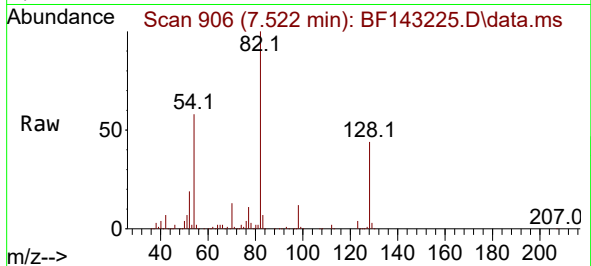
Tgt Ion:105 Resp: 427556
Ion Ratio Lower Upper
105 100
71 8.0 5.8 8.6
51 43.6 30.2 45.2
120 22.7 18.2 27.4





#23
Nitrobenzene-d5
Concen: 83.082 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

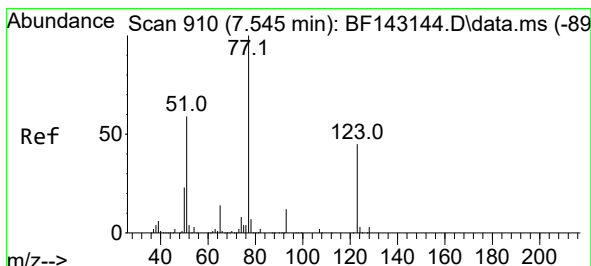
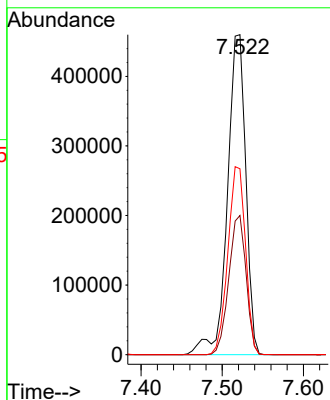
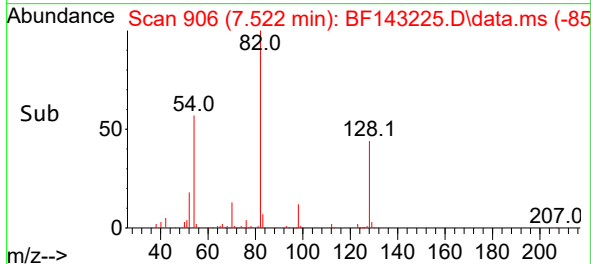
Instrument :
BNA_F
ClientSampleId :
PB168981BS



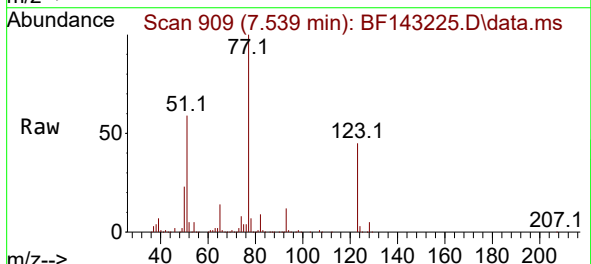
Tgt Ion: 82 Resp: 721911
Ion Ratio Lower Upper
82 100
128 43.5 33.6 50.4
54 58.1 47.1 70.7

Manual Integrations
APPROVED

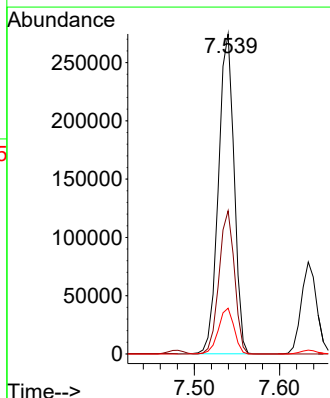
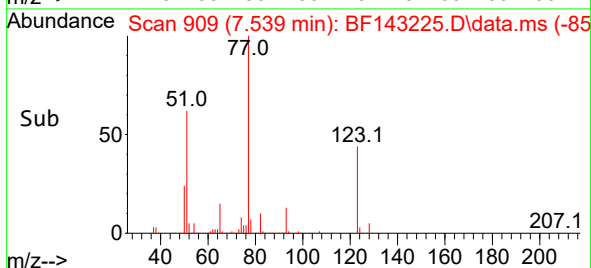
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

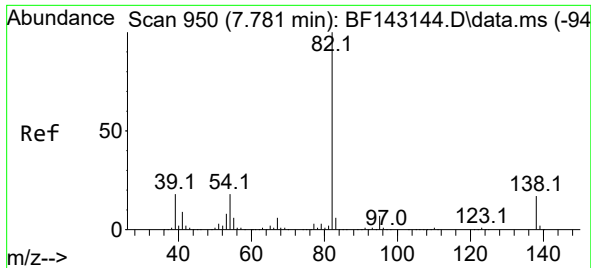


#24
Nitrobenzene
Concen: 43.230 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58



Tgt Ion: 77 Resp: 350202
Ion Ratio Lower Upper
77 100
123 44.8 36.1 54.1
65 14.3 11.4 17.2





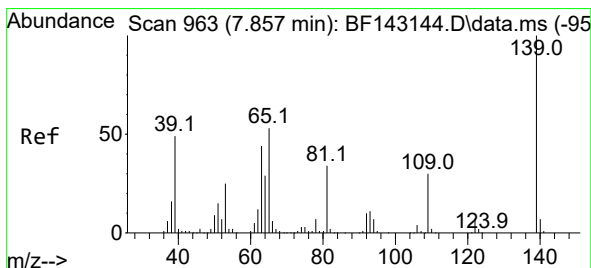
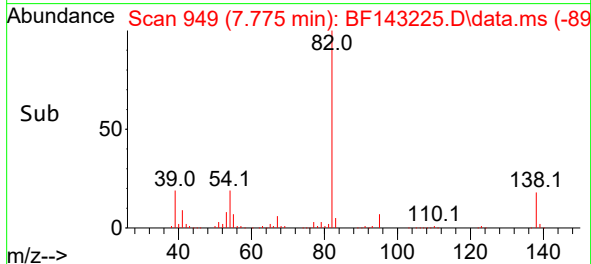
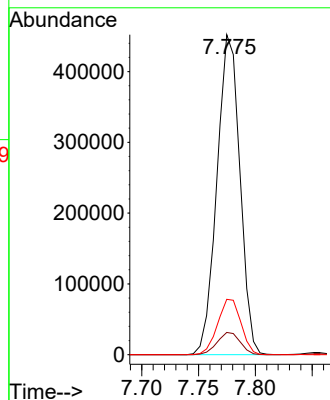
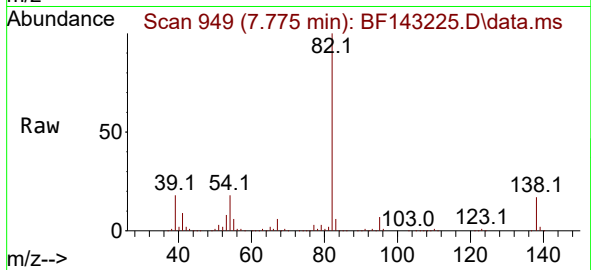
#25
Isophorone
Concen: 41.504 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB168981BS

Tgt Ion: 82 Resp: 63663
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 17.3 13.8 20.8

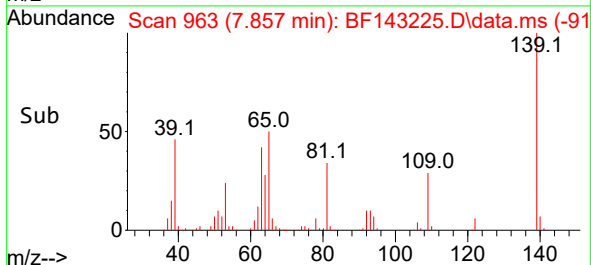
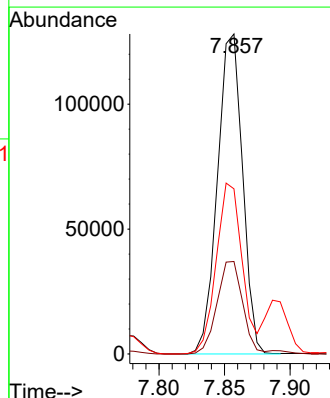
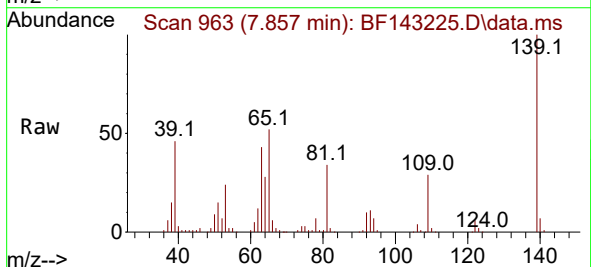
Manual Integrations
APPROVED

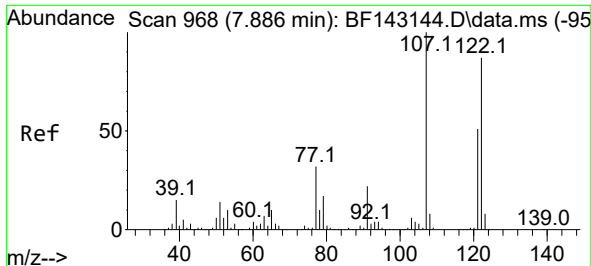
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#26
2-Nitrophenol
Concen: 48.568 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Tgt Ion:139 Resp: 170755
Ion Ratio Lower Upper
139 100
109 28.9 23.6 35.4
65 51.6 42.6 64.0





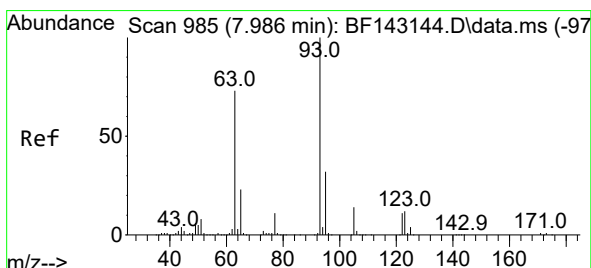
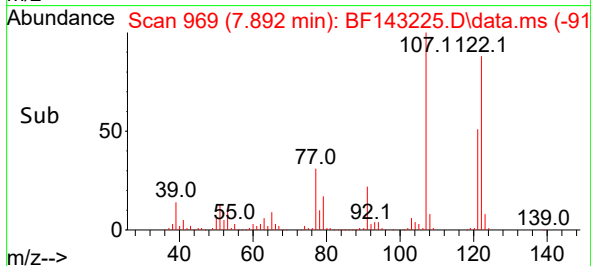
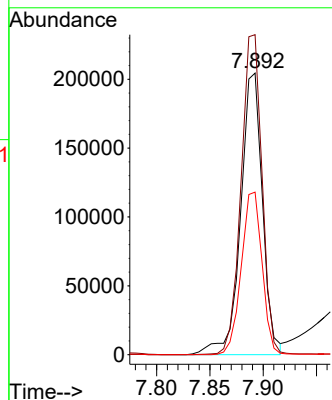
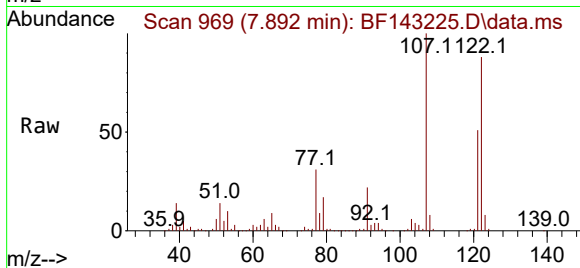
#27
2,4-Dimethylphenol
Concen: 40.876 ng
RT: 7.892 min Scan# 90
Delta R.T. 0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB168981BS

Tgt Ion:122 Resp: 292944
Ion Ratio Lower Upper
122 100
107 113.6 91.8 137.6
121 57.7 46.3 69.5

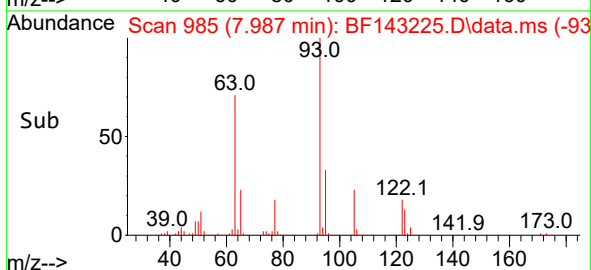
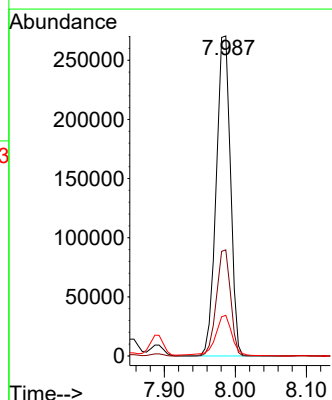
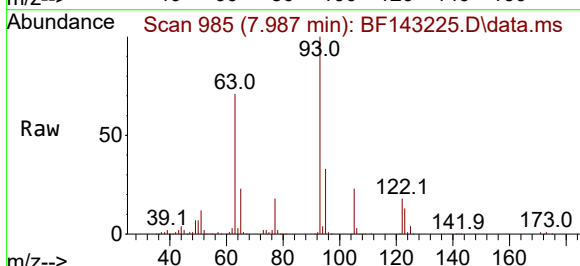
Manual Integrations
APPROVED

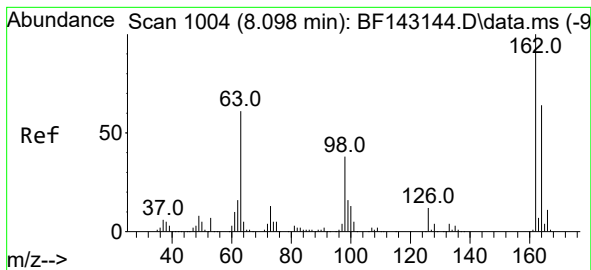
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#28
bis(2-Chloroethoxy)methane
Concen: 40.928 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

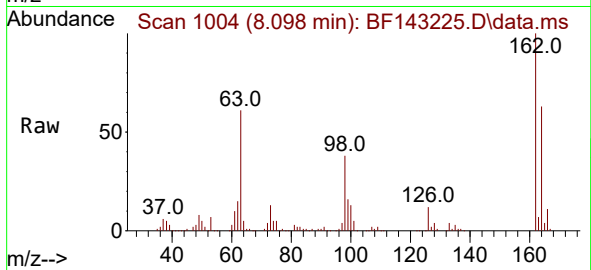
Tgt Ion: 93 Resp: 376411
Ion Ratio Lower Upper
93 100
95 33.2 25.8 38.6
123 12.7 9.7 14.5





#29
2,4-Dichlorophenol
Concen: 42.317 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

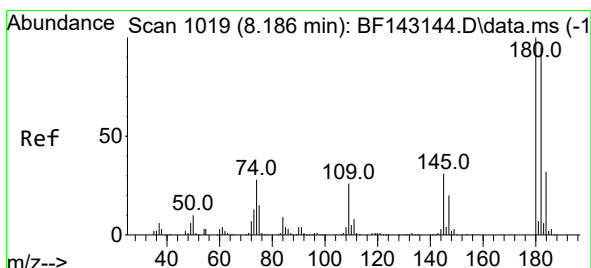
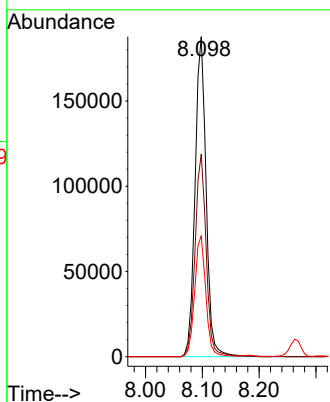
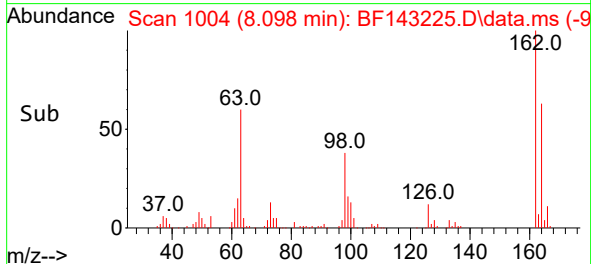
Instrument :
BNA_F
ClientSampleId :
PB168981BS



Tgt Ion:162 Resp: 255750
Ion Ratio Lower Upper
162 100
164 63.3 44.2 84.2
98 37.7 17.9 57.9

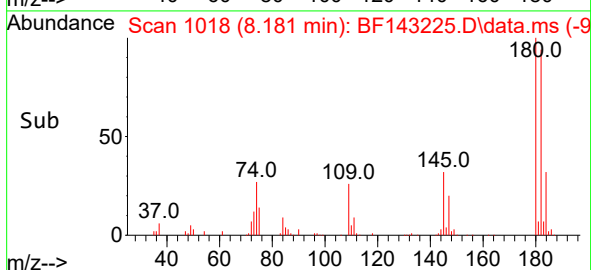
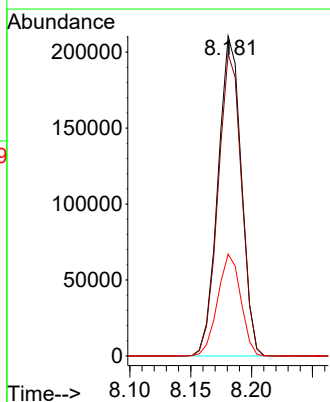
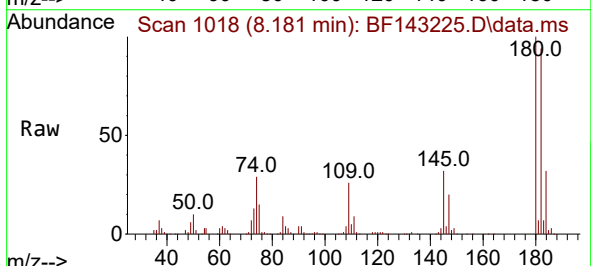
Manual Integrations
APPROVED

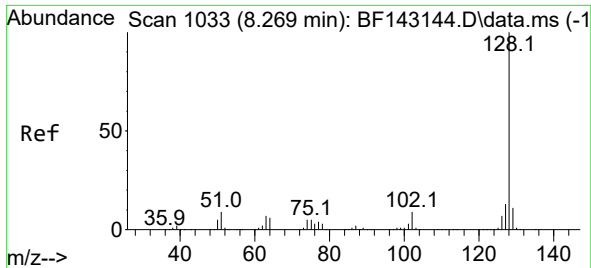
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#30
1,2,4-Trichlorobenzene
Concen: 42.962 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

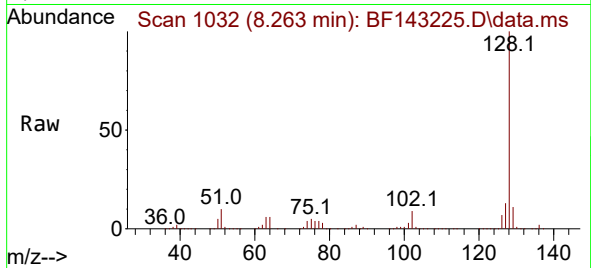
Tgt Ion:180 Resp: 280515
Ion Ratio Lower Upper
180 100
182 94.4 76.2 114.2
145 31.8 25.0 37.6





#31
Naphthalene
Concen: 42.252 ng
RT: 8.263 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

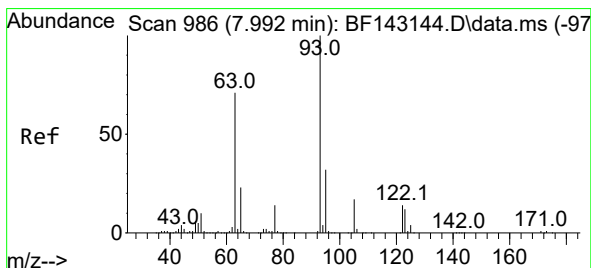
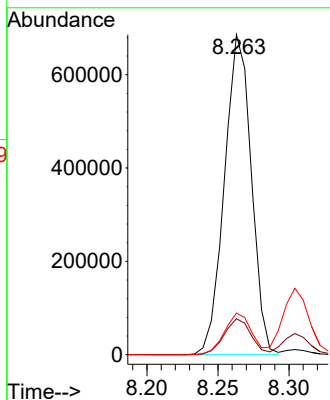
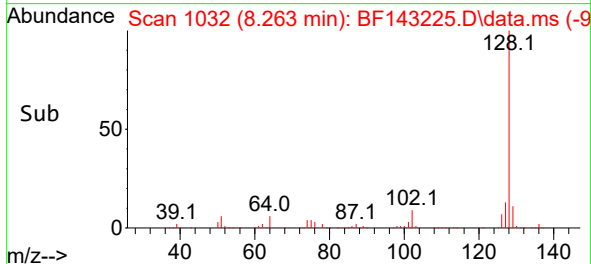
Instrument :
BNA_F
ClientSampleId :
PB168981BS



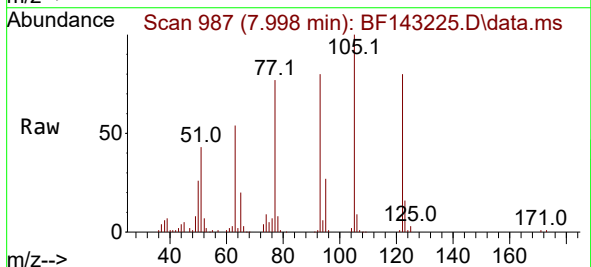
Tgt Ion:128 Resp: 901272
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.0 10.6 16.0

Manual Integrations
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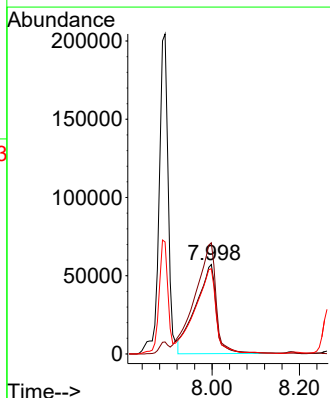
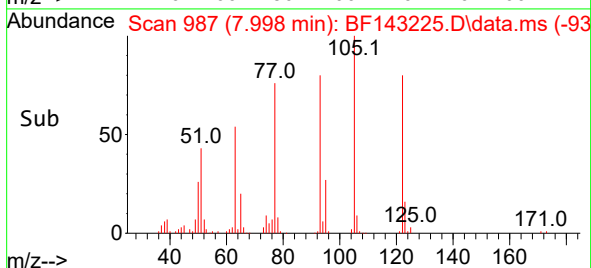
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

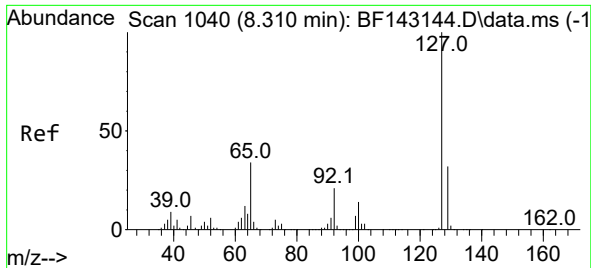


#32
Benzoic acid
Concen: 46.490 ng
RT: 7.998 min Scan# 987
Delta R.T. 0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58



Tgt Ion:122 Resp: 186943
Ion Ratio Lower Upper
122 100
105 124.3 104.8 144.8
77 95.3 77.6 117.6





#33
4-Chloroaniline
Concen: 21.850 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Instrument :

BNA_F

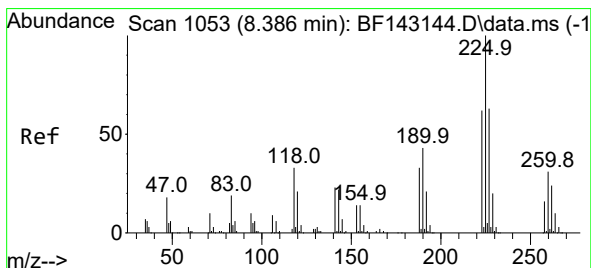
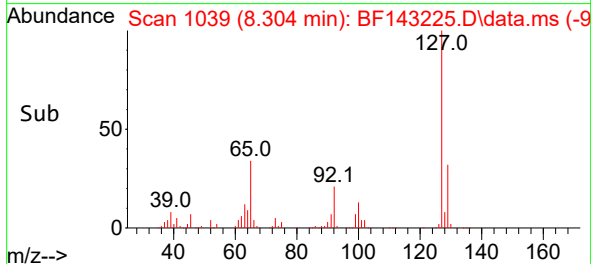
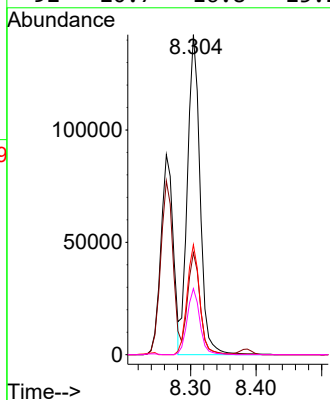
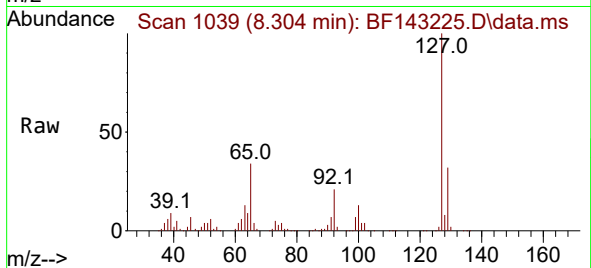
ClientSampleId :

PB168981BS

Tgt Ion:127 Resp: 190309
Ion Ratio Lower Upper
127 100
129 31.9 26.0 39.0
65 34.4 27.4 41.2
92 20.7 16.8 25.2

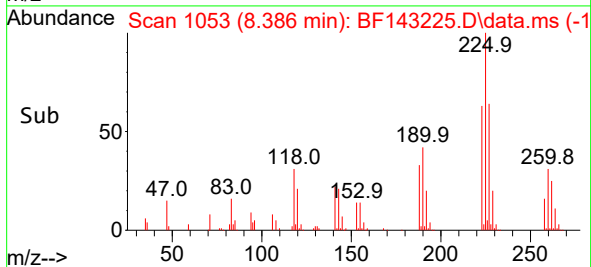
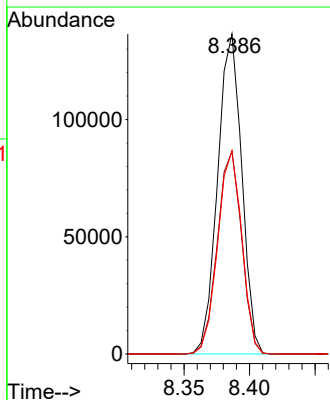
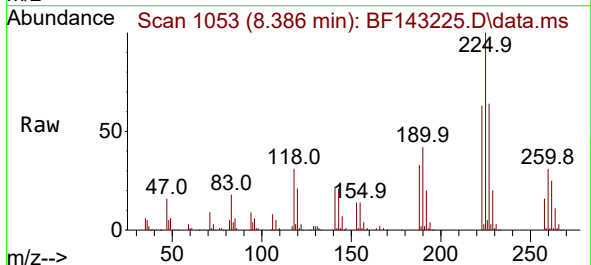
Manual Integrations
APPROVED

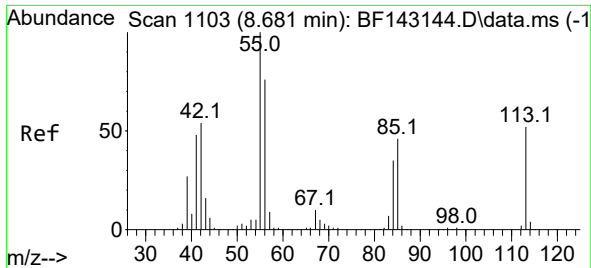
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#34
Hexachlorobutadiene
Concen: 43.770 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

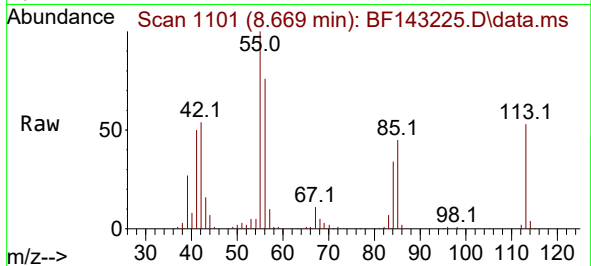
Tgt Ion:225 Resp: 174584
Ion Ratio Lower Upper
225 100
223 63.3 49.8 74.6
227 63.5 50.2 75.4





#35
Caprolactam
Concen: 45.538 ng m
RT: 8.669 min Scan# 1101
Delta R.T. -0.012 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

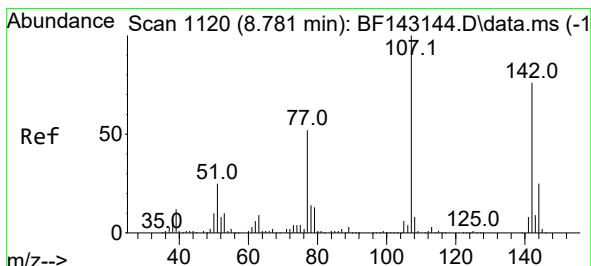
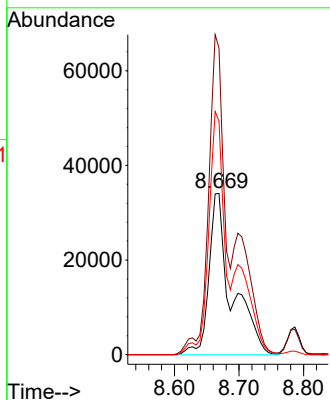
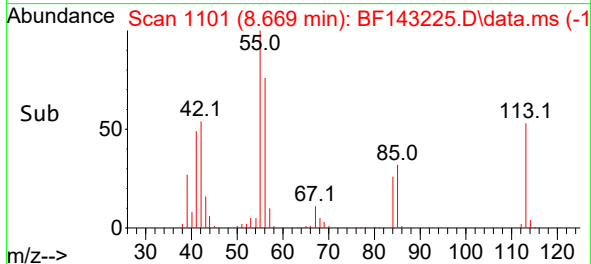
Instrument :
BNA_F
ClientSampleId :
PB168981BS



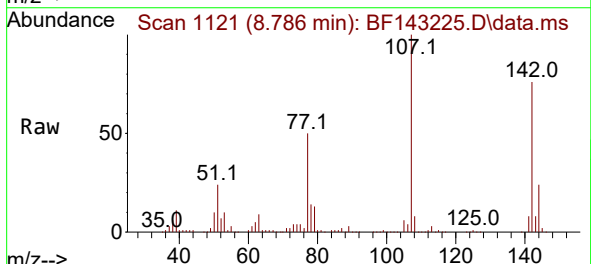
Tgt Ion:113 Resp: 8316
Ion Ratio Lower Upper
113 100
55 190.0 174.0 214.0
56 144.7 126.6 166.6

Manual Integrations
APPROVED

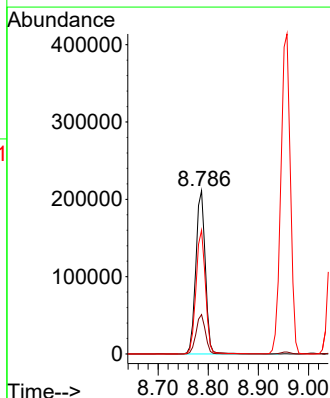
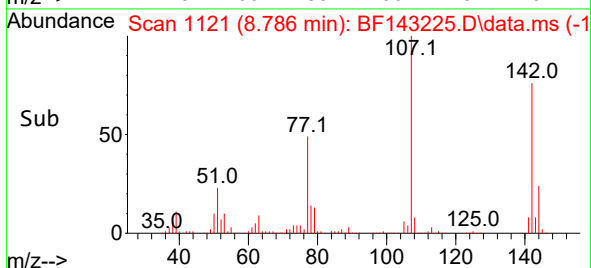
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

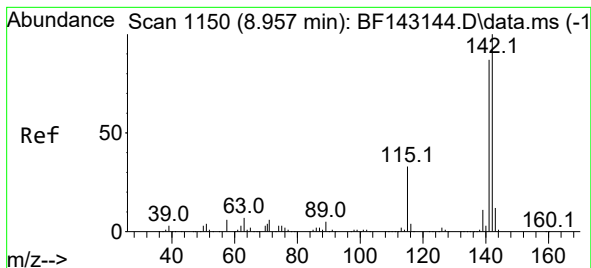


#36
4-Chloro-3-methylphenol
Concen: 42.223 ng
RT: 8.786 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58



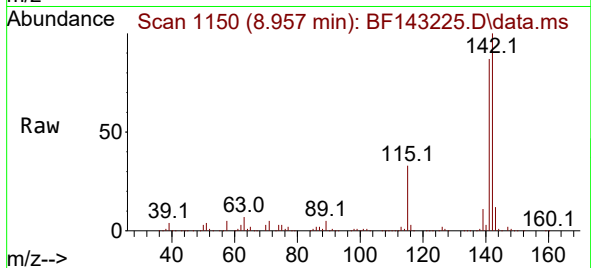
Tgt Ion:107 Resp: 277367
Ion Ratio Lower Upper
107 100
144 24.1 19.8 29.6
142 75.8 60.6 90.8





#37
2-Methylnaphthalene
Concen: 42.088 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

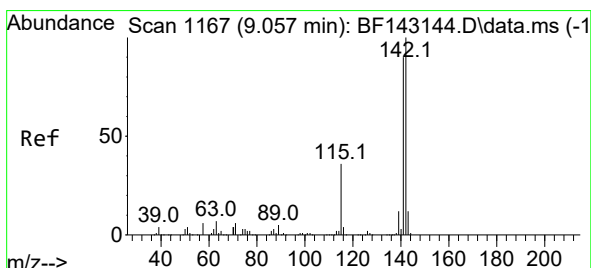
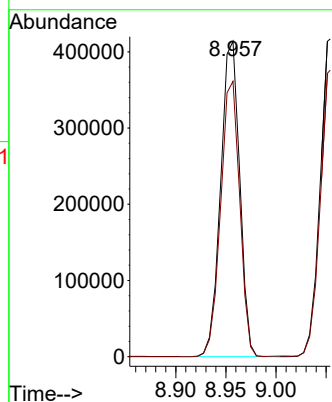
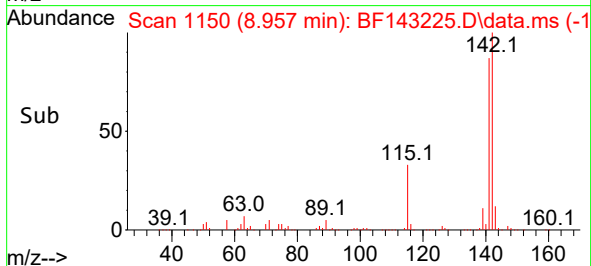
Instrument :
BNA_F
ClientSampleId :
PB168981BS



Tgt Ion:142 Resp: 546318
Ion Ratio Lower Upper
142 100
141 87.3 69.9 104.9

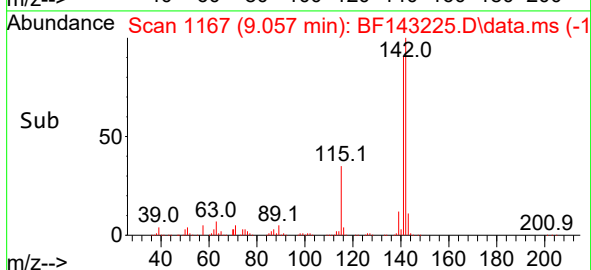
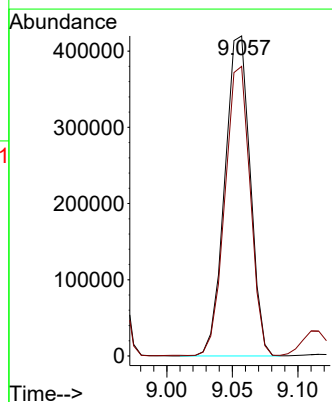
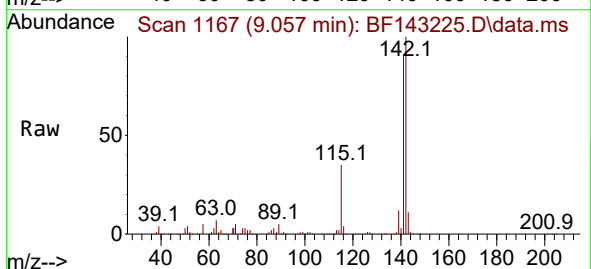
Manual Integrations
APPROVED

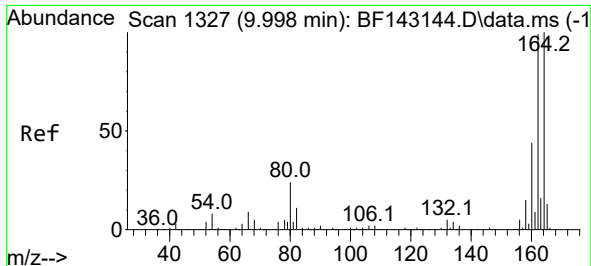
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#38
1-Methylnaphthalene
Concen: 42.383 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Tgt Ion:142 Resp: 566513
Ion Ratio Lower Upper
142 100
141 90.5 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: BF143225.D

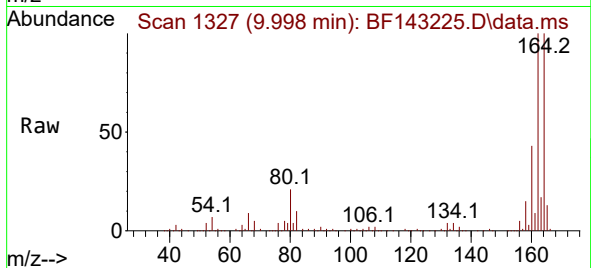
Acq: 24 Jul 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB168981BS



Tgt Ion:164 Resp: 217249

Ion Ratio Lower Upper

164 100

162 99.8 79.0 118.6

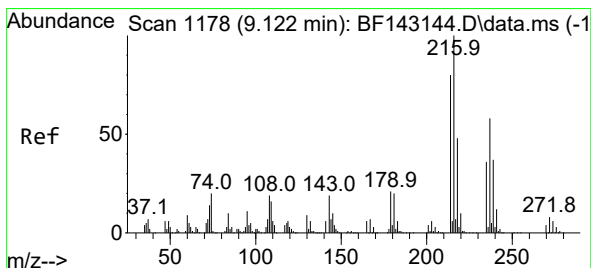
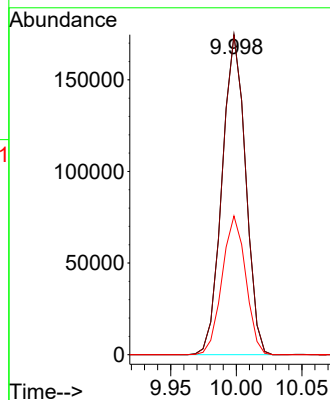
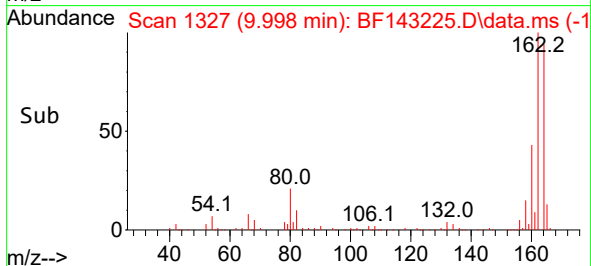
160 43.3 35.1 52.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/25/2025

Supervised By :Jagrut Upadhyay 07/25/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.802 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143225.D

Acq: 24 Jul 2025 10:58

Tgt Ion:216 Resp: 274737

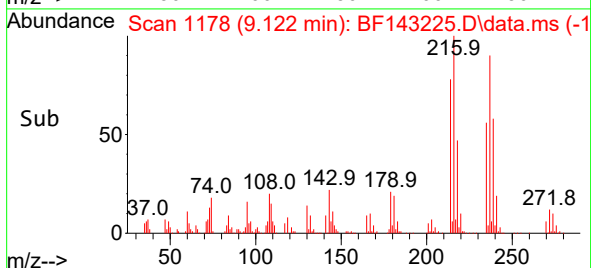
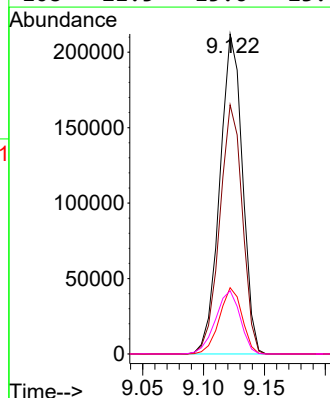
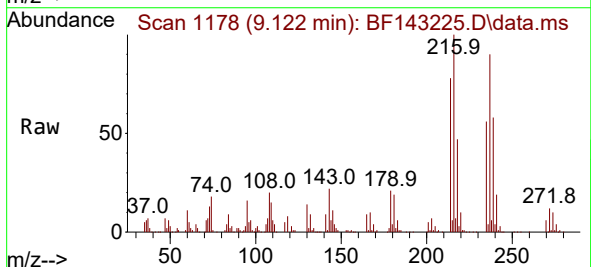
Ion Ratio Lower Upper

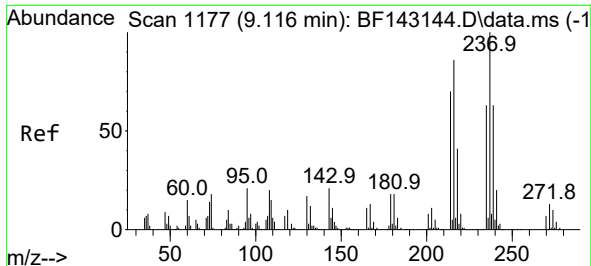
216 100

214 77.6 63.8 95.8

179 20.7 16.4 24.6

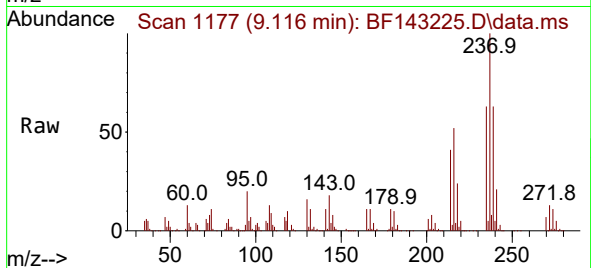
108 21.5 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 91.862 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

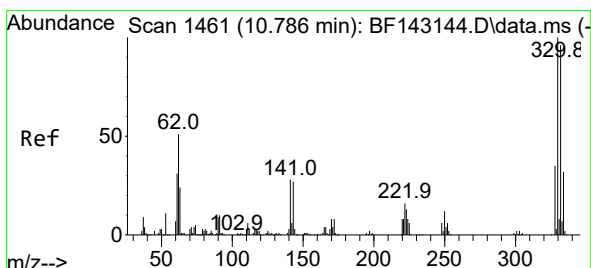
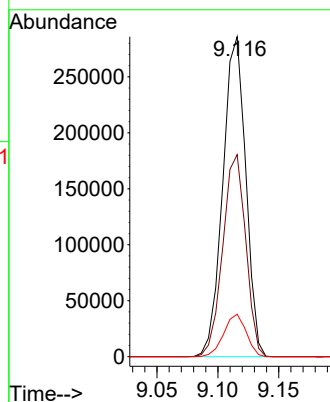
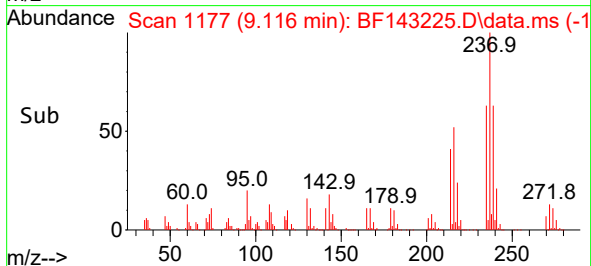
Instrument :
BNA_F
ClientSampleId :
PB168981BS



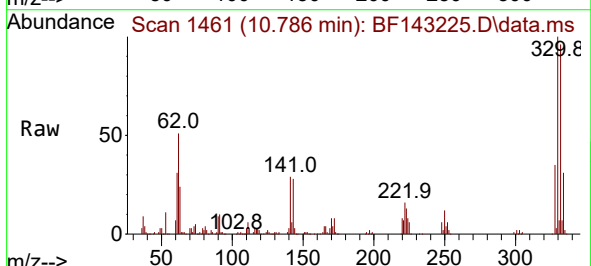
Tgt Ion:237 Resp: 37490
Ion Ratio Lower Upper
237 100
235 63.2 43.0 83.0
272 13.3 0.0 33.3

Manual Integrations
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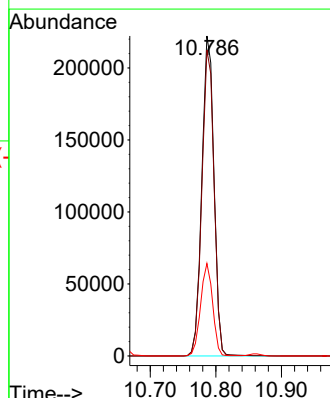
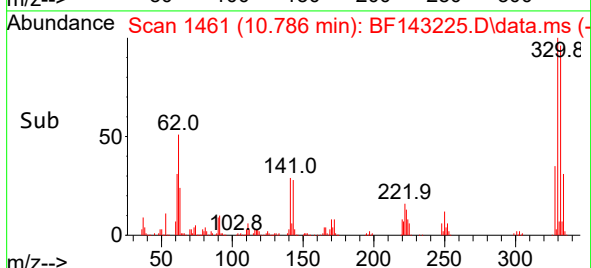
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

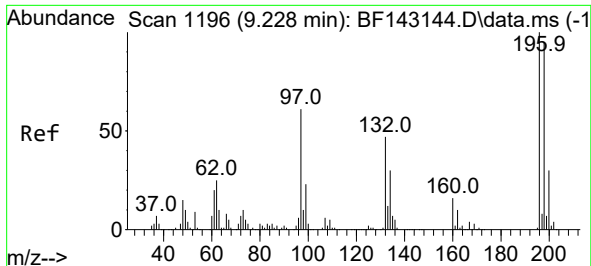


#42
2,4,6-Tribromophenol
Concen: 127.661 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58



Tgt Ion:330 Resp: 286511
Ion Ratio Lower Upper
330 100
332 96.0 76.7 115.1
141 28.8 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 43.001 ng

RT: 9.228 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF143225.D

Acq: 24 Jul 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB168981BS

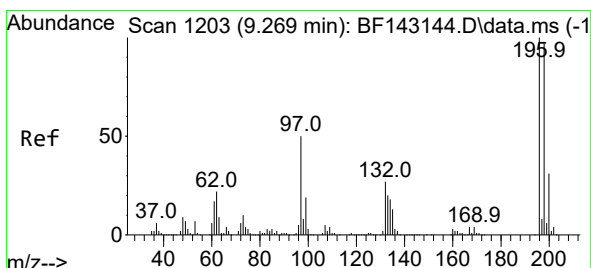
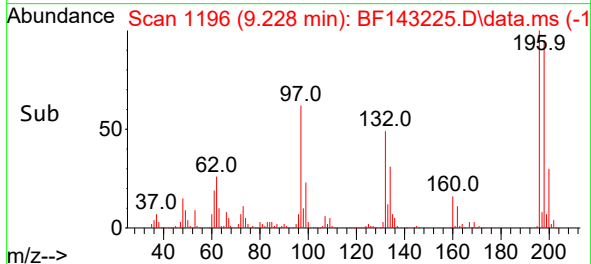
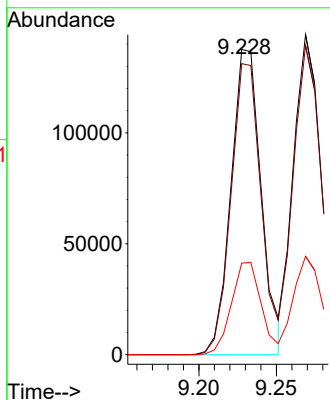
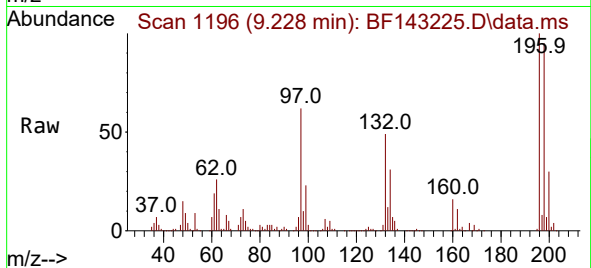
Tgt Ion:196 Resp: 186662
 Ion Ratio Lower Upper
 196 100
 198 95.3 76.2 114.2
 200 30.0 23.9 35.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/25/2025

Supervised By :Jagrut Upadhyay 07/25/2025



#44

2,4,5-Trichlorophenol

Concen: 43.615 ng

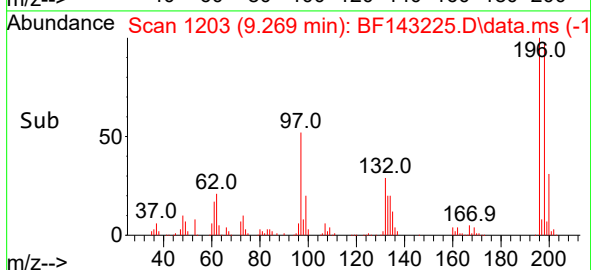
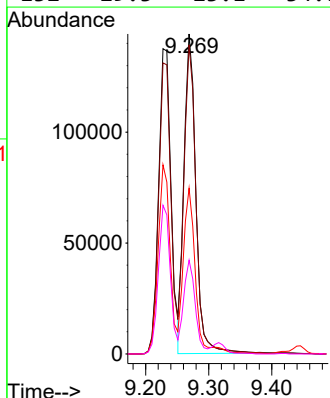
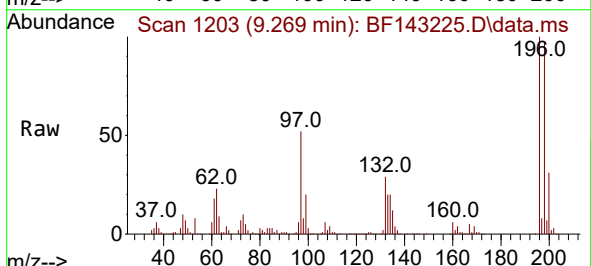
RT: 9.269 min Scan# 1203

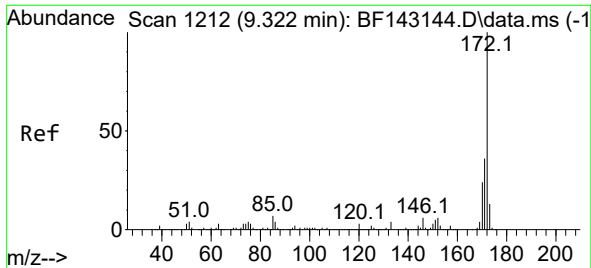
Delta R.T. 0.000 min

Lab File: BF143225.D

Acq: 24 Jul 2025 10:58

Tgt Ion:196 Resp: 189385
 Ion Ratio Lower Upper
 196 100
 198 96.6 77.3 115.9
 97 51.8 40.3 60.5
 132 29.3 23.1 34.7





#45
2-Fluorobiphenyl
Concen: 79.812 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Instrument :

BNA_F

ClientSampleId :

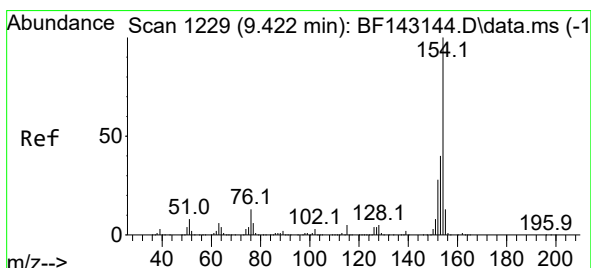
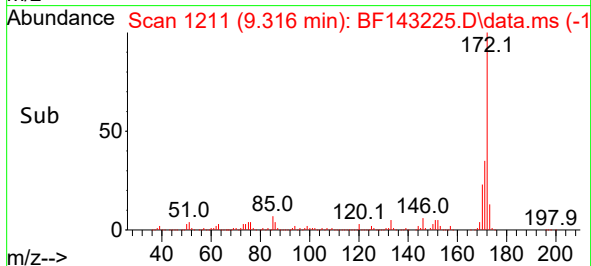
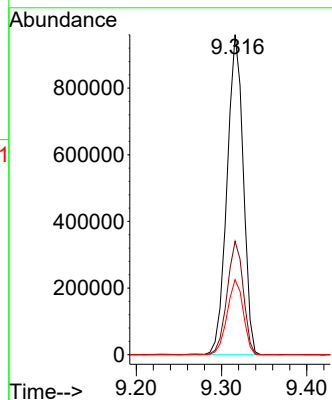
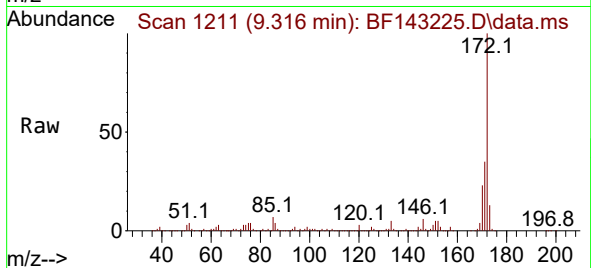
PB168981BS

Tgt Ion:172 Resp: 126782
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 23.5 18.8 28.2

Manual Integrations

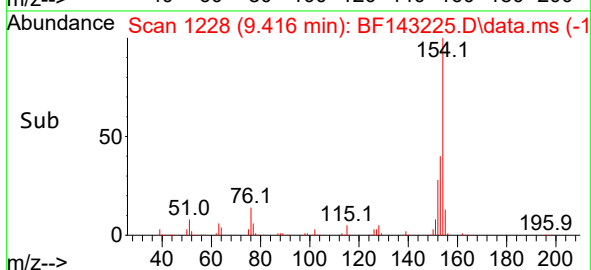
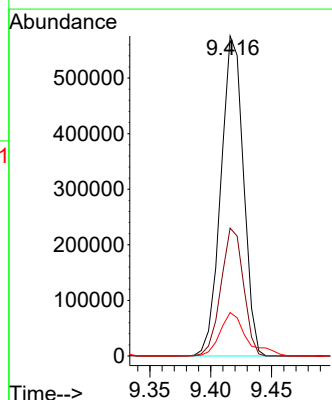
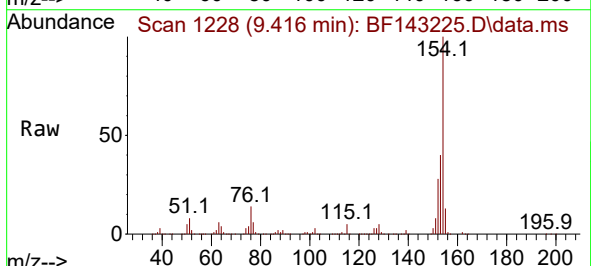
APPROVED

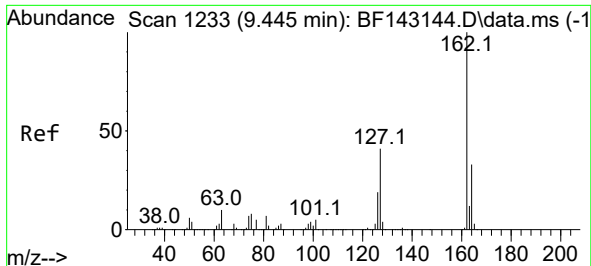
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#46
1,1'-Biphenyl
Concen: 43.792 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Tgt Ion:154 Resp: 742262
Ion Ratio Lower Upper
154 100
153 40.0 20.3 60.3
76 13.5 0.0 33.3





#47

2-Chloronaphthalene

Concen: 43.058 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143225.D

Acq: 24 Jul 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB168981BS

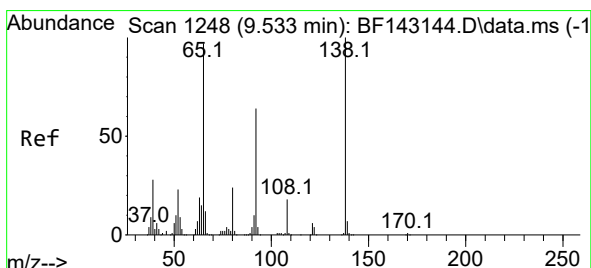
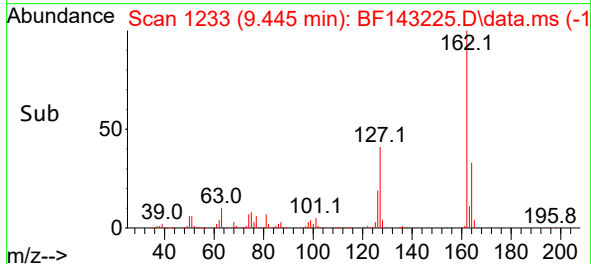
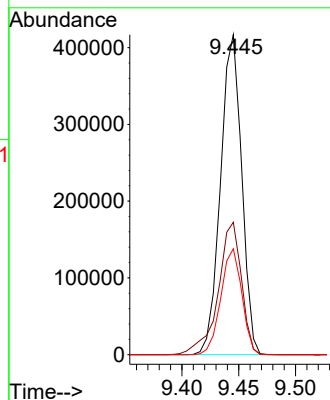
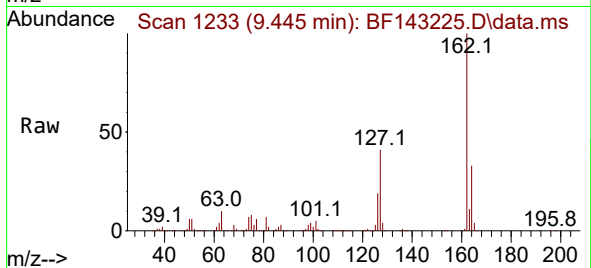
Tgt Ion:162 Resp: 540014
 Ion Ratio Lower Upper
 162 100
 127 41.4 33.4 50.2
 164 33.1 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/25/2025

Supervised By :Jagrut Upadhyay 07/25/2025



#48

2-Nitroaniline

Concen: 45.944 ng

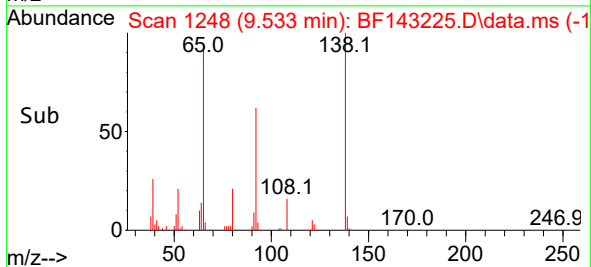
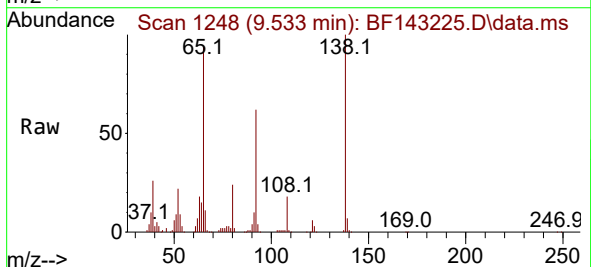
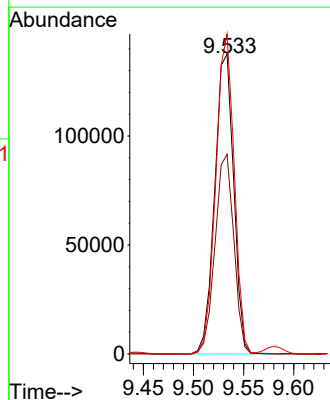
RT: 9.533 min Scan# 1248

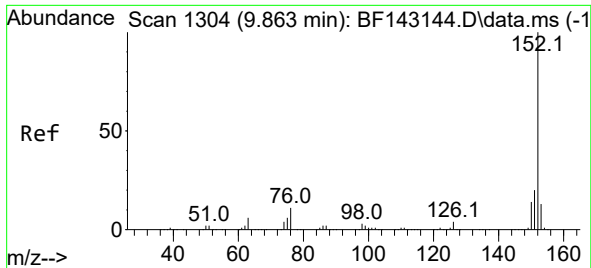
Delta R.T. 0.000 min

Lab File: BF143225.D

Acq: 24 Jul 2025 10:58

Tgt Ion: 65 Resp: 180697
 Ion Ratio Lower Upper
 65 100
 92 66.5 52.4 78.6
 138 106.6 82.3 123.5





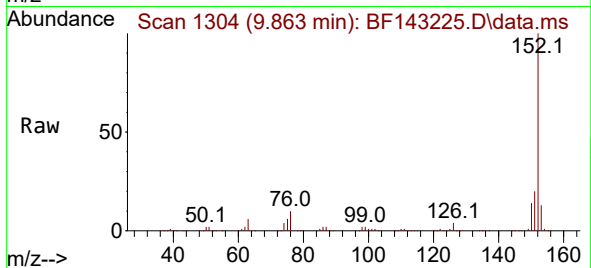
#49
Acenaphthylene
Concen: 43.058 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB168981BS



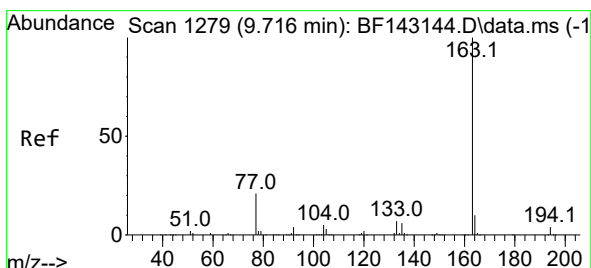
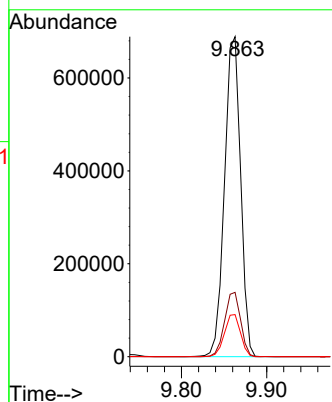
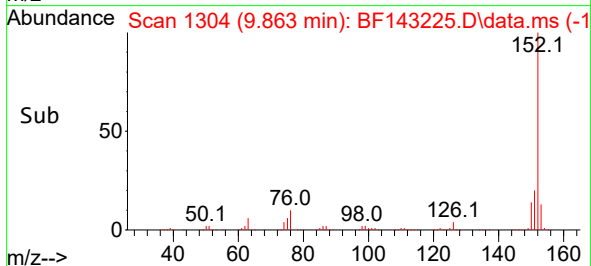
Tgt Ion:152 Resp: 904978
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 13.1 10.6 16.0

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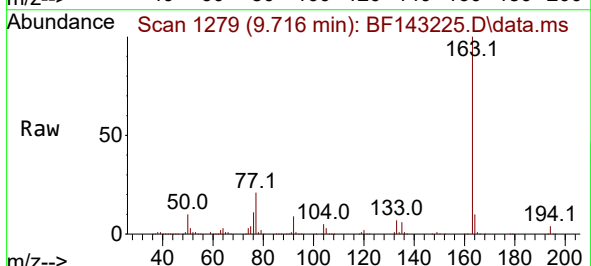
APPROVED

Reviewed By :Rahul Chavli 07/25/2025

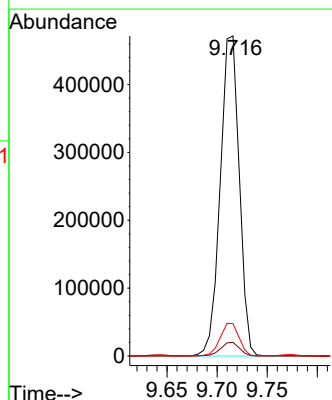
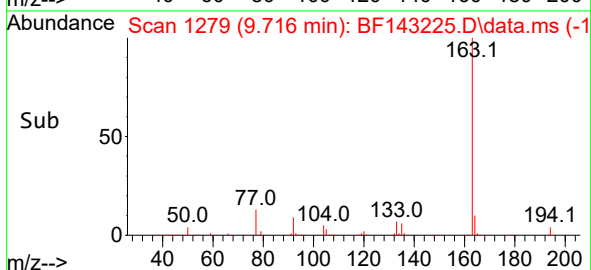
Supervised By :Jagrut Upadhyay 07/25/2025

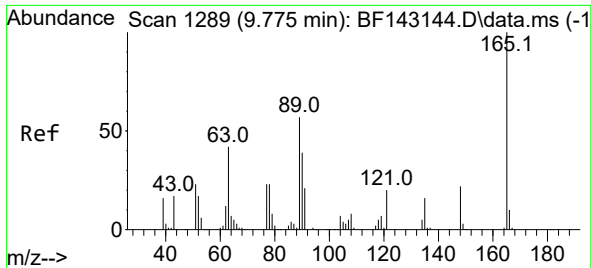


#50
Dimethylphthalate
Concen: 43.895 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58



Tgt Ion:163 Resp: 621597
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.1 8.3 12.5





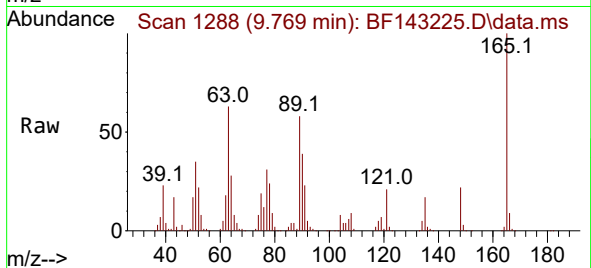
#51
2,6-Dinitrotoluene
Concen: 47.684 ng
RT: 9.769 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB168981BS



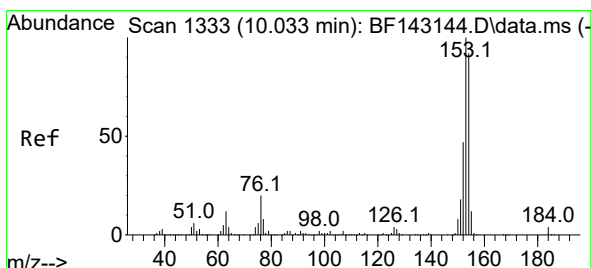
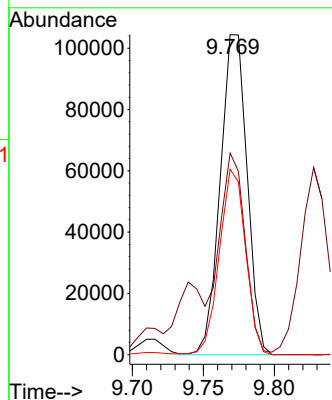
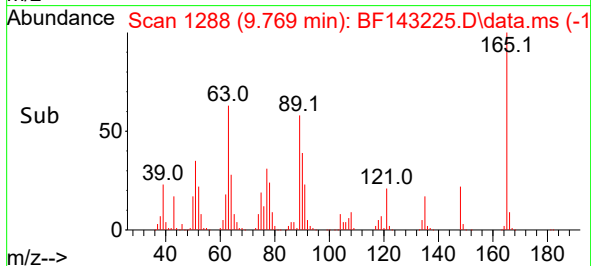
Tgt Ion:165 Resp: 137364
Ion Ratio Lower Upper
165 100
63 63.0 49.4 74.2
89 58.0 46.2 69.2

Manual Integrations

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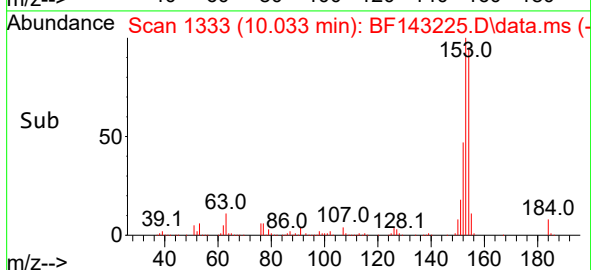
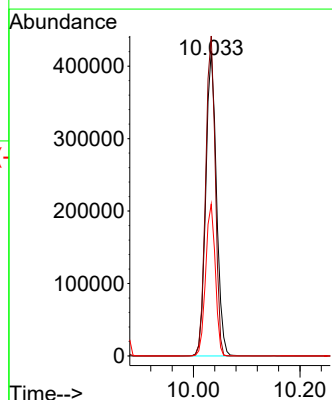
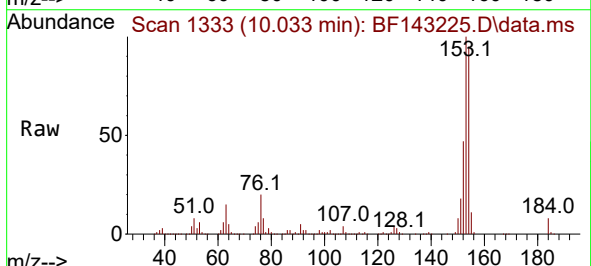
Reviewed By :Rahul Chavli 07/25/2025

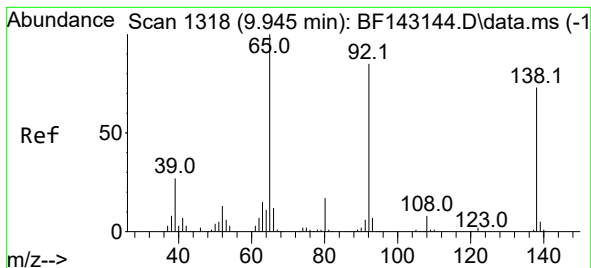
Supervised By :Jagrut Upadhyay 07/25/2025



#52
Acenaphthene
Concen: 47.021 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Tgt Ion:154 Resp: 584118
Ion Ratio Lower Upper
154 100
153 105.1 86.6 129.8
152 49.9 40.4 60.6





#53
3-Nitroaniline
Concen: 30.852 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Instrument :

BNA_F

ClientSampleId :

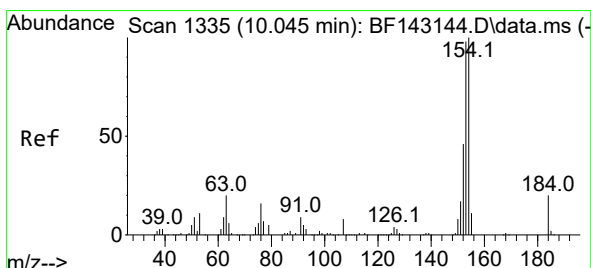
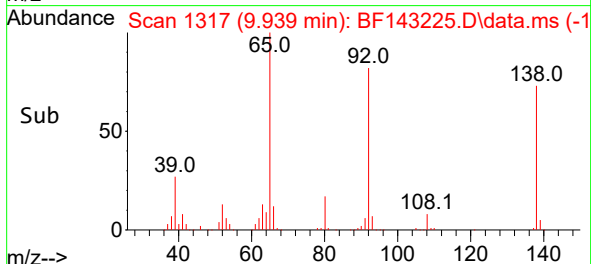
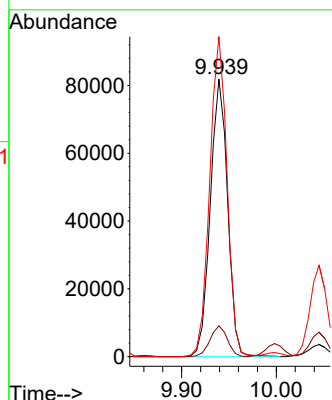
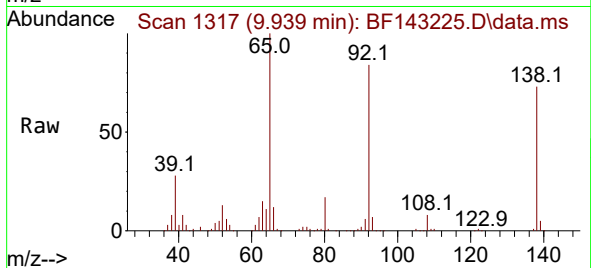
PB168981BS

Tgt Ion:138 Resp: 103950
Ion Ratio Lower Upper
138 100
108 11.1 9.0 13.6
92 115.3 93.0 139.4

Manual Integrations

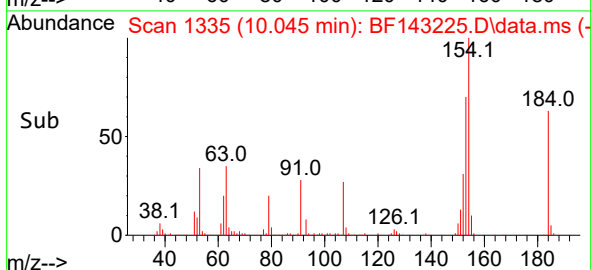
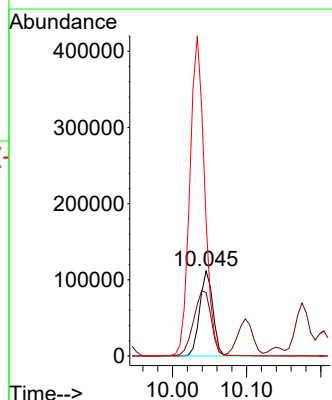
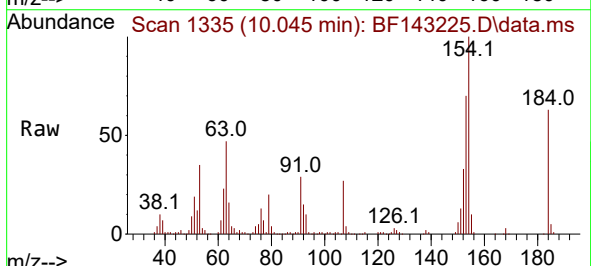
APPROVED

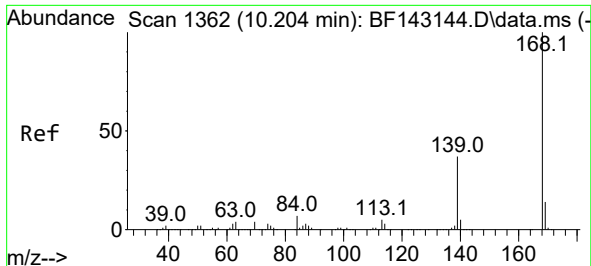
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#54
2,4-Dinitrophenol
Concen: 103.923 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

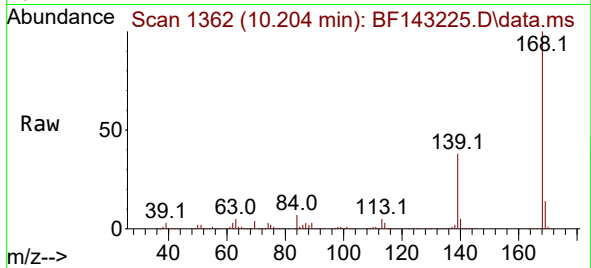
Tgt Ion:184 Resp: 138522
Ion Ratio Lower Upper
184 100
63 74.6 81.8 122.6#
154 158.4 412.2 618.4#





#55
Dibenzenofuran
Concen: 42.346 ng
RT: 10.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

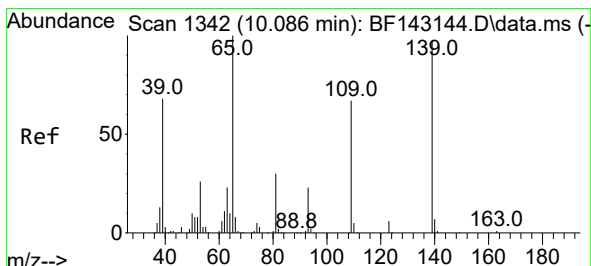
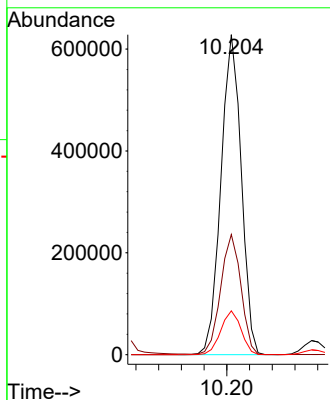
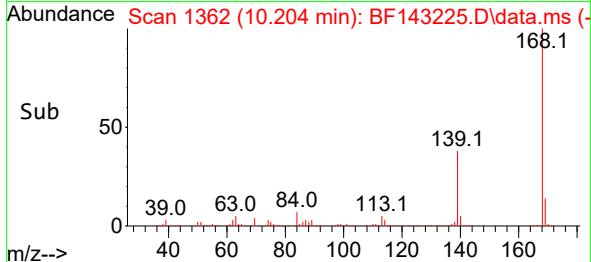
Instrument :
BNA_F
ClientSampleId :
PB168981BS



Tgt Ion:168 Resp: 781008
Ion Ratio Lower Upper
168 100
139 37.6 29.5 44.3
169 13.7 10.9 16.3

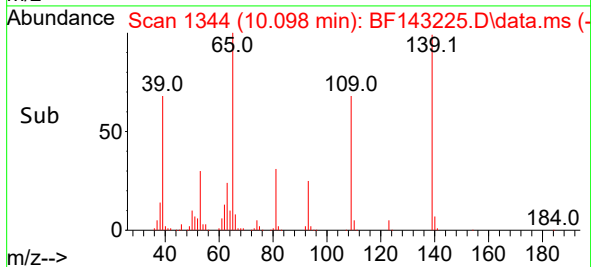
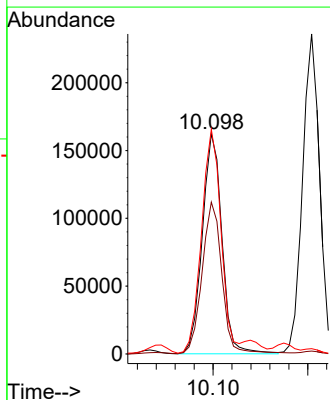
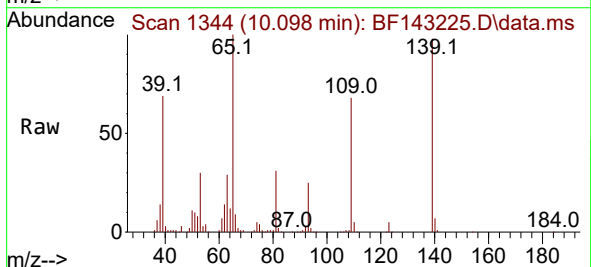
Manual Integrations
APPROVED

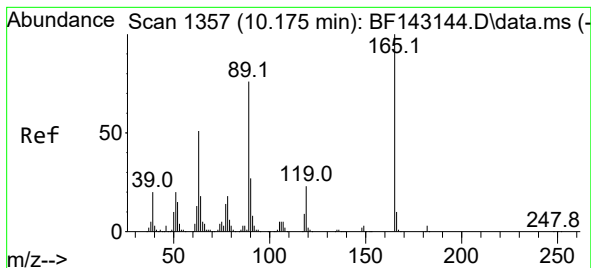
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#56
4-Nitrophenol
Concen: 92.980 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

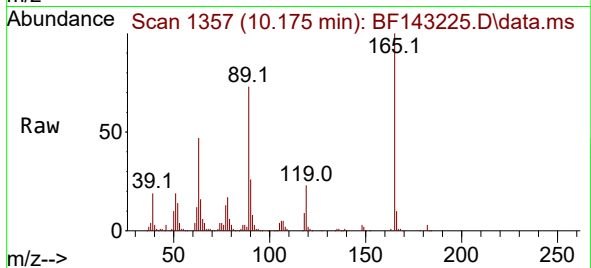
Tgt Ion:139 Resp: 233951
Ion Ratio Lower Upper
139 100
109 69.0 48.5 88.5
65 102.1 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 51.172 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

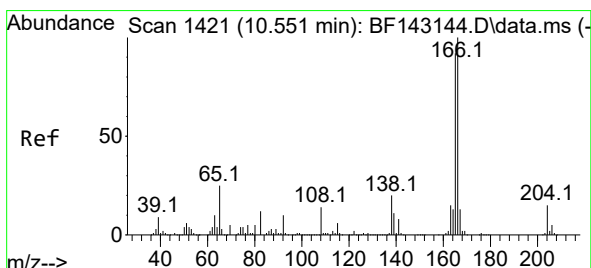
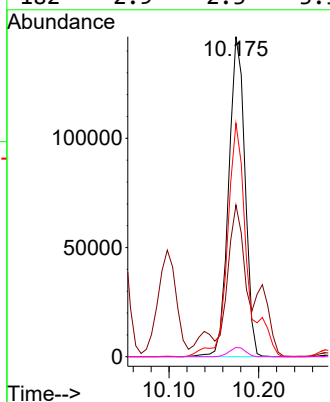
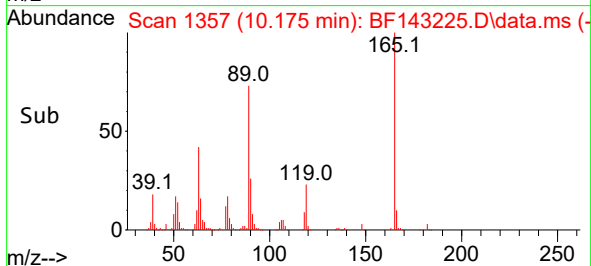
Instrument :
BNA_F
ClientSampleId :
PB168981BS



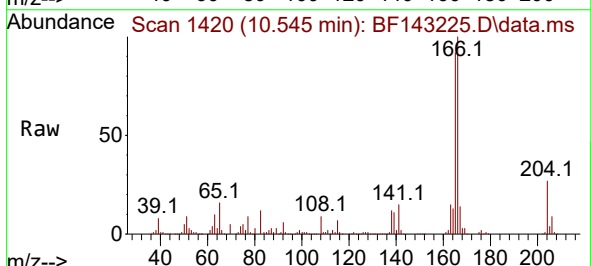
Tgt Ion:165 Resp: 184944
Ion Ratio Lower Upper
165 100
63 47.4 41.0 61.4
89 73.0 61.1 91.7
182 2.9 2.3 3.5

Manual Integrations
APPROVED

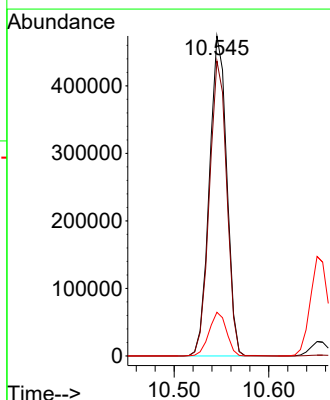
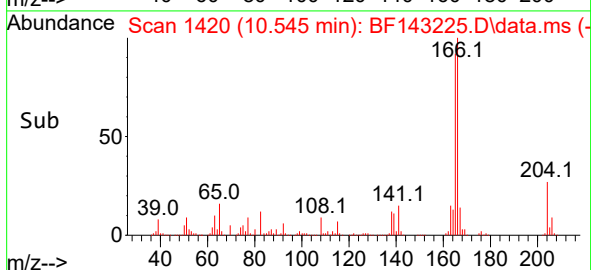
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

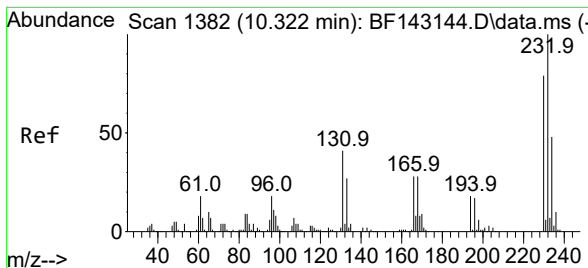


#58
Fluorene
Concen: 43.494 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58



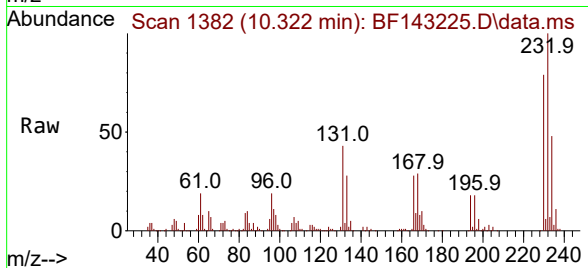
Tgt Ion:166 Resp: 602049
Ion Ratio Lower Upper
166 100
165 92.2 73.7 110.5
167 13.6 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.441 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

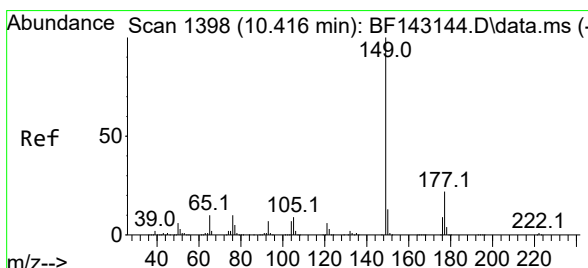
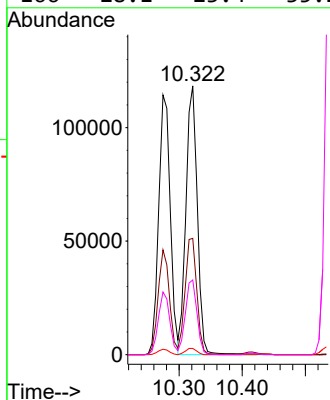
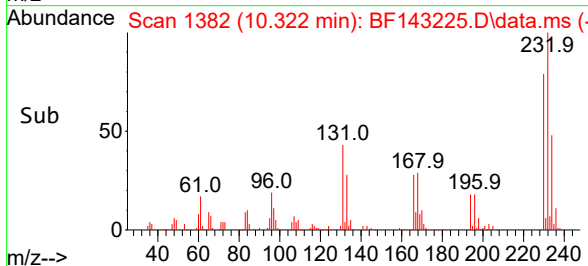
Instrument :
BNA_F
ClientSampleId :
PB168981BS



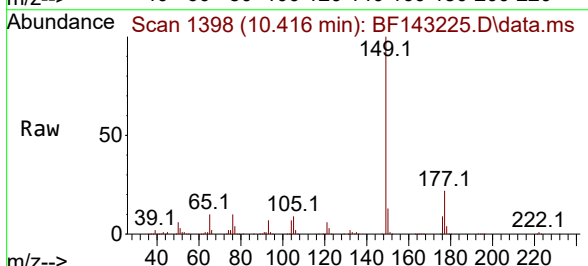
Tgt Ion:232 Resp: 149060
Ion Ratio Lower Upper
232 100
131 44.4 35.3 52.9
130 2.3 1.7 2.5
166 28.1 23.4 35.2

Manual Integrations
APPROVED

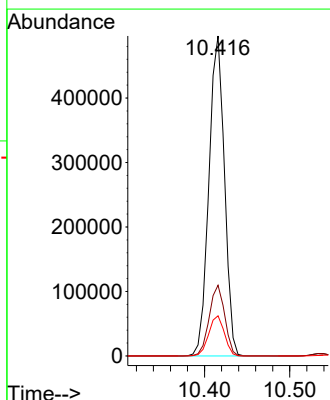
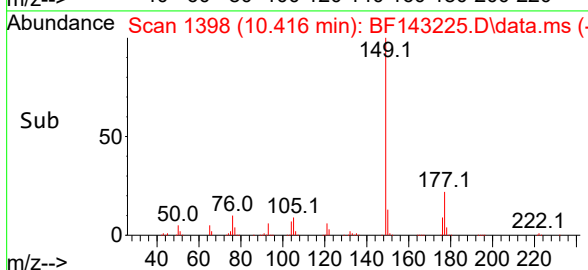
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

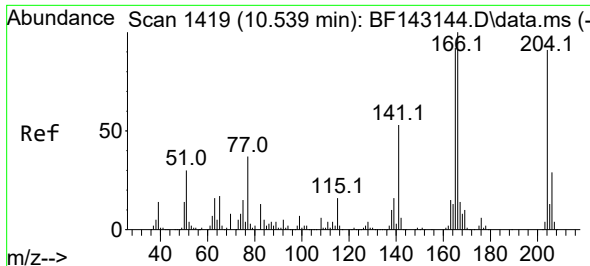


#60
Diethylphthalate
Concen: 44.966 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58



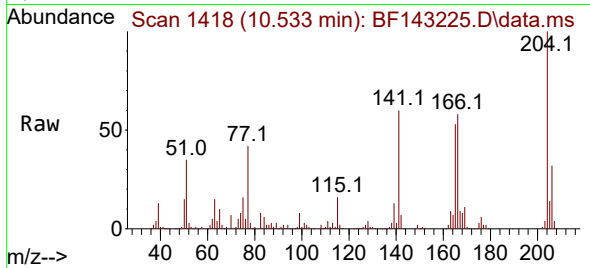
Tgt Ion:149 Resp: 629374
Ion Ratio Lower Upper
149 100
177 22.1 17.5 26.3
150 12.5 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 44.489 ng
RT: 10.533 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

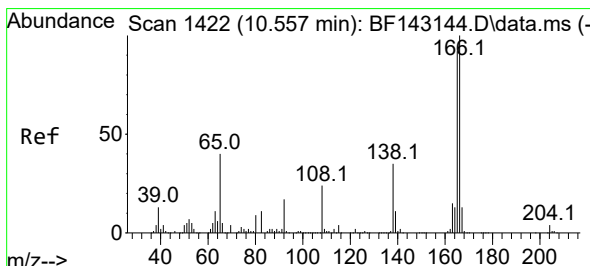
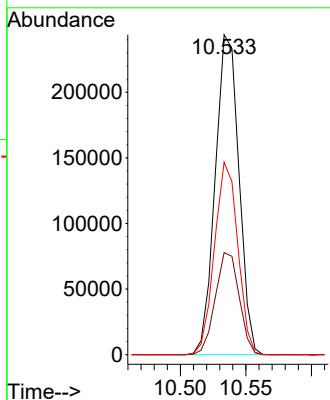
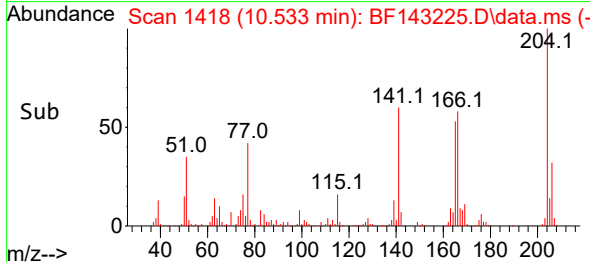
Instrument :
BNA_F
ClientSampleId :
PB168981BS



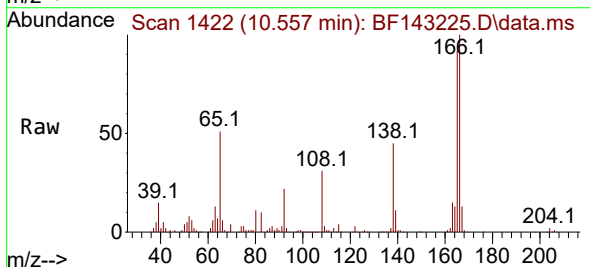
Tgt Ion:204 Resp: 30664
Ion Ratio Lower Upper
204 100
206 31.9 25.8 38.8
141 60.2 47.0 70.4

Manual Integrations
APPROVED

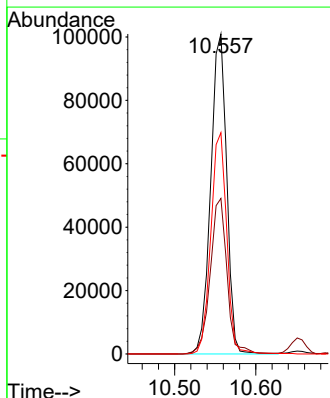
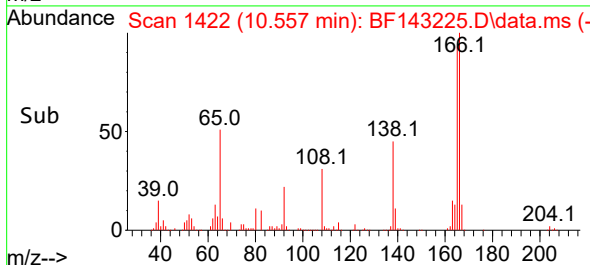
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

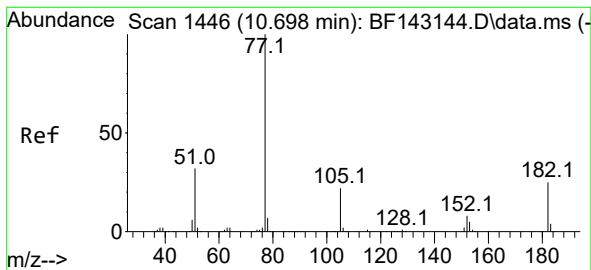


#62
4-Nitroaniline
Concen: 47.751 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58



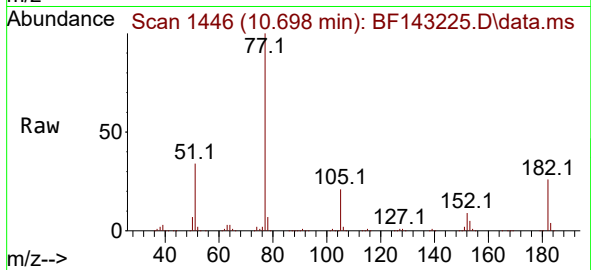
Tgt Ion:138 Resp: 137898
Ion Ratio Lower Upper
138 100
92 48.6 29.3 69.3
108 69.2 48.3 88.3





#63
Azobenzene
Concen: 43.071 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

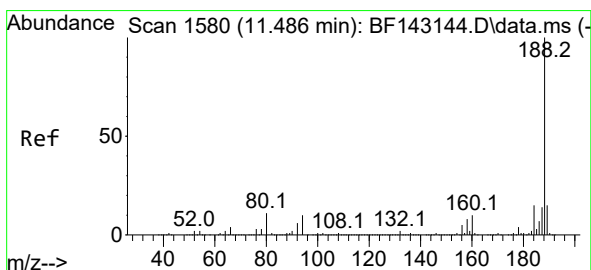
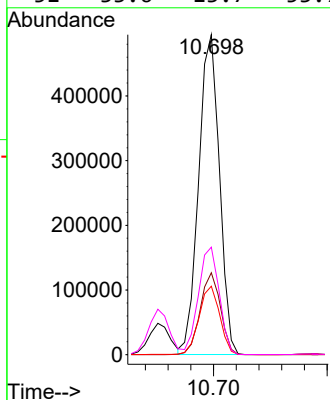
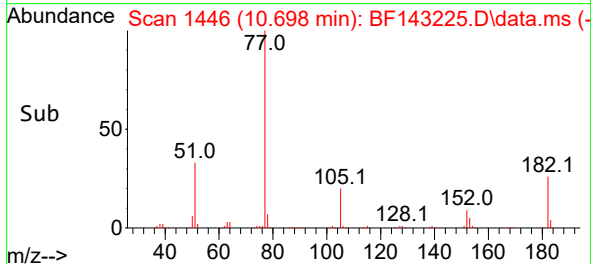
Instrument :
BNA_F
ClientSampleId :
PB168981BS



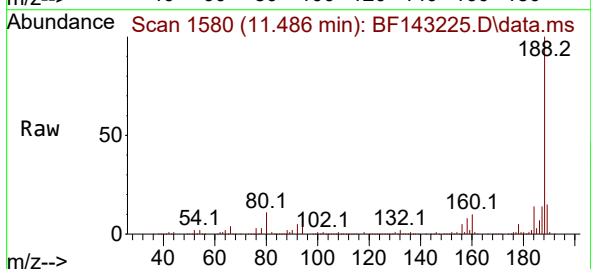
Tgt Ion: 77 Resp: 628300
Ion Ratio Lower Upper
77 100
182 25.6 4.6 44.6
105 21.4 1.4 41.4
51 33.6 13.7 53.7

Manual Integrations
APPROVED

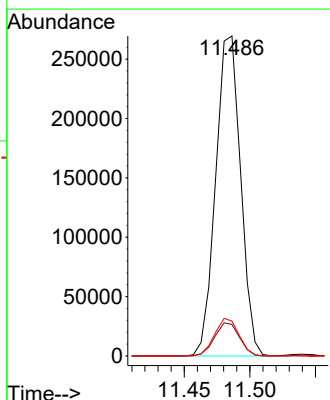
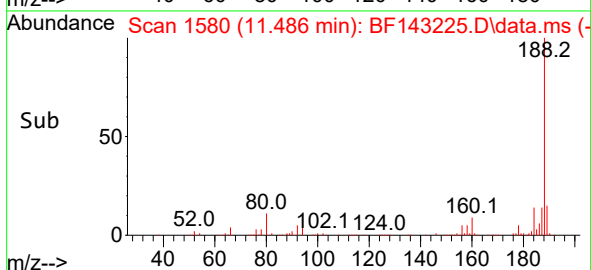
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

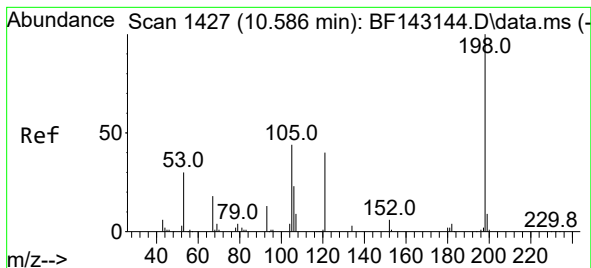


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58



Tgt Ion:188 Resp: 356315
Ion Ratio Lower Upper
188 100
94 9.8 8.3 12.5
80 10.9 9.0 13.6





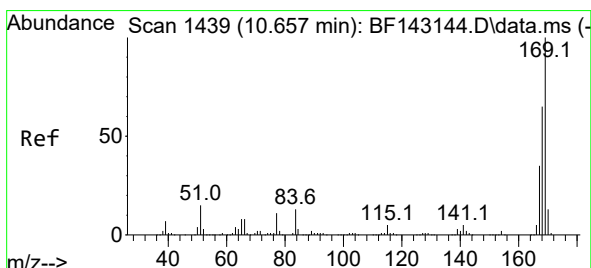
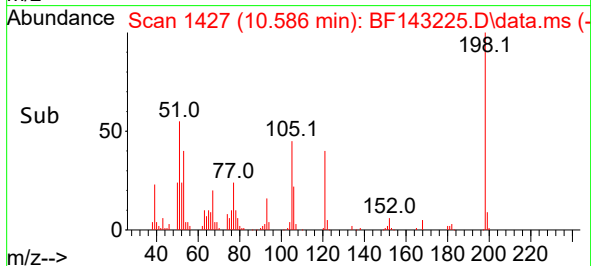
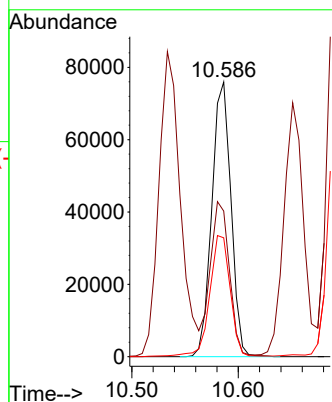
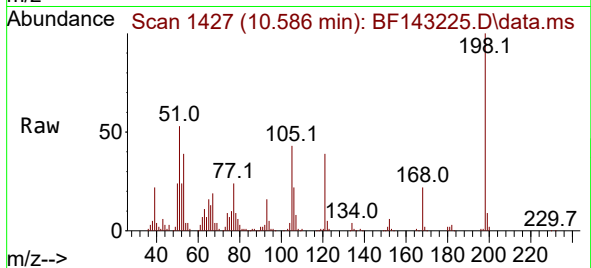
#65
4,6-Dinitro-2-methylphenol
Concen: 50.336 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB168981BS

Tgt Ion:198 Resp: 94578
Ion Ratio Lower Upper
198 100
51 53.0 37.2 77.2
105 43.3 24.8 64.8

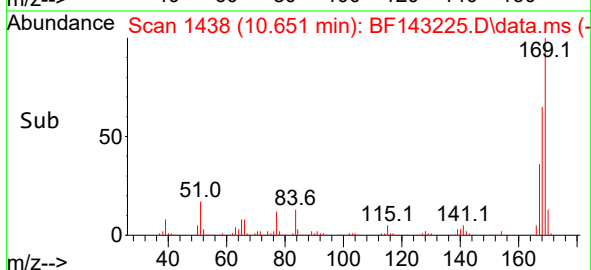
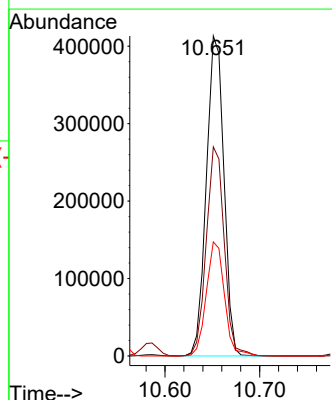
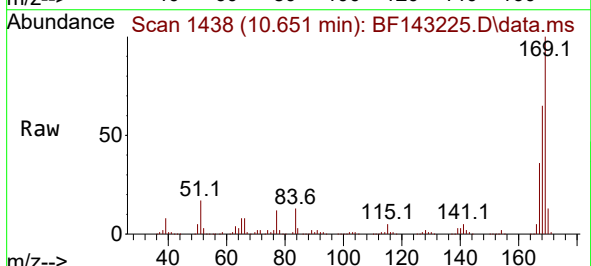
Manual Integrations
APPROVED

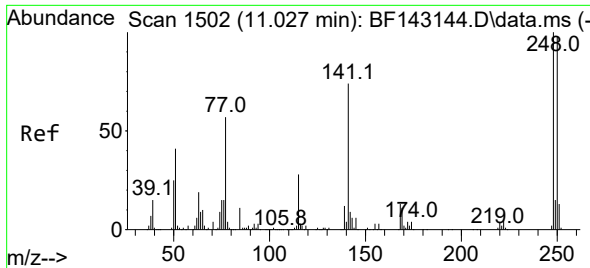
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#66
n-Nitrosodiphenylamine
Concen: 42.383 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

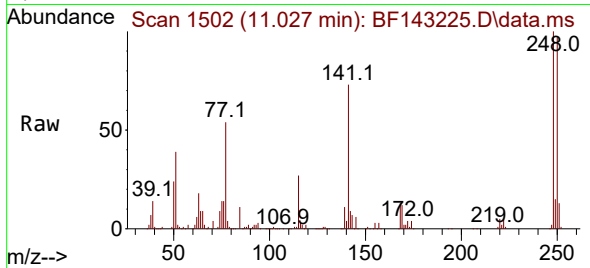
Tgt Ion:169 Resp: 531780
Ion Ratio Lower Upper
169 100
168 65.3 52.1 78.1
167 35.6 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 43.530 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

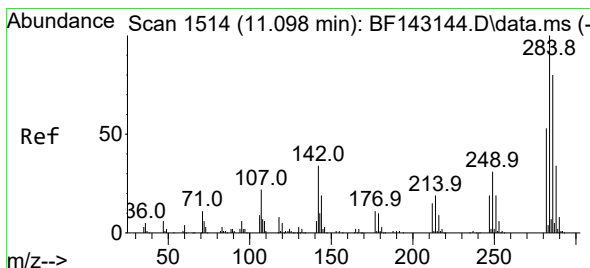
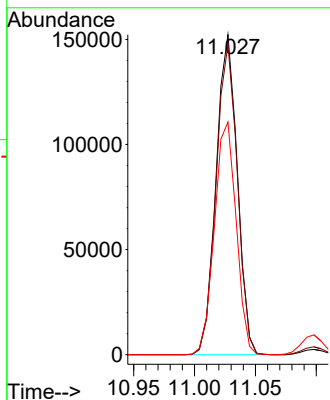
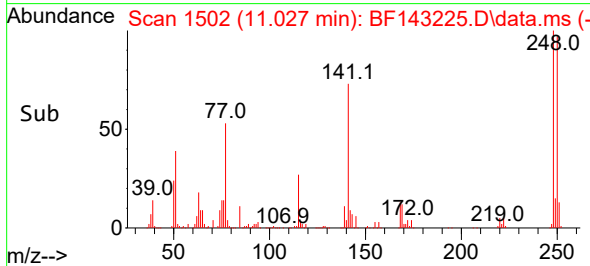
Instrument :
BNA_F
ClientSampleId :
PB168981BS



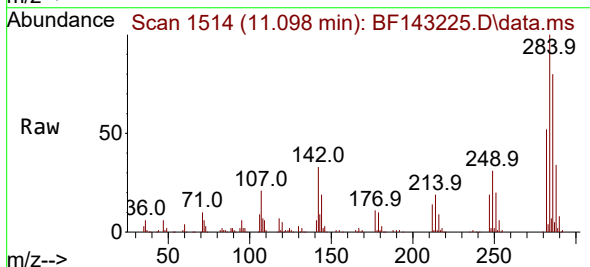
Tgt Ion:248 Resp: 184844
Ion Ratio Lower Upper
248 100
250 96.9 78.3 117.5
141 72.7 59.2 88.8

Manual Integrations
APPROVED

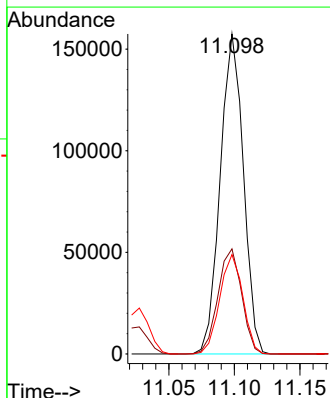
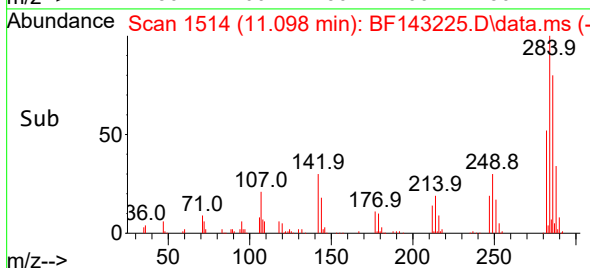
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

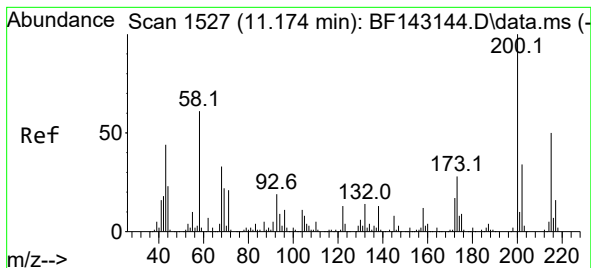


#68
Hexachlorobenzene
Concen: 43.513 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58



Tgt Ion:284 Resp: 193123
Ion Ratio Lower Upper
284 100
142 32.8 27.0 40.6
249 31.1 25.0 37.6





#69

Atrazine

Concen: 49.015 ng

RT: 11.175 min Scan# 1527

Delta R.T. 0.000 min

Lab File: BF143225.D

Acq: 24 Jul 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB168981BS

Tgt Ion:200 Resp: 169540

Ion Ratio Lower Upper

200 100

173 27.8 7.9 47.9

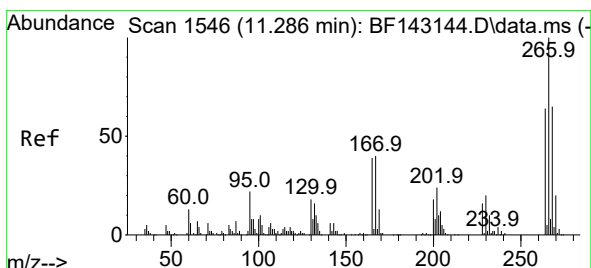
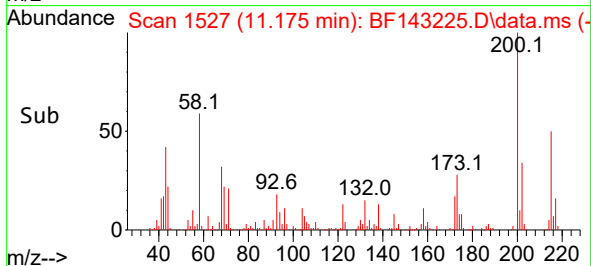
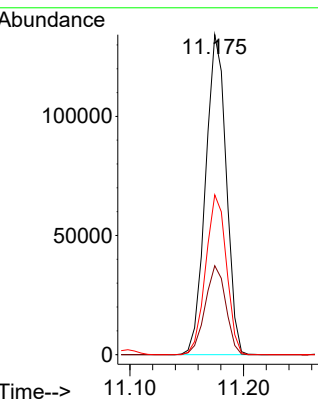
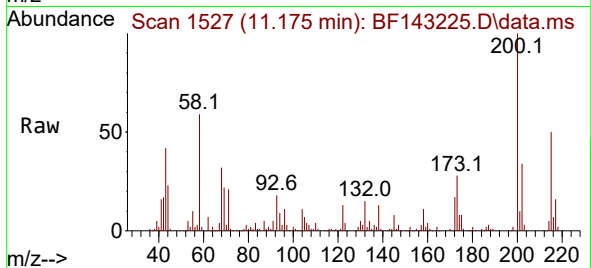
215 50.0 30.1 70.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/25/2025

Supervised By :Jagrut Upadhyay 07/25/2025



#70

Pentachlorophenol

Concen: 63.407 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143225.D

Acq: 24 Jul 2025 10:58

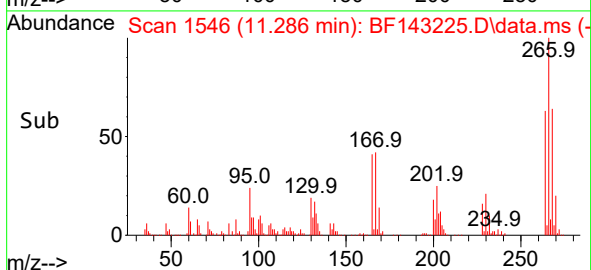
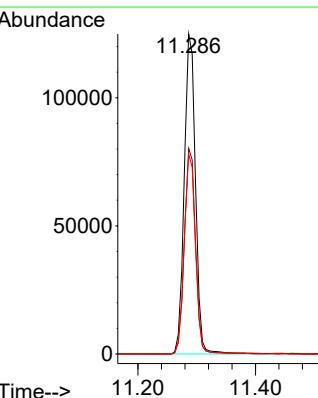
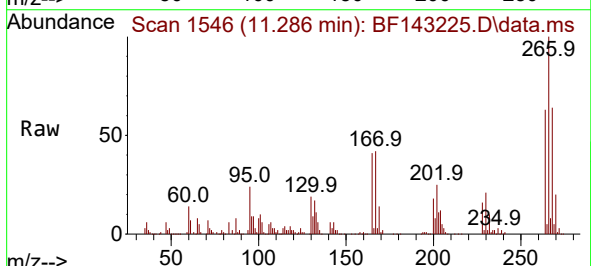
Tgt Ion:266 Resp: 165497

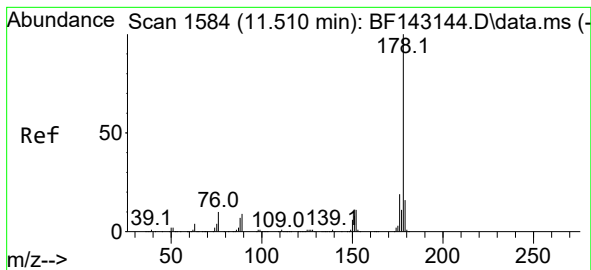
Ion Ratio Lower Upper

266 100

268 64.2 51.9 77.9

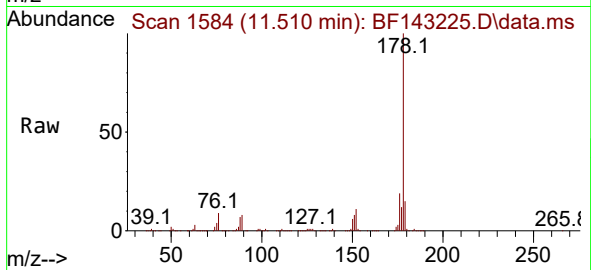
264 62.5 51.0 76.6





#71
Phenanthrene
Concen: 43.665 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

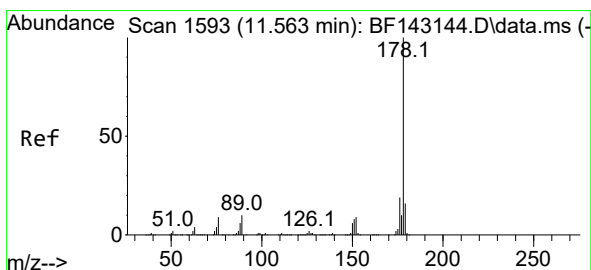
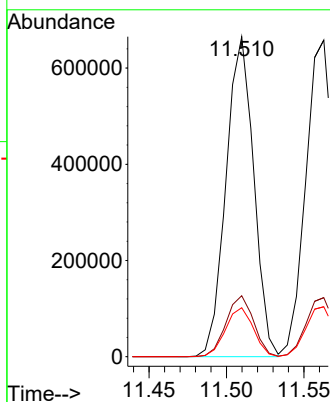
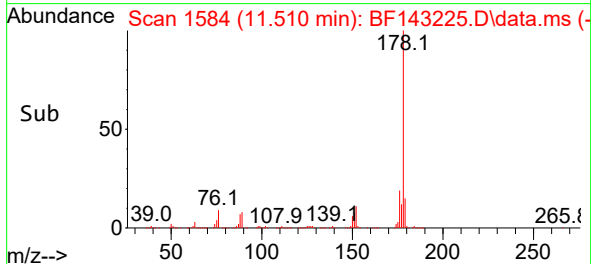
Instrument :
BNA_F
ClientSampleId :
PB168981BS



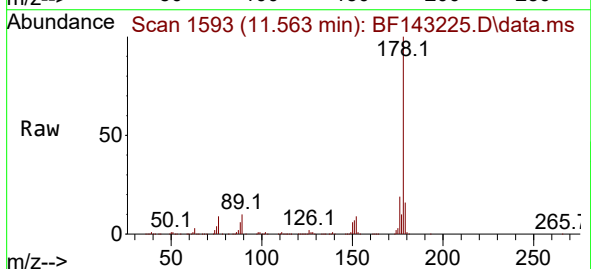
Tgt Ion:178 Resp: 826104
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.3 12.5 18.7

Manual Integrations
APPROVED

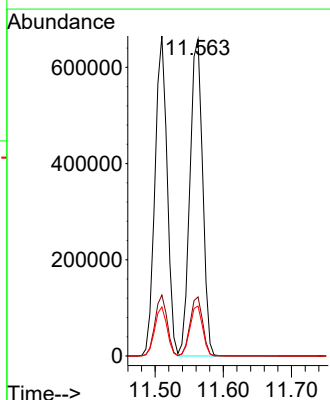
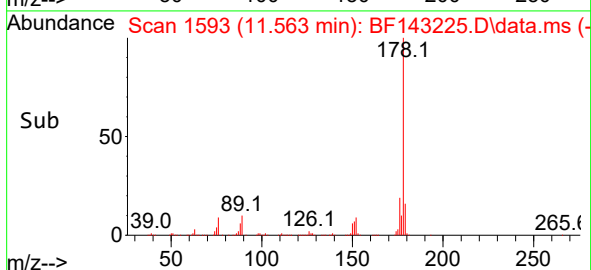
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

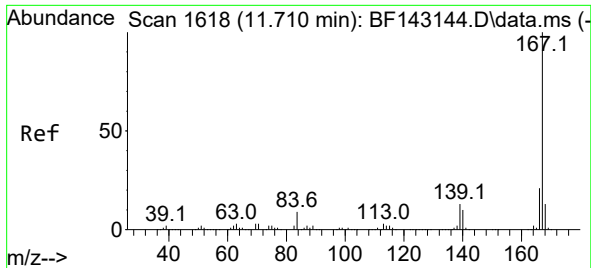


#72
Anthracene
Concen: 43.885 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58



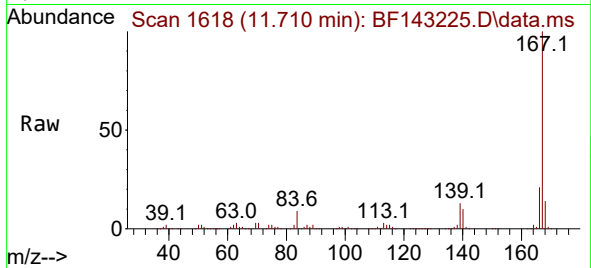
Tgt Ion:178 Resp: 846791
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.8 12.5 18.7





#73
Carbazole
Concen: 45.541 ng
RT: 11.710 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

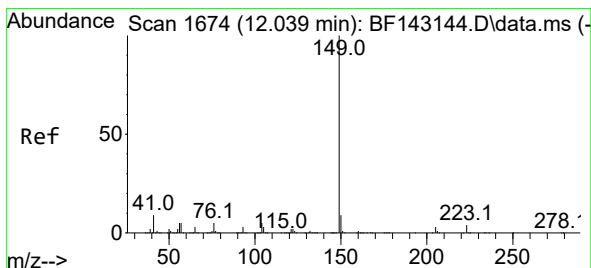
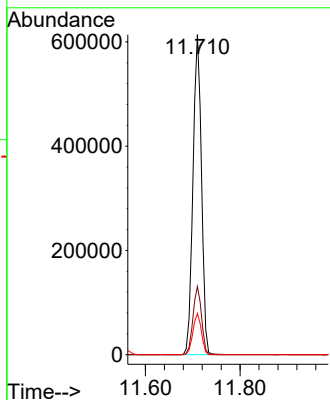
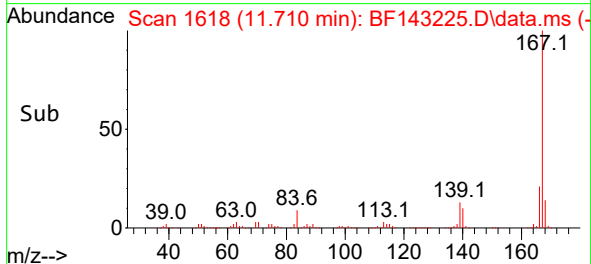
Instrument :
BNA_F
ClientSampleId :
PB168981BS



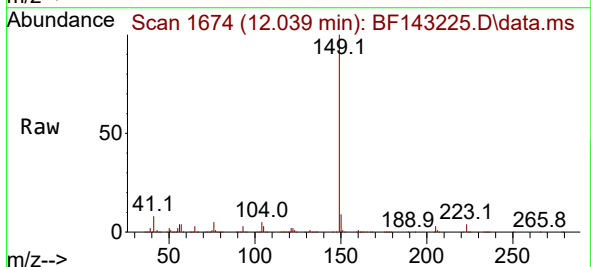
Tgt Ion:167 Resp: 767300
Ion Ratio Lower Upper
167 100
166 21.3 17.0 25.6
139 12.8 10.0 15.0

Manual Integrations
APPROVED

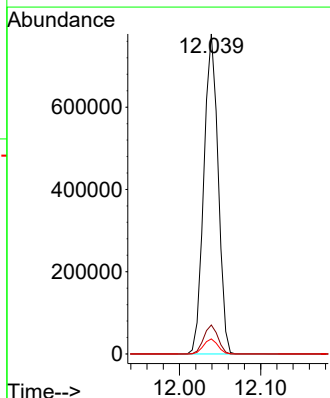
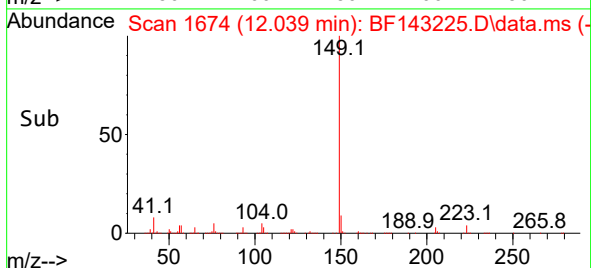
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

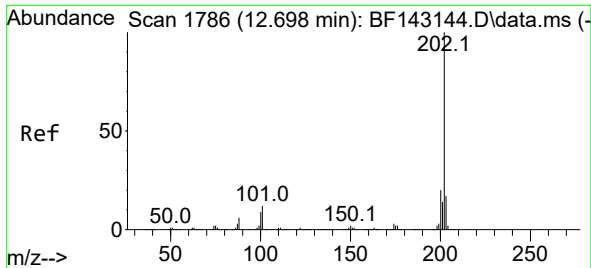


#74
Di-n-butylphthalate
Concen: 49.654 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58



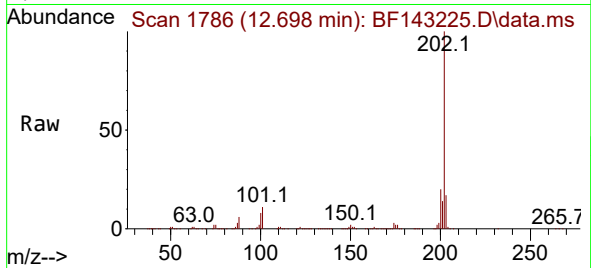
Tgt Ion:149 Resp: 946624
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.2
104 4.7 3.8 5.8





#75
Fluoranthene
Concen: 48.957 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

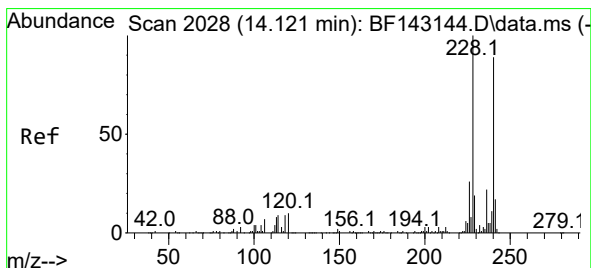
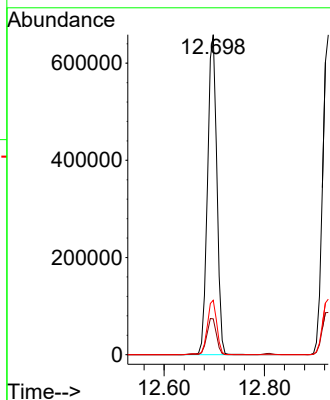
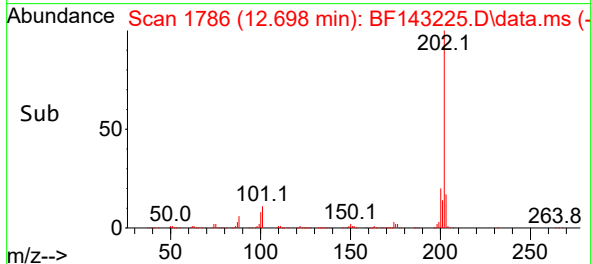
Instrument :
BNA_F
ClientSampleId :
PB168981BS



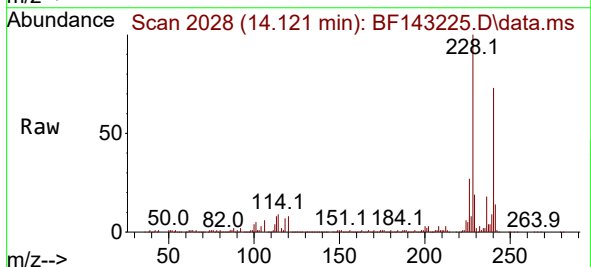
Tgt Ion:202 Resp: 850154
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.7
203 17.0 0.0 37.4

Manual Integrations
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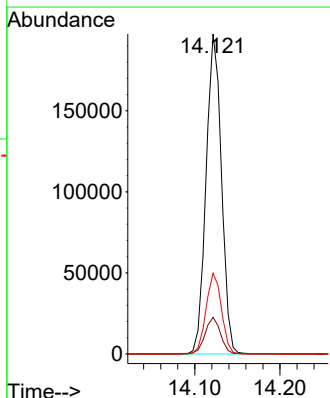
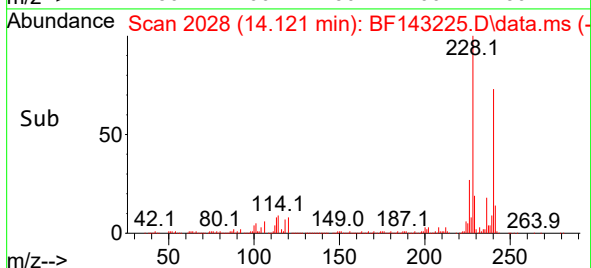
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

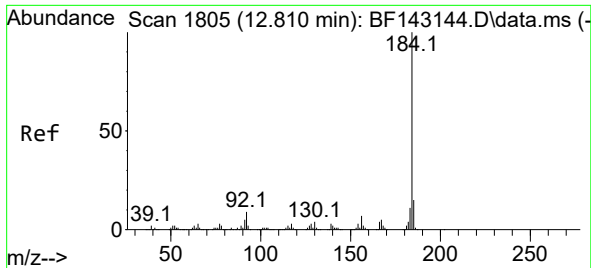


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58



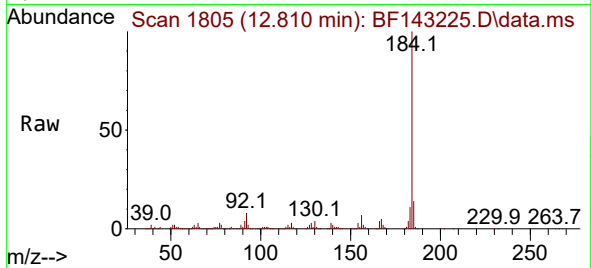
Tgt Ion:240 Resp: 247429
Ion Ratio Lower Upper
240 100
120 11.5 9.4 14.2
236 25.2 20.2 30.4





#77
Benzidine
Concen: 47.924 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

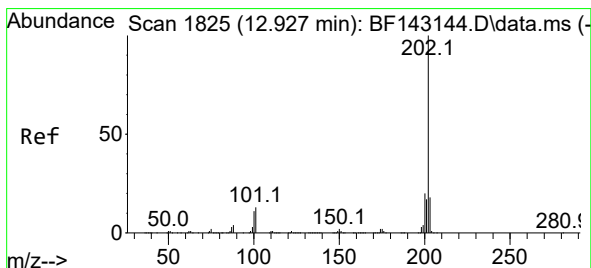
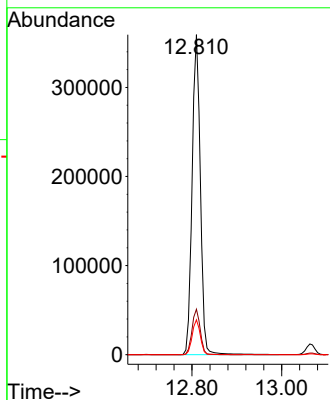
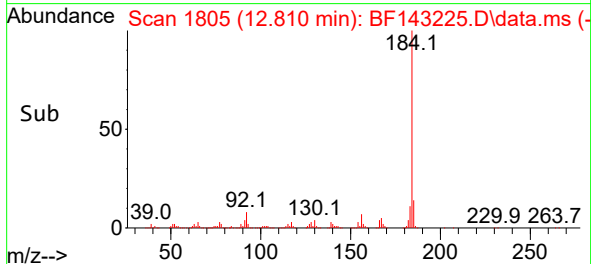
Instrument :
BNA_F
ClientSampleId :
PB168981BS



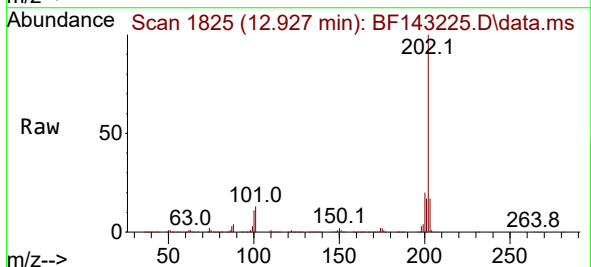
Tgt Ion:184 Resp: 45684
Ion Ratio Lower Upper
184 100
185 14.2 12.2 18.4
183 10.9 9.0 13.4

Manual Integrations
APPROVED

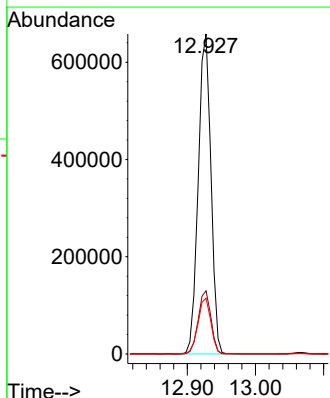
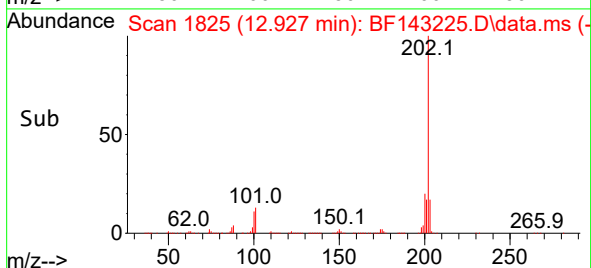
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

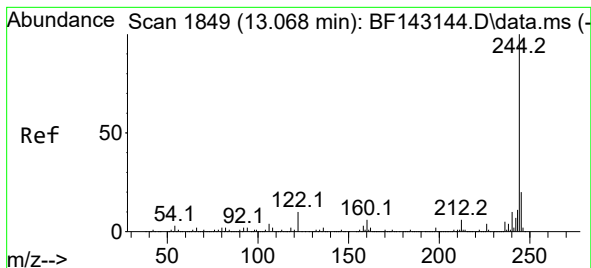


#78
Pyrene
Concen: 40.145 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58



Tgt Ion:202 Resp: 847736
Ion Ratio Lower Upper
202 100
200 19.7 15.7 23.5
203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 74.758 ng

RT: 13.063 min Scan# 1849

Delta R.T. -0.006 min

Lab File: BF143225.D

Acq: 24 Jul 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB168981BS

Tgt Ion:244 Resp: 124301

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

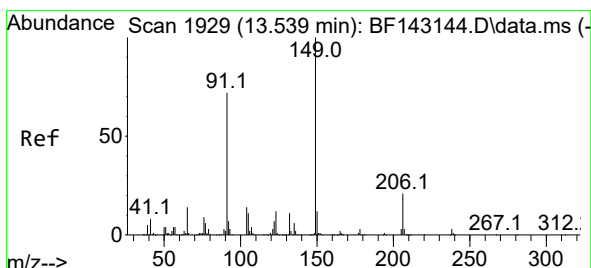
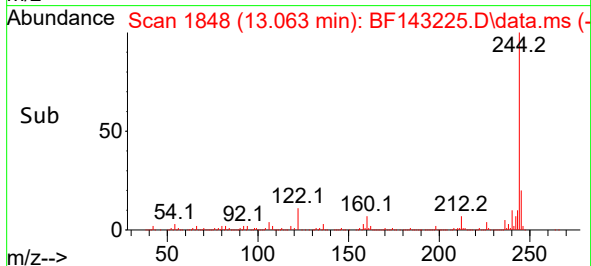
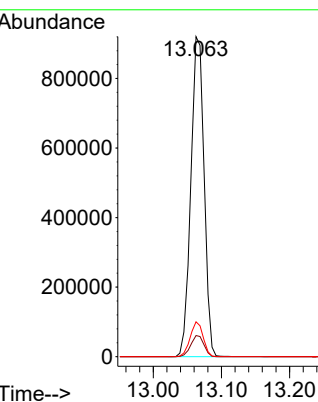
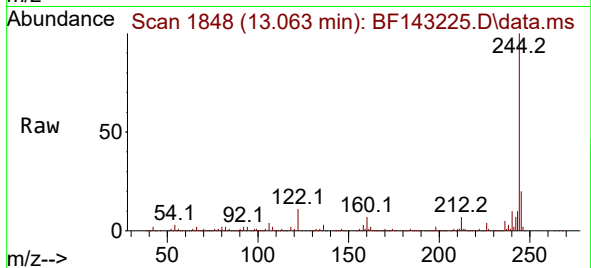
122 10.9 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/25/2025

Supervised By :Jagrut Upadhyay 07/25/2025



#80

Butylbenzylphthalate

Concen: 54.765 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143225.D

Acq: 24 Jul 2025 10:58

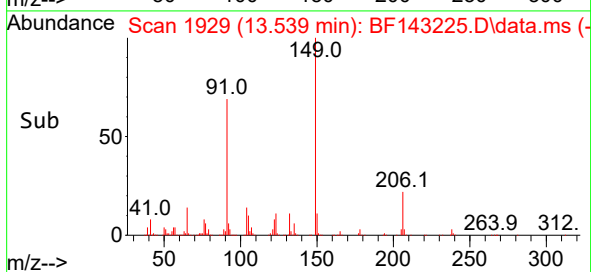
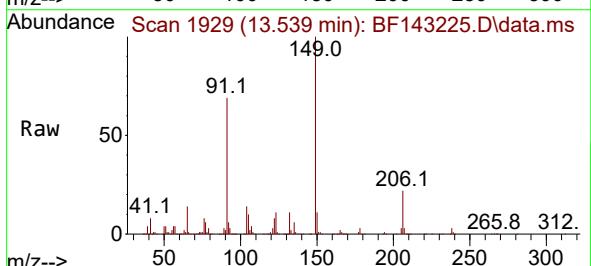
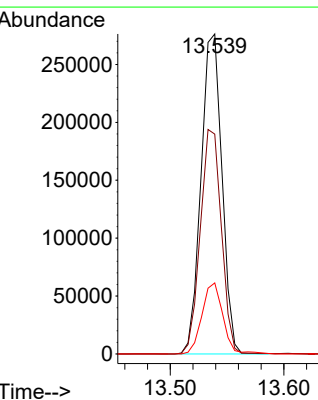
Tgt Ion:149 Resp: 354124

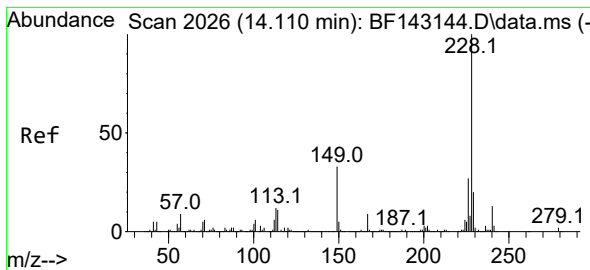
Ion Ratio Lower Upper

149 100

91 68.7 57.9 86.9

206 22.2 17.0 25.4





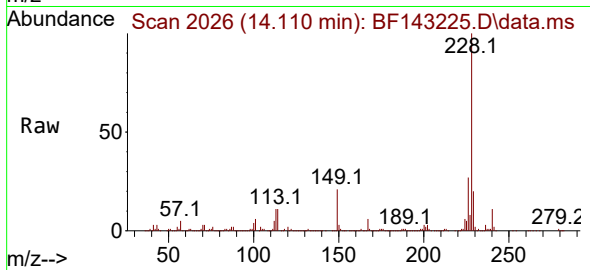
#81
Benzo(a)anthracene
Concen: 43.108 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB168981BS



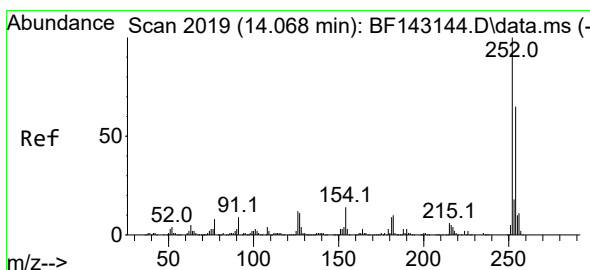
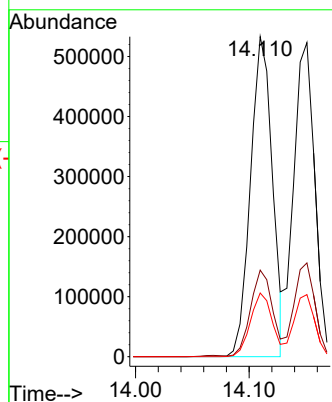
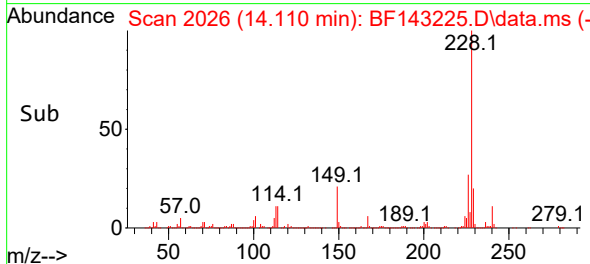
Tgt Ion:228 Resp: 714110
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.9 15.8 23.6

Manual Integrations

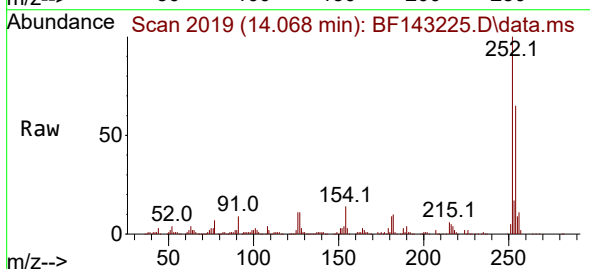
APPROVED

Reviewed By :Rahul Chavli 07/25/2025

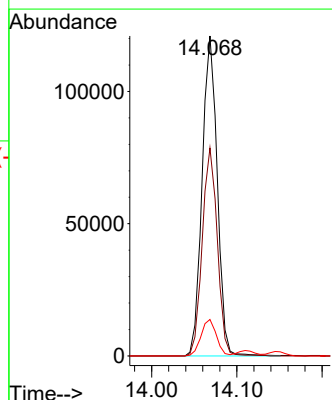
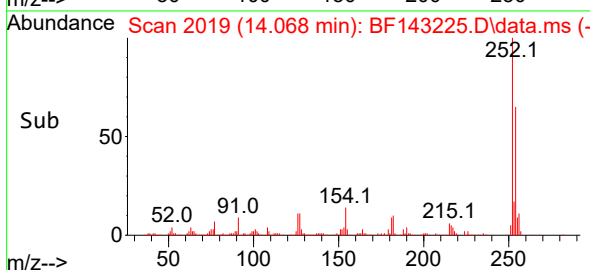
Supervised By :Jagrut Upadhyay 07/25/2025

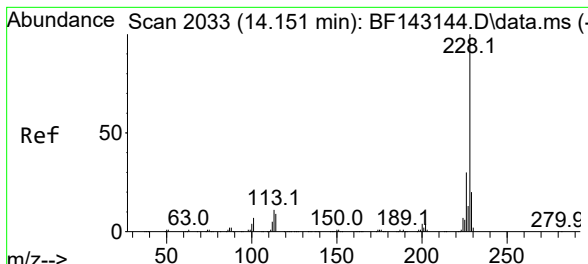


#82
3,3'-Dichlorobenzidine
Concen: 27.042 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58



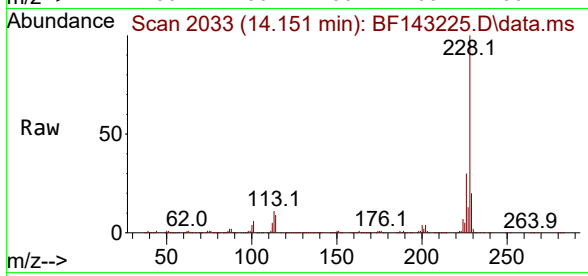
Tgt Ion:252 Resp: 149301
Ion Ratio Lower Upper
252 100
254 65.0 51.7 77.5
126 11.4 9.4 14.0





#83
 Chrysene
 Concen: 45.245 ng
 RT: 14.151 min Scan# 2033
 Delta R.T. 0.000 min
 Lab File: BF143225.D
 Acq: 24 Jul 2025 10:58

Instrument : BNA_F
 ClientSampleId : PB168981BS

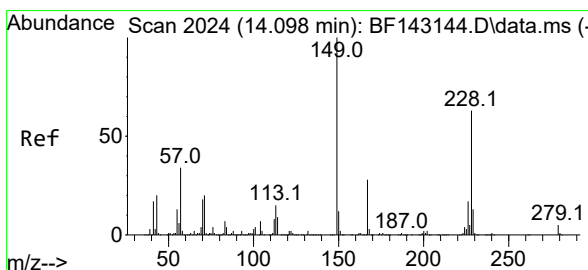
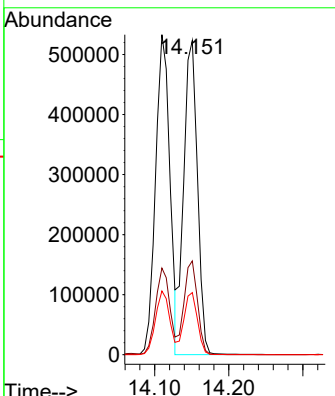
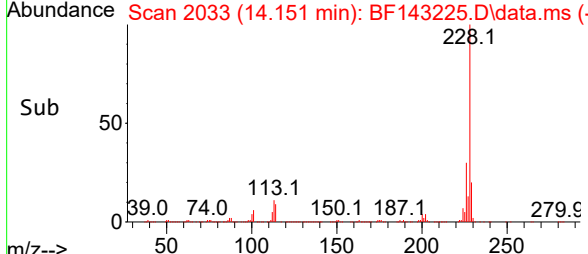


Tgt Ion: 228 Resp: 673878

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	19.8	15.6	23.4

Manual Integrations
 APPROVED

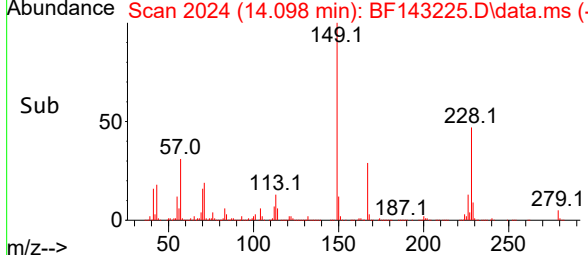
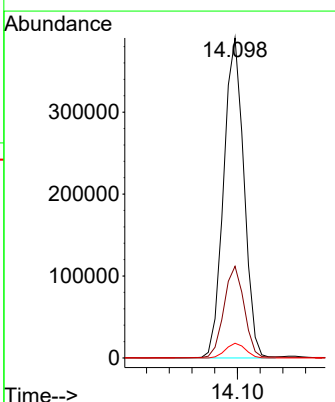
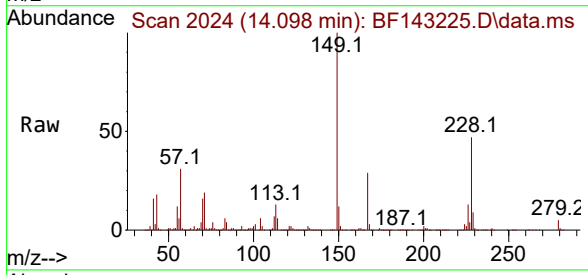
Reviewed By :Rahul Chavli 07/25/2025
 Supervised By :Jagrut Upadhyay 07/25/2025

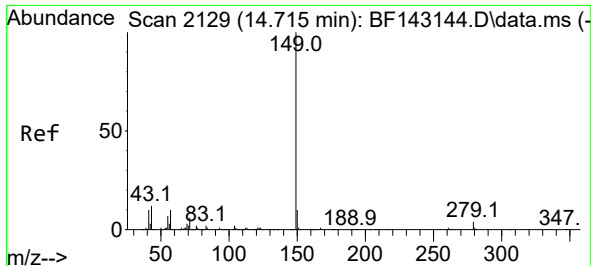


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 49.379 ng
 RT: 14.098 min Scan# 2024
 Delta R.T. 0.000 min
 Lab File: BF143225.D
 Acq: 24 Jul 2025 10:58

Tgt Ion: 149 Resp: 483284

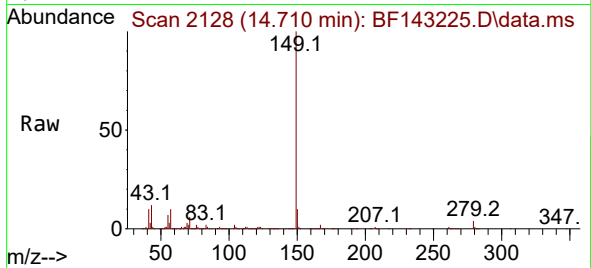
Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.3	33.5
279	4.6	3.6	5.4





#85
Di-n-octyl phthalate
Concen: 46.297 ng
RT: 14.710 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

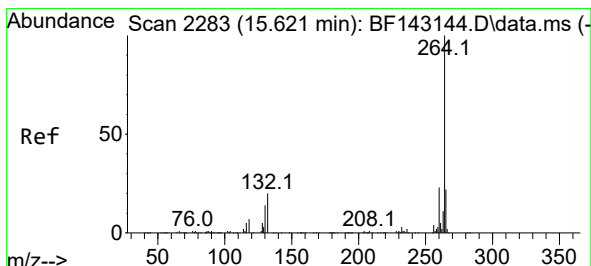
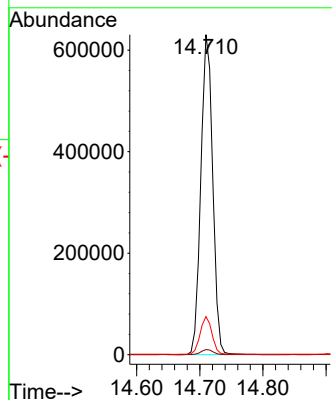
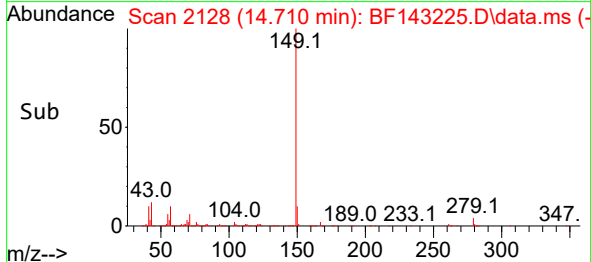
Instrument :
BNA_F
ClientSampleId :
PB168981BS



Tgt Ion:149 Resp: 821338
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 11.7 9.7 14.5

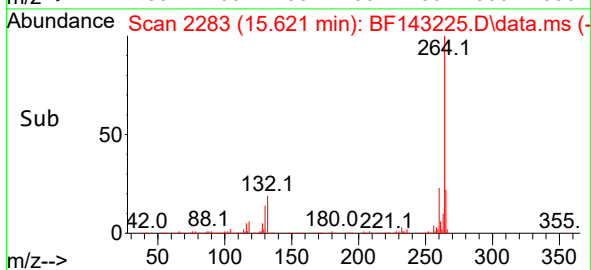
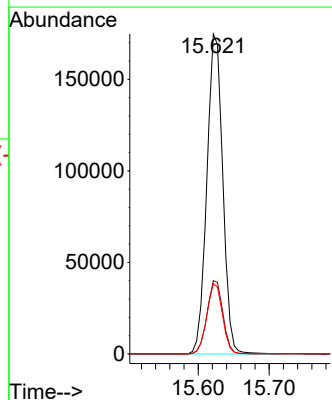
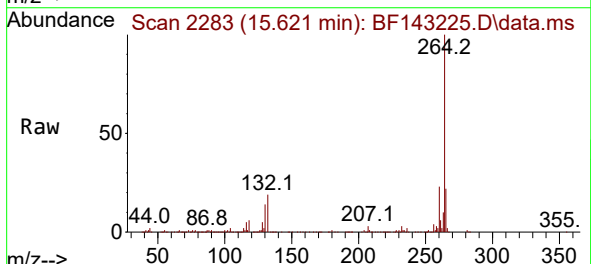
Manual Integrations
APPROVED

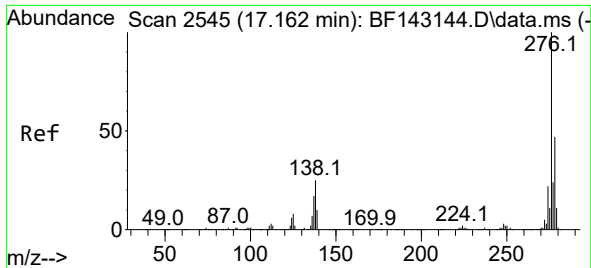
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Tgt Ion:264 Resp: 272351
Ion Ratio Lower Upper
264 100
260 22.9 18.5 27.7
265 22.0 17.4 26.2





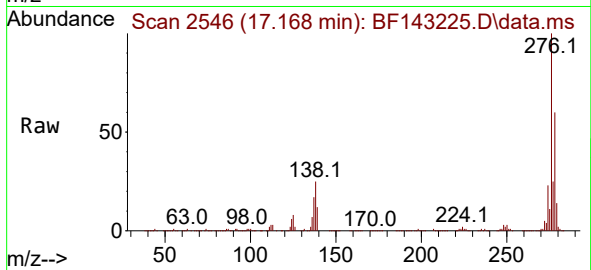
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 44.270 ng
 RT: 17.168 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF143225.D
 Acq: 24 Jul 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB168981BS



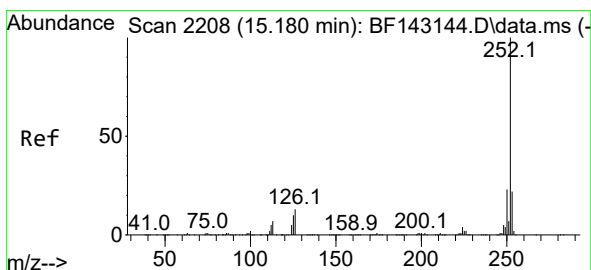
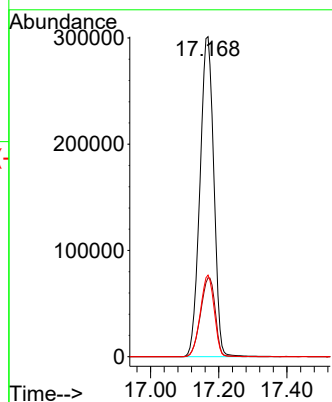
Tgt Ion: 276 Resp: 850172
 Ion Ratio Lower Upper
 276 100
 138 26.1 21.8 32.6
 277 25.5 20.0 30.0

Manual Integrations

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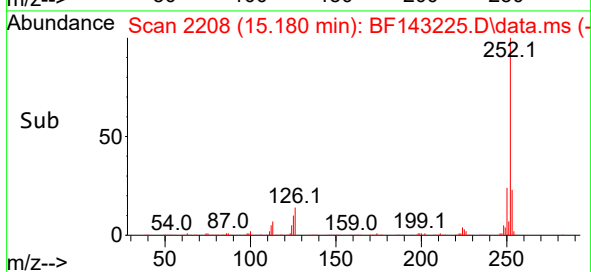
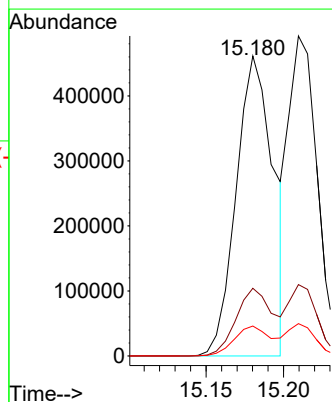
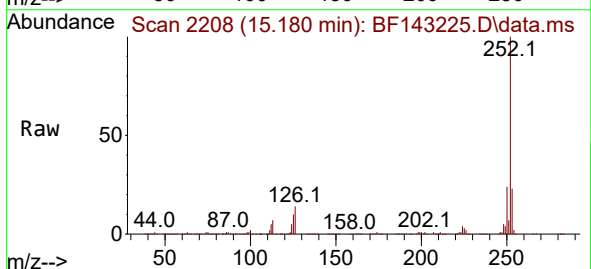
Reviewed By :Rahul Chavli 07/25/2025

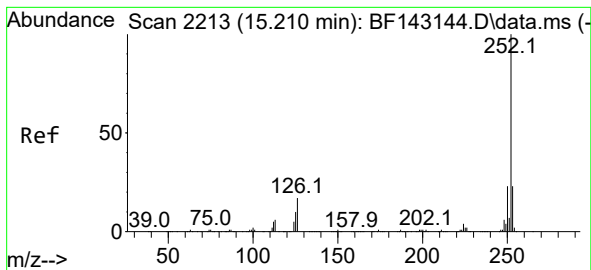
Supervised By :Jagrut Upadhyay 07/25/2025



#88
 Benzo(b)fluoranthene
 Concen: 46.314 ng
 RT: 15.180 min Scan# 2208
 Delta R.T. 0.000 min
 Lab File: BF143225.D
 Acq: 24 Jul 2025 10:58

Tgt Ion: 252 Resp: 770576
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.5 26.3
 125 10.0 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 42.512 ng

RT: 15.210 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143225.D

Acq: 24 Jul 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB168981BS

Tgt Ion:252 Resp: 63118

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

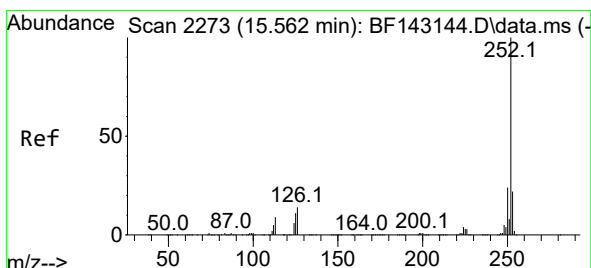
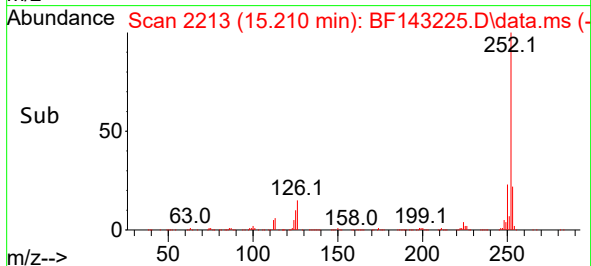
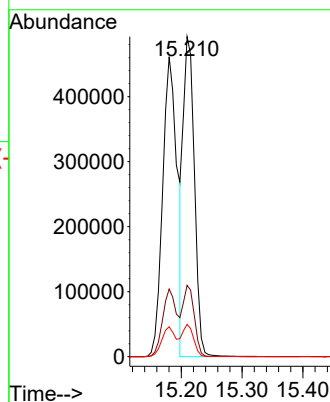
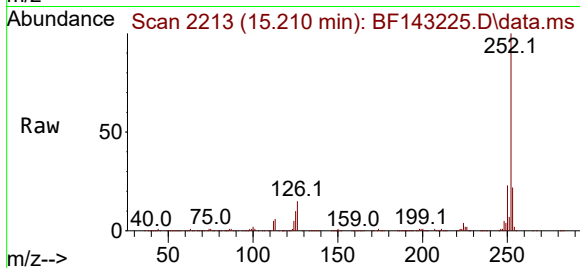
125 10.1 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/25/2025

Supervised By :Jagrut Upadhyay 07/25/2025



#90

Benzo(a)pyrene

Concen: 45.033 ng

RT: 15.562 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF143225.D

Acq: 24 Jul 2025 10:58

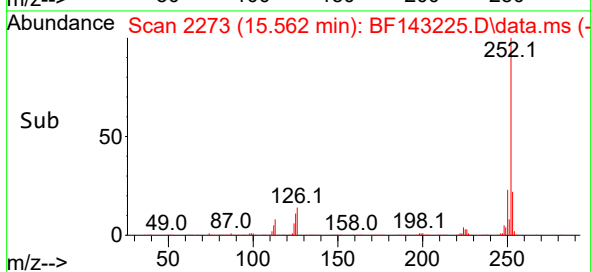
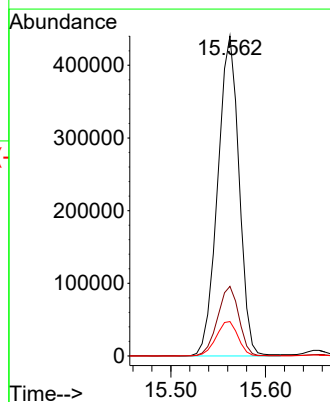
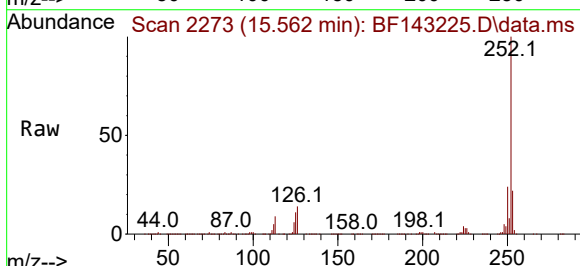
Tgt Ion:252 Resp: 690330

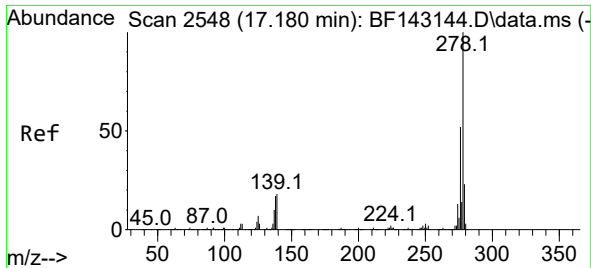
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

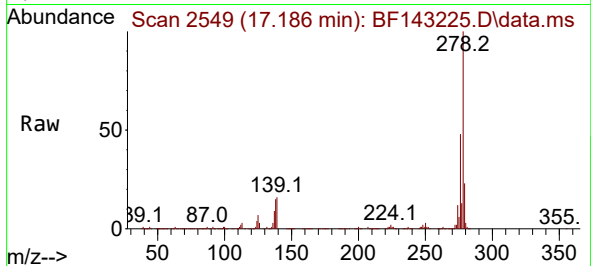
125 10.7 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 44.314 ng
RT: 17.186 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

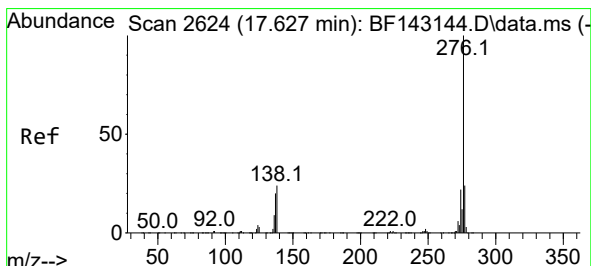
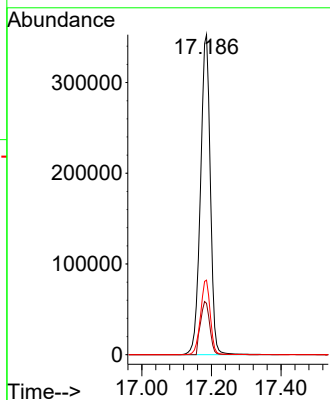
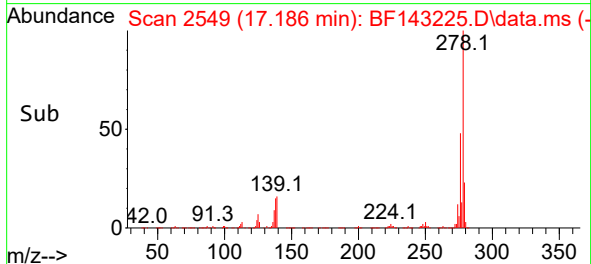
Instrument :
BNA_F
ClientSampleId :
PB168981BS



Tgt Ion:278 Resp: 69267
Ion Ratio Lower Upper
278 100
139 16.0 14.1 21.1
279 23.3 18.6 28.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#92
Benzo(g,h,i)perylene
Concen: 45.098 ng
RT: 17.633 min Scan# 2625
Delta R.T. 0.006 min
Lab File: BF143225.D
Acq: 24 Jul 2025 10:58

Tgt Ion:276 Resp: 681897
Ion Ratio Lower Upper
276 100
277 23.5 19.1 28.7
138 22.6 18.9 28.3

