

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141458.D
 Acq On : 05 Feb 2025 20:12
 Operator : RC/JU
 Sample : Q1280-02MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11984MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 06 01:46:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	66897	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	265780	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	144960	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	235411	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	131805	20.000	ng	-0.02
86) Perylene-d12	15.421	264	157079	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	616463	141.471	ng	0.01
7) Phenol-d6	6.434	99	742438	133.933	ng	0.00
23) Nitrobenzene-d5	7.357	82	545883	108.274	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	236824	178.204	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1022403	108.559	ng	-0.01
79) Terphenyl-d14	12.904	244	956863	111.958	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	75985	39.649	ng	# 81
3) Pyridine	3.340	79	173382	37.550	ng	96
4) n-Nitrosodimethylamine	3.263	42	128105	48.566	ng	87
6) Aniline	6.457	93	206584	44.025	ng	# 44
8) 2-Chlorophenol	6.581	128	225312	48.241	ng	96
9) Benzaldehyde	6.340	77	82749	25.771	ng	98
10) Phenol	6.451	94	252814	43.023	ng	# 63
11) bis(2-Chloroethyl)ether	6.528	93	210600	46.742	ng	99
12) 1,3-Dichlorobenzene	6.734	146	219925	42.706	ng	99
13) 1,4-Dichlorobenzene	6.810	146	224830	43.459	ng	100
14) 1,2-Dichlorobenzene	6.963	146	218757	45.157	ng	98
15) Benzyl Alcohol	6.934	79	207935	54.889	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.069	45	347556	44.361	ng	83
17) 2-Methylphenol	7.051	107	182501	48.078	ng	# 93
18) Hexachloroethane	7.304	117	85915	45.017	ng	95
19) n-Nitroso-di-n-propyla...	7.204	70	162744	49.408	ng	99
20) 3+4-Methylphenols	7.204	107	234351	50.282	ng	# 84
22) Acetophenone	7.198	105	359429	56.894	ng	# 98
24) Nitrobenzene	7.375	77	243385	46.583	ng	99
25) Isophorone	7.610	82	440036	50.492	ng	98
26) 2-Nitrophenol	7.692	139	120812	49.029	ng	96
27) 2,4-Dimethylphenol	7.734	122	198870m	63.408	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	261025	46.955	ng	99
29) 2,4-Dichlorophenol	7.939	162	194265	50.595	ng	100
30) 1,2,4-Trichlorobenzene	8.016	180	201296	45.907	ng	99
31) Naphthalene	8.092	128	662262	47.168	ng	100
32) Benzoic acid	7.857	122	120105m	41.657	ng	
33) 4-Chloroaniline	8.145	127	166513	34.973	ng	99
34) Hexachlorobutadiene	8.210	225	123025	47.842	ng	100
35) Caprolactam	8.510	113	59465m	47.422	ng	
36) 4-Chloro-3-methylphenol	8.633	107	220873	53.629	ng	94
37) 2-Methylnaphthalene	8.786	142	427764	47.935	ng	100
38) 1-Methylnaphthalene	8.886	142	417270	47.601	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	229559	55.665	ng	98
41) Hexachlorocyclopentadiene	8.939	237	238220	195.596	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	139338	51.621	ng	99

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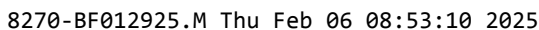
Quant Time: Feb 06 01:46:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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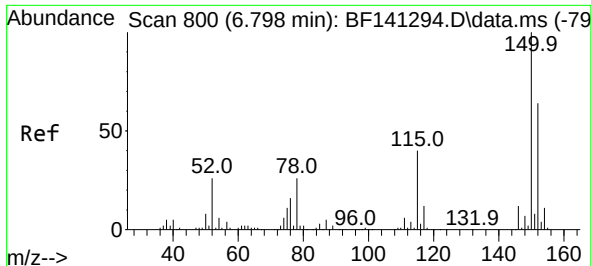
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	150956	51.383	ng	98
46) 1,1'-Biphenyl	9.251	154	630300	55.753	ng	99
47) 2-Chloronaphthalene	9.275	162	424646	48.191	ng	100
48) 2-Nitroaniline	9.375	65	149951	54.102	ng	97
49) Acenaphthylene	9.692	152	662981	53.749	ng	99
50) Dimethylphthalate	9.557	163	513623	52.461	ng	100
51) 2,6-Dinitrotoluene	9.616	165	111209	48.921	ng	95
52) Acenaphthene	9.863	154	500808m	56.832	ng	
53) 3-Nitroaniline	9.786	138	90378	40.564	ng	99
54) 2,4-Dinitrophenol	9.892	184	118727	112.353	ng	87
55) Dibenzofuran	10.033	168	611396	51.834	ng	96
56) 4-Nitrophenol	9.963	139	170592	104.693	ng	89
57) 2,4-Dinitrotoluene	10.022	165	153250	52.069	ng	92
58) Fluorene	10.380	166	484770	52.984	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	132394	57.282	ng	98
60) Diethylphthalate	10.257	149	496018	52.251	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	233993	52.356	ng	97
62) 4-Nitroaniline	10.398	138	114543	52.292	ng	88
63) Azobenzene	10.533	77	478121	50.316	ng	97
65) 4,6-Dinitro-2-methylph...	10.428	198	80370	57.718	ng	95
66) n-Nitrosodiphenylamine	10.492	169	419456	55.090	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	142635	54.121	ng	100
68) Hexachlorobenzene	10.927	284	150509	53.838	ng	98
69) Atrazine	11.022	200	159712	62.737	ng	99
70) Pentachlorophenol	11.127	266	186615	113.994	ng	99
71) Phenanthrene	11.339	178	702251	55.495	ng	100
72) Anthracene	11.392	178	718982	57.987	ng	100
73) Carbazole	11.551	167	611956	55.661	ng	99
74) Di-n-butylphthalate	11.880	149	723274	54.283	ng	99
75) Fluoranthene	12.527	202	648956	51.938	ng	98
77) Benzidine	12.657	184	28446	6.732	ng	99
78) Pyrene	12.757	202	644570	50.946	ng	99
80) Butylbenzylphthalate	13.380	149	234779	53.116	ng	97
81) Benzo(a)anthracene	13.951	228	479731	52.745	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	155933	53.905	ng	99
83) Chrysene	13.986	228	437901	52.534	ng	99
84) Bis(2-ethylhexyl)phtha...	13.939	149	276285	49.275	ng	98
85) Di-n-octyl phthalate	14.568	149	424802	48.778	ng	98
87) Indeno(1,2,3-cd)pyrene	16.868	276	538520	53.117	ng	95
88) Benzo(b)fluoranthene	15.004	252	497125	50.313	ng	98
89) Benzo(k)fluoranthene	15.033	252	481278	54.984	ng	98
90) Benzo(a)pyrene	15.362	252	485063	58.094	ng	97
91) Dibenzo(a,h)anthracene	16.886	278	442815	54.289	ng	98
92) Benzo(g,h,i)perylene	17.304	276	391677	46.182	ng #	94

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

Manual Integrations APPROVED

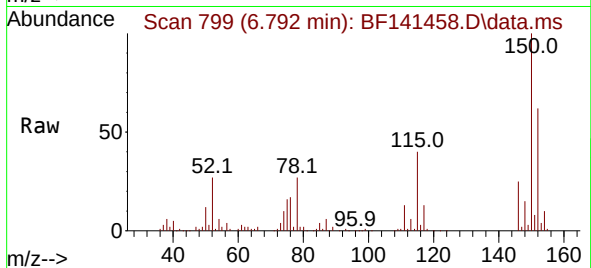
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

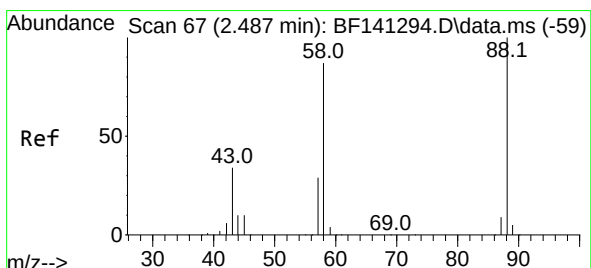
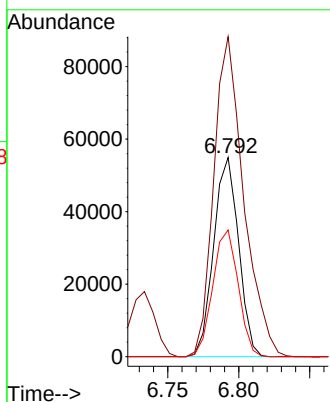
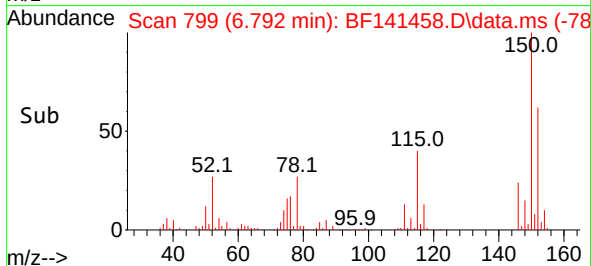
Instrument :
BNA_F
ClientSampleId :
72-11984MS



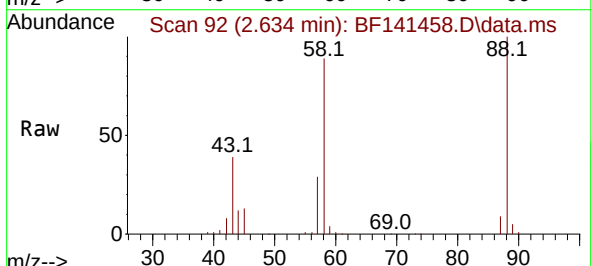
Tgt Ion:152 Resp: 6689
Ion Ratio Lower Upper
152 100
150 160.7 125.9 188.9
115 63.6 49.7 74.5

Manual Integrations
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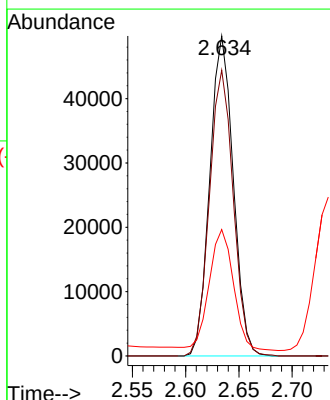
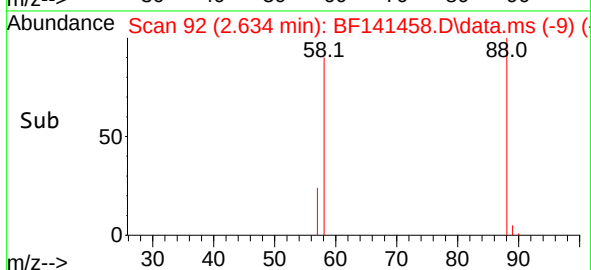
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

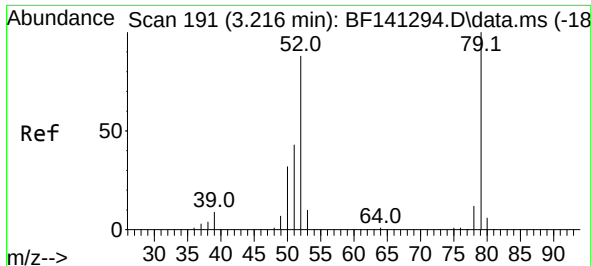


#2
1,4-Dioxane
Concen: 39.649 ng
RT: 2.634 min Scan# 92
Delta R.T. 0.141 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



Tgt Ion: 88 Resp: 75985
Ion Ratio Lower Upper
88 100
58 91.0 70.2 105.4
43 0.0 27.6 41.4#





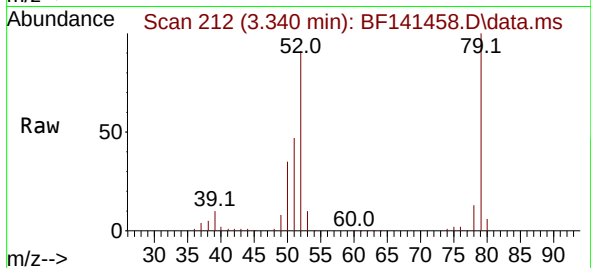
#3
Pyridine
Concen: 37.550 ng
RT: 3.340 min Scan# 211
Delta R.T. 0.112 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

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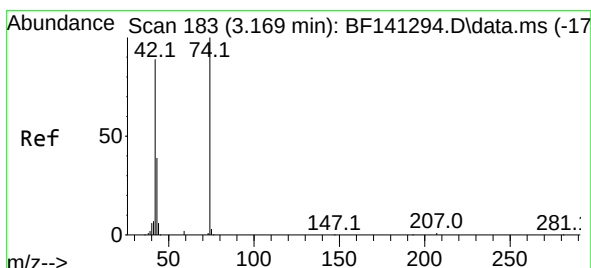
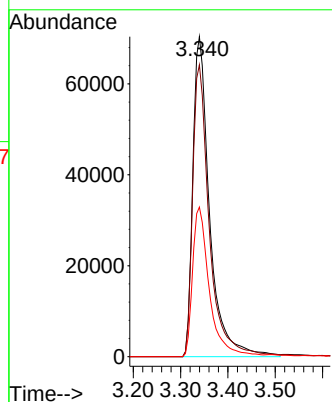
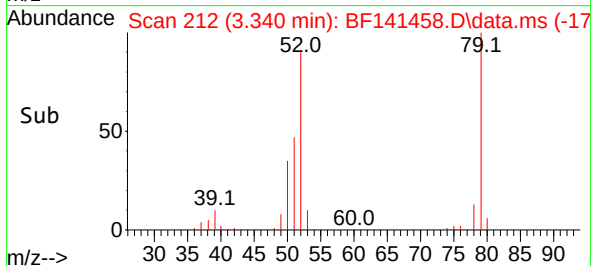


Tgt Ion: 79 Resp: 17338
Ion Ratio Lower Upper
79 100
52 91.2 70.3 105.5
51 46.7 34.3 51.5

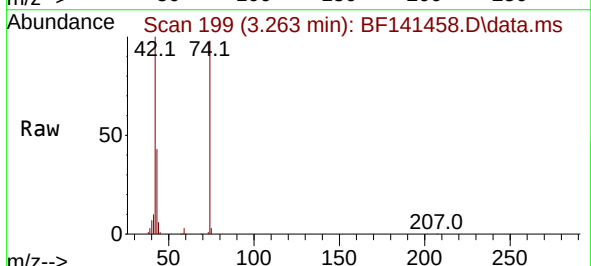
Manual Integrations

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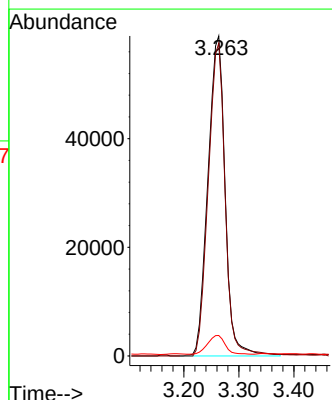
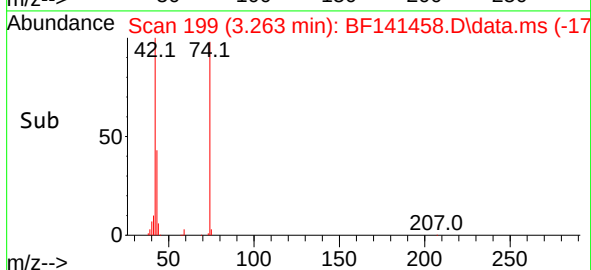
Reviewed By :Yogesh Patel 02/06/2025
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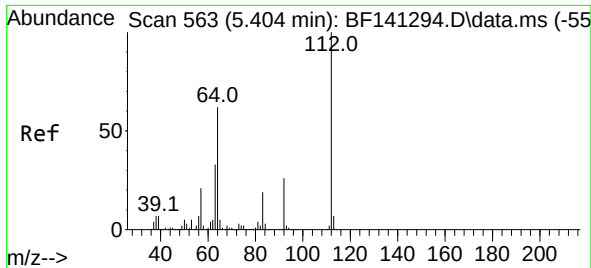


#4
n-Nitrosodimethylamine
Concen: 48.566 ng
RT: 3.263 min Scan# 199
Delta R.T. 0.065 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



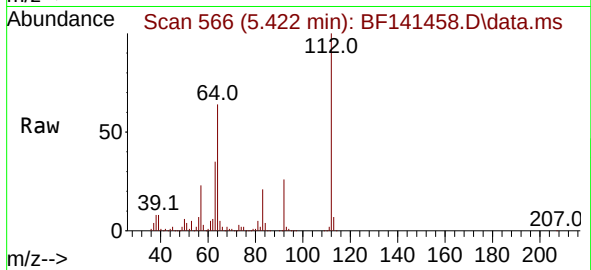
Tgt Ion: 42 Resp: 128105
Ion Ratio Lower Upper
42 100
74 97.7 90.3 135.5
44 6.4 5.7 8.5





#5
2-Fluorophenol
Concen: 141.471 ng
RT: 5.422 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

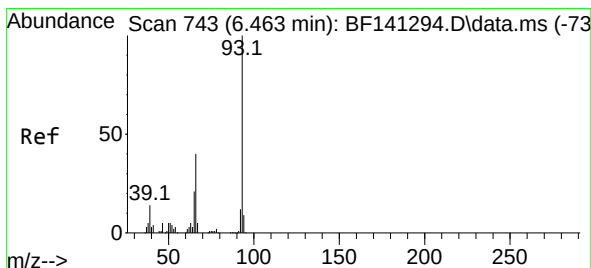
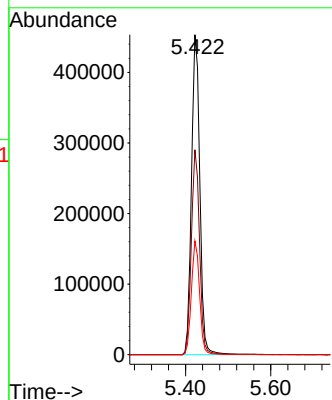
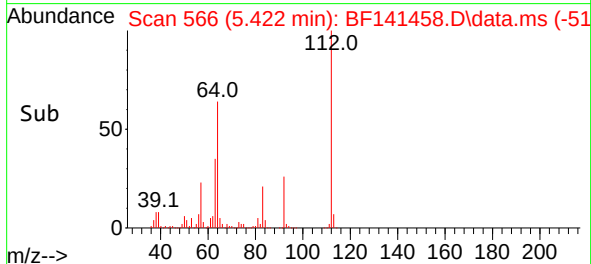
Instrument :
BNA_F
ClientSampleId :
72-11984MS



Tgt Ion:112 Resp: 61646
Ion Ratio Lower Upper
112 100
64 64.1 49.8 74.8
63 35.5 26.1 39.1

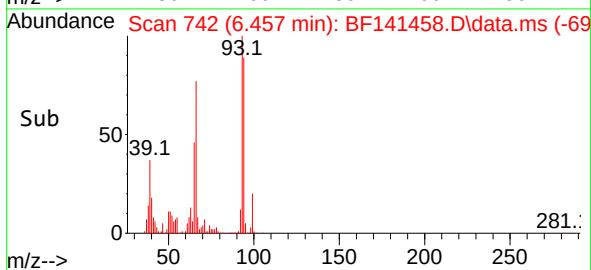
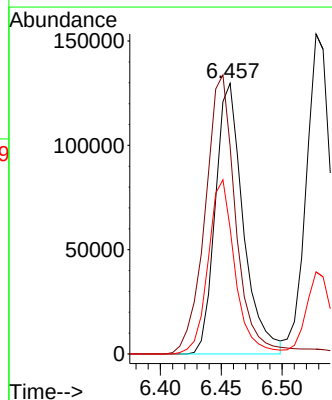
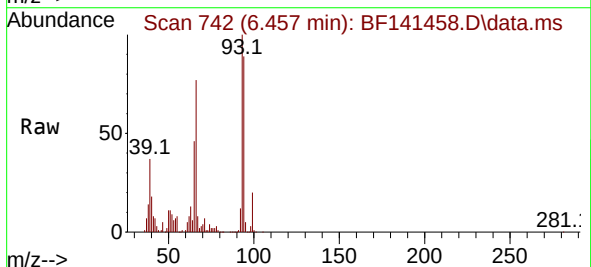
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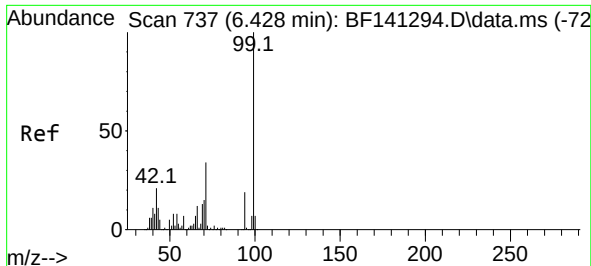
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#6
Aniline
Concen: 44.025 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

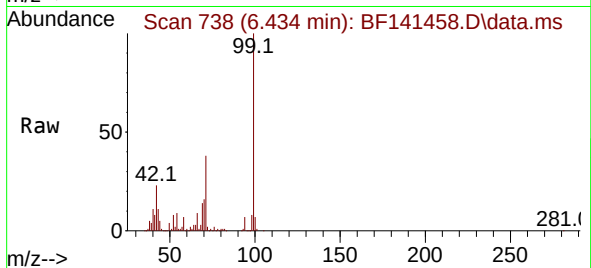
Tgt Ion: 93 Resp: 206584
Ion Ratio Lower Upper
93 100
66 76.7 32.5 48.7#
65 46.5 17.0 25.6#





#7
Phenol-d6
Concen: 133.933 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

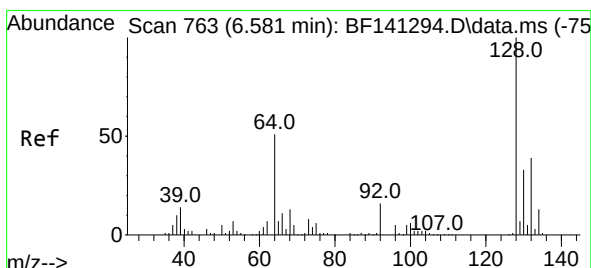
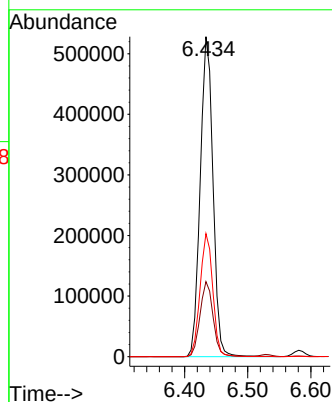
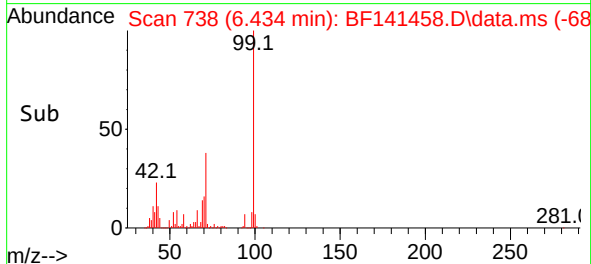
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Tgt Ion: 99 Resp: 742438
Ion Ratio Lower Upper
99 100
42 23.5 17.1 25.7
71 38.4 26.9 40.3

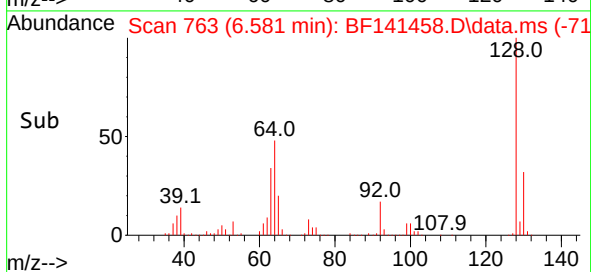
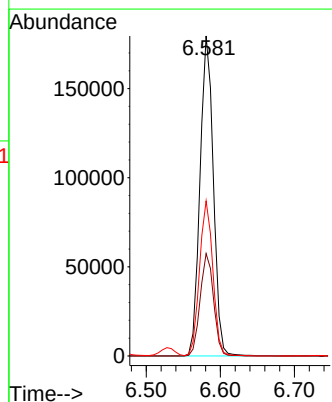
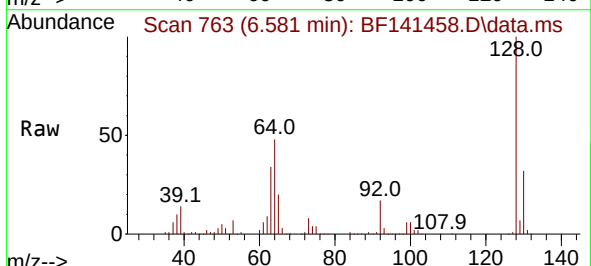
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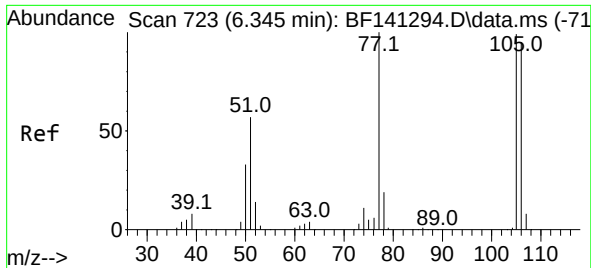
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#8
2-Chlorophenol
Concen: 48.241 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

Tgt Ion:128 Resp: 225312
Ion Ratio Lower Upper
128 100
130 32.0 12.5 52.5
64 48.4 32.9 72.9





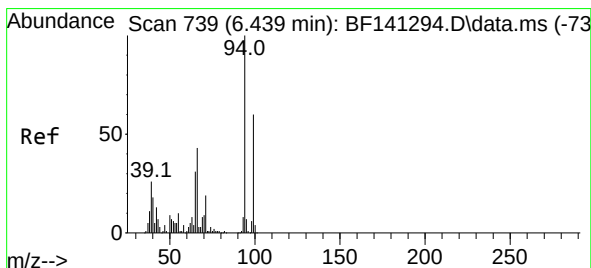
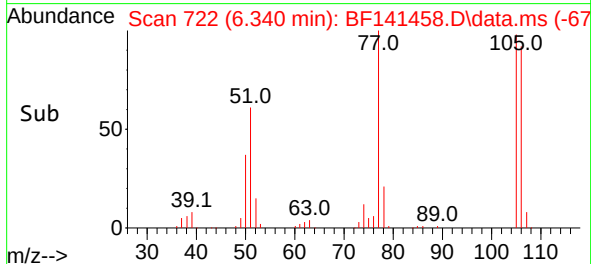
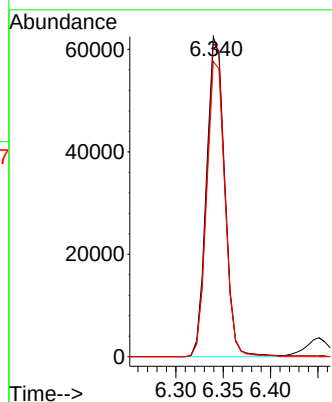
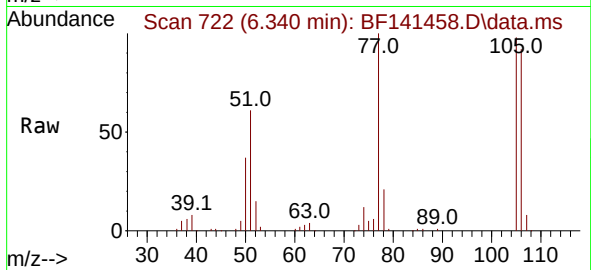
#9
Benzaldehyde
Concen: 25.771 ng
RT: 6.340 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

Instrument :
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Tgt Ion: 77 Resp: 82749
Ion Ratio Lower Upper
77 100
105 98.0 79.4 119.4
106 92.3 74.6 114.6

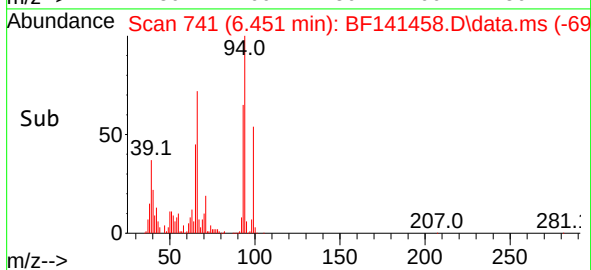
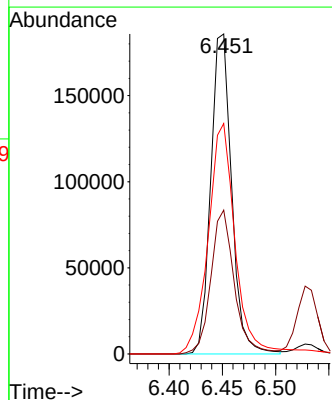
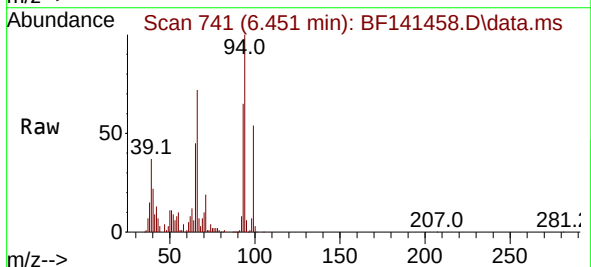
Manual Integrations
APPROVED

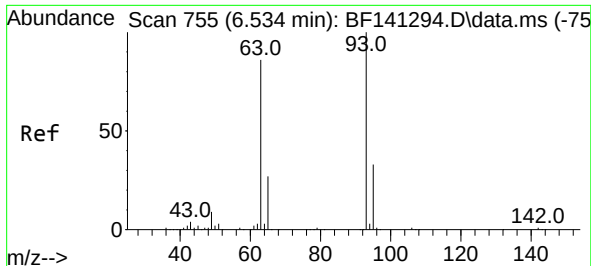
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#10
Phenol
Concen: 43.023 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

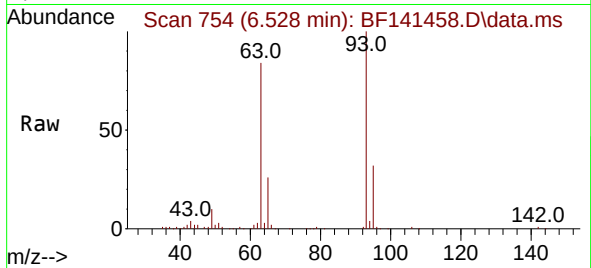
Tgt Ion: 94 Resp: 252814
Ion Ratio Lower Upper
94 100
65 44.9 10.8 50.8
66 72.0 23.3 63.3#





#11
bis(2-Chloroethyl)ether
Concen: 46.742 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.018 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

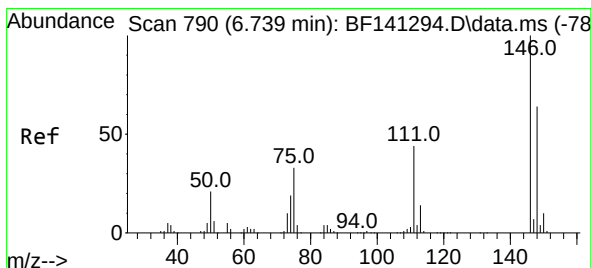
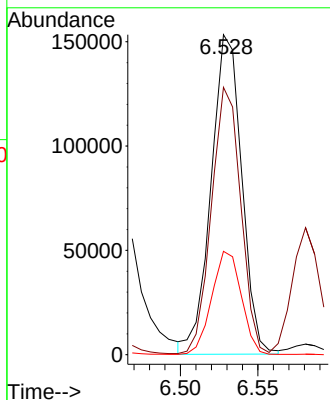
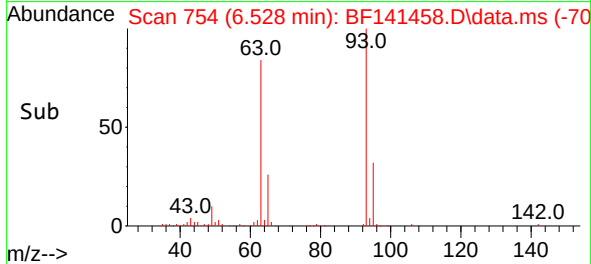
Instrument :
BNA_F
ClientSampleId :
72-11984MS



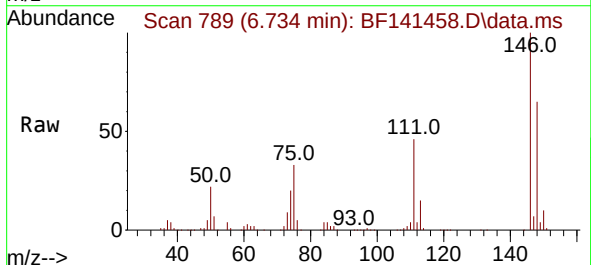
Tgt Ion: 93 Resp: 210600
Ion Ratio Lower Upper
93 100
63 83.5 65.0 105.0
95 32.3 12.4 52.4

Manual Integrations
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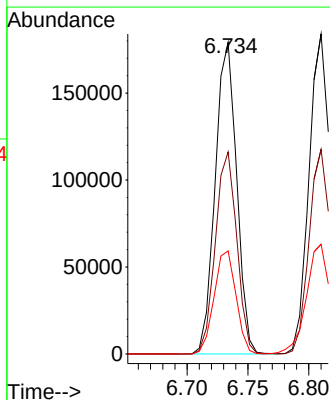
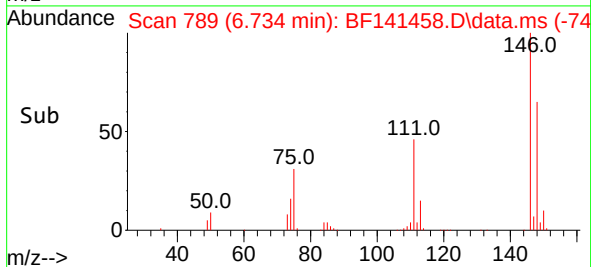
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

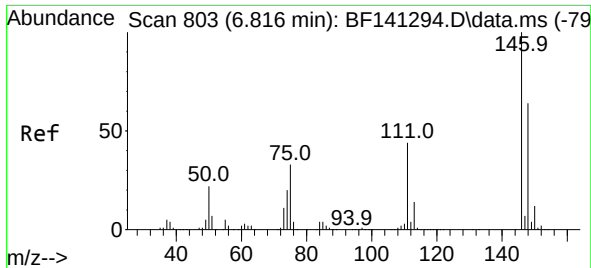


#12
1,3-Dichlorobenzene
Concen: 42.706 ng
RT: 6.734 min Scan# 789
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



Tgt Ion:146 Resp: 219925
Ion Ratio Lower Upper
146 100
148 64.8 51.2 76.8
75 33.1 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 43.459 ng

RT: 6.810 min Scan# 803

Delta R.T. -0.012 min

Lab File: BF141458.D

Acq: 05 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

72-11984MS

Tgt Ion:146 Resp: 224830

Ion Ratio Lower Upper

146 100

148 64.0 51.2 76.8

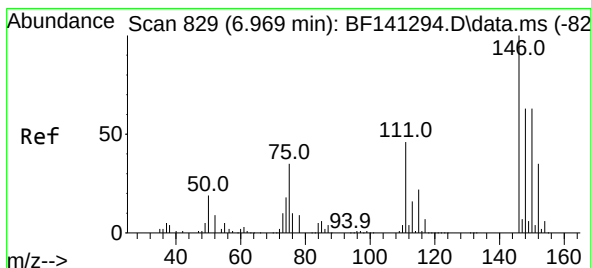
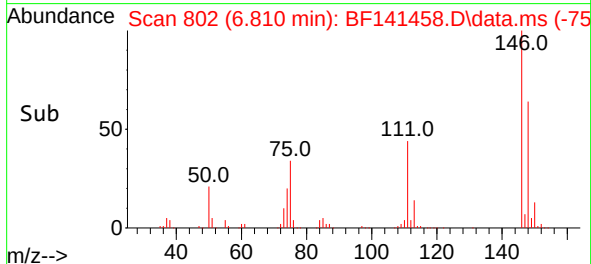
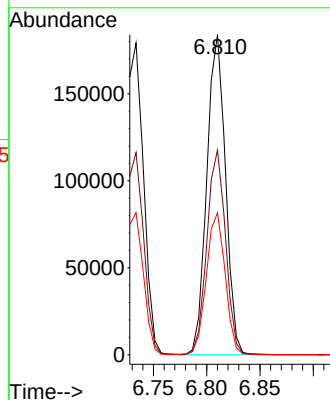
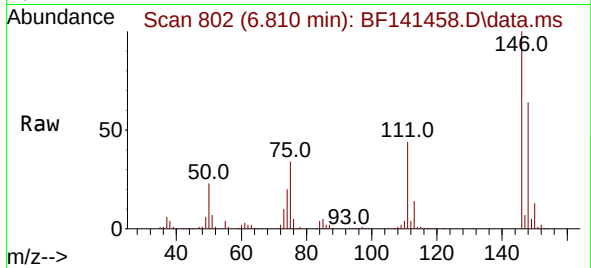
111 44.3 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#14

1,2-Dichlorobenzene

Concen: 45.157 ng

RT: 6.963 min Scan# 828

Delta R.T. -0.012 min

Lab File: BF141458.D

Acq: 05 Feb 2025 20:12

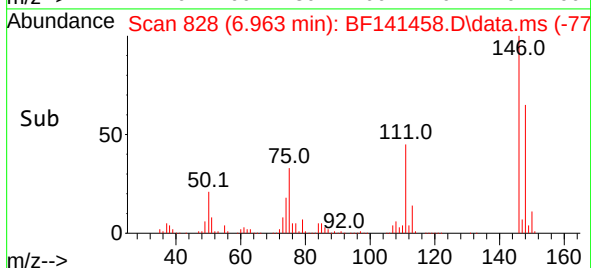
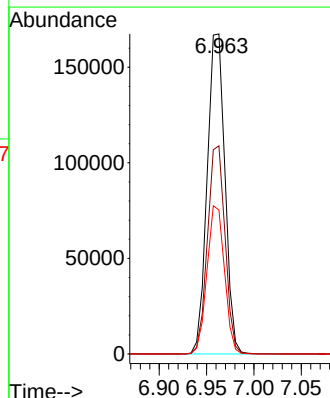
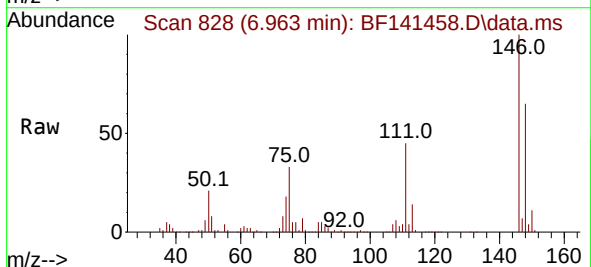
Tgt Ion:146 Resp: 218757

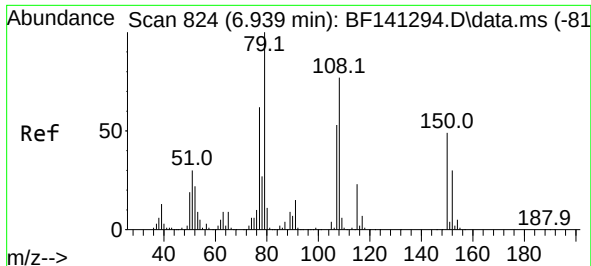
Ion Ratio Lower Upper

146 100

148 65.1 50.5 75.7

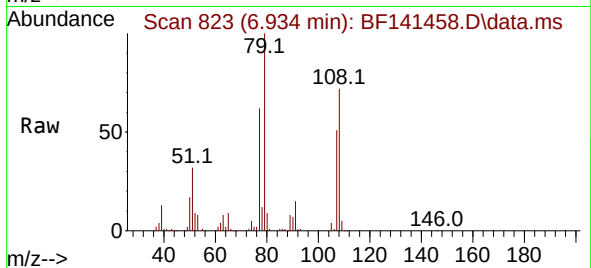
111 45.0 36.6 55.0





#15
Benzyl Alcohol
Concen: 54.889 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

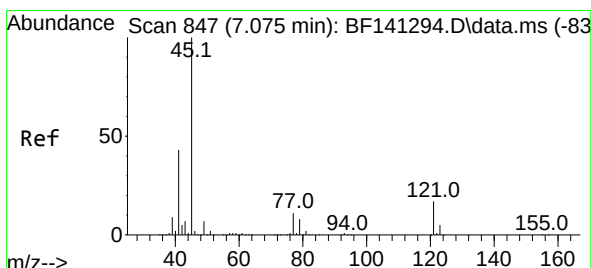
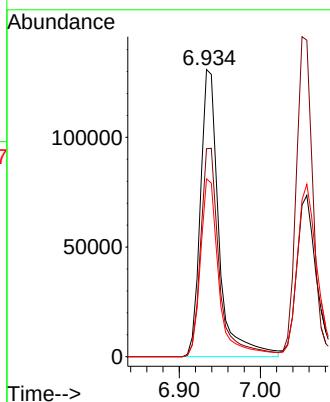
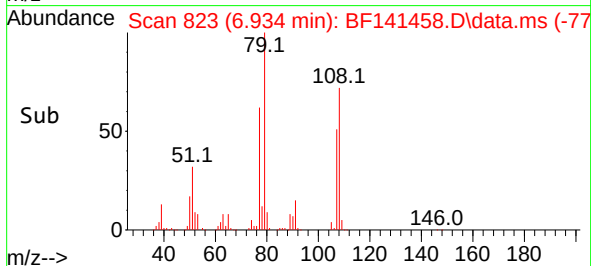
Instrument :
BNA_F
ClientSampleId :
72-11984MS



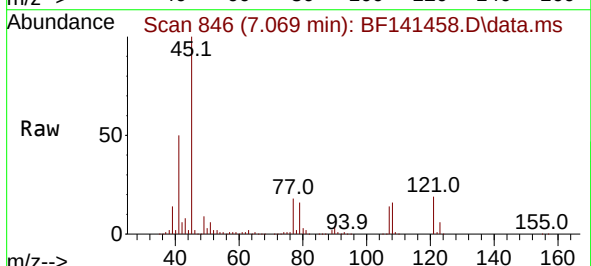
Tgt Ion: 79 Resp: 207935
Ion Ratio Lower Upper
79 100
108 72.4 61.4 92.0
77 61.9 49.9 74.9

Manual Integrations
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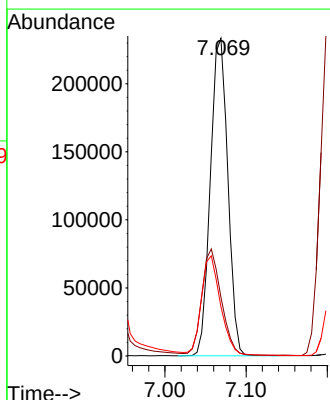
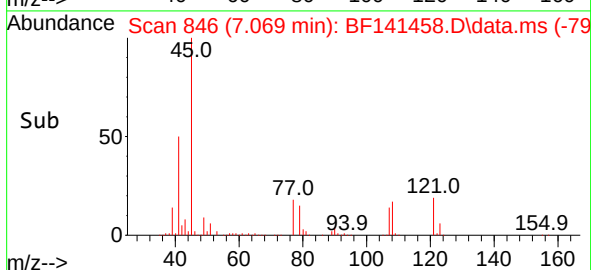
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

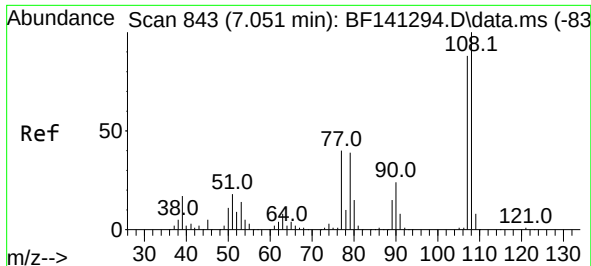


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.361 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



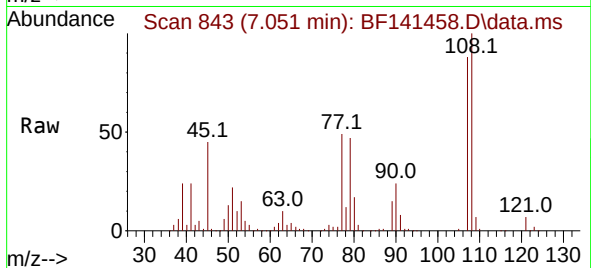
Tgt Ion: 45 Resp: 347556
Ion Ratio Lower Upper
45 100
77 18.5 0.0 31.8
79 15.5 0.0 29.1





#17
2-Methylphenol
Concen: 48.078 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

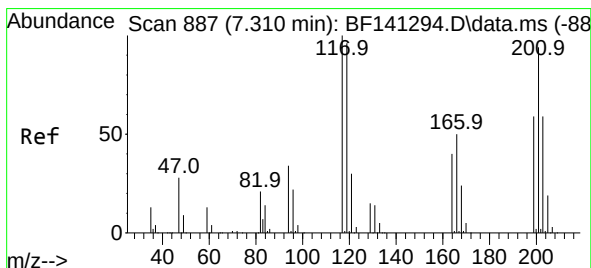
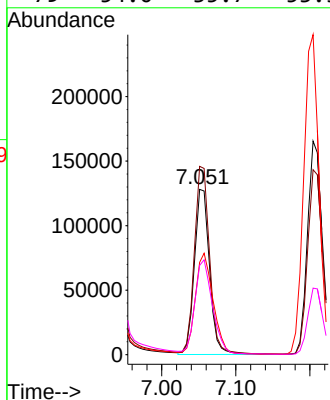
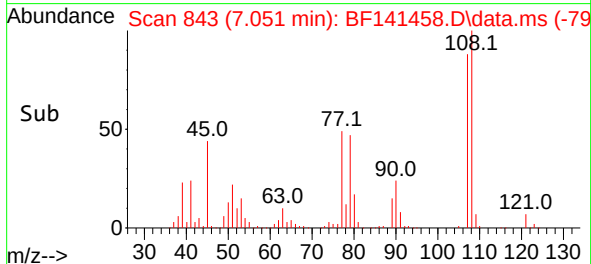
Instrument :
BNA_F
ClientSampleId :
72-11984MS



Tgt Ion:107 Resp: 18250
Ion Ratio Lower Upper
107 100
108 113.9 90.8 136.2
77 55.8 36.2 54.4
79 54.0 35.7 53.5#

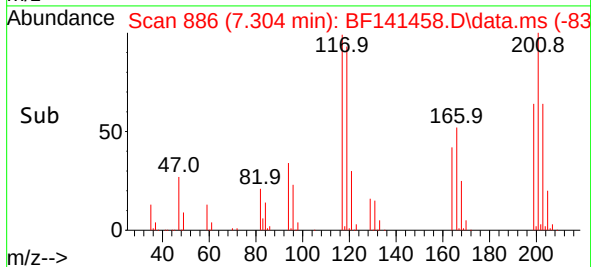
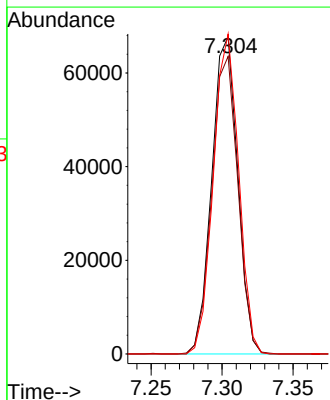
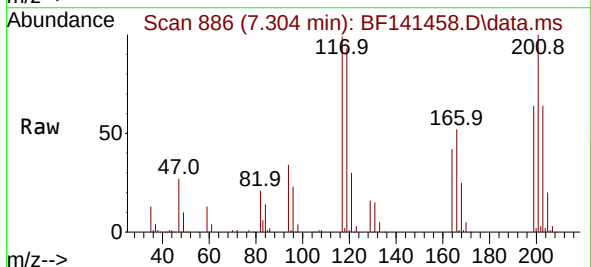
Manual Integrations
APPROVED

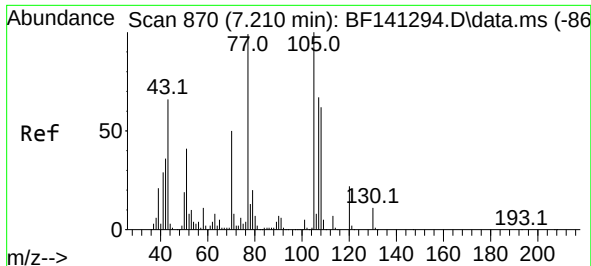
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#18
Hexachloroethane
Concen: 45.017 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

Tgt Ion:117 Resp: 85915
Ion Ratio Lower Upper
117 100
119 93.8 76.6 114.8
201 100.8 74.8 112.2





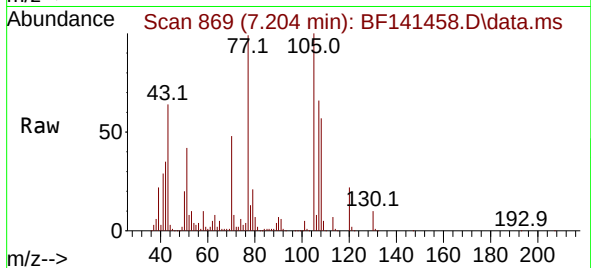
#19
n-Nitroso-di-n-propylamine
Concen: 49.408 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.024 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

72-11984MS

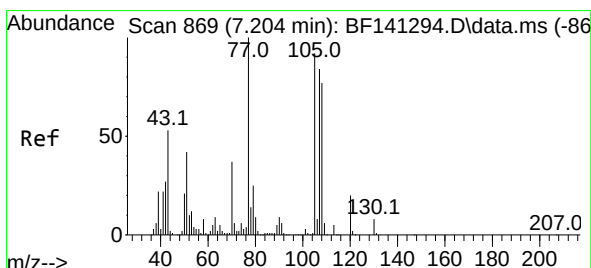
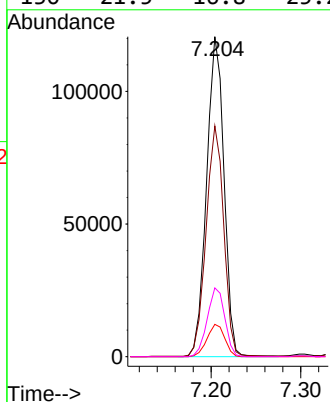
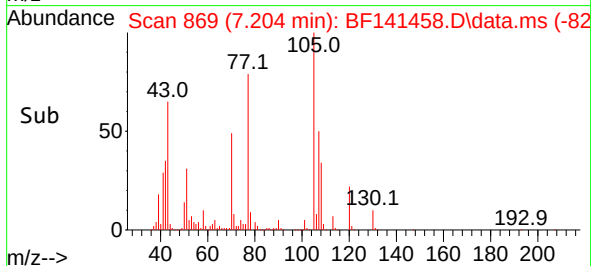


Tgt Ion: 70 Resp: 162744
Ion Ratio Lower Upper
70 100
42 72.1 56.8 85.2
101 10.1 7.7 11.5
130 21.5 16.8 25.2

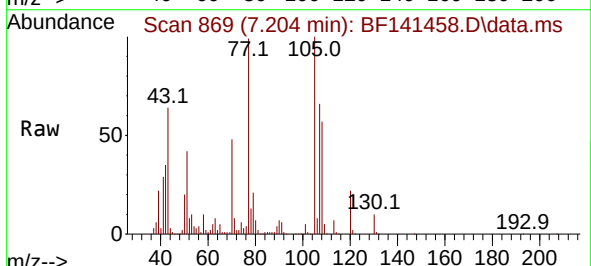
Manual Integrations

APPROVED

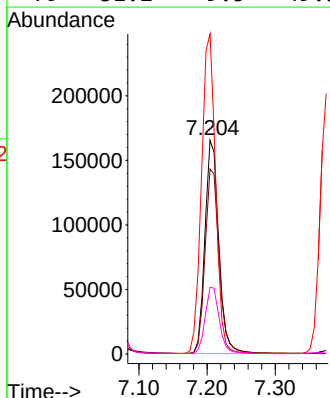
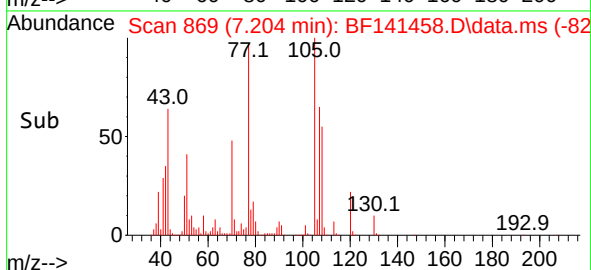
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

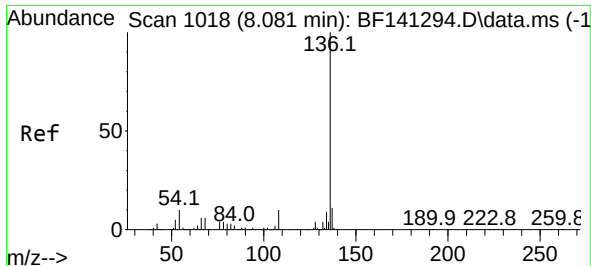


#20
3+4-Methylphenols
Concen: 50.282 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



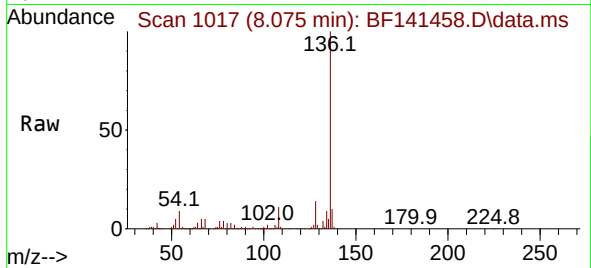
Tgt Ion:107 Resp: 234351
Ion Ratio Lower Upper
107 100
108 86.6 70.9 110.9
77 149.8 98.5 138.5#
79 31.2 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

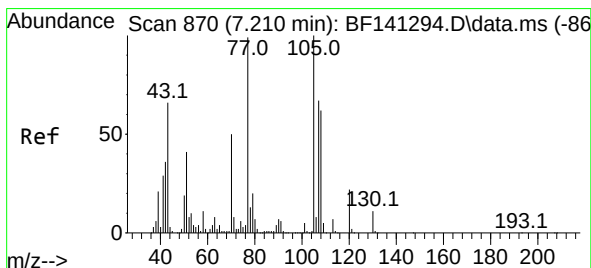
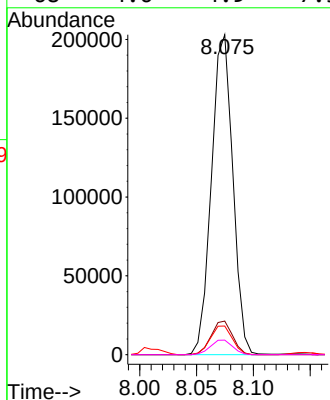
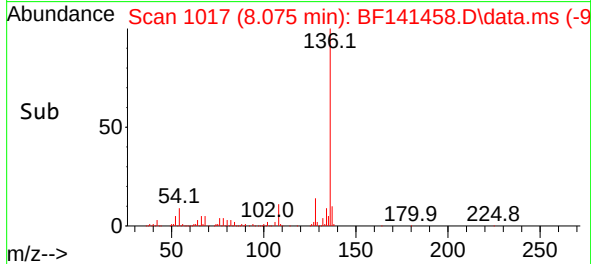
Instrument :
BNA_F
ClientSampleId :
72-11984MS



Tgt Ion:136 Resp: 265780
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.9 7.8 11.8
68 4.6 4.9 7.3#

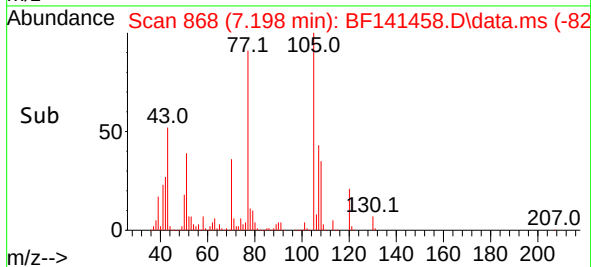
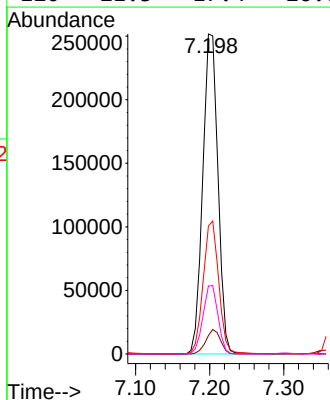
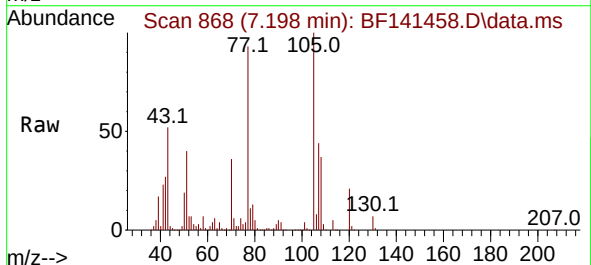
Manual Integrations
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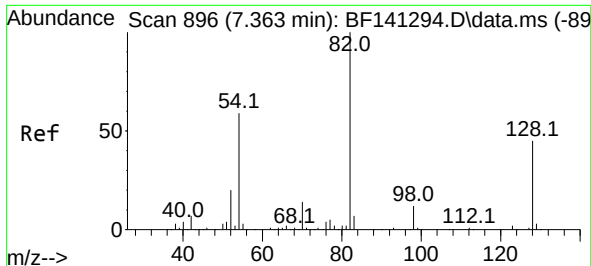
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#22
Acetophenone
Concen: 56.894 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

Tgt Ion:105 Resp: 359429
Ion Ratio Lower Upper
105 100
71 5.8 6.8 10.2#
51 40.0 32.6 49.0
120 21.3 17.4 26.0





#23

Nitrobenzene-d5

Concen: 108.274 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF141458.D

Acq: 05 Feb 2025 20:12

Instrument :

BNA_F

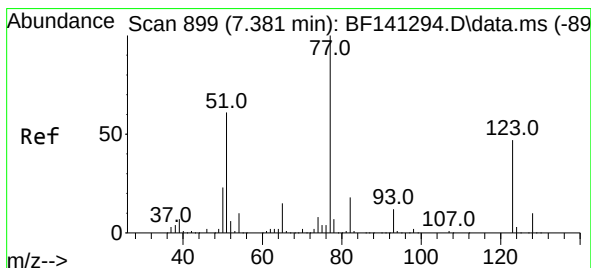
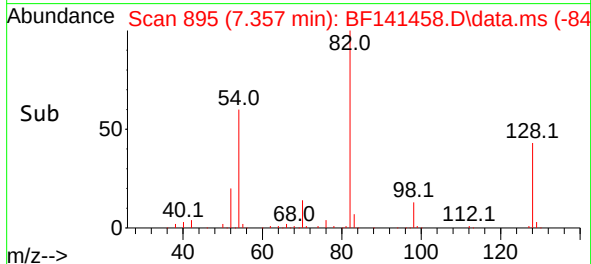
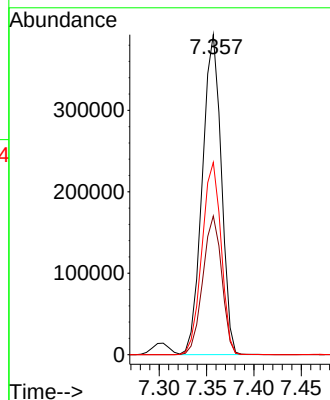
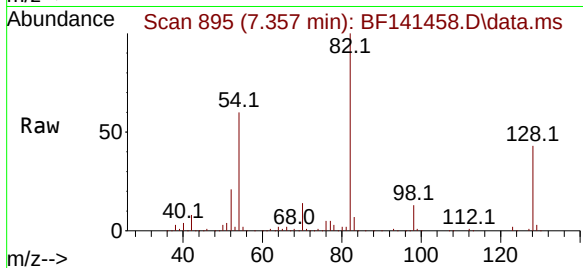
ClientSampleId :

72-11984MS

Tgt Ion: 82 Resp: 54588
 Ion Ratio Lower Upper
 82 100
 128 43.3 35.7 53.5
 54 60.1 47.1 70.7

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#24

Nitrobenzene

Concen: 46.583 ng

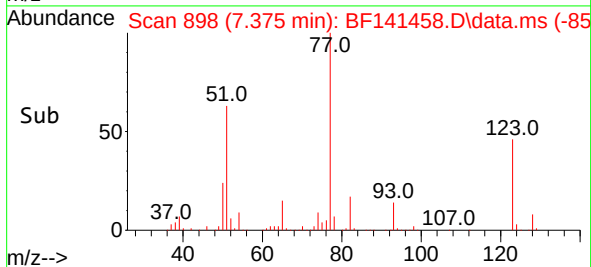
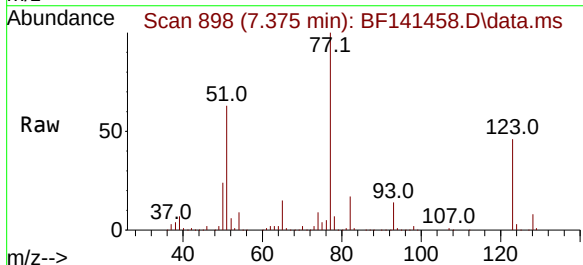
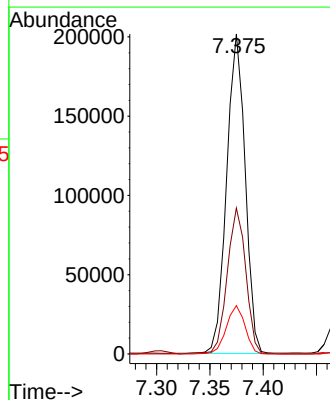
RT: 7.375 min Scan# 898

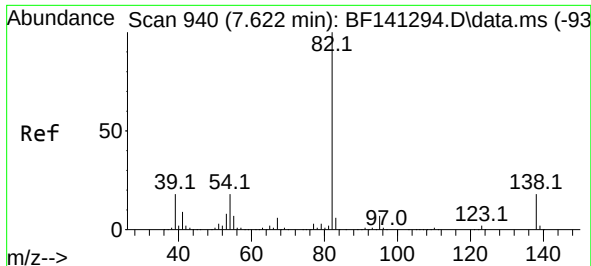
Delta R.T. -0.018 min

Lab File: BF141458.D

Acq: 05 Feb 2025 20:12

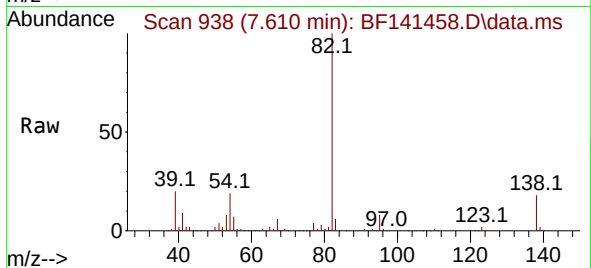
Tgt Ion: 77 Resp: 243385
 Ion Ratio Lower Upper
 77 100
 123 45.6 37.3 55.9
 65 15.1 11.8 17.6





#25
Isophorone
Concen: 50.492 ng
RT: 7.610 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

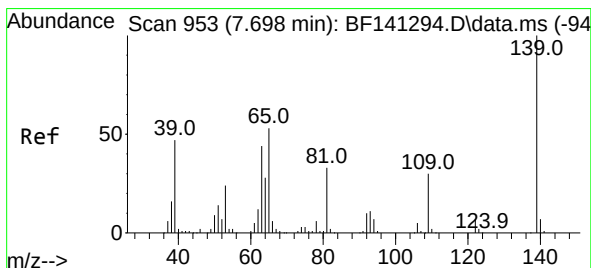
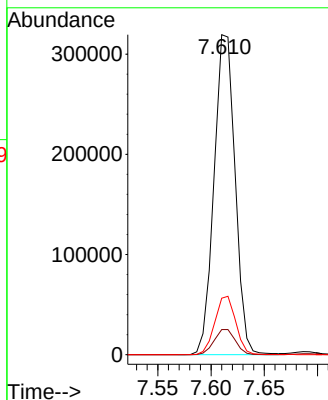
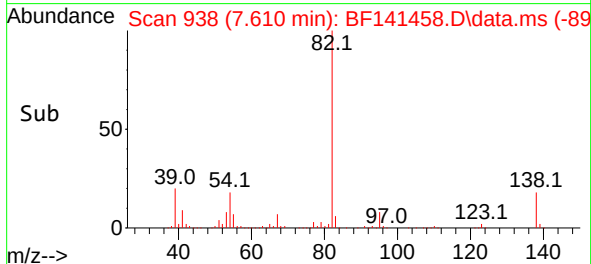
Instrument :
BNA_F
ClientSampleId :
72-11984MS



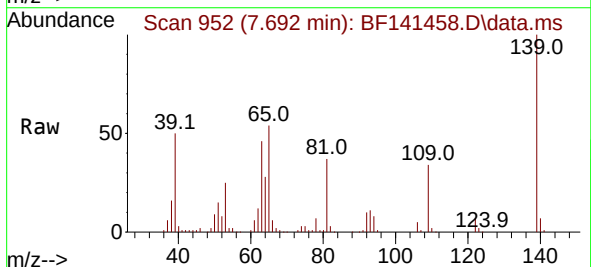
Tgt Ion: 82 Resp: 440030
Ion Ratio Lower Upper
82 100
95 7.9 5.8 8.6
138 17.7 14.7 22.1

Manual Integrations
APPROVED

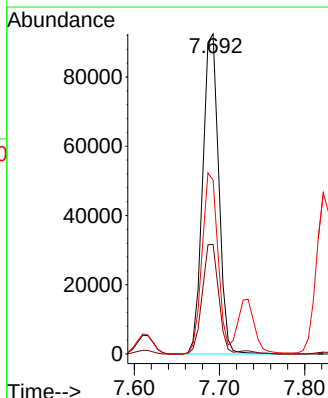
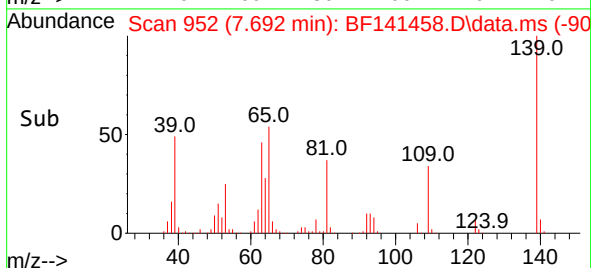
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

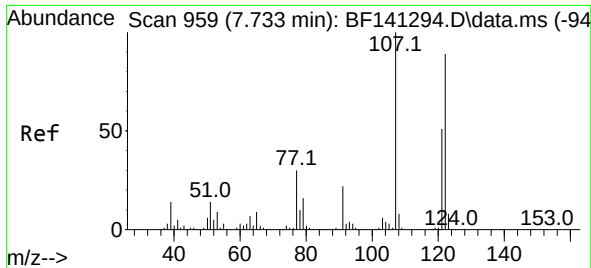


#26
2-Nitrophenol
Concen: 49.029 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



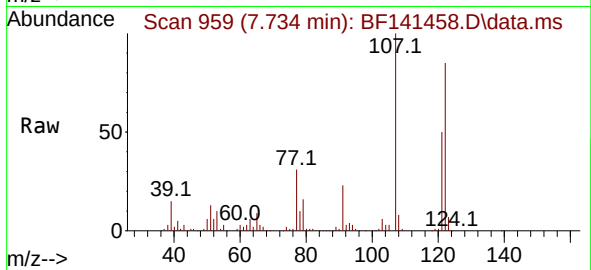
Tgt Ion:139 Resp: 120812
Ion Ratio Lower Upper
139 100
109 34.2 23.8 35.6
65 54.3 42.2 63.4





#27
2,4-Dimethylphenol
Concen: 63.408 ng m
RT: 7.734 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

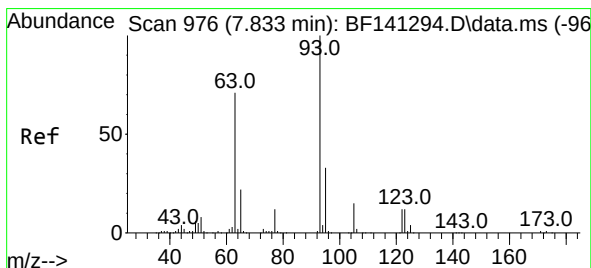
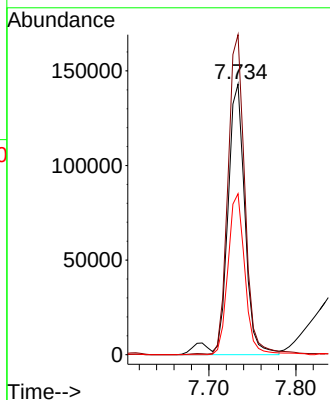
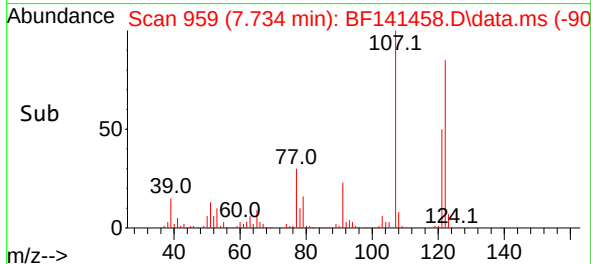
Instrument :
BNA_F
ClientSampleId :
72-11984MS



Tgt Ion:122 Resp: 198870
Ion Ratio Lower Upper
122 100
107 118.3 89.9 134.9
121 59.5 46.1 69.1

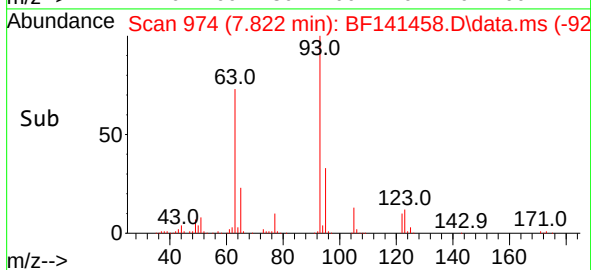
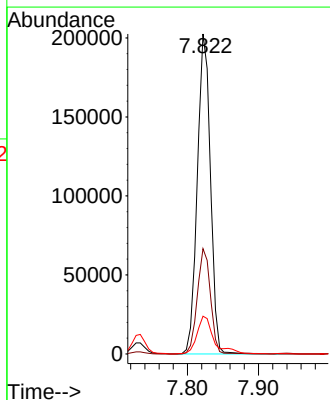
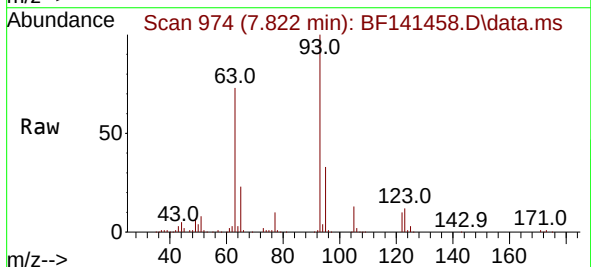
Manual Integrations
APPROVED

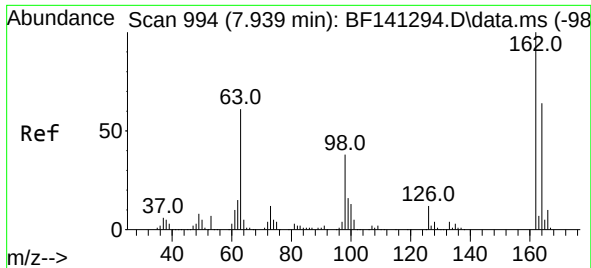
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#28
bis(2-Chloroethoxy)methane
Concen: 46.955 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.018 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

Tgt Ion: 93 Resp: 261025
Ion Ratio Lower Upper
93 100
95 32.9 26.2 39.2
123 11.8 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 50.595 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141458.D

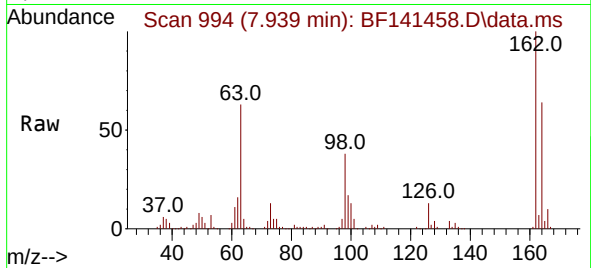
Acq: 05 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

72-11984MS



Tgt Ion:162 Resp: 19426

Ion Ratio Lower Upper

162 100

164 64.2 44.2 84.2

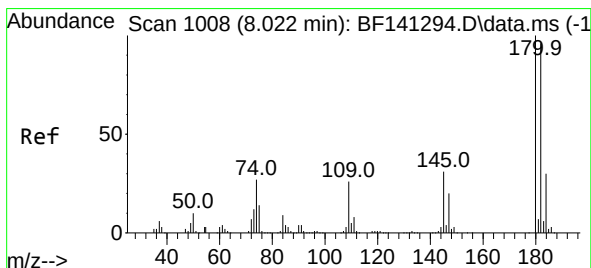
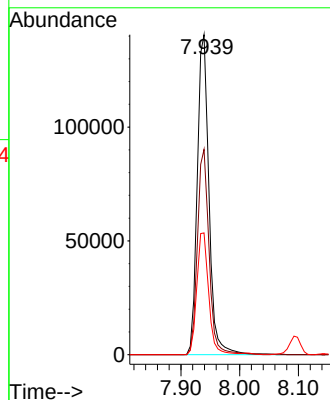
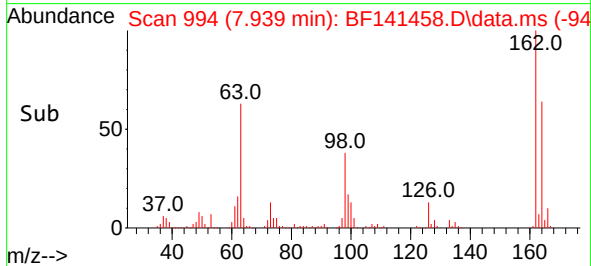
98 38.1 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#30

1,2,4-Trichlorobenzene

Concen: 45.907 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BF141458.D

Acq: 05 Feb 2025 20:12

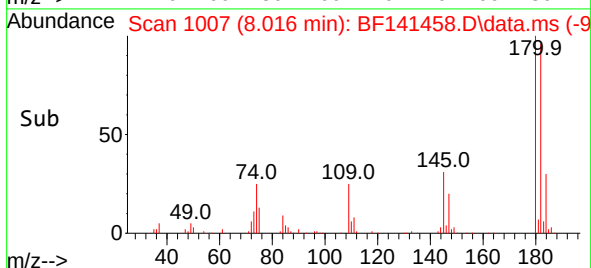
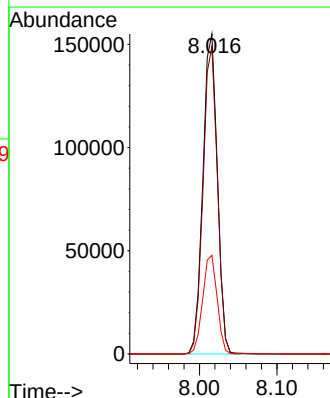
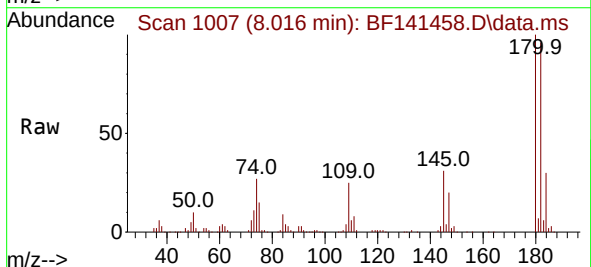
Tgt Ion:180 Resp: 201296

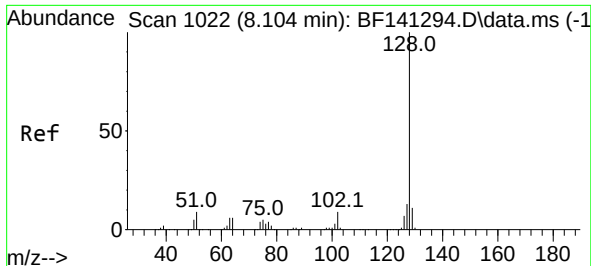
Ion Ratio Lower Upper

180 100

182 96.1 76.4 114.6

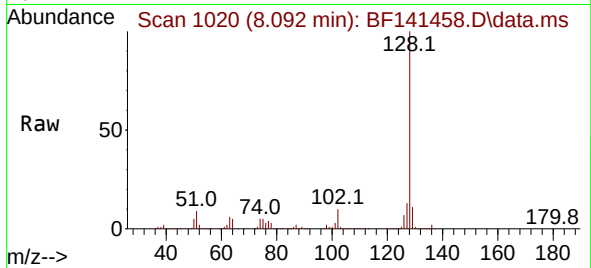
145 30.9 24.9 37.3





#31
Naphthalene
Concen: 47.168 ng
RT: 8.092 min Scan# 1022
Delta R.T. -0.018 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

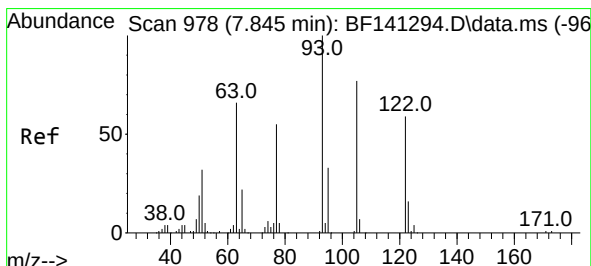
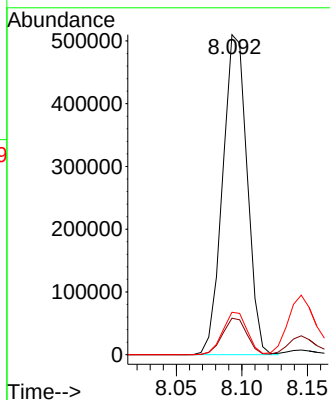
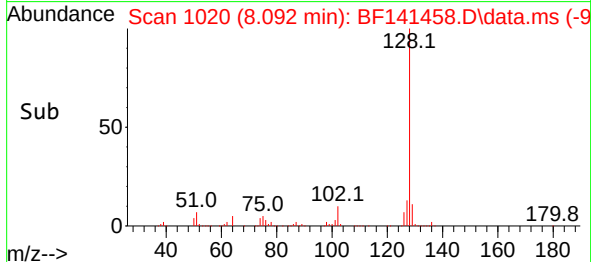
Instrument :
BNA_F
ClientSampleId :
72-11984MS



Tgt Ion:128 Resp: 66226
Ion Ratio Lower Upper
128 100
129 11.4 8.9 13.3
127 13.3 10.6 15.8

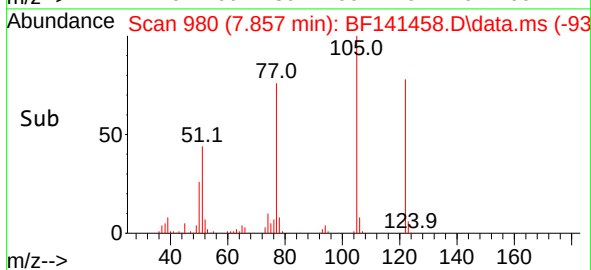
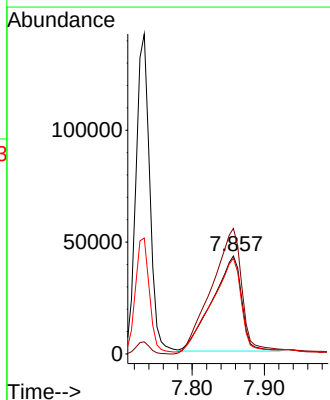
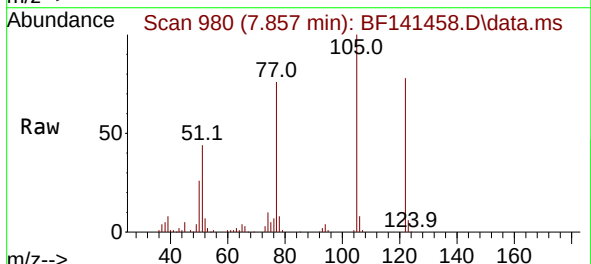
Manual Integrations
APPROVED

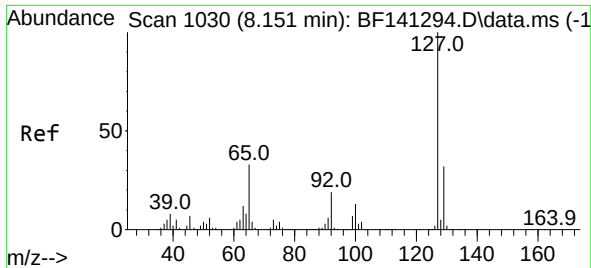
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#32
Benzoic acid
Concen: 41.657 ng m
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

Tgt Ion:122 Resp: 120105
Ion Ratio Lower Upper
122 100
105 128.2 103.4 143.4
77 97.7 70.9 110.9





#33
4-Chloroaniline
Concen: 34.973 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

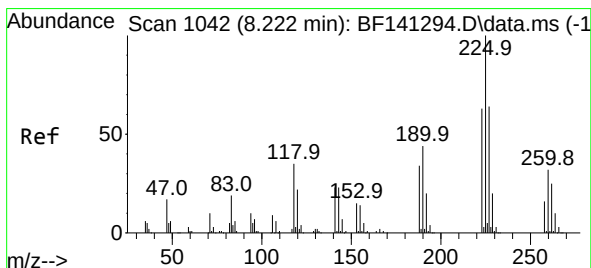
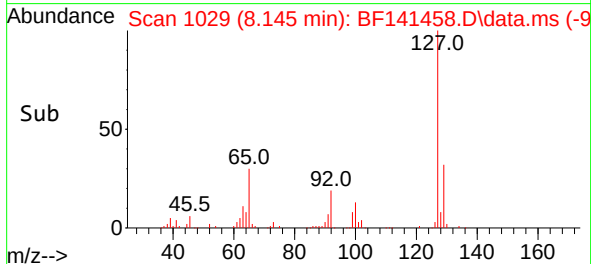
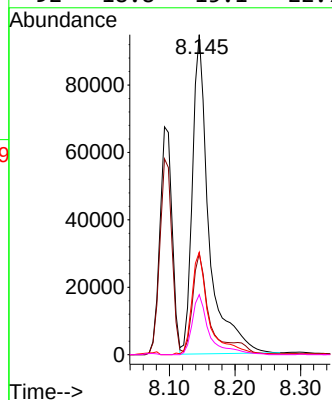
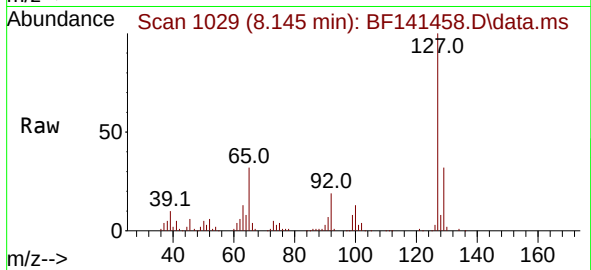
72-11984MS

Tgt Ion:127 Resp: 16651
Ion Ratio Lower Upper
127 100
129 31.6 25.7 38.5
65 32.0 26.4 39.6
92 18.8 15.1 22.7

Manual Integrations

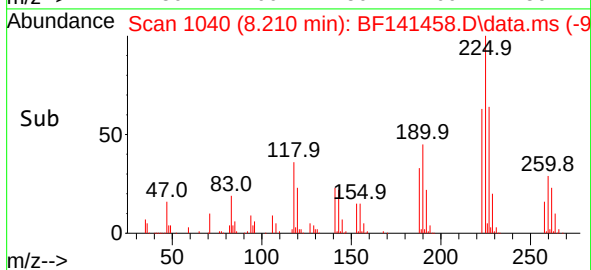
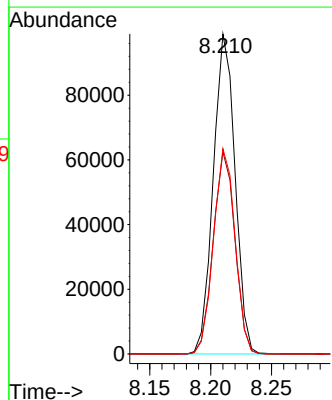
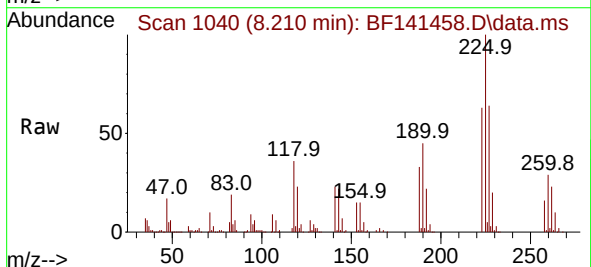
APPROVED

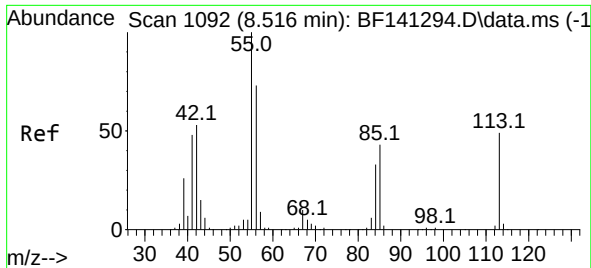
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#34
Hexachlorobutadiene
Concen: 47.842 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

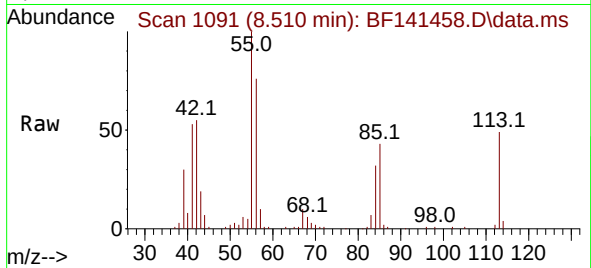
Tgt Ion:225 Resp: 123025
Ion Ratio Lower Upper
225 100
223 63.2 50.4 75.6
227 64.2 51.3 76.9





#35
Caprolactam
Concen: 47.422 ng m
RT: 8.510 min Scan# 1091
Delta R.T. -0.035 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

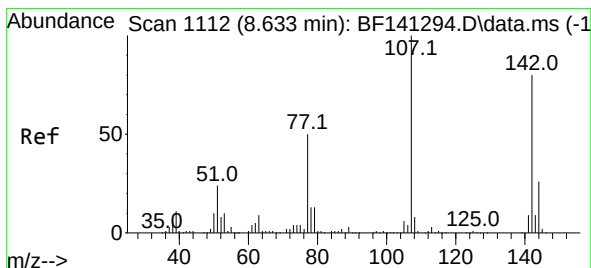
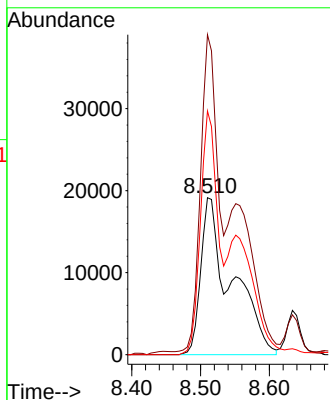
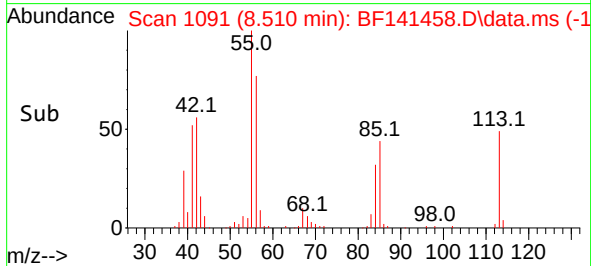
Instrument :
BNA_F
ClientSampleId :
72-11984MS



Tgt Ion:113 Resp: 5946
Ion Ratio Lower Upper
113 100
55 203.9 182.9 222.9
56 155.3 127.9 167.9

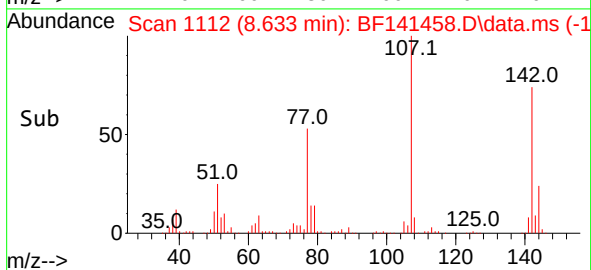
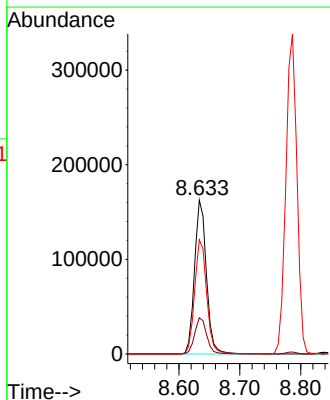
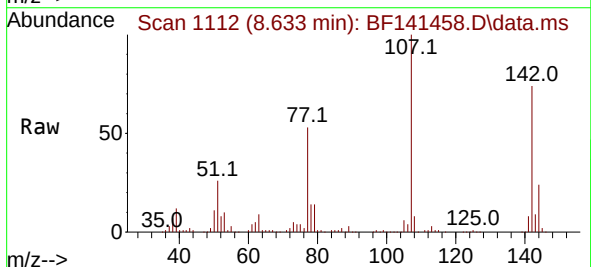
Manual Integrations
APPROVED

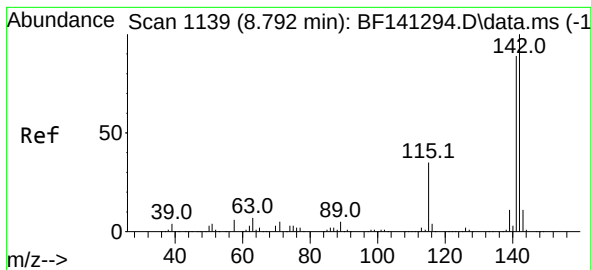
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#36
4-Chloro-3-methylphenol
Concen: 53.629 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

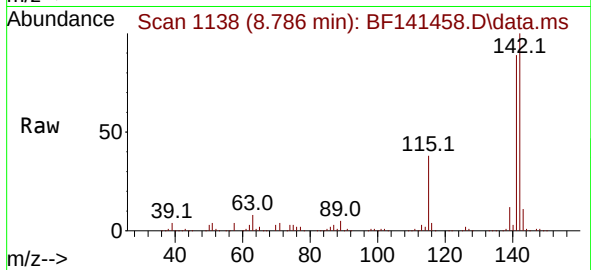
Tgt Ion:107 Resp: 220873
Ion Ratio Lower Upper
107 100
144 23.5 20.7 31.1
142 74.2 63.8 95.8





#37
2-Methylnaphthalene
Concen: 47.935 ng
RT: 8.786 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

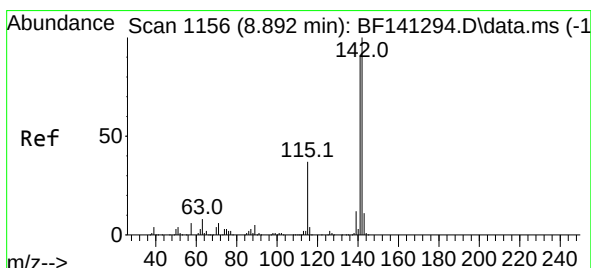
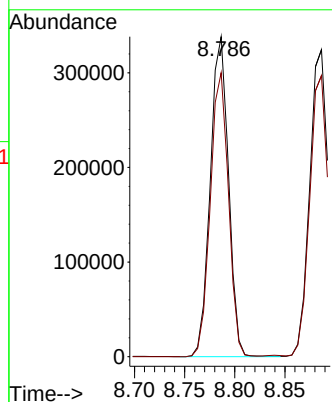
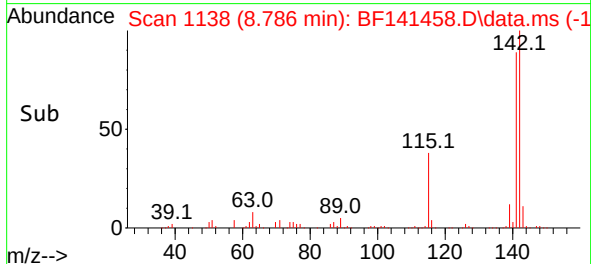
Instrument :
BNA_F
ClientSampleId :
72-11984MS



Tgt Ion:142 Resp: 427764
Ion Ratio Lower Upper
142 100
141 88.8 71.3 106.9

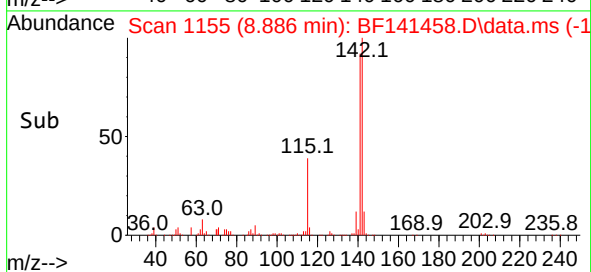
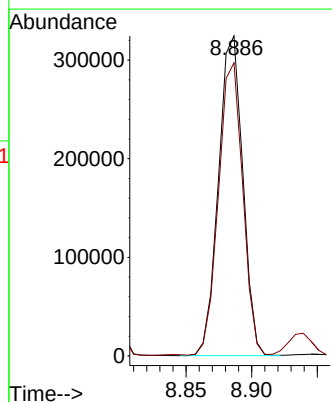
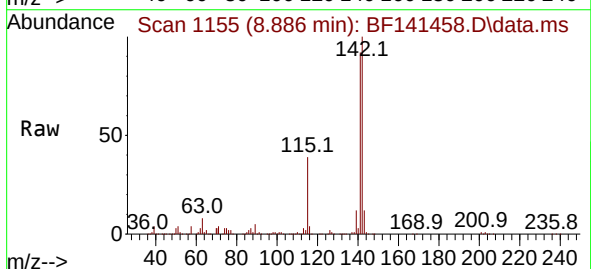
Manual Integrations
APPROVED

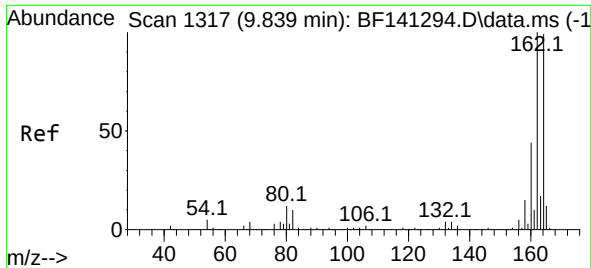
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#38
1-Methylnaphthalene
Concen: 47.601 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

Tgt Ion:142 Resp: 417270
Ion Ratio Lower Upper
142 100
141 91.6 73.2 109.8





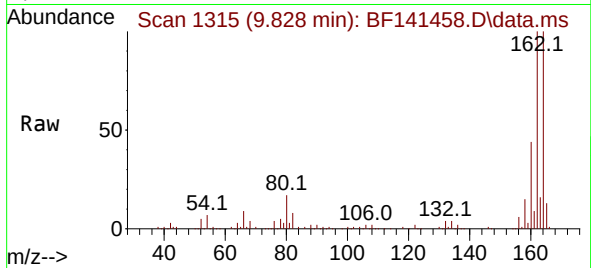
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1165
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

72-11984MS



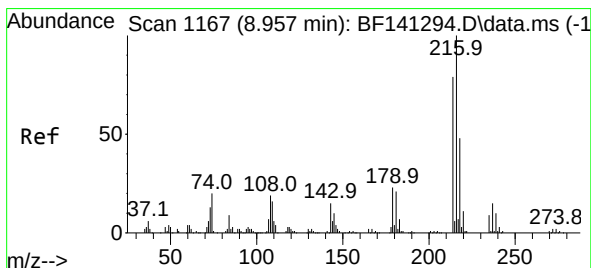
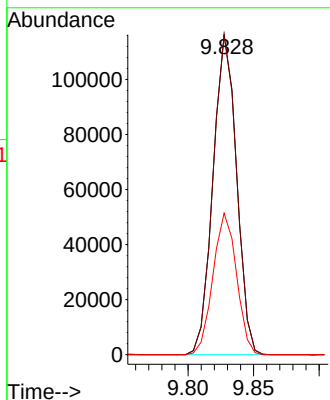
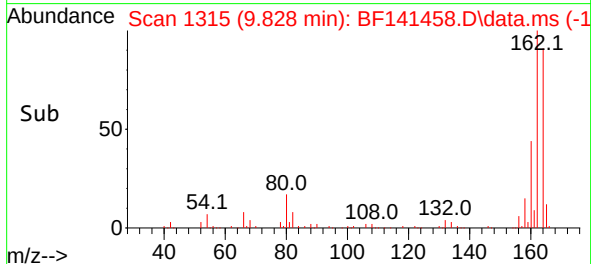
Tgt Ion:164 Resp: 144960
Ion Ratio Lower Upper
164 100
162 99.9 80.6 121.0
160 44.3 35.8 53.6

Manual Integrations

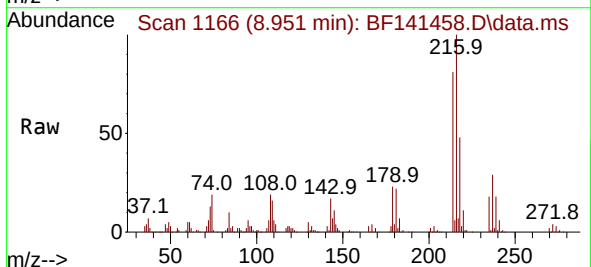
APPROVED

Reviewed By :Yogesh Patel 02/06/2025

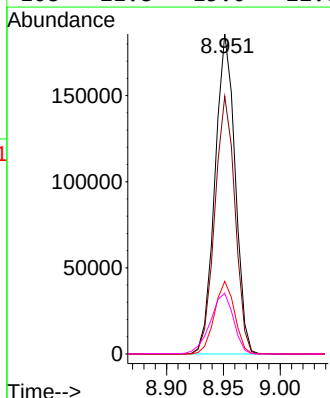
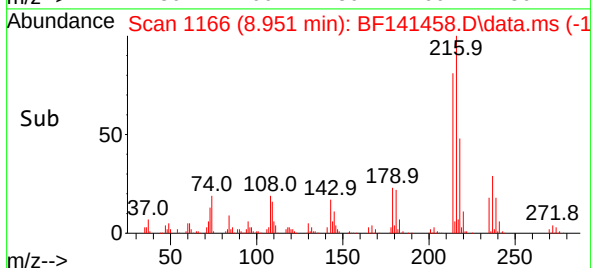
Supervised By :mohammad ahmed 02/06/2025

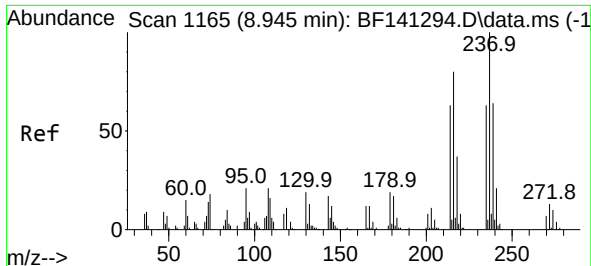


#40
1,2,4,5-Tetrachlorobenzene
Concen: 55.665 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



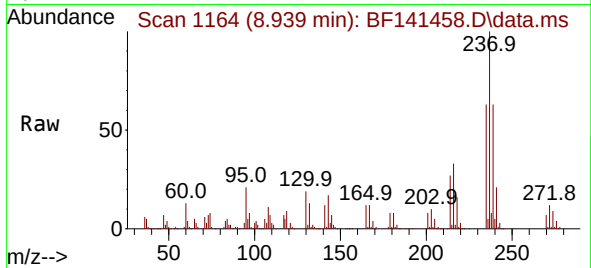
Tgt Ion:216 Resp: 229559
Ion Ratio Lower Upper
216 100
214 80.5 63.2 94.8
179 22.6 17.8 26.8
108 21.8 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 195.596 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

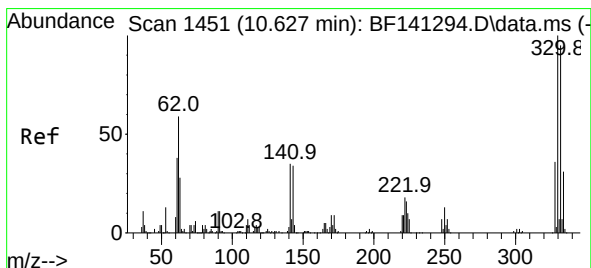
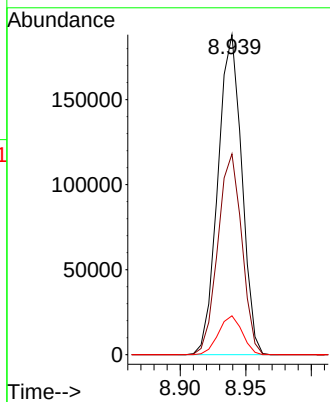
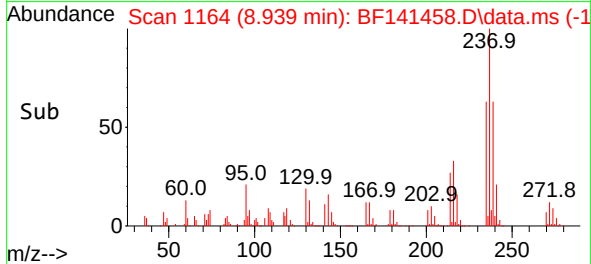
Instrument :
BNA_F
ClientSampleId :
72-11984MS



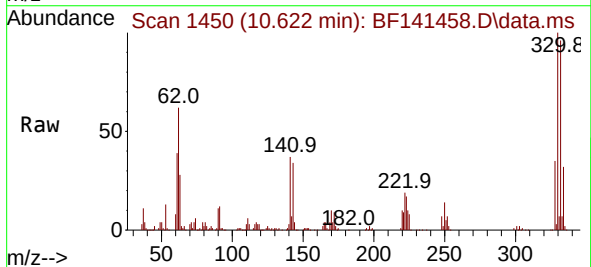
Tgt Ion:237 Resp: 238220
Ion Ratio Lower Upper
237 100
235 62.7 42.9 82.9
272 12.2 0.0 32.8

Manual Integrations
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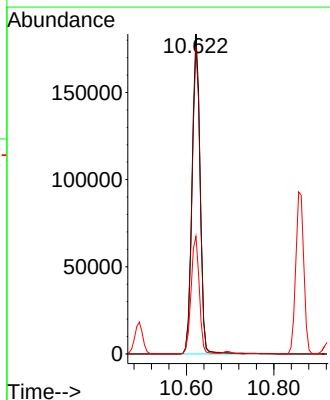
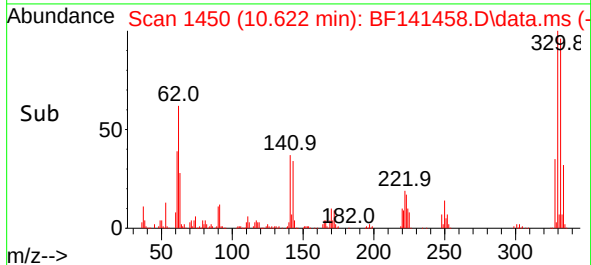
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

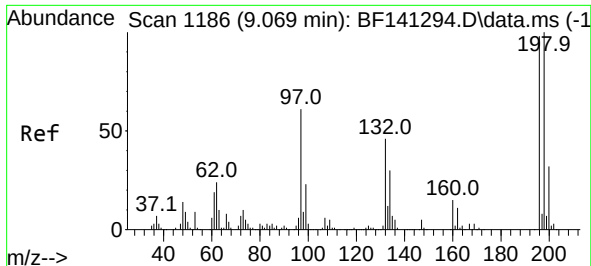


#42
2,4,6-Tribromophenol
Concen: 178.204 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



Tgt Ion:330 Resp: 236824
Ion Ratio Lower Upper
330 100
332 96.0 76.1 114.1
141 37.3 28.8 43.2





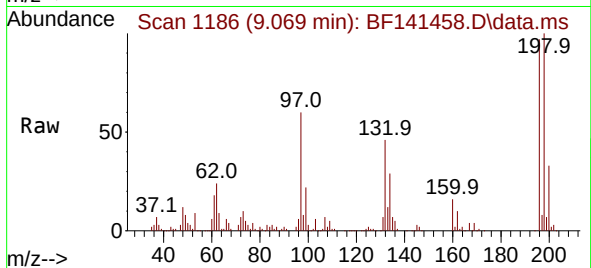
#43
2,4,6-Trichlorophenol
Concen: 51.621 ng
RT: 9.069 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

72-11984MS

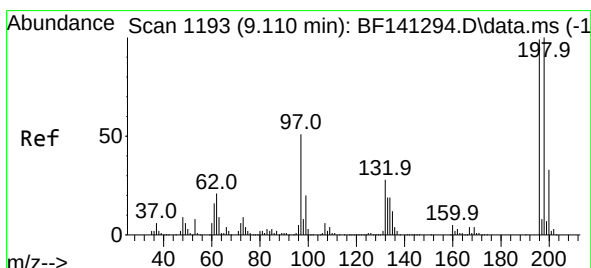
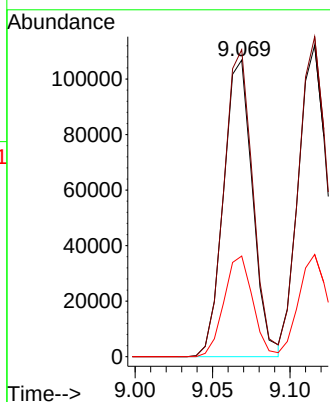
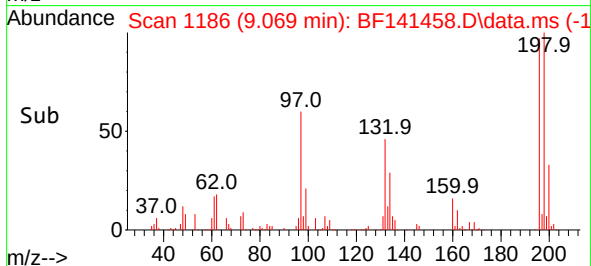


Tgt Ion:196 Resp: 139338
Ion Ratio Lower Upper
196 100
198 103.5 81.8 122.6
200 33.9 26.3 39.5

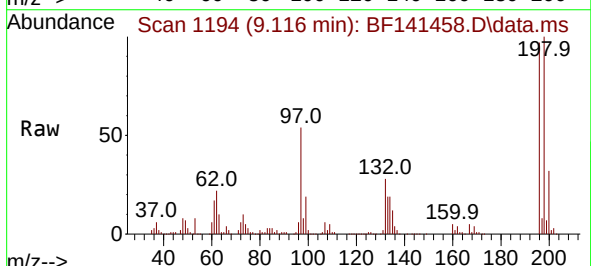
Manual Integrations

APPROVED

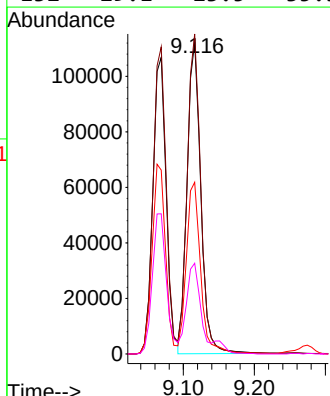
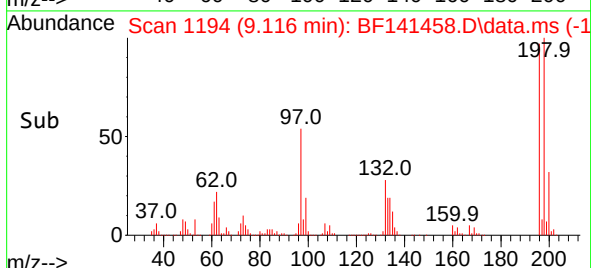
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

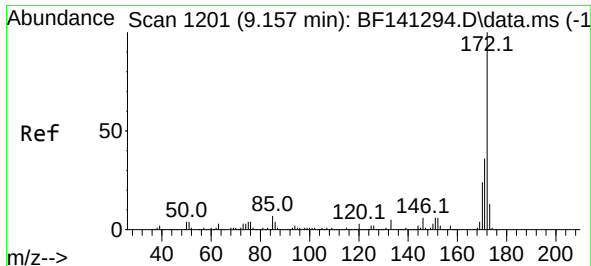


#44
2,4,5-Trichlorophenol
Concen: 51.383 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



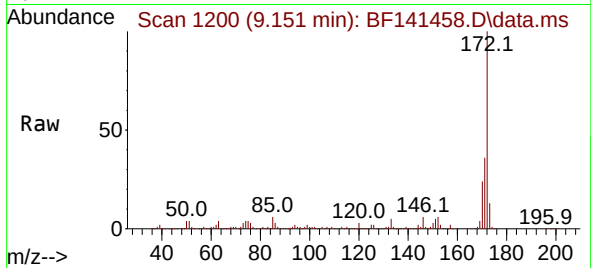
Tgt Ion:196 Resp: 150956
Ion Ratio Lower Upper
196 100
198 102.7 80.5 120.7
97 55.1 42.8 64.2
132 29.1 23.5 35.3





#45
2-Fluorobiphenyl
Concen: 108.559 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

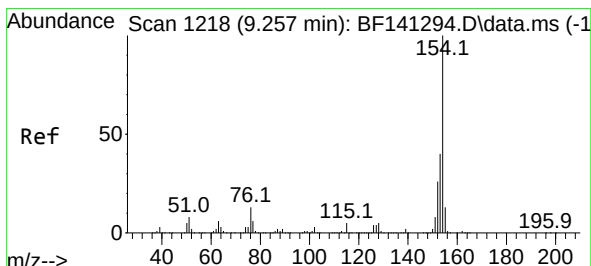
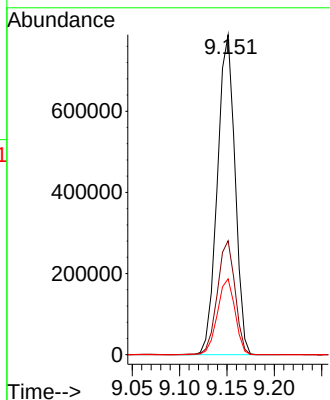
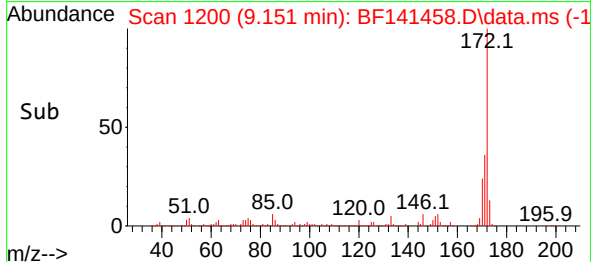
Instrument :
BNA_F
ClientSampleId :
72-11984MS



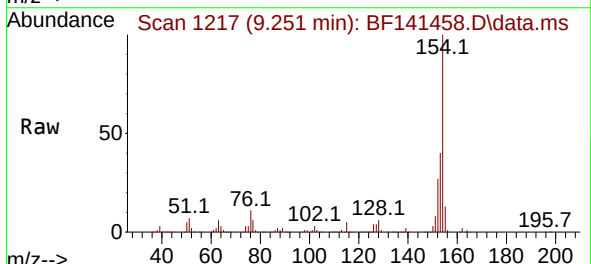
Tgt Ion:172 Resp: 102240
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.7 19.0 28.6

Manual Integrations
APPROVED

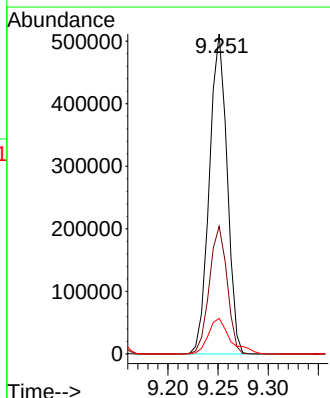
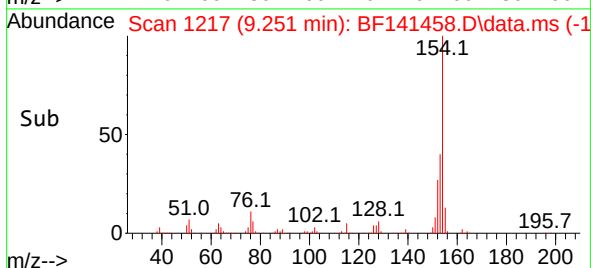
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

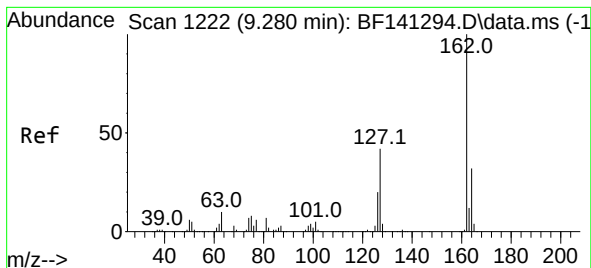


#46
1,1'-Biphenyl
Concen: 55.753 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



Tgt Ion:154 Resp: 630300
Ion Ratio Lower Upper
154 100
153 39.9 20.0 60.0
76 11.1 0.0 32.8





#47

2-Chloronaphthalene

Concen: 48.191 ng

RT: 9.275 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141458.D

Acq: 05 Feb 2025 20:12

Instrument :

BNA_F

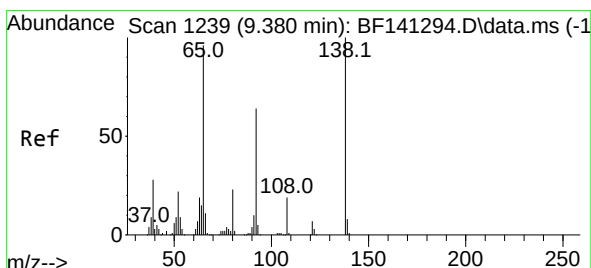
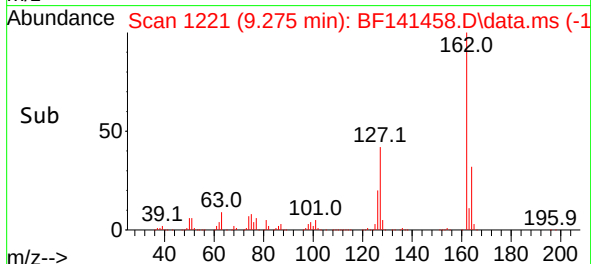
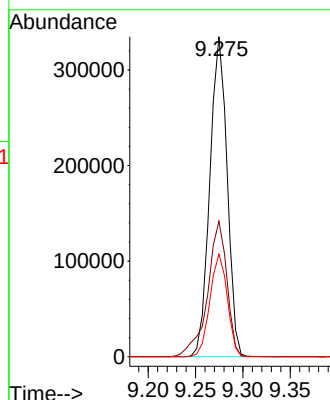
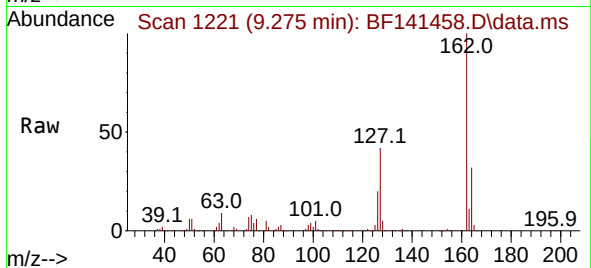
ClientSampleId :

72-11984MS

Tgt Ion:162 Resp: 424640
 Ion Ratio Lower Upper
 162 100
 127 42.3 33.7 50.5
 164 32.1 25.9 38.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#48

2-Nitroaniline

Concen: 54.102 ng

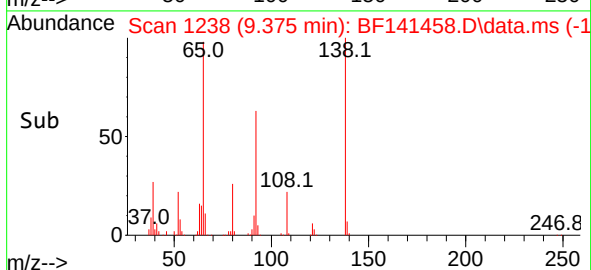
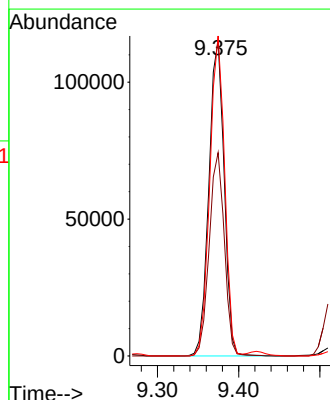
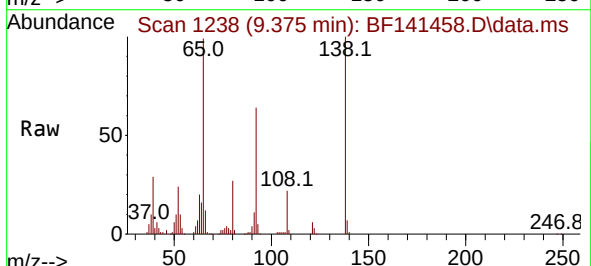
RT: 9.375 min Scan# 1238

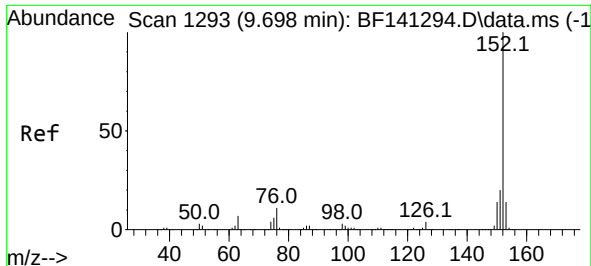
Delta R.T. -0.006 min

Lab File: BF141458.D

Acq: 05 Feb 2025 20:12

Tgt Ion: 65 Resp: 149951
 Ion Ratio Lower Upper
 65 100
 92 64.4 53.3 79.9
 138 101.3 83.6 125.4





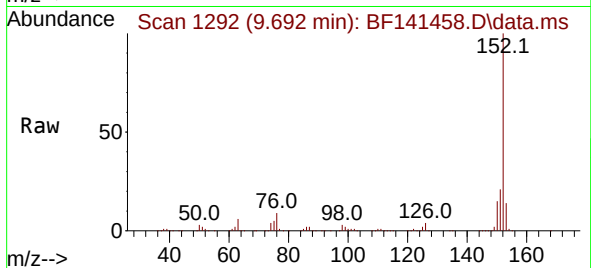
#49
Acenaphthylene
Concen: 53.749 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

72-11984MS

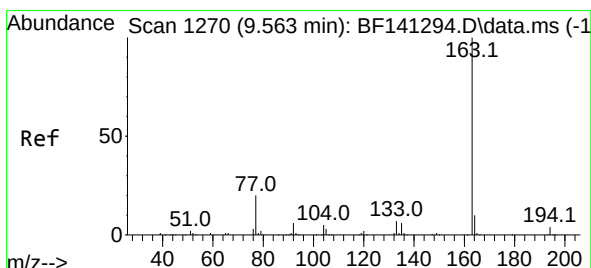
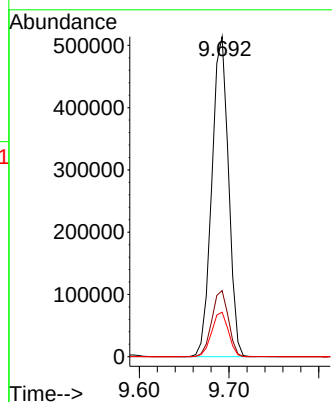
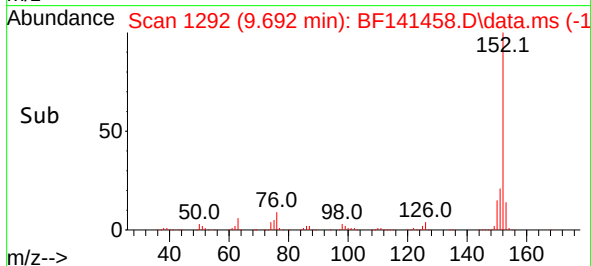


Tgt Ion:152 Resp: 66298
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.2
153 13.9 11.0 16.6

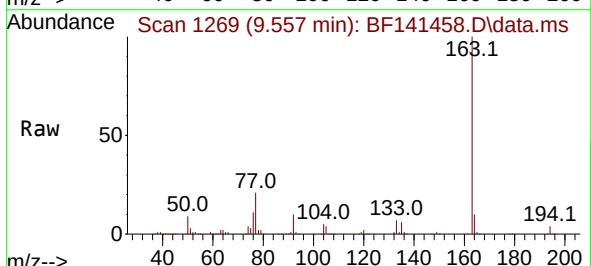
Manual Integrations

APPROVED

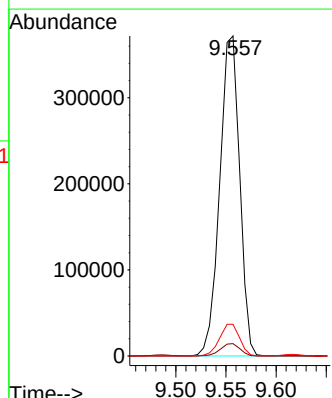
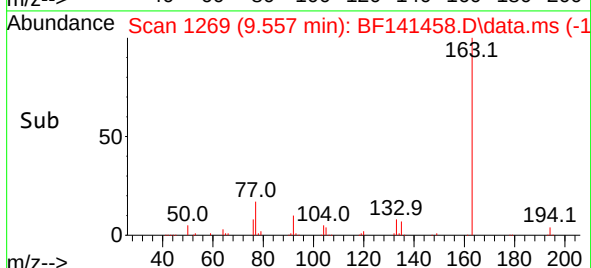
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

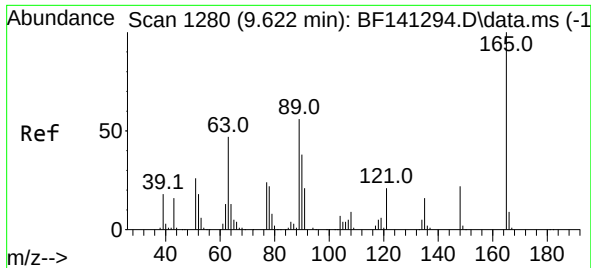


#50
Dimethylphthalate
Concen: 52.461 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



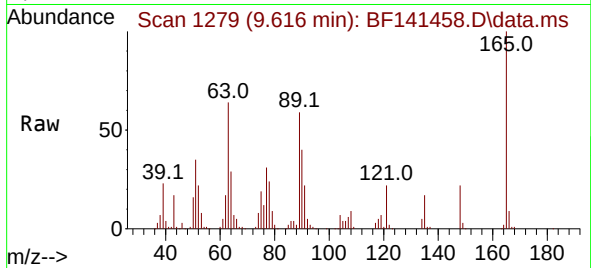
Tgt Ion:163 Resp: 513623
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 9.9 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 48.921 ng
RT: 9.616 min Scan# 11209
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

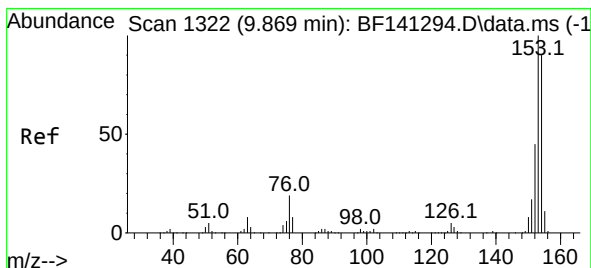
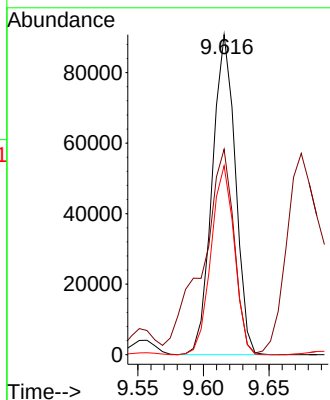
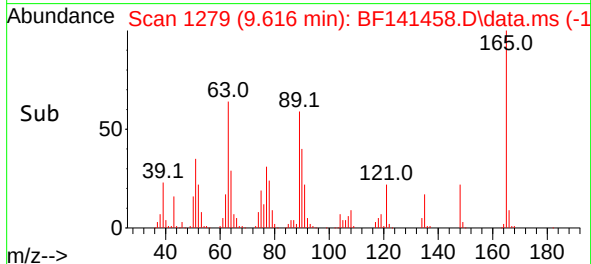
Instrument :
BNA_F
ClientSampleId :
72-11984MS



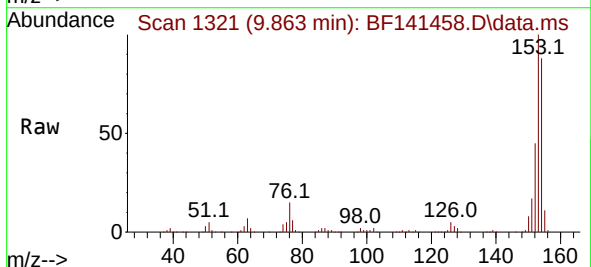
Tgt Ion:165 Resp: 111209
Ion Ratio Lower Upper
165 100
63 64.2 48.1 72.1
89 59.1 44.9 67.3

Manual Integrations
APPROVED

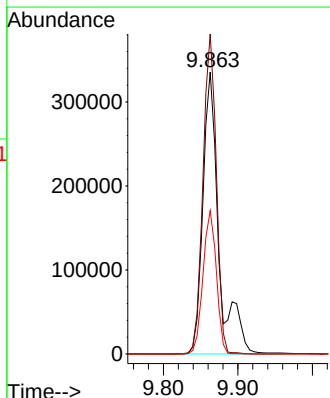
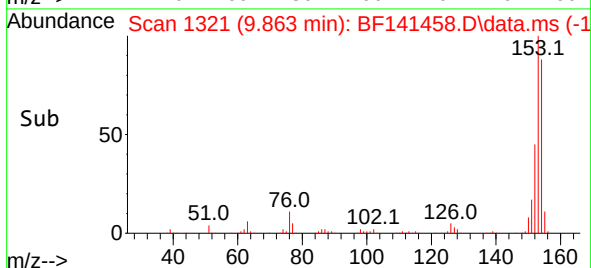
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

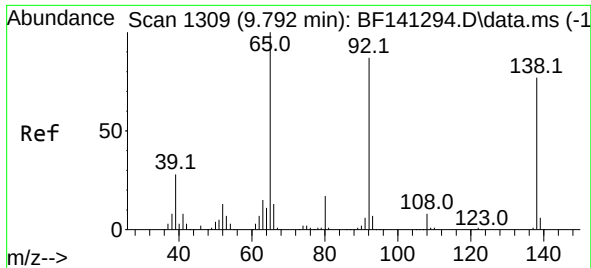


#52
Acenaphthene
Concen: 56.832 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



Tgt Ion:154 Resp: 500808
Ion Ratio Lower Upper
154 100
153 113.5 89.0 133.4
152 50.8 40.2 60.4





#53
3-Nitroaniline
Concen: 40.564 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

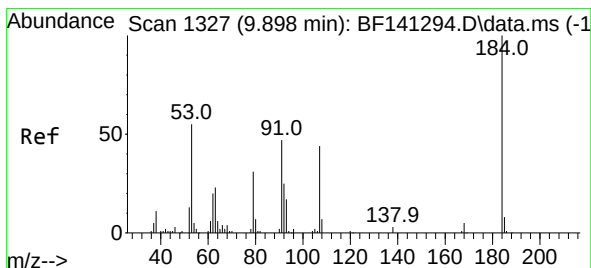
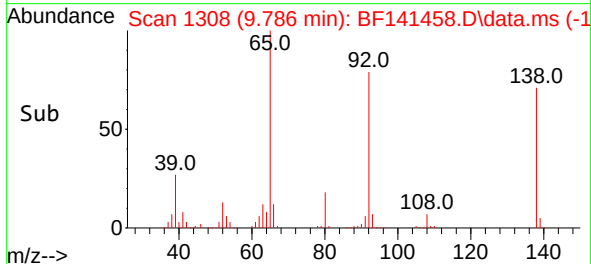
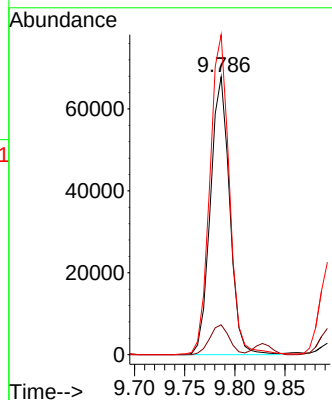
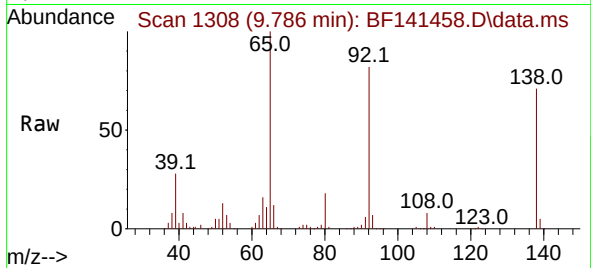
72-11984MS

Tgt Ion:138 Resp: 90378
Ion Ratio Lower Upper
138 100
108 10.8 8.6 12.8
92 115.1 91.0 136.6

Manual Integrations

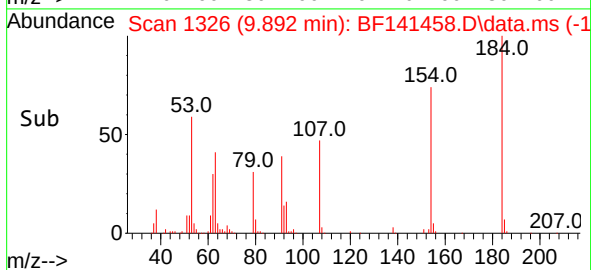
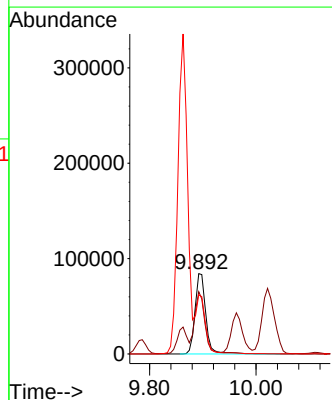
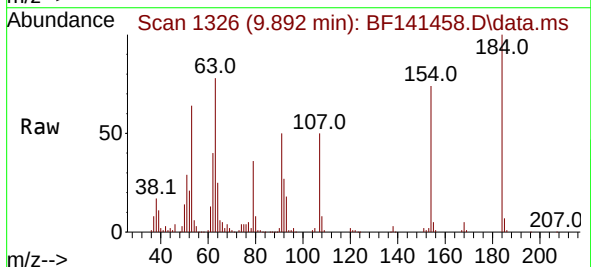
APPROVED

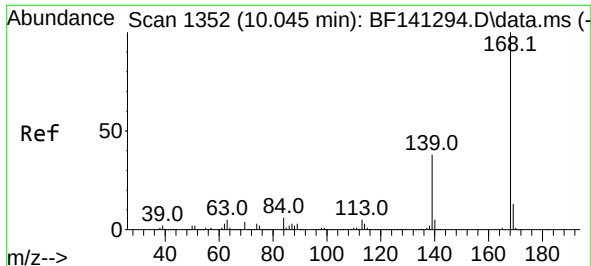
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#54
2,4-Dinitrophenol
Concen: 112.353 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

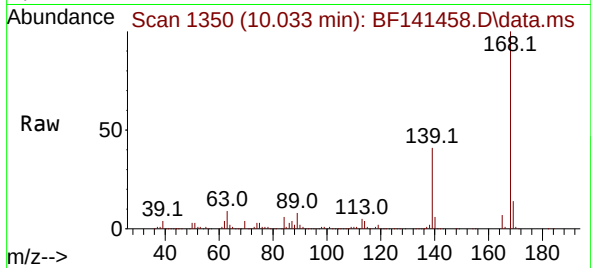
Tgt Ion:184 Resp: 118727
Ion Ratio Lower Upper
184 100
63 77.6 54.1 81.1
154 73.8 50.7 76.1





#55
Dibenzenofuran
Concen: 51.834 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

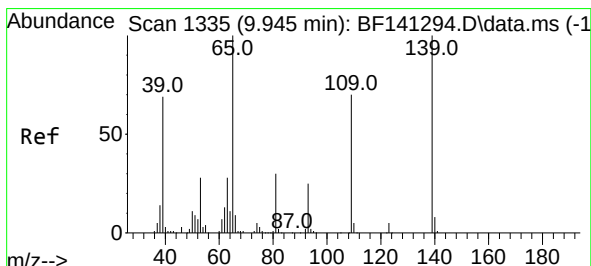
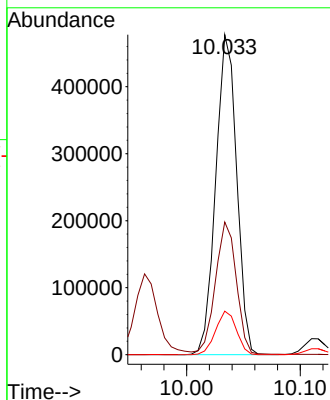
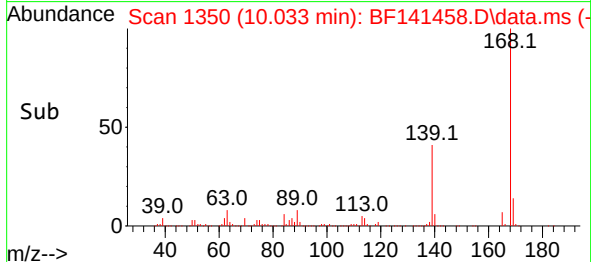
Instrument :
BNA_F
ClientSampleId :
72-11984MS



Tgt Ion:168 Resp: 611390
Ion Ratio Lower Upper
168 100
139 41.4 30.6 46.0
169 13.6 10.8 16.2

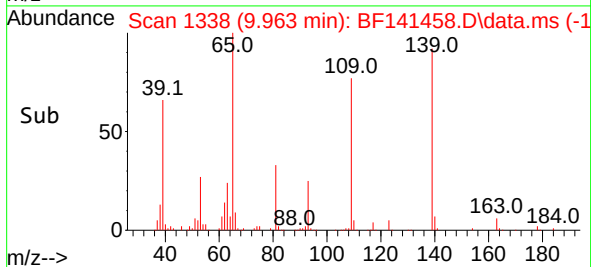
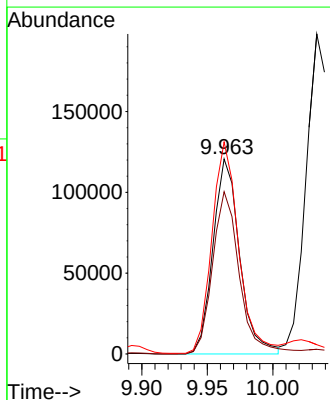
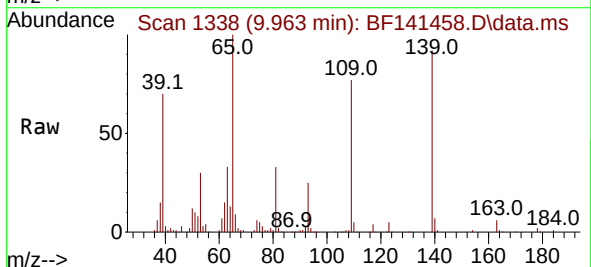
Manual Integrations
APPROVED

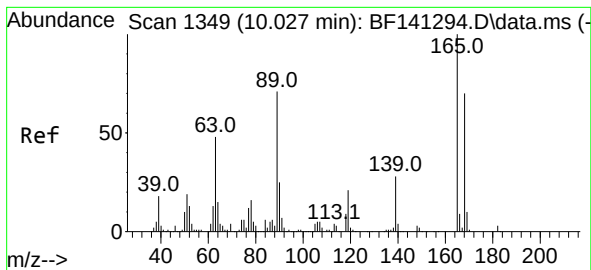
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#56
4-Nitrophenol
Concen: 104.693 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

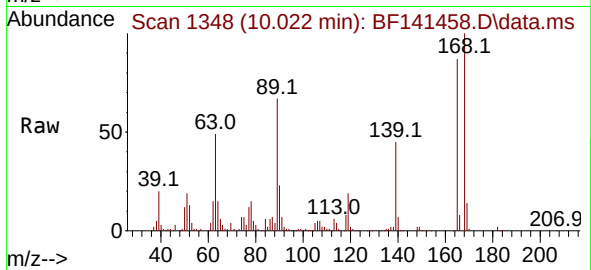
Tgt Ion:139 Resp: 170592
Ion Ratio Lower Upper
139 100
109 83.2 50.2 90.2
65 108.7 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 52.069 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

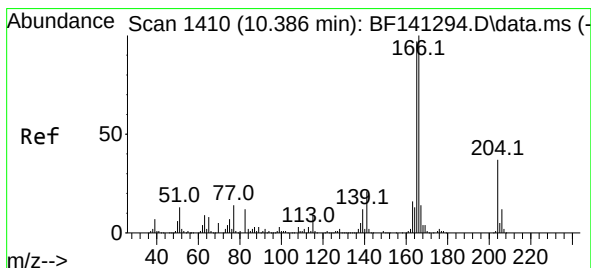
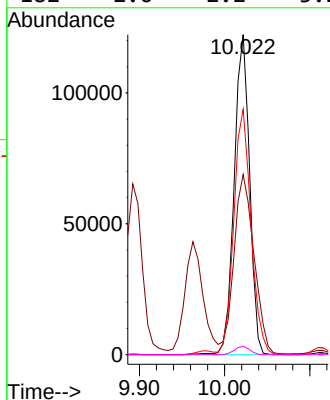
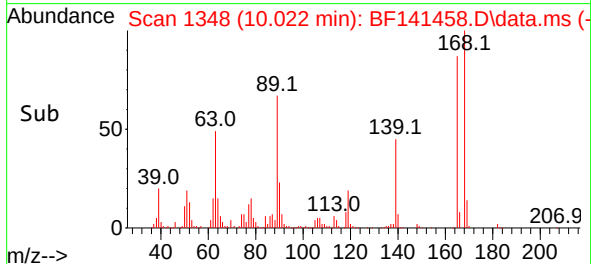
Instrument :
BNA_F
ClientSampleId :
72-11984MS



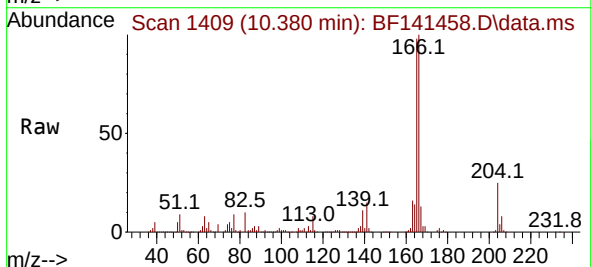
Tgt Ion:165 Resp: 153250
Ion Ratio Lower Upper
165 100
63 56.3 39.2 58.8
89 76.7 56.9 85.3
182 2.6 2.2 3.2

Manual Integrations
APPROVED

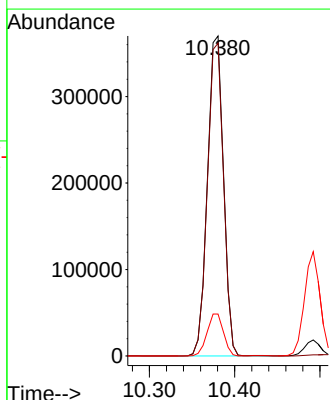
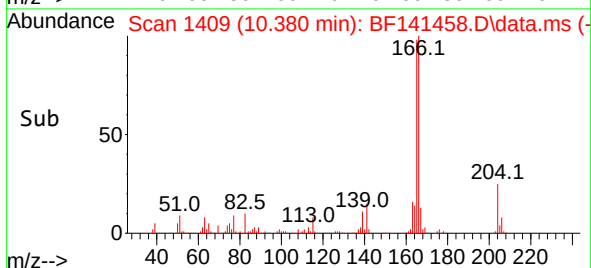
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

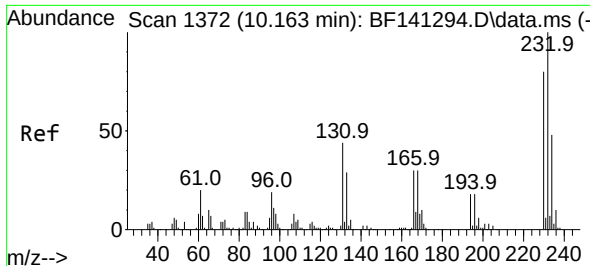


#58
Fluorene
Concen: 52.984 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



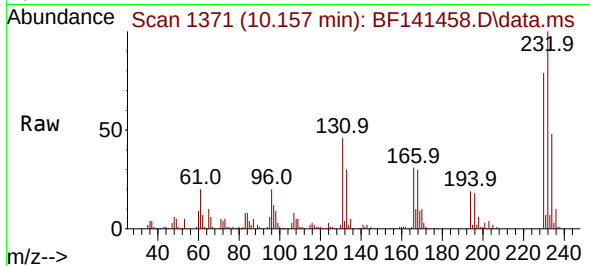
Tgt Ion:166 Resp: 484770
Ion Ratio Lower Upper
166 100
165 97.7 77.5 116.3
167 13.1 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 57.282 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

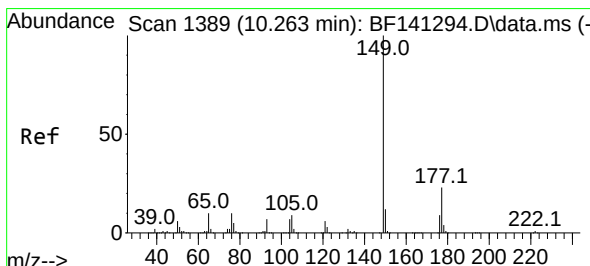
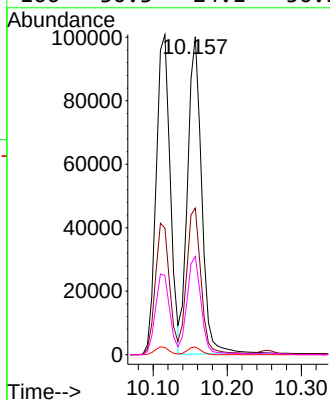
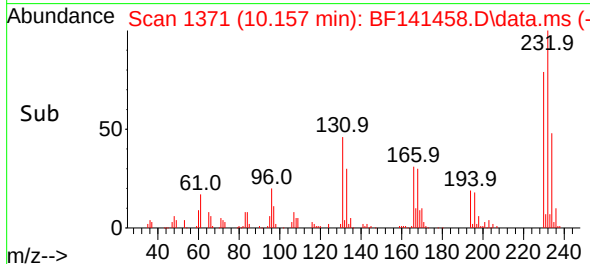
Instrument :
BNA_F
ClientSampleId :
72-11984MS



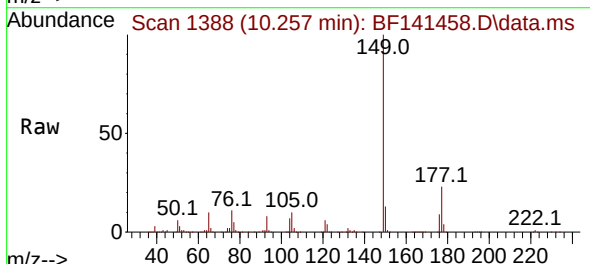
Tgt Ion:232 Resp: 132394
Ion Ratio Lower Upper
232 100
131 47.2 36.4 54.6
130 2.4 1.9 2.9
166 30.3 24.1 36.1

Manual Integrations
APPROVED

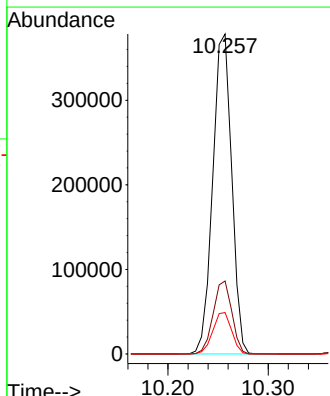
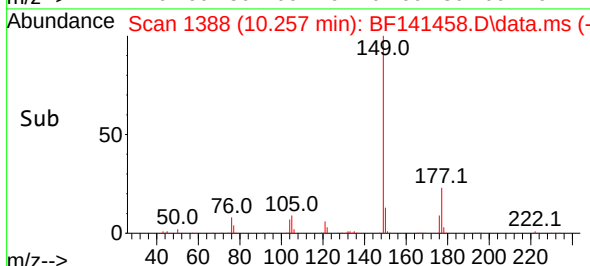
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

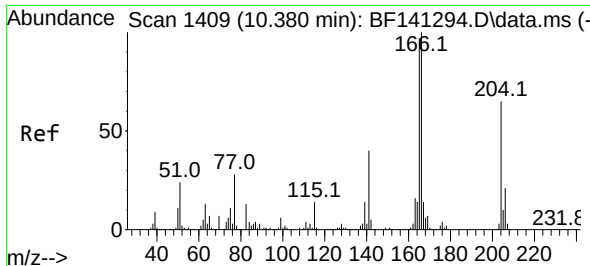


#60
Diethylphthalate
Concen: 52.251 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



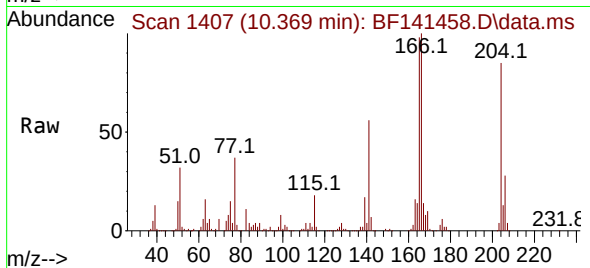
Tgt Ion:149 Resp: 496018
Ion Ratio Lower Upper
149 100
177 22.8 18.5 27.7
150 12.9 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 52.356 ng
RT: 10.369 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

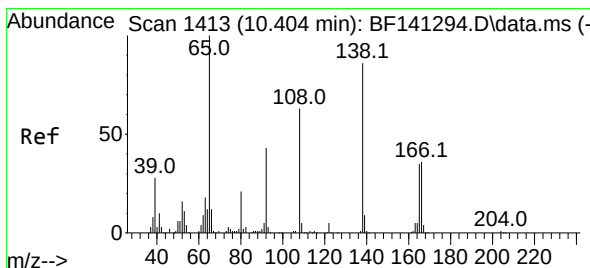
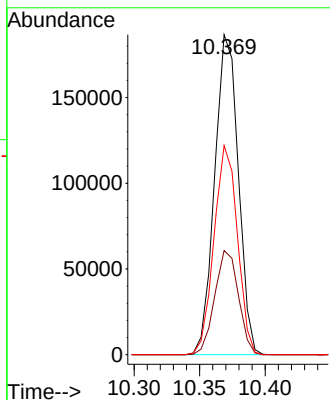
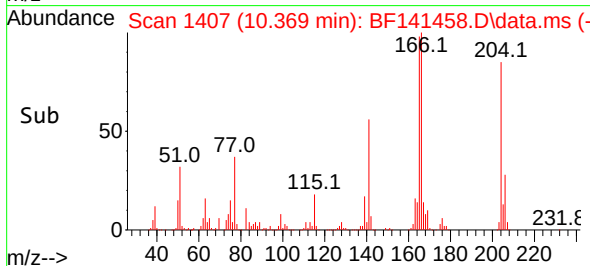
Instrument :
BNA_F
ClientSampleId :
72-11984MS



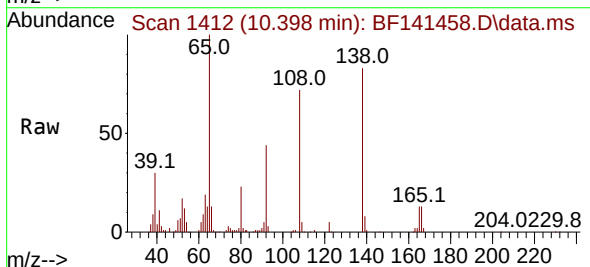
Tgt Ion:204 Resp: 23399
Ion Ratio Lower Upper
204 100
206 32.6 25.9 38.9
141 65.4 49.5 74.3

Manual Integrations
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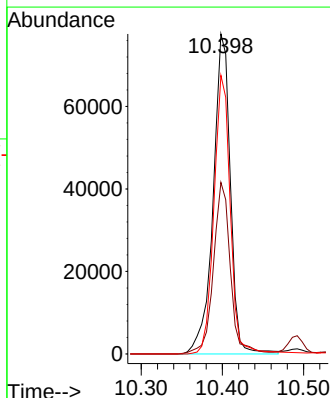
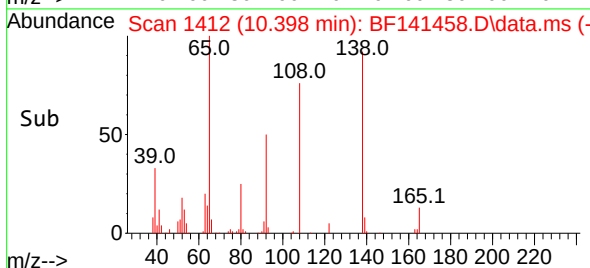
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

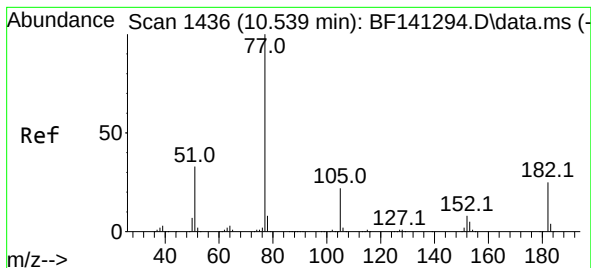


#62
4-Nitroaniline
Concen: 52.292 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



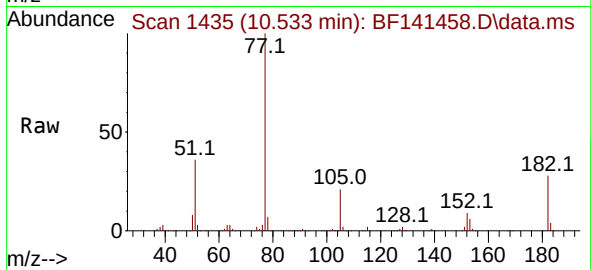
Tgt Ion:138 Resp: 114543
Ion Ratio Lower Upper
138 100
92 53.6 30.1 70.1
108 87.0 53.1 93.1





#63
Azobenzene
Concen: 50.316 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

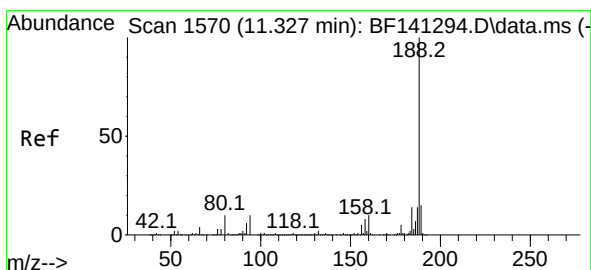
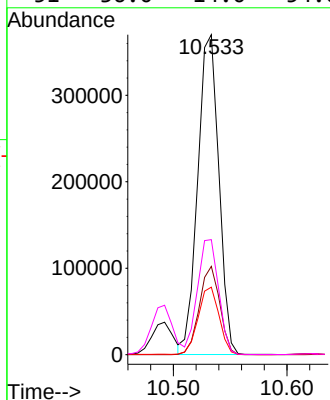
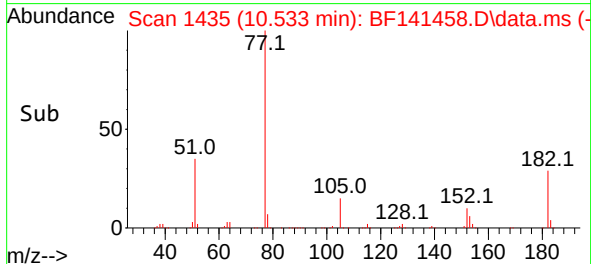
Instrument :
BNA_F
ClientSampleId :
72-11984MS



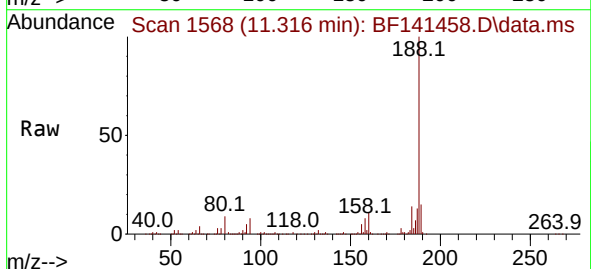
Tgt Ion: 77 Resp: 47812
Ion Ratio Lower Upper
77 100
182 27.6 5.1 45.1
105 21.1 1.8 41.8
51 36.0 14.0 54.0

Manual Integrations
APPROVED

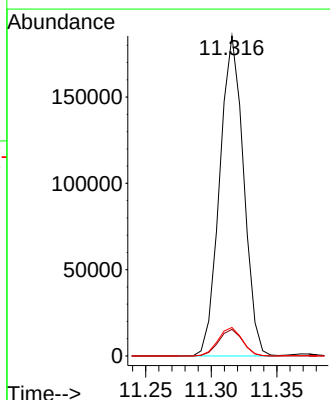
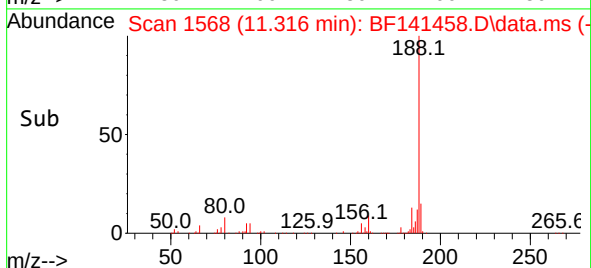
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

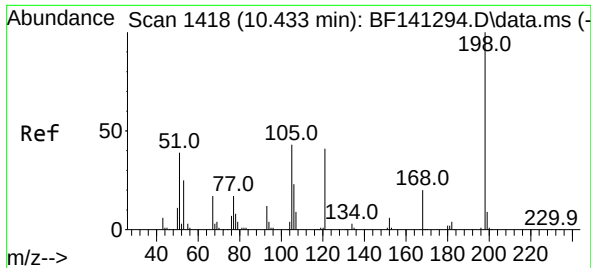


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



Tgt Ion:188 Resp: 235411
Ion Ratio Lower Upper
188 100
94 8.3 7.8 11.6
80 8.9 8.2 12.4





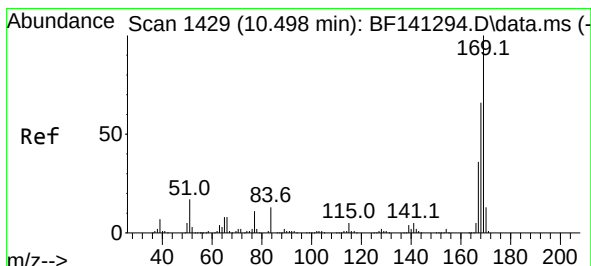
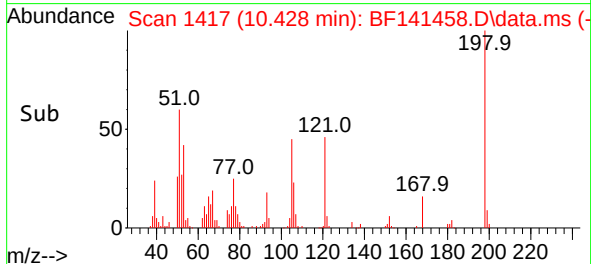
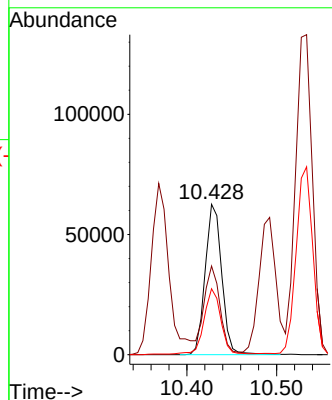
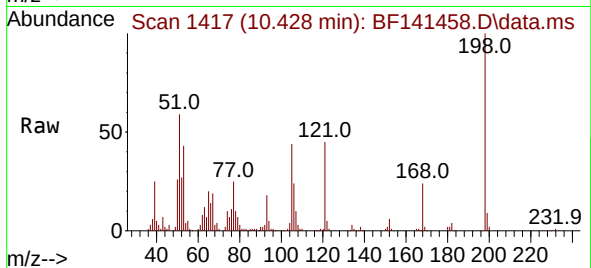
#65
4,6-Dinitro-2-methylphenol
Concen: 57.718 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

Instrument :
BNA_F
ClientSampleId :
72-11984MS

Tgt Ion:198 Resp: 80370
Ion Ratio Lower Upper
198 100
51 59.0 33.4 73.4
105 43.8 24.4 64.4

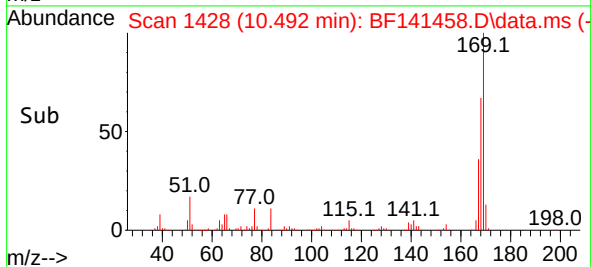
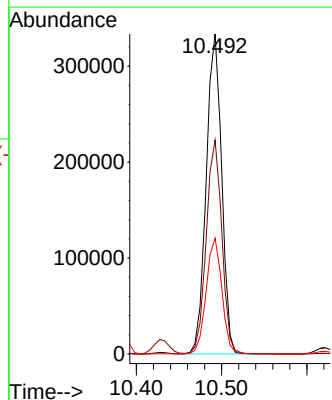
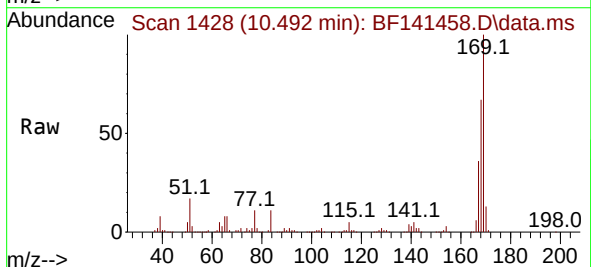
Manual Integrations
APPROVED

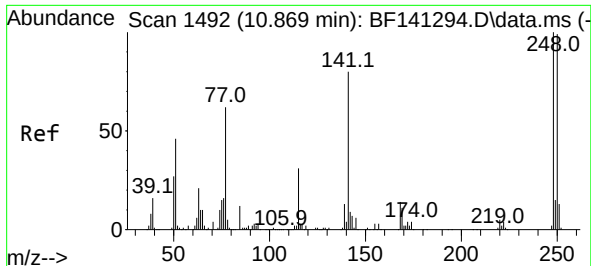
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#66
n-Nitrosodiphenylamine
Concen: 55.090 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

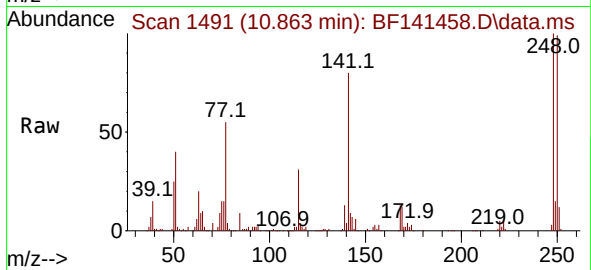
Tgt Ion:169 Resp: 419456
Ion Ratio Lower Upper
169 100
168 66.9 53.0 79.4
167 36.2 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 54.121 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

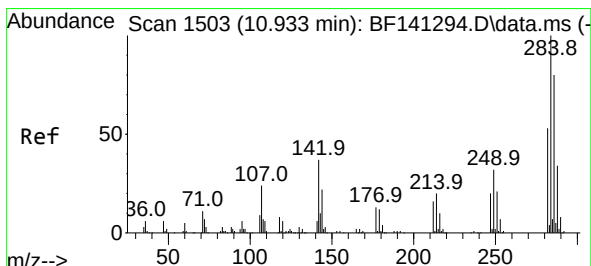
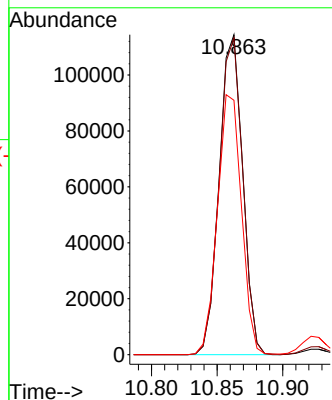
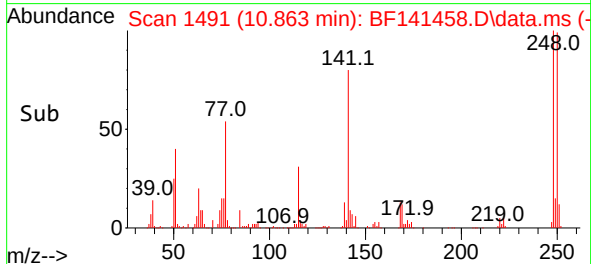
Instrument :
BNA_F
ClientSampleId :
72-11984MS



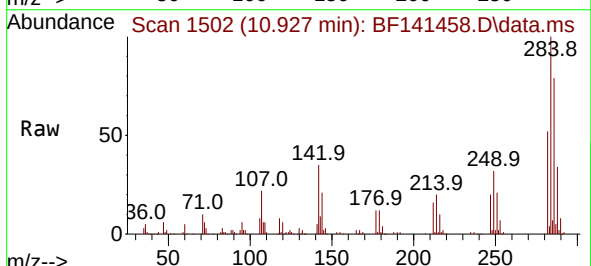
Tgt Ion:248 Resp: 142635
Ion Ratio Lower Upper
248 100
250 99.0 79.0 118.4
141 79.5 63.7 95.5

Manual Integrations
APPROVED

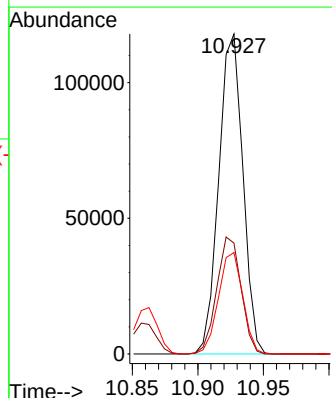
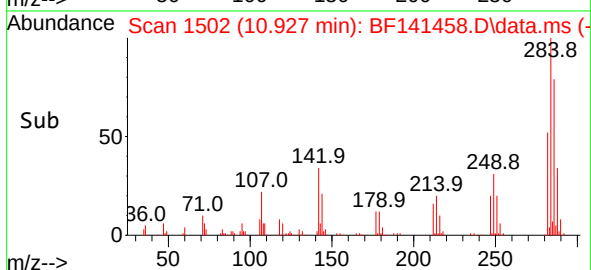
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

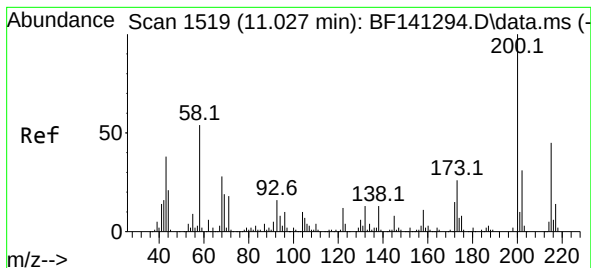


#68
Hexachlorobenzene
Concen: 53.838 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



Tgt Ion:284 Resp: 150509
Ion Ratio Lower Upper
284 100
142 34.6 29.5 44.3
249 31.7 25.4 38.2





#69

Atrazine

Concen: 62.737 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141458.D

Acq: 05 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

72-11984MS

Tgt Ion:200 Resp: 15971

Ion Ratio Lower Upper

200 100

173 24.4 5.9 45.9

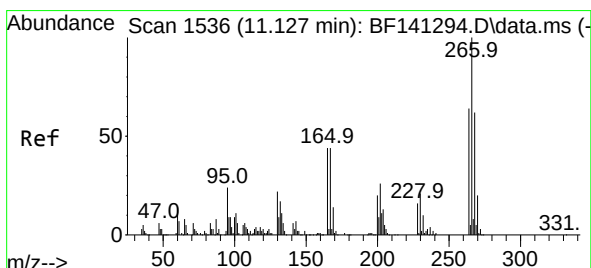
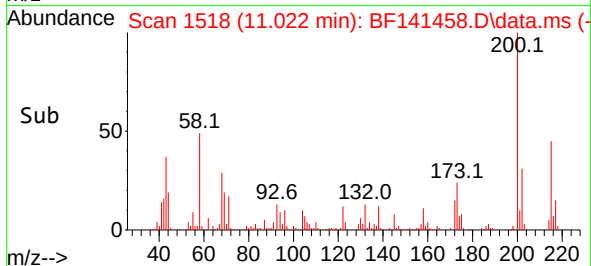
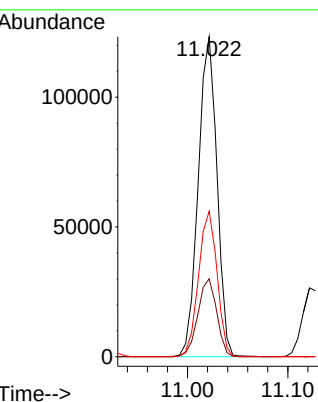
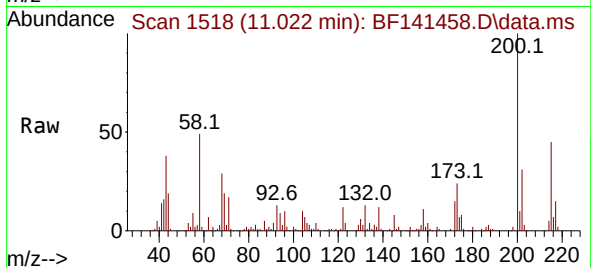
215 45.5 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#70

Pentachlorophenol

Concen: 113.994 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141458.D

Acq: 05 Feb 2025 20:12

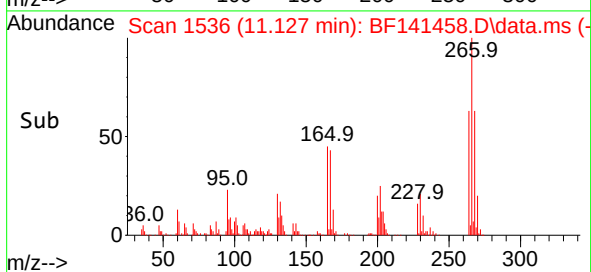
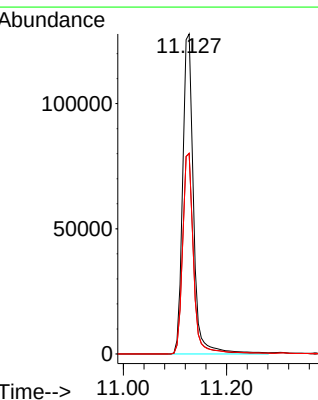
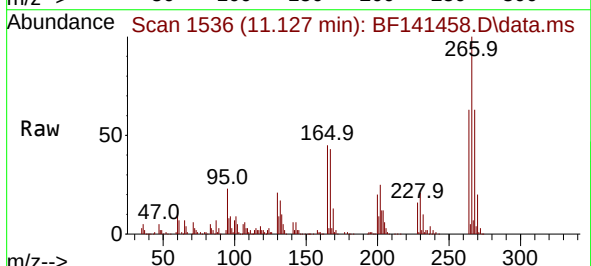
Tgt Ion:266 Resp: 186615

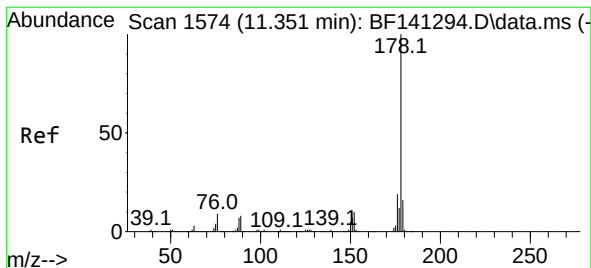
Ion Ratio Lower Upper

266 100

268 62.6 49.9 74.9

264 62.8 51.0 76.4





#71

Phenanthrene

Concen: 55.495 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF141458.D

Acq: 05 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

72-11984MS

Tgt Ion:178 Resp: 70225

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

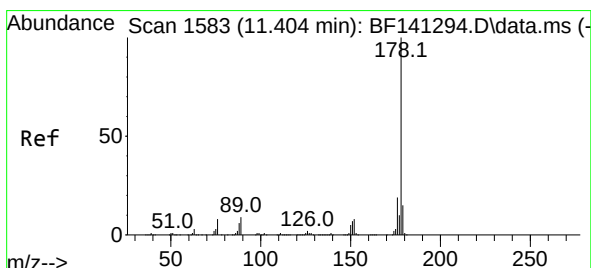
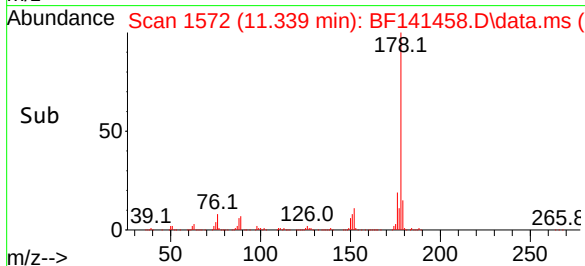
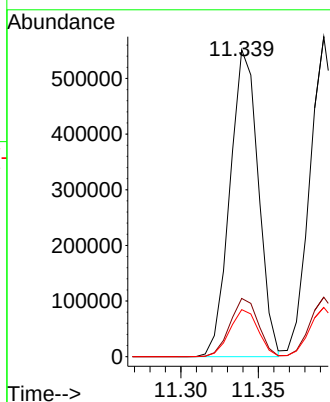
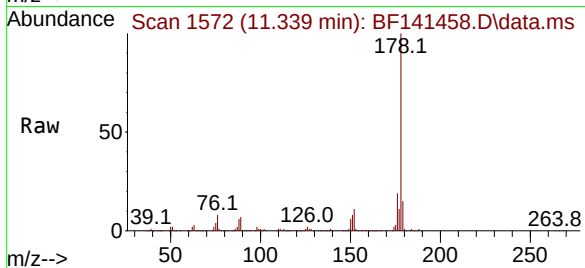
179 15.4 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#72

Anthracene

Concen: 57.987 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF141458.D

Acq: 05 Feb 2025 20:12

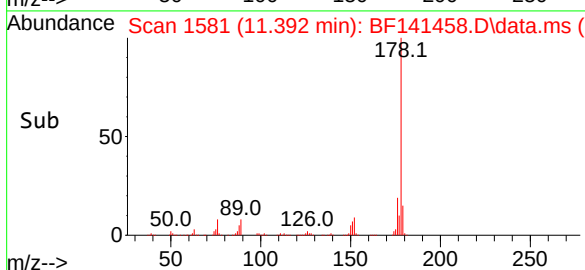
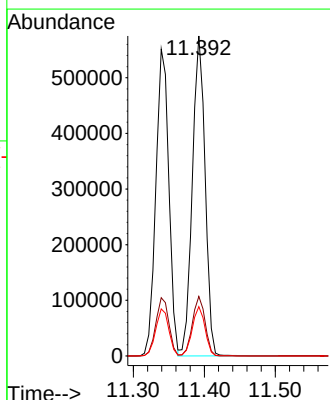
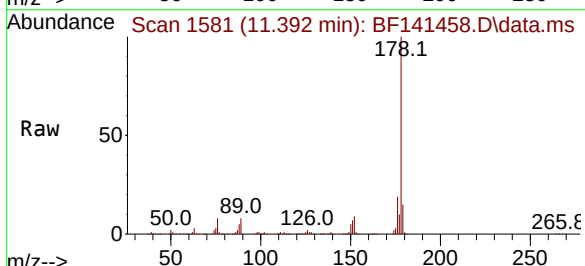
Tgt Ion:178 Resp: 718982

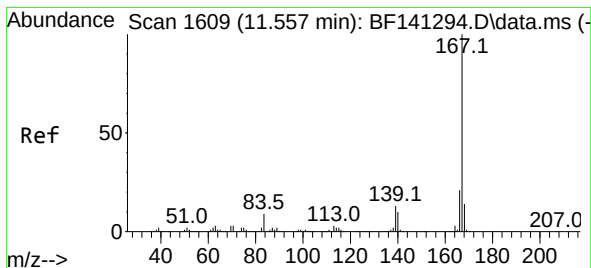
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

179 15.4 12.3 18.5





#73

Carbazole

Concen: 55.661 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BF141458.D

Acq: 05 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

72-11984MS

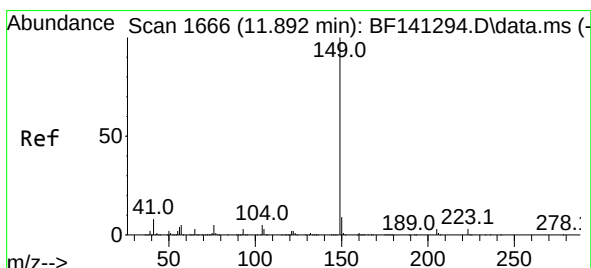
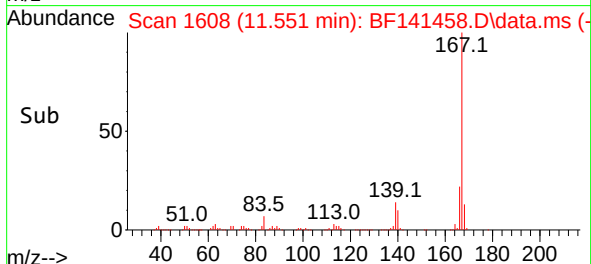
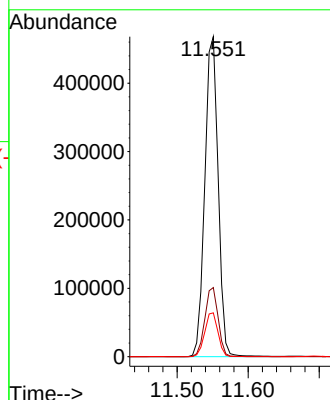
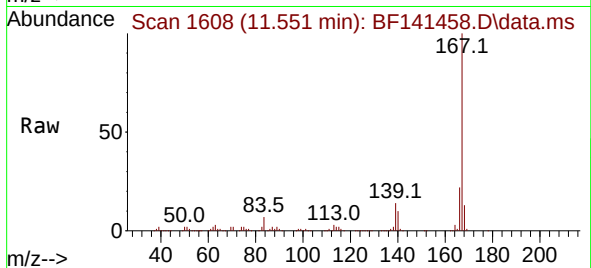
Tgt Ion:167	Resp: 611950
Ion Ratio	Lower Upper
167	100
166	21.6 17.0 25.6
139	13.7 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#74

Di-n-butylphthalate

Concen: 54.283 ng

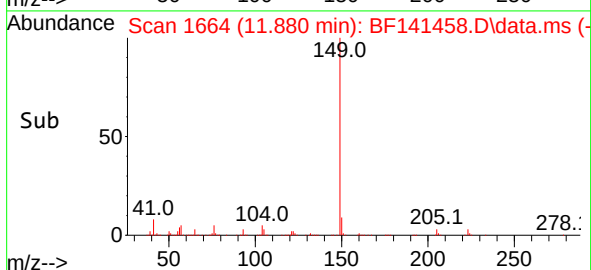
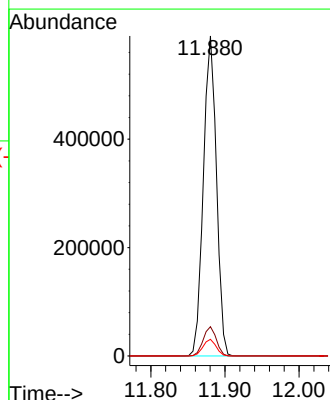
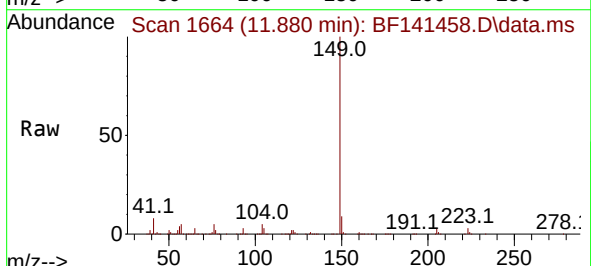
RT: 11.880 min Scan# 1664

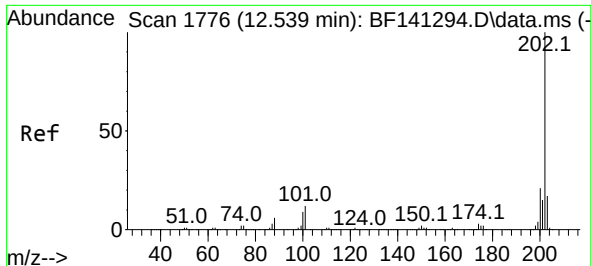
Delta R.T. -0.012 min

Lab File: BF141458.D

Acq: 05 Feb 2025 20:12

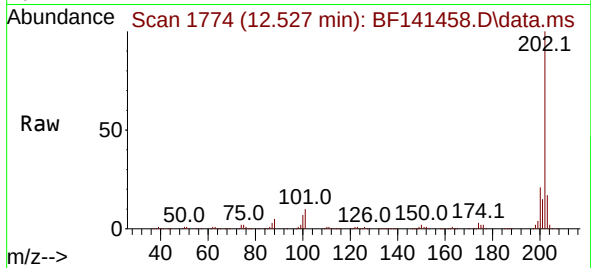
Tgt Ion:149	Resp: 723274
Ion Ratio	Lower Upper
149	100
150	9.2 7.4 11.2
104	5.2 3.9 5.9





#75
Fluoranthene
Concen: 51.938 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

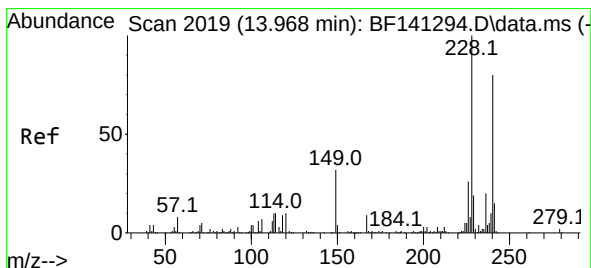
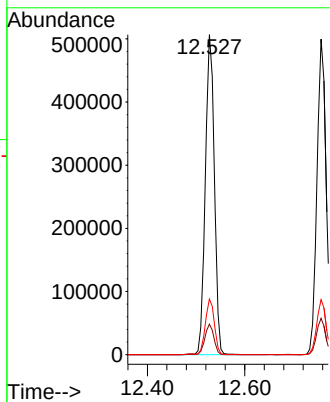
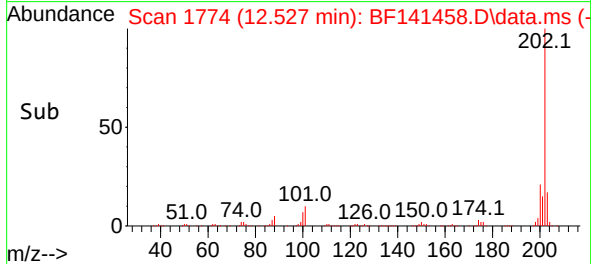
Instrument :
BNA_F
ClientSampleId :
72-11984MS



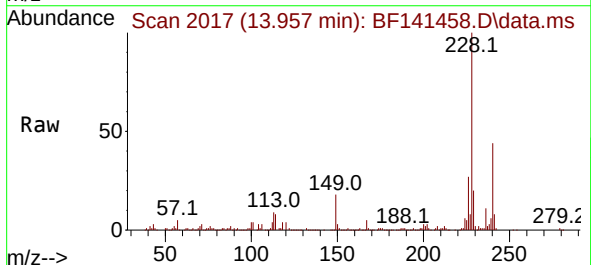
Tgt Ion:202 Resp: 648950
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.7
203 17.4 0.0 37.5

Manual Integrations
APPROVED

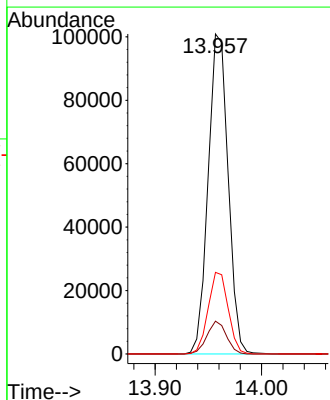
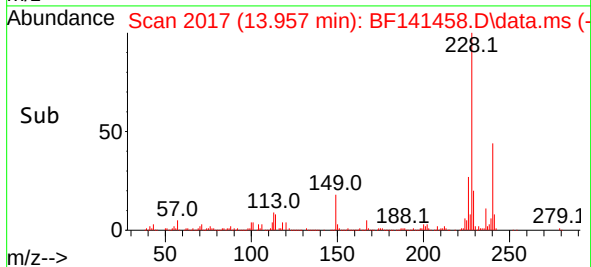
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

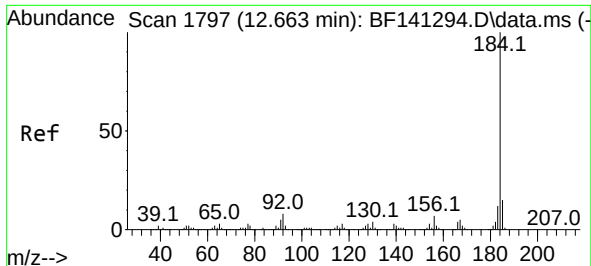


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



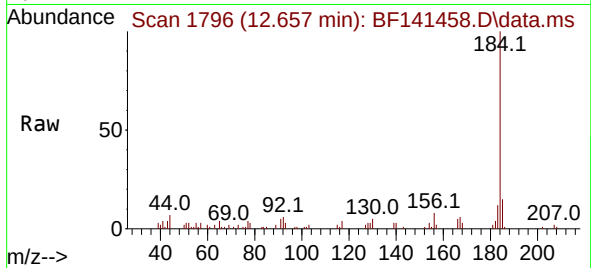
Tgt Ion:240 Resp: 131805
Ion Ratio Lower Upper
240 100
120 10.2 10.0 15.0
236 25.5 19.7 29.5





#77
Benzidine
Concen: 6.732 ng
RT: 12.657 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

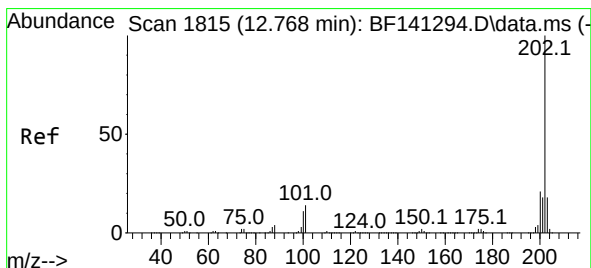
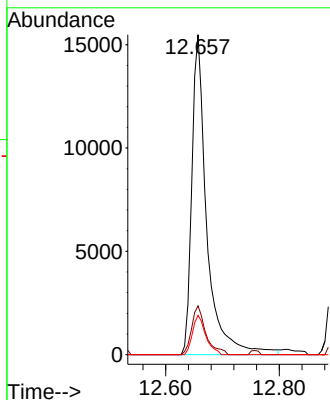
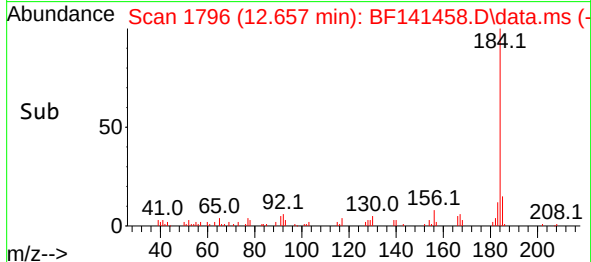
Instrument :
BNA_F
ClientSampleId :
72-11984MS



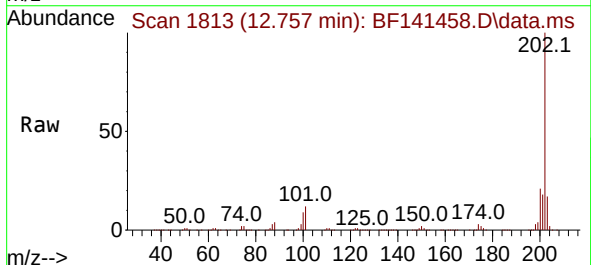
Tgt Ion:184 Resp: 28440
Ion Ratio Lower Upper
184 100
185 15.2 11.9 17.9
183 12.3 9.5 14.3

Manual Integrations
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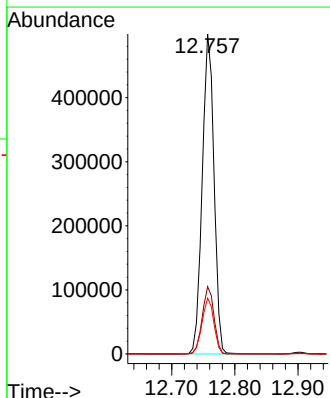
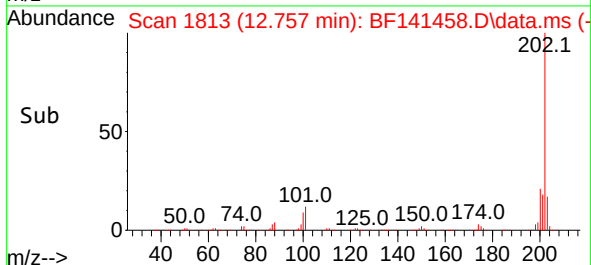
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

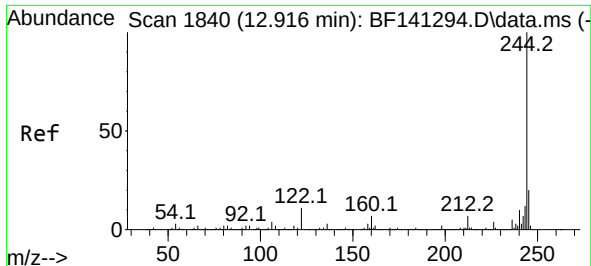


#78
Pyrene
Concen: 50.946 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



Tgt Ion:202 Resp: 644570
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 17.4 14.3 21.5





#79
 Terphenyl-d14
 Concen: 111.958 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF141458.D
 Acq: 05 Feb 2025 20:12

Instrument :

BNA_F

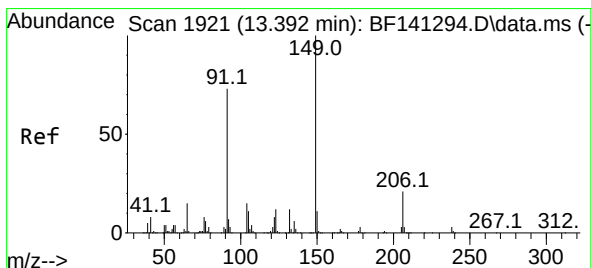
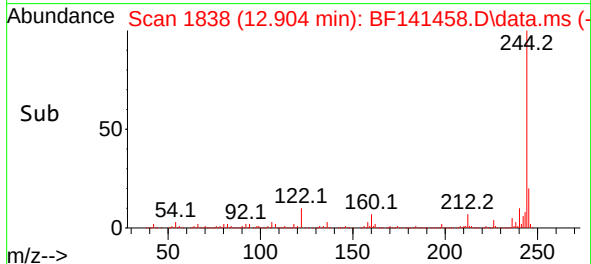
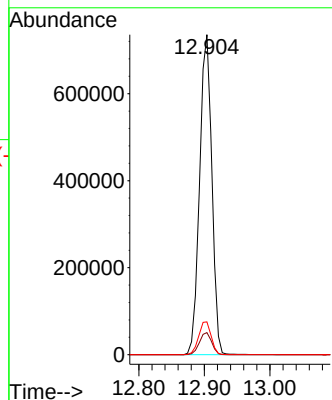
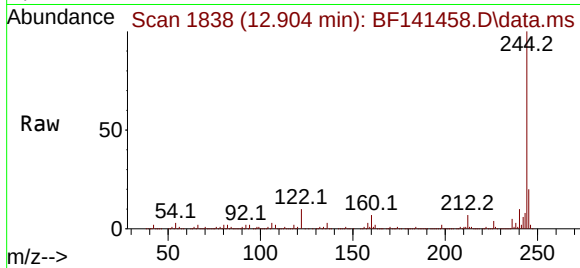
ClientSampleId :

72-11984MS

Tgt Ion:244 Resp: 95686
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.2 8.8 13.2

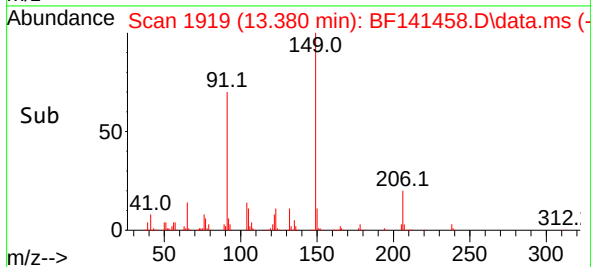
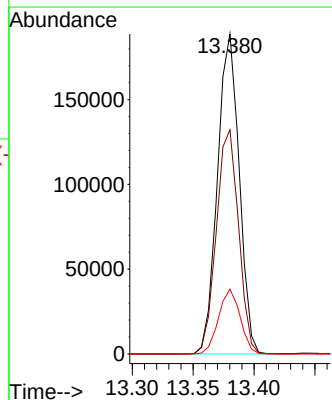
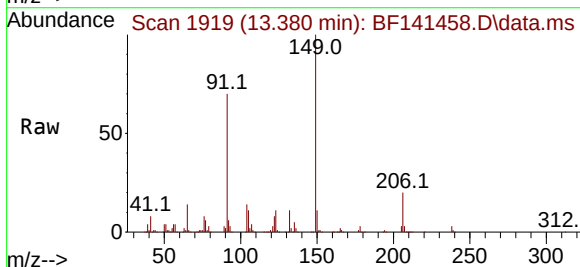
Manual Integrations
 APPROVED

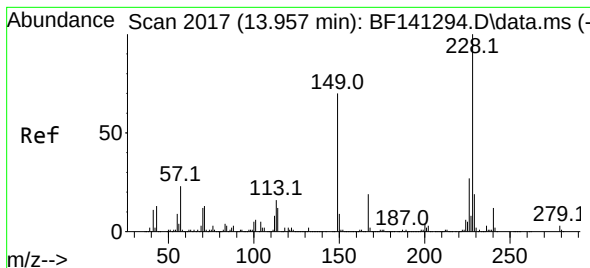
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#80
 Butylbenzylphthalate
 Concen: 53.116 ng
 RT: 13.380 min Scan# 1919
 Delta R.T. -0.012 min
 Lab File: BF141458.D
 Acq: 05 Feb 2025 20:12

Tgt Ion:149 Resp: 234779
 Ion Ratio Lower Upper
 149 100
 91 70.1 58.6 87.8
 206 20.3 16.7 25.1





#81

Benzo(a)anthracene

Concen: 52.745 ng

RT: 13.951 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF141458.D

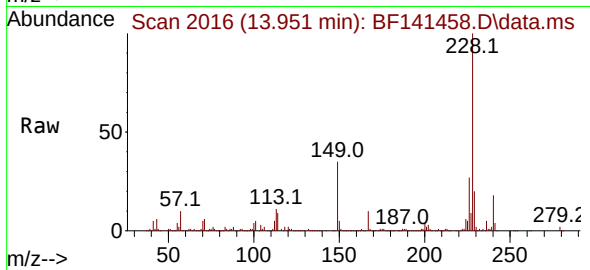
Acq: 05 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

72-11984MS



Tgt Ion:228 Resp: 47973

Ion Ratio Lower Upper

228 100

226 27.3 21.4 32.2

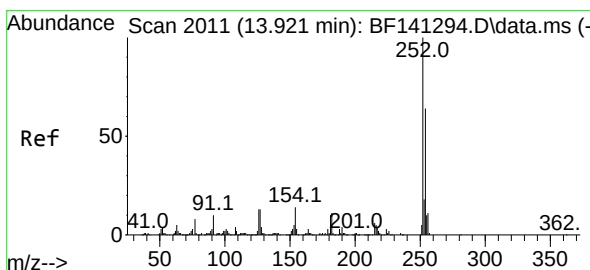
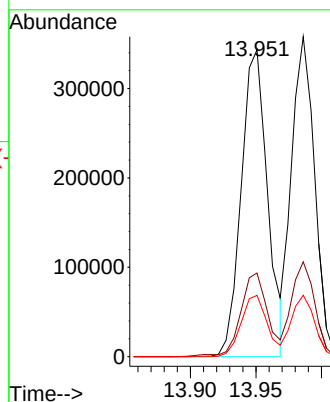
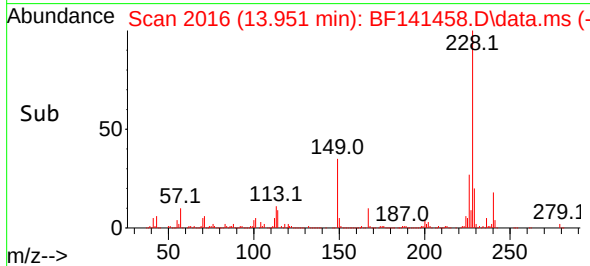
229 20.0 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#82

3,3'-Dichlorobenzidine

Concen: 53.905 ng

RT: 13.916 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF141458.D

Acq: 05 Feb 2025 20:12

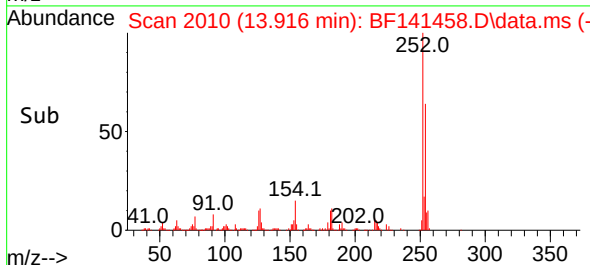
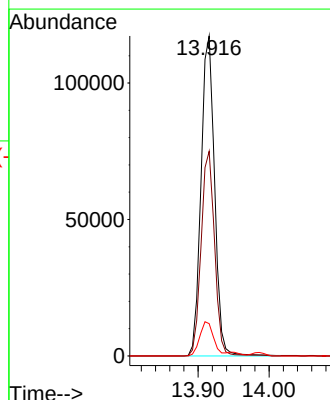
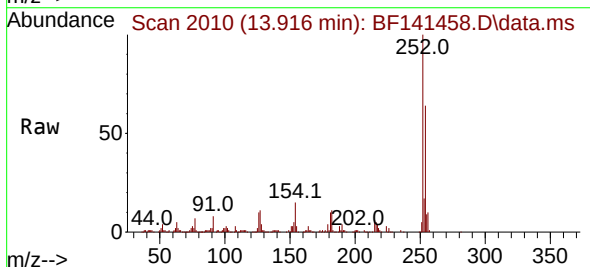
Tgt Ion:252 Resp: 155933

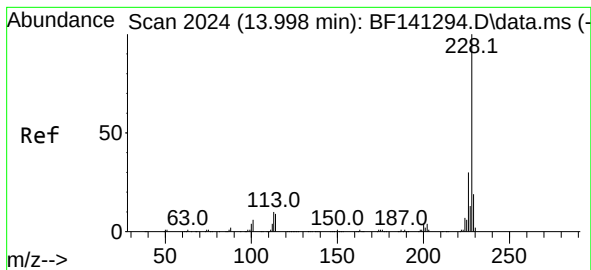
Ion Ratio Lower Upper

252 100

254 63.9 51.3 76.9

126 10.1 10.0 15.0





#83

Chrysene

Concen: 52.534 ng

RT: 13.986 min Scan# 2014

Delta R.T. -0.012 min

Lab File: BF141458.D

Acq: 05 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

72-11984MS

Tgt Ion:228 Resp: 43790

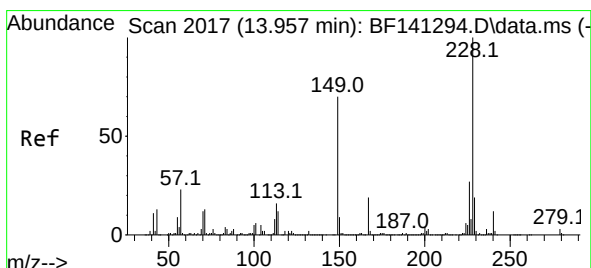
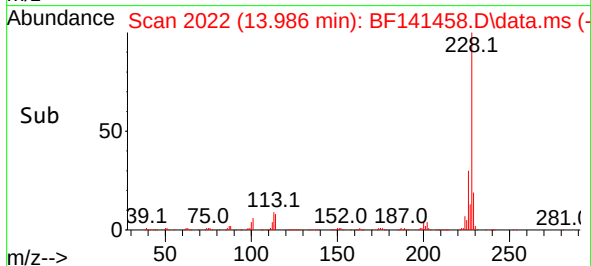
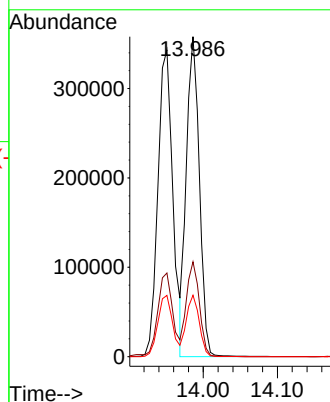
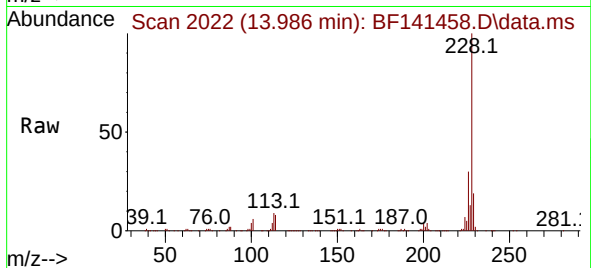
Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.1	36.1
229	19.2	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.275 ng

RT: 13.939 min Scan# 2014

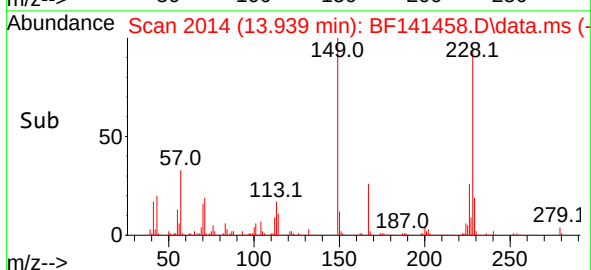
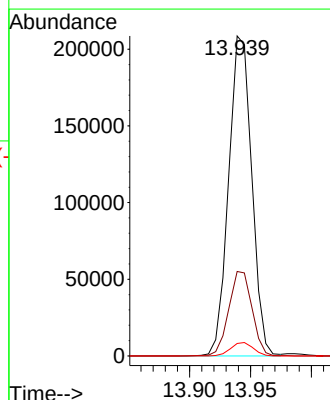
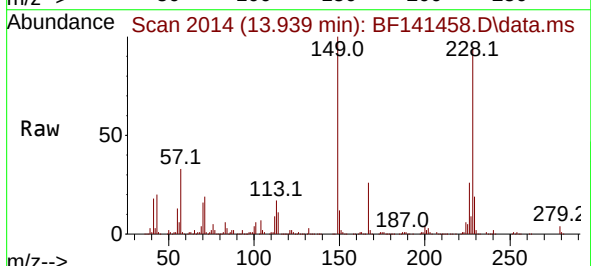
Delta R.T. -0.018 min

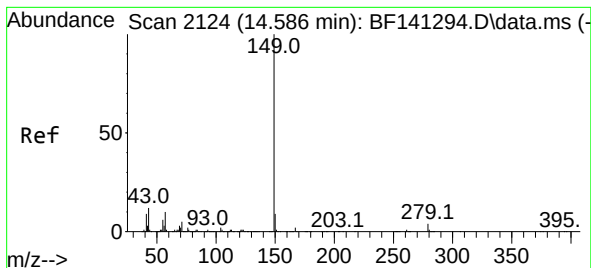
Lab File: BF141458.D

Acq: 05 Feb 2025 20:12

Tgt Ion:149 Resp: 276285

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.8	32.8
279	3.9	3.3	4.9





#85

Di-n-octyl phthalate

Concen: 48.778 ng

RT: 14.568 min Scan# 2124

Delta R.T. -0.018 min

Lab File: BF141458.D

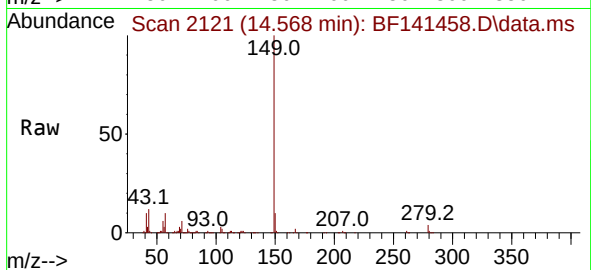
Acq: 05 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

72-11984MS



Tgt Ion:149 Resp: 42480

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

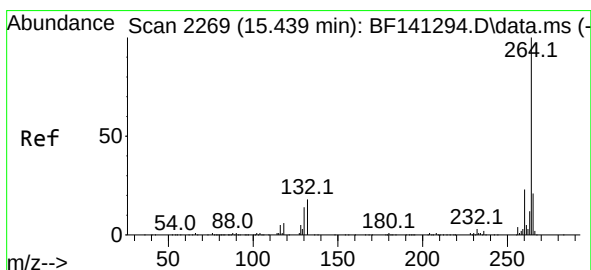
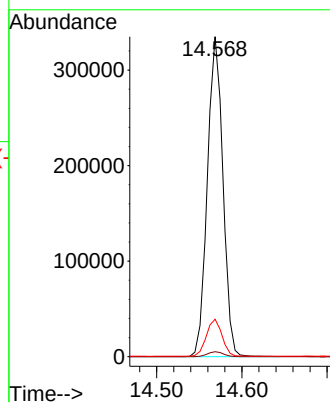
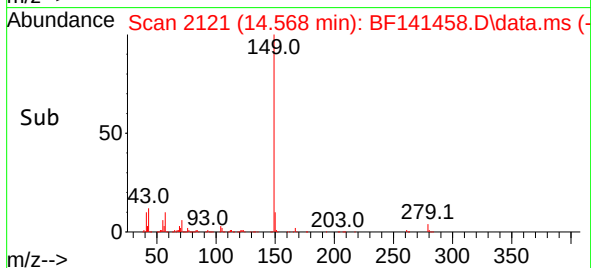
43 11.6 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF141458.D

Acq: 05 Feb 2025 20:12

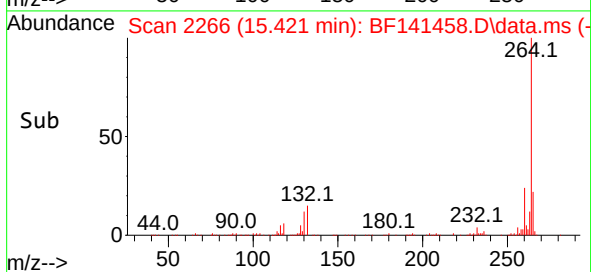
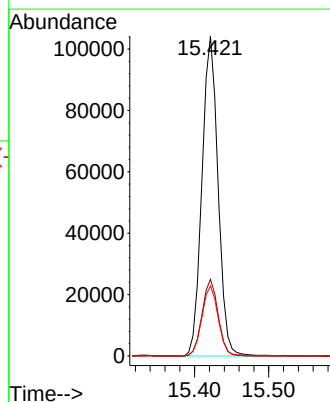
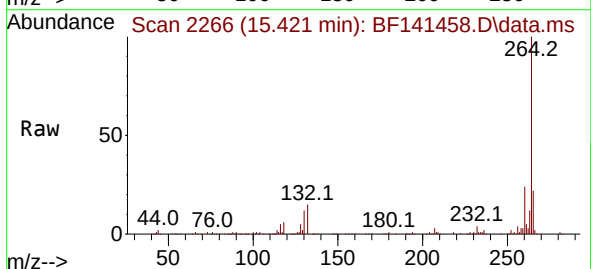
Tgt Ion:264 Resp: 157079

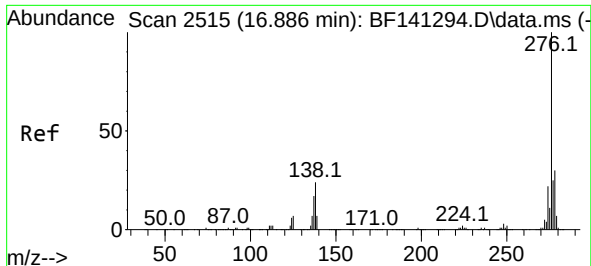
Ion Ratio Lower Upper

264 100

260 23.9 18.6 27.8

265 21.9 16.7 25.1





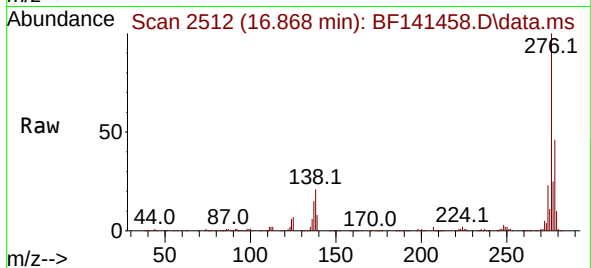
#87
Indeno(1,2,3-cd)pyrene
Concen: 53.117 ng
RT: 16.868 min Scan# 2195
Delta R.T. -0.030 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

Instrument :

BNA_F

ClientSampleId :

72-11984MS

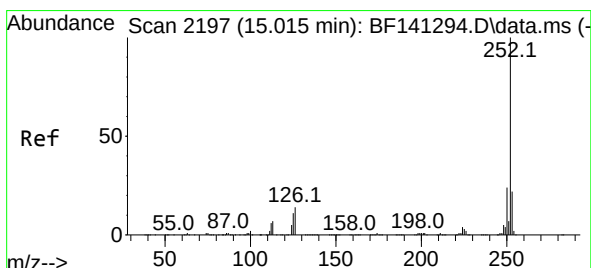
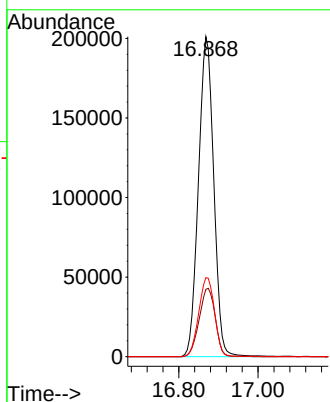
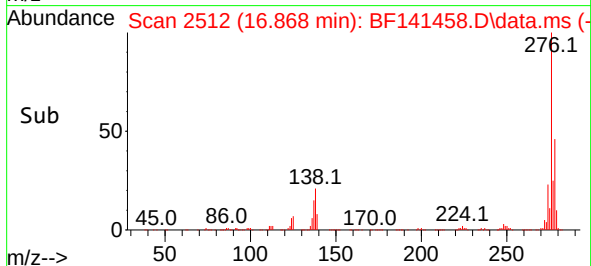


Tgt Ion:276 Resp: 538520
Ion Ratio Lower Upper
276 100
138 22.4 21.7 32.5
277 25.5 20.3 30.5

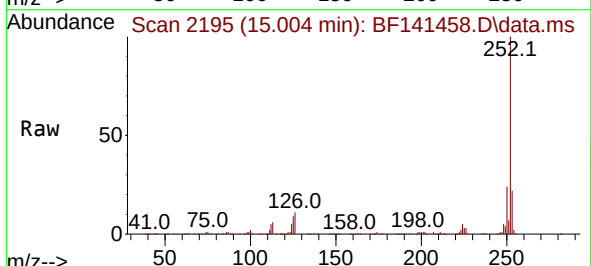
Manual Integrations

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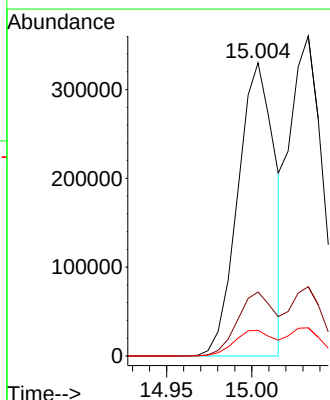
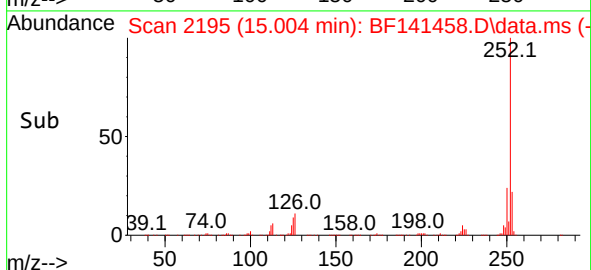
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

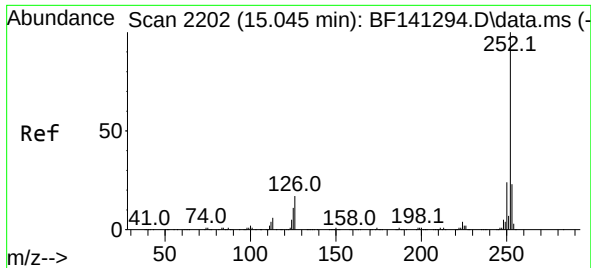


#88
Benzo(b)fluoranthene
Concen: 50.313 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



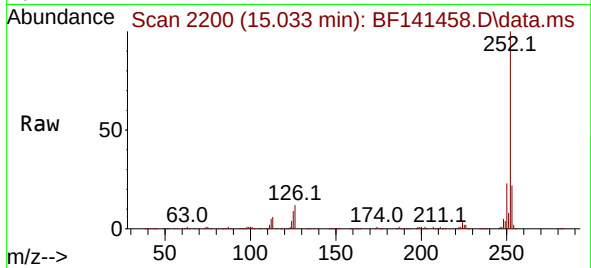
Tgt Ion:252 Resp: 497125
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 8.7 8.6 12.8





#89
Benzo(k)fluoranthene
Concen: 54.984 ng
RT: 15.033 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

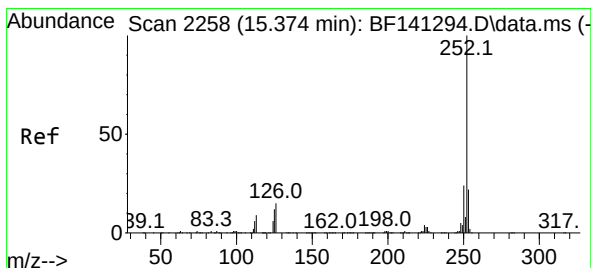
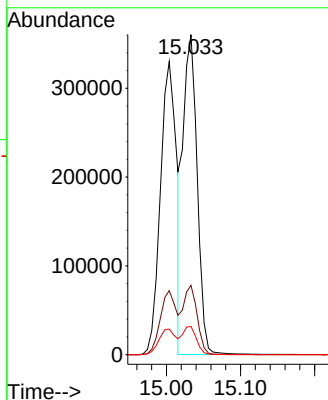
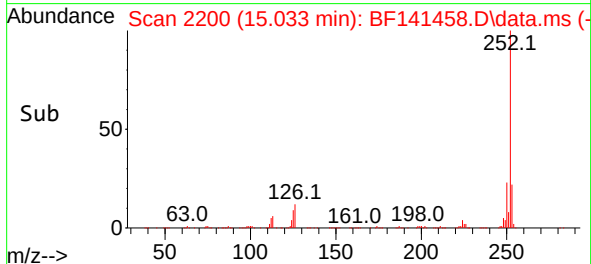
Instrument :
BNA_F
ClientSampleId :
72-11984MS



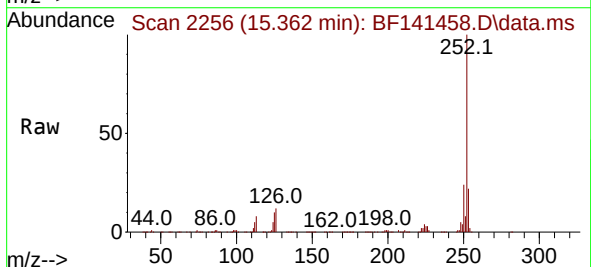
Tgt Ion:252 Resp: 481278
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 8.8 8.4 12.6

Manual Integrations
APPROVED

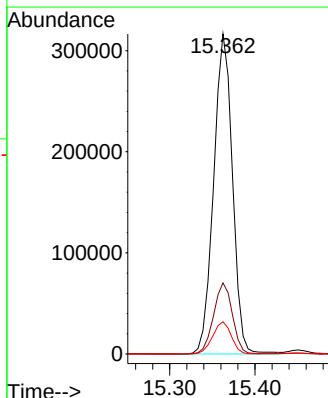
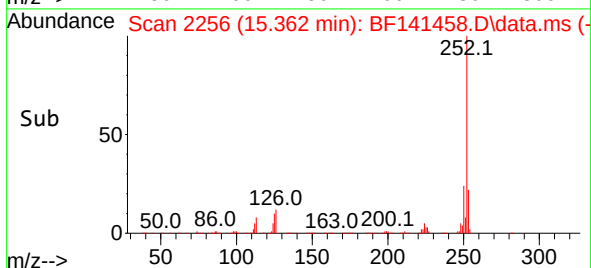
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

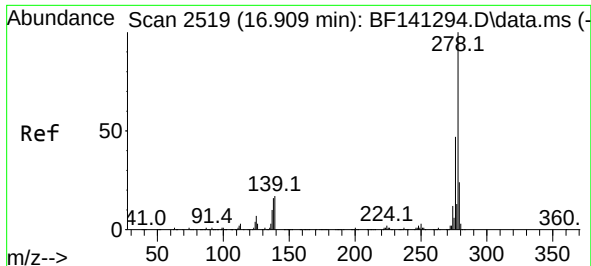


#90
Benzo(a)pyrene
Concen: 58.094 ng
RT: 15.362 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



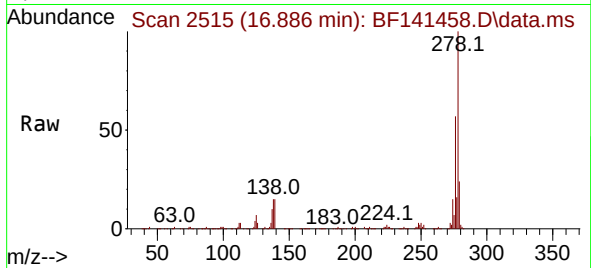
Tgt Ion:252 Resp: 485063
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 10.1 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 54.289 ng
RT: 16.886 min Scan# 2519
Delta R.T. -0.035 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12

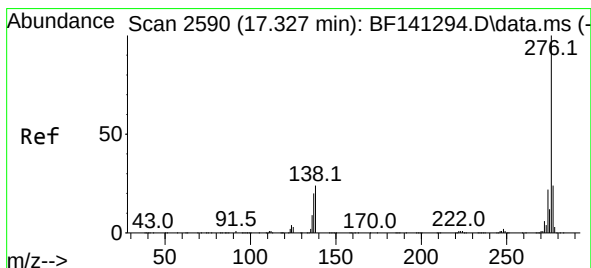
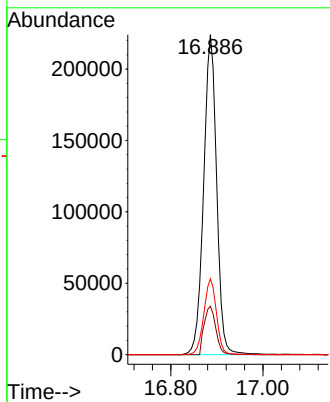
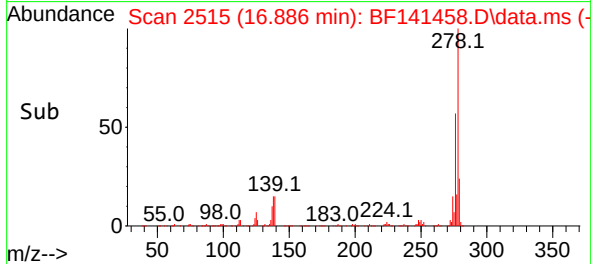
Instrument :
BNA_F
ClientSampleId :
72-11984MS



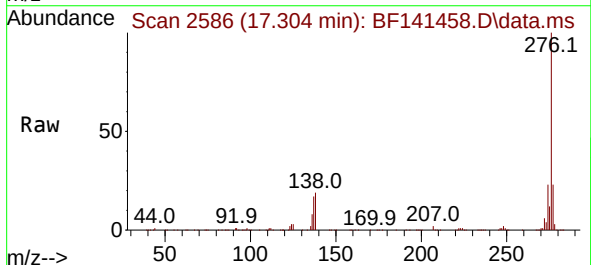
Tgt Ion:278 Resp: 442815
Ion Ratio Lower Upper
278 100
139 15.2 13.9 20.9
279 23.7 18.8 28.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 46.182 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141458.D
Acq: 05 Feb 2025 20:12



Tgt Ion:276 Resp: 391677
Ion Ratio Lower Upper
276 100
277 23.1 19.2 28.8
138 18.7 19.0 28.4#

