

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
 Data File : BF143314.D
 Acq On : 05 Aug 2025 14:28
 Operator : RC/JU
 Sample : Q2734-01MSD 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/06/2025

Supervised By :Jagrut Upadhyay 08/06/2025

Supervised By :Jagrut

Upadhyay

08/06/2025

Quant Time: Aug 05 14:49:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	119894	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	447775	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	200201	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	276419	20.000	ng	0.00
76) Chrysene-d12	14.133	240	209954	20.000	ng	0.01
86) Perylene-d12	15.645	264	154652	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	330350	43.602	ng	0.01
7) Phenol-d6	6.592	99	428488	44.932	ng	0.00
23) Nitrobenzene-d5	7.516	82	272013	30.281	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	78547	37.979	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	471839	32.232	ng	0.00
79) Terphenyl-d14	13.069	244	357534	25.341	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.822	88	64879	18.097	ng	99
3) Pyridine	3.604	79	162633	17.478	ng	100
4) n-Nitrosodimethylamine	3.528	42	98107	20.421	ng	98
6) Aniline	6.622	93	84743	6.376	ng	# 80
8) 2-Chlorophenol	6.751	128	166476	20.962	ng	98
9) Benzaldehyde	6.510	77	104462	14.608	ng	98
10) Phenol	6.604	94	221950	21.364	ng	99
11) bis(2-Chloroethyl)ether	6.692	93	177329	22.293	ng	98
12) 1,3-Dichlorobenzene	6.904	146	176226	20.427	ng	99
13) 1,4-Dichlorobenzene	6.981	146	177803	20.465	ng	99
14) 1,2-Dichlorobenzene	7.134	146	171514	20.756	ng	98
15) Benzyl Alcohol	7.098	79	151728	20.838	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	309661	20.986	ng	97
17) 2-Methylphenol	7.216	107	138495	20.741	ng	99
18) Hexachloroethane	7.481	117	49572	16.482	ng	99
19) n-Nitroso-di-n-propyla...	7.363	70	124598	20.365	ng	96
20) 3+4-Methylphenols	7.363	107	173188	21.377	ng	# 70
22) Acetophenone	7.363	105	233314	22.008	ng	# 95
24) Nitrobenzene	7.539	77	181471	21.668	ng	100
25) Isophorone	7.781	82	337361	21.274	ng	99
26) 2-Nitrophenol	7.857	139	85862	23.623	ng	98
27) 2,4-Dimethylphenol	7.892	122	153155m	20.672	ng	
28) bis(2-Chloroethoxy)met...	7.987	93	207274	21.800	ng	99
29) 2,4-Dichlorophenol	8.104	162	127227	20.362	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	137977	20.440	ng	100
31) Naphthalene	8.269	128	462850	20.989	ng	100
32) Benzoic acid	7.981	122	75233	21.260	ng	98
33) 4-Chloroaniline	8.310	127	58350	6.480	ng	99
34) Hexachlorobutadiene	8.386	225	83154	20.166	ng	99
35) Caprolactam	8.657	113	40704	21.558	ng	91
36) 4-Chloro-3-methylphenol	8.792	107	129818	19.116	ng	96
37) 2-Methylnaphthalene	8.957	142	275169	20.506	ng	100
38) 1-Methylnaphthalene	9.057	142	281572	20.377	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	132955	23.003	ng	98
41) Hexachlorocyclopentadiene	9.116	237	62	0.016	ng	# 27
43) 2,4,6-Trichlorophenol	9.233	196	82178	20.543	ng	99

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Manual Integrations
 APPROVED

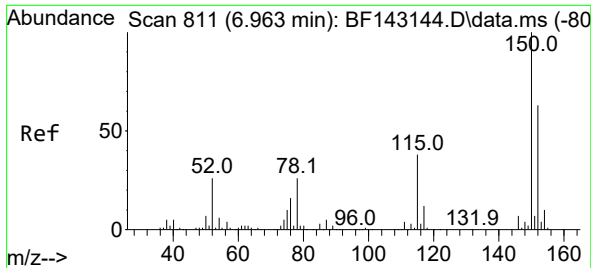
Reviewed By :Rahul Chavli 08/06/2025
 Supervised By :Jagrut Upadhyay 08/06/2025

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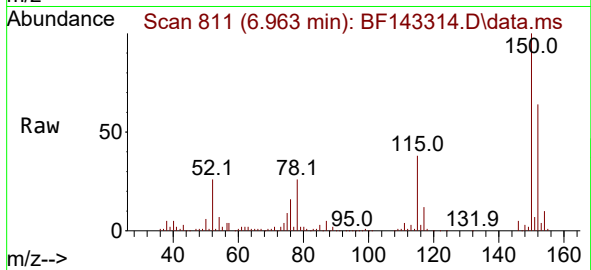
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.281	196	79149	19.780	ng	99
46) 1,1'-Biphenyl	9.422	154	363752	23.288	ng	99
47) 2-Chloronaphthalene	9.445	162	251508	21.762	ng	99
48) 2-Nitroaniline	9.533	65	84294	23.258	ng	98
49) Acenaphthylene	9.863	152	411753	21.259	ng	100
50) Dimethylphthalate	9.710	163	311940	23.904	ng	100
51) 2,6-Dinitrotoluene	9.775	165	61876	23.308	ng	98
52) Acenaphthene	10.033	154	240916	21.045	ng	97
53) 3-Nitroaniline	9.939	138	47642	15.343	ng	98
54) 2,4-Dinitrophenol	10.051	184	7916	12.695	ng	88
55) Dibenzofuran	10.204	168	351909	20.705	ng	99
56) 4-Nitrophenol	10.104	139	78452	33.834	ng	98
57) 2,4-Dinitrotoluene	10.175	165	72252	21.694	ng	99
58) Fluorene	10.551	166	260939	20.456	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.328	232	60657	18.300	ng	97
60) Diethylphthalate	10.410	149	288769	22.388	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	131501	20.703	ng	98
62) 4-Nitroaniline	10.551	138	48330	18.161	ng	98
63) Azobenzene	10.698	77	276717	20.585	ng	97
65) 4,6-Dinitro-2-methylph...	10.586	198	7479	9.992	ng	81
66) n-Nitrosodiphenylamine	10.651	169	224032	23.016	ng	98
67) 4-Bromophenyl-phenylether	11.027	248	72398	21.978	ng	99
68) Hexachlorobenzene	11.104	284	66007	19.171	ng	99
69) Atrazine	11.175	200	64155	23.908	ng	100
70) Pentachlorophenol	11.292	266	69356	34.253	ng	99
71) Phenanthrene	11.516	178	425693	29.004	ng	99
72) Anthracene	11.563	178	351413	23.476	ng	99
73) Carbazole	11.716	167	305670	23.386	ng	99
74) Di-n-butylphthalate	12.045	149	368926	24.945	ng	100
75) Fluoranthene	12.704	202	660664	49.041	ng	99
77) Benzidine	12.822	184	9478	1.172	ng	# 55
78) Pyrene	12.933	202	644926	35.992	ng	99
80) Butylbenzylphthalate	13.545	149	149527	27.252	ng	99
81) Benzo(a)anthracene	14.121	228	454225	32.314	ng	99
82) 3,3'-Dichlorobenzidine	14.080	252	57677	12.311	ng	99
83) Chrysene	14.157	228	407381	32.234	ng	99
84) Bis(2-ethylhexyl)phtha...	14.104	149	219811	26.468	ng	99
85) Di-n-octyl phthalate	14.721	149	342644	22.761	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.192	276	228945	20.994	ng	99
88) Benzo(b)fluoranthene	15.198	252	324920	34.391	ng	# 96
89) Benzo(k)fluoranthene	15.227	252	261182m	30.980	ng	
90) Benzo(a)pyrene	15.580	252	267795	30.764	ng	97
91) Dibenzo(a,h)anthracene	17.209	278	157308	17.723	ng	97
92) Benzo(g,h,i)perylene	17.662	276	183201	21.337	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

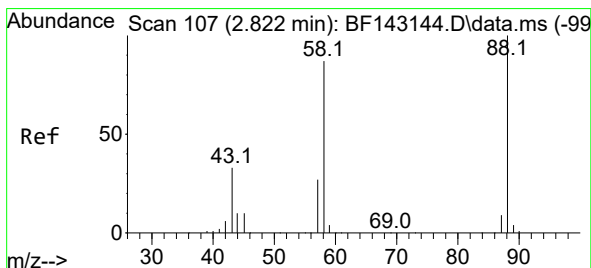
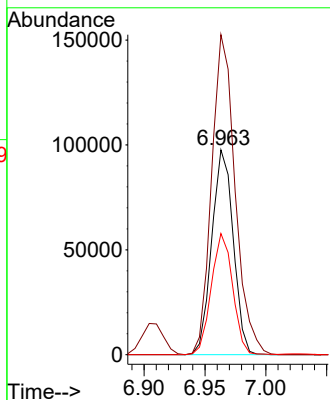
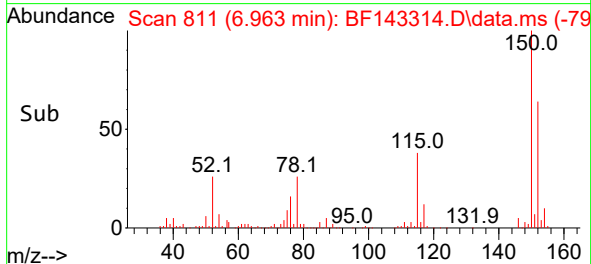


Tgt Ion:152 Resp: 119894
Ion Ratio Lower Upper
152 100
150 156.3 128.2 192.4
115 59.2 47.9 71.9

Manual Integrations
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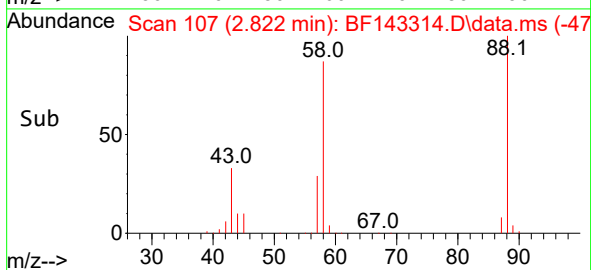
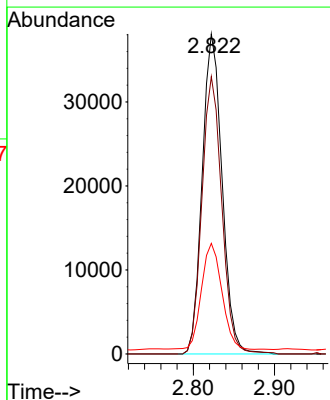
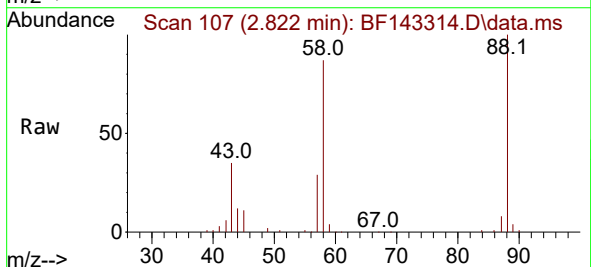
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

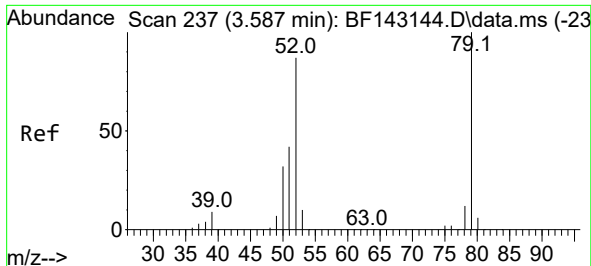
Supervised By :Jagrut
Upadhyay
08/06/2025



#2
1,4-Dioxane
Concen: 18.097 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion: 88 Resp: 64879
Ion Ratio Lower Upper
88 100
58 86.5 70.2 105.2
43 34.0 27.1 40.7





#3

Pyridine

Concen: 17.478 ng

RT: 3.604 min Scan# 24

Delta R.T. 0.018 min

Lab File: BF143314.D

Acq: 05 Aug 2025 14:28

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

Tgt Ion: 79 Resp: 16263

Ion Ratio Lower Upper

79 100

52 86.4 69.4 104.2

51 41.8 33.5 50.3

Manual Integrations

APPROVED

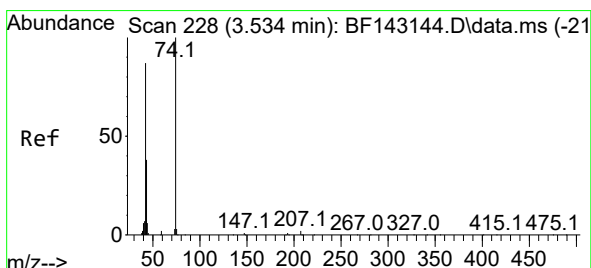
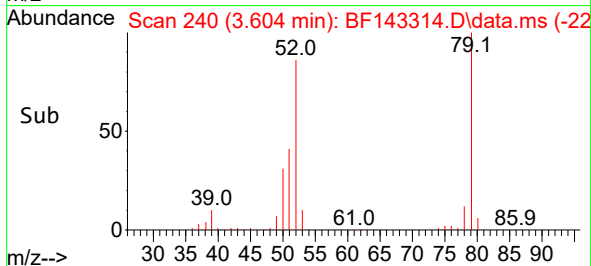
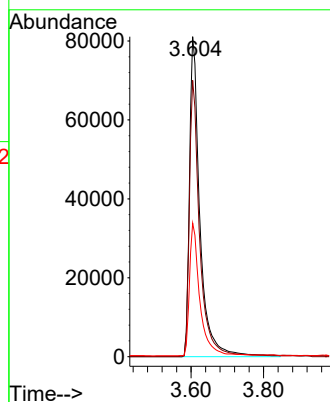
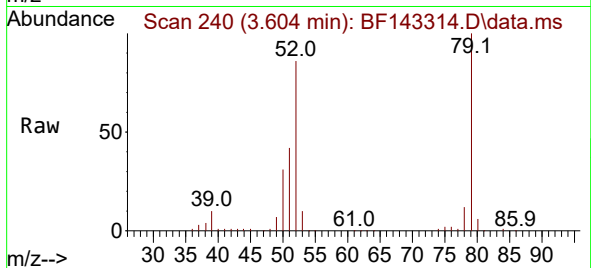
Reviewed By :Rahul Chavli 08/06/2025

Supervised By :Jagrut Upadhyay 08/06/2025

Supervised By :Jagrut

Upadhyay

08/06/2025



#4

n-Nitrosodimethylamine

Concen: 20.421 ng

RT: 3.528 min Scan# 227

Delta R.T. -0.006 min

Lab File: BF143314.D

Acq: 05 Aug 2025 14:28

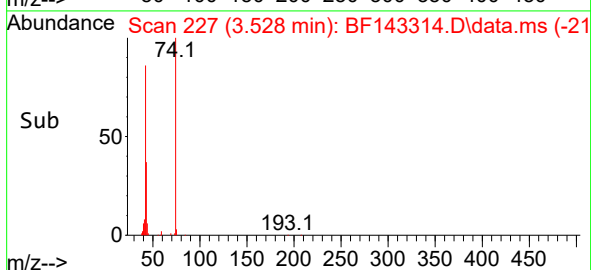
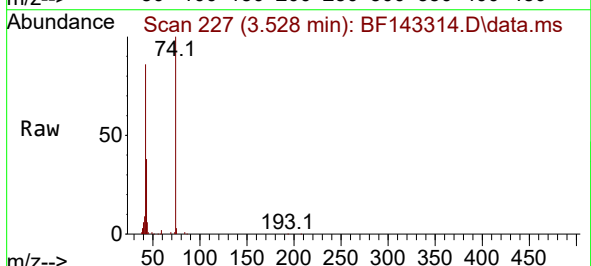
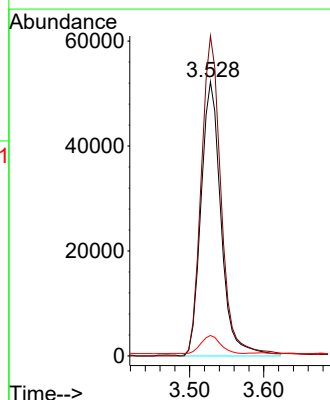
Tgt Ion: 42 Resp: 98107

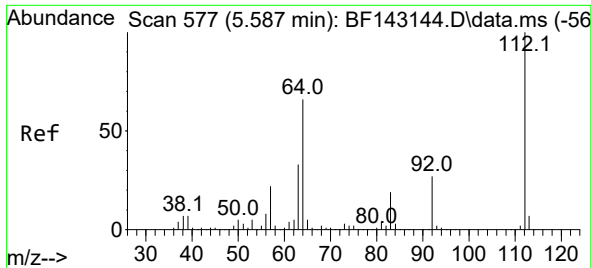
Ion Ratio Lower Upper

42 100

74 116.7 91.7 137.5

44 7.5 5.6 8.4





#5
2-Fluorophenol
Concen: 43.602 ng
RT: 5.598 min Scan# 511
Delta R.T. 0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

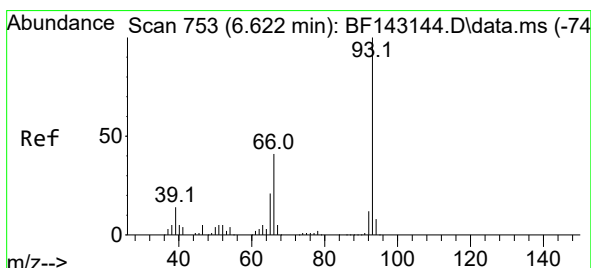
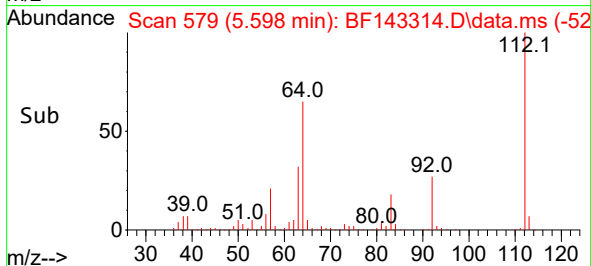
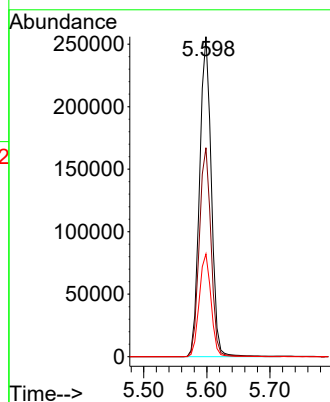
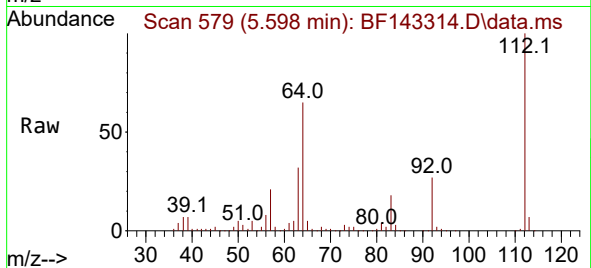
Instrument :
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Tgt Ion:112 Resp: 330350
Ion Ratio Lower Upper
112 100
64 65.3 53.1 79.7
63 32.1 26.6 40.0

Manual Integrations
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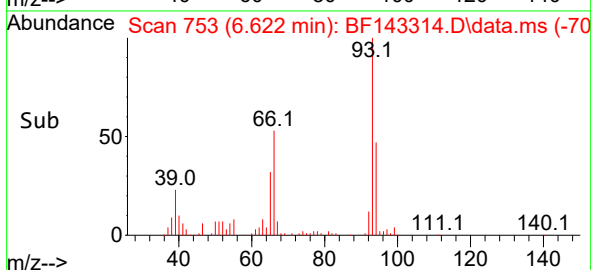
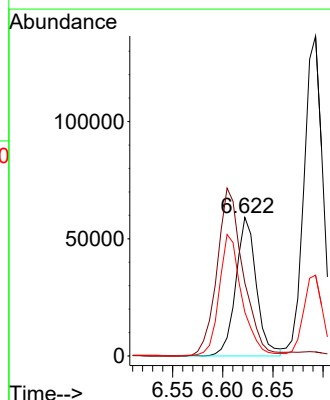
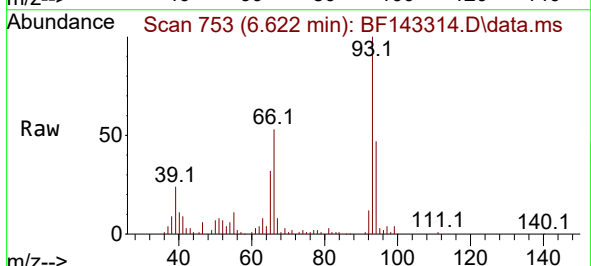
Reviewed By :Rahul Chavli 08/06/2025
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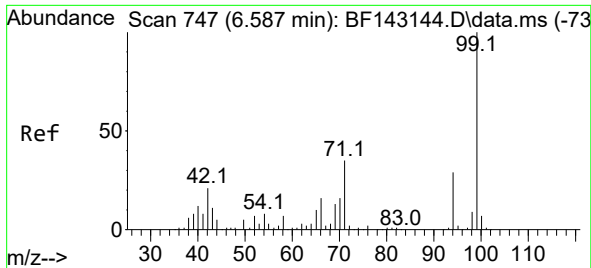
Supervised By :Jagrut
Upadhyay
08/06/2025



#6
Aniline
Concen: 6.376 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

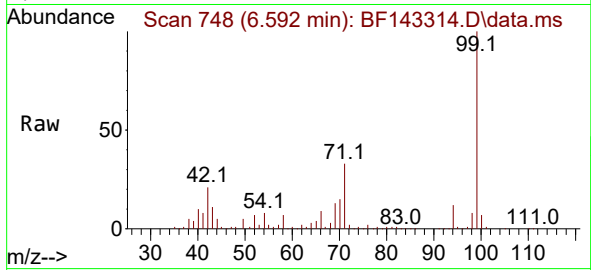
Tgt Ion: 93 Resp: 84743
Ion Ratio Lower Upper
93 100
66 52.8 33.2 49.8#
65 31.7 16.9 25.3#





#7
Phenol-d6
Concen: 44.932 ng
RT: 6.592 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

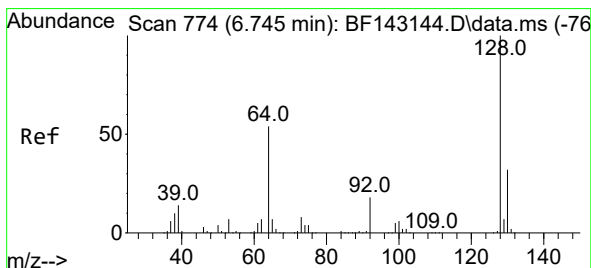
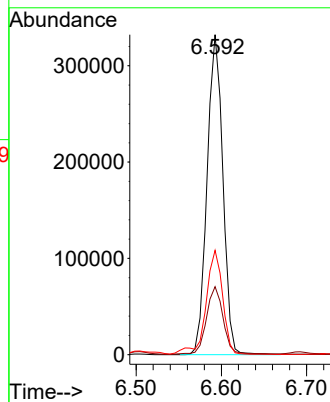
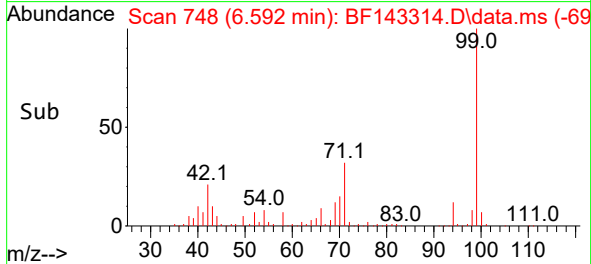


Tgt Ion: 99 Resp: 42848
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 32.6 27.7 41.5

Manual Integrations
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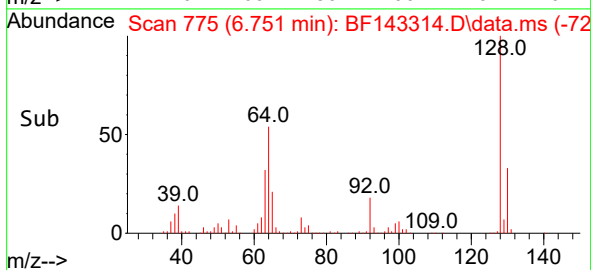
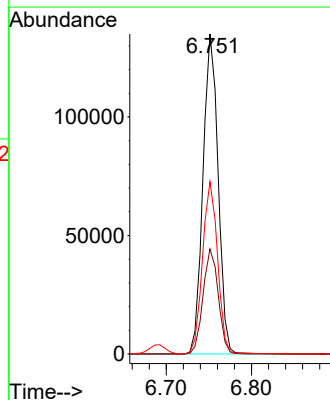
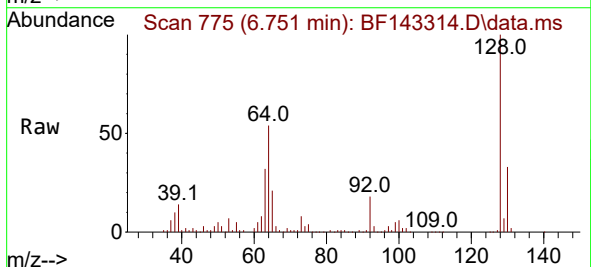
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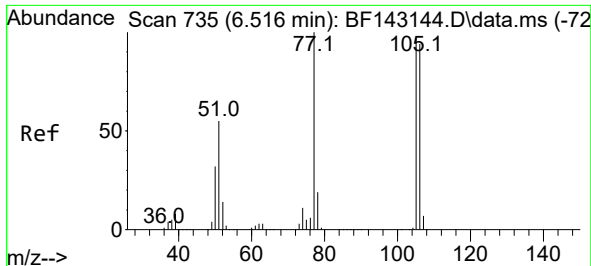
Supervised By :Jagrut
Upadhyay
08/06/2025



#8
2-Chlorophenol
Concen: 20.962 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

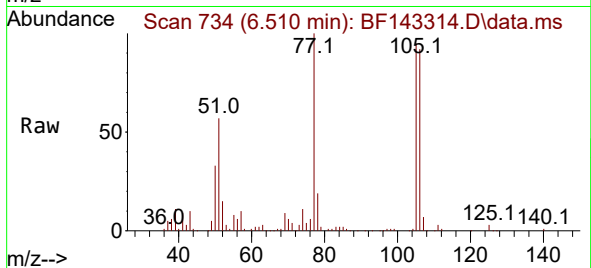
Tgt Ion:128 Resp: 166476
Ion Ratio Lower Upper
128 100
130 32.8 12.3 52.3
64 53.8 35.9 75.9





#9
Benzaldehyde
Concen: 14.608 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

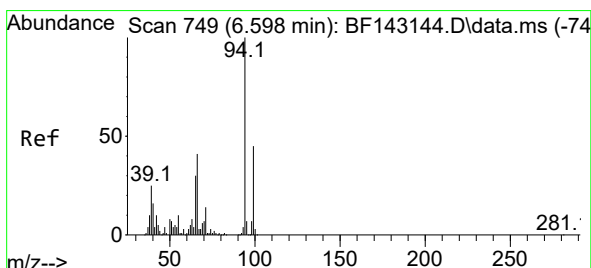
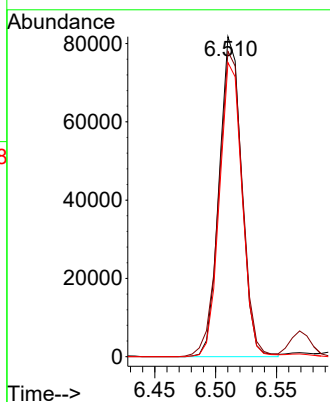
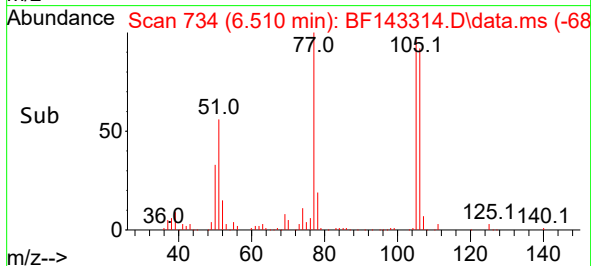


Tgt Ion: 77 Resp: 104462
Ion Ratio Lower Upper
77 100
105 95.4 76.8 116.8
106 91.9 74.4 114.4

Manual Integrations
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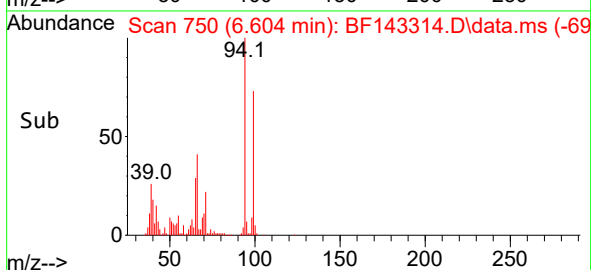
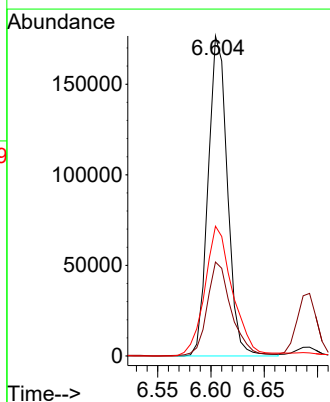
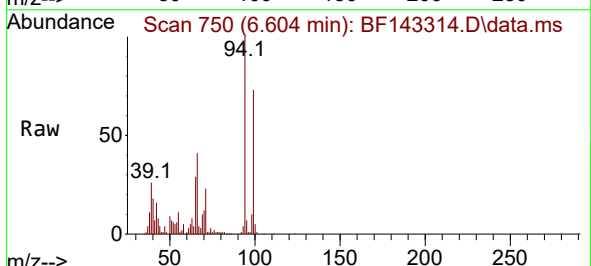
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

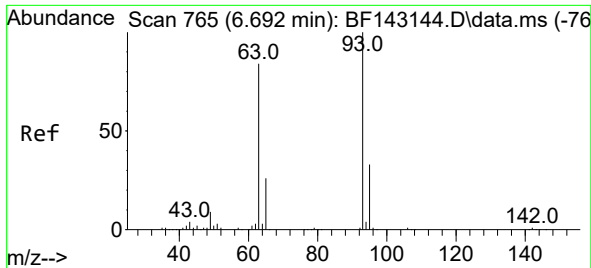
Supervised By :Jagrut
Upadhyay
08/06/2025



#10
Phenol
Concen: 21.364 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion: 94 Resp: 221950
Ion Ratio Lower Upper
94 100
65 29.3 10.0 50.0
66 40.5 20.8 60.8





#11
bis(2-Chloroethyl)ether
Concen: 22.293 ng
RT: 6.692 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

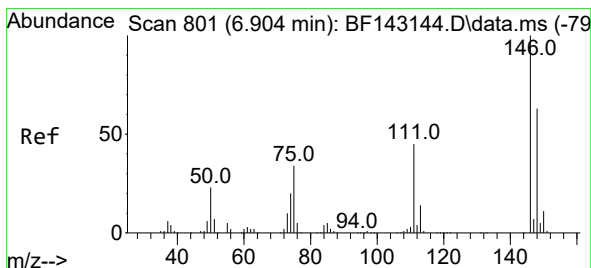
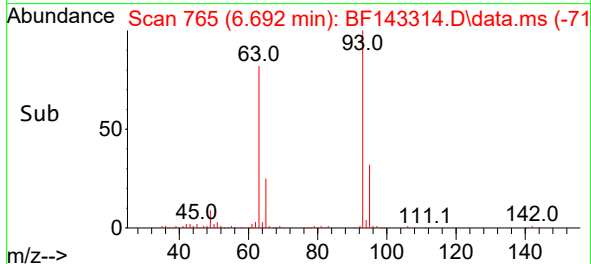
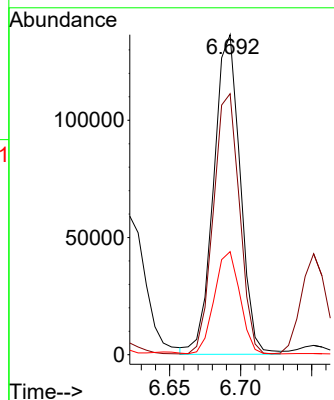
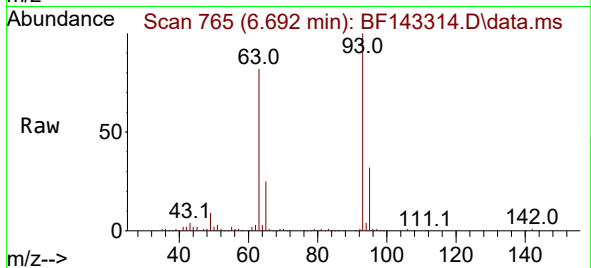
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion: 93 Resp: 177329
Ion Ratio Lower Upper
93 100
63 81.6 63.4 103.4
95 32.2 12.4 52.4

Manual Integrations
APPROVED

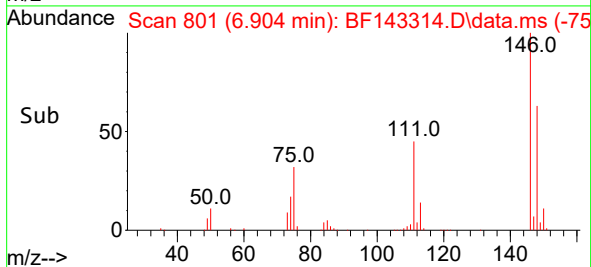
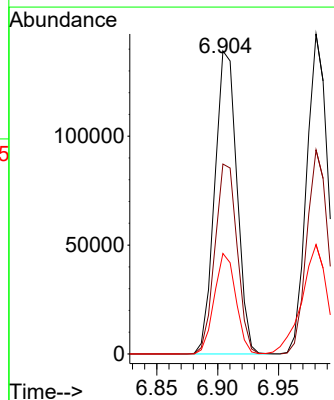
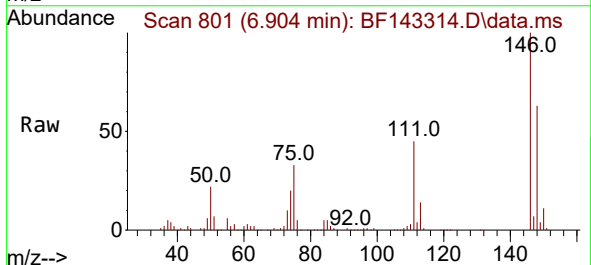
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

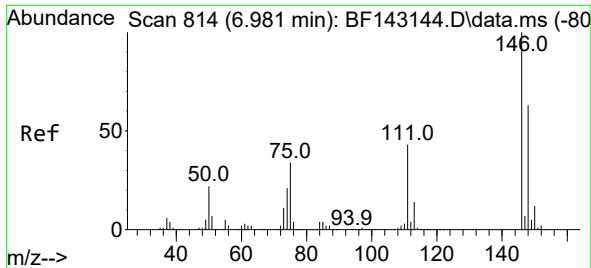
Supervised By :Jagrut
Upadhyay
08/06/2025



#12
1,3-Dichlorobenzene
Concen: 20.427 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:146 Resp: 176226
Ion Ratio Lower Upper
146 100
148 62.7 50.6 76.0
75 33.1 27.4 41.2





#13
1,4-Dichlorobenzene
Concen: 20.465 ng
RT: 6.981 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

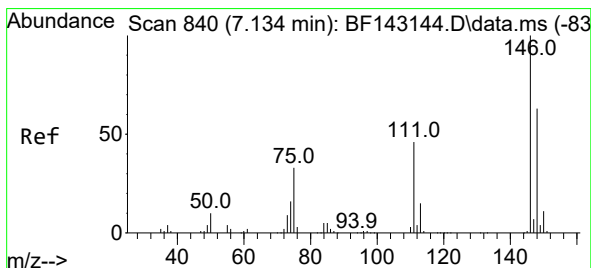
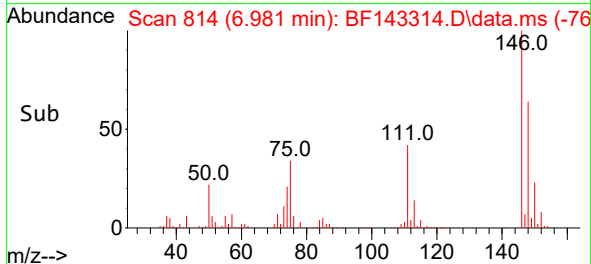
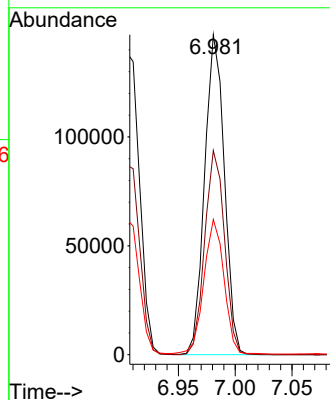
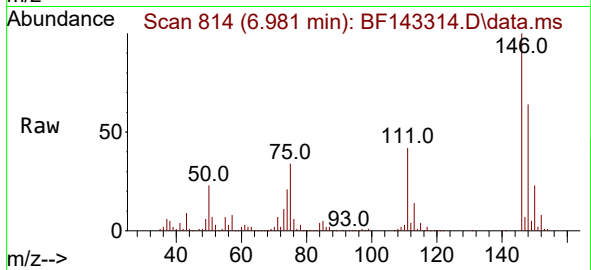
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:146 Resp: 17780
Ion Ratio Lower Upper
146 100
148 63.8 50.3 75.5
111 42.3 34.4 51.6

Manual Integrations
APPROVED

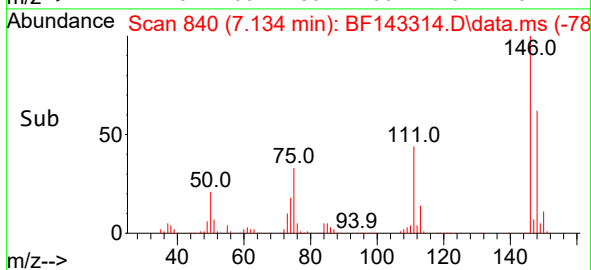
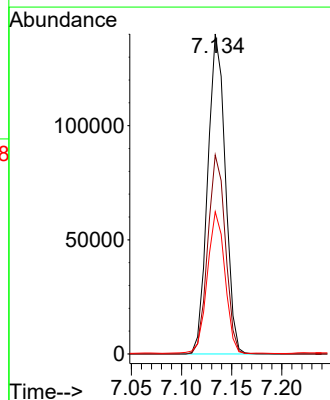
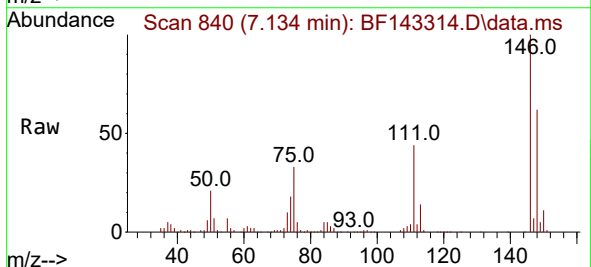
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

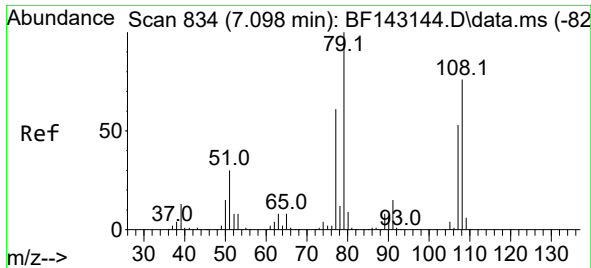
Supervised By :Jagrut
Upadhyay
08/06/2025



#14
1,2-Dichlorobenzene
Concen: 20.756 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:146 Resp: 171514
Ion Ratio Lower Upper
146 100
148 62.2 50.7 76.1
111 44.5 36.6 54.8





#15
Benzyl Alcohol
Concen: 20.838 ng
RT: 7.098 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

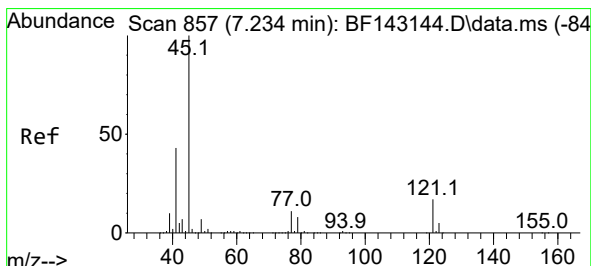
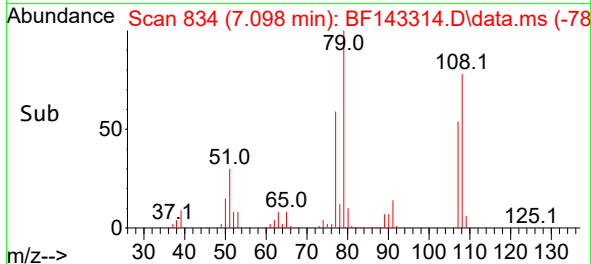
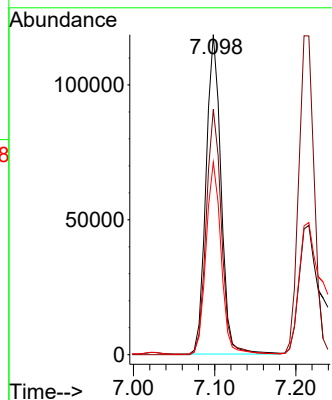
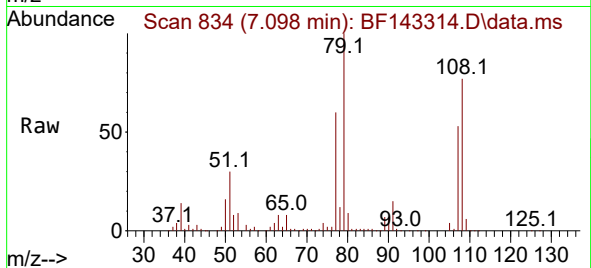
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion: 79 Resp: 151728
Ion Ratio Lower Upper
79 100
108 76.7 61.1 91.7
77 60.2 48.9 73.3

Manual Integrations
APPROVED

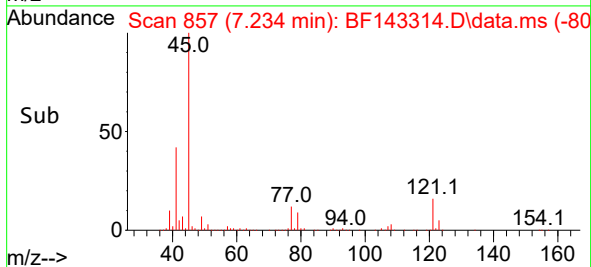
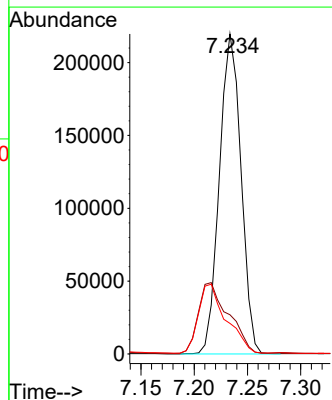
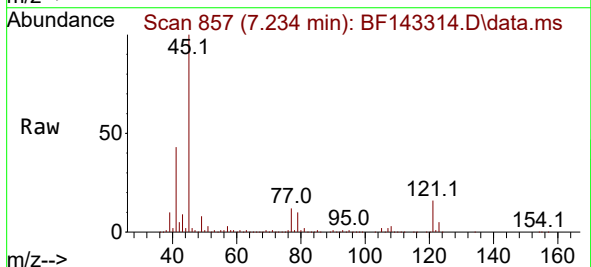
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

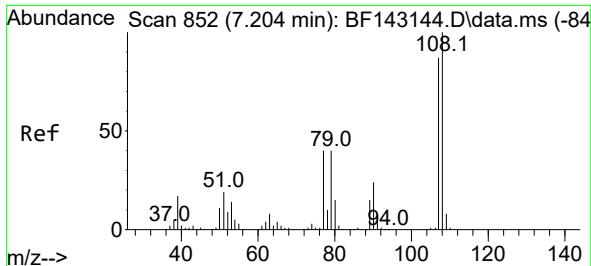
Supervised By :Jagrut
Upadhyay
08/06/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.986 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

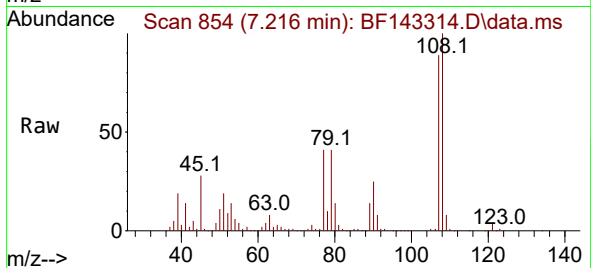
Tgt Ion: 45 Resp: 309661
Ion Ratio Lower Upper
45 100
77 12.3 0.0 31.2
79 9.6 0.0 28.5





#17
2-Methylphenol
Concen: 20.741 ng
RT: 7.216 min Scan# 854
Delta R.T. 0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

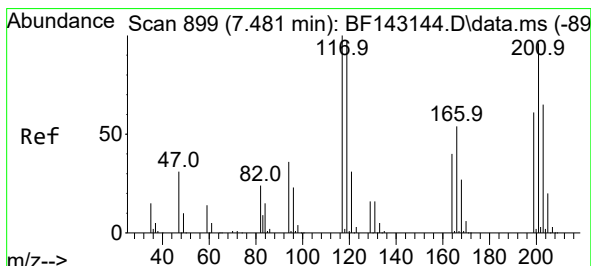
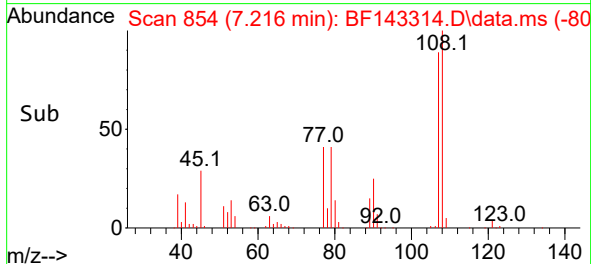
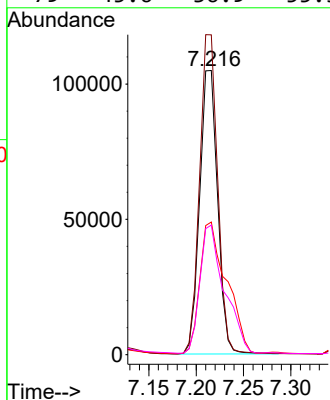


Tgt Ion:107 Resp: 13849
Ion Ratio Lower Upper
107 100
108 112.6 91.8 137.6
77 46.7 37.0 55.6
79 45.6 36.9 55.3

Manual Integrations
APPROVED

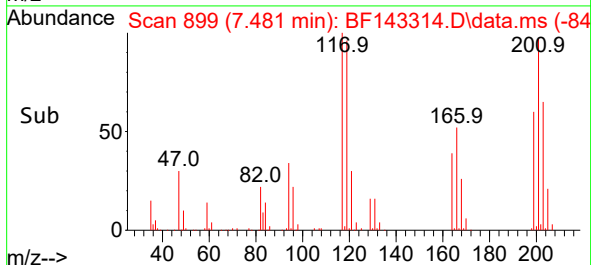
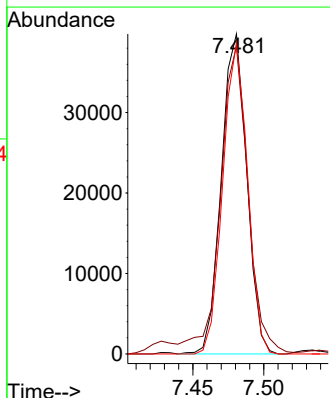
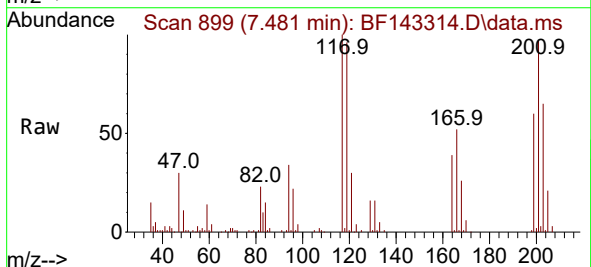
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

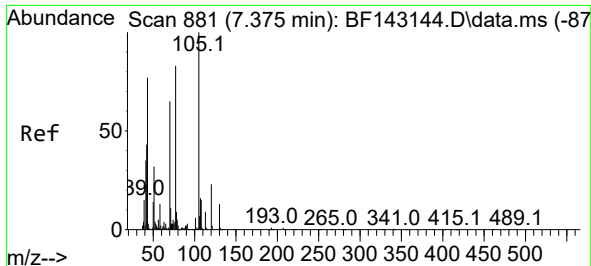
Supervised By :Jagrut
Upadhyay
08/06/2025



#18
Hexachloroethane
Concen: 16.482 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:117 Resp: 49572
Ion Ratio Lower Upper
117 100
119 96.3 77.8 116.8
201 97.3 77.0 115.4





#19
n-Nitroso-di-n-propylamine
Concen: 20.365 ng
RT: 7.363 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

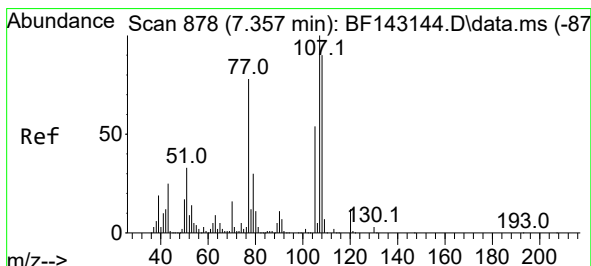
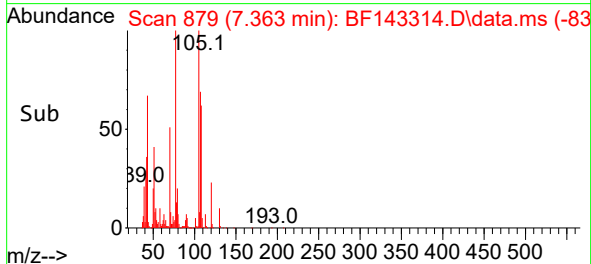
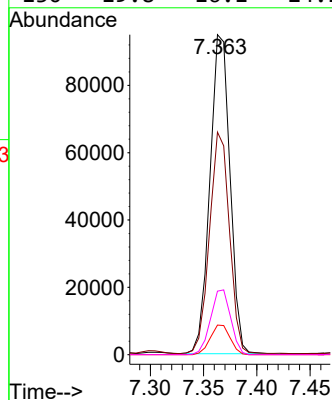
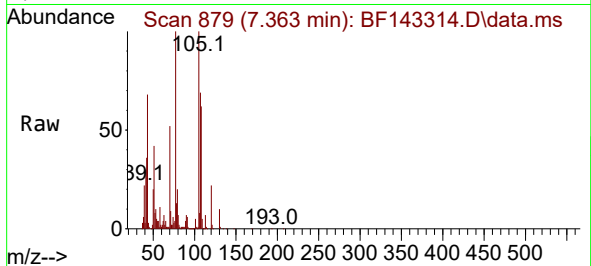
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion: 70 Resp: 124598
Ion Ratio Lower Upper
70 100
42 69.6 52.5 78.7
101 9.3 7.6 11.4
130 19.8 16.1 24.1

Manual Integrations
APPROVED

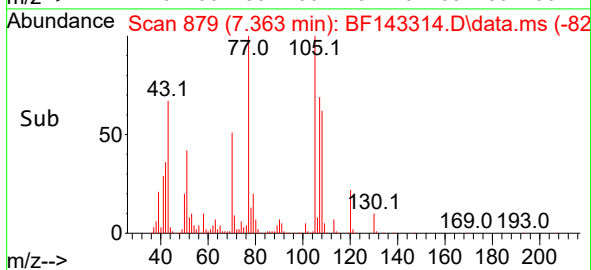
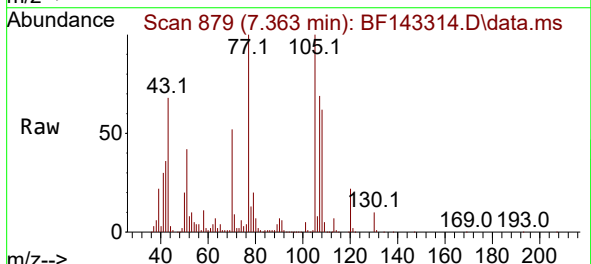
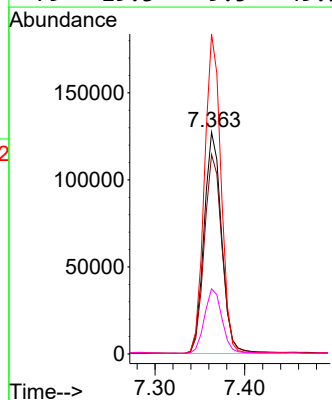
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

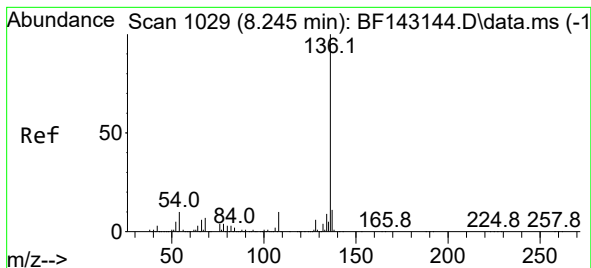
Supervised By :Jagrut
Upadhyay
08/06/2025



#20
3+4-Methylphenols
Concen: 21.377 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

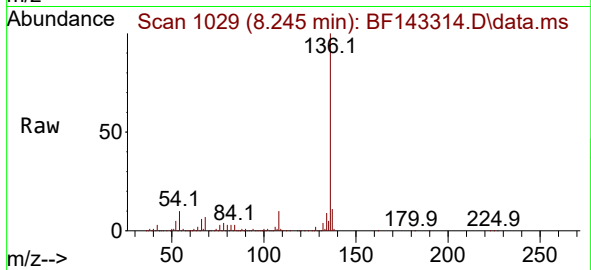
Tgt Ion:107 Resp: 173188
Ion Ratio Lower Upper
107 100
108 89.9 70.0 110.0
77 144.2 57.8 97.8#
79 29.3 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

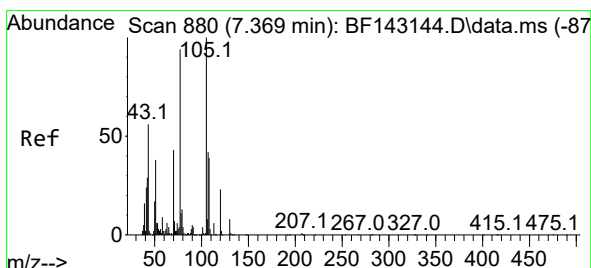
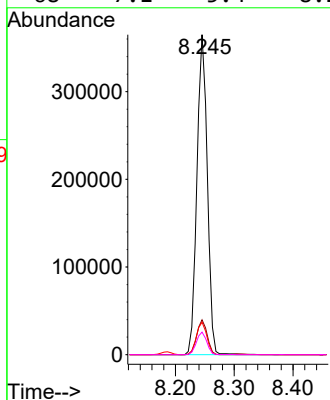
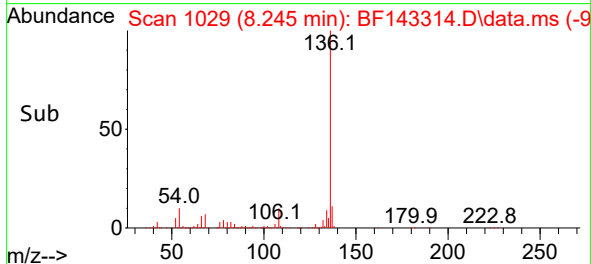


Tgt Ion:136 Resp: 447777
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.1 8.2 12.2
68 7.1 5.4 8.2

Manual Integrations
APPROVED

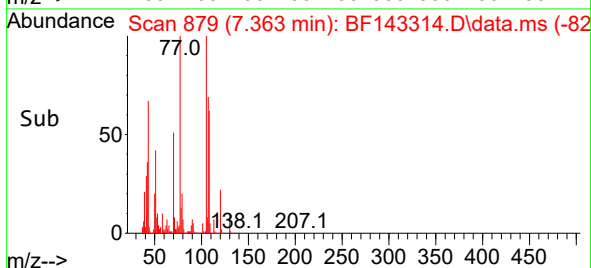
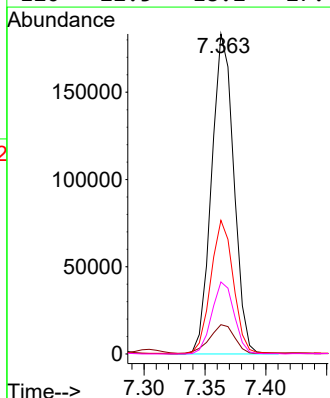
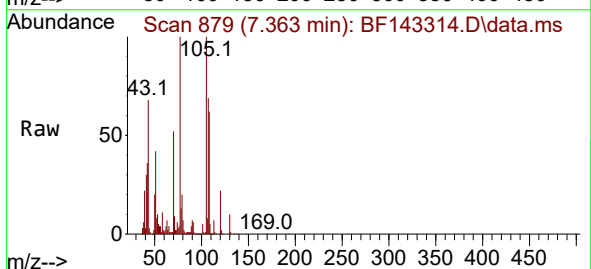
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

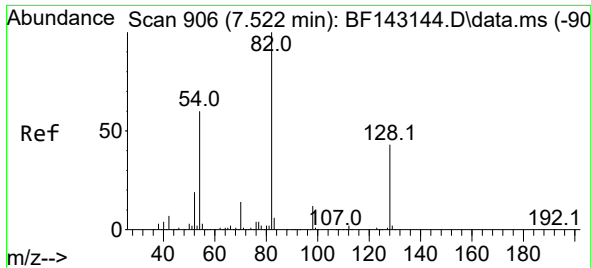
Supervised By :Jagrut
Upadhyay
08/06/2025



#22
Acetophenone
Concen: 22.008 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:105 Resp: 233314
Ion Ratio Lower Upper
105 100
71 9.2 5.8 8.6#
51 41.8 30.2 45.2
120 22.5 18.2 27.4





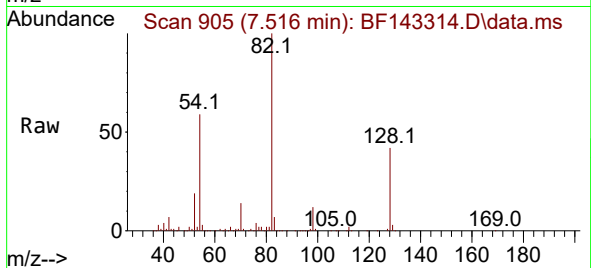
#23
Nitrobenzene-d5
Concen: 30.281 ng
RT: 7.516 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

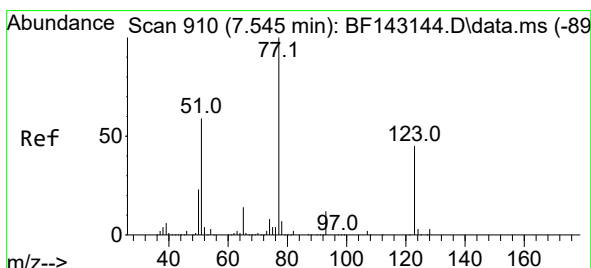
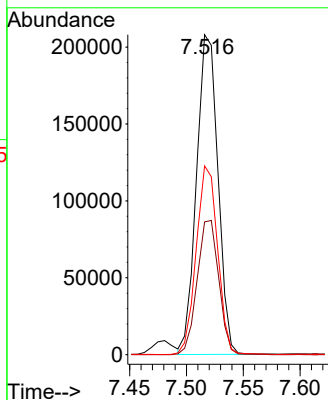
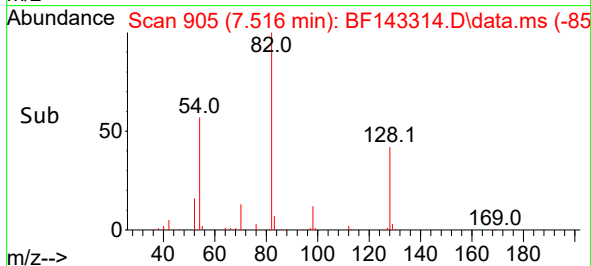


Tgt Ion: 82 Resp: 27201
Ion Ratio Lower Upper
82 100
128 41.5 33.6 50.4
54 59.0 47.1 70.7

Manual Integrations
APPROVED

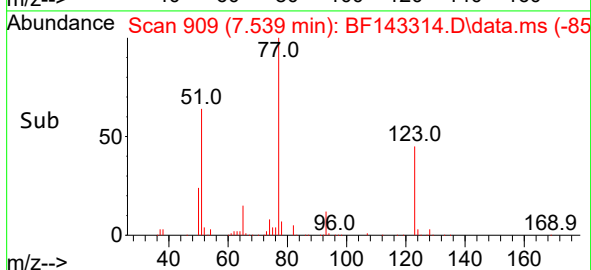
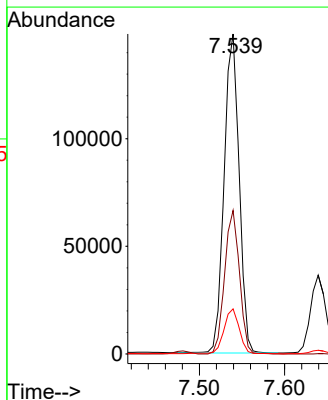
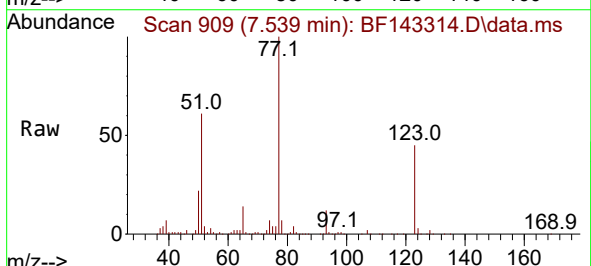
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

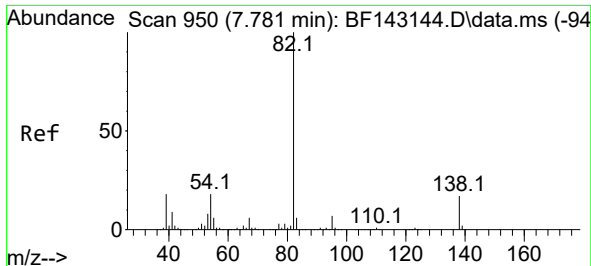
Supervised By :Jagrut
Upadhyay
08/06/2025



#24
Nitrobenzene
Concen: 21.668 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

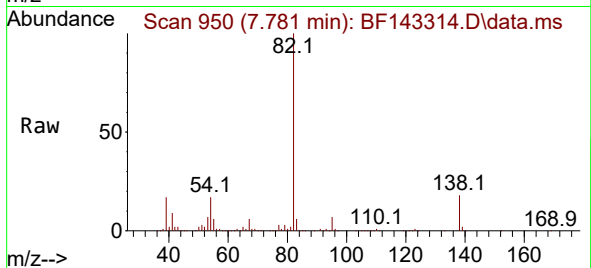
Tgt Ion: 77 Resp: 181471
Ion Ratio Lower Upper
77 100
123 44.9 36.1 54.1
65 14.1 11.4 17.2





#25
Isophorone
Concen: 21.274 ng
RT: 7.781 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

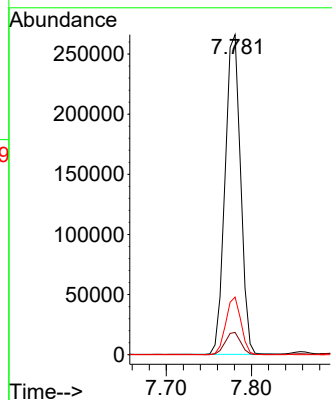
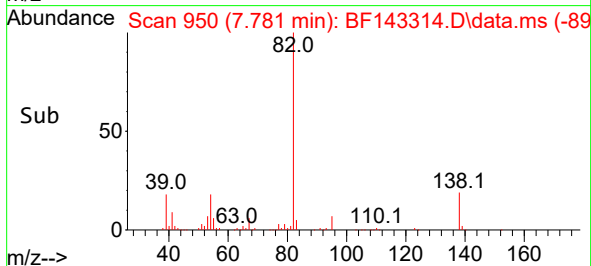
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD



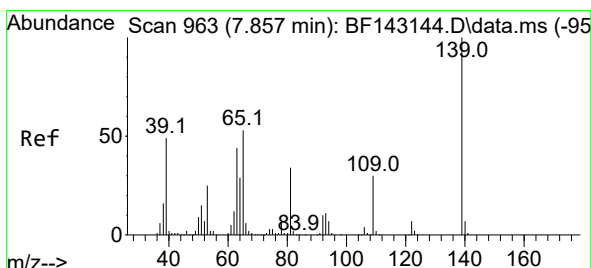
Tgt Ion: 82 Resp: 33736
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 18.0 13.8 20.8

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

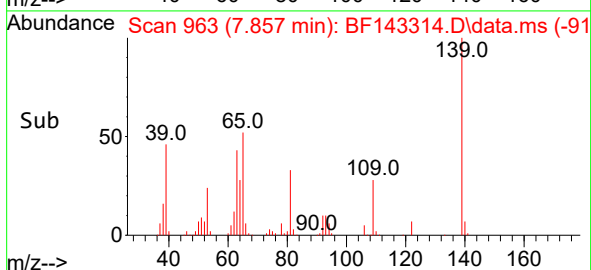
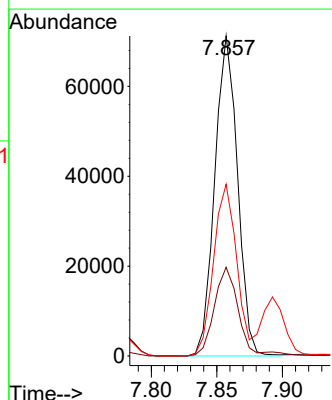
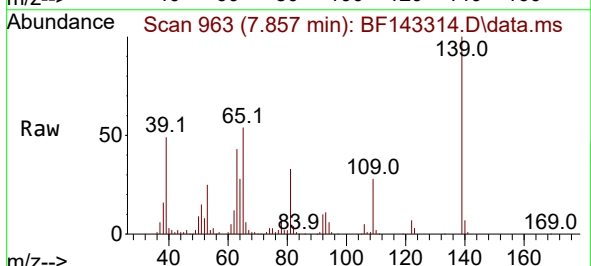


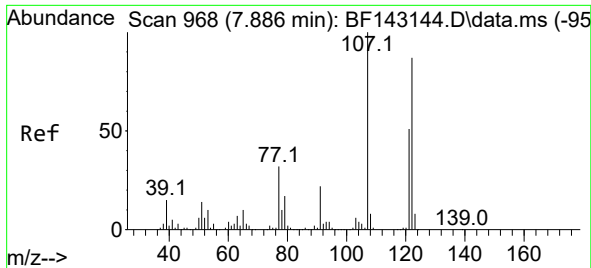
Supervised By :Jagrut
Upadhyay
08/06/2025



#26
2-Nitrophenol
Concen: 23.623 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

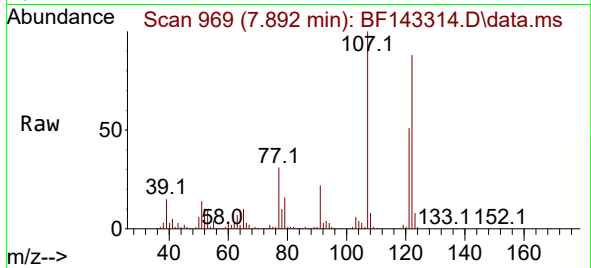
Tgt Ion:139 Resp: 85862
Ion Ratio Lower Upper
139 100
109 27.7 23.6 35.4
65 53.7 42.6 64.0





#27
2,4-Dimethylphenol
Concen: 20.672 ng m
RT: 7.892 min Scan# 968
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

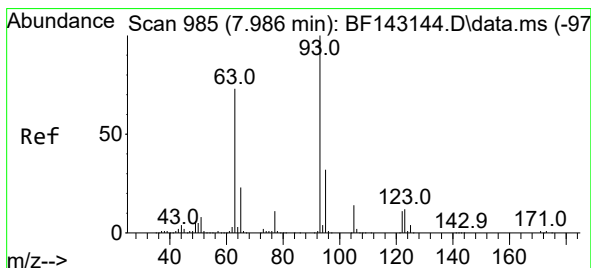
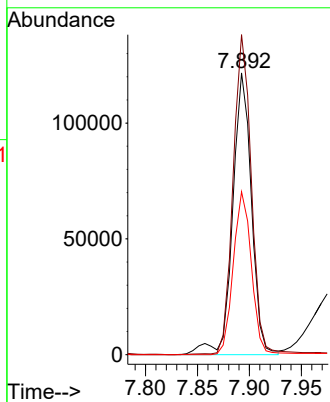
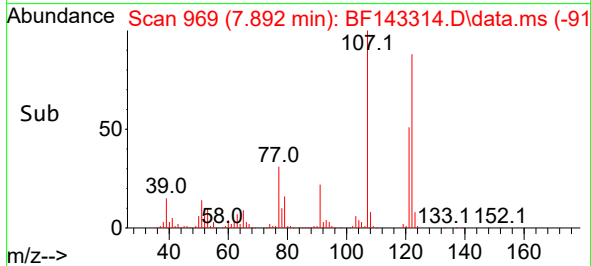


Tgt Ion:122 Resp: 15315
Ion Ratio Lower Upper
122 100
107 113.5 91.8 137.6
121 57.8 46.3 69.5

Manual Integrations
APPROVED

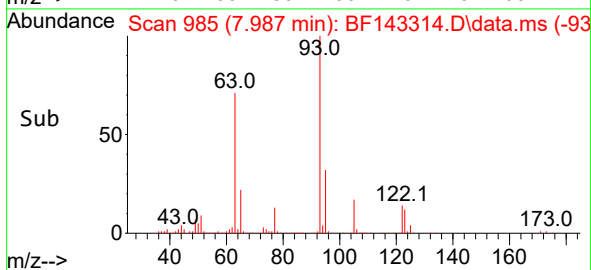
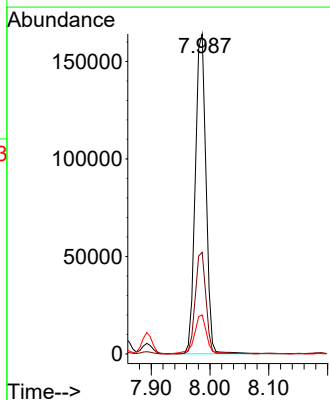
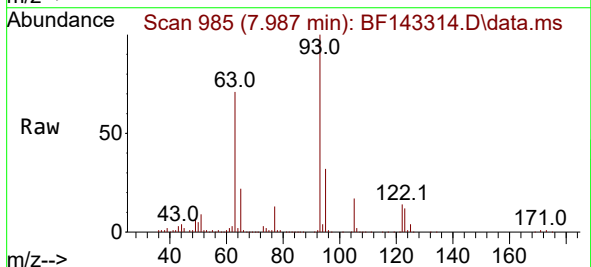
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

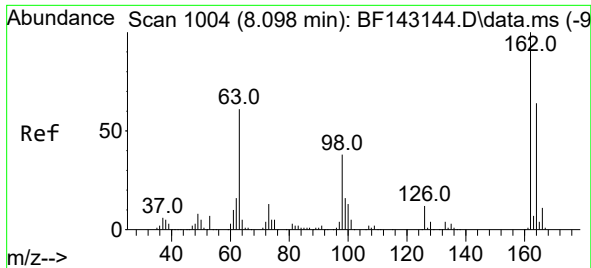
Supervised By :Jagrut
Upadhyay
08/06/2025



#28
bis(2-Chloroethoxy)methane
Concen: 21.800 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

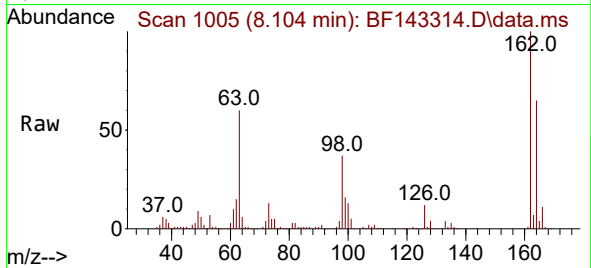
Tgt Ion: 93 Resp: 207274
Ion Ratio Lower Upper
93 100
95 31.7 25.8 38.6
123 12.2 9.7 14.5





#29
2,4-Dichlorophenol
Concen: 20.362 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

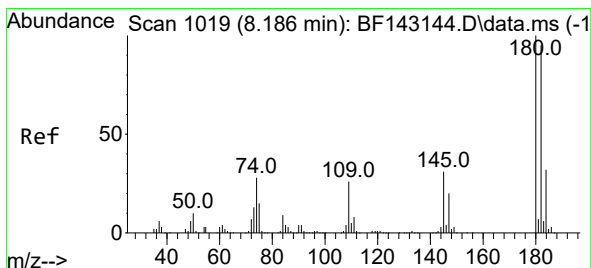
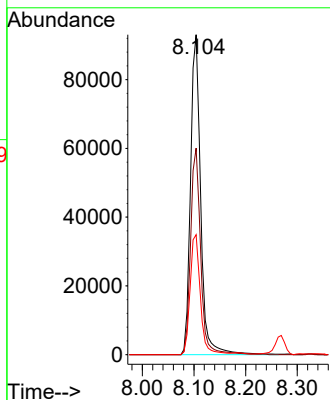
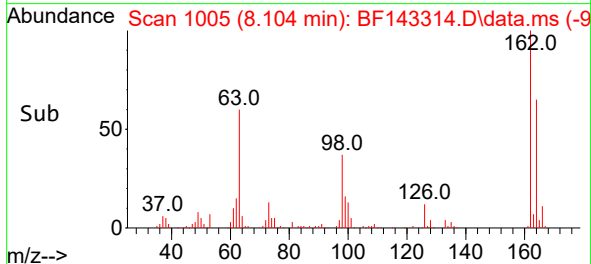


Tgt Ion:162 Resp: 12722
Ion Ratio Lower Upper
162 100
164 64.6 44.2 84.2
98 37.5 17.9 57.9

Manual Integrations
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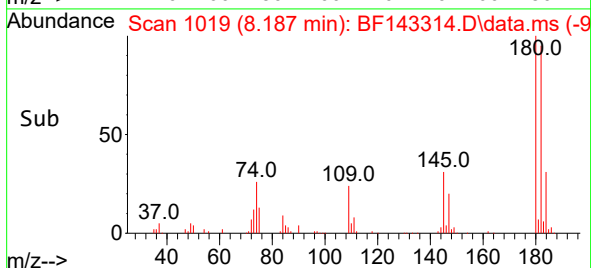
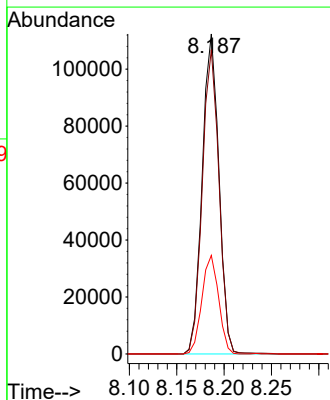
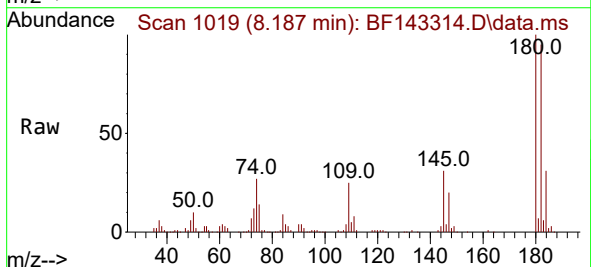
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

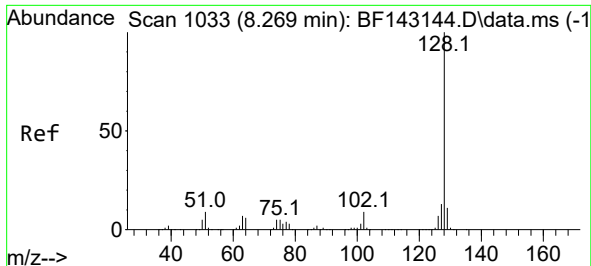
Supervised By :Jagrut
Upadhyay
08/06/2025



#30
1,2,4-Trichlorobenzene
Concen: 20.440 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

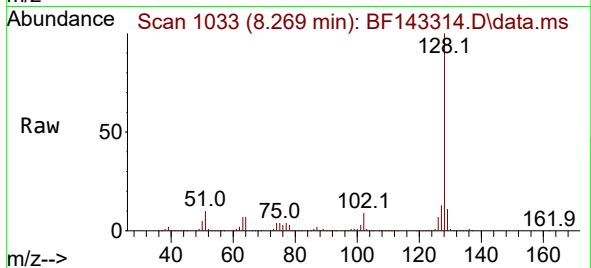
Tgt Ion:180 Resp: 137977
Ion Ratio Lower Upper
180 100
182 95.1 76.2 114.2
145 30.8 25.0 37.6





#31
Naphthalene
Concen: 20.989 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

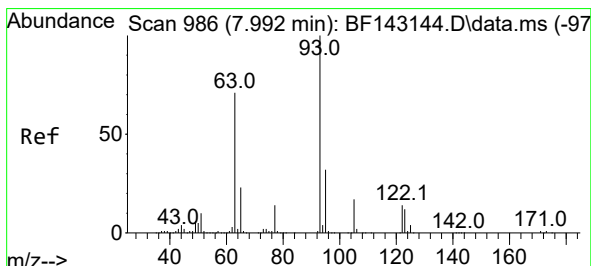
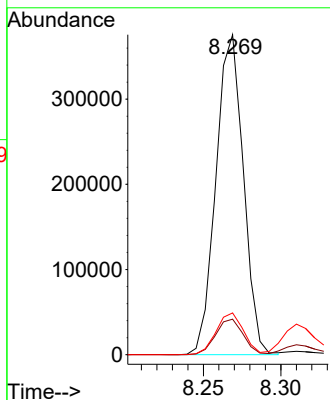
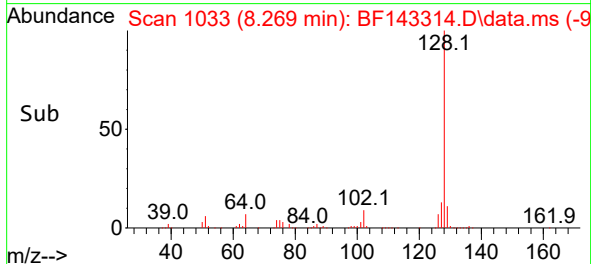


Tgt Ion:128 Resp: 462850
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.1 10.6 16.0

Manual Integrations
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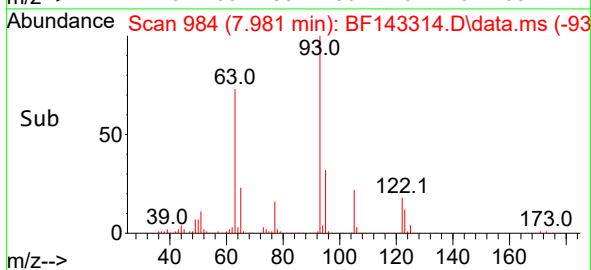
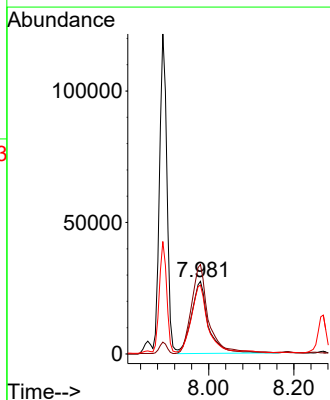
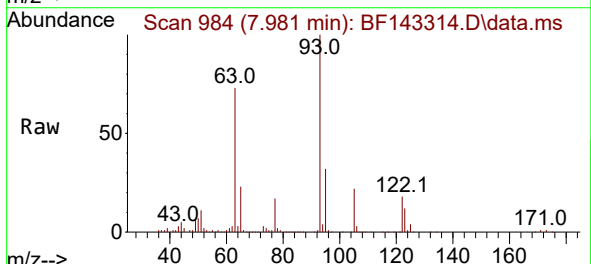
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

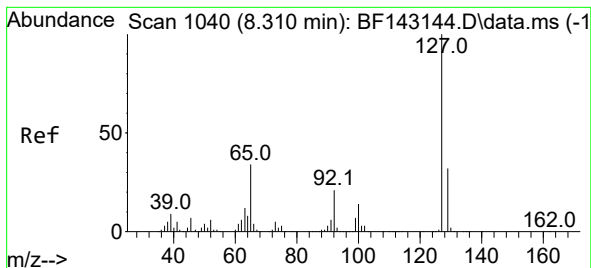
Supervised By :Jagrut
Upadhyay
08/06/2025



#32
Benzoic acid
Concen: 21.260 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.011 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:122 Resp: 75233
Ion Ratio Lower Upper
122 100
105 123.3 104.8 144.8
77 94.9 77.6 117.6





#33
4-Chloroaniline
Concen: 6.480 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :

BNA_F

ClientSampleId :

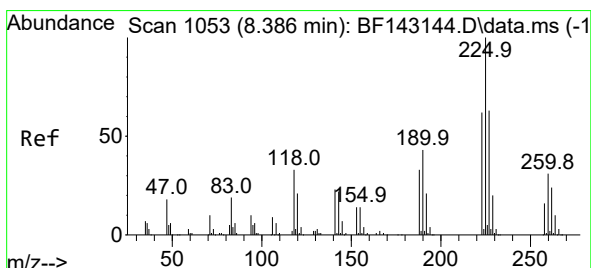
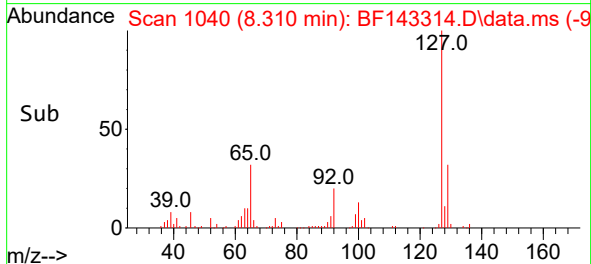
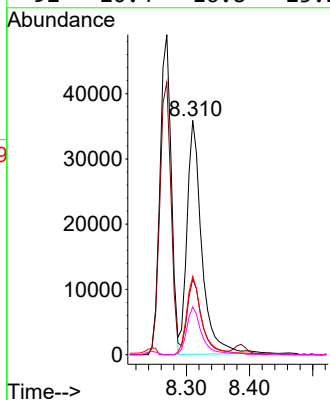
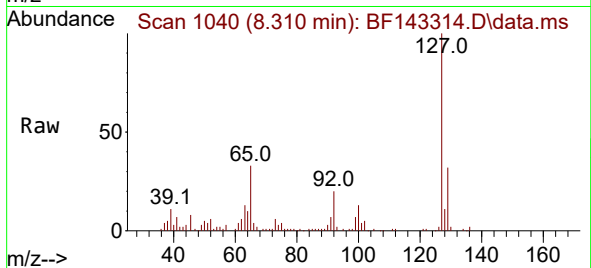
VNJ-253MSD

Tgt Ion:127 Resp: 58350
Ion Ratio Lower Upper
127 100
129 32.3 26.0 39.0
65 33.4 27.4 41.2
92 20.4 16.8 25.2

Manual Integrations
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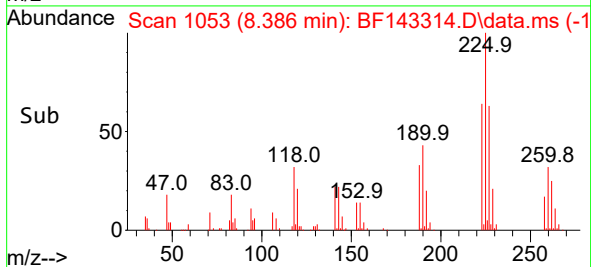
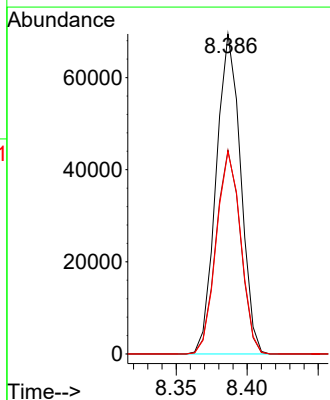
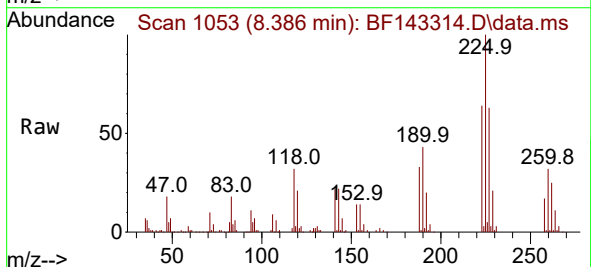
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

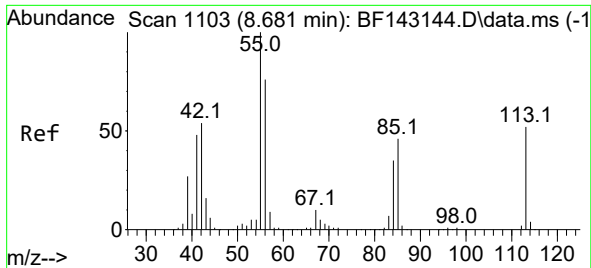
Supervised By :Jagrut
Upadhyay
08/06/2025



#34
Hexachlorobutadiene
Concen: 20.166 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

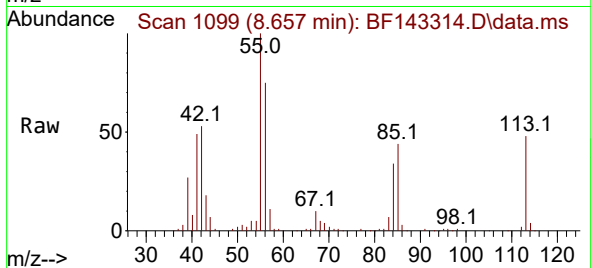
Tgt Ion:225 Resp: 83154
Ion Ratio Lower Upper
225 100
223 63.6 49.8 74.6
227 63.2 50.2 75.4





#35
Caprolactam
Concen: 21.558 ng
RT: 8.657 min Scan# 1103
Delta R.T. -0.023 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

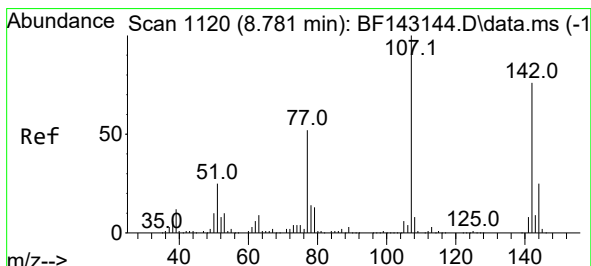
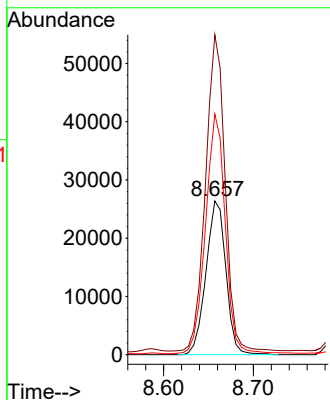
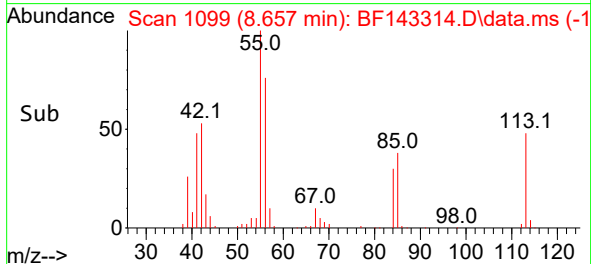


Tgt Ion:113 Resp: 40704
Ion Ratio Lower Upper
113 100
55 208.2 174.0 214.0
56 156.4 126.6 166.6

Manual Integrations
APPROVED

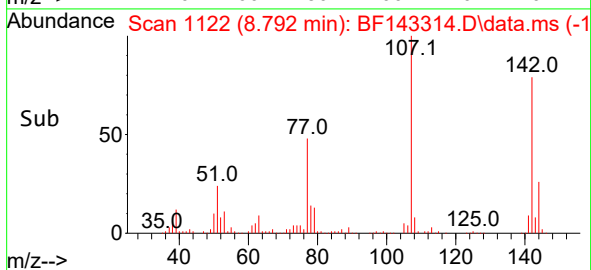
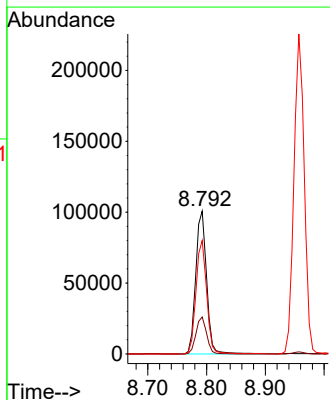
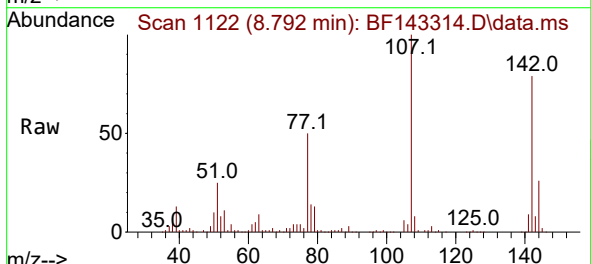
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

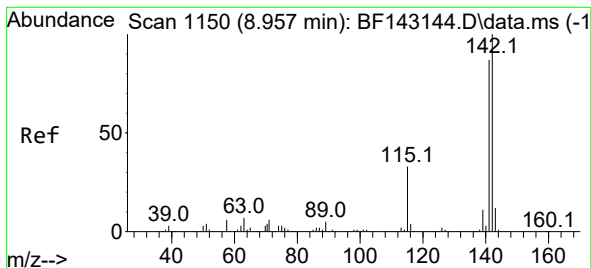
Supervised By :Jagrut
Upadhyay
08/06/2025



#36
4-Chloro-3-methylphenol
Concen: 19.116 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

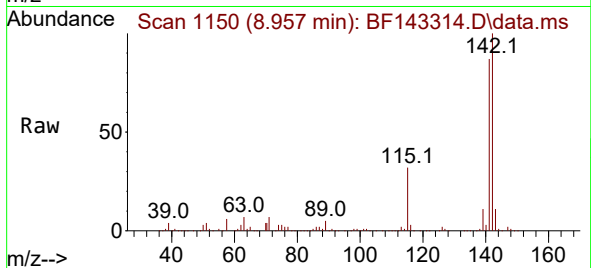
Tgt Ion:107 Resp: 129818
Ion Ratio Lower Upper
107 100
144 25.9 19.8 29.6
142 79.4 60.6 90.8





#37
2-Methylnaphthalene
Concen: 20.506 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

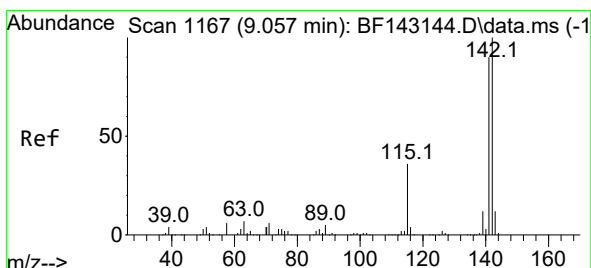
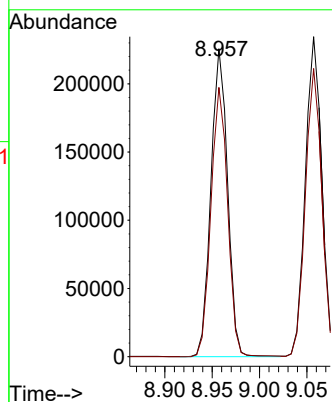


Tgt Ion:142 Resp: 275169
Ion Ratio Lower Upper
142 100
141 87.4 69.9 104.9

Manual Integrations
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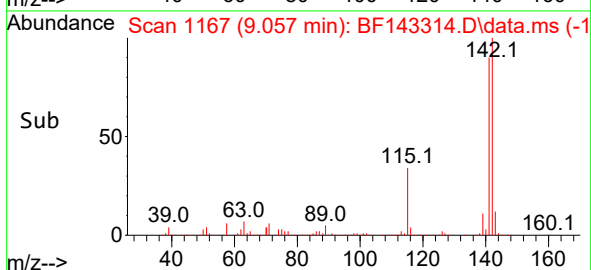
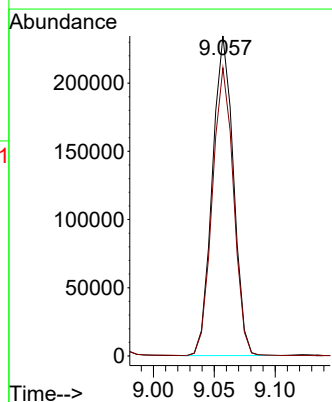
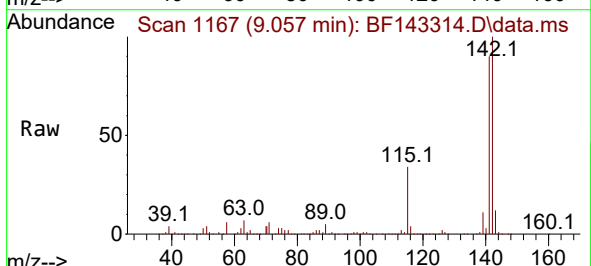
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

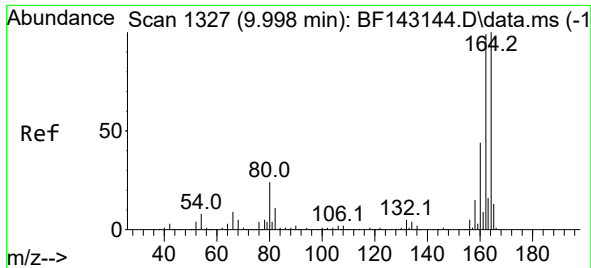
Supervised By :Jagrut
Upadhyay
08/06/2025



#38
1-Methylnaphthalene
Concen: 20.377 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

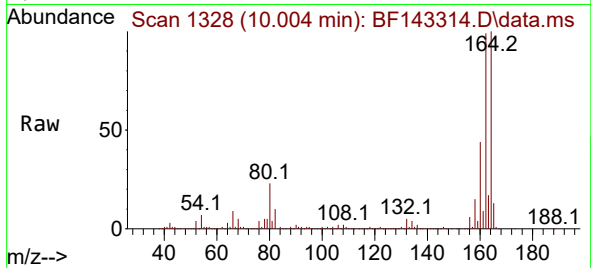
Tgt Ion:142 Resp: 281572
Ion Ratio Lower Upper
142 100
141 90.0 72.3 108.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

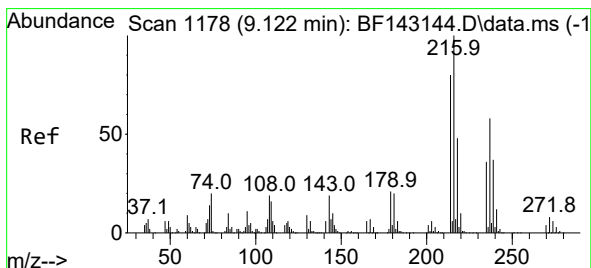
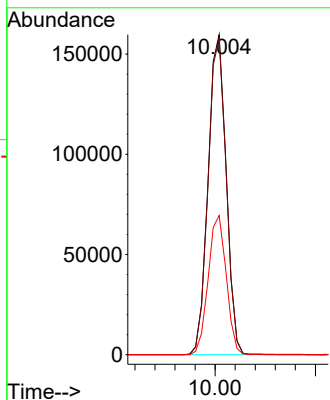
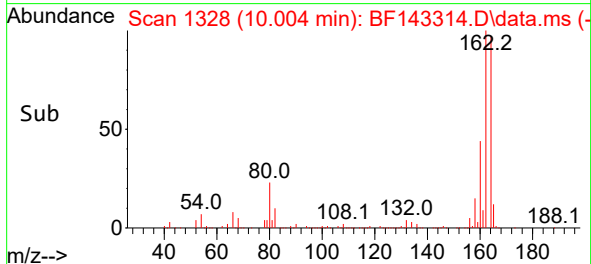


Tgt Ion:164 Resp: 20020
Ion Ratio Lower Upper
164 100
162 98.8 79.0 118.6
160 43.5 35.1 52.7

Manual Integrations
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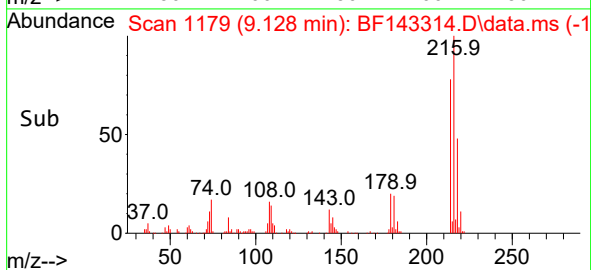
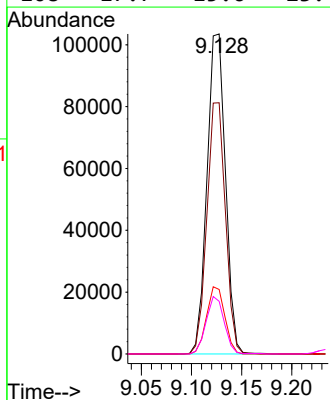
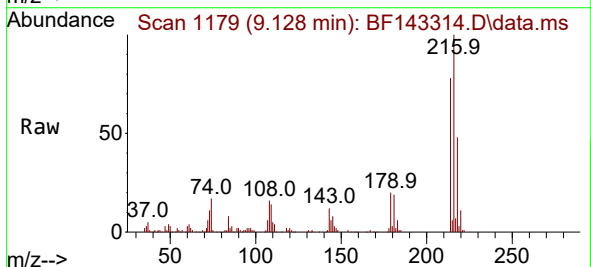
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

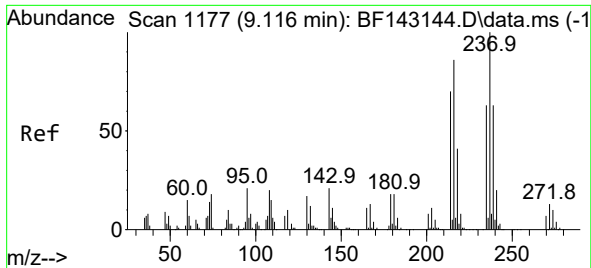
Supervised By :Jagrut
Upadhyay
08/06/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 23.003 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

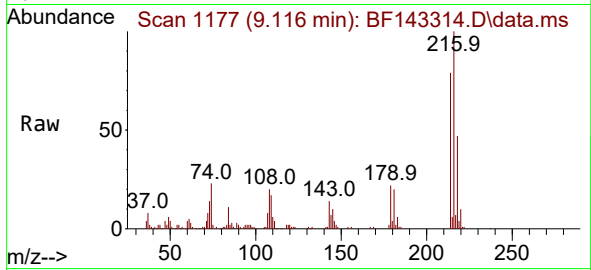
Tgt Ion:216 Resp: 132955
Ion Ratio Lower Upper
216 100
214 78.6 63.8 95.8
179 20.7 16.4 24.6
108 17.7 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 0.016 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

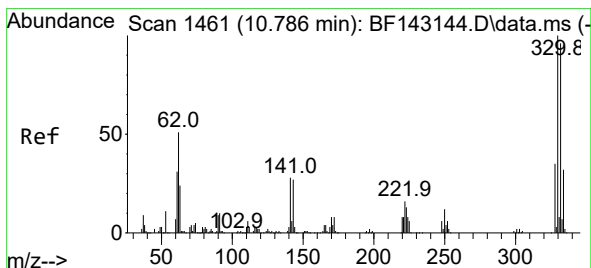
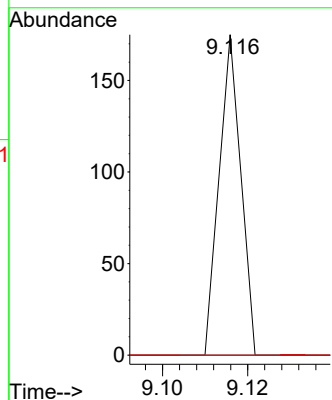


Tgt Ion: 237 Resp: 62
Ion Ratio Lower Upper
237 100
235 0.0 43.0 83.0
272 0.0 0.0 33.3

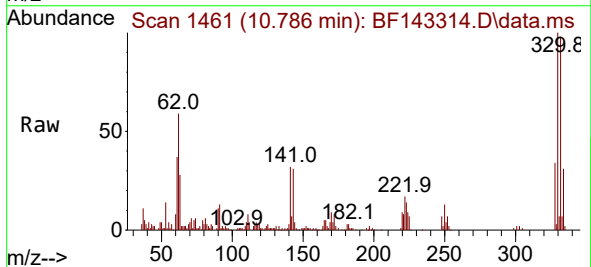
Manual Integrations
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Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

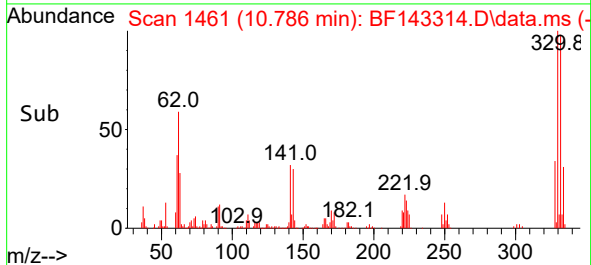
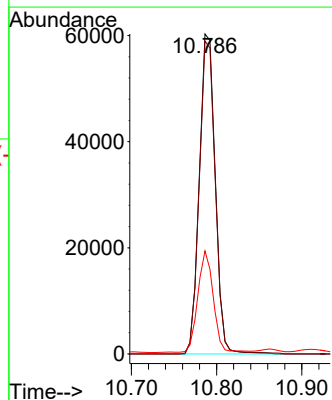
Supervised By :Jagrut
Upadhyay
08/06/2025

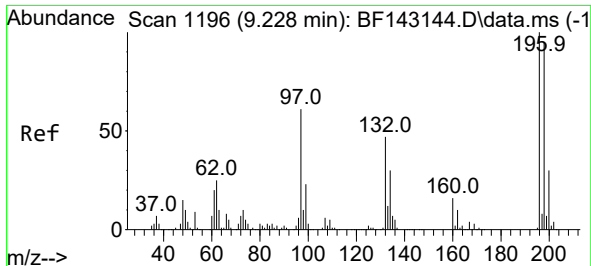


#42
2,4,6-Tribromophenol
Concen: 37.979 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28



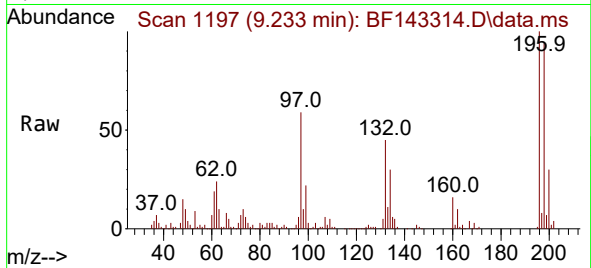
Tgt Ion: 330 Resp: 78547
Ion Ratio Lower Upper
330 100
332 97.8 76.7 115.1
141 30.8 23.3 34.9





#43
2,4,6-Trichlorophenol
Concen: 20.543 ng
RT: 9.233 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

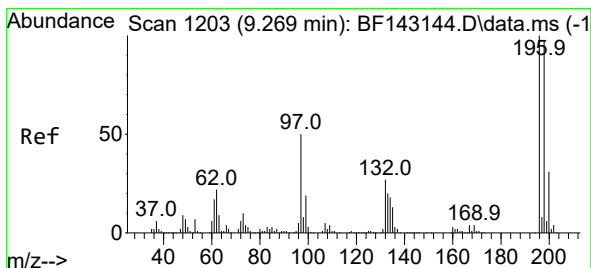
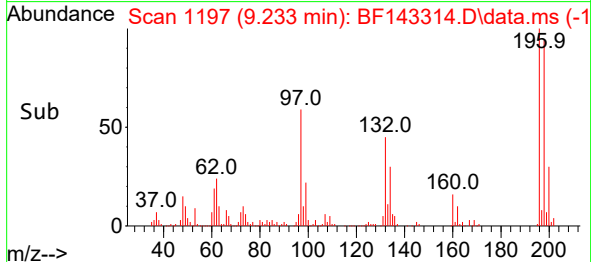
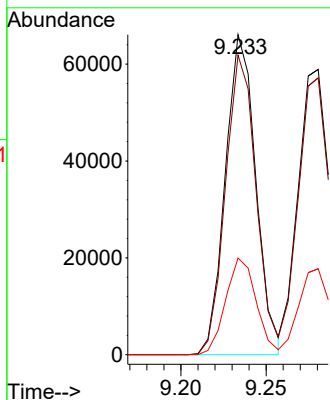


Tgt Ion:196 Resp: 82178
Ion Ratio Lower Upper
196 100
198 93.6 76.2 114.2
200 30.2 23.9 35.9

Manual Integrations
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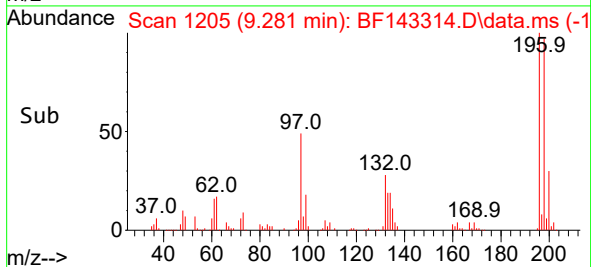
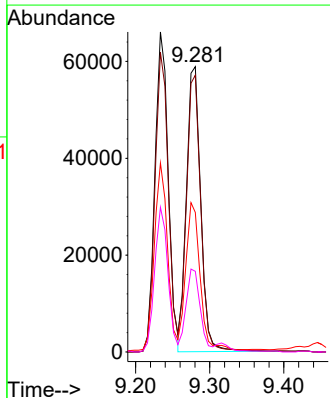
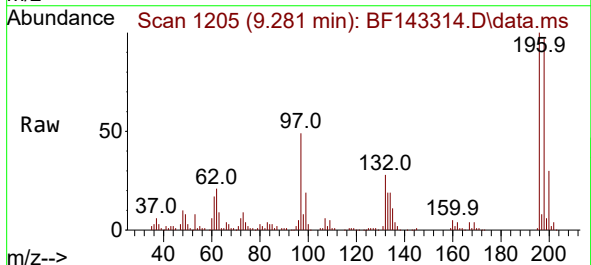
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

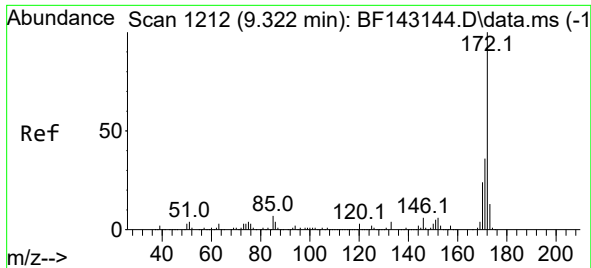
Supervised By :Jagrut
Upadhyay
08/06/2025



#44
2,4,5-Trichlorophenol
Concen: 19.780 ng
RT: 9.281 min Scan# 1205
Delta R.T. 0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

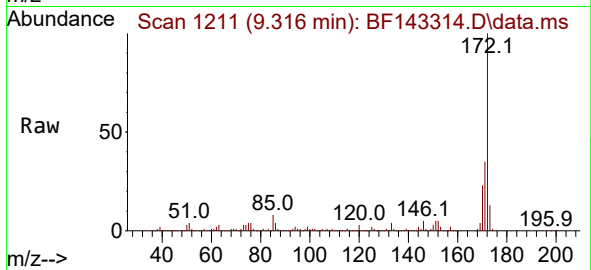
Tgt Ion:196 Resp: 79149
Ion Ratio Lower Upper
196 100
198 97.0 77.3 115.9
97 48.9 40.3 60.5
132 28.3 23.1 34.7





#45
2-Fluorobiphenyl
Concen: 32.232 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

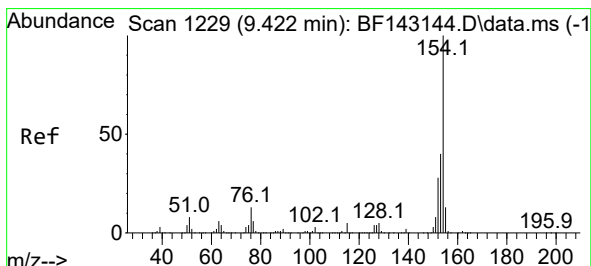
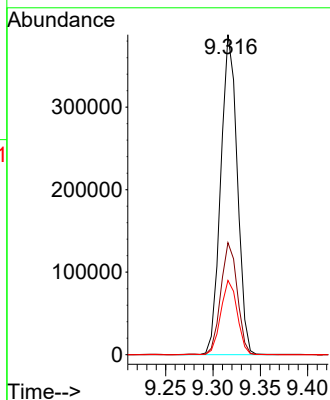
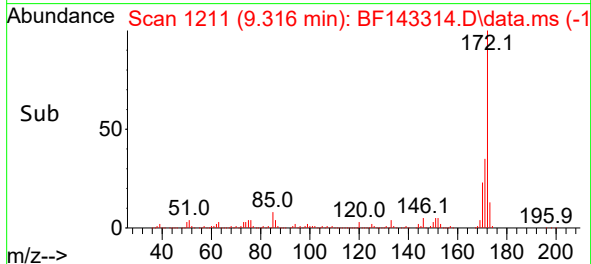


Tgt Ion:172 Resp: 471839
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.2 18.8 28.2

Manual Integrations
APPROVED

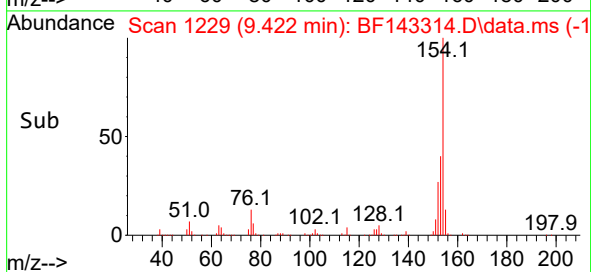
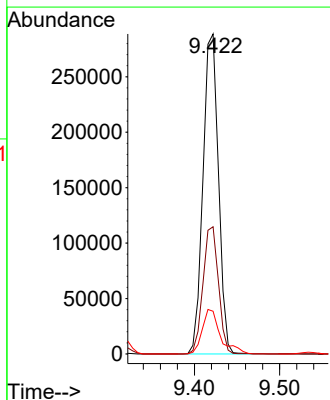
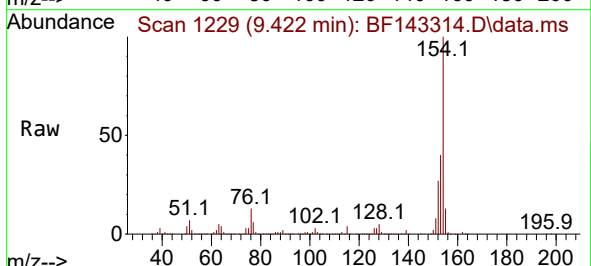
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

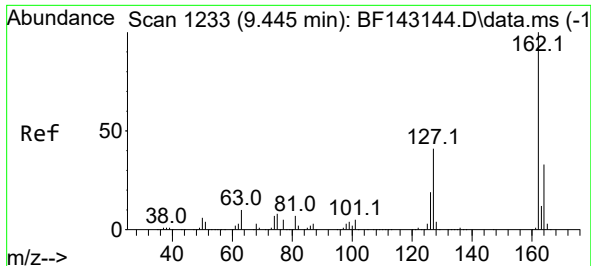
Supervised By :Jagrut
Upadhyay
08/06/2025



#46
1,1'-Biphenyl
Concen: 23.288 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:154 Resp: 363752
Ion Ratio Lower Upper
154 100
153 39.7 20.3 60.3
76 13.4 0.0 33.3





#47

2-Chloronaphthalene

Concen: 21.762 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143314.D

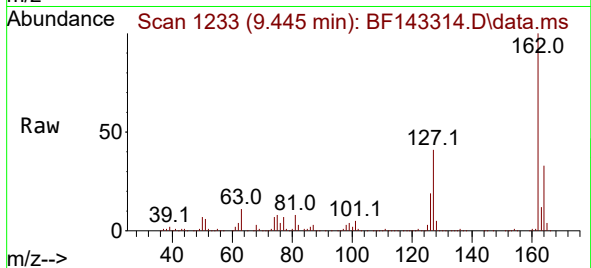
Acq: 05 Aug 2025 14:28

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD



Tgt Ion: 162 Resp: 251508

Ion Ratio Lower Upper

162 100

127 41.1 33.4 50.2

164 32.6 26.2 39.2

Manual Integrations

APPROVED

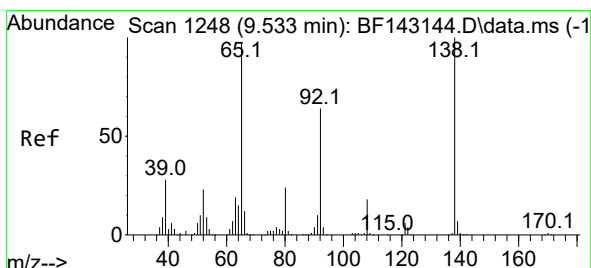
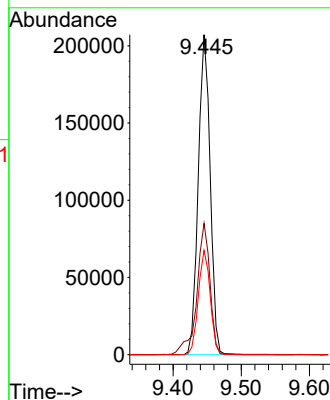
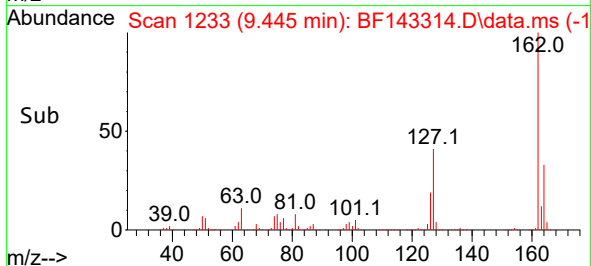
Reviewed By :Rahul Chavli 08/06/2025

Supervised By :Jagrut Upadhyay 08/06/2025

Supervised By :Jagrut

Upadhyay

08/06/2025



#48

2-Nitroaniline

Concen: 23.258 ng

RT: 9.533 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143314.D

Acq: 05 Aug 2025 14:28

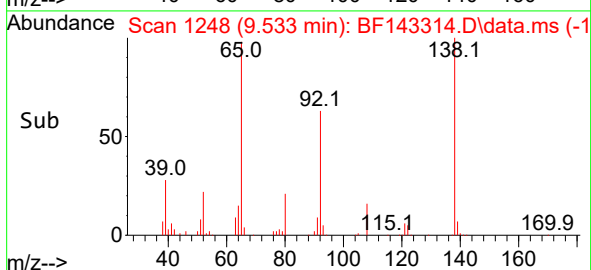
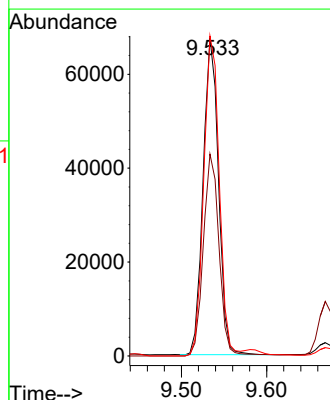
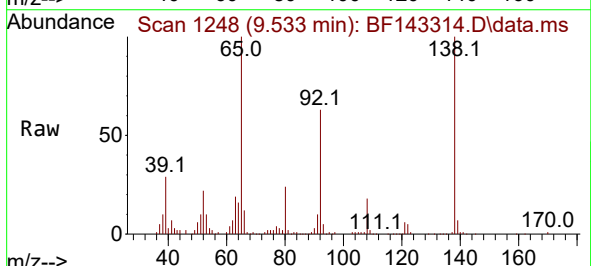
Tgt Ion: 65 Resp: 84294

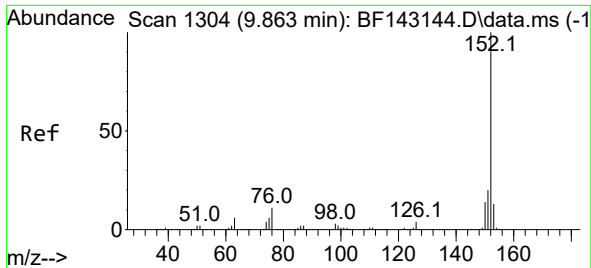
Ion Ratio Lower Upper

65 100

92 63.4 52.4 78.6

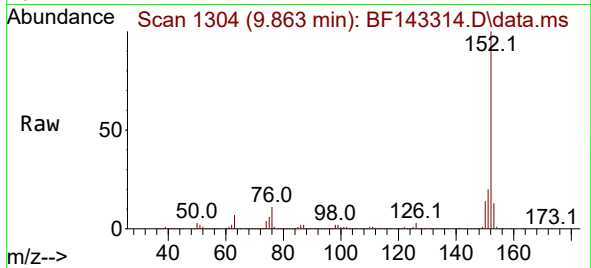
138 100.5 82.3 123.5





#49
Acenaphthylene
Concen: 21.259 ng
RT: 9.863 min Scan# 1304
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

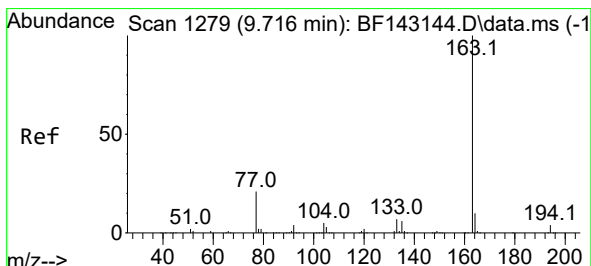
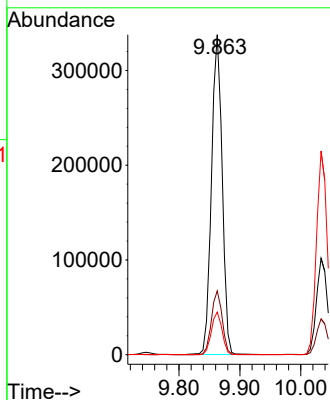
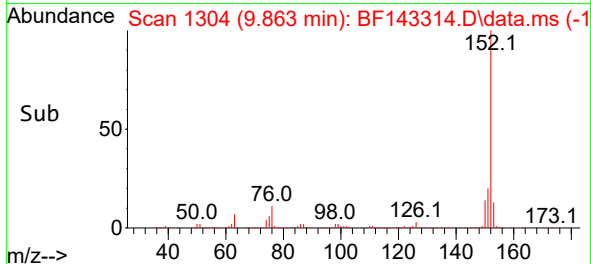


Tgt Ion:152 Resp: 41175
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 13.3 10.6 16.0

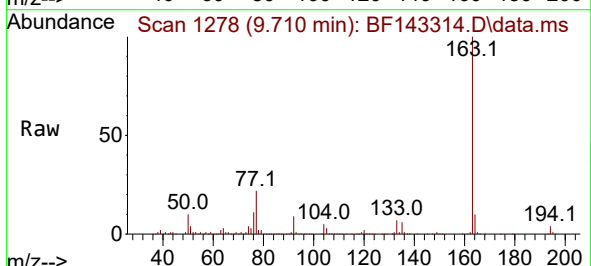
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

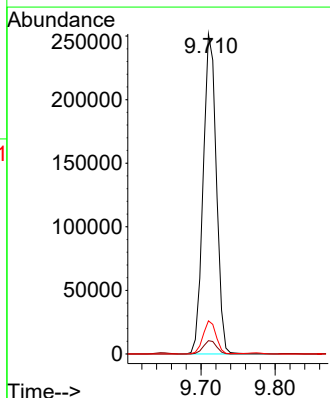
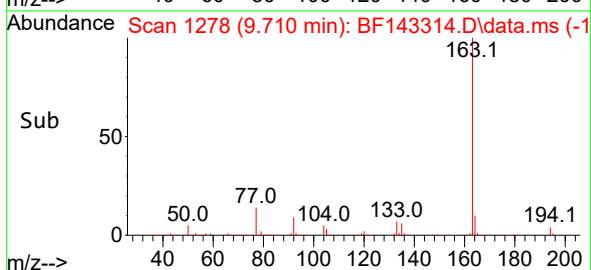
Supervised By :Jagrut
Upadhyay
08/06/2025

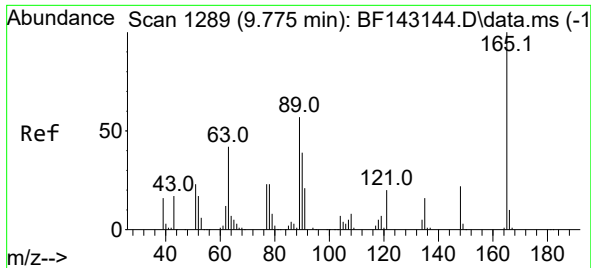


#50
Dimethylphthalate
Concen: 23.904 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28



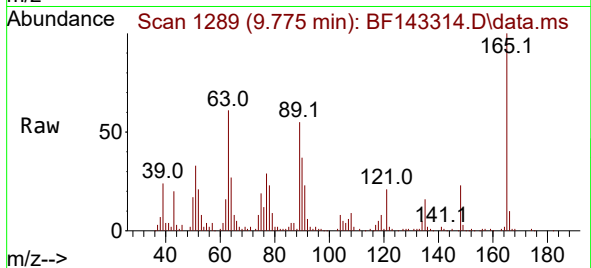
Tgt Ion:163 Resp: 311940
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.3 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 23.308 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

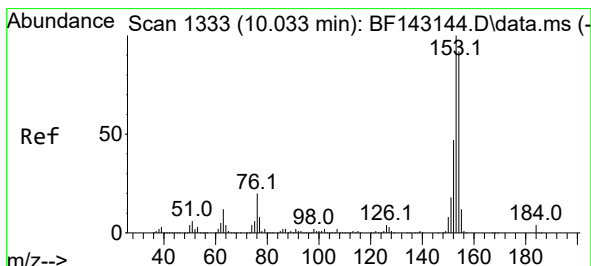
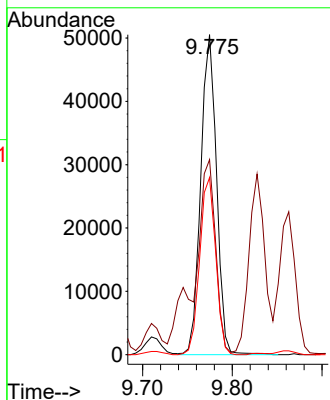
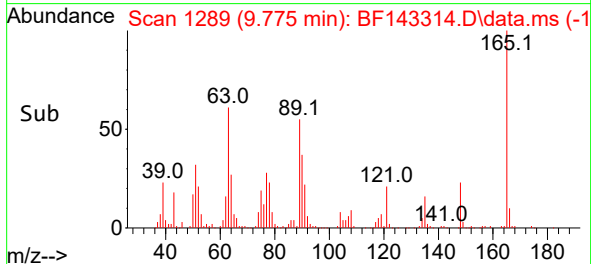


Tgt Ion:165 Resp: 61870
Ion Ratio Lower Upper
165 100
63 60.9 49.4 74.2
89 55.3 46.2 69.2

Manual Integrations
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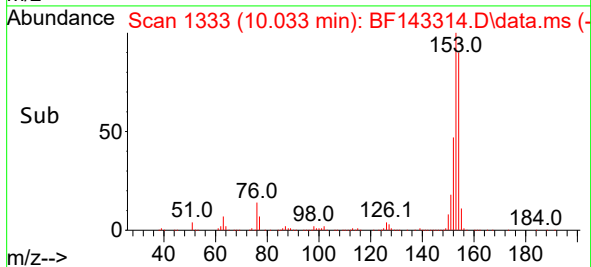
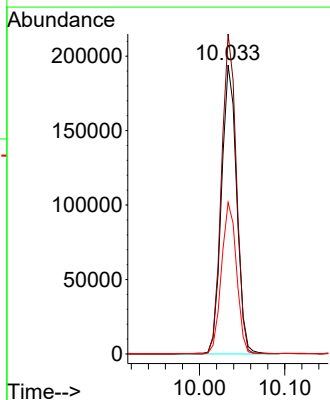
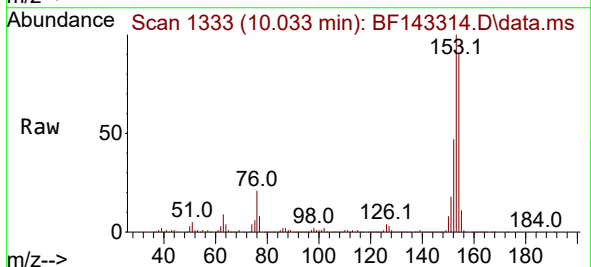
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

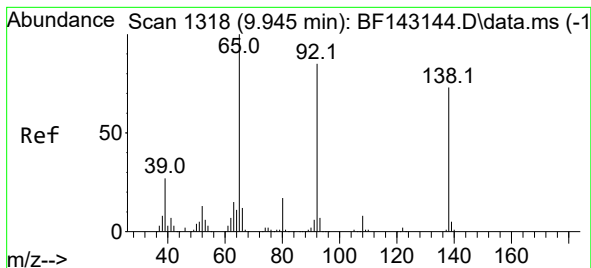
Supervised By :Jagrut
Upadhyay
08/06/2025



#52
Acenaphthene
Concen: 21.045 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:154 Resp: 240916
Ion Ratio Lower Upper
154 100
153 110.8 86.6 129.8
152 52.5 40.4 60.6





#53
3-Nitroaniline
Concen: 15.343 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

Tgt Ion:138 Resp: 4764
Ion Ratio Lower Upper
138 100
108 11.3 9.0 13.6
92 119.1 93.0 139.4

Manual Integrations

APPROVED

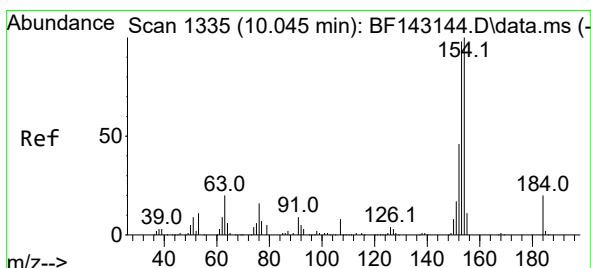
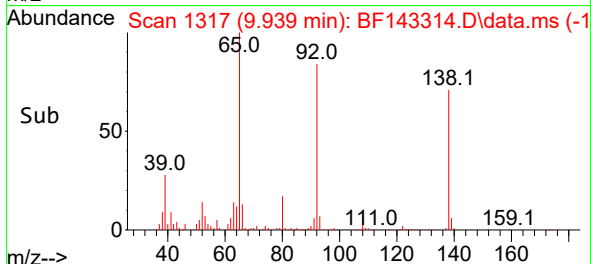
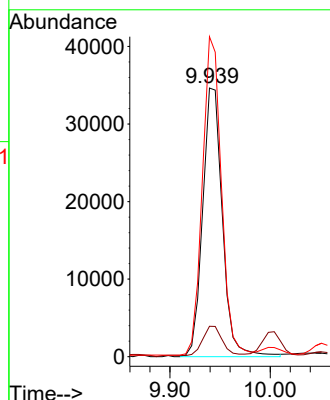
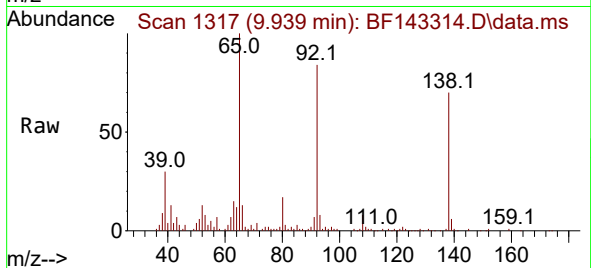
Reviewed By :Rahul Chavli 08/06/2025

Supervised By :Jagrut Upadhyay 08/06/2025

Supervised By :Jagrut

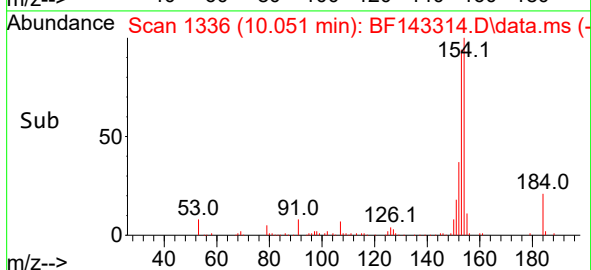
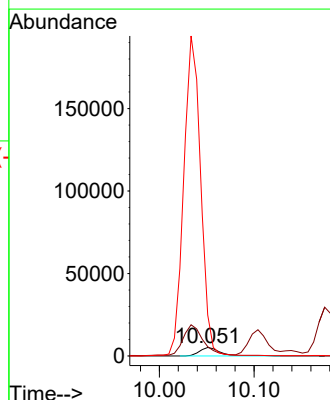
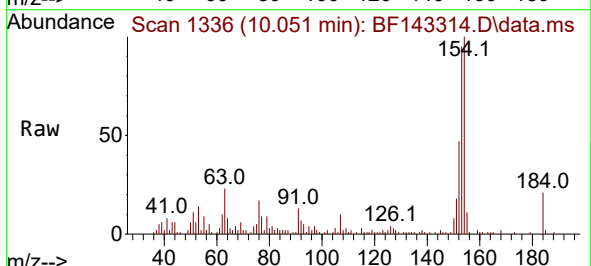
Upadhyay

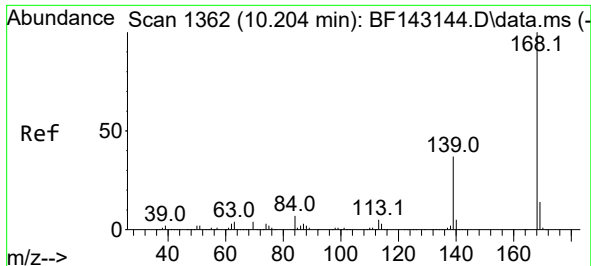
08/06/2025



#54
2,4-Dinitrophenol
Concen: 12.695 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

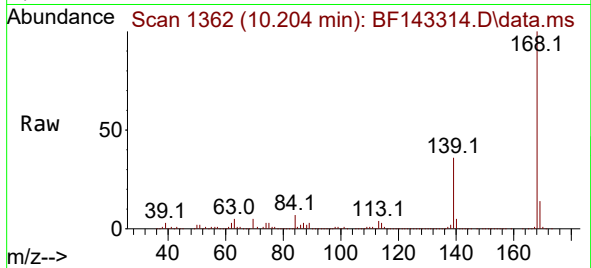
Tgt Ion:184 Resp: 7916
Ion Ratio Lower Upper
184 100
63 108.1 81.8 122.6
154 478.2 412.2 618.4





#55
Dibenzenofuran
Concen: 20.705 ng
RT: 10.204 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

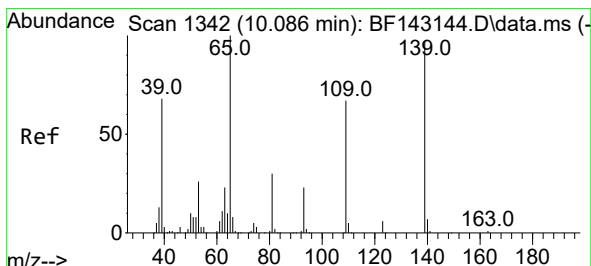
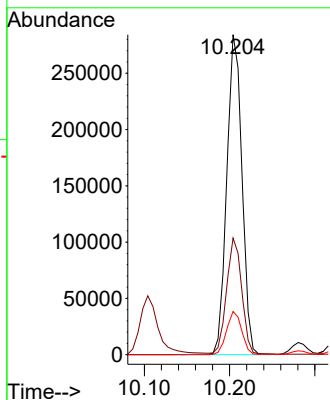
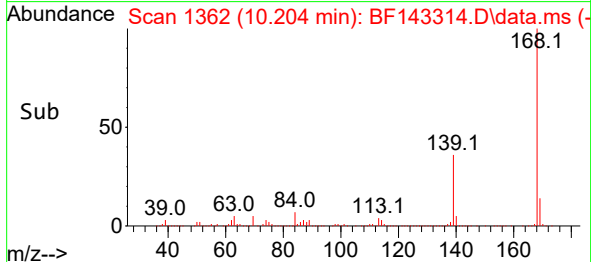


Tgt Ion:168 Resp: 351909
Ion Ratio Lower Upper
168 100
139 36.4 29.5 44.3
169 13.5 10.9 16.3

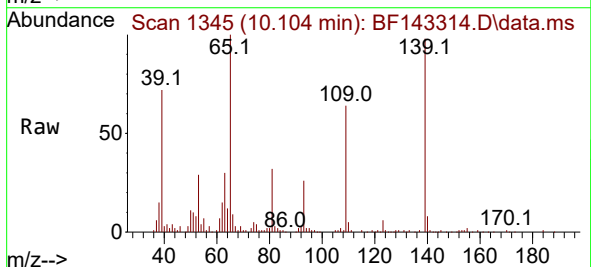
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

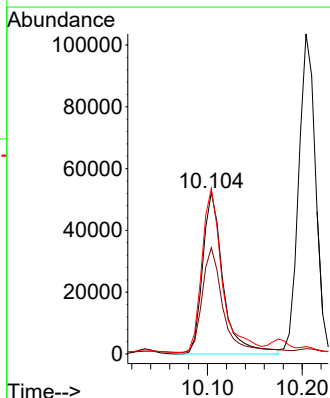
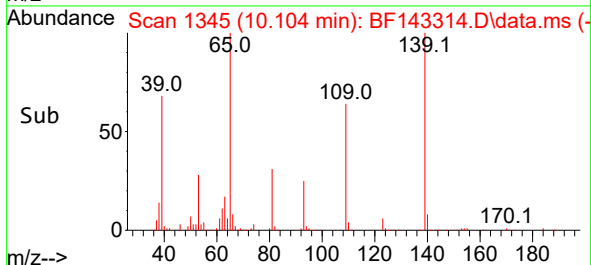
Supervised By :Jagrut
Upadhyay
08/06/2025

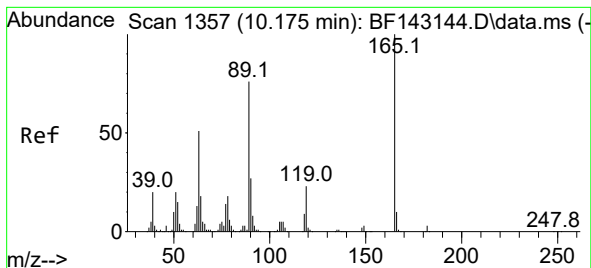


#56
4-Nitrophenol
Concen: 33.834 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28



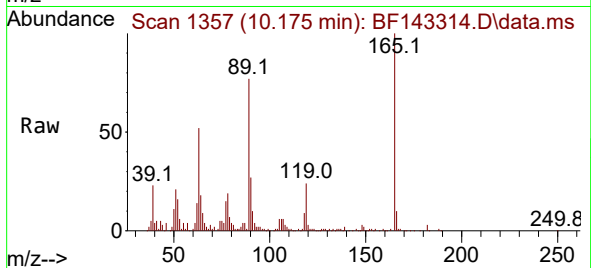
Tgt Ion:139 Resp: 78452
Ion Ratio Lower Upper
139 100
109 65.7 48.5 88.5
65 102.5 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 21.694 ng
RT: 10.175 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

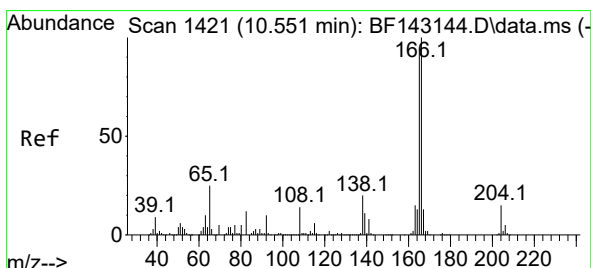
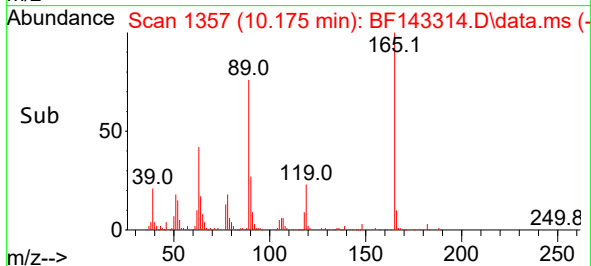
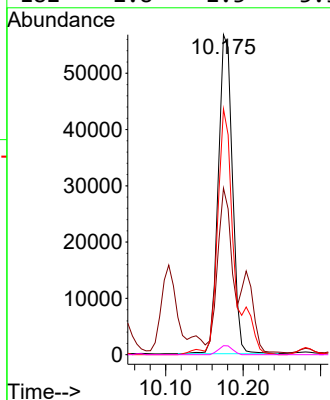


Tgt Ion:165 Resp: 7225
Ion Ratio Lower Upper
165 100
63 52.1 41.0 61.4
89 76.8 61.1 91.7
182 2.8 2.3 3.5

Manual Integrations
APPROVED

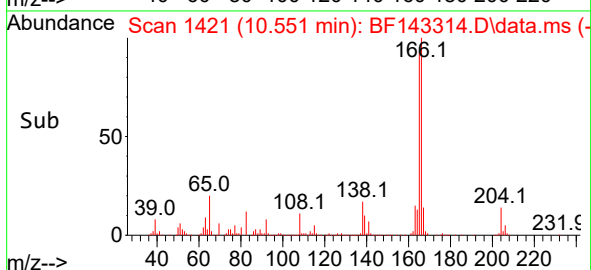
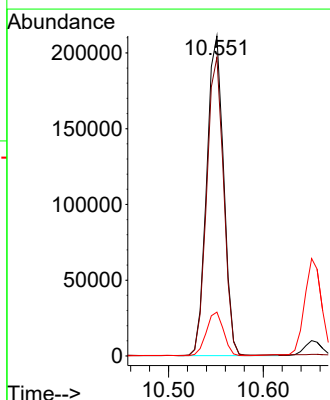
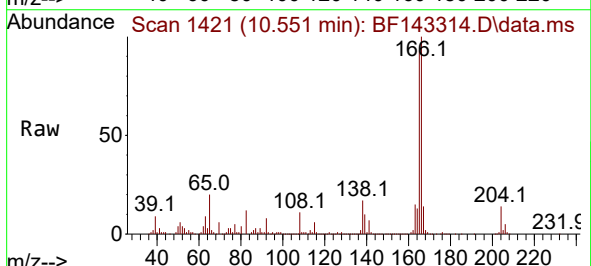
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

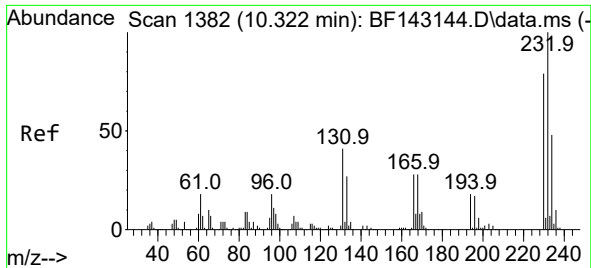
Supervised By :Jagrut
Upadhyay
08/06/2025



#58
Fluorene
Concen: 20.456 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

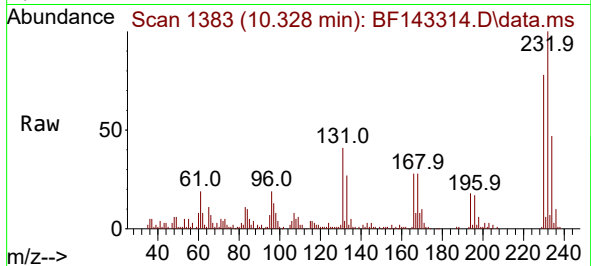
Tgt Ion:166 Resp: 260939
Ion Ratio Lower Upper
166 100
165 93.3 73.7 110.5
167 13.7 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 18.300 ng
RT: 10.328 min Scan# 1382
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

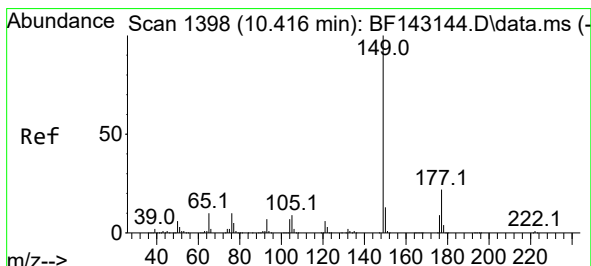
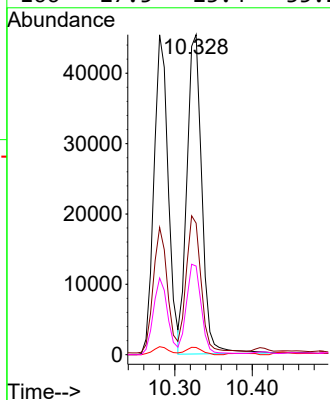
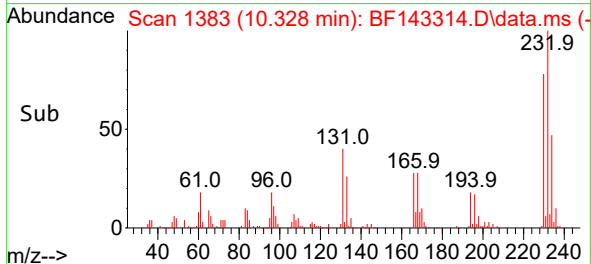


Tgt Ion:232 Resp: 6065
Ion Ratio Lower Upper
232 100
131 41.9 35.3 52.9
130 2.5 1.7 2.5
166 27.5 23.4 35.2

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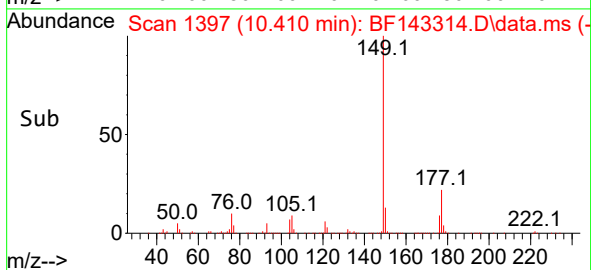
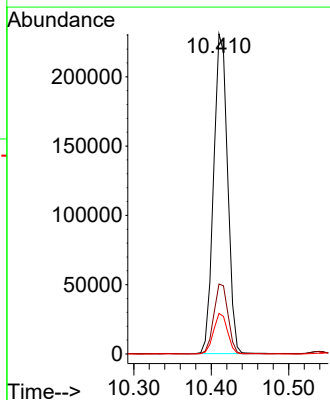
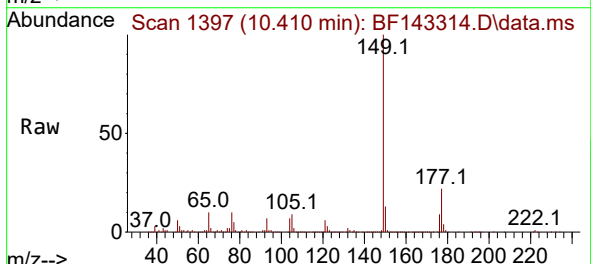
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

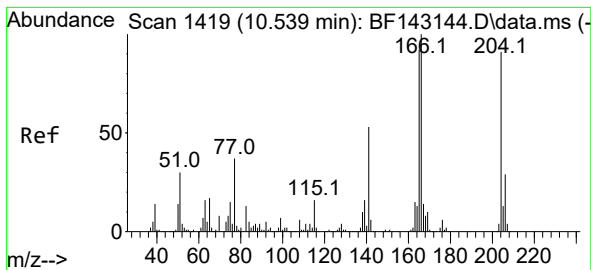
Supervised By :Jagrut
Upadhyay
08/06/2025



#60
Diethylphthalate
Concen: 22.388 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

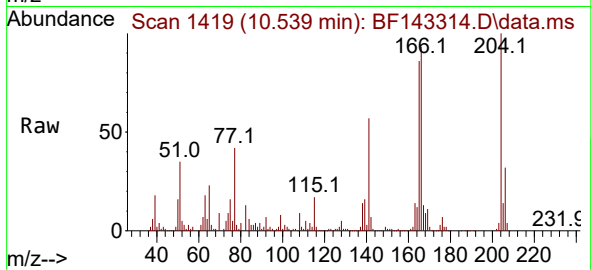
Tgt Ion:149 Resp: 288769
Ion Ratio Lower Upper
149 100
177 21.9 17.5 26.3
150 12.6 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 20.703 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

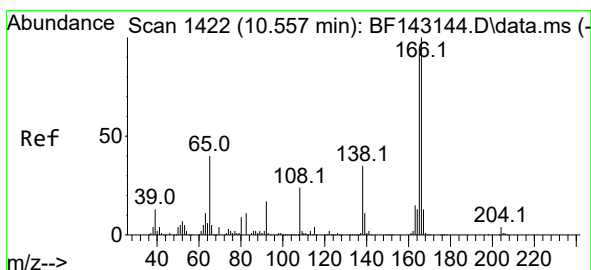
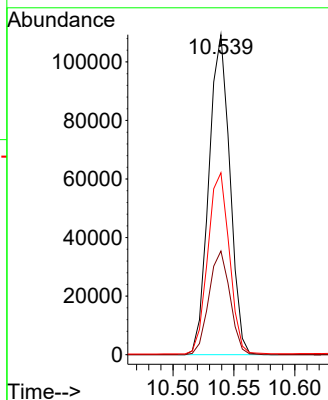
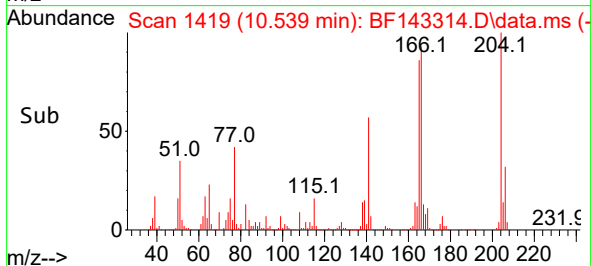


Tgt Ion:204 Resp: 13150
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.8
141 56.9 47.0 70.4

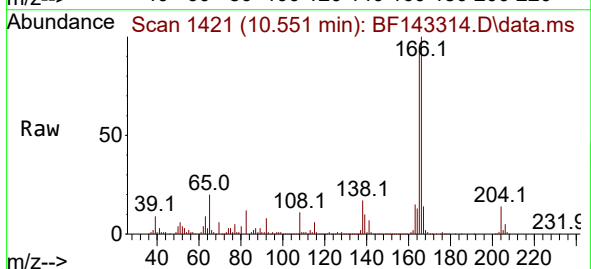
Manual Integrations
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Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

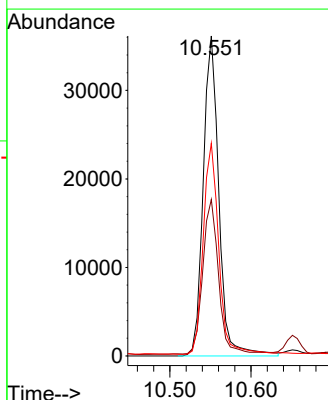
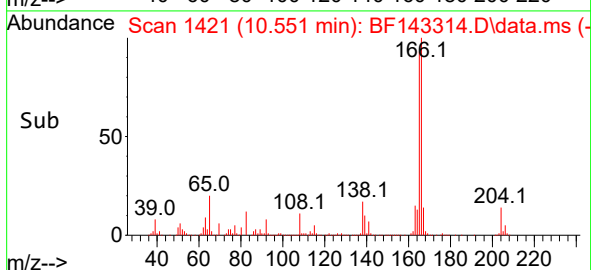
Supervised By :Jagrut
Upadhyay
08/06/2025

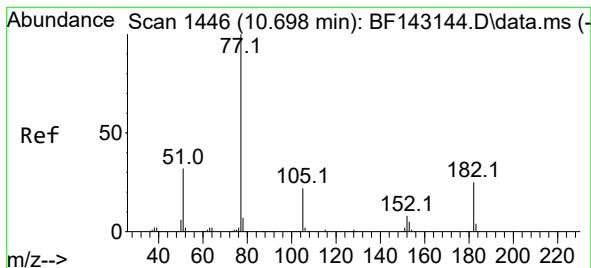


#62
4-Nitroaniline
Concen: 18.161 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28



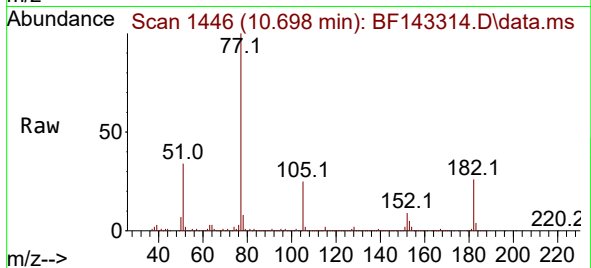
Tgt Ion:138 Resp: 48330
Ion Ratio Lower Upper
138 100
92 48.9 29.3 69.3
108 66.4 48.3 88.3





#63
Azobenzene
Concen: 20.585 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

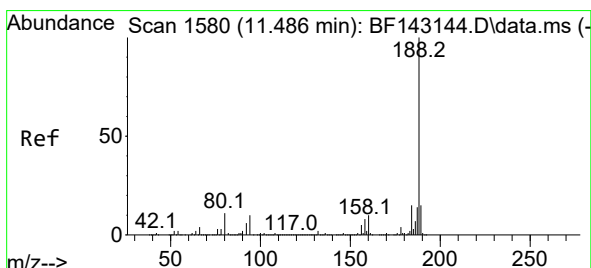
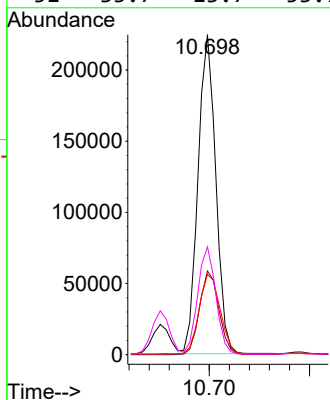
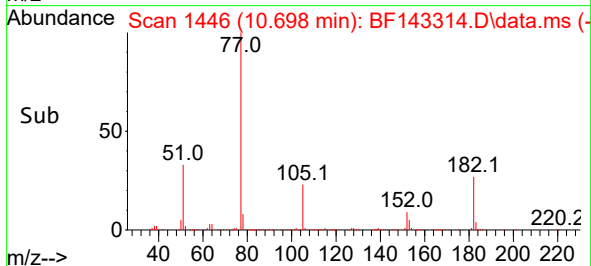


Tgt Ion: 77 Resp: 27671
Ion Ratio Lower Upper
77 100
182 26.1 4.6 44.6
105 25.1 1.4 41.4
51 33.7 13.7 53.7

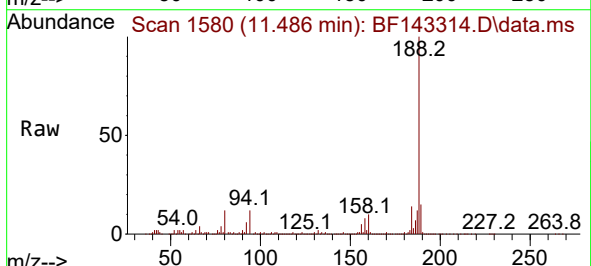
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

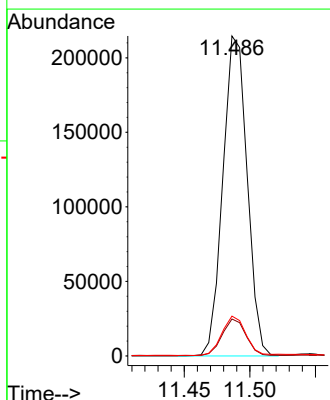
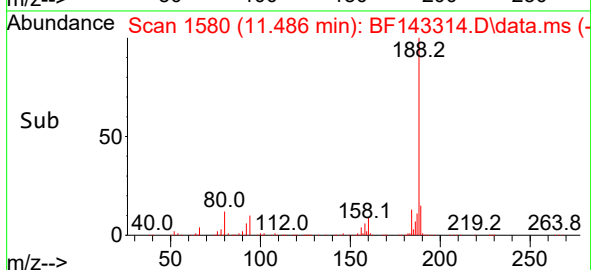
Supervised By :Jagrut
Upadhyay
08/06/2025

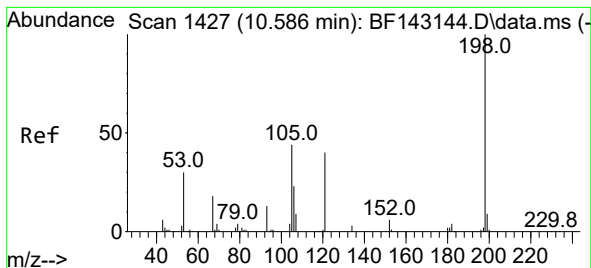


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28



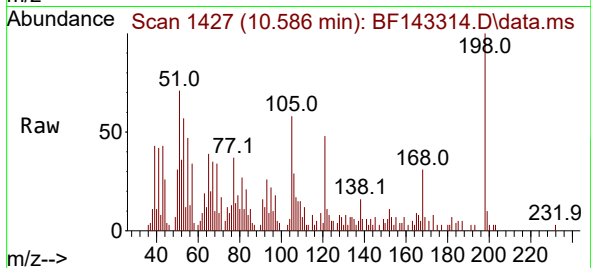
Tgt Ion:188 Resp: 276419
Ion Ratio Lower Upper
188 100
94 11.5 8.3 12.5
80 12.5 9.0 13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 9.992 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

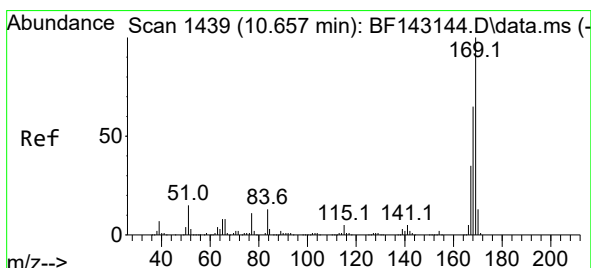
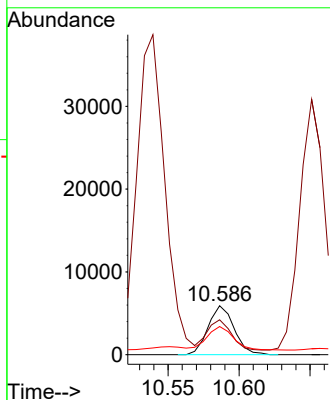
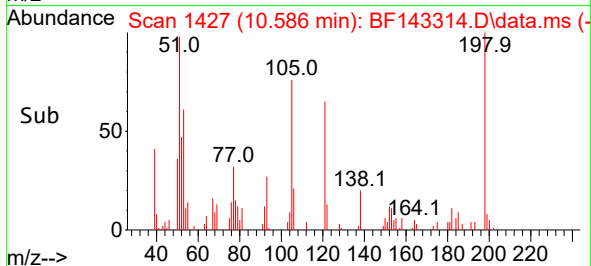


Tgt Ion:198 Resp: 7479
Ion Ratio Lower Upper
198 100
51 71.5 37.2 77.2
105 57.5 24.8 64.8

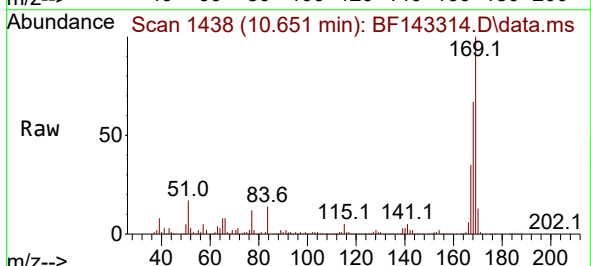
Manual Integrations
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Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

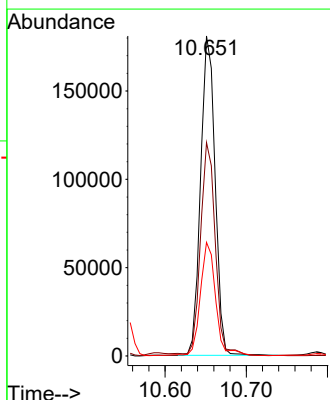
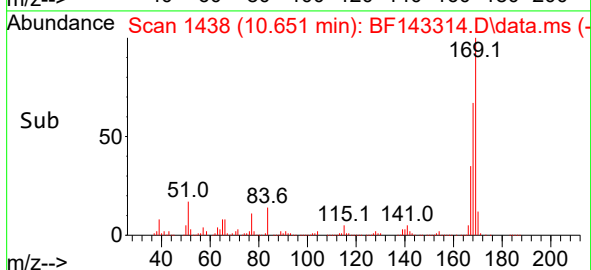
Supervised By :Jagrut
Upadhyay
08/06/2025

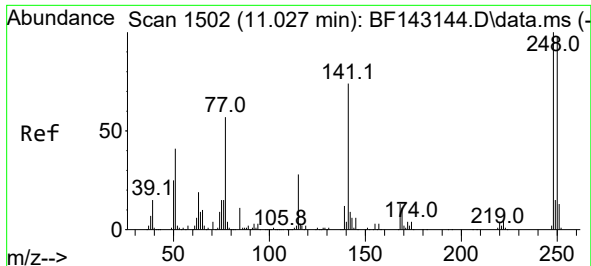


#66
n-Nitrosodiphenylamine
Concen: 23.016 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28



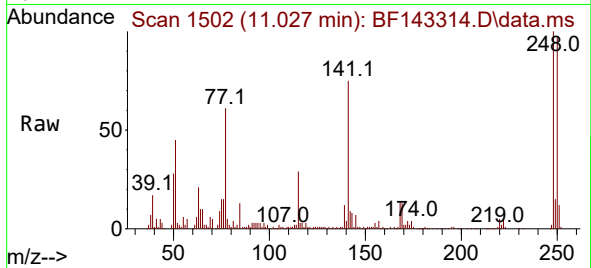
Tgt Ion:169 Resp: 224032
Ion Ratio Lower Upper
169 100
168 66.7 52.1 78.1
167 35.5 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 21.978 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

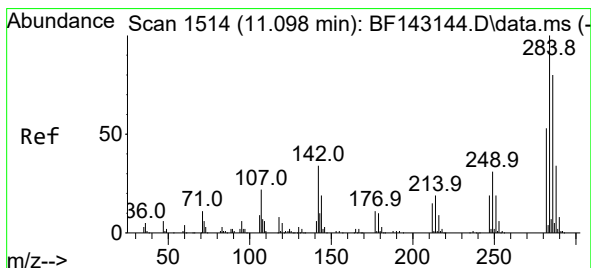
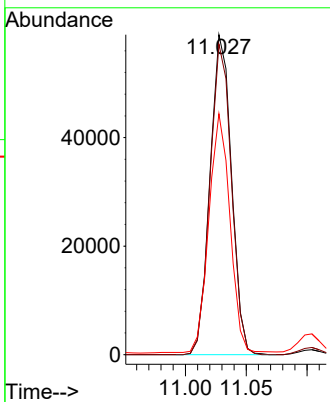
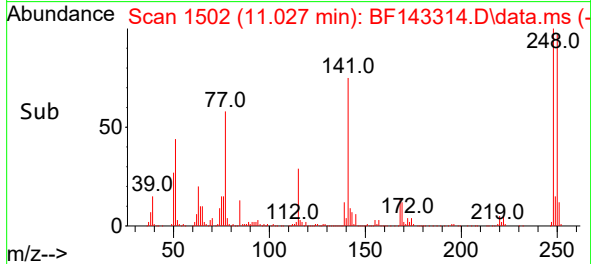


Tgt Ion:248 Resp: 72398
Ion Ratio Lower Upper
248 100
250 97.1 78.3 117.5
141 75.3 59.2 88.8

Manual Integrations
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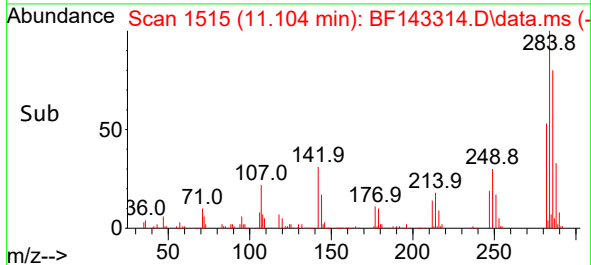
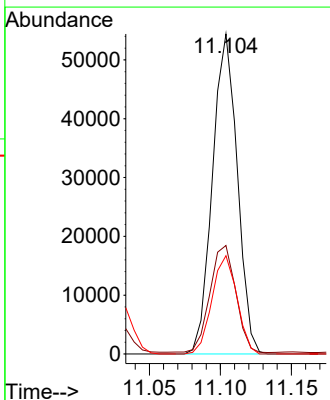
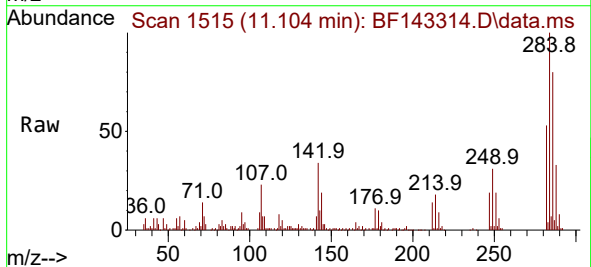
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

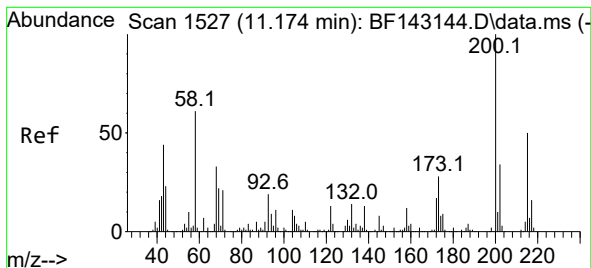
Supervised By :Jagrut
Upadhyay
08/06/2025



#68
Hexachlorobenzene
Concen: 19.171 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:284 Resp: 66007
Ion Ratio Lower Upper
284 100
142 33.9 27.0 40.6
249 30.7 25.0 37.6





#69

Atrazine

Concen: 23.908 ng

RT: 11.175 min Scan# 1527

Delta R.T. 0.000 min

Lab File: BF143314.D

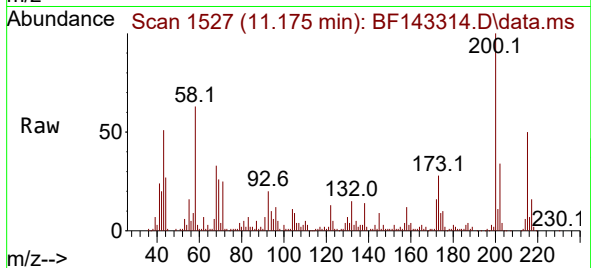
Acq: 05 Aug 2025 14:28

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD



Tgt Ion:200	Resp:	6415
Ion Ratio	Lower	Upper
200	100	
173	28.0	7.9 47.9
215	50.2	30.1 70.1

Manual Integrations

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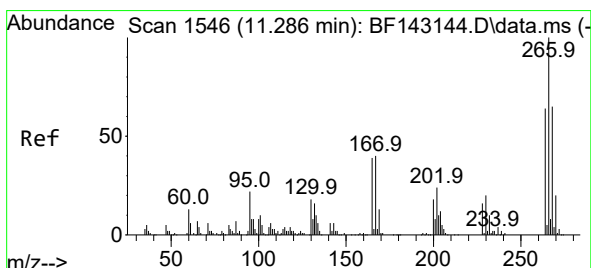
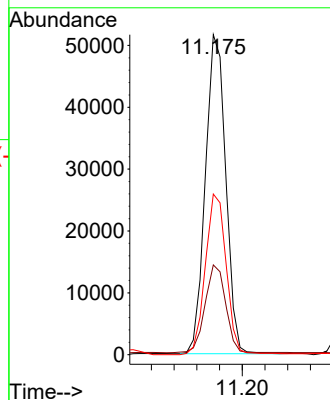
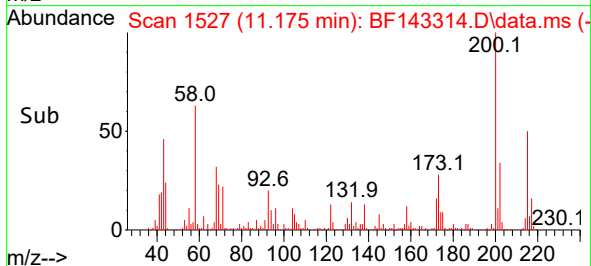
Reviewed By :Rahul Chavli 08/06/2025

Supervised By :Jagrut Upadhyay 08/06/2025

Supervised By :Jagrut

Upadhyay

08/06/2025



#70

Pentachlorophenol

Concen: 34.253 ng

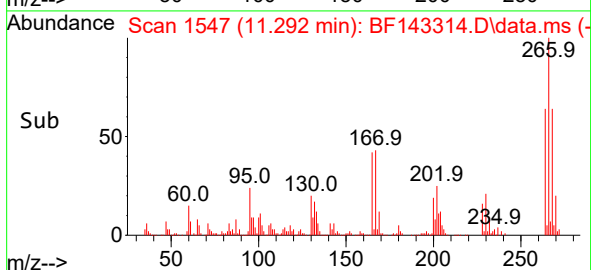
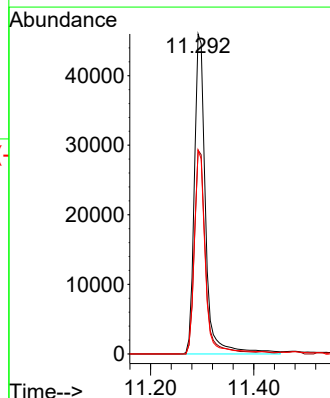
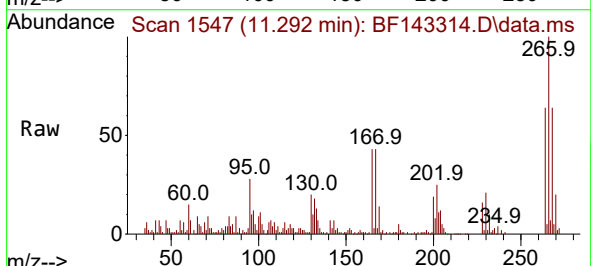
RT: 11.292 min Scan# 1547

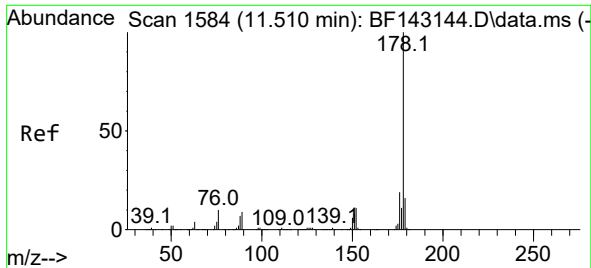
Delta R.T. 0.006 min

Lab File: BF143314.D

Acq: 05 Aug 2025 14:28

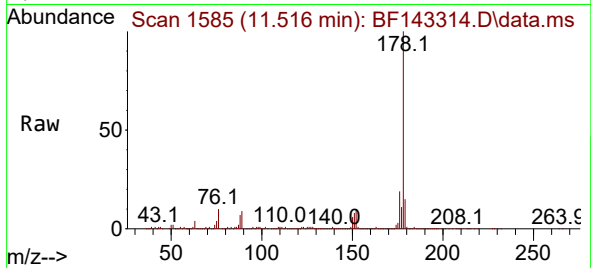
Tgt Ion:266	Resp:	69356
Ion Ratio	Lower	Upper
266	100	
268	63.7	51.9 77.9
264	63.7	51.0 76.6





#71
Phenanthrene
Concen: 29.004 ng
RT: 11.516 min Scan# 1584
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

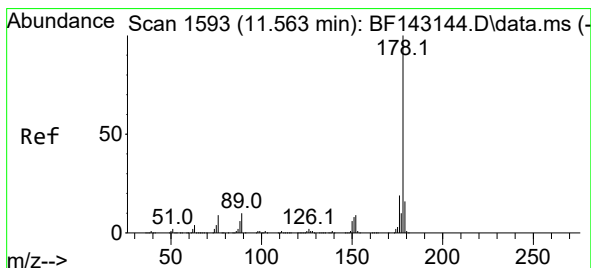
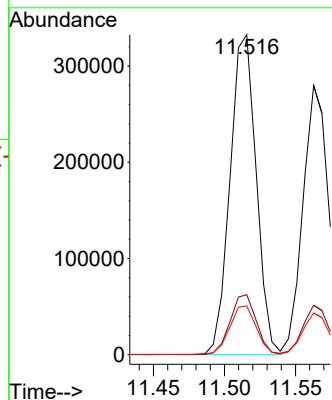


Tgt Ion:178 Resp: 42569
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.2 12.5 18.7

Manual Integrations
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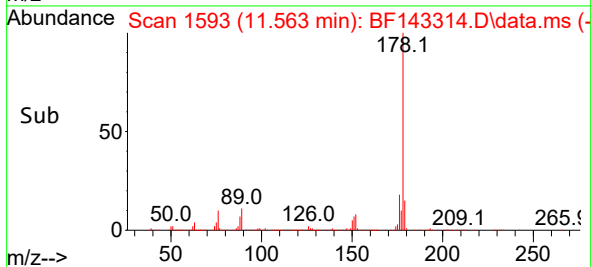
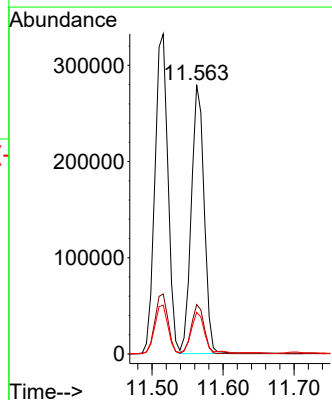
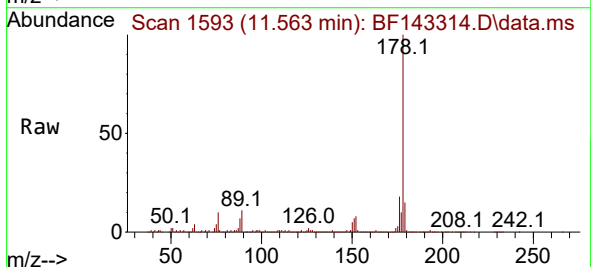
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

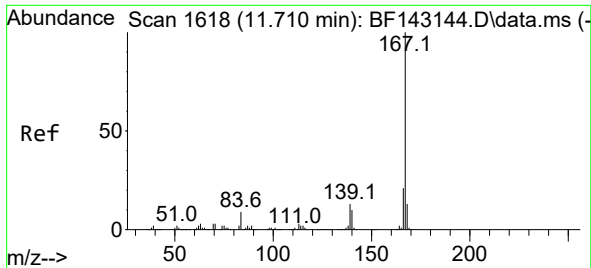
Supervised By :Jagrut
Upadhyay
08/06/2025



#72
Anthracene
Concen: 23.476 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

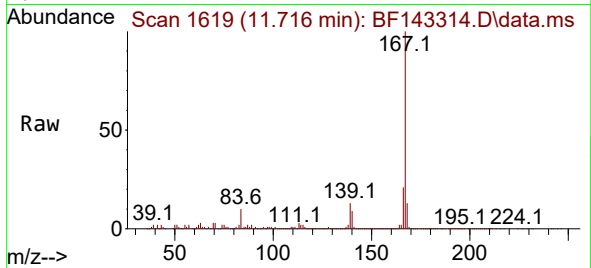
Tgt Ion:178 Resp: 351413
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.4
179 15.4 12.5 18.7





#73
 Carbazole
 Concen: 23.386 ng
 RT: 11.716 min Scan# 1618
 Delta R.T. 0.006 min
 Lab File: BF143314.D
 Acq: 05 Aug 2025 14:28

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-253MSD

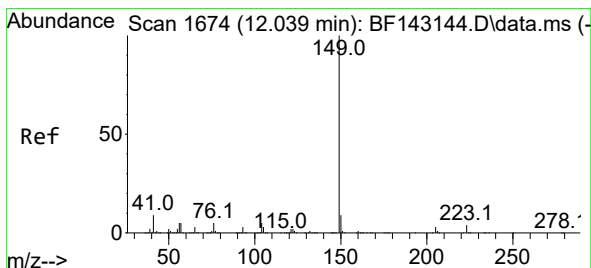
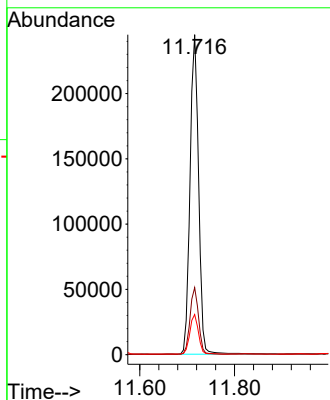
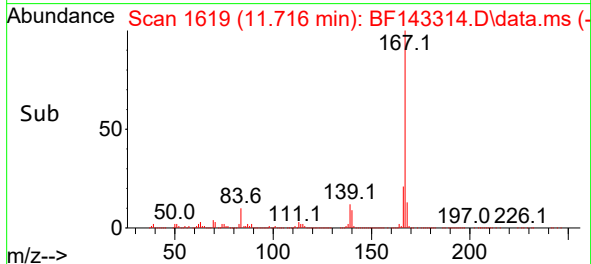


Tgt Ion:167 Resp: 305670
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.0 25.6
 139 12.6 10.0 15.0

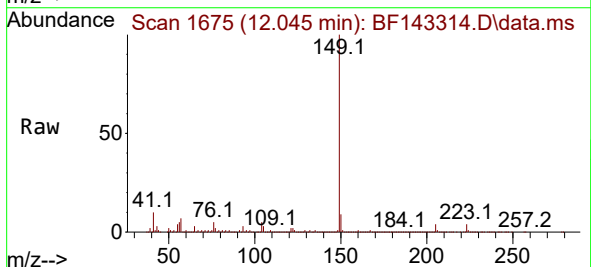
Manual Integrations
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Reviewed By :Rahul Chavli 08/06/2025
 Supervised By :Jagrut Upadhyay 08/06/2025

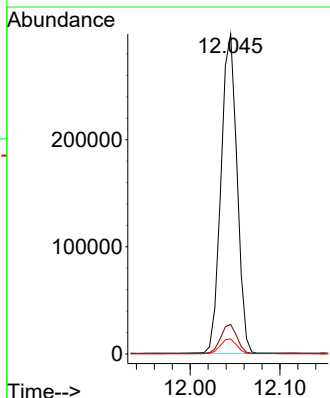
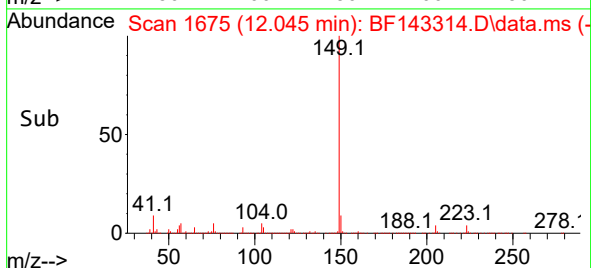
Supervised By :Jagrut
 Upadhyay
 08/06/2025

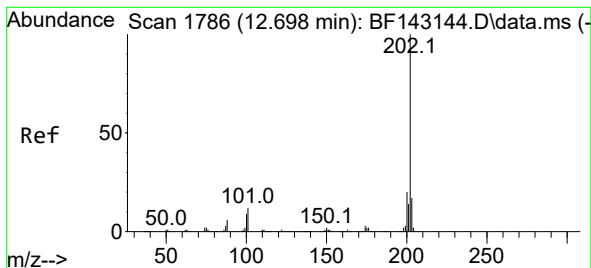


#74
 Di-n-butylphthalate
 Concen: 24.945 ng
 RT: 12.045 min Scan# 1675
 Delta R.T. 0.006 min
 Lab File: BF143314.D
 Acq: 05 Aug 2025 14:28



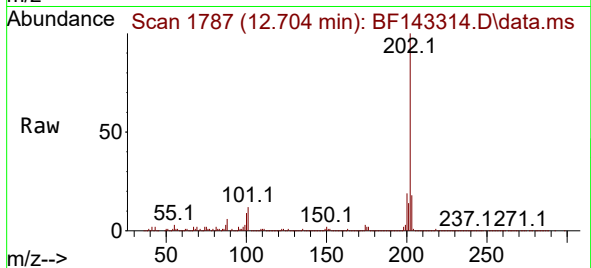
Tgt Ion:149 Resp: 368926
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 4.7 3.8 5.8





#75
Fluoranthene
Concen: 49.041 ng
RT: 12.704 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

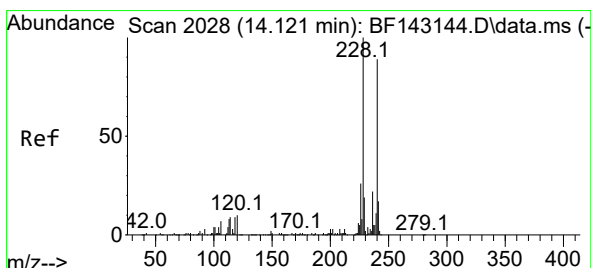
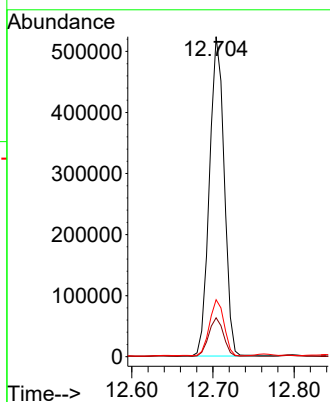
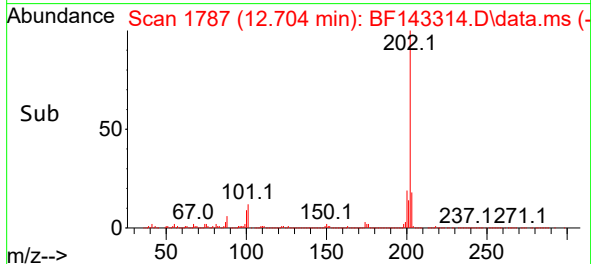


Tgt Ion:202 Resp: 660664
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.7
203 17.8 0.0 37.4

Manual Integrations
APPROVED

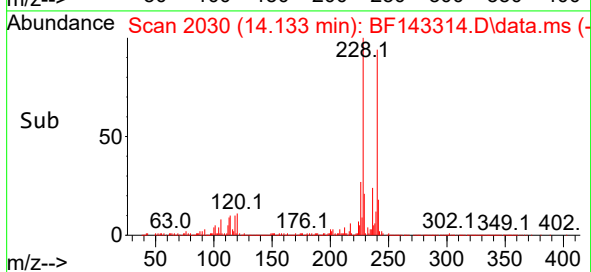
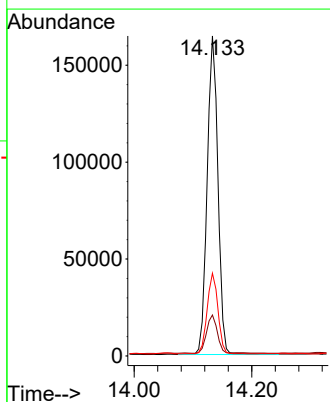
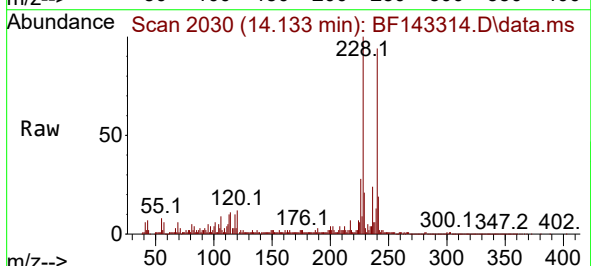
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

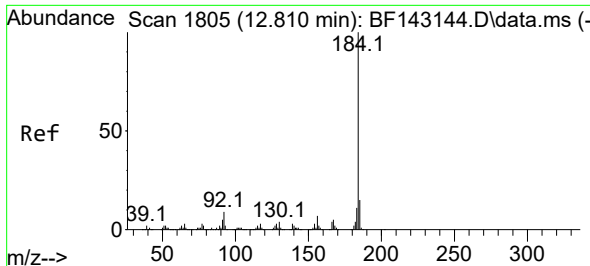
Supervised By :Jagrut
Upadhyay
08/06/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

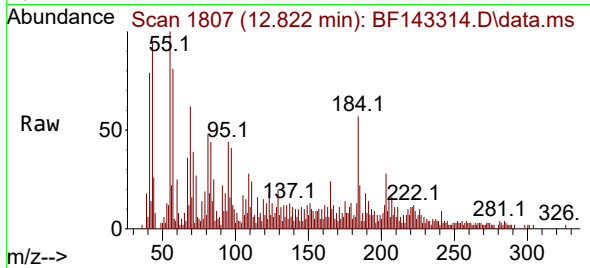
Tgt Ion:240 Resp: 209954
Ion Ratio Lower Upper
240 100
120 12.8 9.4 14.2
236 25.9 20.2 30.4





#77
Benzidine
Concen: 1.172 ng
RT: 12.822 min Scan# 1807
Delta R.T. 0.011 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

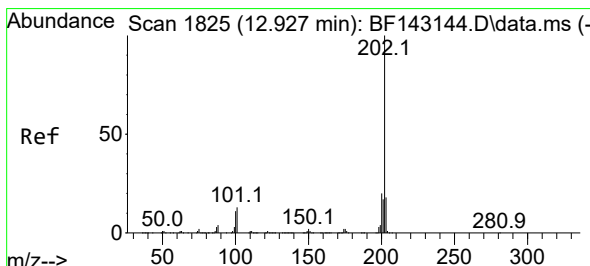
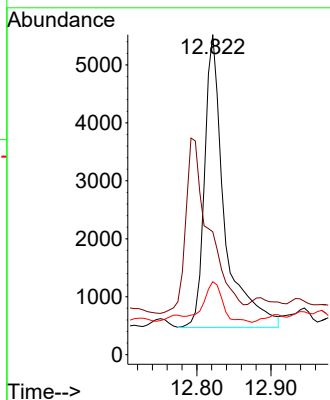
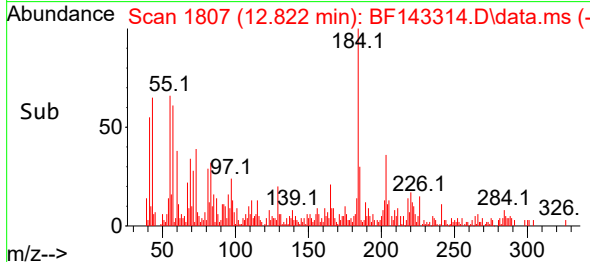


Tgt Ion:184 Resp: 9478
Ion Ratio Lower Upper
184 100
185 38.4 12.2 18.4
183 22.8 9.0 13.4

Manual Integrations
APPROVED

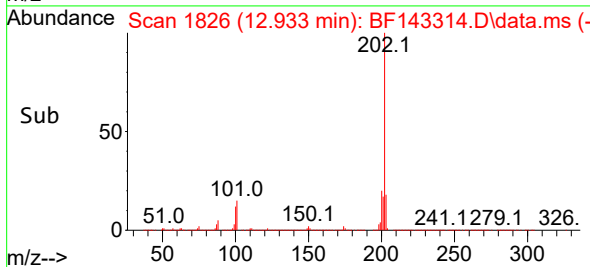
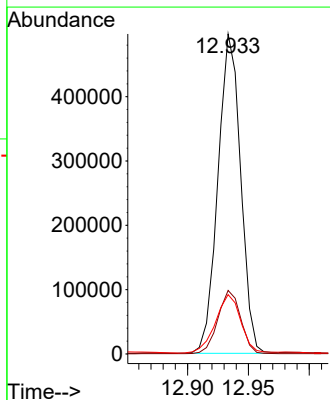
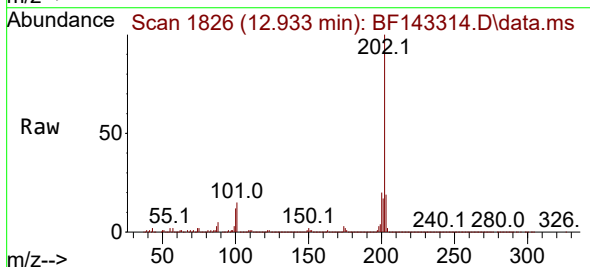
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

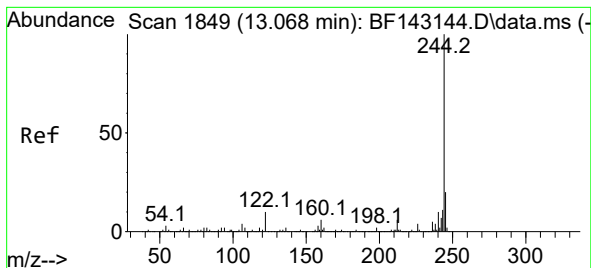
Supervised By :Jagrut
Upadhyay
08/06/2025



#78
Pyrene
Concen: 35.992 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:202 Resp: 644926
Ion Ratio Lower Upper
202 100
200 19.8 15.7 23.5
203 18.6 14.2 21.2





#79

Terphenyl-d14

Concen: 25.341 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143314.D

Acq: 05 Aug 2025 14:28

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

Tgt Ion:244 Resp: 357534
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 11.8 8.2 12.2

Manual Integrations

APPROVED

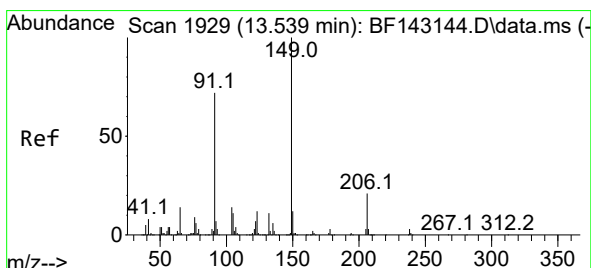
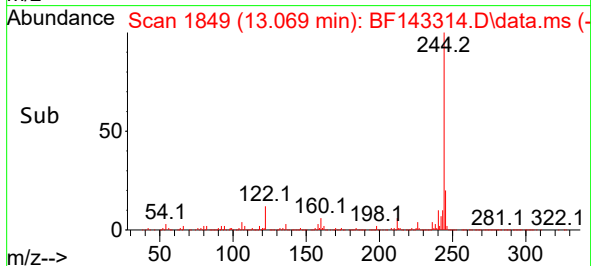
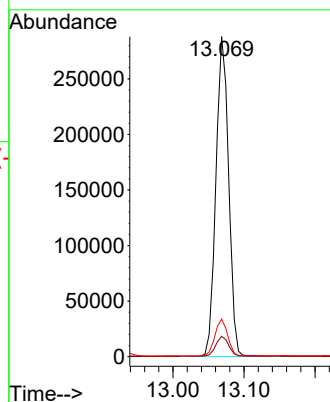
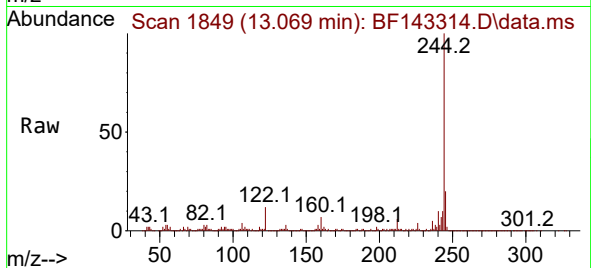
Reviewed By :Rahul Chavli 08/06/2025

Supervised By :Jagrut Upadhyay 08/06/2025

Supervised By :Jagrut

Upadhyay

08/06/2025



#80

Butylbenzylphthalate

Concen: 27.252 ng

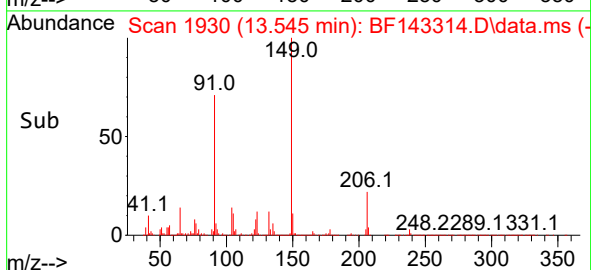
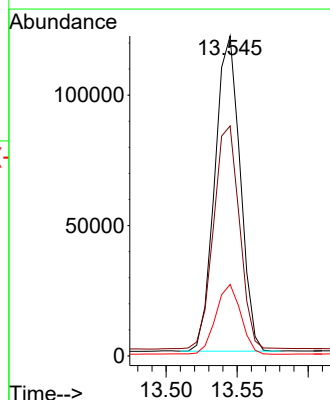
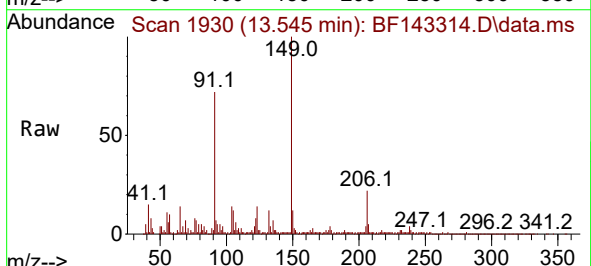
RT: 13.545 min Scan# 1930

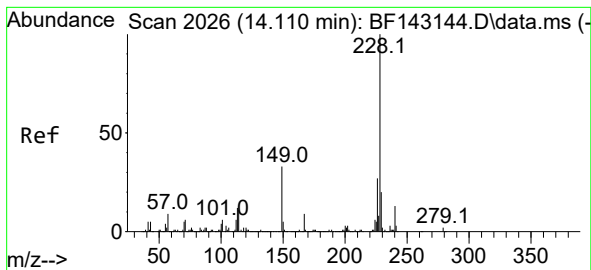
Delta R.T. 0.006 min

Lab File: BF143314.D

Acq: 05 Aug 2025 14:28

Tgt Ion:149 Resp: 149527
 Ion Ratio Lower Upper
 149 100
 91 71.9 57.9 86.9
 206 22.3 17.0 25.4





#81

Benzo(a)anthracene

Concen: 32.314 ng

RT: 14.121 min Scan# 2026

Delta R.T. 0.012 min

Lab File: BF143314.D

Acq: 05 Aug 2025 14:28

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

Tgt Ion:228 Resp: 45422

Ion Ratio Lower Upper

228 100

226 27.4 21.7 32.5

229 20.7 15.8 23.6

Manual Integrations

APPROVED

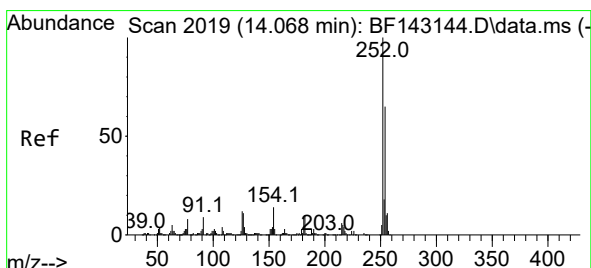
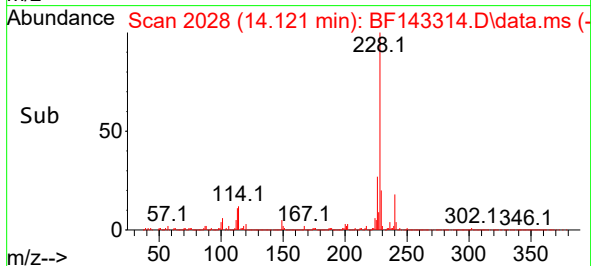
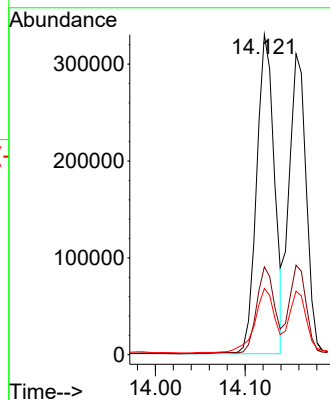
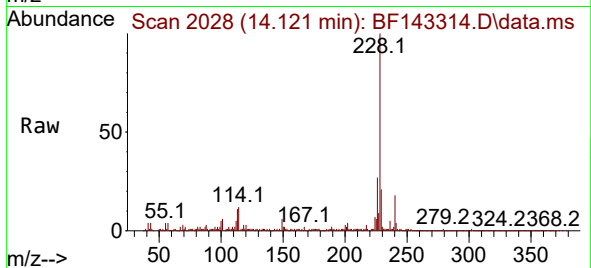
Reviewed By :Rahul Chavli 08/06/2025

Supervised By :Jagrut Upadhyay 08/06/2025

Supervised By :Jagrut

Upadhyay

08/06/2025



#82

3,3'-Dichlorobenzidine

Concen: 12.311 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.012 min

Lab File: BF143314.D

Acq: 05 Aug 2025 14:28

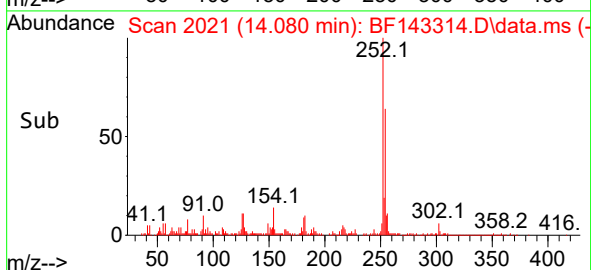
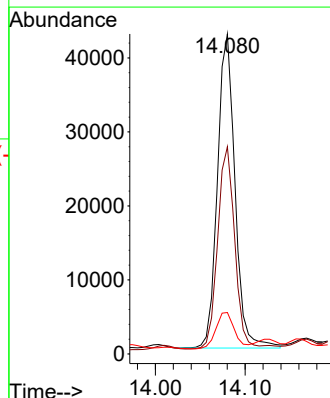
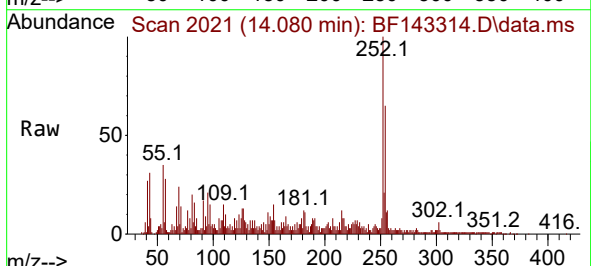
Tgt Ion:252 Resp: 57677

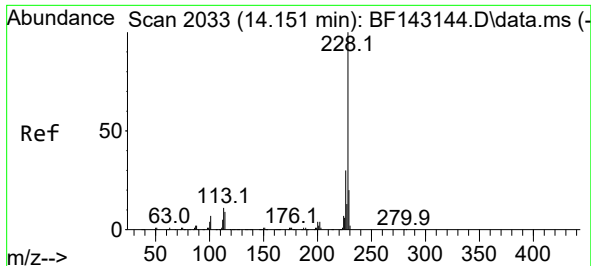
Ion Ratio Lower Upper

252 100

254 64.7 51.7 77.5

126 13.0 9.4 14.0





#83
Chrysene
Concen: 32.234 ng
RT: 14.157 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :

BNA_F

ClientSampleId :

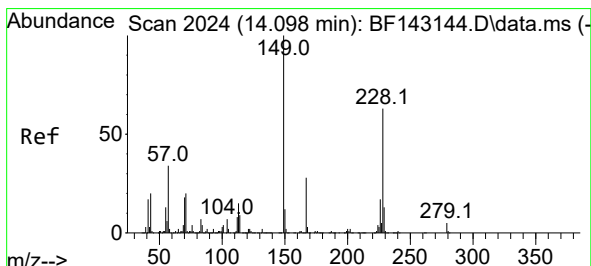
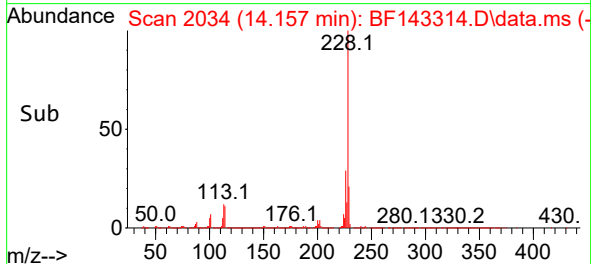
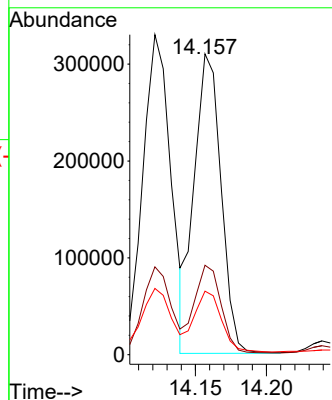
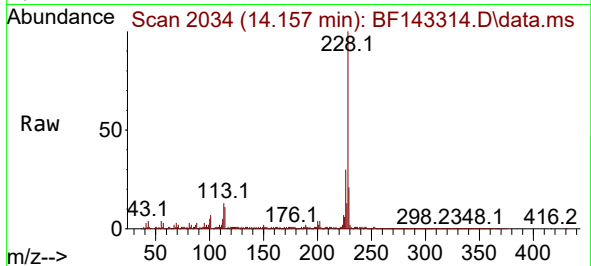
VNJ-253MSD

Tgt Ion:228 Resp: 40738
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.8
229 21.1 15.6 23.4

Manual Integrations
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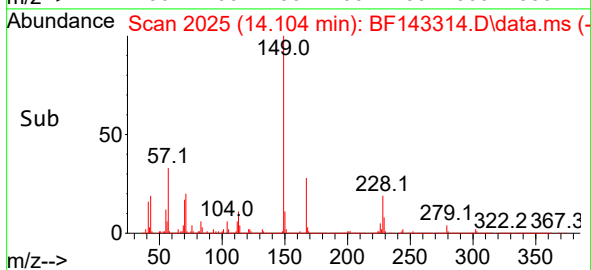
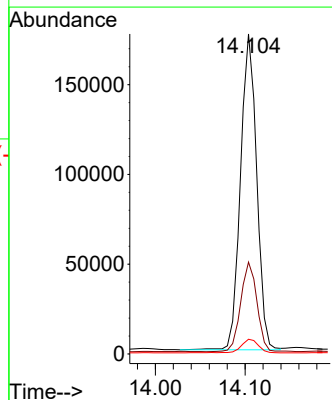
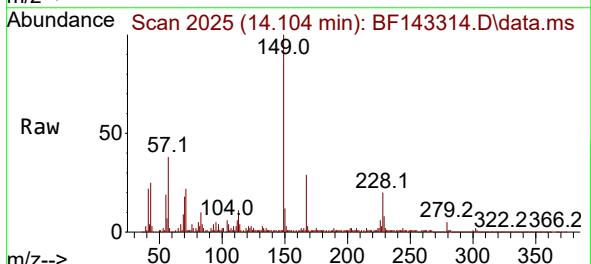
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

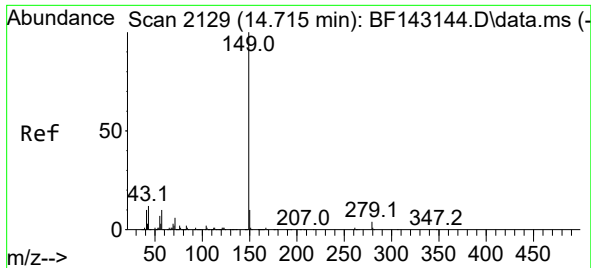
Supervised By :Jagrut
Upadhyay
08/06/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 26.468 ng
RT: 14.104 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

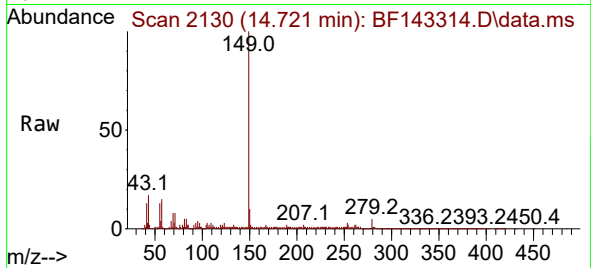
Tgt Ion:149 Resp: 219811
Ion Ratio Lower Upper
149 100
167 28.7 22.3 33.5
279 4.6 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 22.761 ng
RT: 14.721 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

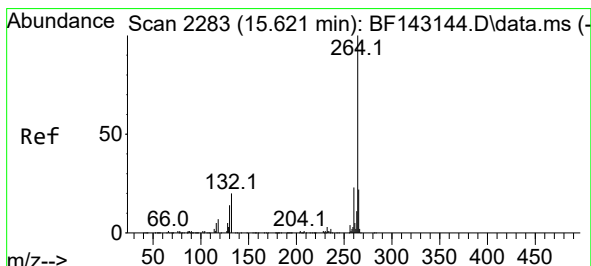
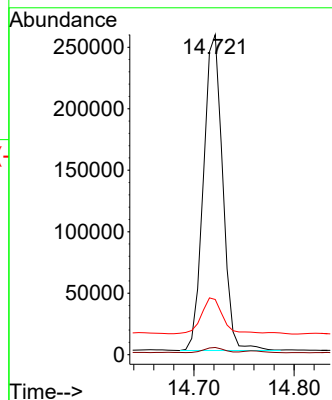
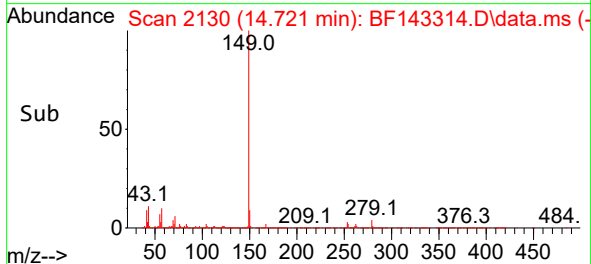


Tgt Ion:149 Resp: 342644
Ion Ratio Lower Upper
149 100
167 1.7 1.1 1.7
43 12.5 9.7 14.5

Manual Integrations
APPROVED

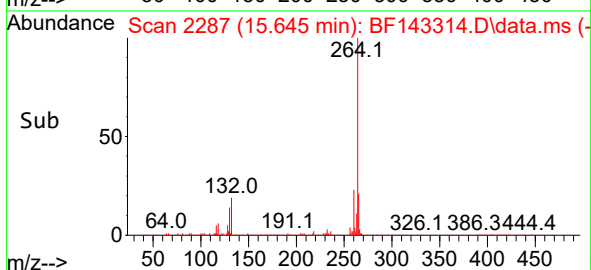
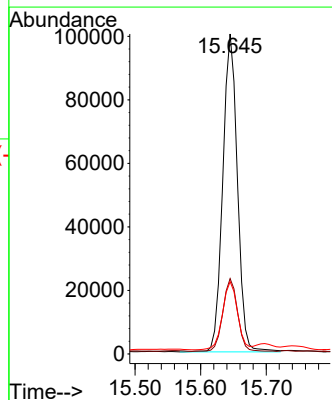
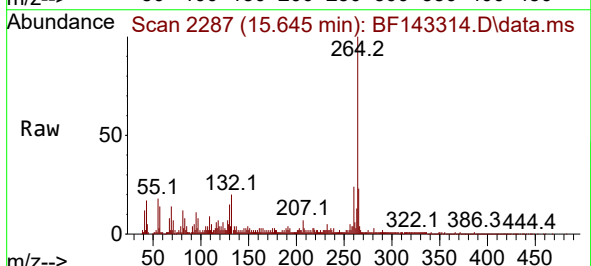
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

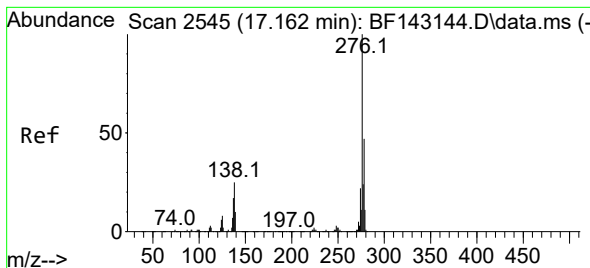
Supervised By :Jagrut
Upadhyay
08/06/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2287
Delta R.T. 0.024 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:264 Resp: 154652
Ion Ratio Lower Upper
264 100
260 23.5 18.5 27.7
265 22.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.994 ng

RT: 17.192 min Scan# 2111

Delta R.T. 0.029 min

Lab File: BF143314.D

Acq: 05 Aug 2025 14:28

Instrument :

BNA_F

ClientSampleId :

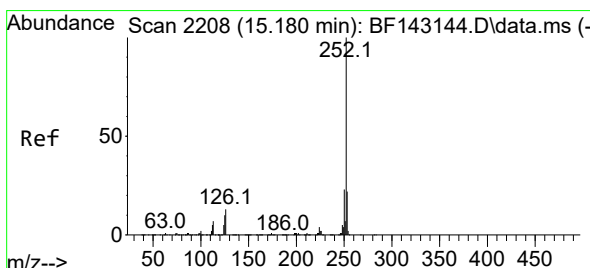
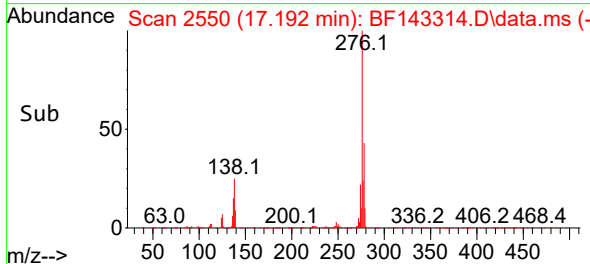
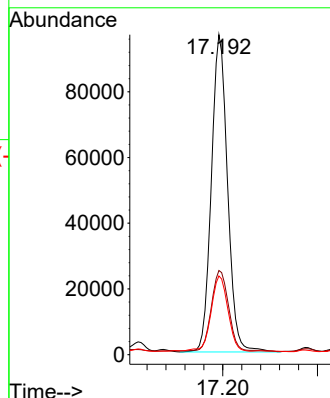
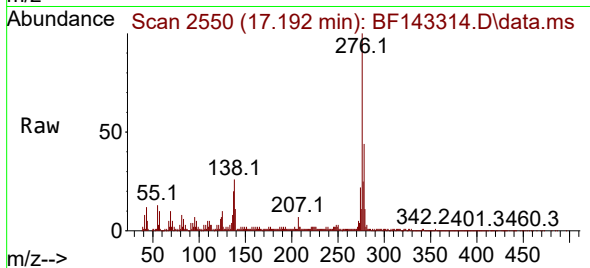
VNJ-253MSD

Tgt Ion:276 Resp: 228945
 Ion Ratio Lower Upper
 276 100
 138 26.6 21.8 32.6
 277 24.5 20.0 30.0

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/06/2025
 Supervised By :Jagrut Upadhyay 08/06/2025

Supervised By :Jagrut
 Upadhyay
 08/06/2025



#88

Benzo(b)fluoranthene

Concen: 34.391 ng

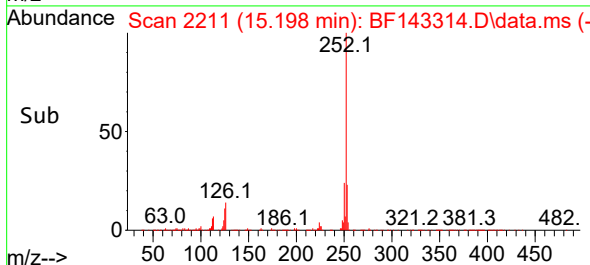
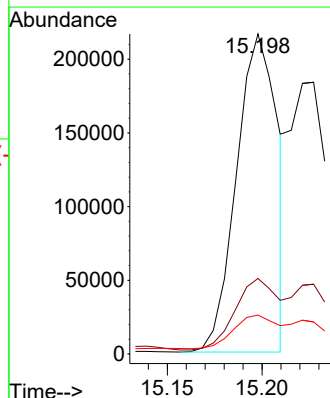
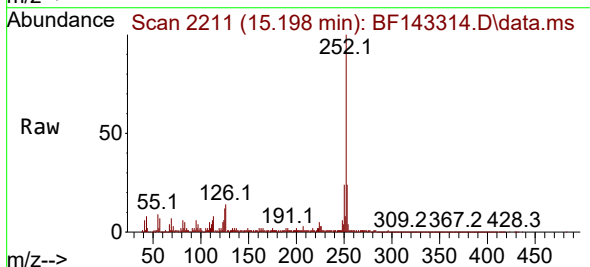
RT: 15.198 min Scan# 2211

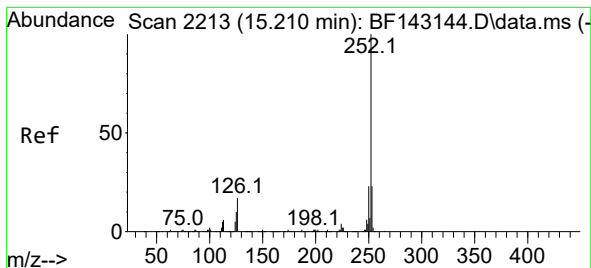
Delta R.T. 0.018 min

Lab File: BF143314.D

Acq: 05 Aug 2025 14:28

Tgt Ion:252 Resp: 324920
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.5 26.3
 125 12.2 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 30.980 ng m

RT: 15.227 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143314.D

Acq: 05 Aug 2025 14:28

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

Tgt Ion:252 Resp: 26118
 Ion Ratio Lower Upper
 252 100
 253 25.7 17.8 26.6
 125 11.8 8.1 12.1

Manual Integrations

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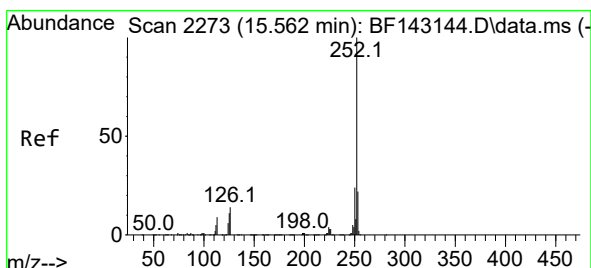
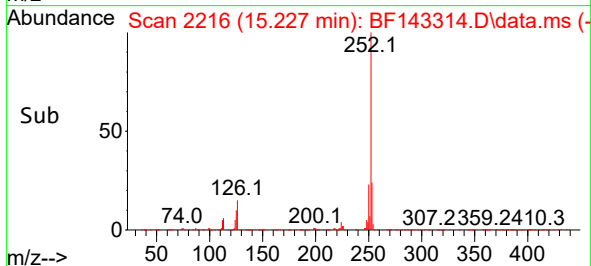
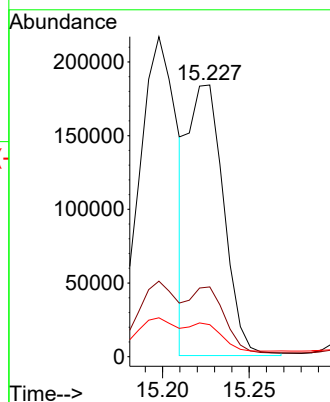
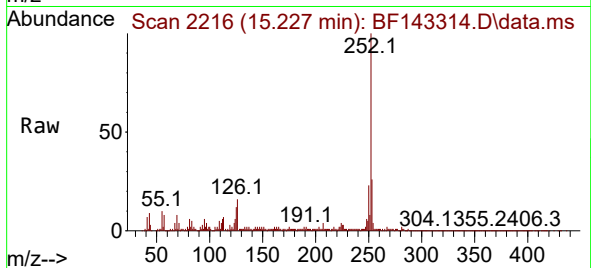
Reviewed By :Rahul Chavli 08/06/2025

Supervised By :Jagrut Upadhyay 08/06/2025

Supervised By :Jagrut

Upadhyay

08/06/2025



#90

Benzo(a)pyrene

Concen: 30.764 ng

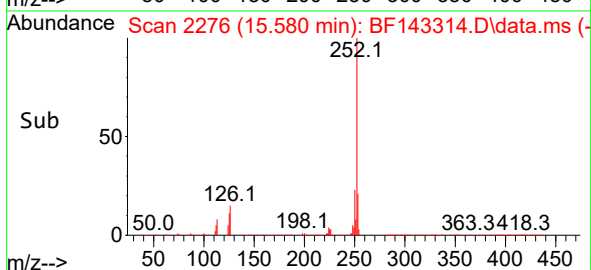
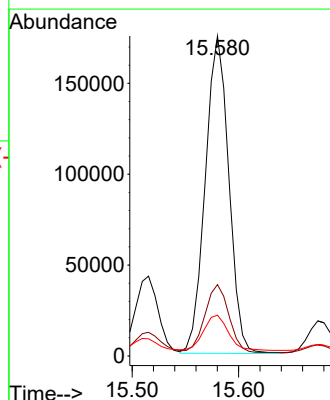
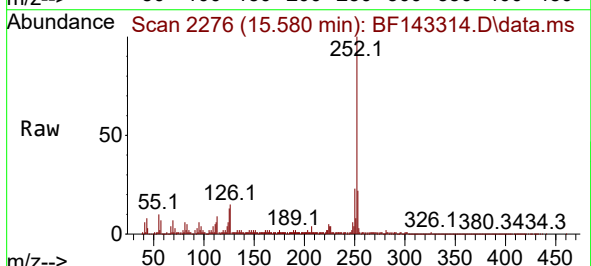
RT: 15.580 min Scan# 2276

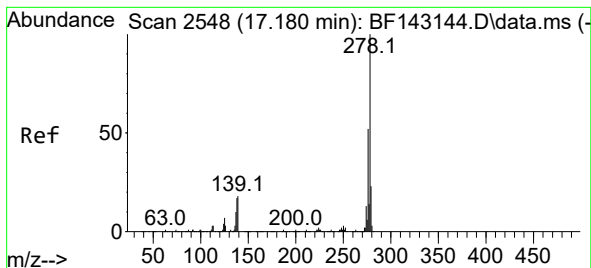
Delta R.T. 0.018 min

Lab File: BF143314.D

Acq: 05 Aug 2025 14:28

Tgt Ion:252 Resp: 267795
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.3 25.9
 125 12.7 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 17.723 ng

RT: 17.209 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF143314.D

Acq: 05 Aug 2025 14:28

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

Tgt Ion:278 Resp: 157308

Ion Ratio Lower Upper

278 100

139 20.1 14.1 21.1

279 24.2 18.6 28.0

Manual Integrations

APPROVED

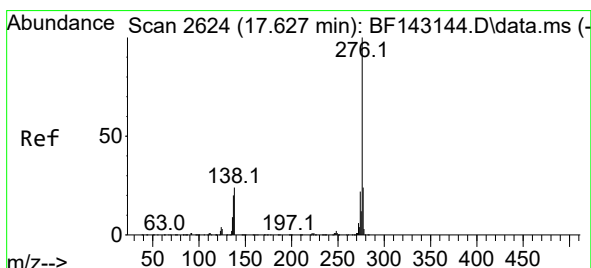
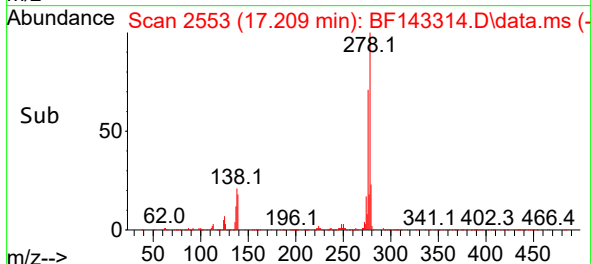
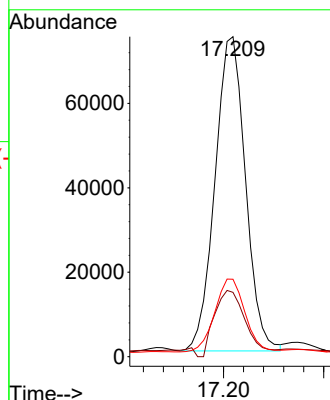
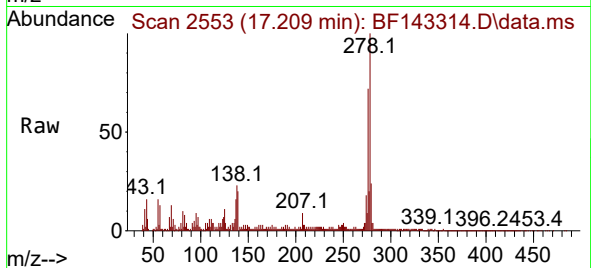
Reviewed By :Rahul Chavli 08/06/2025

Supervised By :Jagrut Upadhyay 08/06/2025

Supervised By :Jagrut

Upadhyay

08/06/2025



#92

Benzo(g,h,i)perylene

Concen: 21.337 ng

RT: 17.662 min Scan# 2630

Delta R.T. 0.035 min

Lab File: BF143314.D

Acq: 05 Aug 2025 14:28

Tgt Ion:276 Resp: 183201

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 24.7 18.9 28.3

