

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
 Data File : BF143969.D
 Acq On : 15 Oct 2025 23:18
 Operator : RC/JU
 Sample : Q3337-01MSD 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAYDOWN-YARD-1MSD

Quant Time: Oct 16 11:12:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/16/2025
 Supervised By :Jagrut Upadhyay 10/16/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	162049	20.00	ng	0.00
21) Naphthalene-d8	8.169	136	562605	20.00	ng	0.00
39) Acenaphthene-d10	9.928	164	257454	20.00	ng	0.00
64) Phenanthrene-d10	11.416	188	441424	20.00	ng	0.00
76) Chrysene-d12	14.069	240	330283	20.00	ng	0.00
86) Perylene-d12	15.557	264	265166	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	371164	36.37	ng	0.00
7) Phenol-d6	6.510	99	435903	35.84	ng	0.00
23) Nitrobenzene-d5	7.445	82	244828	26.44	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	79071	30.84	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	427743	26.36	ng	-0.01
79) Terphenyl-d14	13.004	244	420409	21.75	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.658	88	75229	15.93	ng	97
3) Pyridine	3.428	79	208853	15.19	ng	97
4) n-Nitrosodimethylamine	3.363	42	122471	16.94	ng	90
6) Aniline	6.546	93	172505	9.46	ng	97
8) 2-Chlorophenol	6.669	128	171552	17.20	ng	98
9) Benzaldehyde	6.434	77	101072	10.77	ng	99
10) Phenol	6.522	94	259824	17.87	ng	95
11) bis(2-Chloroethyl)ether	6.616	93	233487	20.79	ng	100
12) 1,3-Dichlorobenzene	6.822	146	208999	17.50	ng	98
13) 1,4-Dichlorobenzene	6.898	146	209614	17.80	ng	99
14) 1,2-Dichlorobenzene	7.051	146	197621	17.52	ng	99
15) Benzyl Alcohol	7.022	79	175802	19.29	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	445555	17.43	ng	100
17) 2-Methylphenol	7.134	107	140720	17.07	ng	98
18) Hexachloroethane	7.398	117	60118	15.31	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	138324	16.61	ng	99
20) 3+4-Methylphenols	7.287	107	168137	17.60	ng	# 62
22) Acetophenone	7.287	105	249193	20.95	ng	98
24) Nitrobenzene	7.463	77	193830	18.85	ng	98
25) Isophorone	7.698	82	345058	17.67	ng	98
26) 2-Nitrophenol	7.781	139	81631	18.52	ng	98
27) 2,4-Dimethylphenol	7.816	122	157743	19.89	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	227016	18.41	ng	99
29) 2,4-Dichlorophenol	8.022	162	140529	17.01	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	148162	18.24	ng	100
31) Naphthalene	8.187	128	455184	17.79	ng	99
32) Benzoic acid	7.898	122	68983	12.57	ng	95
33) 4-Chloroaniline	8.240	127	103624	10.80	ng	98
34) Hexachlorobutadiene	8.304	225	97396	17.25	ng	98
35) Caprolactam	8.587	113	39704	15.12	ng	98
36) 4-Chloro-3-methylphenol	8.710	107	122801	15.47	ng	99
37) 2-Methylnaphthalene	8.881	142	255463	14.99	ng	95
38) 1-Methylnaphthalene	8.981	142	261011	15.78	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	152533	21.44	ng	99
41) Hexachlorocyclopentadiene	9.034	237	6776	2.30	ng	91
43) 2,4,6-Trichlorophenol	9.157	196	93674	18.02	ng	97

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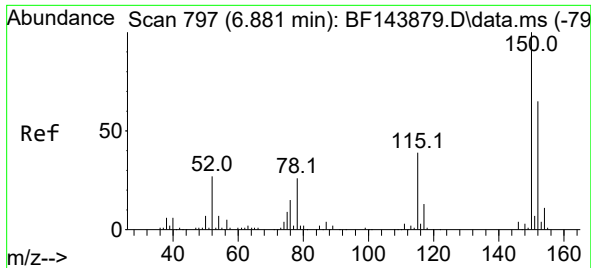
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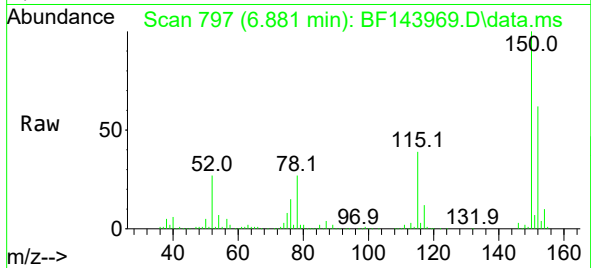
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	95472	17.38	ng	99
46) 1,1'-Biphenyl	9.345	154	362273	21.25	ng	99
47) 2-Chloronaphthalene	9.369	162	267226	18.80	ng	97
48) 2-Nitroaniline	9.463	65	88022	19.59	ng	96
49) Acenaphthylene	9.786	152	411663	20.60	ng	98
50) Dimethylphthalate	9.639	163	312952	19.14	ng	100
51) 2,6-Dinitrotoluene	9.704	165	59910	19.76	ng	95
52) Acenaphthene	9.957	154	217247	16.59	ng	98
53) 3-Nitroaniline	9.875	138	60651	16.34	ng	98
54) 2,4-Dinitrophenol	9.986	184	6962	10.34	ng	# 84
55) Dibenzofuran	10.128	168	326516	17.67	ng	99
56) 4-Nitrophenol	10.028	139	94945	33.78	ng	99
57) 2,4-Dinitrotoluene	10.110	165	75260	18.24	ng	96
58) Fluorene	10.475	166	260205	18.66	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	70718	18.18	ng	95
60) Diethylphthalate	10.339	149	278418	18.33	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	131456	17.83	ng	98
62) 4-Nitroaniline	10.486	138	57347	16.06	ng	89
63) Azobenzene	10.622	77	297479	18.74	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	6111	2.75	ng	93
66) n-Nitrosodiphenylamine	10.581	169	254132	18.34	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	81586	16.72	ng	100
68) Hexachlorobenzene	11.022	284	90999	16.11	ng	98
69) Atrazine	11.110	200	78681	18.73	ng	98
70) Pentachlorophenol	11.222	266	102594	31.63	ng	97
71) Phenanthrene	11.439	178	458174	21.41	ng	98
72) Anthracene	11.492	178	418980	19.38	ng	99
73) Carbazole	11.645	167	370085	19.33	ng	99
74) Di-n-butylphthalate	11.975	149	442416	19.94	ng	99
75) Fluoranthene	12.633	202	568395	25.71	ng	99
77) Benzidine	12.757	184	104355	9.10	ng	98
78) Pyrene	12.863	202	570633	20.72	ng	99
80) Butylbenzylphthalate	13.480	149	196439	21.97	ng	100
81) Benzo(a)anthracene	14.057	228	414340	19.17	ng	98
82) 3,3'-Dichlorobenzidine	14.016	252	109919	16.69	ng	# 98
83) Chrysene	14.092	228	387944	19.39	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	384008	35.62	ng	98
85) Di-n-octyl phthalate	14.657	149	388944	21.97	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	271819	16.73	ng	99
88) Benzo(b)fluoranthene	15.116	252	323935	21.27	ng	97
89) Benzo(k)fluoranthene	15.145	252	250079m	17.74	ng	
90) Benzo(a)pyrene	15.492	252	262899	19.91	ng	# 96
91) Dibenzo(a,h)anthracene	17.080	278	204851	15.68	ng	97
92) Benzo(g,h,i)perylene	17.515	276	215573	16.50	ng	96

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

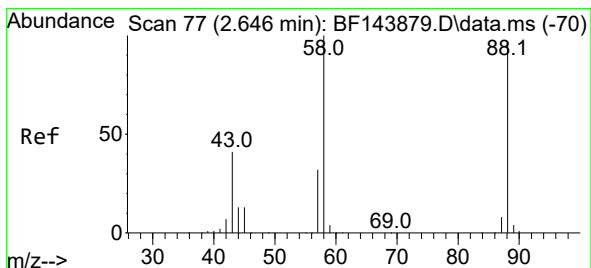
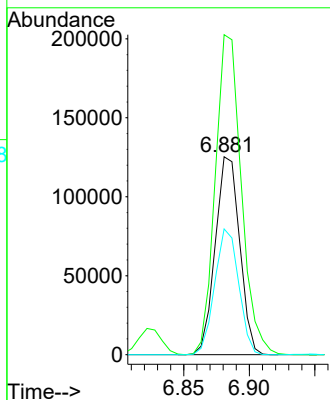
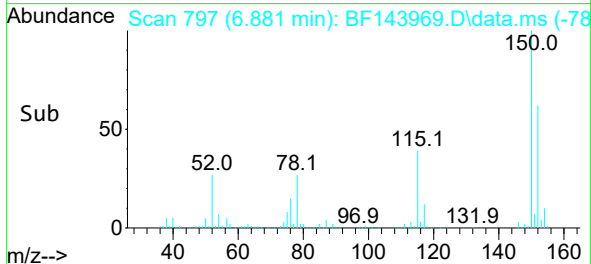
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



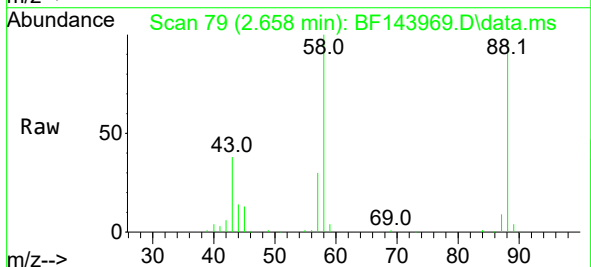
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Ion Ratio Lower Upper
152 100
150 161.7 124.4 186.6
115 63.6 48.1 72.1

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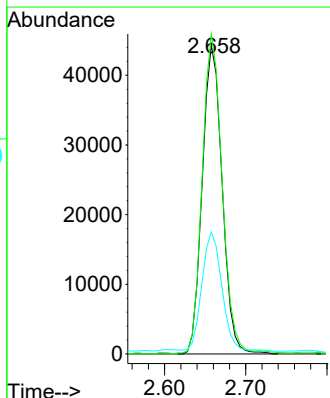
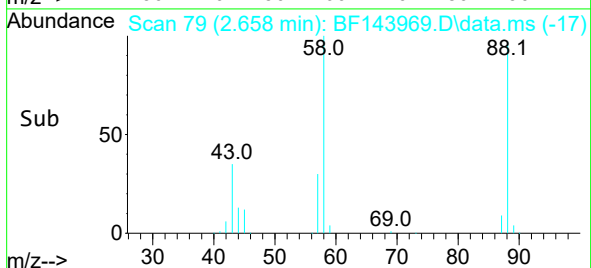
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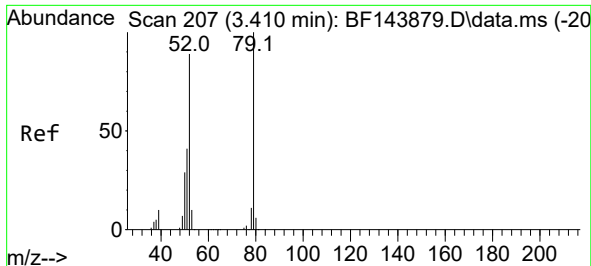


#2
1,4-Dioxane
Concen: 15.93 ng
RT: 2.658 min Scan# 79
Delta R.T. 0.012 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18



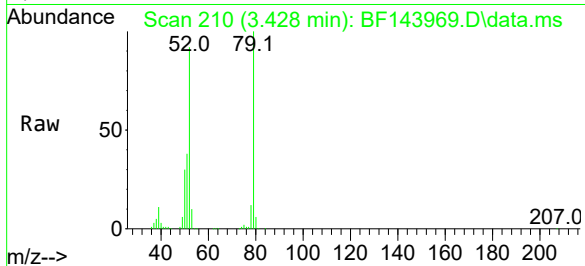
Tgt Ion: 88 Resp: 75229
Ion Ratio Lower Upper
88 100
58 104.7 83.0 124.6
43 37.7 33.9 50.9





#3
Pyridine
Concen: 15.19 ng
RT: 3.428 min Scan# 207
Delta R.T. 0.012 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

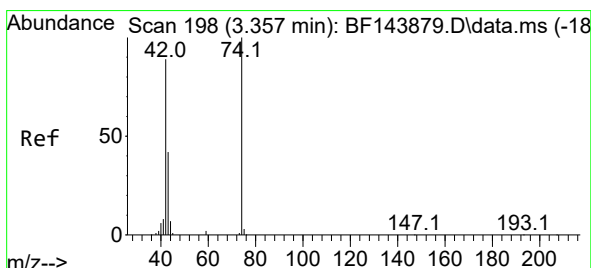
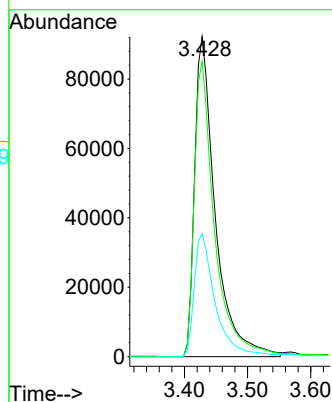
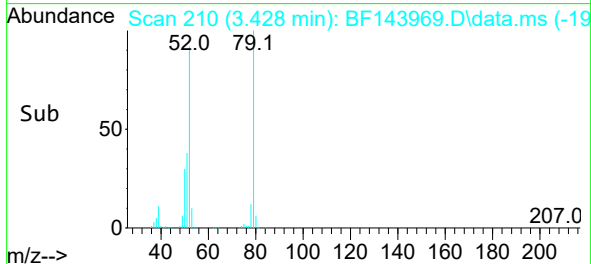
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



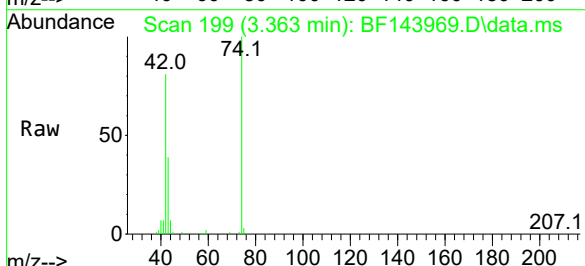
Tgt Ion: 79 Resp: 20885
Ion Ratio Lower Upper
79 100
52 92.3 71.5 107.3
51 38.4 32.9 49.3

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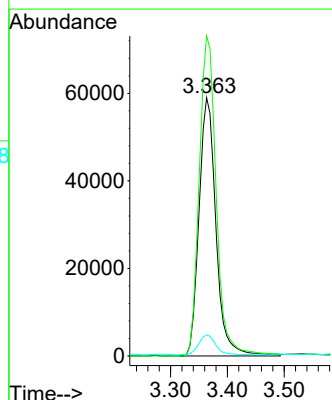
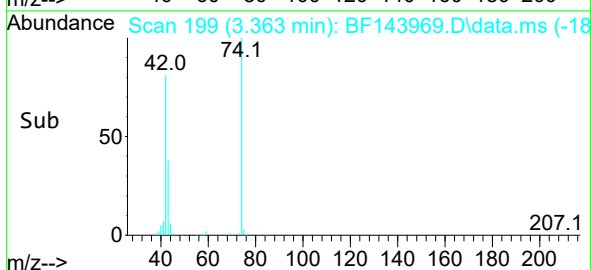
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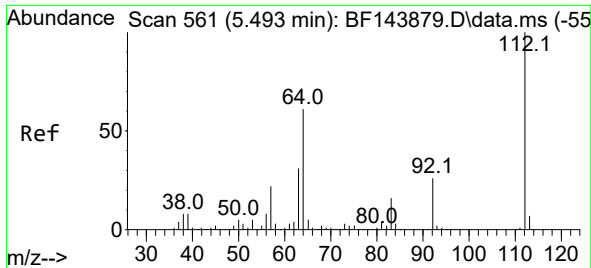


#4
n-Nitrosodimethylamine
Concen: 16.94 ng
RT: 3.363 min Scan# 199
Delta R.T. -0.023 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18



Tgt Ion: 42 Resp: 122471
Ion Ratio Lower Upper
42 100
74 123.8 90.0 135.0
44 8.2 6.2 9.2





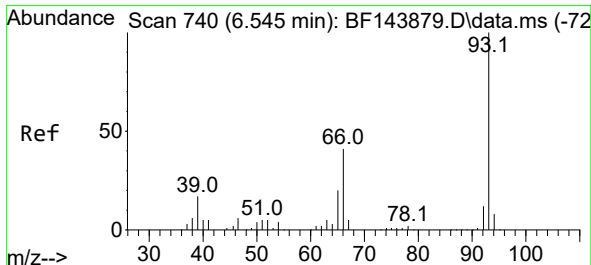
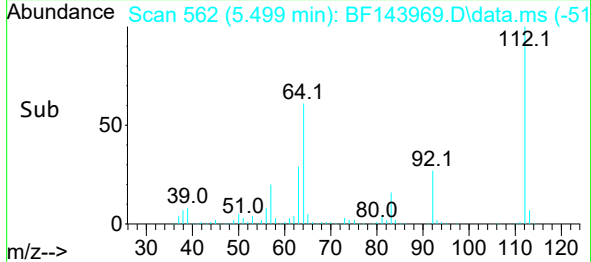
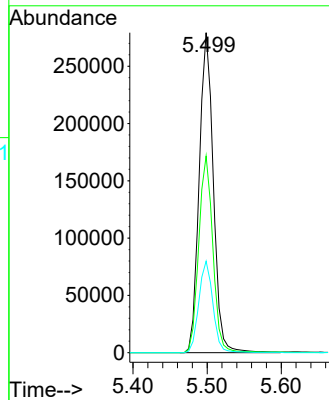
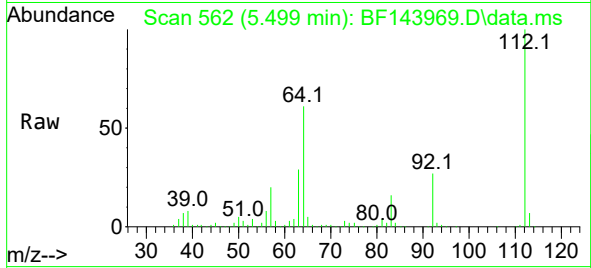
#5
2-Fluorophenol
Concen: 36.37 ng
RT: 5.499 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

Instrument :
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ClientSampleId :
LAYDOWN-YARD-1MSD

Tgt Ion:112 Resp: 371164
Ion Ratio Lower Upper
112 100
64 61.5 49.1 73.7
63 28.6 24.5 36.7

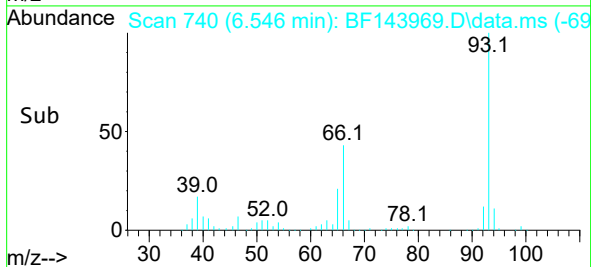
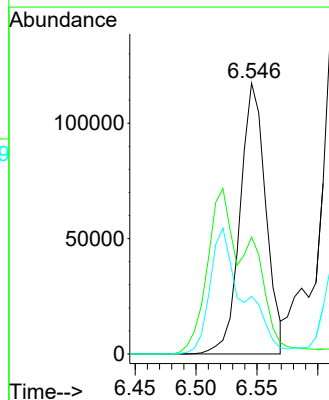
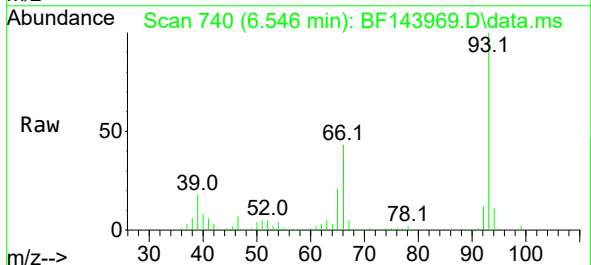
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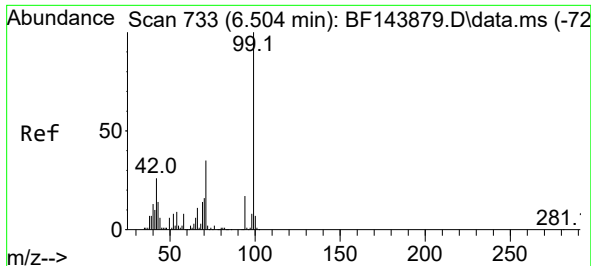
Reviewed By :Rahul Chavli 10/16/2025
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#6
Aniline
Concen: 9.46 ng
RT: 6.546 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

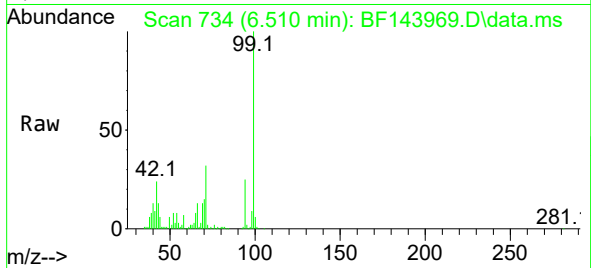
Tgt Ion: 93 Resp: 172505
Ion Ratio Lower Upper
93 100
66 43.2 33.0 49.6
65 21.3 15.8 23.8





#7
Phenol-d6
Concen: 35.84 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

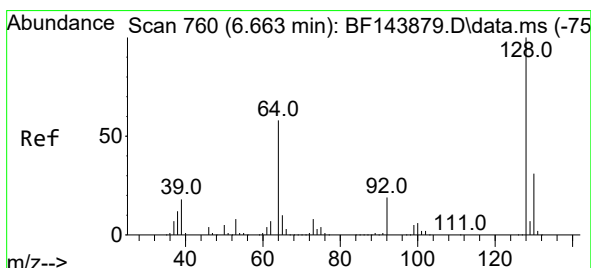
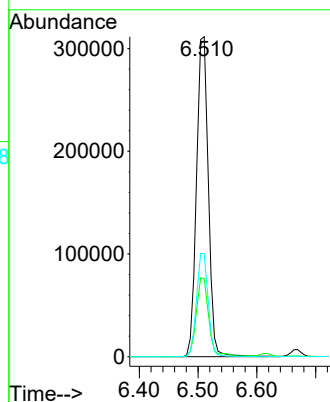
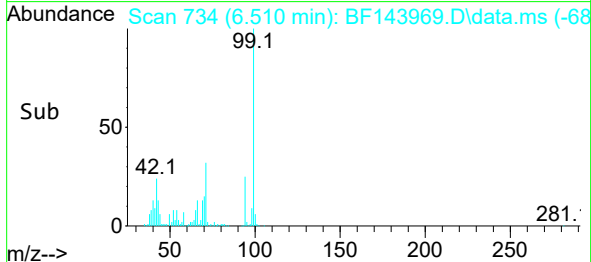
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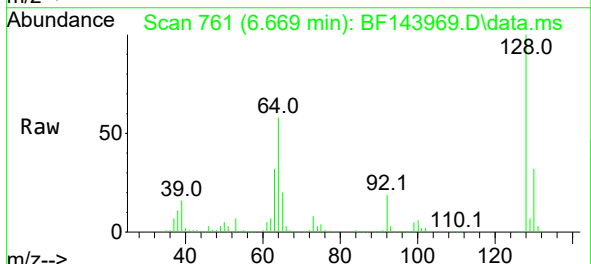
Tgt Ion: 99 Resp: 43590
Ion Ratio Lower Upper
99 100
42 24.4 21.0 31.4
71 32.1 27.8 41.8

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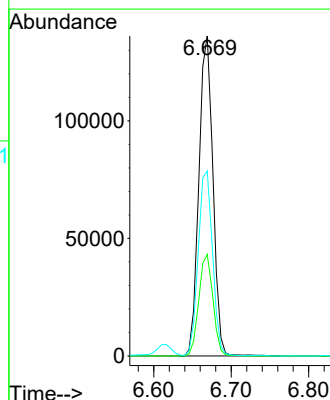
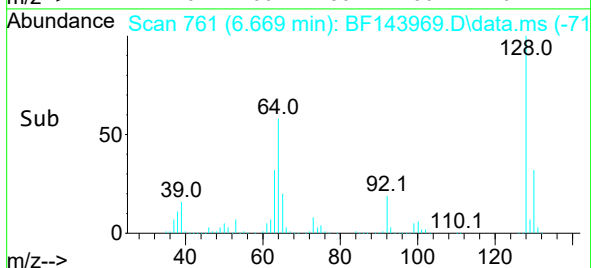
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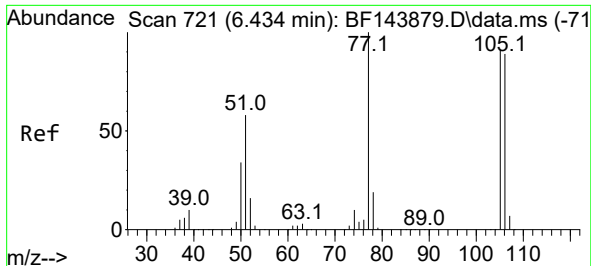


#8
2-Chlorophenol
Concen: 17.20 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18



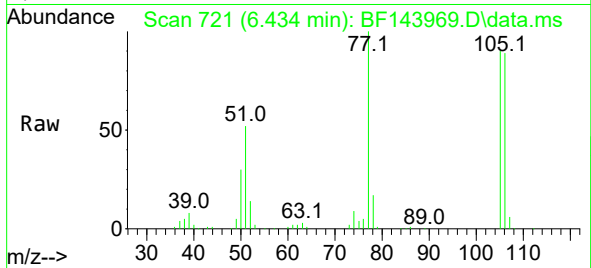
Tgt Ion:128 Resp: 171552
Ion Ratio Lower Upper
128 100
130 31.8 10.7 50.7
64 57.7 39.0 79.0





#9
Benzaldehyde
Concen: 10.77 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

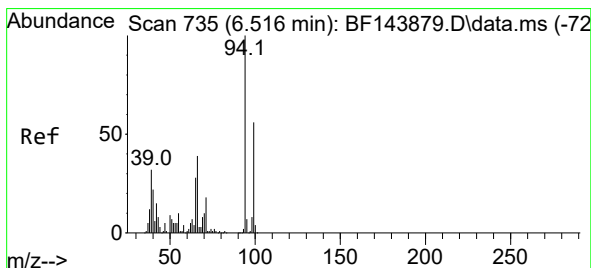
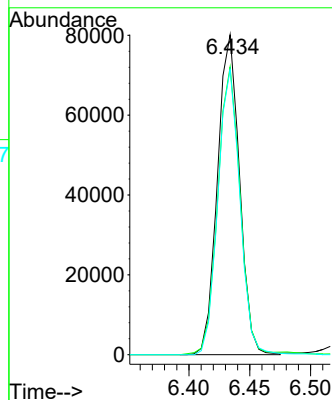
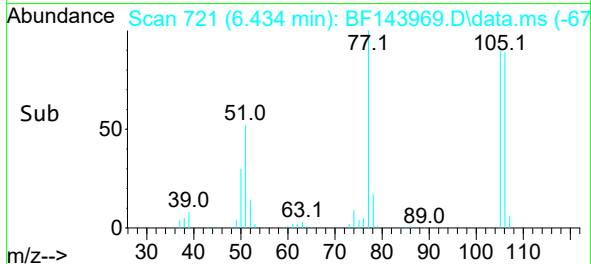
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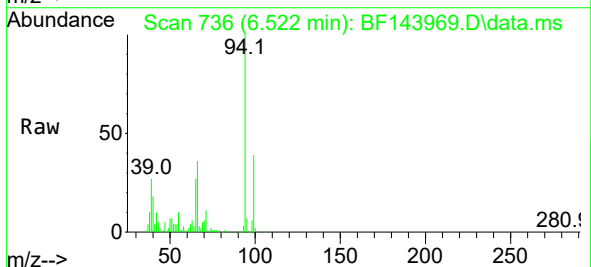
Tgt Ion: 77 Resp: 101072
Ion Ratio Lower Upper
77 100
105 90.0 70.9 110.9
106 89.1 68.9 108.9

Manual Integrations
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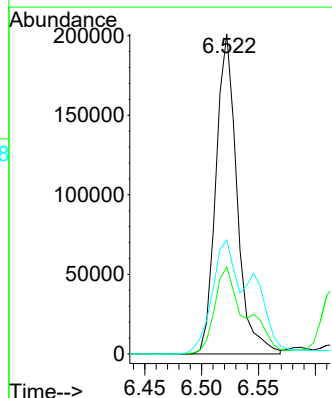
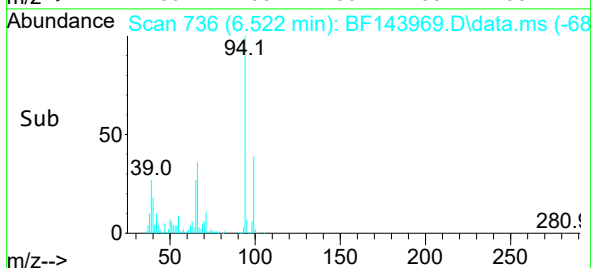
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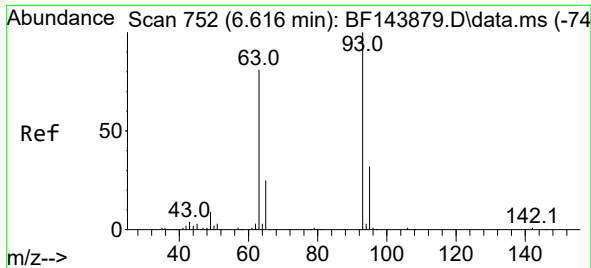


#10
Phenol
Concen: 17.87 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.012 min
Lab File: BF143969.D
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Tgt Ion: 94 Resp: 259824
Ion Ratio Lower Upper
94 100
65 27.1 8.5 48.5
66 35.7 19.9 59.9





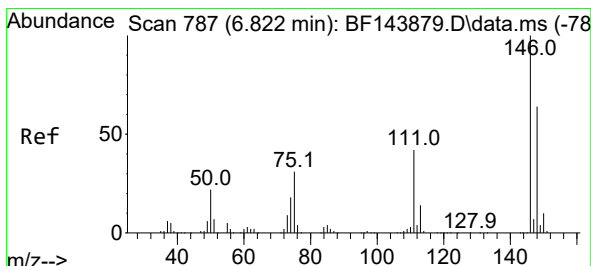
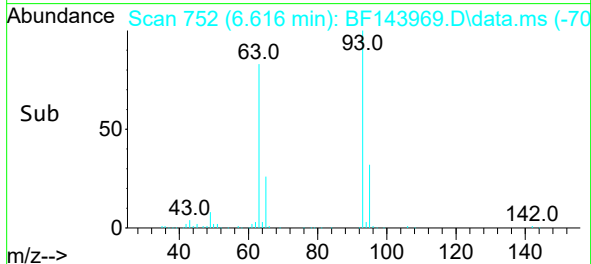
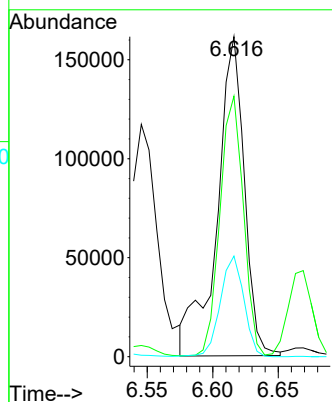
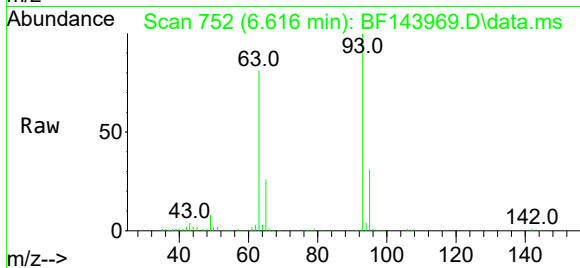
#11
bis(2-Chloroethyl)ether
Concen: 20.79 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD

Tgt Ion: 93 Resp: 23348
Ion Ratio Lower Upper
93 100
63 81.4 60.9 100.9
95 31.5 11.5 51.5

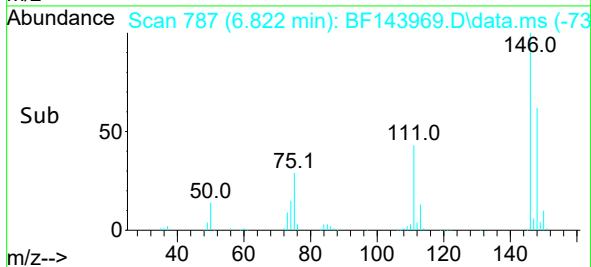
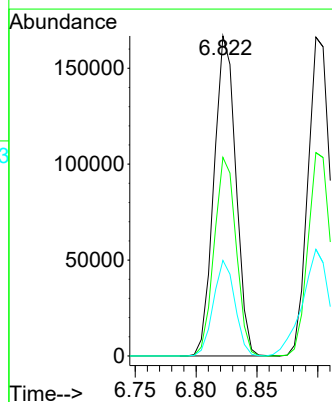
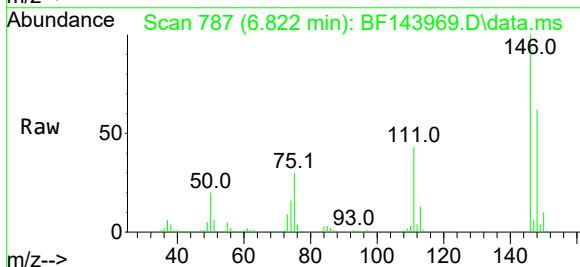
Manual Integrations
APPROVED

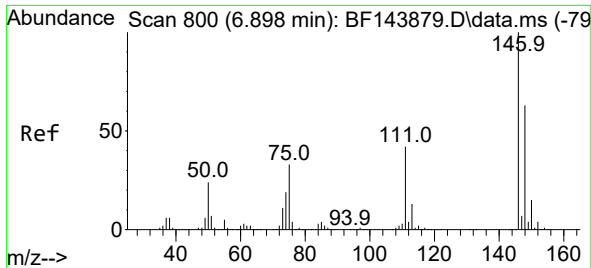
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#12
1,3-Dichlorobenzene
Concen: 17.50 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

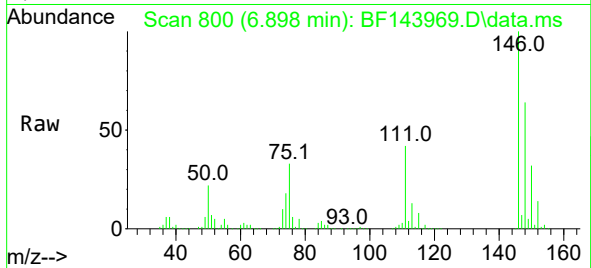
Tgt Ion:146 Resp: 208999
Ion Ratio Lower Upper
146 100
148 62.1 51.0 76.4
75 29.9 24.9 37.3





#13
1,4-Dichlorobenzene
Concen: 17.80 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

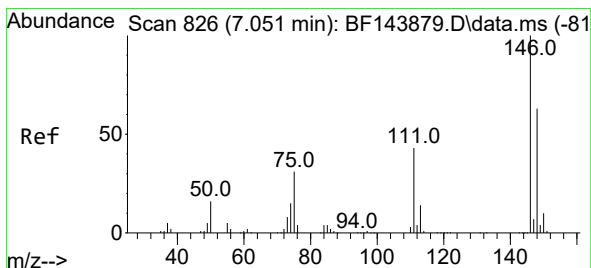
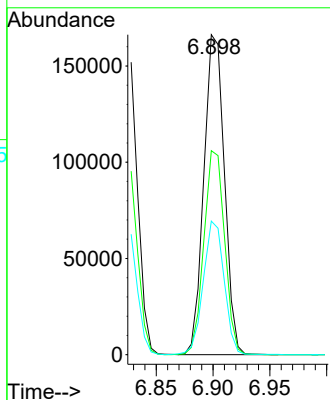
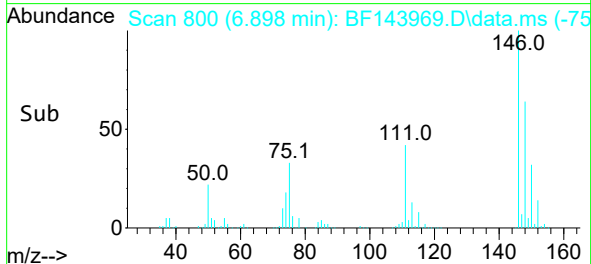
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



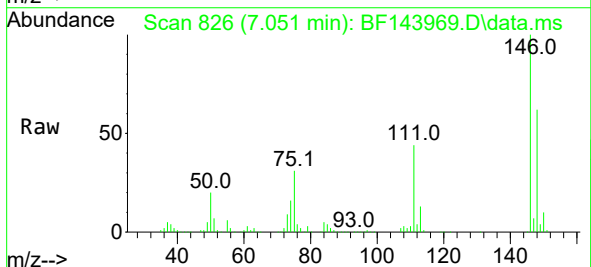
Tgt Ion:146 Resp: 209614
Ion Ratio Lower Upper
146 100
148 63.8 50.5 75.7
111 41.8 33.4 50.0

Manual Integrations
APPROVED

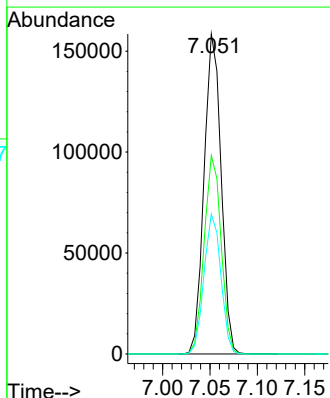
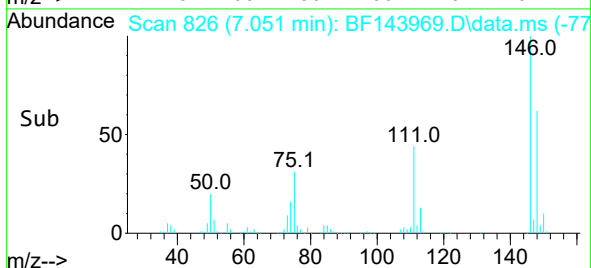
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

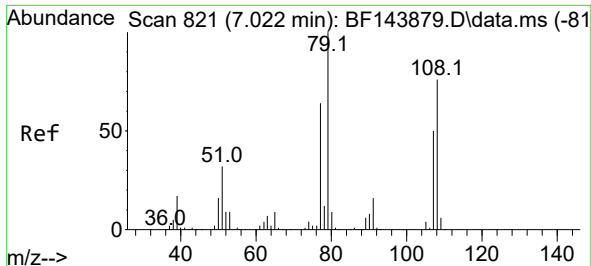


#14
1,2-Dichlorobenzene
Concen: 17.52 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18



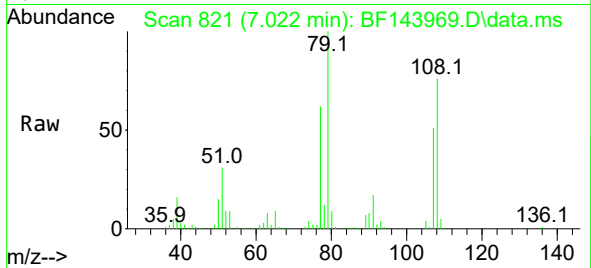
Tgt Ion:146 Resp: 197621
Ion Ratio Lower Upper
146 100
148 62.0 50.6 75.8
111 43.8 34.6 51.8





#15
Benzyl Alcohol
Concen: 19.29 ng
RT: 7.022 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

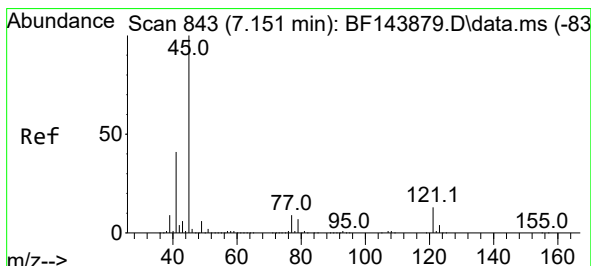
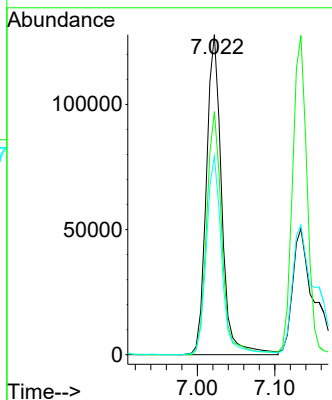
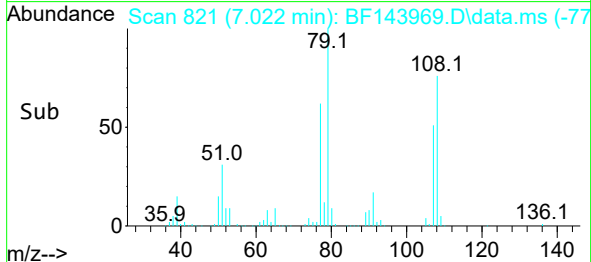
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



Tgt Ion: 79 Resp: 17580
Ion Ratio Lower Upper
79 100
108 75.9 60.8 91.2
77 62.0 51.0 76.6

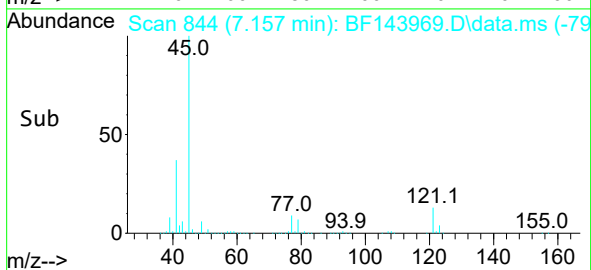
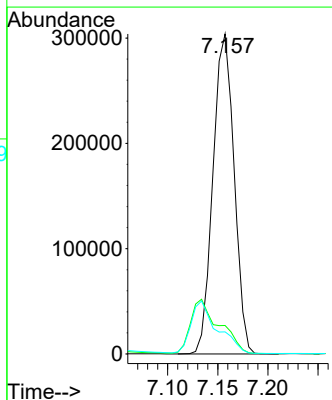
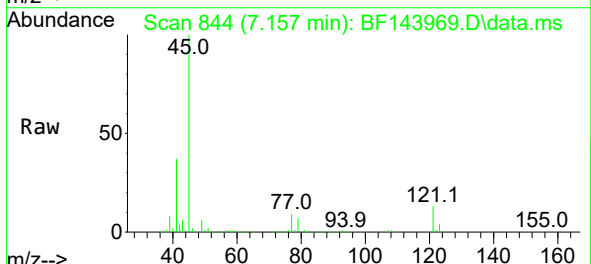
Manual Integrations
APPROVED

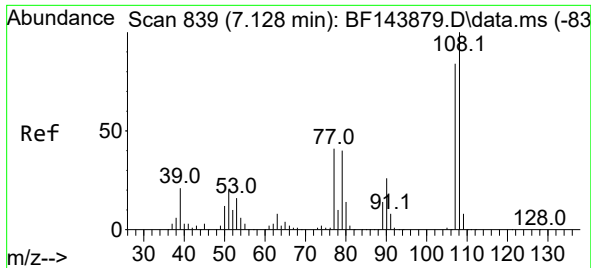
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 17.43 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

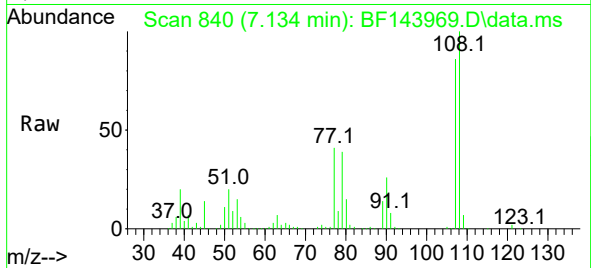
Tgt Ion: 45 Resp: 445555
Ion Ratio Lower Upper
45 100
77 8.9 0.0 29.0
79 6.9 0.0 26.8





#17
2-Methylphenol
Concen: 17.07 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

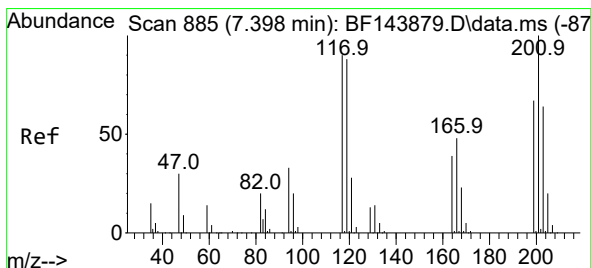
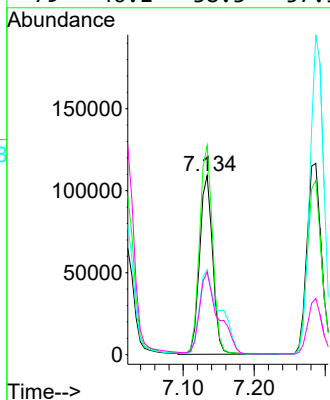
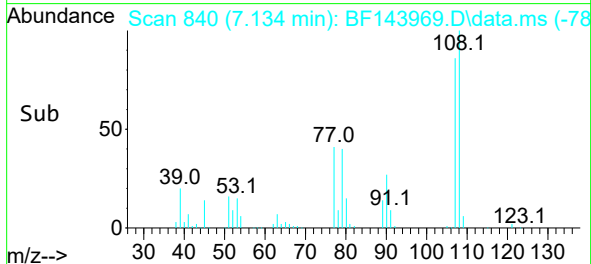
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



Tgt Ion:107 Resp: 140720
Ion Ratio Lower Upper
107 100
108 116.7 94.7 142.1
77 47.5 38.8 58.2
79 46.1 38.3 57.5

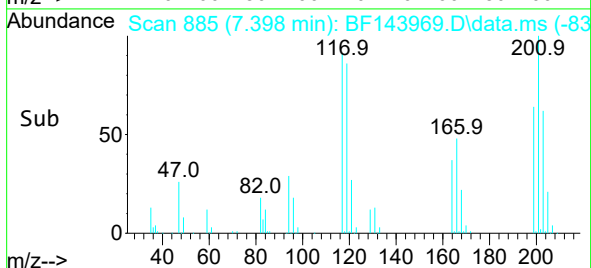
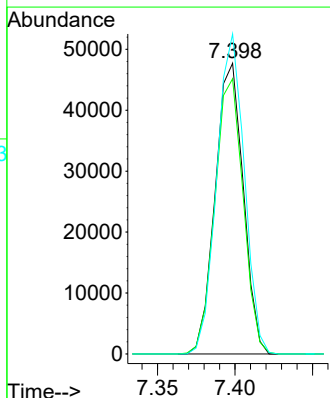
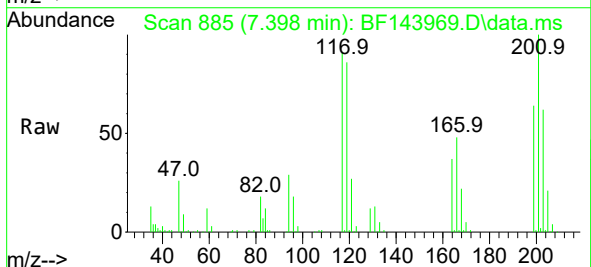
Manual Integrations
APPROVED

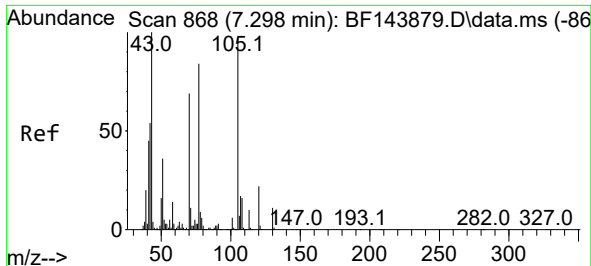
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#18
Hexachloroethane
Concen: 15.31 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

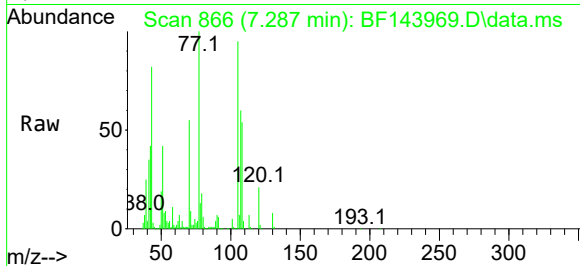
Tgt Ion:117 Resp: 60118
Ion Ratio Lower Upper
117 100
119 94.7 77.8 116.8
201 110.1 88.5 132.7





#19
n-Nitroso-di-n-propylamine
Concen: 16.61 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.029 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

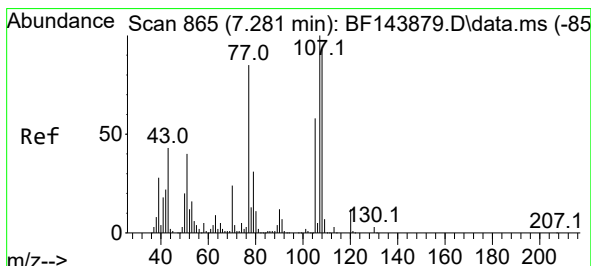
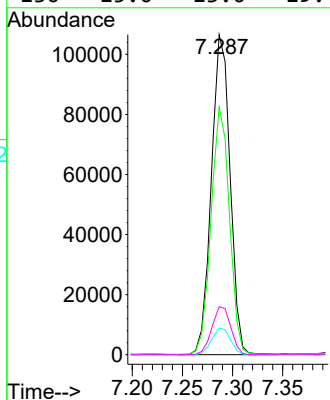
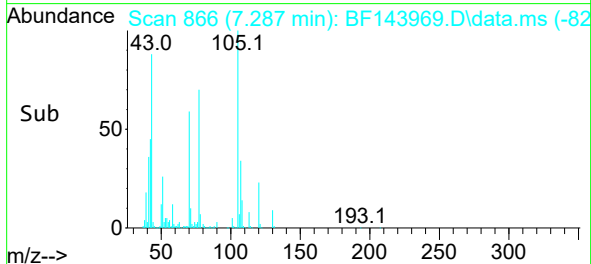
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



Tgt Ion: 70 Resp: 138324
Ion Ratio Lower Upper
70 100
42 77.4 62.8 94.2
101 8.3 6.7 10.1
130 15.0 13.0 19.4

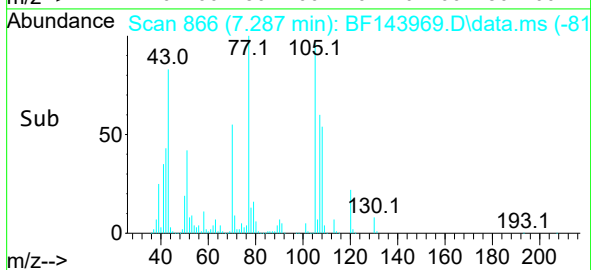
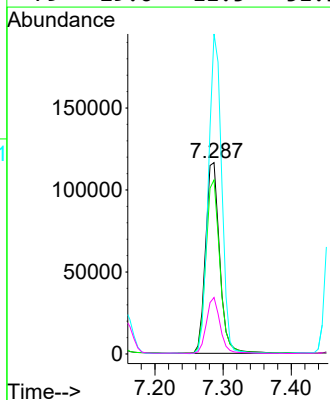
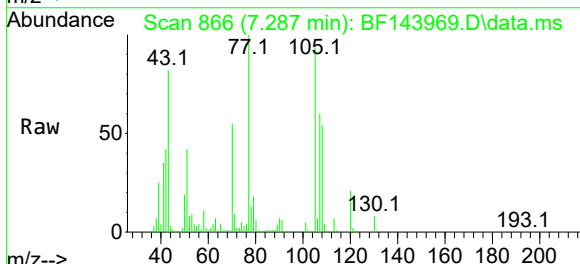
Manual Integrations
APPROVED

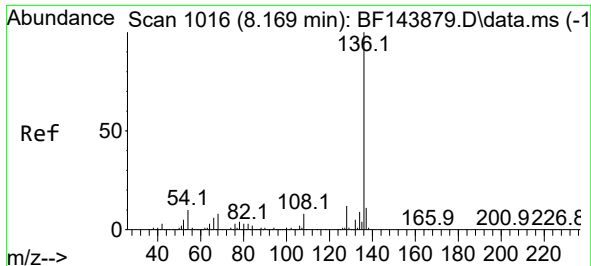
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#20
3+4-Methylphenols
Concen: 17.60 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

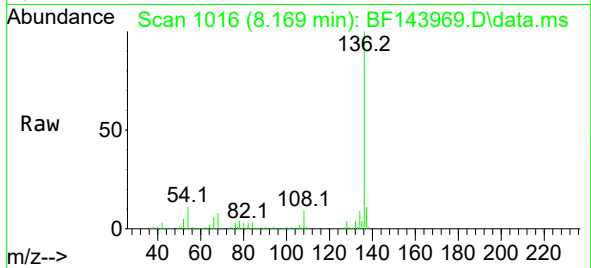
Tgt Ion:107 Resp: 168137
Ion Ratio Lower Upper
107 100
108 91.0 73.0 113.0
77 167.3 64.6 104.6#
79 29.6 11.5 51.5





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

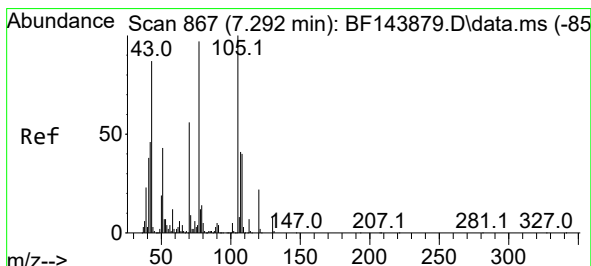
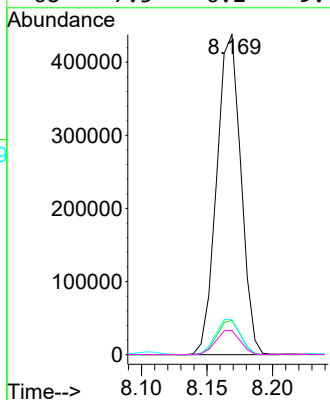
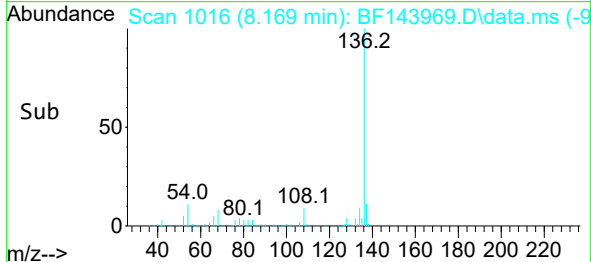
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



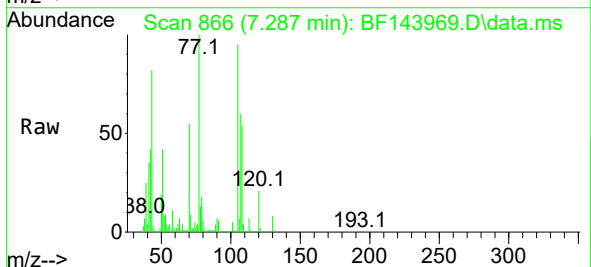
Tgt Ion:136 Resp: 56260
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 10.9 8.2 12.4
68 7.5 6.2 9.4

Manual Integrations
APPROVED

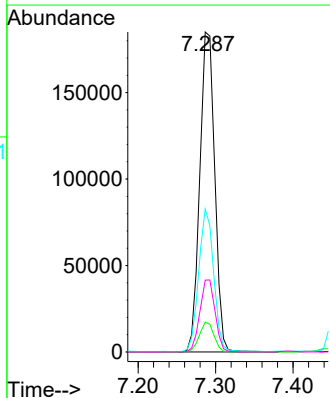
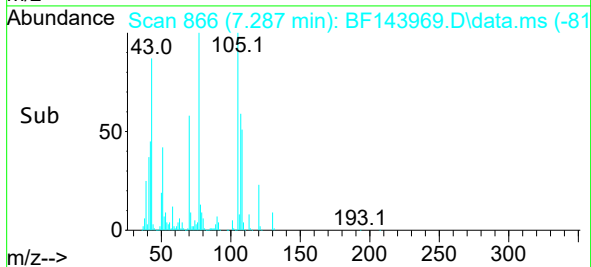
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

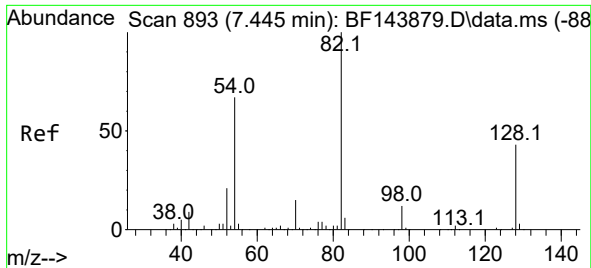


#22
Acetophenone
Concen: 20.95 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.017 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18



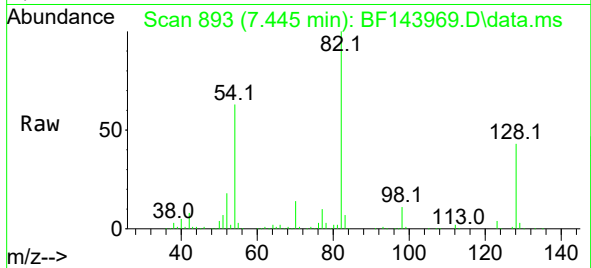
Tgt Ion:105 Resp: 249193
Ion Ratio Lower Upper
105 100
71 9.3 7.4 11.0
51 44.7 34.2 51.4
120 22.5 17.7 26.5





#23
Nitrobenzene-d5
Concen: 26.44 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

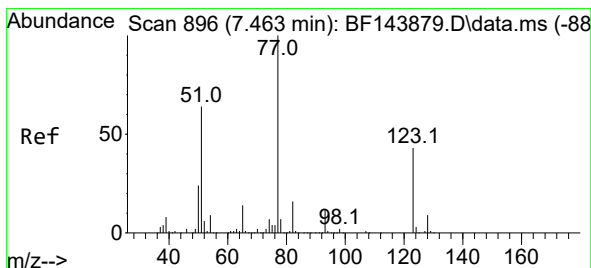
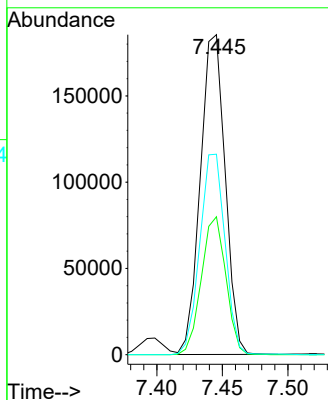
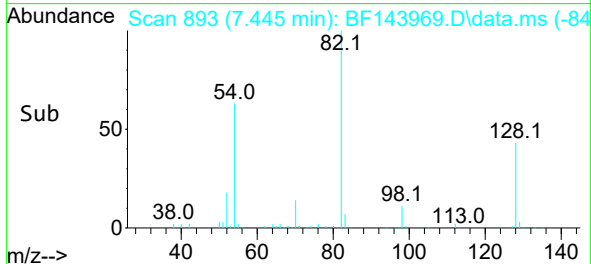
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



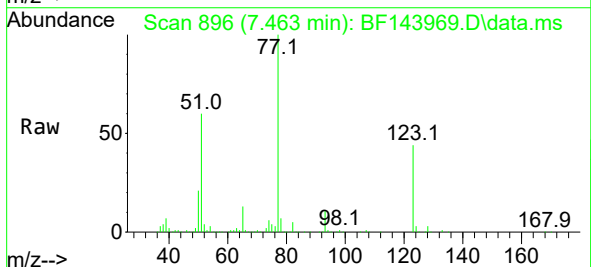
Tgt Ion: 82 Resp: 244828
Ion Ratio Lower Upper
82 100
128 43.1 34.0 51.0
54 62.7 53.2 79.8

Manual Integrations
APPROVED

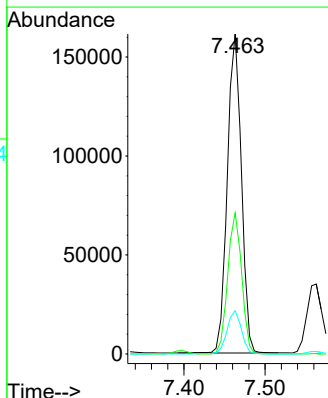
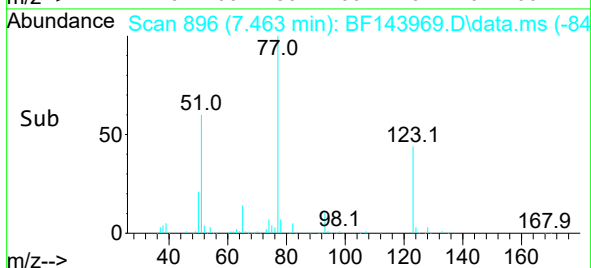
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

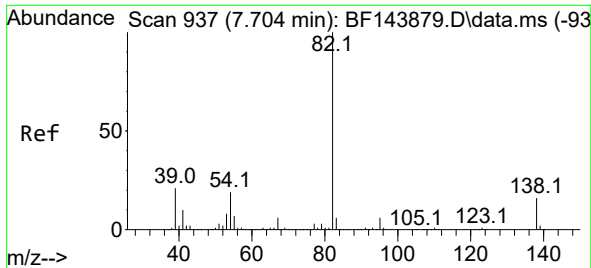


#24
Nitrobenzene
Concen: 18.85 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18



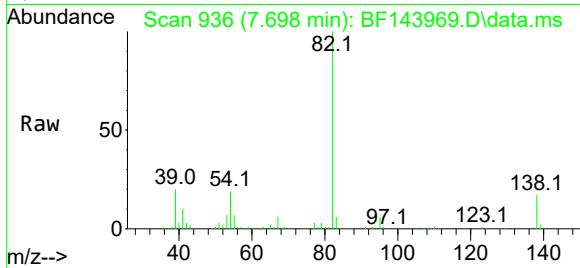
Tgt Ion: 77 Resp: 193830
Ion Ratio Lower Upper
77 100
123 44.1 34.2 51.4
65 13.5 11.0 16.6





#25
Isophorone
Concen: 17.67 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.023 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

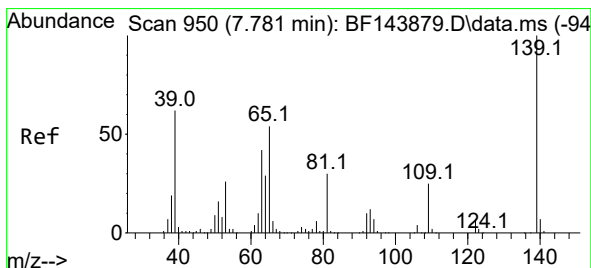
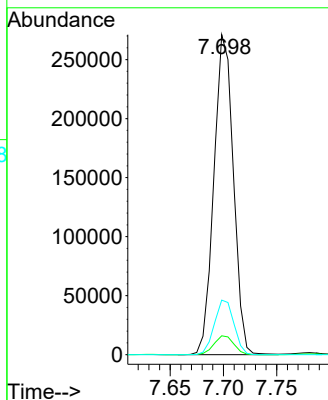
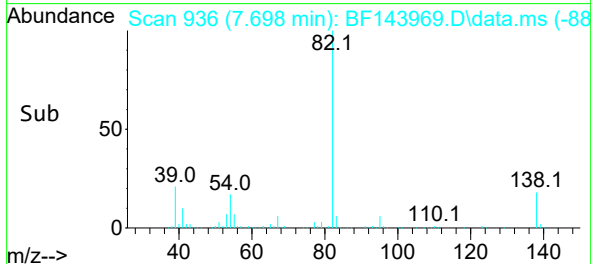
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



Tgt Ion: 82 Resp: 345058
Ion Ratio Lower Upper
82 100
95 5.9 5.1 7.7
138 17.1 12.9 19.3

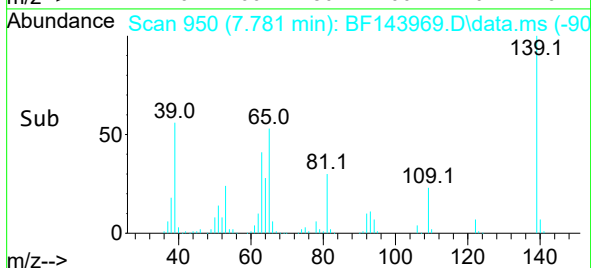
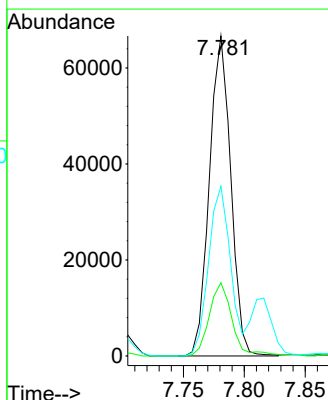
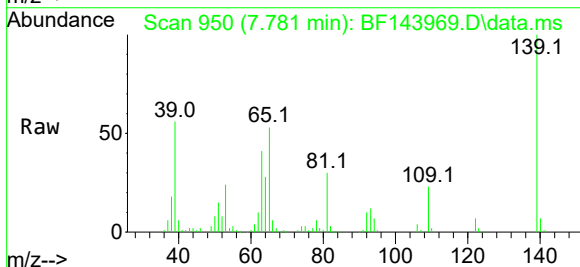
Manual Integrations
APPROVED

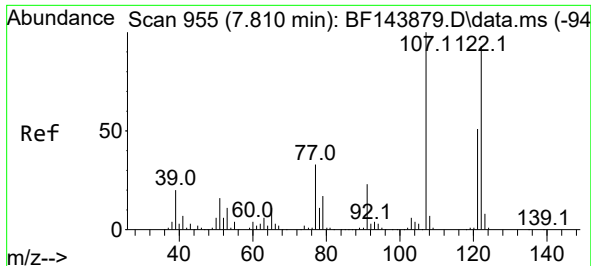
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#26
2-Nitrophenol
Concen: 18.52 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

Tgt Ion:139 Resp: 81631
Ion Ratio Lower Upper
139 100
109 22.9 19.8 29.6
65 53.0 42.9 64.3





#27

2,4-Dimethylphenol

Concen: 19.89 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143969.D

Acq: 15 Oct 2025 23:18

Instrument :

BNA_F

ClientSampleId :

LAYDOWN-YARD-1MSD

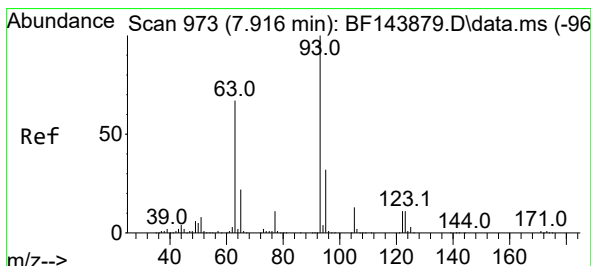
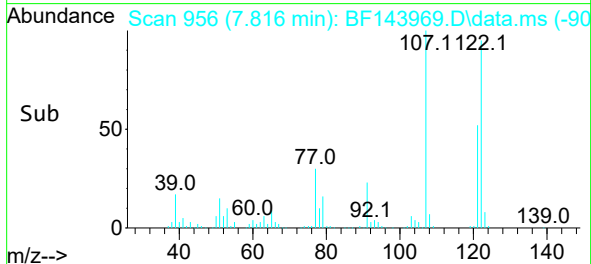
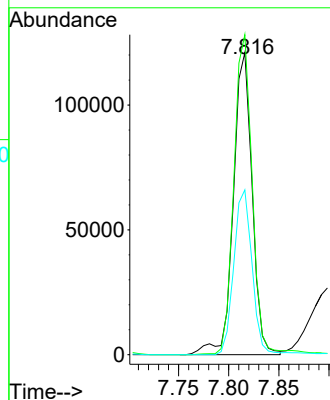
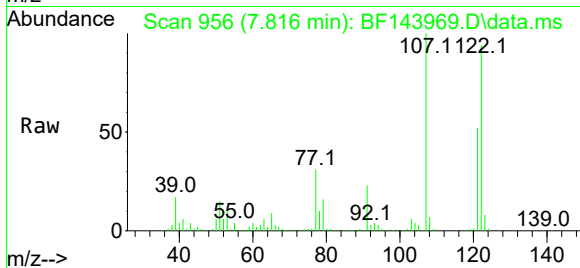
Tgt Ion:122 Resp: 15774
 Ion Ratio Lower Upper
 122 100
 107 105.9 86.1 129.1
 121 54.5 43.8 65.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/16/2025

Supervised By :Jagrut Upadhyay 10/16/2025



#28

bis(2-Chloroethoxy)methane

Concen: 18.41 ng

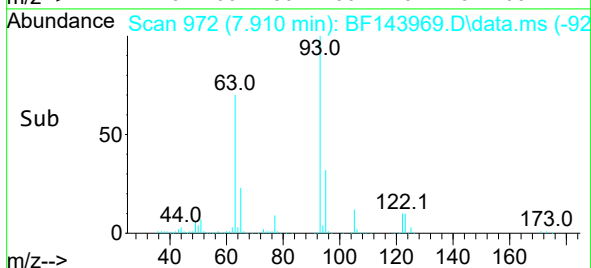
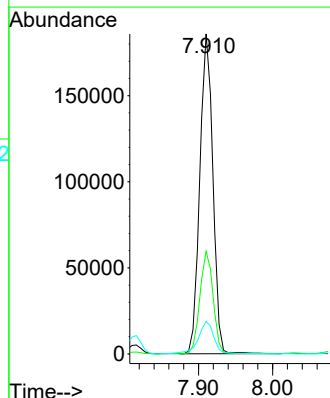
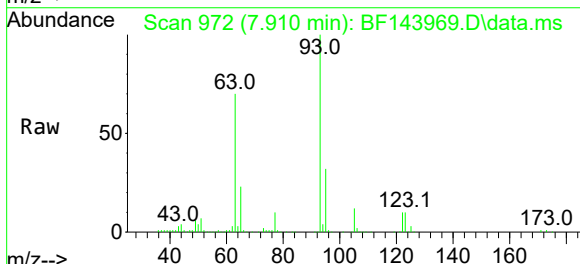
RT: 7.910 min Scan# 972

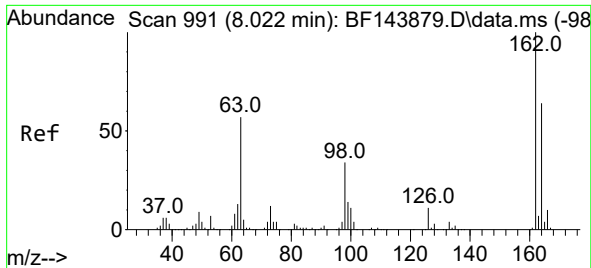
Delta R.T. -0.012 min

Lab File: BF143969.D

Acq: 15 Oct 2025 23:18

Tgt Ion: 93 Resp: 227016
 Ion Ratio Lower Upper
 93 100
 95 32.1 25.9 38.9
 123 10.2 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 17.01 ng

RT: 8.022 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF143969.D

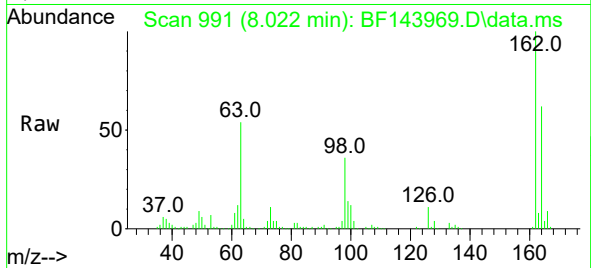
Acq: 15 Oct 2025 23:18

Instrument :

BNA_F

ClientSampleId :

LAYDOWN-YARD-1MSD



Tgt Ion:162 Resp: 140529

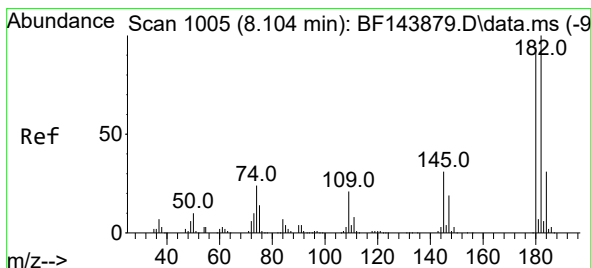
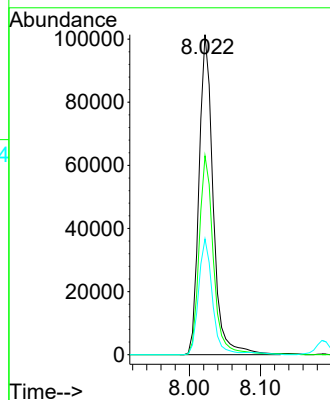
Ion	Ratio	Lower	Upper
162	100		
164	62.1	43.9	83.9
98	36.2	14.4	54.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/16/2025

Supervised By :Jagrut Upadhyay 10/16/2025



#30

1,2,4-Trichlorobenzene

Concen: 18.24 ng

RT: 8.104 min Scan# 1005

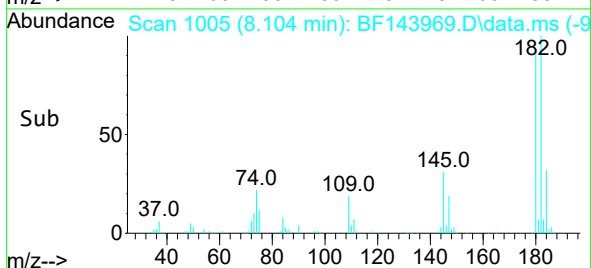
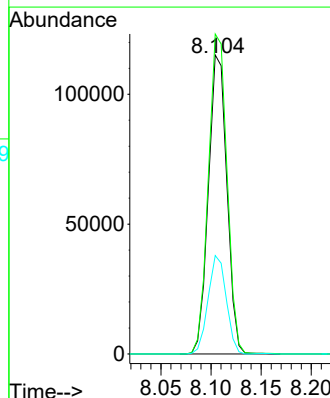
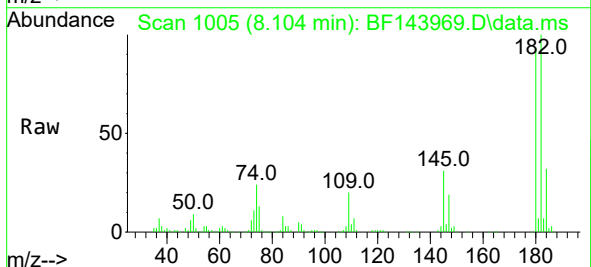
Delta R.T. -0.006 min

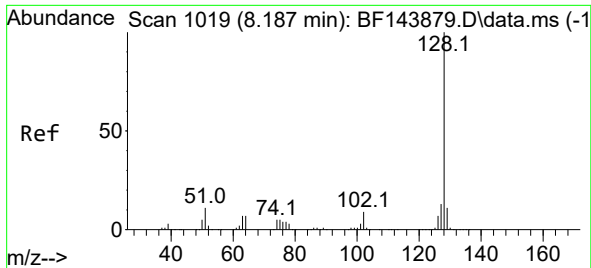
Lab File: BF143969.D

Acq: 15 Oct 2025 23:18

Tgt Ion:180 Resp: 148162

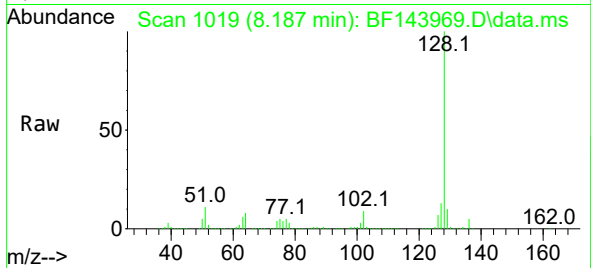
Ion	Ratio	Lower	Upper
180	100		
182	107.0	85.4	128.0
145	32.9	26.3	39.5





#31
Naphthalene
Concen: 17.79 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

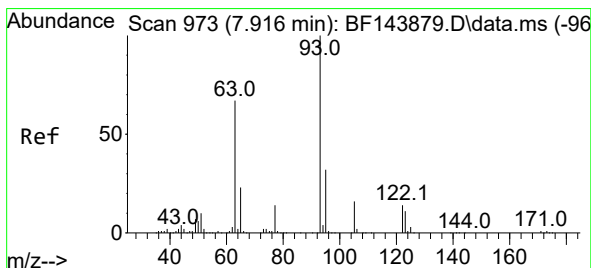
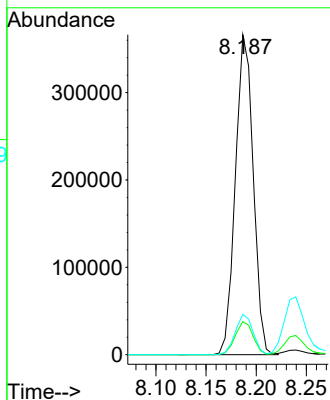
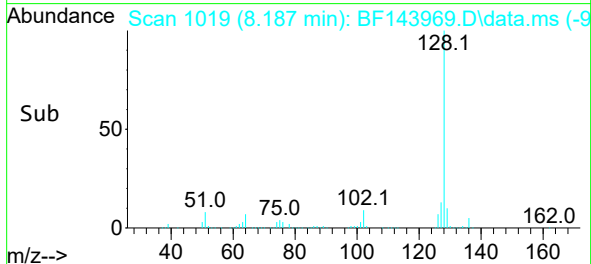
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



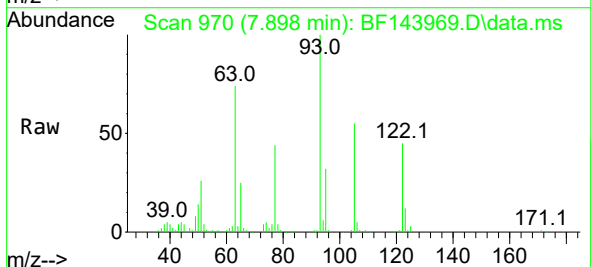
Tgt Ion:128 Resp: 455184
Ion Ratio Lower Upper
128 100
129 10.4 8.7 13.1
127 12.6 10.0 15.0

Manual Integrations
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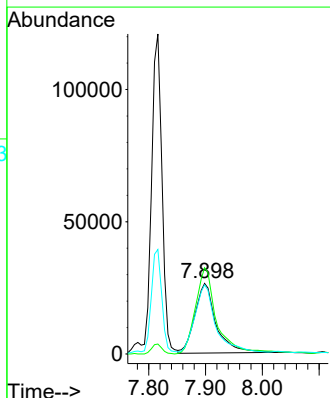
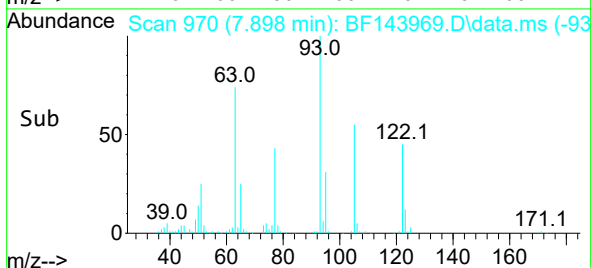
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

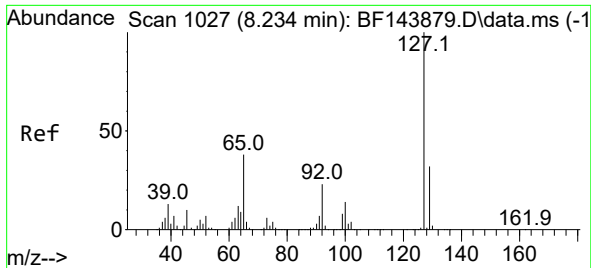


#32
Benzoic acid
Concen: 12.57 ng
RT: 7.898 min Scan# 970
Delta R.T. -0.064 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18



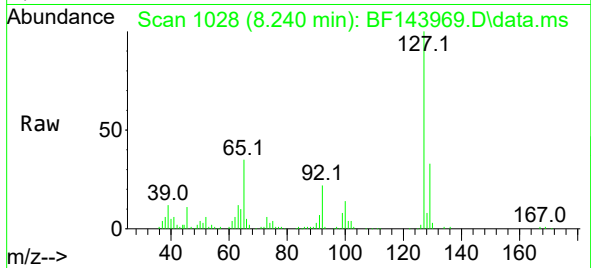
Tgt Ion:122 Resp: 68983
Ion Ratio Lower Upper
122 100
105 122.1 93.5 133.5
77 97.9 76.3 116.3





#33
4-Chloroaniline
Concen: 10.80 ng
RT: 8.240 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

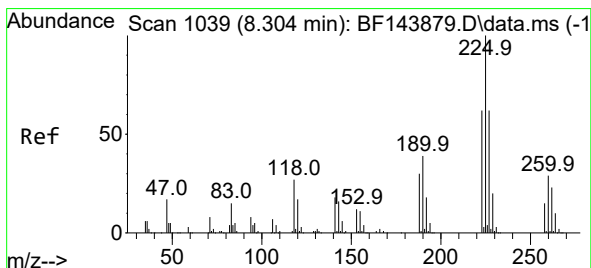
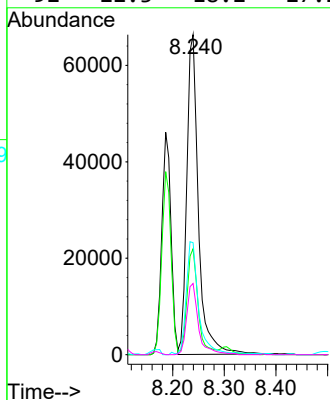
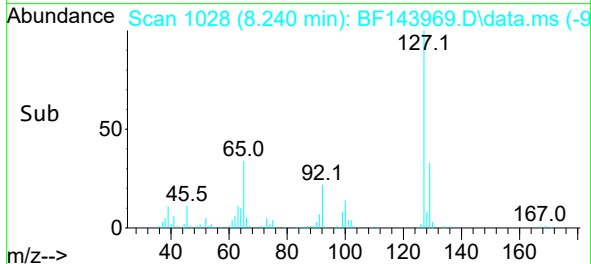
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



Tgt Ion:127 Resp: 103624
Ion Ratio Lower Upper
127 100
129 33.1 25.8 38.8
65 35.0 30.0 45.0
92 22.3 18.2 27.2

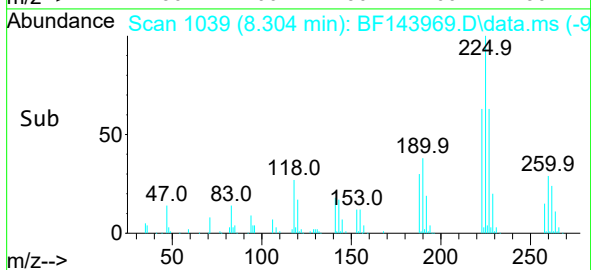
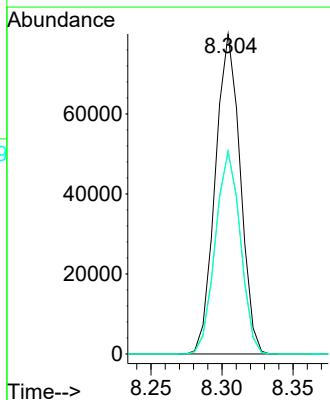
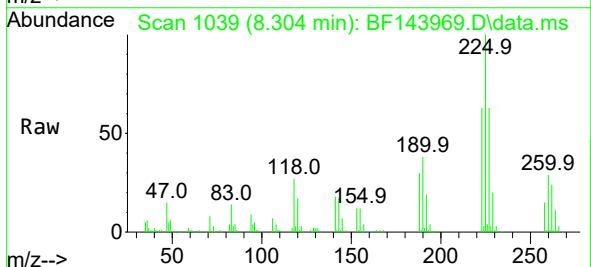
Manual Integrations
APPROVED

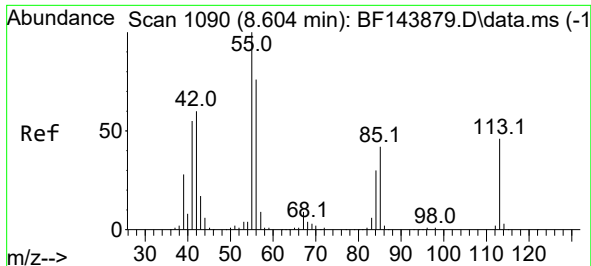
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#34
Hexachlorobutadiene
Concen: 17.25 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

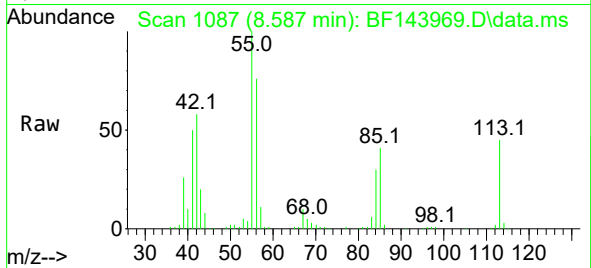
Tgt Ion:225 Resp: 97396
Ion Ratio Lower Upper
225 100
223 63.3 49.4 74.2
227 63.4 49.7 74.5





#35
Caprolactam
Concen: 15.12 ng
RT: 8.587 min Scan# 1090
Delta R.T. -0.059 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

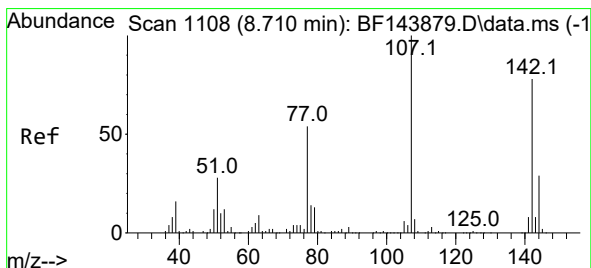
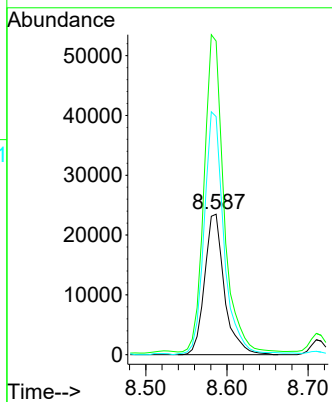
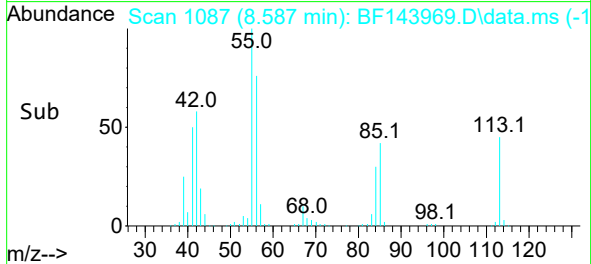
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



Tgt Ion:113 Resp: 39704
Ion Ratio Lower Upper
113 100
55 223.2 199.6 239.6
56 169.4 146.0 186.0

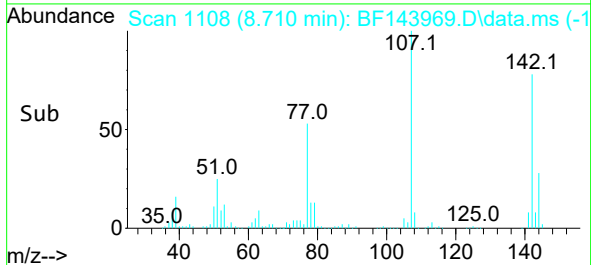
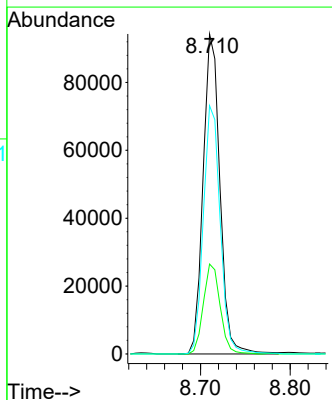
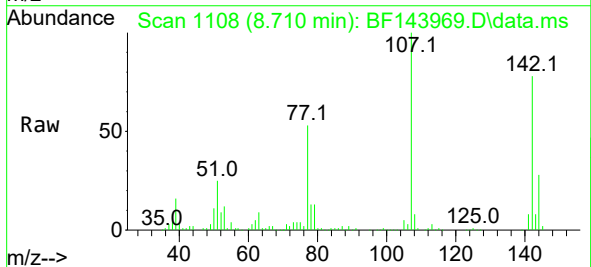
Manual Integrations
APPROVED

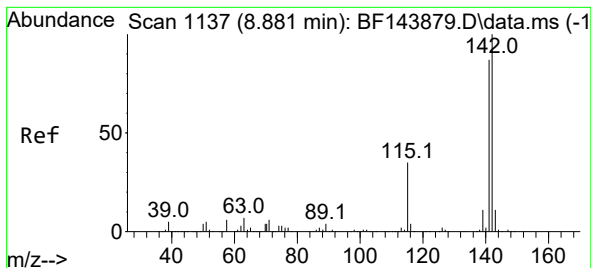
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#36
4-Chloro-3-methylphenol
Concen: 15.47 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

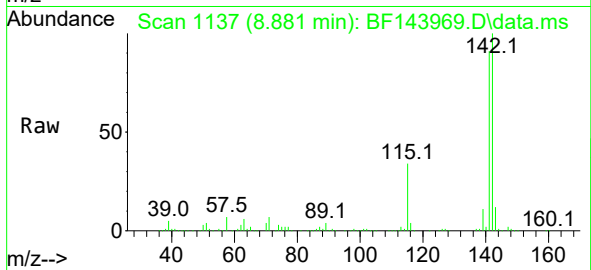
Tgt Ion:107 Resp: 122801
Ion Ratio Lower Upper
107 100
144 28.1 23.1 34.7
142 77.6 62.6 94.0





#37
2-Methylnaphthalene
Concen: 14.99 ng
RT: 8.881 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

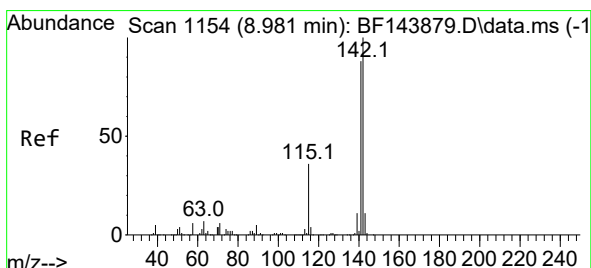
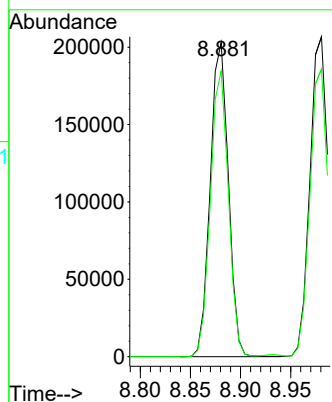
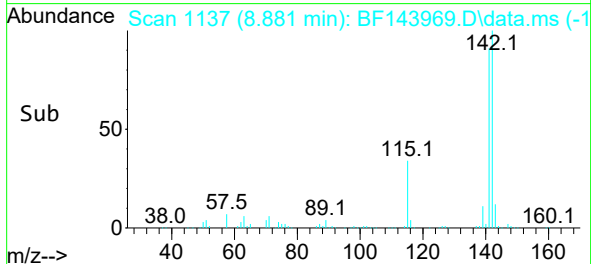
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



Tgt Ion:142 Resp: 25546
Ion Ratio Lower Upper
142 100
141 91.0 69.2 103.8

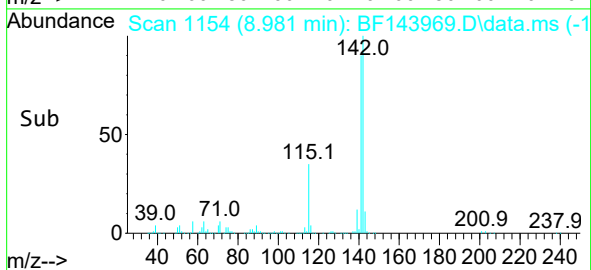
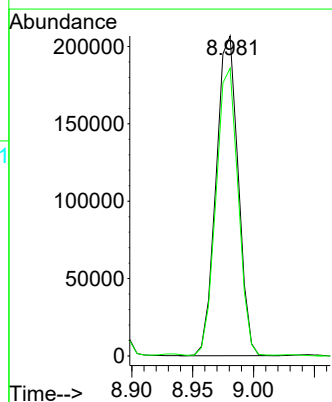
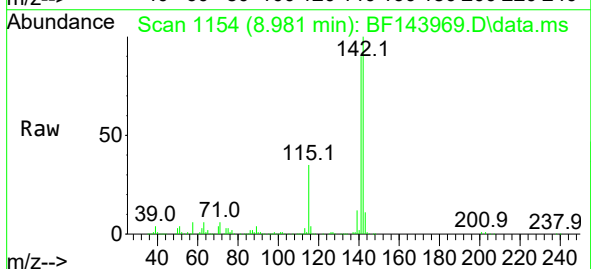
Manual Integrations
APPROVED

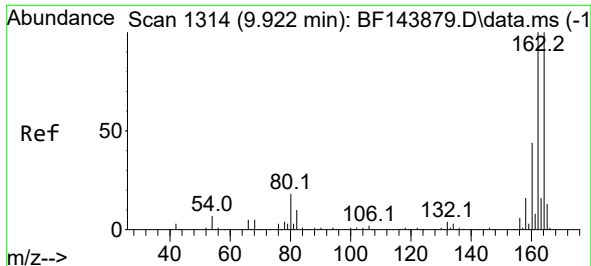
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#38
1-Methylnaphthalene
Concen: 15.78 ng
RT: 8.981 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

Tgt Ion:142 Resp: 261011
Ion Ratio Lower Upper
142 100
141 89.9 70.8 106.2





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.928 min Scan# 1115

Delta R.T. 0.001 min

Lab File: BF143969.D

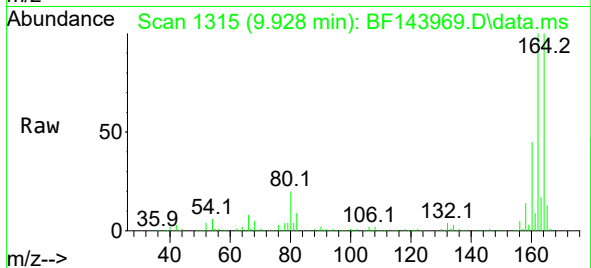
Acq: 15 Oct 2025 23:18

Instrument :

BNA_F

ClientSampleId :

LAYDOWN-YARD-1MSD



Tgt Ion:164 Resp: 257454

Ion Ratio Lower Upper

164 100

162 99.5 80.2 120.2

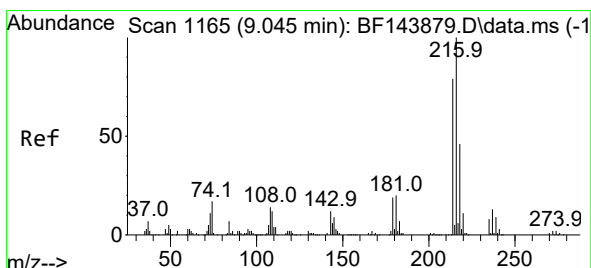
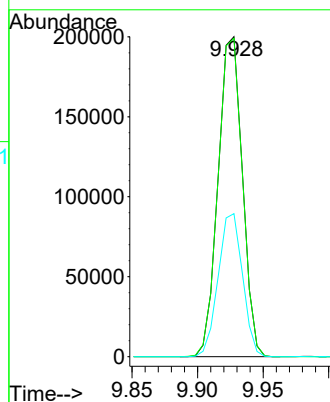
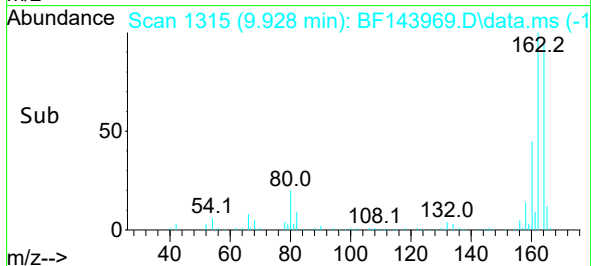
160 44.7 35.4 53.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/16/2025

Supervised By :Jagrut Upadhyay 10/16/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 21.44 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF143969.D

Acq: 15 Oct 2025 23:18

Tgt Ion:216 Resp: 152533

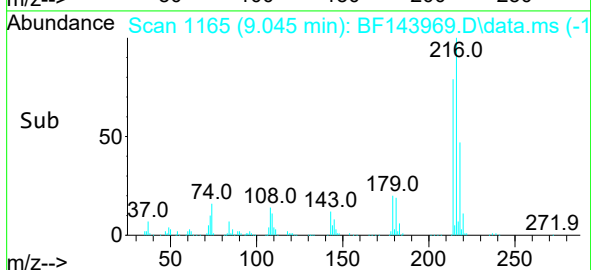
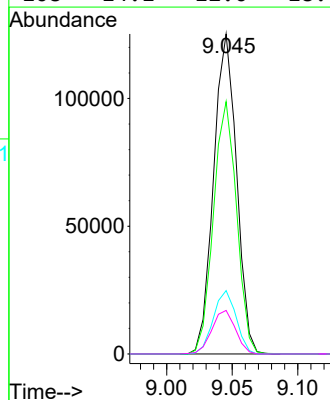
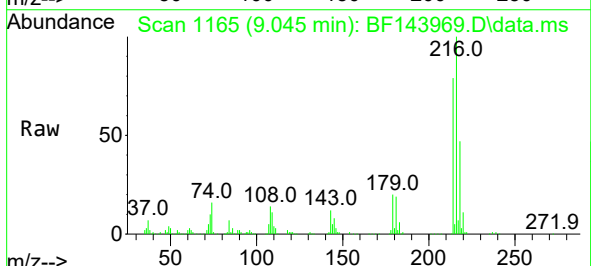
Ion Ratio Lower Upper

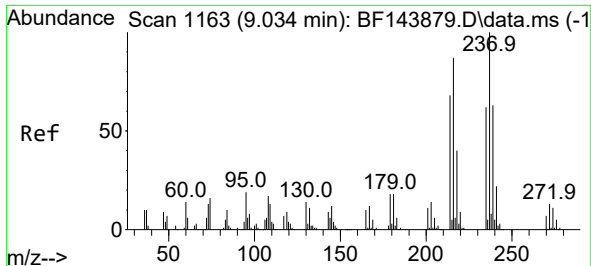
216 100

214 79.3 62.6 94.0

179 19.7 15.4 23.0

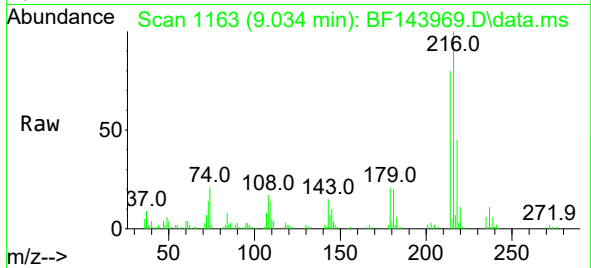
108 14.1 12.0 18.0





#41
Hexachlorocyclopentadiene
Concen: 2.30 ng
RT: 9.034 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

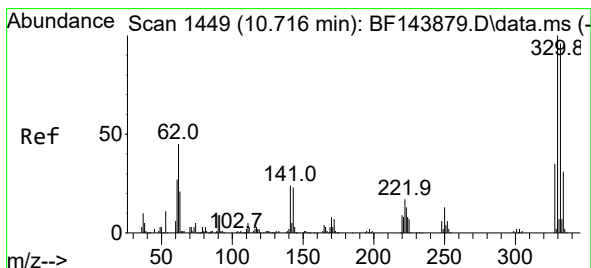
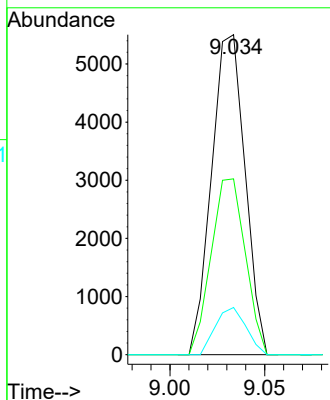
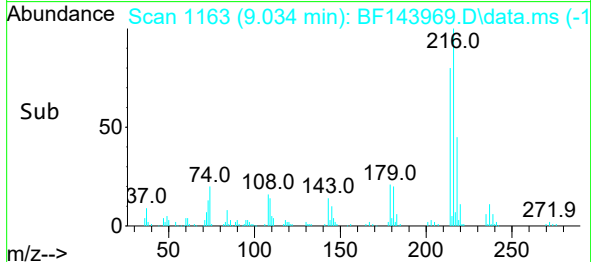
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



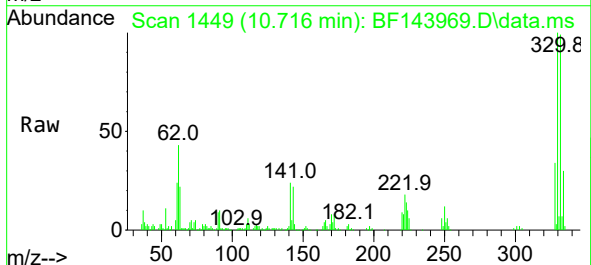
Tgt Ion: 237 Resp: 6770
Ion Ratio Lower Upper
237 100
235 54.9 42.3 82.3
272 14.8 0.0 33.1

Manual Integrations
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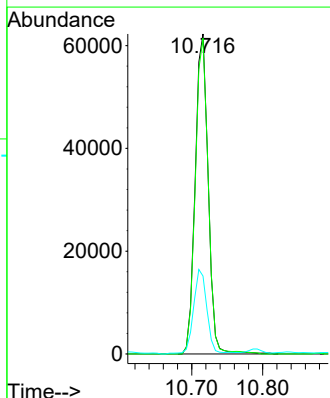
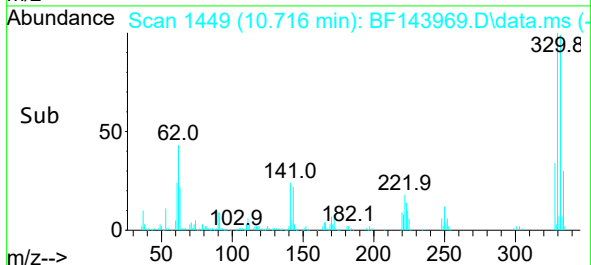
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

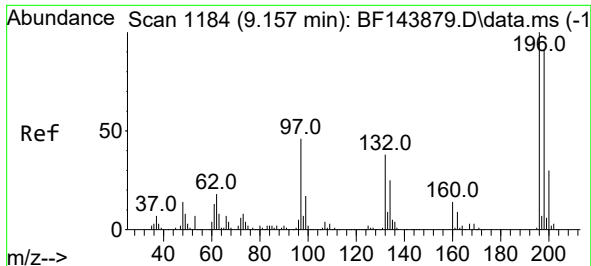


#42
2,4,6-Tribromophenol
Concen: 30.84 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18



Tgt Ion: 330 Resp: 79071
Ion Ratio Lower Upper
330 100
332 98.5 76.9 115.3
141 27.6 20.2 30.4





#43

2,4,6-Trichlorophenol

Concen: 18.02 ng

RT: 9.157 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF143969.D

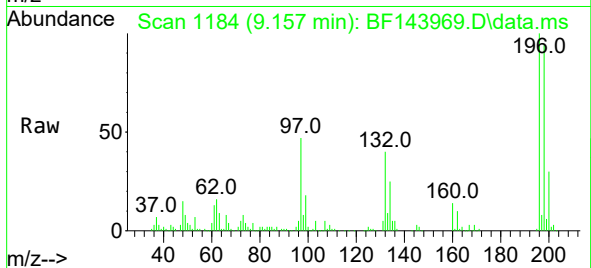
Acq: 15 Oct 2025 23:18

Instrument :

BNA_F

ClientSampleId :

LAYDOWN-YARD-1MSD



Tgt Ion:196 Resp: 93674

Ion Ratio Lower Upper

196 100

198 94.2 72.8 109.2

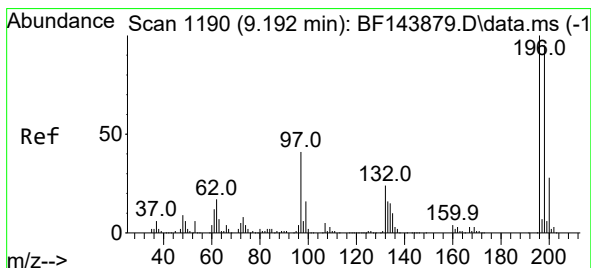
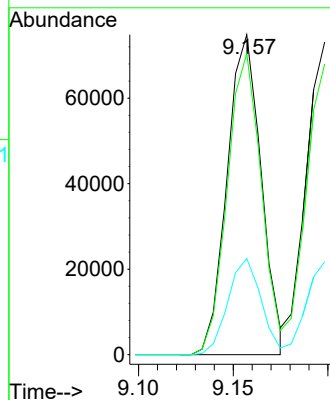
200 30.0 24.0 36.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/16/2025

Supervised By :Jagrut Upadhyay 10/16/2025



#44

2,4,5-Trichlorophenol

Concen: 17.38 ng

RT: 9.198 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF143969.D

Acq: 15 Oct 2025 23:18

Tgt Ion:196 Resp: 95472

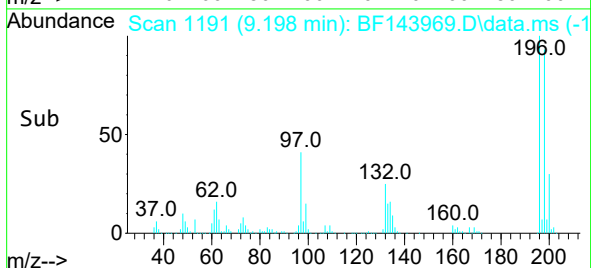
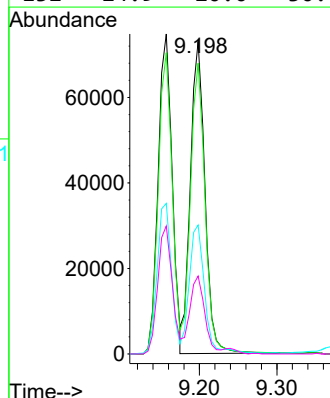
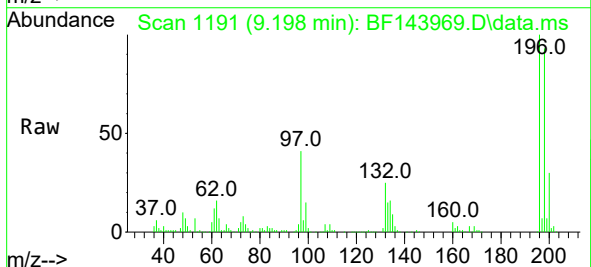
Ion Ratio Lower Upper

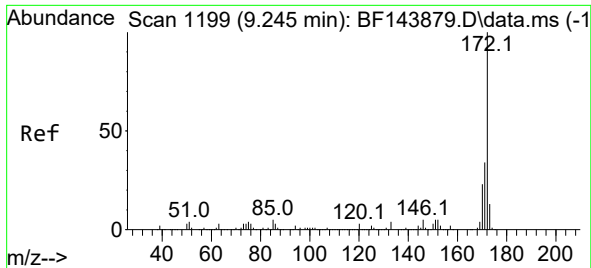
196 100

198 93.0 75.5 113.3

97 41.3 33.9 50.9

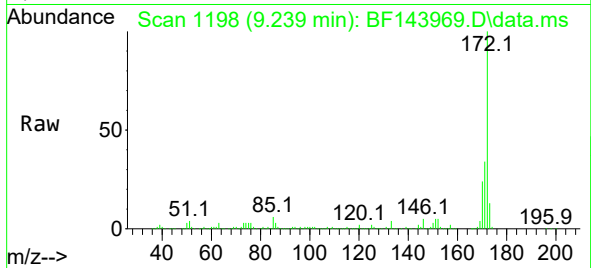
132 24.9 20.0 30.0





#45
2-Fluorobiphenyl
Concen: 26.36 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

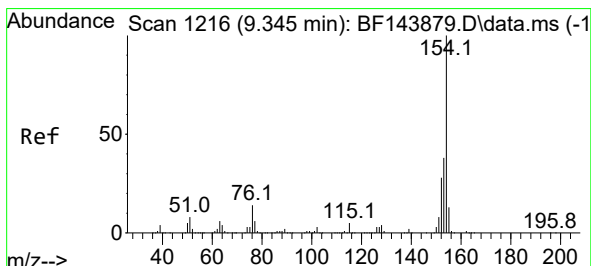
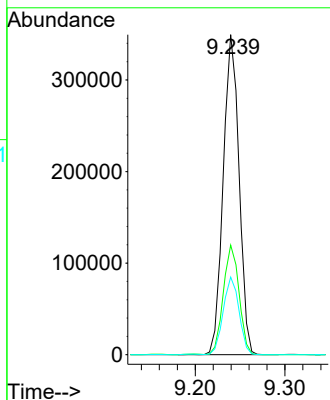
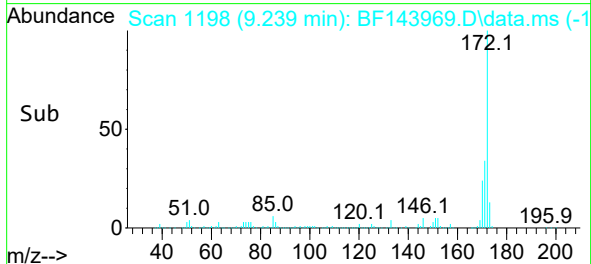
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



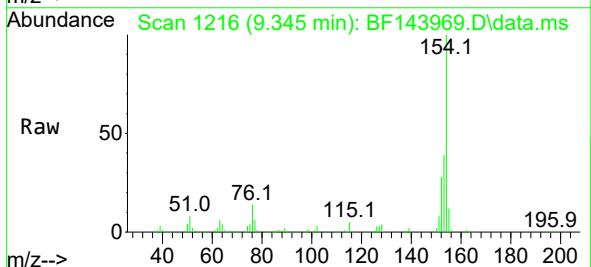
Tgt Ion:172 Resp: 42774
Ion Ratio Lower Upper
172 100
171 34.3 27.4 41.0
170 24.3 18.6 28.0

Manual Integrations
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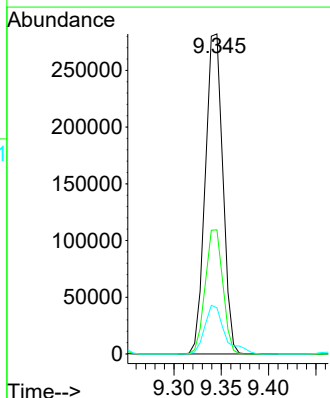
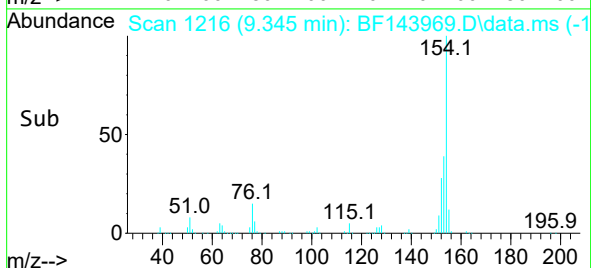
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

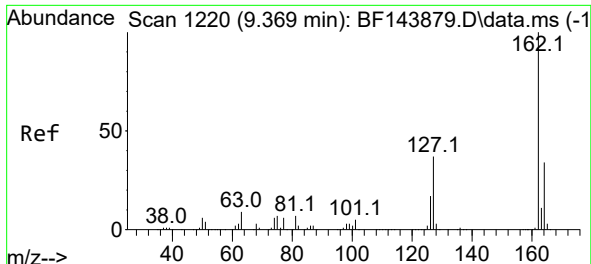


#46
1,1'-Biphenyl
Concen: 21.25 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18



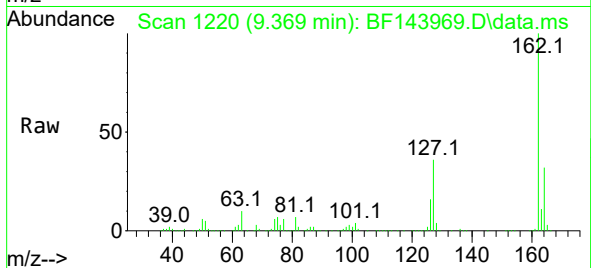
Tgt Ion:154 Resp: 362273
Ion Ratio Lower Upper
154 100
153 38.8 18.4 58.4
76 14.5 0.0 34.0





#47
2-Chloronaphthalene
Concen: 18.80 ng
RT: 9.369 min Scan# 1220
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

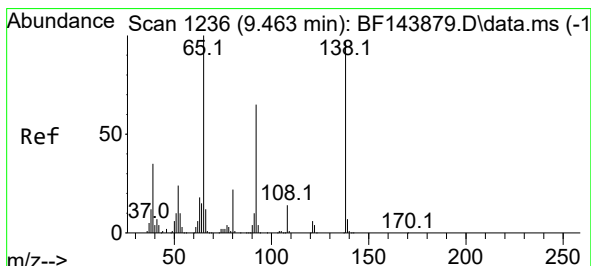
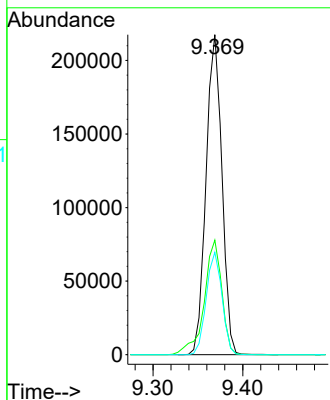
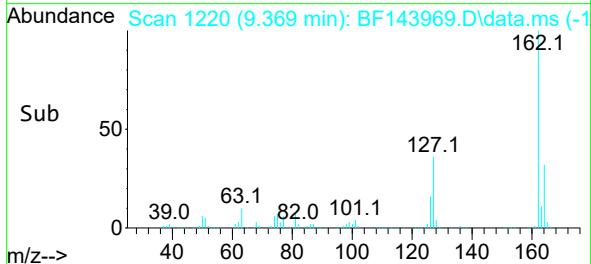
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



Tgt Ion:162 Resp: 267220
Ion Ratio Lower Upper
162 100
127 35.8 30.2 45.2
164 32.0 26.9 40.3

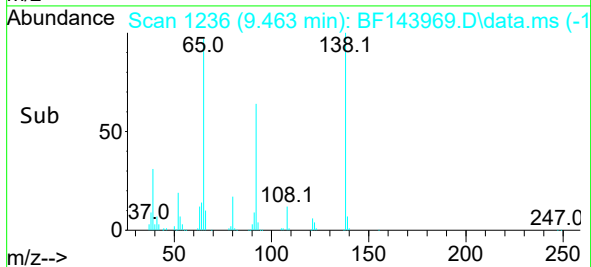
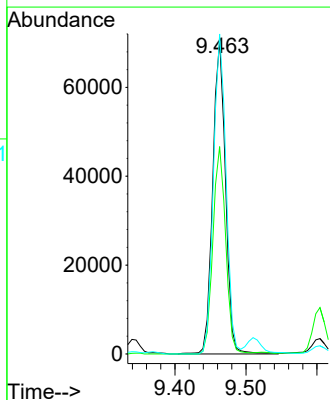
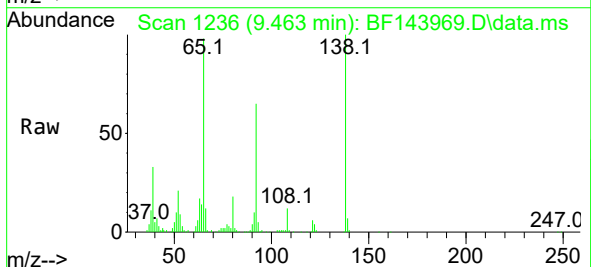
Manual Integrations
APPROVED

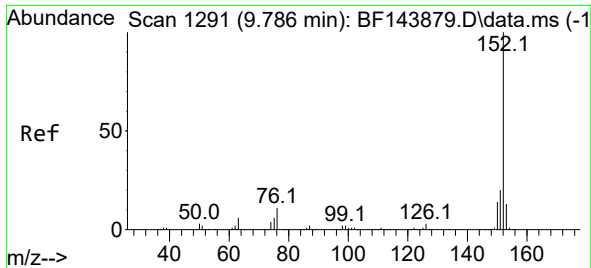
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#48
2-Nitroaniline
Concen: 19.59 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

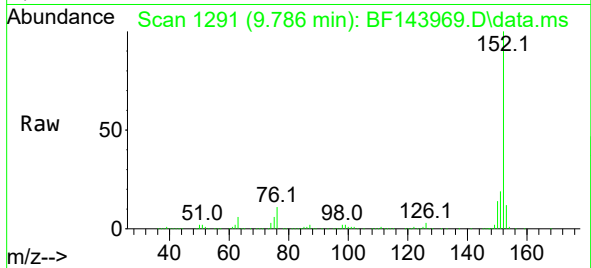
Tgt Ion: 65 Resp: 88022
Ion Ratio Lower Upper
65 100
92 66.2 52.1 78.1
138 102.1 77.4 116.2





#49
Acenaphthylene
Concen: 20.60 ng
RT: 9.786 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

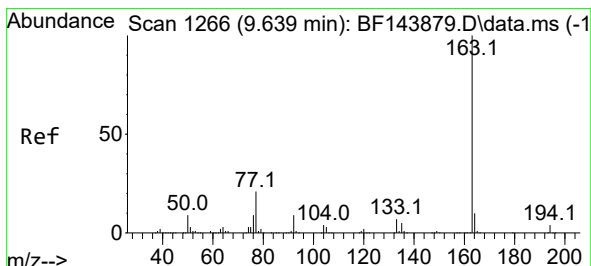
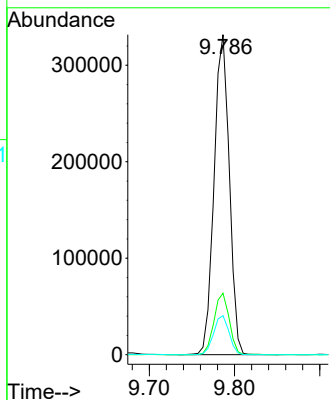
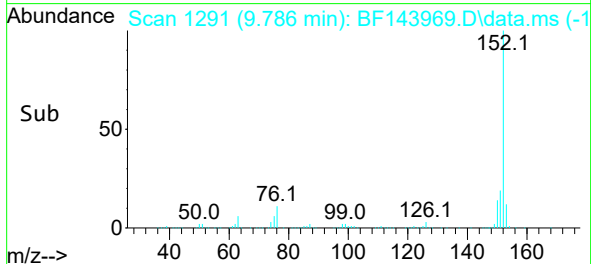
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



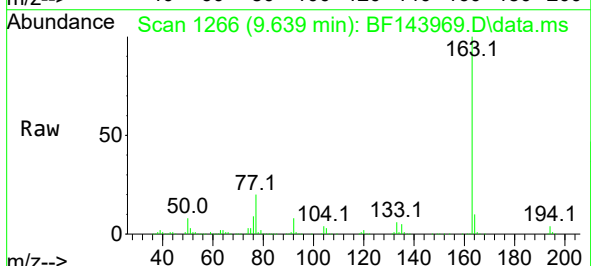
Tgt Ion:152 Resp: 41166
Ion Ratio Lower Upper
152 100
151 19.2 15.8 23.6
153 12.2 10.5 15.7

Manual Integrations
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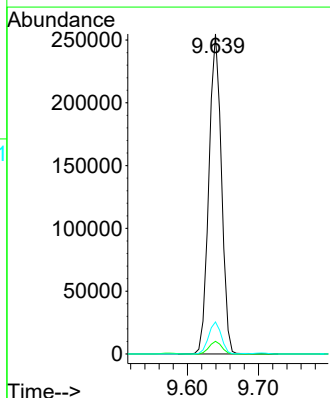
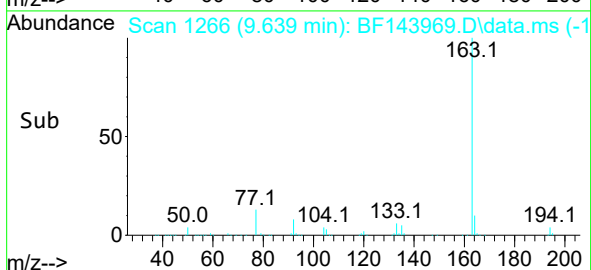
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

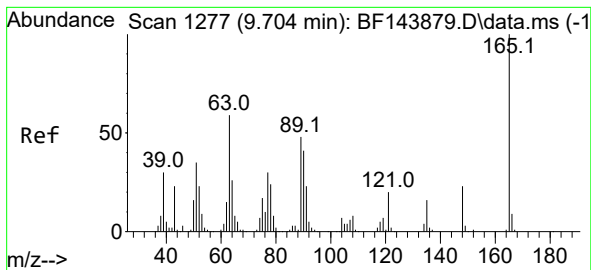


#50
Dimethylphthalate
Concen: 19.14 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18



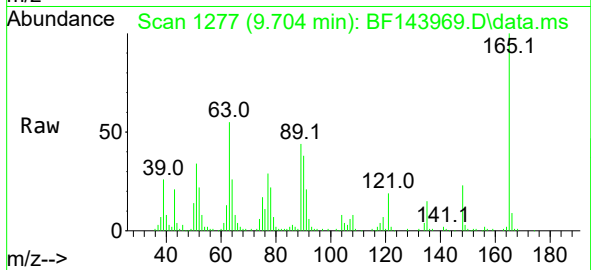
Tgt Ion:163 Resp: 312952
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.0 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 19.76 ng
RT: 9.704 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

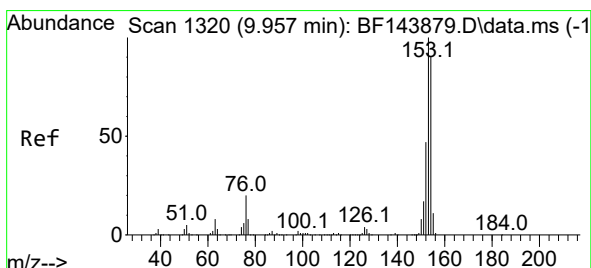
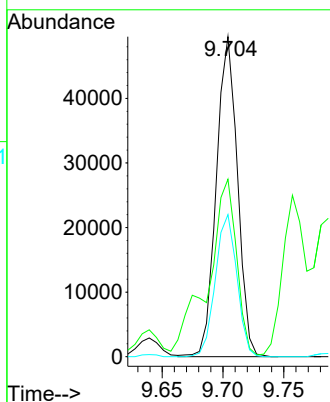
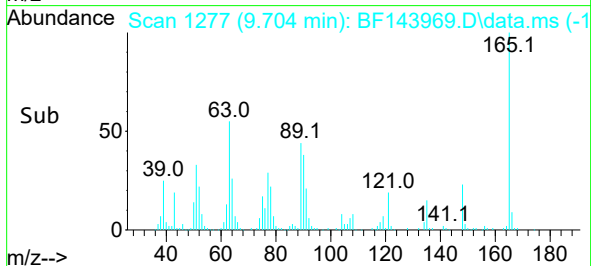
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



Tgt Ion:165 Resp: 59910
Ion Ratio Lower Upper
165 100
63 55.4 47.3 70.9
89 44.4 38.2 57.4

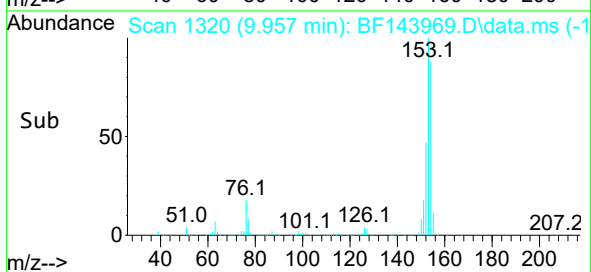
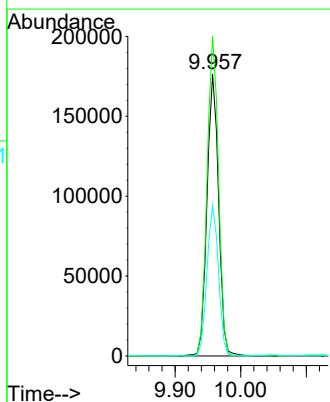
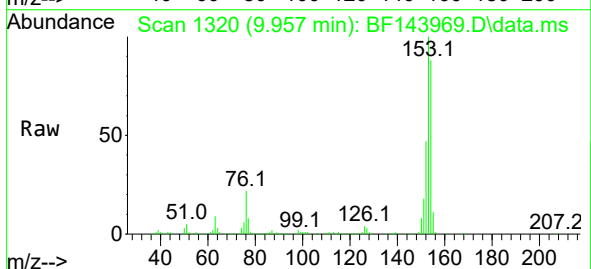
Manual Integrations
APPROVED

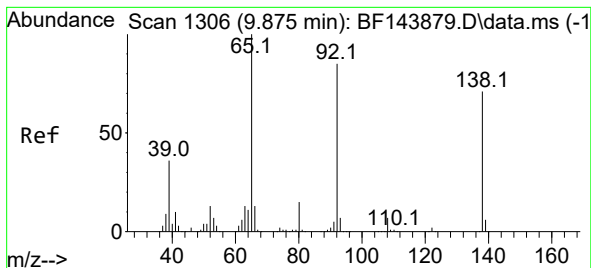
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#52
Acenaphthene
Concen: 16.59 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

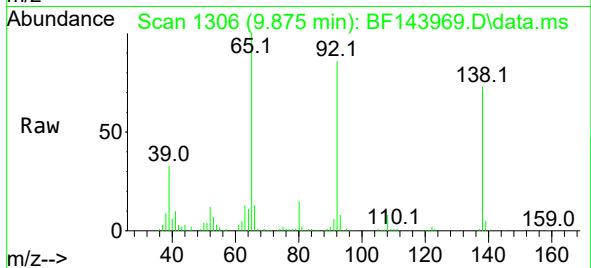
Tgt Ion:154 Resp: 217247
Ion Ratio Lower Upper
154 100
153 113.6 89.3 133.9
152 53.5 42.2 63.2





#53
3-Nitroaniline
Concen: 16.34 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

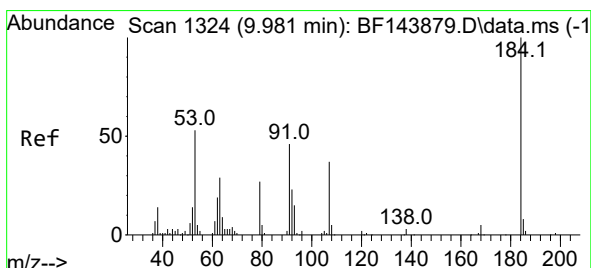
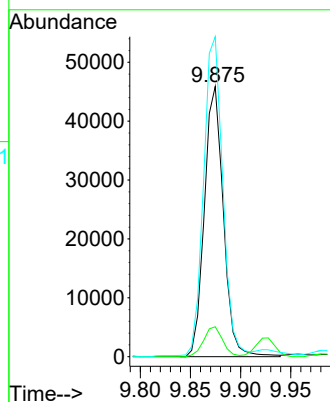
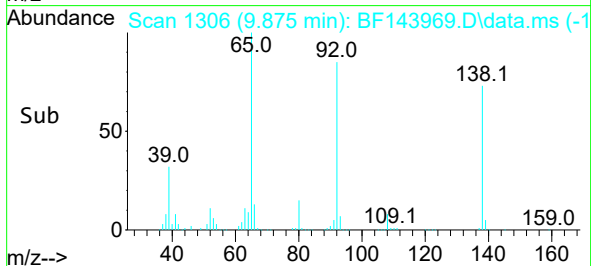
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



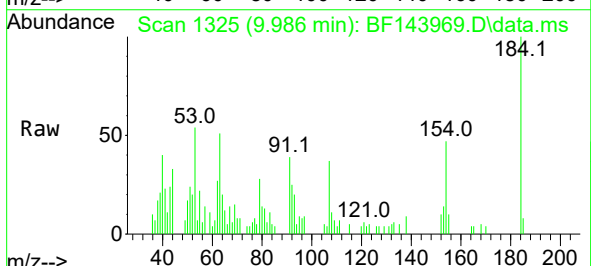
Tgt Ion:138 Resp: 6065
Ion Ratio Lower Upper
138 100
108 11.1 8.3 12.5
92 118.4 96.2 144.2

Manual Integrations
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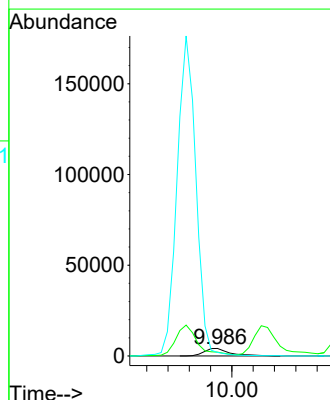
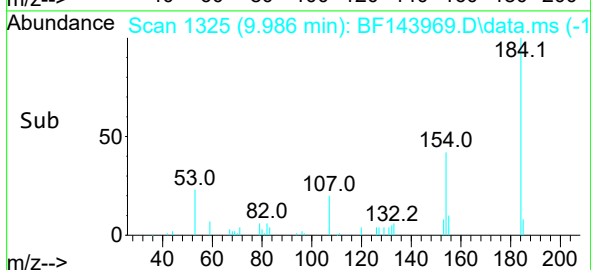
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

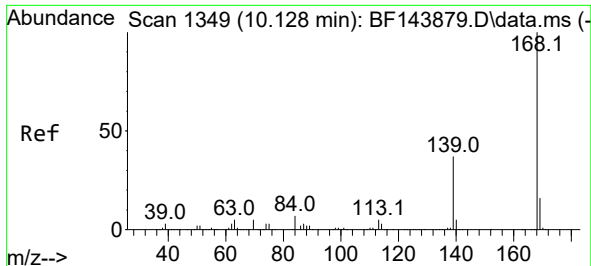


#54
2,4-Dinitrophenol
Concen: 10.34 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18



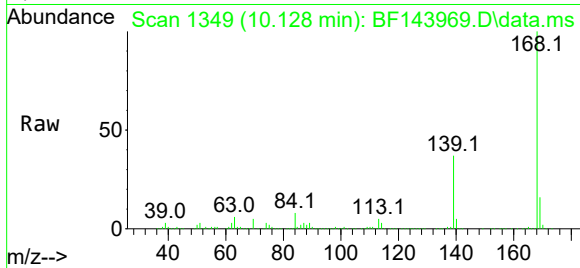
Tgt Ion:184 Resp: 6962
Ion Ratio Lower Upper
184 100
63 51.5 48.2 72.4
154 46.5 49.2 73.8#





#55
Dibenzofuran
Concen: 17.67 ng
RT: 10.128 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

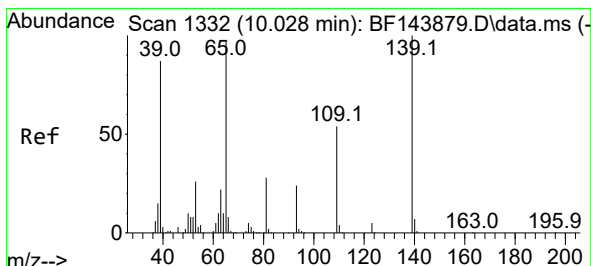
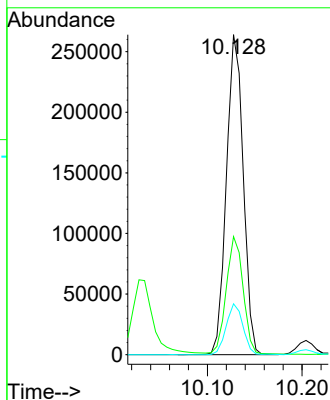
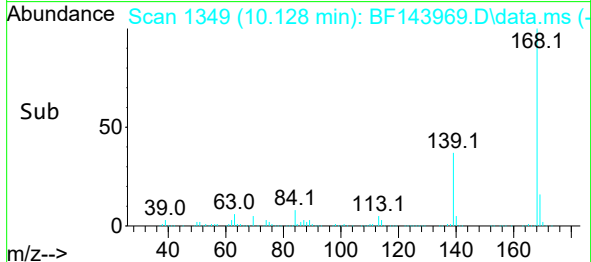
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



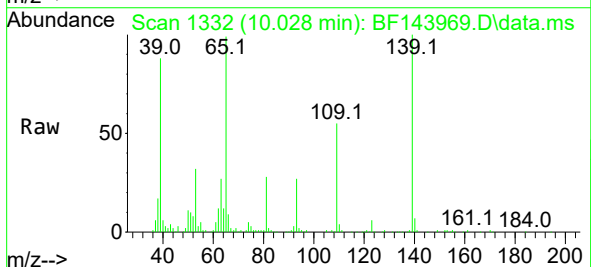
Tgt Ion:168 Resp: 326510
Ion Ratio Lower Upper
168 100
139 36.9 29.8 44.8
169 15.9 12.8 19.2

Manual Integrations
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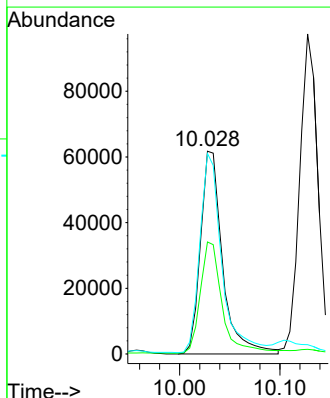
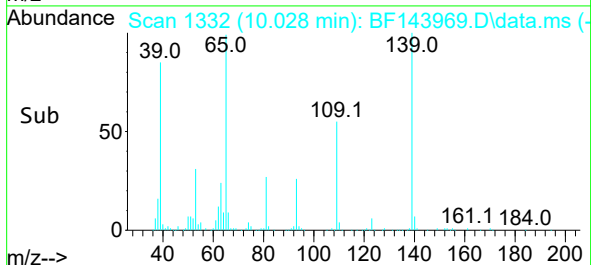
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

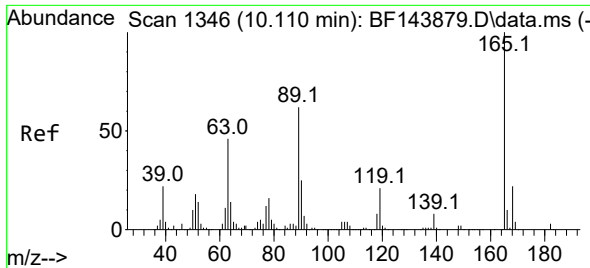


#56
4-Nitrophenol
Concen: 33.78 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.011 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18



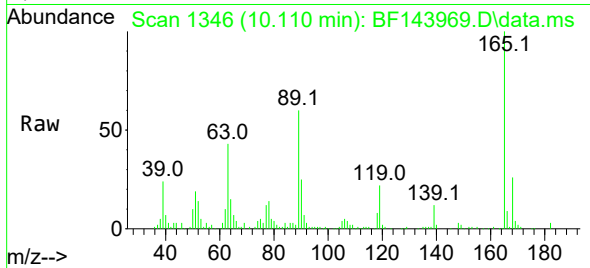
Tgt Ion:139 Resp: 94945
Ion Ratio Lower Upper
139 100
109 55.2 34.5 74.5
65 98.9 77.6 117.6





#57
2,4-Dinitrotoluene
Concen: 18.24 ng
RT: 10.110 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

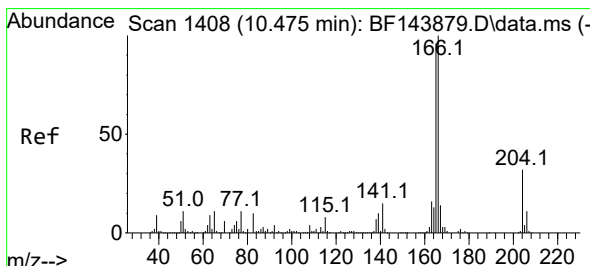
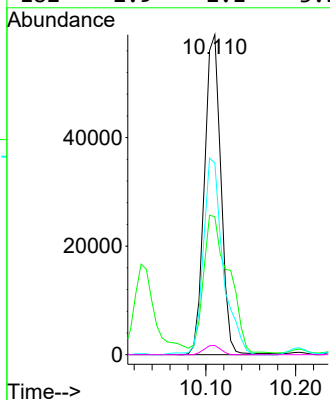
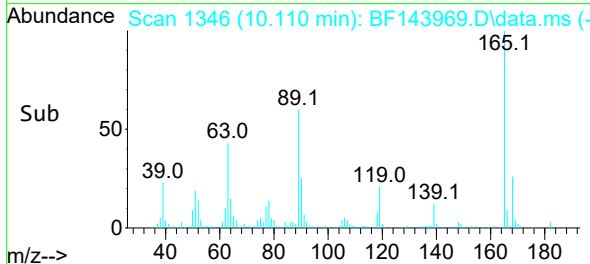
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



Tgt Ion:165 Resp: 75260
Ion Ratio Lower Upper
165 100
63 43.1 37.2 55.8
89 59.9 49.4 74.2
182 2.9 2.1 3.1

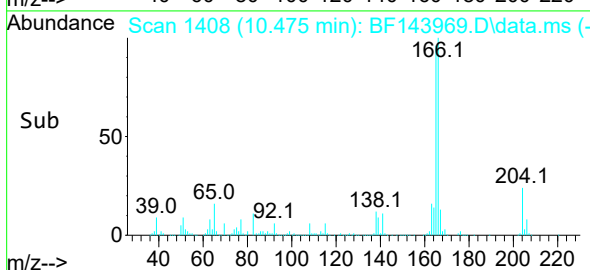
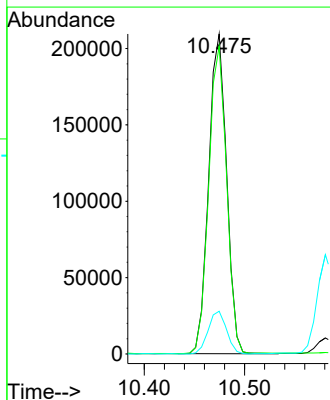
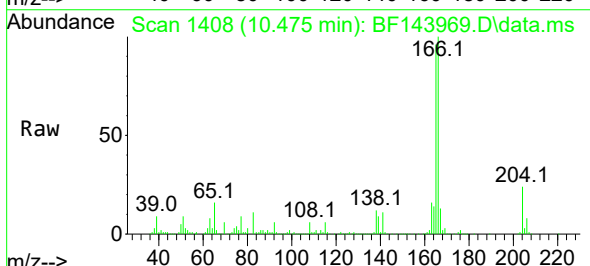
Manual Integrations
APPROVED

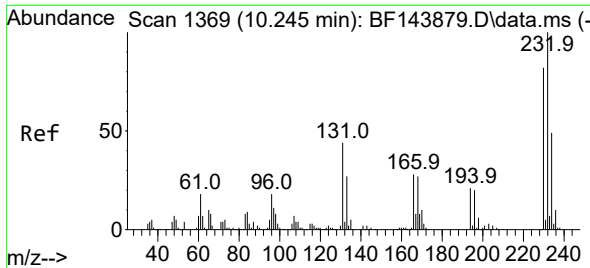
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#58
Fluorene
Concen: 18.66 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

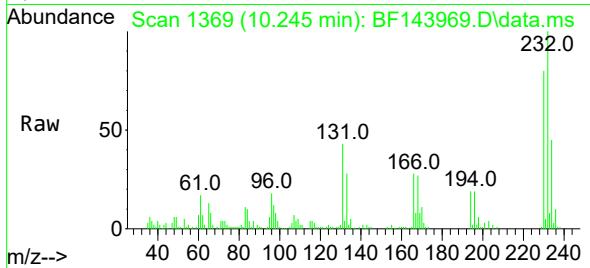
Tgt Ion:166 Resp: 260205
Ion Ratio Lower Upper
166 100
165 96.2 77.0 115.6
167 13.4 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 18.18 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

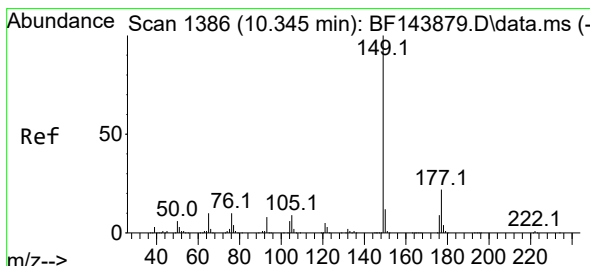
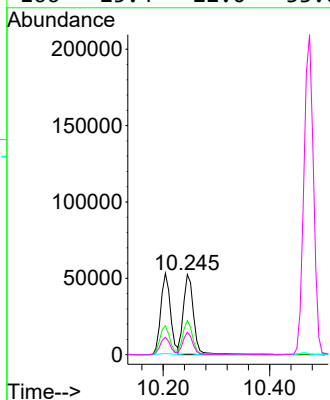
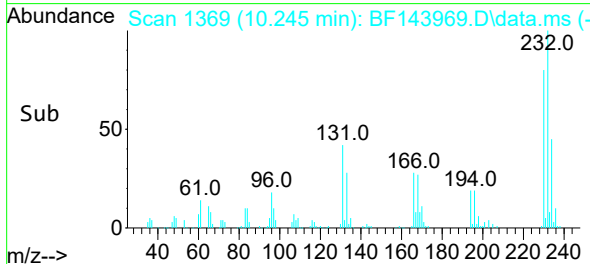
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



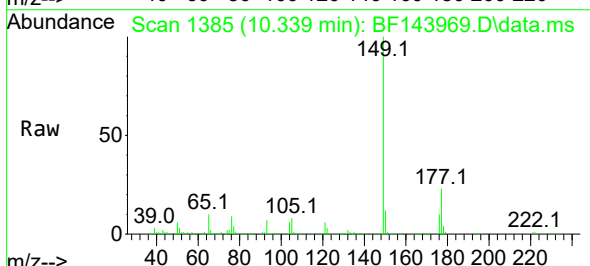
Tgt Ion:232 Resp: 70718
Ion Ratio Lower Upper
232 100
131 40.1 34.9 52.3
130 1.7 1.6 2.4
166 25.4 22.0 33.0

Manual Integrations
APPROVED

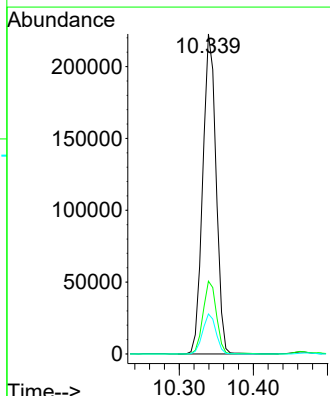
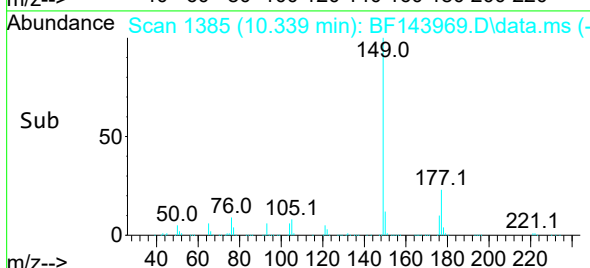
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

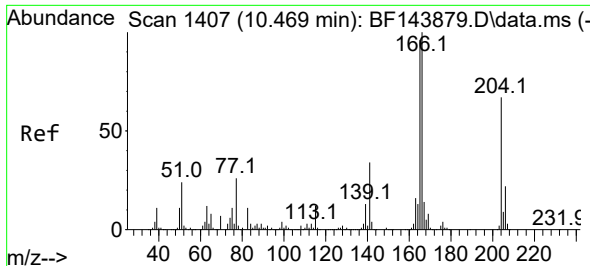


#60
Diethylphthalate
Concen: 18.33 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18



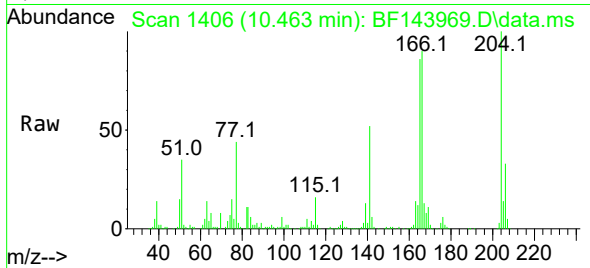
Tgt Ion:149 Resp: 278418
Ion Ratio Lower Upper
149 100
177 22.7 17.9 26.9
150 12.5 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 17.83 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

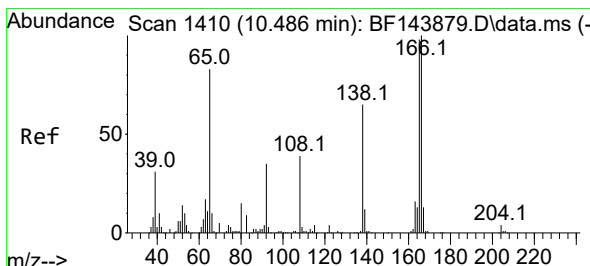
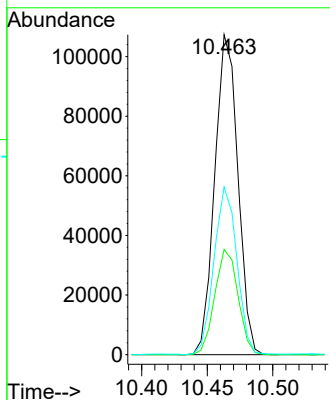
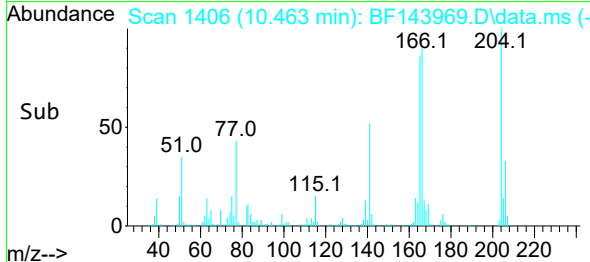
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



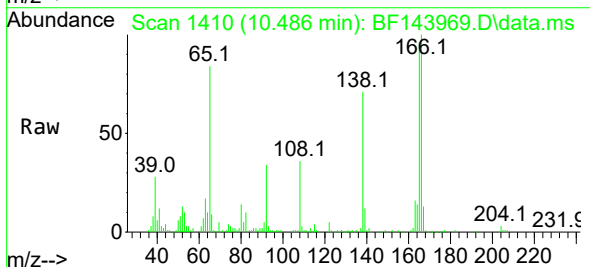
Tgt Ion:204 Resp: 131450
Ion Ratio Lower Upper
204 100
206 32.9 26.6 40.0
141 52.4 40.4 60.6

Manual Integrations
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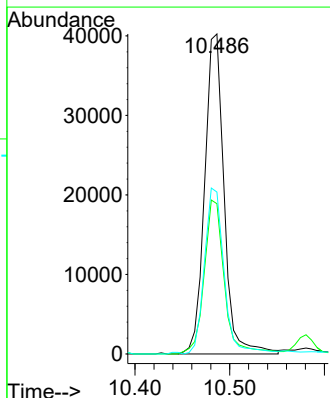
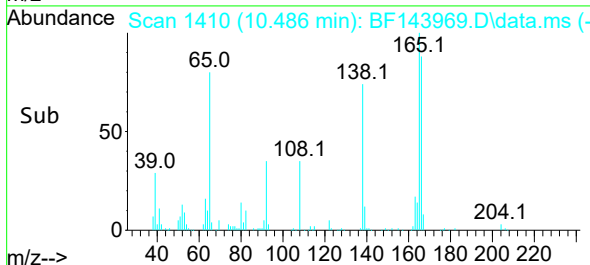
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

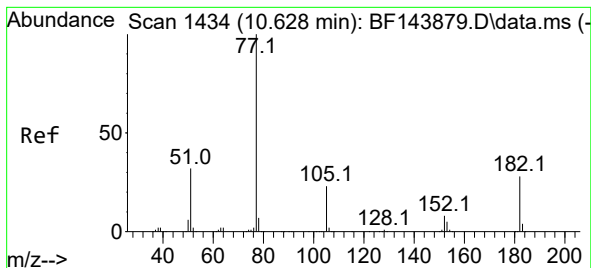


#62
4-Nitroaniline
Concen: 16.06 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18



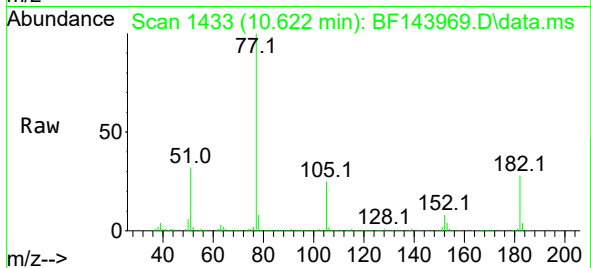
Tgt Ion:138 Resp: 57347
Ion Ratio Lower Upper
138 100
92 47.0 33.9 73.9
108 50.6 40.2 80.2





#63
 Azobenzene
 Concen: 18.74 ng
 RT: 10.622 min Scan# 1433
 Delta R.T. -0.012 min
 Lab File: BF143969.D
 Acq: 15 Oct 2025 23:18

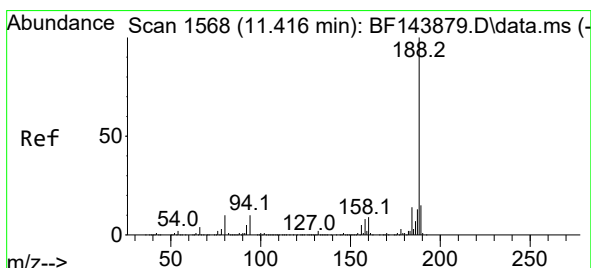
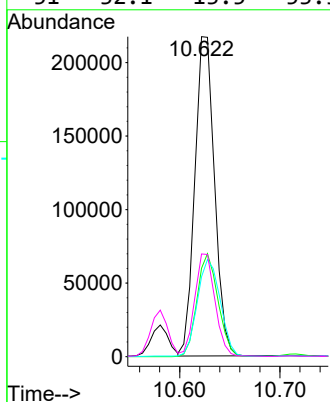
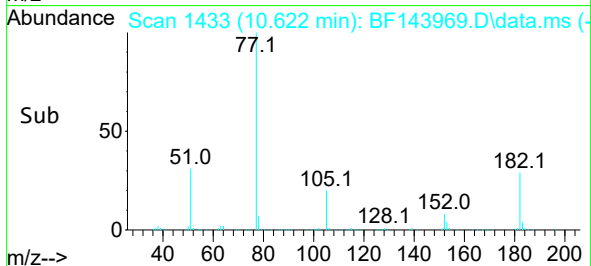
Instrument :
 BNA_F
 ClientSampleId :
 LAYDOWN-YARD-1MSD



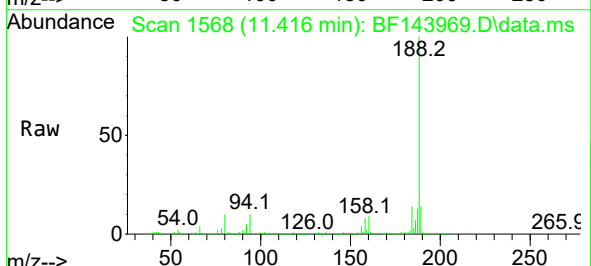
Tgt Ion: 77 Resp: 297479
 Ion Ratio Lower Upper
 77 100
 182 27.6 7.3 47.3
 105 25.0 3.0 43.0
 51 32.1 13.5 53.5

Manual Integrations
 APPROVED

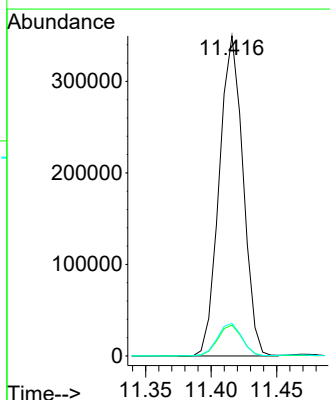
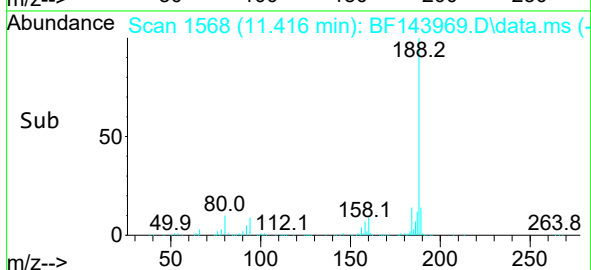
Reviewed By :Rahul Chavli 10/16/2025
 Supervised By :Jagrut Upadhyay 10/16/2025

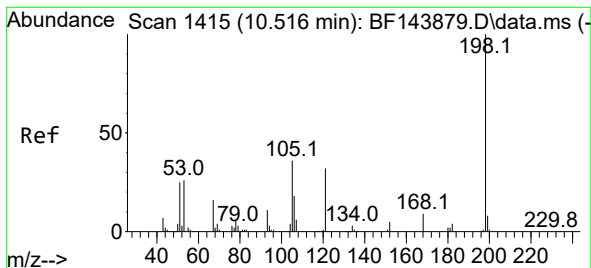


#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.416 min Scan# 1568
 Delta R.T. 0.000 min
 Lab File: BF143969.D
 Acq: 15 Oct 2025 23:18



Tgt Ion:188 Resp: 441424
 Ion Ratio Lower Upper
 188 100
 94 9.6 7.8 11.6
 80 10.2 7.9 11.9





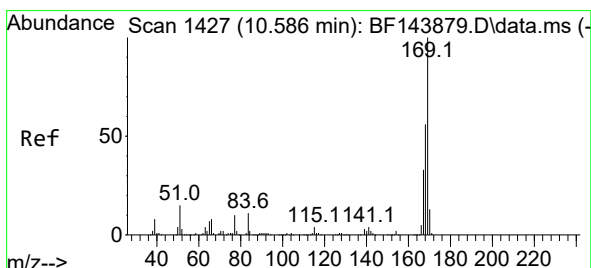
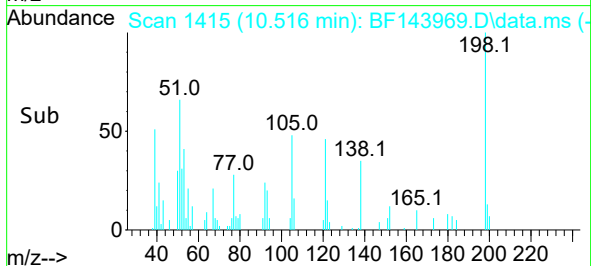
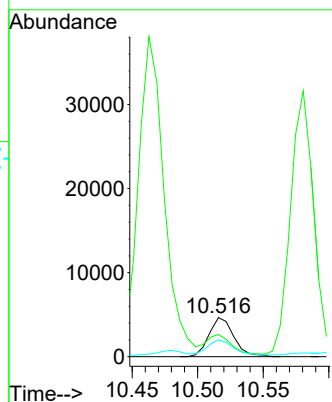
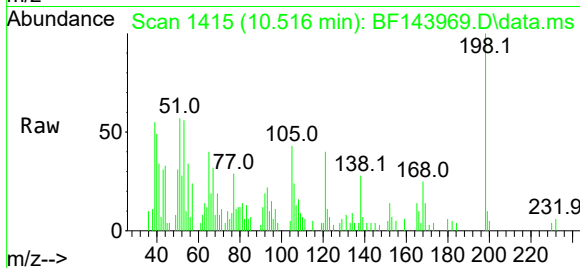
#65
4,6-Dinitro-2-methylphenol
Concen: 2.75 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.017 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD

Tgt Ion:198 Resp: 611
Ion Ratio Lower Upper
198 100
51 56.8 33.8 73.8
105 42.9 17.0 57.0

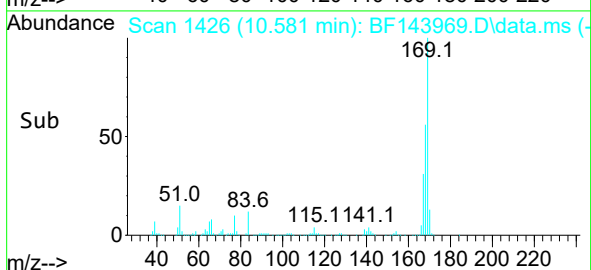
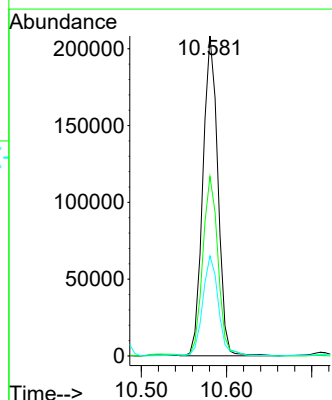
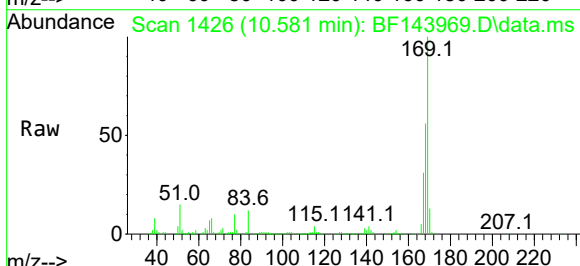
Manual Integrations
APPROVED

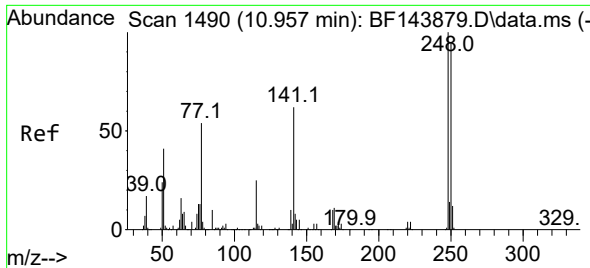
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#66
n-Nitrosodiphenylamine
Concen: 18.34 ng
RT: 10.581 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

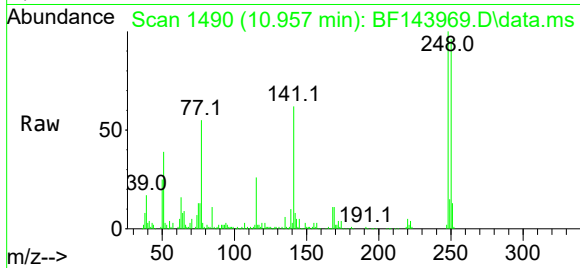
Tgt Ion:169 Resp: 254132
Ion Ratio Lower Upper
169 100
168 56.1 44.9 67.3
167 31.2 26.3 39.5





#67
4-Bromophenyl-phenylether
Concen: 16.72 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

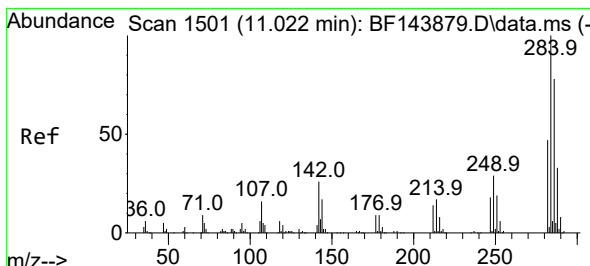
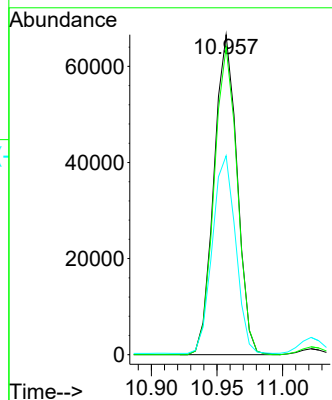
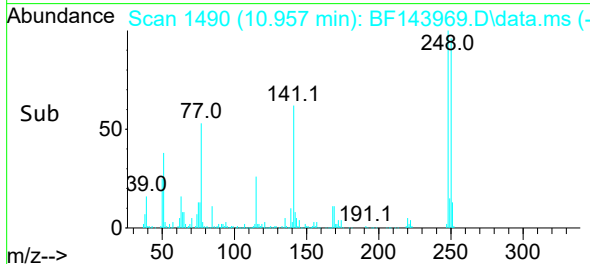
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



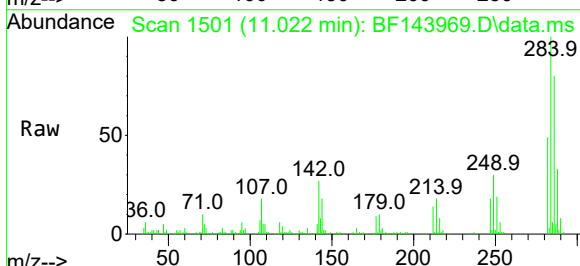
Tgt Ion:248 Resp: 81580
Ion Ratio Lower Upper
248 100
250 96.1 76.3 114.5
141 62.1 49.7 74.5

Manual Integrations
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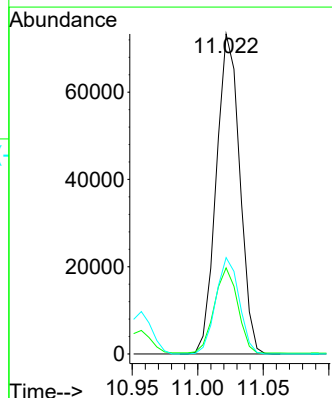
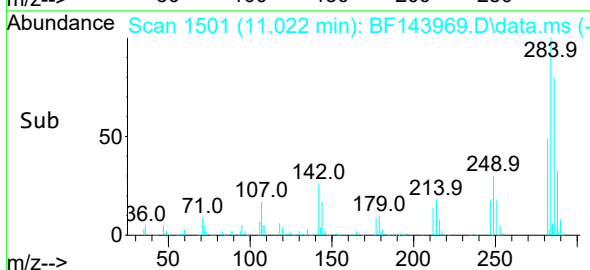
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

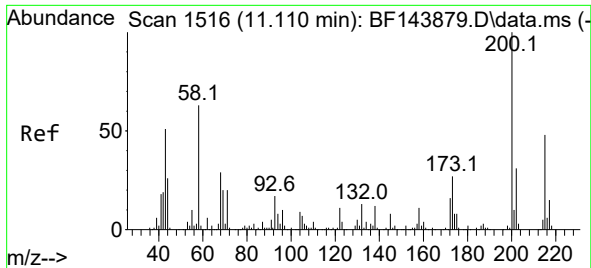


#68
Hexachlorobenzene
Concen: 16.11 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18



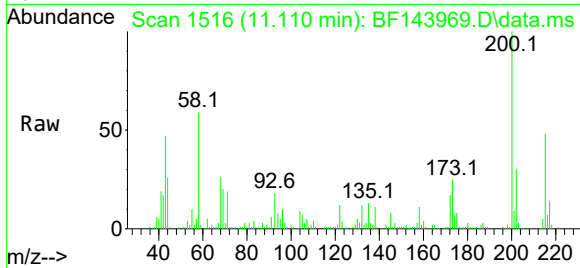
Tgt Ion:284 Resp: 90999
Ion Ratio Lower Upper
284 100
142 26.9 20.6 30.8
249 30.1 23.2 34.8





#69
 Atrazine
 Concen: 18.73 ng
 RT: 11.110 min Scan# 1110
 Delta R.T. -0.012 min
 Lab File: BF143969.D
 Acq: 15 Oct 2025 23:18

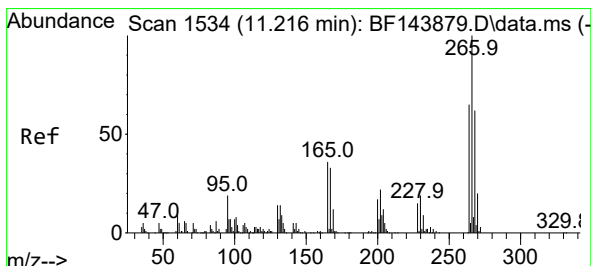
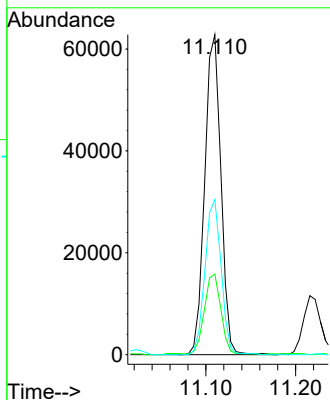
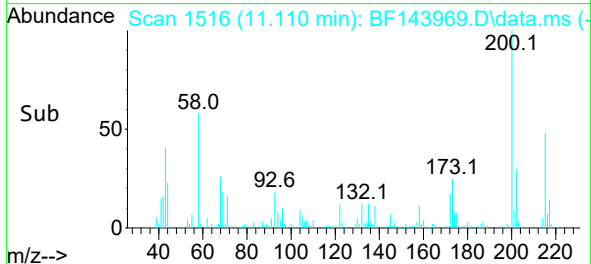
Instrument :
 BNA_F
 ClientSampleId :
 LAYDOWN-YARD-1MSD



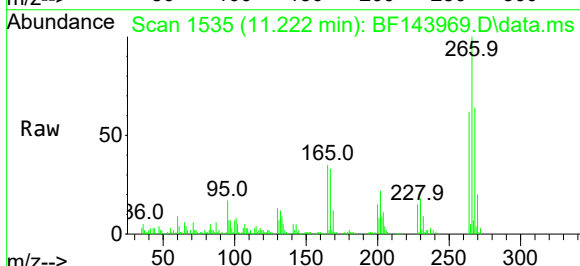
Tgt Ion:200 Resp: 7868
 Ion Ratio Lower Upper
 200 100
 173 25.2 7.0 47.0
 215 48.4 27.8 67.8

Manual Integrations
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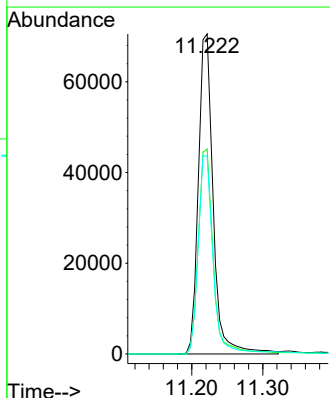
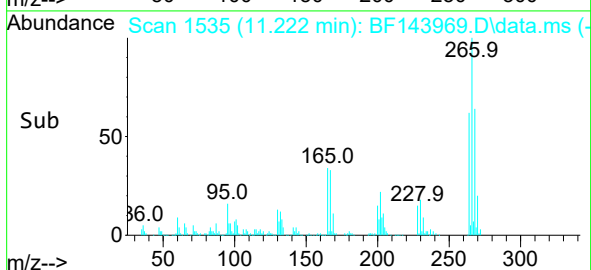
Reviewed By :Rahul Chavli 10/16/2025
 Supervised By :Jagrut Upadhyay 10/16/2025

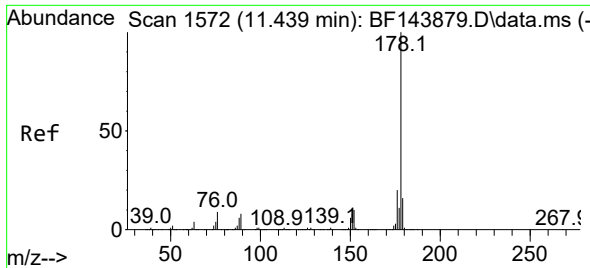


#70
 Pentachlorophenol
 Concen: 31.63 ng
 RT: 11.222 min Scan# 1535
 Delta R.T. 0.000 min
 Lab File: BF143969.D
 Acq: 15 Oct 2025 23:18



Tgt Ion:266 Resp: 102594
 Ion Ratio Lower Upper
 266 100
 268 64.0 49.4 74.0
 264 61.8 51.8 77.6





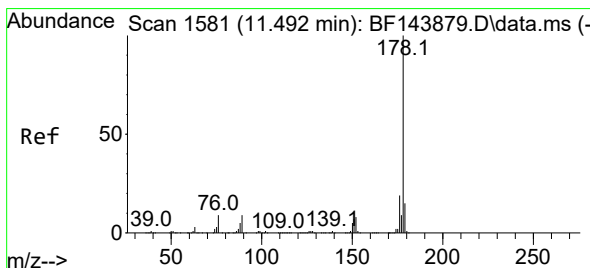
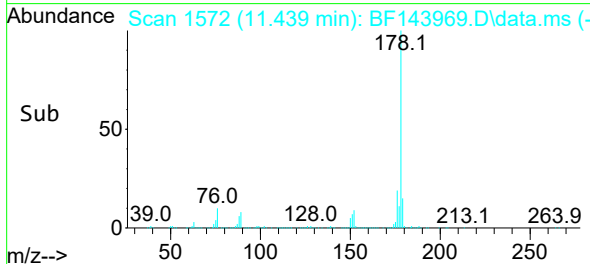
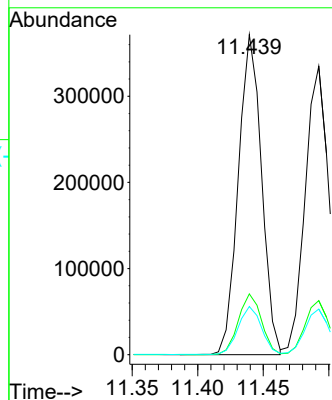
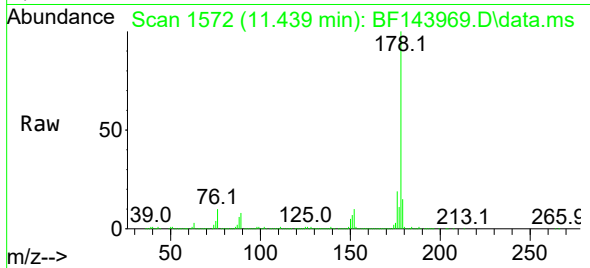
#71
Phenanthrene
Concen: 21.41 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD

Tgt Ion:178 Resp: 458174
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.1 12.4 18.6

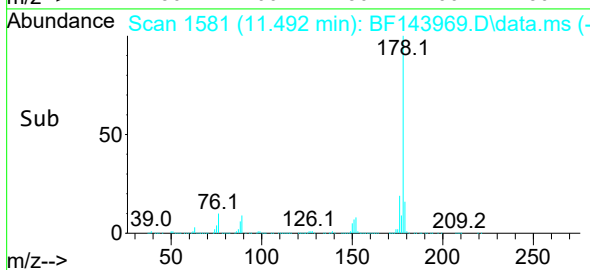
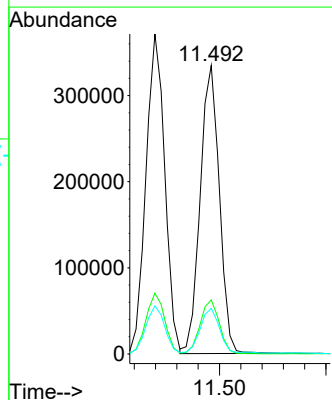
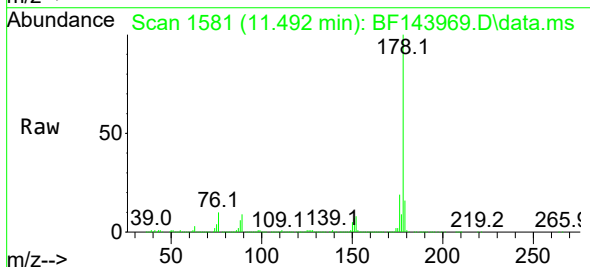
Manual Integrations
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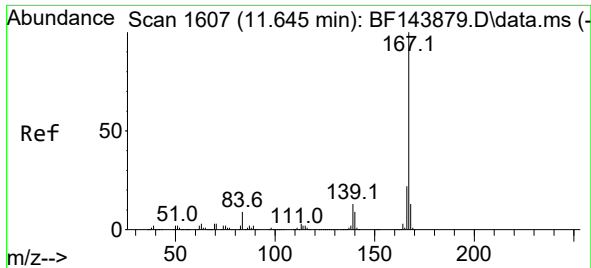
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#72
Anthracene
Concen: 19.38 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

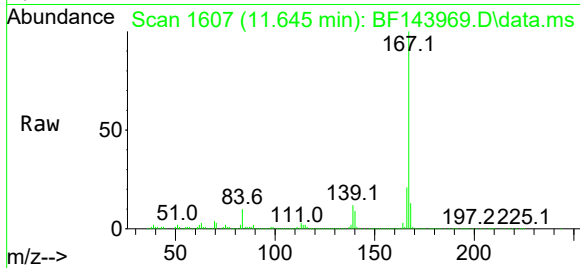
Tgt Ion:178 Resp: 418980
Ion Ratio Lower Upper
178 100
176 18.7 14.9 22.3
179 15.8 12.2 18.2





#73
 Carbazole
 Concen: 19.33 ng
 RT: 11.645 min Scan# 1607
 Delta R.T. -0.006 min
 Lab File: BF143969.D
 Acq: 15 Oct 2025 23:18

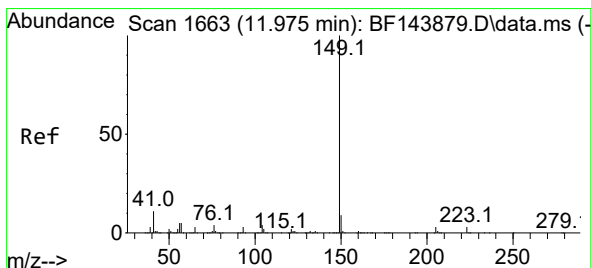
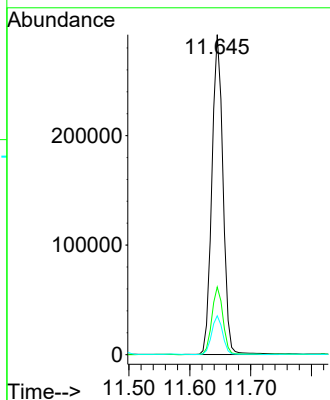
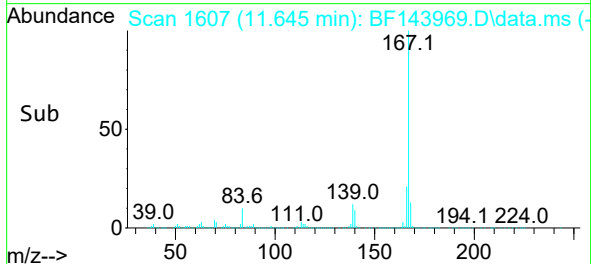
Instrument : BNA_F
 ClientSampleId : LAYDOWN-YARD-1MSD



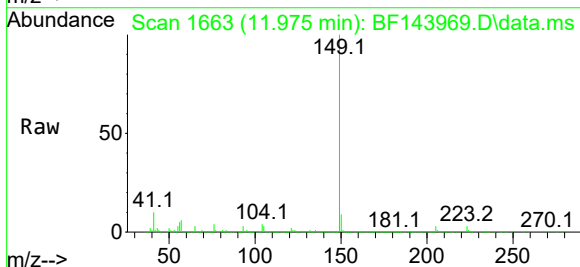
Tgt Ion:167 Resp: 370085
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.2 25.8
 139 12.1 10.1 15.1

Manual Integrations
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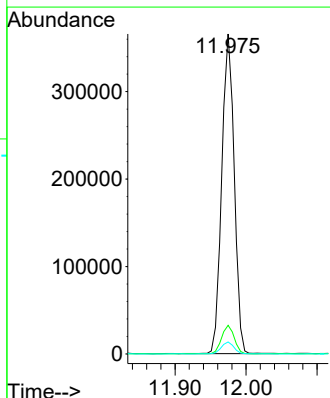
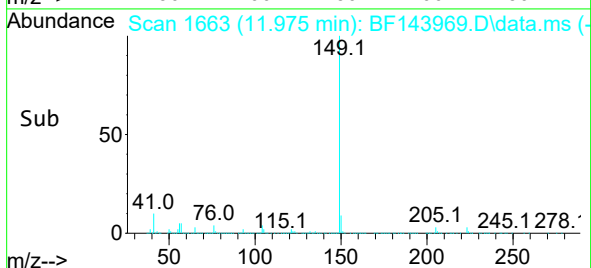
Reviewed By :Rahul Chavli 10/16/2025
 Supervised By :Jagrut Upadhyay 10/16/2025

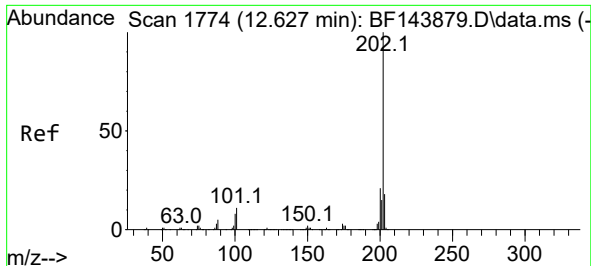


#74
 Di-n-butylphthalate
 Concen: 19.94 ng
 RT: 11.975 min Scan# 1663
 Delta R.T. -0.006 min
 Lab File: BF143969.D
 Acq: 15 Oct 2025 23:18



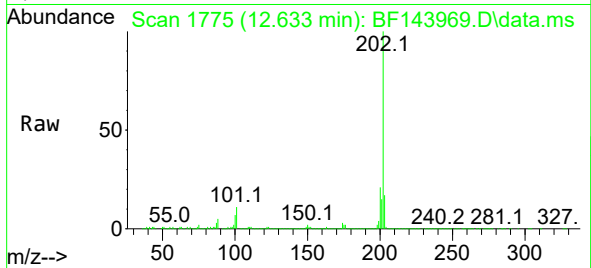
Tgt Ion:149 Resp: 442416
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.4 11.2
 104 3.7 3.4 5.2





#75
Fluoranthene
Concen: 25.71 ng
RT: 12.633 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

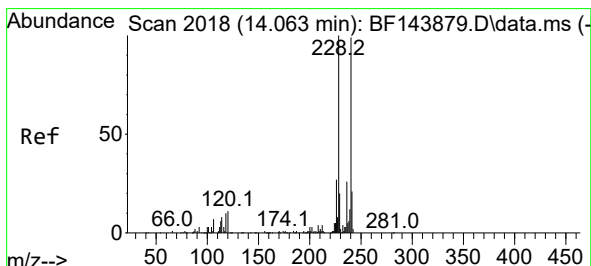
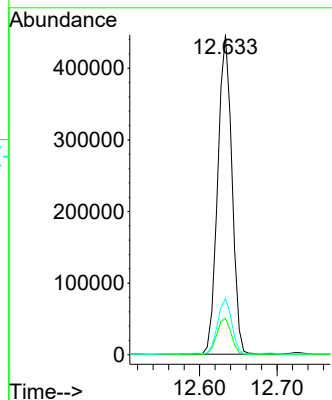
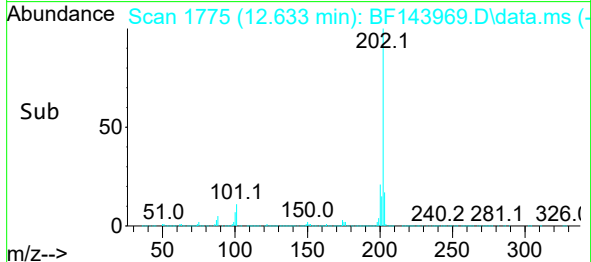
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



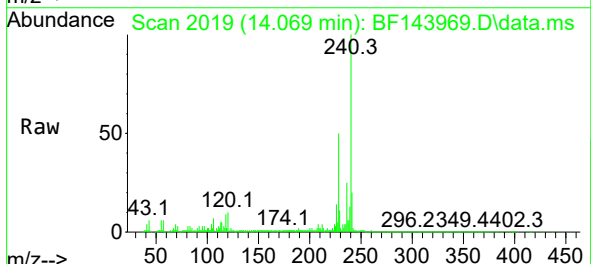
Tgt Ion:202 Resp: 56839
Ion Ratio Lower Upper
202 100
101 11.4 0.0 30.7
203 17.5 0.0 37.8

Manual Integrations
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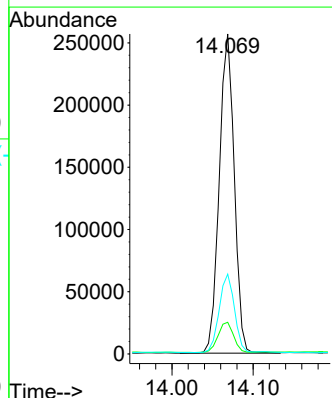
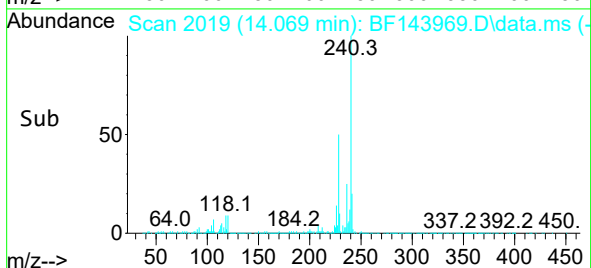
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

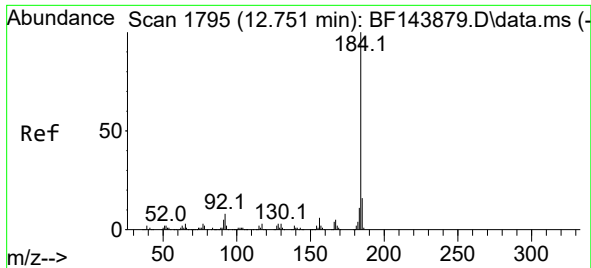


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.001 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18



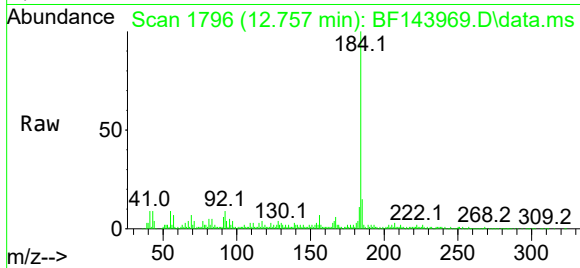
Tgt Ion:240 Resp: 330283
Ion Ratio Lower Upper
240 100
120 9.9 8.6 13.0
236 24.9 21.1 31.7





#77
Benzidine
Concen: 9.10 ng
RT: 12.757 min Scan# 1795
Delta R.T. -0.000 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

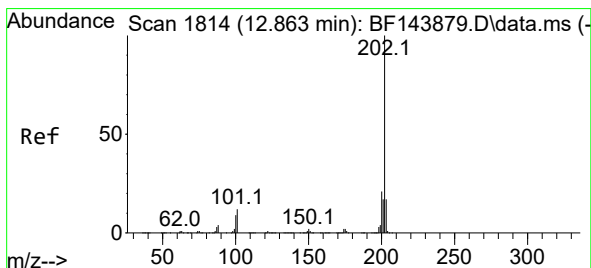
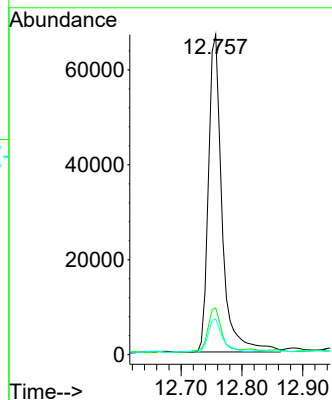
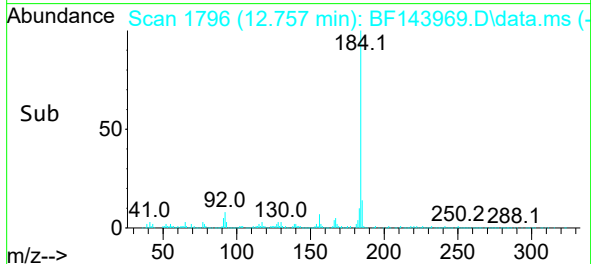
Instrument : BNA_F
ClientSampleId : LAYDOWN-YARD-1MSD



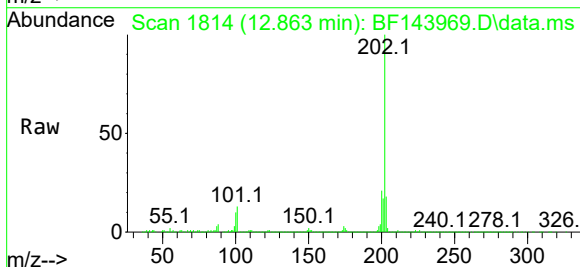
Tgt Ion:184 Resp: 10435
Ion Ratio Lower Upper
184 100
185 14.6 12.6 18.8
183 11.1 8.8 13.2

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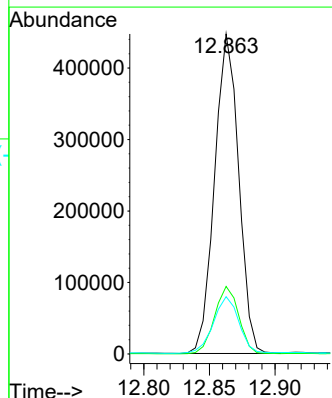
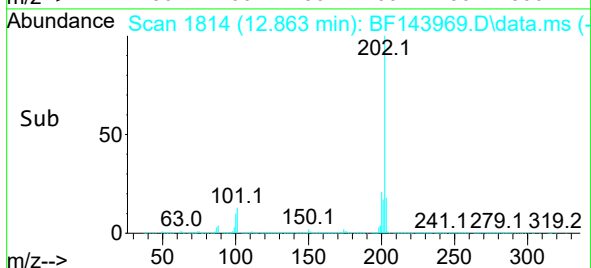
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

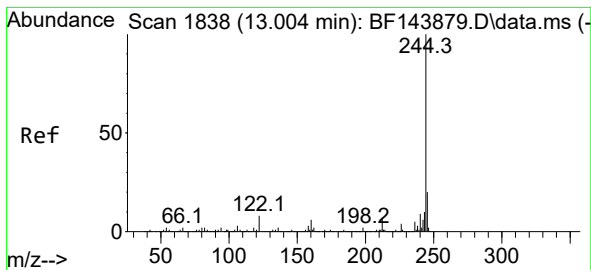


#78
Pyrene
Concen: 20.72 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18



Tgt Ion:202 Resp: 570633
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.6
203 17.9 13.8 20.6





#79

Terphenyl-d14

Concen: 21.75 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF143969.D

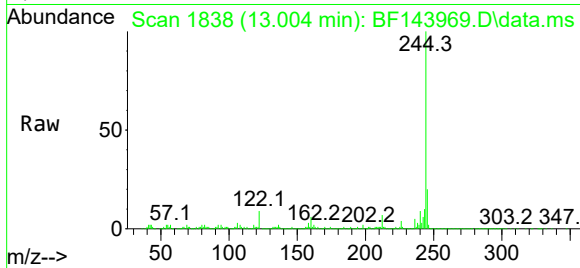
Acq: 15 Oct 2025 23:18

Instrument :

BNA_F

ClientSampleId :

LAYDOWN-YARD-1MSD



Tgt Ion:244 Resp: 420409

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

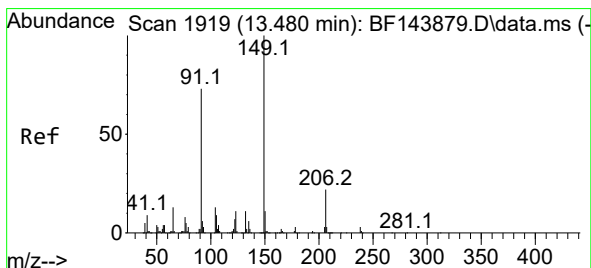
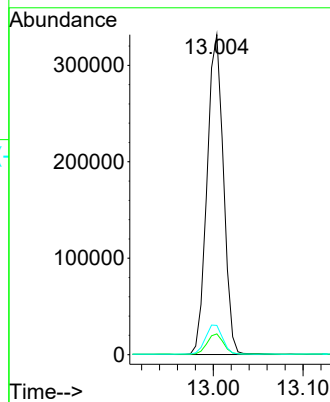
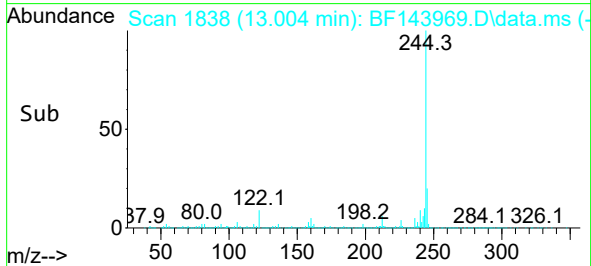
122 9.2 6.4 9.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/16/2025

Supervised By :Jagrut Upadhyay 10/16/2025



#80

Butylbenzylphthalate

Concen: 21.97 ng

RT: 13.480 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BF143969.D

Acq: 15 Oct 2025 23:18

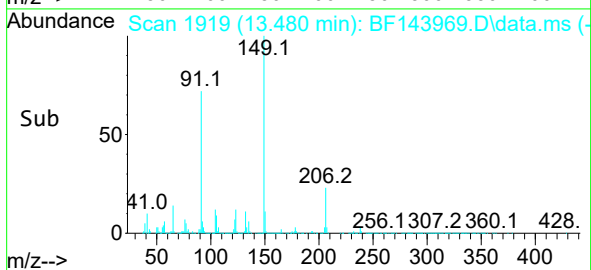
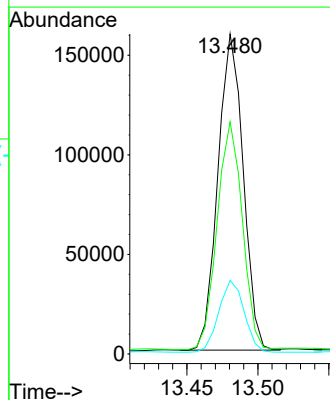
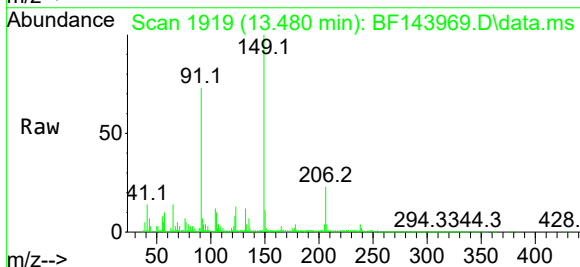
Tgt Ion:149 Resp: 196439

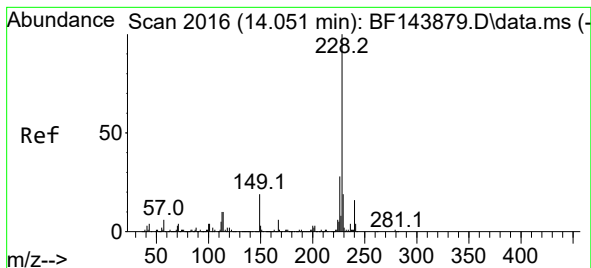
Ion Ratio Lower Upper

149 100

91 72.5 58.2 87.2

206 23.0 17.9 26.9





#81

Benzo(a)anthracene

Concen: 19.17 ng

RT: 14.057 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF143969.D

Acq: 15 Oct 2025 23:18

Instrument :

BNA_F

ClientSampleId :

LAYDOWN-YARD-1MSD

Tgt Ion:228 Resp: 414340

Ion Ratio Lower Upper

228 100

226 27.0 22.2 33.2

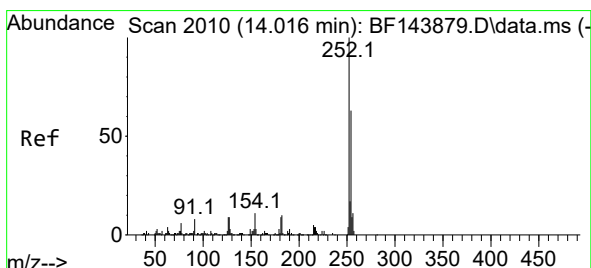
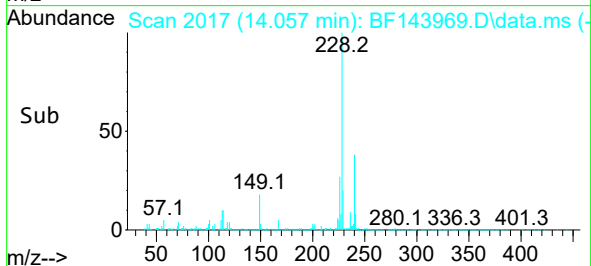
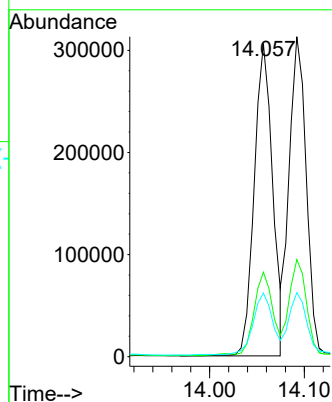
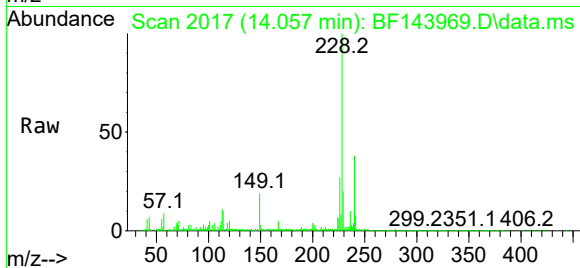
229 20.3 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/16/2025

Supervised By :Jagrut Upadhyay 10/16/2025



#82

3,3'-Dichlorobenzidine

Concen: 16.69 ng

RT: 14.016 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BF143969.D

Acq: 15 Oct 2025 23:18

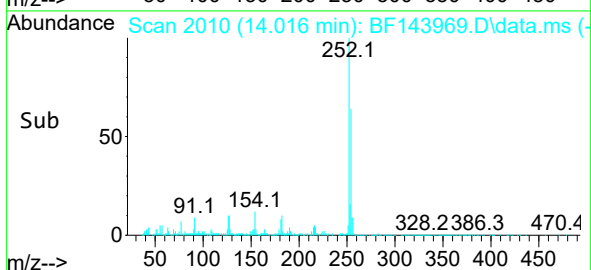
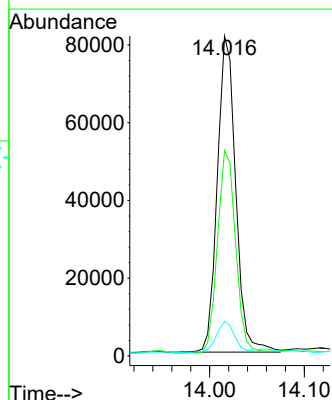
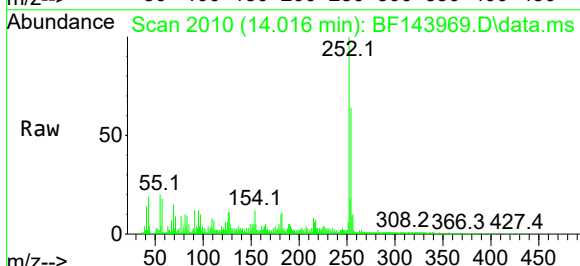
Tgt Ion:252 Resp: 109919

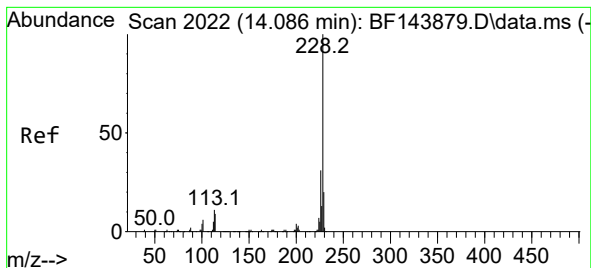
Ion Ratio Lower Upper

252 100

254 64.2 50.6 76.0

126 10.8 7.0 10.6#





#83

Chrysene

Concen: 19.39 ng

RT: 14.092 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF143969.D

Acq: 15 Oct 2025 23:18

Instrument :

BNA_F

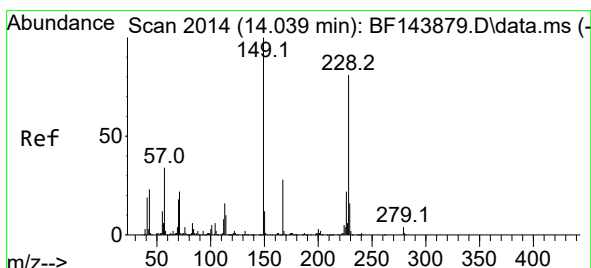
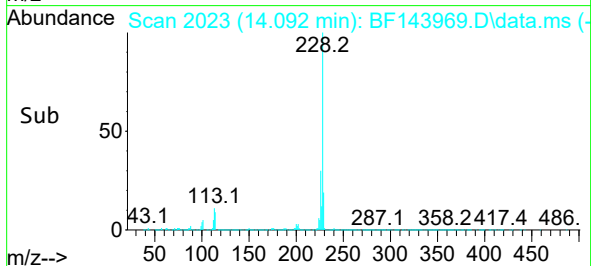
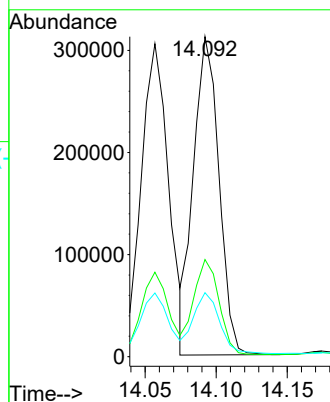
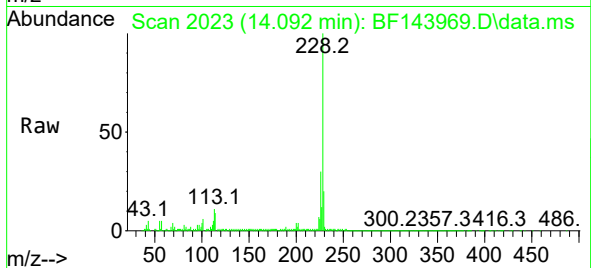
ClientSampleId :

LAYDOWN-YARD-1MSD

Tgt Ion:228 Resp: 387944
 Ion Ratio Lower Upper
 228 100
 226 30.3 24.4 36.6
 229 20.0 15.9 23.9

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/16/2025
 Supervised By :Jagrut Upadhyay 10/16/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 35.62 ng

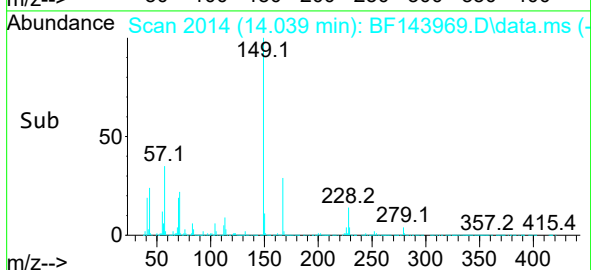
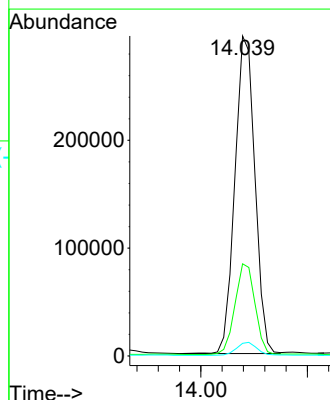
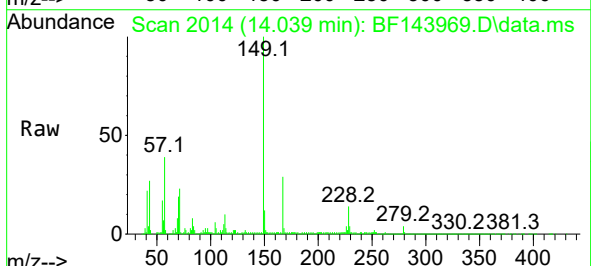
RT: 14.039 min Scan# 2014

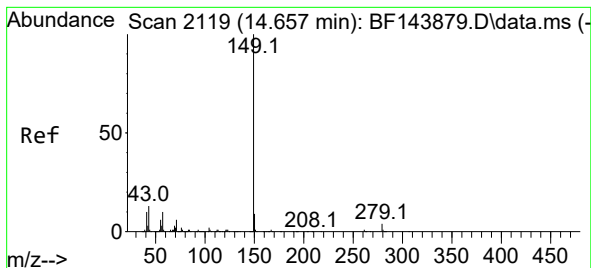
Delta R.T. 0.000 min

Lab File: BF143969.D

Acq: 15 Oct 2025 23:18

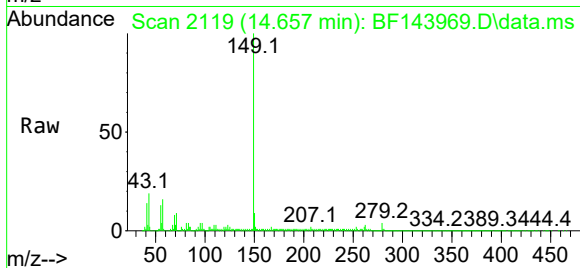
Tgt Ion:149 Resp: 384008
 Ion Ratio Lower Upper
 149 100
 167 28.8 22.2 33.4
 279 4.0 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 21.97 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

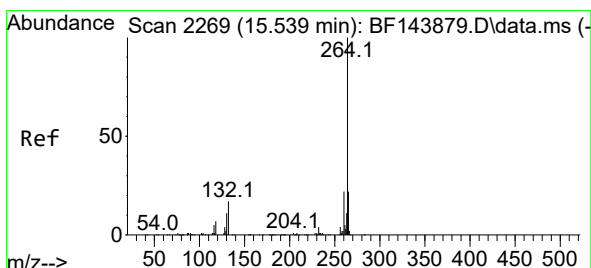
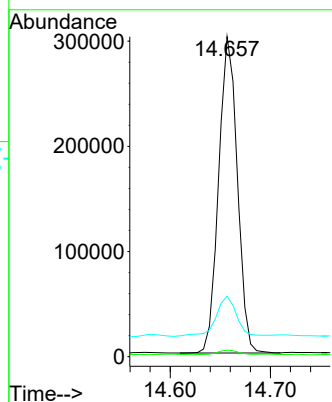
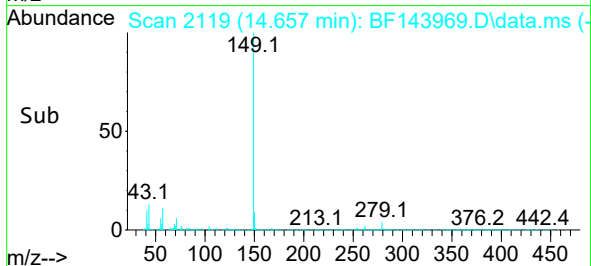
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1MSD



Tgt Ion:149 Resp: 388944
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 13.9 11.0 16.4

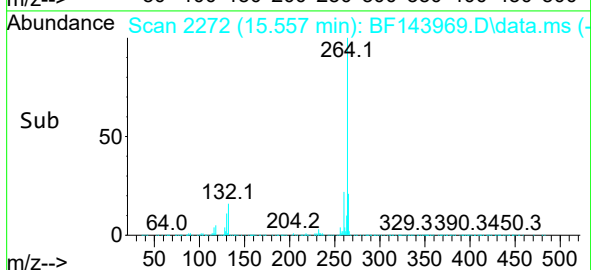
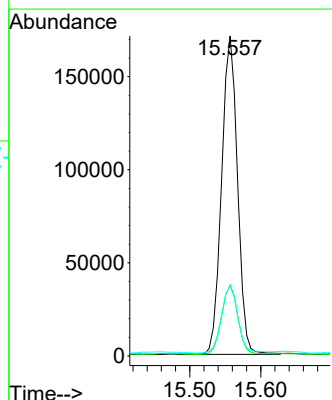
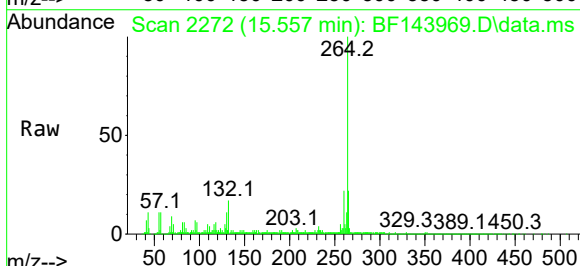
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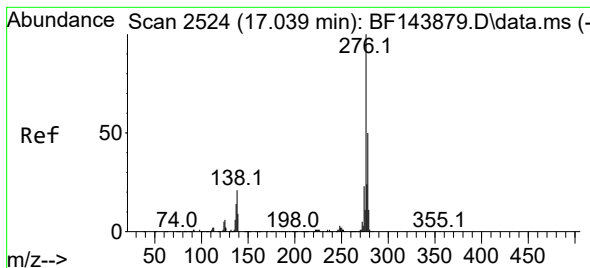
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.557 min Scan# 2272
Delta R.T. 0.012 min
Lab File: BF143969.D
Acq: 15 Oct 2025 23:18

Tgt Ion:264 Resp: 265166
Ion Ratio Lower Upper
264 100
260 22.2 17.8 26.8
265 22.0 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 16.73 ng

RT: 17.062 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF143969.D

Acq: 15 Oct 2025 23:18

Instrument :

BNA_F

ClientSampleId :

LAYDOWN-YARD-1MSD

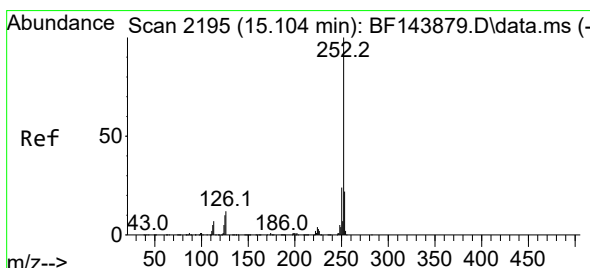
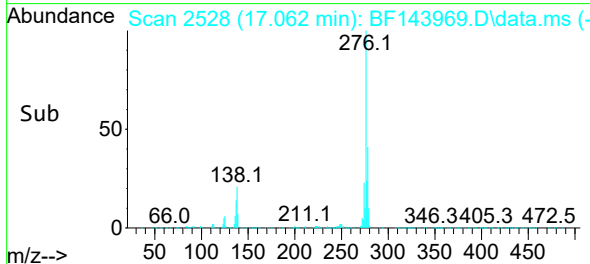
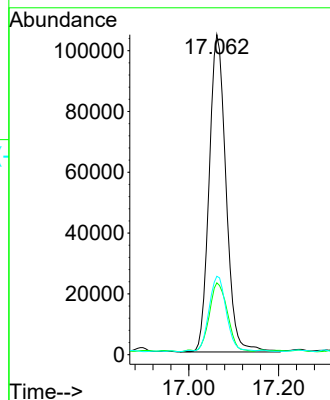
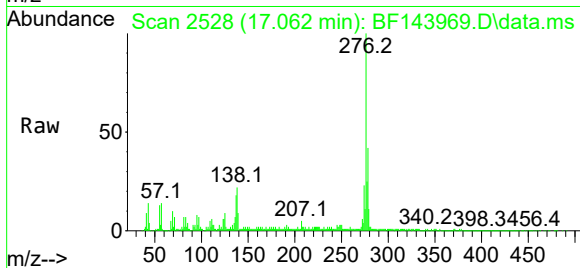
Tgt Ion:276 Resp: 271819
 Ion Ratio Lower Upper
 276 100
 138 23.0 18.2 27.2
 277 23.5 19.8 29.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/16/2025

Supervised By :Jagrut Upadhyay 10/16/2025



#88

Benzo(b)fluoranthene

Concen: 21.27 ng

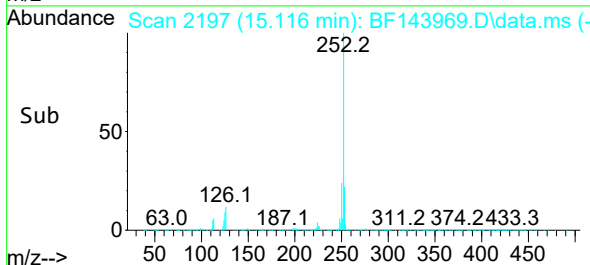
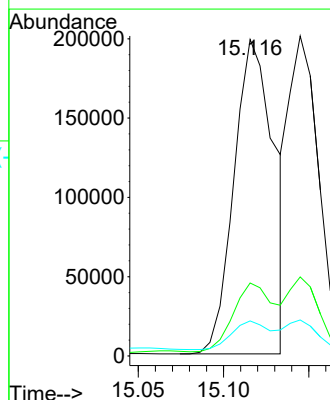
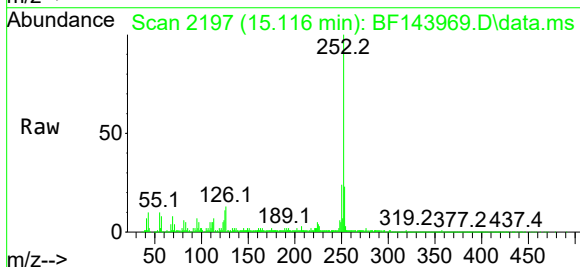
RT: 15.116 min Scan# 2197

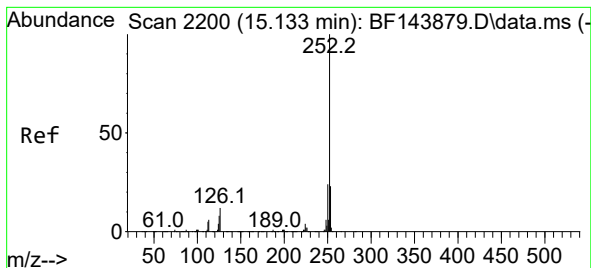
Delta R.T. 0.000 min

Lab File: BF143969.D

Acq: 15 Oct 2025 23:18

Tgt Ion:252 Resp: 323935
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.4 26.2
 125 11.1 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 17.74 ng m

RT: 15.145 min Scan# 2200

Delta R.T. 0.000 min

Lab File: BF143969.D

Acq: 15 Oct 2025 23:18

Instrument :

BNF

ClientSampleId :

LAYDOWN-YARD-1MSD

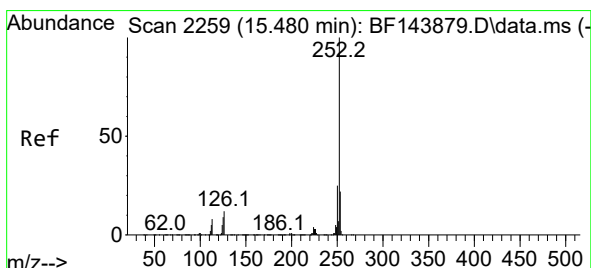
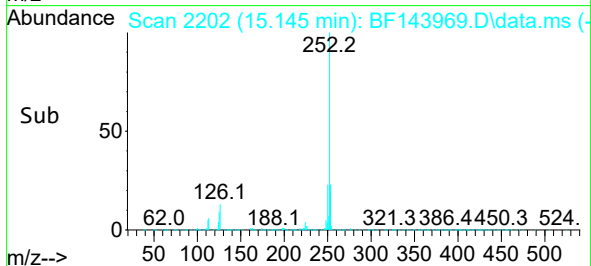
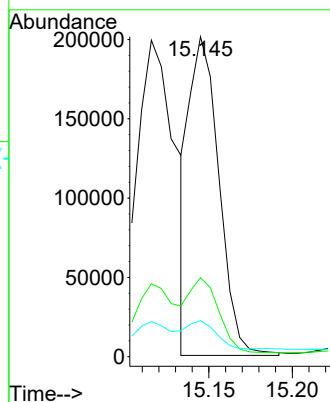
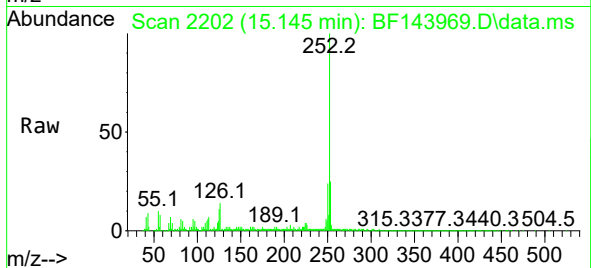
Tgt Ion:252 Resp: 250079
 Ion Ratio Lower Upper
 252 100
 253 24.7 17.8 26.8
 125 11.2 7.4 11.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/16/2025

Supervised By :Jagrut Upadhyay 10/16/2025



#90

Benzo(a)pyrene

Concen: 19.91 ng

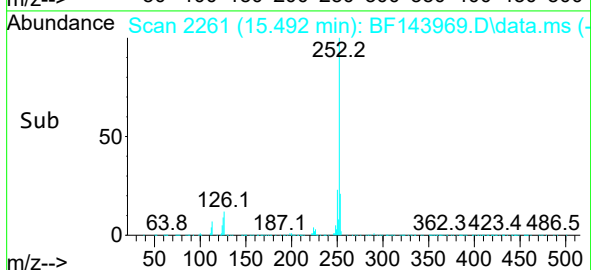
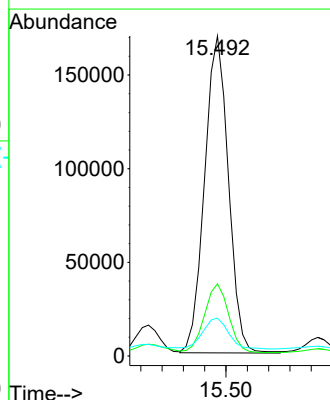
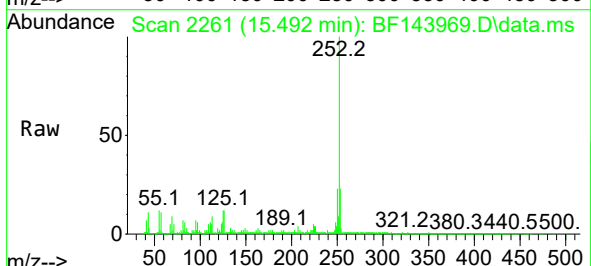
RT: 15.492 min Scan# 2261

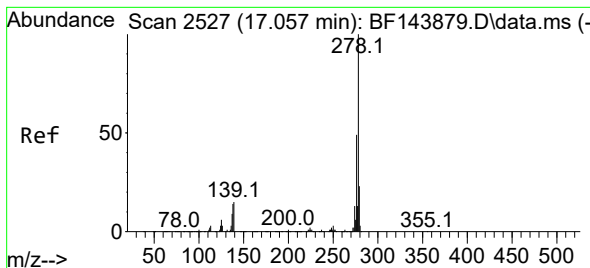
Delta R.T. 0.006 min

Lab File: BF143969.D

Acq: 15 Oct 2025 23:18

Tgt Ion:252 Resp: 262899
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.3 25.9
 125 11.9 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 15.68 ng

RT: 17.080 min Scan# 20485

Delta R.T. 0.000 min

Lab File: BF143969.D

Acq: 15 Oct 2025 23:18

Instrument :

BNA_F

ClientSampleId :

LAYDOWN-YARD-1MSD

Tgt Ion:278 Resp: 20485

Ion Ratio Lower Upper

278 100

139 16.6 11.7 17.5

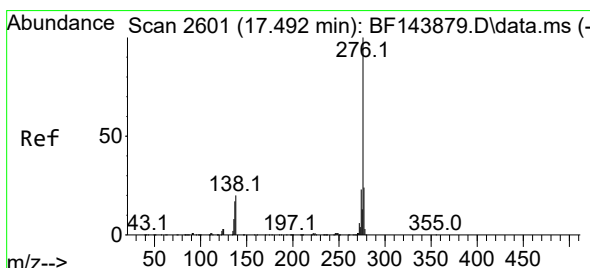
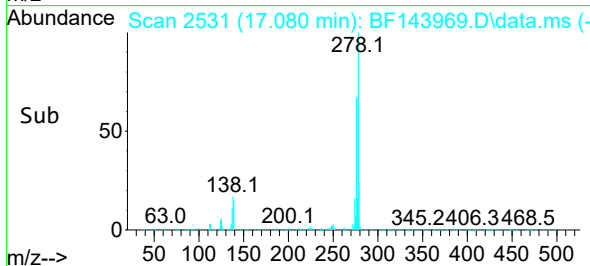
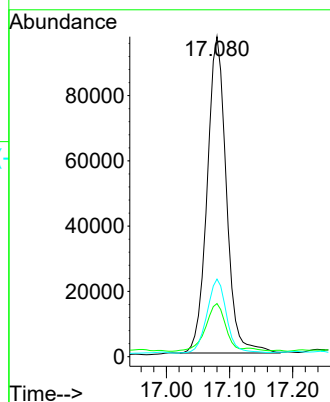
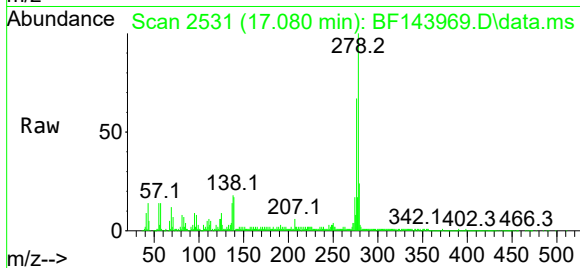
279 24.3 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/16/2025

Supervised By :Jagrut Upadhyay 10/16/2025



#92

Benzo(g,h,i)perylene

Concen: 16.50 ng

RT: 17.515 min Scan# 2605

Delta R.T. 0.000 min

Lab File: BF143969.D

Acq: 15 Oct 2025 23:18

Tgt Ion:276 Resp: 215573

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.6

138 23.1 16.1 24.1

