

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112425\
 Data File : BF144330.D
 Acq On : 24 Nov 2025 18:18
 Operator : RC/JU
 Sample : Q3707-03MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V933MSD

Quant Time: Nov 25 00:27:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2025
 Supervised By :mohammad ahmed 11/26/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	52039	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	202390	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	108226	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	171619	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	114576	20.000	ng	0.00
86) Perylene-d12	15.521	264	160719	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	425371	127.914	ng	0.00
7) Phenol-d6	6.504	99	453790	120.433	ng	0.00
23) Nitrobenzene-d5	7.428	82	322021	91.893	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	167173	123.092	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	671747	91.672	ng	0.00
79) Terphenyl-d14	12.980	244	649135	89.992	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.757	88	64807	47.138	ng	# 81
3) Pyridine	3.493	79	163027	42.503	ng	97
4) n-Nitrosodimethylamine	3.428	42	99465	49.645	ng	89
6) Aniline	6.528	93	148943	27.744	ng	# 75
8) 2-Chlorophenol	6.651	128	162684	49.884	ng	99
9) Benzaldehyde	6.416	77	55572	26.118	ng	95
10) Phenol	6.516	94	201463	43.761	ng	96
11) bis(2-Chloroethyl)ether	6.598	93	176319	52.561	ng	100
12) 1,3-Dichlorobenzene	6.804	146	198322	49.282	ng	97
13) 1,4-Dichlorobenzene	6.881	146	198450	49.223	ng	99
14) 1,2-Dichlorobenzene	7.034	146	189467	49.030	ng	99
15) Benzyl Alcohol	7.010	79	151176	50.669	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.134	45	319472	51.716	ng	87
17) 2-Methylphenol	7.122	107	126178	48.634	ng	95
18) Hexachloroethane	7.375	117	62452	46.625	ng	96
19) n-Nitroso-di-n-propyla...	7.275	70	121785	49.097	ng	99
20) 3+4-Methylphenols	7.275	107	145747	47.655	ng	91
22) Acetophenone	7.275	105	213073	49.076	ng	99
24) Nitrobenzene	7.445	77	185466	48.745	ng	98
25) Isophorone	7.687	82	323244	48.766	ng	98
26) 2-Nitrophenol	7.763	139	95946	50.941	ng	96
27) 2,4-Dimethylphenol	7.798	122	155767	55.178	ng	100
28) bis(2-Chloroethoxy)met...	7.892	93	211304	51.050	ng	97
29) 2,4-Dichlorophenol	8.010	162	157975	48.553	ng	99
30) 1,2,4-Trichlorobenzene	8.087	180	165162	49.434	ng	96
31) Naphthalene	8.169	128	461276	47.912	ng	99
32) Benzoic acid	7.928	122	92418	44.662	ng	98
33) 4-Chloroaniline	8.216	127	55944	15.933	ng	98
34) Hexachlorobutadiene	8.281	225	114173	45.343	ng	99
35) Caprolactam	8.586	113	38566m	43.264	ng	
36) 4-Chloro-3-methylphenol	8.704	107	138637	47.544	ng	98
37) 2-Methylnaphthalene	8.857	142	284169	44.147	ng	99
38) 1-Methylnaphthalene	8.957	142	288234	46.408	ng	99
40) 1,2,4,5-Tetrachloroben...	9.028	216	172580	48.656	ng	99
41) Hexachlorocyclopentadiene	9.010	237	131391	90.249	ng	97
43) 2,4,6-Trichlorophenol	9.139	196	116605	48.302	ng	99

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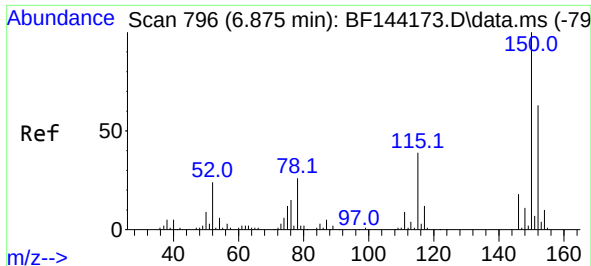
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	125939	48.404	ng	99
46) 1,1'-Biphenyl	9.322	154	385263	50.998	ng	99
47) 2-Chloronaphthalene	9.351	162	317400	49.255	ng	99
48) 2-Nitroaniline	9.445	65	93618	50.350	ng	97
49) Acenaphthylene	9.763	152	487623	55.528	ng	100
50) Dimethylphthalate	9.622	163	351298	48.997	ng	100
51) 2,6-Dinitrotoluene	9.686	165	76020	52.377	ng	97
52) Acenaphthene	9.939	154	266576	45.395	ng	100
53) 3-Nitroaniline	9.863	138	47055	29.658	ng	98
54) 2,4-Dinitrophenol	9.975	184	82188	93.776	ng	97
55) Dibenzofuran	10.110	168	395890	48.136	ng	99
56) 4-Nitrophenol	10.028	139	91223	79.484	ng	97
57) 2,4-Dinitrotoluene	10.098	165	97261	50.058	ng	# 96
58) Fluorene	10.451	166	307030	49.100	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	89825	48.796	ng	98
60) Diethylphthalate	10.322	149	313576	47.444	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	164852	46.282	ng	99
62) 4-Nitroaniline	10.475	138	68956	45.638	ng	92
63) Azobenzene	10.604	77	313024	50.888	ng	97
65) 4,6-Dinitro-2-methylph...	10.510	198	54861	47.056	ng	92
66) n-Nitrosodiphenylamine	10.563	169	289982	52.536	ng	100
67) 4-Bromophenyl-phenylether	10.933	248	108214	49.400	ng	99
68) Hexachlorobenzene	11.004	284	127803	49.533	ng	97
69) Atrazine	11.092	200	90646	51.638	ng	97
70) Pentachlorophenol	11.204	266	124036	96.539	ng	99
71) Phenanthrene	11.422	178	438107	51.273	ng	100
72) Anthracene	11.469	178	440820	50.736	ng	99
73) Carbazole	11.627	167	374267	50.658	ng	99
74) Di-n-butylphthalate	11.951	149	454700	50.910	ng	99
75) Fluoranthene	12.610	202	432844	49.038	ng	99
77) Benzidine	12.733	184	76022	22.431	ng	98
78) Pyrene	12.839	202	444156	48.078	ng	99
80) Butylbenzylphthalate	13.451	149	167908	52.441	ng	99
81) Benzo(a)anthracene	14.033	228	425225	53.548	ng	99
82) 3,3'-Dichlorobenzidine	13.992	252	95541	35.100	ng	97
83) Chrysene	14.068	228	398390	54.346	ng	99
84) Bis(2-ethylhexyl)phtha...	14.010	149	230126	52.503	ng	98
85) Di-n-octyl phthalate	14.627	149	428567	56.671	ng	99
87) Indeno(1,2,3-cd)pyrene	17.033	276	578952	50.182	ng	97
88) Benzo(b)fluoranthene	15.092	252	480078	52.541	ng	100
89) Benzo(k)fluoranthene	15.121	252	457004	53.436	ng	99
90) Benzo(a)pyrene	15.463	252	465036	55.168	ng	98
91) Dibenzo(a,h)anthracene	17.045	278	469297	50.650	ng	99
92) Benzo(g,h,i)perylene	17.486	276	483782	52.874	ng	98

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

Manual Integrations APPROVED

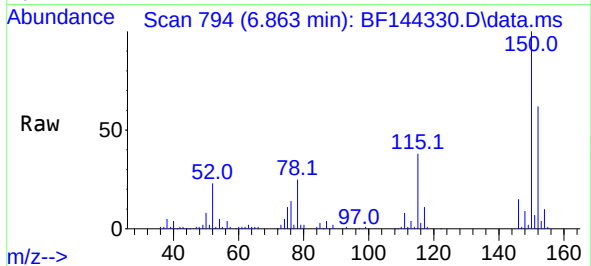
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

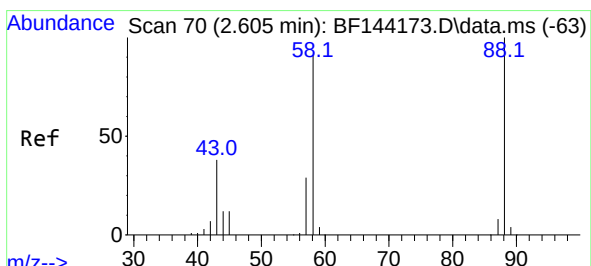
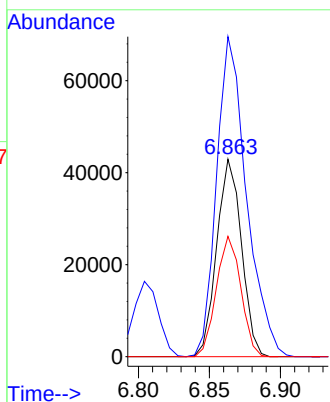
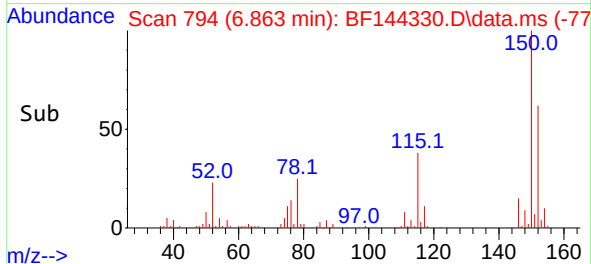
Instrument :
BNA_F
ClientSampleId :
V933MSD



Tgt Ion:152 Resp: 52039
Ion Ratio Lower Upper
152 100
150 162.1 127.4 191.0
115 61.0 49.5 74.3

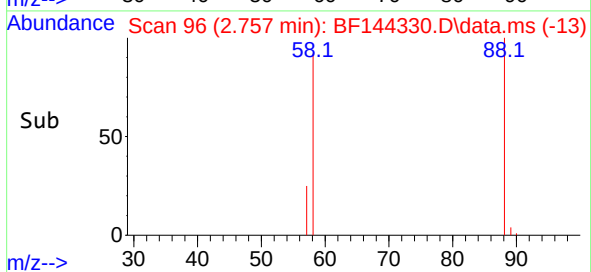
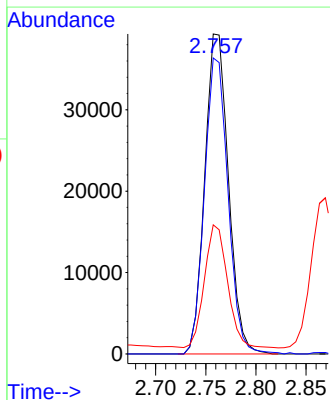
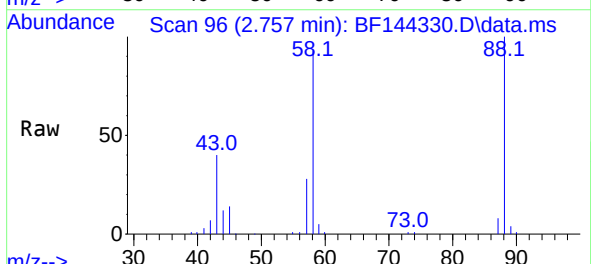
Manual Integrations
APPROVED

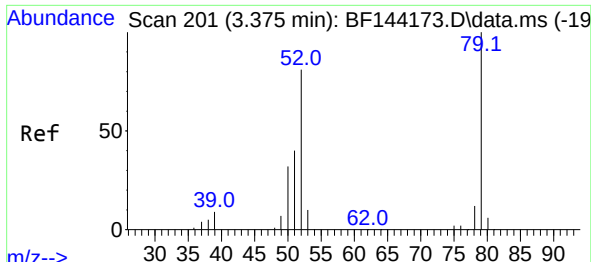
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#2
1,4-Dioxane
Concen: 47.138 ng
RT: 2.757 min Scan# 96
Delta R.T. 0.141 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

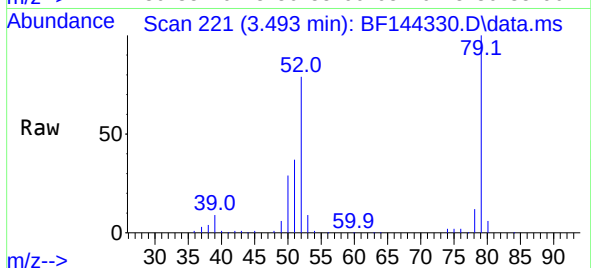
Tgt Ion: 88 Resp: 64807
Ion Ratio Lower Upper
88 100
58 92.0 73.1 109.7
43 0.0 31.0 46.6





#3
Pyridine
Concen: 42.503 ng
RT: 3.493 min Scan# 210
Delta R.T. 0.082 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

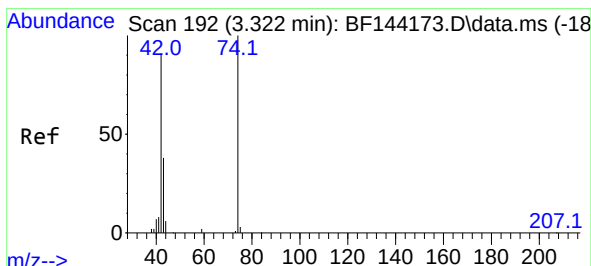
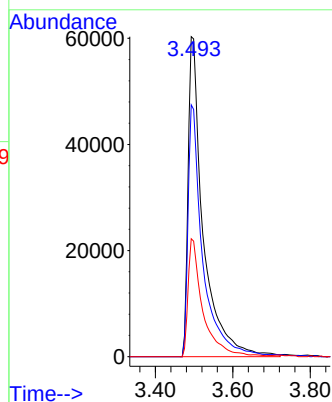
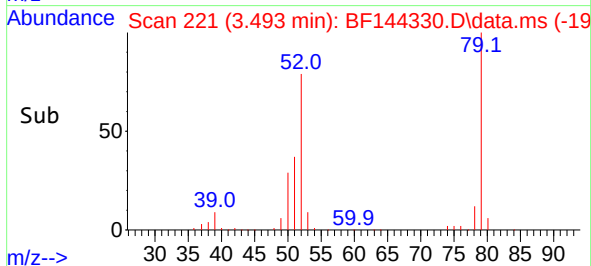
Instrument :
BNA_F
ClientSampleId :
V933MSD



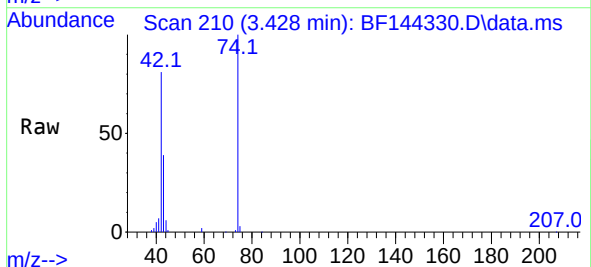
Tgt Ion: 79 Resp: 16302
Ion Ratio Lower Upper
79 100
52 78.7 64.5 96.7
51 36.9 31.7 47.5

Manual Integrations
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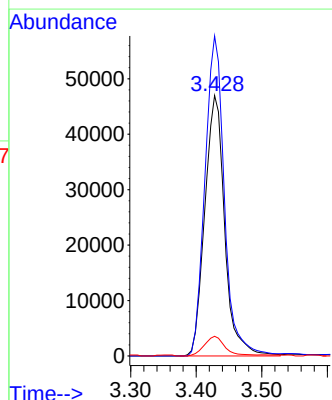
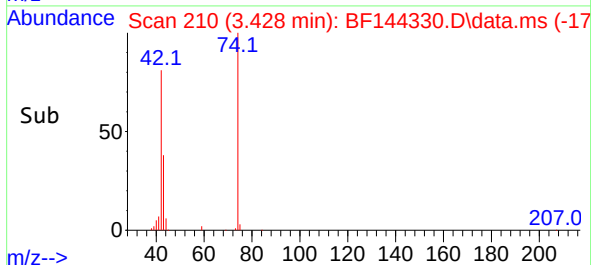
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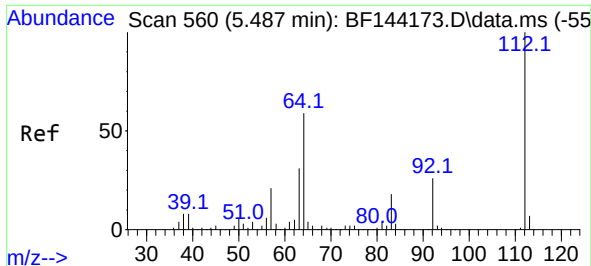


#4
n-Nitrosodimethylamine
Concen: 49.645 ng
RT: 3.428 min Scan# 210
Delta R.T. 0.082 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



Tgt Ion: 42 Resp: 99465
Ion Ratio Lower Upper
42 100
74 122.8 88.2 132.4
44 7.5 5.7 8.5





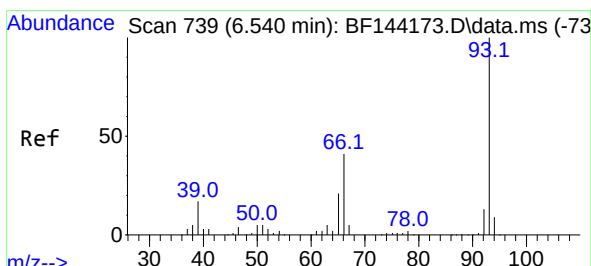
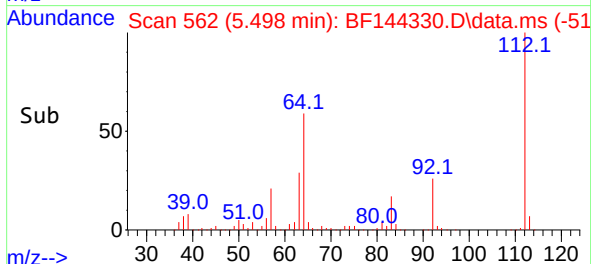
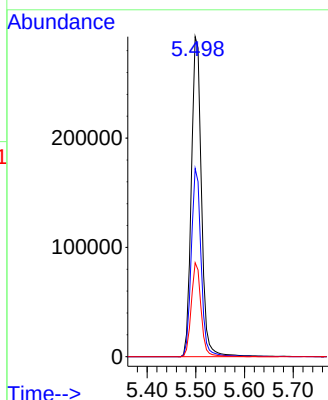
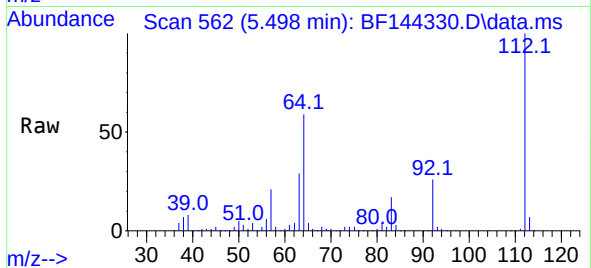
#5
2-Fluorophenol
Concen: 127.914 ng
RT: 5.498 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Instrument :
BNA_F
ClientSampleId :
V933MSD

Tgt Ion:112 Resp: 42537
Ion Ratio Lower Upper
112 100
64 58.8 47.2 70.8
63 29.3 24.4 36.6

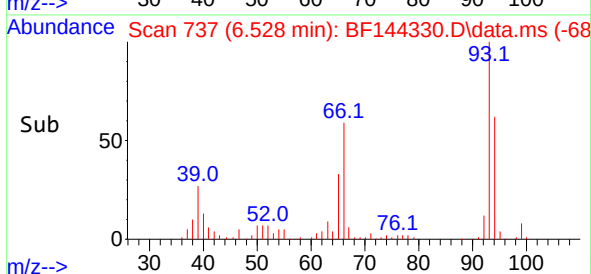
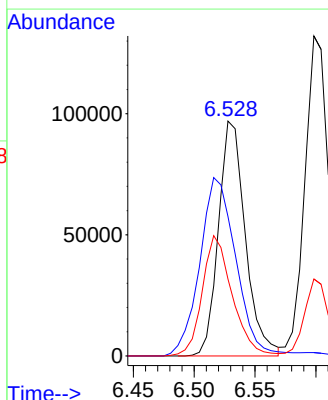
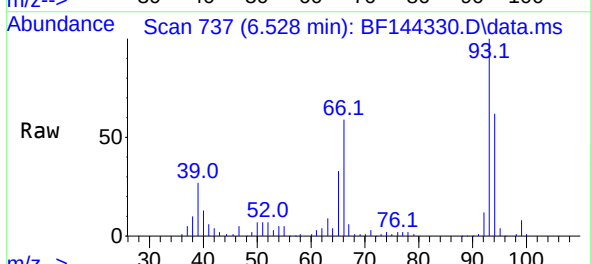
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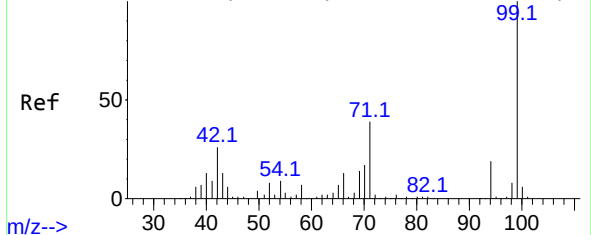


#6
Aniline
Concen: 27.744 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Tgt Ion: 93 Resp: 148943
Ion Ratio Lower Upper
93 100
66 59.4 34.3 51.5#
65 32.8 16.9 25.3#



Abundance Scan 733 (6.504 min): BF144173.D\data.ms (-72



#7

Phenol-d6

Concen: 120.433 ng

RT: 6.504 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF144330.D

Acq: 24 Nov 2025 18:18

Instrument :

BNA_F

ClientSampleId :

V933MSD

Tgt Ion: 99 Resp: 453790

Ion Ratio Lower Upper

99 100

42 24.9 20.9 31.3

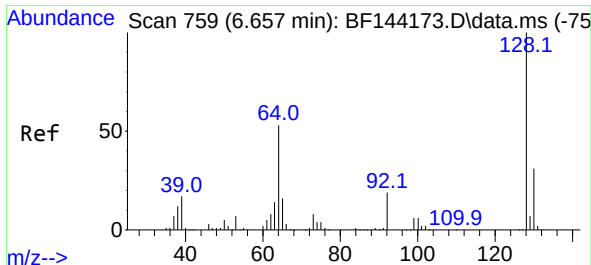
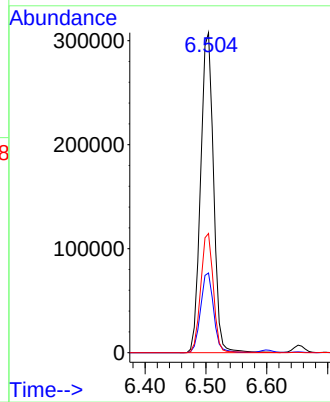
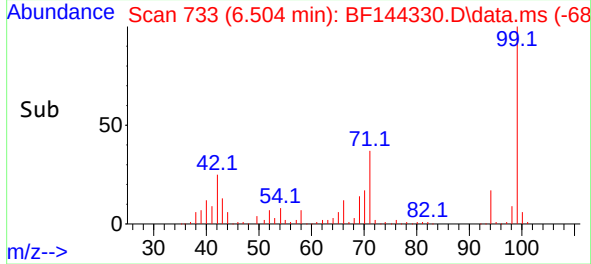
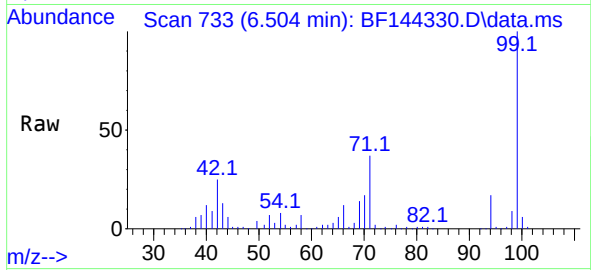
71 37.2 31.4 47.2

Manual Integrations

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#8

2-Chlorophenol

Concen: 49.884 ng

RT: 6.651 min Scan# 758

Delta R.T. -0.006 min

Lab File: BF144330.D

Acq: 24 Nov 2025 18:18

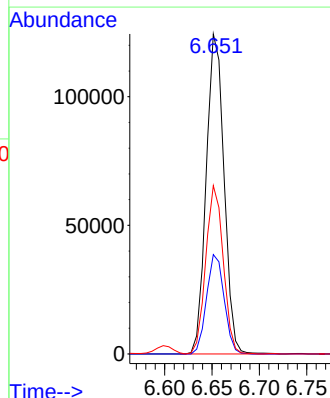
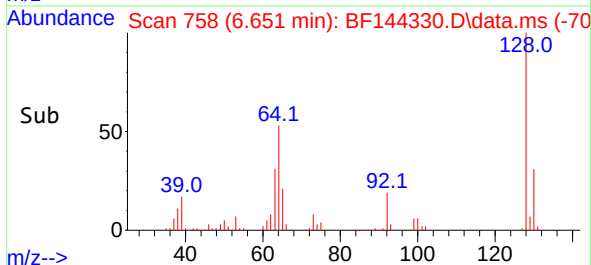
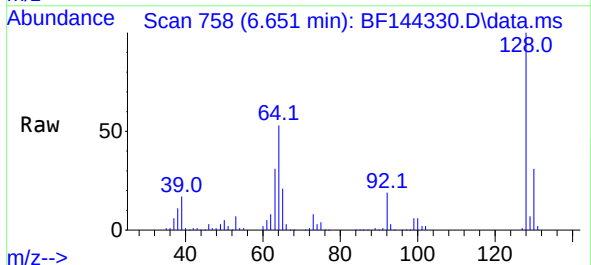
Tgt Ion:128 Resp: 162684

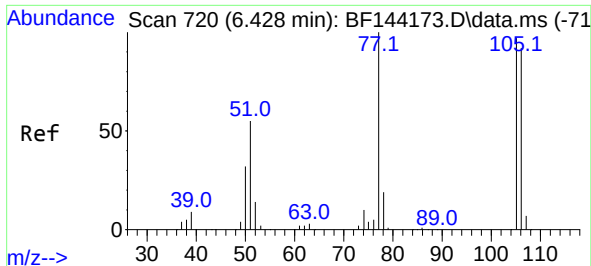
Ion Ratio Lower Upper

128 100

130 31.0 10.5 50.5

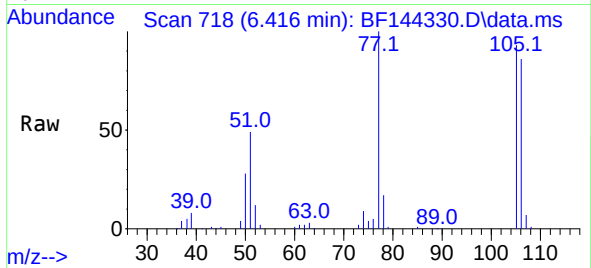
64 52.6 33.2 73.2





#9
Benzaldehyde
Concen: 26.118 ng
RT: 6.416 min Scan# 718
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

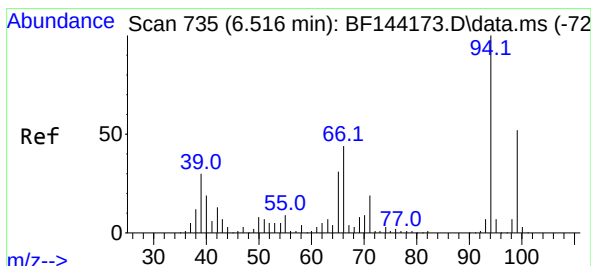
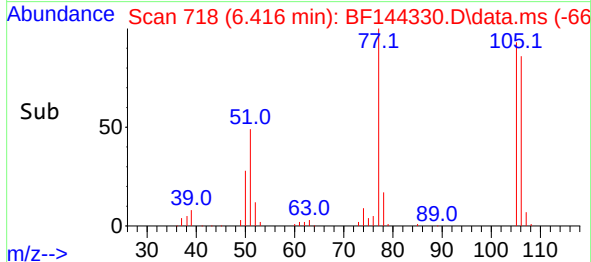
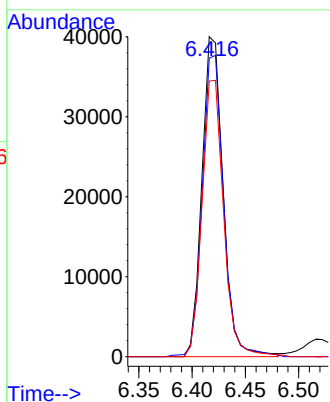
Instrument :
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ClientSampleId :
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Tgt Ion: 77 Resp: 55572
Ion Ratio Lower Upper
77 100
105 93.3 77.2 117.2
106 86.2 72.2 112.2

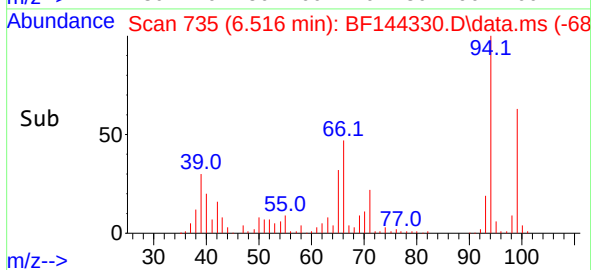
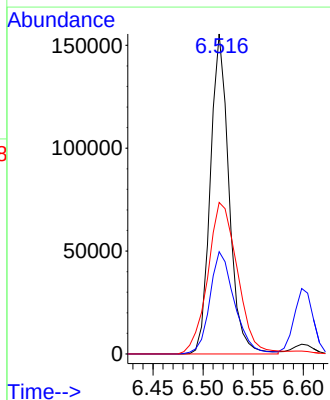
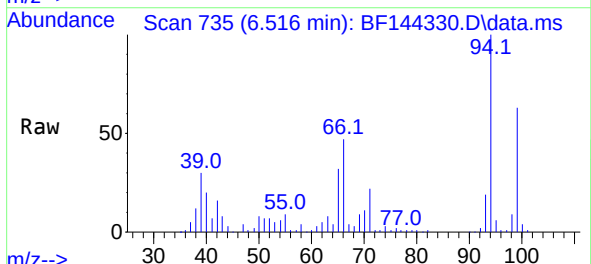
Manual Integrations
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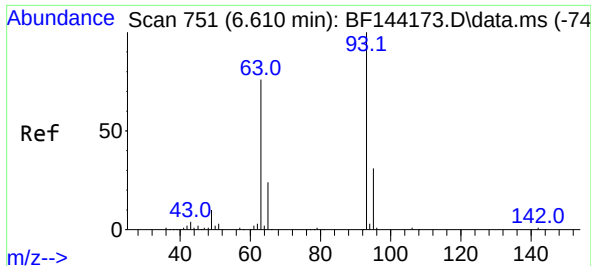
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#10
Phenol
Concen: 43.761 ng
RT: 6.516 min Scan# 735
Delta R.T. 0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

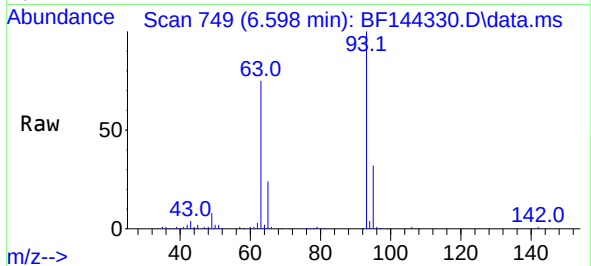
Tgt Ion: 94 Resp: 201463
Ion Ratio Lower Upper
94 100
65 31.9 10.8 50.8
66 47.4 24.3 64.3





#11
bis(2-Chloroethyl)ether
Concen: 52.561 ng
RT: 6.598 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

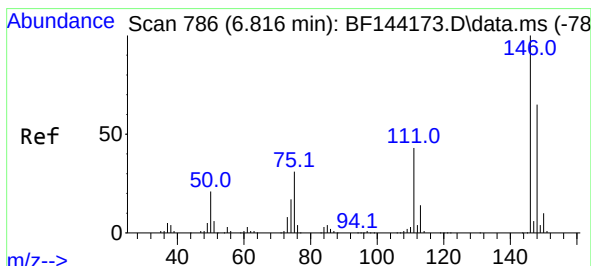
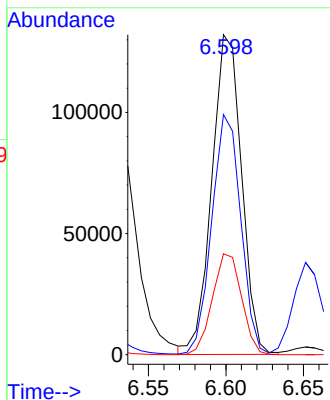
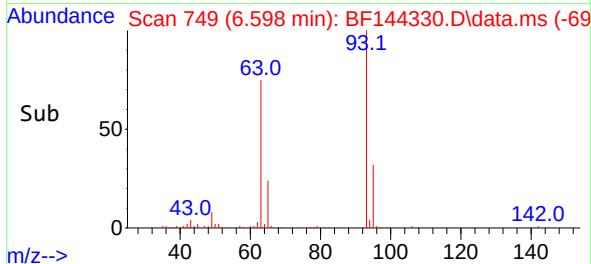
Instrument :
BNA_F
ClientSampleId :
V933MSD



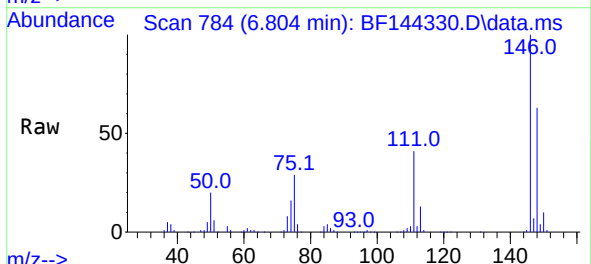
Tgt Ion: 93 Resp: 176319
Ion Ratio Lower Upper
93 100
63 75.1 55.2 95.2
95 31.6 11.2 51.2

Manual Integrations
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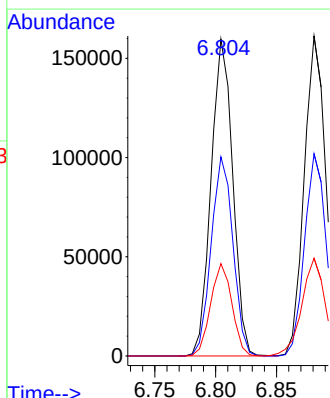
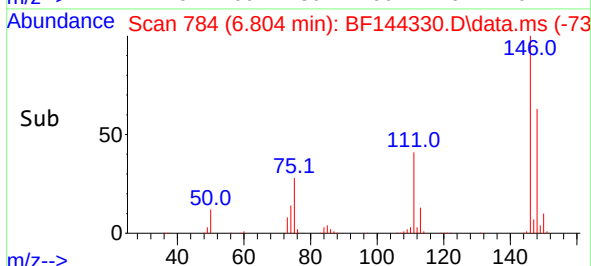
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

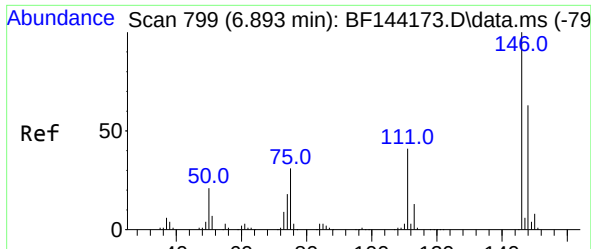


#12
1,3-Dichlorobenzene
Concen: 49.282 ng
RT: 6.804 min Scan# 784
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



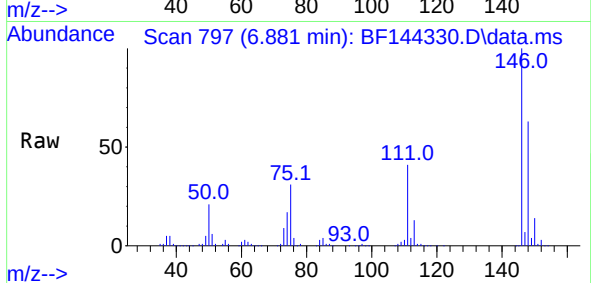
Tgt Ion:146 Resp: 198322
Ion Ratio Lower Upper
146 100
148 62.8 51.8 77.8
75 29.1 25.0 37.4





#13
1,4-Dichlorobenzene
Concen: 49.223 ng
RT: 6.881 min Scan# 799
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

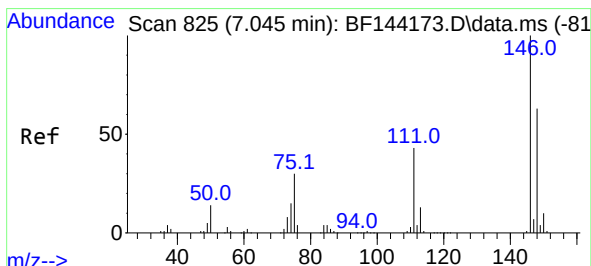
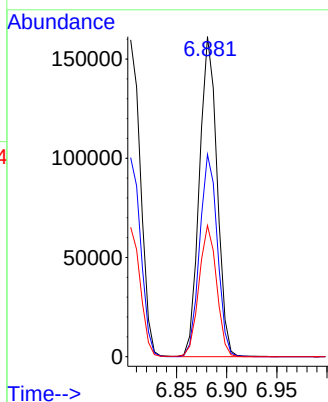
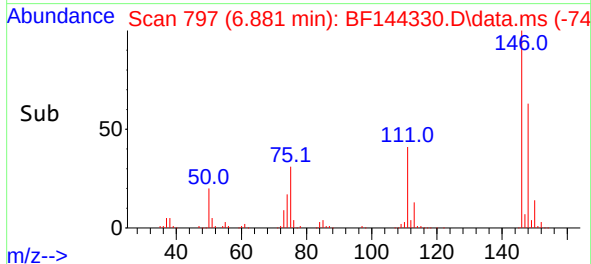
Instrument :
BNA_F
ClientSampleId :
V933MSD



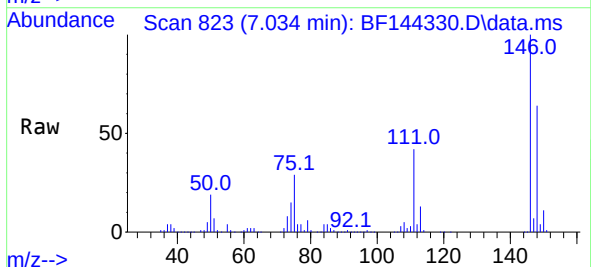
Tgt Ion:146 Resp: 198450
Ion Ratio Lower Upper
146 100
148 63.2 50.2 75.2
111 41.0 32.6 48.8

Manual Integrations
APPROVED

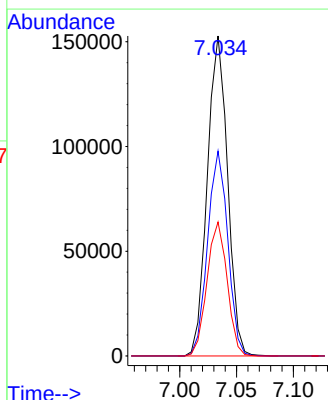
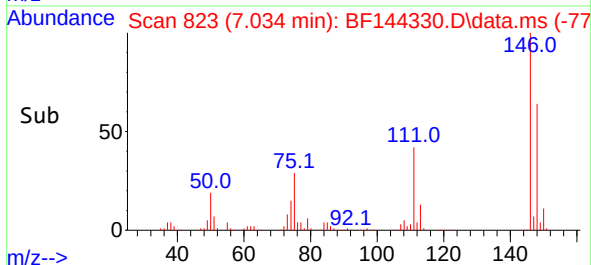
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

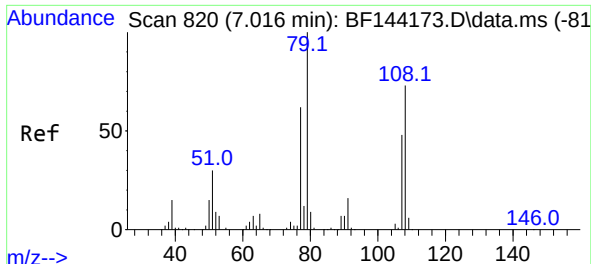


#14
1,2-Dichlorobenzene
Concen: 49.030 ng
RT: 7.034 min Scan# 823
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



Tgt Ion:146 Resp: 189467
Ion Ratio Lower Upper
146 100
148 64.0 50.7 76.1
111 41.9 34.2 51.4





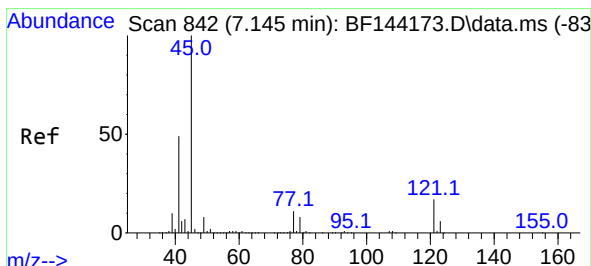
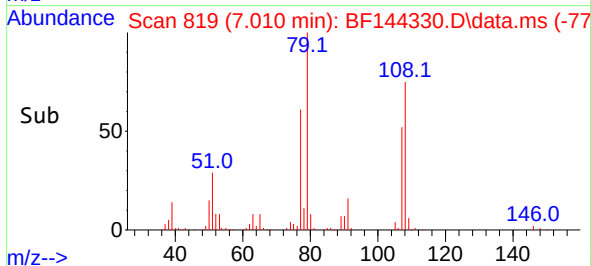
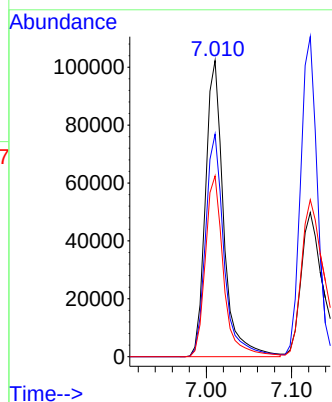
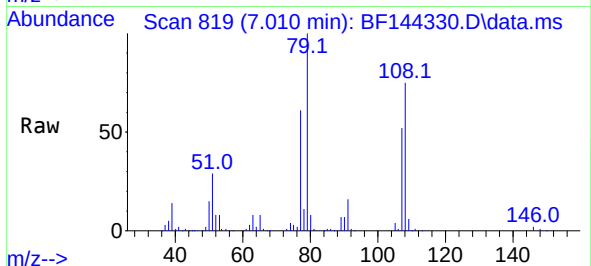
#15
Benzyl Alcohol
Concen: 50.669 ng
RT: 7.010 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Instrument :
BNA_F
ClientSampleId :
V933MSD

Tgt Ion: 79 Resp: 151170
Ion Ratio Lower Upper
79 100
108 75.2 58.2 87.4
77 61.1 49.9 74.9

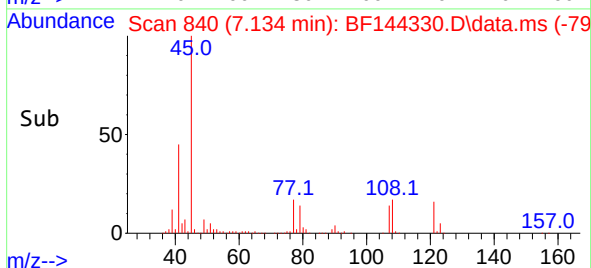
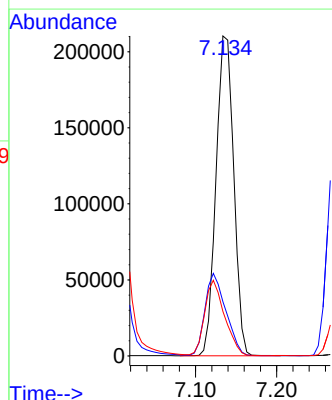
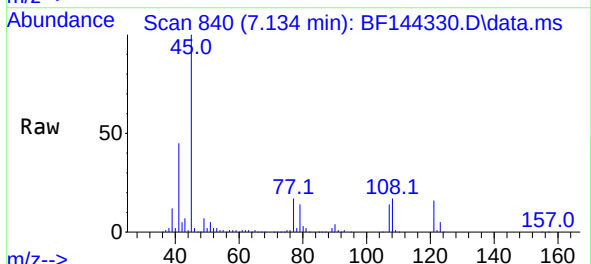
Manual Integrations
APPROVED

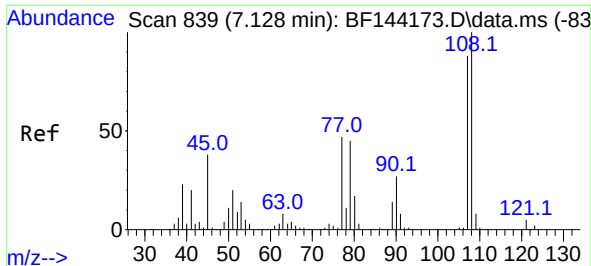
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.716 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Tgt Ion: 45 Resp: 319472
Ion Ratio Lower Upper
45 100
77 17.0 0.0 31.8
79 13.9 0.0 29.1





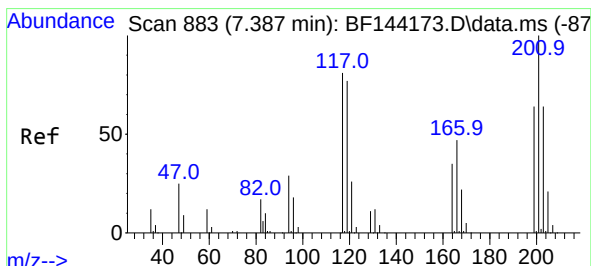
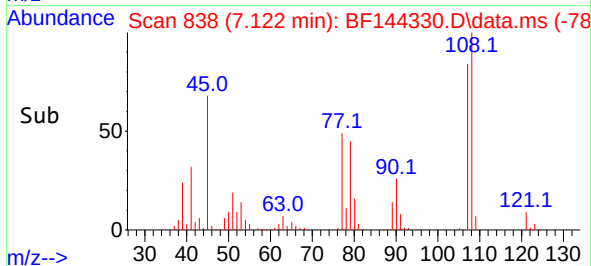
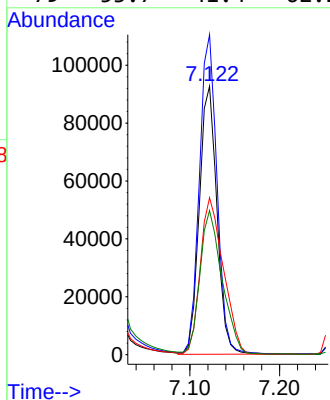
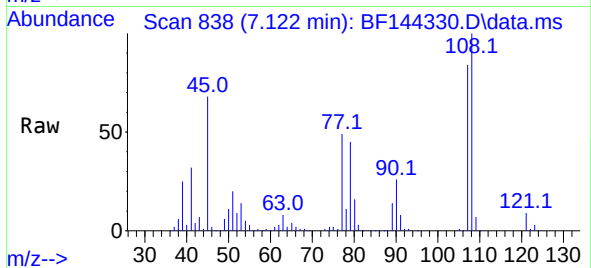
#17
2-Methylphenol
Concen: 48.634 ng
RT: 7.122 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Instrument :
BNA_F
ClientSampleId :
V933MSD

Tgt Ion:107 Resp: 126178
Ion Ratio Lower Upper
107 100
108 119.2 91.0 136.4
77 58.5 42.7 64.1
79 53.7 41.4 62.2

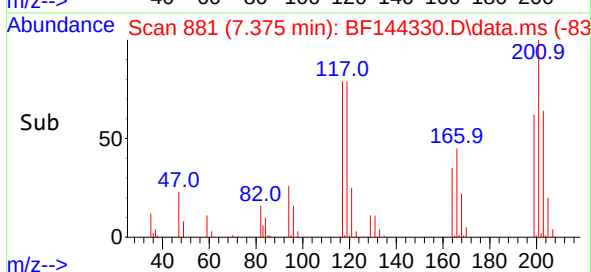
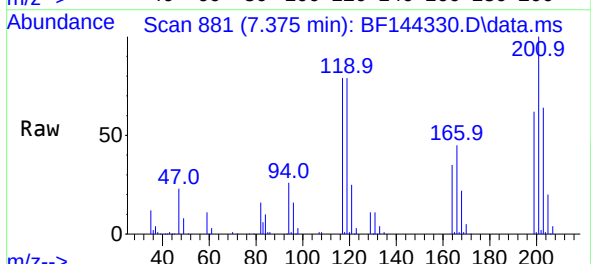
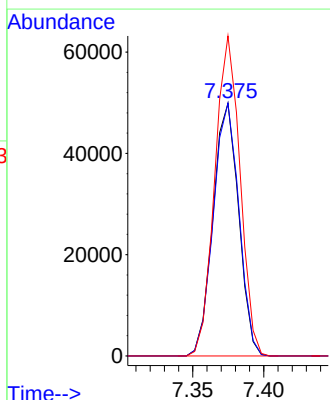
Manual Integrations
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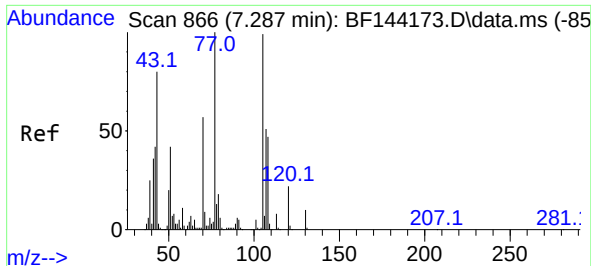
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#18
Hexachloroethane
Concen: 46.625 ng
RT: 7.375 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

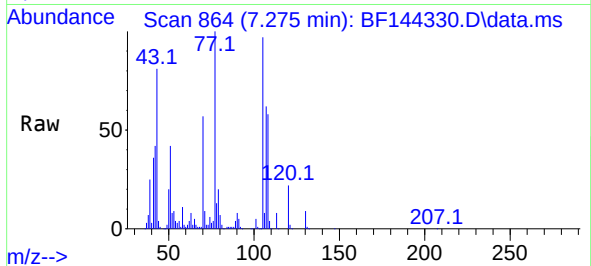
Tgt Ion:117 Resp: 62452
Ion Ratio Lower Upper
117 100
119 100.0 75.8 113.8
201 126.6 98.9 148.3





#19
n-Nitroso-di-n-propylamine
Concen: 49.097 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.000 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

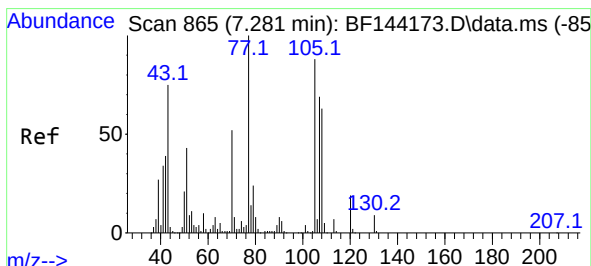
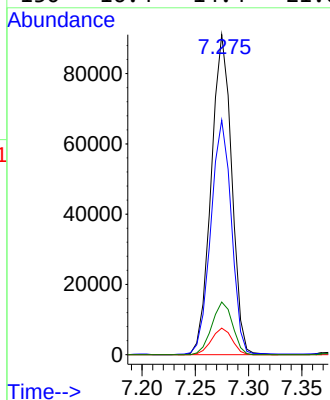
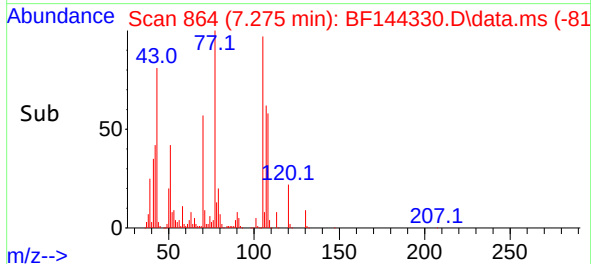
Instrument :
BNA_F
ClientSampleId :
V933MSD



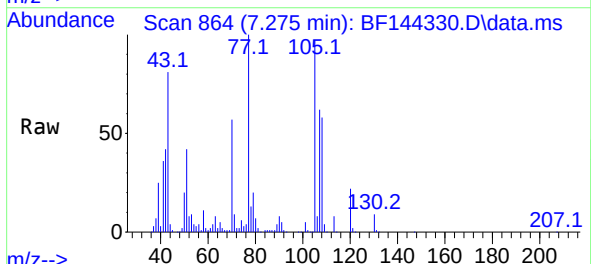
Tgt Ion: 70 Resp: 121785
Ion Ratio Lower Upper
70 100
42 73.3 58.3 87.5
101 8.3 7.0 10.6
130 16.4 14.4 21.6

Manual Integrations
APPROVED

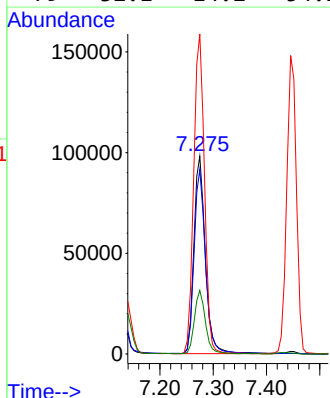
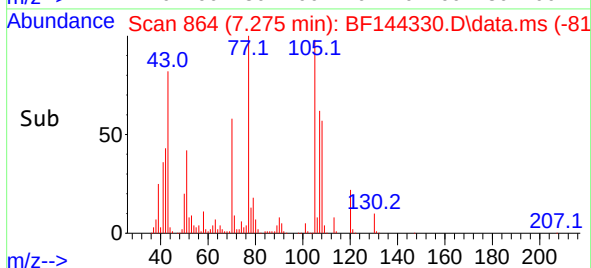
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

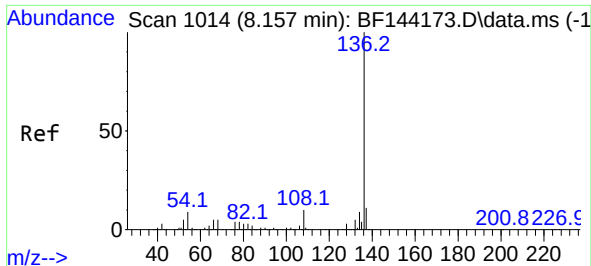


#20
3+4-Methylphenols
Concen: 47.655 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



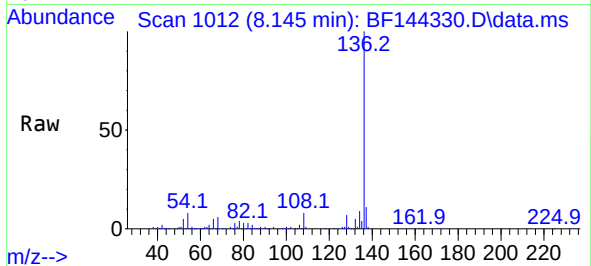
Tgt Ion:107 Resp: 145747
Ion Ratio Lower Upper
107 100
108 93.2 70.2 110.2
77 161.8 123.9 163.9
79 32.1 14.2 54.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Instrument :
BNA_F
ClientSampleId :
V933MSD

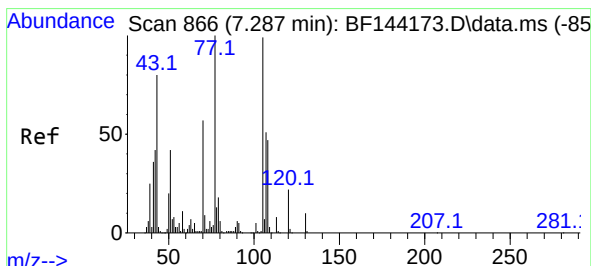
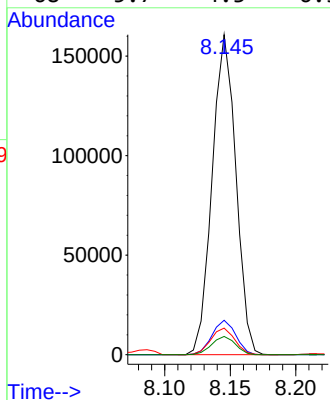
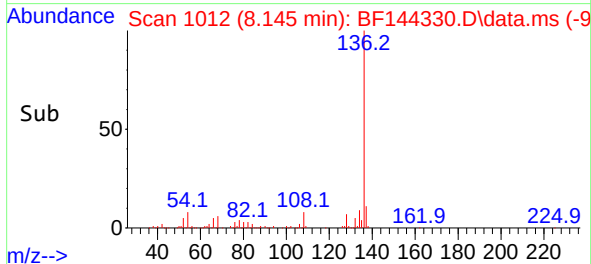


Tgt Ion:136 Resp: 202390

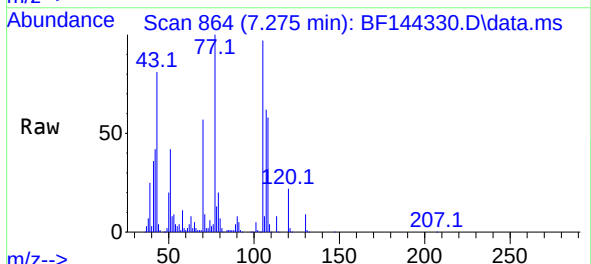
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.3	7.0	10.6
68	5.7	4.3	6.5

Manual Integrations
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Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

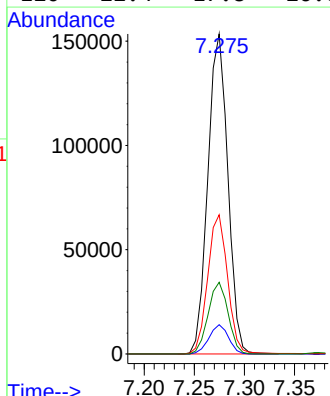
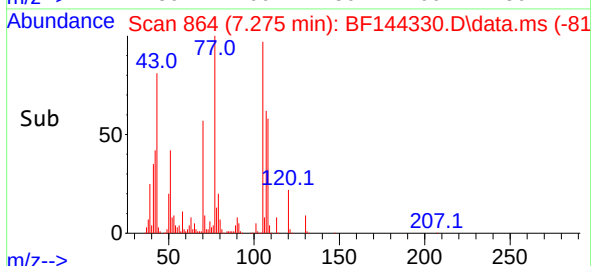


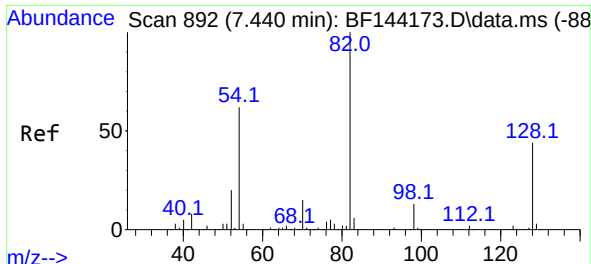
#22
Acetophenone
Concen: 49.076 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



Tgt Ion:105 Resp: 213073

Ion	Ratio	Lower	Upper
105	100		
71	9.1	7.2	10.8
51	43.5	34.0	51.0
120	22.4	17.8	26.6





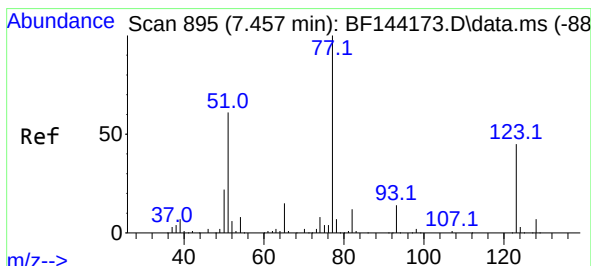
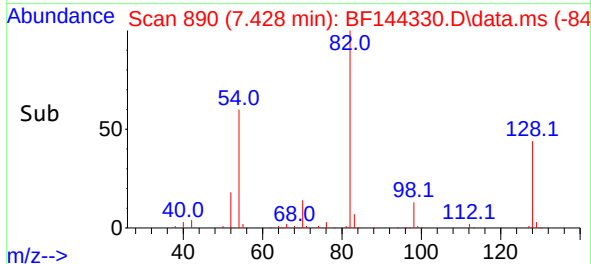
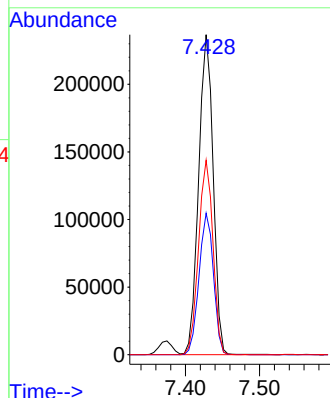
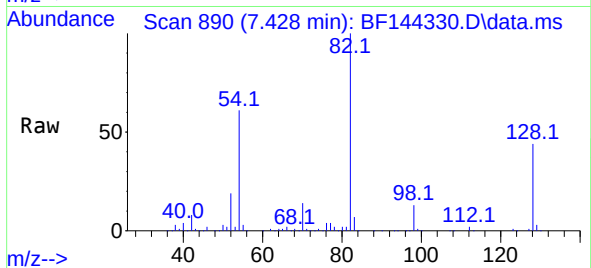
#23
Nitrobenzene-d5
Concen: 91.893 ng
RT: 7.428 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Instrument :
BNA_F
ClientSampleId :
V933MSD

Tgt Ion: 82 Resp: 32202
Ion Ratio Lower Upper
82 100
128 44.2 34.7 52.1
54 60.8 49.5 74.3

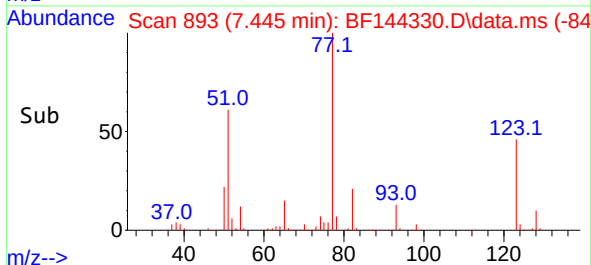
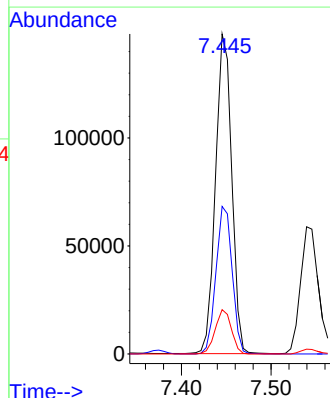
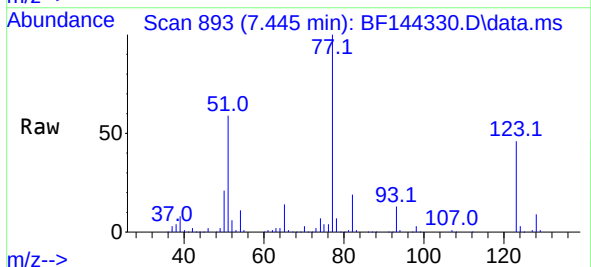
Manual Integrations
APPROVED

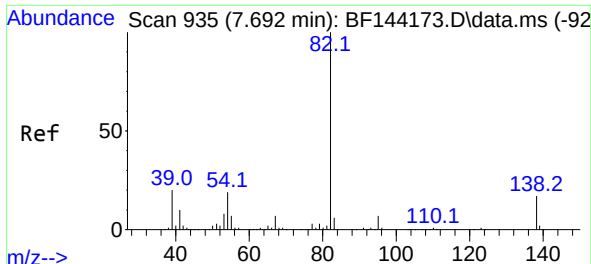
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#24
Nitrobenzene
Concen: 48.745 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Tgt Ion: 77 Resp: 185466
Ion Ratio Lower Upper
77 100
123 46.1 35.8 53.8
65 13.9 12.2 18.2





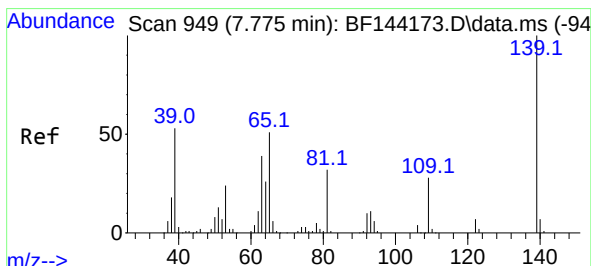
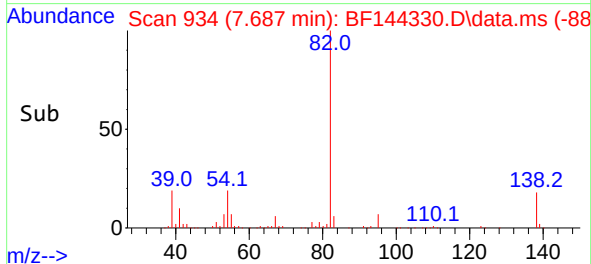
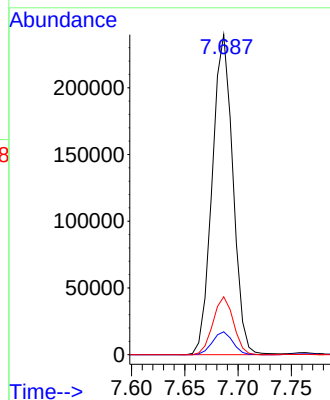
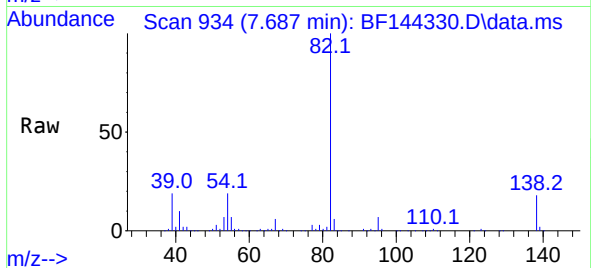
#25
Isophorone
Concen: 48.766 ng
RT: 7.687 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Instrument :
BNA_F
ClientSampleId :
V933MSD

Tgt Ion: 82 Resp: 32324
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 18.1 13.7 20.5

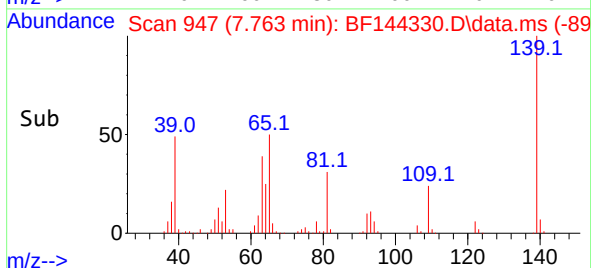
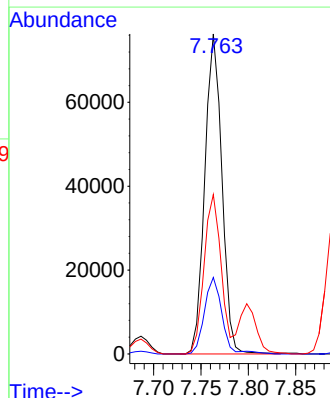
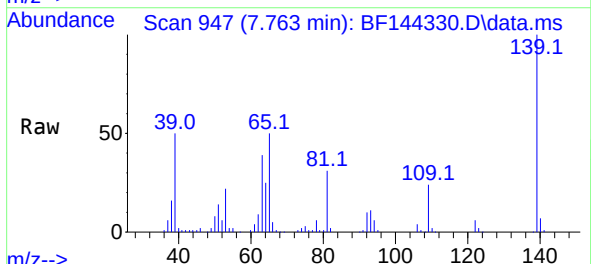
Manual Integrations
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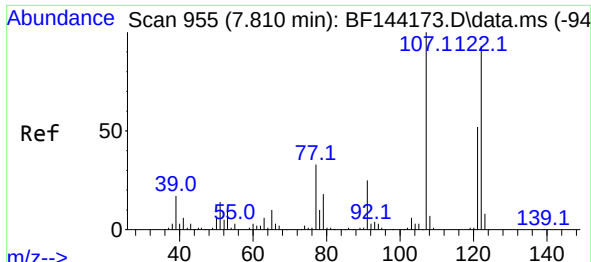
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#26
2-Nitrophenol
Concen: 50.941 ng
RT: 7.763 min Scan# 947
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

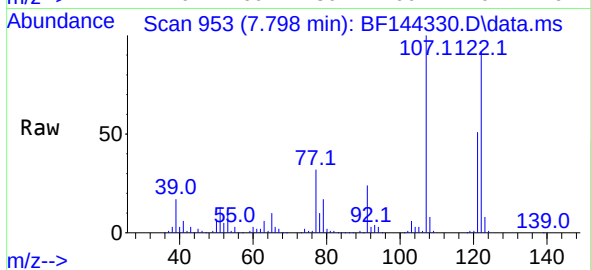
Tgt Ion:139 Resp: 95946
Ion Ratio Lower Upper
139 100
109 23.9 22.2 33.2
65 49.8 40.7 61.1





#27
2,4-Dimethylphenol
Concen: 55.178 ng
RT: 7.798 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

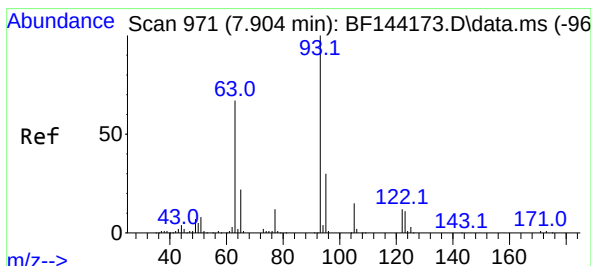
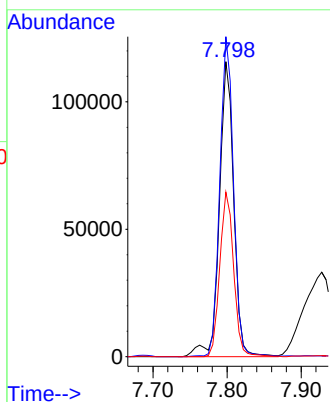
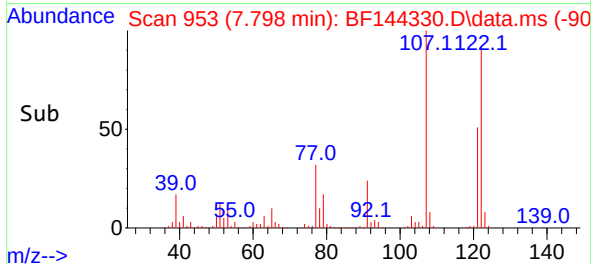
Instrument :
BNA_F
ClientSampleId :
V933MSD



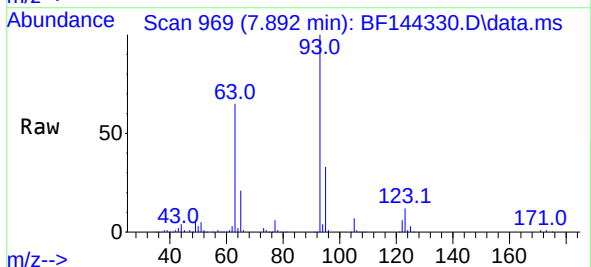
Tgt Ion:122 Resp: 15576
Ion Ratio Lower Upper
122 100
107 108.5 86.2 129.4
121 55.8 44.6 66.8

Manual Integrations
APPROVED

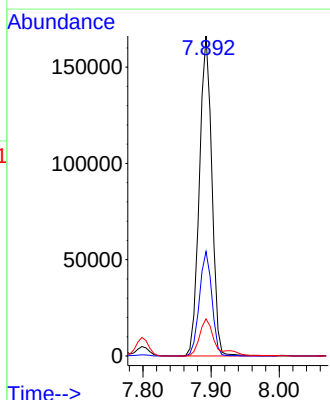
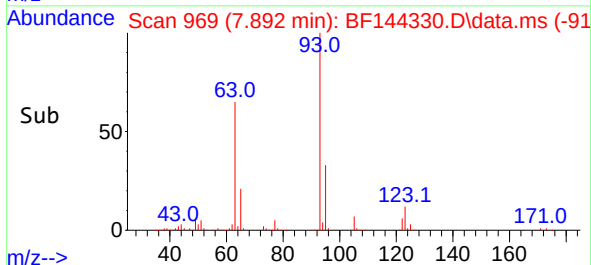
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

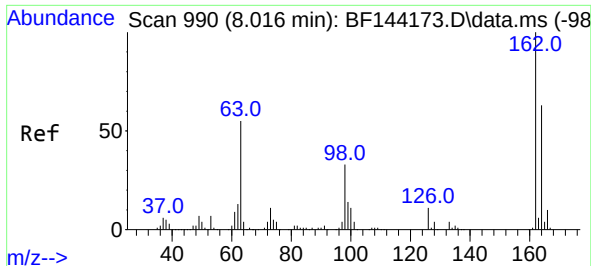


#28
bis(2-Chloroethoxy)methane
Concen: 51.050 ng
RT: 7.892 min Scan# 969
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



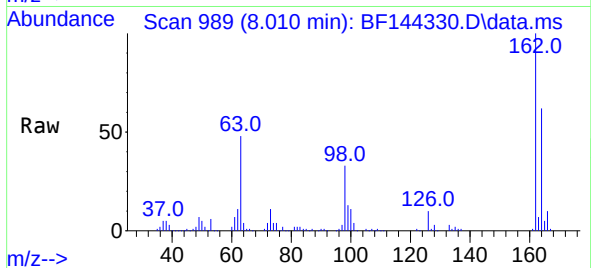
Tgt Ion: 93 Resp: 211304
Ion Ratio Lower Upper
93 100
95 32.7 24.2 36.4
123 11.6 9.0 13.4





#29
2,4-Dichlorophenol
Concen: 48.553 ng
RT: 8.010 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

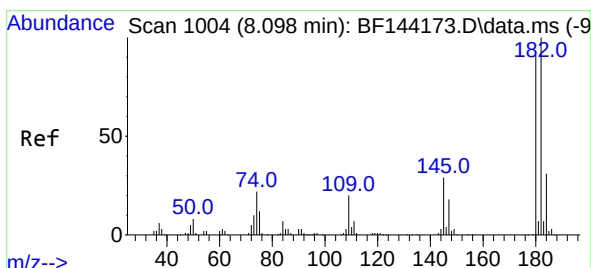
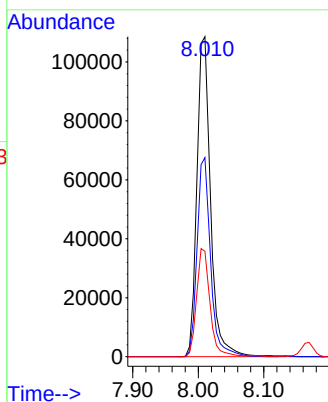
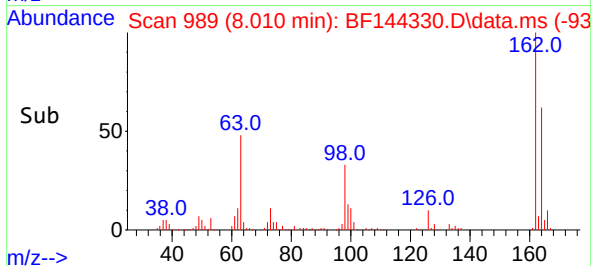
Instrument :
BNA_F
ClientSampleId :
V933MSD



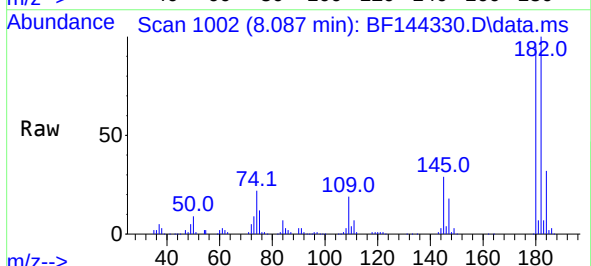
Tgt Ion:162 Resp: 15797
Ion Ratio Lower Upper
162 100
164 62.2 42.9 82.9
98 33.0 13.3 53.3

Manual Integrations
APPROVED

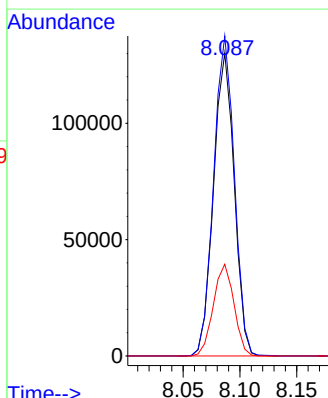
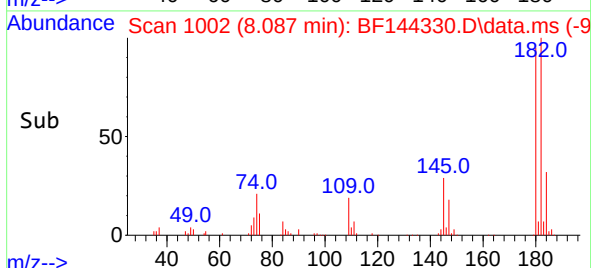
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

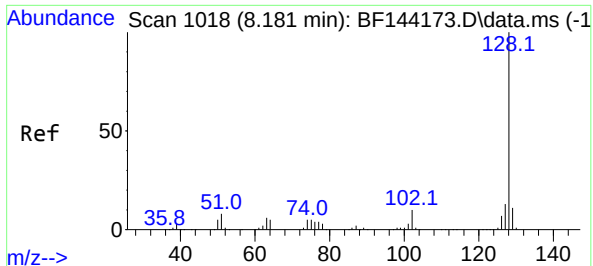


#30
1,2,4-Trichlorobenzene
Concen: 49.434 ng
RT: 8.087 min Scan# 1002
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



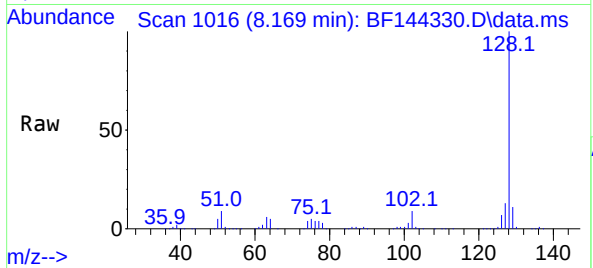
Tgt Ion:180 Resp: 165162
Ion Ratio Lower Upper
180 100
182 105.6 87.7 131.5
145 30.3 25.4 38.0





#31
Naphthalene
Concen: 47.912 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

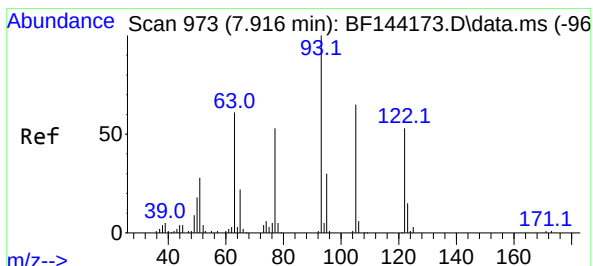
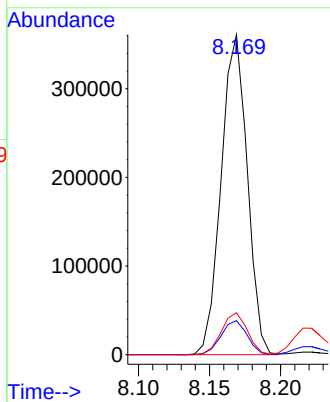
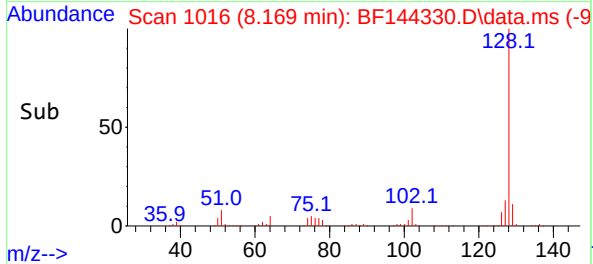
Instrument :
BNA_F
ClientSampleId :
V933MSD



Tgt Ion:128 Resp: 461270
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 13.1 10.3 15.5

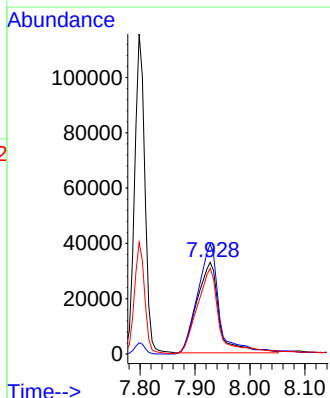
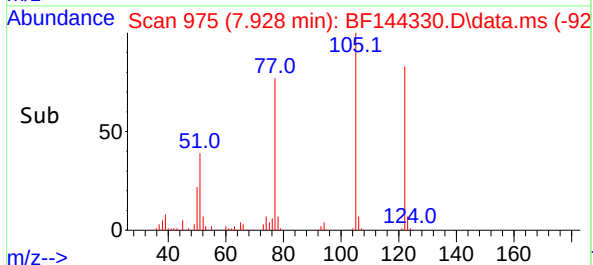
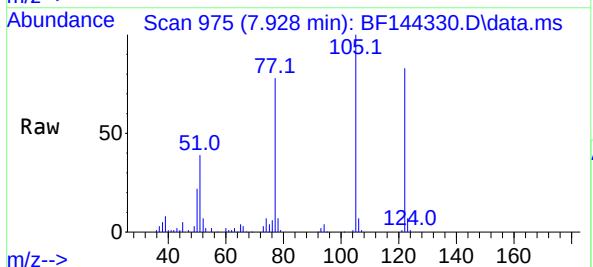
Manual Integrations
APPROVED

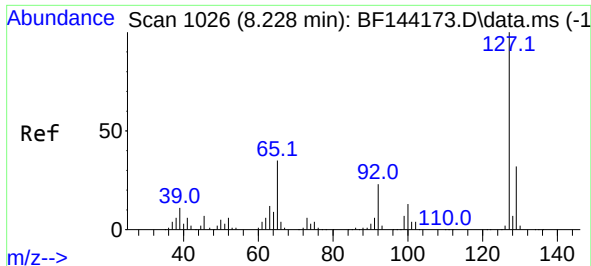
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#32
Benzoic acid
Concen: 44.662 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.023 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Tgt Ion:122 Resp: 92418
Ion Ratio Lower Upper
122 100
105 120.1 99.9 139.9
77 93.3 77.5 117.5





#33

4-Chloroaniline

Concen: 15.933 ng

RT: 8.216 min Scan# 1024

Delta R.T. -0.012 min

Lab File: BF144330.D

Acq: 24 Nov 2025 18:18

Instrument :

BNA_F

ClientSampleId :

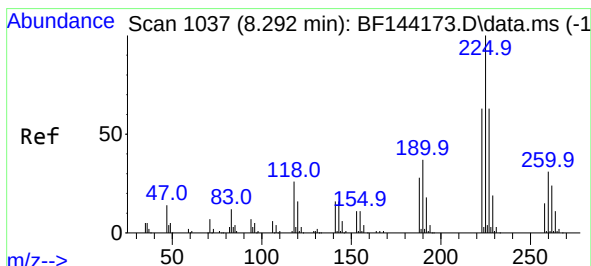
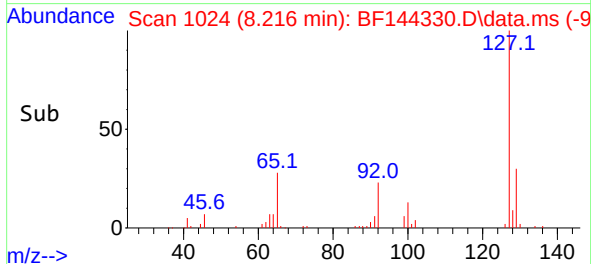
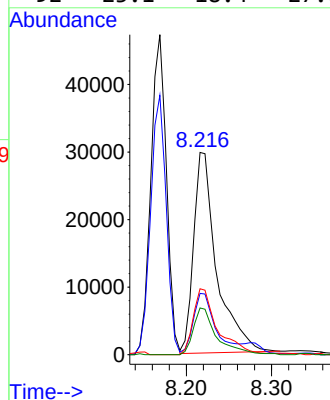
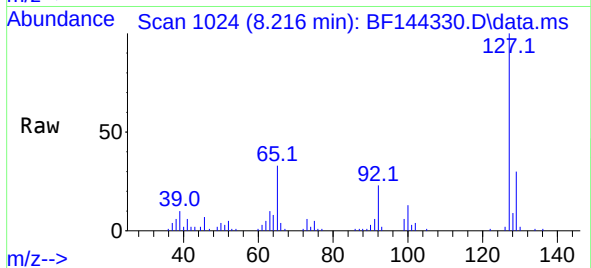
V933MSD

Tgt Ion:	127	Resp:	5594
Ion	Ratio	Lower	Upper
127	100		
129	30.3	25.3	37.9
65	32.6	27.6	41.4
92	23.1	18.4	27.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#34

Hexachlorobutadiene

Concen: 45.343 ng

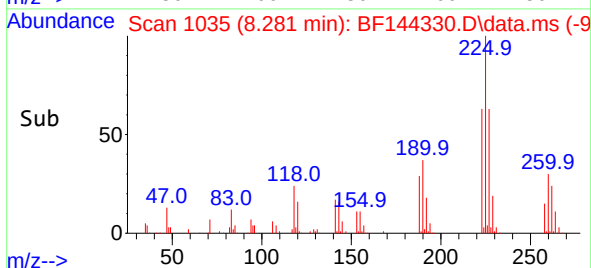
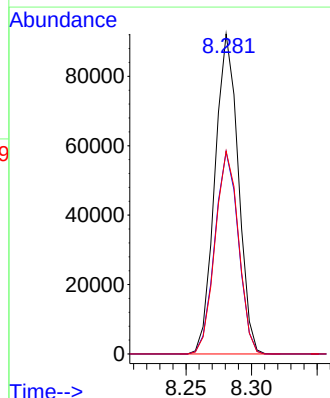
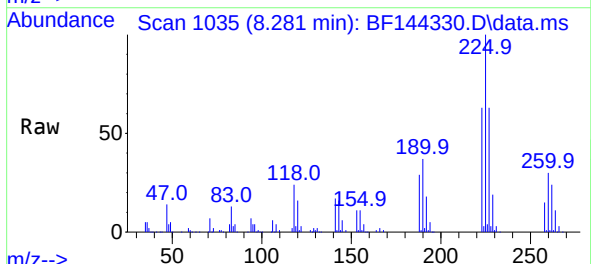
RT: 8.281 min Scan# 1035

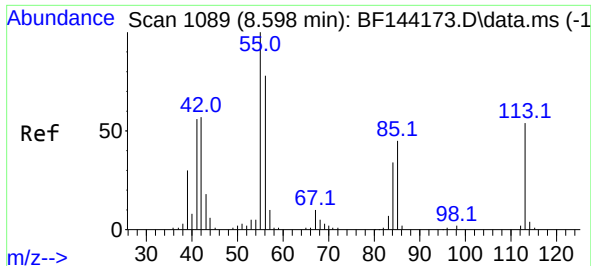
Delta R.T. -0.012 min

Lab File: BF144330.D

Acq: 24 Nov 2025 18:18

Tgt Ion:	225	Resp:	114173
Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.2	75.4
227	63.4	50.1	75.1





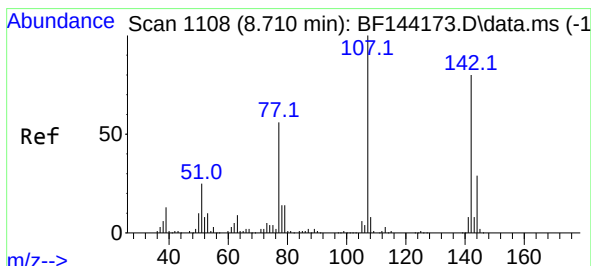
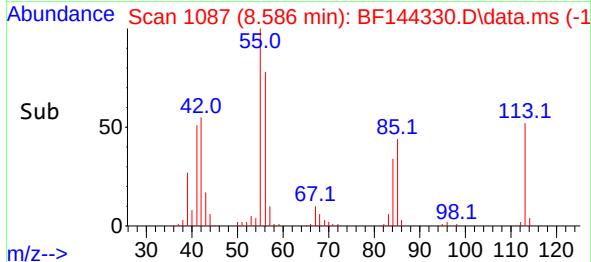
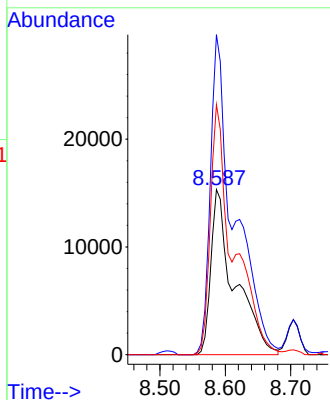
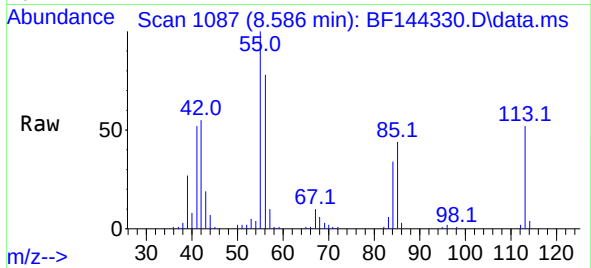
#35
Caprolactam
Concen: 43.264 ng m
RT: 8.586 min Scan# 1107
Delta R.T. -0.035 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Instrument :
BNA_F
ClientSampleId :
V933MSD

Tgt Ion:113 Resp: 3856
Ion Ratio Lower Upper
113 100
55 193.8 166.8 206.8
56 151.5 125.9 165.9

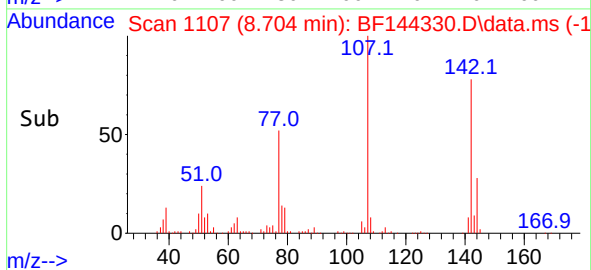
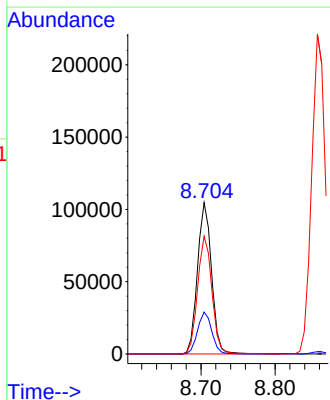
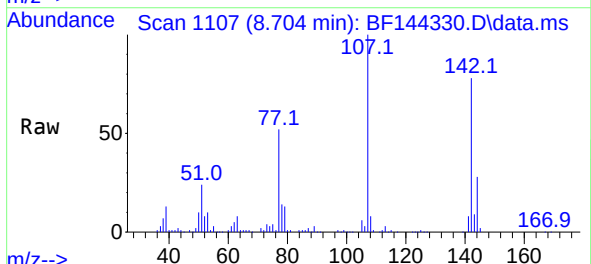
Manual Integrations
APPROVED

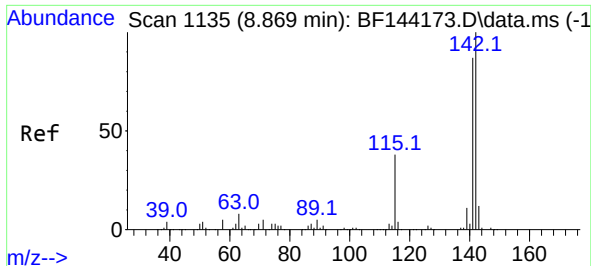
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#36
4-Chloro-3-methylphenol
Concen: 47.544 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.000 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Tgt Ion:107 Resp: 138637
Ion Ratio Lower Upper
107 100
144 27.7 23.3 34.9
142 77.8 63.8 95.6





#37

2-Methylnaphthalene

Concen: 44.147 ng

RT: 8.857 min Scan# 1133

Delta R.T. -0.012 min

Lab File: BF144330.D

Acq: 24 Nov 2025 18:18

Instrument :

BNA_F

ClientSampleId :

V933MSD

Tgt Ion:142 Resp: 284169

Ion Ratio Lower Upper

142 100

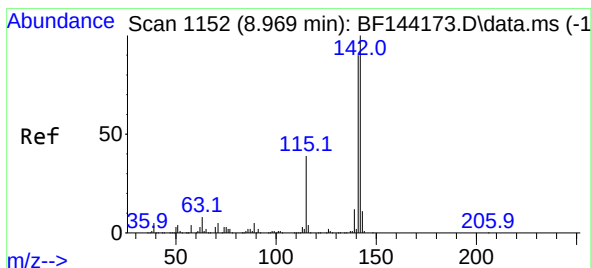
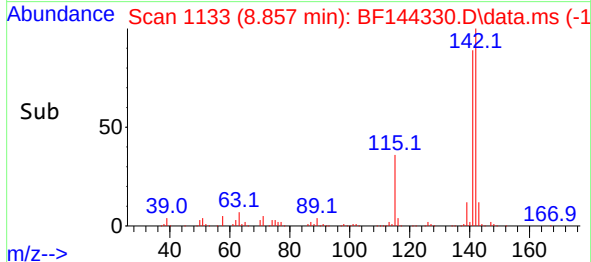
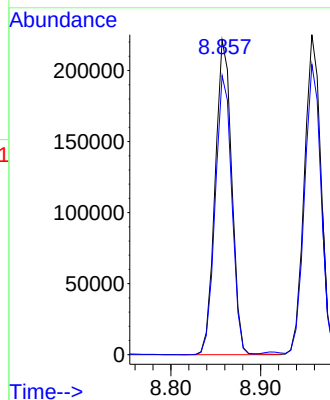
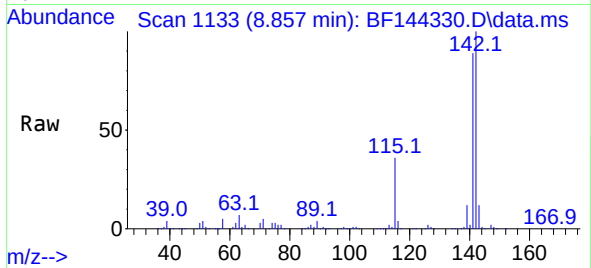
141 88.7 69.9 104.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2025

Supervised By :mohammad ahmed 11/26/2025



#38

1-Methylnaphthalene

Concen: 46.408 ng

RT: 8.957 min Scan# 1150

Delta R.T. -0.012 min

Lab File: BF144330.D

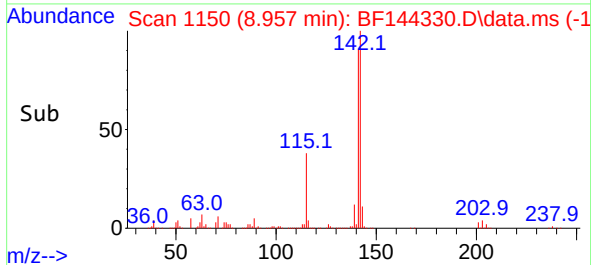
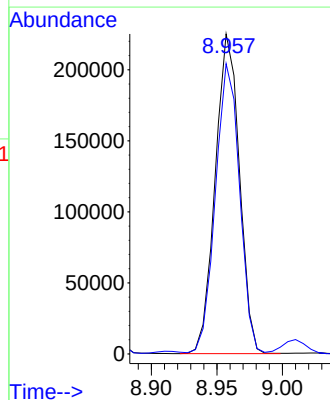
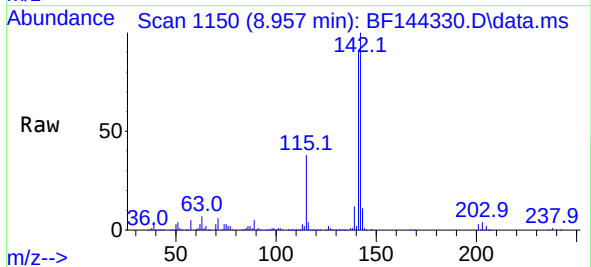
Acq: 24 Nov 2025 18:18

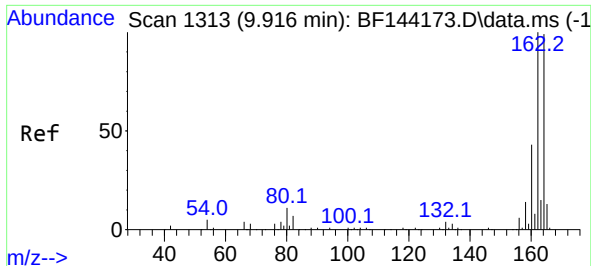
Tgt Ion:142 Resp: 288234

Ion Ratio Lower Upper

142 100

141 90.7 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1162

Delta R.T. -0.012 min

Lab File: BF144330.D

Acq: 24 Nov 2025 18:18

Instrument :

BNA_F

ClientSampleId :

V933MSD

Tgt Ion:164 Resp: 108220

Ion Ratio Lower Upper

164 100

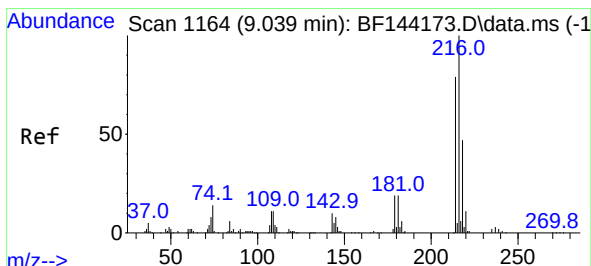
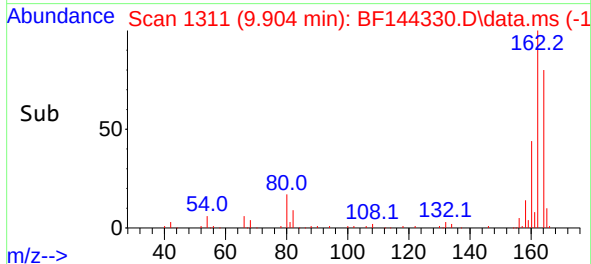
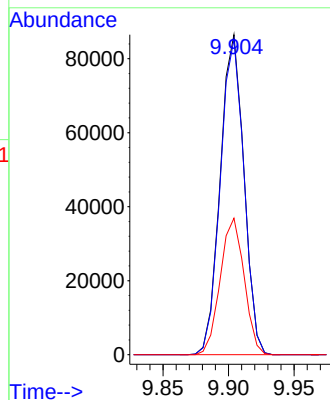
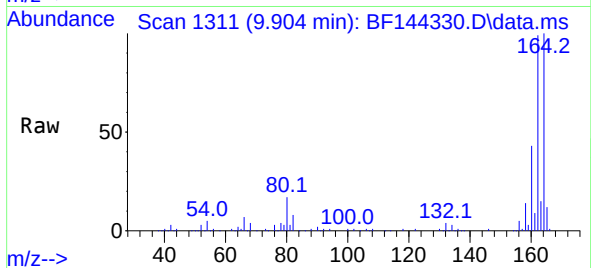
162 98.5 81.1 121.7

160 42.7 34.5 51.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.656 ng

RT: 9.028 min Scan# 1162

Delta R.T. -0.006 min

Lab File: BF144330.D

Acq: 24 Nov 2025 18:18

Tgt Ion:216 Resp: 172580

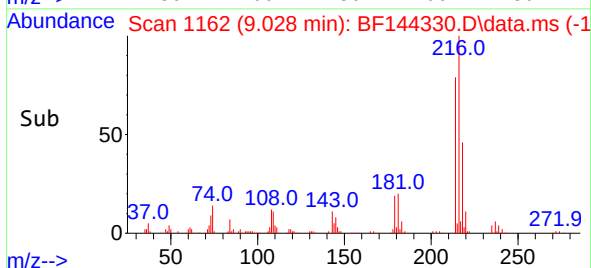
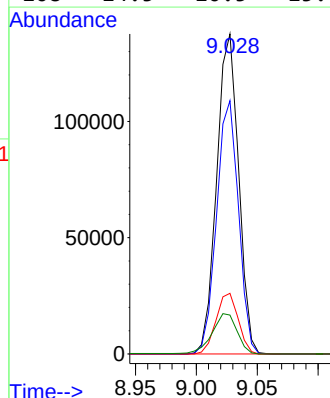
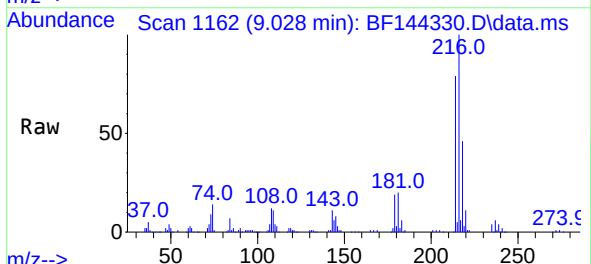
Ion Ratio Lower Upper

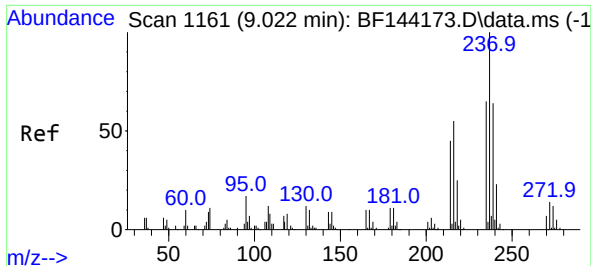
216 100

214 79.0 63.4 95.2

179 19.2 15.0 22.4

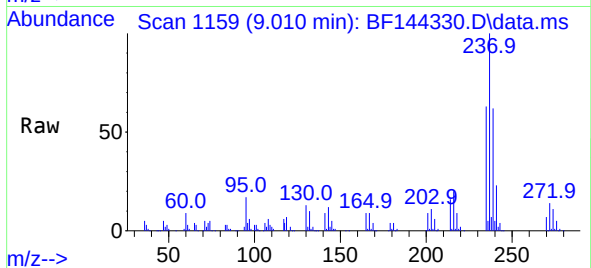
108 14.5 10.5 15.7





#41
Hexachlorocyclopentadiene
Concen: 90.249 ng
RT: 9.010 min Scan# 1159
Delta R.T. -0.018 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

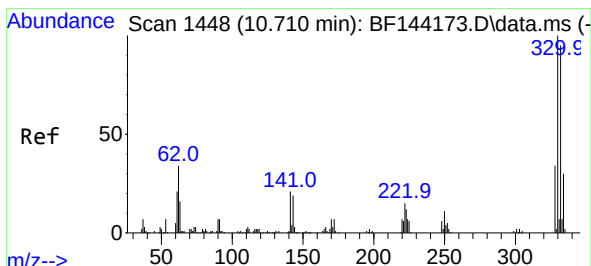
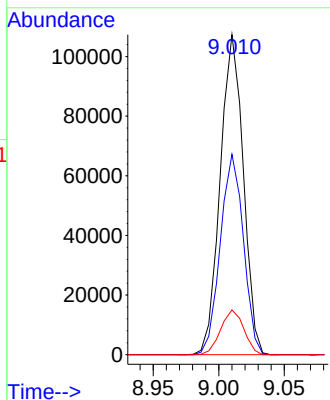
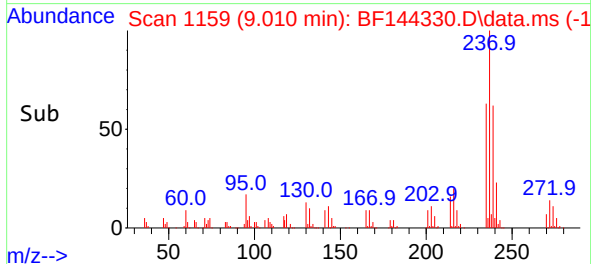
Instrument :
BNA_F
ClientSampleId :
V933MSD



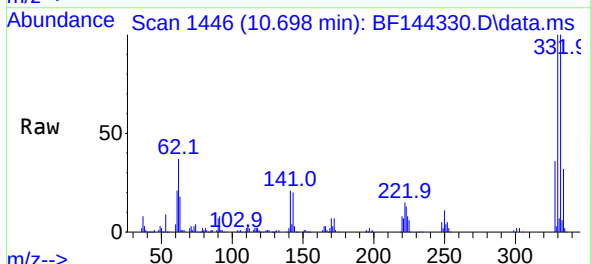
Tgt Ion:237 Resp: 13139
Ion Ratio Lower Upper
237 100
235 62.6 45.5 85.5
272 14.0 0.0 33.5

Manual Integrations
APPROVED

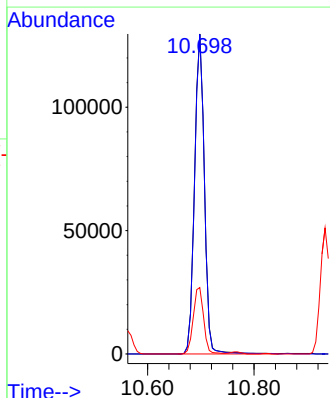
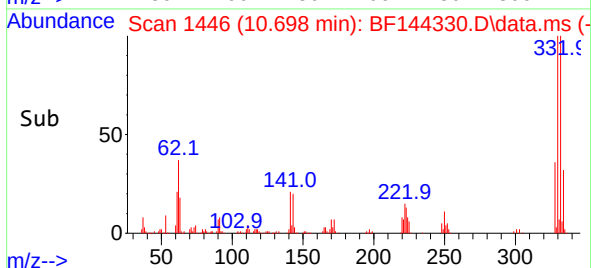
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

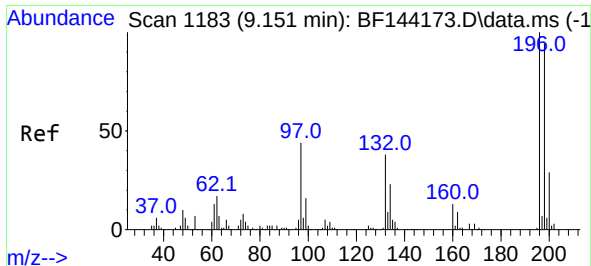


#42
2,4,6-Tribromophenol
Concen: 123.092 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



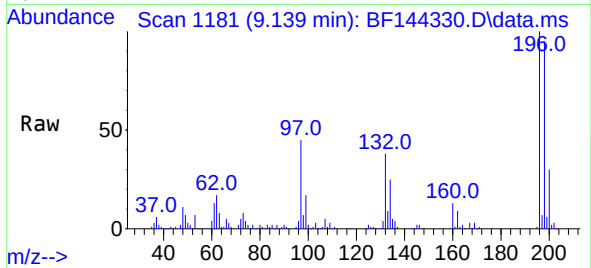
Tgt Ion:330 Resp: 167173
Ion Ratio Lower Upper
330 100
332 99.0 76.7 115.1
141 21.8 17.8 26.8





#43
2,4,6-Trichlorophenol
Concen: 48.302 ng
RT: 9.139 min Scan# 1181
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

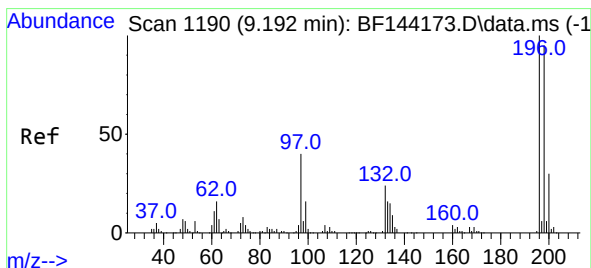
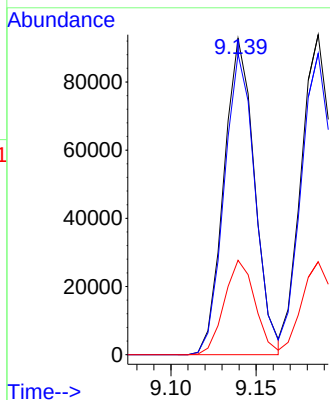
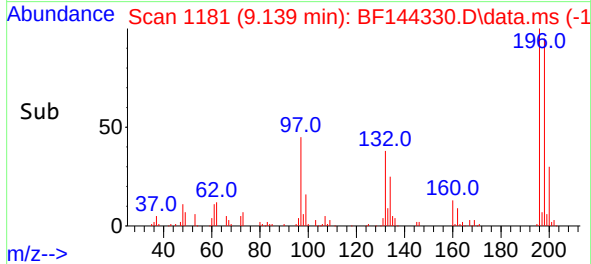
Instrument :
BNA_F
ClientSampleId :
V933MSD



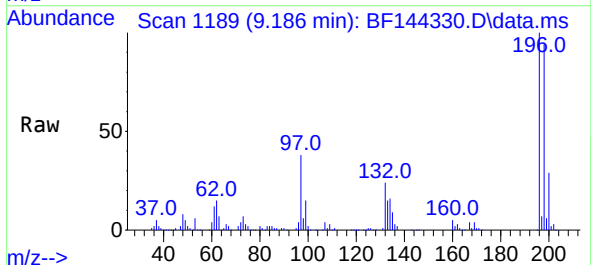
Tgt Ion:196 Resp: 11660
Ion Ratio Lower Upper
196 100
198 95.1 75.3 112.9
200 29.8 23.4 35.2

Manual Integrations
APPROVED

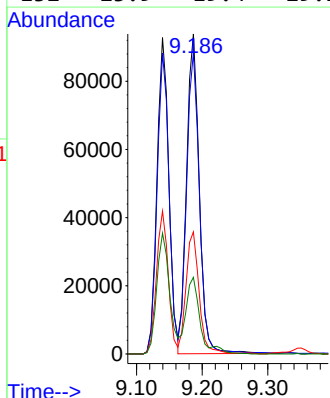
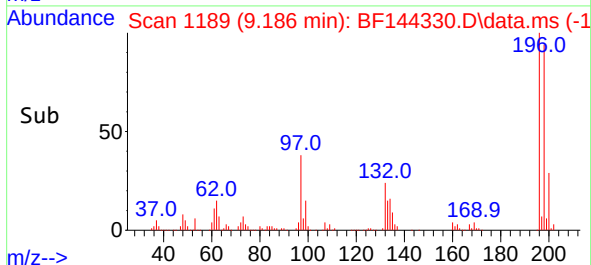
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

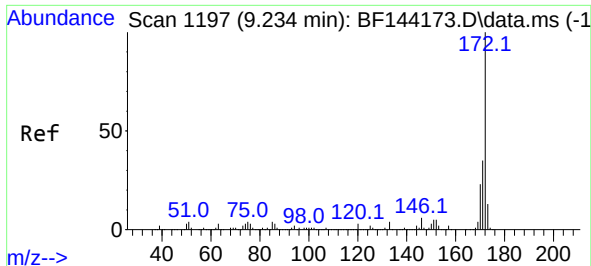


#44
2,4,5-Trichlorophenol
Concen: 48.404 ng
RT: 9.186 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



Tgt Ion:196 Resp: 125939
Ion Ratio Lower Upper
196 100
198 94.2 76.1 114.1
97 38.1 31.9 47.9
132 23.9 19.4 29.2





#45

2-Fluorobiphenyl

Concen: 91.672 ng

RT: 9.222 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF144330.D

Acq: 24 Nov 2025 18:18

Instrument :

BNA_F

ClientSampleId :

V933MSD

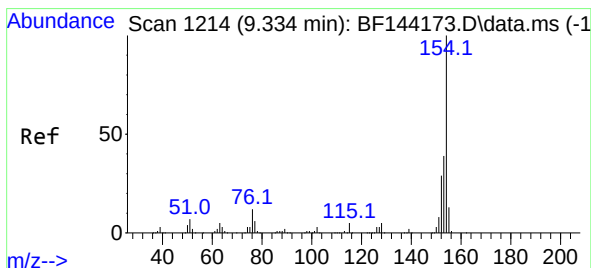
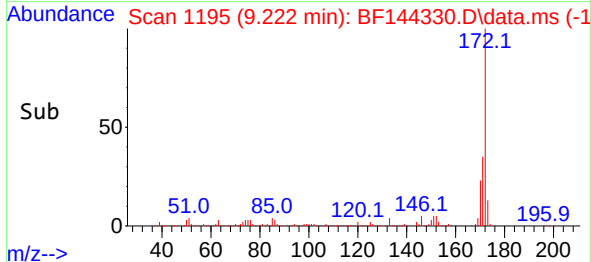
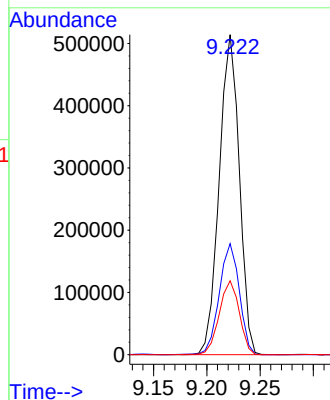
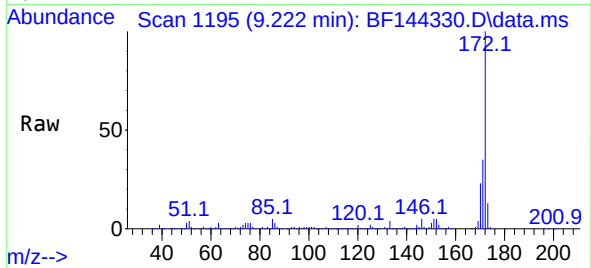
Tgt Ion:172 Resp: 67174

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.1	42.1
170	23.1	18.6	28.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#46

1,1'-Biphenyl

Concen: 50.998 ng

RT: 9.322 min Scan# 1212

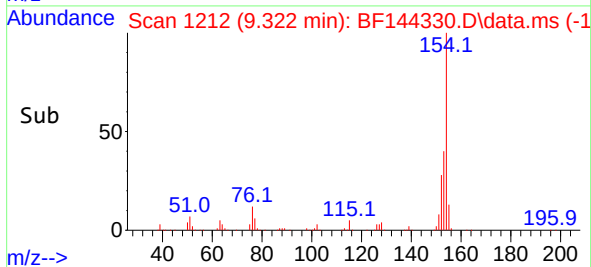
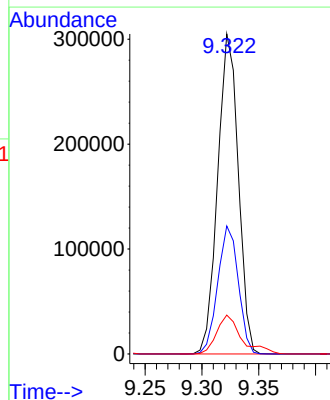
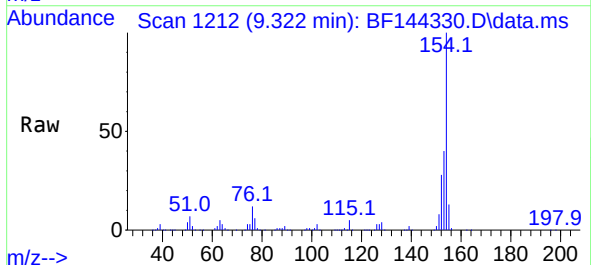
Delta R.T. -0.012 min

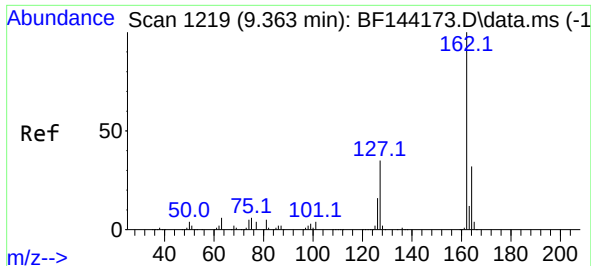
Lab File: BF144330.D

Acq: 24 Nov 2025 18:18

Tgt Ion:154 Resp: 385263

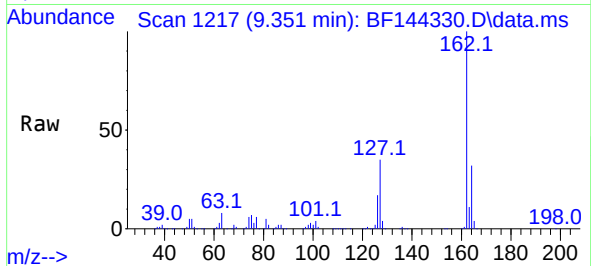
Ion	Ratio	Lower	Upper
154	100		
153	40.0	19.2	59.2
76	12.1	0.0	31.8





#47
2-Chloronaphthalene
Concen: 49.255 ng
RT: 9.351 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

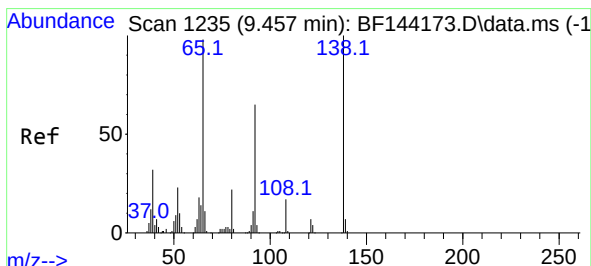
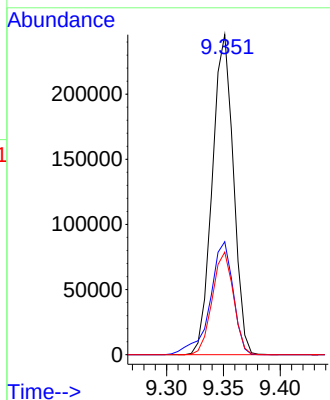
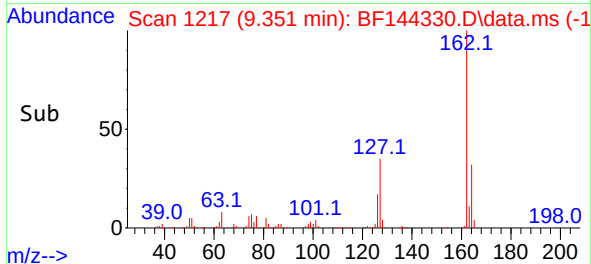
Instrument :
BNA_F
ClientSampleId :
V933MSD



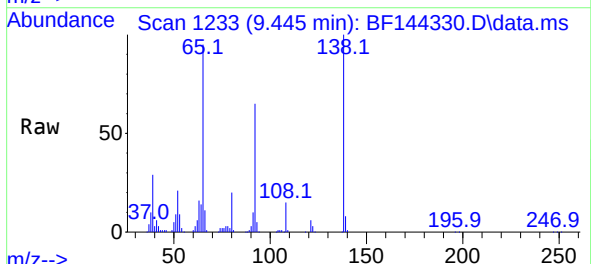
Tgt Ion:162 Resp: 317400
Ion Ratio Lower Upper
162 100
127 35.3 28.8 43.2
164 32.0 25.8 38.8

Manual Integrations
APPROVED

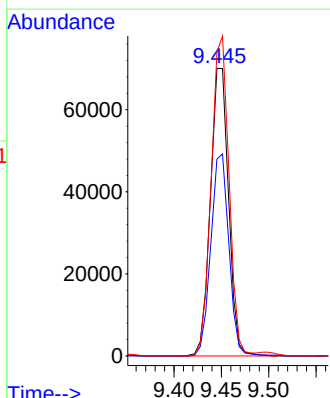
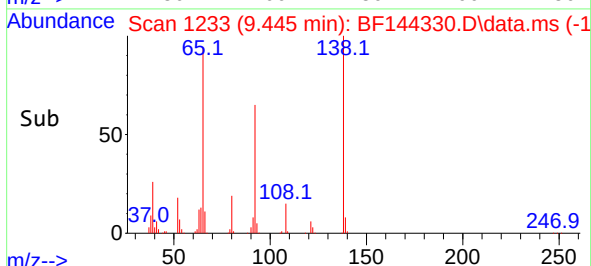
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

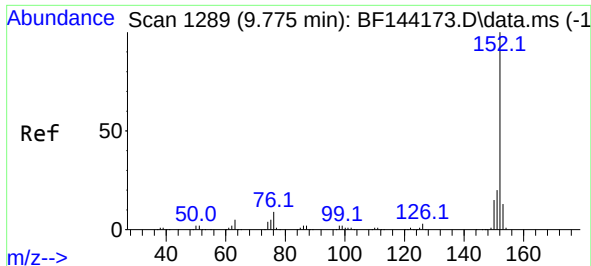


#48
2-Nitroaniline
Concen: 50.350 ng
RT: 9.445 min Scan# 1233
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



Tgt Ion: 65 Resp: 93618
Ion Ratio Lower Upper
65 100
92 68.4 53.0 79.6
138 105.5 81.6 122.4





#49

Acenaphthylene

Concen: 55.528 ng

RT: 9.763 min Scan# 1287

Delta R.T. -0.012 min

Lab File: BF144330.D

Acq: 24 Nov 2025 18:18

Instrument :

BNA_F

ClientSampleId :

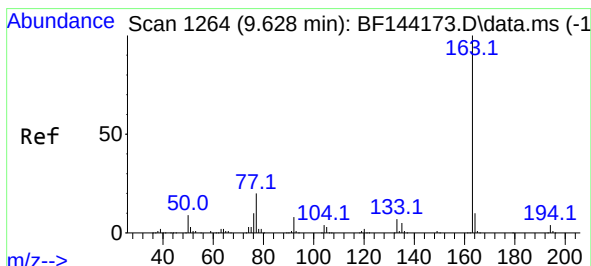
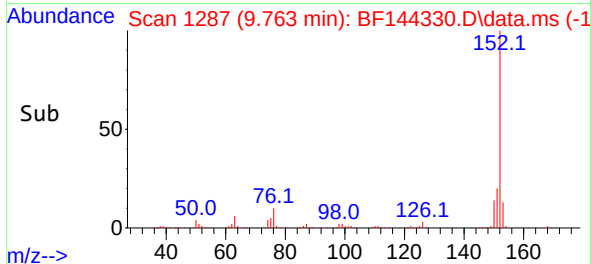
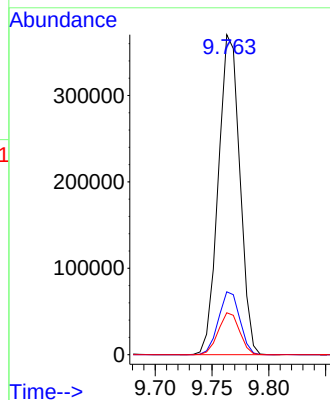
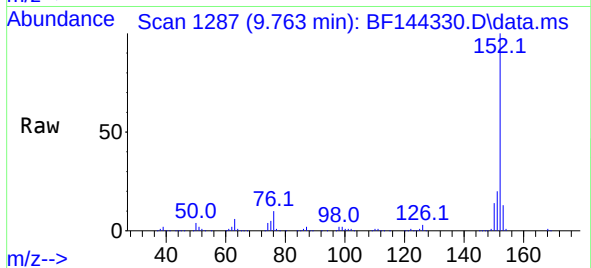
V933MSD

Tgt Ion:152	Resp: 48762
Ion Ratio	Lower Upper
152	100
151	19.7 15.9 23.9
153	13.1 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#50

Dimethylphthalate

Concen: 48.997 ng

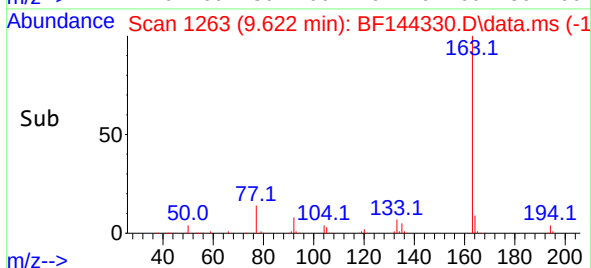
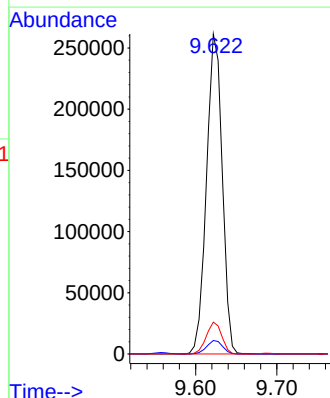
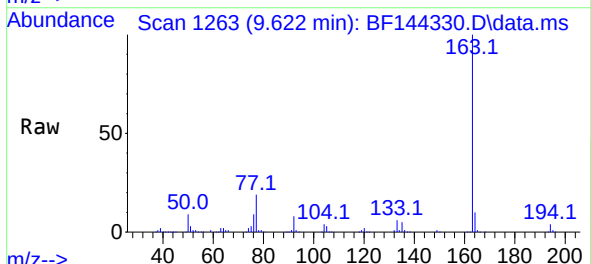
RT: 9.622 min Scan# 1263

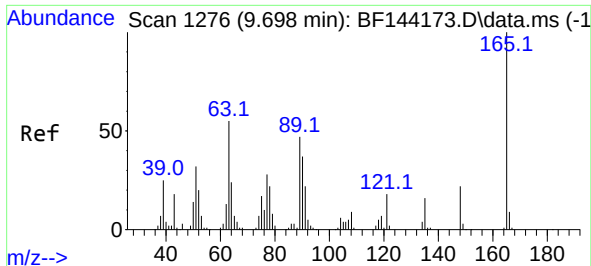
Delta R.T. -0.006 min

Lab File: BF144330.D

Acq: 24 Nov 2025 18:18

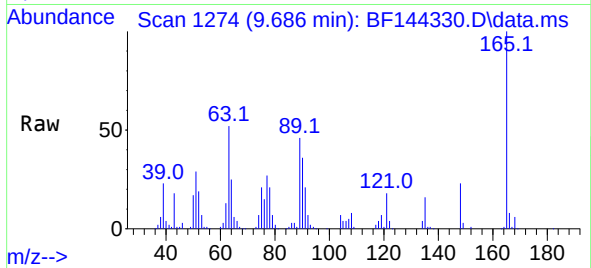
Tgt Ion:163	Resp: 351298
Ion Ratio	Lower Upper
163	100
194	4.2 3.3 4.9
164	10.0 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 52.377 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

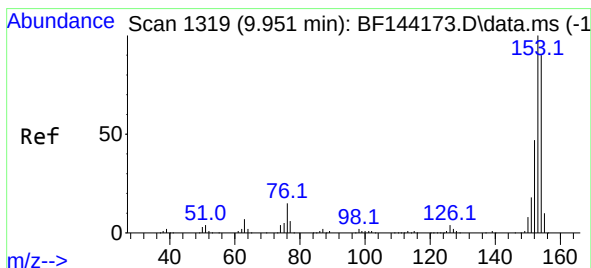
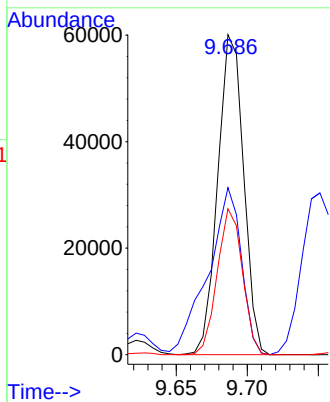
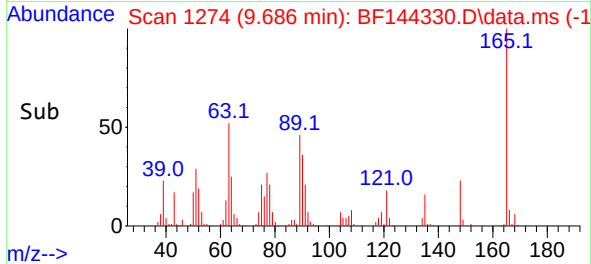
Instrument :
BNA_F
ClientSampleId :
V933MSD



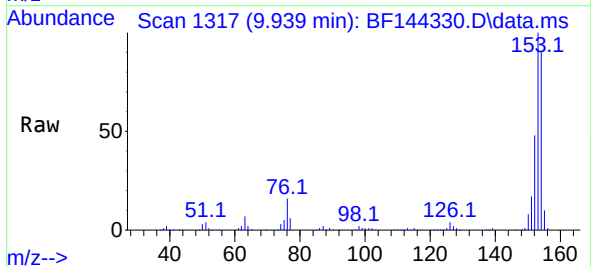
Tgt Ion:165 Resp: 76020
Ion Ratio Lower Upper
165 100
63 52.2 43.8 65.8
89 45.6 37.5 56.3

Manual Integrations
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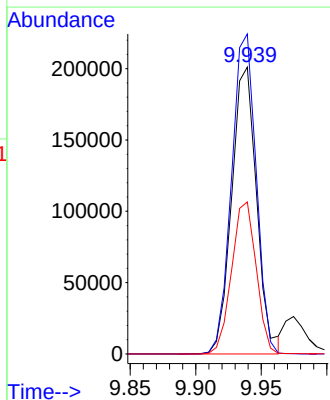
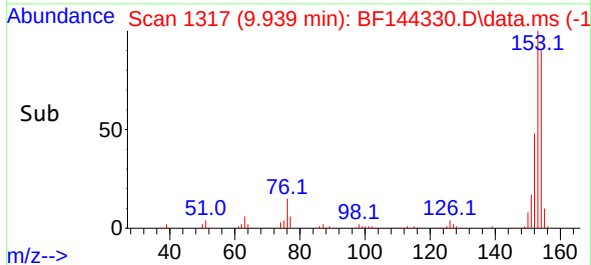
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

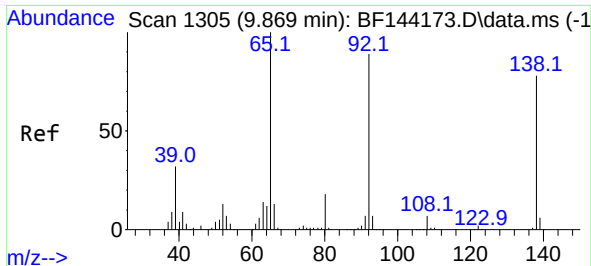


#52
Acenaphthene
Concen: 45.395 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



Tgt Ion:154 Resp: 266576
Ion Ratio Lower Upper
154 100
153 111.6 89.0 133.4
152 53.0 42.2 63.4





#53
3-Nitroaniline
Concen: 29.658 ng
RT: 9.863 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Instrument :

BNA_F

ClientSampleId :

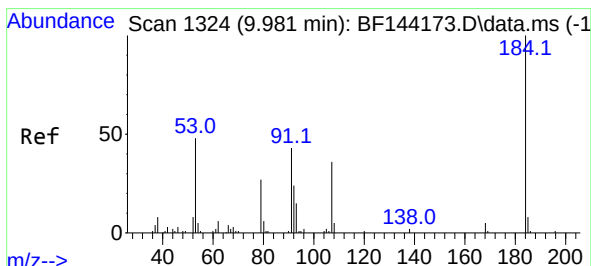
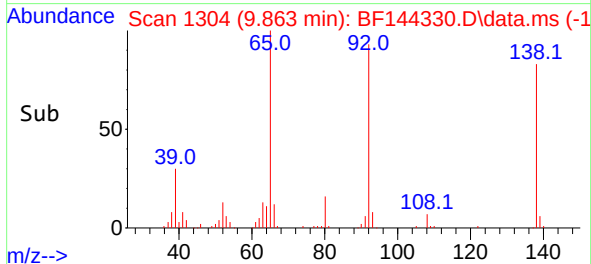
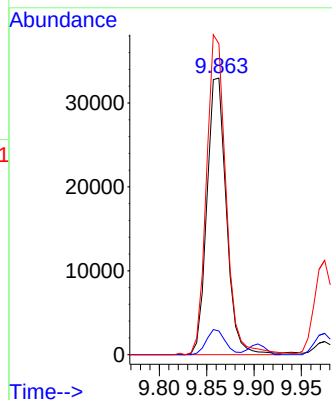
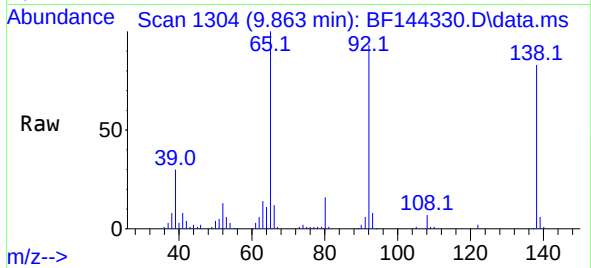
V933MSD

Tgt Ion:138 Resp: 4705
Ion Ratio Lower Upper
138 100
108 8.6 7.5 11.3
92 112.4 91.8 137.6

Manual Integrations

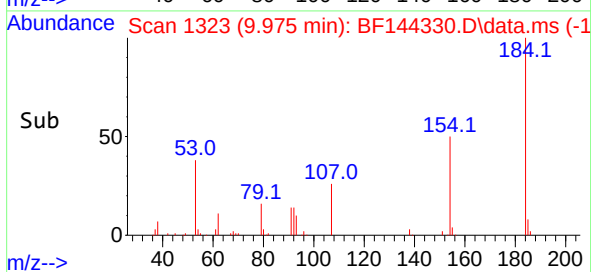
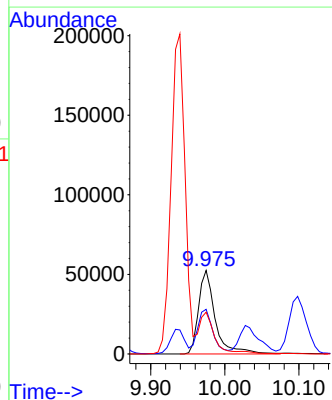
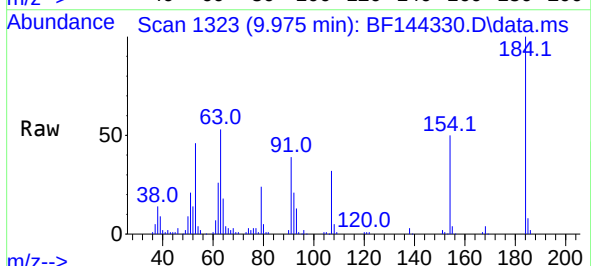
APPROVED

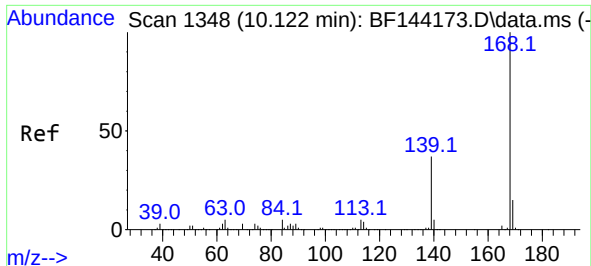
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#54
2,4-Dinitrophenol
Concen: 93.776 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

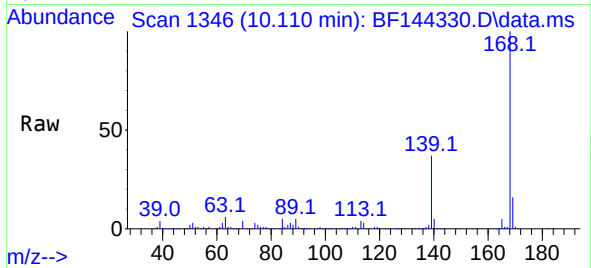
Tgt Ion:184 Resp: 82188
Ion Ratio Lower Upper
184 100
63 53.4 44.0 66.0
154 50.0 42.4 63.6





#55
Dibenzenofuran
Concen: 48.136 ng
RT: 10.110 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

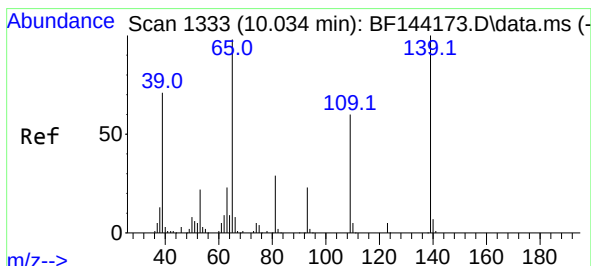
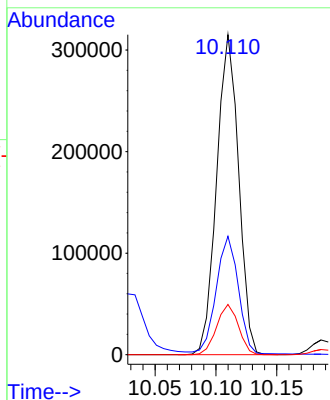
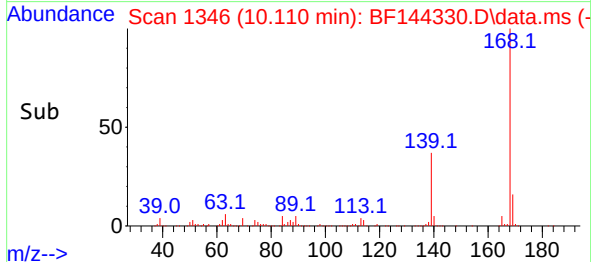
Instrument :
BNA_F
ClientSampleId :
V933MSD



Tgt Ion:168 Resp: 395890
Ion Ratio Lower Upper
168 100
139 37.0 30.2 45.2
169 15.7 12.2 18.4

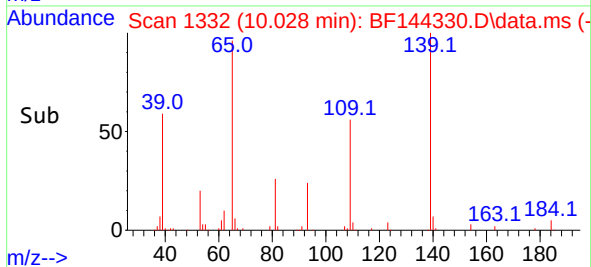
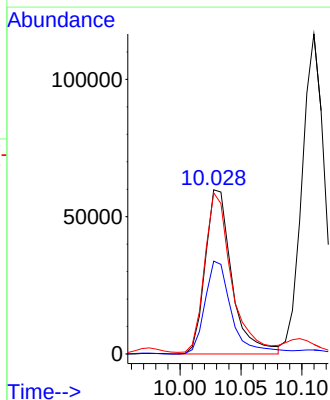
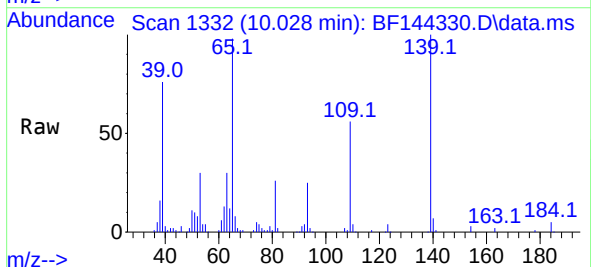
Manual Integrations
APPROVED

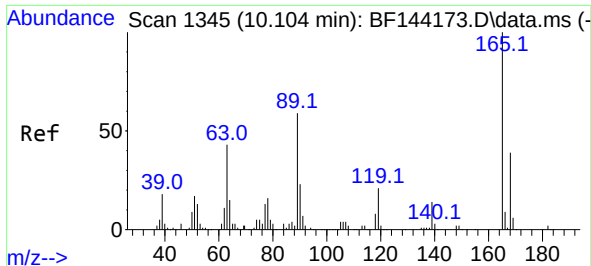
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#56
4-Nitrophenol
Concen: 79.484 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

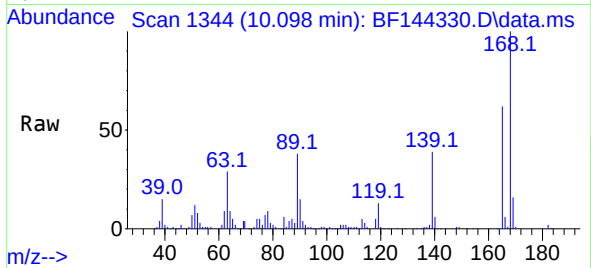
Tgt Ion:139 Resp: 91223
Ion Ratio Lower Upper
139 100
109 56.5 39.9 79.9
65 98.2 79.5 119.5





#57
2,4-Dinitrotoluene
Concen: 50.058 ng
RT: 10.098 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

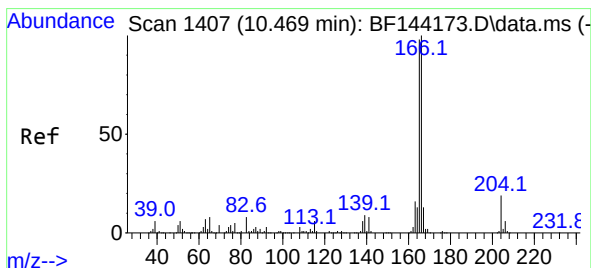
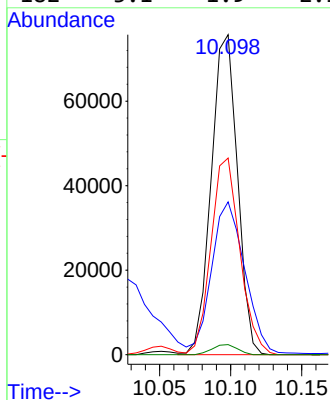
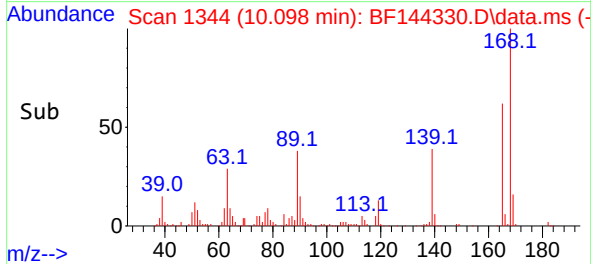
Instrument :
BNA_F
ClientSampleId :
V933MSD



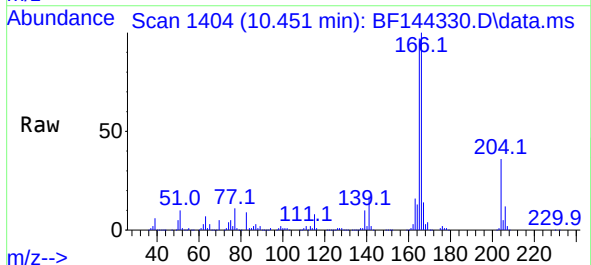
Tgt Ion:165 Resp: 9726
Ion Ratio Lower Upper
165 100
63 47.8 35.5 53.3
89 61.4 47.4 71.2
182 3.1 1.9 2.9#

Manual Integrations
APPROVED

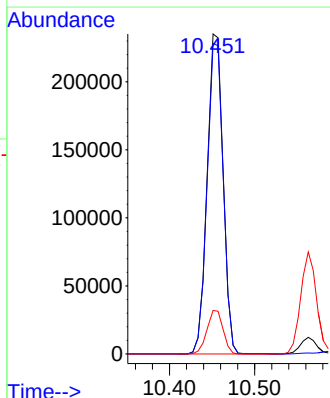
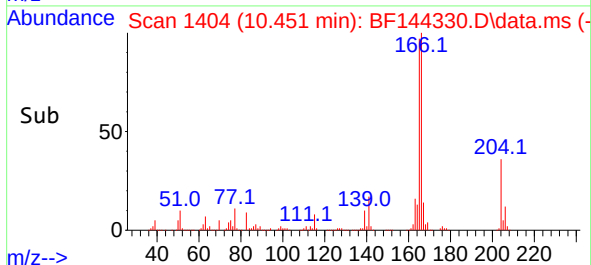
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

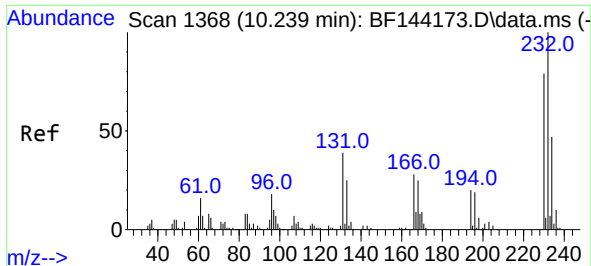


#58
Fluorene
Concen: 49.100 ng
RT: 10.451 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



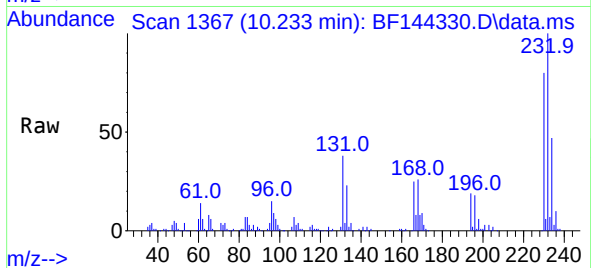
Tgt Ion:166 Resp: 307030
Ion Ratio Lower Upper
166 100
165 97.0 78.6 118.0
167 13.6 10.4 15.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 48.796 ng
RT: 10.233 min Scan# 1367
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

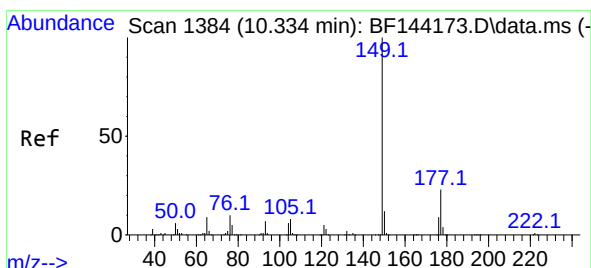
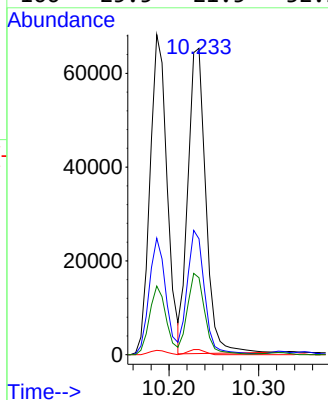
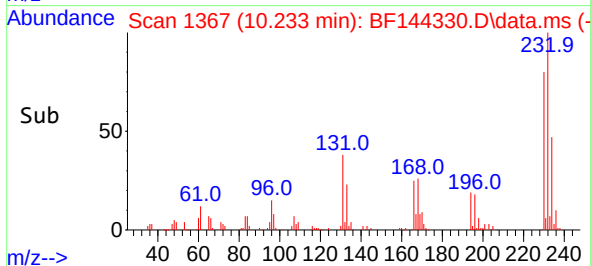
Instrument :
BNA_F
ClientSampleId :
V933MSD



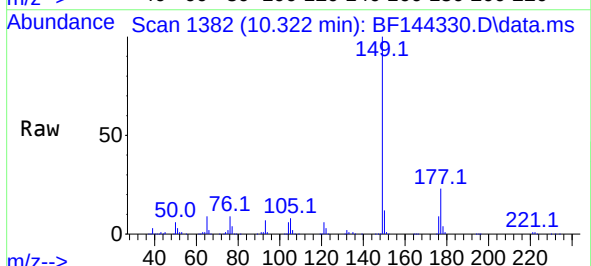
Tgt Ion:232 Resp: 8982
Ion Ratio Lower Upper
232 100
131 39.0 30.3 45.5
130 1.6 1.2 1.8
166 25.5 21.5 32.3

Manual Integrations
APPROVED

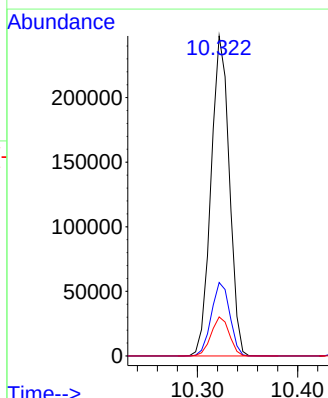
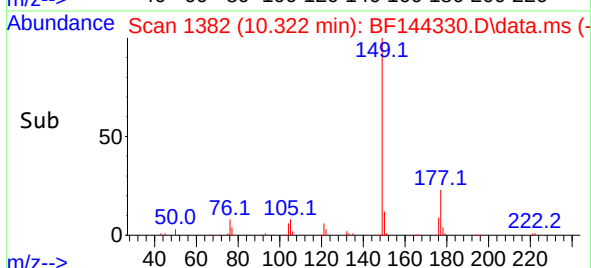
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

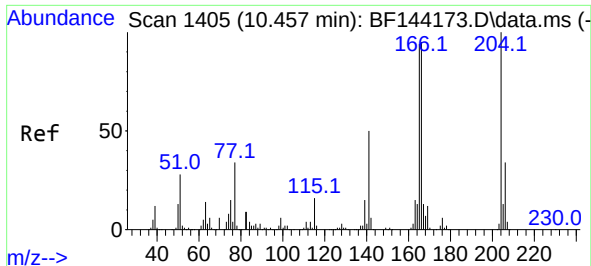


#60
Diethylphthalate
Concen: 47.444 ng
RT: 10.322 min Scan# 1382
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



Tgt Ion:149 Resp: 313576
Ion Ratio Lower Upper
149 100
177 23.0 18.3 27.5
150 12.2 9.8 14.6





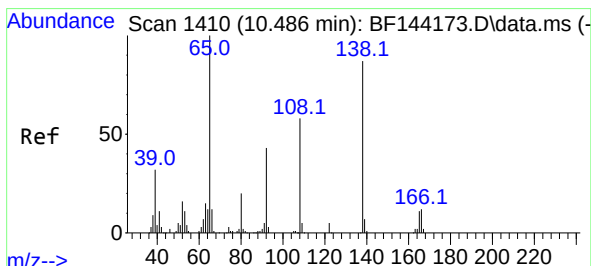
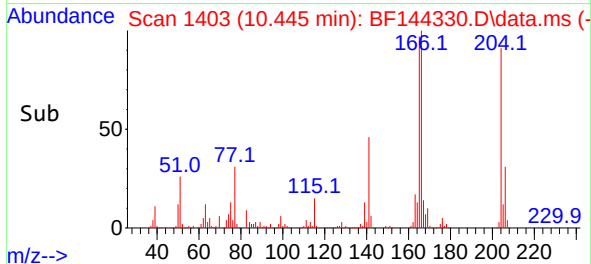
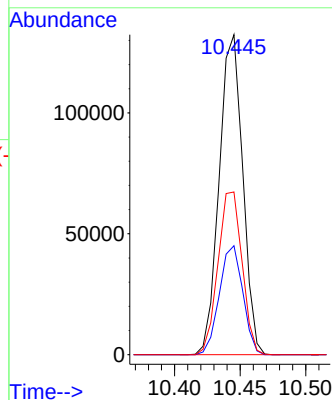
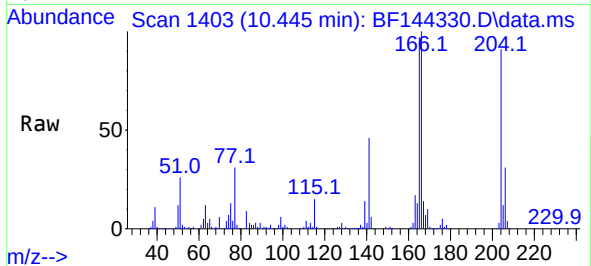
#61
4-Chlorophenyl-phenylether
Concen: 46.282 ng
RT: 10.445 min Scan# 1405
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Instrument :
BNA_F
ClientSampleId :
V933MSD

Tgt Ion:204 Resp: 16485
Ion Ratio Lower Upper
204 100
206 34.1 27.4 41.2
141 50.9 40.0 60.0

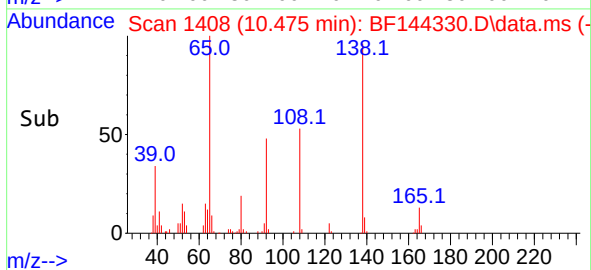
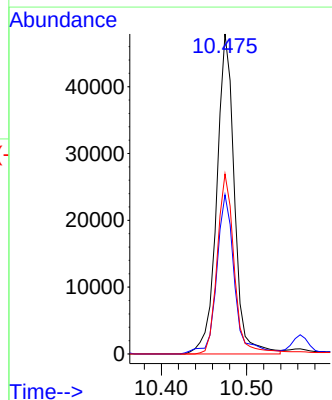
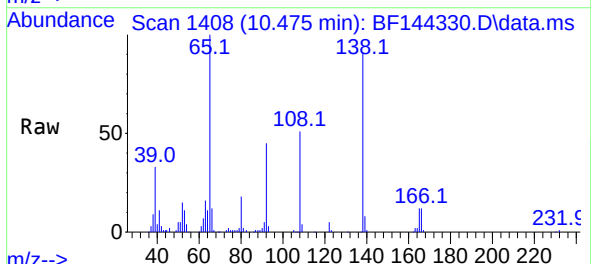
Manual Integrations
APPROVED

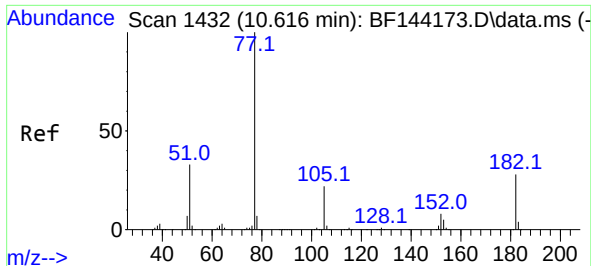
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#62
4-Nitroaniline
Concen: 45.638 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

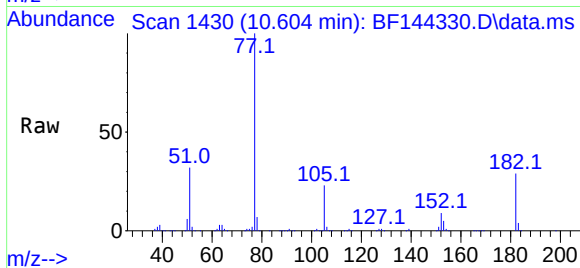
Tgt Ion:138 Resp: 68956
Ion Ratio Lower Upper
138 100
92 49.8 29.4 69.4
108 56.2 46.4 86.4





#63
Azobenzene
Concen: 50.888 ng
RT: 10.604 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

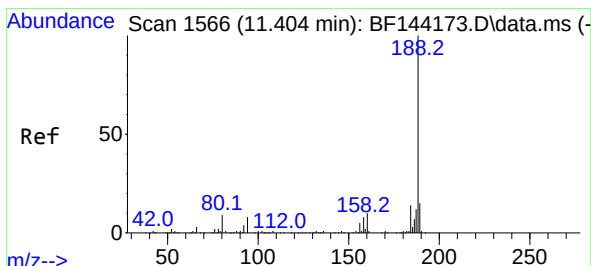
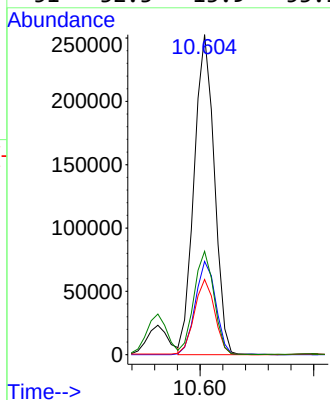
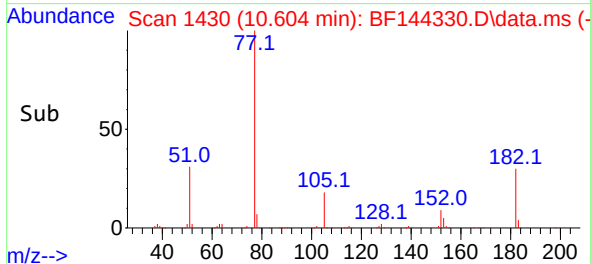
Instrument :
BNA_F
ClientSampleId :
V933MSD



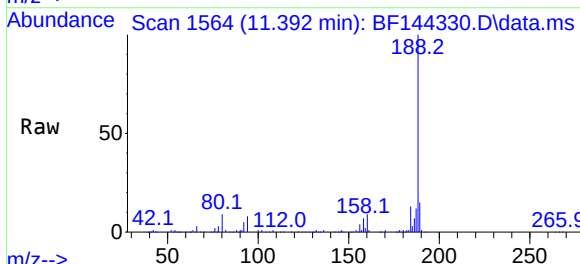
Tgt Ion: 77 Resp: 313024
Ion Ratio Lower Upper
77 100
182 29.2 8.1 48.1
105 23.5 2.0 42.0
51 32.3 13.9 53.9

Manual Integrations
APPROVED

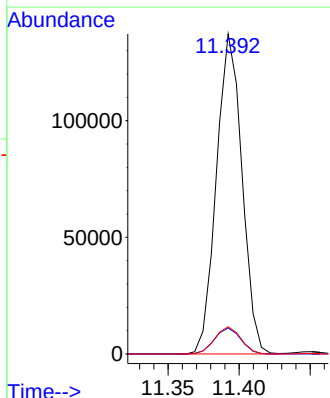
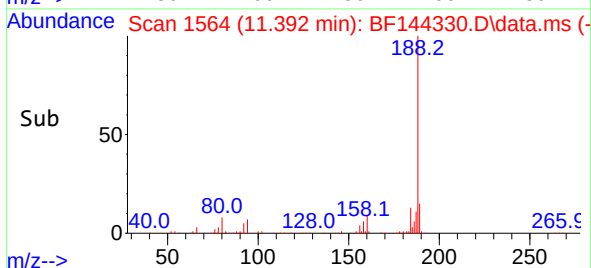
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

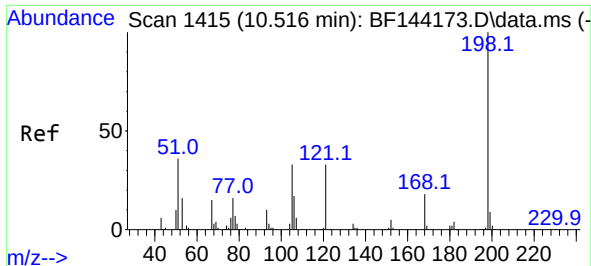


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



Tgt Ion:188 Resp: 171619
Ion Ratio Lower Upper
188 100
94 8.2 6.2 9.2
80 8.5 6.9 10.3





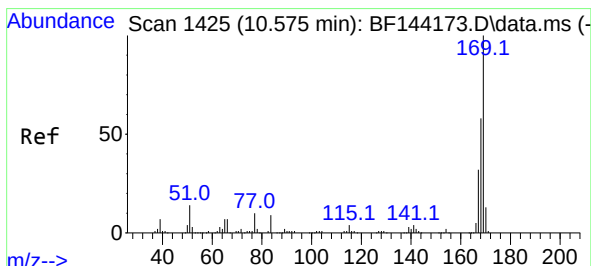
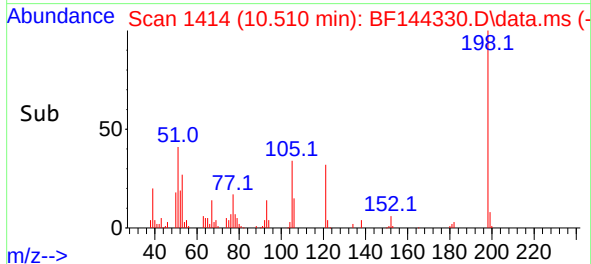
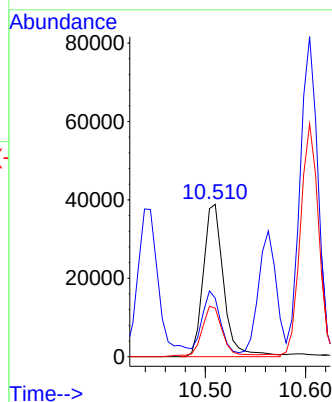
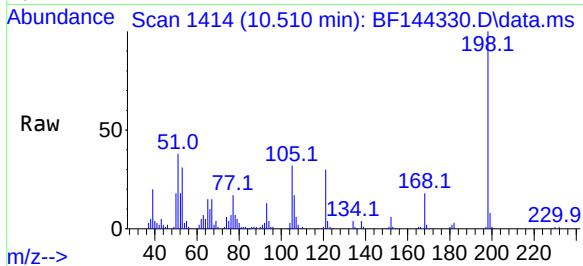
#65
4,6-Dinitro-2-methylphenol
Concen: 47.056 ng
RT: 10.510 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Instrument :
BNA_F
ClientSampleId :
V933MSD

Tgt Ion:198 Resp: 5486
Ion Ratio Lower Upper
198 100
51 38.4 25.6 65.6
105 31.8 14.6 54.6

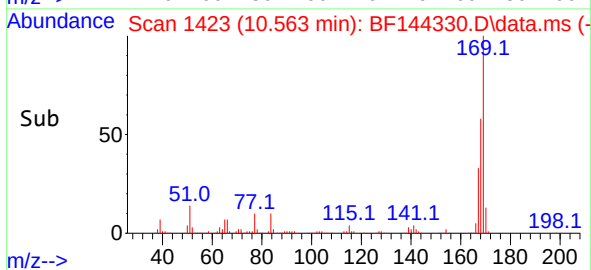
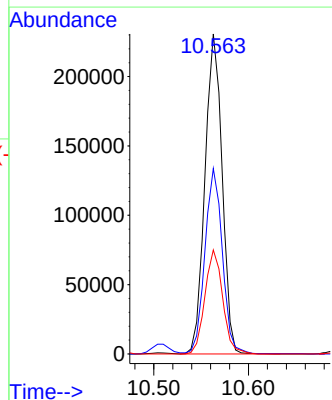
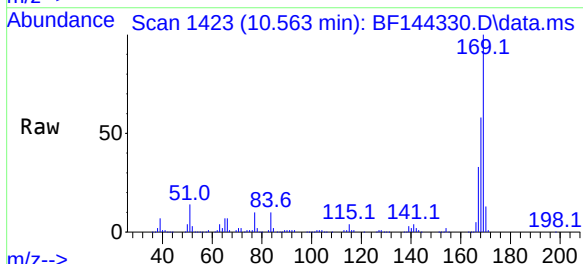
Manual Integrations
APPROVED

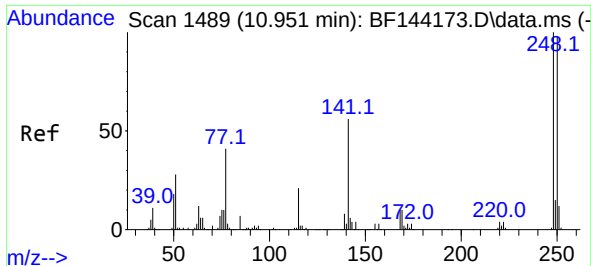
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#66
n-Nitrosodiphenylamine
Concen: 52.536 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

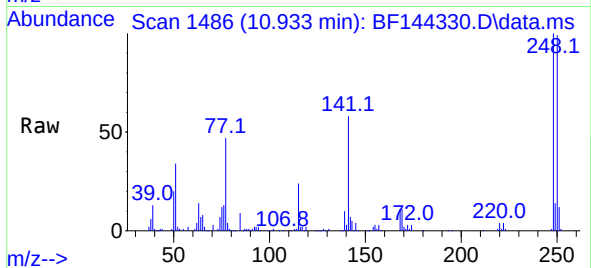
Tgt Ion:169 Resp: 289982
Ion Ratio Lower Upper
169 100
168 57.9 46.2 69.2
167 32.5 25.7 38.5





#67
4-Bromophenyl-phenylether
Concen: 49.400 ng
RT: 10.933 min Scan# 1486
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

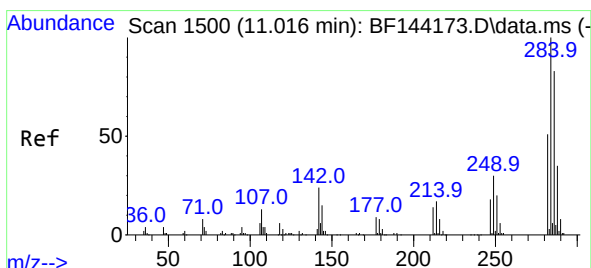
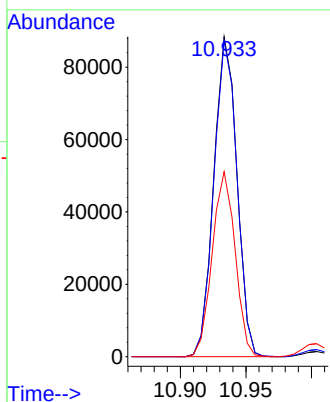
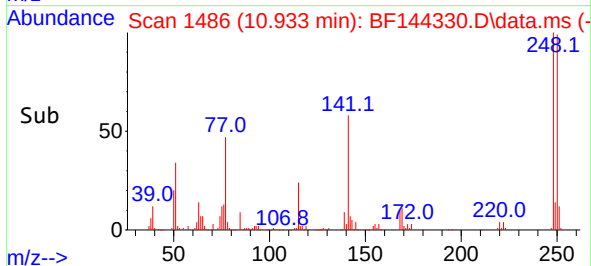
Instrument :
BNA_F
ClientSampleId :
V933MSD



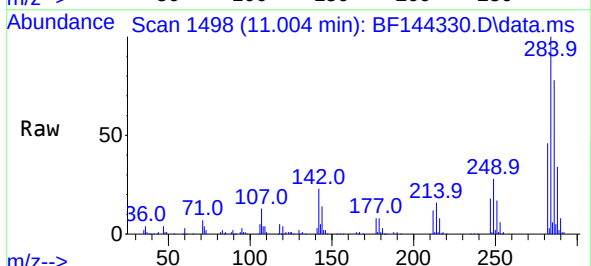
Tgt Ion:248 Resp: 108214
Ion Ratio Lower Upper
248 100
250 98.8 78.4 117.6
141 57.8 45.1 67.7

Manual Integrations
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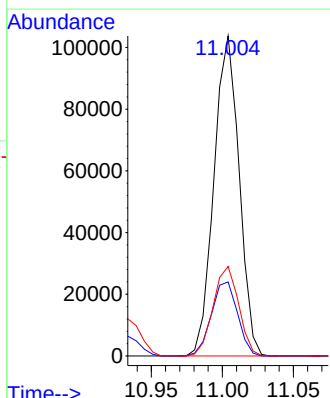
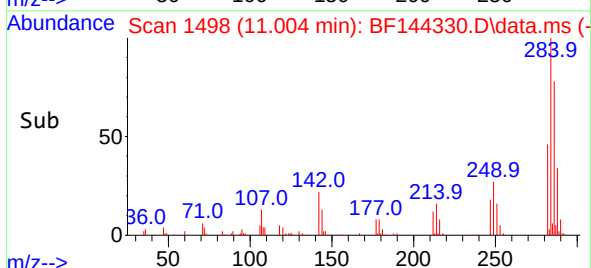
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

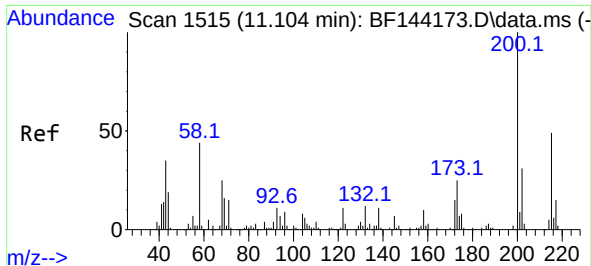


#68
Hexachlorobenzene
Concen: 49.533 ng
RT: 11.004 min Scan# 1498
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



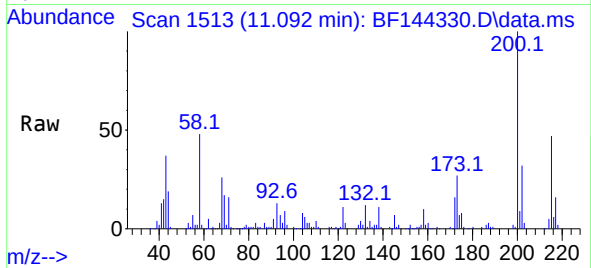
Tgt Ion:284 Resp: 127803
Ion Ratio Lower Upper
284 100
142 23.2 19.2 28.8
249 28.0 23.8 35.8





#69
Atrazine
Concen: 51.638 ng
RT: 11.092 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

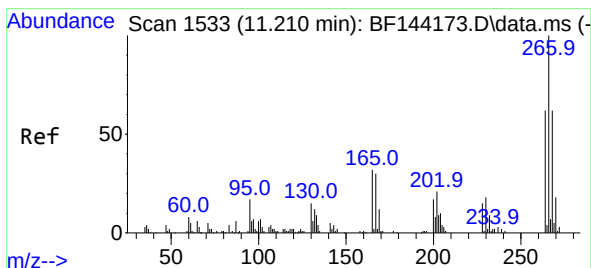
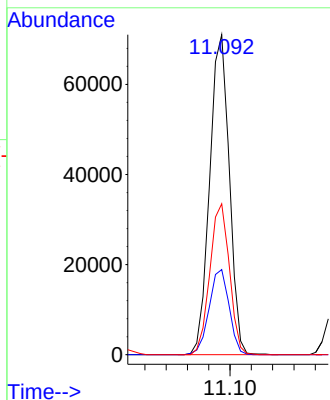
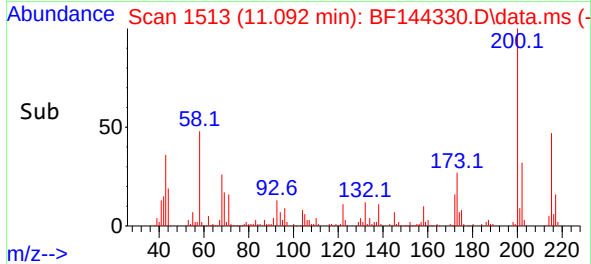
Instrument :
BNA_F
ClientSampleId :
V933MSD



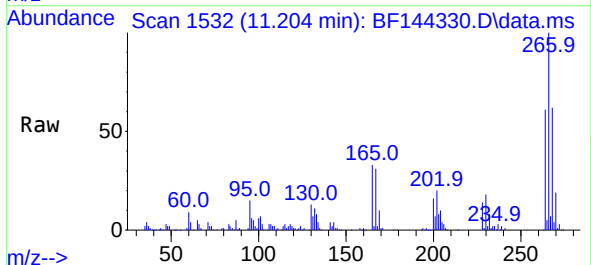
Tgt Ion:200 Resp: 90640
Ion Ratio Lower Upper
200 100
173 26.6 5.0 45.0
215 47.1 28.7 68.7

Manual Integrations
APPROVED

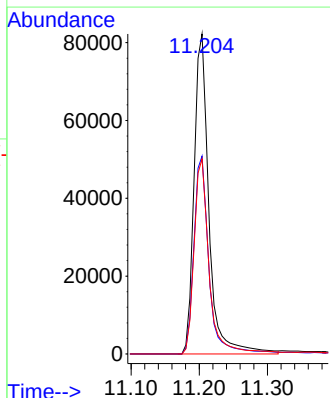
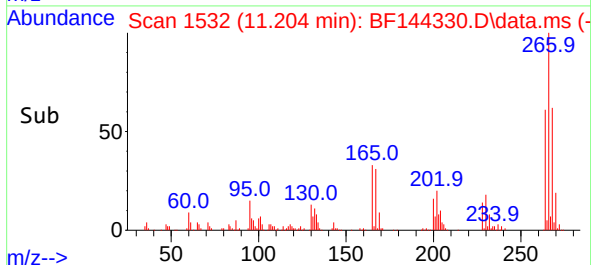
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

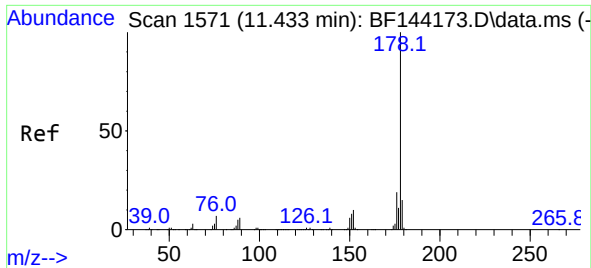


#70
Pentachlorophenol
Concen: 96.539 ng
RT: 11.204 min Scan# 1532
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



Tgt Ion:266 Resp: 124036
Ion Ratio Lower Upper
266 100
268 61.8 49.5 74.3
264 61.0 49.4 74.2





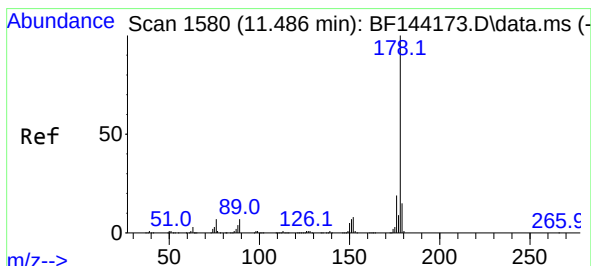
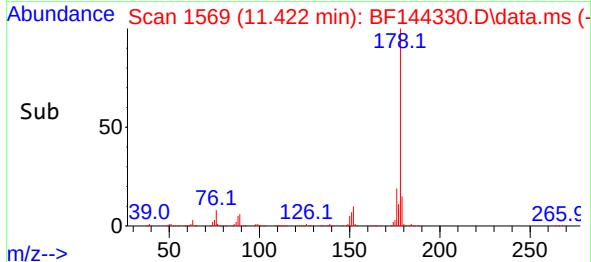
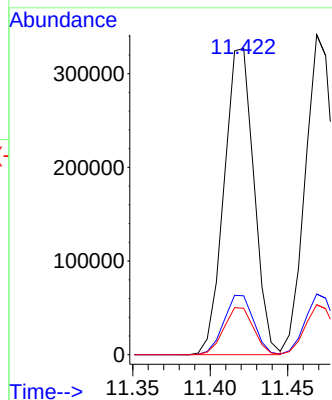
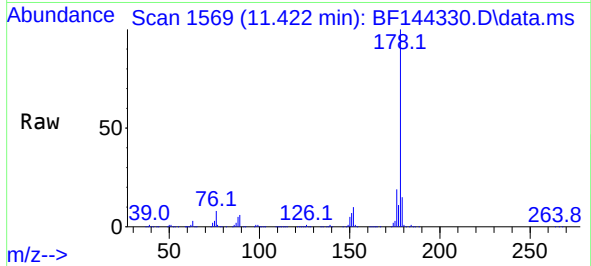
#71
Phenanthrene
Concen: 51.273 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Instrument :
BNA_F
ClientSampleId :
V933MSD

Tgt Ion:178 Resp: 43810
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.1 12.2 18.4

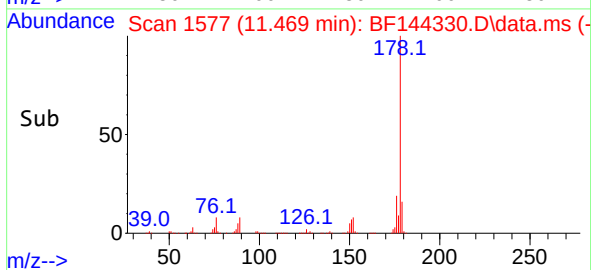
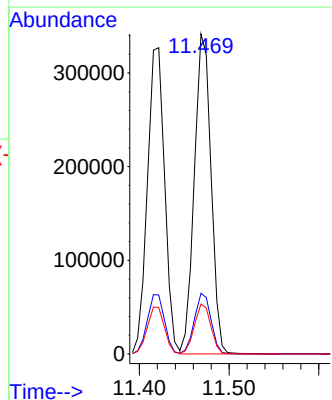
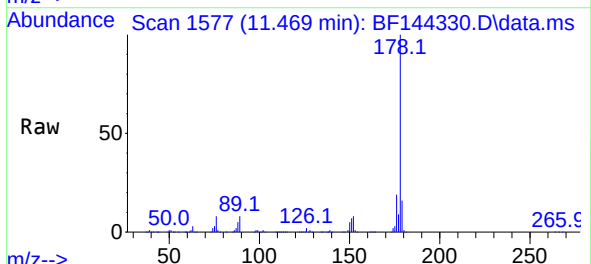
Manual Integrations
APPROVED

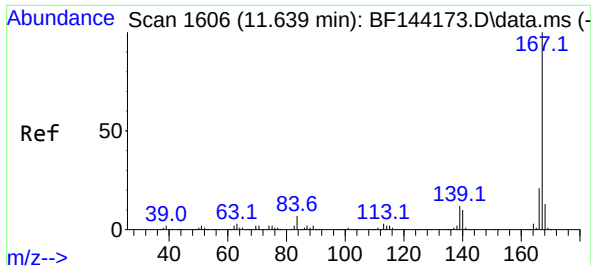
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#72
Anthracene
Concen: 50.736 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

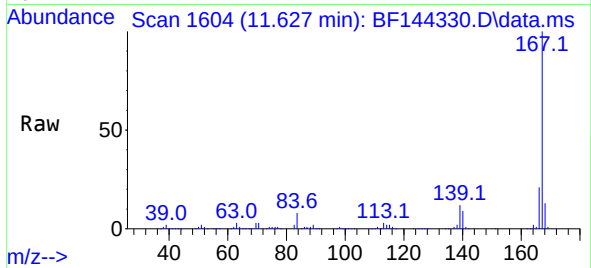
Tgt Ion:178 Resp: 440820
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.6 12.0 18.0





#73
Carbazole
Concen: 50.658 ng
RT: 11.627 min Scan# 1604
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

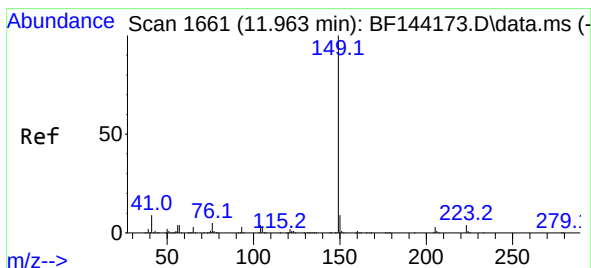
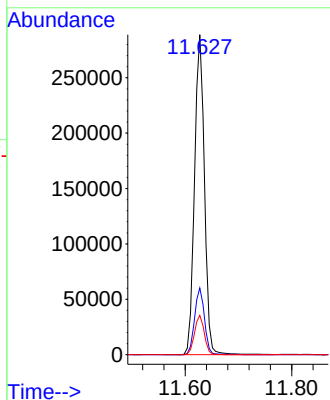
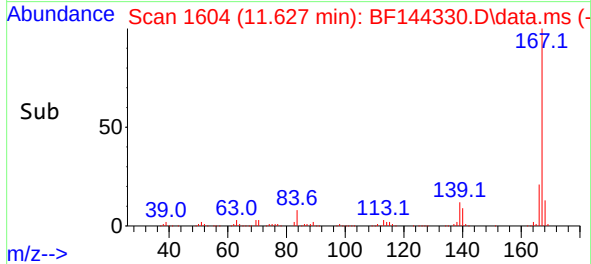
Instrument :
BNA_F
ClientSampleId :
V933MSD



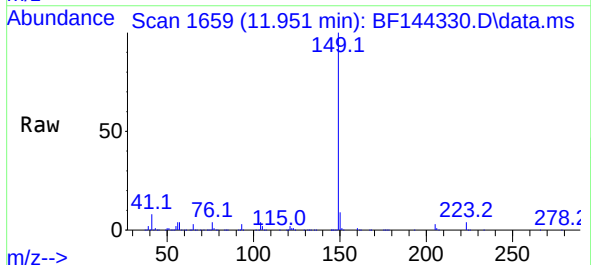
Tgt Ion:167 Resp: 37426
Ion Ratio Lower Upper
167 100
166 20.9 17.2 25.8
139 12.3 9.9 14.9

Manual Integrations
APPROVED

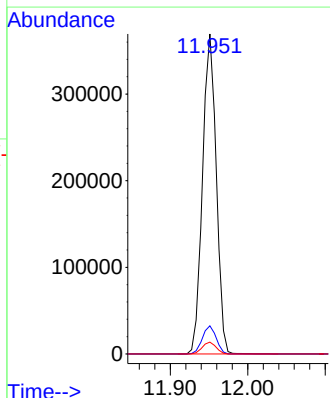
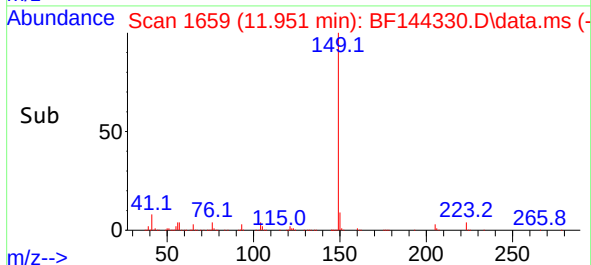
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

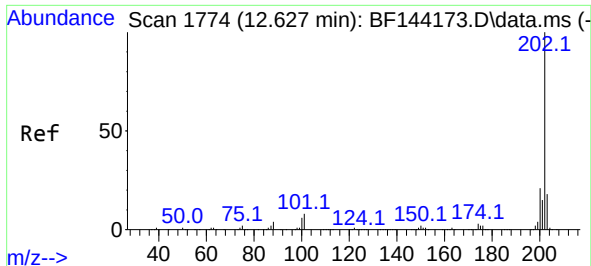


#74
Di-n-butylphthalate
Concen: 50.910 ng
RT: 11.951 min Scan# 1659
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



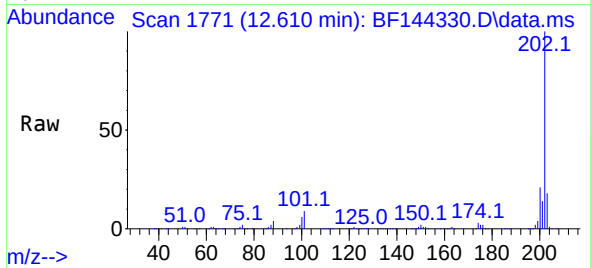
Tgt Ion:149 Resp: 454700
Ion Ratio Lower Upper
149 100
150 8.8 7.4 11.0
104 3.7 3.4 5.2





#75
Fluoranthene
Concen: 49.038 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

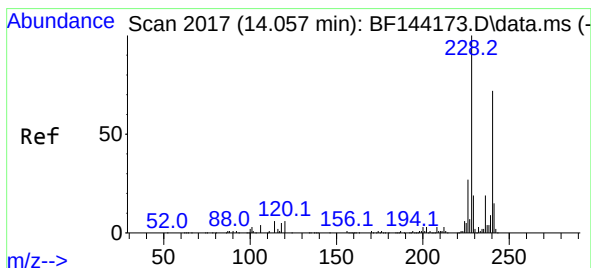
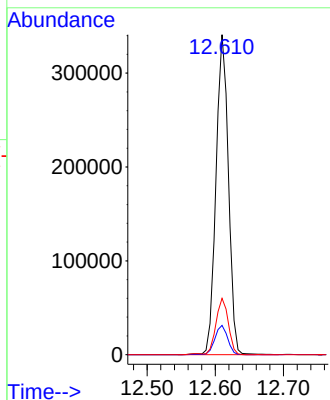
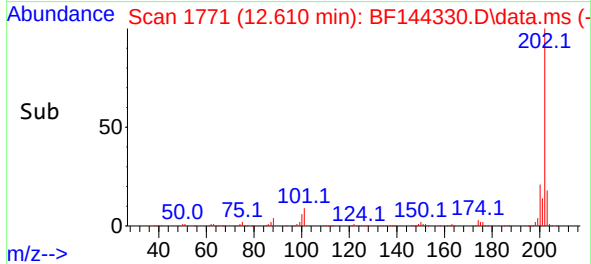
Instrument :
BNA_F
ClientSampleId :
V933MSD



Tgt Ion:202 Resp: 432844
Ion Ratio Lower Upper
202 100
101 9.2 0.0 27.9
203 17.6 0.0 37.5

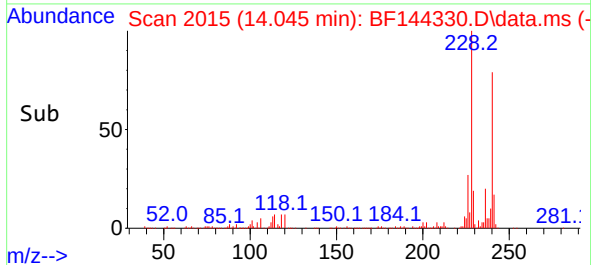
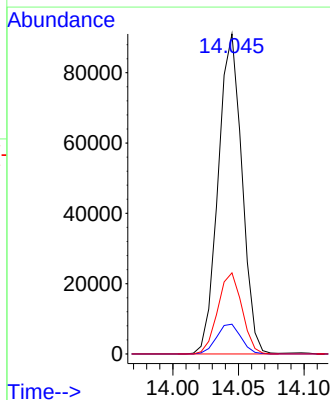
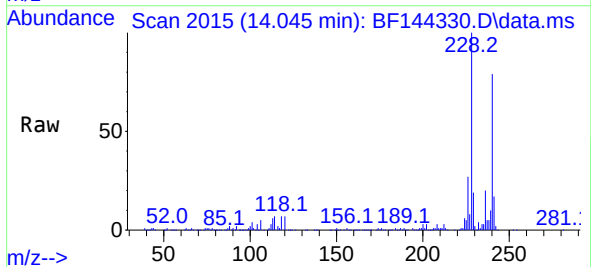
Manual Integrations
APPROVED

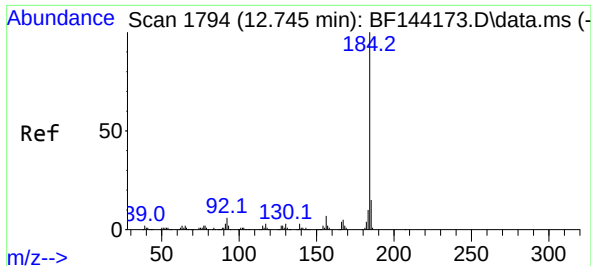
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Tgt Ion:240 Resp: 114576
Ion Ratio Lower Upper
240 100
120 9.3 6.6 10.0
236 25.4 21.4 32.2





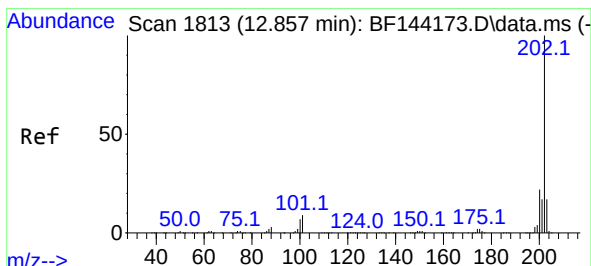
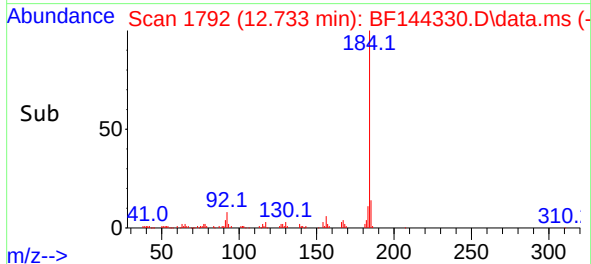
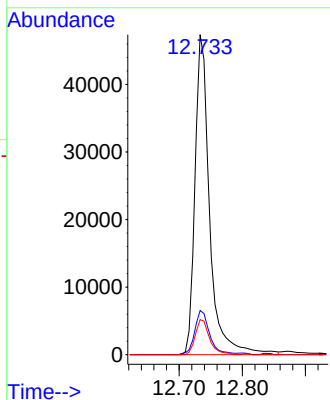
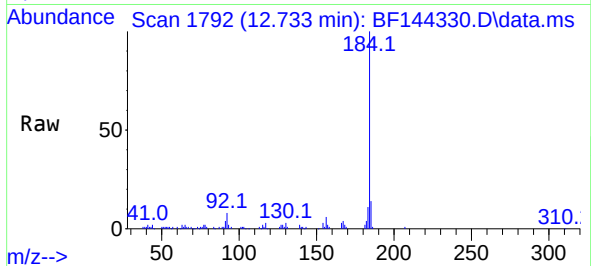
#77
Benzidine
Concen: 22.431 ng
RT: 12.733 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Instrument :
BNA_F
ClientSampleId :
V933MSD

Tgt Ion:184 Resp: 7602
Ion Ratio Lower Upper
184 100
185 13.8 11.7 17.5
183 10.9 8.3 12.5

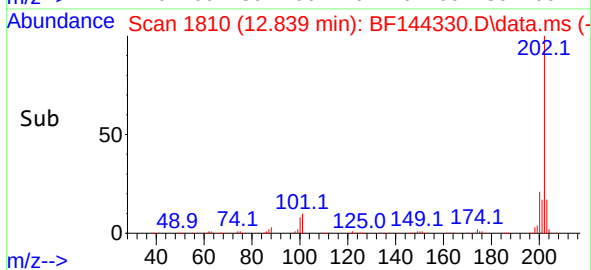
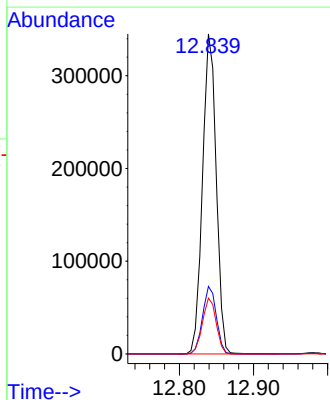
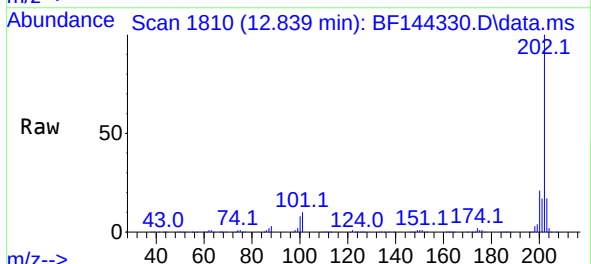
Manual Integrations
APPROVED

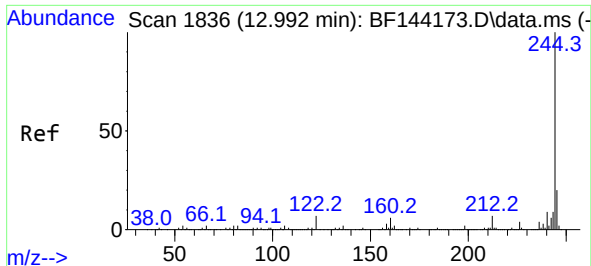
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#78
Pyrene
Concen: 48.078 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Tgt Ion:202 Resp: 444156
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 17.5 13.7 20.5





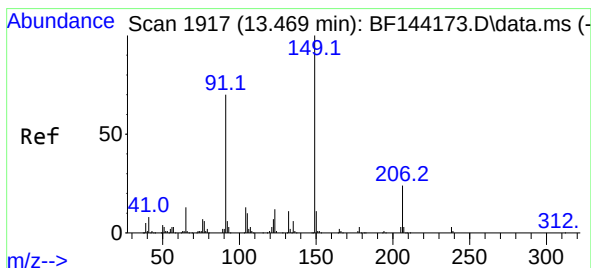
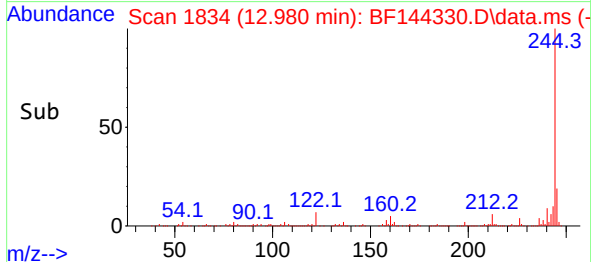
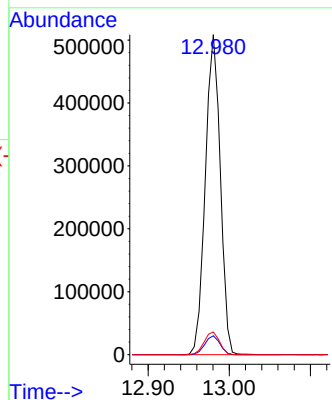
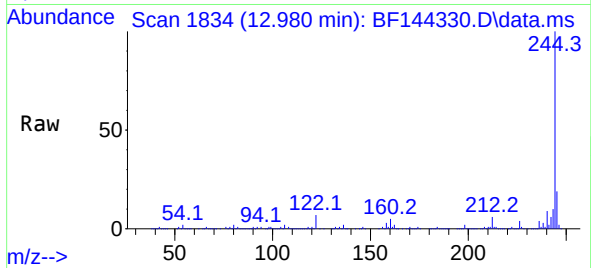
#79
Terphenyl-d14
Concen: 89.992 ng
RT: 12.980 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Instrument :
BNA_F
ClientSampleId :
V933MSD

Tgt Ion:244 Resp: 649135
Ion Ratio Lower Upper
244 100
212 5.9 5.3 7.9
122 7.1 5.6 8.4

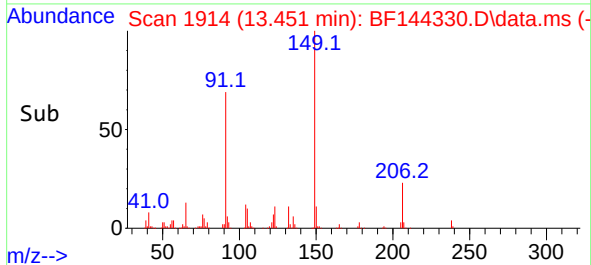
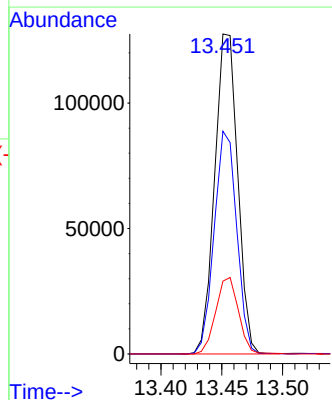
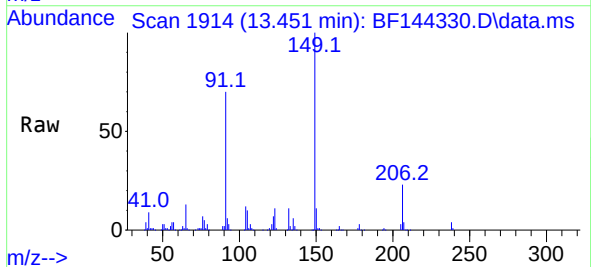
Manual Integrations
APPROVED

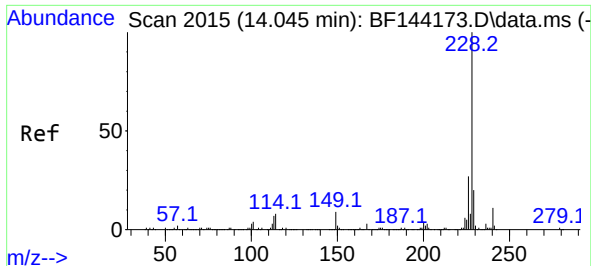
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#80
Butylbenzylphthalate
Concen: 52.441 ng
RT: 13.451 min Scan# 1914
Delta R.T. -0.018 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Tgt Ion:149 Resp: 167908
Ion Ratio Lower Upper
149 100
91 69.6 56.1 84.1
206 22.7 18.8 28.2





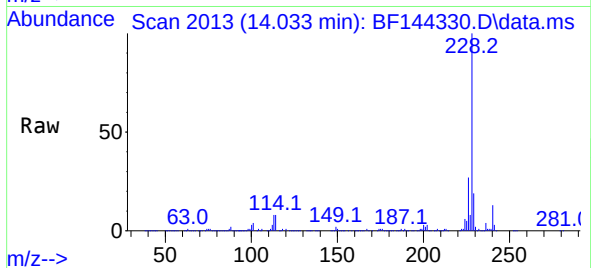
#81
Benzo(a)anthracene
Concen: 53.548 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

Instrument :

BNA_F

ClientSampleId :

V933MSD

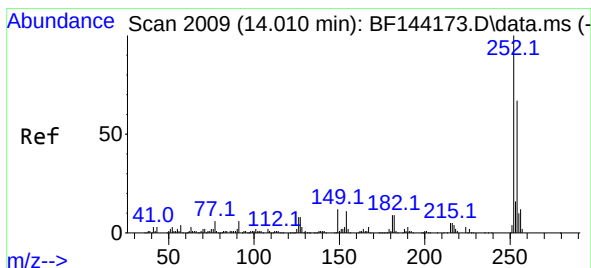
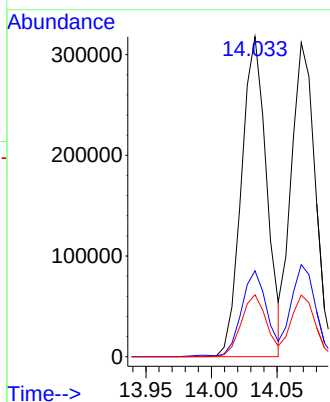
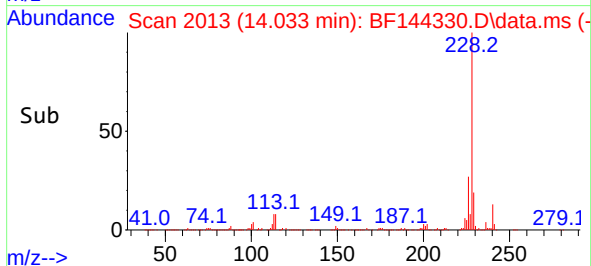


Tgt Ion:228 Resp: 425225
Ion Ratio Lower Upper
228 100
226 26.8 21.8 32.8
229 19.4 15.8 23.6

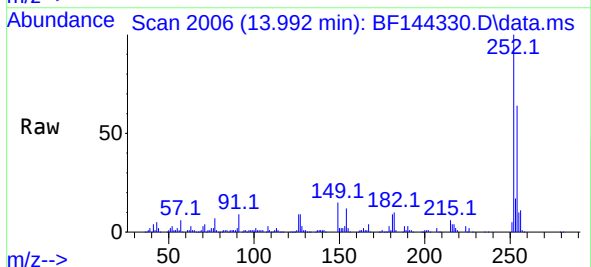
Manual Integrations

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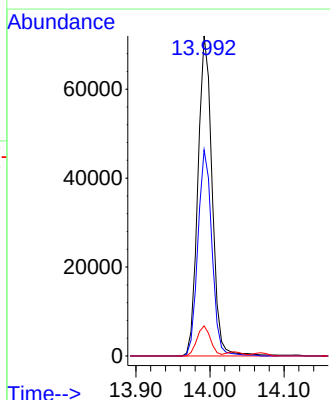
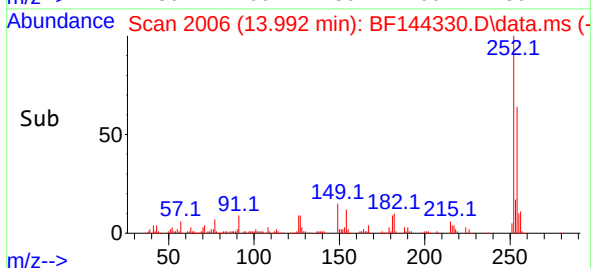
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

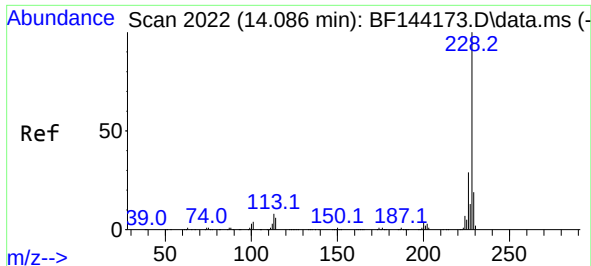


#82
3,3'-Dichlorobenzidine
Concen: 35.100 ng
RT: 13.992 min Scan# 2006
Delta R.T. -0.018 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



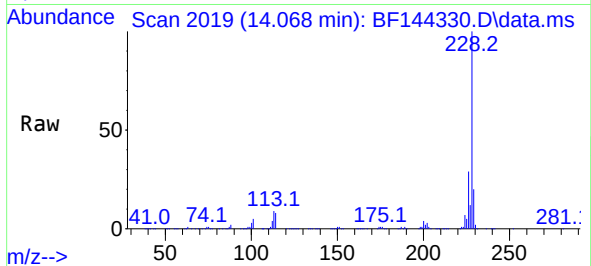
Tgt Ion:252 Resp: 95541
Ion Ratio Lower Upper
252 100
254 64.4 53.5 80.3
126 9.4 6.4 9.6





#83
Chrysene
Concen: 54.346 ng
RT: 14.068 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

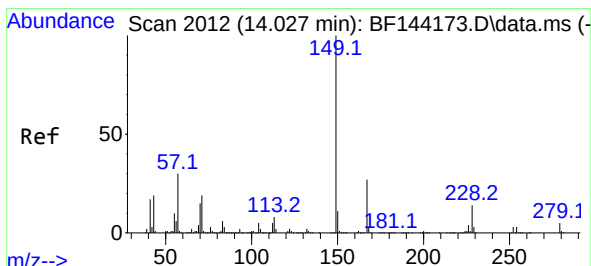
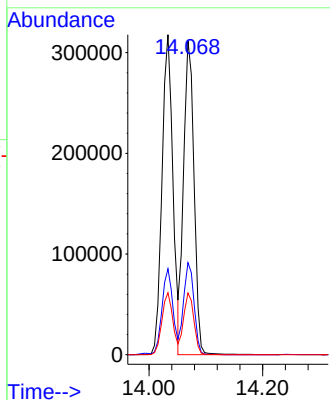
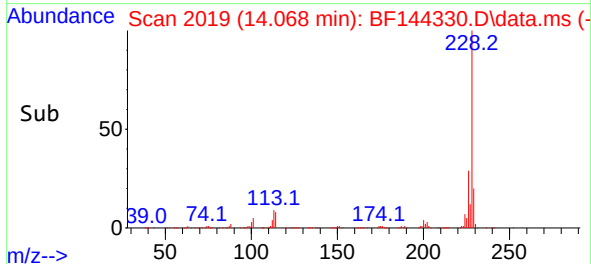
Instrument :
BNA_F
ClientSampleId :
V933MSD



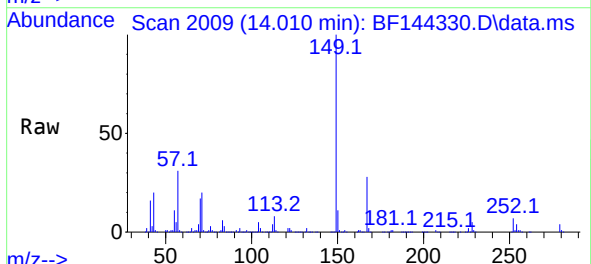
Tgt Ion:228 Resp: 398390
Ion Ratio Lower Upper
228 100
226 29.3 22.9 34.3
229 19.6 15.0 22.6

Manual Integrations
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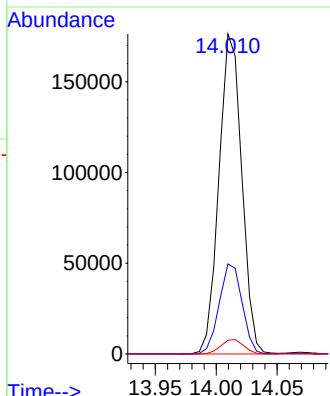
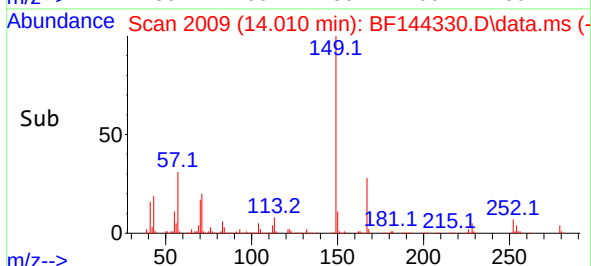
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

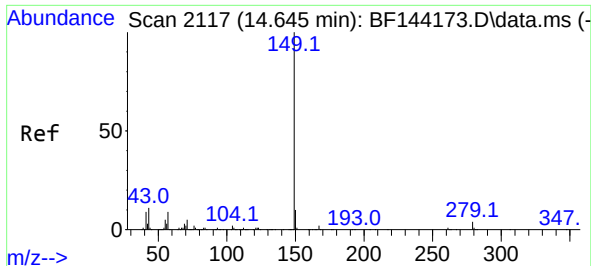


#84
Bis(2-ethylhexyl)phthalate
Concen: 52.503 ng
RT: 14.010 min Scan# 2009
Delta R.T. -0.018 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



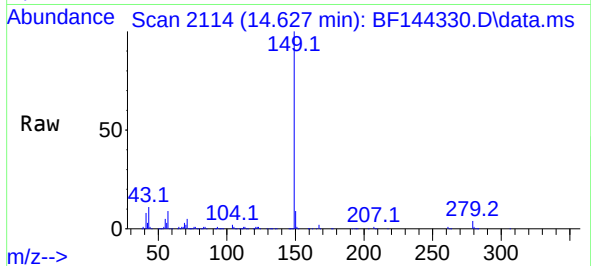
Tgt Ion:149 Resp: 230126
Ion Ratio Lower Upper
149 100
167 28.1 21.8 32.8
279 4.3 3.7 5.5





#85
Di-n-octyl phthalate
Concen: 56.671 ng
RT: 14.627 min Scan# 2114
Delta R.T. -0.018 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

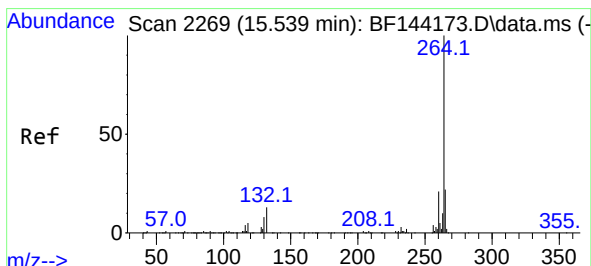
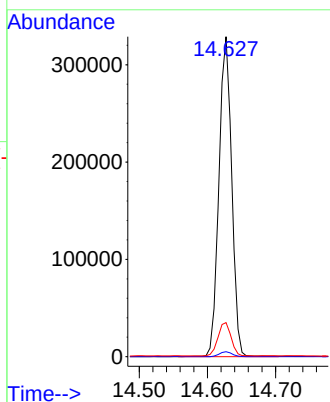
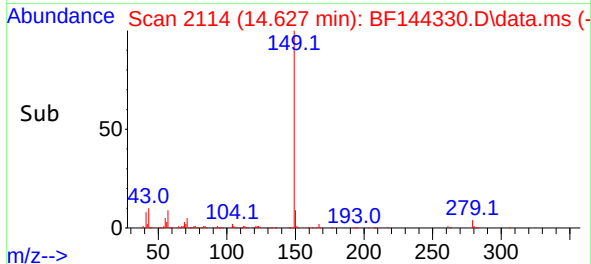
Instrument :
BNA_F
ClientSampleId :
V933MSD



Tgt Ion:149 Resp: 42856
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 10.7 9.0 13.4

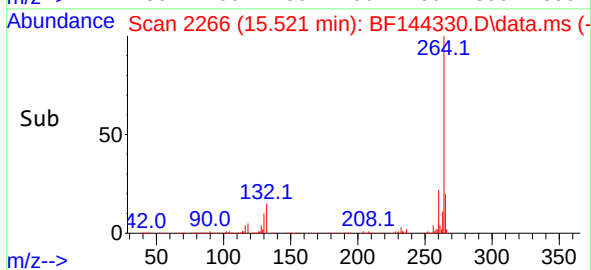
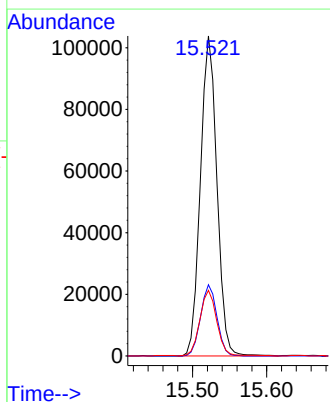
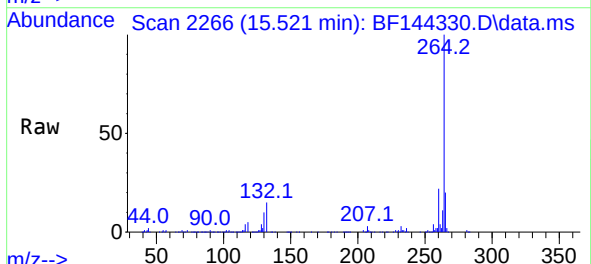
Manual Integrations
APPROVED

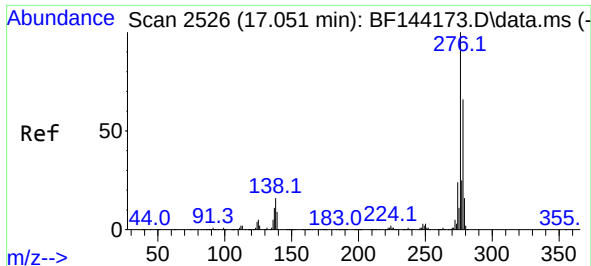
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

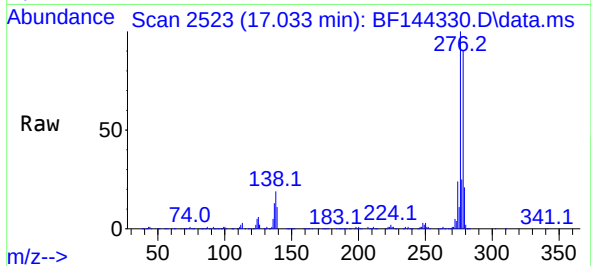
Tgt Ion:264 Resp: 160719
Ion Ratio Lower Upper
264 100
260 22.2 17.1 25.7
265 20.5 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 50.182 ng
RT: 17.033 min Scan# 2193
Delta R.T. -0.000 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

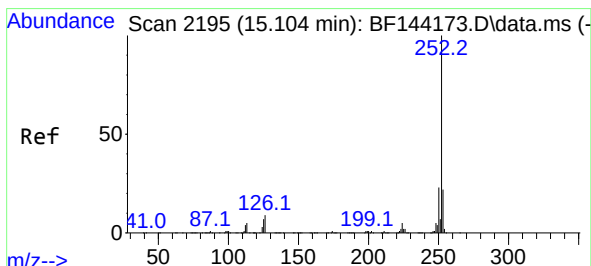
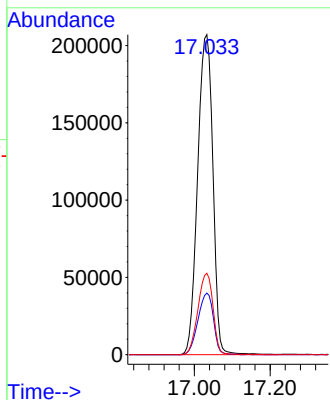
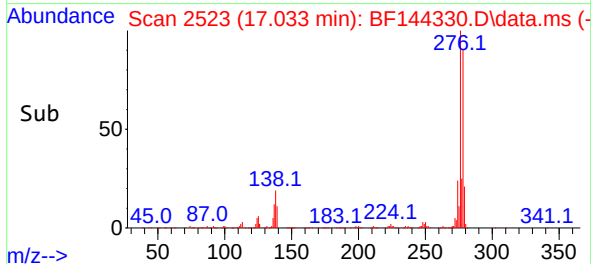
Instrument :
BNA_F
ClientSampleId :
V933MSD



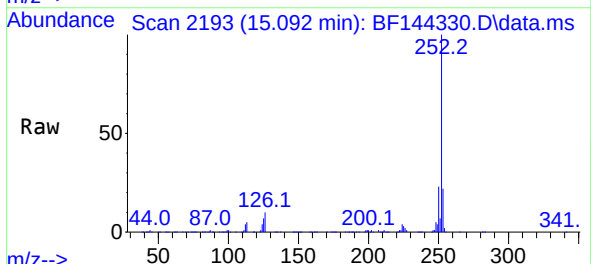
Tgt Ion:276 Resp: 578952
Ion Ratio Lower Upper
276 100
138 19.5 13.9 20.9
277 25.2 19.8 29.6

Manual Integrations
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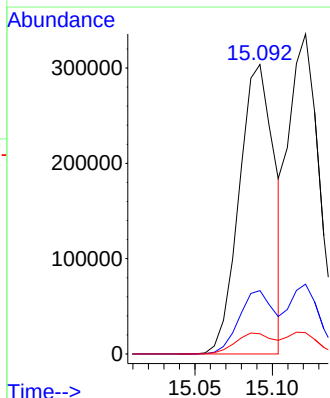
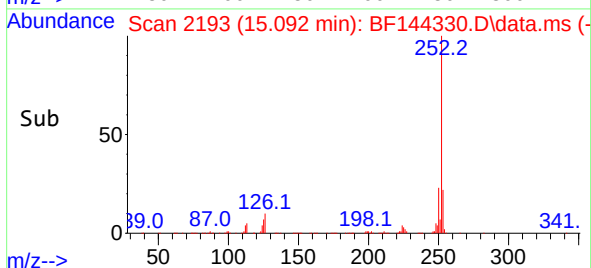
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

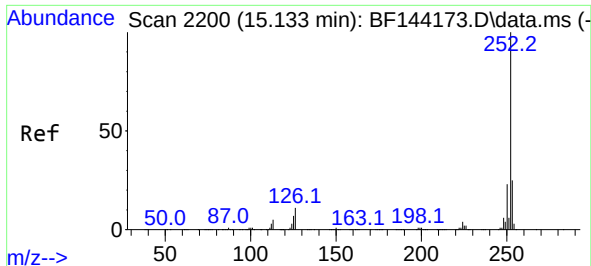


#88
Benzo(b)fluoranthene
Concen: 52.541 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



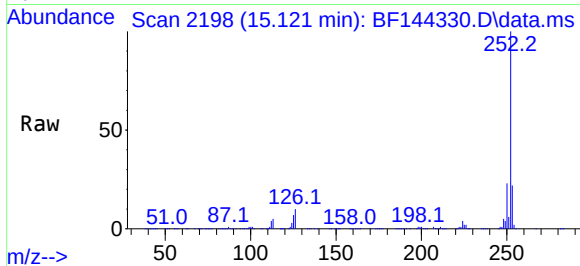
Tgt Ion:252 Resp: 480078
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 6.9 5.3 7.9





#89
Benzo(k)fluoranthene
Concen: 53.436 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

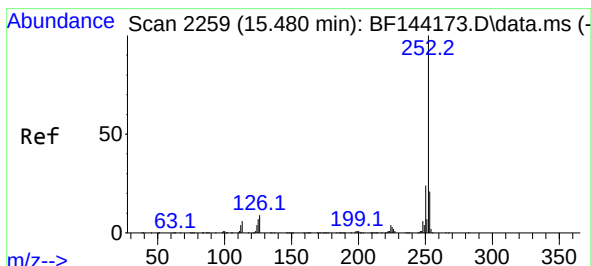
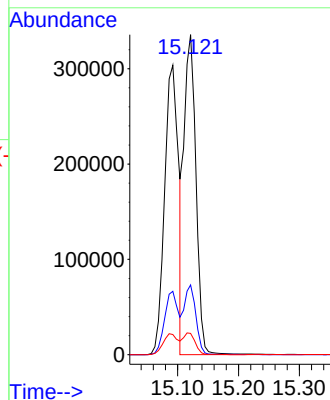
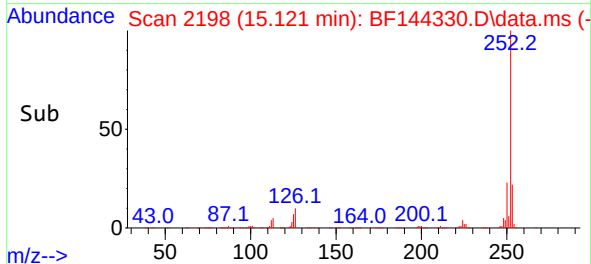
Instrument :
BNA_F
ClientSampleId :
V933MSD



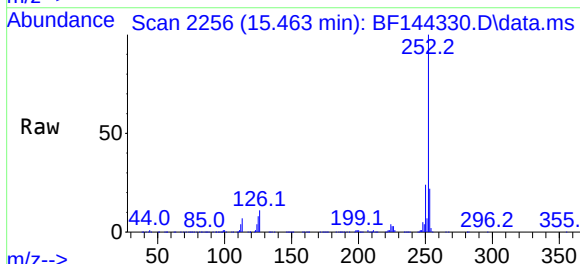
Tgt Ion:252 Resp: 457004
Ion Ratio Lower Upper
252 100
253 21.8 18.0 27.0
125 6.7 5.4 8.2

Manual Integrations
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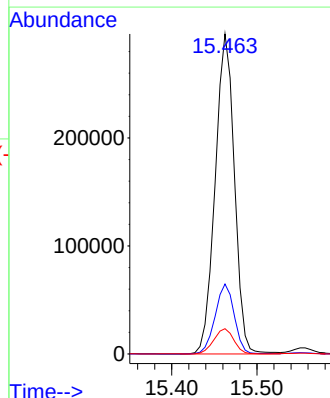
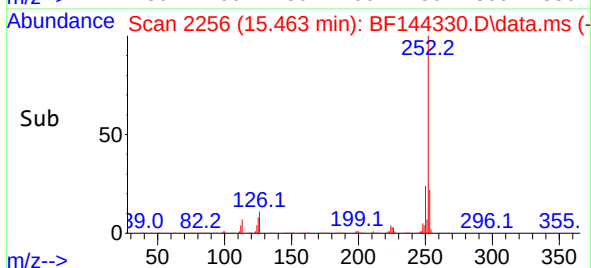
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

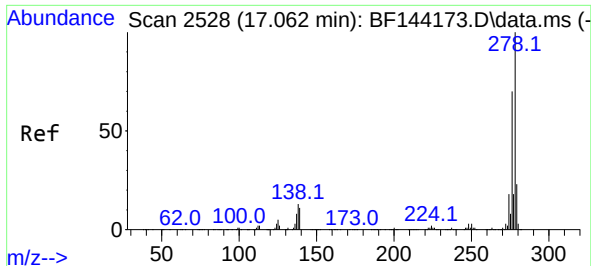


#90
Benzo(a)pyrene
Concen: 55.168 ng
RT: 15.463 min Scan# 2256
Delta R.T. -0.012 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



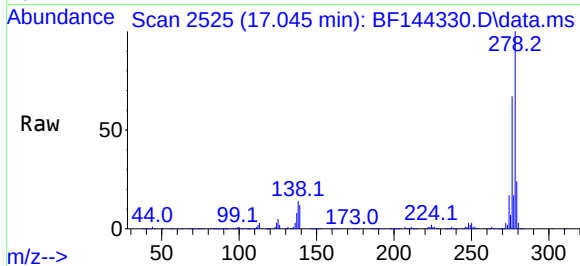
Tgt Ion:252 Resp: 465036
Ion Ratio Lower Upper
252 100
253 21.9 16.7 25.1
125 7.9 5.7 8.5





#91
Dibenzo(a,h)anthracene
Concen: 50.650 ng
RT: 17.045 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18

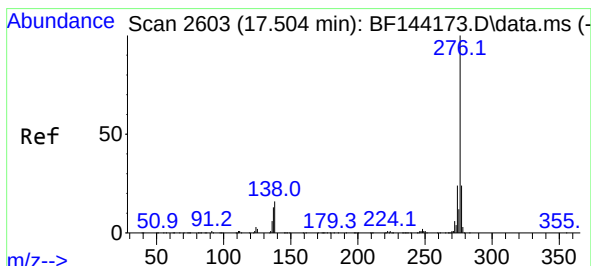
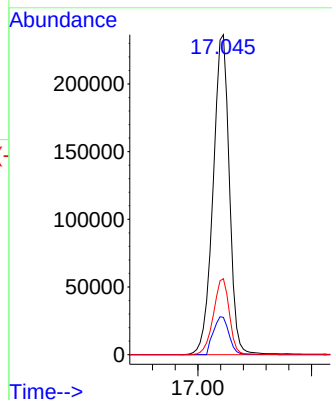
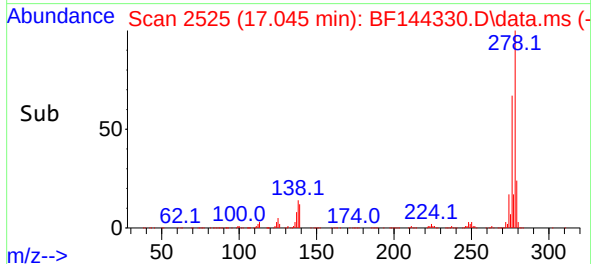
Instrument :
BNA_F
ClientSampleId :
V933MSD



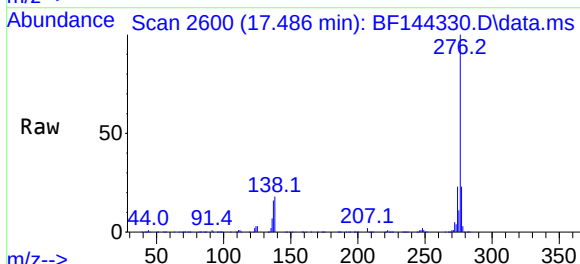
Tgt Ion:278 Resp: 46929
Ion Ratio Lower Upper
278 100
139 11.6 9.1 13.7
279 23.7 18.2 27.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#92
Benzo(g,h,i)perylene
Concen: 52.874 ng
RT: 17.486 min Scan# 2600
Delta R.T. -0.006 min
Lab File: BF144330.D
Acq: 24 Nov 2025 18:18



Tgt Ion:276 Resp: 483782
Ion Ratio Lower Upper
276 100
277 23.1 19.0 28.4
138 17.7 12.9 19.3

