

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141442.D
 Acq On : 05 Feb 2025 13:05
 Operator : RC/JU
 Sample : PB166339BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166339BS

Manual Integrations
 APPROVED

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

Quant Time: Feb 05 13:33:37 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	69540	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	272946	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	150801	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	258651	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	176386	20.000	ng	#-0.01
86) Perylene-d12	15.421	264	154350	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	614151	135.583	ng	0.00
7) Phenol-d6	6.434	99	746861	129.610	ng	0.00
23) Nitrobenzene-d5	7.357	82	499029	96.382	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	210807	152.483	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	926554	94.571	ng	-0.01
79) Terphenyl-d14	12.904	244	1091228	95.409	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.552	88	75743	38.021	ng	96
3) Pyridine	3.281	79	192561	40.118	ng	97
4) n-Nitrosodimethylamine	3.228	42	143225	52.234	ng	84
6) Aniline	6.451	93	185188	37.966	ng	# 3
8) 2-Chlorophenol	6.581	128	238573	49.139	ng	96
9) Benzaldehyde	6.340	77	22504	6.742	ng	98
10) Phenol	6.445	94	283733	46.450	ng	# 68
11) bis(2-Chloroethyl)ether	6.528	93	214452	45.788	ng	99
12) 1,3-Dichlorobenzene	6.728	146	252480	47.164	ng	99
13) 1,4-Dichlorobenzene	6.810	146	258437	48.056	ng	99
14) 1,2-Dichlorobenzene	6.957	146	242260	48.108	ng	98
15) Benzyl Alcohol	6.934	79	210947	53.568	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.063	45	366624	45.016	ng	59
17) 2-Methylphenol	7.051	107	183589	46.527	ng	# 92
18) Hexachloroethane	7.298	117	98645	49.722	ng	98
19) n-Nitroso-di-n-propyla...	7.204	70	162704	47.519	ng	98
20) 3+4-Methylphenols	7.204	107	237802	49.083	ng	93
22) Acetophenone	7.198	105	328523	50.636	ng	99
24) Nitrobenzene	7.375	77	252507	47.060	ng	99
25) Isophorone	7.610	82	435211	48.627	ng	98
26) 2-Nitrophenol	7.692	139	126860	50.132	ng	95
27) 2,4-Dimethylphenol	7.734	122	183402m	56.941	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	262284	45.943	ng	99
29) 2,4-Dichlorophenol	7.939	162	193147	48.983	ng	100
30) 1,2,4-Trichlorobenzene	8.016	180	212618	47.216	ng	100
31) Naphthalene	8.092	128	695787	48.255	ng	100
32) Benzoic acid	7.857	122	138989	46.941	ng	93
33) 4-Chloroaniline	8.145	127	95992	19.632	ng	99
34) Hexachlorobutadiene	8.210	225	134966	51.108	ng	99
35) Caprolactam	8.510	113	60244m	46.782	ng	
36) 4-Chloro-3-methylphenol	8.639	107	214446	50.702	ng	97
37) 2-Methylnaphthalene	8.786	142	446519	48.723	ng	100
38) 1-Methylnaphthalene	8.886	142	415934	46.203	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	210589	49.087	ng	99
41) Hexachlorocyclopentadiene	8.939	237	239778	189.249	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	137710	49.041	ng	99

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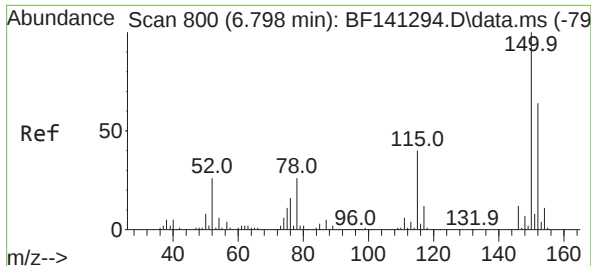
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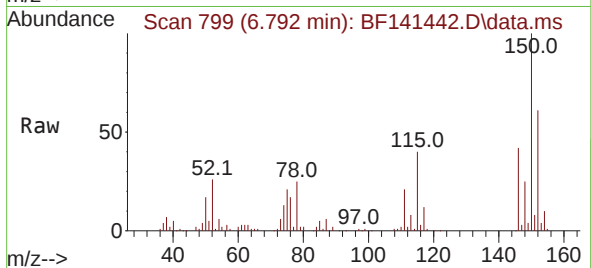
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	146793	48.031	ng	97
46) 1,1'-Biphenyl	9.251	154	558776	47.512	ng	98
47) 2-Chloronaphthalene	9.275	162	420321	45.853	ng	98
48) 2-Nitroaniline	9.375	65	145851	50.584	ng	96
49) Acenaphthylene	9.692	152	652197	50.826	ng	99
50) Dimethylphthalate	9.557	163	496367	48.735	ng	100
51) 2,6-Dinitrotoluene	9.616	165	111896	47.316	ng	96
52) Acenaphthene	9.863	154	505025m	55.091	ng	
53) 3-Nitroaniline	9.786	138	61079	26.352	ng	99
54) 2,4-Dinitrophenol	9.898	184	123829	112.642	ng	90
55) Dibenzofuran	10.033	168	601794	49.043	ng	96
56) 4-Nitrophenol	9.963	139	178017	105.019	ng	89
57) 2,4-Dinitrotoluene	10.022	165	156908	51.247	ng	93
58) Fluorene	10.380	166	479929	50.423	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	130782	54.393	ng	97
60) Diethylphthalate	10.257	149	490998	49.719	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	230375	49.550	ng	96
62) 4-Nitroaniline	10.404	138	112393	49.323	ng	90
63) Azobenzene	10.533	77	478034	48.358	ng	97
65) 4,6-Dinitro-2-methylph...	10.433	198	91072	59.527	ng	99
66) n-Nitrosodiphenylamine	10.492	169	414035	49.492	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	141524	48.874	ng	100
68) Hexachlorobenzene	10.928	284	152677	49.706	ng	99
69) Atrazine	11.022	200	146281	52.298	ng	98
70) Pentachlorophenol	11.127	266	182937	101.707	ng	99
71) Phenanthrene	11.345	178	723012	52.002	ng	99
72) Anthracene	11.392	178	742686	54.517	ng	100
73) Carbazole	11.551	167	649712	53.785	ng	99
74) Di-n-butylphthalate	11.880	149	753424	51.466	ng	100
75) Fluoranthene	12.533	202	760403	55.390	ng	97
77) Benzidine	12.651	184	162405	28.721	ng	99
78) Pyrene	12.763	202	786061	46.426	ng	99
80) Butylbenzylphthalate	13.380	149	297386	50.276	ng	99
81) Benzo(a)anthracene	13.951	228	591257	48.577	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	89685	23.167	ng	97
83) Chrysene	13.986	228	561085	50.299	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	377988	50.375	ng	99
85) Di-n-octyl phthalate	14.568	149	576416	49.459	ng	98
87) Indeno(1,2,3-cd)pyrene	16.874	276	522744	52.473	ng	96
88) Benzo(b)fluoranthene	15.004	252	493180	50.796	ng	98
89) Benzo(k)fluoranthene	15.033	252	460679	53.561	ng	99
90) Benzo(a)pyrene	15.363	252	453060	55.220	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	419457	52.335	ng	97
92) Benzo(g,h,i)perylene	17.304	276	390761	46.889	ng #	95

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

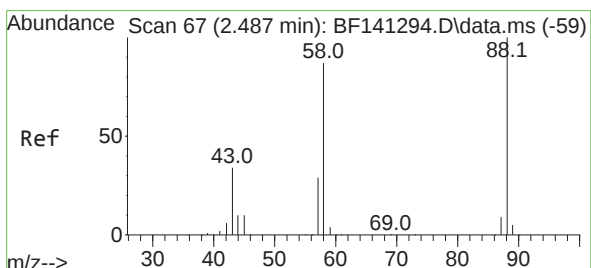
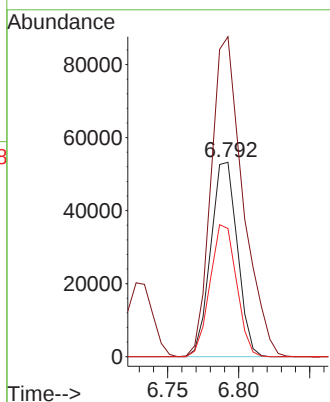
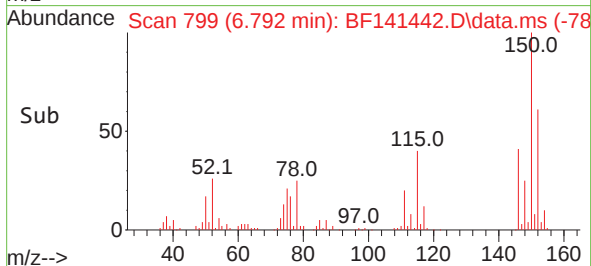
Instrument :
BNA_F
ClientSampleId :
PB166339BS



Tgt Ion:152 Resp: 69540
Ion Ratio Lower Upper
152 100
150 164.5 125.9 188.9
115 65.9 49.7 74.5

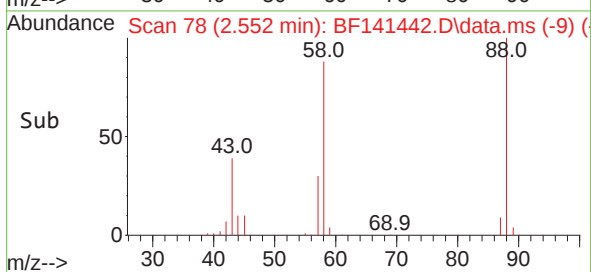
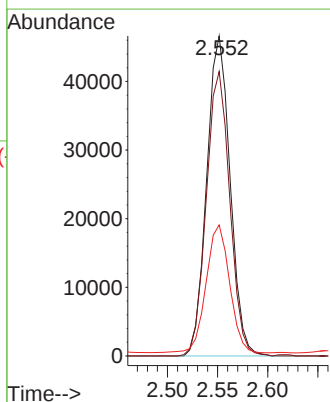
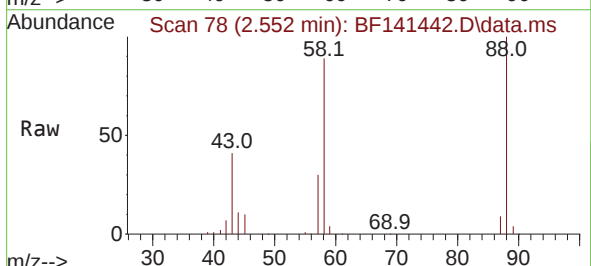
Manual Integrations
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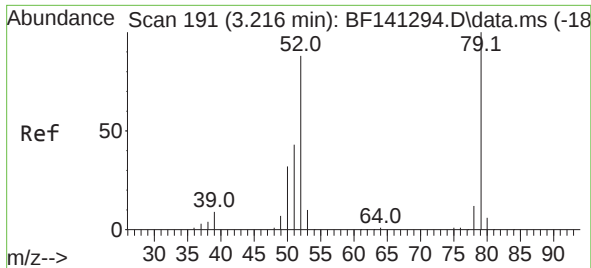
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#2
1,4-Dioxane
Concen: 38.021 ng
RT: 2.552 min Scan# 78
Delta R.T. 0.059 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

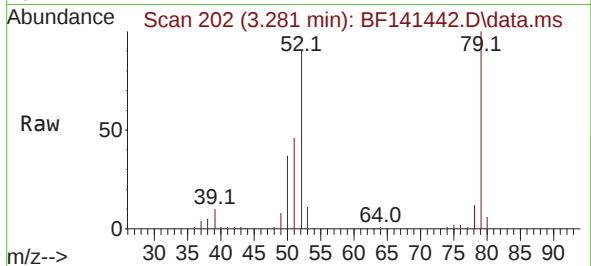
Tgt Ion: 88 Resp: 75743
Ion Ratio Lower Upper
88 100
58 89.4 70.2 105.4
43 40.2 27.6 41.4





#3
Pyridine
Concen: 40.118 ng
RT: 3.281 min Scan# 20
Delta R.T. 0.053 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

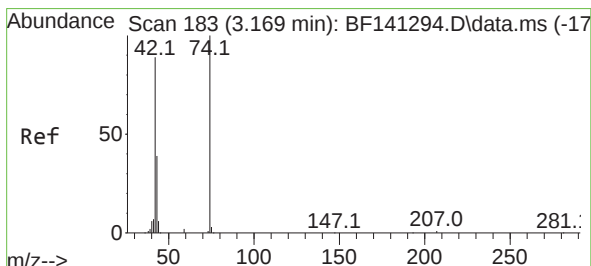
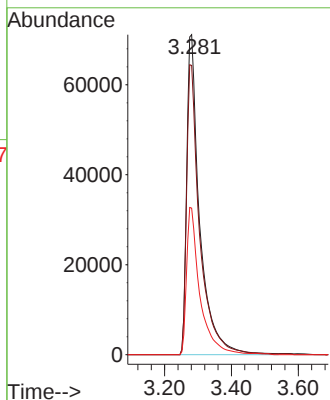
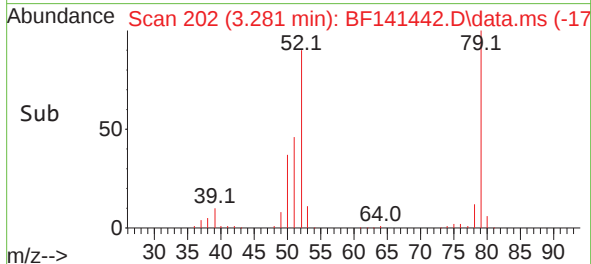
Instrument :
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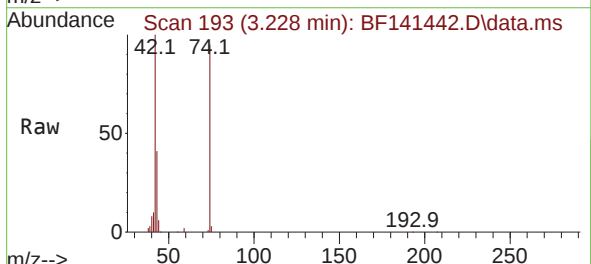
Tgt Ion: 79 Resp: 19256
Ion Ratio Lower Upper
79 100
52 90.4 70.3 105.5
51 45.8 34.3 51.5

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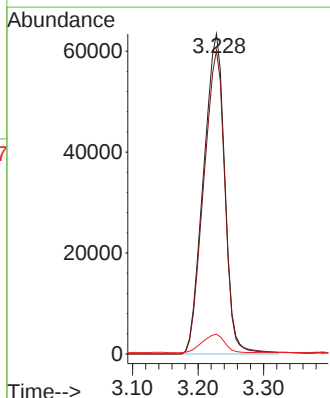
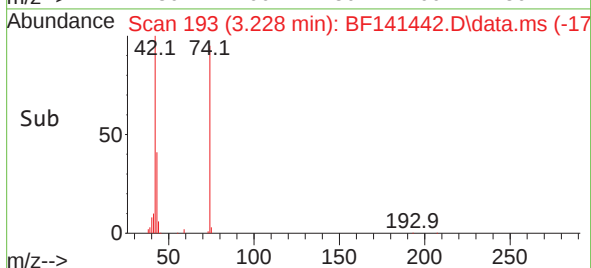
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

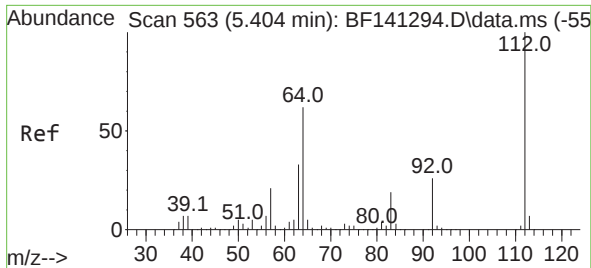


#4
n-Nitrosodimethylamine
Concen: 52.234 ng
RT: 3.228 min Scan# 193
Delta R.T. 0.029 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05



Tgt Ion: 42 Resp: 143225
Ion Ratio Lower Upper
42 100
74 94.9 90.3 135.5
44 6.2 5.7 8.5





#5
2-Fluorophenol
Concen: 135.583 ng
RT: 5.416 min Scan# 501
Delta R.T. 0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

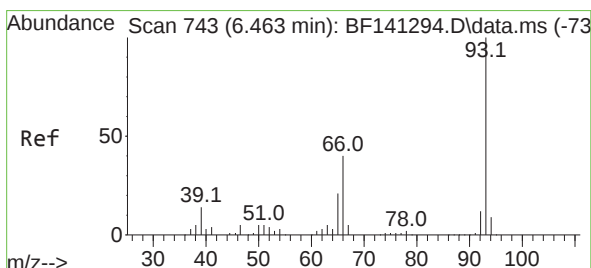
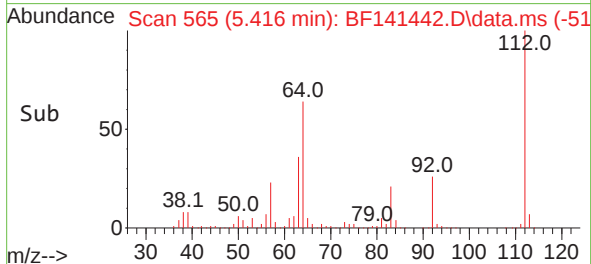
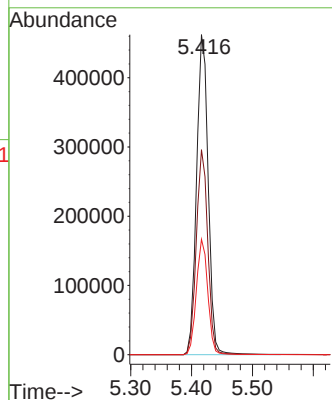
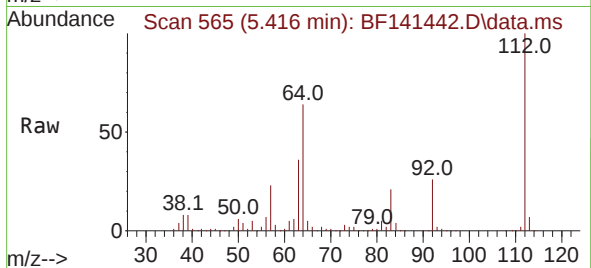
PB166339BS

Tgt Ion:112 Resp: 61415
Ion Ratio Lower Upper
112 100
64 64.0 49.8 74.8
63 36.0 26.1 39.1

Manual Integrations

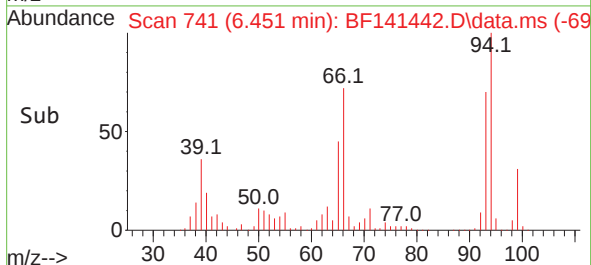
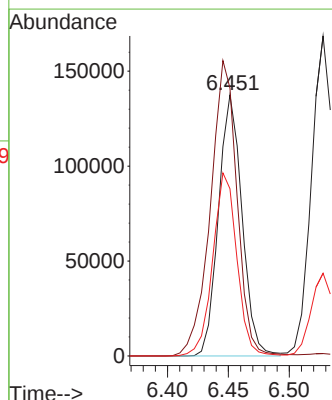
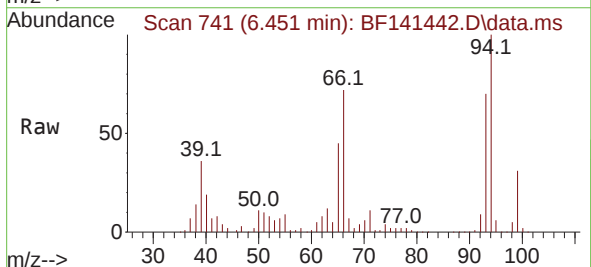
APPROVED

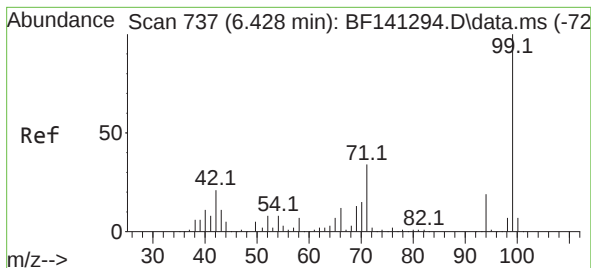
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#6
Aniline
Concen: 37.966 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 93 Resp: 185188
Ion Ratio Lower Upper
93 100
66 102.6 32.5 48.7#
65 64.0 17.0 25.6#





#7

Phenol-d6

Concen: 129.610 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion: 99 Resp: 74686

Ion Ratio Lower Upper

99 100

42 23.2 17.1 25.7

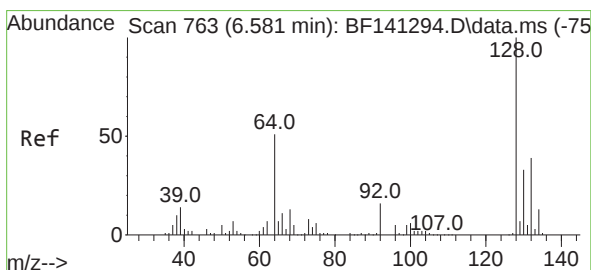
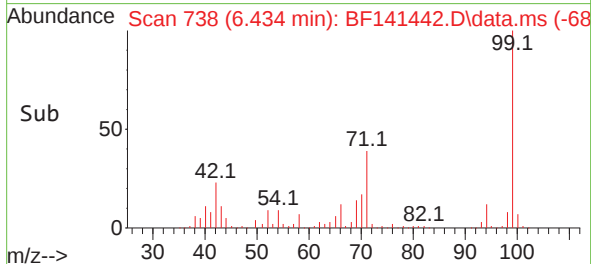
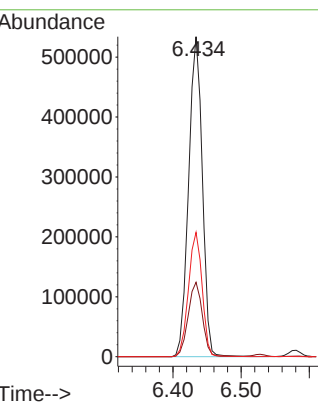
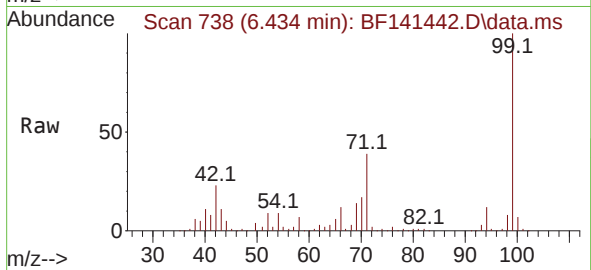
71 38.9 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#8

2-Chlorophenol

Concen: 49.139 ng

RT: 6.581 min Scan# 763

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

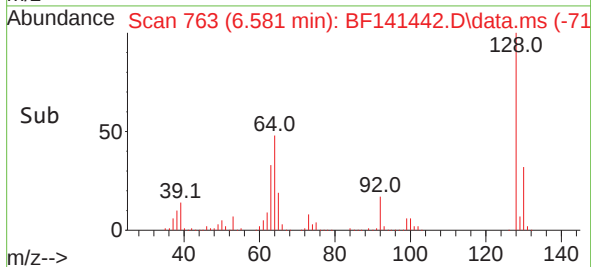
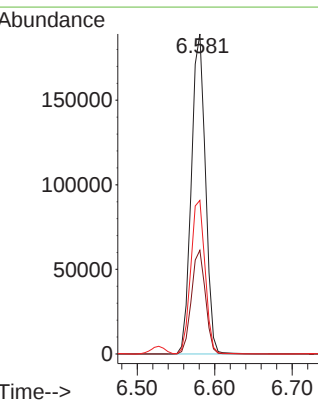
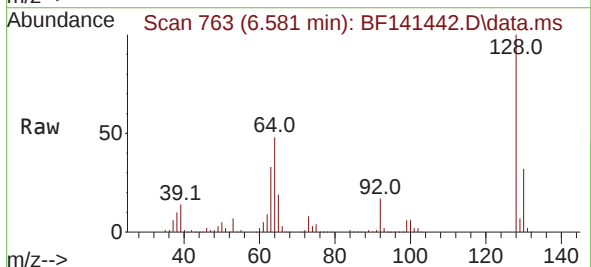
Tgt Ion:128 Resp: 238573

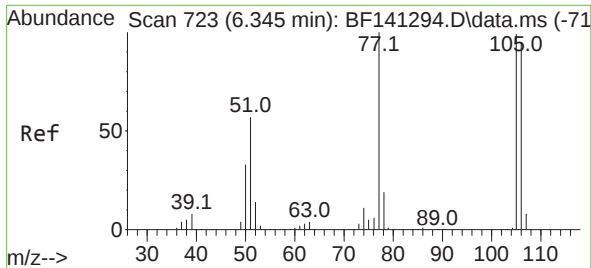
Ion Ratio Lower Upper

128 100

130 32.4 12.5 52.5

64 48.0 32.9 72.9





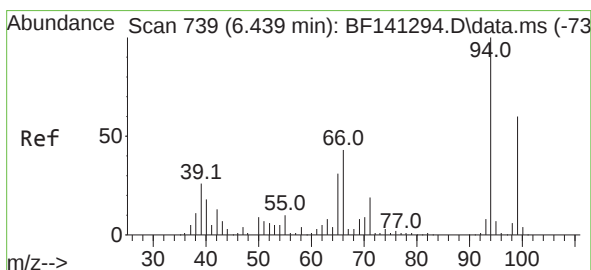
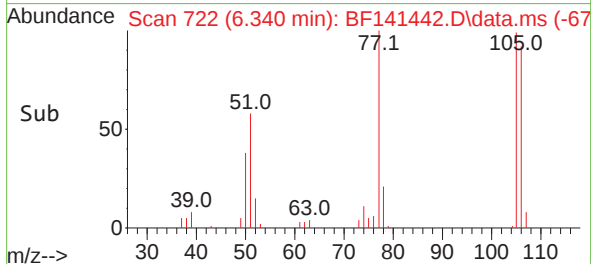
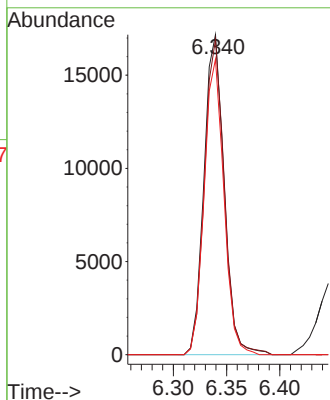
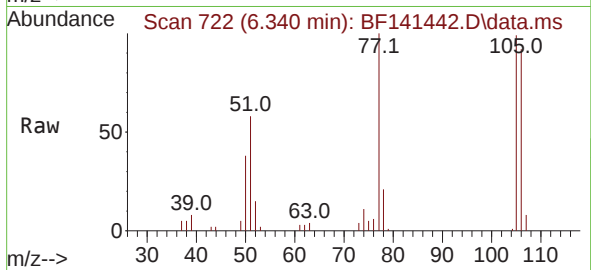
#9
Benzaldehyde
Concen: 6.742 ng
RT: 6.340 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS

Tgt Ion: 77 Resp: 22504
Ion Ratio Lower Upper
77 100
105 98.5 79.4 119.4
106 92.3 74.6 114.6

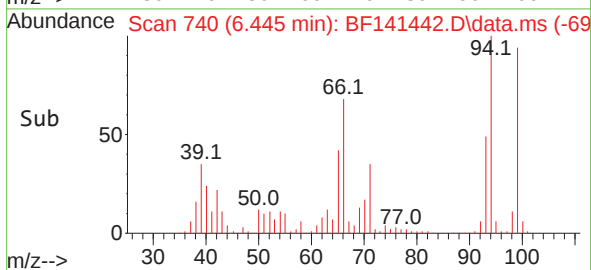
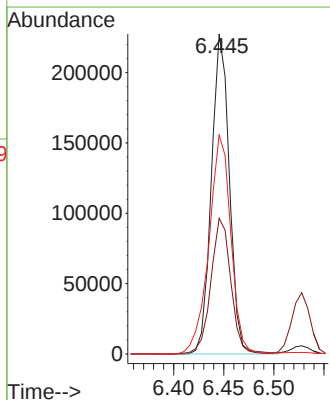
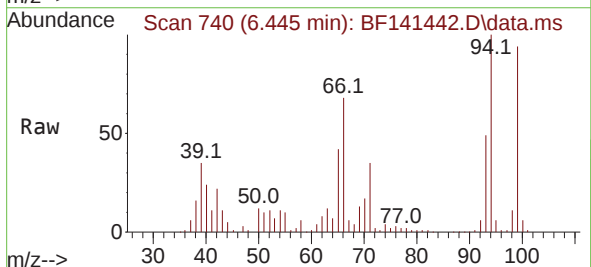
Manual Integrations
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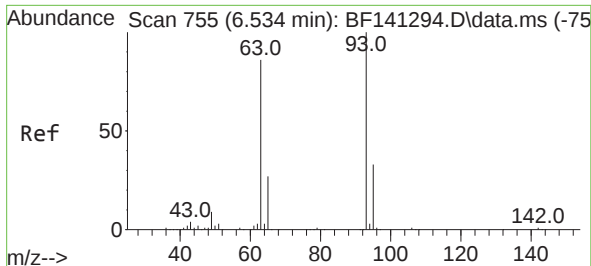
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#10
Phenol
Concen: 46.450 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 94 Resp: 283733
Ion Ratio Lower Upper
94 100
65 42.4 10.8 50.8
66 68.4 23.3 63.3#





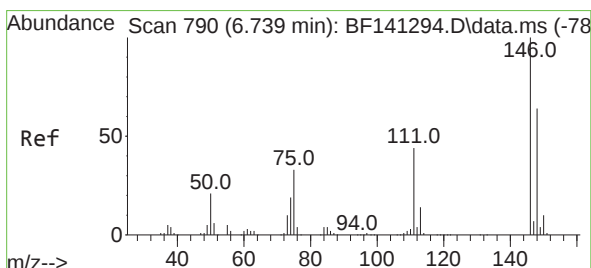
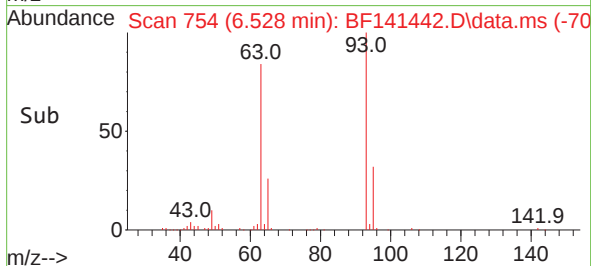
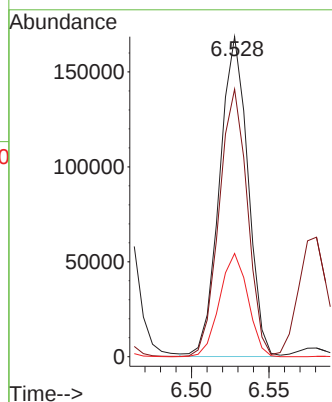
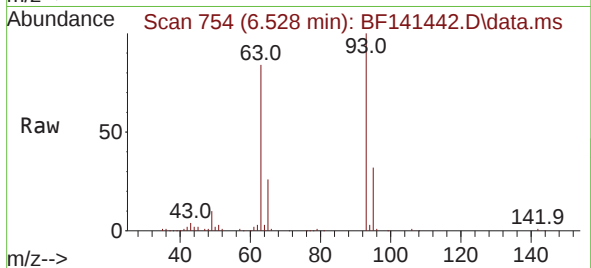
#11
bis(2-Chloroethyl)ether
Concen: 45.788 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS

Tgt Ion: 93 Resp: 214452
Ion Ratio Lower Upper
93 100
63 83.6 65.0 105.0
95 32.3 12.4 52.4

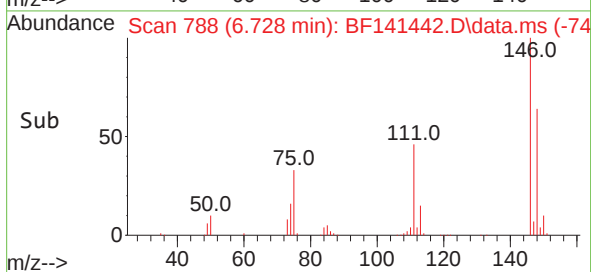
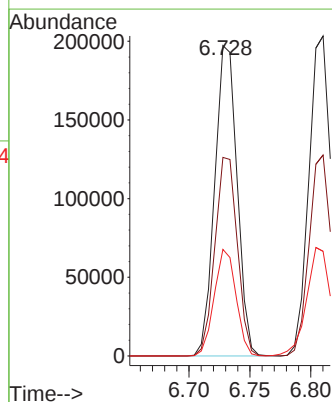
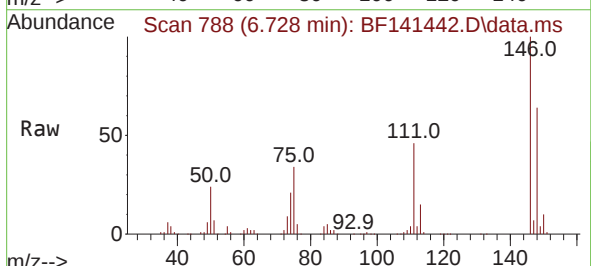
Manual Integrations
APPROVED

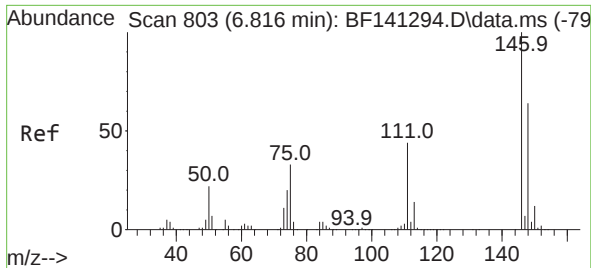
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#12
1,3-Dichlorobenzene
Concen: 47.164 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:146 Resp: 252480
Ion Ratio Lower Upper
146 100
148 64.0 51.2 76.8
75 34.4 26.2 39.4





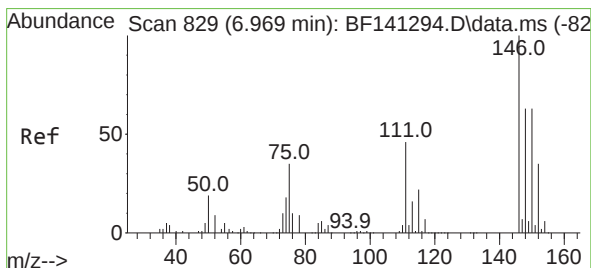
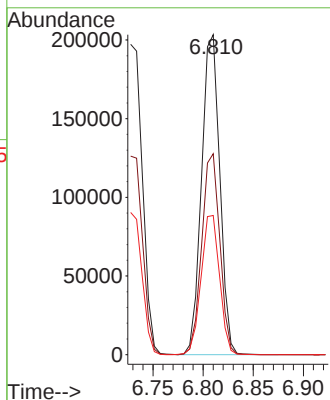
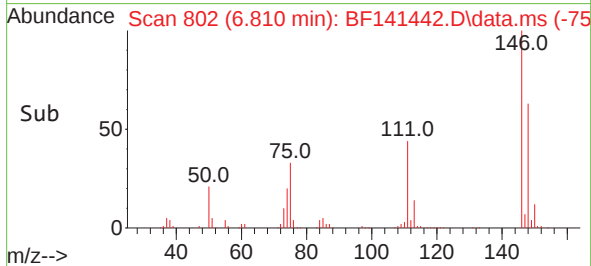
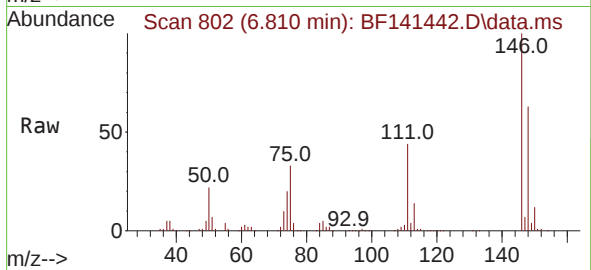
#13
1,4-Dichlorobenzene
Concen: 48.056 ng
RT: 6.810 min Scan# 803
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS

Tgt Ion:146 Resp: 25843
Ion Ratio Lower Upper
146 100
148 62.8 51.2 76.8
111 43.5 35.0 52.4

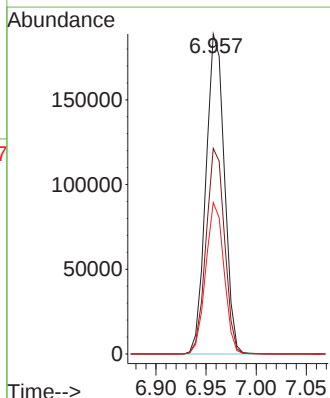
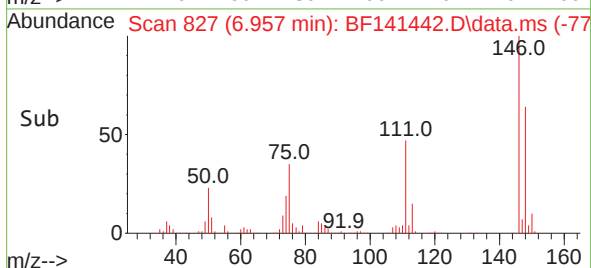
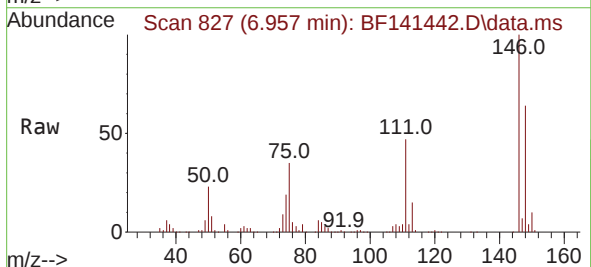
Manual Integrations
APPROVED

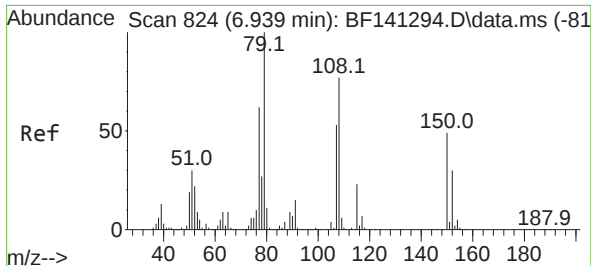
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#14
1,2-Dichlorobenzene
Concen: 48.108 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

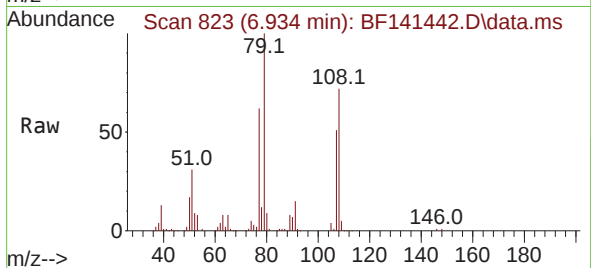
Tgt Ion:146 Resp: 242260
Ion Ratio Lower Upper
146 100
148 64.2 50.5 75.7
111 47.3 36.6 55.0





#15
Benzyl Alcohol
Concen: 53.568 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

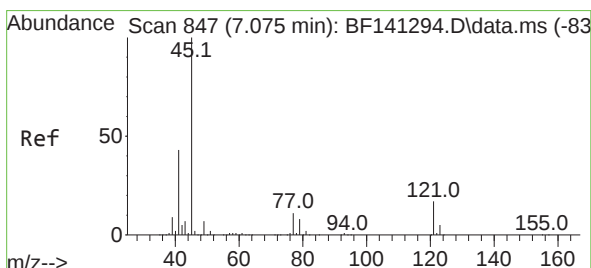
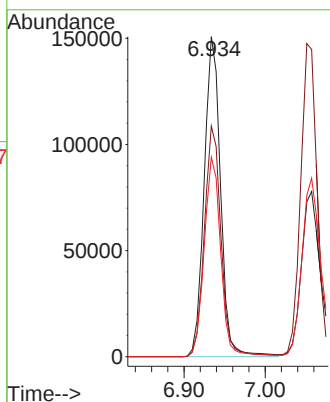
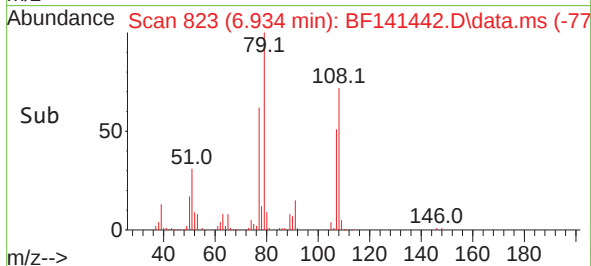
Instrument :
BNA_F
ClientSampleId :
PB166339BS



Tgt Ion: 79 Resp: 21094
Ion Ratio Lower Upper
79 100
108 72.1 61.4 92.0
77 62.3 49.9 74.9

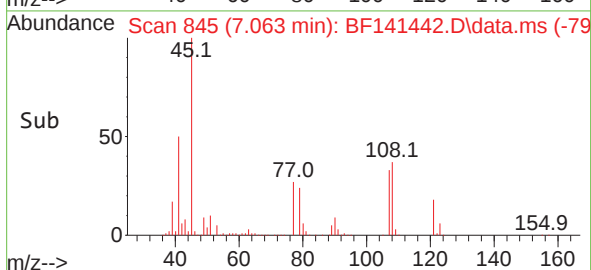
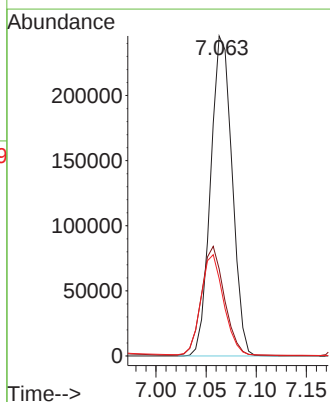
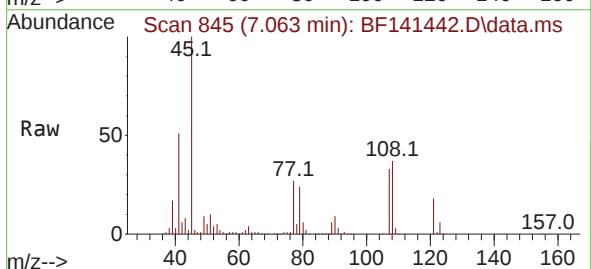
Manual Integrations
APPROVED

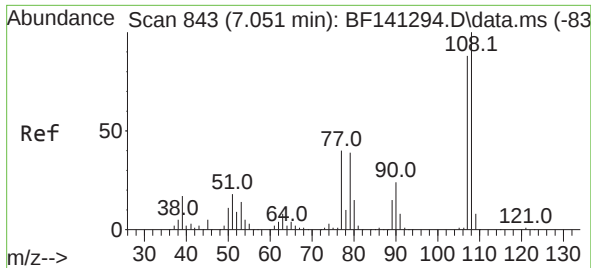
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.016 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion: 45 Resp: 366624
Ion Ratio Lower Upper
45 100
77 27.2 0.0 31.8
79 24.2 0.0 29.1





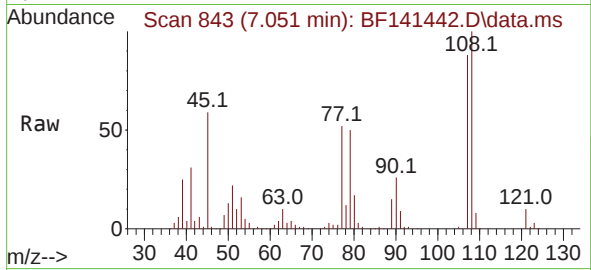
#17
2-Methylphenol
Concen: 46.527 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

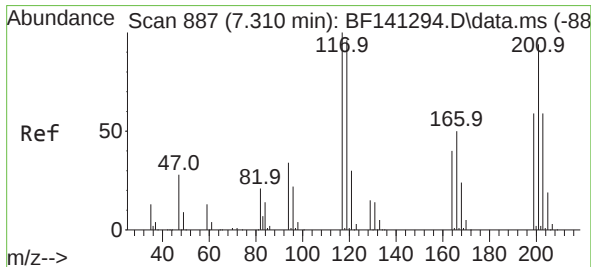
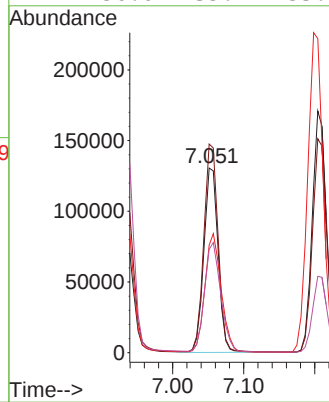
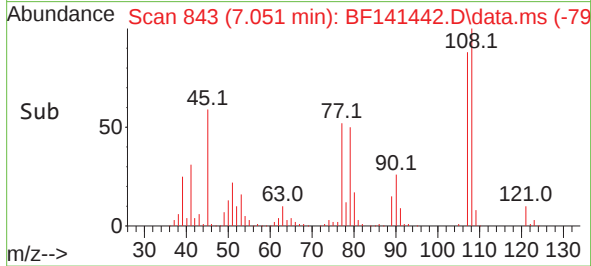


Tgt Ion:107 Resp: 183589
Ion Ratio Lower Upper
107 100
108 113.0 90.8 136.2
77 58.3 36.2 54.4
79 56.0 35.7 53.5#

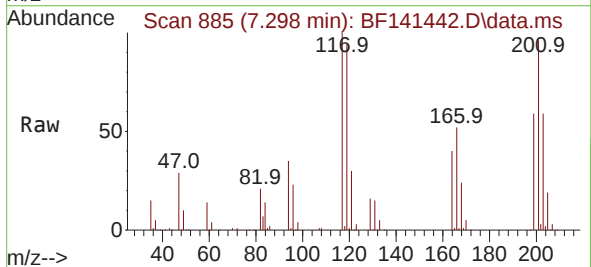
Manual Integrations

APPROVED

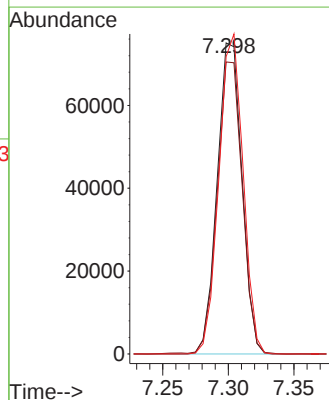
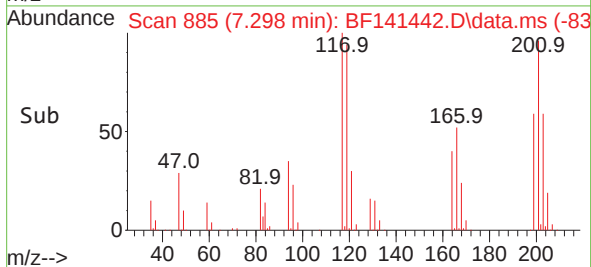
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

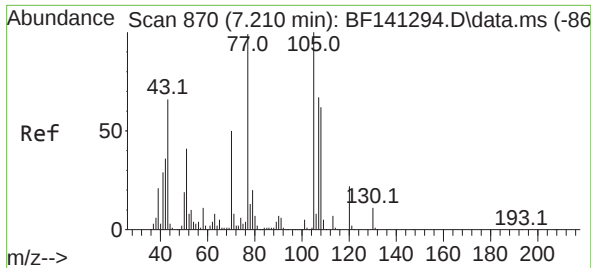


#18
Hexachloroethane
Concen: 49.722 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05



Tgt Ion:117 Resp: 98645
Ion Ratio Lower Upper
117 100
119 93.9 76.6 114.8
201 95.6 74.8 112.2





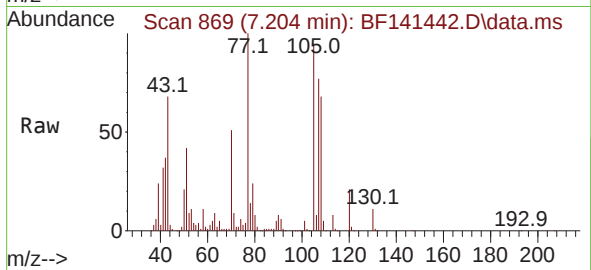
#19
n-Nitroso-di-n-propylamine
Concen: 47.519 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.024 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

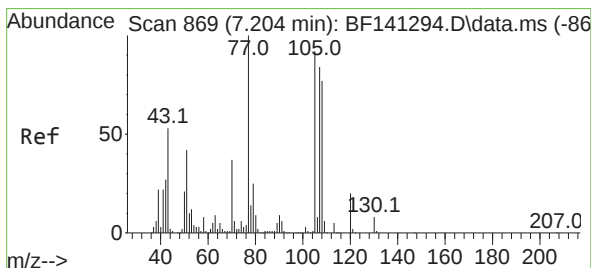
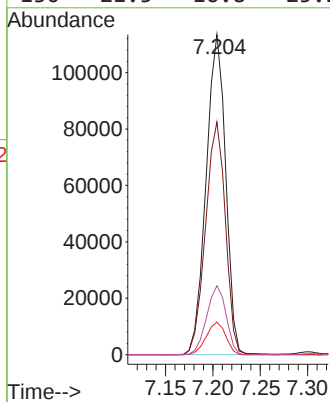
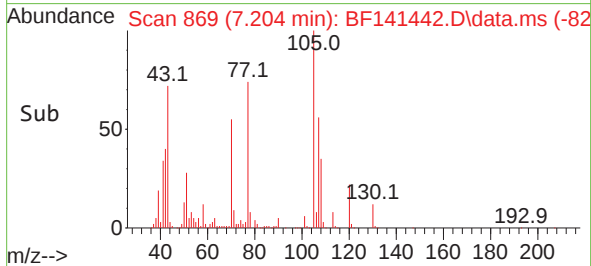


Tgt Ion: 70 Resp: 162704
Ion Ratio Lower Upper
70 100
42 72.7 56.8 85.2
101 10.2 7.7 11.5
130 21.5 16.8 25.2

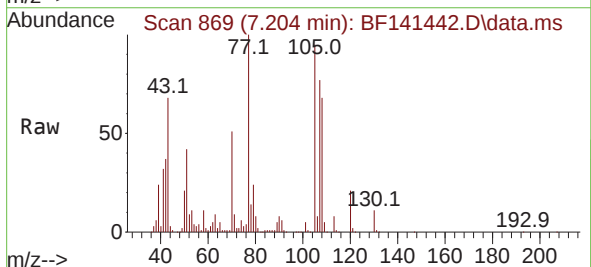
Manual Integrations

APPROVED

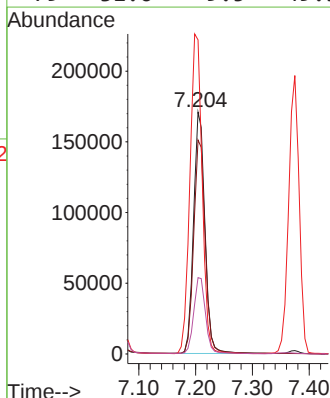
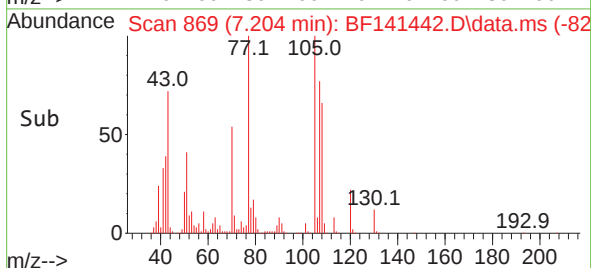
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

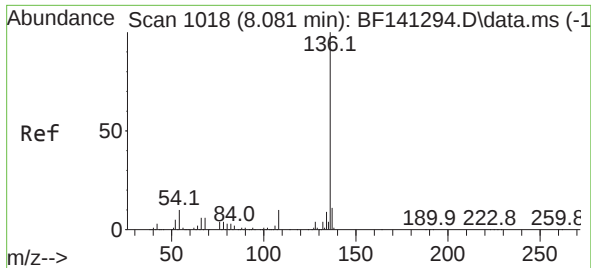


#20
3+4-Methylphenols
Concen: 49.083 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05



Tgt Ion:107 Resp: 237802
Ion Ratio Lower Upper
107 100
108 88.5 70.9 110.9
77 129.9 98.5 138.5
79 31.6 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: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

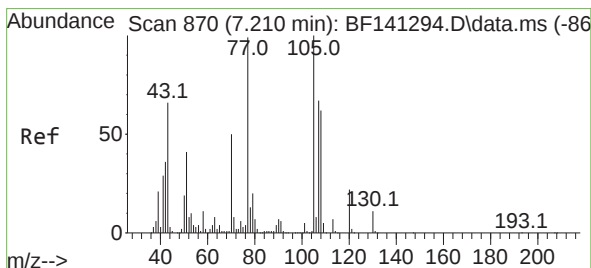
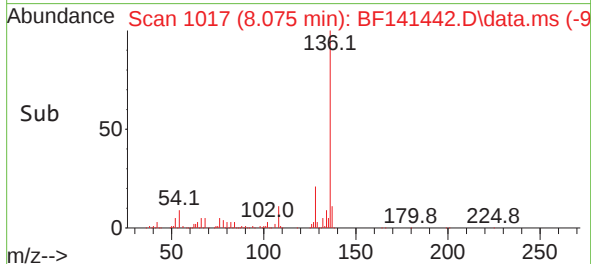
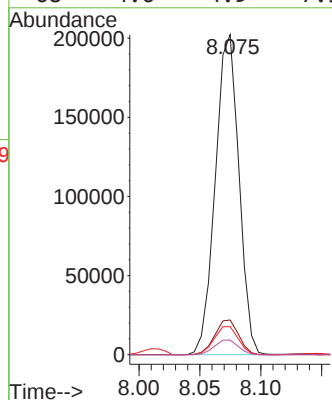
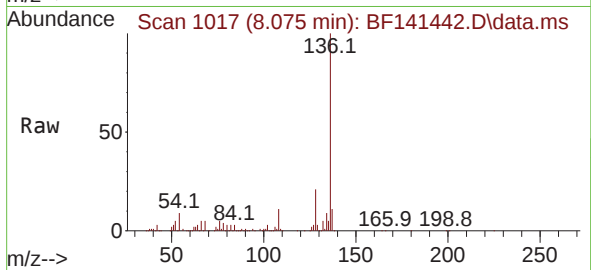
PB166339BS

Tgt Ion:136 Resp: 272940
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.8 7.8 11.8
68 4.6 4.9 7.3#

Manual Integrations

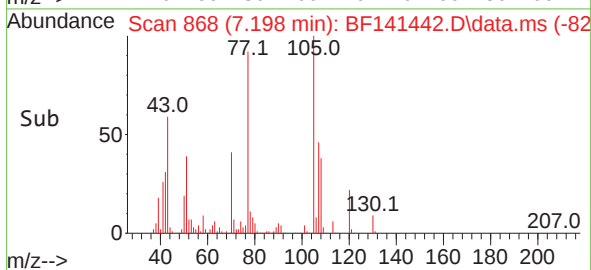
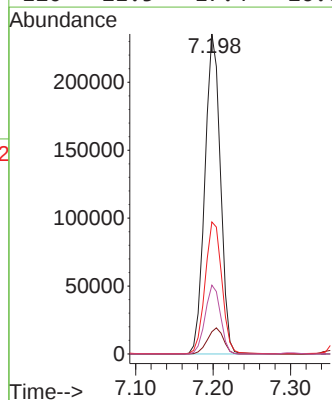
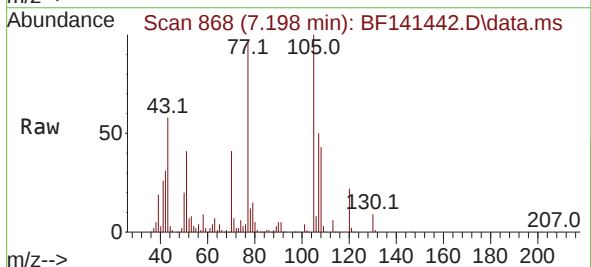
APPROVED

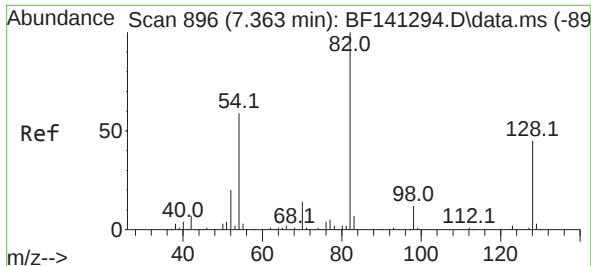
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#22
Acetophenone
Concen: 50.636 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:105 Resp: 328523
Ion Ratio Lower Upper
105 100
71 7.0 6.8 10.2
51 41.2 32.6 49.0
120 21.5 17.4 26.0





#23

Nitrobenzene-d5

Concen: 96.382 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141442.D

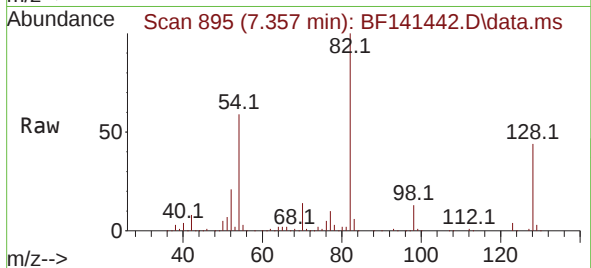
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS



Tgt Ion: 82 Resp: 499029

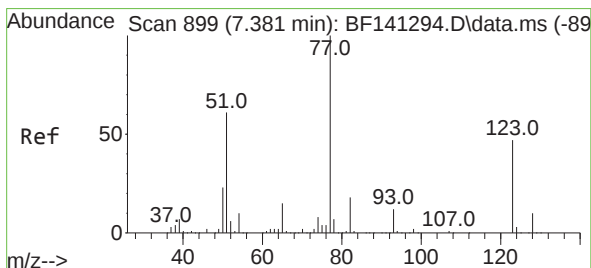
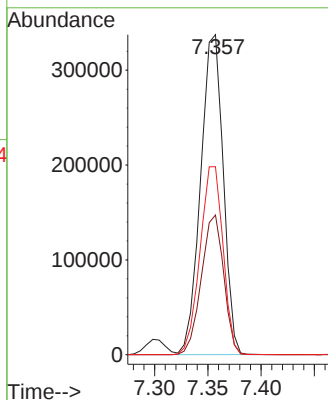
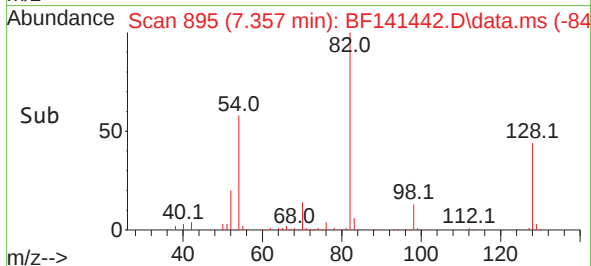
Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.7	53.5
54	58.7	47.1	70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#24

Nitrobenzene

Concen: 47.060 ng

RT: 7.375 min Scan# 898

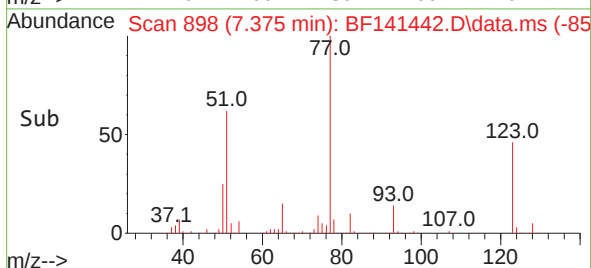
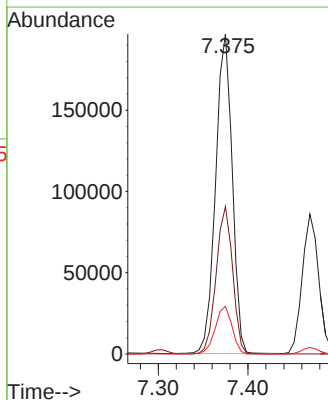
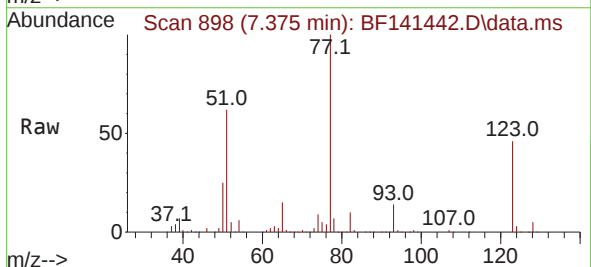
Delta R.T. -0.018 min

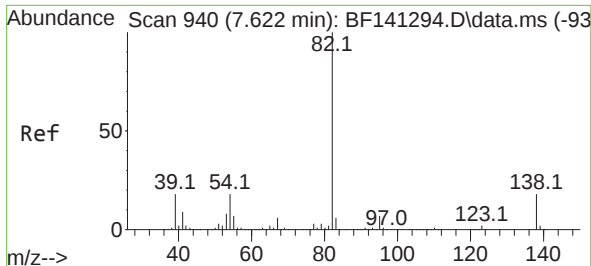
Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Tgt Ion: 77 Resp: 252507

Ion	Ratio	Lower	Upper
77	100		
123	46.1	37.3	55.9
65	14.9	11.8	17.6





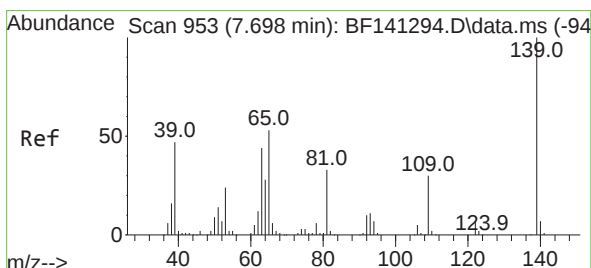
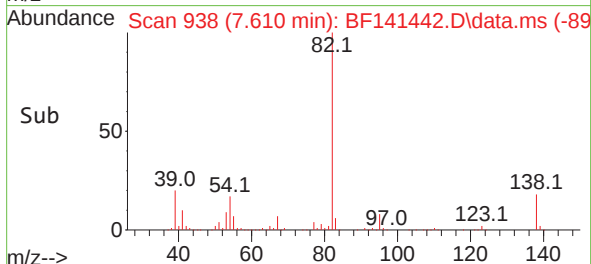
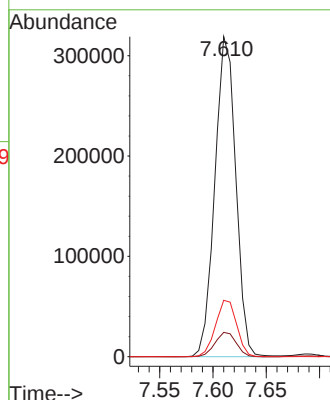
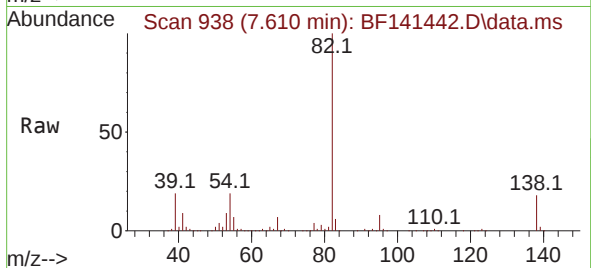
#25
Isophorone
Concen: 48.627 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS

Tgt Ion: 82 Resp: 43521
Ion Ratio Lower Upper
82 100
95 7.6 5.8 8.6
138 17.6 14.7 22.1

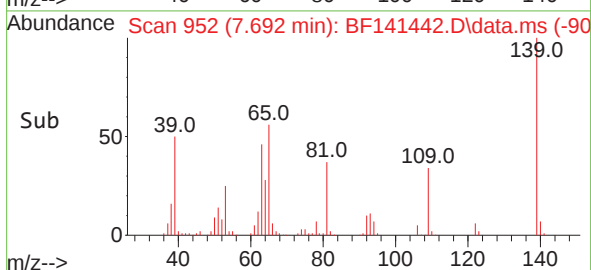
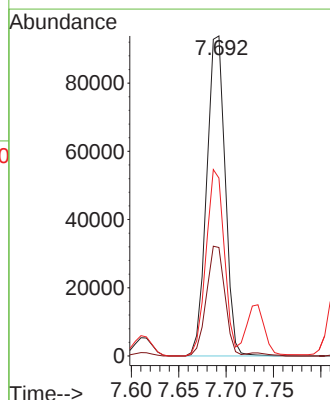
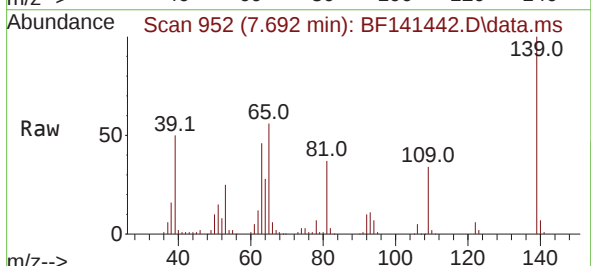
Manual Integrations
APPROVED

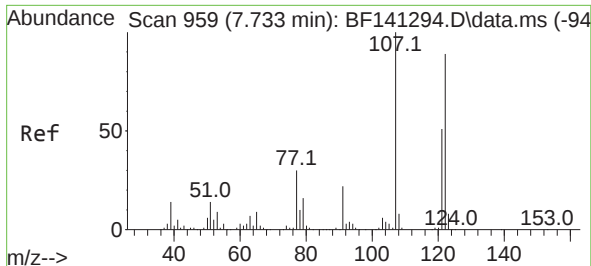
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#26
2-Nitrophenol
Concen: 50.132 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:139 Resp: 126860
Ion Ratio Lower Upper
139 100
109 33.9 23.8 35.6
65 55.6 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 56.941 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141442.D

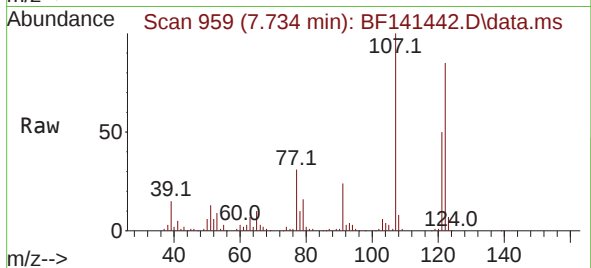
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS



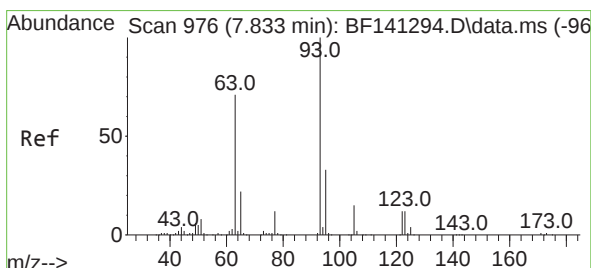
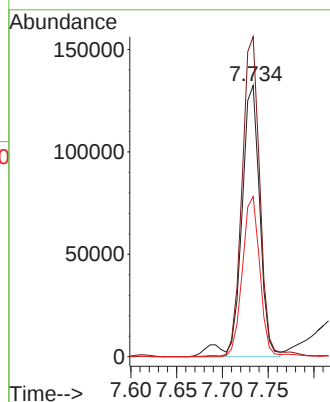
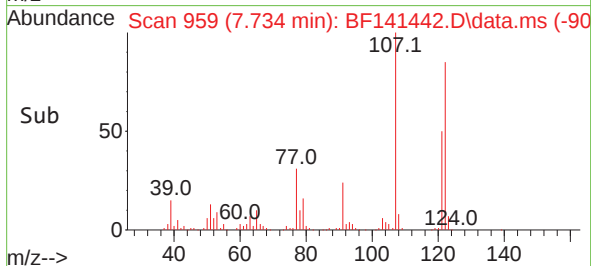
Tgt Ion:	122	Resp:	18340
Ion	Ratio	Lower	Upper
122	100		
107	118.0	89.9	134.9
121	59.0	46.1	69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#28

bis(2-Chloroethoxy)methane

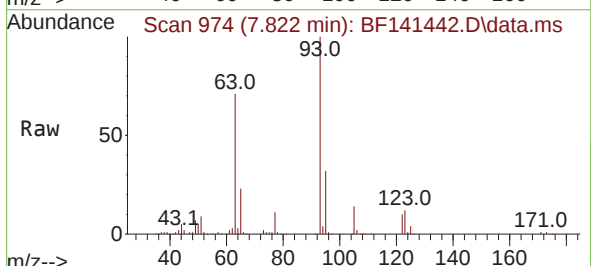
Concen: 45.943 ng

RT: 7.822 min Scan# 974

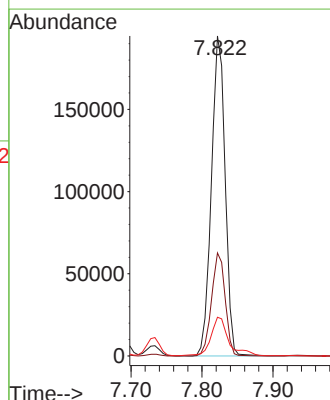
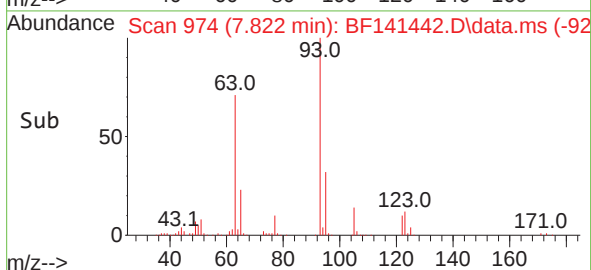
Delta R.T. -0.018 min

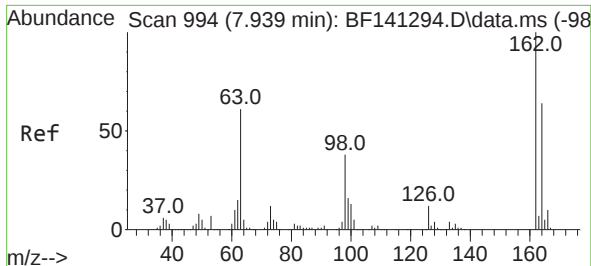
Lab File: BF141442.D

Acq: 05 Feb 2025 13:05



Tgt Ion:	93	Resp:	262284
Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.2
123	12.1	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 48.983 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141442.D

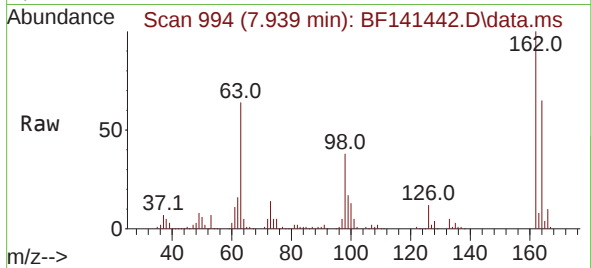
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS



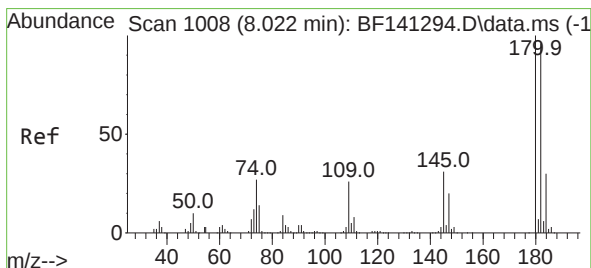
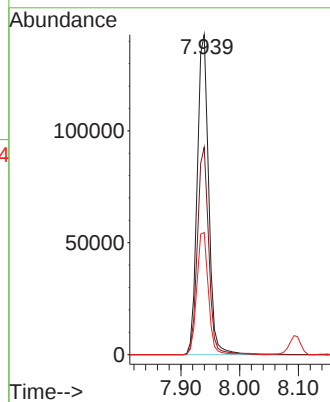
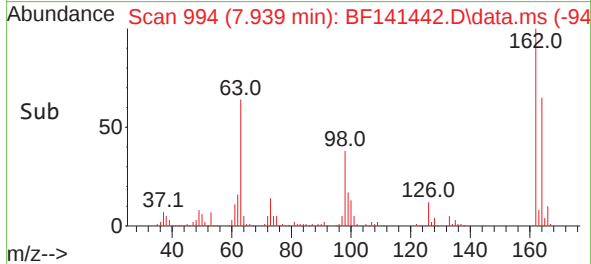
Tgt Ion:162	Resp:	19314
Ion Ratio	Lower	Upper
162	100	
164	64.8	44.2 84.2
98	38.2	18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#30

1,2,4-Trichlorobenzene

Concen: 47.216 ng

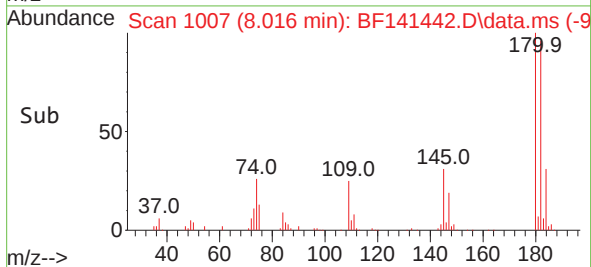
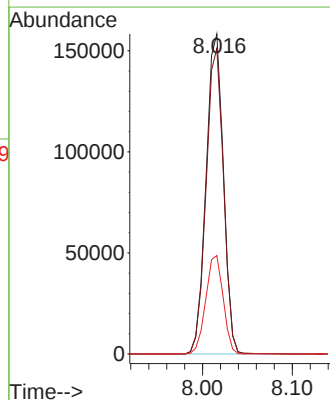
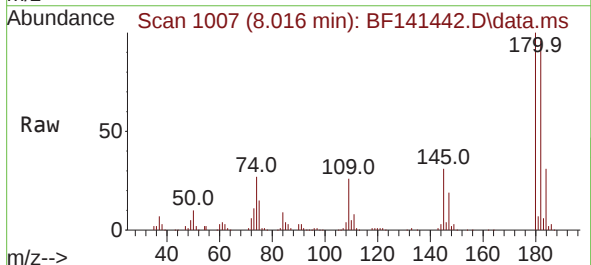
RT: 8.016 min Scan# 1007

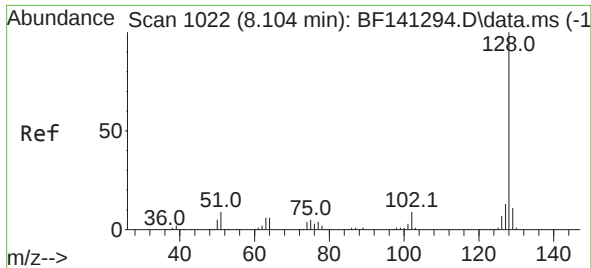
Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

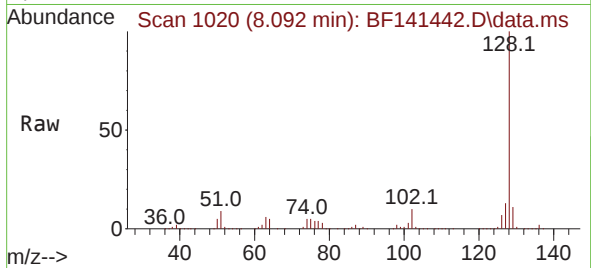
Tgt Ion:180	Resp:	212618
Ion Ratio	Lower	Upper
180	100	
182	95.5	76.4 114.6
145	30.8	24.9 37.3





#31
Naphthalene
Concen: 48.255 ng
RT: 8.092 min Scan# 1022
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

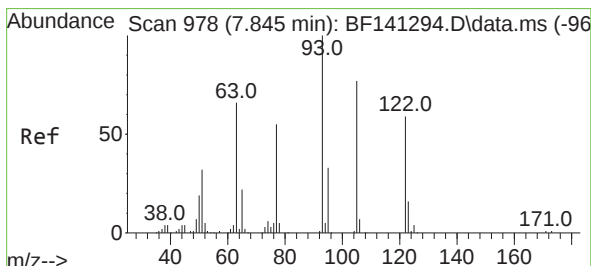
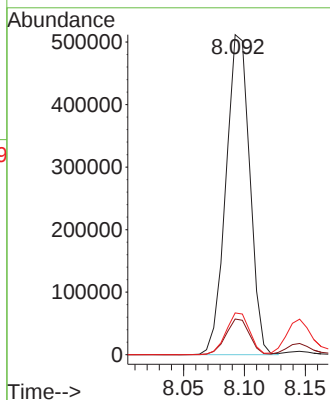
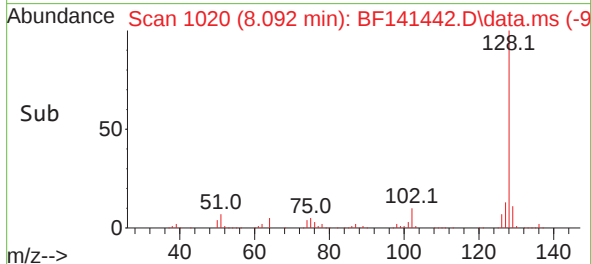
Instrument :
BNA_F
ClientSampleId :
PB166339BS



Tgt Ion:128 Resp: 69578
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.1 10.6 15.8

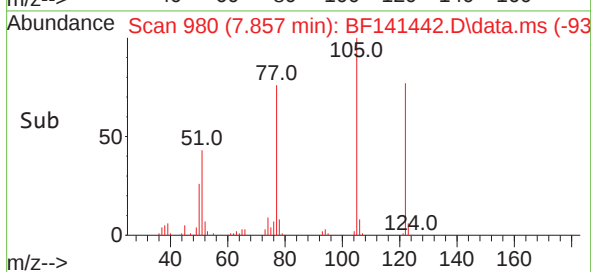
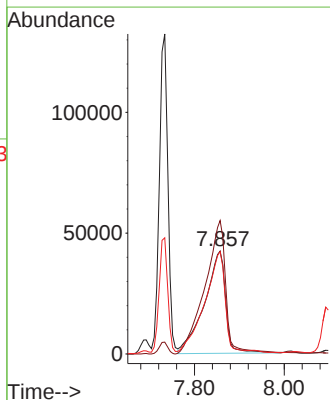
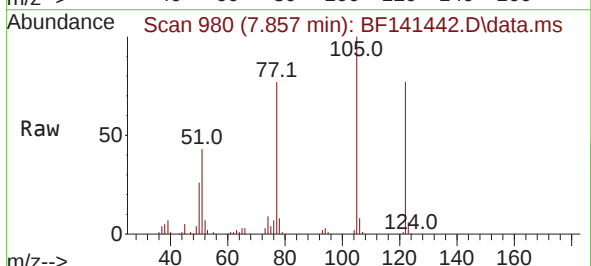
Manual Integrations
APPROVED

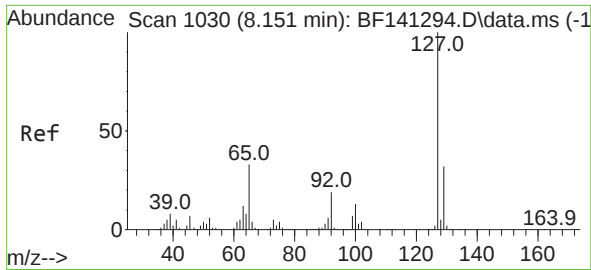
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#32
Benzoic acid
Concen: 46.941 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:122 Resp: 138989
Ion Ratio Lower Upper
122 100
105 129.7 103.4 143.4
77 99.5 70.9 110.9





#33
4-Chloroaniline
Concen: 19.632 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

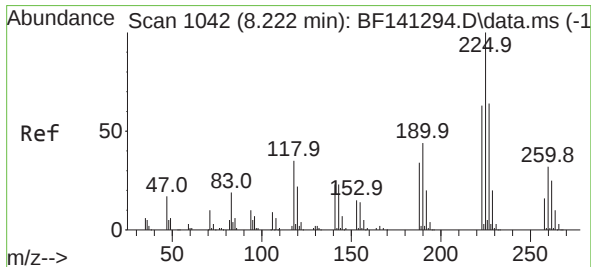
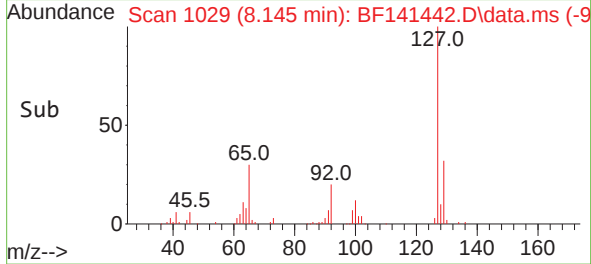
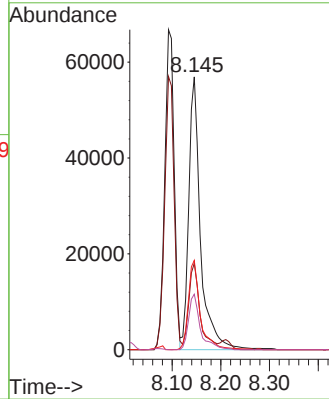
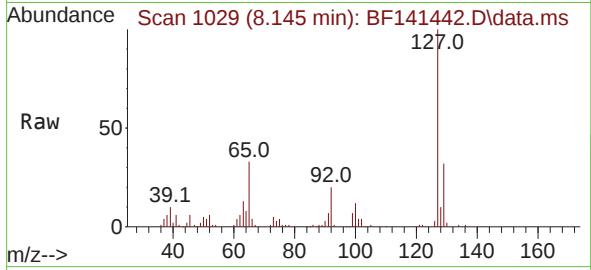
PB166339BS

Tgt Ion:127 Resp: 95992
Ion Ratio Lower Upper
127 100
129 31.7 25.7 38.5
65 32.7 26.4 39.6
92 20.4 15.1 22.7

Manual Integrations

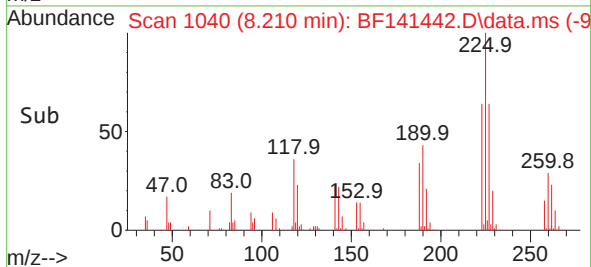
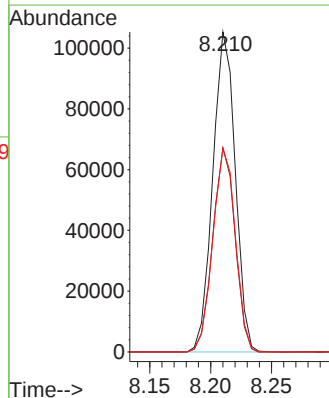
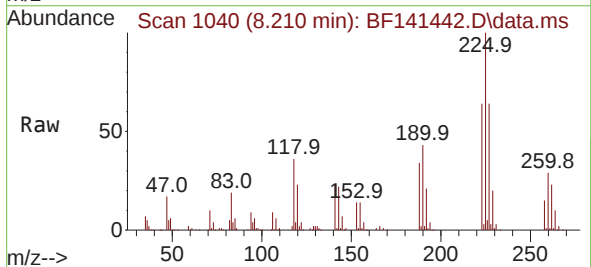
APPROVED

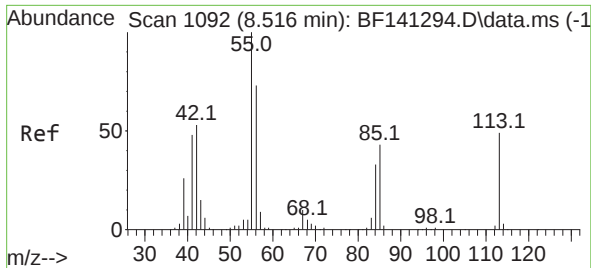
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#34
Hexachlorobutadiene
Concen: 51.108 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

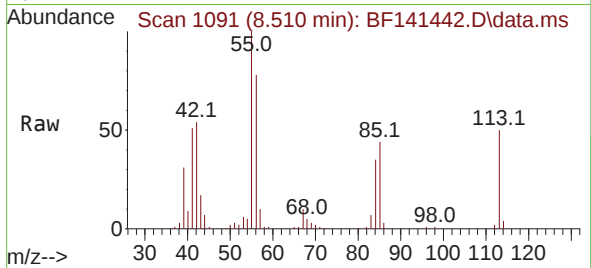
Tgt Ion:225 Resp: 134966
Ion Ratio Lower Upper
225 100
223 63.7 50.4 75.6
227 63.7 51.3 76.9





#35
Caprolactam
Concen: 46.782 ng m
RT: 8.510 min Scan# 1092
Delta R.T. -0.035 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

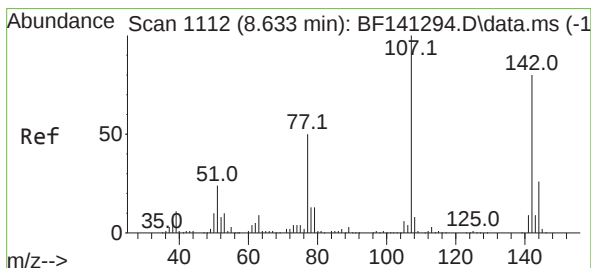
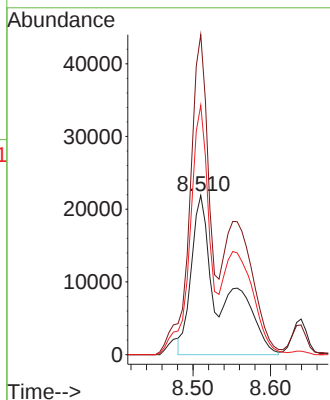
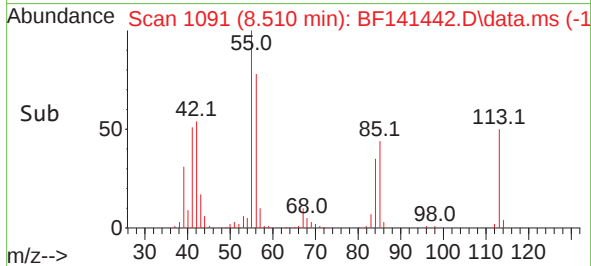
Instrument :
BNA_F
ClientSampleId :
PB166339BS



Tgt Ion:113 Resp: 60244
Ion Ratio Lower Upper
113 100
55 200.9 182.9 222.9
56 156.6 127.9 167.9

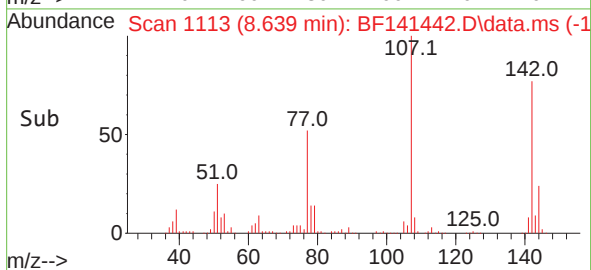
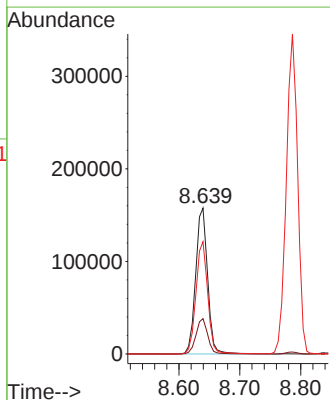
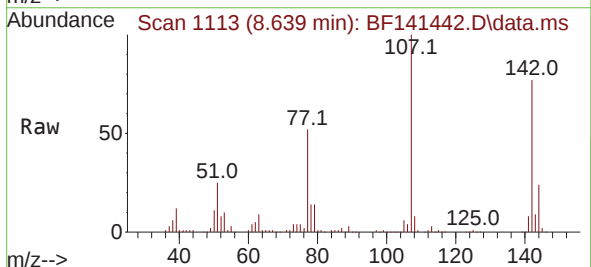
Manual Integrations
APPROVED

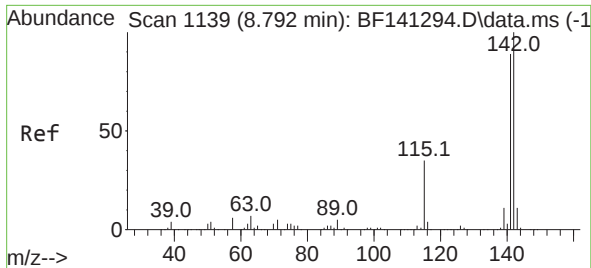
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#36
4-Chloro-3-methylphenol
Concen: 50.702 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:107 Resp: 214446
Ion Ratio Lower Upper
107 100
144 24.2 20.7 31.1
142 77.0 63.8 95.8





#37
2-Methylnaphthalene
Concen: 48.723 ng
RT: 8.786 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

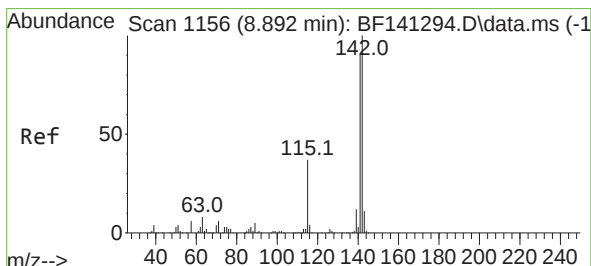
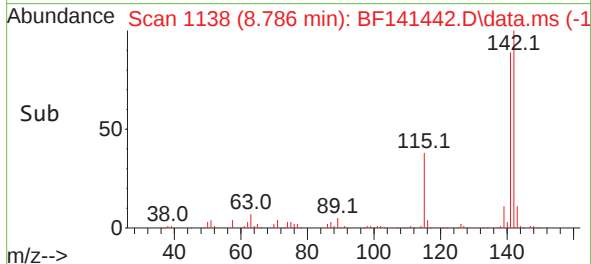
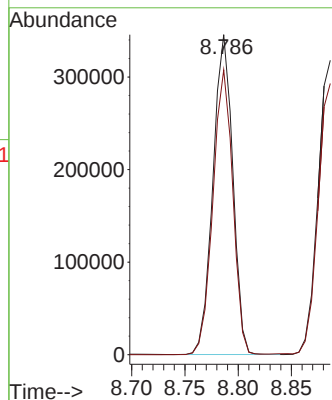
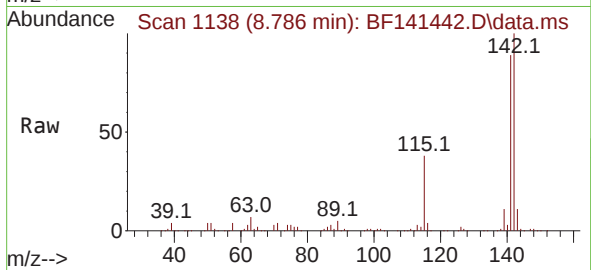
PB166339BS

Tgt Ion:142 Resp: 446519
Ion Ratio Lower Upper
142 100
141 89.0 71.3 106.9

Manual Integrations

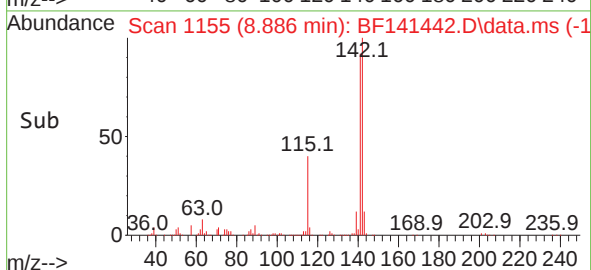
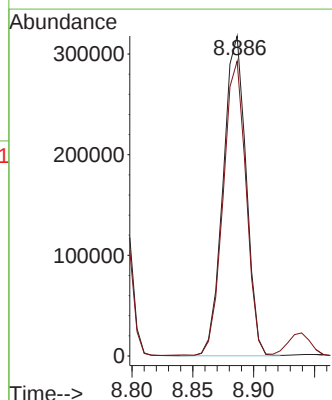
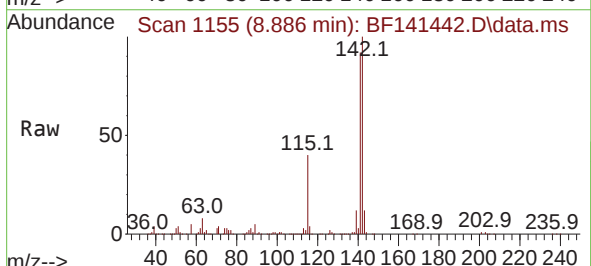
APPROVED

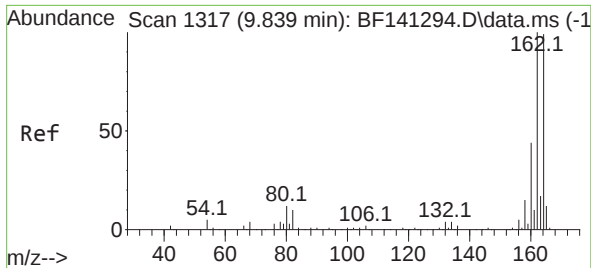
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#38
1-Methylnaphthalene
Concen: 46.203 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:142 Resp: 415934
Ion Ratio Lower Upper
142 100
141 92.1 73.2 109.8





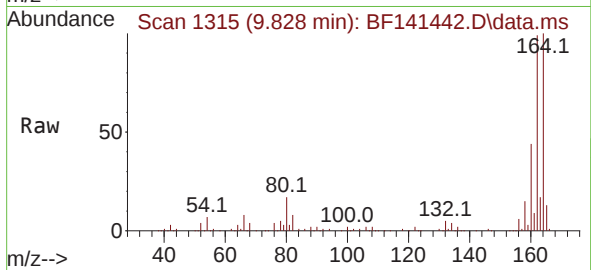
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1165
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

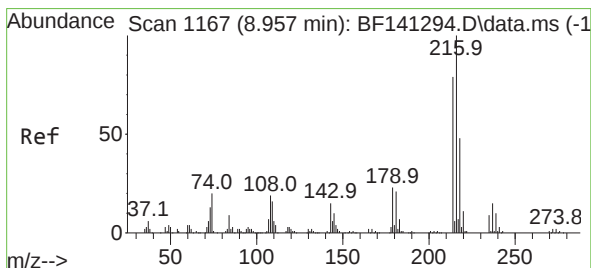
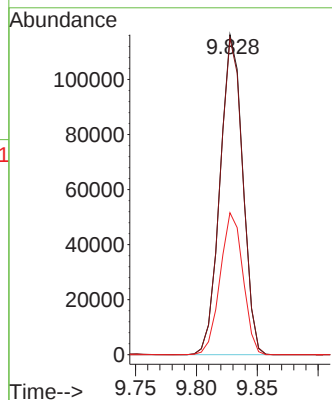
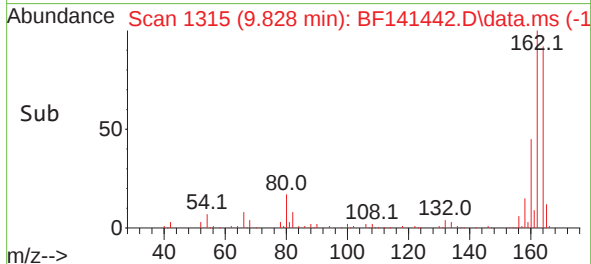


Tgt Ion:164 Resp: 15080
Ion Ratio Lower Upper
164 100
162 98.9 80.6 121.0
160 44.4 35.8 53.6

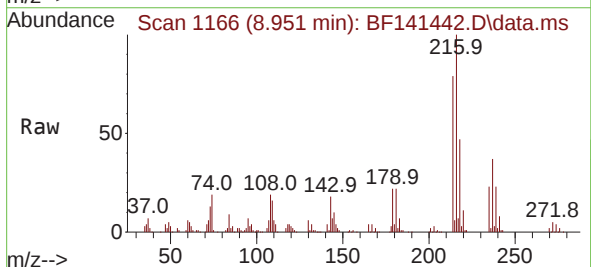
Manual Integrations

APPROVED

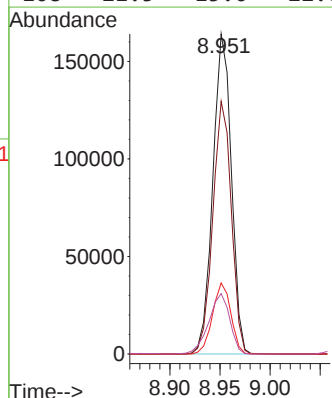
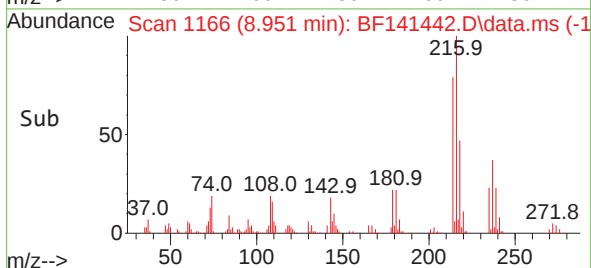
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

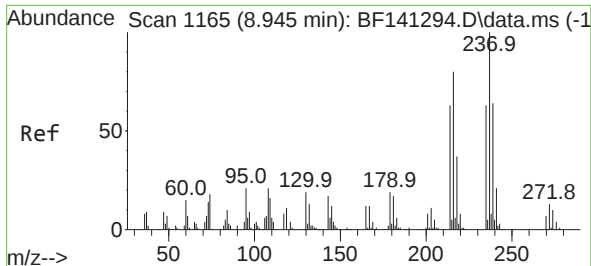


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.087 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05



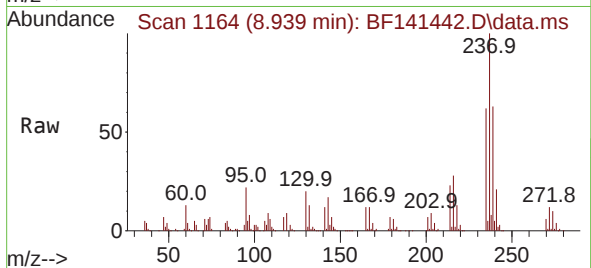
Tgt Ion:216 Resp: 210589
Ion Ratio Lower Upper
216 100
214 79.0 63.2 94.8
179 22.0 17.8 26.8
108 21.5 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 189.249 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

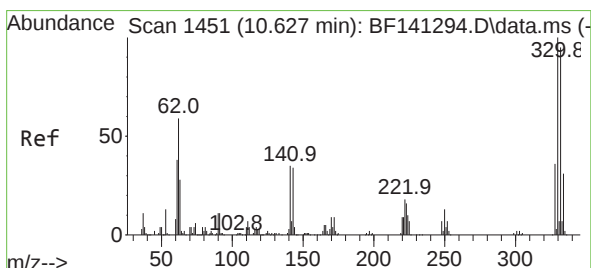
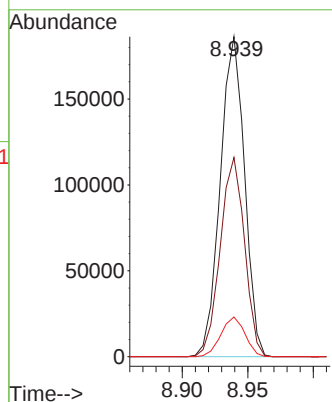
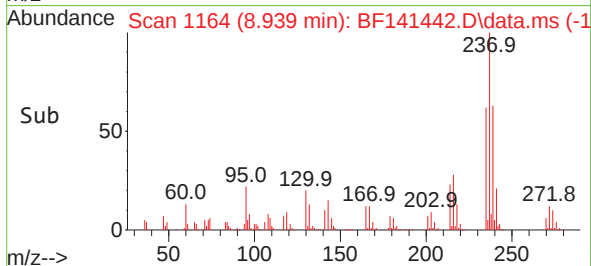
Instrument :
BNA_F
ClientSampleId :
PB166339BS



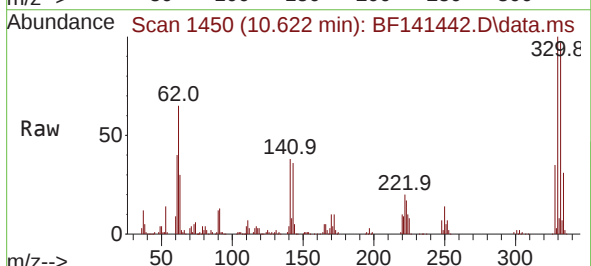
Tgt Ion:237 Resp: 239778
Ion Ratio Lower Upper
237 100
235 62.2 42.9 82.9
272 12.4 0.0 32.8

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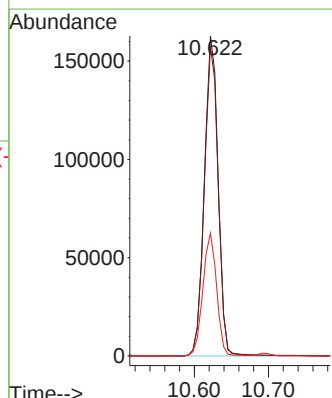
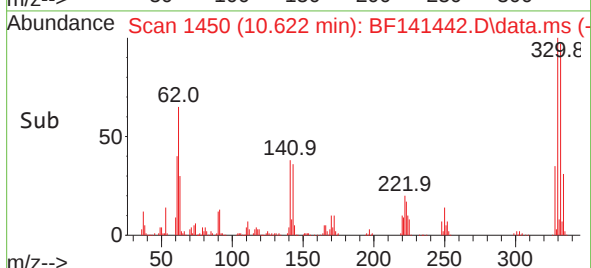
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

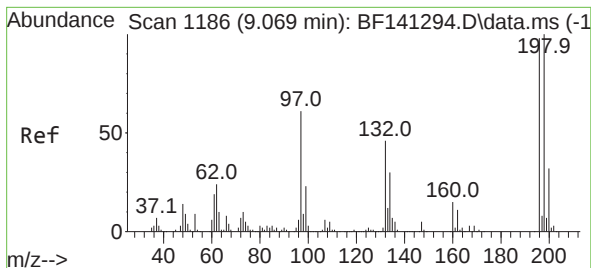


#42
2,4,6-Tribromophenol
Concen: 152.483 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05



Tgt Ion:330 Resp: 210807
Ion Ratio Lower Upper
330 100
332 97.6 76.1 114.1
141 38.2 28.8 43.2





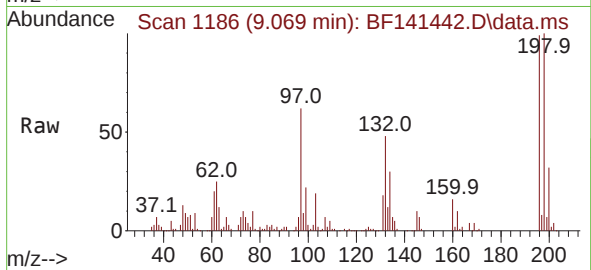
#43
2,4,6-Trichlorophenol
Concen: 49.041 ng
RT: 9.069 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

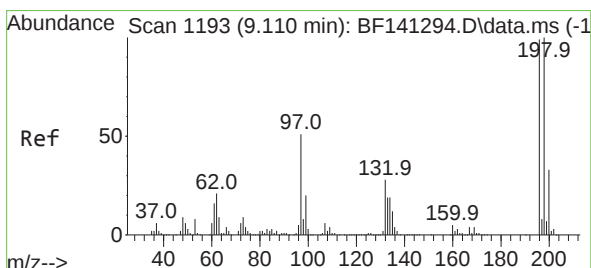
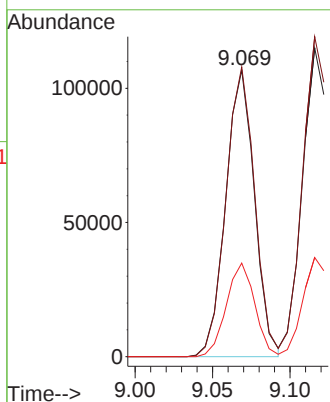
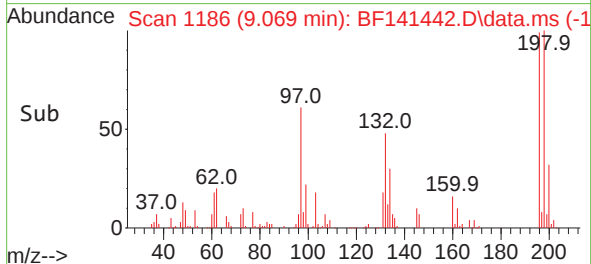


Tgt Ion:196 Resp: 137710
Ion Ratio Lower Upper
196 100
198 101.1 81.8 122.6
200 32.7 26.3 39.5

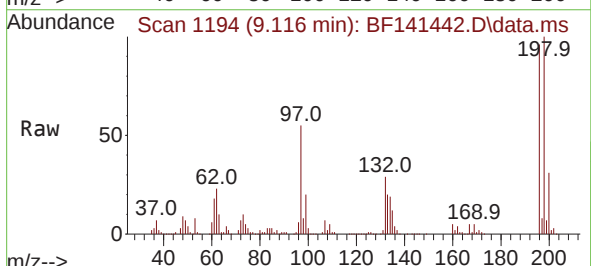
Manual Integrations

APPROVED

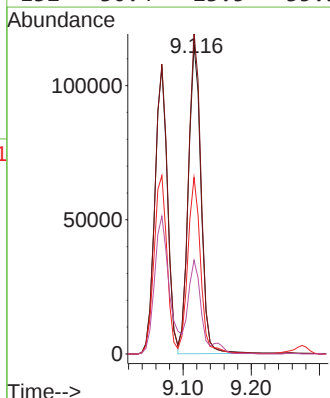
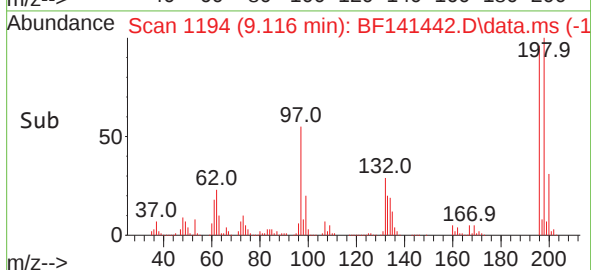
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

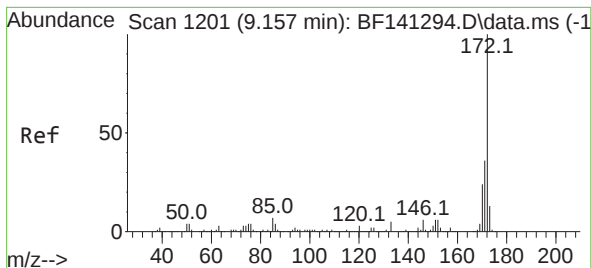


#44
2,4,5-Trichlorophenol
Concen: 48.031 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05



Tgt Ion:196 Resp: 146793
Ion Ratio Lower Upper
196 100
198 103.7 80.5 120.7
97 57.1 42.8 64.2
132 30.4 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 94.571 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

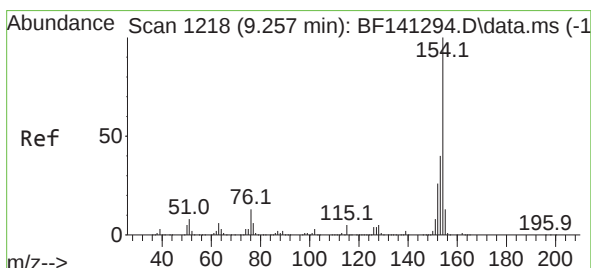
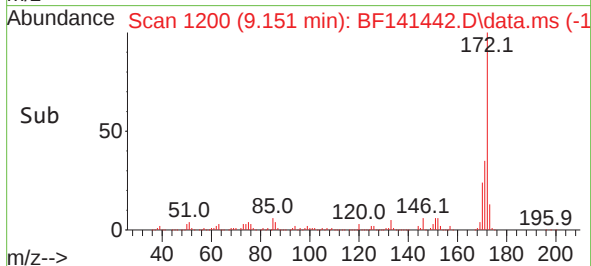
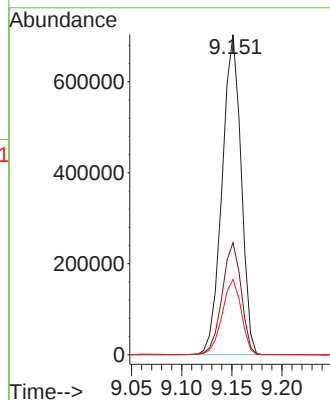
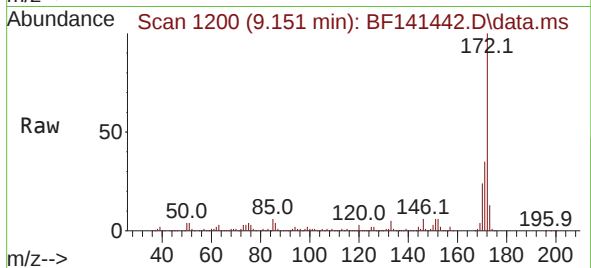
Tgt Ion:172 Resp: 926554
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.8 43.2
 170 23.5 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#46

1,1'-Biphenyl

Concen: 47.512 ng

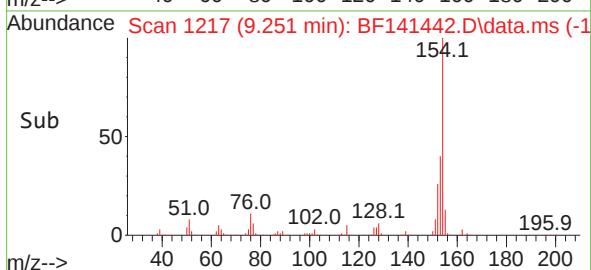
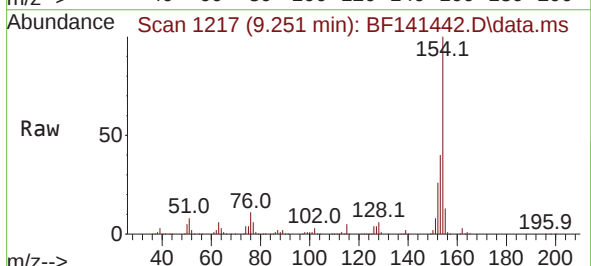
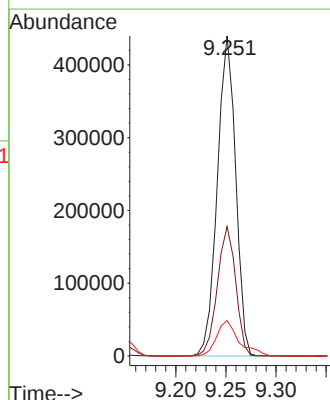
RT: 9.251 min Scan# 1217

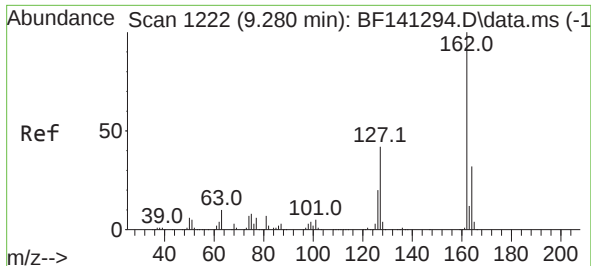
Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Tgt Ion:154 Resp: 558776
 Ion Ratio Lower Upper
 154 100
 153 40.4 20.0 60.0
 76 11.1 0.0 32.8





#47

2-Chloronaphthalene

Concen: 45.853 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion:162 Resp: 42032

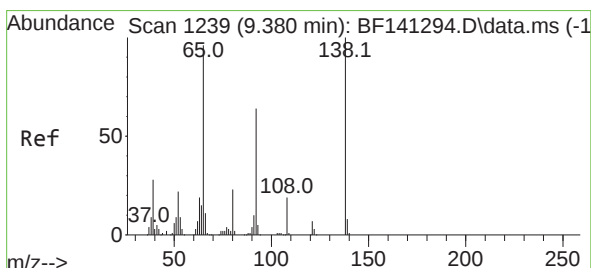
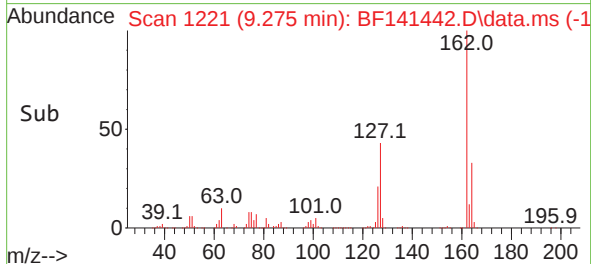
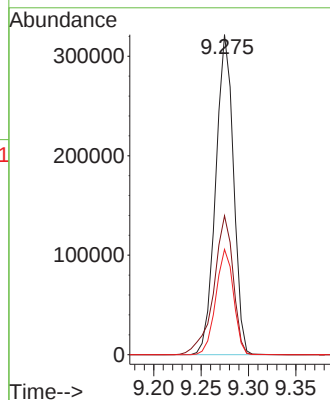
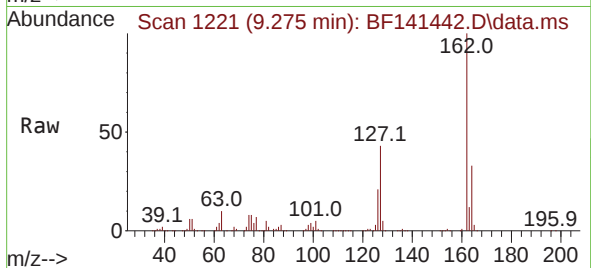
Ion	Ratio	Lower	Upper
162	100		
127	43.4	33.7	50.5
164	32.9	25.9	38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#48

2-Nitroaniline

Concen: 50.584 ng

RT: 9.375 min Scan# 1238

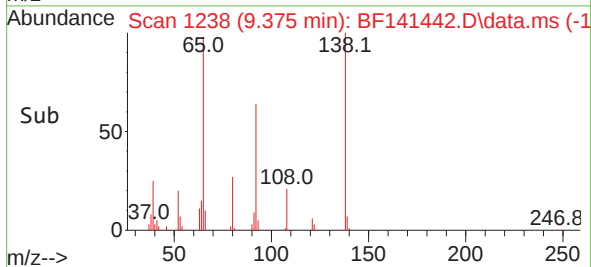
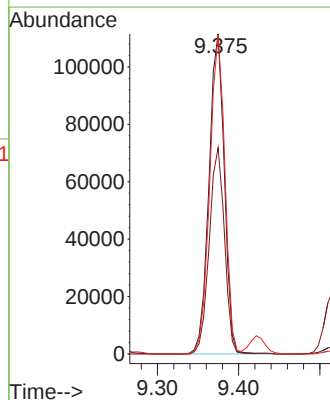
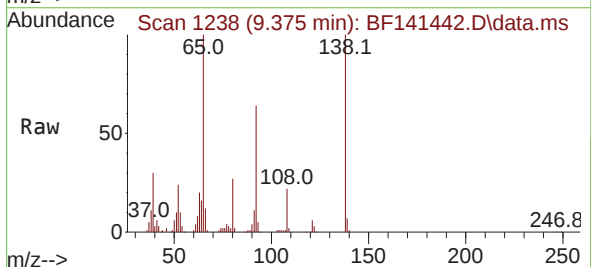
Delta R.T. -0.006 min

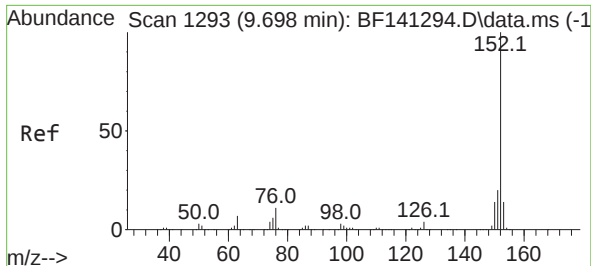
Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Tgt Ion: 65 Resp: 145851

Ion	Ratio	Lower	Upper
65	100		
92	64.5	53.3	79.9
138	99.6	83.6	125.4





#49

Acenaphthylene

Concen: 50.826 ng

RT: 9.692 min Scan# 1293

Delta R.T. -0.012 min

Lab File: BF141442.D

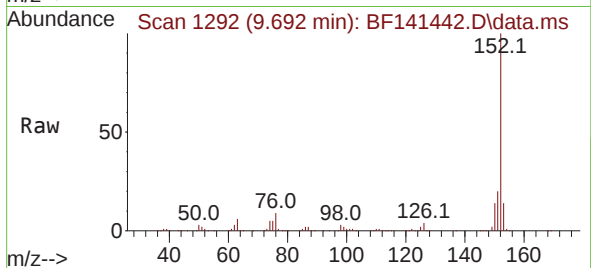
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

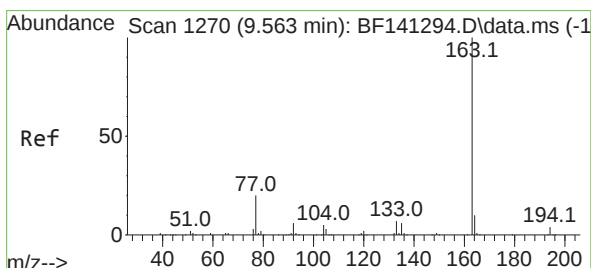
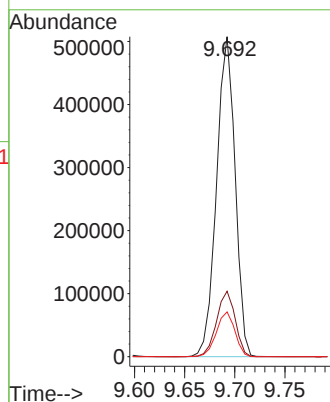
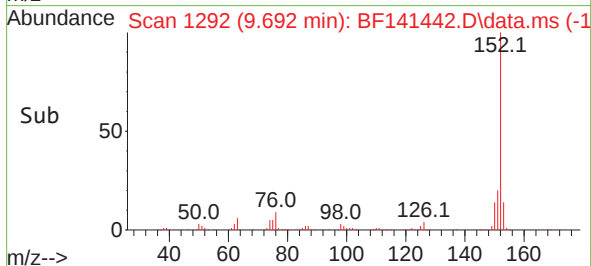


Tgt Ion:152	Resp: 65219
Ion Ratio	Lower Upper
152	100
151	20.5 16.2 24.2
153	14.0 11.0 16.6

Manual Integrations

APPROVED

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



#50

Dimethylphthalate

Concen: 48.735 ng

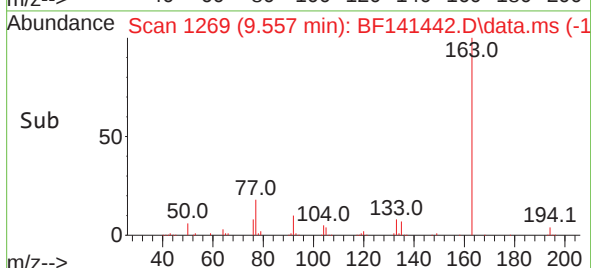
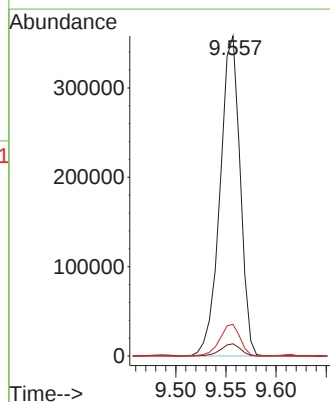
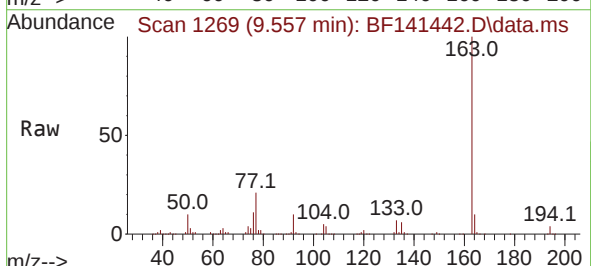
RT: 9.557 min Scan# 1269

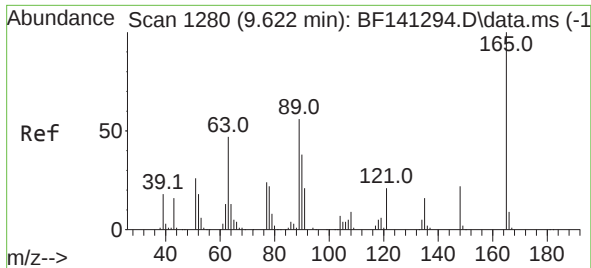
Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

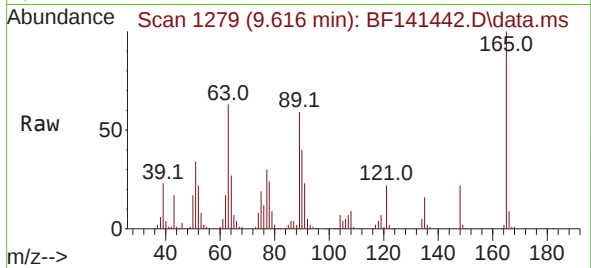
Tgt Ion:163	Resp: 496367
Ion Ratio	Lower Upper
163	100
194	3.8 3.0 4.6
164	9.9 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 47.316 ng
RT: 9.616 min Scan# 111890
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

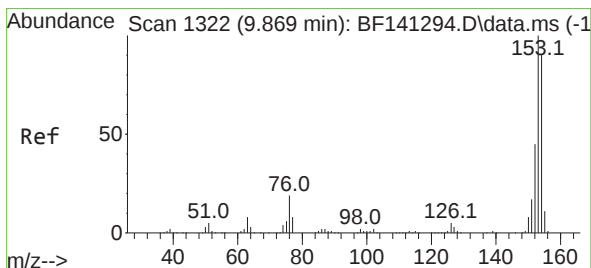
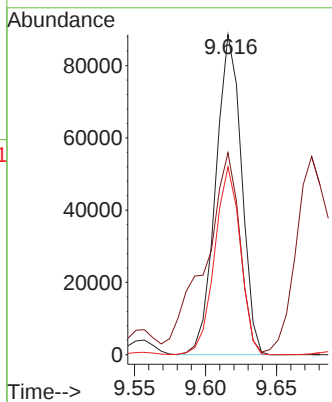
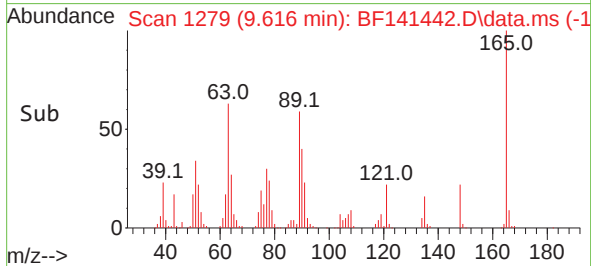
Instrument :
BNA_F
ClientSampleId :
PB166339BS



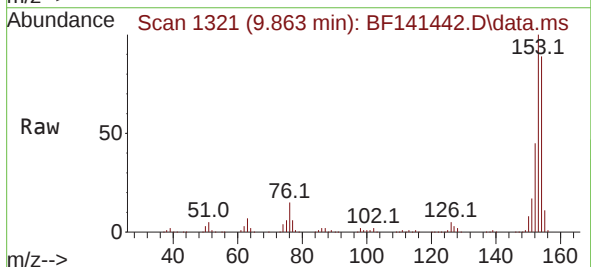
Tgt Ion:165 Resp: 111890
Ion Ratio Lower Upper
165 100
63 63.1 48.1 72.1
89 58.7 44.9 67.3

Manual Integrations
APPROVED

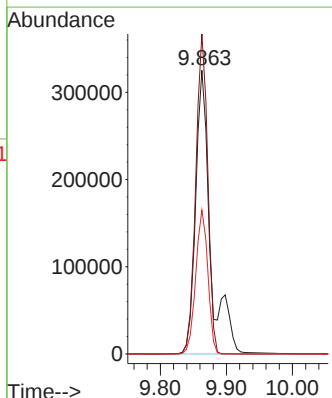
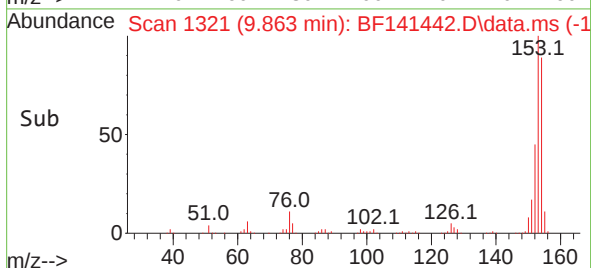
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

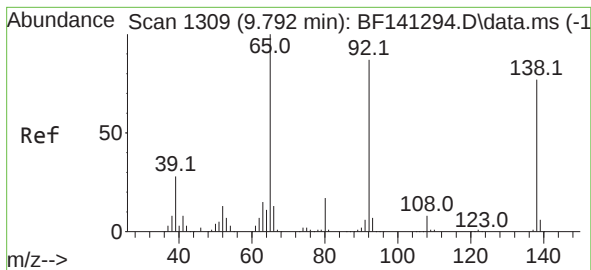


#52
Acenaphthene
Concen: 55.091 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05



Tgt Ion:154 Resp: 505025
Ion Ratio Lower Upper
154 100
153 112.8 89.0 133.4
152 50.8 40.2 60.4





#53
3-Nitroaniline
Concen: 26.352 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

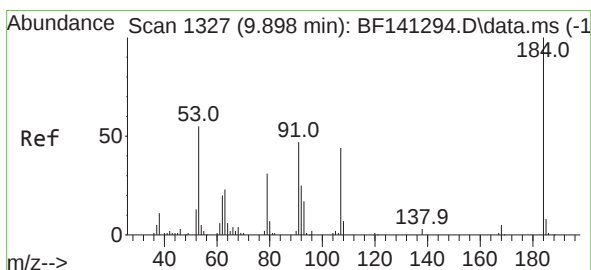
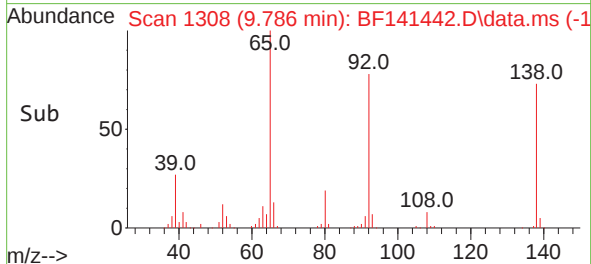
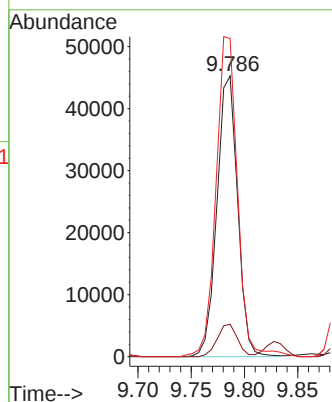
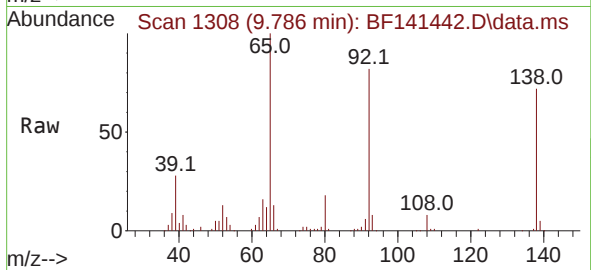
PB166339BS

Tgt Ion:138 Resp: 61079
Ion Ratio Lower Upper
138 100
108 11.6 8.6 12.8
92 113.4 91.0 136.6

Manual Integrations

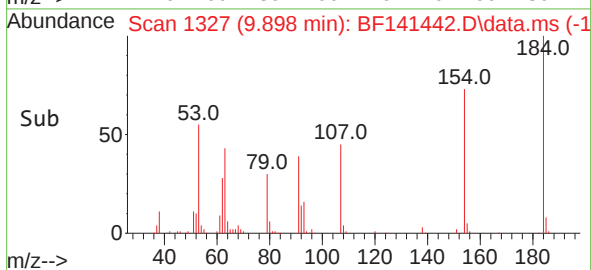
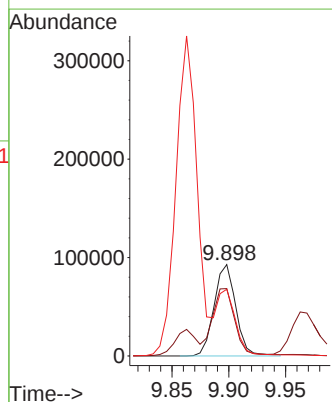
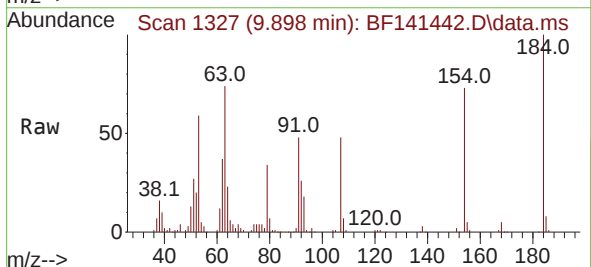
APPROVED

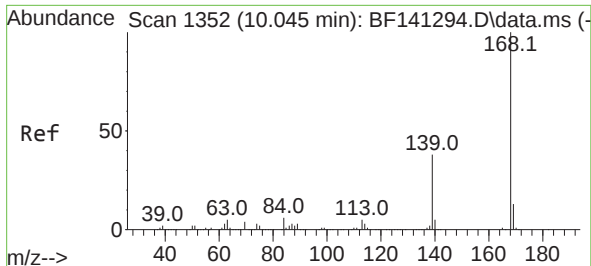
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#54
2,4-Dinitrophenol
Concen: 112.642 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:184 Resp: 123829
Ion Ratio Lower Upper
184 100
63 73.8 54.1 81.1
154 73.0 50.7 76.1





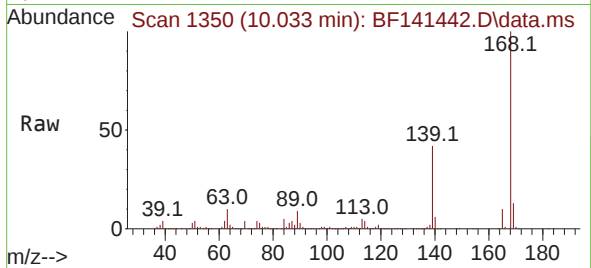
#55
Dibenzenofuran
Concen: 49.043 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

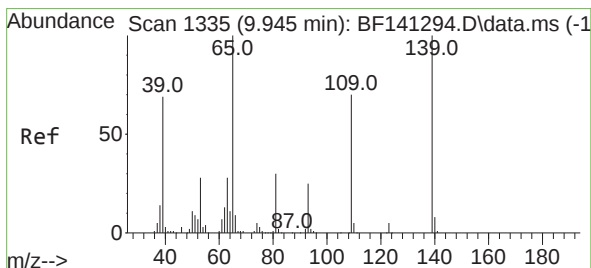
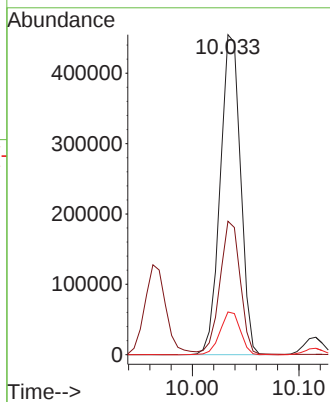
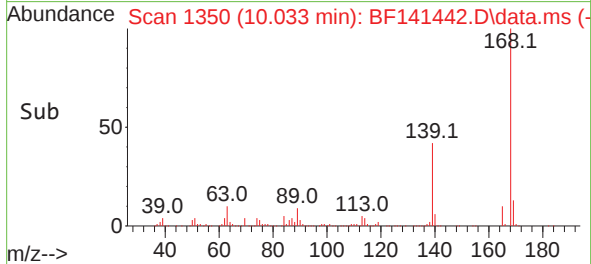


Tgt Ion:168 Resp: 601794
Ion Ratio Lower Upper
168 100
139 41.7 30.6 46.0
169 13.4 10.8 16.2

Manual Integrations

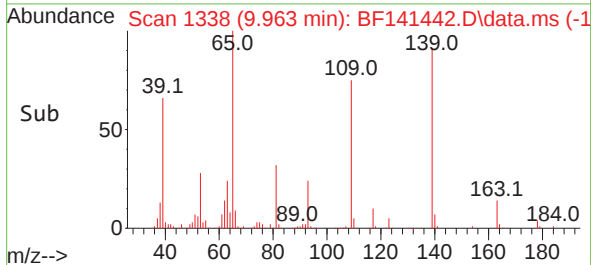
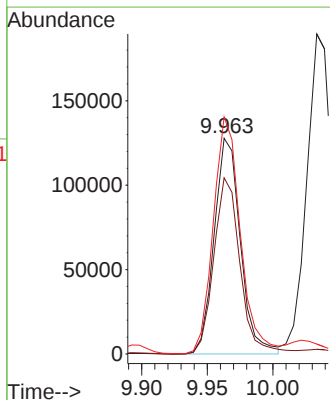
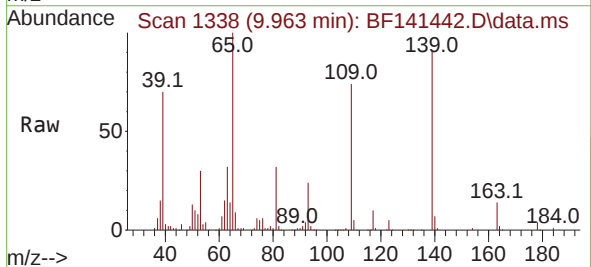
APPROVED

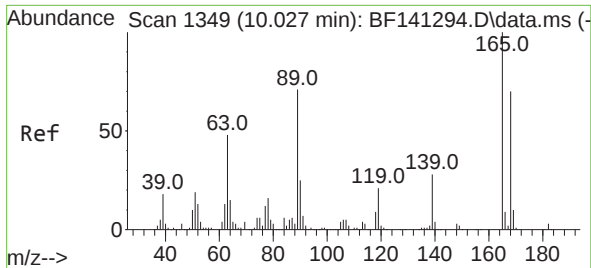
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#56
4-Nitrophenol
Concen: 105.019 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:139 Resp: 178017
Ion Ratio Lower Upper
139 100
109 81.7 50.2 90.2
65 110.0 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 51.247 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

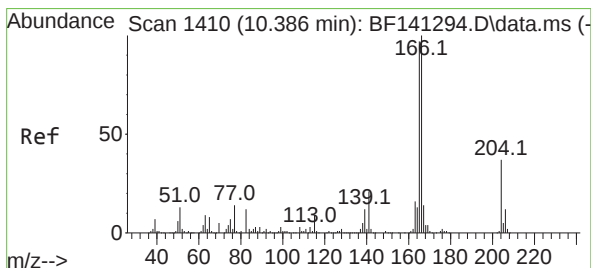
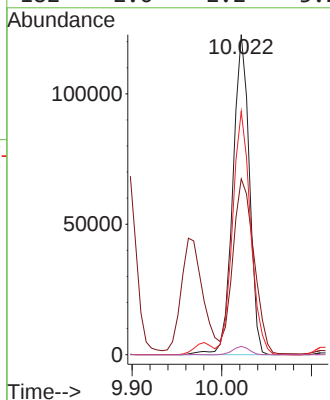
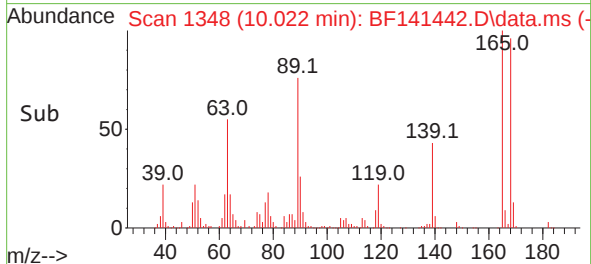
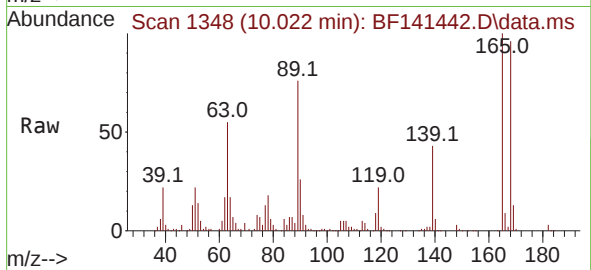
PB166339BS

Tgt Ion:165 Resp: 156908
Ion Ratio Lower Upper
165 100
63 55.0 39.2 58.8
89 76.1 56.9 85.3
182 2.6 2.2 3.2

Manual Integrations

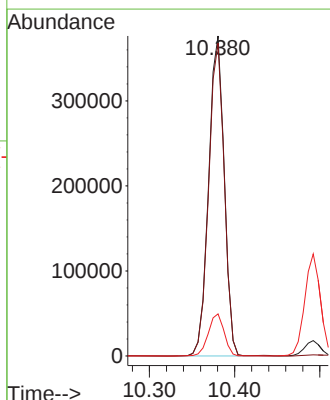
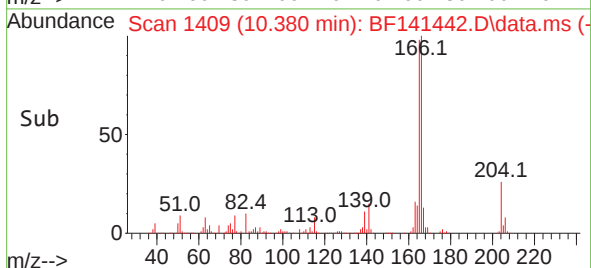
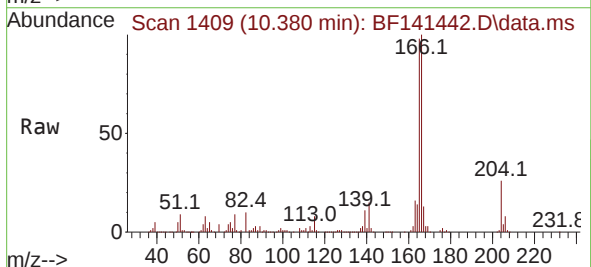
APPROVED

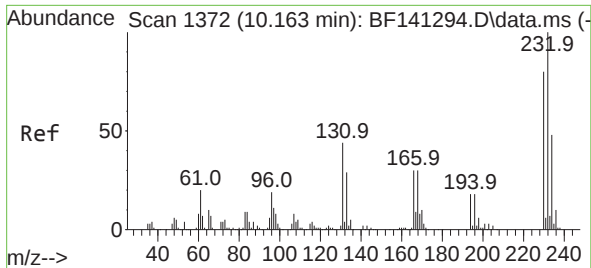
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#58
Fluorene
Concen: 50.423 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

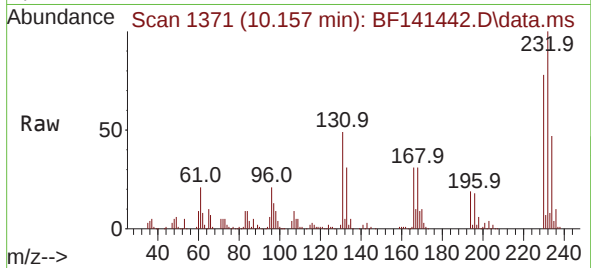
Tgt Ion:166 Resp: 479929
Ion Ratio Lower Upper
166 100
165 97.8 77.5 116.3
167 13.1 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 54.393 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

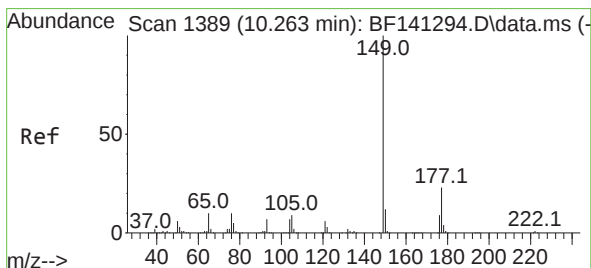
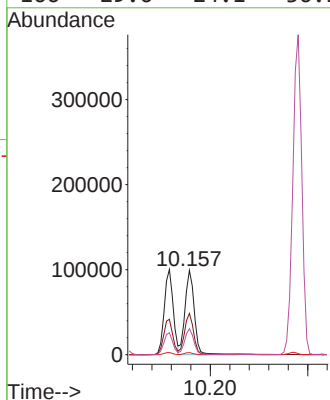
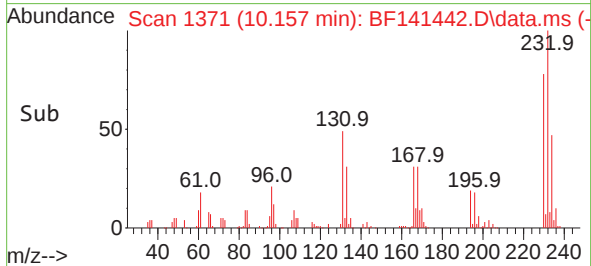
Instrument :
BNA_F
ClientSampleId :
PB166339BS



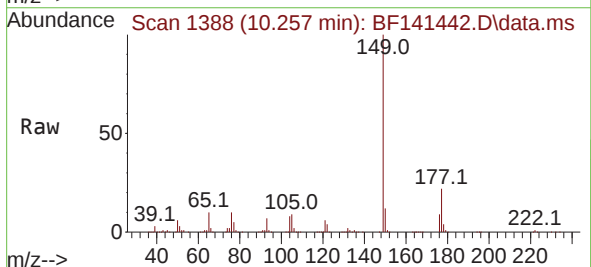
Tgt Ion:232 Resp: 130781
Ion Ratio Lower Upper
232 100
131 48.1 36.4 54.6
130 2.4 1.9 2.9
166 29.6 24.1 36.1

Manual Integrations
APPROVED

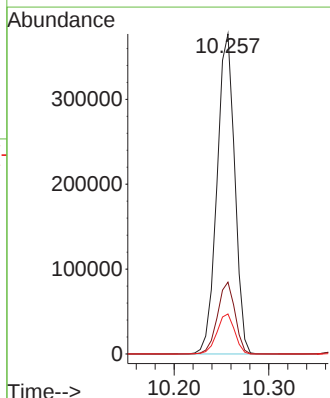
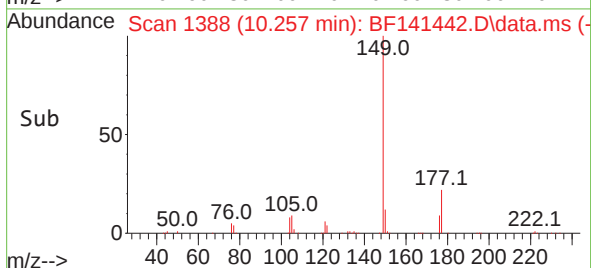
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

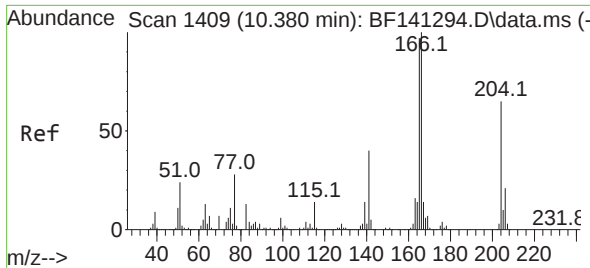


#60
Diethylphthalate
Concen: 49.719 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05



Tgt Ion:149 Resp: 490998
Ion Ratio Lower Upper
149 100
177 22.4 18.5 27.7
150 12.5 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 49.550 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

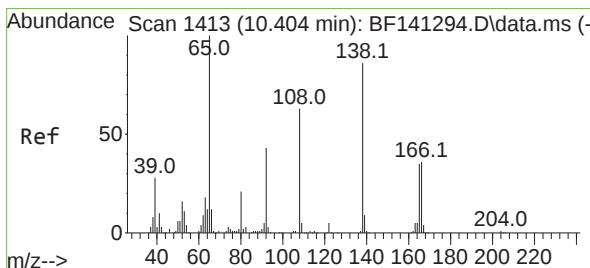
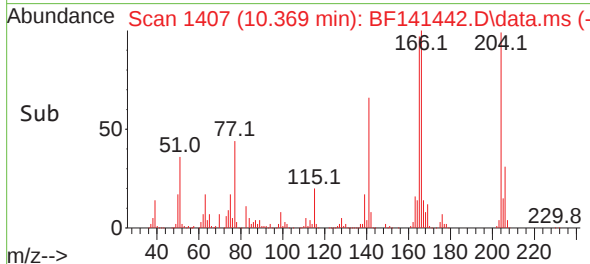
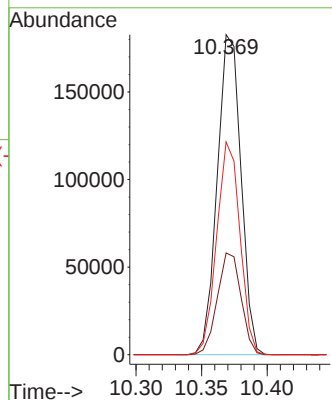
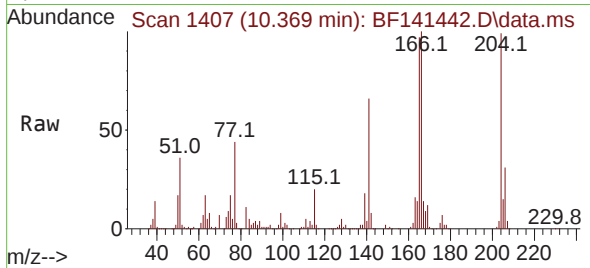
PB166339BS

Tgt Ion:204 Resp: 230375
Ion Ratio Lower Upper
204 100
206 31.8 25.9 38.9
141 66.5 49.5 74.3

Manual Integrations

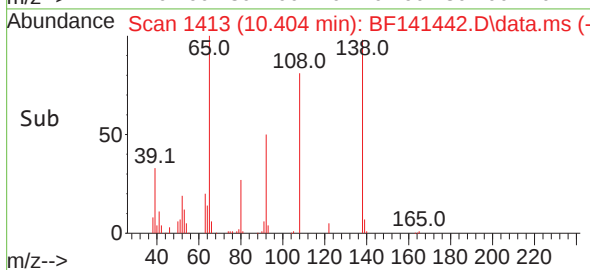
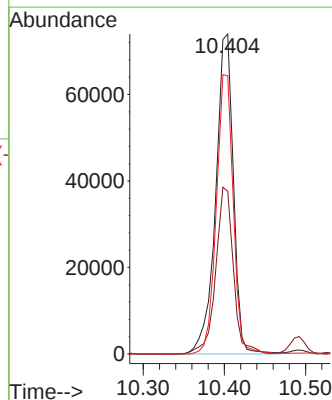
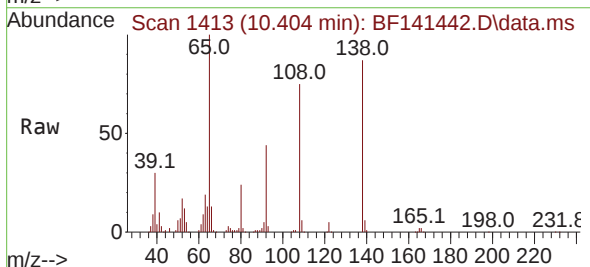
APPROVED

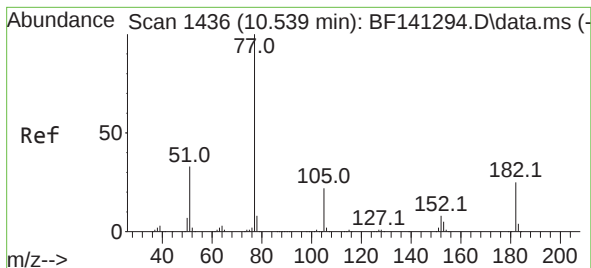
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#62
4-Nitroaniline
Concen: 49.323 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Tgt Ion:138 Resp: 112393
Ion Ratio Lower Upper
138 100
92 50.9 30.1 70.1
108 86.9 53.1 93.1





#63

Azobenzene

Concen: 48.358 ng

RT: 10.533 min Scan# 1435

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion: 77 Resp: 478034

Ion Ratio Lower Upper

77 100

182 26.1 5.1 45.1

105 20.9 1.8 41.8

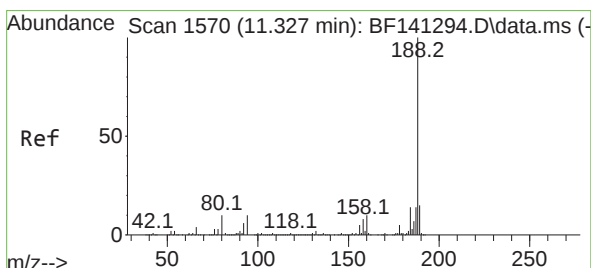
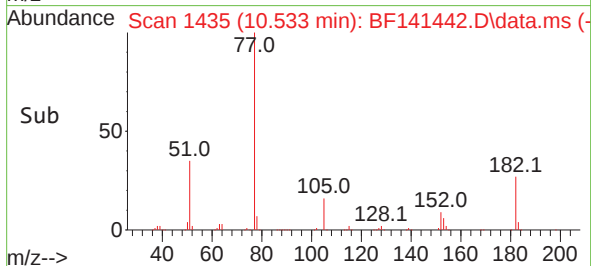
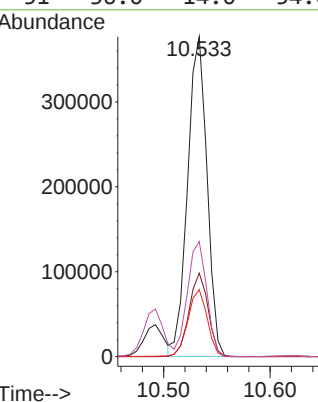
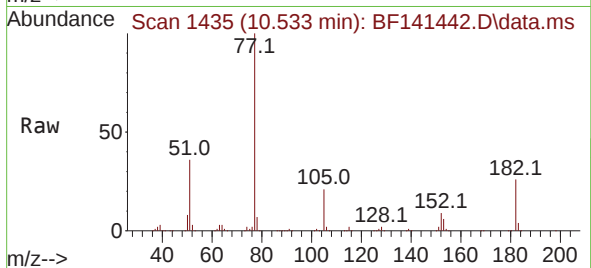
51 36.0 14.0 54.0

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: BF141442.D

Acq: 05 Feb 2025 13:05

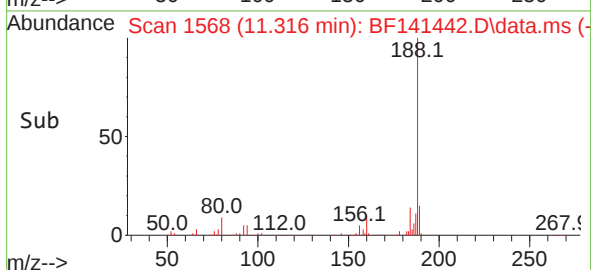
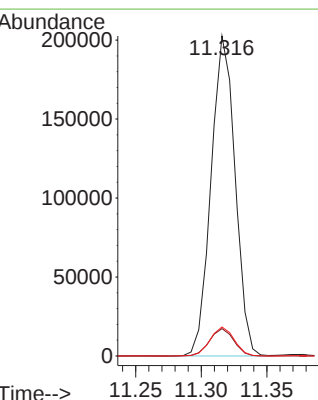
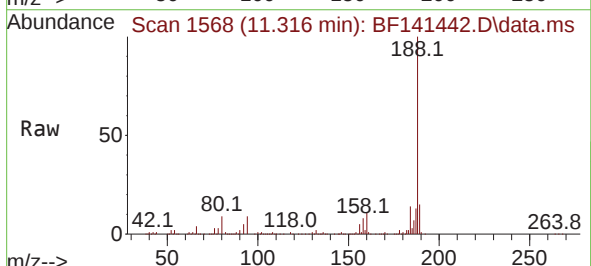
Tgt Ion:188 Resp: 258651

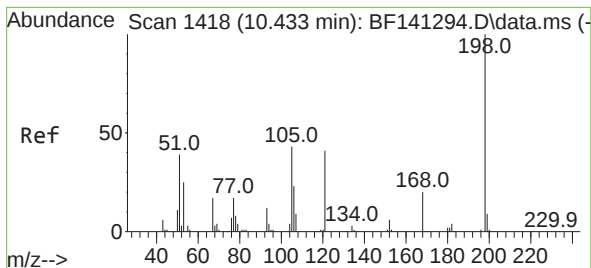
Ion Ratio Lower Upper

188 100

94 8.6 7.8 11.6

80 9.0 8.2 12.4





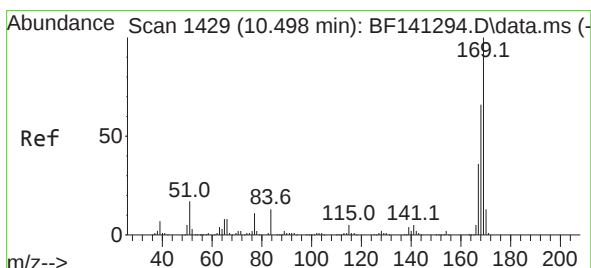
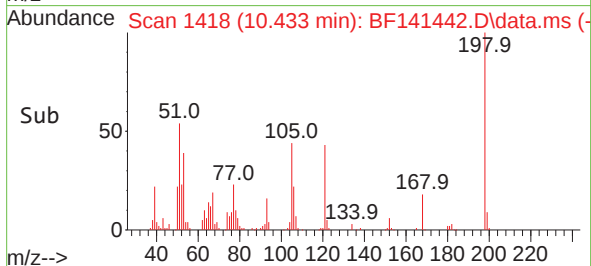
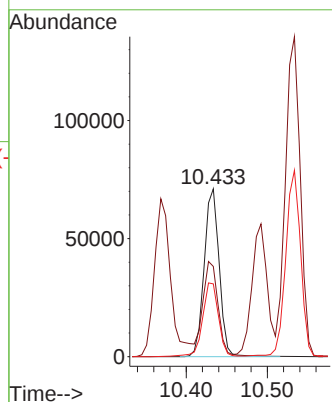
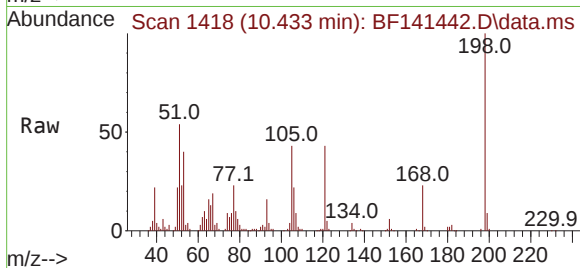
#65
4,6-Dinitro-2-methylphenol
Concen: 59.527 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS

Tgt Ion:198 Resp: 91072
Ion Ratio Lower Upper
198 100
51 53.8 33.4 73.4
105 43.4 24.4 64.4

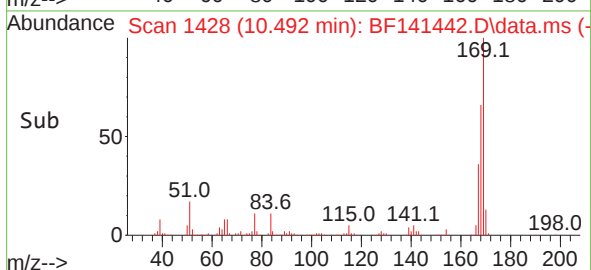
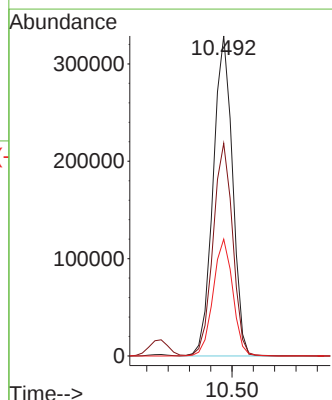
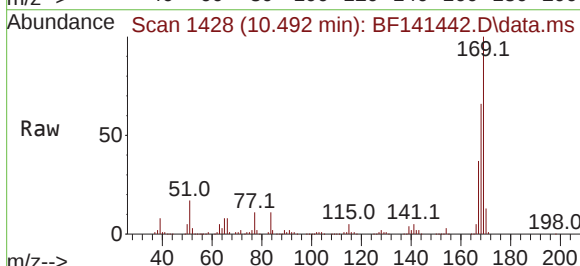
Manual Integrations
APPROVED

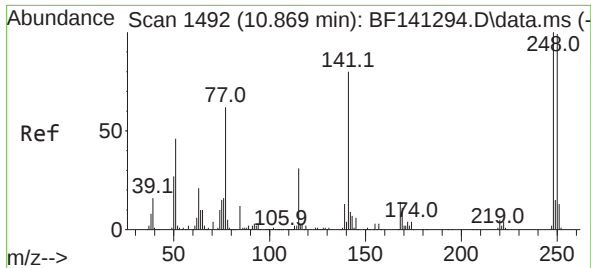
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#66
n-Nitrosodiphenylamine
Concen: 49.492 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

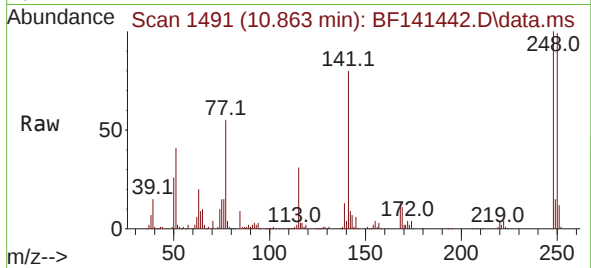
Tgt Ion:169 Resp: 414035
Ion Ratio Lower Upper
169 100
168 66.5 53.0 79.4
167 36.5 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 48.874 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

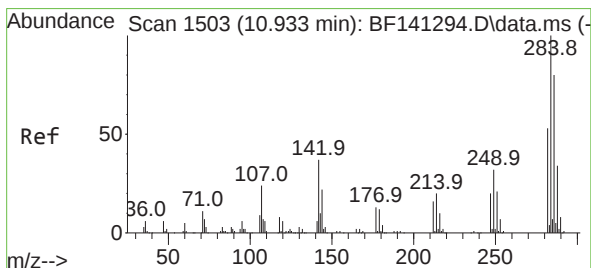
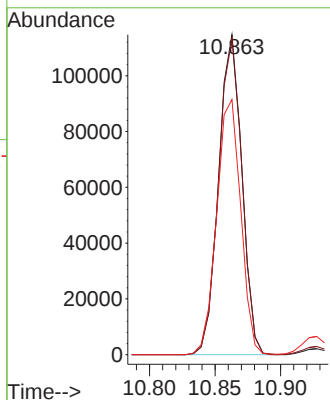
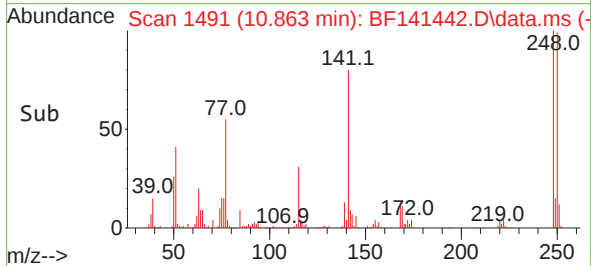
Instrument :
BNA_F
ClientSampleId :
PB166339BS



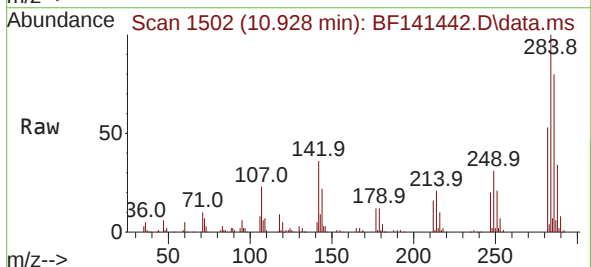
Tgt Ion:248 Resp: 141524
Ion Ratio Lower Upper
248 100
250 98.8 79.0 118.4
141 79.7 63.7 95.5

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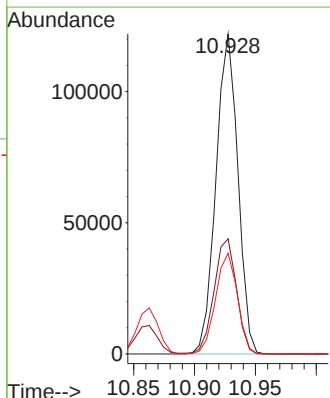
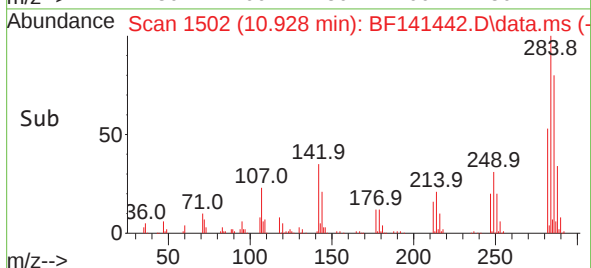
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

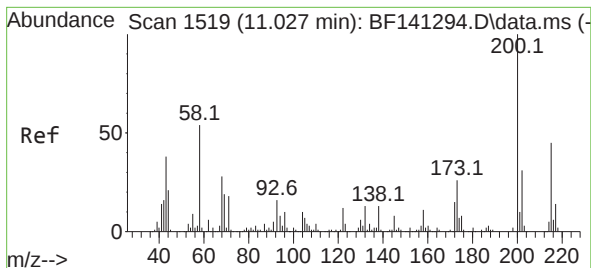


#68
Hexachlorobenzene
Concen: 49.706 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05



Tgt Ion:284 Resp: 152677
Ion Ratio Lower Upper
284 100
142 36.0 29.5 44.3
249 31.5 25.4 38.2





#69

Atrazine

Concen: 52.298 ng

RT: 11.022 min Scan# 1518

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

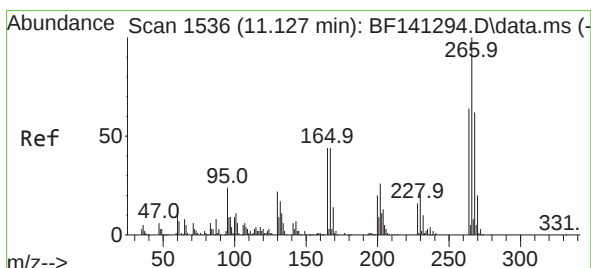
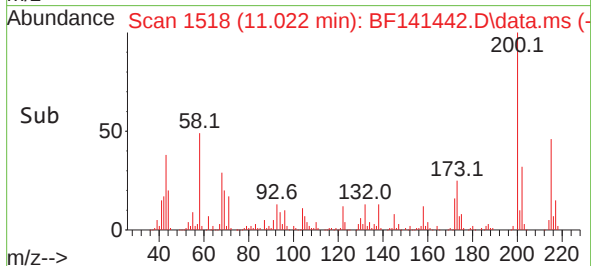
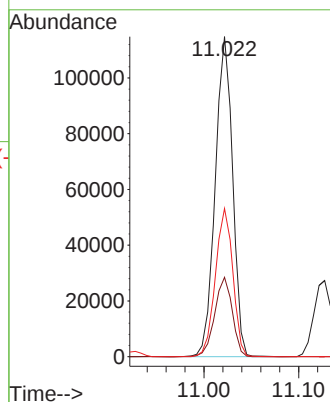
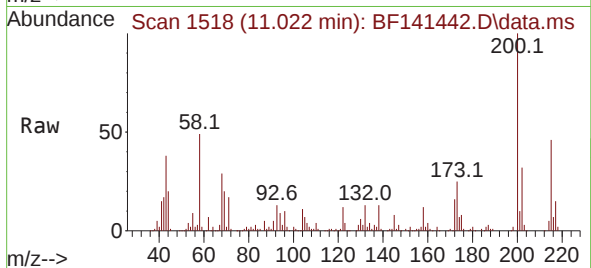
Tgt Ion:200 Resp: 14628
 Ion Ratio Lower Upper
 200 100
 173 24.8 5.9 45.9
 215 46.3 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#70

Pentachlorophenol

Concen: 101.707 ng

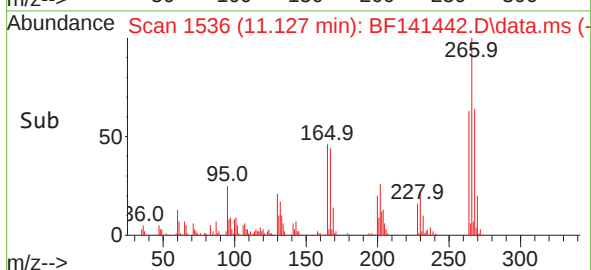
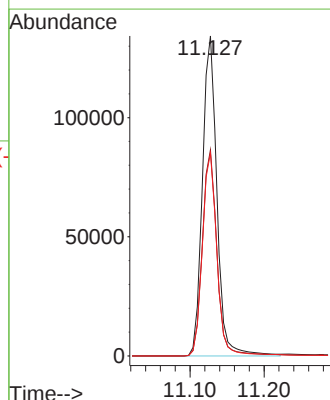
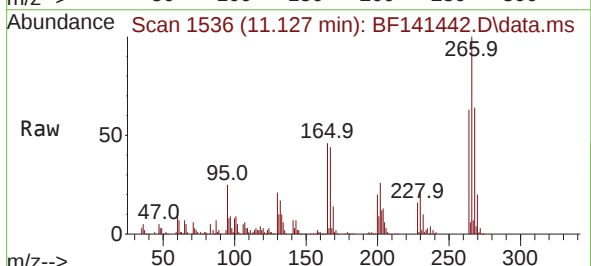
RT: 11.127 min Scan# 1536

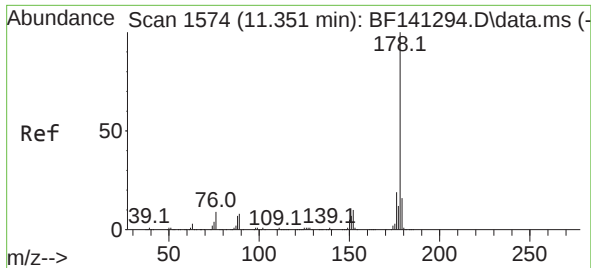
Delta R.T. -0.006 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Tgt Ion:266 Resp: 182937
 Ion Ratio Lower Upper
 266 100
 268 64.4 49.9 74.9
 264 63.5 51.0 76.4





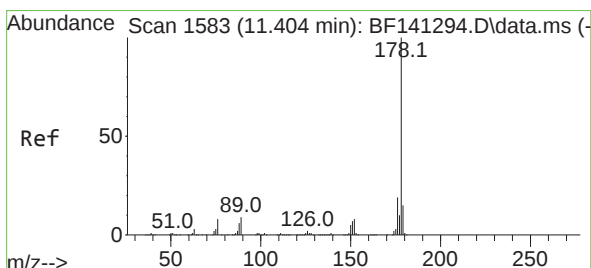
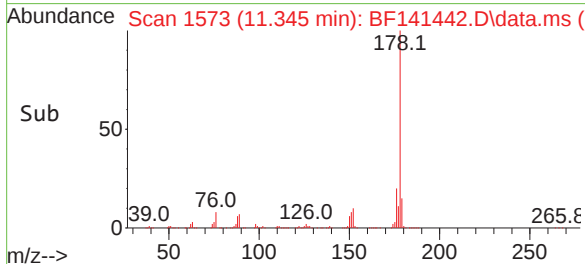
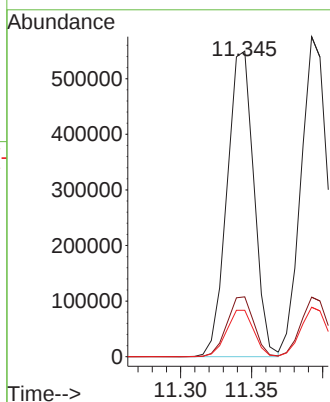
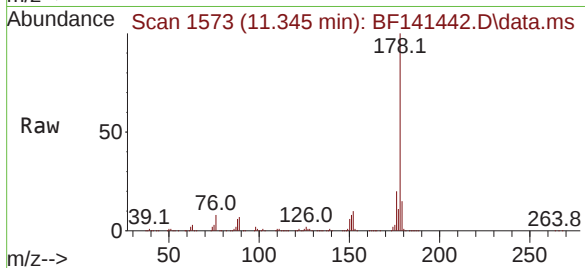
#71
Phenanthrene
Concen: 52.002 ng
RT: 11.345 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :
BNA_F
ClientSampleId :
PB166339BS

Tgt Ion:178 Resp: 723012
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.2 12.5 18.7

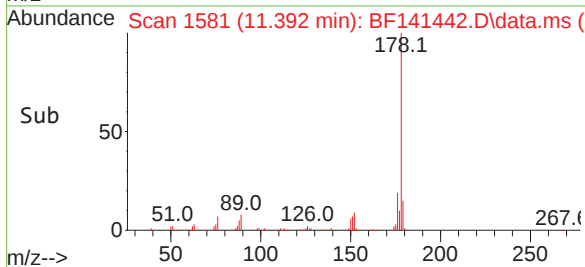
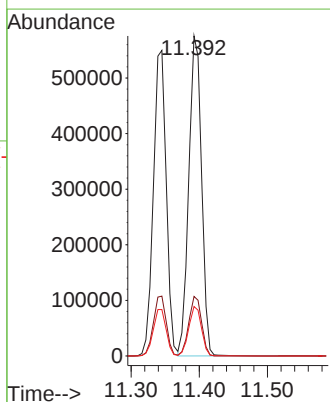
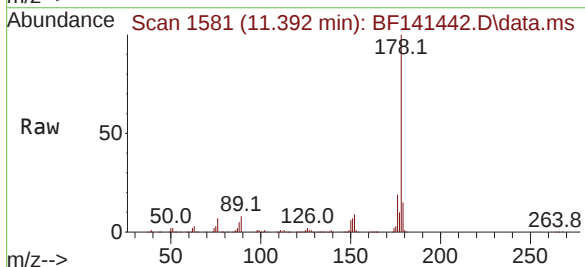
Manual Integrations
APPROVED

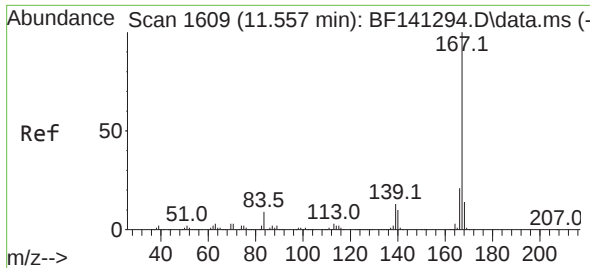
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#72
Anthracene
Concen: 54.517 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

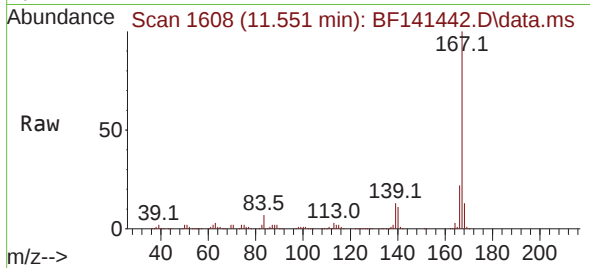
Tgt Ion:178 Resp: 742686
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.5 12.3 18.5





#73
Carbazole
Concen: 53.785 ng
RT: 11.551 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

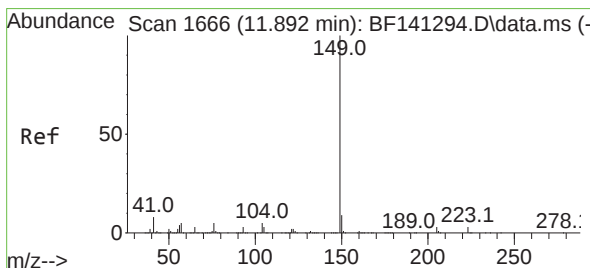
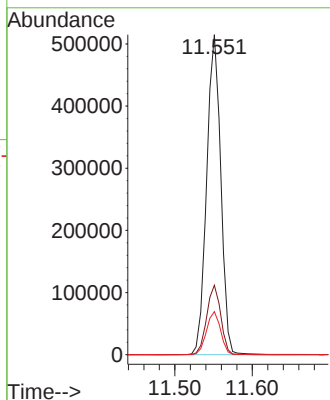
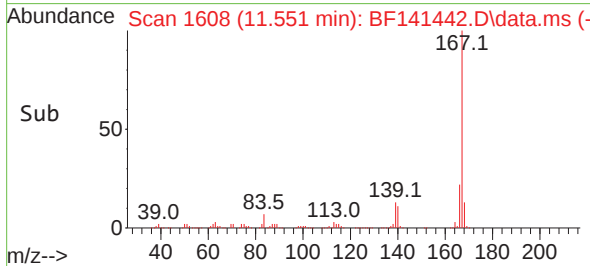
Instrument :
BNA_F
ClientSampleId :
PB166339BS



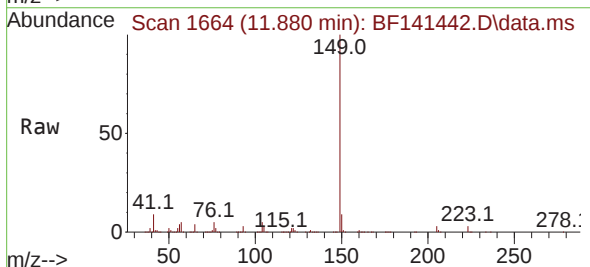
Tgt Ion:167 Resp: 649712
Ion Ratio Lower Upper
167 100
166 21.7 17.0 25.6
139 13.5 10.6 16.0

Manual Integrations
APPROVED

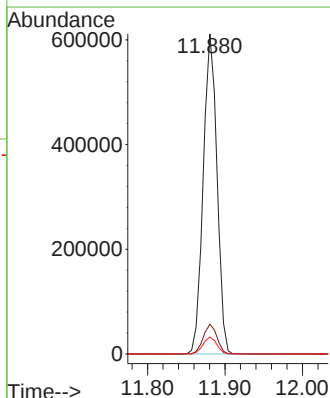
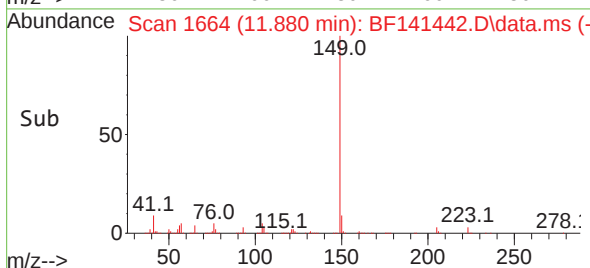
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

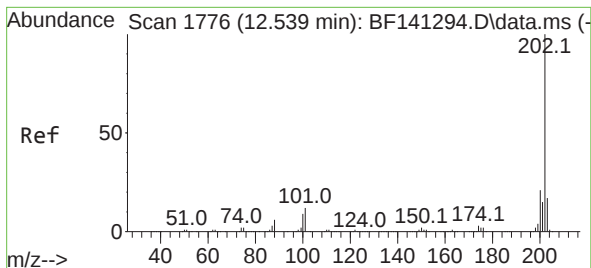


#74
Di-n-butylphthalate
Concen: 51.466 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05



Tgt Ion:149 Resp: 753424
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 5.3 3.9 5.9





#75

Fluoranthene

Concen: 55.390 ng

RT: 12.533 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion:202 Resp: 76040

Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.7

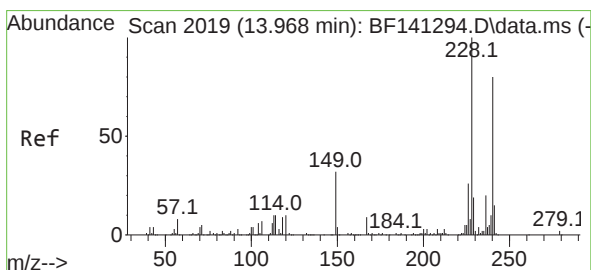
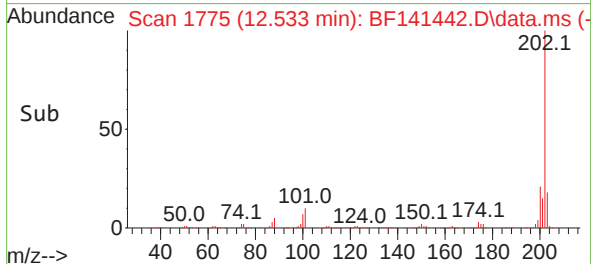
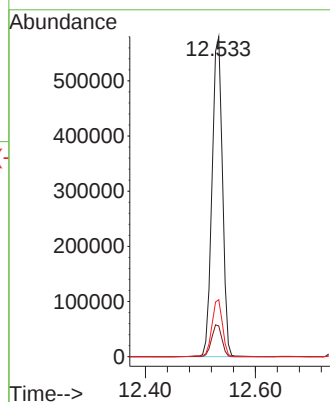
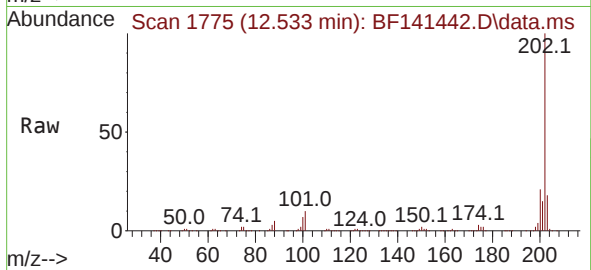
203 17.8 0.0 37.5

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: 13.963 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

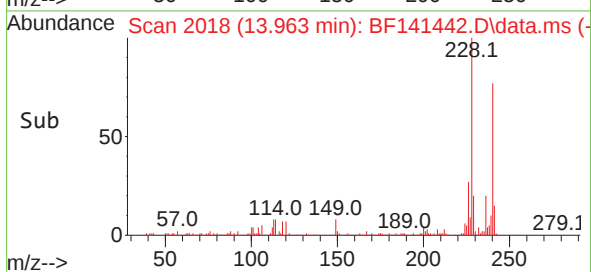
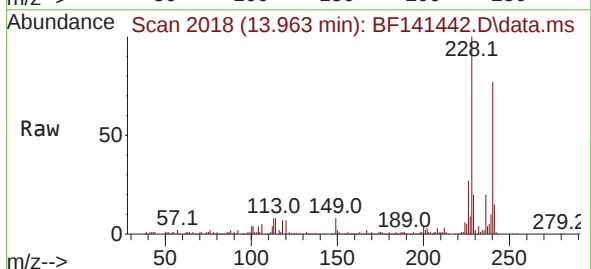
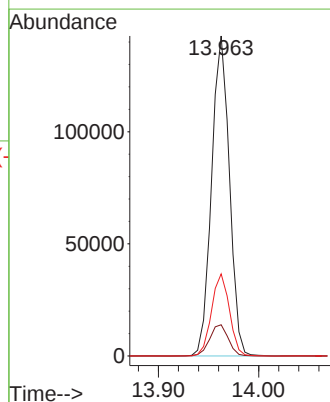
Tgt Ion:240 Resp: 176386

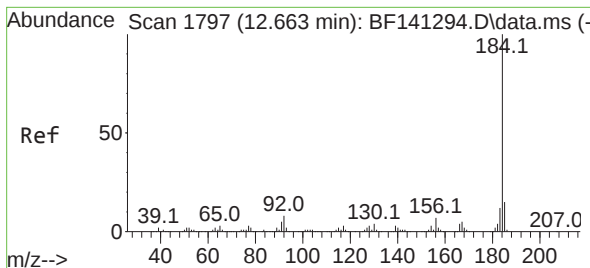
Ion Ratio Lower Upper

240 100

120 9.8 10.0 15.0#

236 25.7 19.7 29.5





#77

Benzidine

Concen: 28.721 ng

RT: 12.651 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141442.D

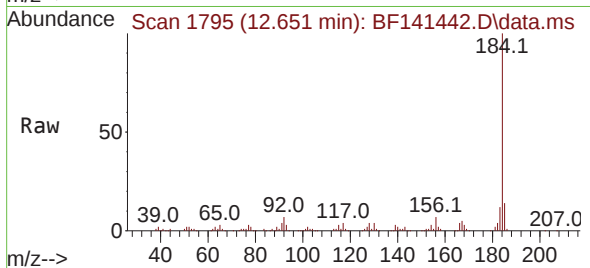
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS



Tgt Ion:184 Resp: 16240

Ion Ratio Lower Upper

184 100

185 14.4 11.9 17.9

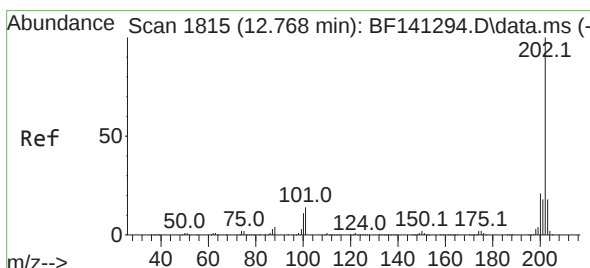
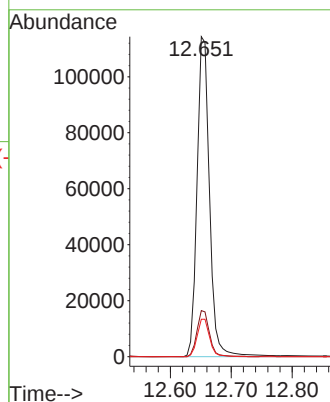
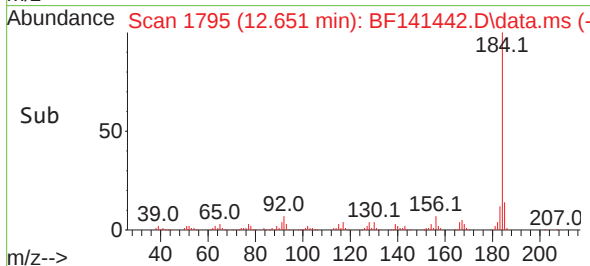
183 11.7 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#78

Pyrene

Concen: 46.426 ng

RT: 12.763 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

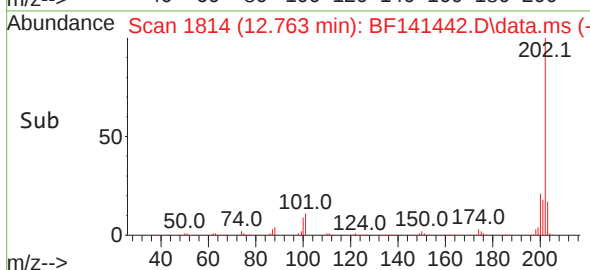
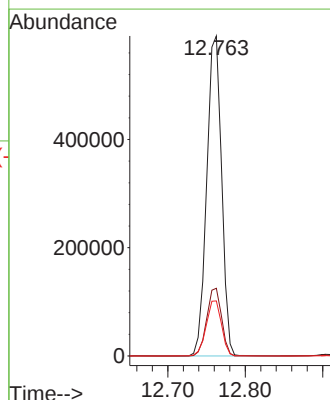
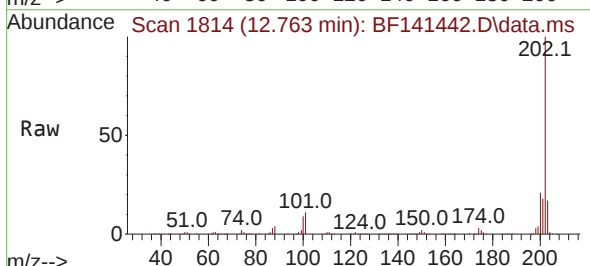
Tgt Ion:202 Resp: 786061

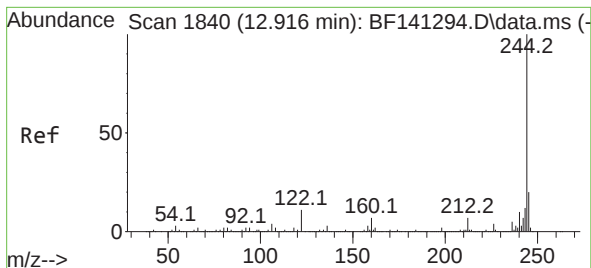
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 17.2 14.3 21.5





#79

Terphenyl-d14

Concen: 95.409 ng

RT: 12.904 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion:244 Resp: 1091228

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

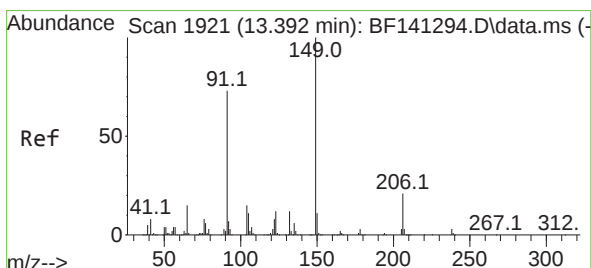
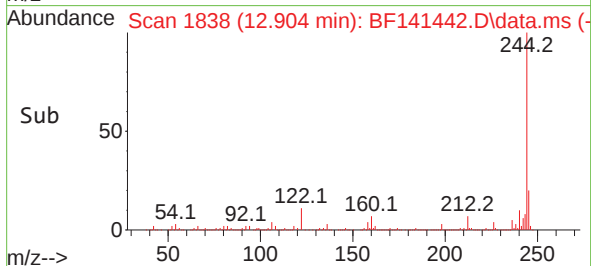
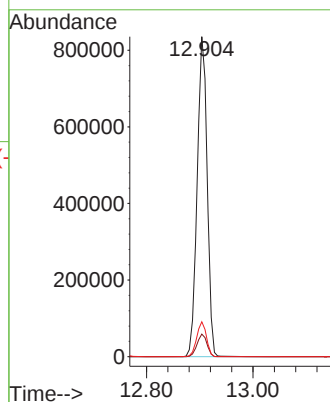
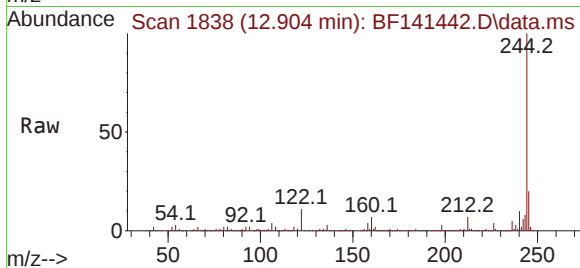
122 10.9 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#80

Butylbenzylphthalate

Concen: 50.276 ng

RT: 13.380 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

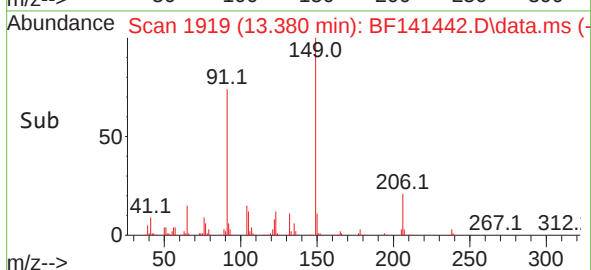
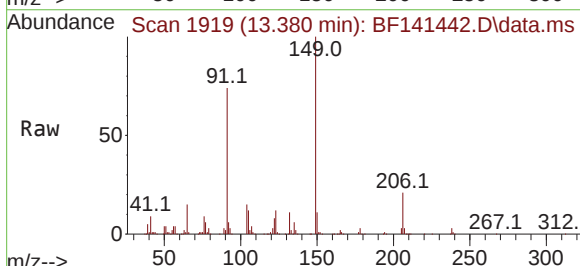
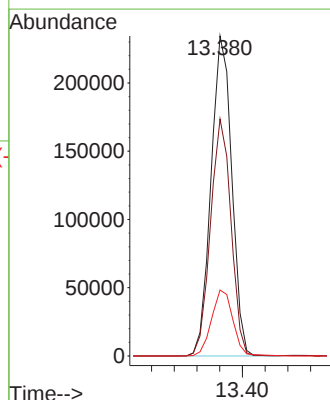
Tgt Ion:149 Resp: 297386

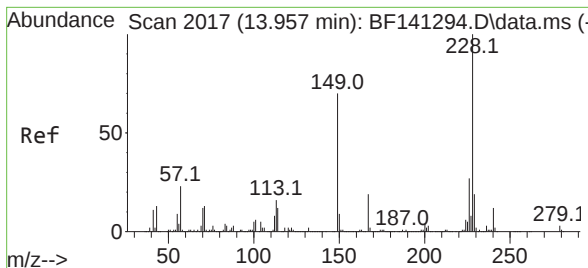
Ion Ratio Lower Upper

149 100

91 74.0 58.6 87.8

206 20.6 16.7 25.1





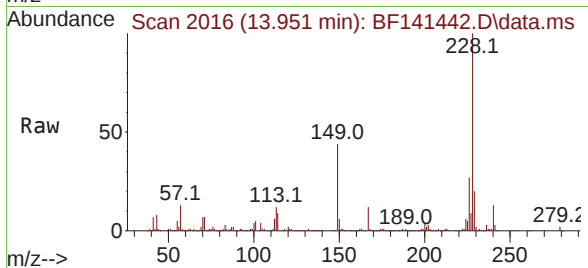
#81
Benzo(a)anthracene
Concen: 48.577 ng
RT: 13.951 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

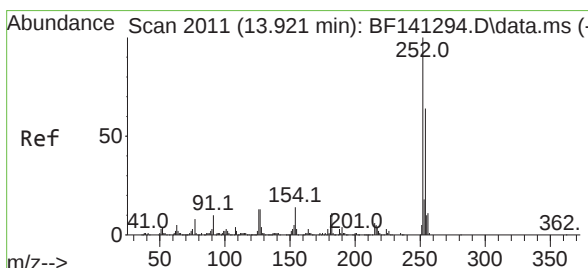
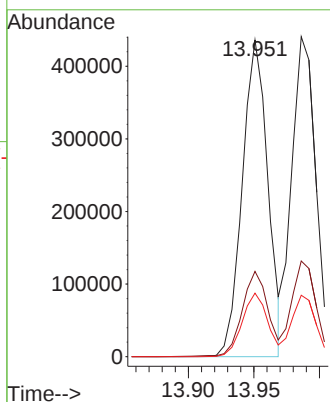
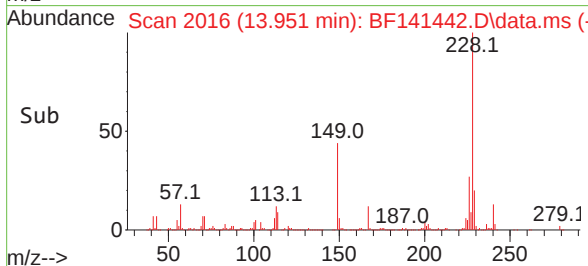


Tgt Ion:228 Resp: 59125
Ion Ratio Lower Upper
228 100
226 26.9 21.4 32.2
229 20.1 15.5 23.3

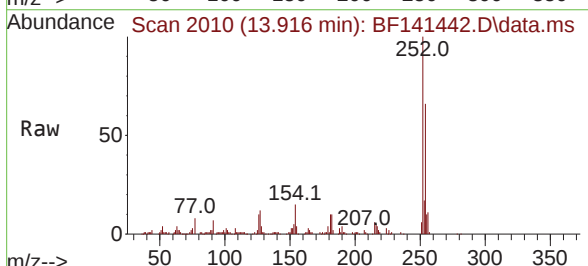
Manual Integrations

APPROVED

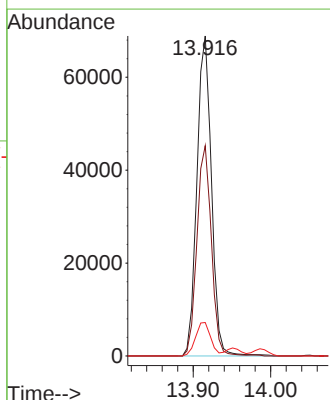
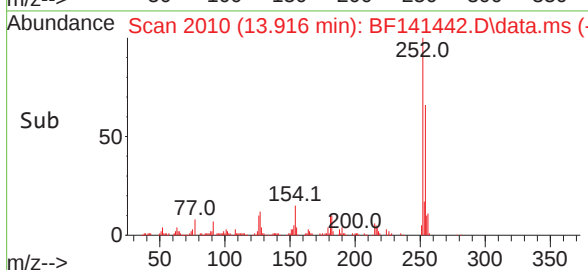
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

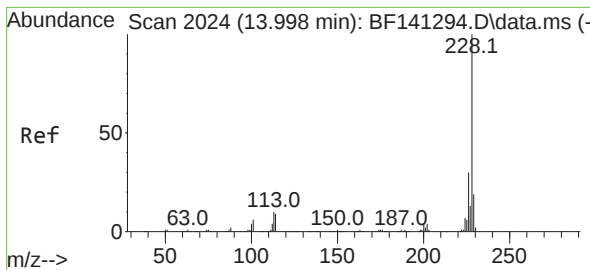


#82
3,3'-Dichlorobenzidine
Concen: 23.167 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05



Tgt Ion:252 Resp: 89685
Ion Ratio Lower Upper
252 100
254 65.7 51.3 76.9
126 10.4 10.0 15.0





#83

Chrysene

Concen: 50.299 ng

RT: 13.986 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

Tgt Ion:228 Resp: 561088

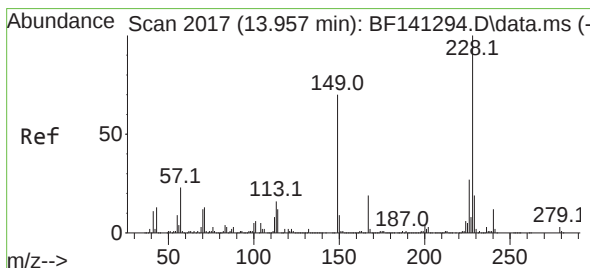
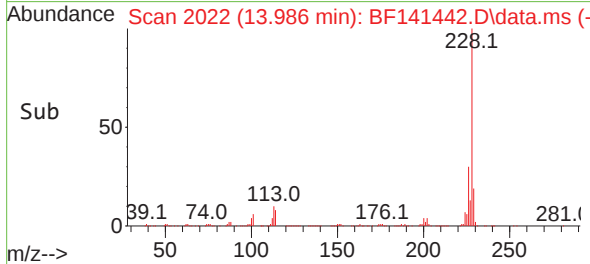
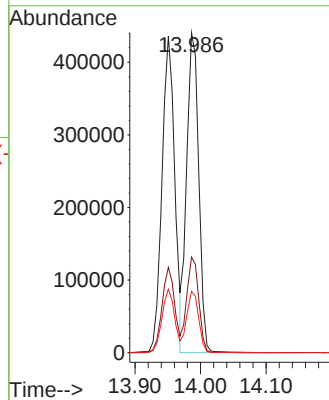
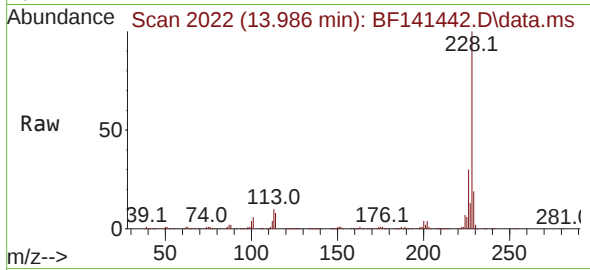
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	19.2	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.375 ng

RT: 13.945 min Scan# 2015

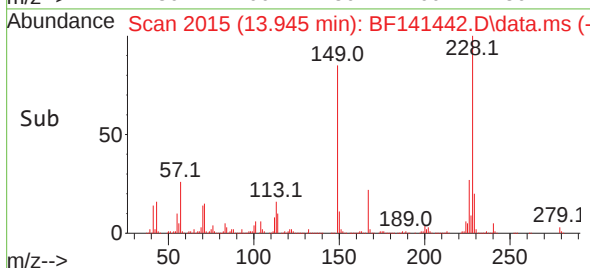
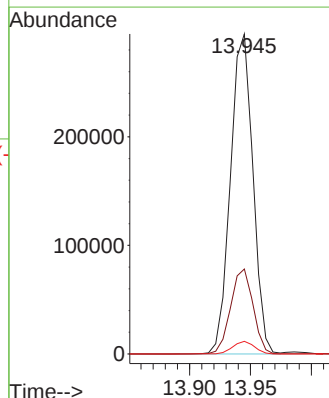
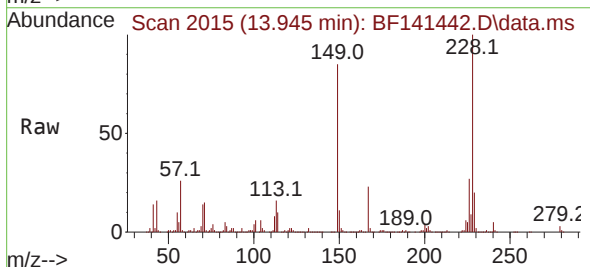
Delta R.T. -0.012 min

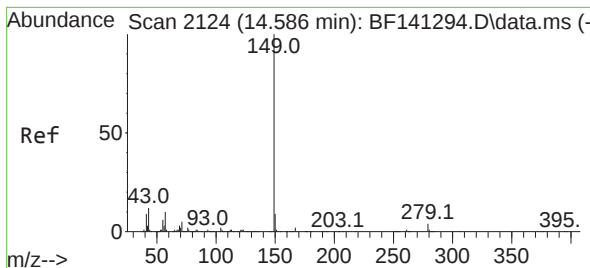
Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Tgt Ion:149 Resp: 377988

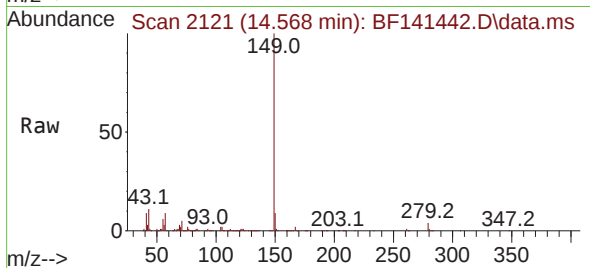
Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.8	32.8
279	3.9	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 49.459 ng
RT: 14.568 min Scan# 2124
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

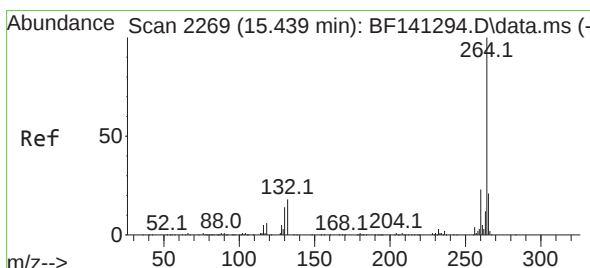
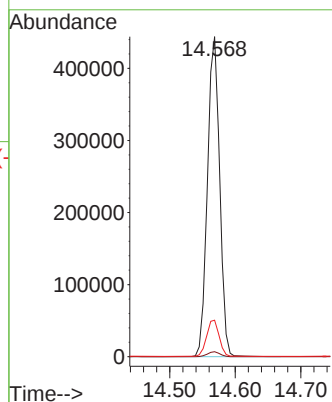
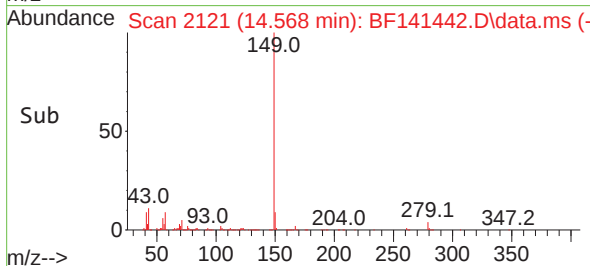
Instrument :
BNA_F
ClientSampleId :
PB166339BS



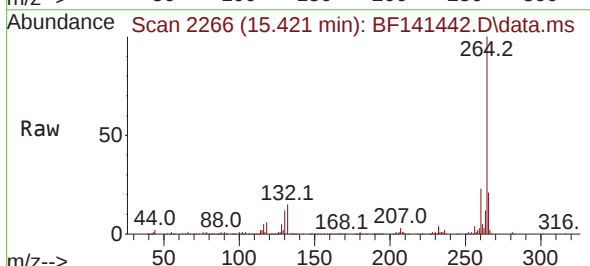
Tgt Ion:149 Resp: 576410
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.5 9.8 14.8

Manual Integrations
APPROVED

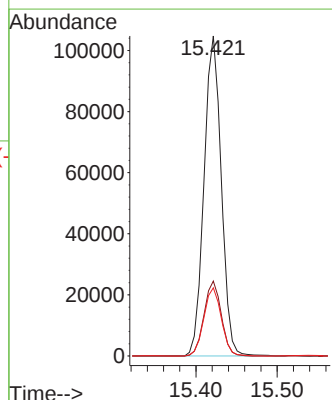
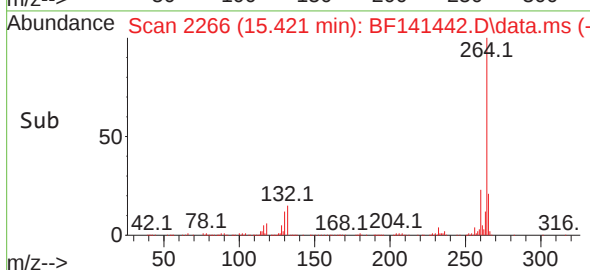
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

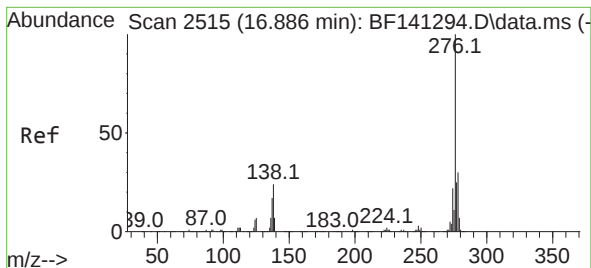


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05



Tgt Ion:264 Resp: 154350
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 21.3 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 52.473 ng

RT: 16.874 min Scan# 2195

Delta R.T. -0.024 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

PB166339BS

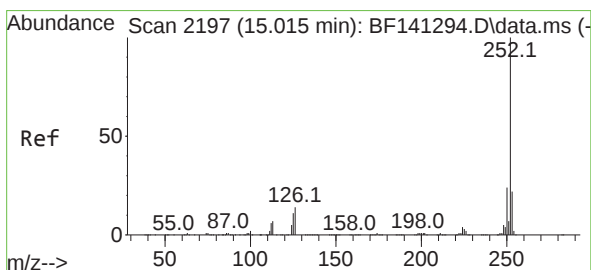
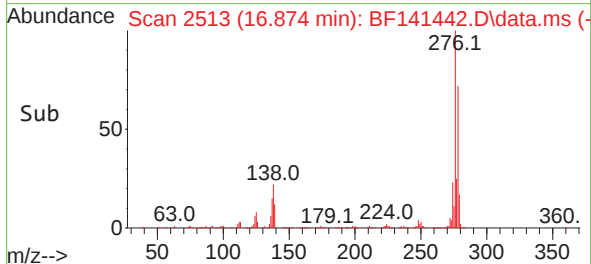
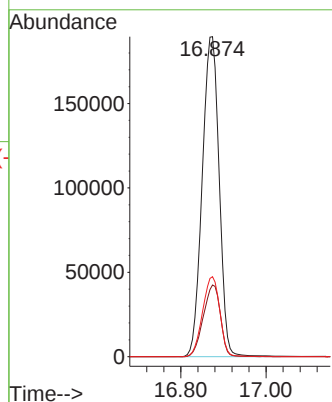
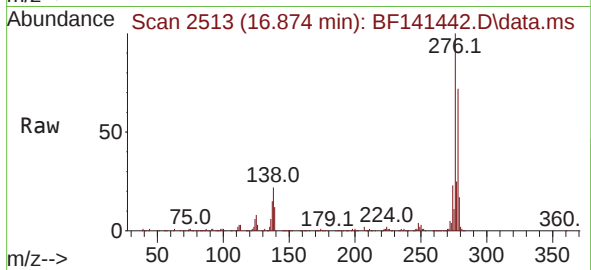
Tgt Ion:276 Resp: 522744
 Ion Ratio Lower Upper
 276 100
 138 22.6 21.7 32.5
 277 25.4 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#88

Benzo(b)fluoranthene

Concen: 50.796 ng

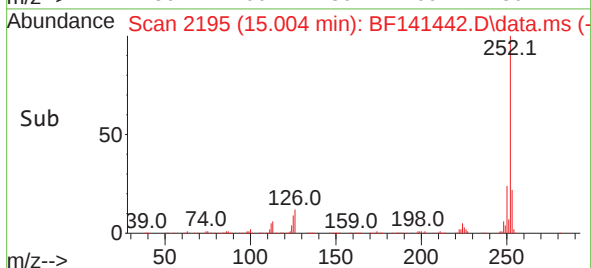
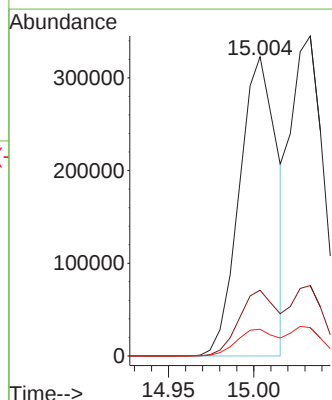
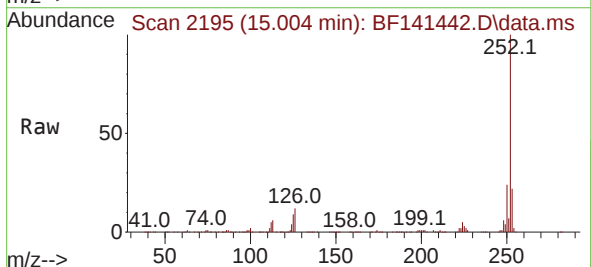
RT: 15.004 min Scan# 2195

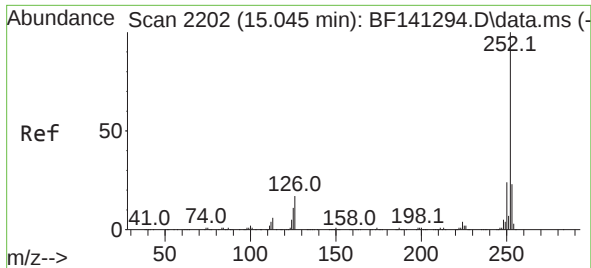
Delta R.T. -0.018 min

Lab File: BF141442.D

Acq: 05 Feb 2025 13:05

Tgt Ion:252 Resp: 493180
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.4 26.2
 125 8.9 8.6 12.8





#89
Benzo(k)fluoranthene
Concen: 53.561 ng
RT: 15.033 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

Instrument :

BNA_F

ClientSampleId :

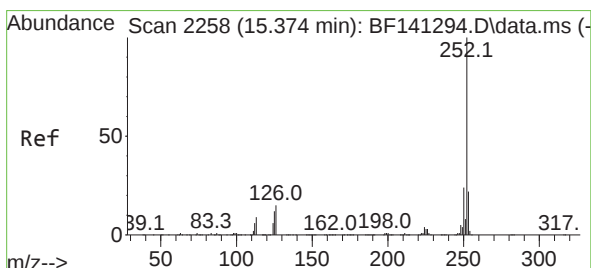
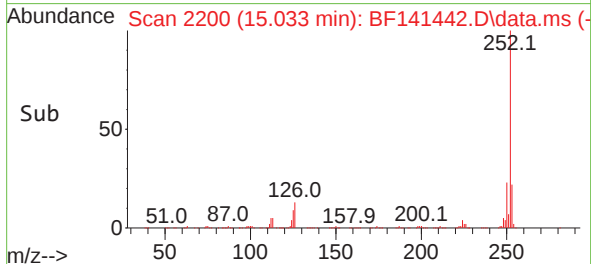
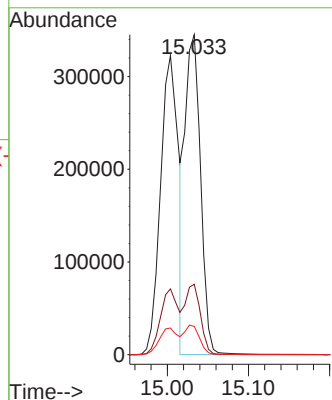
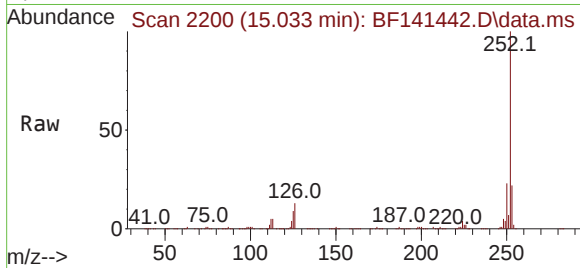
PB166339BS

Tgt Ion:252 Resp: 460679
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 8.8 8.4 12.6

Manual Integrations

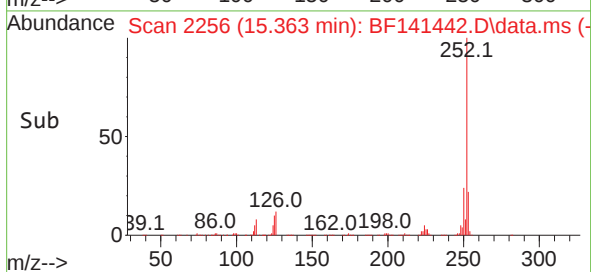
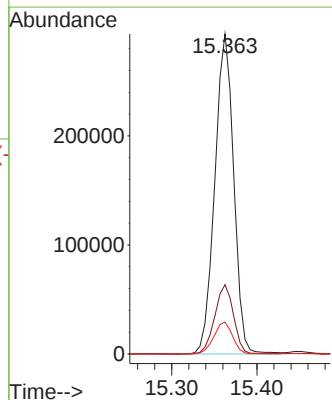
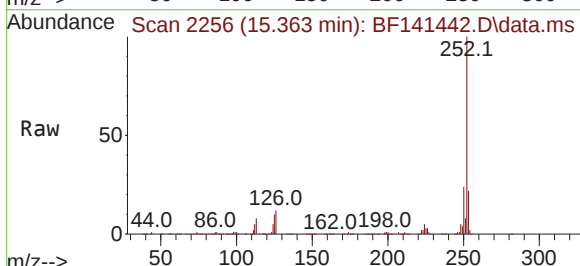
APPROVED

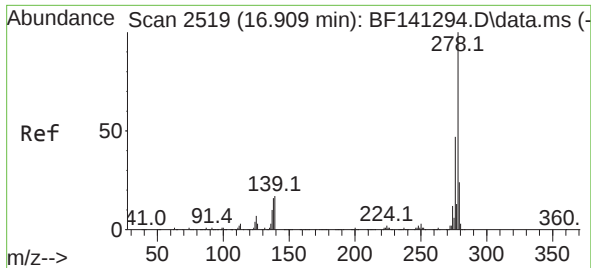
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#90
Benzo(a)pyrene
Concen: 55.220 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

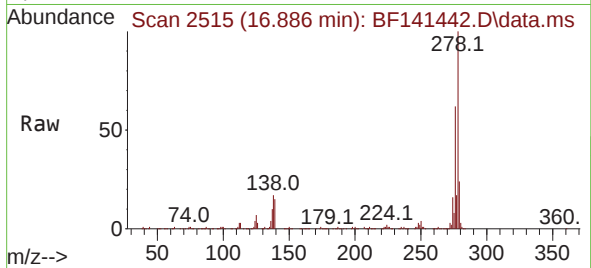
Tgt Ion:252 Resp: 453060
Ion Ratio Lower Upper
252 100
253 21.6 17.2 25.8
125 10.0 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 52.335 ng
RT: 16.886 min Scan# 2519
Delta R.T. -0.035 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05

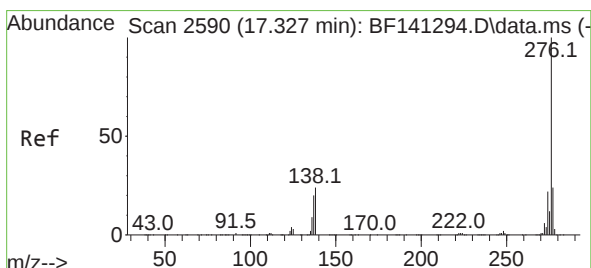
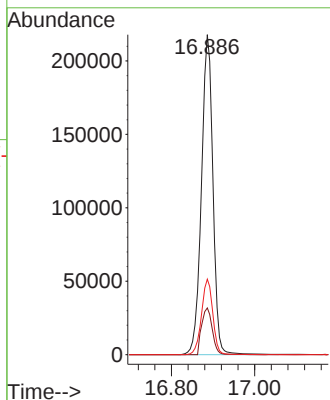
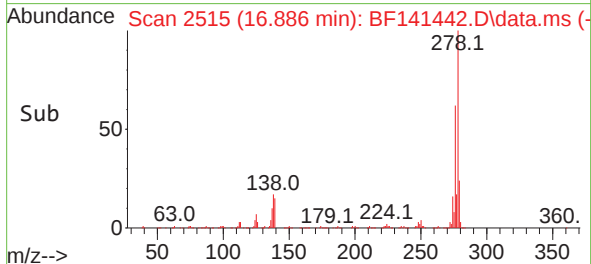
Instrument :
BNA_F
ClientSampleId :
PB166339BS



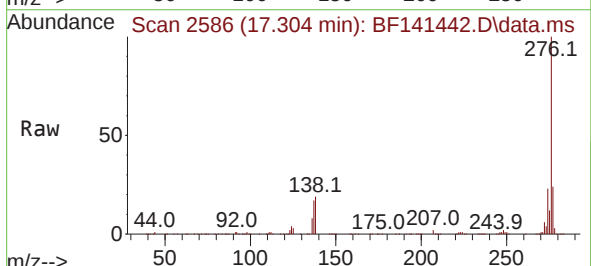
Tgt Ion:278 Resp: 41945
Ion Ratio Lower Upper
278 100
139 14.6 13.9 20.9
279 23.6 18.8 28.2

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 46.889 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141442.D
Acq: 05 Feb 2025 13:05



Tgt Ion:276 Resp: 390761
Ion Ratio Lower Upper
276 100
277 23.8 19.2 28.8
138 18.9 19.0 28.4#

