

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
 Data File : BF144131.D
 Acq On : 29 Oct 2025 16:32
 Operator : RC/JU
 Sample : Q3469-01MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-13MSD

Quant Time: Oct 29 16:54:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 10/30/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	55386	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	217401	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	121422	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	206304	20.000	ng	0.00
76) Chrysene-d12	14.057	240	148079	20.000	ng	0.00
86) Perylene-d12	15.539	264	188765	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	321907	91.953	ng	0.00
7) Phenol-d6	6.504	99	359560	93.000	ng	0.00
23) Nitrobenzene-d5	7.439	82	238989	60.227	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	141040	91.189	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	514348	59.610	ng	0.00
79) Terphenyl-d14	12.992	244	503677	59.464	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.693	88	68318	45.161	ng	96
3) Pyridine	3.457	79	187144	46.209	ng	100
4) n-Nitrosodimethylamine	3.404	42	119949	48.200	ng	93
6) Aniline	6.539	93	176110	31.840	ng	99
8) 2-Chlorophenol	6.663	128	171396	49.715	ng	99
9) Benzaldehyde	6.428	77	82600	27.517	ng	96
10) Phenol	6.522	94	238796	50.064	ng	96
11) bis(2-Chloroethyl)ether	6.610	93	179946	52.209	ng	98
12) 1,3-Dichlorobenzene	6.816	146	216325	50.867	ng	100
13) 1,4-Dichlorobenzene	6.892	146	220777	52.677	ng	99
14) 1,2-Dichlorobenzene	7.045	146	209424	51.642	ng	99
15) Benzyl Alcohol	7.016	79	173624	55.229	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	340455	52.558	ng	99
17) 2-Methylphenol	7.128	107	140717	53.069	ng	94
18) Hexachloroethane	7.386	117	71458	47.689	ng	97
19) n-Nitroso-di-n-propyla...	7.286	70	134760	53.901	ng	95
20) 3+4-Methylphenols	7.281	107	161500	51.522	ng	# 87
22) Acetophenone	7.286	105	260801	55.510	ng	95
24) Nitrobenzene	7.457	77	206008	49.077	ng	99
25) Isophorone	7.698	82	358096	51.618	ng	99
26) 2-Nitrophenol	7.775	139	102324	51.241	ng	93
27) 2,4-Dimethylphenol	7.810	122	163956	55.250	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	223448	51.648	ng	99
29) 2,4-Dichlorophenol	8.016	162	169375	49.080	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	179782	50.639	ng	100
31) Naphthalene	8.181	128	491660	47.917	ng	99
32) Benzoic acid	7.933	122	112668	59.856	ng	87
33) 4-Chloroaniline	8.233	127	50260	14.071	ng	97
34) Hexachlorobutadiene	8.298	225	132792	45.743	ng	100
35) Caprolactam	8.598	113	50533m	58.393	ng	
36) 4-Chloro-3-methylphenol	8.716	107	161197	52.931	ng	96
37) 2-Methylnaphthalene	8.875	142	317964	47.001	ng	99
38) 1-Methylnaphthalene	8.975	142	310373	48.426	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	210898	50.538	ng	98
41) Hexachlorocyclopentadiene	9.028	237	155867	120.930	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	134463	49.573	ng	96

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
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Manual Integrations
 APPROVED

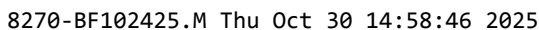
Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 10/30/2025

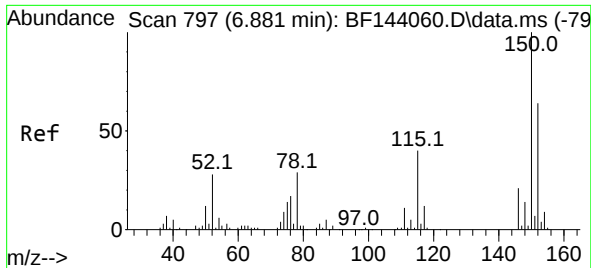
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	146079	51.315	ng	94
46) 1,1'-Biphenyl	9.339	154	451713	51.969	ng	100
47) 2-Chloronaphthalene	9.363	162	349103	47.941	ng	97
48) 2-Nitroaniline	9.463	65	112870	52.198	ng	95
49) Acenaphthylene	9.780	152	554769	56.502	ng	99
50) Dimethylphthalate	9.639	163	425077	53.409	ng	99
51) 2,6-Dinitrotoluene	9.704	165	88711	56.381	ng	93
52) Acenaphthene	9.951	154	335585	51.177	ng	98
53) 3-Nitroaniline	9.875	138	51944	29.693	ng	99
54) 2,4-Dinitrophenol	9.980	184	84139	98.870	ng	95
55) Dibenzofuran	10.127	168	446708	49.071	ng	98
56) 4-Nitrophenol	10.039	139	116715	98.528	ng	90
57) 2,4-Dinitrotoluene	10.110	165	120464	56.728	ng	94
58) Fluorene	10.469	166	350715	50.562	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	110874m	55.271	ng	
60) Diethylphthalate	10.339	149	403388	53.894	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	197575	50.651	ng	98
62) 4-Nitroaniline	10.486	138	85488	51.576	ng	95
63) Azobenzene	10.622	77	400552	56.541	ng	95
65) 4,6-Dinitro-2-methylph...	10.516	198	64592	48.800	ng	97
66) n-Nitrosodiphenylamine	10.580	169	343737	52.149	ng	98
67) 4-Bromophenyl-phenylether	10.951	248	131024	50.725	ng	96
68) Hexachlorobenzene	11.016	284	160382	50.627	ng	97
69) Atrazine	11.104	200	118406	54.742	ng	97
70) Pentachlorophenol	11.216	266	153682	101.916	ng	98
71) Phenanthrene	11.433	178	523618	51.093	ng	99
72) Anthracene	11.486	178	527695	49.845	ng	99
73) Carbazole	11.639	167	446428	49.543	ng	99
74) Di-n-butylphthalate	11.969	149	576013	52.138	ng	99
75) Fluoranthene	12.621	202	558248	49.305	ng	99
77) Benzidine	12.745	184	198536	43.081	ng	98
78) Pyrene	12.857	202	574988	54.011	ng	99
80) Butylbenzylphthalate	13.468	149	210648	52.302	ng	97
81) Benzo(a)anthracene	14.045	228	553718	55.332	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	92388	26.521	ng	98
83) Chrysene	14.080	228	512042	54.526	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	293458	53.373	ng	99
85) Di-n-octyl phthalate	14.639	149	519005	54.889	ng	100
87) Indeno(1,2,3-cd)pyrene	17.045	276	564415	43.551	ng	99
88) Benzo(b)fluoranthene	15.104	252	646577	60.589	ng	99
89) Benzo(k)fluoranthene	15.133	252	511256	51.926	ng	100
90) Benzo(a)pyrene	15.480	252	561132	58.612	ng	100
91) Dibenzo(a,h)anthracene	17.062	278	455578	44.409	ng	99
92) Benzo(g,h,i)perylene	17.498	276	416837	40.415	ng	98

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

Manual Integrations APPROVED

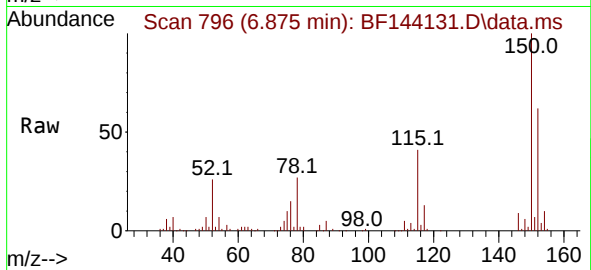
Quant Time: Oct 29 16:54:41 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF144131.D
 Acq: 29 Oct 2025 16:32

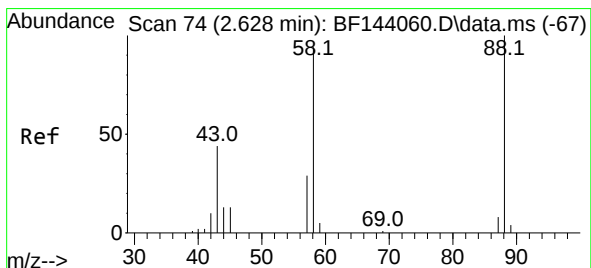
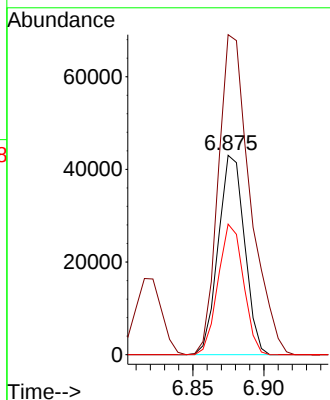
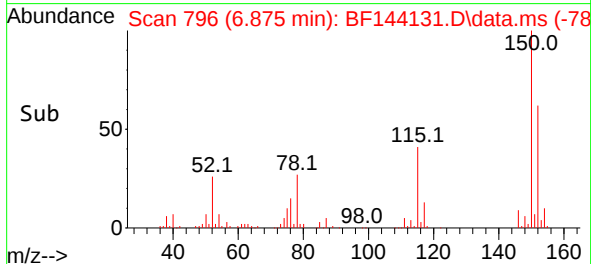
Instrument :
 BNA_F
 ClientSampleId :
 TP-13MSD



Tgt Ion:152 Resp: 55380
 Ion Ratio Lower Upper
 152 100
 150 160.5 124.4 186.6
 115 65.5 49.4 74.0

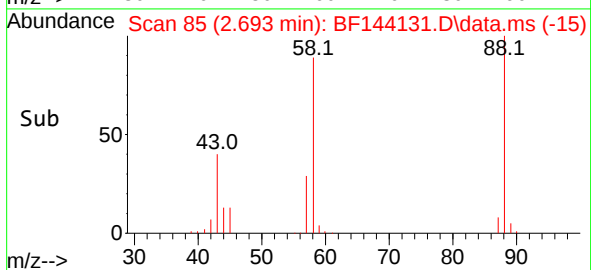
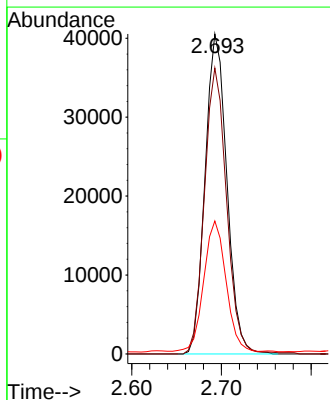
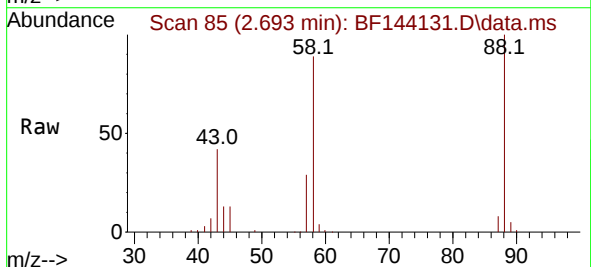
Manual Integrations
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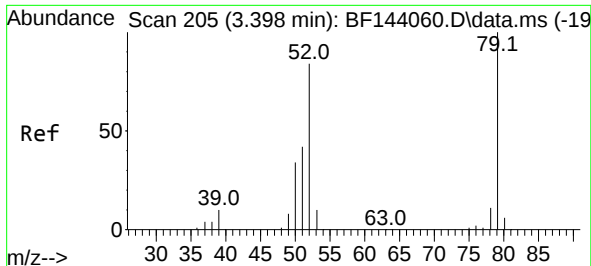
Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 10/30/2025



#2
 1,4-Dioxane
 Concen: 45.161 ng
 RT: 2.693 min Scan# 85
 Delta R.T. 0.065 min
 Lab File: BF144131.D
 Acq: 29 Oct 2025 16:32

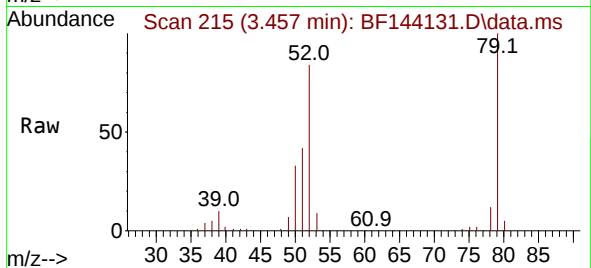
Tgt Ion: 88 Resp: 68318
 Ion Ratio Lower Upper
 88 100
 58 91.2 76.5 114.7
 43 41.4 35.3 52.9





#3
Pyridine
Concen: 46.209 ng
RT: 3.457 min Scan# 215
Delta R.T. 0.059 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

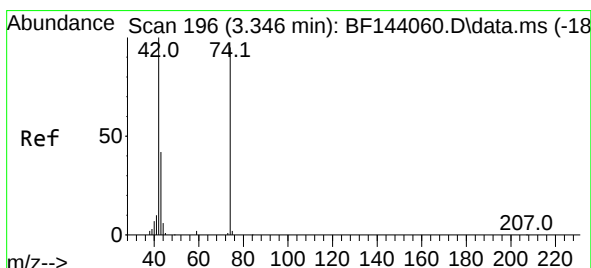
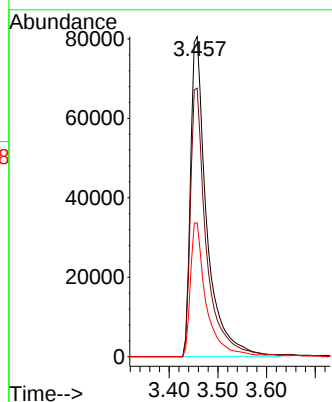
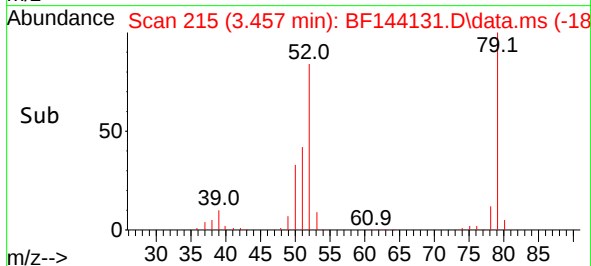
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



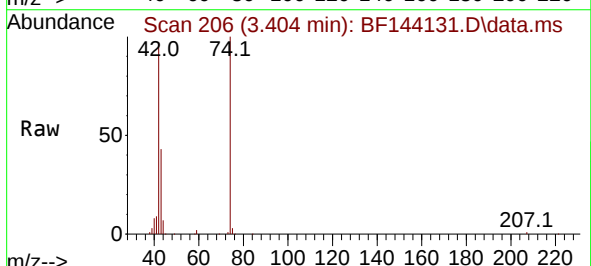
Tgt Ion: 79 Resp: 187144
Ion Ratio Lower Upper
79 100
52 83.9 67.5 101.3
51 41.8 33.6 50.4

Manual Integrations
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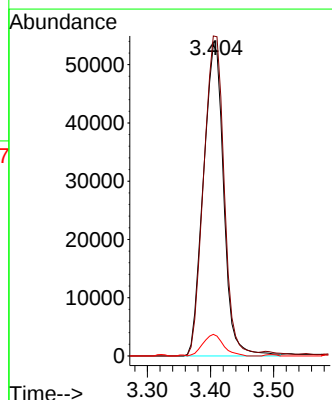
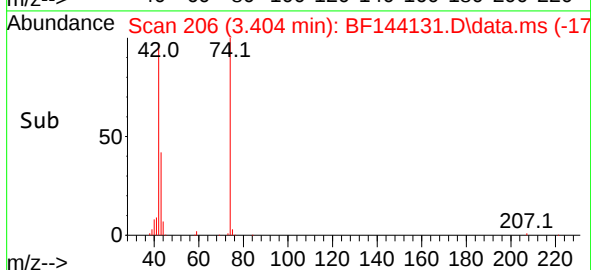
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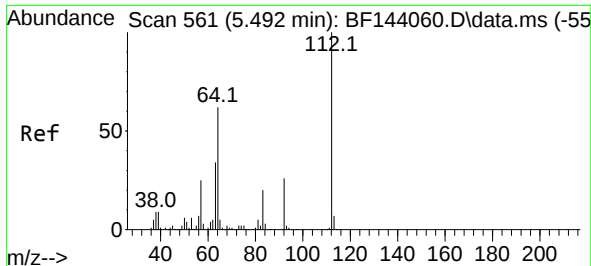


#4
n-Nitrosodimethylamine
Concen: 48.200 ng
RT: 3.404 min Scan# 206
Delta R.T. 0.059 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32



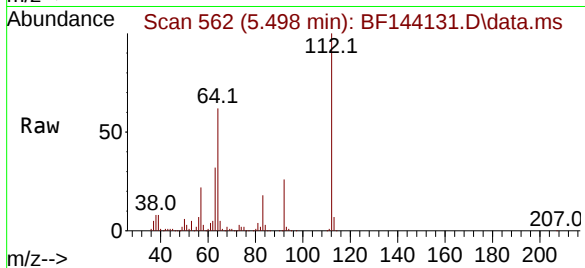
Tgt Ion: 42 Resp: 119949
Ion Ratio Lower Upper
42 100
74 102.8 76.4 114.6
44 6.9 5.2 7.8





#5
2-Fluorophenol
Concen: 91.953 ng
RT: 5.498 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

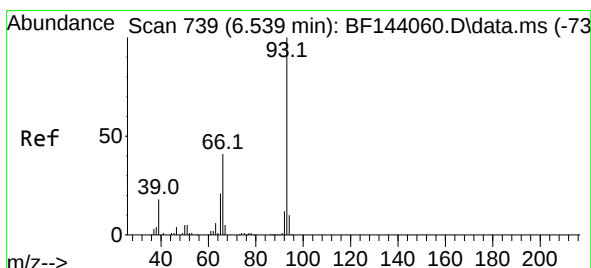
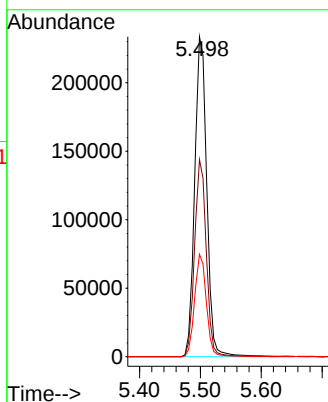
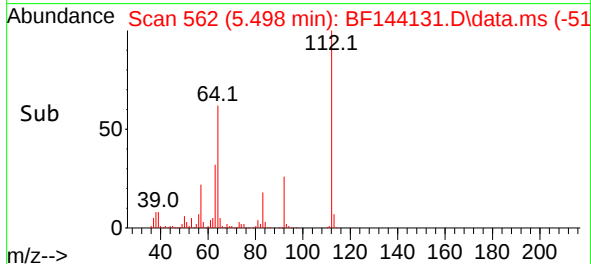
Instrument :
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ClientSampleId :
TP-13MSD



Tgt Ion: 112 Resp: 32190
Ion Ratio Lower Upper
112 100
64 61.6 49.8 74.8
63 32.0 27.4 41.2

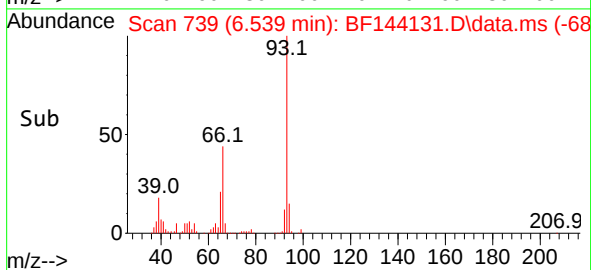
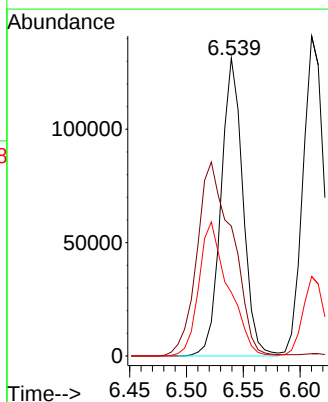
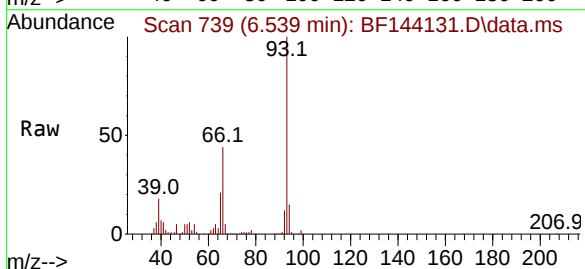
Manual Integrations
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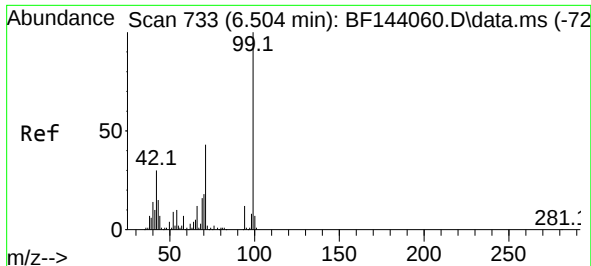
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#6
Aniline
Concen: 31.840 ng
RT: 6.539 min Scan# 739
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

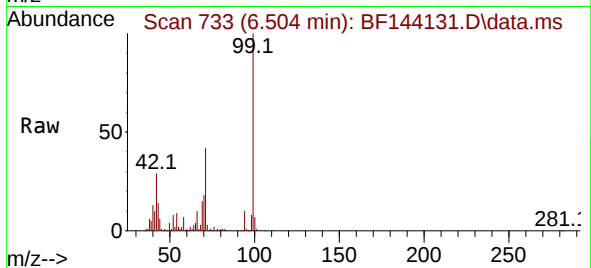
Tgt Ion: 93 Resp: 176110
Ion Ratio Lower Upper
93 100
66 43.6 35.7 53.5
65 21.3 17.0 25.6





#7
Phenol-d6
Concen: 93.000 ng
RT: 6.504 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

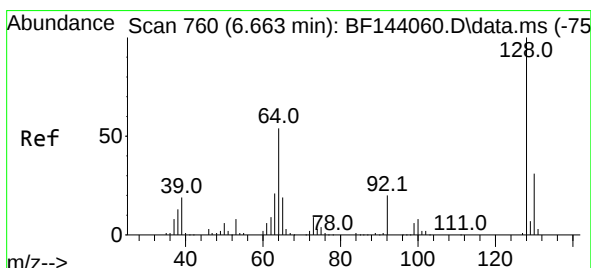
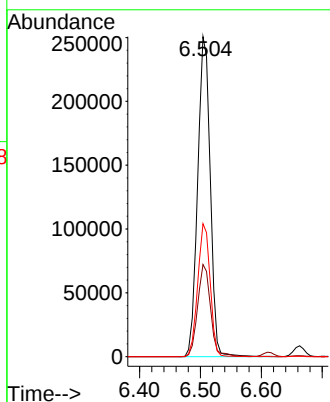
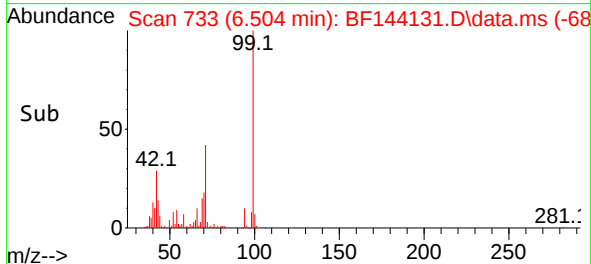
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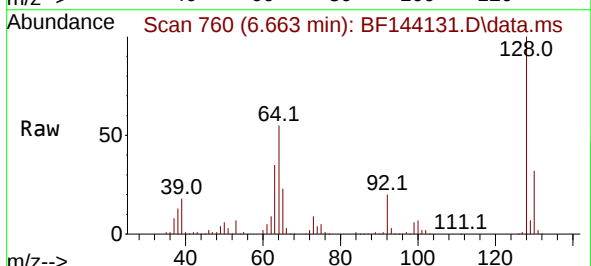
Tgt Ion: 99 Resp: 359560
Ion Ratio Lower Upper
99 100
42 28.8 23.9 35.9
71 41.5 34.4 51.6

Manual Integrations
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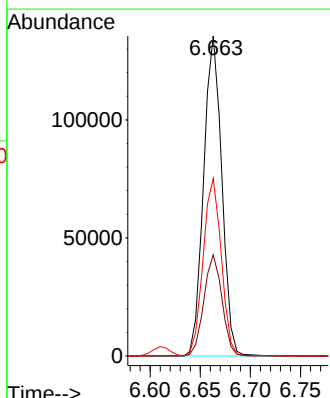
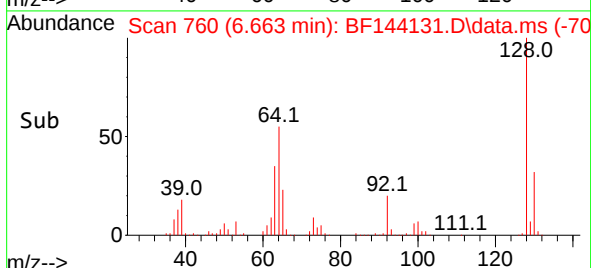
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

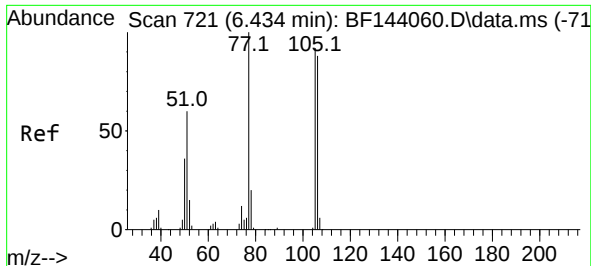


#8
2-Chlorophenol
Concen: 49.715 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32



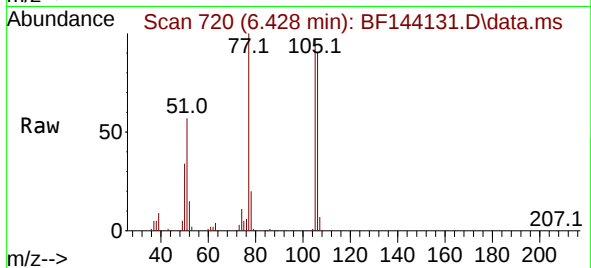
Tgt Ion:128 Resp: 171396
Ion Ratio Lower Upper
128 100
130 31.6 10.7 50.7
64 55.4 34.7 74.7





#9
Benzaldehyde
Concen: 27.517 ng
RT: 6.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

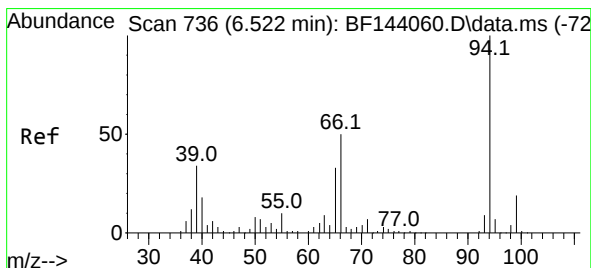
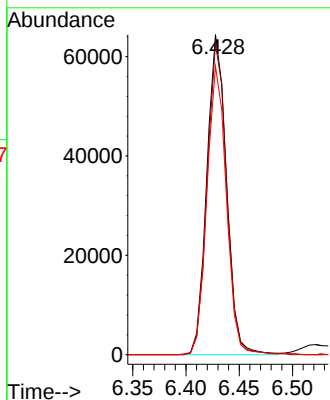
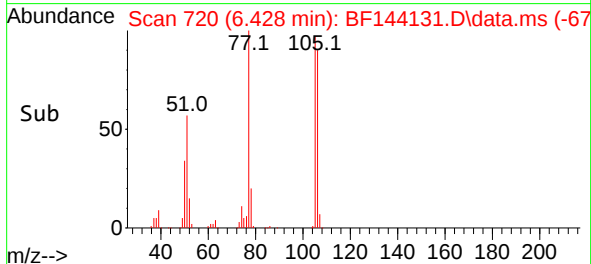
Instrument :
BNA_F
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TP-13MSD



Tgt Ion: 77 Resp: 82600
Ion Ratio Lower Upper
77 100
105 97.2 72.2 112.2
106 90.2 67.9 107.9

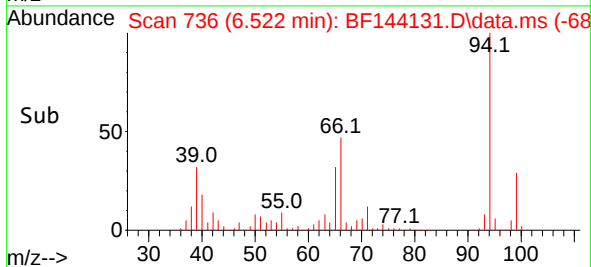
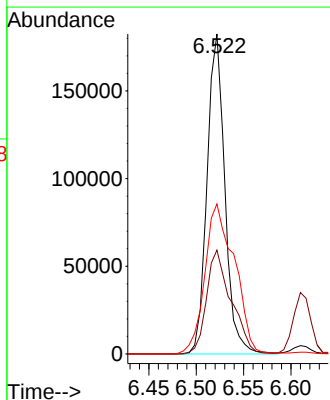
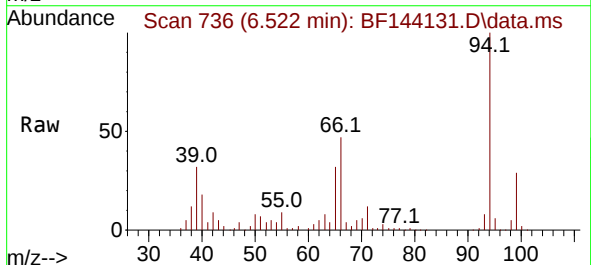
Manual Integrations
APPROVED

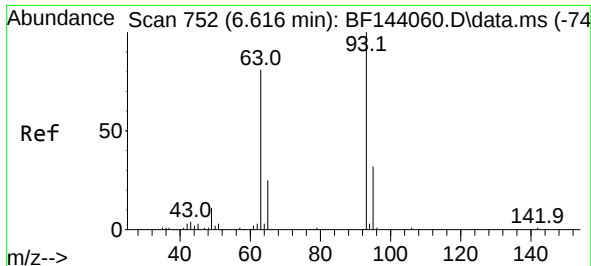
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#10
Phenol
Concen: 50.064 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

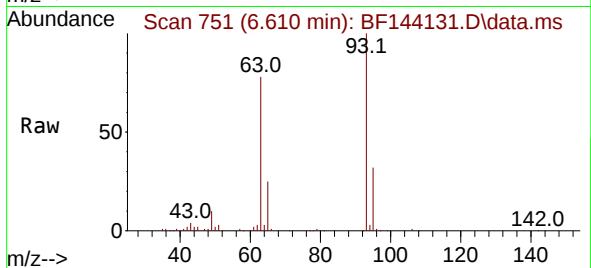
Tgt Ion: 94 Resp: 238796
Ion Ratio Lower Upper
94 100
65 32.4 13.1 53.1
66 46.9 30.6 70.6





#11
bis(2-Chloroethyl)ether
Concen: 52.209 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

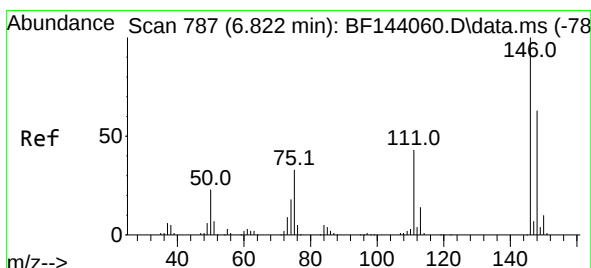
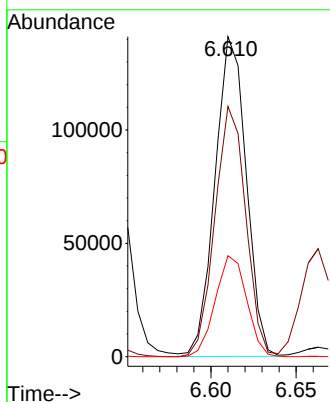
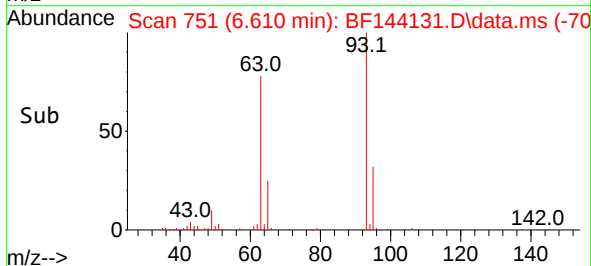
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



Tgt Ion: 93 Resp: 179940
Ion Ratio Lower Upper
93 100
63 78.2 60.2 100.2
95 31.6 12.4 52.4

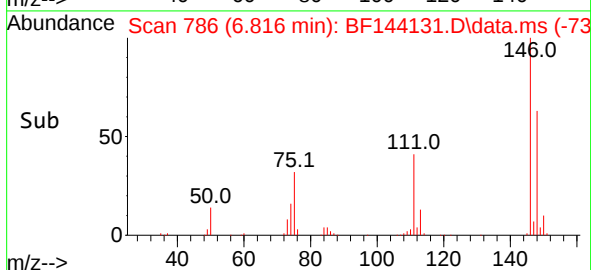
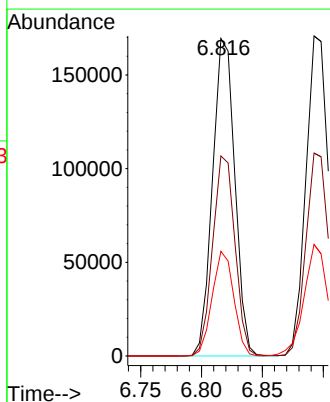
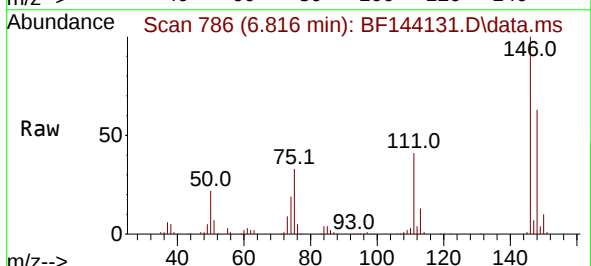
Manual Integrations
APPROVED

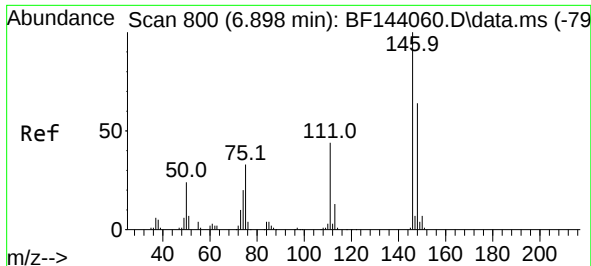
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#12
1,3-Dichlorobenzene
Concen: 50.867 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

Tgt Ion:146 Resp: 216325
Ion Ratio Lower Upper
146 100
148 63.0 50.6 75.8
75 32.9 26.6 40.0





#13

1,4-Dichlorobenzene

Concen: 52.677 ng

RT: 6.892 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

Instrument :

BNA_F

ClientSampleId :

TP-13MSD

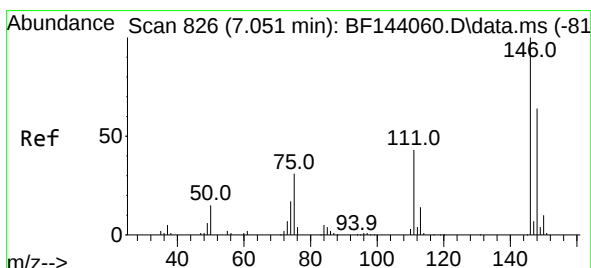
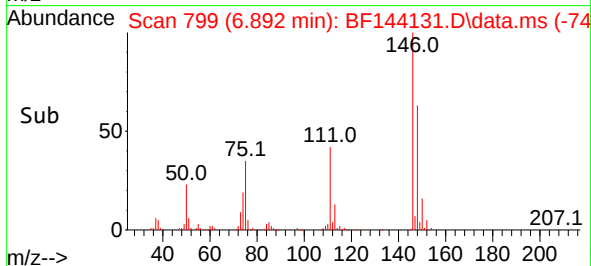
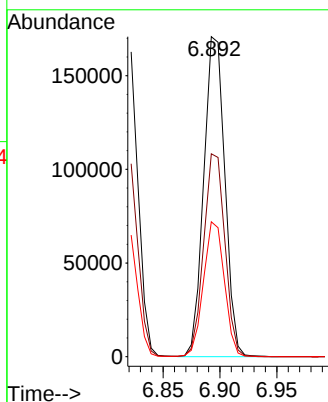
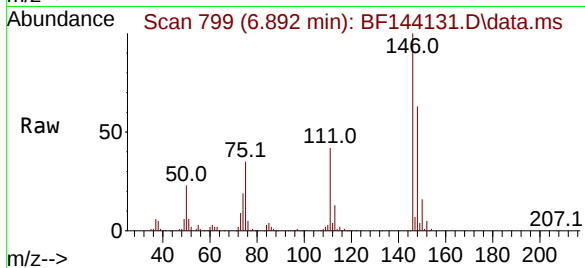
Tgt Ion:146 Resp: 220777
 Ion Ratio Lower Upper
 146 100
 148 63.4 51.0 76.6
 111 42.2 35.0 52.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#14

1,2-Dichlorobenzene

Concen: 51.642 ng

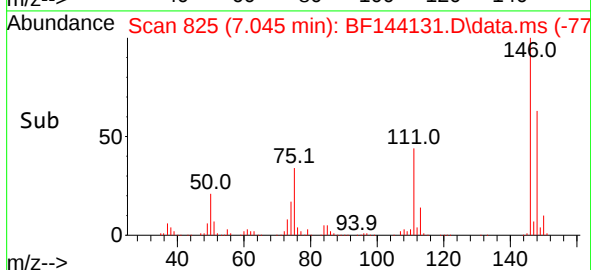
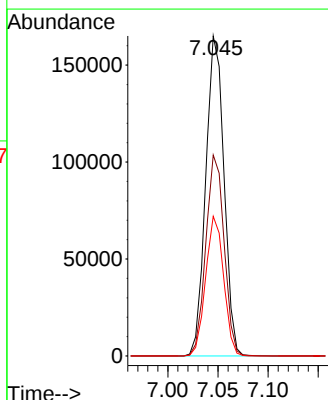
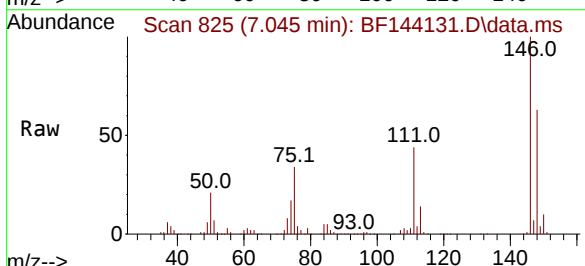
RT: 7.045 min Scan# 825

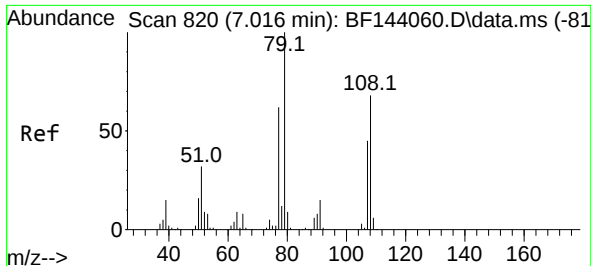
Delta R.T. -0.006 min

Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

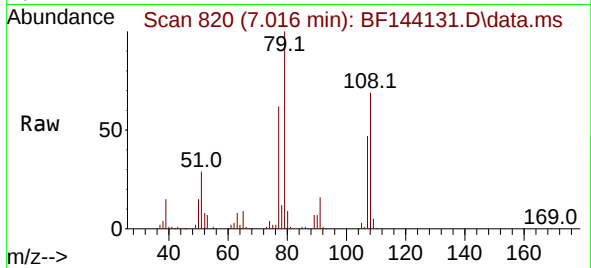
Tgt Ion:146 Resp: 209424
 Ion Ratio Lower Upper
 146 100
 148 62.8 50.8 76.2
 111 43.7 34.7 52.1





#15
Benzyl Alcohol
Concen: 55.229 ng
RT: 7.016 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

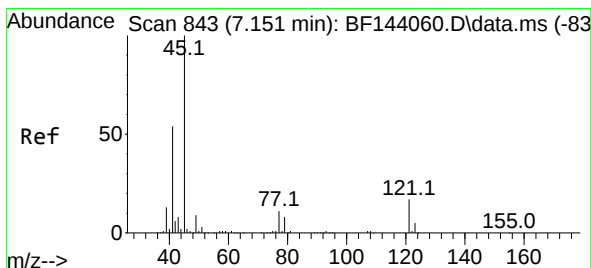
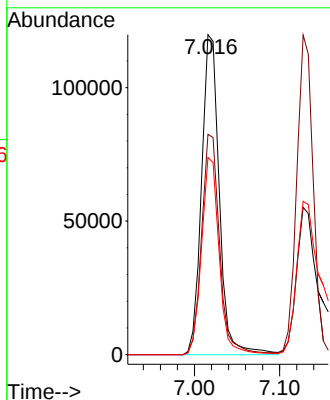
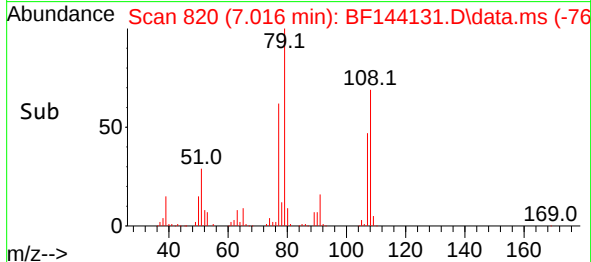
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



Tgt Ion: 79 Resp: 173624
Ion Ratio Lower Upper
79 100
108 68.9 54.8 82.2
77 61.6 49.4 74.0

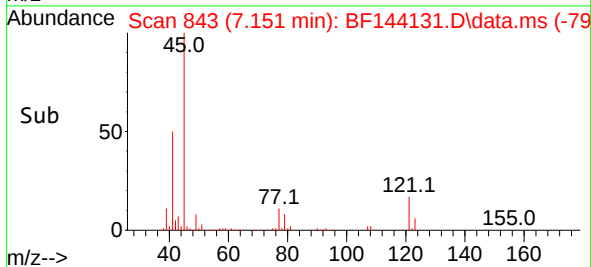
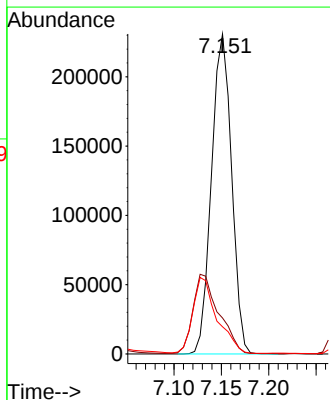
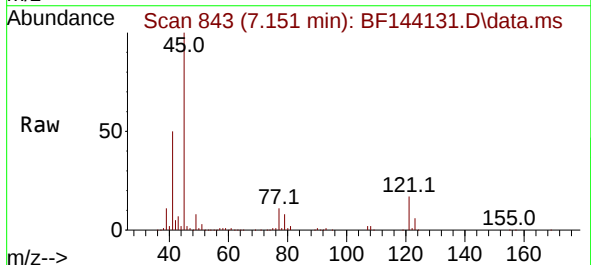
Manual Integrations
APPROVED

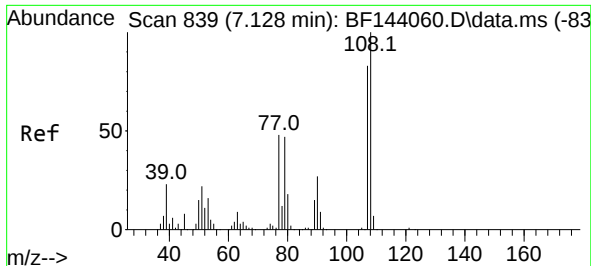
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.558 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

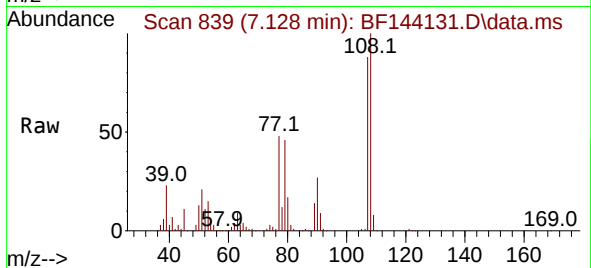
Tgt Ion: 45 Resp: 340455
Ion Ratio Lower Upper
45 100
77 11.3 0.0 30.9
79 8.5 0.0 28.2





#17
2-Methylphenol
Concen: 53.069 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

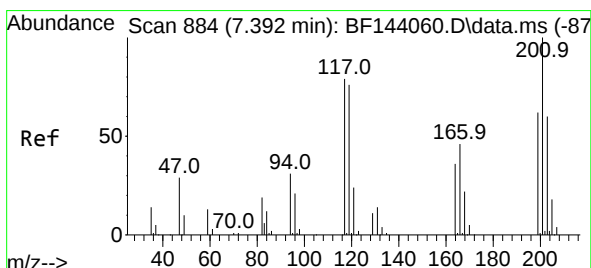
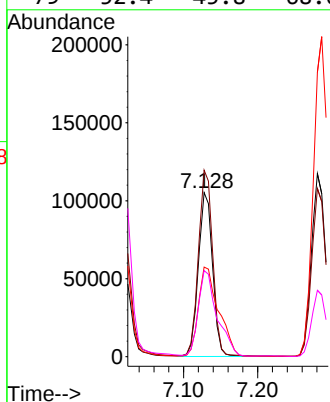
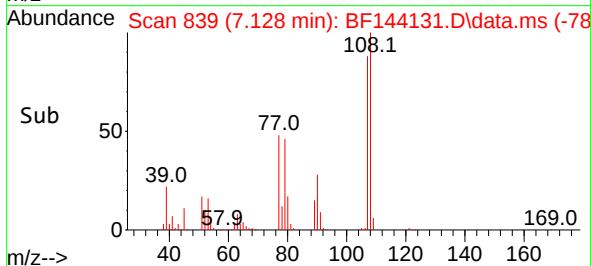
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



Tgt Ion:107 Resp: 14071
Ion Ratio Lower Upper
107 100
108 113.7 96.4 144.6
77 54.6 46.8 70.2
79 52.4 45.8 68.6

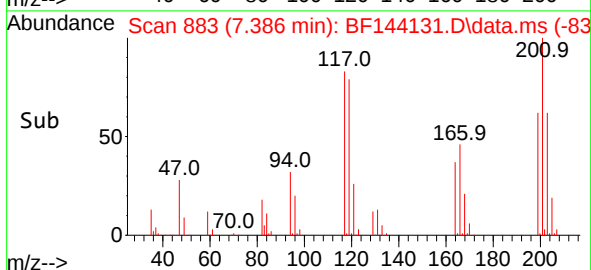
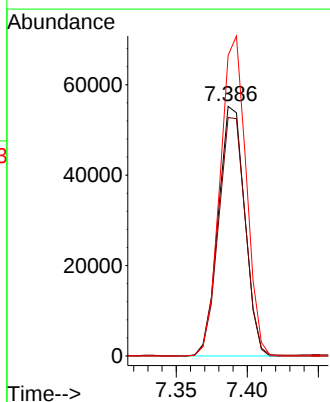
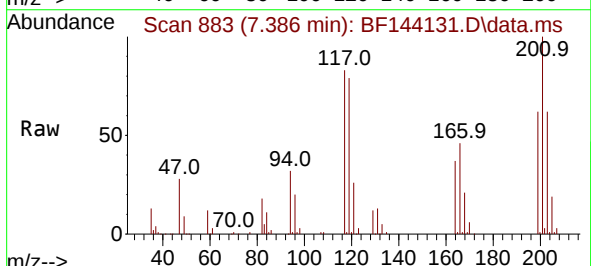
Manual Integrations
APPROVED

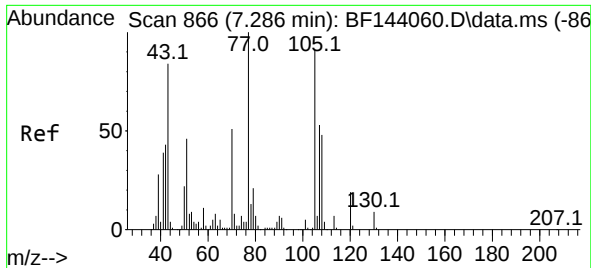
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#18
Hexachloroethane
Concen: 47.689 ng
RT: 7.386 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

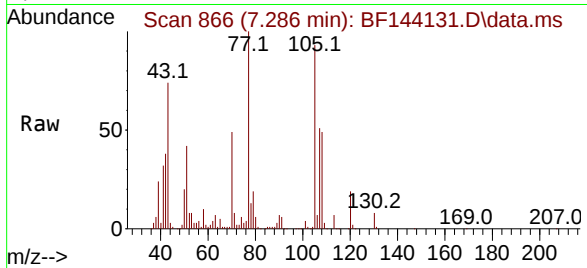
Tgt Ion:117 Resp: 71458
Ion Ratio Lower Upper
117 100
119 95.5 76.6 115.0
201 120.4 100.9 151.3





#19
n-Nitroso-di-n-propylamine
Concen: 53.901 ng
RT: 7.286 min Scan# 866
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

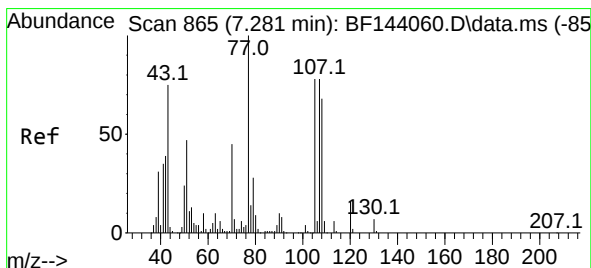
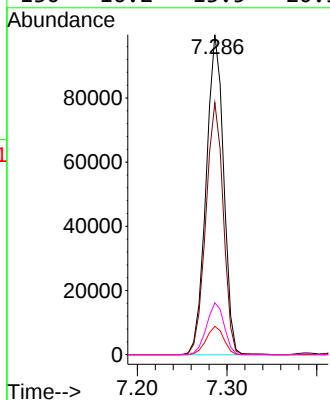
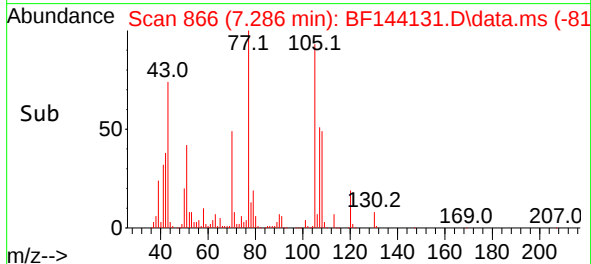
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



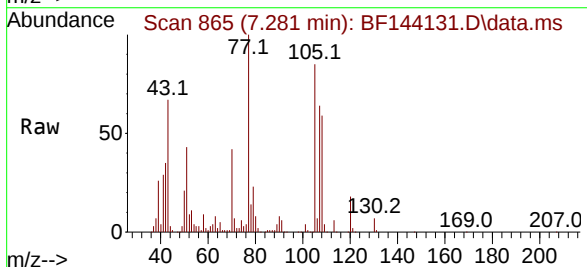
Tgt Ion: 70 Resp: 134760
Ion Ratio Lower Upper
70 100
42 78.7 67.4 101.0
101 8.9 7.1 10.7
130 16.2 13.5 20.3

Manual Integrations
APPROVED

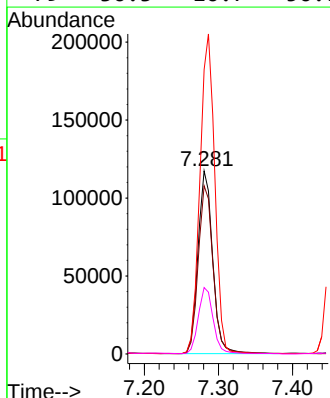
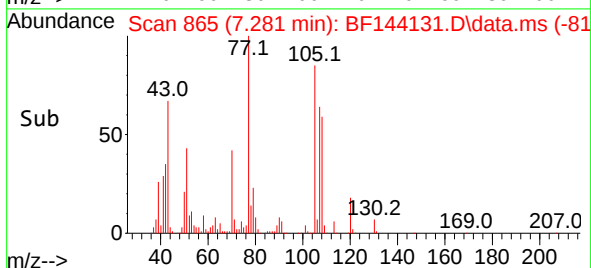
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

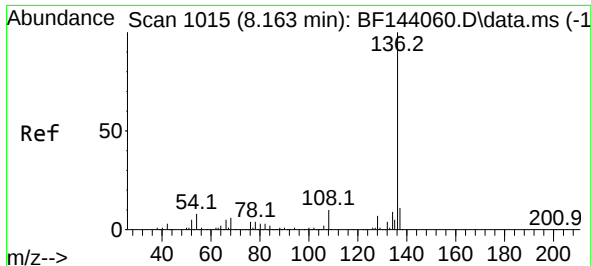


#20
3+4-Methylphenols
Concen: 51.522 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32



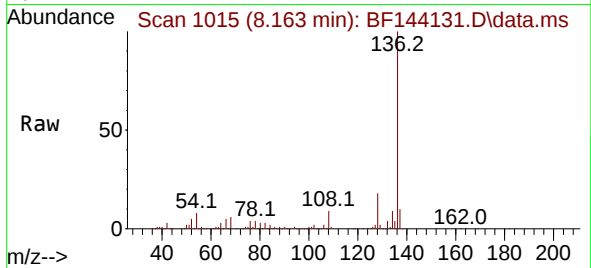
Tgt Ion:107 Resp: 161500
Ion Ratio Lower Upper
107 100
108 91.9 68.0 108.0
77 155.4 108.7 148.7#
79 36.3 16.7 56.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

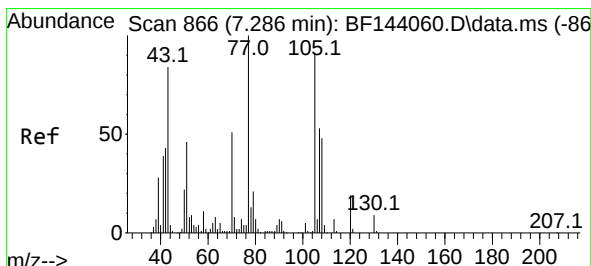
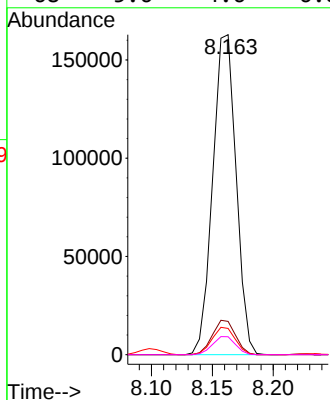
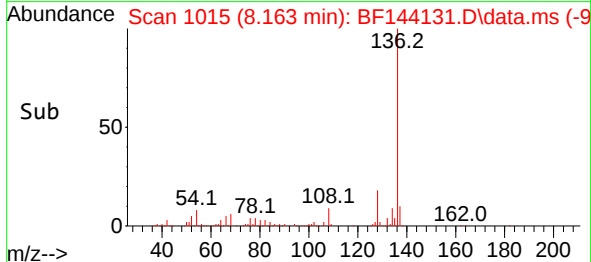
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



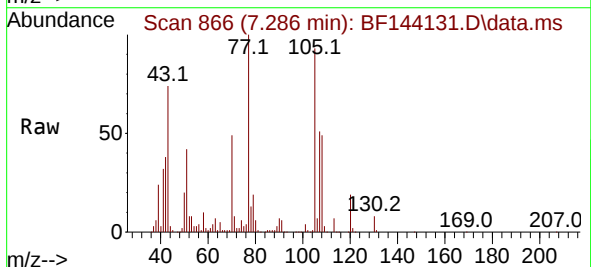
Tgt Ion:136 Resp: 21740
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 8.2 6.6 9.8
68 5.6 4.6 6.8

Manual Integrations
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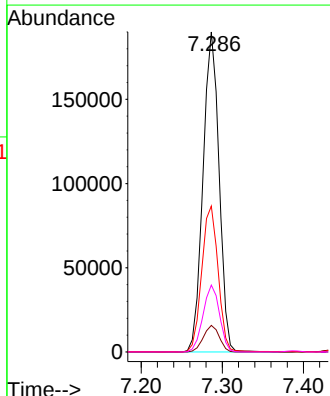
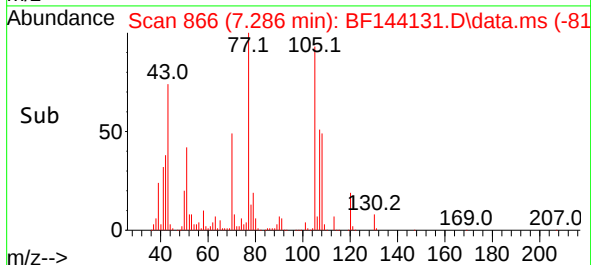
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

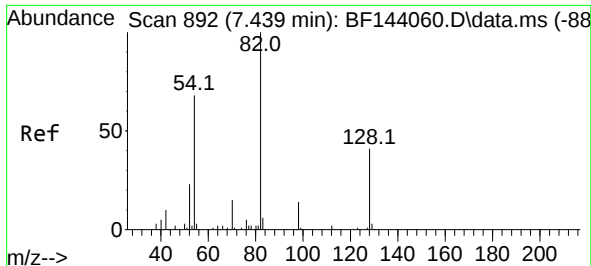


#22
Acetophenone
Concen: 55.510 ng
RT: 7.286 min Scan# 866
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32



Tgt Ion:105 Resp: 260801
Ion Ratio Lower Upper
105 100
71 8.3 6.9 10.3
51 45.6 40.6 60.8
120 20.9 16.8 25.2





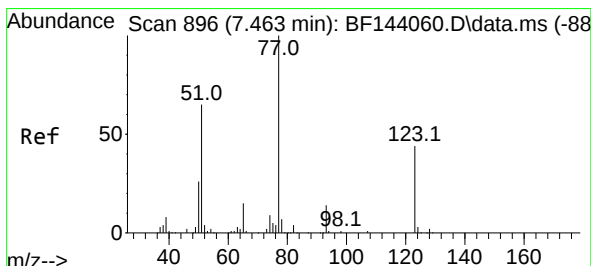
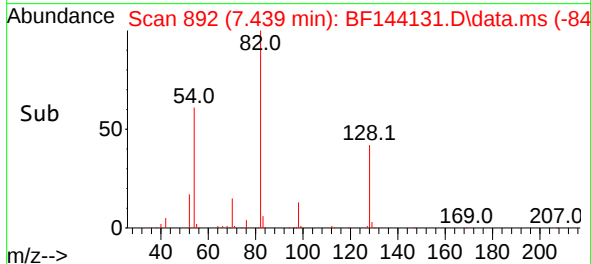
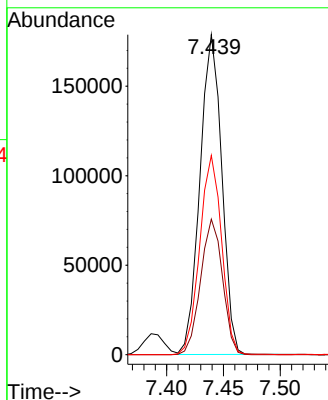
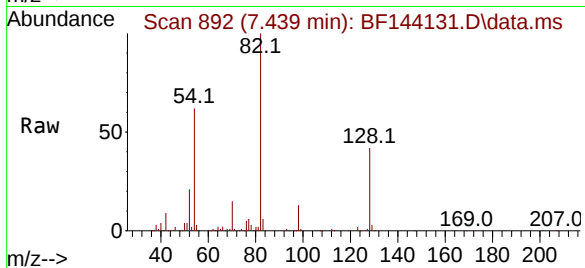
#23
Nitrobenzene-d5
Concen: 60.227 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

Instrument :
BNA_F
ClientSampleId :
TP-13MSD

Tgt Ion: 82 Resp: 238989
Ion Ratio Lower Upper
82 100
128 42.3 32.4 48.6
54 62.3 54.0 81.0

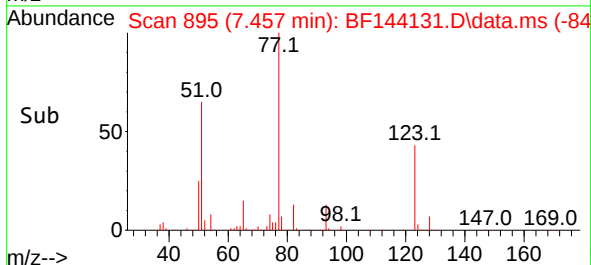
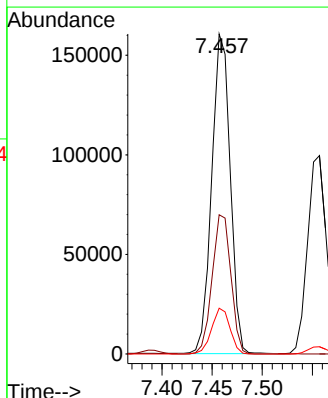
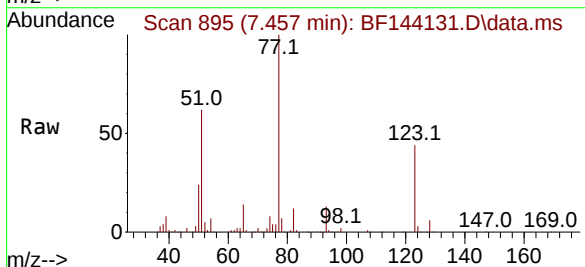
Manual Integrations
APPROVED

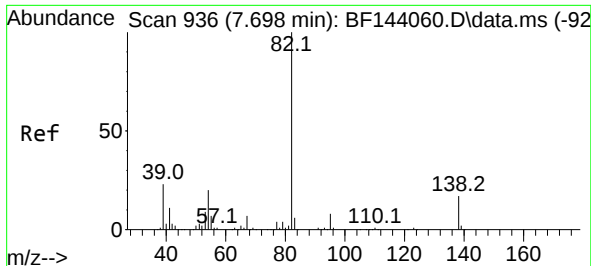
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#24
Nitrobenzene
Concen: 49.077 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

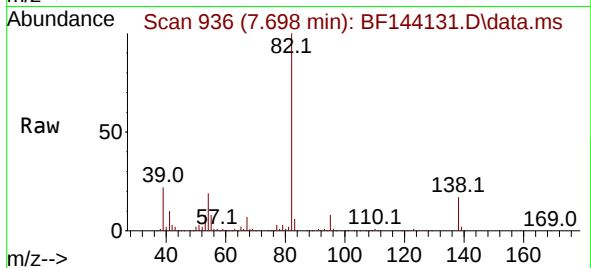
Tgt Ion: 77 Resp: 206008
Ion Ratio Lower Upper
77 100
123 43.5 35.0 52.6
65 14.3 12.2 18.2





#25
Isophorone
Concen: 51.618 ng
RT: 7.698 min Scan# 913
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

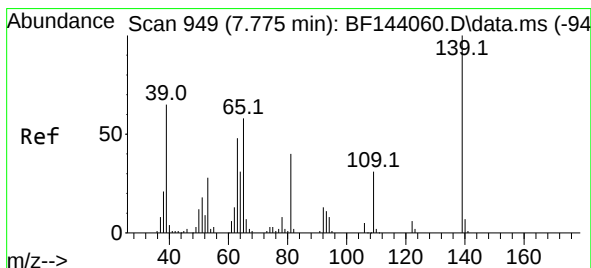
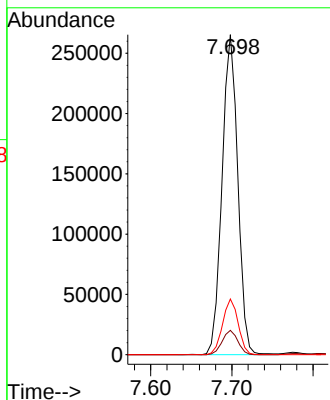
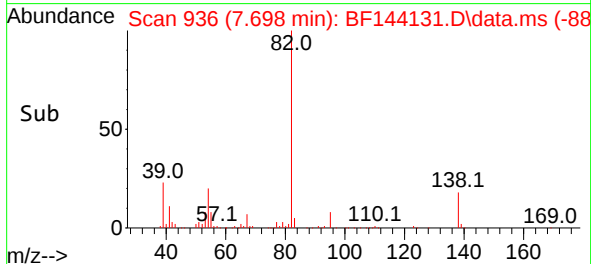
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



Tgt Ion: 82 Resp: 358090
Ion Ratio Lower Upper
82 100
95 7.6 6.6 9.8
138 17.4 13.8 20.8

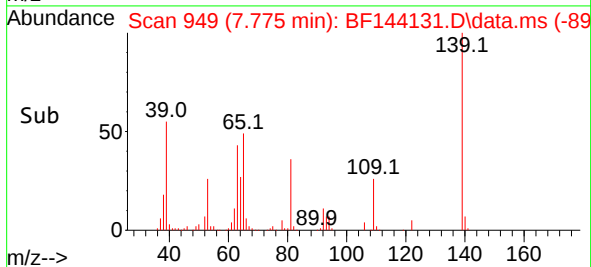
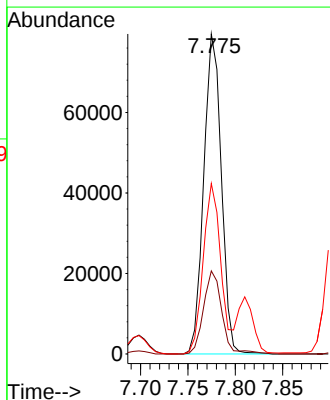
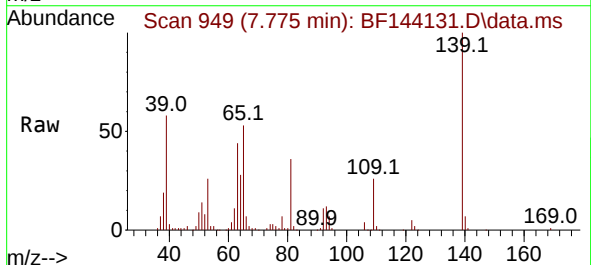
Manual Integrations
APPROVED

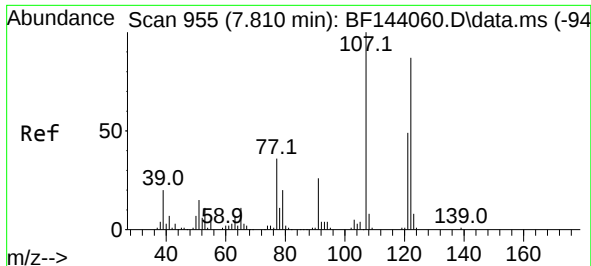
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#26
2-Nitrophenol
Concen: 51.241 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

Tgt Ion:139 Resp: 102324
Ion Ratio Lower Upper
139 100
109 26.0 24.6 37.0
65 53.2 46.6 69.8





#27

2,4-Dimethylphenol

Concen: 55.250 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

Instrument :

BNA_F

ClientSampleId :

TP-13MSD

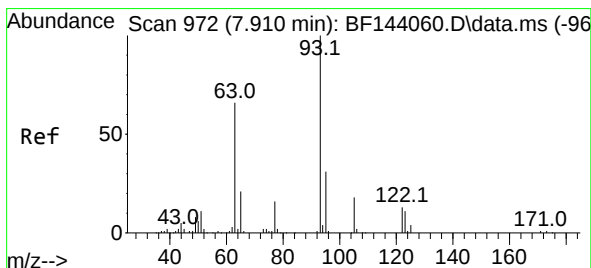
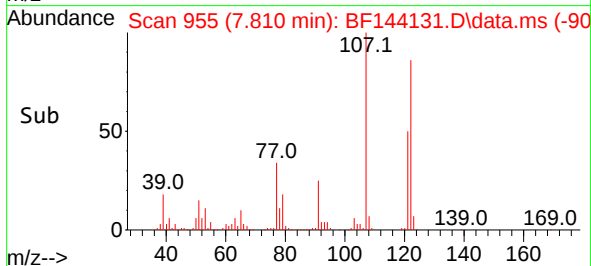
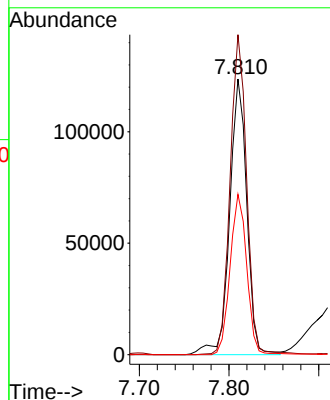
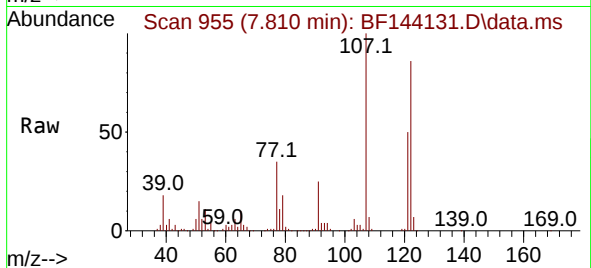
Tgt Ion:122 Resp: 163950
 Ion Ratio Lower Upper
 122 100
 107 116.0 91.8 137.8
 121 58.1 45.2 67.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#28

bis(2-Chloroethoxy)methane

Concen: 51.648 ng

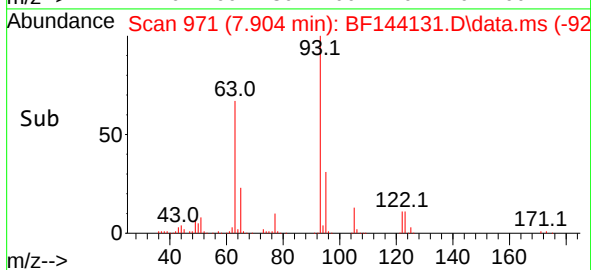
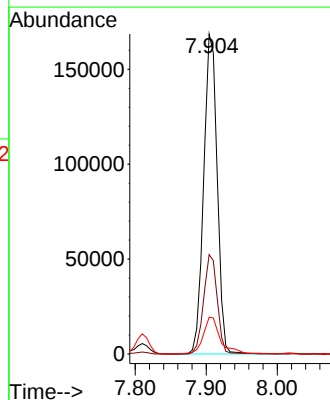
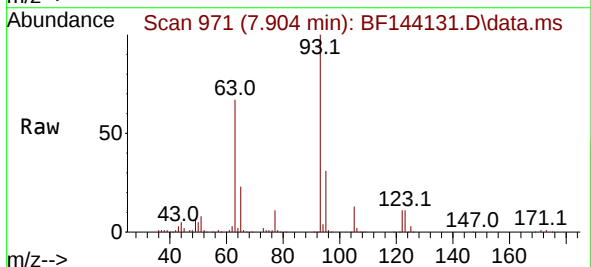
RT: 7.904 min Scan# 971

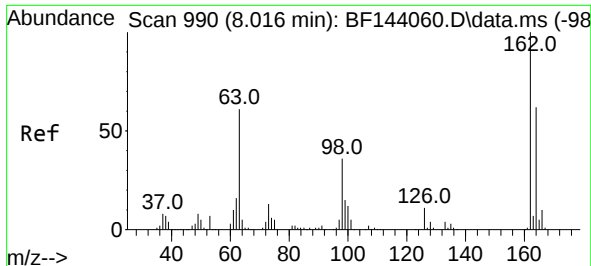
Delta R.T. -0.006 min

Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

Tgt Ion: 93 Resp: 223448
 Ion Ratio Lower Upper
 93 100
 95 31.1 24.6 36.8
 123 11.5 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 49.080 ng

RT: 8.016 min Scan# 990

Delta R.T. -0.000 min

Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

Instrument :

BNA_F

ClientSampleId :

TP-13MSD

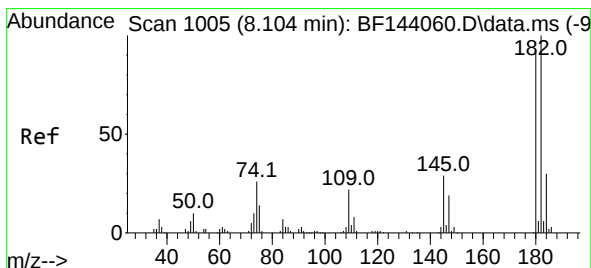
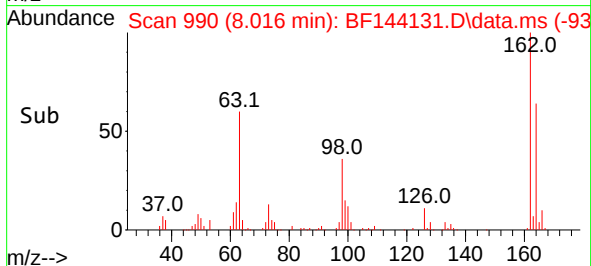
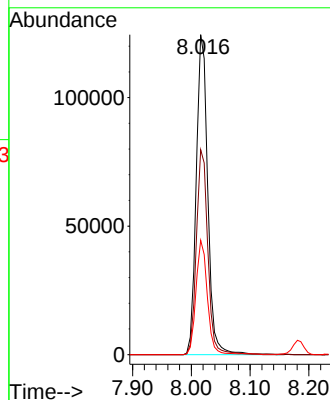
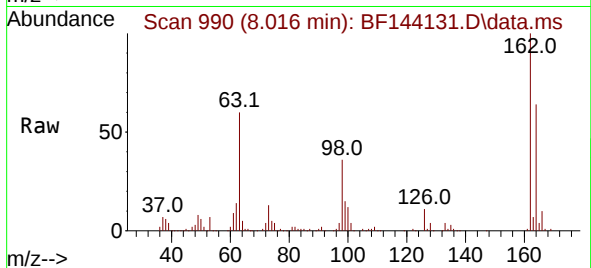
Tgt Ion:162 Resp: 169375
 Ion Ratio Lower Upper
 162 100
 164 64.1 42.1 82.1
 98 35.8 16.0 56.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#30

1,2,4-Trichlorobenzene

Concen: 50.639 ng

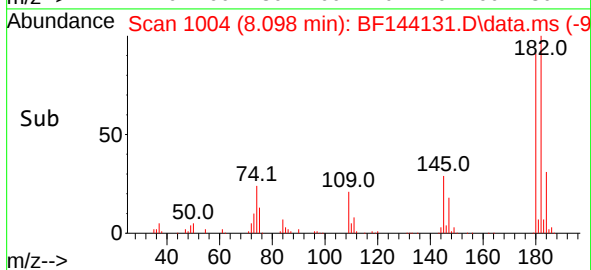
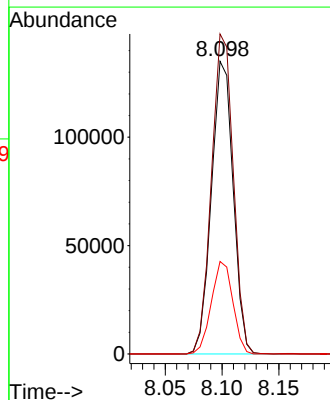
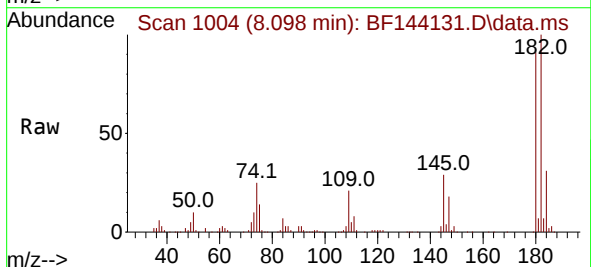
RT: 8.098 min Scan# 1004

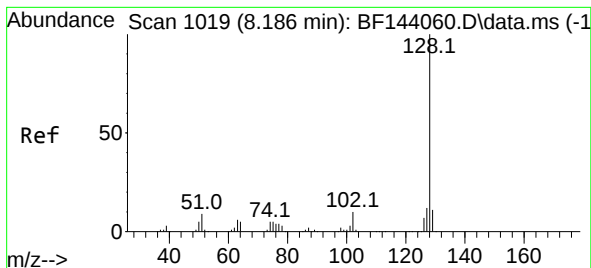
Delta R.T. -0.006 min

Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

Tgt Ion:180 Resp: 179782
 Ion Ratio Lower Upper
 180 100
 182 109.3 87.1 130.7
 145 31.6 25.3 37.9





#31

Naphthalene

Concen: 47.917 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

Instrument :

BNA_F

ClientSampleId :

TP-13MSD

Tgt Ion:128 Resp: 491660

Ion Ratio Lower Upper

128 100

129 11.1 8.4 12.6

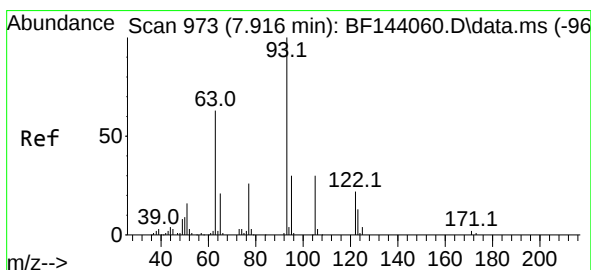
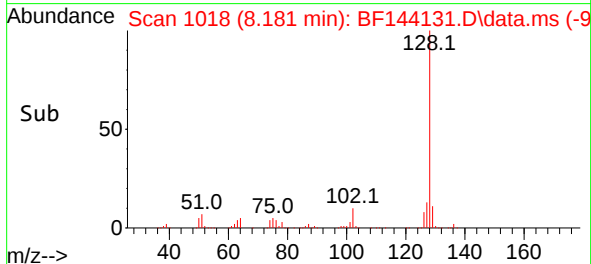
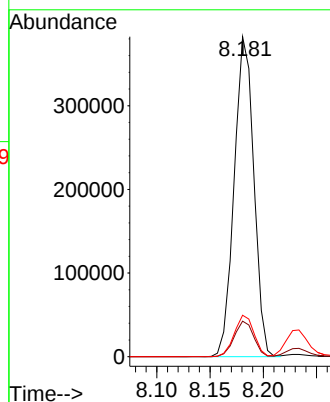
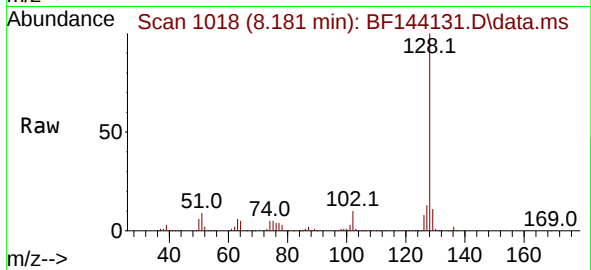
127 12.9 9.9 14.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#32

Benzoic acid

Concen: 59.856 ng

RT: 7.933 min Scan# 976

Delta R.T. 0.018 min

Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

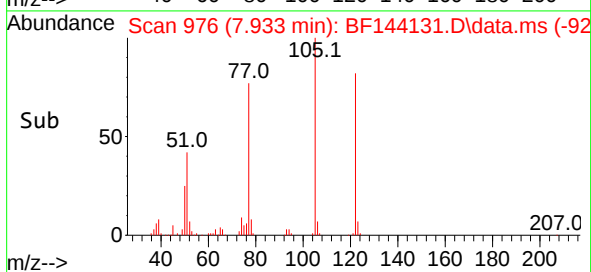
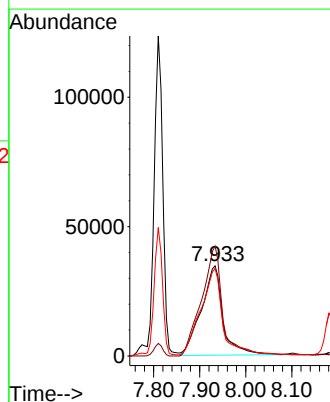
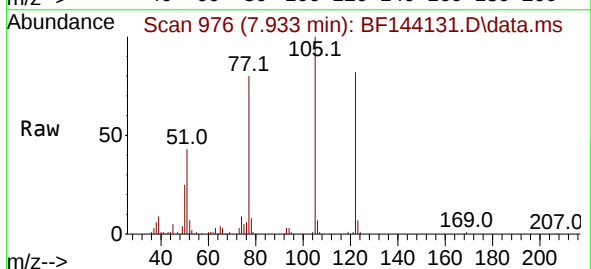
Tgt Ion:122 Resp: 112668

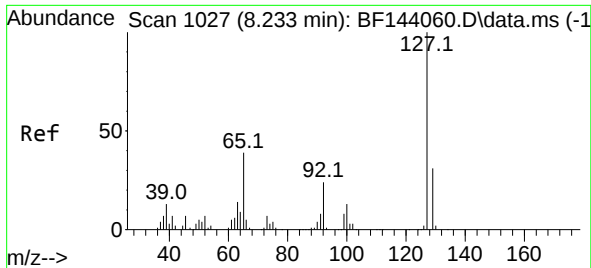
Ion Ratio Lower Upper

122 100

105 121.9 111.3 151.3

77 97.0 96.7 136.7





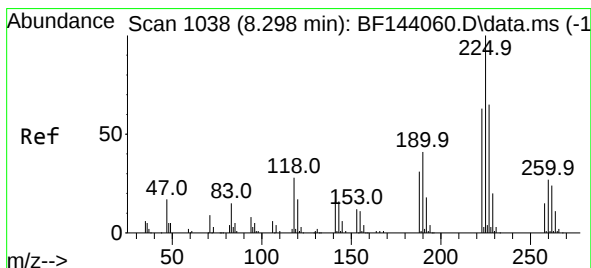
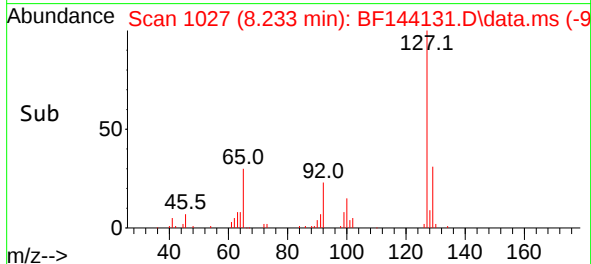
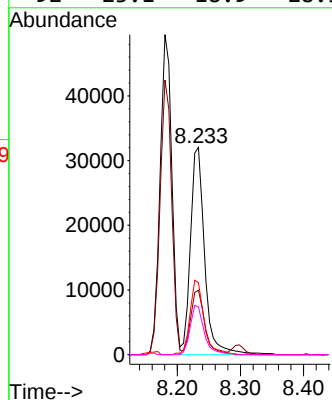
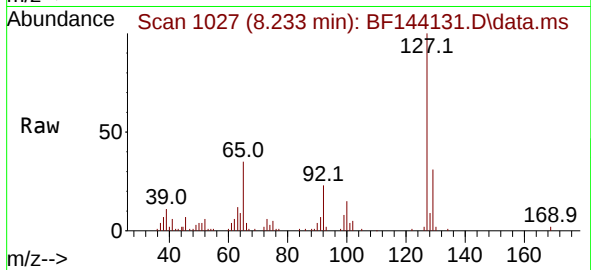
#33
4-Chloroaniline
Concen: 14.071 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

Instrument :
BNA_F
ClientSampleId :
TP-13MSD

Tgt Ion:	127	Resp:	50260
Ion Ratio	Lower	Upper	
127	100		
129	31.1	25.6	38.4
65	34.7	30.9	46.3
92	23.1	18.9	28.3

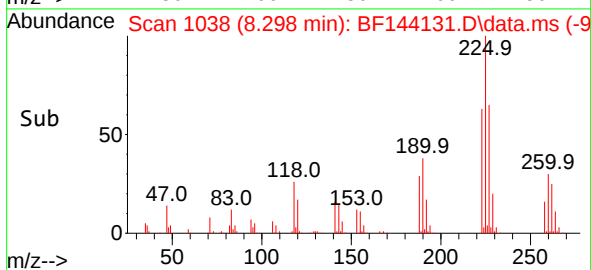
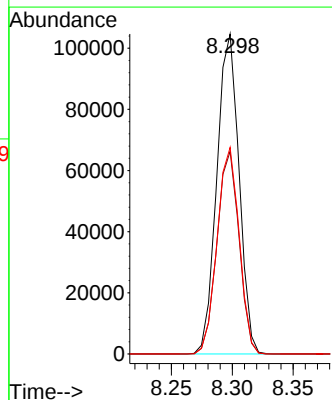
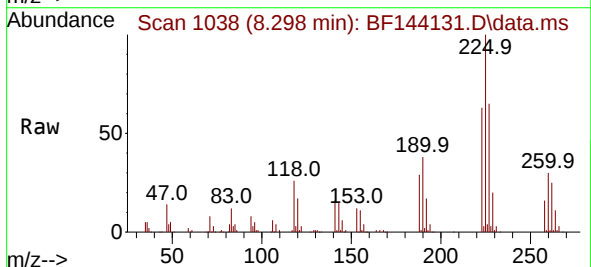
Manual Integrations
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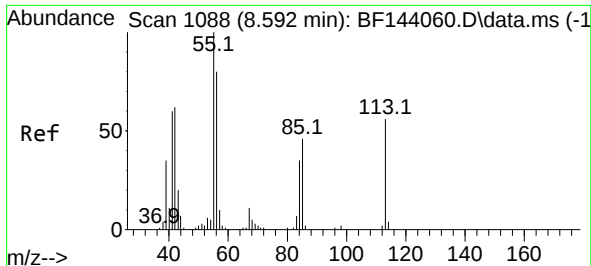
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#34
Hexachlorobutadiene
Concen: 45.743 ng
RT: 8.298 min Scan# 1038
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

Tgt Ion:	225	Resp:	132792
Ion Ratio	Lower	Upper	
225	100		
223	63.3	50.6	76.0
227	64.6	51.8	77.8





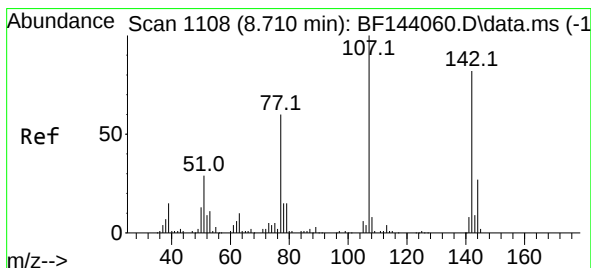
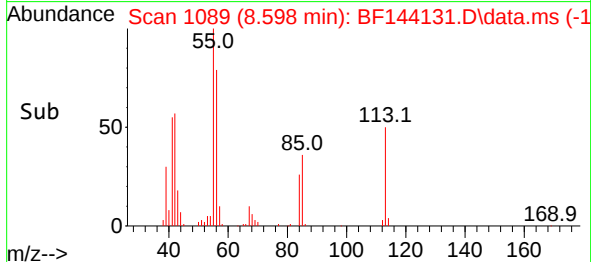
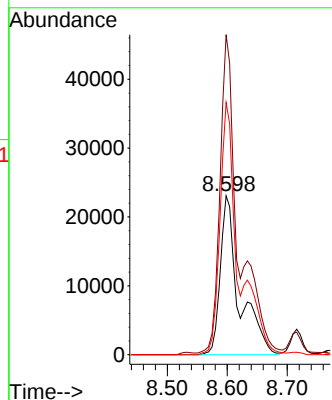
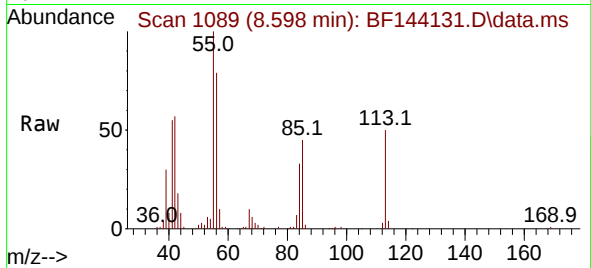
#35
 Caprolactam
 Concen: 58.393 ng m
 RT: 8.598 min Scan# 1088
 Delta R.T. 0.006 min
 Lab File: BF144131.D
 Acq: 29 Oct 2025 16:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-13MSD

Tgt Ion:113 Resp: 5053
 Ion Ratio Lower Upper
 113 100
 55 201.4 160.1 200.1
 56 158.6 124.9 164.9

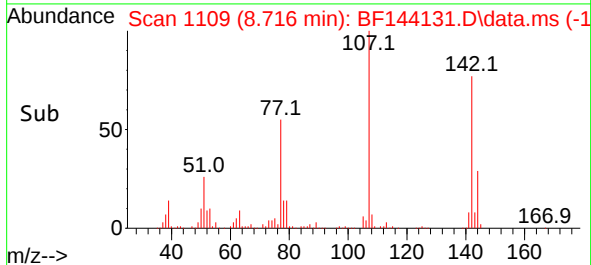
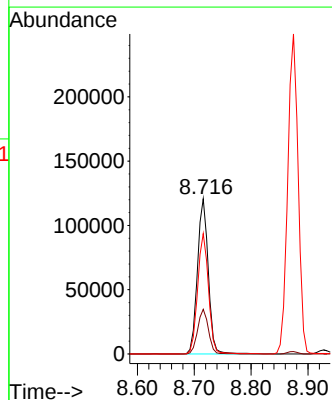
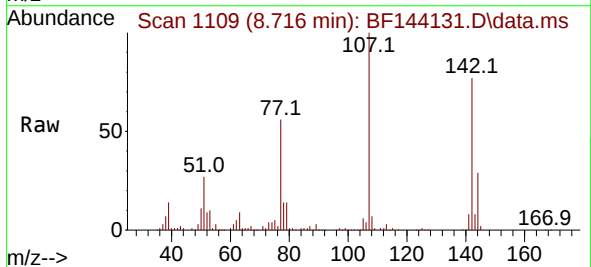
Manual Integrations
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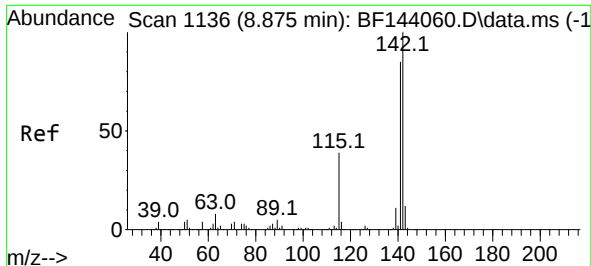
Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 10/30/2025



#36
 4-Chloro-3-methylphenol
 Concen: 52.931 ng
 RT: 8.716 min Scan# 1109
 Delta R.T. 0.006 min
 Lab File: BF144131.D
 Acq: 29 Oct 2025 16:32

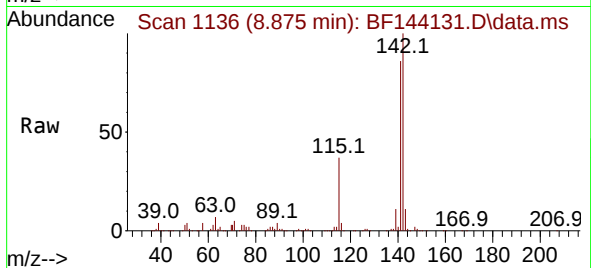
Tgt Ion:107 Resp: 161197
 Ion Ratio Lower Upper
 107 100
 144 28.8 21.6 32.4
 142 77.5 65.4 98.0





#37
2-Methylnaphthalene
Concen: 47.001 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

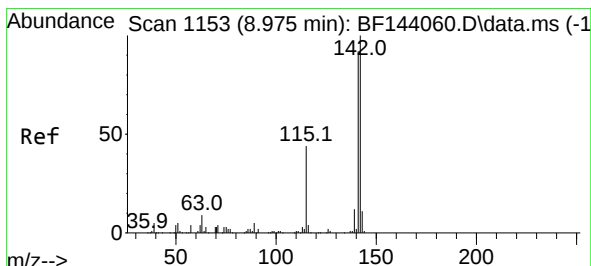
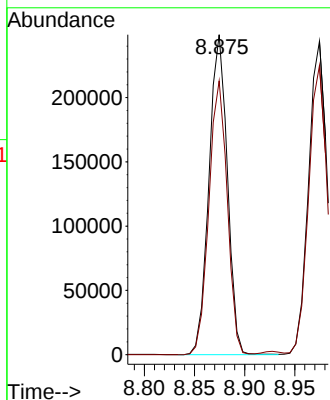
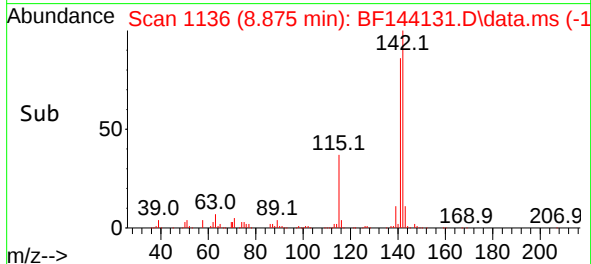
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



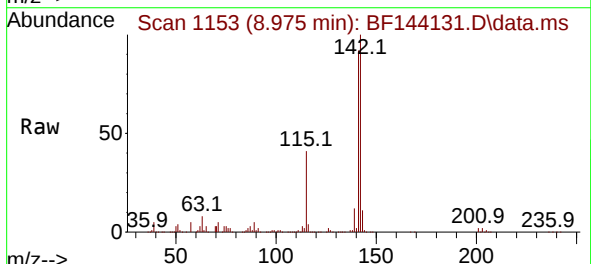
Tgt Ion:142 Resp: 317964
Ion Ratio Lower Upper
142 100
141 85.5 67.6 101.4

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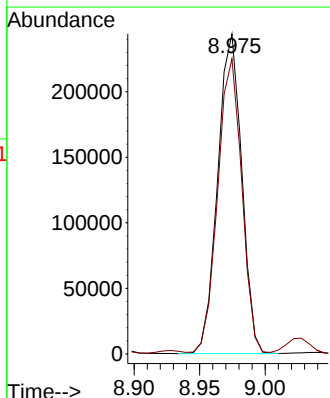
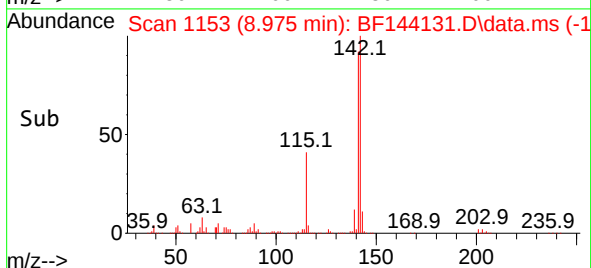
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

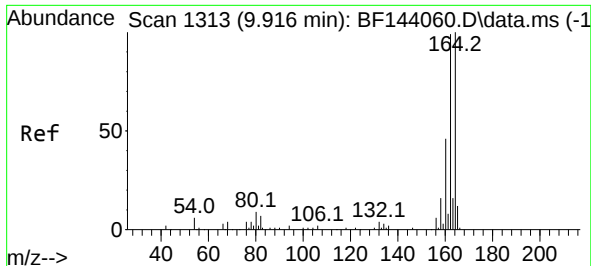


#38
1-Methylnaphthalene
Concen: 48.426 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32



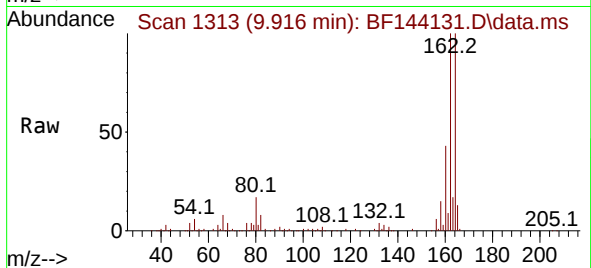
Tgt Ion:142 Resp: 310373
Ion Ratio Lower Upper
142 100
141 92.2 73.4 110.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

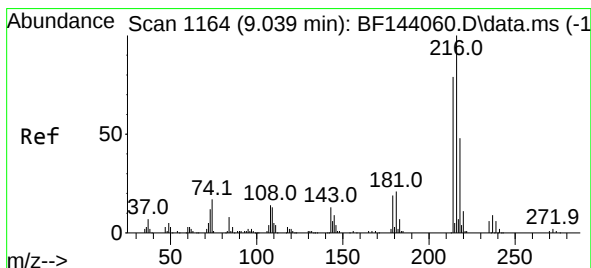
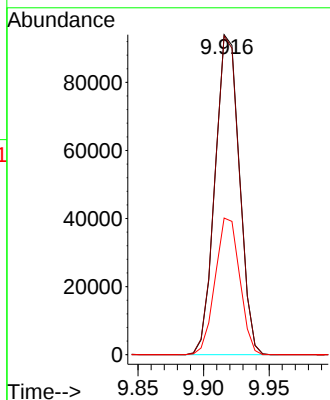
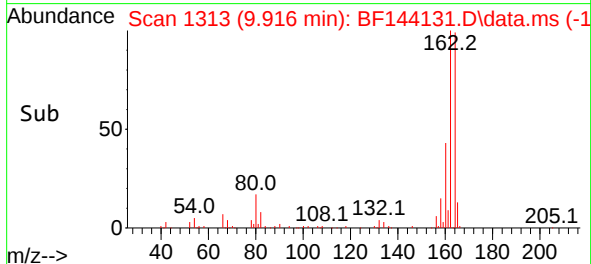
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



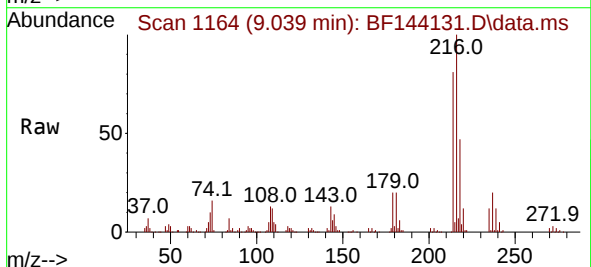
Tgt Ion:164 Resp: 12142
Ion Ratio Lower Upper
164 100
162 99.6 79.4 119.2
160 42.7 36.7 55.1

Manual Integrations
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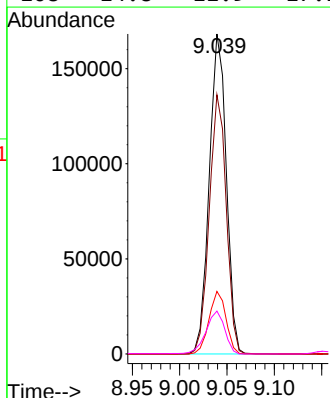
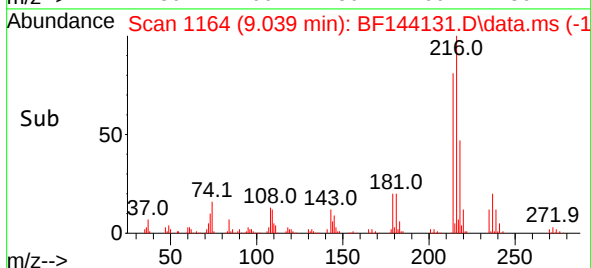
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

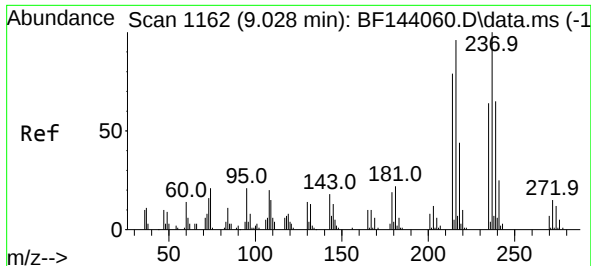


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.538 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32



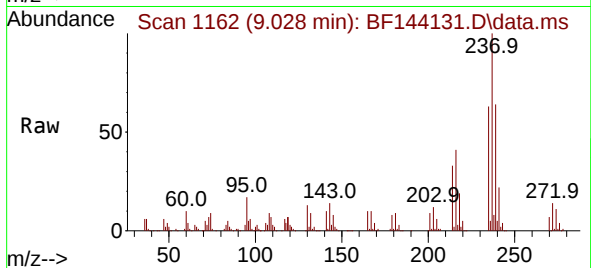
Tgt Ion:216 Resp: 210898
Ion Ratio Lower Upper
216 100
214 80.7 63.2 94.8
179 19.4 15.2 22.8
108 14.8 11.9 17.9





#41
Hexachlorocyclopentadiene
Concen: 120.930 ng
RT: 9.028 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

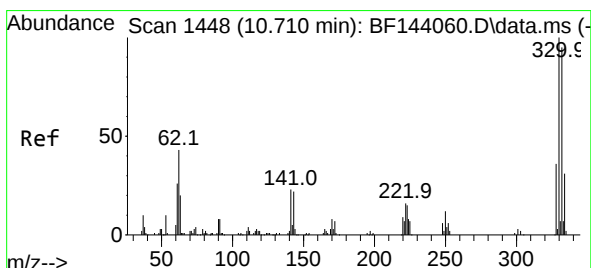
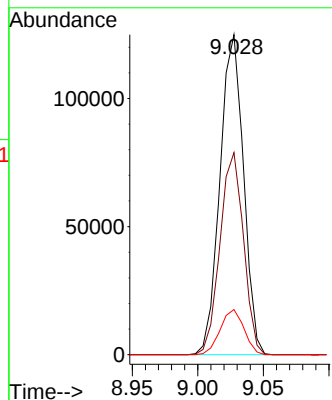
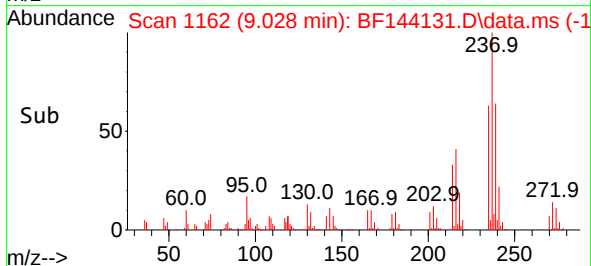
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



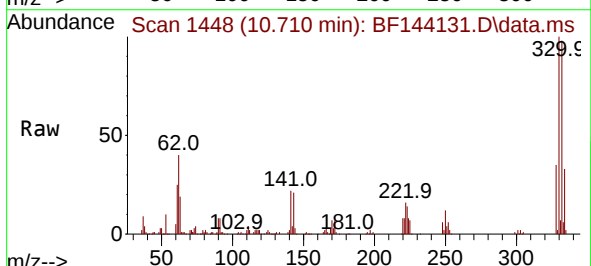
Tgt Ion:237 Resp: 15586
Ion Ratio Lower Upper
237 100
235 63.2 44.3 84.3
272 14.1 0.0 35.2

Manual Integrations
APPROVED

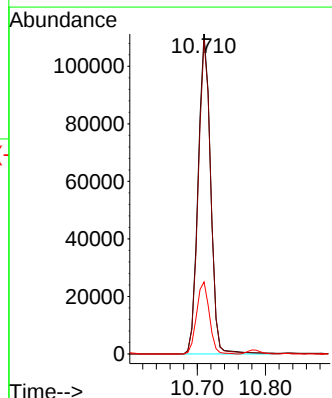
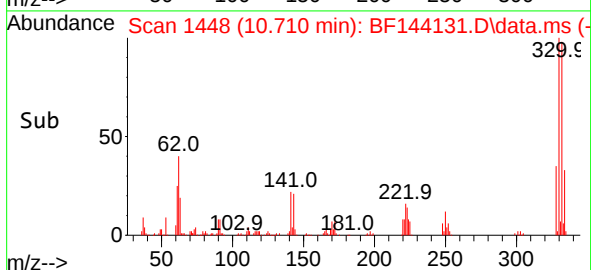
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

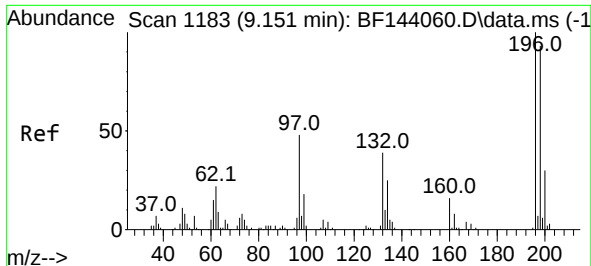


#42
2,4,6-Tribromophenol
Concen: 91.189 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32



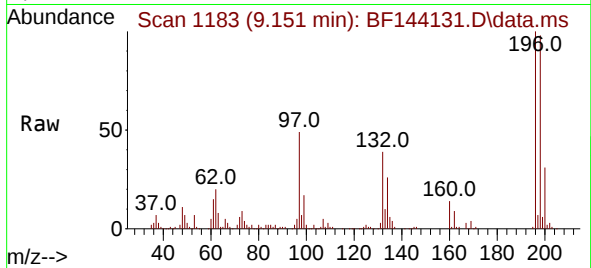
Tgt Ion:330 Resp: 141040
Ion Ratio Lower Upper
330 100
332 97.6 77.0 115.6
141 22.9 19.4 29.0





#43
2,4,6-Trichlorophenol
Concen: 49.573 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

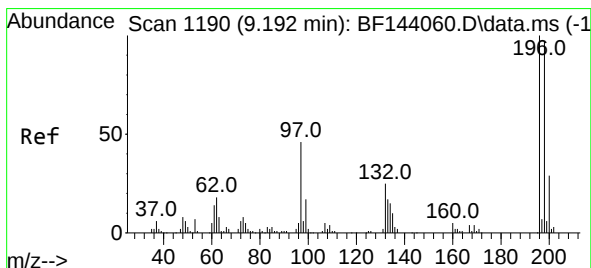
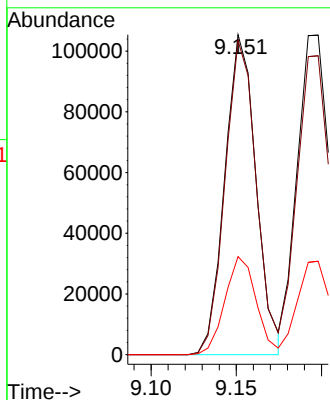
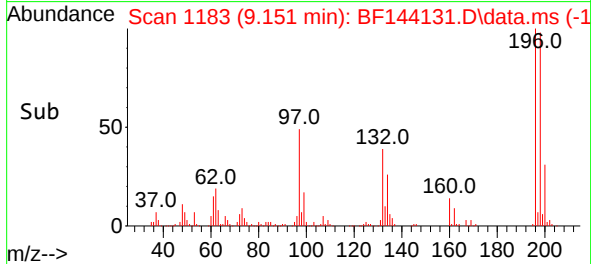
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



Tgt Ion:196 Resp: 13446
Ion Ratio Lower Upper
196 100
198 98.2 74.4 111.6
200 30.6 23.8 35.8

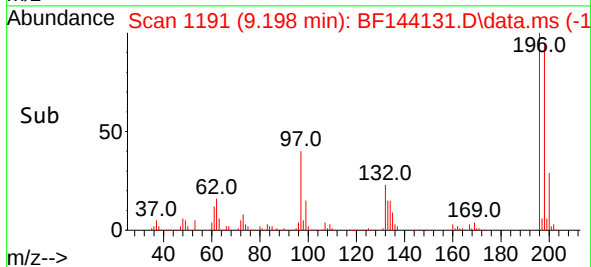
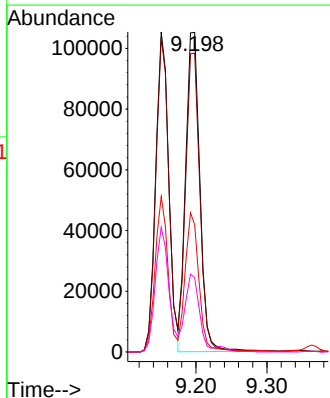
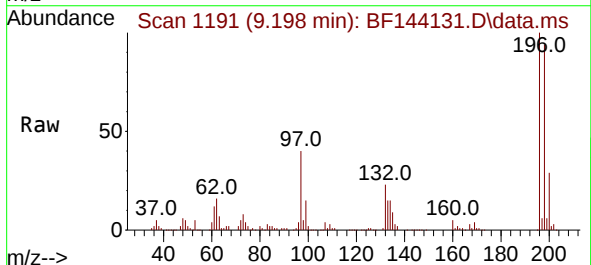
Manual Integrations
APPROVED

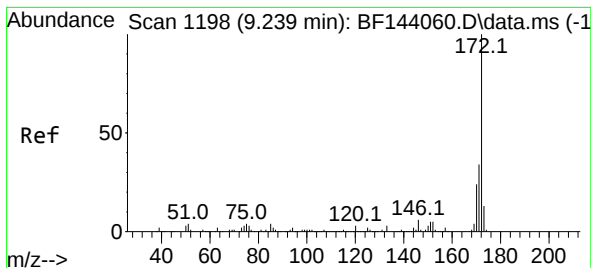
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#44
2,4,5-Trichlorophenol
Concen: 51.315 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

Tgt Ion:196 Resp: 146079
Ion Ratio Lower Upper
196 100
198 93.5 78.0 117.0
97 39.8 37.7 56.5
132 23.3 20.2 30.4





#45

2-Fluorobiphenyl

Concen: 59.610 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF144131.D

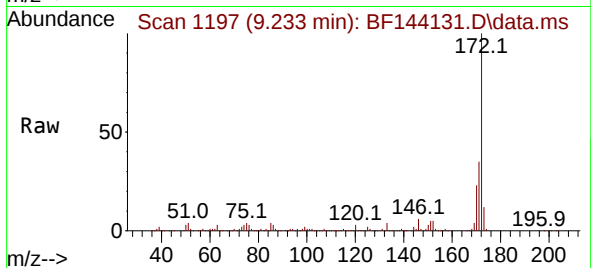
Acq: 29 Oct 2025 16:32

Instrument :

BNA_F

ClientSampleId :

TP-13MSD



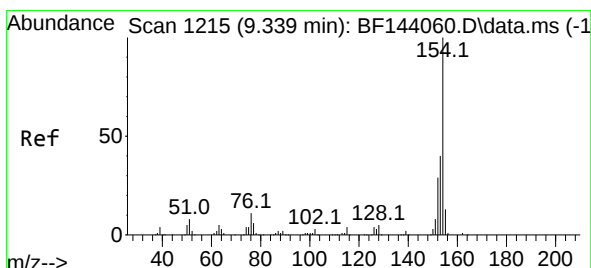
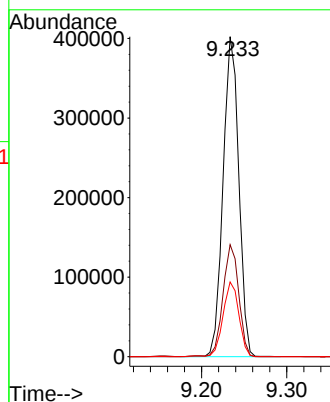
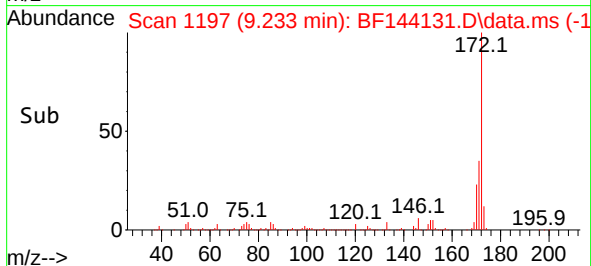
Tgt Ion:	172	Resp:	51434
Ion Ratio	Lower	Upper	
172	100		
171	35.0	27.5	41.3
170	23.3	19.0	28.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#46

1,1'-Biphenyl

Concen: 51.969 ng

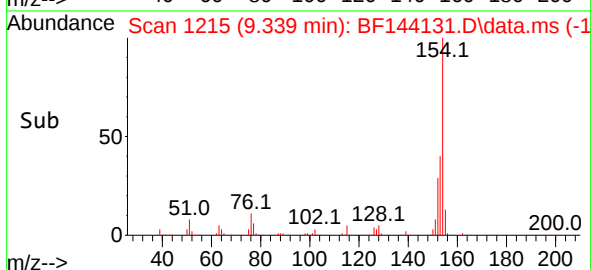
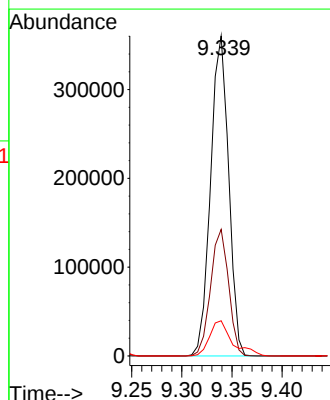
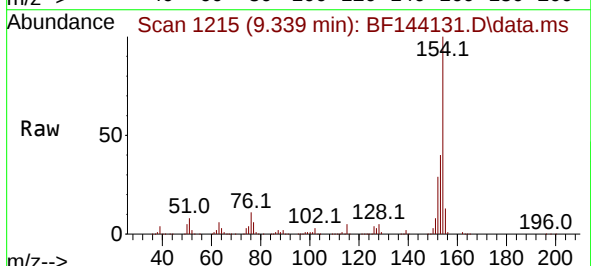
RT: 9.339 min Scan# 1215

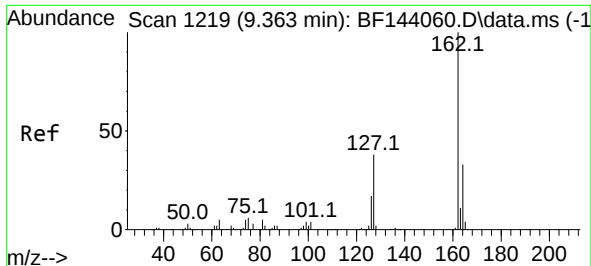
Delta R.T. -0.000 min

Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

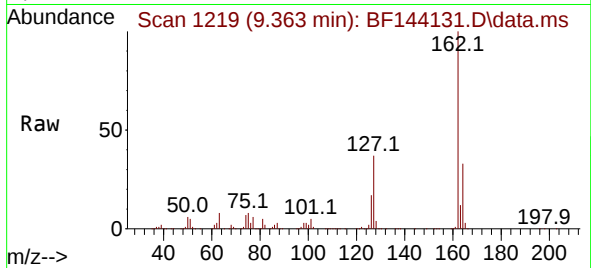
Tgt Ion:	154	Resp:	451713
Ion Ratio	Lower	Upper	
154	100		
153	39.5	19.7	59.7
76	11.0	0.0	31.1





#47
2-Chloronaphthalene
Concen: 47.941 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

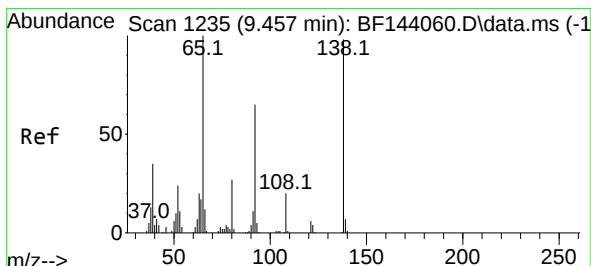
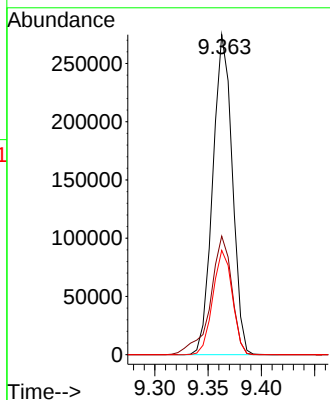
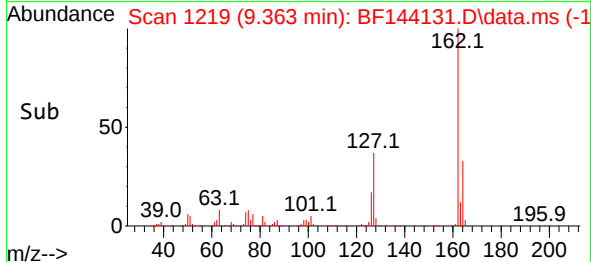
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



Tgt Ion:162 Resp: 34910
Ion Ratio Lower Upper
162 100
127 37.1 31.6 47.4
164 32.6 26.5 39.7

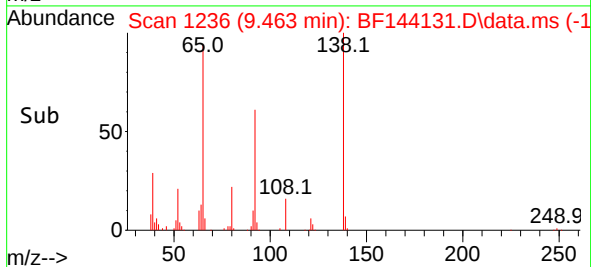
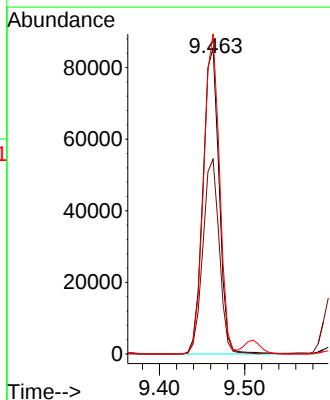
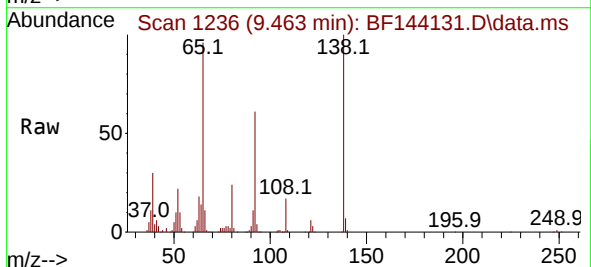
Manual Integrations
APPROVED

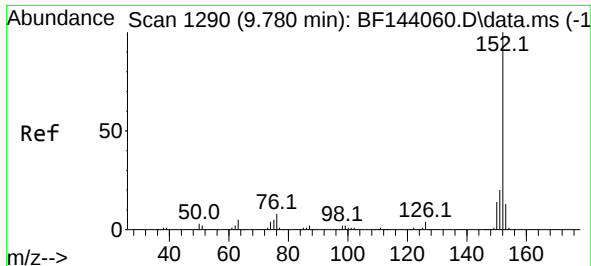
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#48
2-Nitroaniline
Concen: 52.198 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

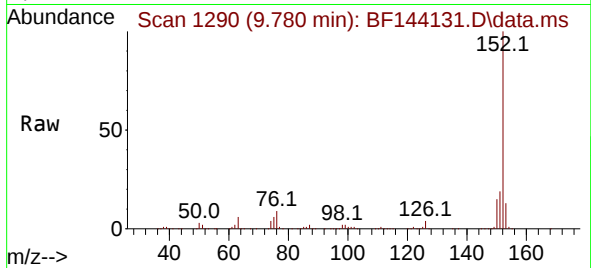
Tgt Ion: 65 Resp: 112870
Ion Ratio Lower Upper
65 100
92 63.6 52.3 78.5
138 104.6 78.3 117.5





#49
Acenaphthylene
Concen: 56.502 ng
RT: 9.780 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

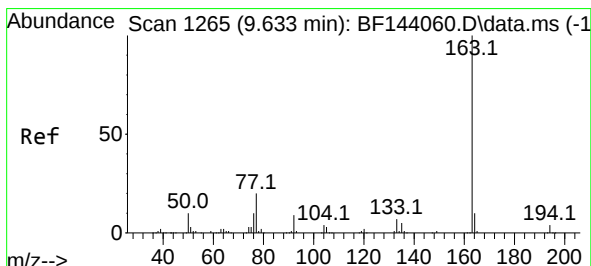
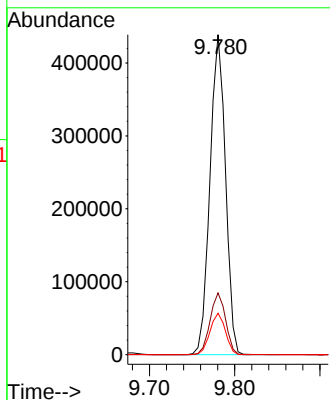
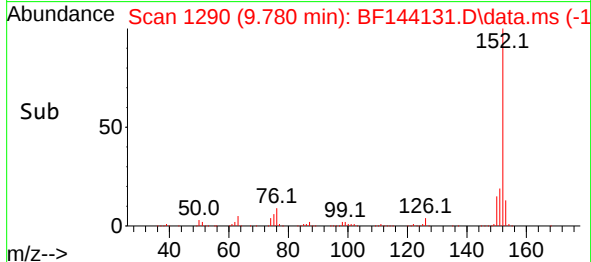
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



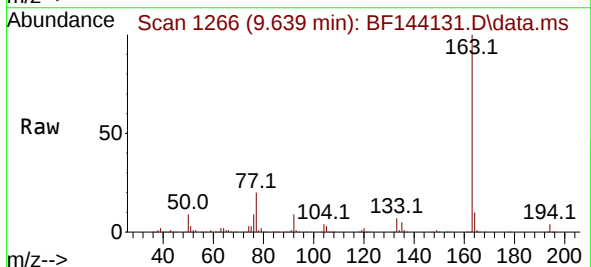
Tgt Ion:152 Resp: 554769
Ion Ratio Lower Upper
152 100
151 19.3 15.9 23.9
153 12.9 10.4 15.6

Manual Integrations
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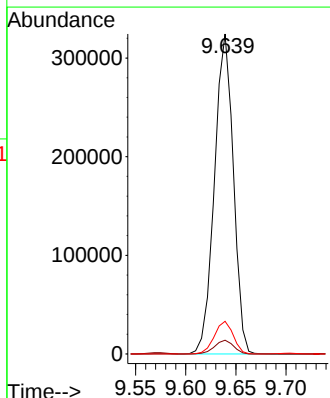
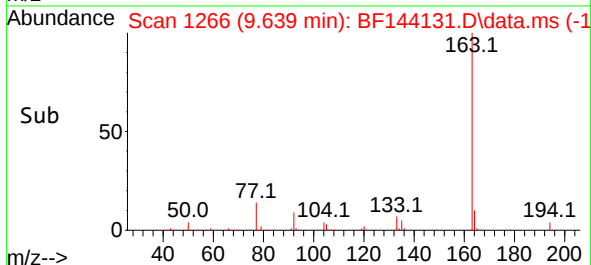
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

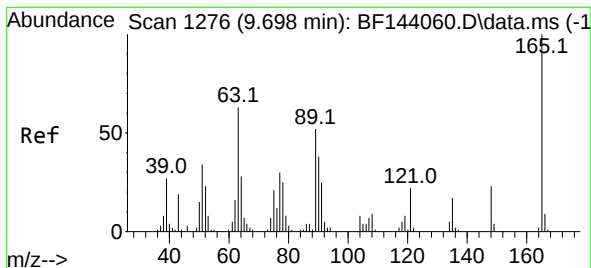


#50
Dimethylphthalate
Concen: 53.409 ng
RT: 9.639 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32



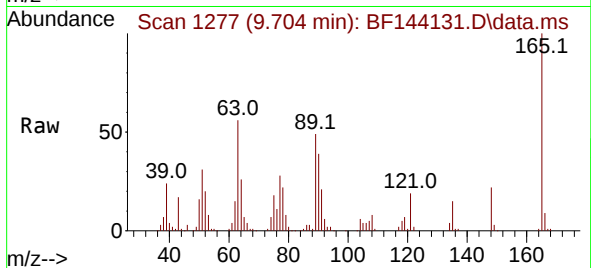
Tgt Ion:163 Resp: 425077
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.0
164 10.2 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 56.381 ng
RT: 9.704 min Scan# 1277
Delta R.T. 0.006 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

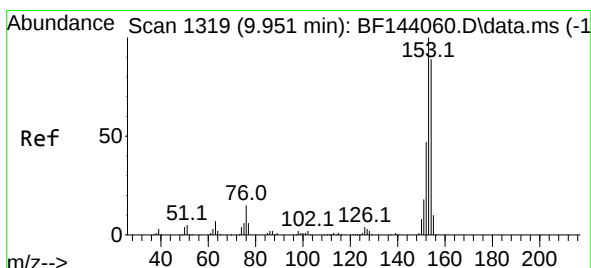
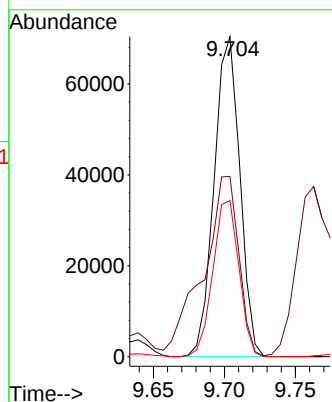
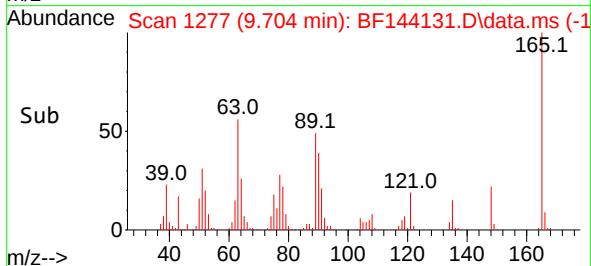
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



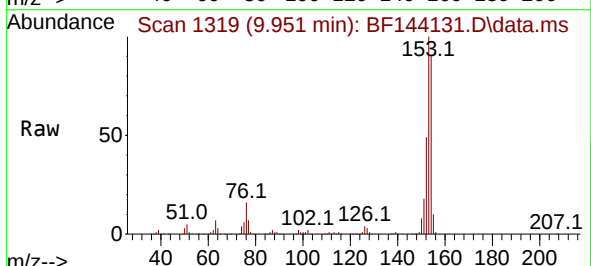
Tgt Ion:165 Resp: 8871
Ion Ratio Lower Upper
165 100
63 56.4 50.4 75.6
89 48.8 41.4 62.2

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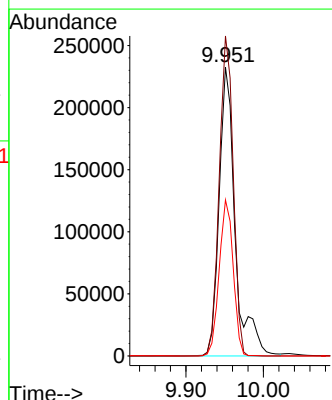
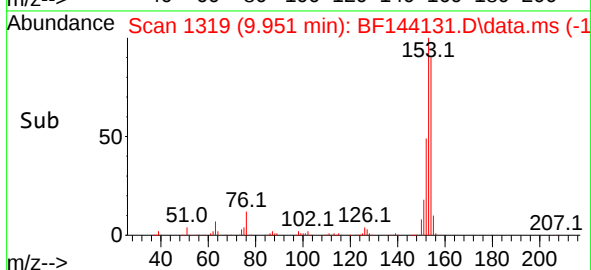
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

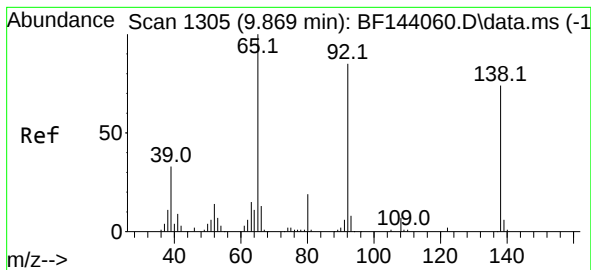


#52
Acenaphthene
Concen: 51.177 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32



Tgt Ion:154 Resp: 335585
Ion Ratio Lower Upper
154 100
153 110.8 89.9 134.9
152 54.0 42.0 63.0





#53

3-Nitroaniline

Concen: 29.693 ng

RT: 9.875 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

Instrument :

BNA_F

ClientSampleId :

TP-13MSD

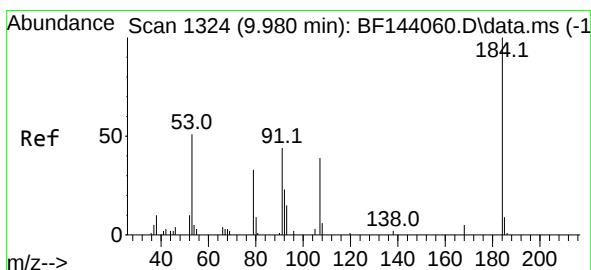
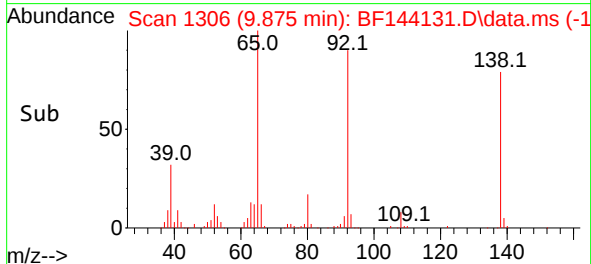
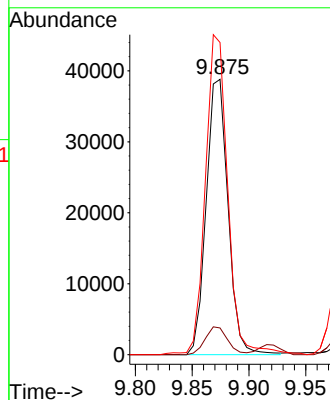
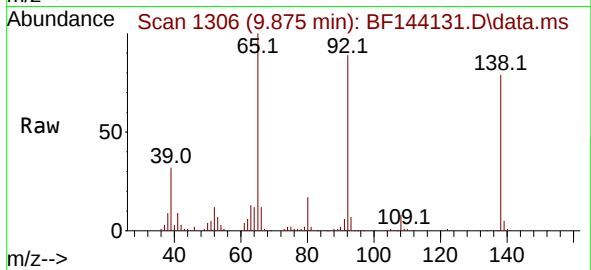
Tgt Ion:138	Resp:	51944
Ion Ratio	Lower	Upper
138	100	
108	9.7	7.9 11.9
92	113.3	92.0 138.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#54

2,4-Dinitrophenol

Concen: 98.870 ng

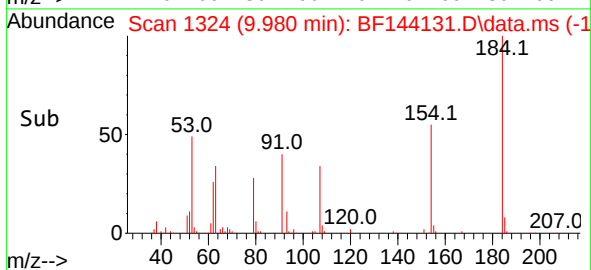
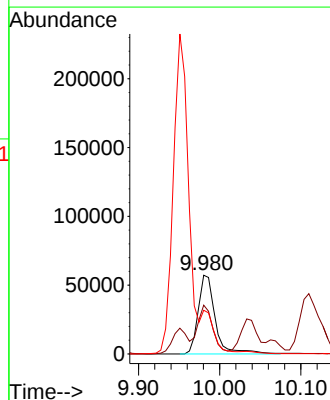
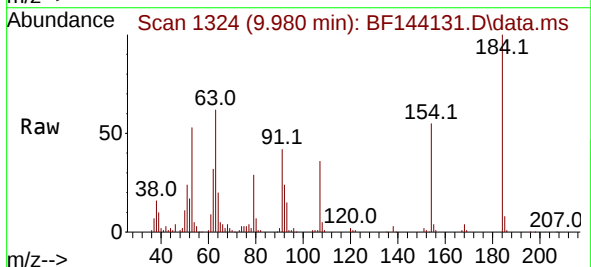
RT: 9.980 min Scan# 1324

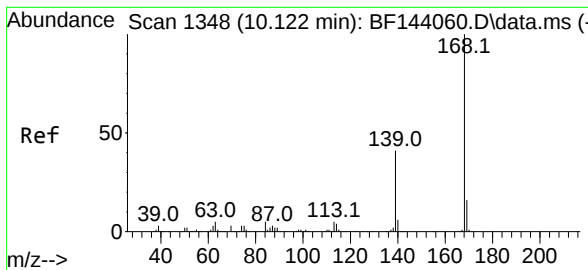
Delta R.T. -0.000 min

Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

Tgt Ion:184	Resp:	84139
Ion Ratio	Lower	Upper
184	100	
63	62.0	52.1 78.1
154	55.5	47.9 71.9





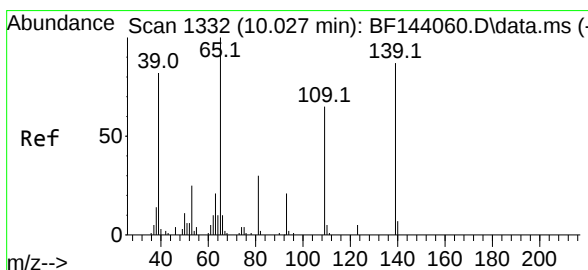
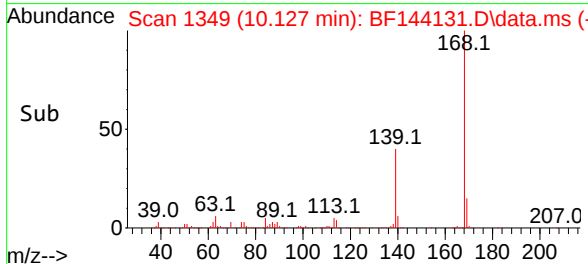
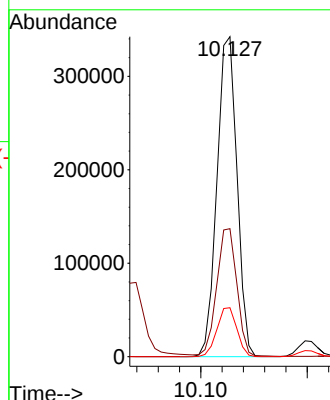
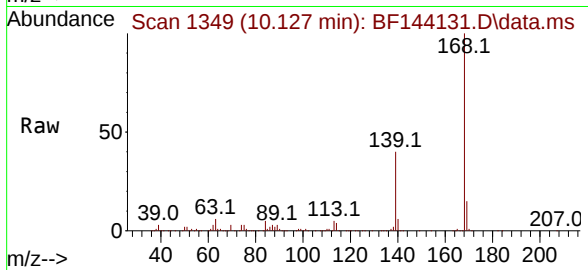
#55
Dibenzenofuran
Concen: 49.071 ng
RT: 10.127 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

Instrument :
BNA_F
ClientSampleId :
TP-13MSD

Tgt Ion:168 Resp: 446708
Ion Ratio Lower Upper
168 100
139 40.0 33.2 49.8
169 15.3 12.6 19.0

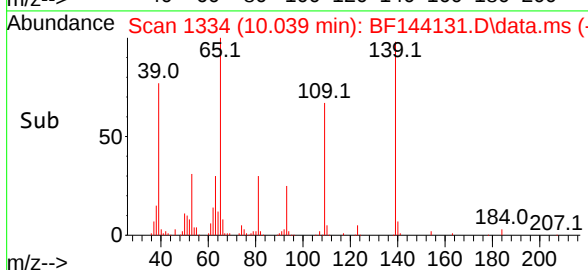
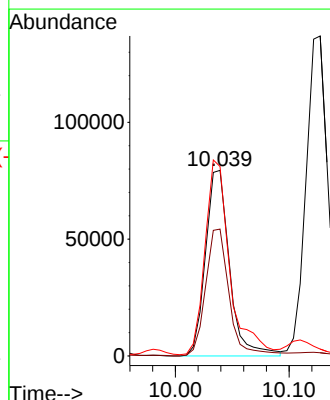
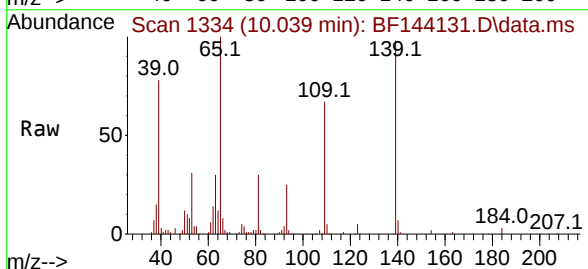
Manual Integrations
APPROVED

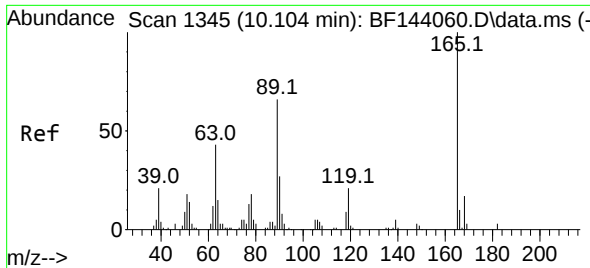
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#56
4-Nitrophenol
Concen: 98.528 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.012 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

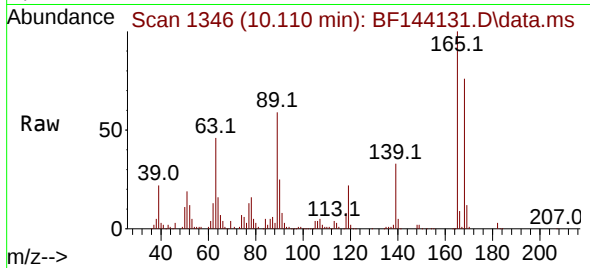
Tgt Ion:139 Resp: 116715
Ion Ratio Lower Upper
139 100
109 68.4 53.8 93.8
65 102.1 95.9 135.9





#57
2,4-Dinitrotoluene
Concen: 56.728 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.006 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

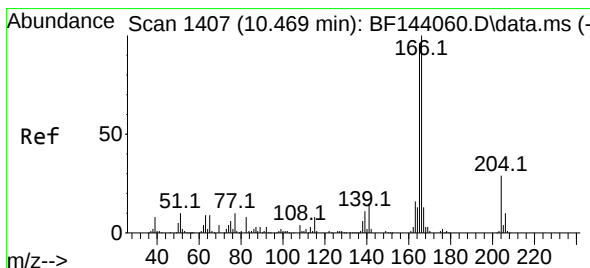
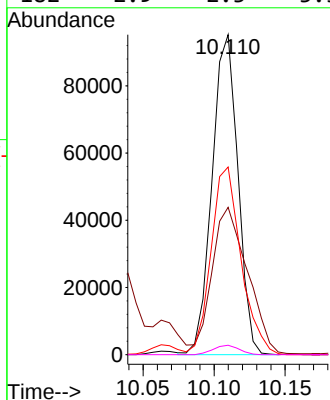
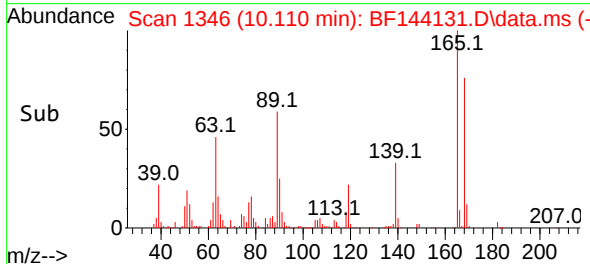
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



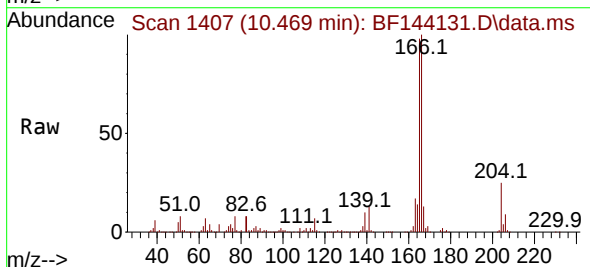
Tgt Ion:165 Resp: 120464
Ion Ratio Lower Upper
165 100
63 46.0 35.4 53.2
89 58.7 52.7 79.1
182 2.9 2.3 3.5

Manual Integrations
APPROVED

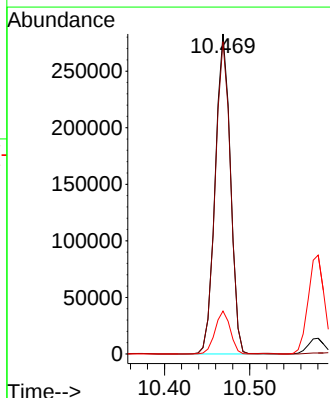
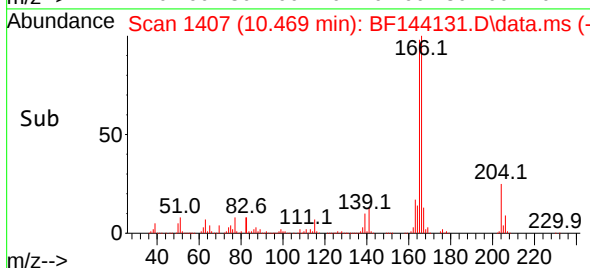
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

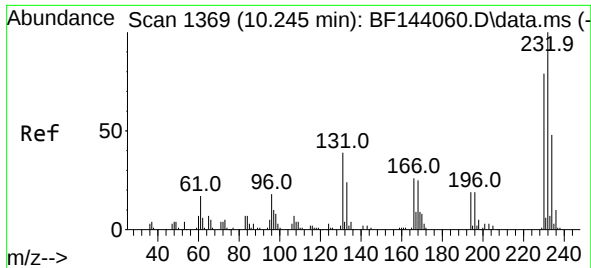


#58
Fluorene
Concen: 50.562 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32



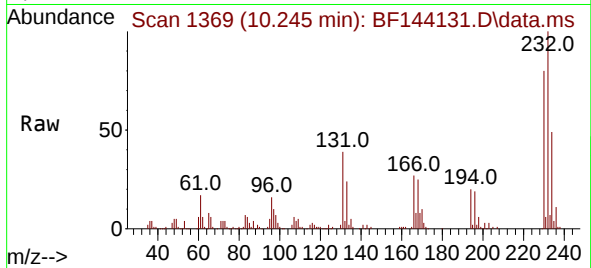
Tgt Ion:166 Resp: 350715
Ion Ratio Lower Upper
166 100
165 97.6 77.0 115.4
167 13.4 10.2 15.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 55.271 ng m
RT: 10.245 min Scan# 1369
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

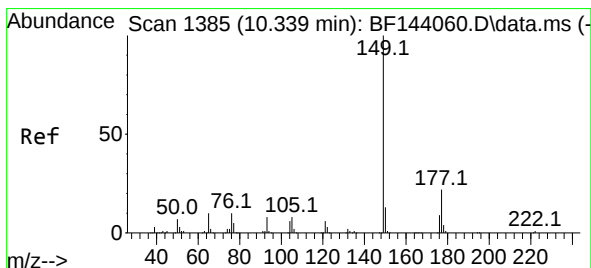
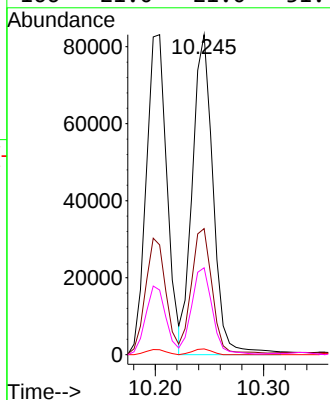
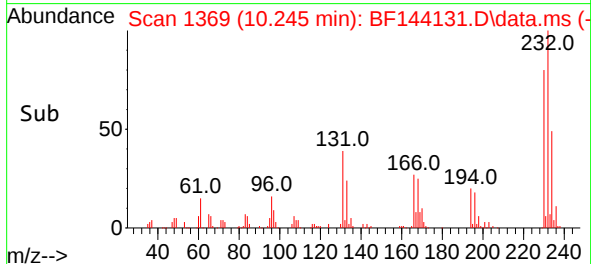
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



Tgt Ion:232 Resp: 110874
Ion Ratio Lower Upper
232 100
131 35.9 31.9 47.9
130 1.6 1.1 1.7
166 21.0 21.0 31.4

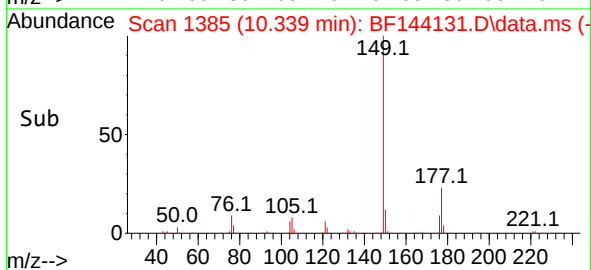
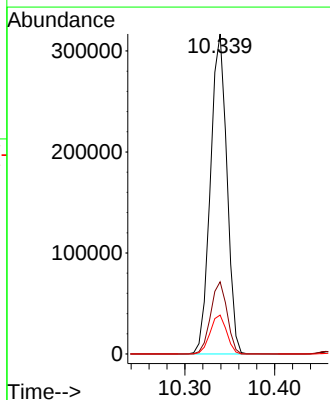
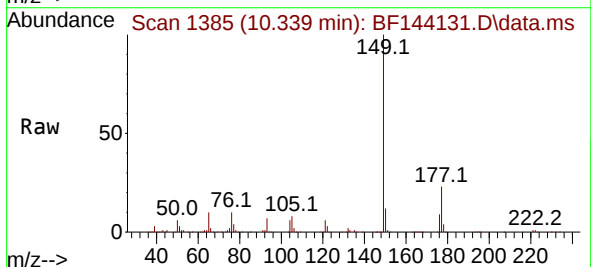
Manual Integrations
APPROVED

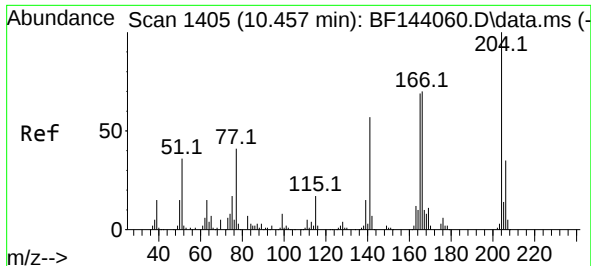
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#60
Diethylphthalate
Concen: 53.894 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

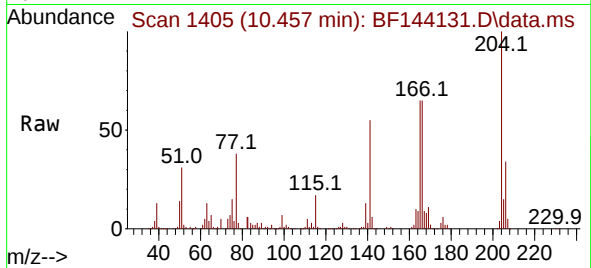
Tgt Ion:149 Resp: 403388
Ion Ratio Lower Upper
149 100
177 22.6 17.8 26.6
150 12.2 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 50.651 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

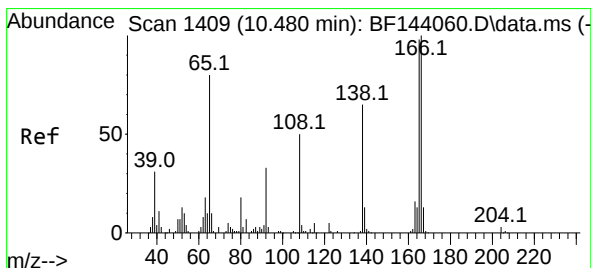
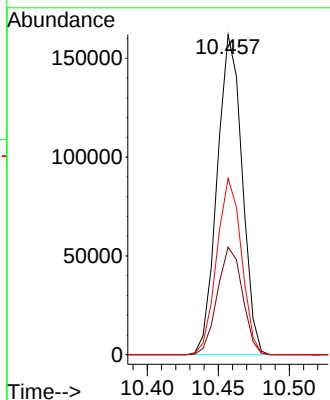
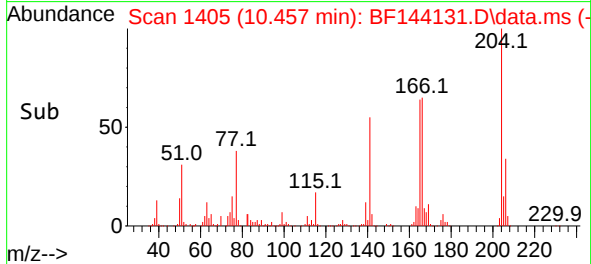
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



Tgt Ion:204 Resp: 197579
Ion Ratio Lower Upper
204 100
206 33.6 27.8 41.6
141 55.1 45.4 68.2

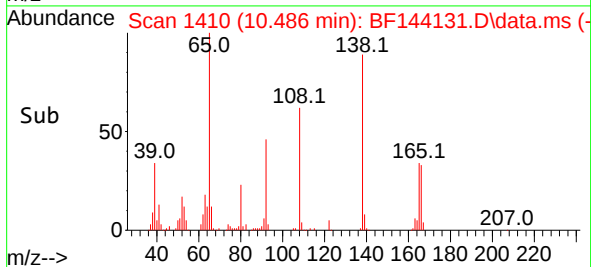
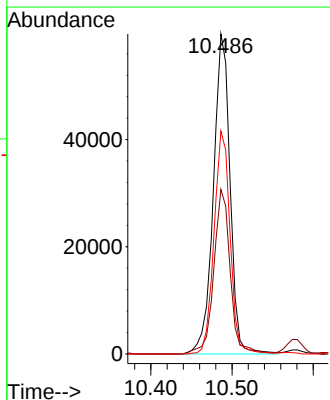
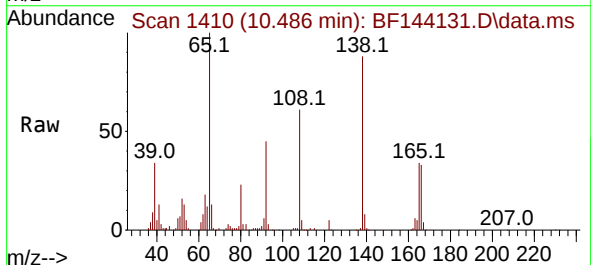
Manual Integrations
APPROVED

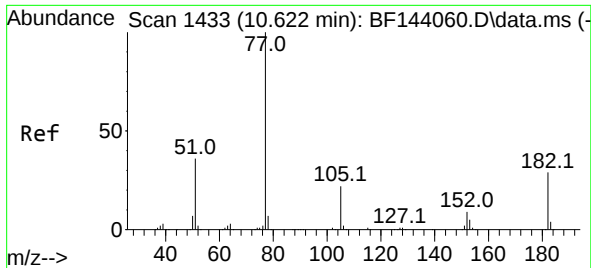
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#62
4-Nitroaniline
Concen: 51.576 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

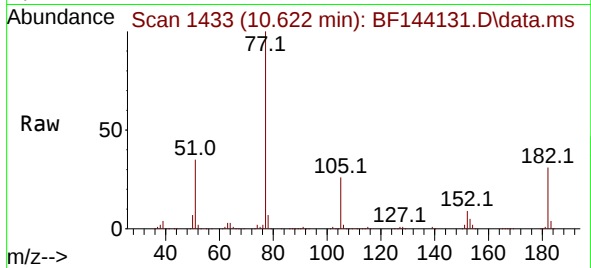
Tgt Ion:138 Resp: 85488
Ion Ratio Lower Upper
138 100
92 51.4 30.5 70.5
108 69.7 56.2 96.2





#63
Azobenzene
Concen: 56.541 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

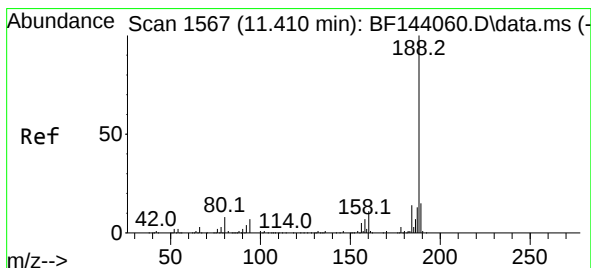
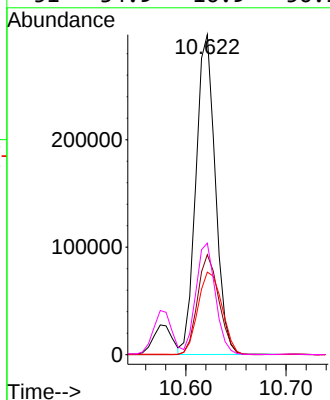
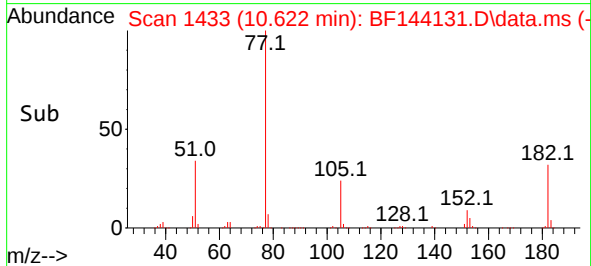
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



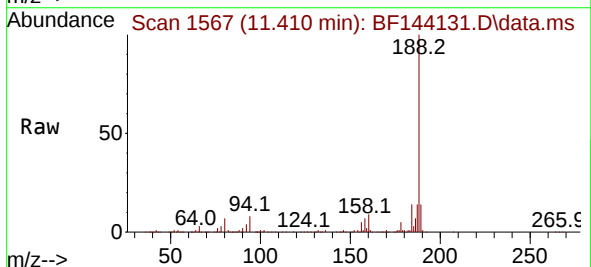
Tgt Ion: 77 Resp: 400552
Ion Ratio Lower Upper
77 100
182 31.3 9.0 49.0
105 25.8 1.4 41.4
51 34.9 16.9 56.9

Manual Integrations
APPROVED

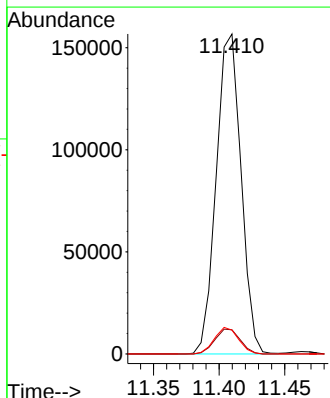
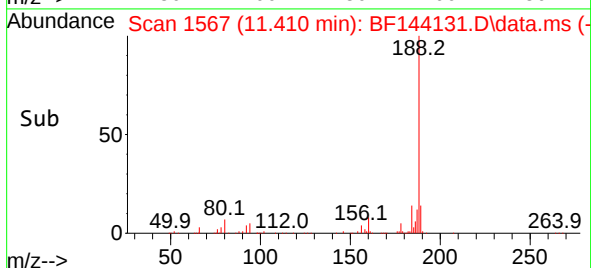
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

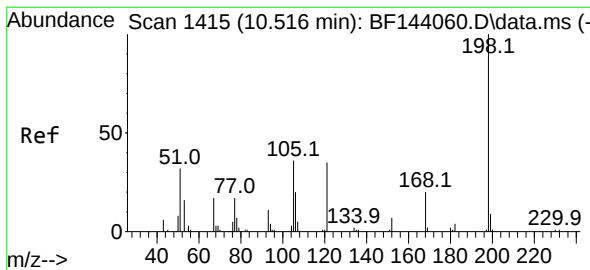


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32



Tgt Ion:188 Resp: 206304
Ion Ratio Lower Upper
188 100
94 7.5 5.4 8.0
80 7.5 6.0 9.0





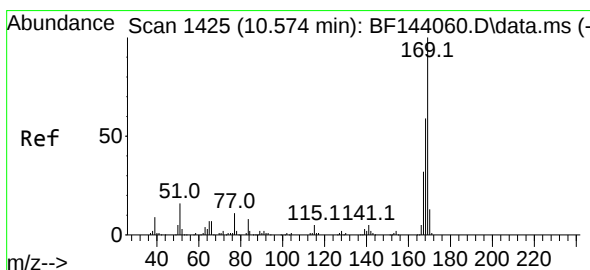
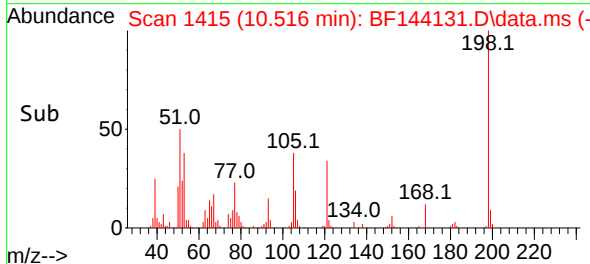
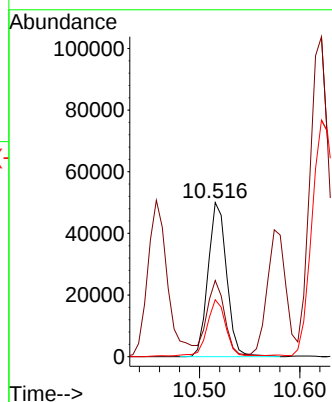
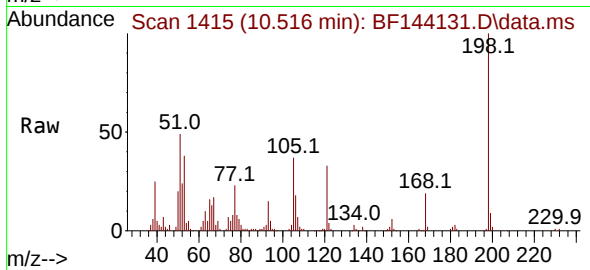
#65
4,6-Dinitro-2-methylphenol
Concen: 48.800 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

Instrument :
BNA_F
ClientSampleId :
TP-13MSD

Tgt Ion:198 Resp: 64592
Ion Ratio Lower Upper
198 100
51 49.4 25.8 65.8
105 37.0 17.2 57.2

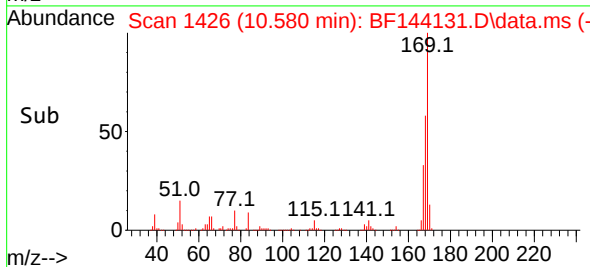
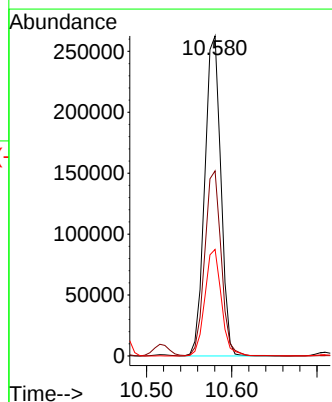
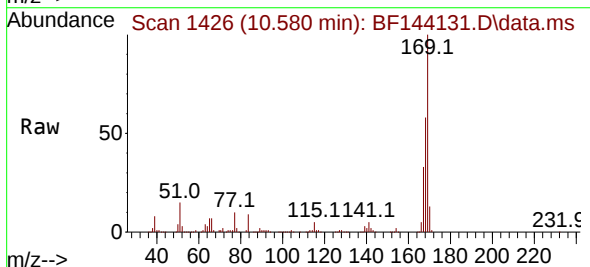
Manual Integrations
APPROVED

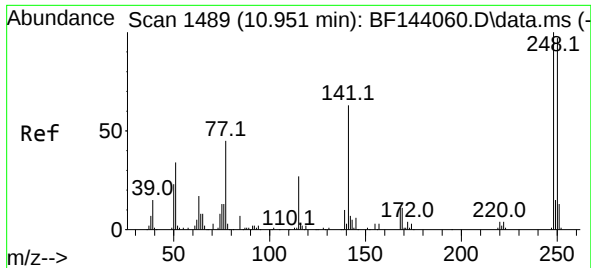
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#66
n-Nitrosodiphenylamine
Concen: 52.149 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

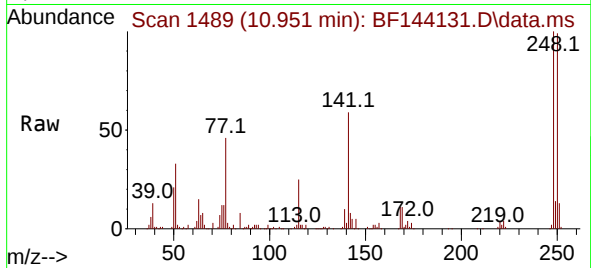
Tgt Ion:169 Resp: 343737
Ion Ratio Lower Upper
169 100
168 57.9 47.4 71.2
167 33.3 25.5 38.3





#67
4-Bromophenyl-phenylether
Concen: 50.725 ng
RT: 10.951 min Scan# 1489
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

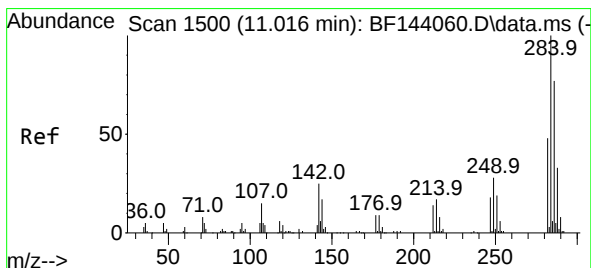
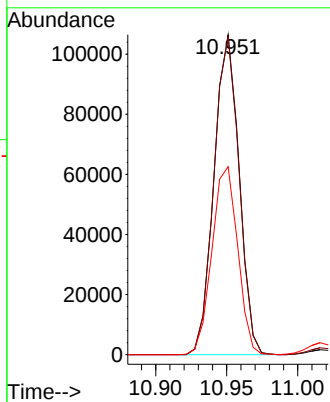
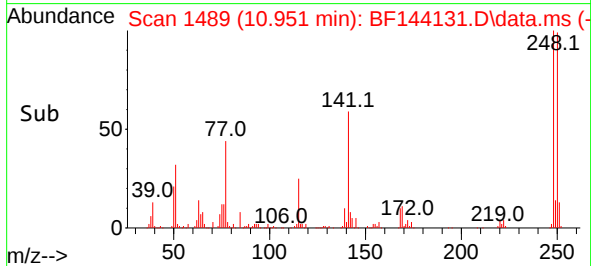
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



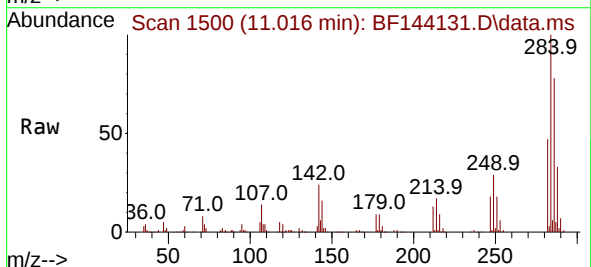
Tgt Ion:248 Resp: 131024
Ion Ratio Lower Upper
248 100
250 99.3 77.8 116.6
141 58.7 50.5 75.7

Manual Integrations
APPROVED

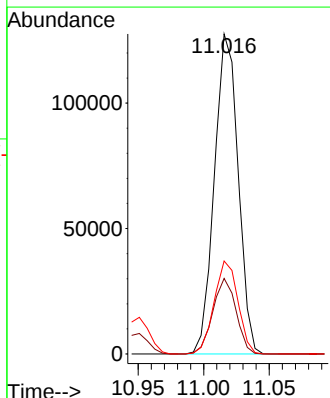
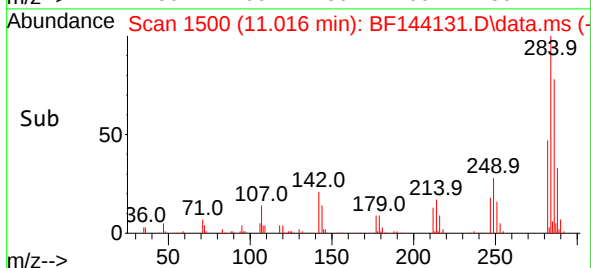
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

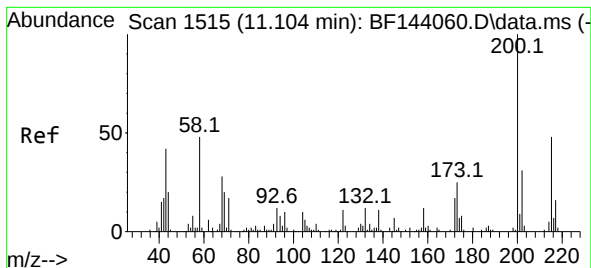


#68
Hexachlorobenzene
Concen: 50.627 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32



Tgt Ion:284 Resp: 160382
Ion Ratio Lower Upper
284 100
142 23.6 20.0 30.0
249 29.1 22.2 33.2





#69

Atrazine

Concen: 54.742 ng

RT: 11.104 min Scan# 1515

Delta R.T. -0.000 min

Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

Instrument :

BNA_F

ClientSampleId :

TP-13MSD

Tgt Ion:200 Resp: 118400

Ion Ratio Lower Upper

200 100

173 27.5 4.9 44.9

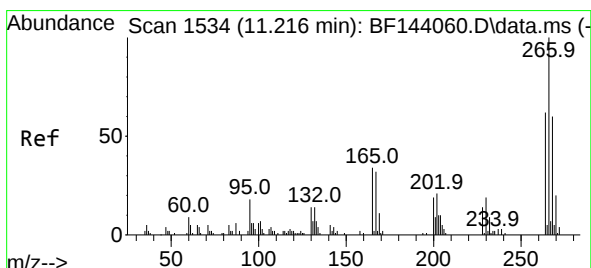
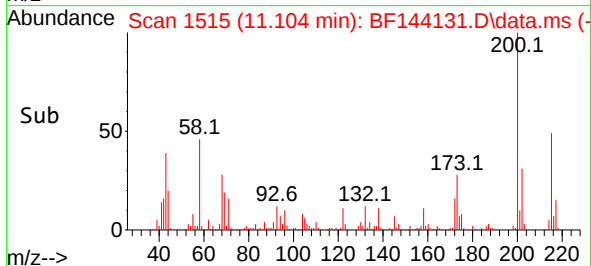
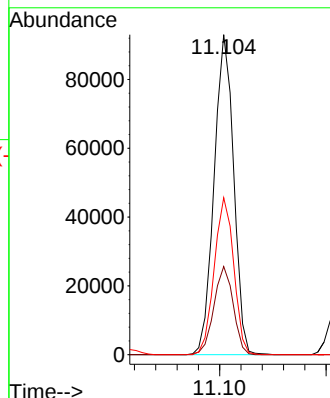
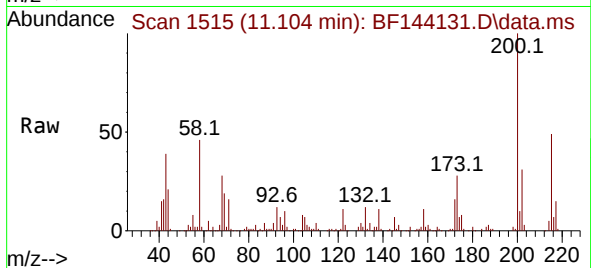
215 49.0 28.2 68.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#70

Pentachlorophenol

Concen: 101.916 ng

RT: 11.216 min Scan# 1534

Delta R.T. -0.000 min

Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

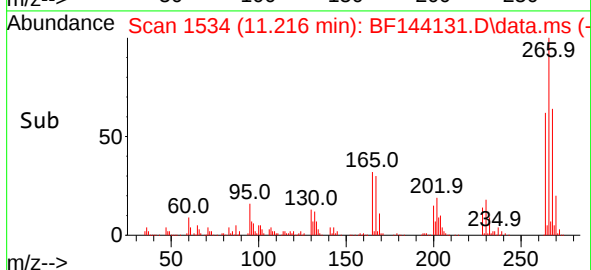
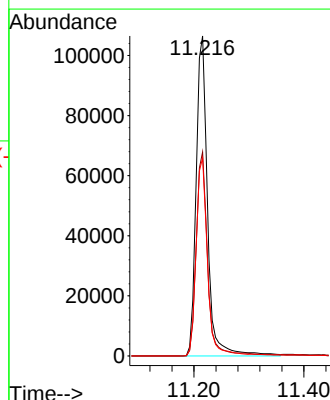
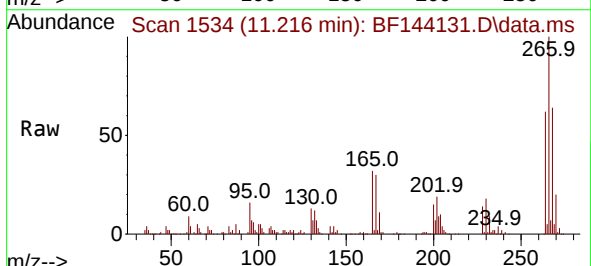
Tgt Ion:266 Resp: 153682

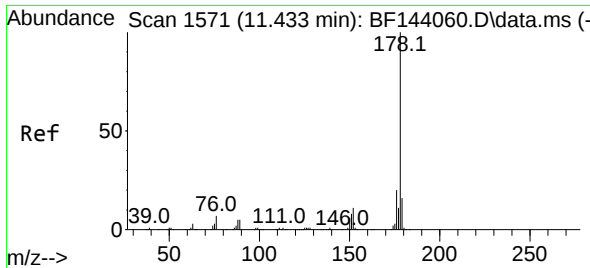
Ion Ratio Lower Upper

266 100

268 63.8 48.2 72.4

264 61.9 49.4 74.0





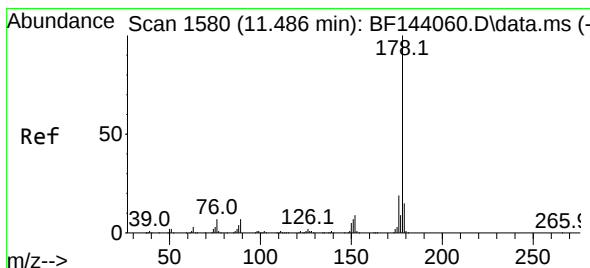
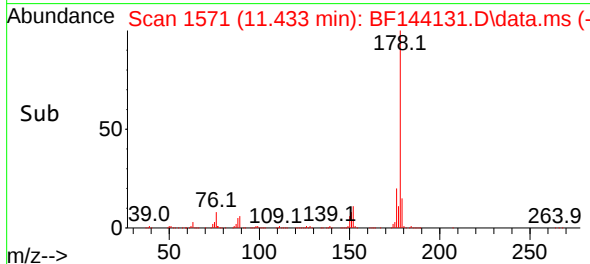
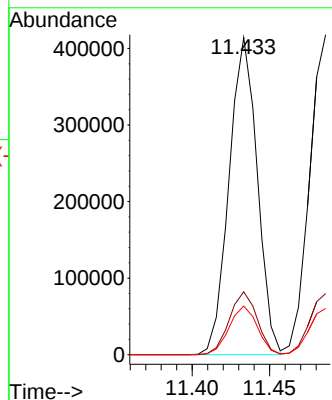
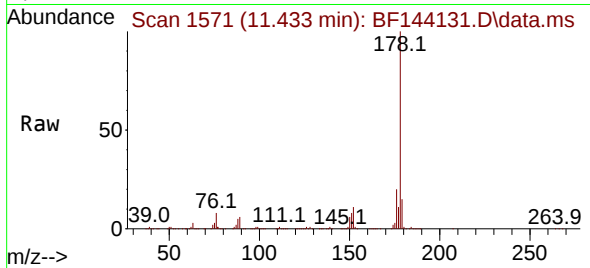
#71
Phenanthrene
Concen: 51.093 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

Instrument :
BNA_F
ClientSampleId :
TP-13MSD

Tgt Ion:178 Resp: 523618
Ion Ratio Lower Upper
178 100
176 19.8 16.3 24.5
179 15.3 12.6 18.8

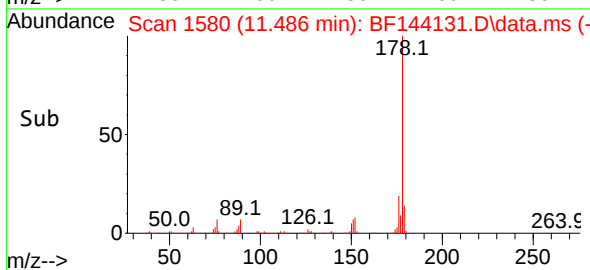
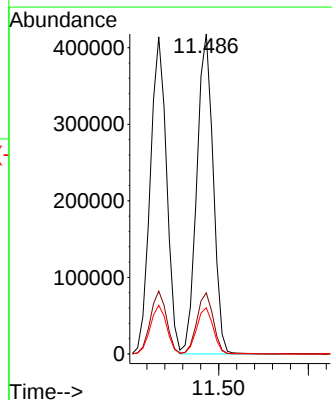
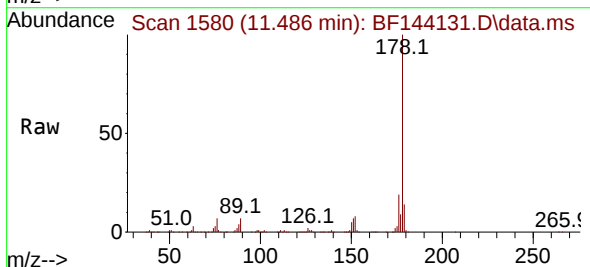
Manual Integrations
APPROVED

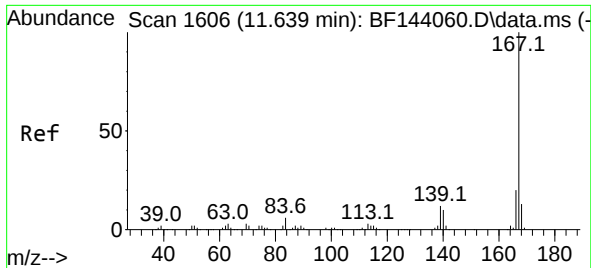
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#72
Anthracene
Concen: 49.845 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

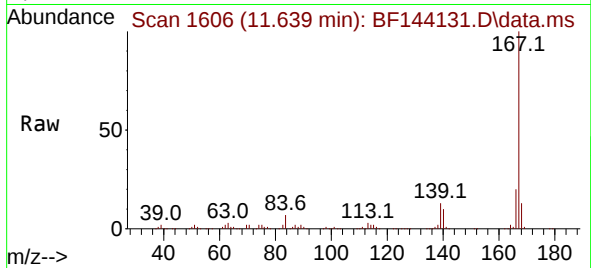
Tgt Ion:178 Resp: 527695
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.4
179 14.4 11.8 17.6





#73
 Carbazole
 Concen: 49.543 ng
 RT: 11.639 min Scan# 1606
 Delta R.T. -0.000 min
 Lab File: BF144131.D
 Acq: 29 Oct 2025 16:32

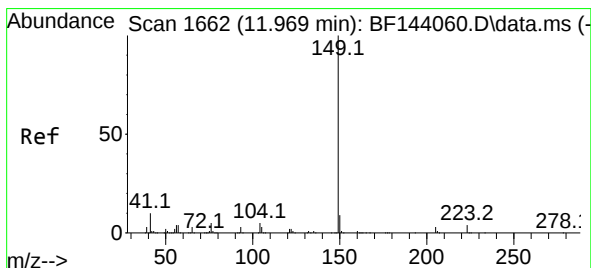
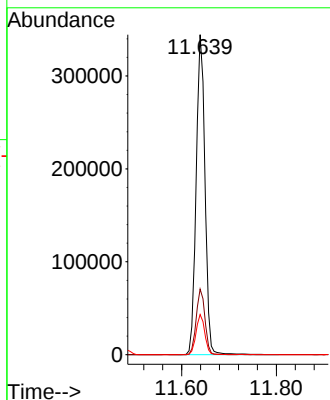
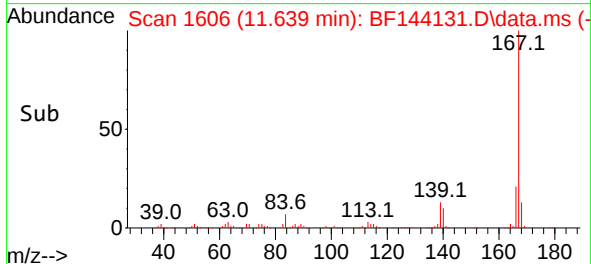
Instrument :
 BNA_F
 ClientSampleId :
 TP-13MSD



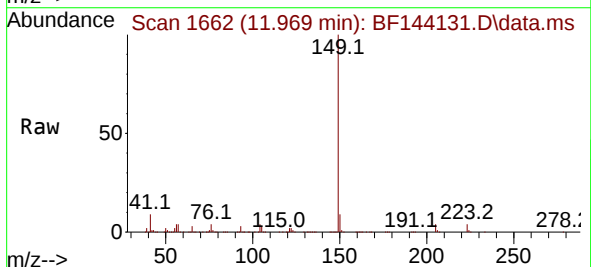
Tgt Ion:167 Resp: 446428
 Ion Ratio Lower Upper
 167 100
 166 20.5 16.1 24.1
 139 12.6 9.8 14.6

Manual Integrations
 APPROVED

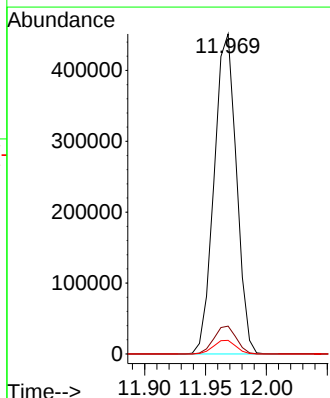
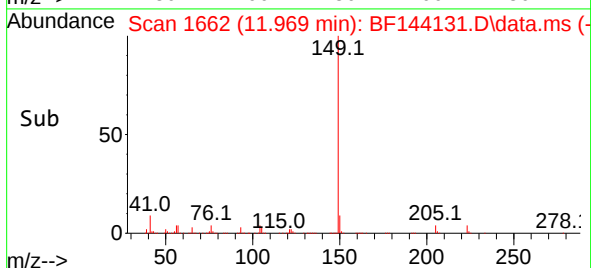
Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 10/30/2025

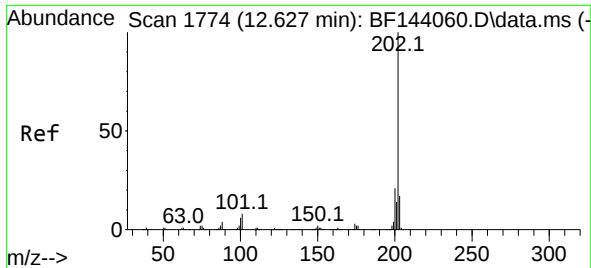


#74
 Di-n-butylphthalate
 Concen: 52.138 ng
 RT: 11.969 min Scan# 1662
 Delta R.T. -0.000 min
 Lab File: BF144131.D
 Acq: 29 Oct 2025 16:32



Tgt Ion:149 Resp: 576013
 Ion Ratio Lower Upper
 149 100
 150 8.7 7.3 10.9
 104 4.2 3.6 5.4





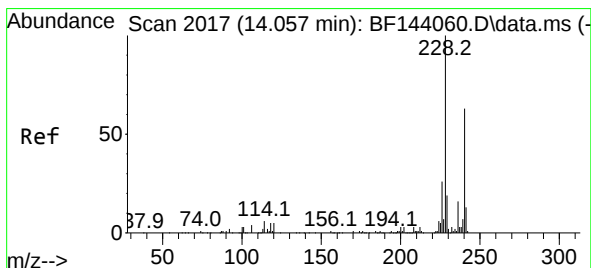
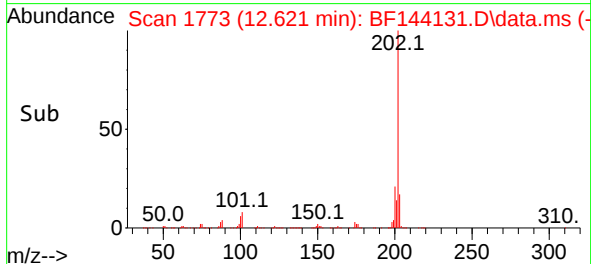
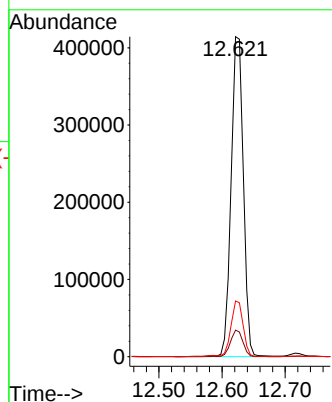
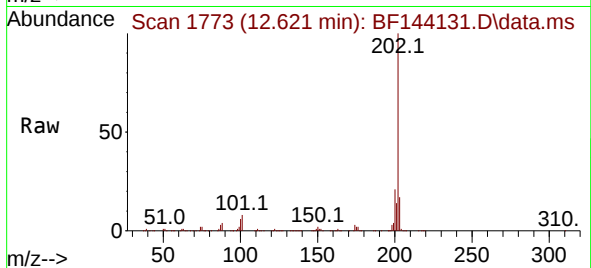
#75
Fluoranthene
Concen: 49.305 ng
RT: 12.621 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

Instrument :
BNA_F
ClientSampleId :
TP-13MSD

Tgt Ion:202 Resp: 55824
Ion Ratio Lower Upper
202 100
101 8.3 0.0 27.7
203 17.4 0.0 37.3

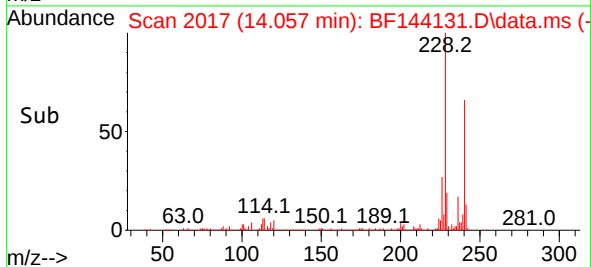
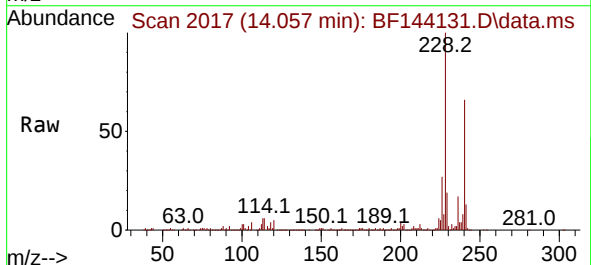
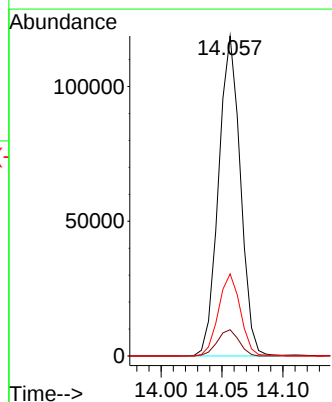
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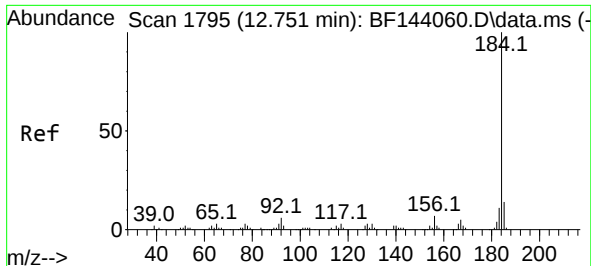
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

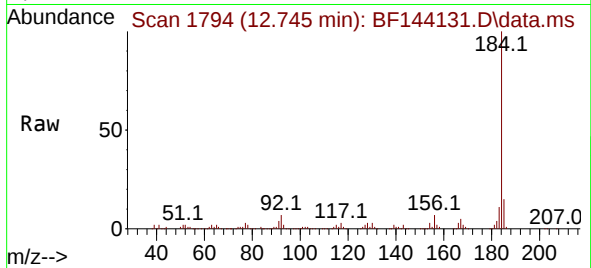
Tgt Ion:240 Resp: 148079
Ion Ratio Lower Upper
240 100
120 8.2 6.5 9.7
236 25.6 20.1 30.1





#77
Benzidine
Concen: 43.081 ng
RT: 12.745 min Scan# 1794
Delta R.T. -0.006 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

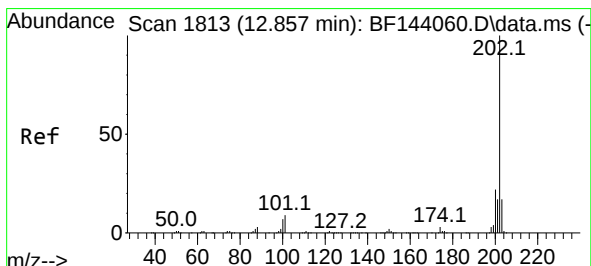
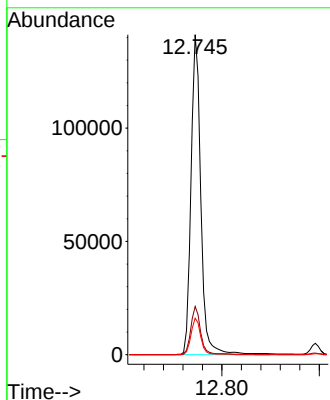
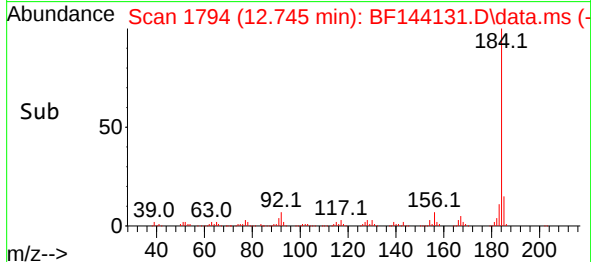
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



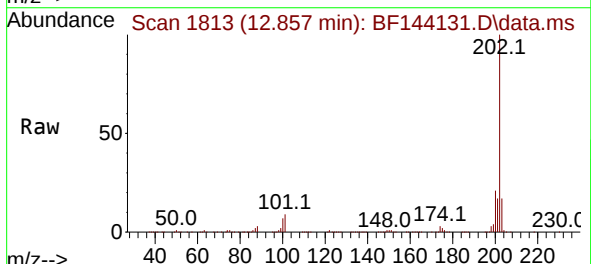
Tgt Ion:184 Resp: 198530
Ion Ratio Lower Upper
184 100
185 15.0 11.6 17.4
183 11.4 8.5 12.7

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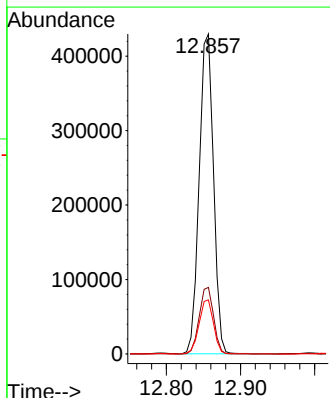
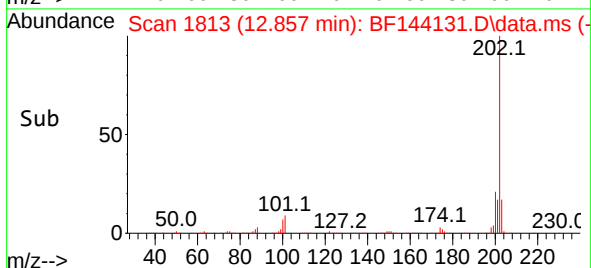
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025

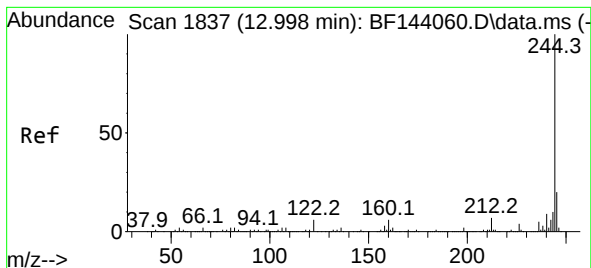


#78
Pyrene
Concen: 54.011 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32



Tgt Ion:202 Resp: 574988
Ion Ratio Lower Upper
202 100
200 20.8 17.2 25.8
203 16.9 13.5 20.3





#79

Terphenyl-d14

Concen: 59.464 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF144131.D

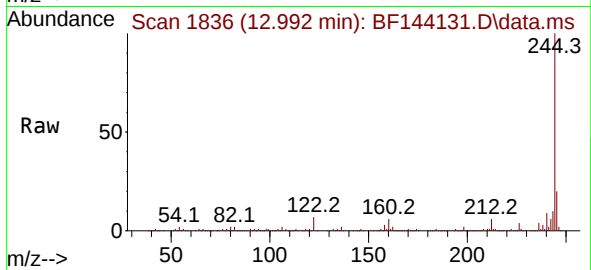
Acq: 29 Oct 2025 16:32

Instrument :

BNA_F

ClientSampleId :

TP-13MSD



Tgt Ion:244 Resp: 50367

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.6

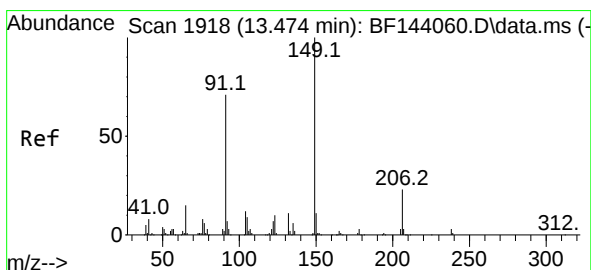
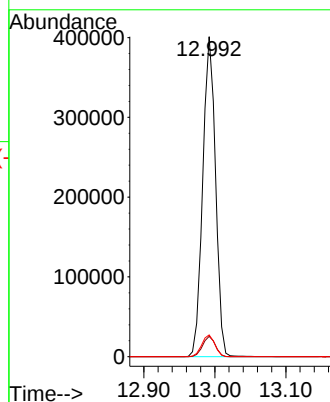
122 6.8 4.9 7.3

Manual Integrations

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Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#80

Butylbenzylphthalate

Concen: 52.302 ng

RT: 13.468 min Scan# 1917

Delta R.T. -0.006 min

Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

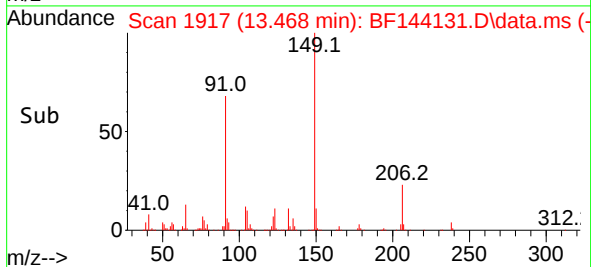
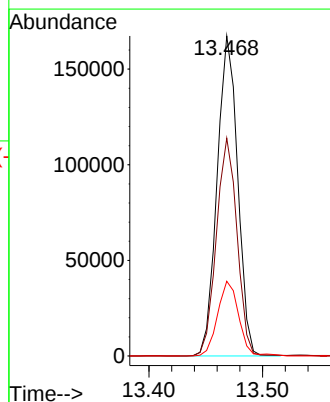
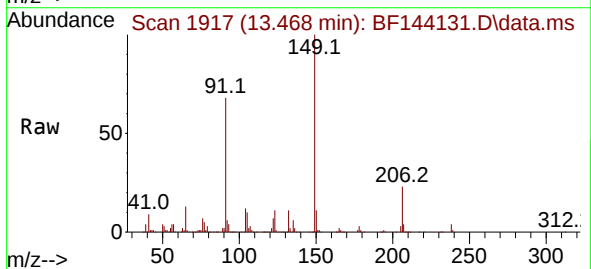
Tgt Ion:149 Resp: 210648

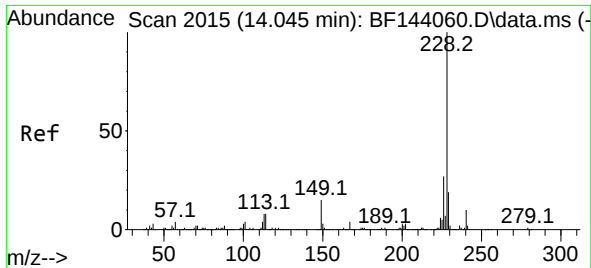
Ion Ratio Lower Upper

149 100

91 68.0 56.6 84.8

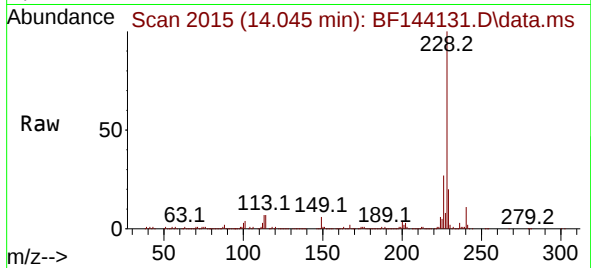
206 23.4 18.3 27.5





#81
Benzo(a)anthracene
Concen: 55.332 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

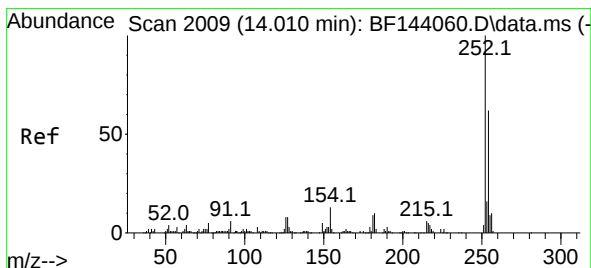
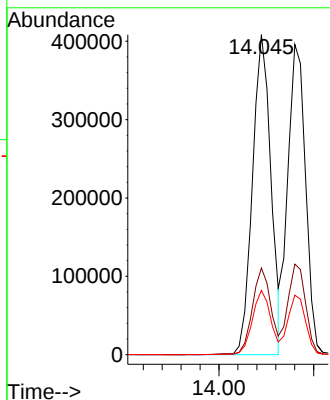
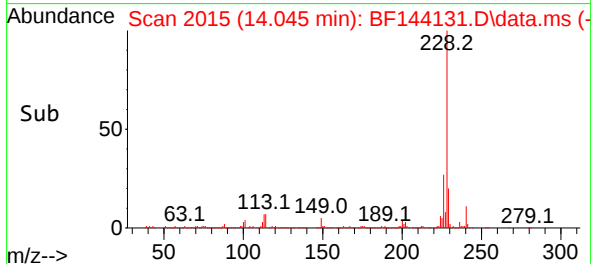
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



Tgt Ion:228 Resp: 553718
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.2
229 20.1 15.3 22.9

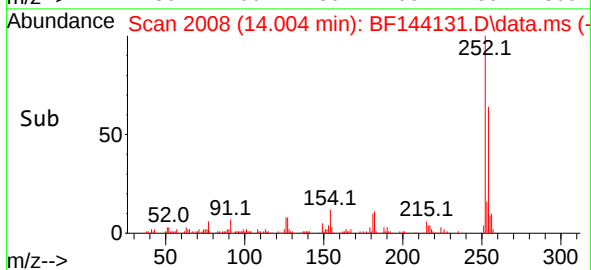
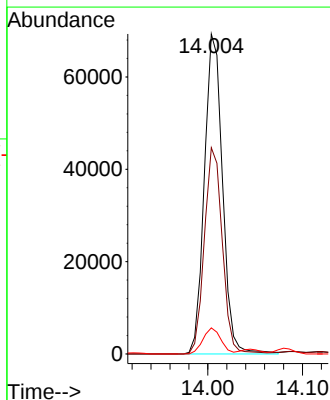
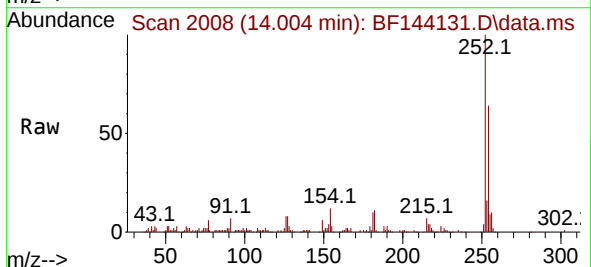
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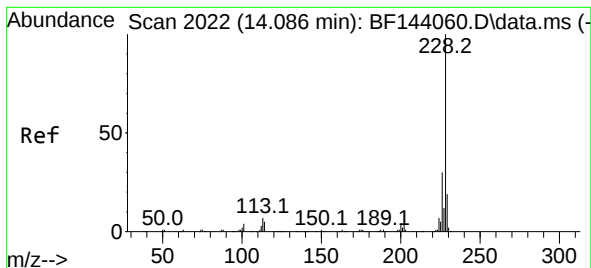
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#82
3,3'-Dichlorobenzidine
Concen: 26.521 ng
RT: 14.004 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

Tgt Ion:252 Resp: 92388
Ion Ratio Lower Upper
252 100
254 64.5 49.9 74.9
126 8.2 6.5 9.7





#83

Chrysene

Concen: 54.526 ng

RT: 14.080 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

Instrument :

BNA_F

ClientSampleId :

TP-13MSD

Tgt Ion:228 Resp: 51204

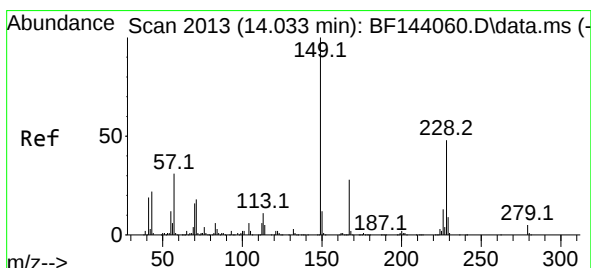
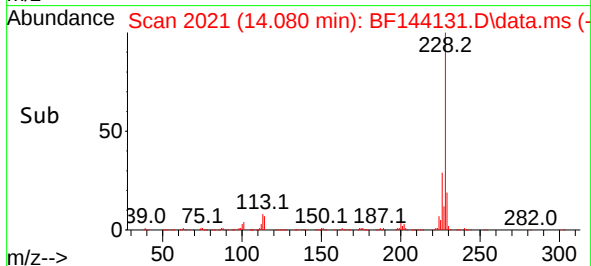
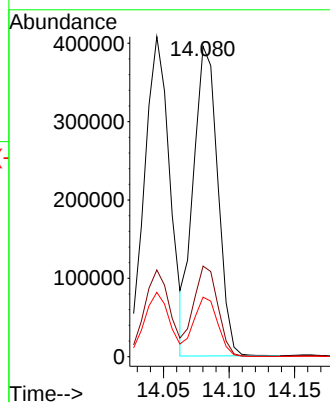
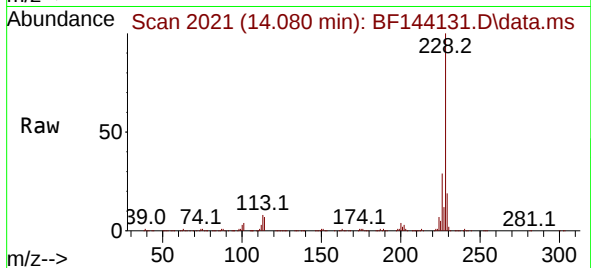
Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.8	35.6
229	19.2	15.6	23.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.373 ng

RT: 14.027 min Scan# 2012

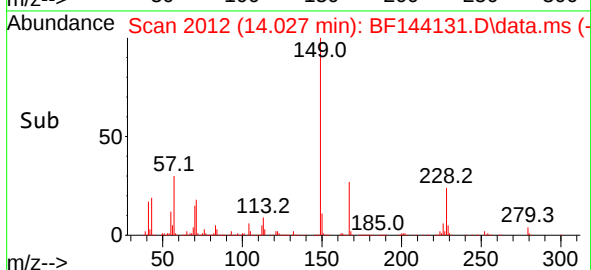
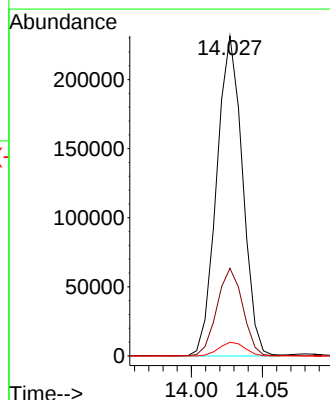
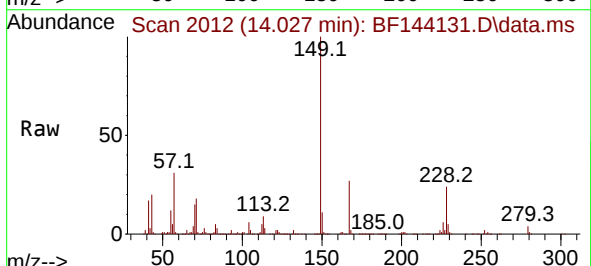
Delta R.T. -0.006 min

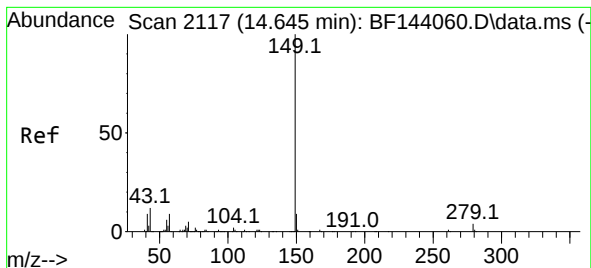
Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

Tgt Ion:149 Resp: 293458

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.5	33.7
279	4.3	3.6	5.4





#85

Di-n-octyl phthalate

Concen: 54.889 ng

RT: 14.639 min Scan# 2116

Delta R.T. -0.006 min

Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

Instrument :

BNA_F

ClientSampleId :

TP-13MSD

Tgt Ion:149 Resp: 51900

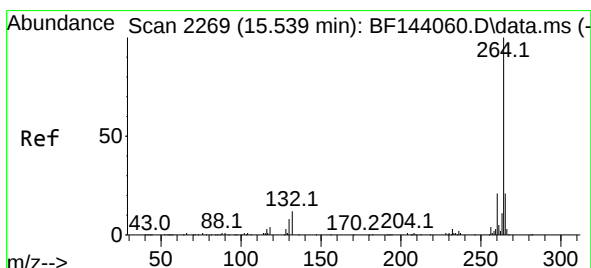
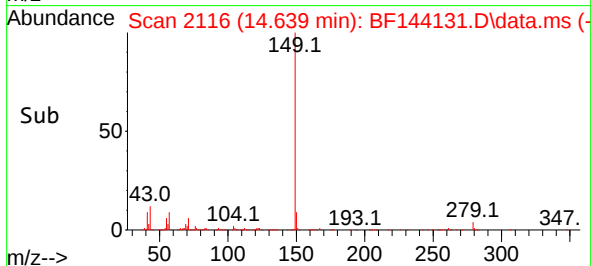
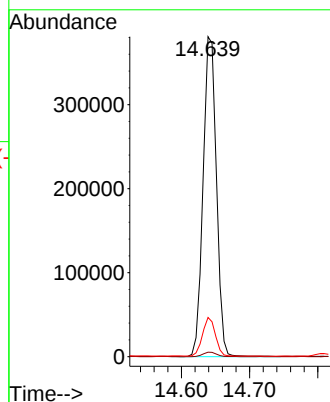
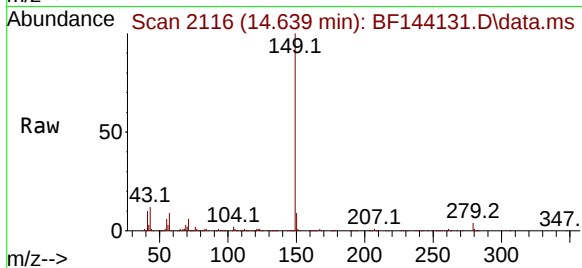
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.7	9.3	13.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

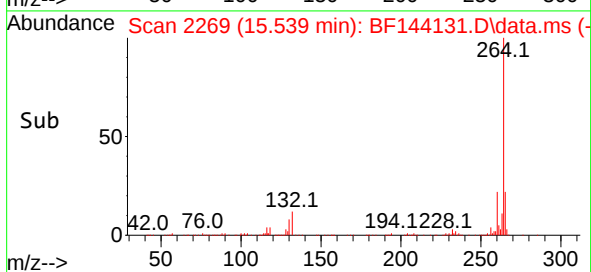
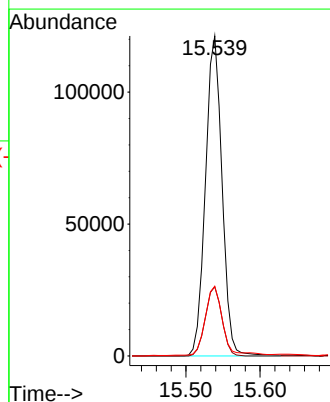
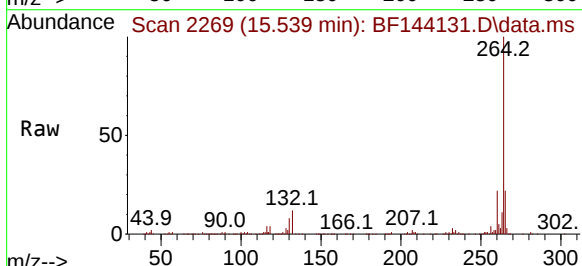
Delta R.T. -0.000 min

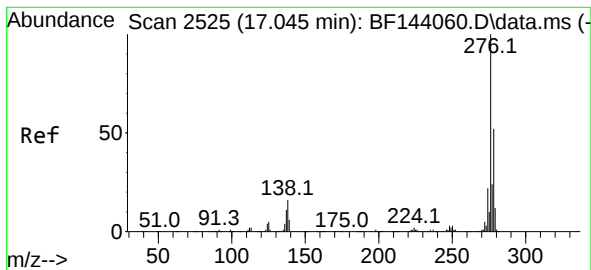
Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

Tgt Ion:264 Resp: 188765

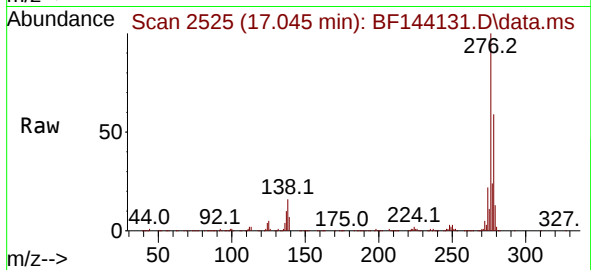
Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.0	25.4
265	21.8	16.6	24.8





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 43.551 ng
 RT: 17.045 min Scan# 2195
 Delta R.T. -0.000 min
 Lab File: BF144131.D
 Acq: 29 Oct 2025 16:32

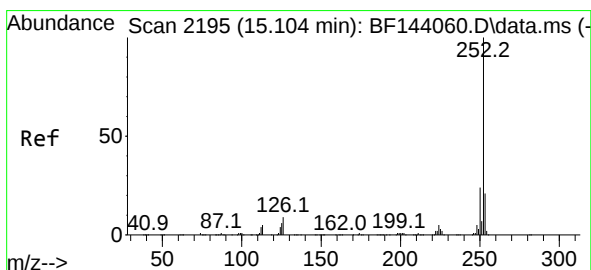
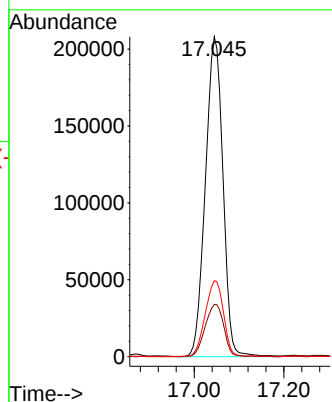
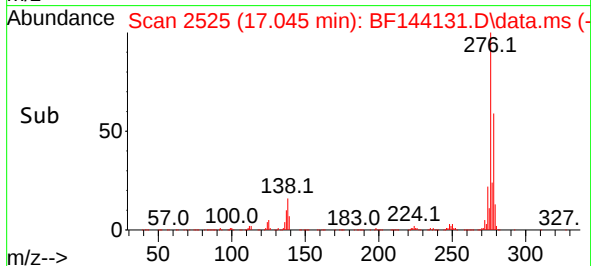
Instrument :
 BNA_F
 ClientSampleId :
 TP-13MSD



Tgt Ion:276 Resp: 564415
 Ion Ratio Lower Upper
 276 100
 138 17.4 13.0 19.6
 277 24.5 19.4 29.0

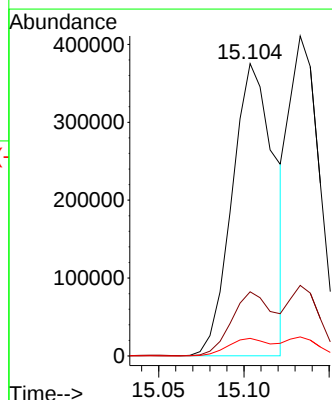
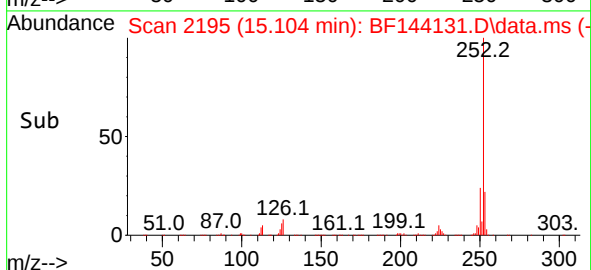
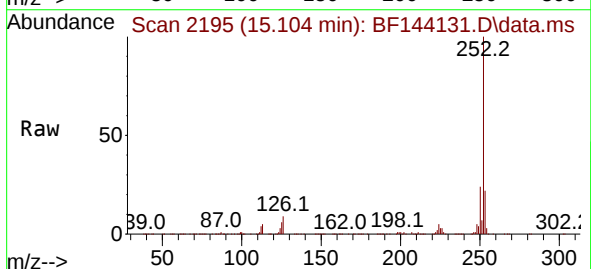
Manual Integrations
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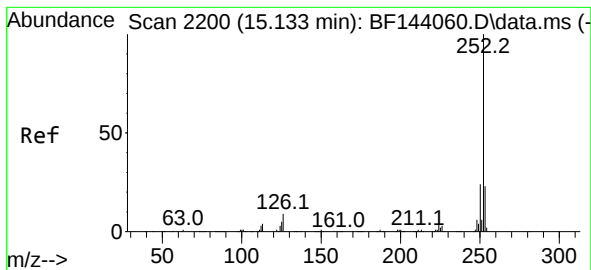
Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 10/30/2025



#88
 Benzo(b)fluoranthene
 Concen: 60.589 ng
 RT: 15.104 min Scan# 2195
 Delta R.T. -0.000 min
 Lab File: BF144131.D
 Acq: 29 Oct 2025 16:32

Tgt Ion:252 Resp: 646577
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.2 25.8
 125 6.0 5.0 7.6





#89

Benzo(k)fluoranthene

Concen: 51.926 ng

RT: 15.133 min Scan# 2200

Delta R.T. -0.000 min

Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

Instrument :

BNA_F

ClientSampleId :

TP-13MSD

Tgt Ion:252 Resp: 511250

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

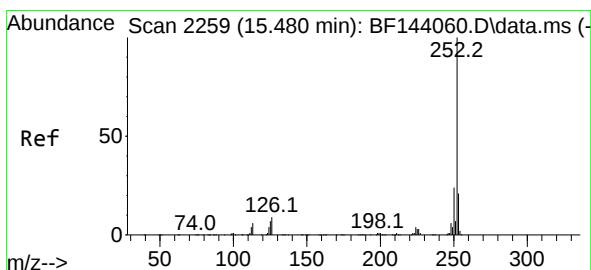
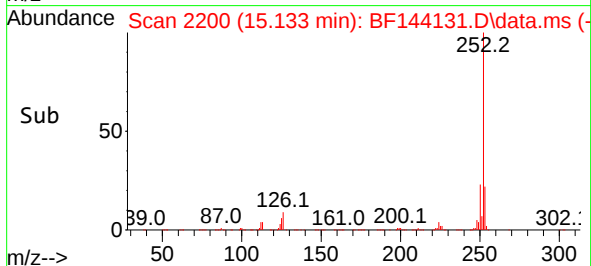
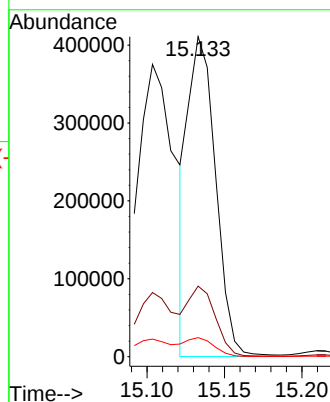
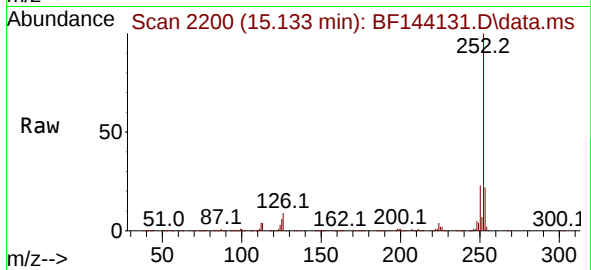
125 6.0 4.9 7.3

Manual Integrations

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Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 10/30/2025



#90

Benzo(a)pyrene

Concen: 58.612 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.000 min

Lab File: BF144131.D

Acq: 29 Oct 2025 16:32

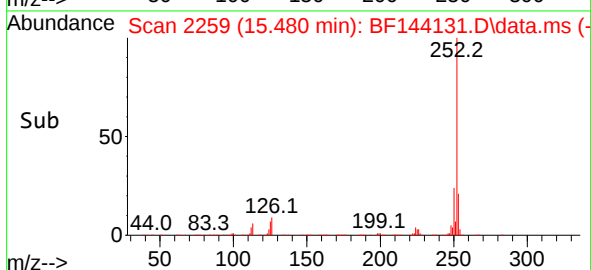
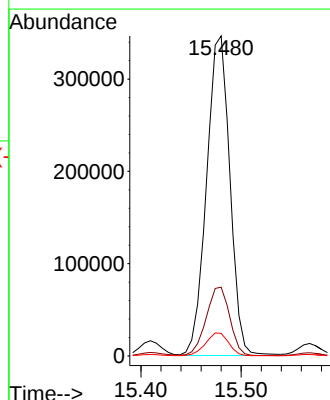
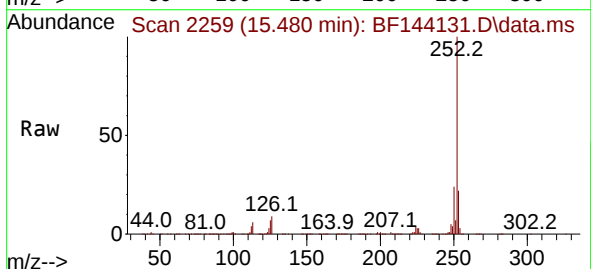
Tgt Ion:252 Resp: 561132

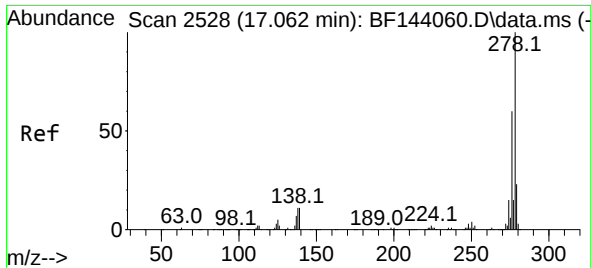
Ion Ratio Lower Upper

252 100

253 21.5 17.1 25.7

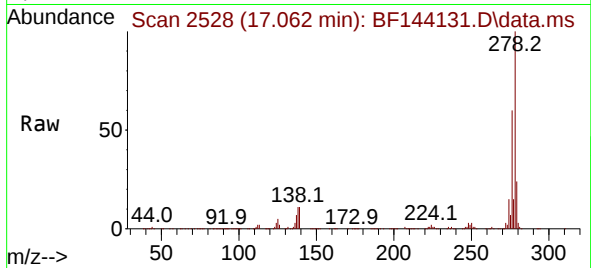
125 7.0 5.4 8.2





#91
Dibenzo(a,h)anthracene
Concen: 44.409 ng
RT: 17.062 min Scan# 2528
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

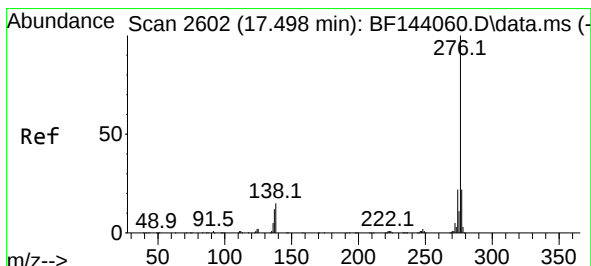
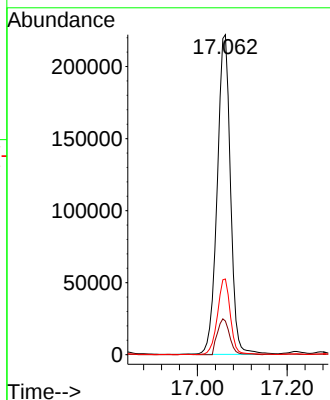
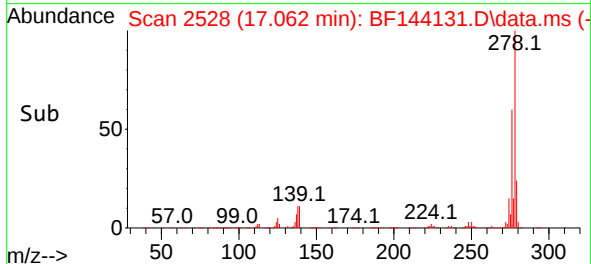
Instrument :
BNA_F
ClientSampleId :
TP-13MSD



Tgt Ion:278 Resp: 455578
Ion Ratio Lower Upper
278 100
139 10.5 8.5 12.7
279 23.7 18.6 28.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 10/30/2025



#92
Benzo(g,h,i)perylene
Concen: 40.415 ng
RT: 17.498 min Scan# 2602
Delta R.T. -0.000 min
Lab File: BF144131.D
Acq: 29 Oct 2025 16:32

Tgt Ion:276 Resp: 416837
Ion Ratio Lower Upper
276 100
277 23.6 17.9 26.9
138 14.8 12.0 18.0

