

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143487.D
 Acq On : 20 Aug 2025 16:15
 Operator : RC/JU
 Sample : PB169299BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169299BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :Jagrut Upadhyay 08/21/2025

Quant Time: Aug 21 06:20:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	140646	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	526730	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	284001	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	447118	20.000	ng	0.00
76) Chrysene-d12	14.098	240	242955	20.000	ng	0.00
86) Perylene-d12	15.592	264	281884	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	909981	112.977	ng	0.01
7) Phenol-d6	6.569	99	1132028	113.852	ng	0.00
23) Nitrobenzene-d5	7.487	82	757469	83.918	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	330247	124.922	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1385435	80.622	ng	0.00
79) Terphenyl-d14	13.039	244	1276657	91.697	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.846	88	137928	36.965	ng	98
3) Pyridine	3.605	79	371320	37.363	ng	98
4) n-Nitrosodimethylamine	3.552	42	206025	46.116	ng	97
6) Aniline	6.593	93	382550	28.784	ng	91
8) 2-Chlorophenol	6.716	128	390028	43.841	ng	99
9) Benzaldehyde	6.475	77	202017	25.095	ng	97
10) Phenol	6.581	94	477357	41.675	ng	96
11) bis(2-Chloroethyl)ether	6.657	93	374236	43.721	ng	100
12) 1,3-Dichlorobenzene	6.869	146	438406	43.859	ng	100
13) 1,4-Dichlorobenzene	6.946	146	445608	44.441	ng	100
14) 1,2-Dichlorobenzene	7.098	146	425866	44.859	ng	99
15) Benzyl Alcohol	7.069	79	345282	46.383	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	613109	44.772	ng	96
17) 2-Methylphenol	7.187	107	320293	44.858	ng	98
18) Hexachloroethane	7.440	117	149173	43.757	ng	97
19) n-Nitroso-di-n-propyla...	7.340	70	274590	45.183	ng	100
20) 3+4-Methylphenols	7.334	107	377354	44.271	ng	96
22) Acetophenone	7.334	105	516296	45.370	ng	99
24) Nitrobenzene	7.510	77	416718	44.856	ng	99
25) Isophorone	7.746	82	766396	46.319	ng	100
26) 2-Nitrophenol	7.822	139	213260	46.863	ng	98
27) 2,4-Dimethylphenol	7.863	122	336043	47.371	ng	98
28) bis(2-Chloroethoxy)met...	7.951	93	461649	45.400	ng	99
29) 2,4-Dichlorophenol	8.069	162	336050	44.355	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	362942	46.593	ng	100
31) Naphthalene	8.234	128	1104876	43.691	ng	100
32) Benzoic acid	7.993	122	179561	44.969	ng	99
33) 4-Chloroaniline	8.281	127	123558	13.766	ng	99
34) Hexachlorobutadiene	8.351	225	226236	44.516	ng	100
35) Caprolactam	8.645	113	93824m	51.608	ng	
36) 4-Chloro-3-methylphenol	8.769	107	346139	45.589	ng	100
37) 2-Methylnaphthalene	8.922	142	676981	40.082	ng	100
38) 1-Methylnaphthalene	9.022	142	697822	43.193	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	357261	43.979	ng	98
41) Hexachlorocyclopentadiene	9.081	237	386198	118.941	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	227659	45.544	ng	99

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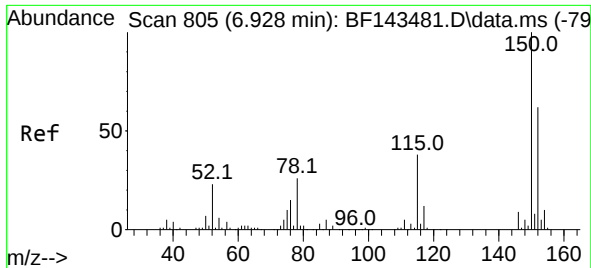
Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	243980	44.684	ng	100
46) 1,1'-Biphenyl	9.387	154	914709	45.377	ng	100
47) 2-Chloronaphthalene	9.416	162	700678	44.301	ng	100
48) 2-Nitroaniline	9.504	65	218623	47.231	ng	98
49) Acenaphthylene	9.828	152	1105180	48.801	ng	100
50) Dimethylphthalate	9.687	163	796457	46.564	ng	100
51) 2,6-Dinitrotoluene	9.745	165	177052	49.944	ng	98
52) Acenaphthene	10.004	154	722628	46.997	ng	100
53) 3-Nitroaniline	9.916	138	93167	24.322	ng	99
54) 2,4-Dinitrophenol	10.028	184	166975	87.541	ng	97
55) Dibenzofuran	10.175	168	958120	43.706	ng	99
56) 4-Nitrophenol	10.087	139	229591	100.732	ng	95
57) 2,4-Dinitrotoluene	10.151	165	239768	50.653	ng	96
58) Fluorene	10.516	166	733541	43.476	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	203776	50.235	ng	99
60) Diethylphthalate	10.387	149	723814	47.199	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	368468	43.667	ng	99
62) 4-Nitroaniline	10.534	138	168146	47.789	ng	100
63) Azobenzene	10.663	77	736062	46.290	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	123613	49.033	ng	95
66) n-Nitrosodiphenylamine	10.622	169	642303	44.638	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	239268	44.850	ng	98
68) Hexachlorobenzene	11.069	284	262799	45.700	ng	100
69) Atrazine	11.151	200	188244	50.680	ng	99
70) Pentachlorophenol	11.263	266	265057	100.642	ng	99
71) Phenanthrene	11.481	178	1069209	44.655	ng	100
72) Anthracene	11.534	178	1102078	45.435	ng	100
73) Carbazole	11.686	167	914035	45.988	ng	100
74) Di-n-butylphthalate	12.010	149	937959	50.587	ng	100
75) Fluoranthene	12.669	202	981972	45.706	ng	100
77) Benzidine	12.786	184	198065	33.468	ng	100
78) Pyrene	12.898	202	968021	48.438	ng	100
80) Butylbenzylphthalate	13.510	149	280813	51.435	ng	99
81) Benzo(a)anthracene	14.086	228	711121	45.463	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	87267	19.482	ng	99
83) Chrysene	14.122	228	656469	46.702	ng	100
84) Bis(2-ethylhexyl)phtha...	14.069	149	401124	48.240	ng	99
85) Di-n-octyl phthalate	14.680	149	740974	48.102	ng	99
87) Indeno(1,2,3-cd)pyrene	17.133	276	970402	47.907	ng	99
88) Benzo(b)fluoranthene	15.157	252	714546	45.603	ng	100
89) Benzo(k)fluoranthene	15.186	252	687981	45.858	ng	100
90) Benzo(a)pyrene	15.533	252	703830	48.393	ng	99
91) Dibenzo(a,h)anthracene	17.139	278	801587	49.411	ng	98
92) Benzo(g,h,i)perylene	17.592	276	797119	49.415	ng	99

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



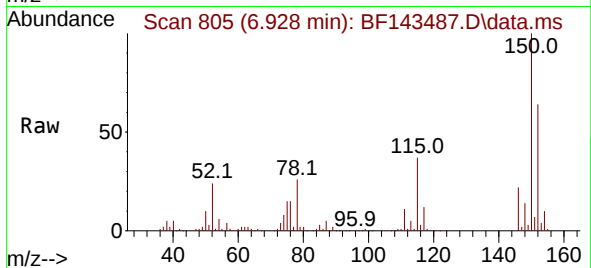
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143487.D
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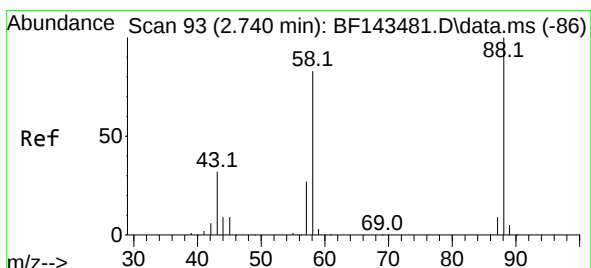
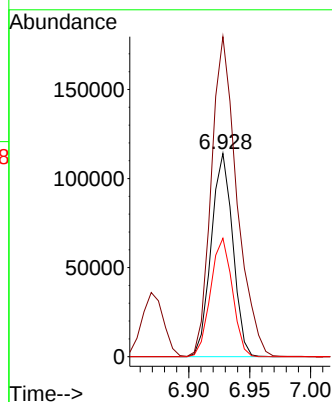
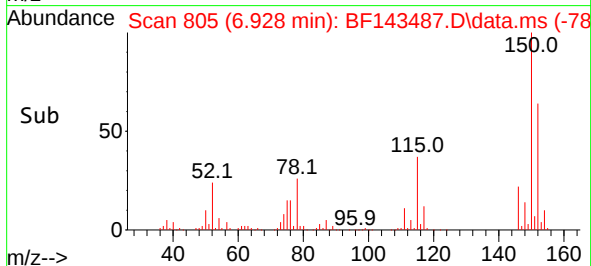
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Ion Ratio Lower Upper
152 100
150 157.5 128.9 193.3
115 58.3 49.2 73.8

Manual Integrations

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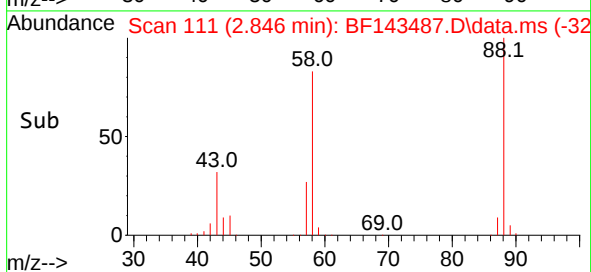
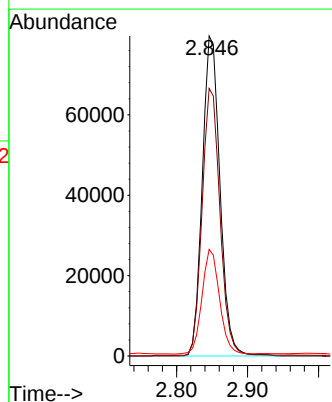
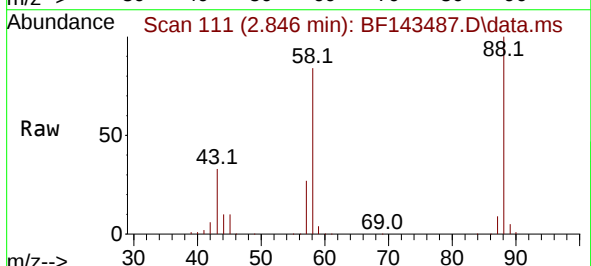
Reviewed By :Rahul Chavli 08/21/2025

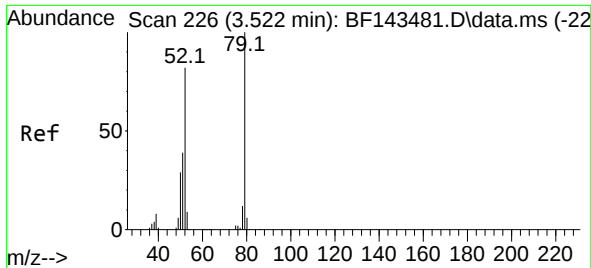
Supervised By :Jagrut Upadhyay 08/21/2025



#2
1,4-Dioxane
Concen: 36.965 ng
RT: 2.846 min Scan# 111
Delta R.T. 0.112 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Tgt Ion: 88 Resp: 137928
Ion Ratio Lower Upper
88 100
58 85.4 66.7 100.1
43 32.3 25.8 38.8





#3

Pyridine

Concen: 37.363 ng

RT: 3.605 min Scan# 240

Delta R.T. 0.088 min

Lab File: BF143487.D

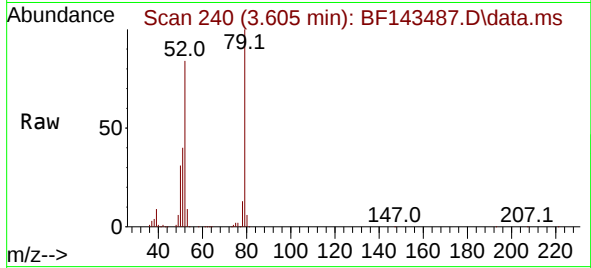
Acq: 20 Aug 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PB169299BS



Tgt Ion: 79 Resp: 371320

Ion Ratio Lower Upper

79 100

52 83.6 65.6 98.4

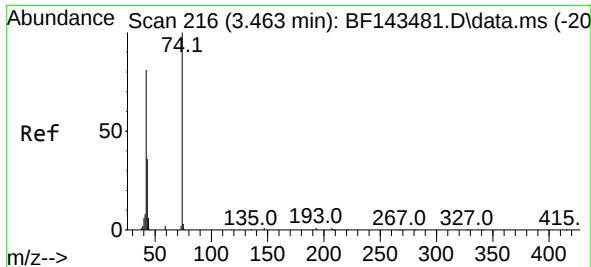
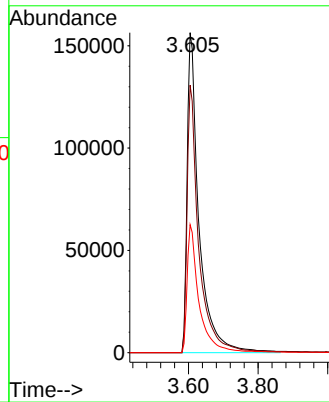
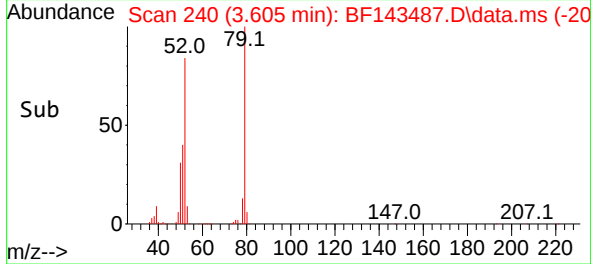
51 40.0 31.2 46.8

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 46.116 ng

RT: 3.552 min Scan# 231

Delta R.T. 0.077 min

Lab File: BF143487.D

Acq: 20 Aug 2025 16:15

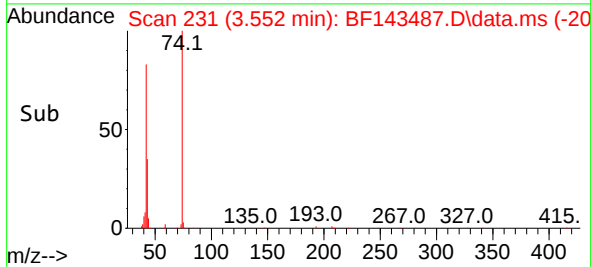
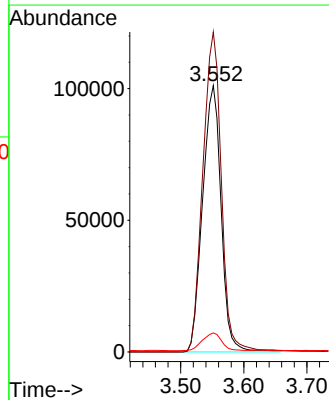
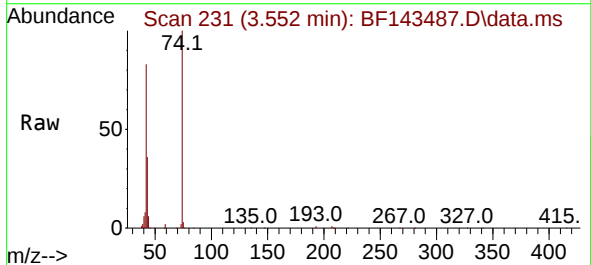
Tgt Ion: 42 Resp: 206025

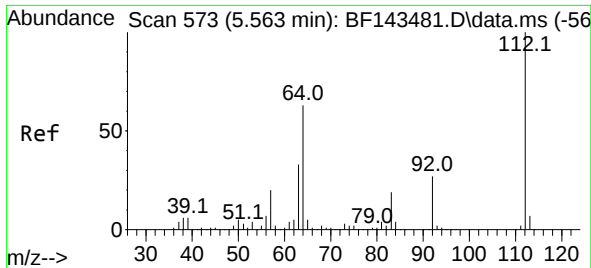
Ion Ratio Lower Upper

42 100

74 120.1 98.6 148.0

44 7.2 5.8 8.8





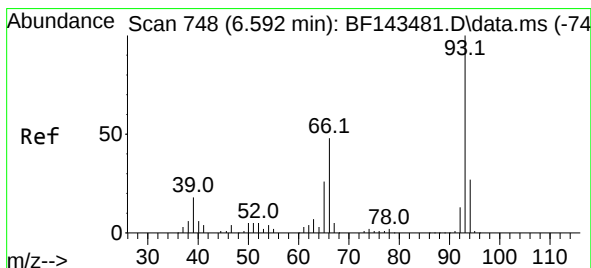
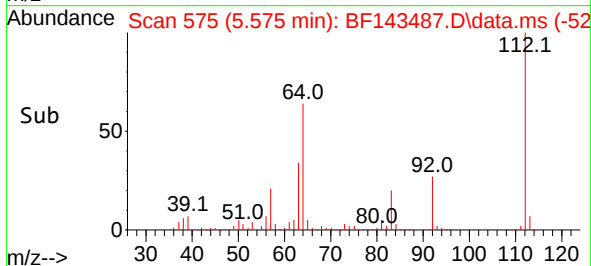
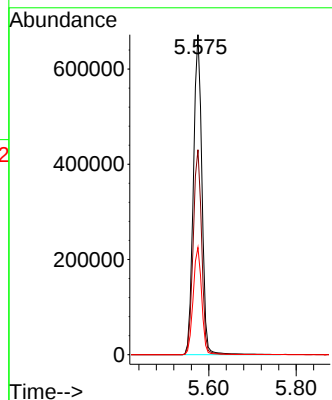
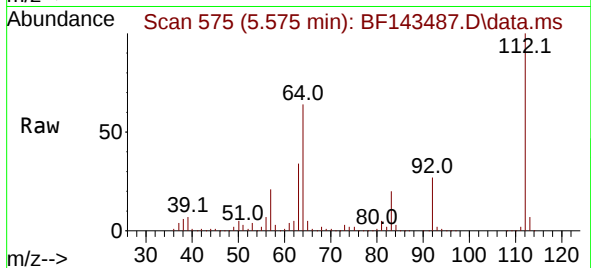
#5
2-Fluorophenol
Concen: 112.977 ng
RT: 5.575 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Instrument :
BNA_F
ClientSampleId :
PB169299BS

Tgt Ion:112 Resp: 90998
Ion Ratio Lower Upper
112 100
64 64.0 50.4 75.6
63 33.5 26.4 39.6

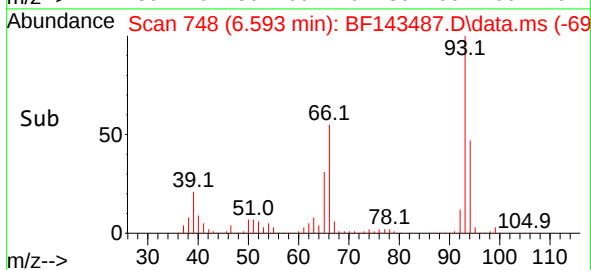
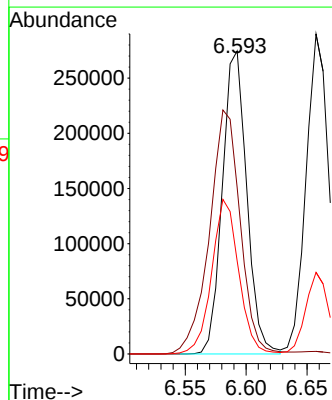
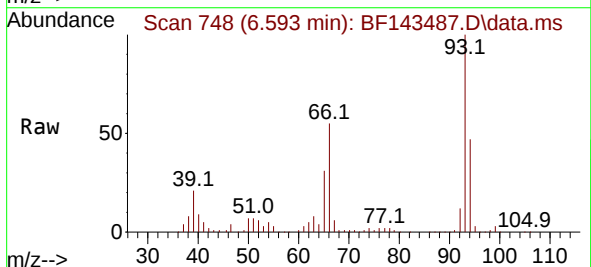
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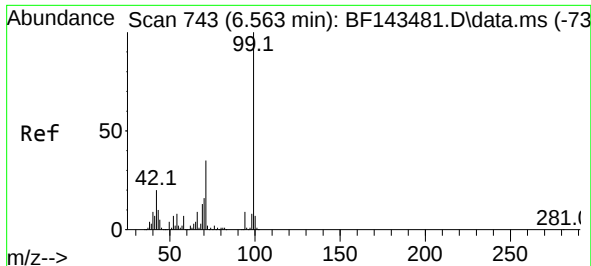
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#6
Aniline
Concen: 28.784 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

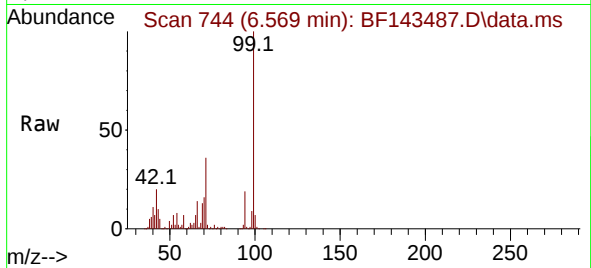
Tgt Ion: 93 Resp: 382550
Ion Ratio Lower Upper
93 100
66 54.9 38.9 58.3
65 30.7 20.6 30.8





#7
Phenol-d6
Concen: 113.852 ng
RT: 6.569 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

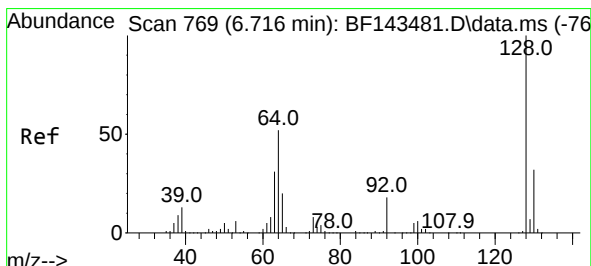
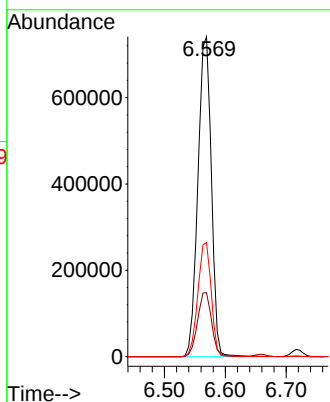
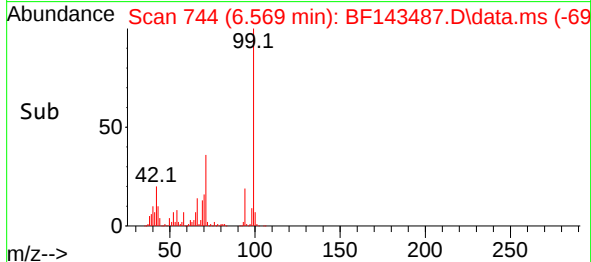
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 1132028
Ion Ratio Lower Upper
99 100
42 20.0 16.3 24.5
71 35.7 28.2 42.2

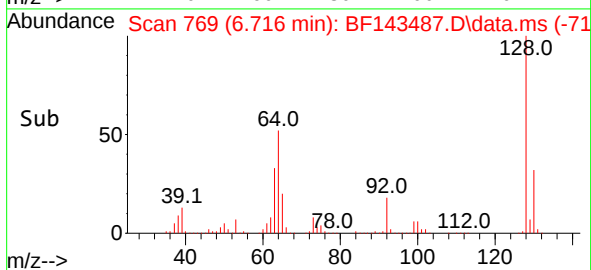
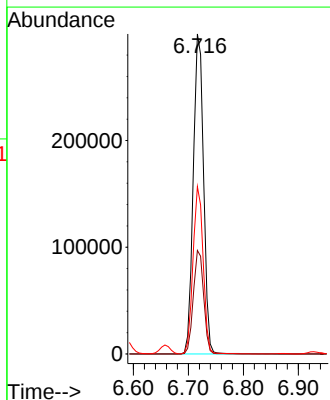
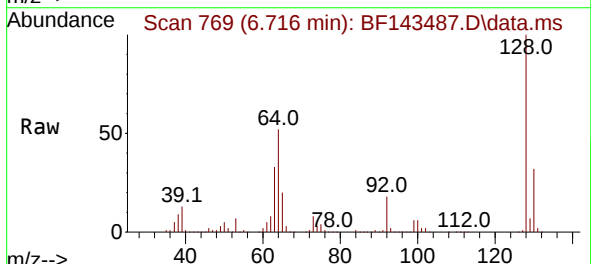
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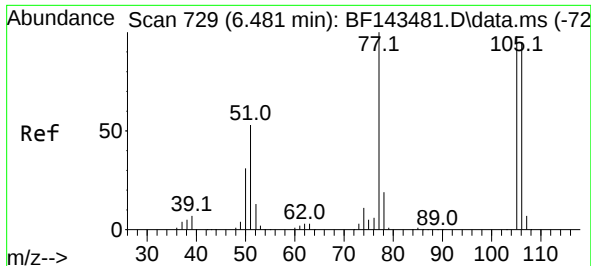
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#8
2-Chlorophenol
Concen: 43.841 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Tgt Ion:128 Resp: 390028
Ion Ratio Lower Upper
128 100
130 32.4 12.4 52.4
64 52.3 31.6 71.6





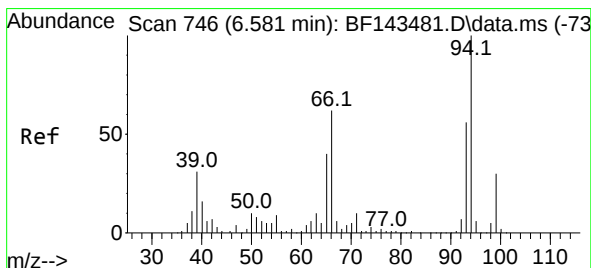
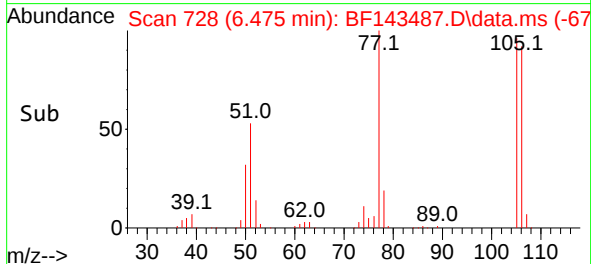
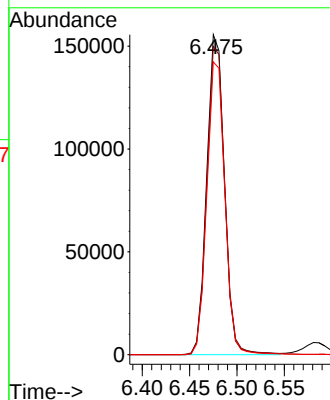
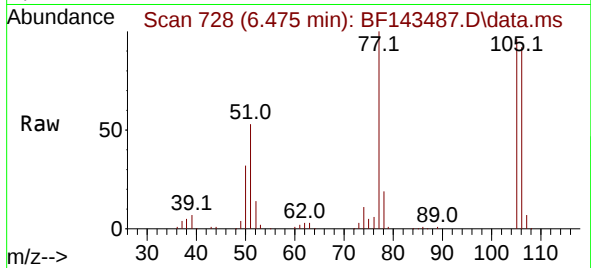
#9
Benzaldehyde
Concen: 25.095 ng
RT: 6.475 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Instrument :
BNA_F
ClientSampleId :
PB169299BS

Tgt Ion: 77 Resp: 20201
Ion Ratio Lower Upper
77 100
105 96.3 78.1 118.1
106 91.5 74.9 114.9

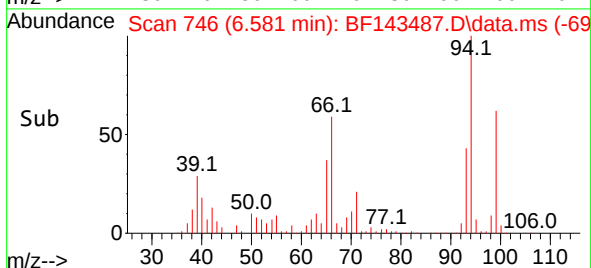
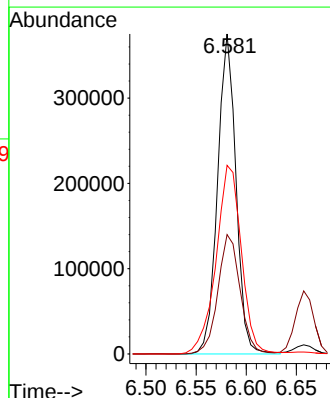
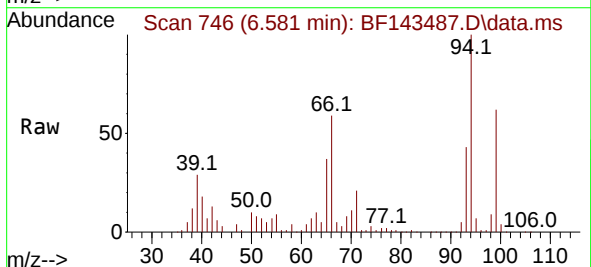
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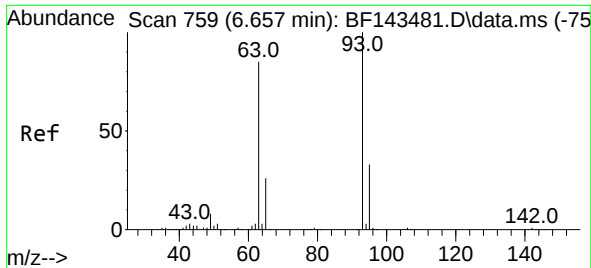
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#10
Phenol
Concen: 41.675 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Tgt Ion: 94 Resp: 477357
Ion Ratio Lower Upper
94 100
65 37.3 19.5 59.5
66 58.9 42.5 82.5





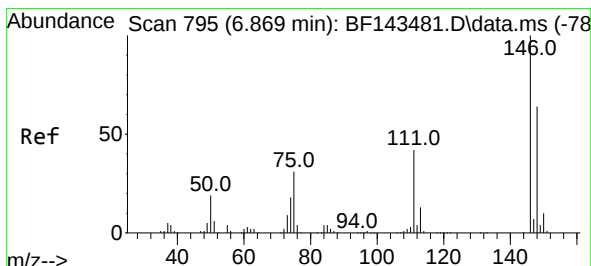
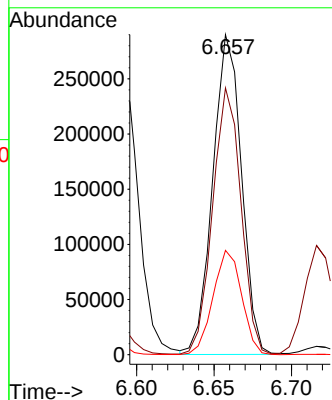
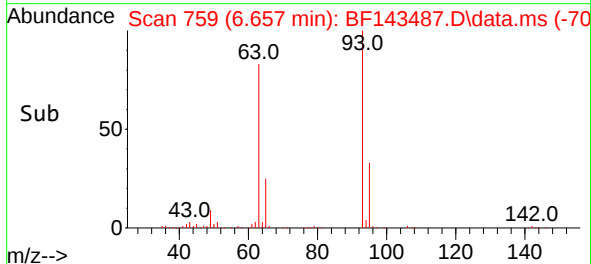
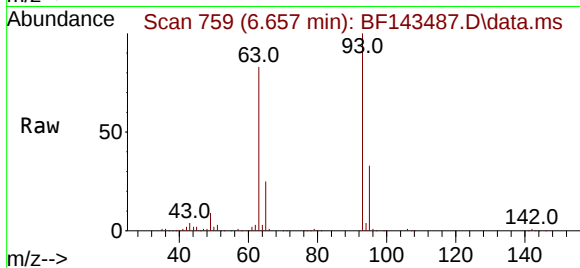
#11
bis(2-Chloroethyl)ether
Concen: 43.721 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Instrument :
BNA_F
ClientSampleId :
PB169299BS

Tgt Ion: 93 Resp: 374230
Ion Ratio Lower Upper
93 100
63 83.4 63.6 103.6
95 32.6 12.8 52.8

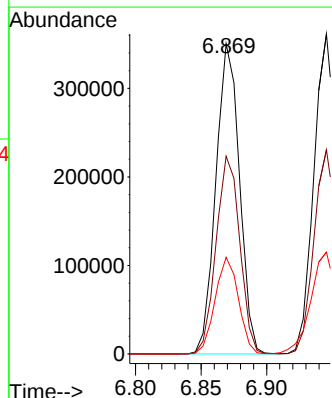
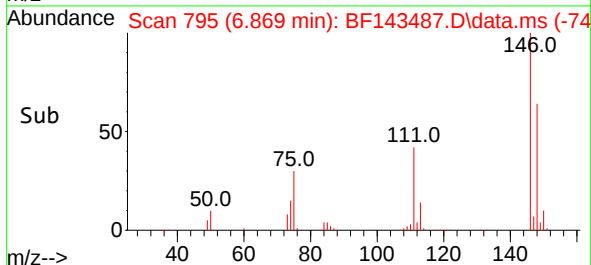
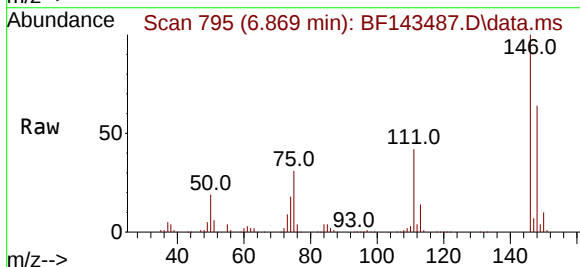
Manual Integrations
APPROVED

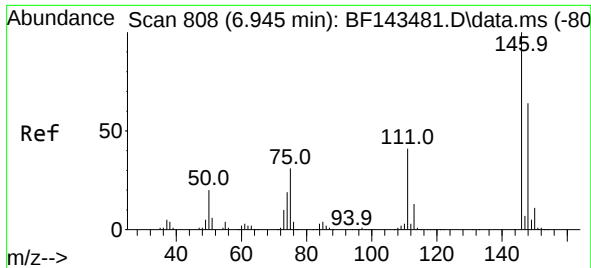
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#12
1,3-Dichlorobenzene
Concen: 43.859 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

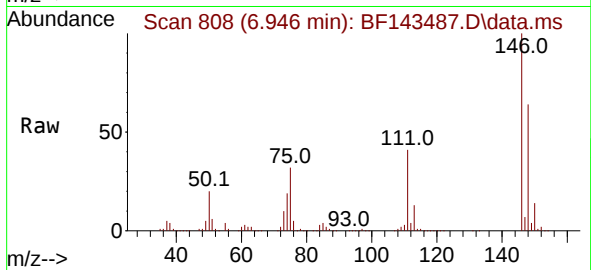
Tgt Ion:146 Resp: 438406
Ion Ratio Lower Upper
146 100
148 63.7 51.3 76.9
75 31.1 24.7 37.1





#13
1,4-Dichlorobenzene
Concen: 44.441 ng
RT: 6.946 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

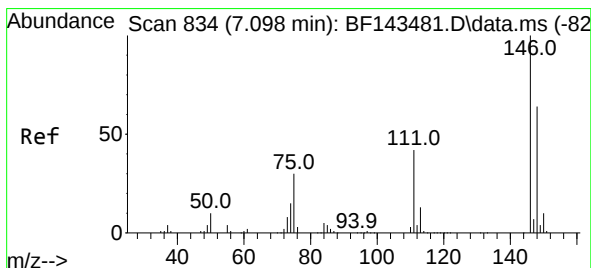
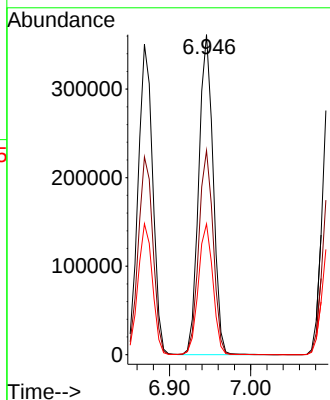
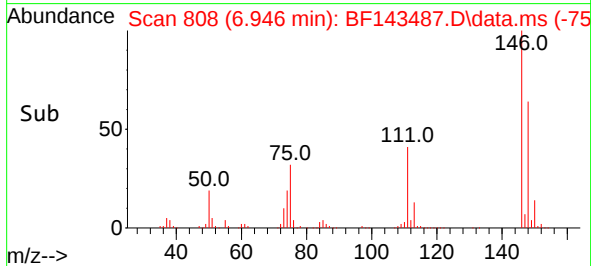
Instrument :
BNA_F
ClientSampleId :
PB169299BS



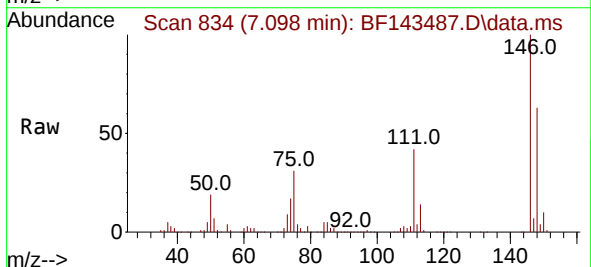
Tgt Ion:146 Resp: 445608
Ion Ratio Lower Upper
146 100
148 63.8 51.5 77.3
111 40.8 32.6 49.0

Manual Integrations
APPROVED

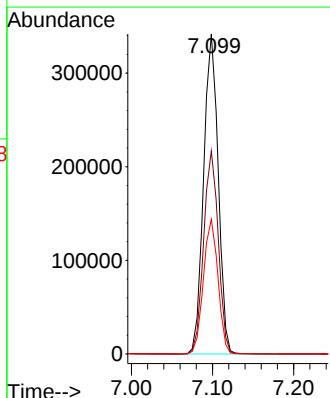
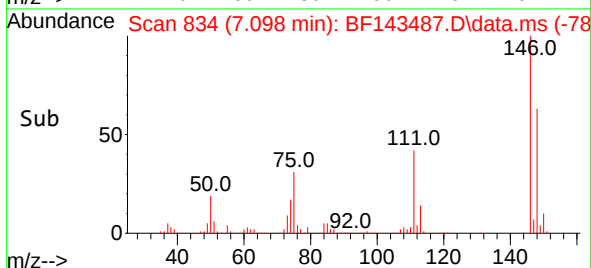
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

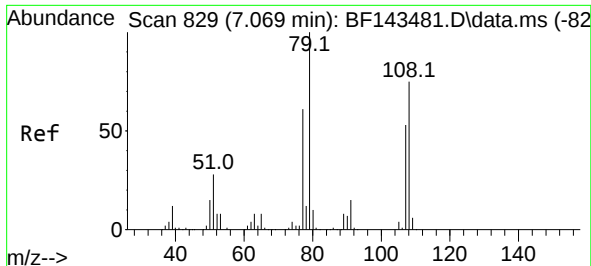


#14
1,2-Dichlorobenzene
Concen: 44.859 ng
RT: 7.098 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15



Tgt Ion:146 Resp: 425866
Ion Ratio Lower Upper
146 100
148 63.4 51.0 76.6
111 42.0 34.0 51.0





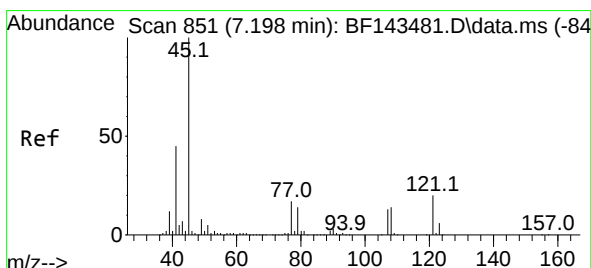
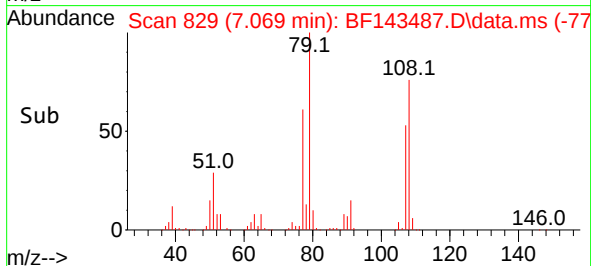
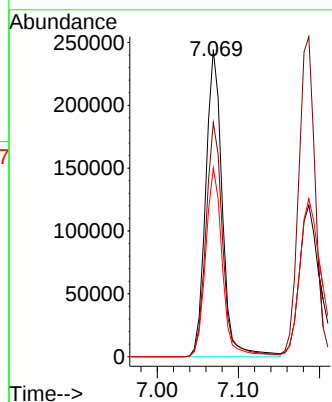
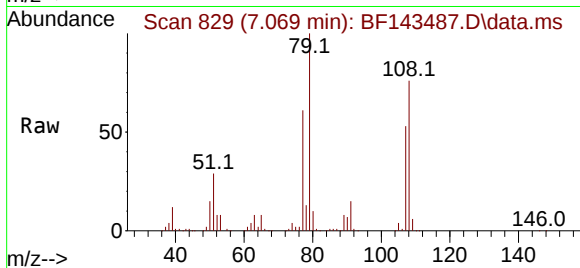
#15
Benzyl Alcohol
Concen: 46.383 ng
RT: 7.069 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Instrument :
BNA_F
ClientSampleId :
PB169299BS

Tgt Ion: 79 Resp: 34528
Ion Ratio Lower Upper
79 100
108 76.2 59.8 89.6
77 61.5 49.0 73.4

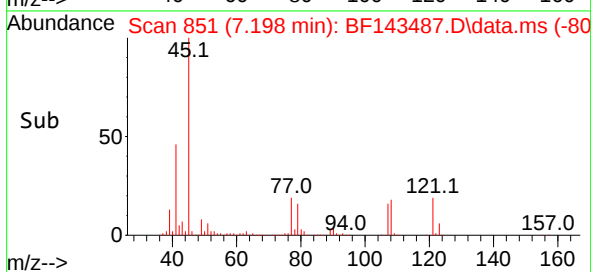
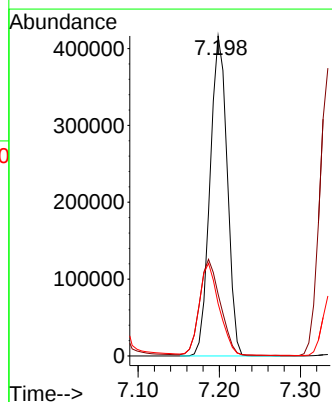
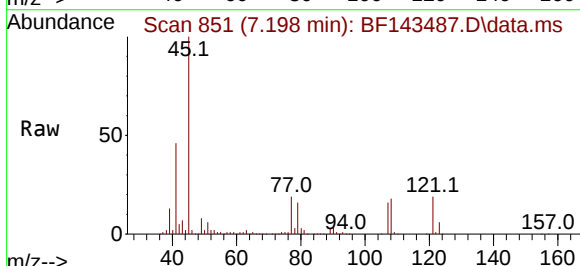
Manual Integrations
APPROVED

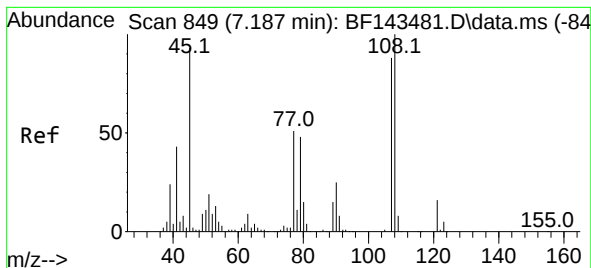
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.772 ng
RT: 7.198 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

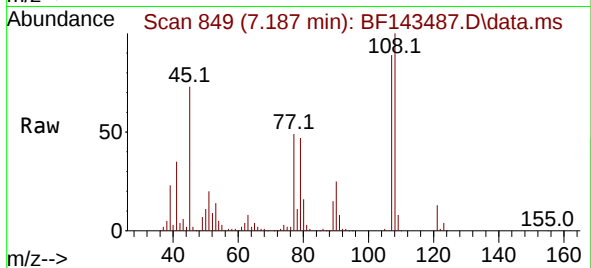
Tgt Ion: 45 Resp: 613109
Ion Ratio Lower Upper
45 100
77 19.3 0.0 37.9
79 16.4 0.0 34.7





#17
2-Methylphenol
Concen: 44.858 ng
RT: 7.187 min Scan# 849
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

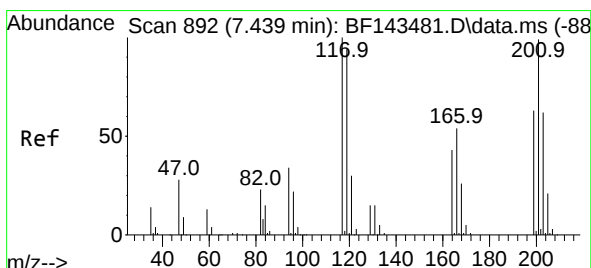
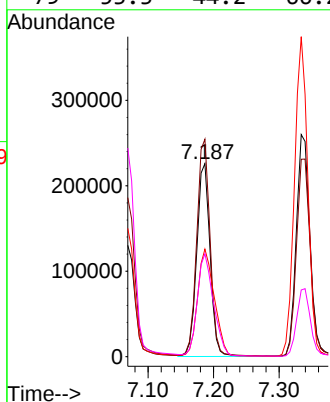
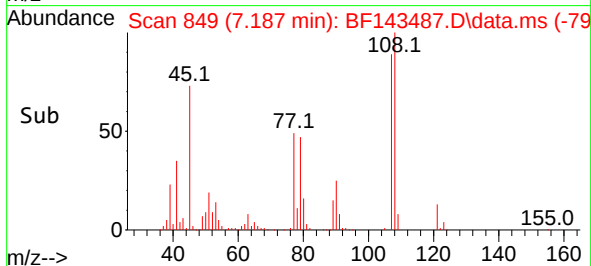
Instrument :
BNA_F
ClientSampleId :
PB169299BS



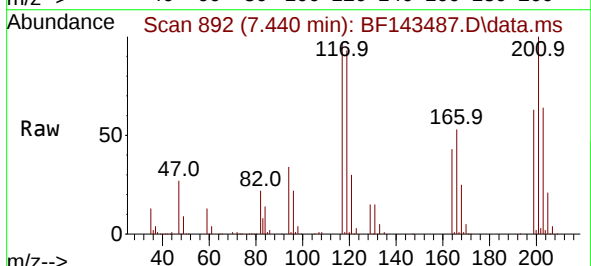
Tgt Ion:107 Resp: 320293
Ion Ratio Lower Upper
107 100
108 112.6 91.1 136.7
77 55.6 46.2 69.4
79 53.3 44.2 66.2

Manual Integrations
APPROVED

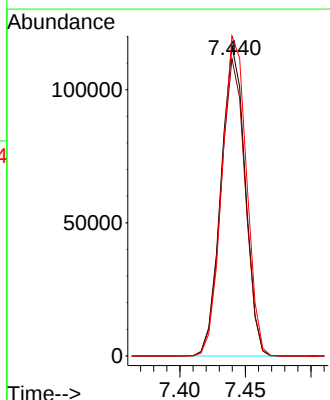
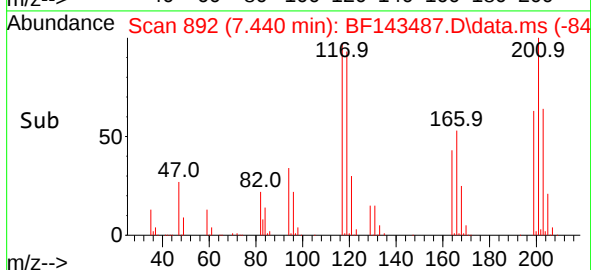
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

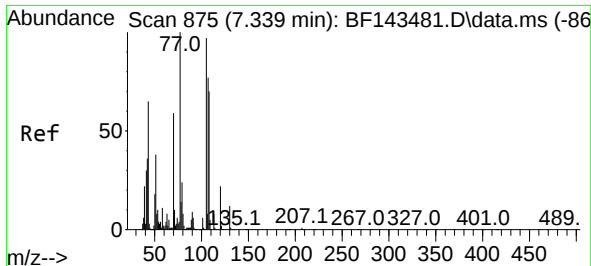


#18
Hexachloroethane
Concen: 43.757 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15



Tgt Ion:117 Resp: 149173
Ion Ratio Lower Upper
117 100
119 95.7 75.4 113.0
201 103.0 79.0 118.4





#19
n-Nitroso-di-n-propylamine
Concen: 45.183 ng
RT: 7.340 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PB169299BS

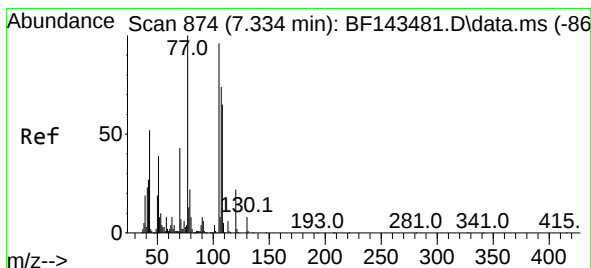
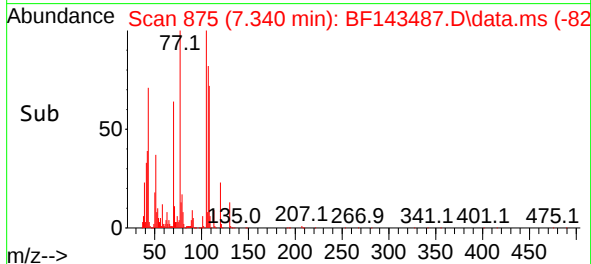
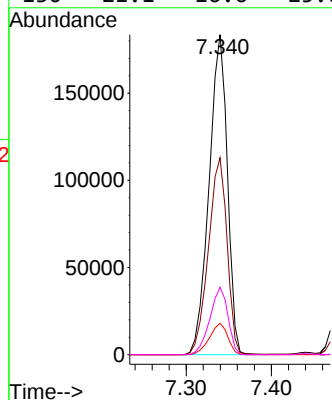
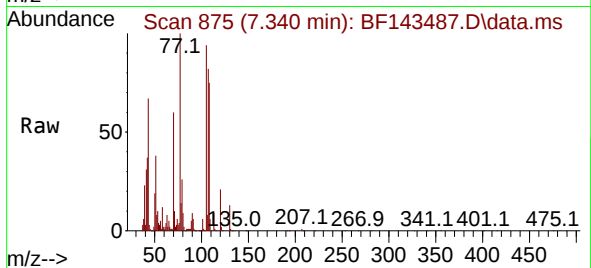
Tgt Ion: 70 Resp: 274590
Ion Ratio Lower Upper
70 100
42 61.5 49.3 73.9
101 9.8 7.8 11.8
130 21.1 16.6 25.0

Manual Integrations

APPROVED

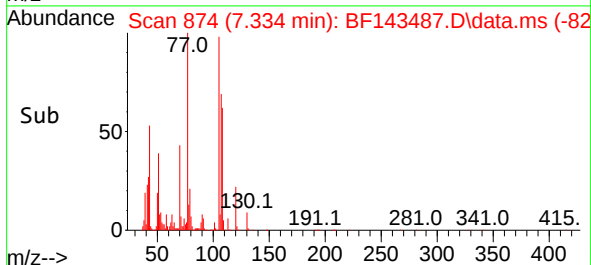
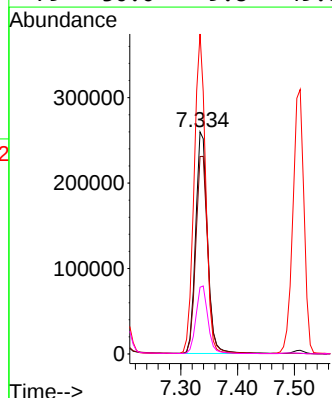
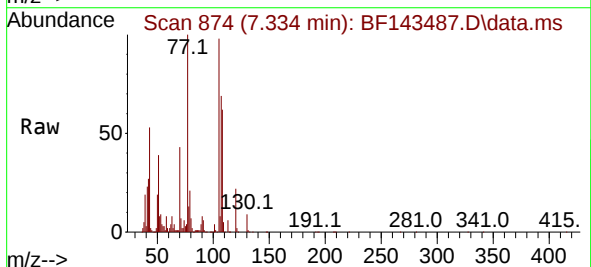
Reviewed By :Rahul Chavli 08/21/2025

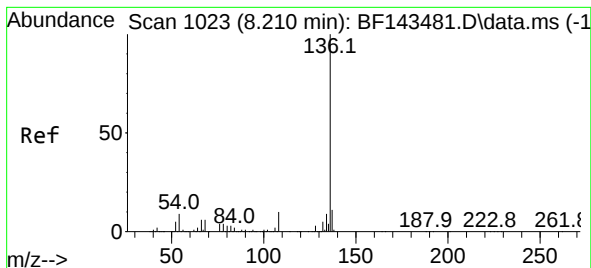
Supervised By :Jagrut Upadhyay 08/21/2025



#20
3+4-Methylphenols
Concen: 44.271 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

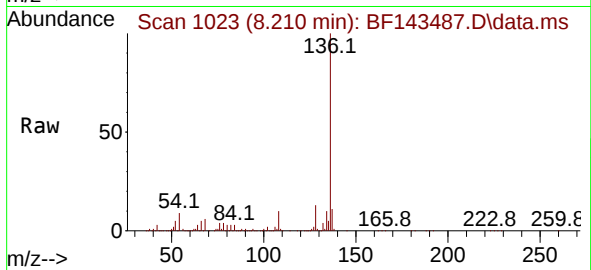
Tgt Ion:107 Resp: 377354
Ion Ratio Lower Upper
107 100
108 88.9 68.4 108.4
77 144.1 116.1 156.1
79 30.0 9.8 49.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

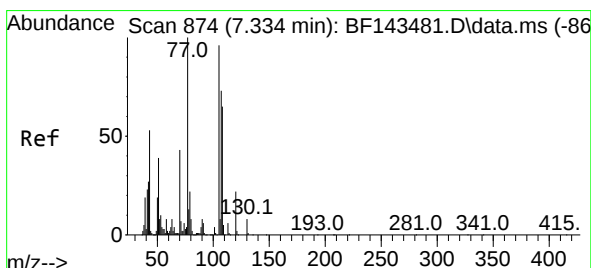
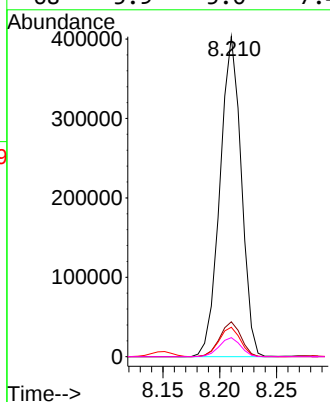
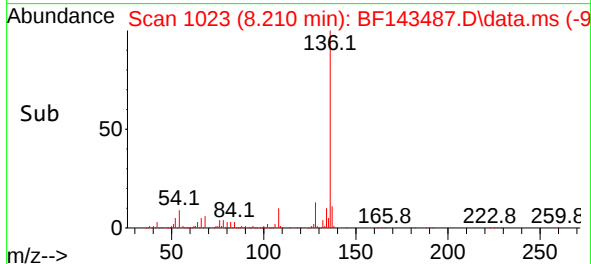
Instrument :
BNA_F
ClientSampleId :
PB169299BS



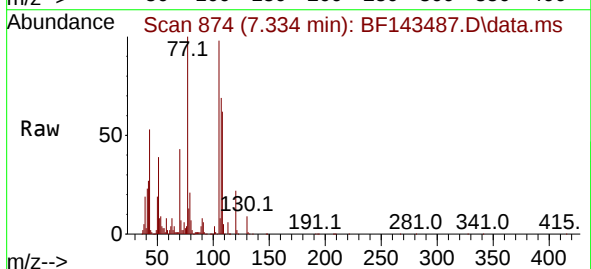
Tgt Ion:136 Resp: 526730
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 9.2 7.4 11.2
68 5.9 5.0 7.4

Manual Integrations
APPROVED

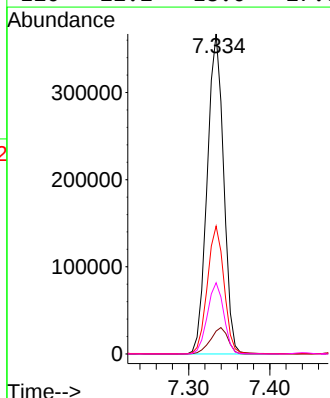
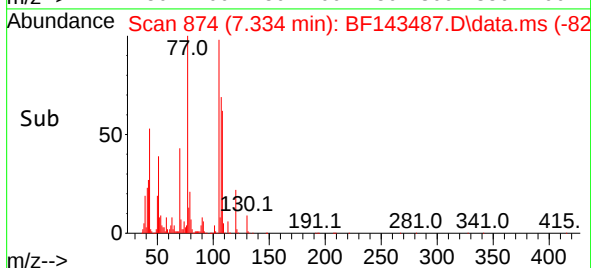
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

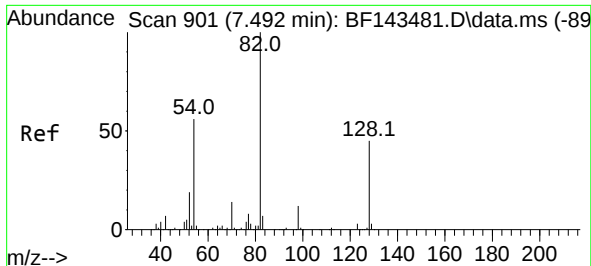


#22
Acetophenone
Concen: 45.370 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15



Tgt Ion:105 Resp: 516296
Ion Ratio Lower Upper
105 100
71 7.2 5.9 8.9
51 40.0 32.5 48.7
120 22.2 18.0 27.0





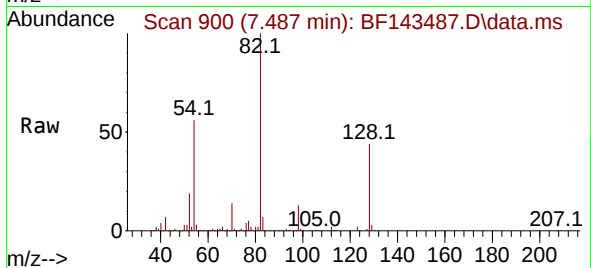
#23
Nitrobenzene-d5
Concen: 83.918 ng
RT: 7.487 min Scan# 901
Delta R.T. -0.012 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PB169299BS

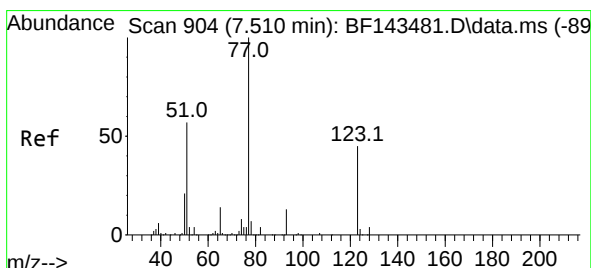
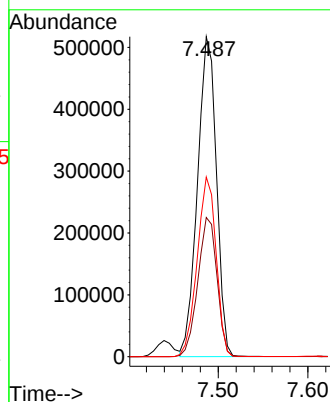
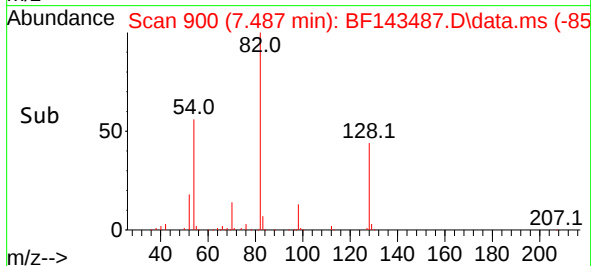


Tgt Ion: 82 Resp: 757469
Ion Ratio Lower Upper
82 100
128 43.5 35.5 53.3
54 56.1 44.3 66.5

Manual Integrations

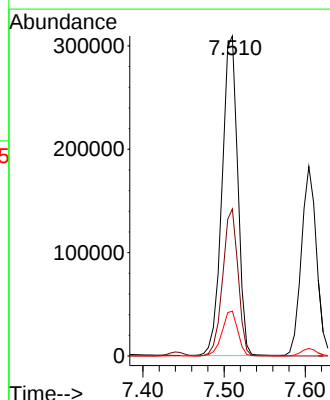
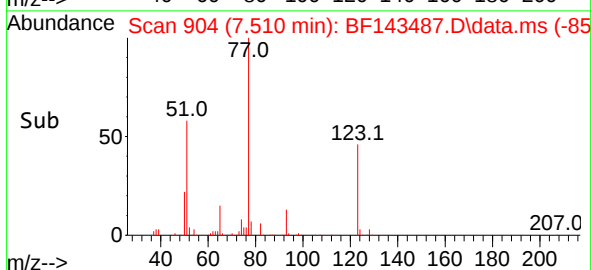
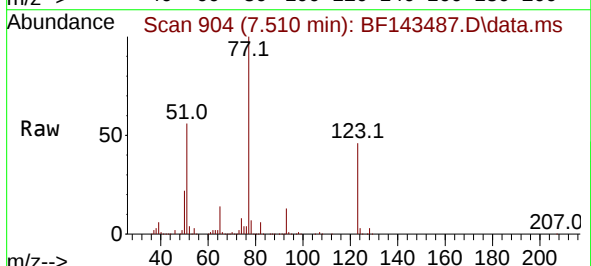
APPROVED

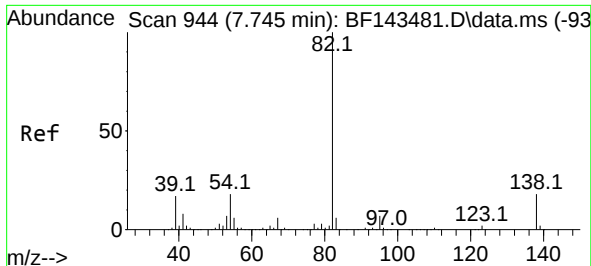
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#24
Nitrobenzene
Concen: 44.856 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

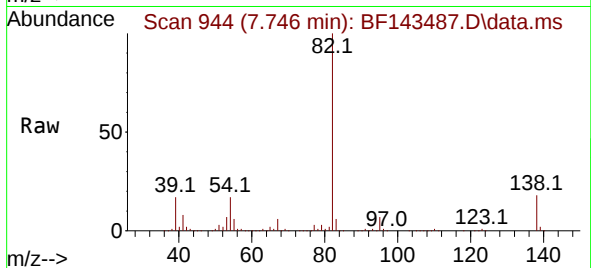
Tgt Ion: 77 Resp: 416718
Ion Ratio Lower Upper
77 100
123 45.9 36.1 54.1
65 14.0 11.0 16.6





#25
Isophorone
Concen: 46.319 ng
RT: 7.746 min Scan# 944
Delta R.T. -0.012 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

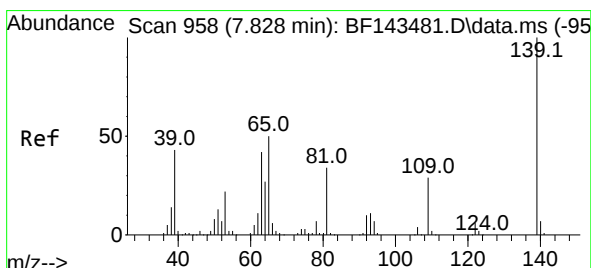
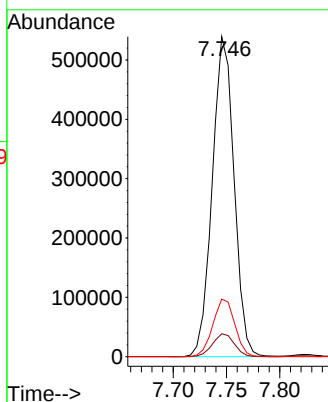
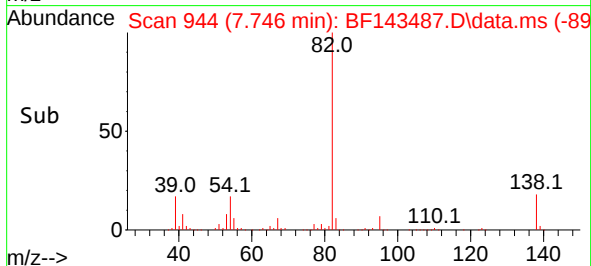
Instrument :
BNA_F
ClientSampleId :
PB169299BS



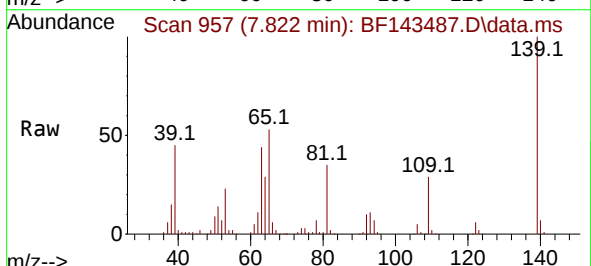
Tgt Ion: 82 Resp: 766390
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 18.0 14.2 21.4

Manual Integrations
APPROVED

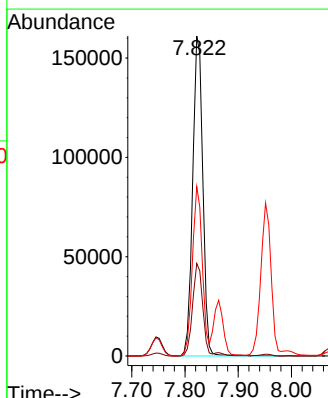
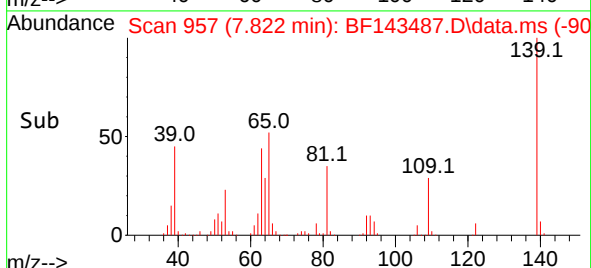
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

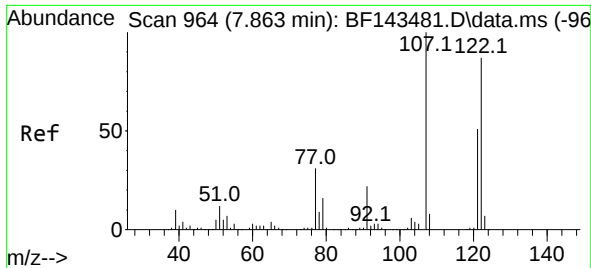


#26
2-Nitrophenol
Concen: 46.863 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15



Tgt Ion:139 Resp: 213260
Ion Ratio Lower Upper
139 100
109 28.9 23.0 34.6
65 52.9 40.3 60.5





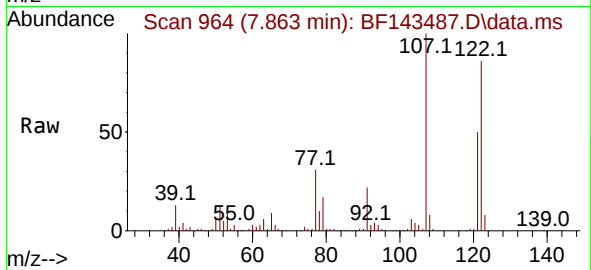
#27
2,4-Dimethylphenol
Concen: 47.371 ng
RT: 7.863 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PB169299BS



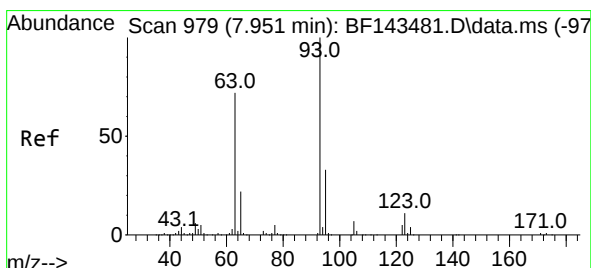
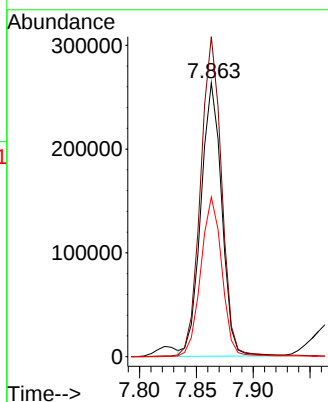
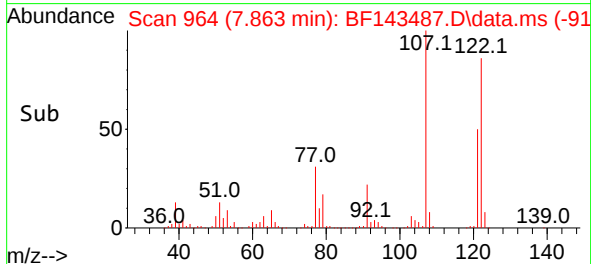
Tgt Ion:122 Resp: 33604
Ion Ratio Lower Upper
122 100
107 116.9 91.5 137.3
121 58.3 47.0 70.4

Manual Integrations

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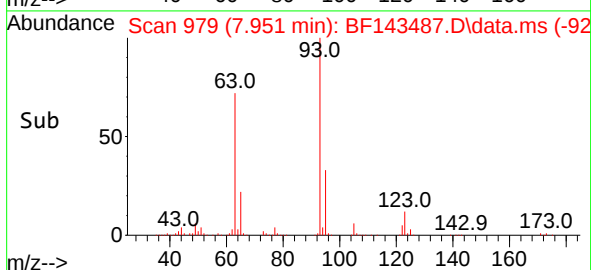
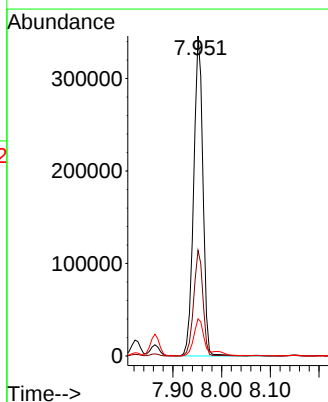
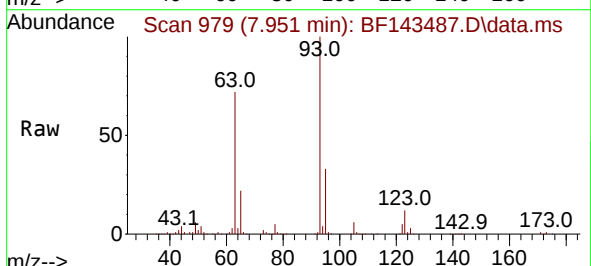
Reviewed By :Rahul Chavli 08/21/2025

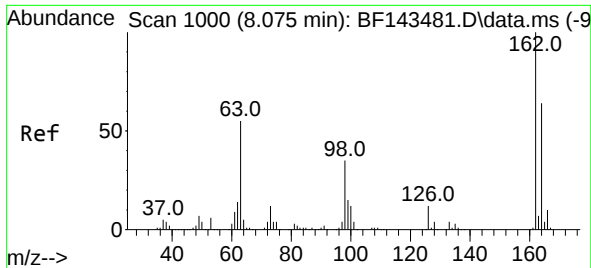
Supervised By :Jagrut Upadhyay 08/21/2025



#28
bis(2-Chloroethoxy)methane
Concen: 45.400 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

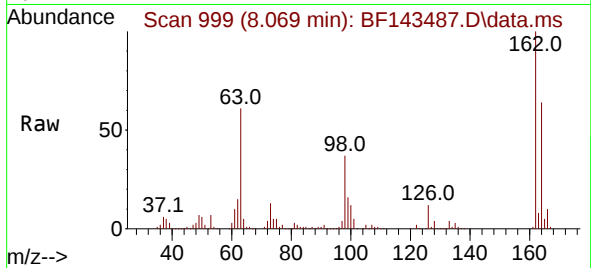
Tgt Ion: 93 Resp: 461649
Ion Ratio Lower Upper
93 100
95 33.0 26.0 39.0
123 11.6 9.1 13.7





#29
2,4-Dichlorophenol
Concen: 44.355 ng
RT: 8.069 min Scan# 999
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

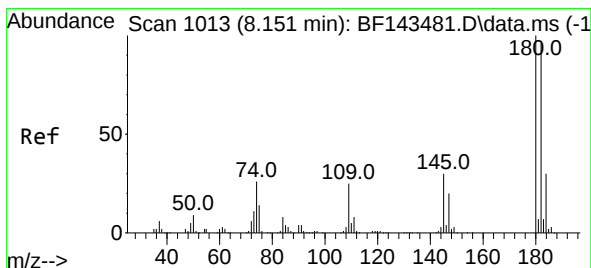
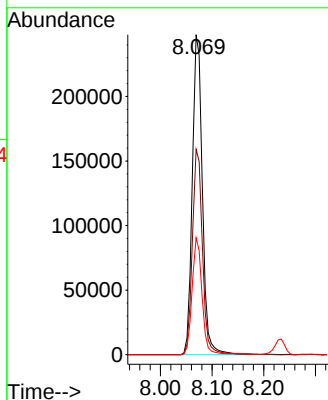
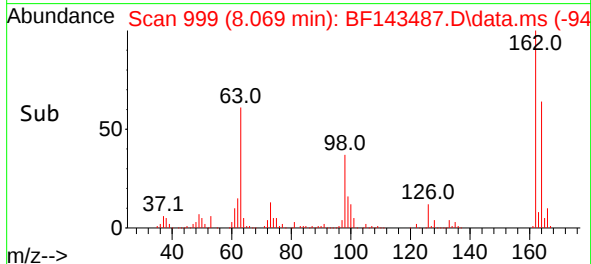
Instrument :
BNA_F
ClientSampleId :
PB169299BS



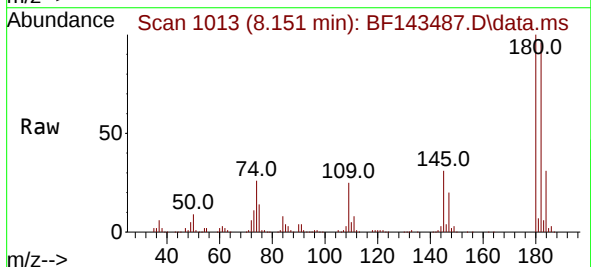
Tgt Ion:162 Resp: 336050
Ion Ratio Lower Upper
162 100
164 64.2 43.5 83.5
98 36.6 15.1 55.1

Manual Integrations
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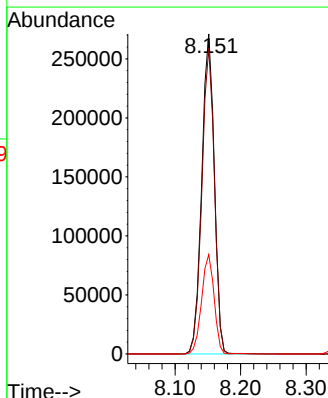
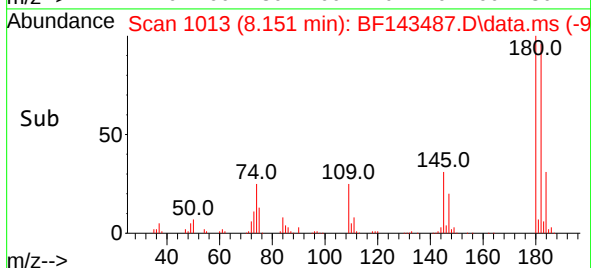
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

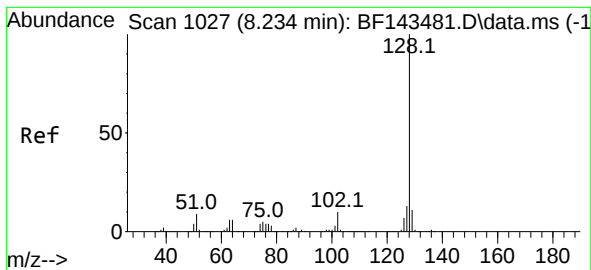


#30
1,2,4-Trichlorobenzene
Concen: 46.593 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15



Tgt Ion:180 Resp: 362942
Ion Ratio Lower Upper
180 100
182 95.6 76.6 114.8
145 31.0 24.3 36.5





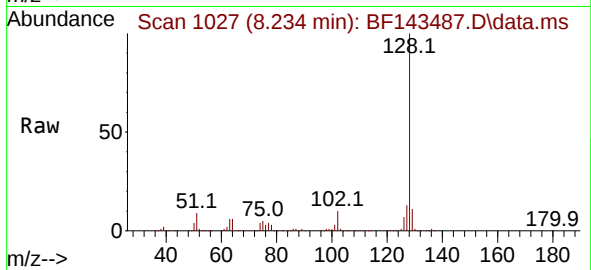
#31
Naphthalene
Concen: 43.691 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PB169299BS



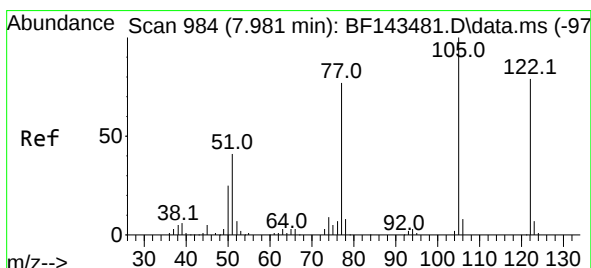
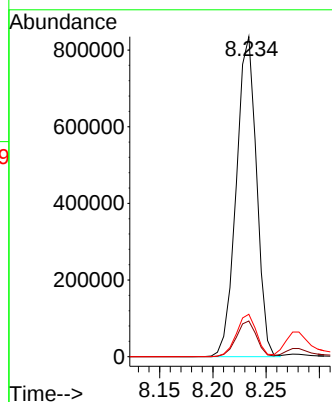
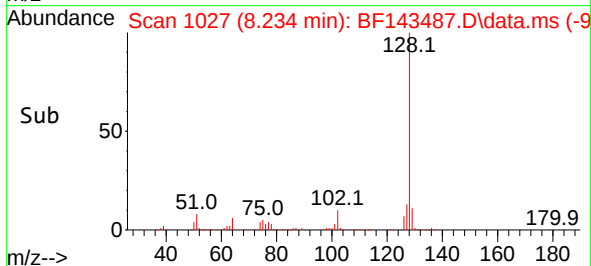
Tgt Ion:128 Resp: 1104870
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.3 10.6 16.0

Manual Integrations

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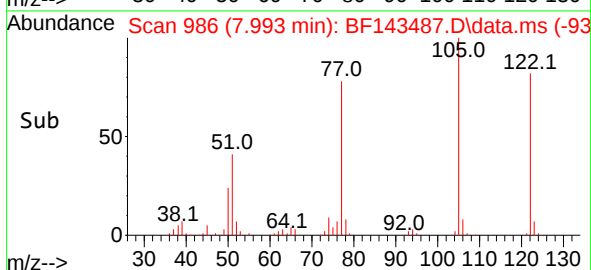
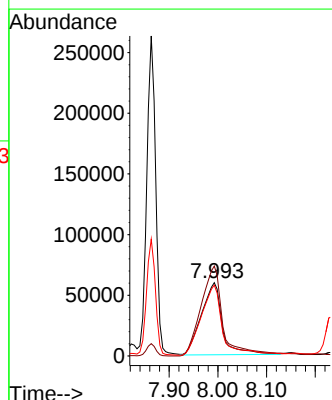
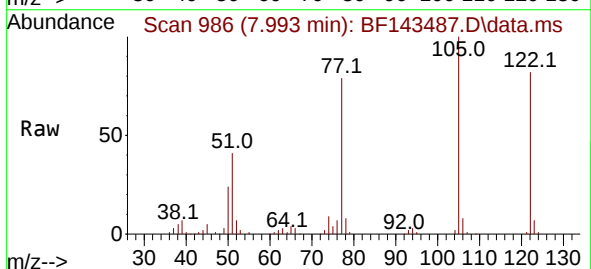
Reviewed By :Rahul Chavli 08/21/2025

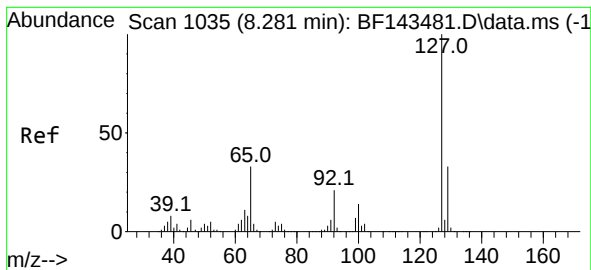
Supervised By :Jagrut Upadhyay 08/21/2025



#32
Benzoic acid
Concen: 44.969 ng
RT: 7.993 min Scan# 986
Delta R.T. -0.017 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

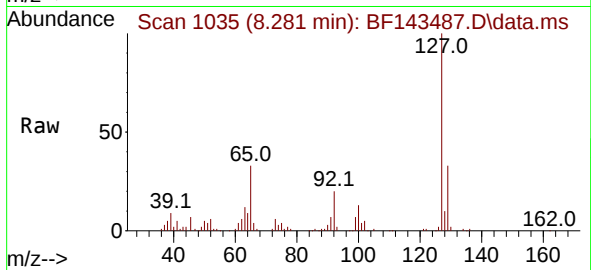
Tgt Ion:122 Resp: 179561
Ion Ratio Lower Upper
122 100
105 122.7 104.7 144.7
77 96.6 77.3 117.3





#33
4-Chloroaniline
Concen: 13.766 ng
RT: 8.281 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

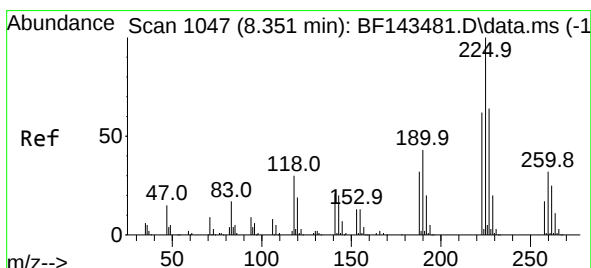
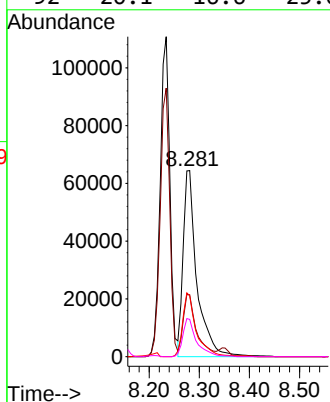
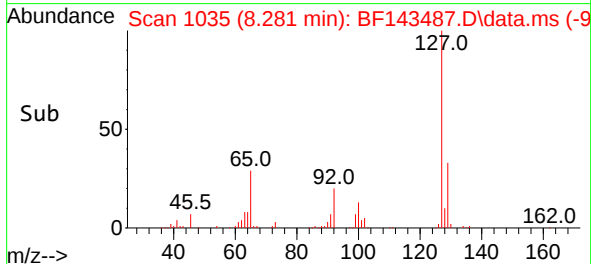
Instrument :
BNA_F
ClientSampleId :
PB169299BS



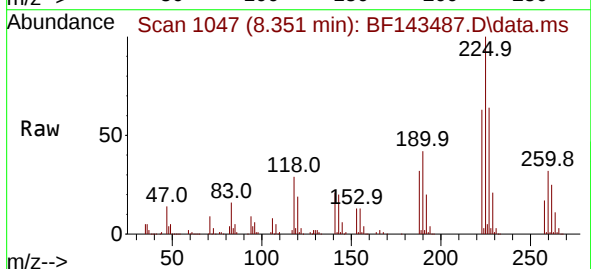
Tgt Ion:127 Resp: 123558
Ion Ratio Lower Upper
127 100
129 33.3 26.1 39.1
65 32.7 26.2 39.2
92 20.1 16.6 25.0

Manual Integrations
APPROVED

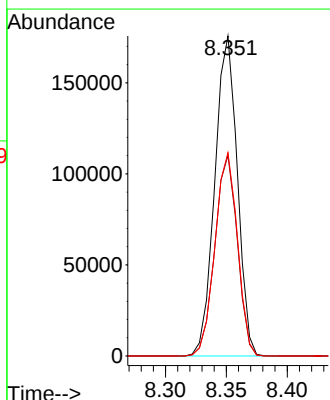
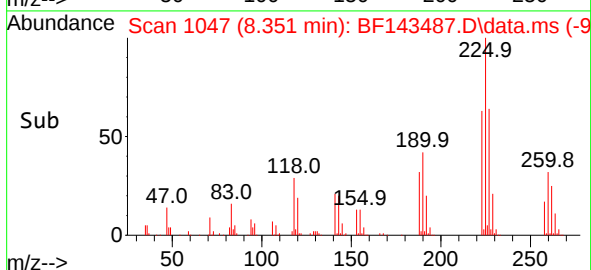
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

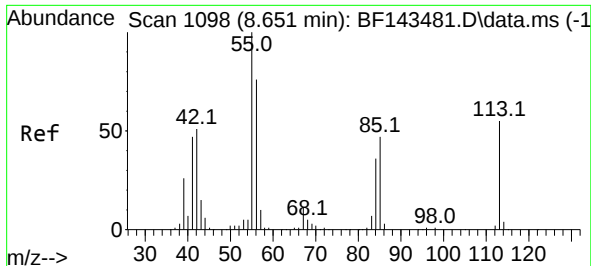


#34
Hexachlorobutadiene
Concen: 44.516 ng
RT: 8.351 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15



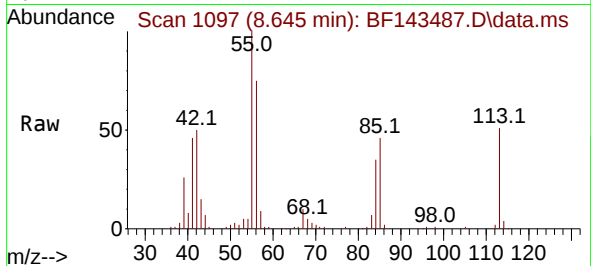
Tgt Ion:225 Resp: 226236
Ion Ratio Lower Upper
225 100
223 62.7 49.9 74.9
227 63.6 50.9 76.3





#35
 Caprolactam
 Concen: 51.608 ng m
 RT: 8.645 min Scan# 1097
 Delta R.T. -0.029 min
 Lab File: BF143487.D
 Acq: 20 Aug 2025 16:15

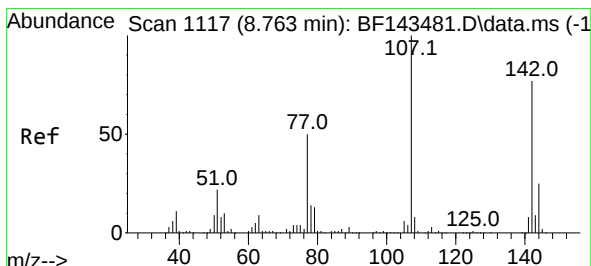
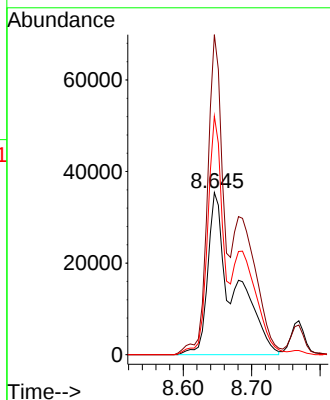
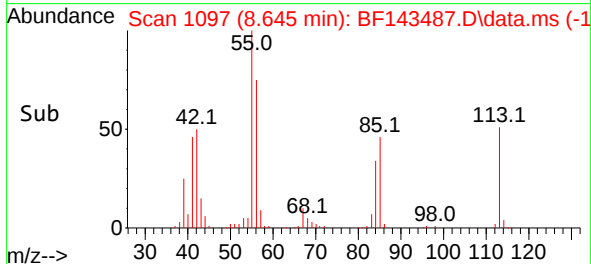
Instrument :
 BNA_F
 ClientSampleId :
 PB169299BS



Tgt Ion:113 Resp: 93824
 Ion Ratio Lower Upper
 113 100
 55 197.5 162.8 202.8
 56 147.2 118.1 158.1

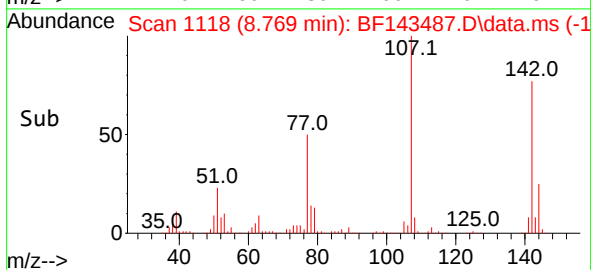
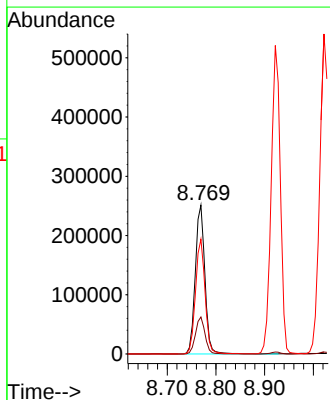
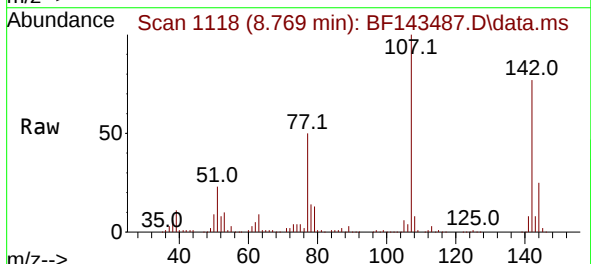
Manual Integrations
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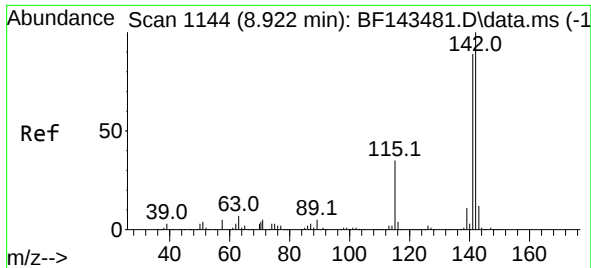
Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :Jagrut Upadhyay 08/21/2025



#36
 4-Chloro-3-methylphenol
 Concen: 45.589 ng
 RT: 8.769 min Scan# 1118
 Delta R.T. 0.000 min
 Lab File: BF143487.D
 Acq: 20 Aug 2025 16:15

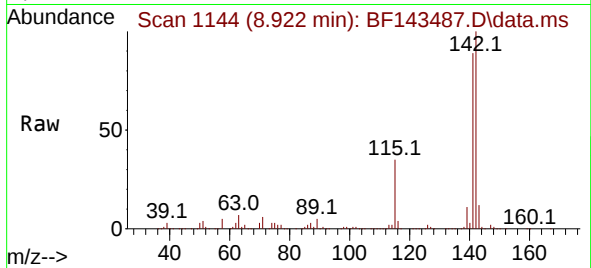
Tgt Ion:107 Resp: 346139
 Ion Ratio Lower Upper
 107 100
 144 24.8 19.9 29.9
 142 77.1 61.8 92.8





#37
2-Methylnaphthalene
Concen: 40.082 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

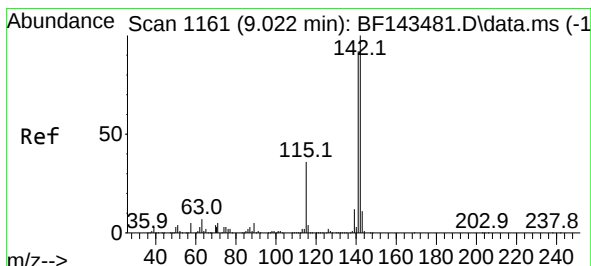
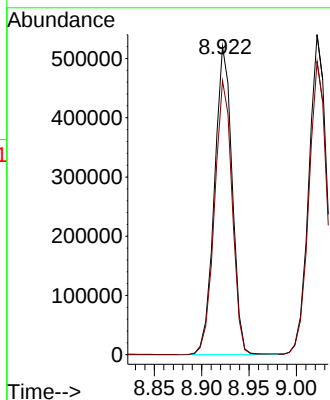
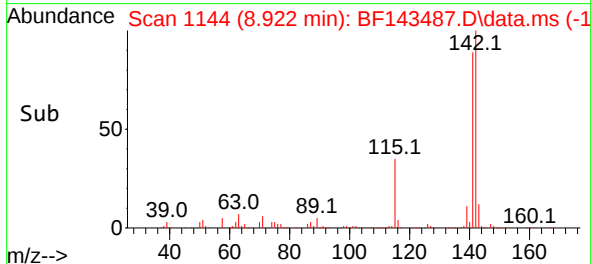
Instrument :
BNA_F
ClientSampleId :
PB169299BS



Tgt Ion:142 Resp: 67698
Ion Ratio Lower Upper
142 100
141 88.8 71.0 106.4

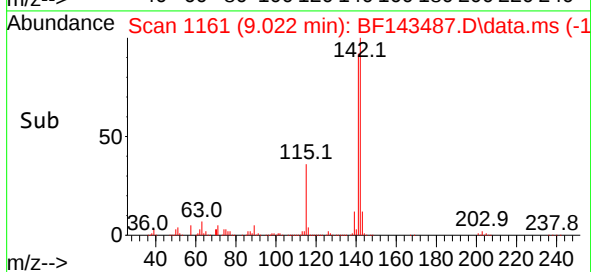
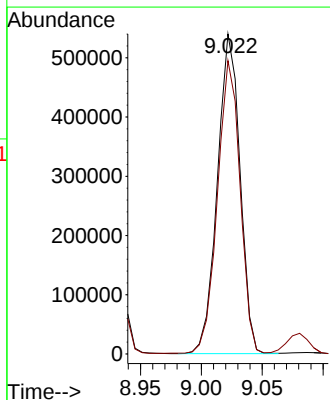
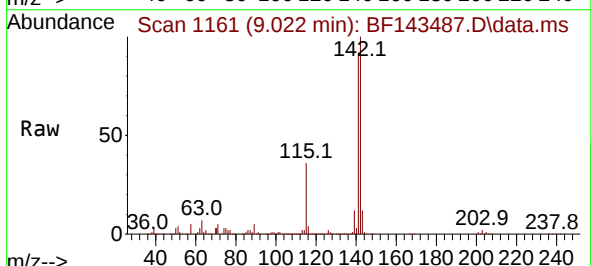
Manual Integrations
APPROVED

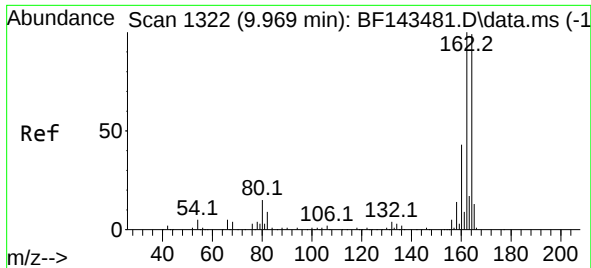
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#38
1-Methylnaphthalene
Concen: 43.193 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

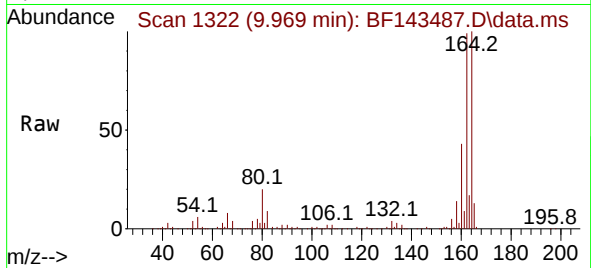
Tgt Ion:142 Resp: 697822
Ion Ratio Lower Upper
142 100
141 91.6 73.3 109.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

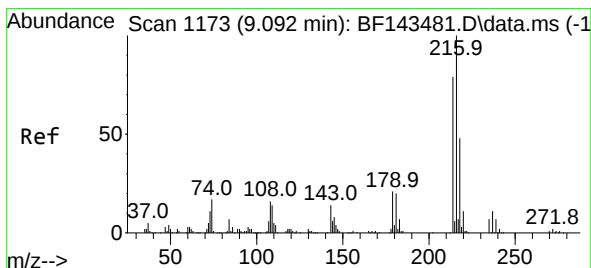
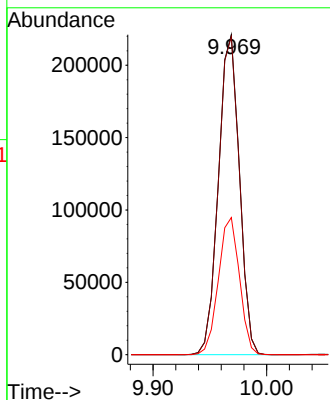
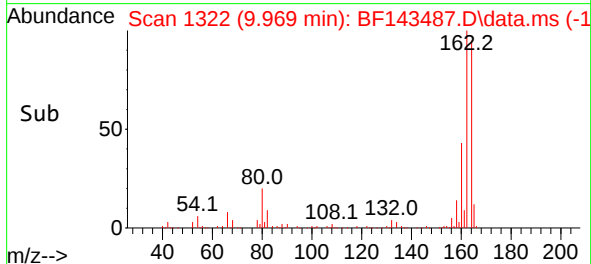
Instrument :
BNA_F
ClientSampleId :
PB169299BS



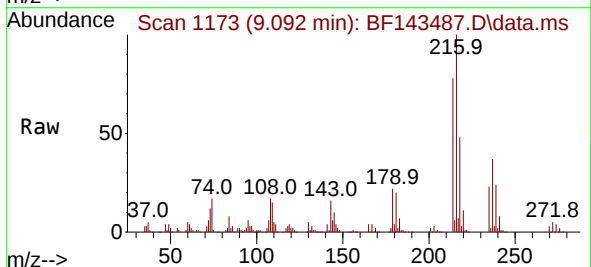
Tgt Ion:164 Resp: 28400
Ion Ratio Lower Upper
164 100
162 99.4 80.5 120.7
160 42.8 34.3 51.5

Manual Integrations
APPROVED

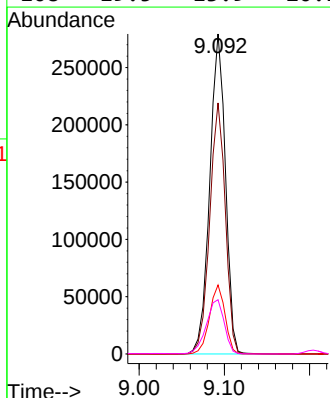
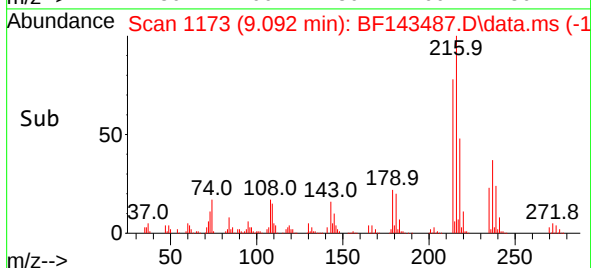
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

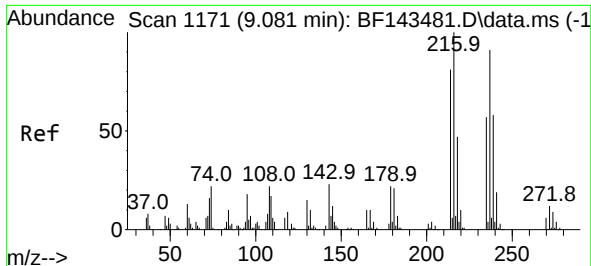


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.979 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15



Tgt Ion:216 Resp: 357261
Ion Ratio Lower Upper
216 100
214 78.1 63.4 95.0
179 21.3 16.5 24.7
108 19.5 13.9 20.9





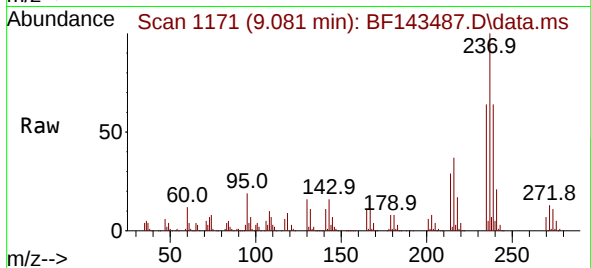
#41
Hexachlorocyclopentadiene
Concen: 118.941 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PB169299BS



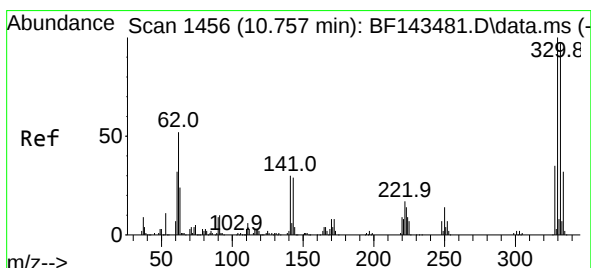
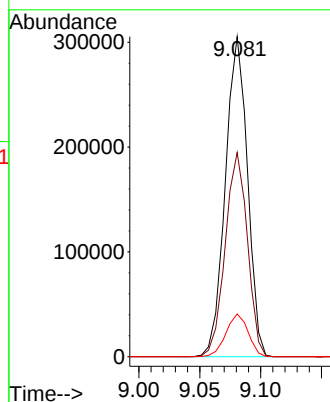
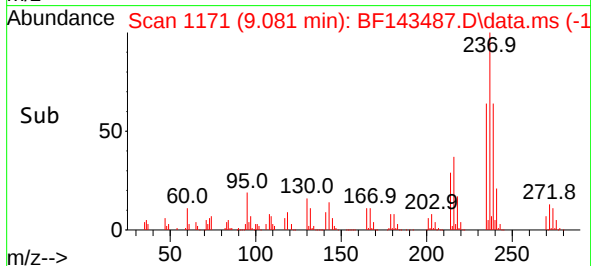
Tgt Ion:237 Resp: 386198
Ion Ratio Lower Upper
237 100
235 63.8 42.6 82.6
272 13.3 0.0 33.4

Manual Integrations

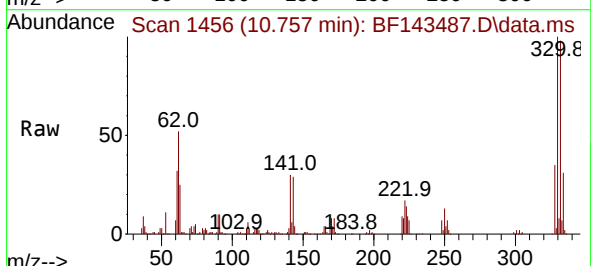
APPROVED

Reviewed By :Rahul Chavli 08/21/2025

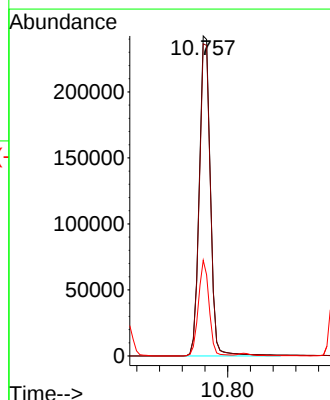
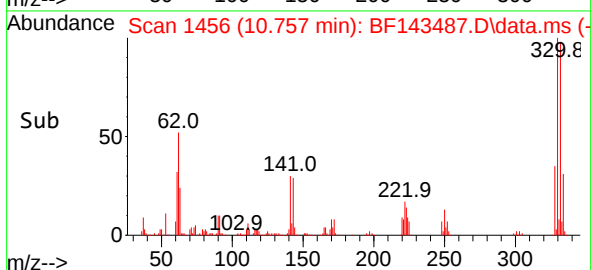
Supervised By :Jagrut Upadhyay 08/21/2025

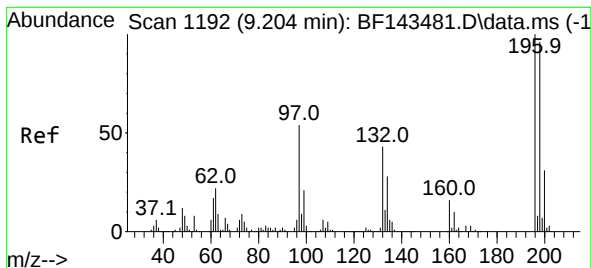


#42
2,4,6-Tribromophenol
Concen: 124.922 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15



Tgt Ion:330 Resp: 330247
Ion Ratio Lower Upper
330 100
332 98.0 78.0 117.0
141 28.8 23.7 35.5





#43

2,4,6-Trichlorophenol

Concen: 45.544 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143487.D

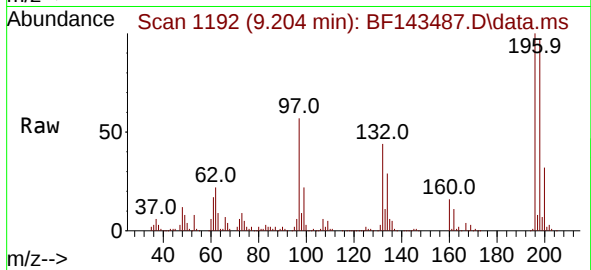
Acq: 20 Aug 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PB169299BS



Tgt Ion:196 Resp: 227659

Ion Ratio Lower Upper

196 100

198 96.7 77.0 115.4

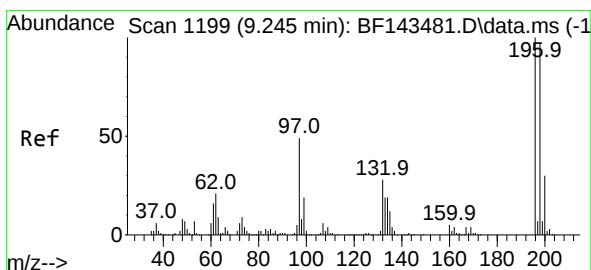
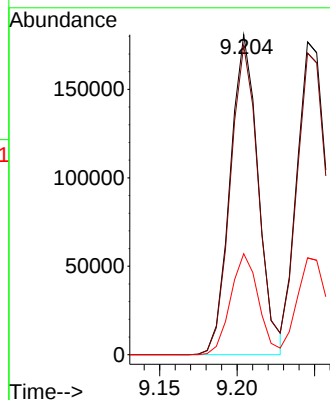
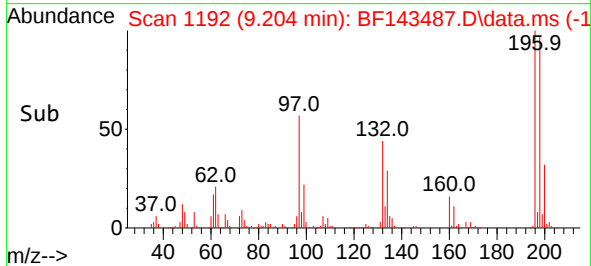
200 31.5 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#44

2,4,5-Trichlorophenol

Concen: 44.684 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143487.D

Acq: 20 Aug 2025 16:15

Tgt Ion:196 Resp: 243980

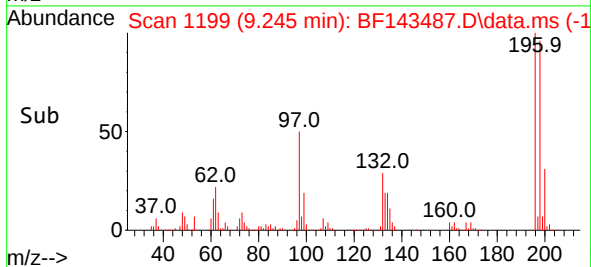
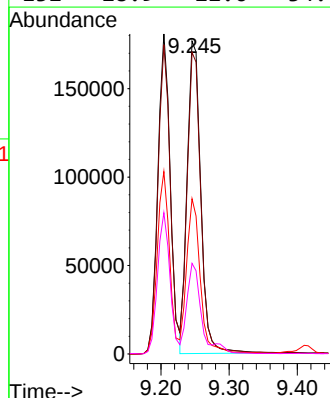
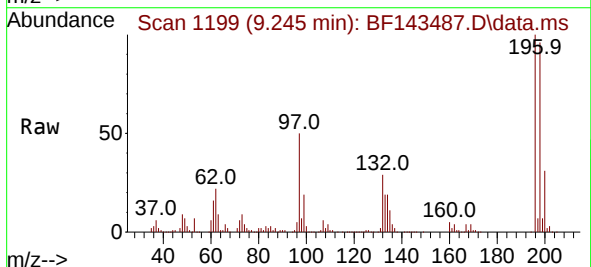
Ion Ratio Lower Upper

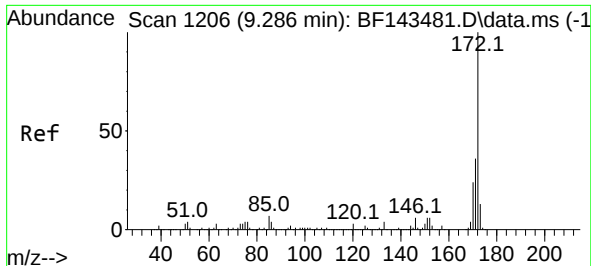
196 100

198 96.4 77.3 115.9

97 49.6 40.0 60.0

132 28.9 22.6 34.0





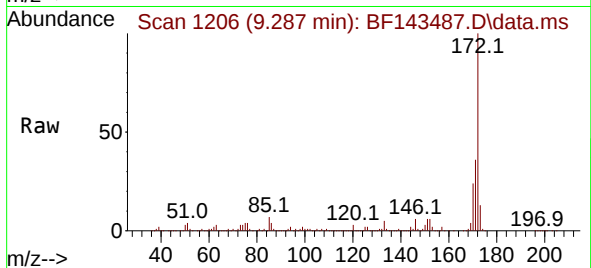
#45
2-Fluorobiphenyl
Concen: 80.622 ng
RT: 9.287 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PB169299BS

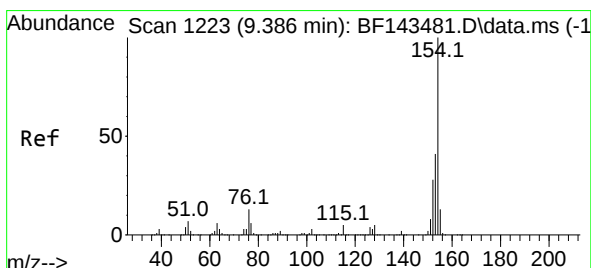
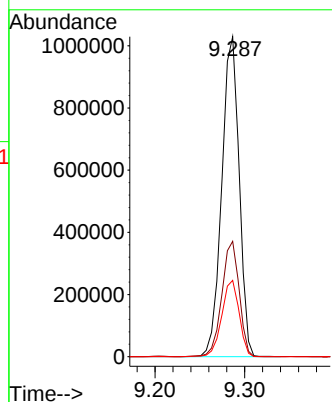
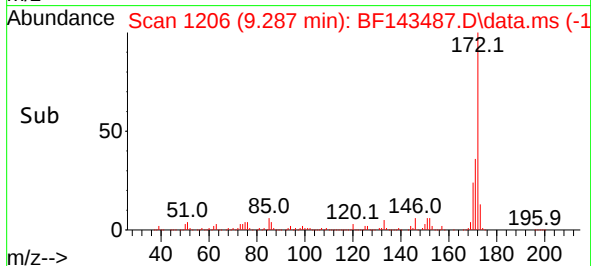


Tgt Ion:172 Resp: 138543
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 23.9 18.8 28.2

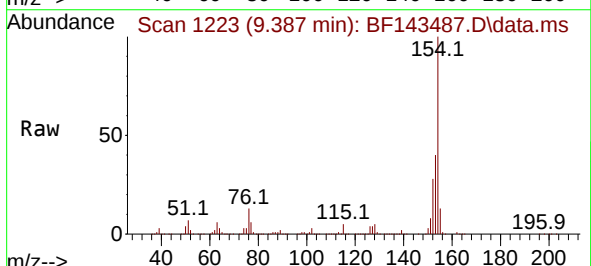
Manual Integrations

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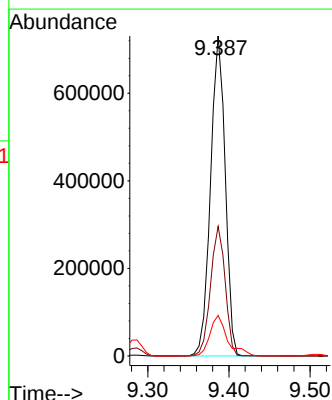
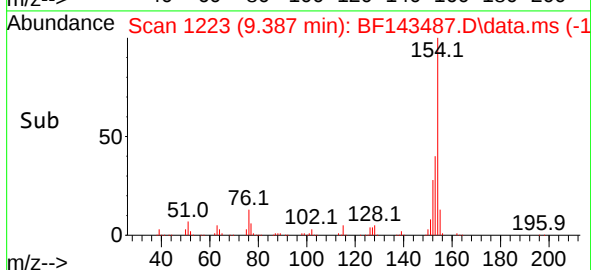
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

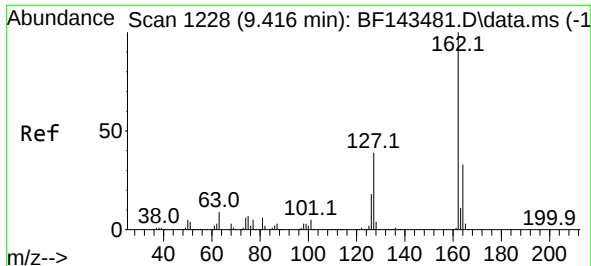


#46
1,1'-Biphenyl
Concen: 45.377 ng
RT: 9.387 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15



Tgt Ion:154 Resp: 914709
Ion Ratio Lower Upper
154 100
153 40.5 20.6 60.6
76 12.7 0.0 33.0





#47

2-Chloronaphthalene

Concen: 44.301 ng

RT: 9.416 min Scan# 1228

Delta R.T. 0.000 min

Lab File: BF143487.D

Acq: 20 Aug 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PB169299BS

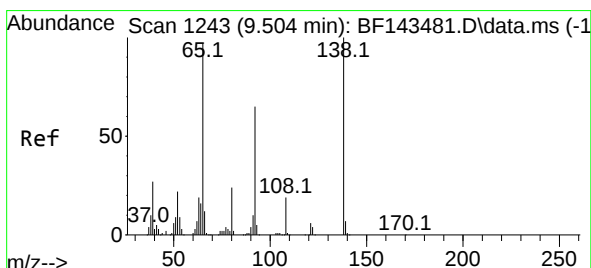
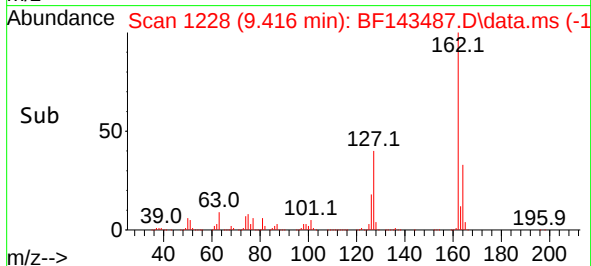
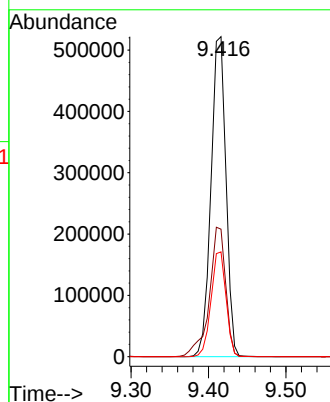
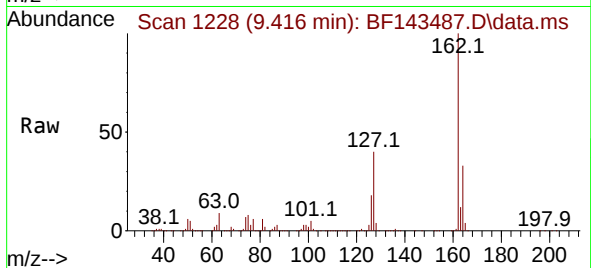
Tgt Ion:162 Resp: 700678
 Ion Ratio Lower Upper
 162 100
 127 39.9 31.8 47.6
 164 32.8 26.4 39.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#48

2-Nitroaniline

Concen: 47.231 ng

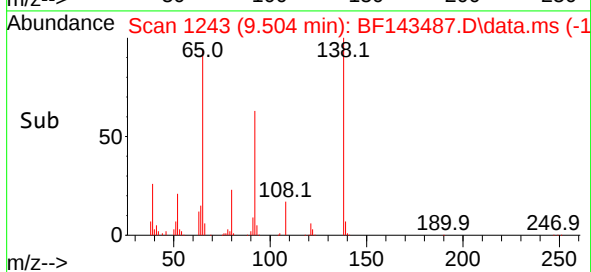
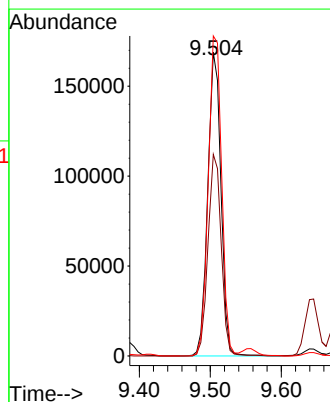
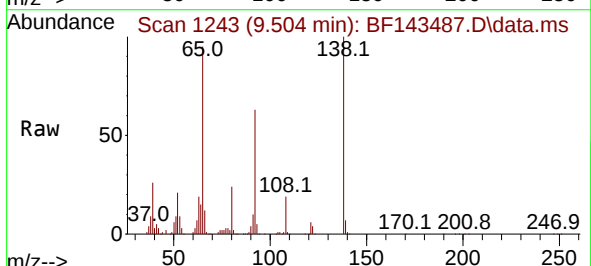
RT: 9.504 min Scan# 1243

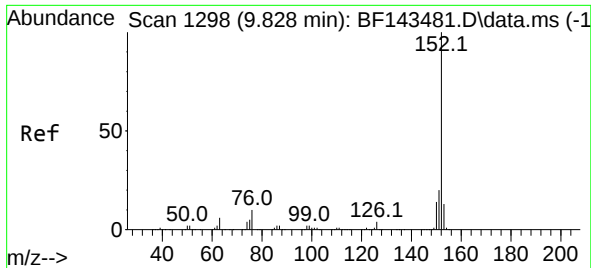
Delta R.T. -0.006 min

Lab File: BF143487.D

Acq: 20 Aug 2025 16:15

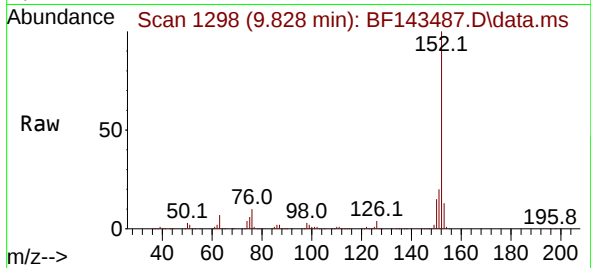
Tgt Ion: 65 Resp: 218623
 Ion Ratio Lower Upper
 65 100
 92 66.4 53.8 80.6
 138 105.4 82.4 123.6





#49
Acenaphthylene
Concen: 48.801 ng
RT: 9.828 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

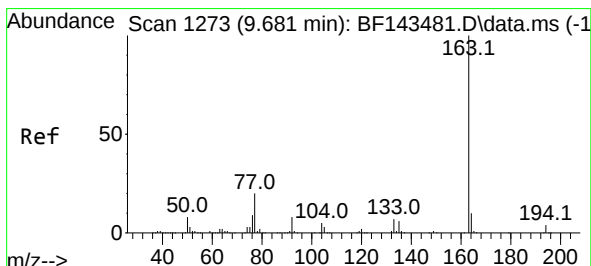
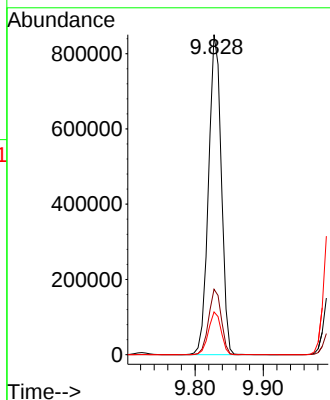
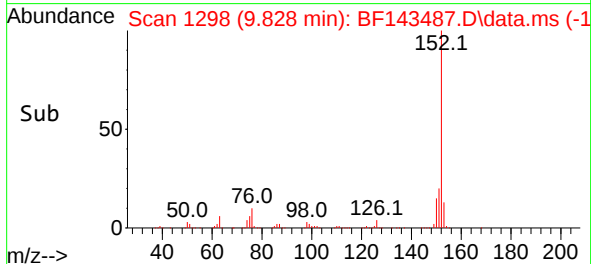
Instrument :
BNA_F
ClientSampleId :
PB169299BS



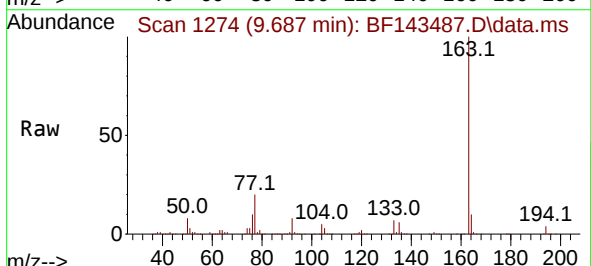
Tgt Ion:152 Resp: 1105180
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.4
153 13.4 10.6 15.8

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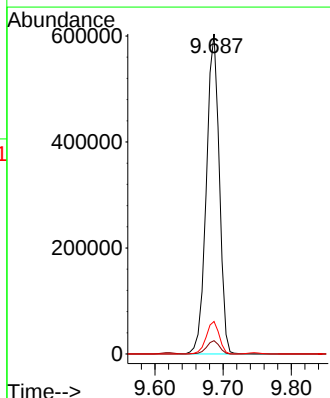
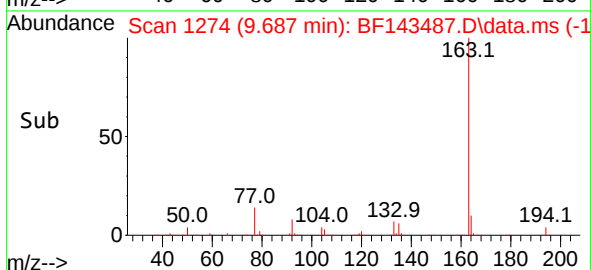
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

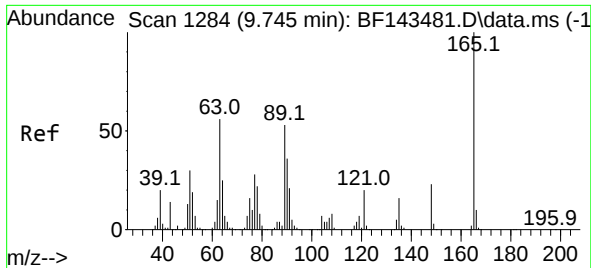


#50
Dimethylphthalate
Concen: 46.564 ng
RT: 9.687 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15



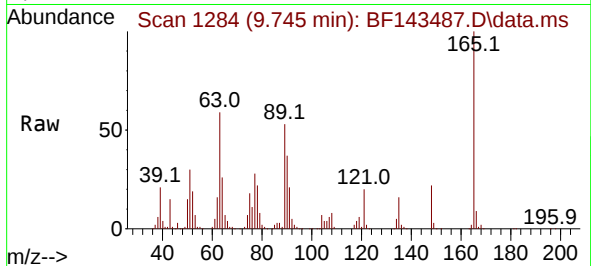
Tgt Ion:163 Resp: 796457
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.2 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 49.944 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

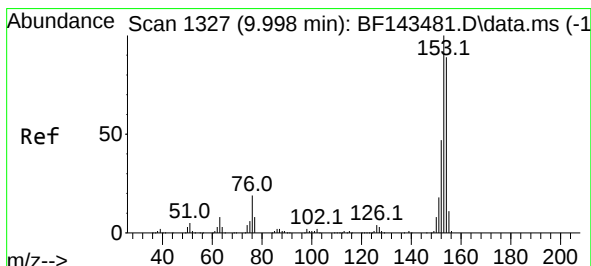
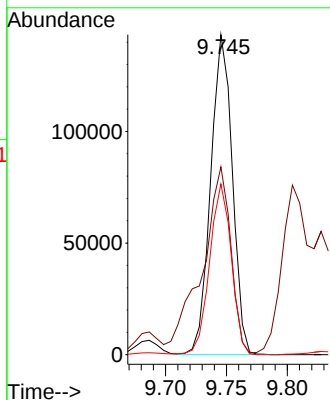
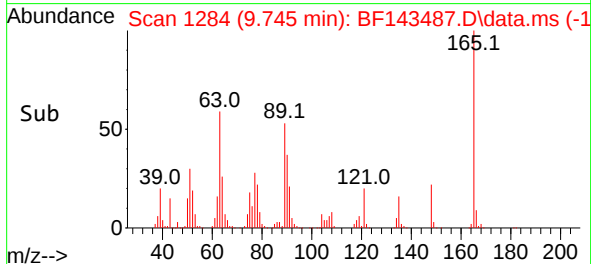
Instrument :
BNA_F
ClientSampleId :
PB169299BS



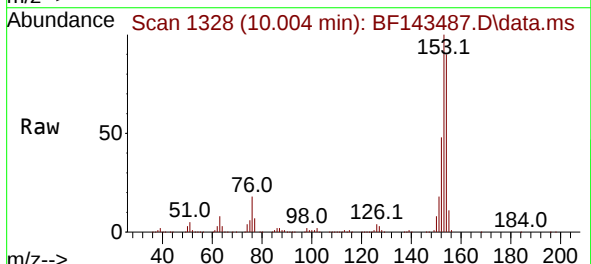
Tgt Ion:165 Resp: 177052
Ion Ratio Lower Upper
165 100
63 58.7 45.0 67.6
89 53.4 42.5 63.7

Manual Integrations
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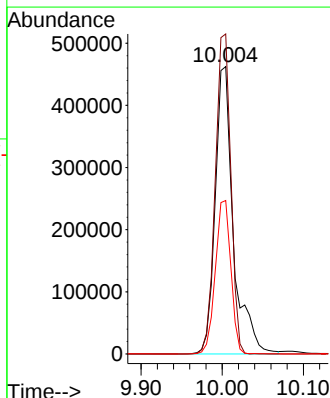
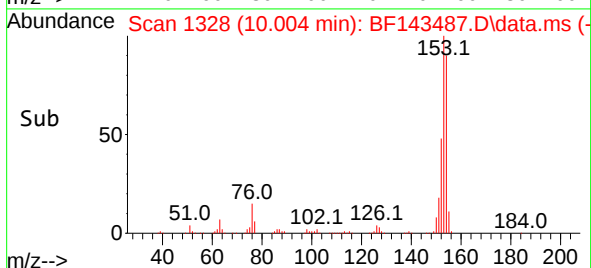
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

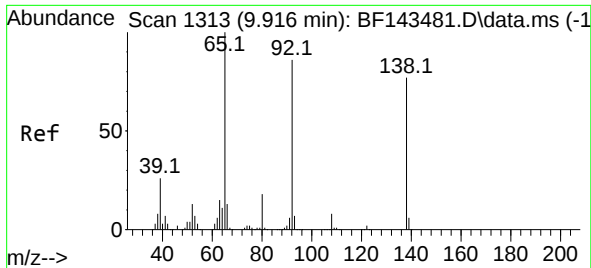


#52
Acenaphthene
Concen: 46.997 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15



Tgt Ion:154 Resp: 722628
Ion Ratio Lower Upper
154 100
153 111.4 89.5 134.3
152 53.4 42.5 63.7





#53
3-Nitroaniline
Concen: 24.322 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PB169299BS

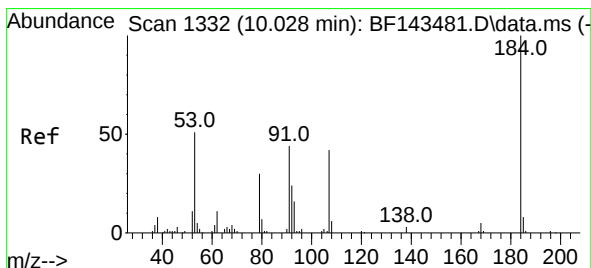
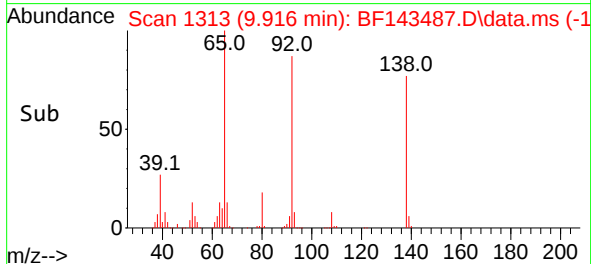
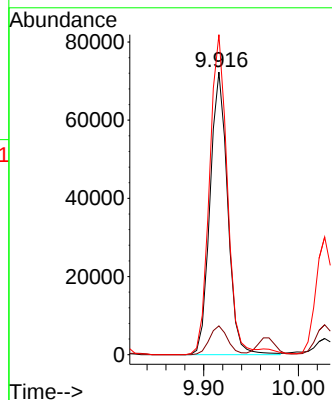
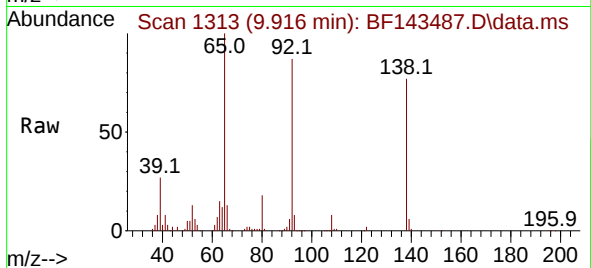
Tgt Ion:138 Resp: 9316
Ion Ratio Lower Upper
138 100
108 10.2 8.6 13.0
92 113.3 89.8 134.8

Manual Integrations

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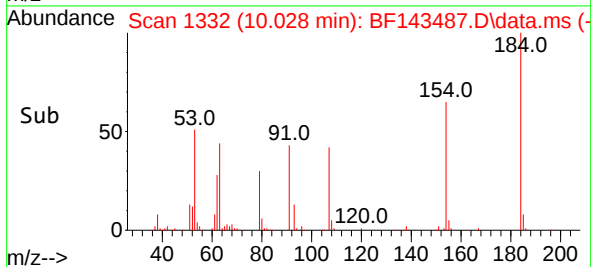
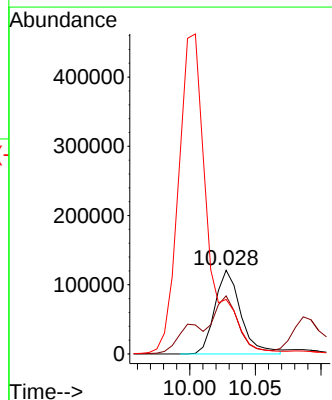
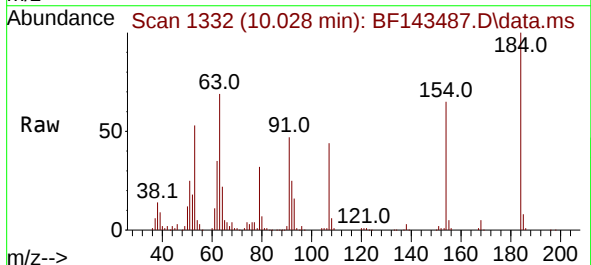
Reviewed By :Rahul Chavli 08/21/2025

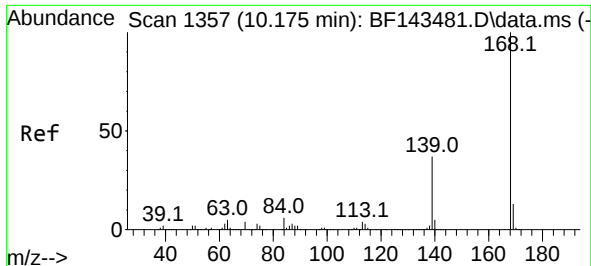
Supervised By :Jagrut Upadhyay 08/21/2025



#54
2,4-Dinitrophenol
Concen: 87.541 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

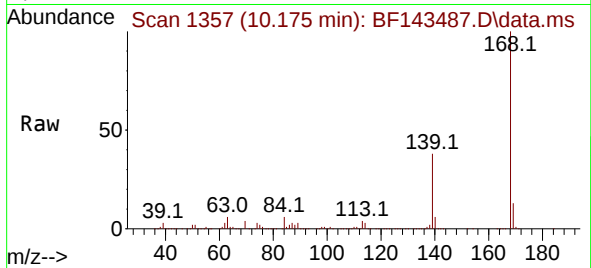
Tgt Ion:184 Resp: 166975
Ion Ratio Lower Upper
184 100
63 69.4 52.6 78.8
154 65.2 51.0 76.4





#55
Dibenzofuran
Concen: 43.706 ng
RT: 10.175 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

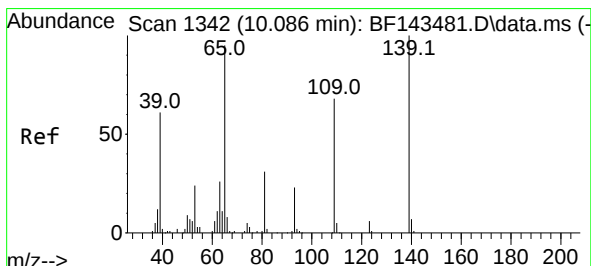
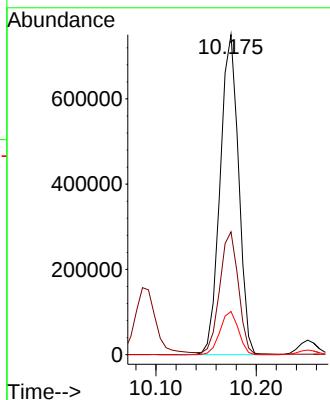
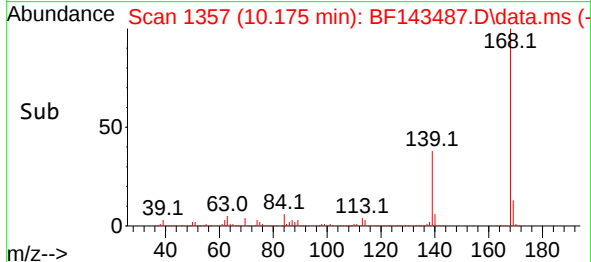
Instrument :
BNA_F
ClientSampleId :
PB169299BS



Tgt Ion:168 Resp: 958120
Ion Ratio Lower Upper
168 100
139 38.4 29.8 44.6
169 13.5 10.8 16.2

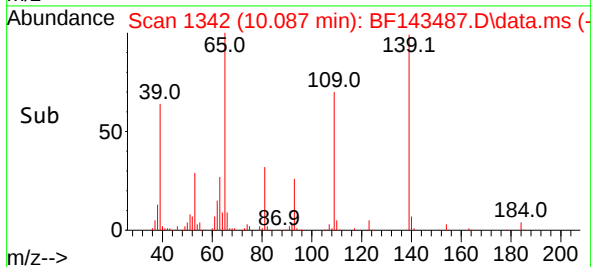
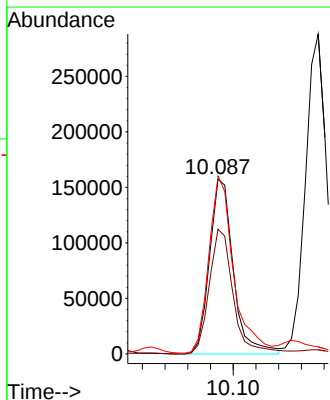
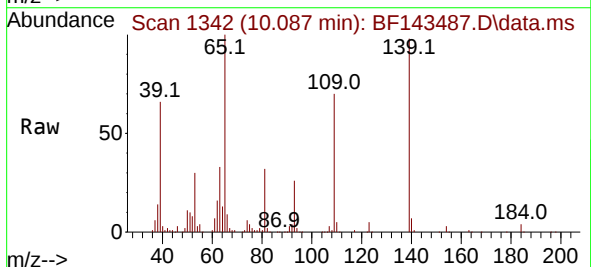
Manual Integrations
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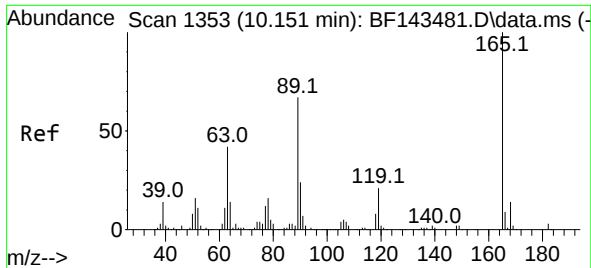
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#56
4-Nitrophenol
Concen: 100.732 ng
RT: 10.087 min Scan# 1342
Delta R.T. 0.001 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Tgt Ion:139 Resp: 229591
Ion Ratio Lower Upper
139 100
109 71.4 48.2 88.2
65 101.8 75.8 115.8





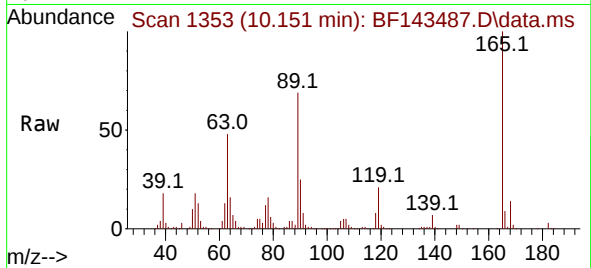
#57
2,4-Dinitrotoluene
Concen: 50.653 ng
RT: 10.151 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PB169299BS



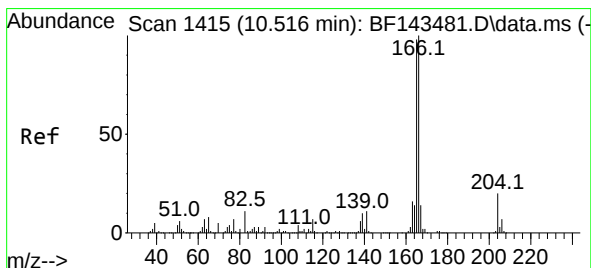
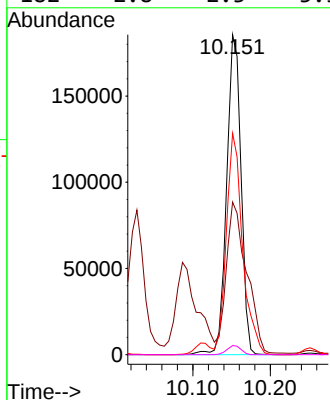
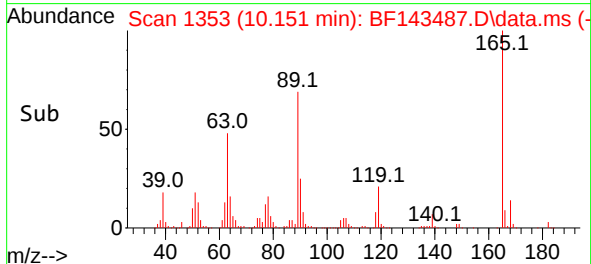
Tgt Ion:165 Resp: 239768
Ion Ratio Lower Upper
165 100
63 47.7 34.9 52.3
89 69.2 53.3 79.9
182 2.8 2.3 3.5

Manual Integrations

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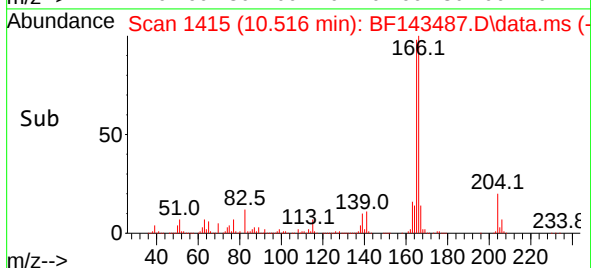
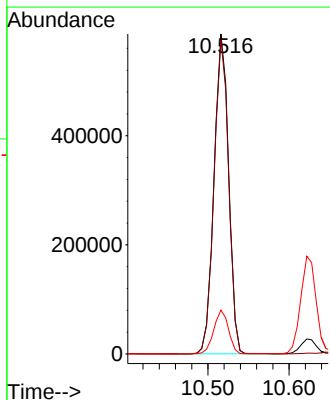
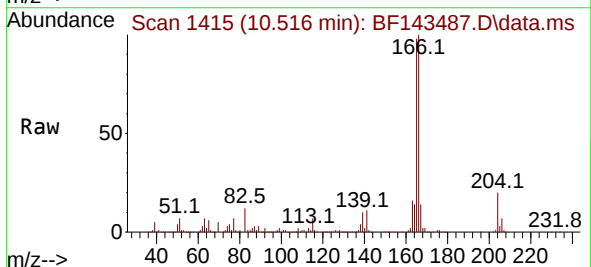
Reviewed By :Rahul Chavli 08/21/2025

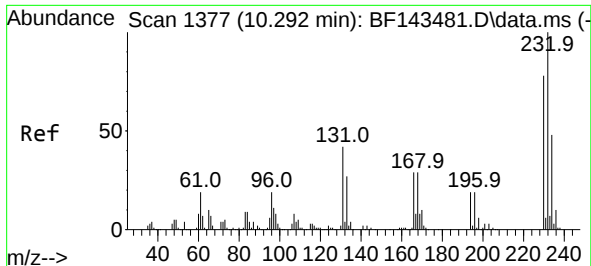
Supervised By :Jagrut Upadhyay 08/21/2025



#58
Fluorene
Concen: 43.476 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

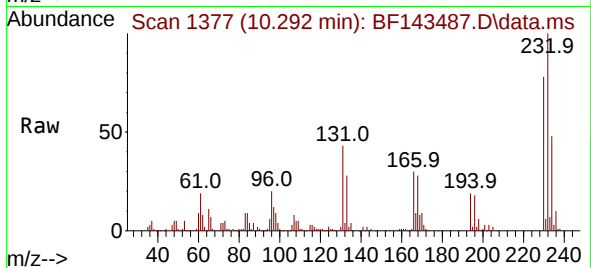
Tgt Ion:166 Resp: 733541
Ion Ratio Lower Upper
166 100
165 98.2 78.3 117.5
167 13.7 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 50.235 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

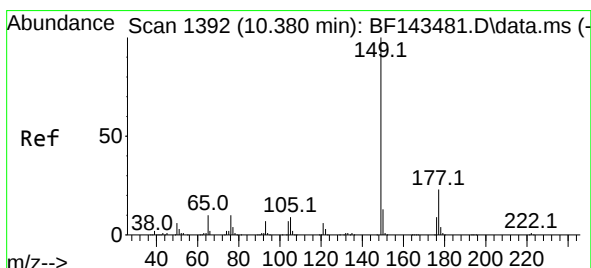
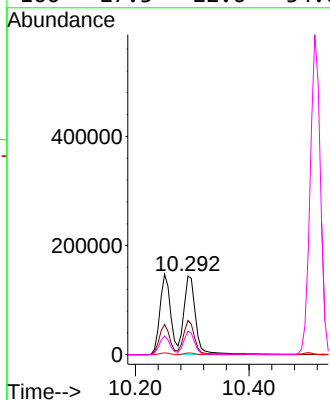
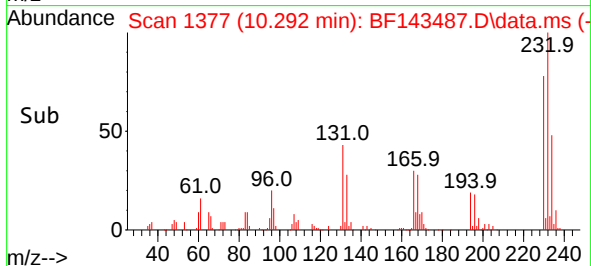
Instrument :
BNA_F
ClientSampleId :
PB169299BS



Tgt Ion:232 Resp: 203770
Ion Ratio Lower Upper
232 100
131 41.5 32.7 49.1
130 2.1 1.6 2.4
166 27.3 22.6 34.0

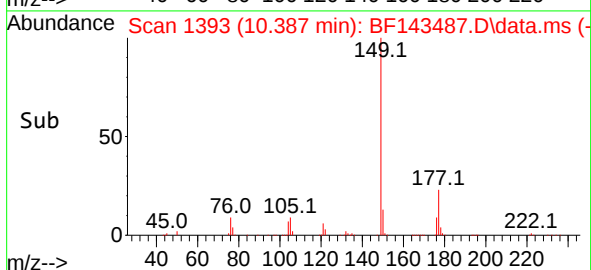
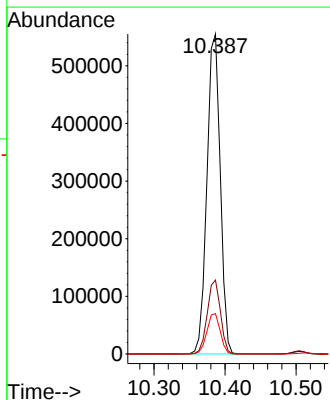
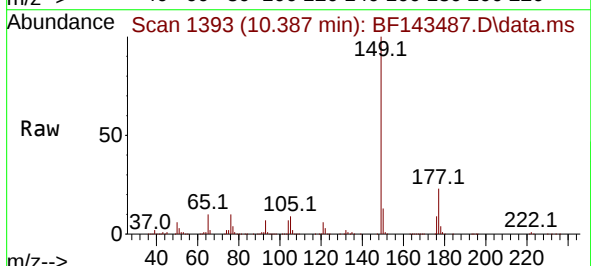
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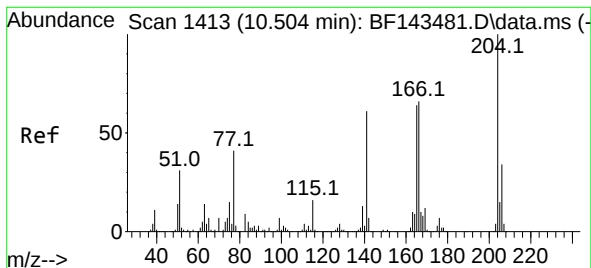
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#60
Diethylphthalate
Concen: 47.199 ng
RT: 10.387 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

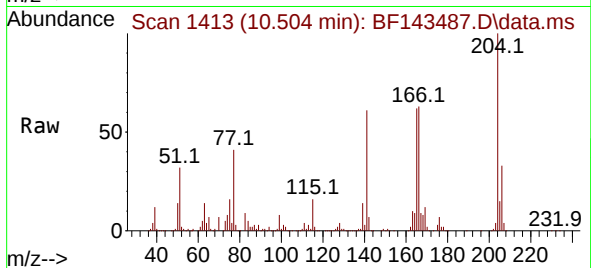
Tgt Ion:149 Resp: 723814
Ion Ratio Lower Upper
149 100
177 23.1 18.3 27.5
150 12.6 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 43.667 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

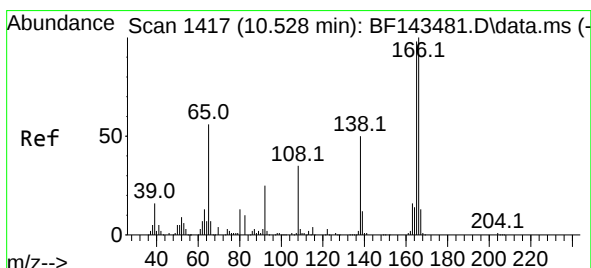
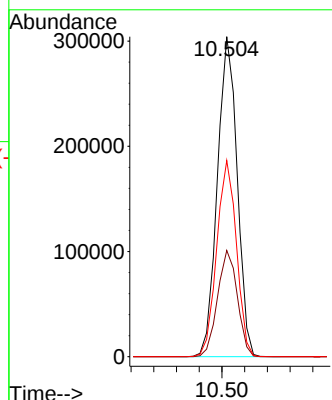
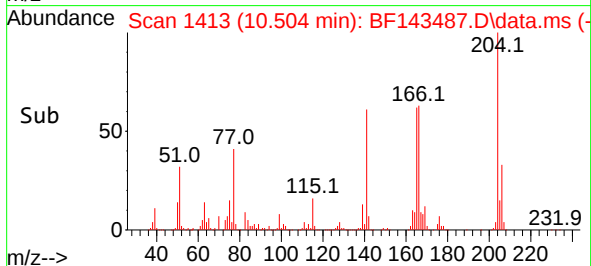
Instrument :
BNA_F
ClientSampleId :
PB169299BS



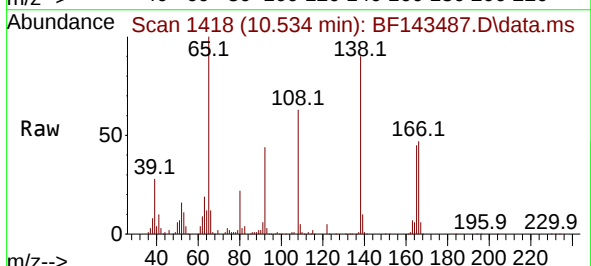
Tgt Ion:204 Resp: 368468
Ion Ratio Lower Upper
204 100
206 33.2 27.0 40.4
141 61.3 48.7 73.1

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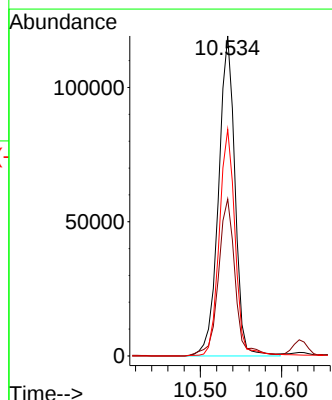
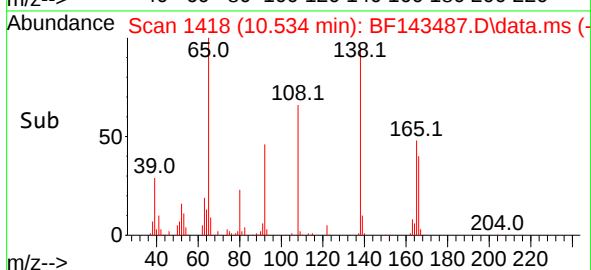
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

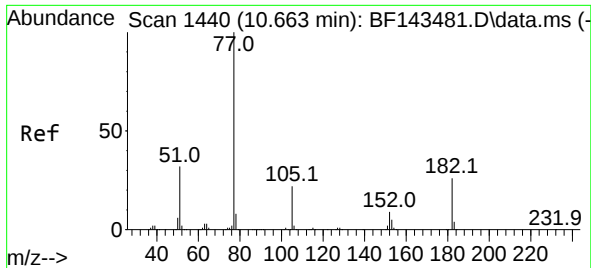


#62
4-Nitroaniline
Concen: 47.789 ng
RT: 10.534 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15



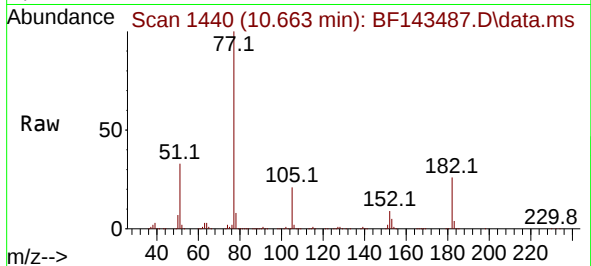
Tgt Ion:138 Resp: 168146
Ion Ratio Lower Upper
138 100
92 49.1 29.3 69.3
108 70.8 50.7 90.7





#63
Azobenzene
Concen: 46.290 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

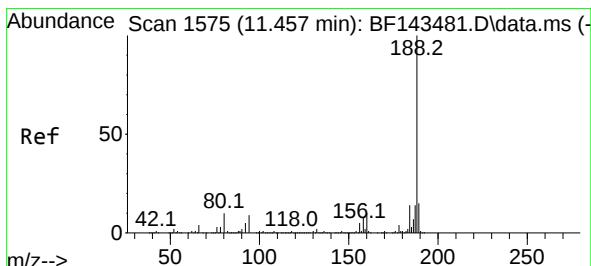
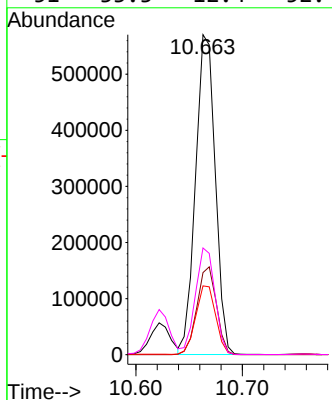
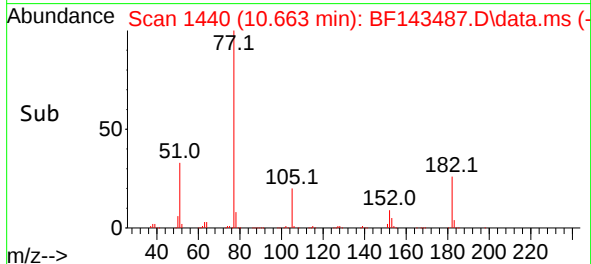
Instrument :
BNA_F
ClientSampleId :
PB169299BS



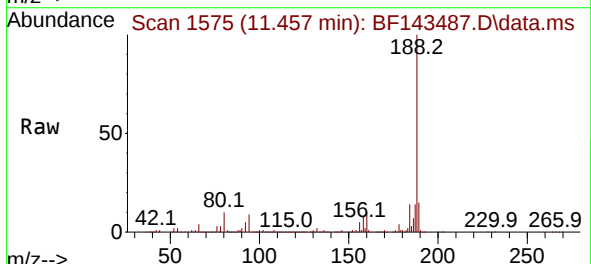
Tgt Ion: 77 Resp: 736062
Ion Ratio Lower Upper
77 100
182 25.7 6.2 46.2
105 21.5 2.2 42.2
51 33.3 12.4 52.4

Manual Integrations
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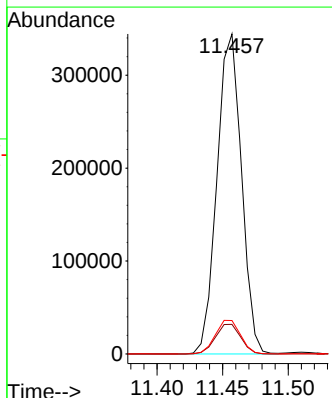
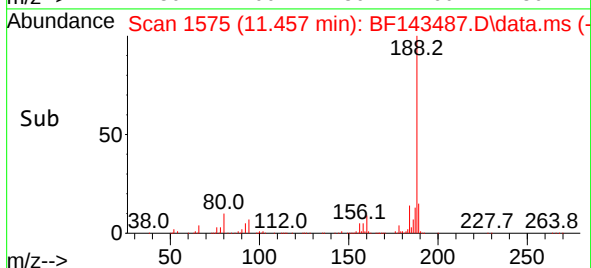
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

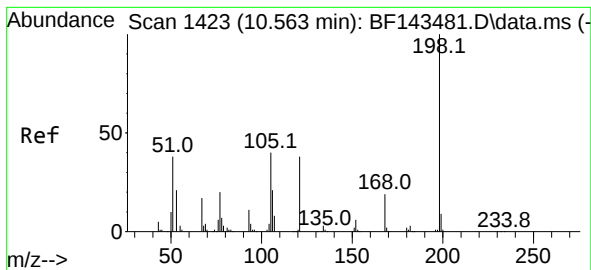


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15



Tgt Ion:188 Resp: 447118
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 10.5 8.2 12.4





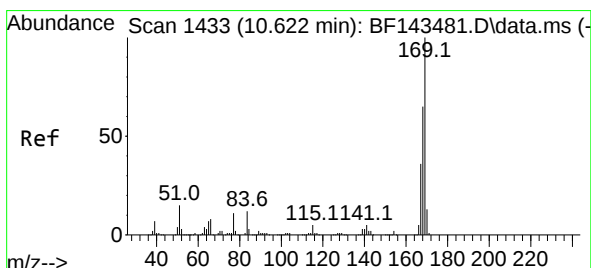
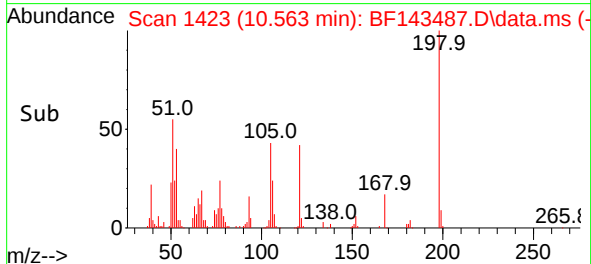
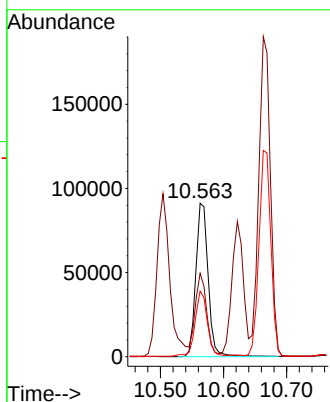
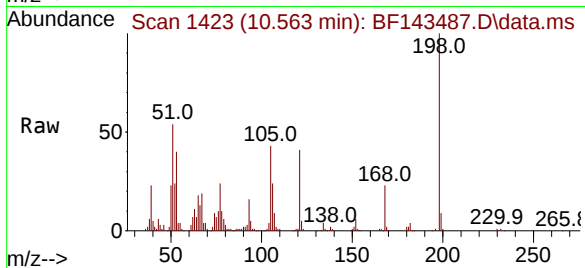
#65
4,6-Dinitro-2-methylphenol
Concen: 49.033 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Instrument :
BNA_F
ClientSampleId :
PB169299BS

Tgt Ion:198 Resp: 12361
Ion Ratio Lower Upper
198 100
51 54.3 29.6 69.6
105 42.7 21.5 61.5

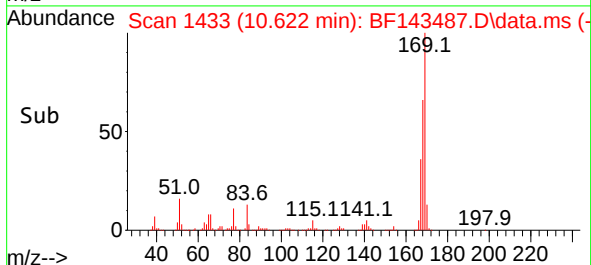
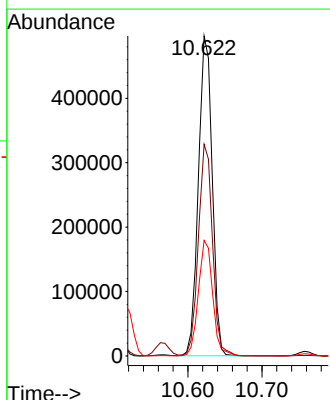
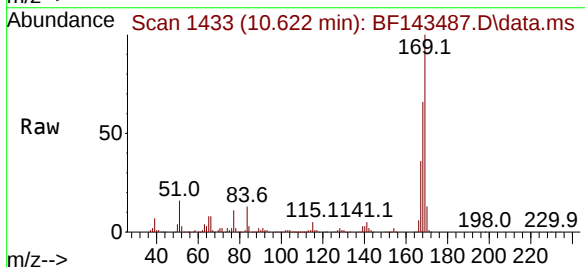
Manual Integrations
APPROVED

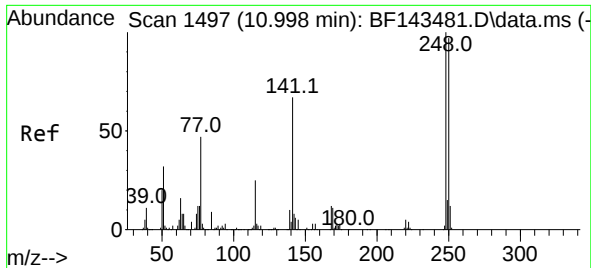
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#66
n-Nitrosodiphenylamine
Concen: 44.638 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

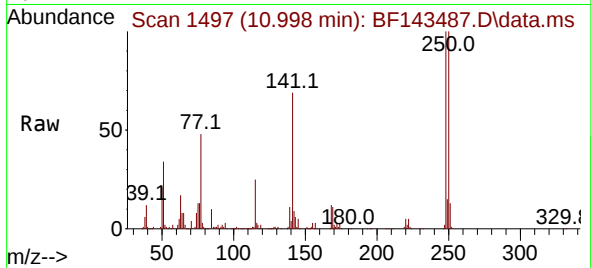
Tgt Ion:169 Resp: 642303
Ion Ratio Lower Upper
169 100
168 66.1 52.4 78.6
167 36.1 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 44.850 ng
RT: 10.998 min Scan# 1497
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

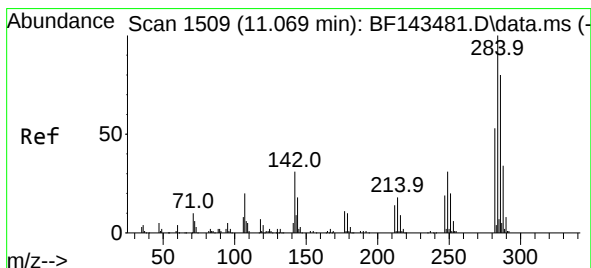
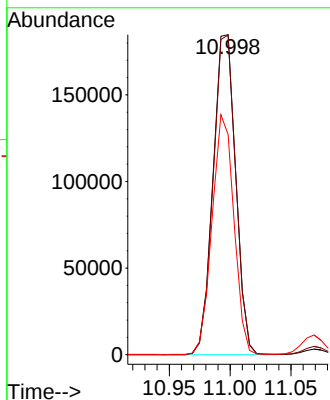
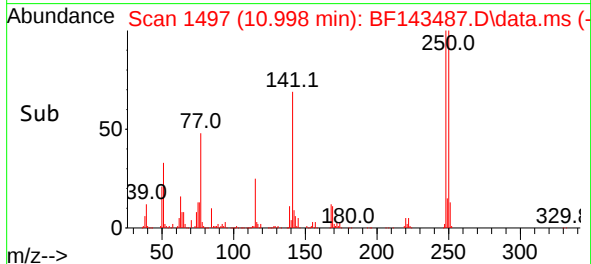
Instrument :
BNA_F
ClientSampleId :
PB169299BS



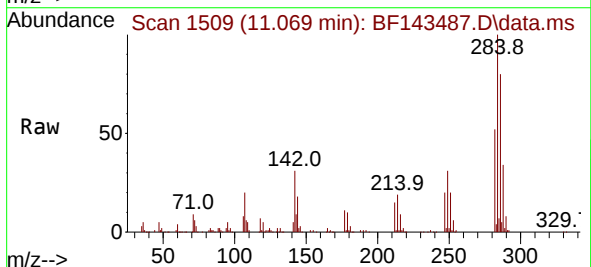
Tgt Ion:248 Resp: 239268
Ion Ratio Lower Upper
248 100
250 99.9 77.8 116.8
141 68.8 54.0 81.0

Manual Integrations
APPROVED

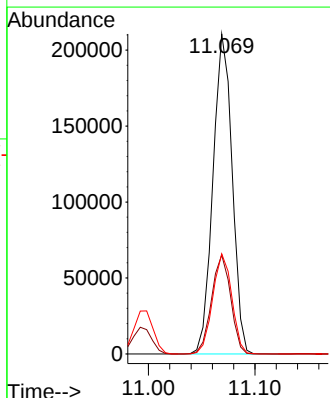
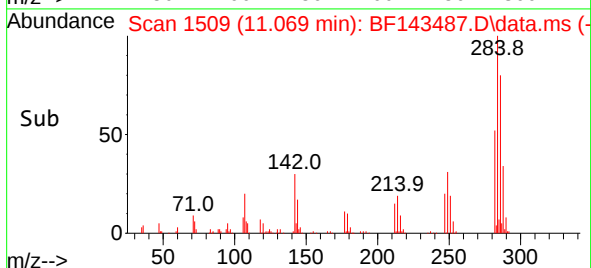
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

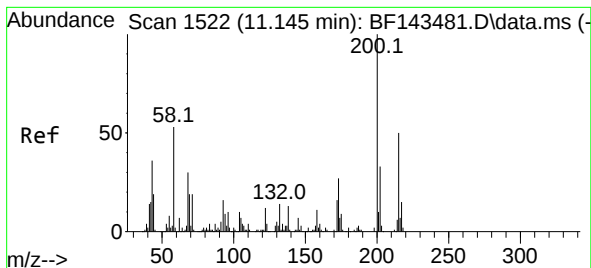


#68
Hexachlorobenzene
Concen: 45.700 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15



Tgt Ion:284 Resp: 262799
Ion Ratio Lower Upper
284 100
142 30.9 24.4 36.6
249 31.3 25.0 37.6





#69

Atrazine

Concen: 50.680 ng

RT: 11.151 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143487.D

Acq: 20 Aug 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PB169299BS

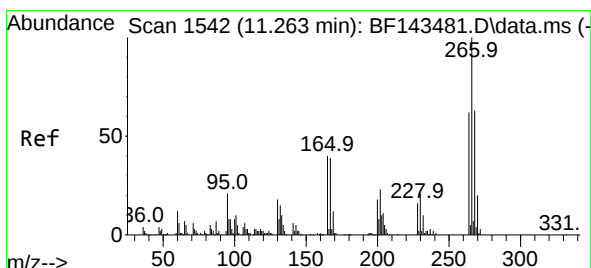
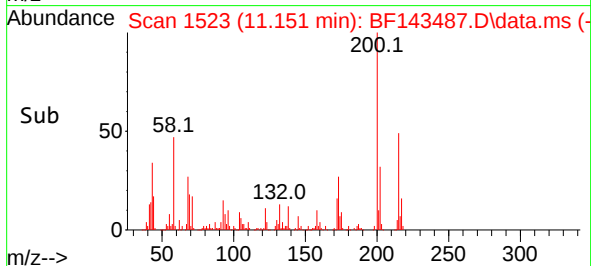
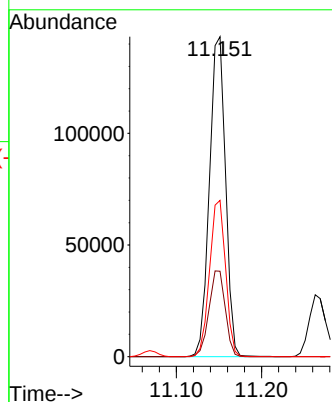
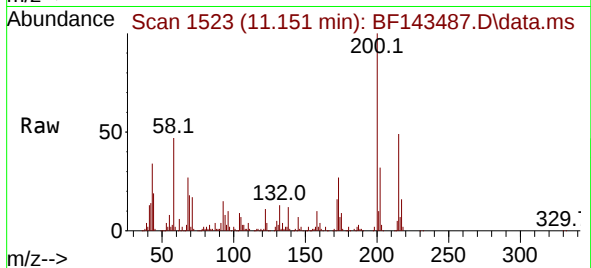
Tgt Ion:200 Resp: 188244
 Ion Ratio Lower Upper
 200 100
 173 26.7 6.9 46.9
 215 48.9 30.0 70.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#70

Pentachlorophenol

Concen: 100.642 ng

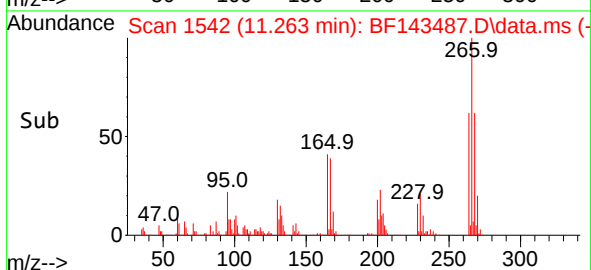
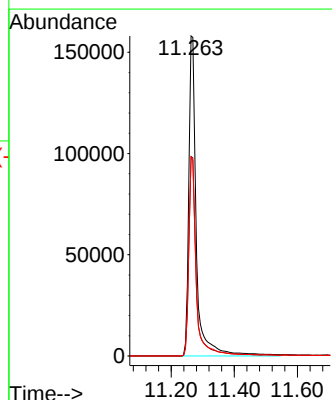
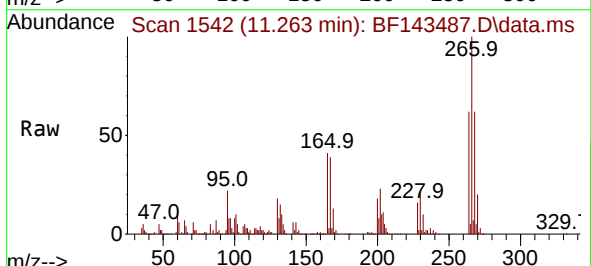
RT: 11.263 min Scan# 1542

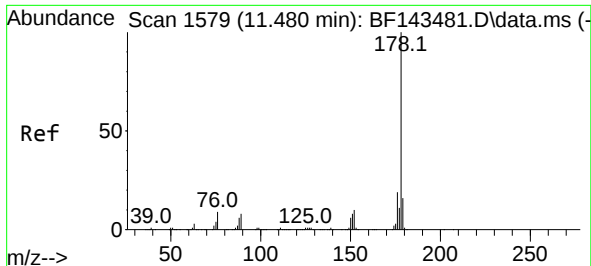
Delta R.T. -0.006 min

Lab File: BF143487.D

Acq: 20 Aug 2025 16:15

Tgt Ion:266 Resp: 265057
 Ion Ratio Lower Upper
 266 100
 268 62.3 50.5 75.7
 264 62.1 49.8 74.8





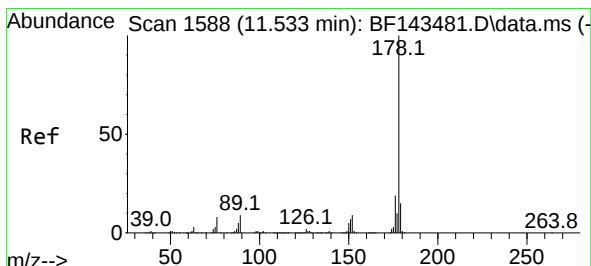
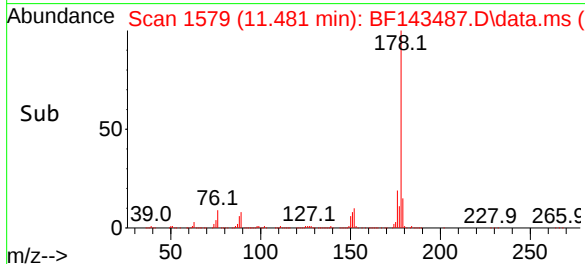
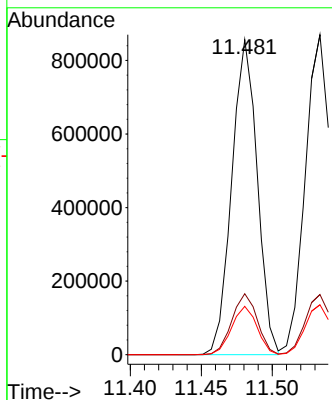
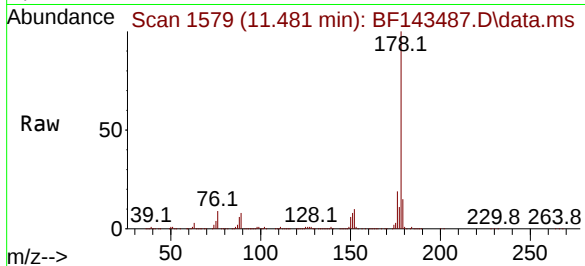
#71
Phenanthrene
Concen: 44.655 ng
RT: 11.481 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Instrument :
BNA_F
ClientSampleId :
PB169299BS

Tgt Ion:178 Resp: 1069209
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.3 12.5 18.7

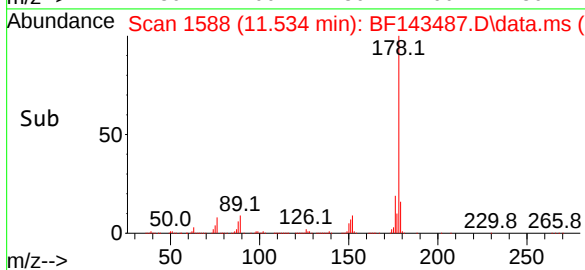
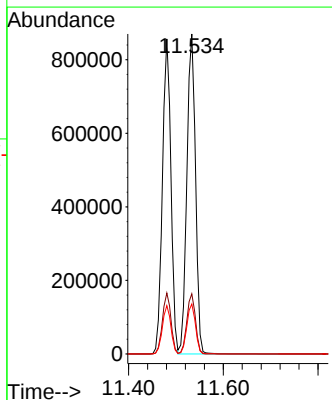
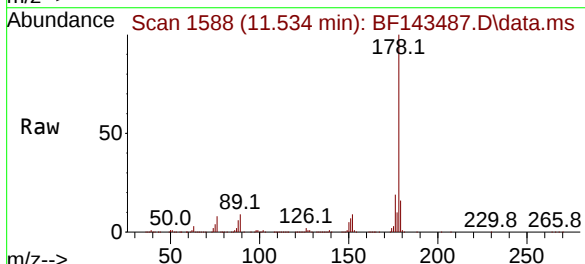
Manual Integrations
APPROVED

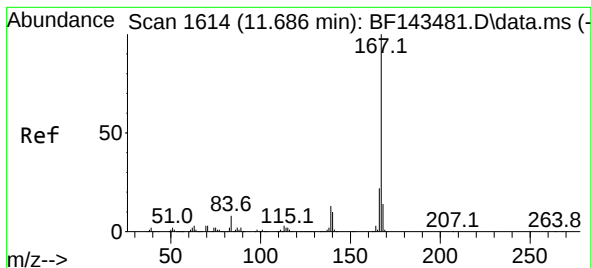
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#72
Anthracene
Concen: 45.435 ng
RT: 11.534 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

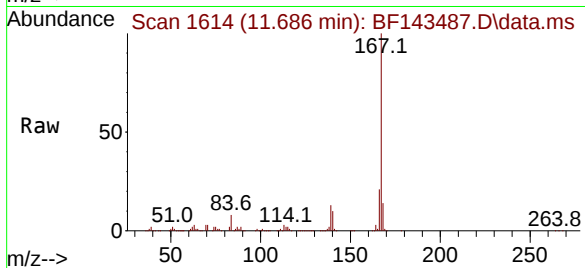
Tgt Ion:178 Resp: 1102078
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.6 12.3 18.5





#73
 Carbazole
 Concen: 45.988 ng
 RT: 11.686 min Scan# 1614
 Delta R.T. 0.000 min
 Lab File: BF143487.D
 Acq: 20 Aug 2025 16:15

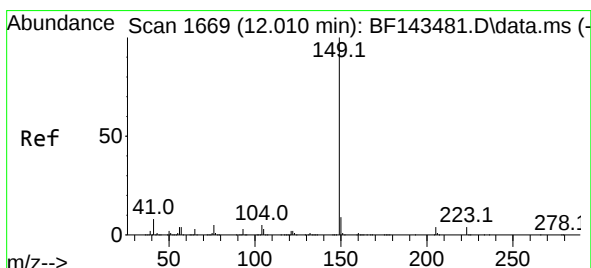
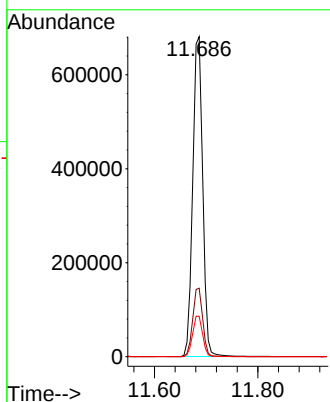
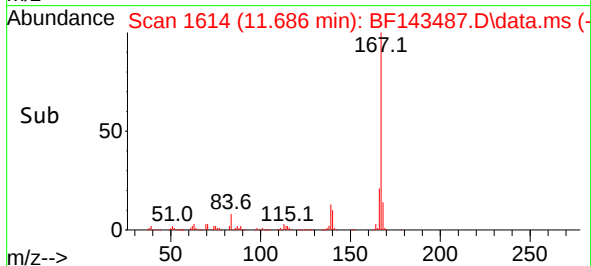
Instrument :
 BNA_F
 ClientSampleId :
 PB169299BS



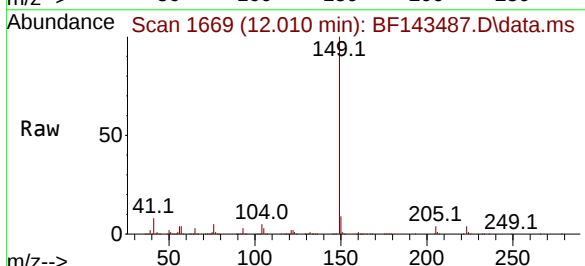
Tgt Ion:167 Resp: 914035
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.3 25.9
 139 12.7 10.0 15.0

Manual Integrations
 APPROVED

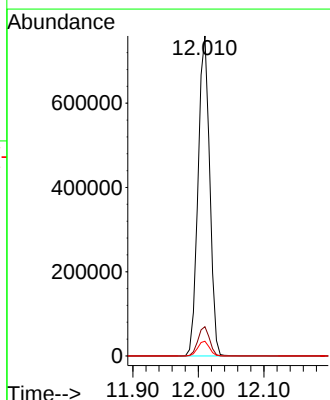
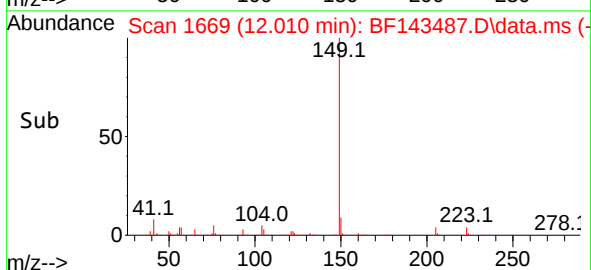
Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :Jagrut Upadhyay 08/21/2025

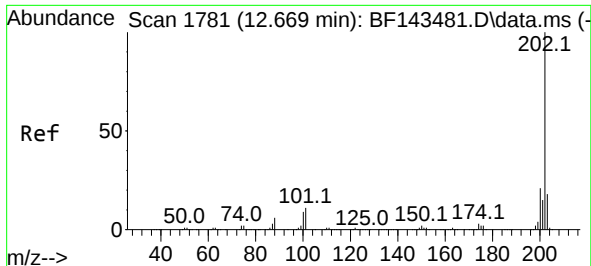


#74
 Di-n-butylphthalate
 Concen: 50.587 ng
 RT: 12.010 min Scan# 1669
 Delta R.T. 0.000 min
 Lab File: BF143487.D
 Acq: 20 Aug 2025 16:15



Tgt Ion:149 Resp: 937959
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.2 10.8
 104 4.6 3.6 5.4





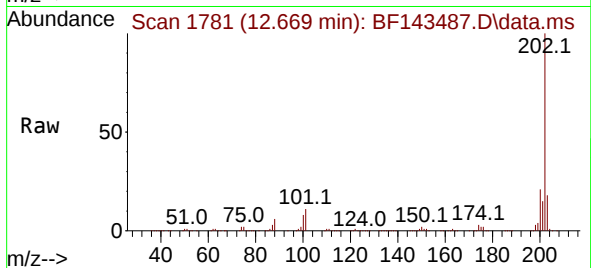
#75
Fluoranthene
Concen: 45.706 ng
RT: 12.669 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PB169299BS



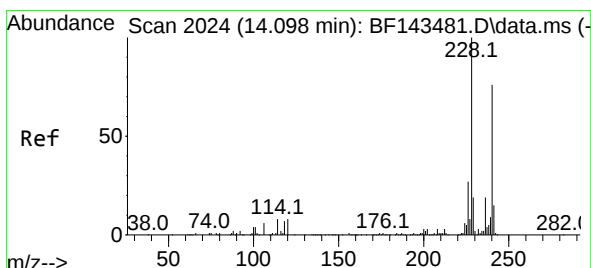
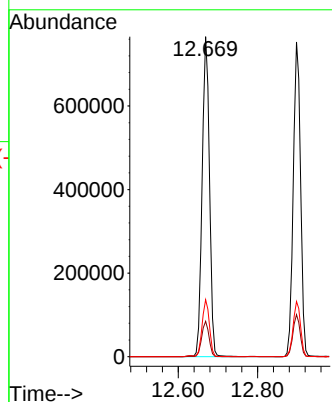
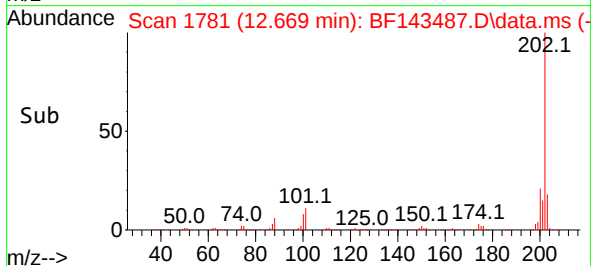
Tgt Ion:202 Resp: 981972
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.3
203 17.8 0.0 37.9

Manual Integrations

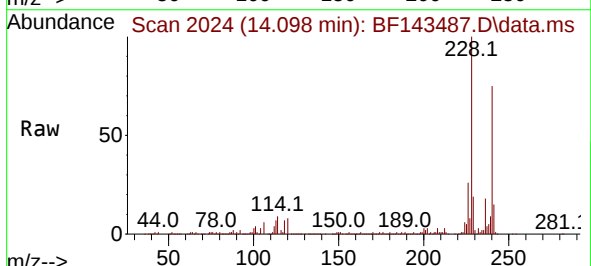
APPROVED

Reviewed By :Rahul Chavli 08/21/2025

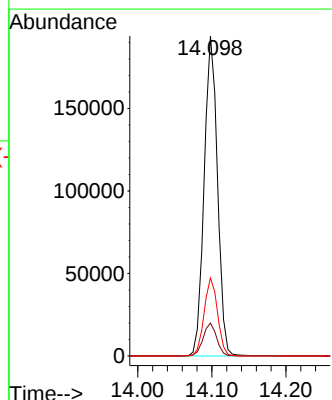
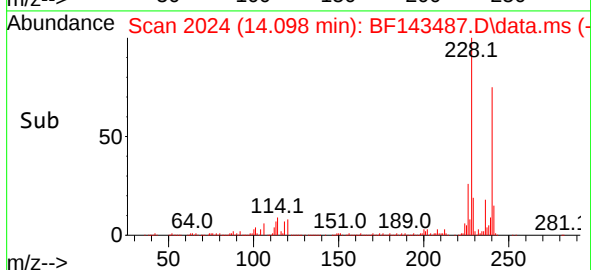
Supervised By :Jagrut Upadhyay 08/21/2025

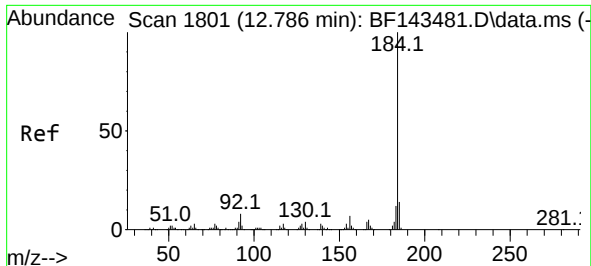


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15



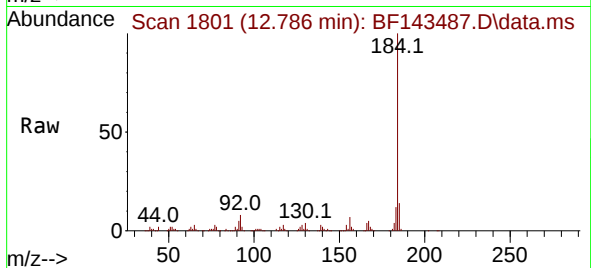
Tgt Ion:240 Resp: 242955
Ion Ratio Lower Upper
240 100
120 10.3 8.6 12.8
236 24.4 20.4 30.6





#77
Benzidine
Concen: 33.468 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

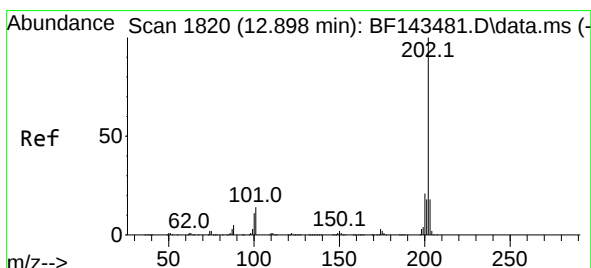
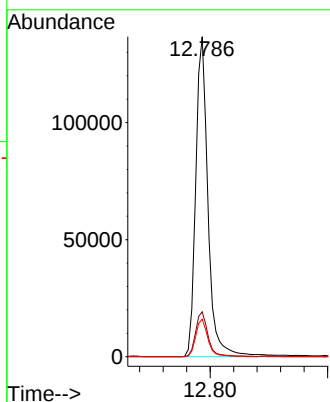
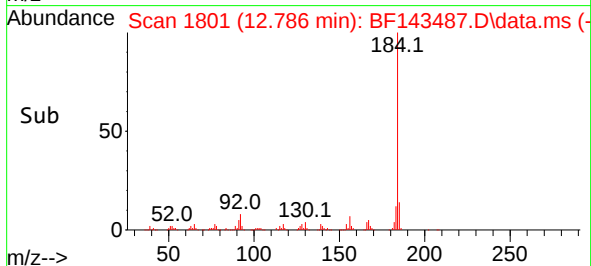
Instrument :
BNA_F
ClientSampleId :
PB169299BS



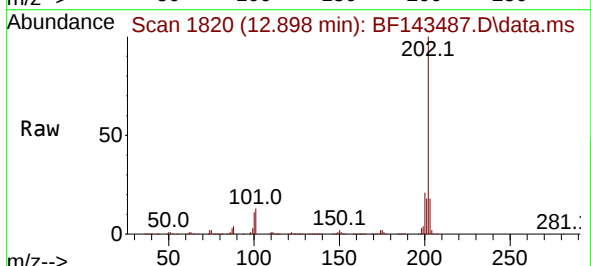
Tgt Ion:184 Resp: 19806
Ion Ratio Lower Upper
184 100
185 14.1 11.3 16.9
183 11.7 9.5 14.3

Manual Integrations
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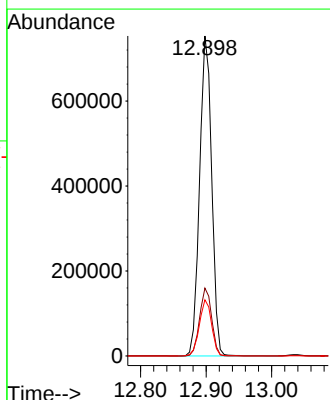
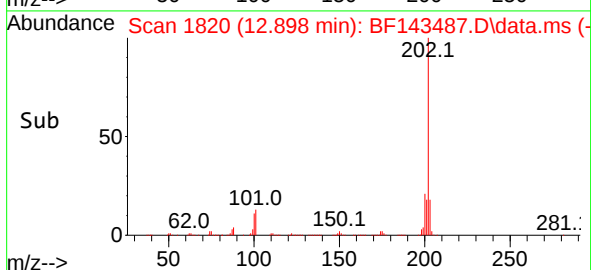
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

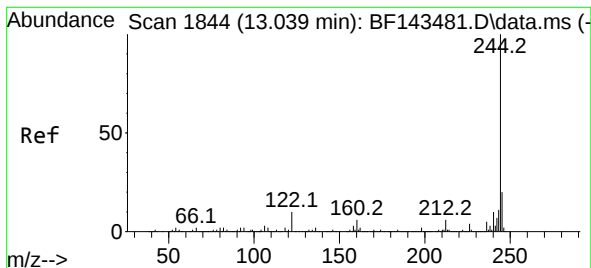


#78
Pyrene
Concen: 48.438 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15



Tgt Ion:202 Resp: 968021
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.5 14.3 21.5





#79

Terphenyl-d14

Concen: 91.697 ng

RT: 13.039 min Scan# 1844

Delta R.T. 0.000 min

Lab File: BF143487.D

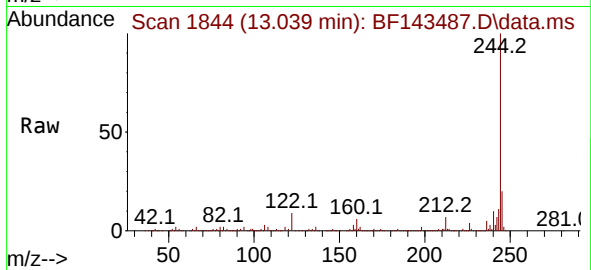
Acq: 20 Aug 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PB169299BS



Tgt Ion:244 Resp: 127665

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

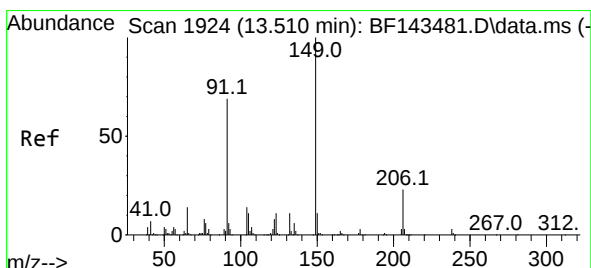
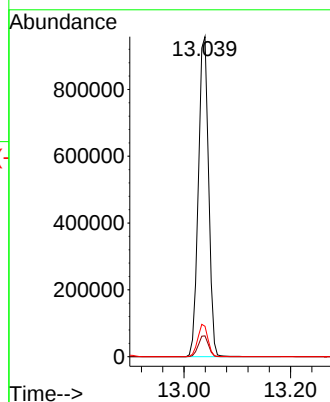
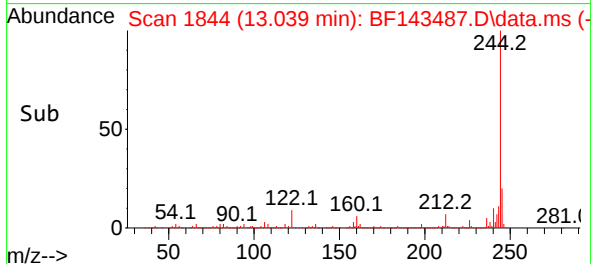
122 9.5 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#80

Butylbenzylphthalate

Concen: 51.435 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.000 min

Lab File: BF143487.D

Acq: 20 Aug 2025 16:15

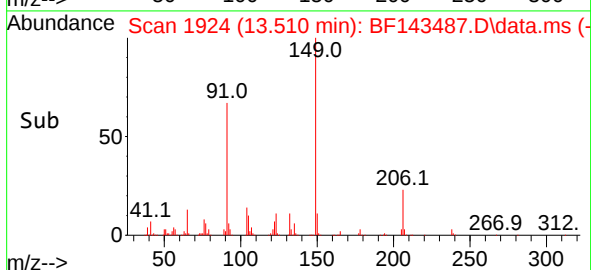
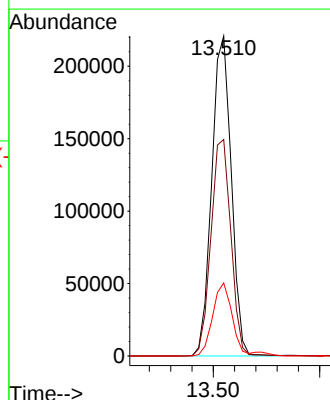
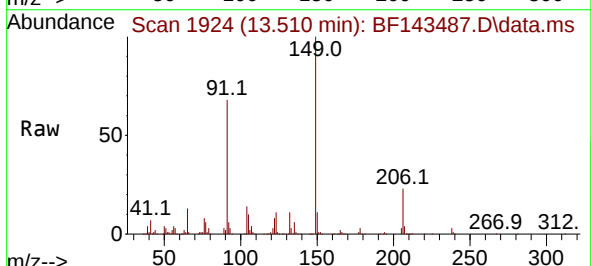
Tgt Ion:149 Resp: 280813

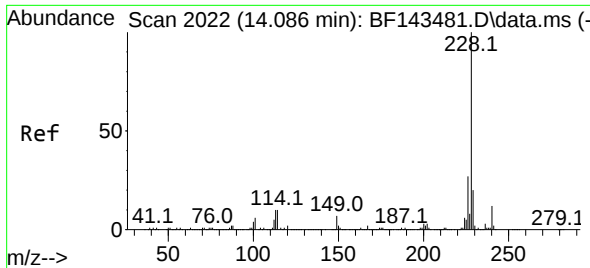
Ion Ratio Lower Upper

149 100

91 67.7 55.3 82.9

206 22.8 18.2 27.4





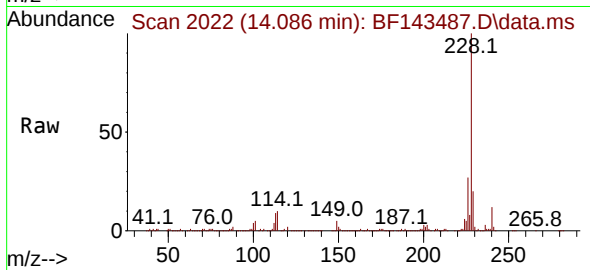
#81
Benzo(a)anthracene
Concen: 45.463 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PB169299BS

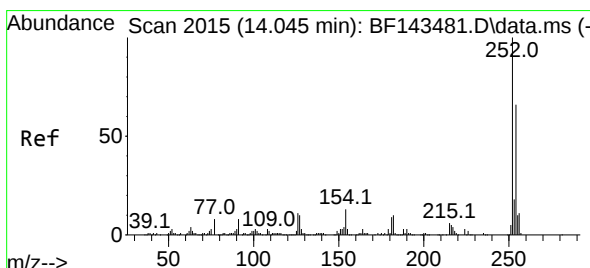
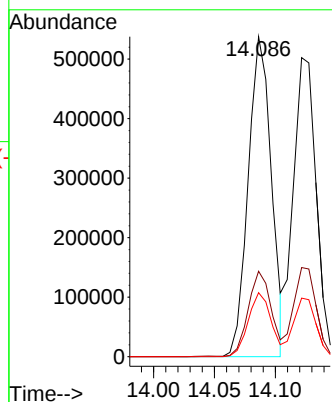
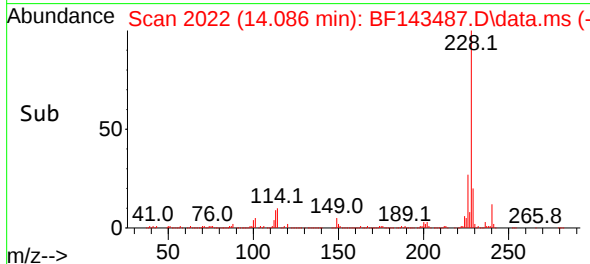


Tgt Ion:228 Resp: 71112
Ion Ratio Lower Upper
228 100
226 26.7 21.7 32.5
229 20.0 15.7 23.5

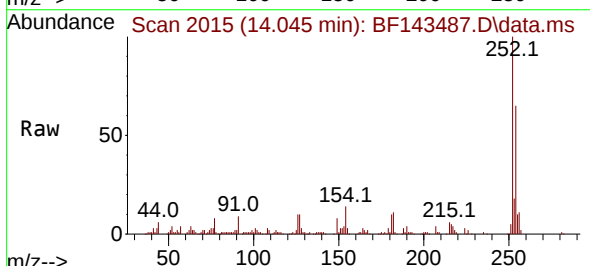
Manual Integrations

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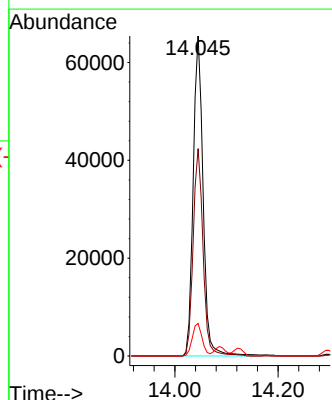
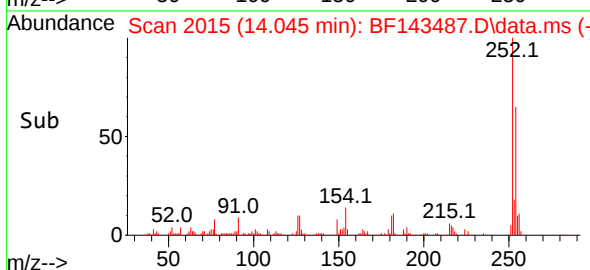
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

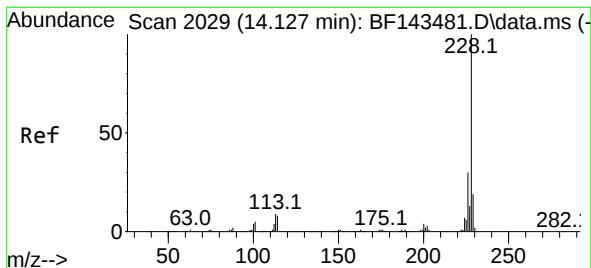


#82
3,3'-Dichlorobenzidine
Concen: 19.482 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15



Tgt Ion:252 Resp: 87267
Ion Ratio Lower Upper
252 100
254 64.8 52.6 79.0
126 10.1 8.7 13.1





#83

Chrysene

Concen: 46.702 ng

RT: 14.122 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF143487.D

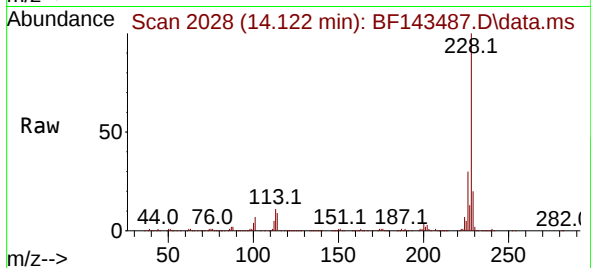
Acq: 20 Aug 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PB169299BS



Tgt Ion:228 Resp: 656469

Ion Ratio Lower Upper

228 100

226 29.8 23.7 35.5

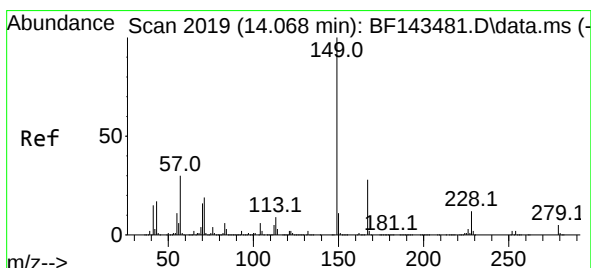
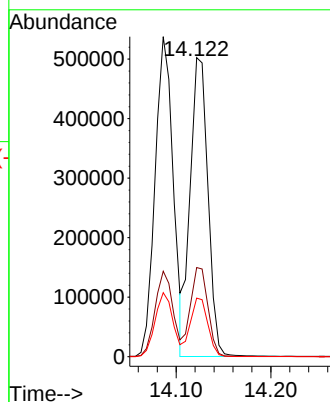
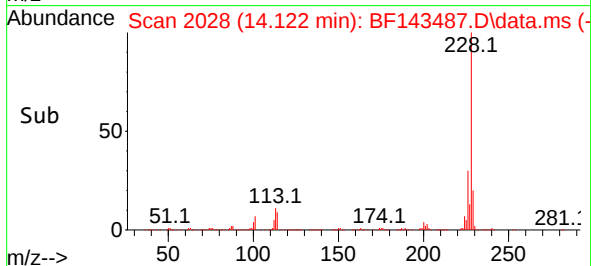
229 19.6 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.240 ng

RT: 14.069 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF143487.D

Acq: 20 Aug 2025 16:15

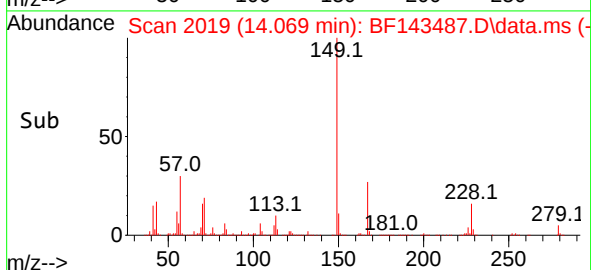
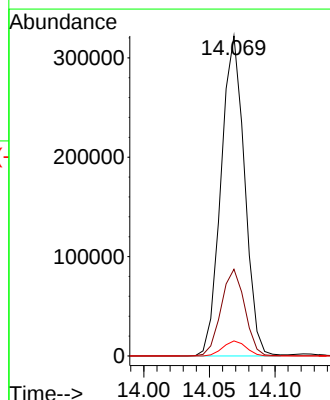
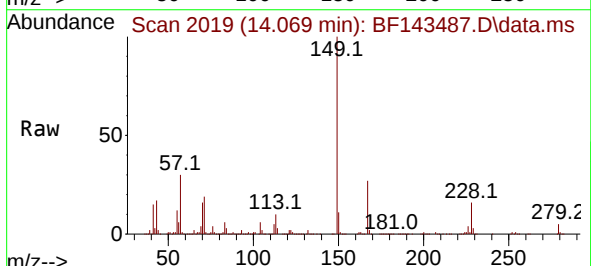
Tgt Ion:149 Resp: 401124

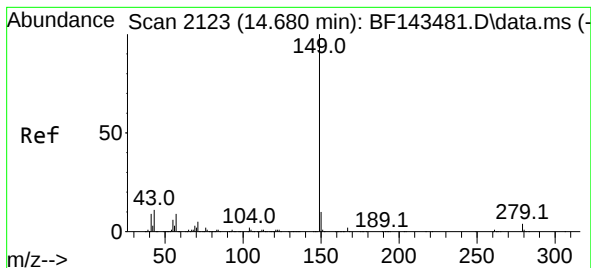
Ion Ratio Lower Upper

149 100

167 27.1 22.2 33.2

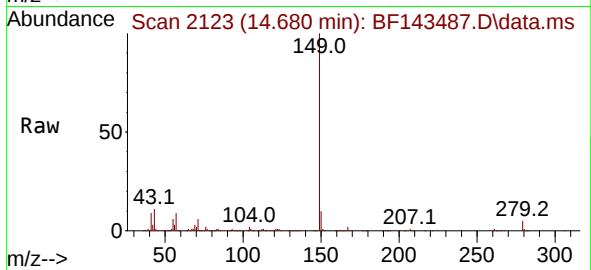
279 4.7 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 48.102 ng
RT: 14.680 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

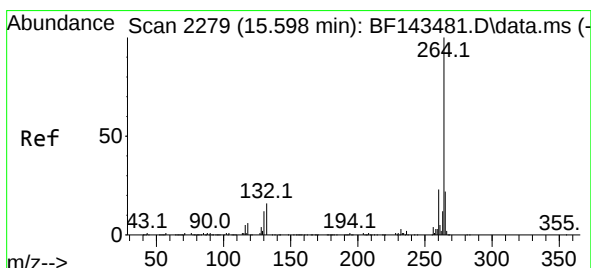
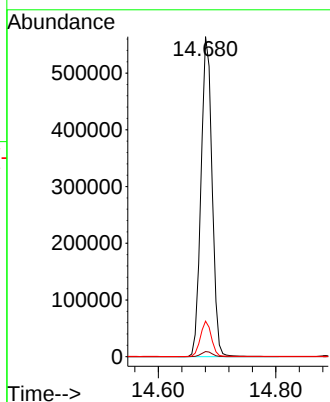
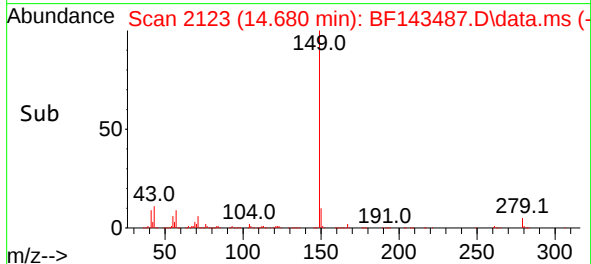
Instrument :
BNA_F
ClientSampleId :
PB169299BS



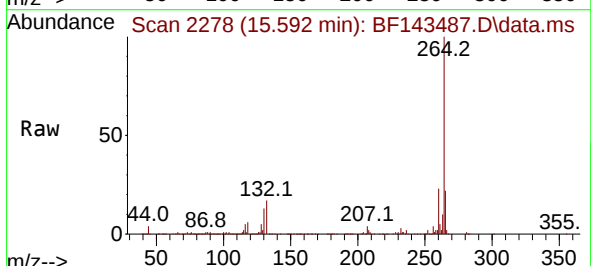
Tgt Ion:149 Resp: 740974
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.0 8.5 12.7

Manual Integrations
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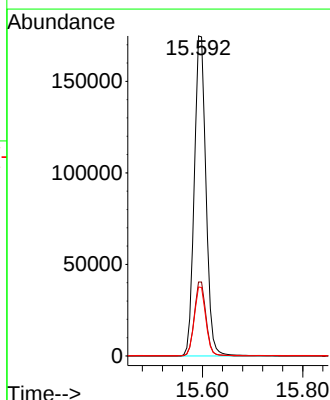
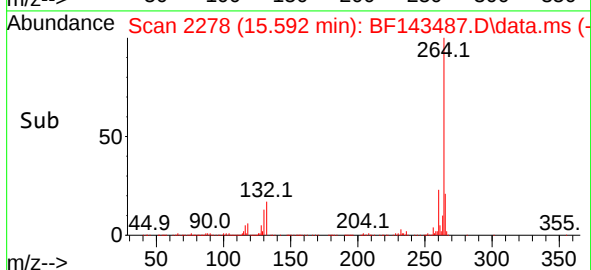
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

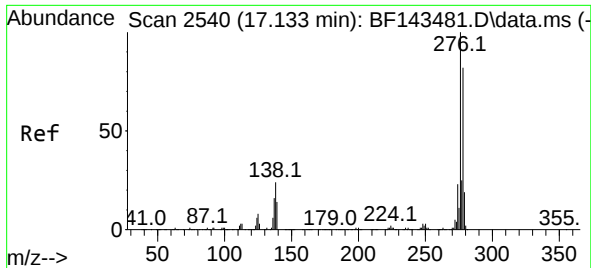


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15



Tgt Ion:264 Resp: 281884
Ion Ratio Lower Upper
264 100
260 23.1 18.7 28.1
265 21.6 17.6 26.4





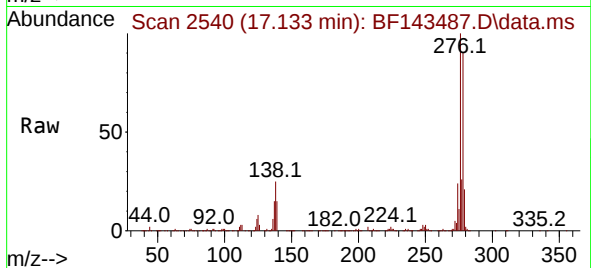
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 47.907 ng
 RT: 17.133 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143487.D
 Acq: 20 Aug 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PB169299BS



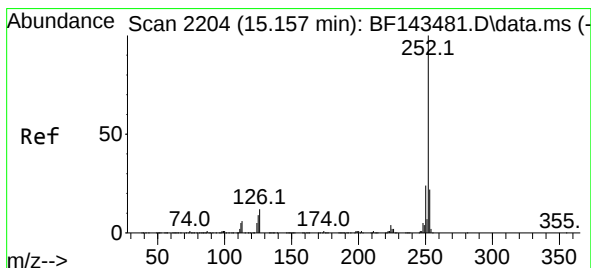
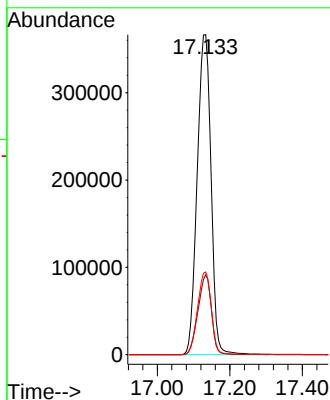
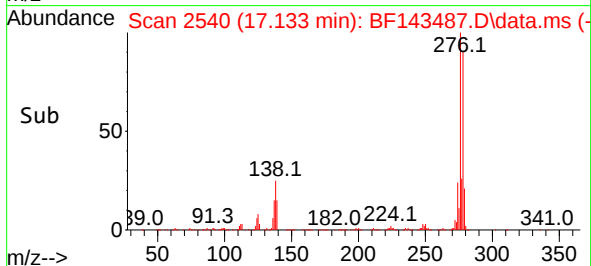
Tgt Ion:276 Resp: 970402
 Ion Ratio Lower Upper
 276 100
 138 24.1 19.2 28.8
 277 25.8 20.3 30.5

Manual Integrations

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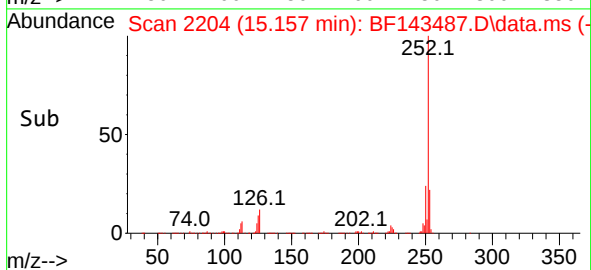
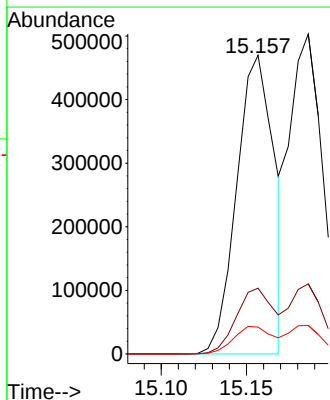
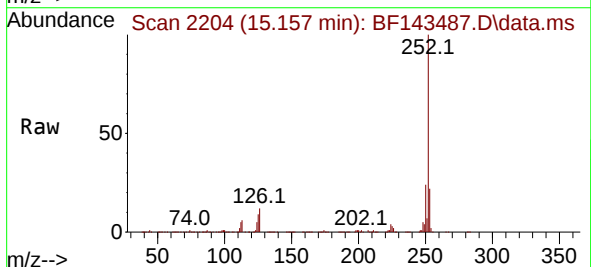
Reviewed By :Rahul Chavli 08/21/2025

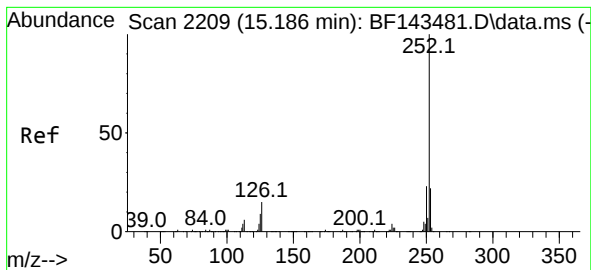
Supervised By :Jagrut Upadhyay 08/21/2025



#88
 Benzo(b)fluoranthene
 Concen: 45.603 ng
 RT: 15.157 min Scan# 2204
 Delta R.T. 0.000 min
 Lab File: BF143487.D
 Acq: 20 Aug 2025 16:15

Tgt Ion:252 Resp: 714546
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.5 26.3
 125 9.0 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 45.858 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143487.D

Acq: 20 Aug 2025 16:15

Instrument :

BNA_F

ClientSampleId :

PB169299BS

Tgt Ion:252 Resp: 68798

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

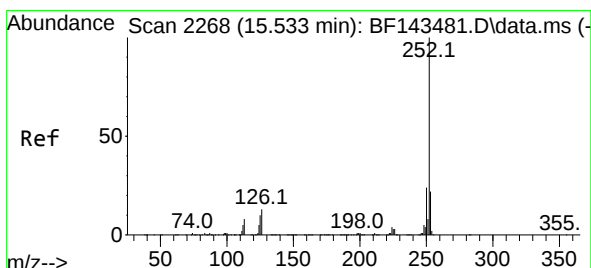
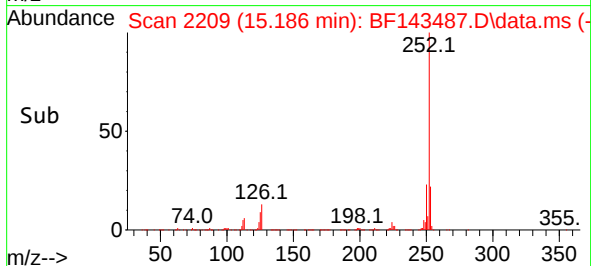
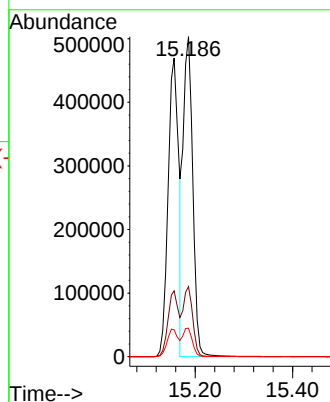
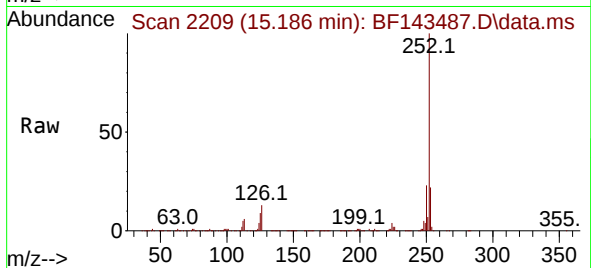
125 8.9 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#90

Benzo(a)pyrene

Concen: 48.393 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143487.D

Acq: 20 Aug 2025 16:15

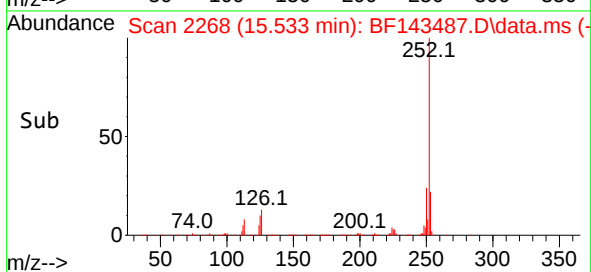
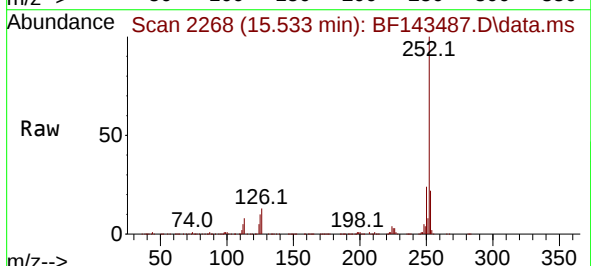
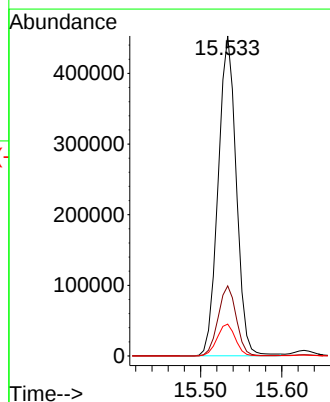
Tgt Ion:252 Resp: 703830

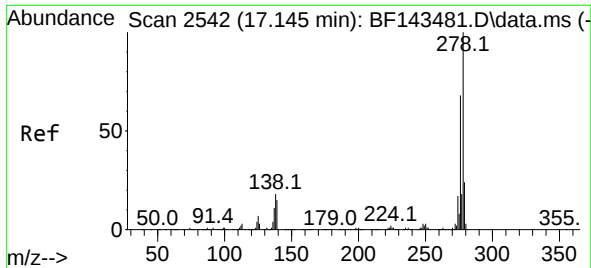
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 9.9 8.2 12.2





#91
Dibenzo(a,h)anthracene
Concen: 49.411 ng
RT: 17.139 min Scan# 2541
Delta R.T. -0.018 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Instrument :

BNA_F

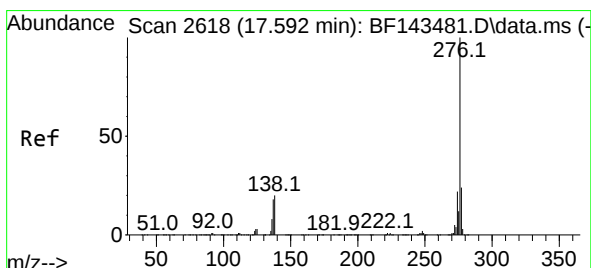
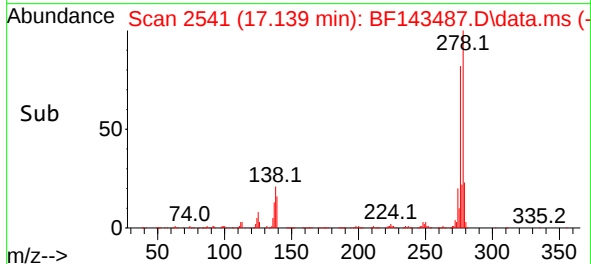
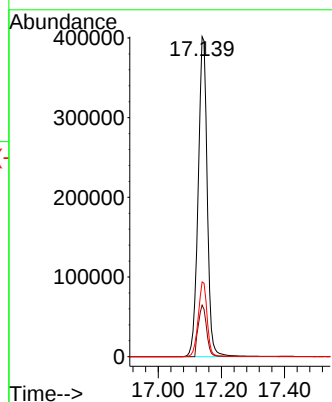
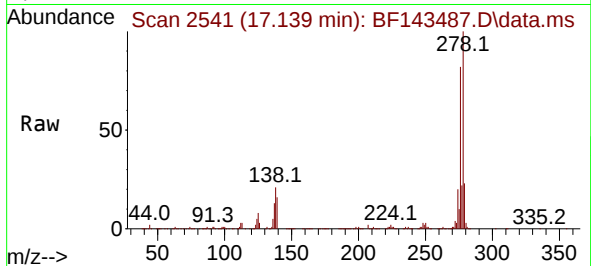
ClientSampleId :

PB169299BS

Tgt Ion:278 Resp: 80158
Ion Ratio Lower Upper
278 100
139 16.1 12.1 18.1
279 23.4 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#92
Benzo(g,h,i)perylene
Concen: 49.415 ng
RT: 17.592 min Scan# 2618
Delta R.T. -0.012 min
Lab File: BF143487.D
Acq: 20 Aug 2025 16:15

Tgt Ion:276 Resp: 797119
Ion Ratio Lower Upper
276 100
277 24.0 18.9 28.3
138 20.8 16.3 24.5

