

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
 Data File : BF142169.D
 Acq On : 28 Mar 2025 19:32
 Operator : RC/JU
 Sample : Q1657-01MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11998MSD

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/31/2025
 Supervised By :Jagrut Upadhyay 03/31/2025

Quant Time: Mar 28 22:48:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	130328	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	497311	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	263671	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	388485	20.000	ng	0.00
76) Chrysene-d12	14.039	240	302251	20.000	ng	0.00
86) Perylene-d12	15.510	264	258436	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	648255	83.014	ng	0.00
7) Phenol-d6	6.498	99	874391	87.945	ng	0.00
23) Nitrobenzene-d5	7.434	82	556069	62.925	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	262069	78.346	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1102261	63.577	ng	-0.01
79) Terphenyl-d14	12.980	244	1058009	51.752	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.699	88	138108	42.210	ng	98
3) Pyridine	3.457	79	361302	45.017	ng	96
4) n-Nitrosodimethylamine	3.410	42	171058	44.711	ng	94
6) Aniline	6.534	93	166790	17.005	ng	94
8) 2-Chlorophenol	6.657	128	437484	50.514	ng	97
9) Benzaldehyde	6.422	77	274705	49.402	ng	99
10) Phenol	6.516	94	501334	47.930	ng	98
11) bis(2-Chloroethyl)ether	6.604	93	372007	47.365	ng	98
12) 1,3-Dichlorobenzene	6.810	146	462907	49.508	ng	99
13) 1,4-Dichlorobenzene	6.887	146	469781	49.658	ng	99
14) 1,2-Dichlorobenzene	7.040	146	452800	50.815	ng	98
15) Benzyl Alcohol	7.010	79	379168	47.172	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	411780	43.427	ng	95
17) 2-Methylphenol	7.122	107	340999	49.520	ng	100
18) Hexachloroethane	7.381	117	174266	49.123	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	282518	44.222	ng	98
20) 3+4-Methylphenols	7.275	107	430724	48.833	ng	# 81
22) Acetophenone	7.281	105	574003	48.197	ng	97
24) Nitrobenzene	7.451	77	437049	49.749	ng	98
25) Isophorone	7.692	82	793179	50.777	ng	99
26) 2-Nitrophenol	7.769	139	237523	55.088	ng	98
27) 2,4-Dimethylphenol	7.804	122	393482	66.276	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	485057	49.508	ng	99
29) 2,4-Dichlorophenol	8.010	162	371208	50.373	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	416825	51.326	ng	99
31) Naphthalene	8.175	128	1269886	49.710	ng	100
32) Benzoic acid	7.898	122	45489	8.716	ng	90
33) 4-Chloroaniline	8.222	127	74785	8.293	ng	98
34) Hexachlorobutadiene	8.292	225	284137	53.649	ng	99
35) Caprolactam	8.592	113	92143m	41.012	ng	
36) 4-Chloro-3-methylphenol	8.710	107	389827	47.422	ng	97
37) 2-Methylnaphthalene	8.869	142	767249	44.933	ng	100
38) 1-Methylnaphthalene	8.969	142	845263	51.298	ng	98
40) 1,2,4,5-Tetrachloroben...	9.034	216	437987	54.559	ng	99
41) Hexachlorocyclopentadiene	9.022	237	343957	109.480	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	271769	51.801	ng	99

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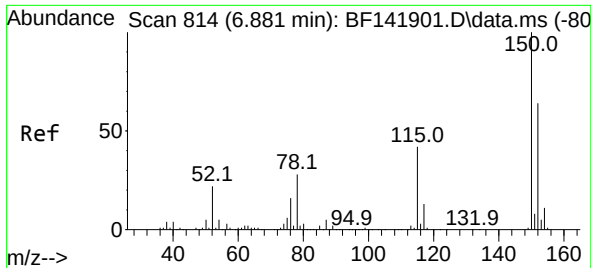
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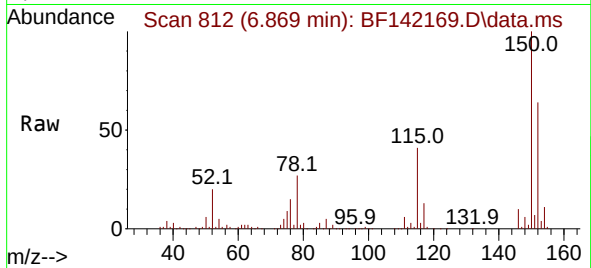
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	281532	52.983	ng	98
46) 1,1'-Biphenyl	9.334	154	1118673	55.838	ng	99
47) 2-Chloronaphthalene	9.357	162	780417	52.263	ng	98
48) 2-Nitroaniline	9.451	65	227089	52.524	ng	99
49) Acenaphthylene	9.775	152	1211914	54.691	ng	100
50) Dimethylphthalate	9.634	163	973078	52.701	ng	100
51) 2,6-Dinitrotoluene	9.692	165	202827	52.759	ng	96
52) Acenaphthene	9.945	154	1030289	66.161	ng	99
53) 3-Nitroaniline	9.863	138	87594	22.462	ng	95
54) 2,4-Dinitrophenol	9.969	184	52082	28.458	ng	# 59
55) Dibenzofuran	10.116	168	1349609	60.653	ng	99
56) 4-Nitrophenol	10.022	139	266137	90.497	ng	97
57) 2,4-Dinitrotoluene	10.098	165	273910	54.551	ng	97
58) Fluorene	10.463	166	1112080	64.809	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.233	232	212431	43.934	ng	96
60) Diethylphthalate	10.328	149	920994	50.024	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	442570	49.471	ng	97
62) 4-Nitroaniline	10.475	138	165711	43.648	ng	98
63) Azobenzene	10.610	77	799807	46.726	ng	91
65) 4,6-Dinitro-2-methylph...	10.504	198	60701	26.210	ng	99
66) n-Nitrosodiphenylamine	10.569	169	726773	57.811	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	278531	57.089	ng	96
68) Hexachlorobenzene	11.010	284	298108	55.710	ng	93
69) Atrazine	11.098	200	252651	65.557	ng	99
70) Pentachlorophenol	11.204	266	263656	79.970	ng	99
71) Phenanthrene	11.428	178	2308568	110.019	ng	99
72) Anthracene	11.475	178	1260560	59.879	ng	100
73) Carbazole	11.628	167	946022	52.107	ng	99
74) Di-n-butylphthalate	11.957	149	1247452	51.783	ng	99
75) Fluoranthene	12.610	202	1717597	77.166	ng	99
77) Benzidine	12.733	184	365631	86.705	ng	100
78) Pyrene	12.839	202	1533419	58.650	ng	99
80) Butylbenzylphthalate	13.457	149	475584	46.474	ng	96
81) Benzo(a)anthracene	14.027	228	1185703	59.782	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	97967	17.092	ng	99
83) Chrysene	14.069	228	1073670	59.719	ng	99
84) Bis(2-ethylhexyl)phtha...	14.010	149	689941	48.899	ng	100
85) Di-n-octyl phthalate	14.627	149	1154300	58.797	ng	98
87) Indeno(1,2,3-cd)pyrene	17.010	276	829455	49.615	ng	98
88) Benzo(b)fluoranthene	15.080	252	1019559	57.563	ng	99
89) Benzo(k)fluoranthene	15.110	252	789288	52.072	ng	99
90) Benzo(a)pyrene	15.451	252	829816	59.875	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	674123	48.872	ng	99
92) Benzo(g,h,i)perylene	17.457	276	637301	46.755	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

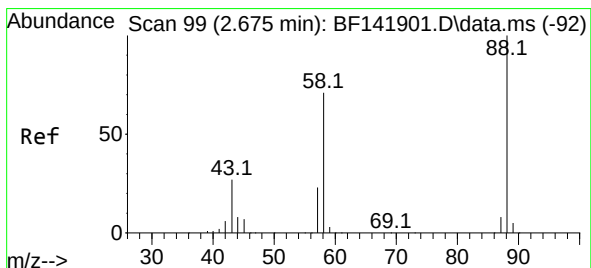
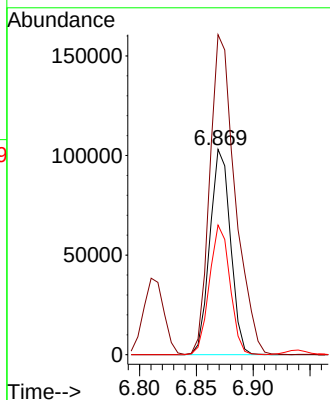
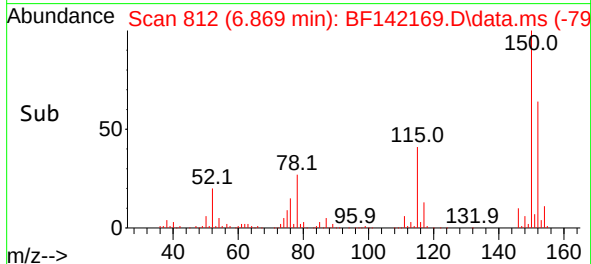
Instrument :
BNA_F
ClientSampleId :
72-11998MSD



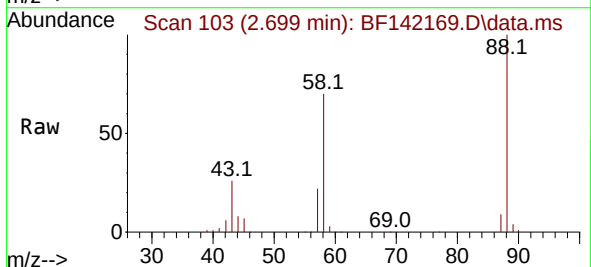
Tgt Ion:152 Resp: 130328
Ion Ratio Lower Upper
152 100
150 155.9 127.4 191.2
115 63.2 51.9 77.9

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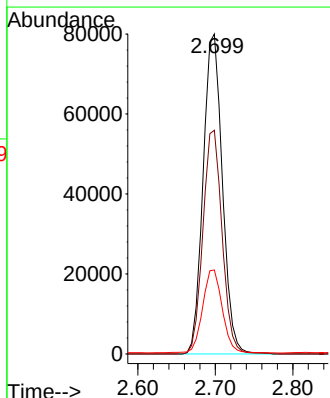
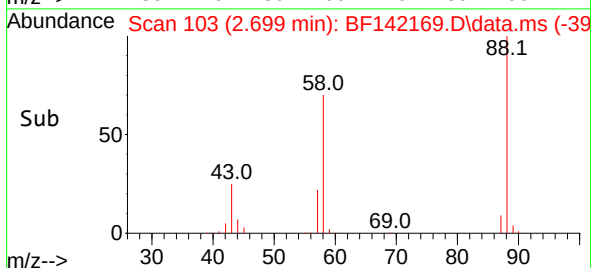
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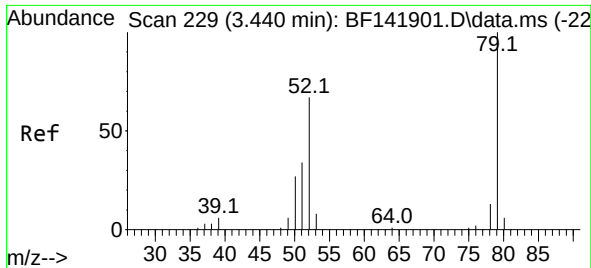


#2
1,4-Dioxane
Concen: 42.210 ng
RT: 2.699 min Scan# 103
Delta R.T. 0.024 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32



Tgt Ion: 88 Resp: 138108
Ion Ratio Lower Upper
88 100
58 69.6 57.4 86.2
43 26.7 21.5 32.3





#3

Pyridine

Concen: 45.017 ng

RT: 3.457 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

72-11998MSD

Tgt Ion: 79 Resp: 36130

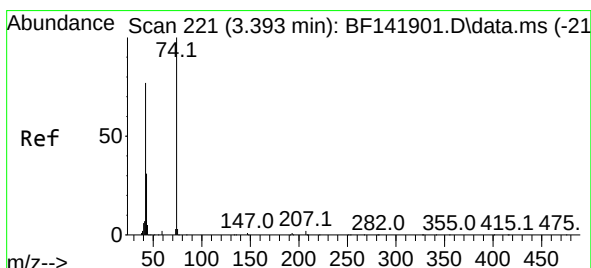
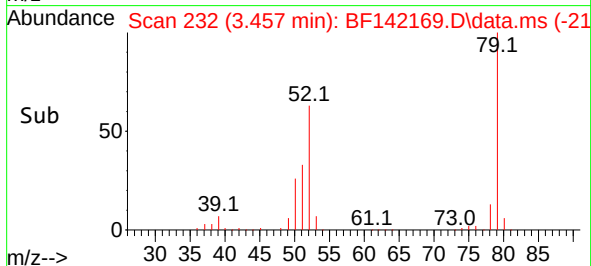
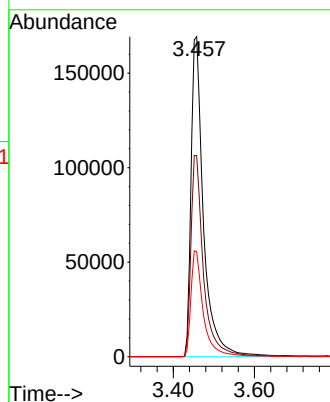
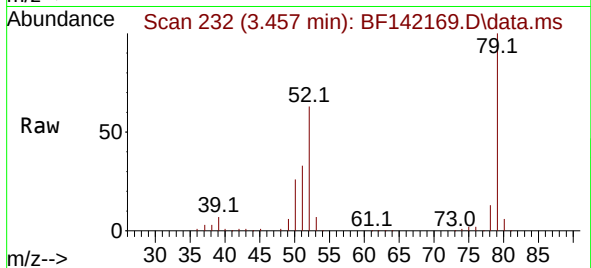
Ion	Ratio	Lower	Upper
79	100		
52	62.8	53.3	79.9
51	32.8	27.6	41.4

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#4

n-Nitrosodimethylamine

Concen: 44.711 ng

RT: 3.410 min Scan# 224

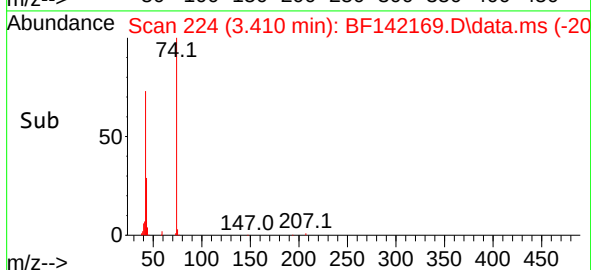
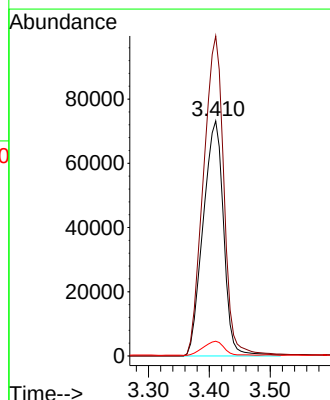
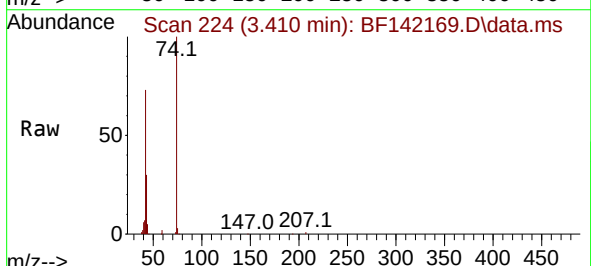
Delta R.T. 0.018 min

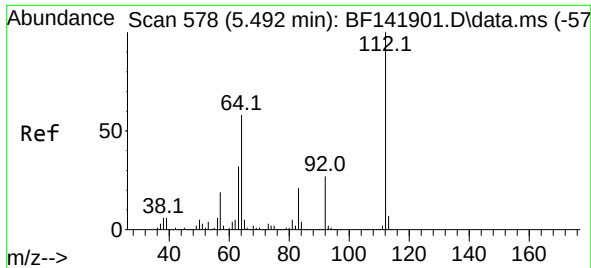
Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

Tgt Ion: 42 Resp: 171058

Ion	Ratio	Lower	Upper
42	100		
74	136.1	103.4	155.0
44	6.3	5.0	7.4





#5
2-Fluorophenol
Concen: 83.014 ng
RT: 5.493 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

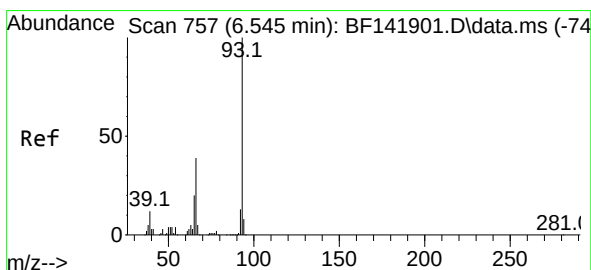
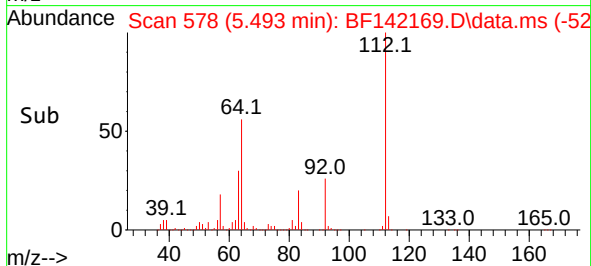
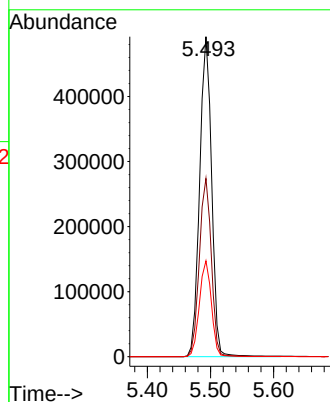
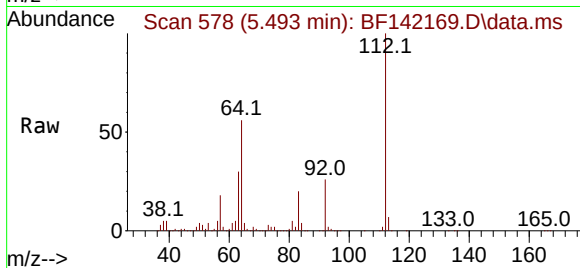
72-11998MSD

Tgt Ion:112 Resp: 64825
Ion Ratio Lower Upper
112 100
64 55.7 46.5 69.7
63 29.9 25.4 38.2

Manual Integrations

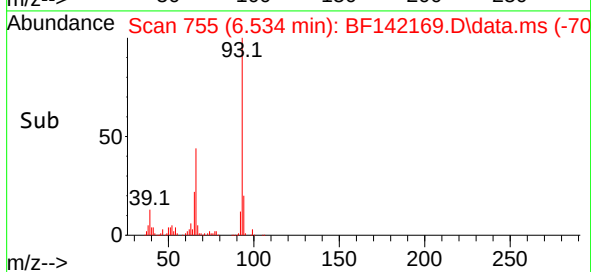
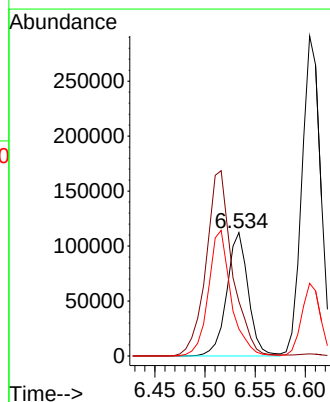
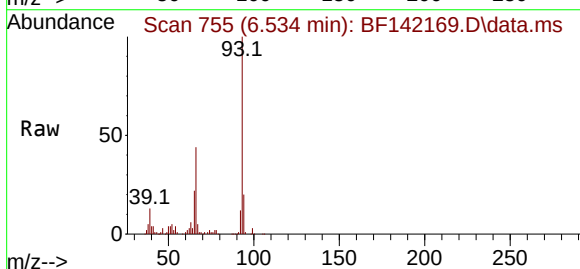
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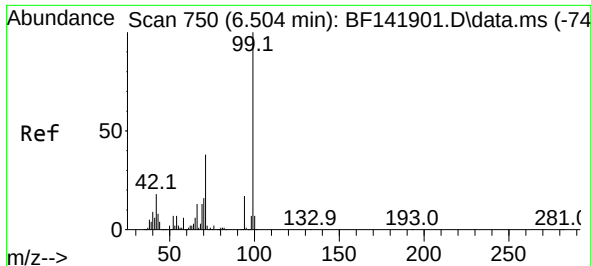
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Supervised By :Jagrut Upadhyay 03/31/2025



#6
Aniline
Concen: 17.005 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

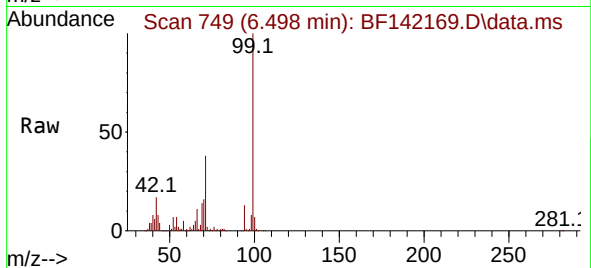
Tgt Ion: 93 Resp: 166790
Ion Ratio Lower Upper
93 100
66 44.1 31.9 47.9
65 21.8 15.8 23.6





#7
Phenol-d6
Concen: 87.945 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

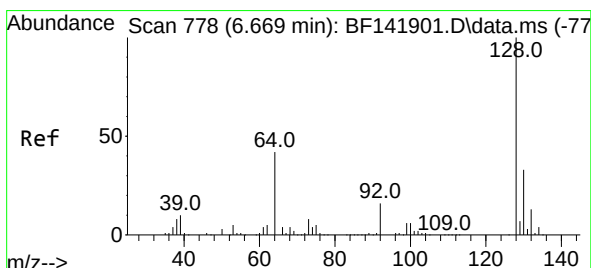
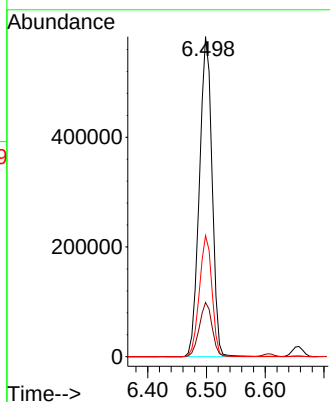
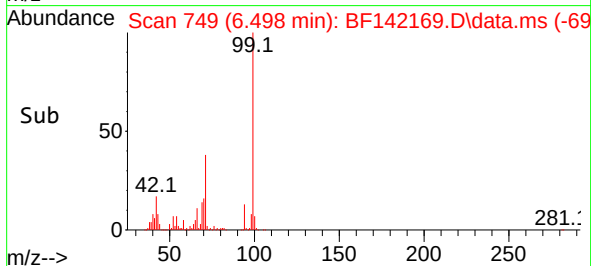
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ClientSampleId :
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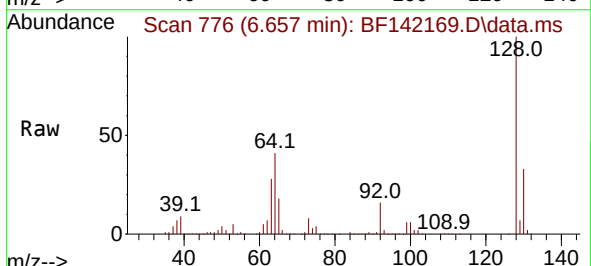
Tgt Ion: 99 Resp: 87439
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 37.8 30.8 46.2

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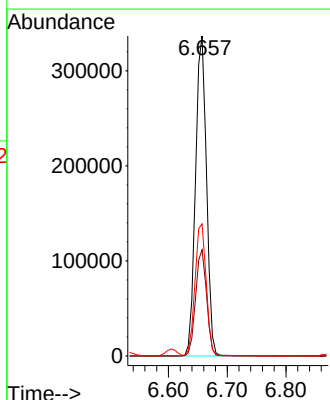
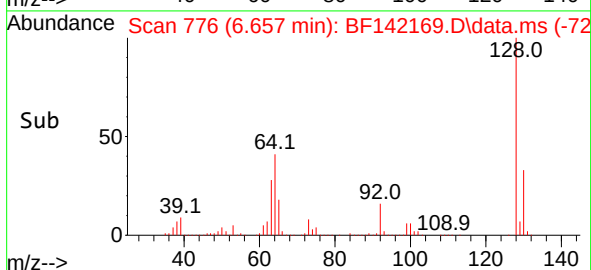
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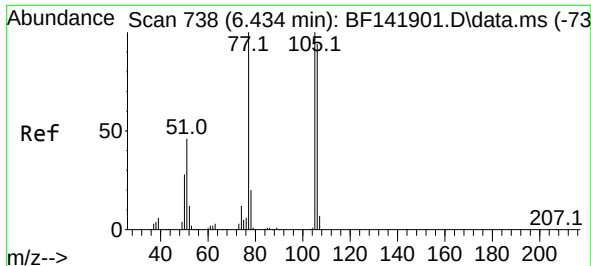


#8
2-Chlorophenol
Concen: 50.514 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32



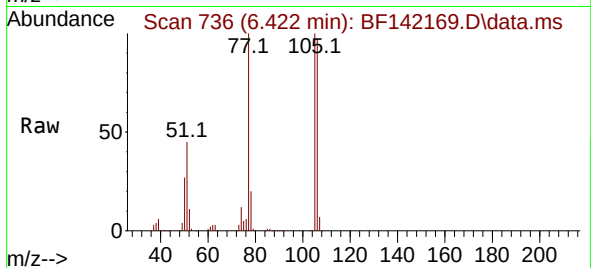
Tgt Ion:128 Resp: 437484
Ion Ratio Lower Upper
128 100
130 33.2 12.8 52.8
64 41.3 24.4 64.4





#9
Benzaldehyde
Concen: 49.402 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

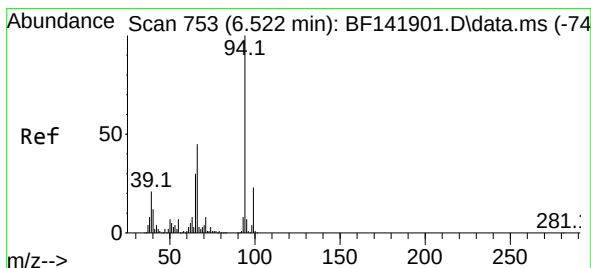
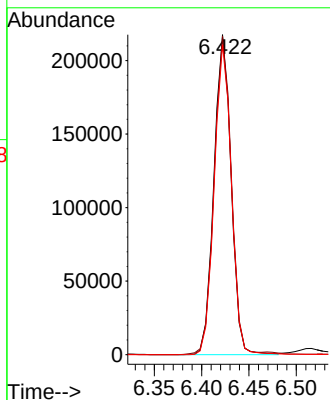
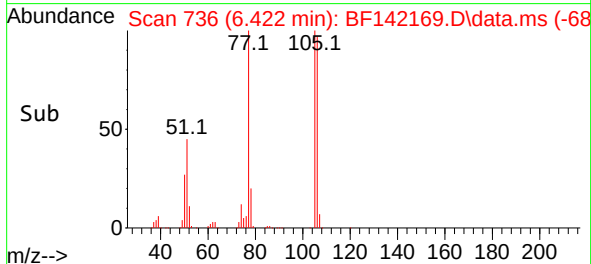
Instrument :
BNA_F
ClientSampleId :
72-11998MSD



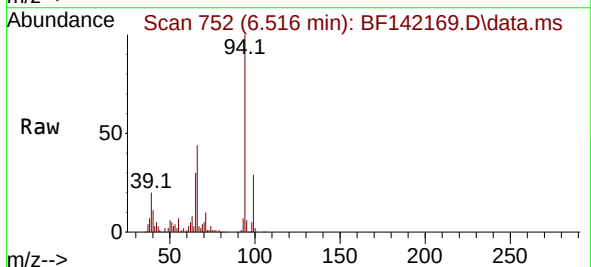
Tgt Ion: 77 Resp: 27470
Ion Ratio Lower Upper
77 100
105 99.6 80.0 120.0
106 96.9 74.5 114.5

Manual Integrations
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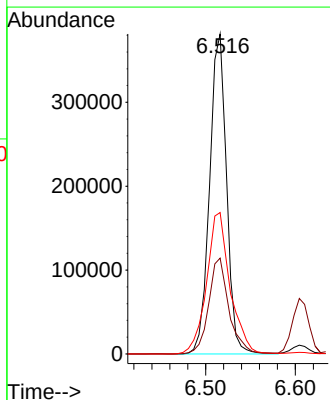
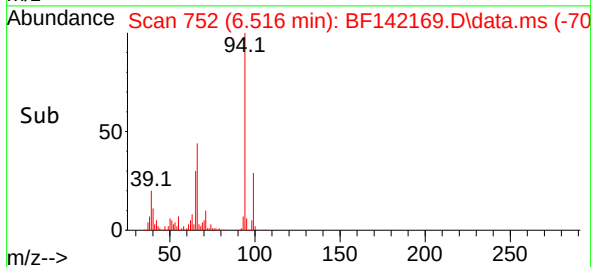
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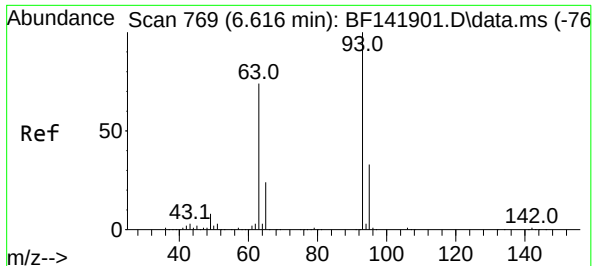


#10
Phenol
Concen: 47.930 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32



Tgt Ion: 94 Resp: 501334
Ion Ratio Lower Upper
94 100
65 29.9 10.5 50.5
66 44.2 25.8 65.8





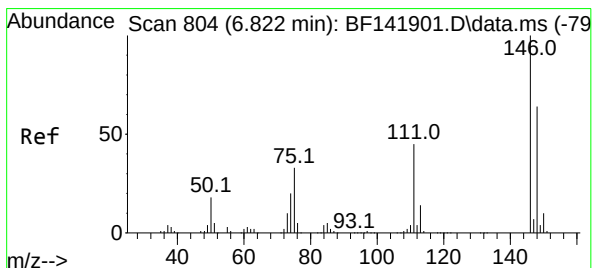
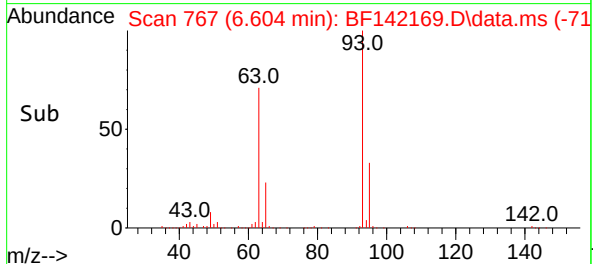
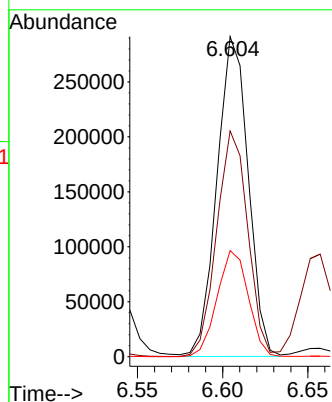
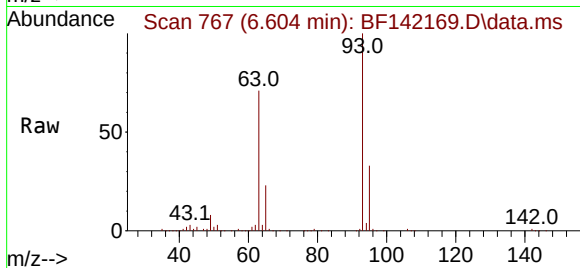
#11
bis(2-Chloroethyl)ether
Concen: 47.365 ng
RT: 6.604 min Scan# 70
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Instrument :
BNA_F
ClientSampleId :
72-11998MSD

Tgt Ion: 93 Resp: 372007
Ion Ratio Lower Upper
93 100
63 70.5 53.0 93.0
95 33.2 12.9 52.9

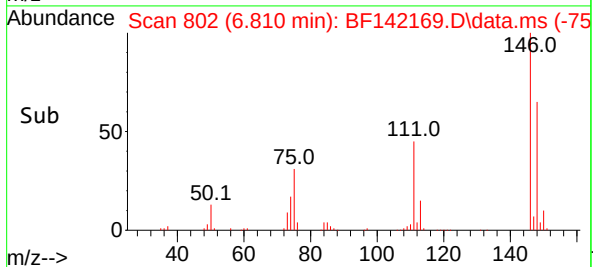
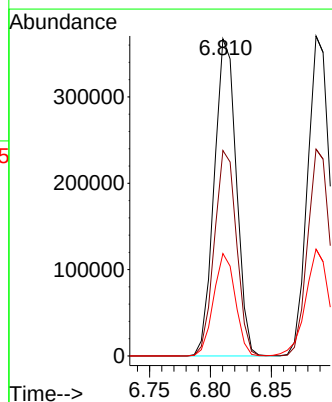
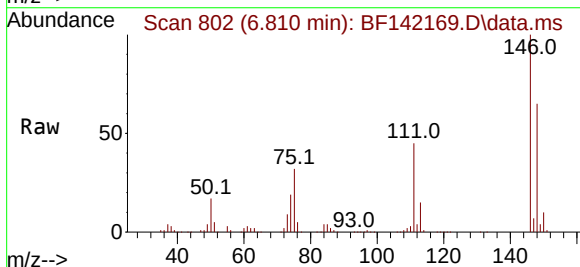
Manual Integrations
APPROVED

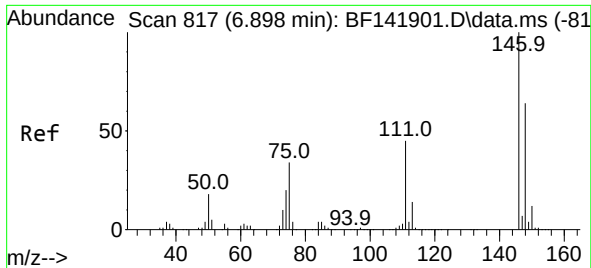
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#12
1,3-Dichlorobenzene
Concen: 49.508 ng
RT: 6.810 min Scan# 802
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

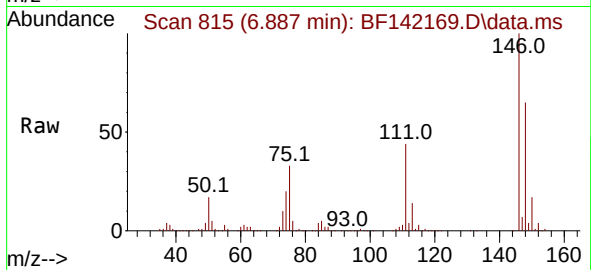
Tgt Ion:146 Resp: 462907
Ion Ratio Lower Upper
146 100
148 64.8 51.3 76.9
75 32.3 26.6 40.0





#13
1,4-Dichlorobenzene
Concen: 49.658 ng
RT: 6.887 min Scan# 815
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

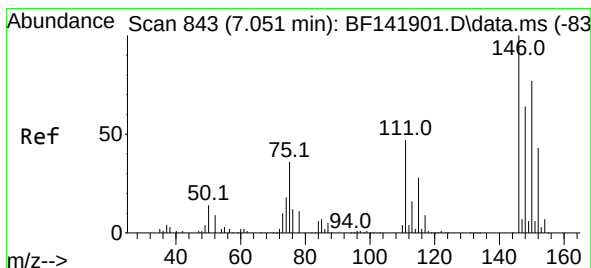
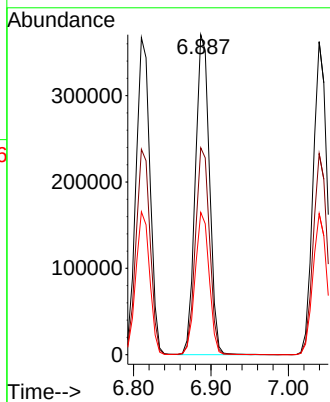
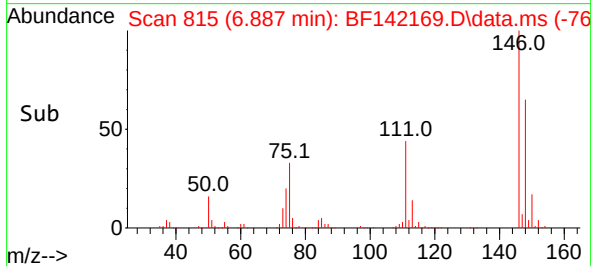
Instrument :
BNA_F
ClientSampleId :
72-11998MSD



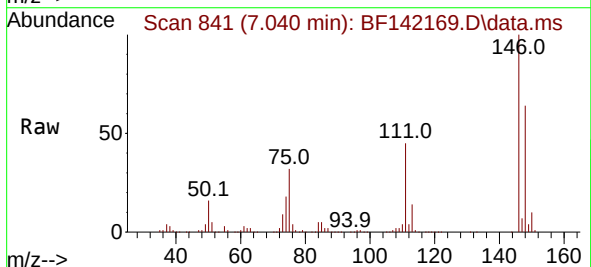
Tgt Ion:146 Resp: 46978
Ion Ratio Lower Upper
146 100
148 64.6 51.0 76.6
111 44.4 35.7 53.5

Manual Integrations
APPROVED

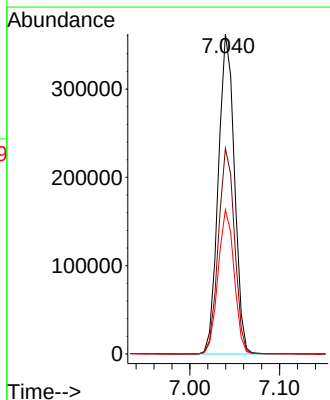
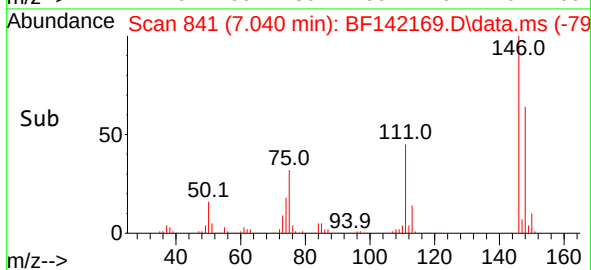
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025

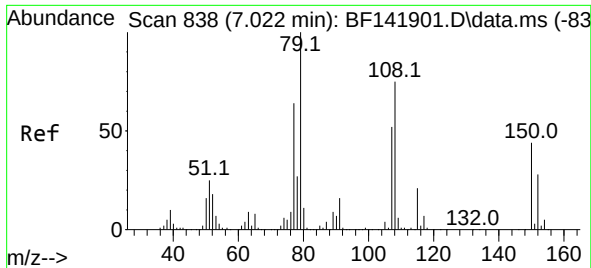


#14
1,2-Dichlorobenzene
Concen: 50.815 ng
RT: 7.040 min Scan# 841
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32



Tgt Ion:146 Resp: 452800
Ion Ratio Lower Upper
146 100
148 64.3 50.8 76.2
111 45.1 38.0 57.0





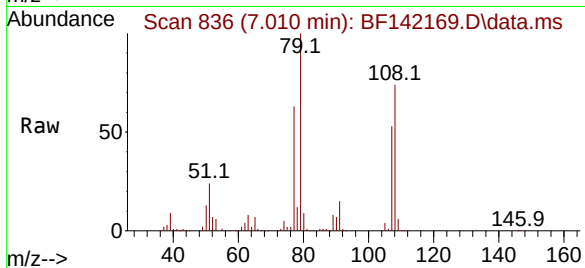
#15
Benzyl Alcohol
Concen: 47.172 ng
RT: 7.010 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

72-11998MSD

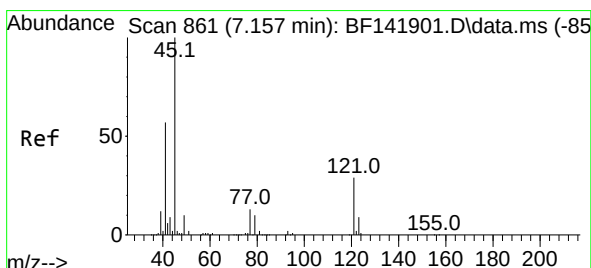
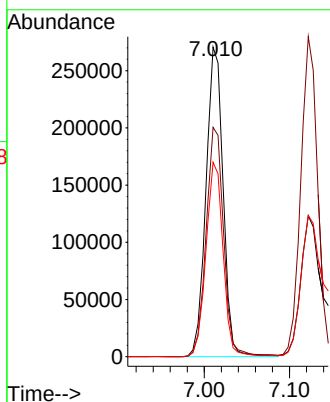
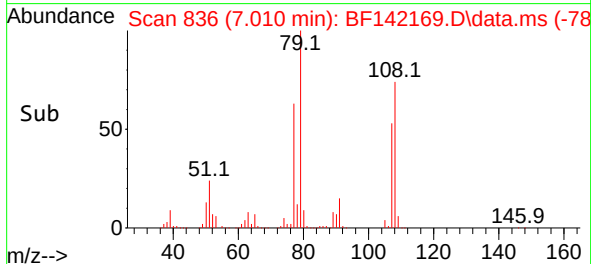


Tgt Ion: 79 Resp: 379168
Ion Ratio Lower Upper
79 100
108 74.1 59.7 89.5
77 62.8 51.0 76.6

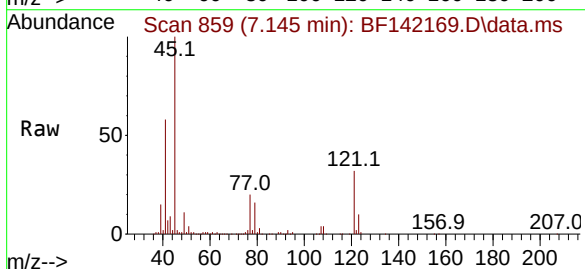
Manual Integrations

APPROVED

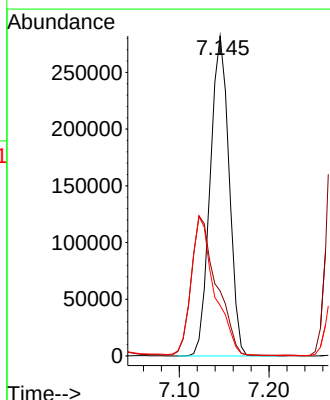
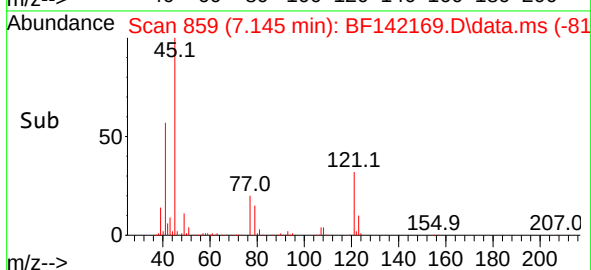
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025

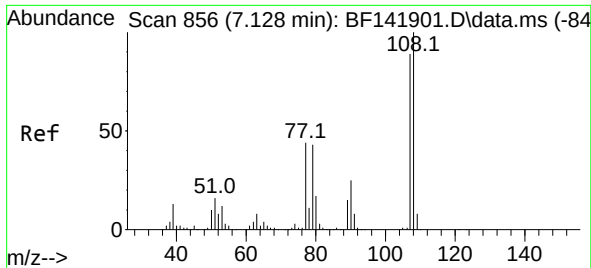


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.427 ng
RT: 7.145 min Scan# 859
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32



Tgt Ion: 45 Resp: 411780
Ion Ratio Lower Upper
45 100
77 20.3 0.0 37.8
79 15.8 0.0 34.2





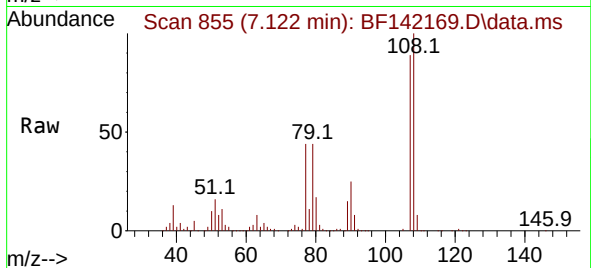
#17
2-Methylphenol
Concen: 49.520 ng
RT: 7.122 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

72-11998MSD

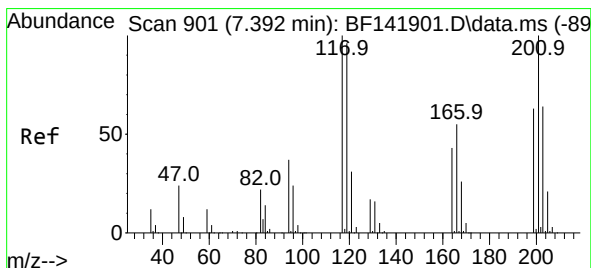
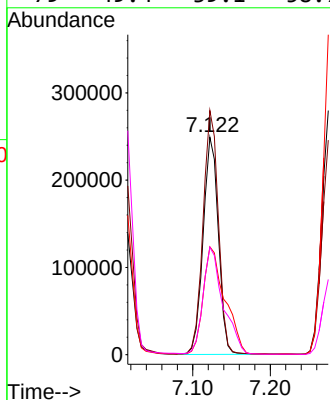
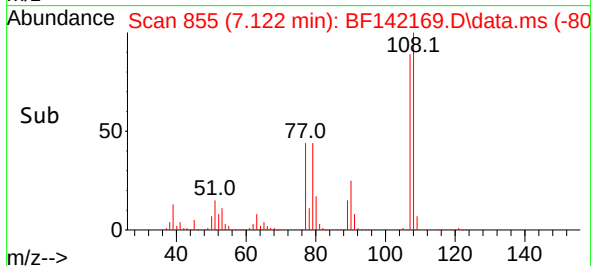


Tgt Ion:107 Resp: 340999
Ion Ratio Lower Upper
107 100
108 112.2 90.2 135.2
77 49.6 39.6 59.4
79 49.4 39.1 58.7

Manual Integrations

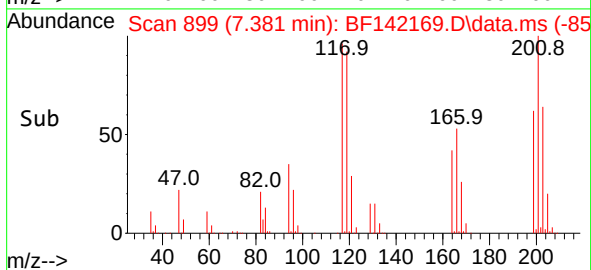
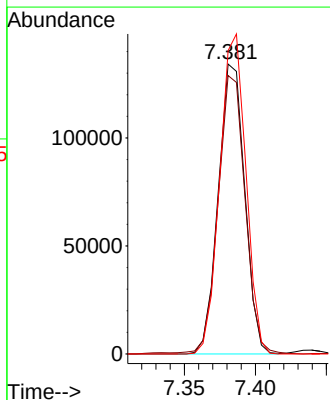
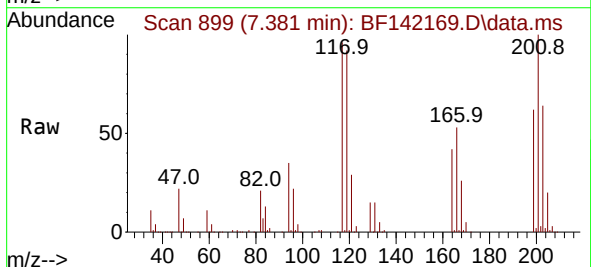
APPROVED

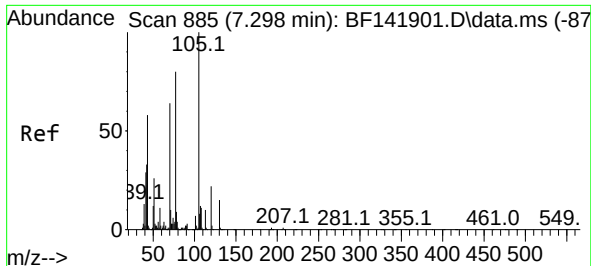
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#18
Hexachloroethane
Concen: 49.123 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Tgt Ion:117 Resp: 174266
Ion Ratio Lower Upper
117 100
119 96.0 76.9 115.3
201 104.6 79.9 119.9





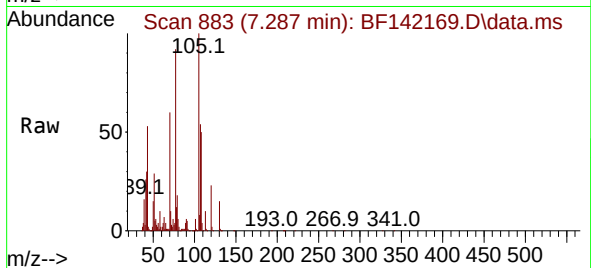
#19
n-Nitroso-di-n-propylamine
Concen: 44.222 ng
RT: 7.287 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

72-11998MSD

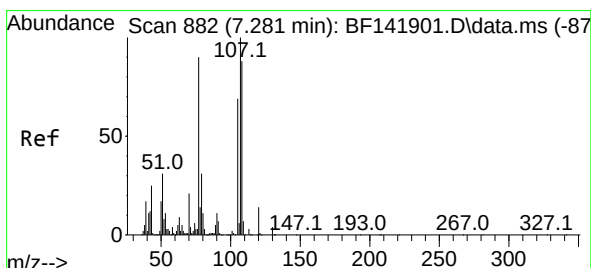
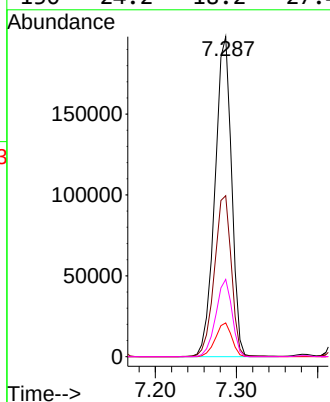
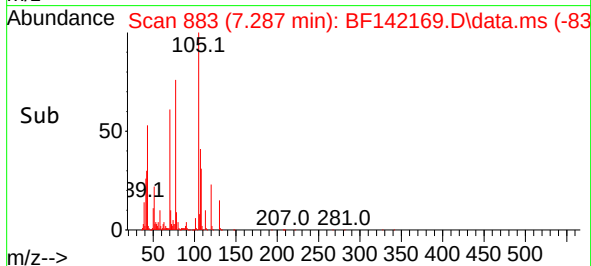


Tgt Ion: 70 Resp: 282518
Ion Ratio Lower Upper
70 100
42 50.3 41.4 62.0
101 10.5 8.2 12.2
130 24.2 18.2 27.4

Manual Integrations

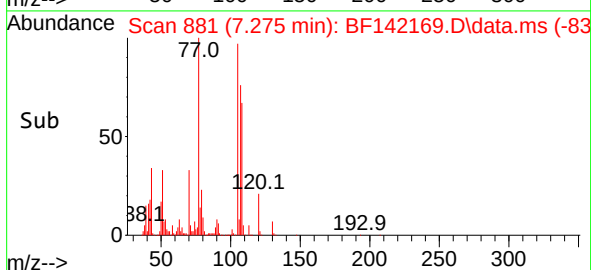
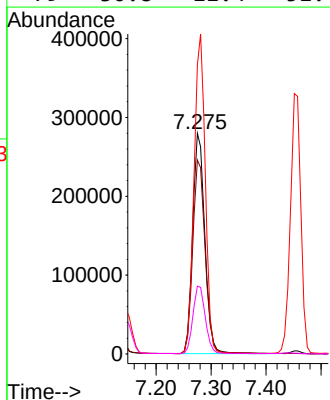
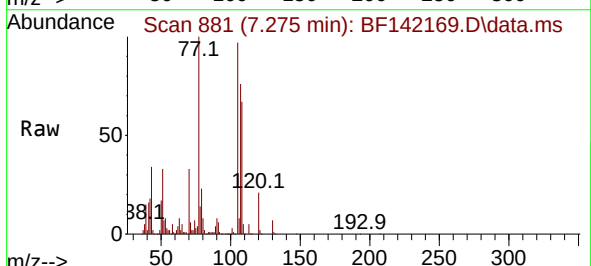
APPROVED

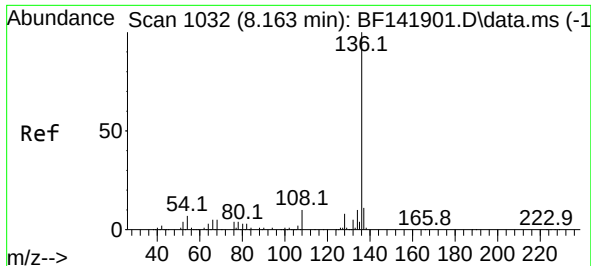
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#20
3+4-Methylphenols
Concen: 48.833 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Tgt Ion:107 Resp: 430724
Ion Ratio Lower Upper
107 100
108 87.9 68.4 108.4
77 131.0 69.7 109.7#
79 30.8 11.4 51.4





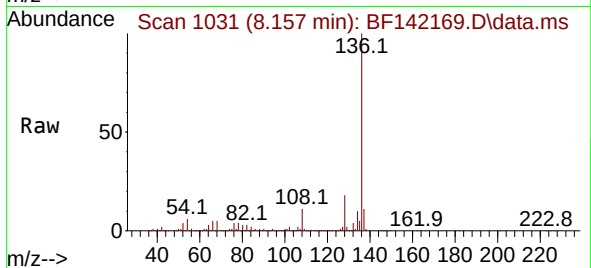
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

72-11998MSD

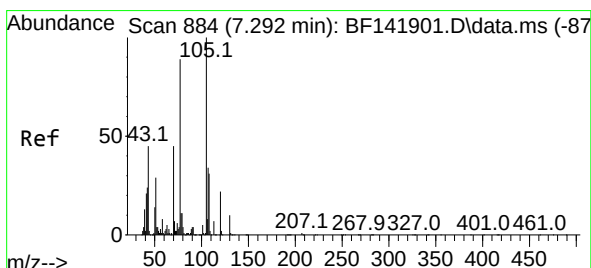
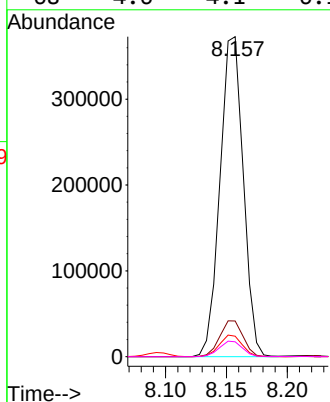
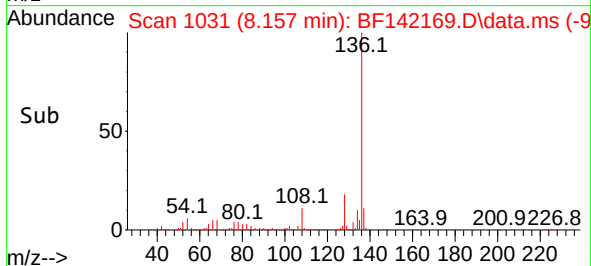


Tgt Ion:136 Resp: 49731
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 6.4 5.8 8.8
68 4.6 4.1 6.1

Manual Integrations

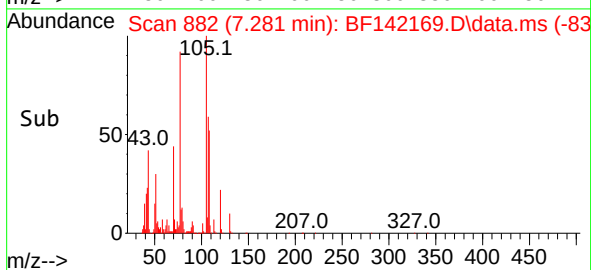
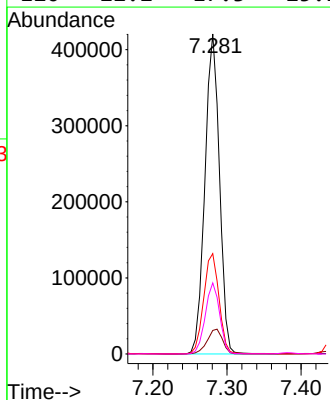
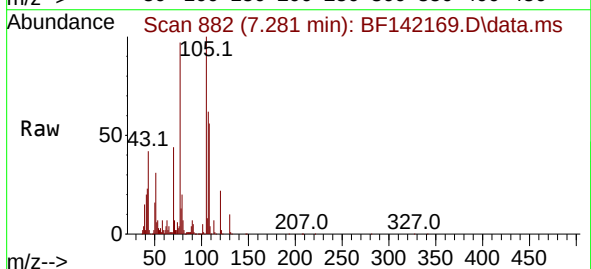
APPROVED

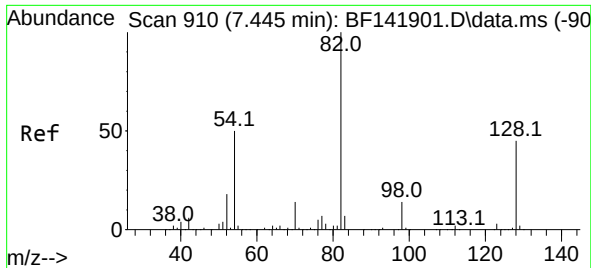
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#22
Acetophenone
Concen: 48.197 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Tgt Ion:105 Resp: 574003
Ion Ratio Lower Upper
105 100
71 7.3 5.8 8.8
51 31.4 23.4 35.0
120 22.2 17.3 25.9





#23
Nitrobenzene-d5
Concen: 62.925 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

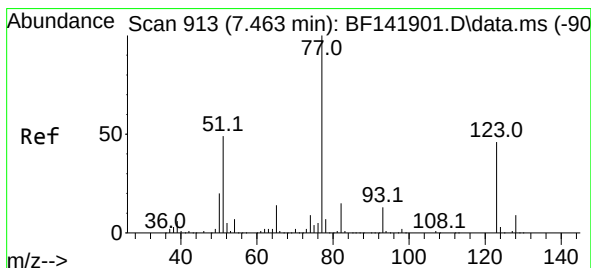
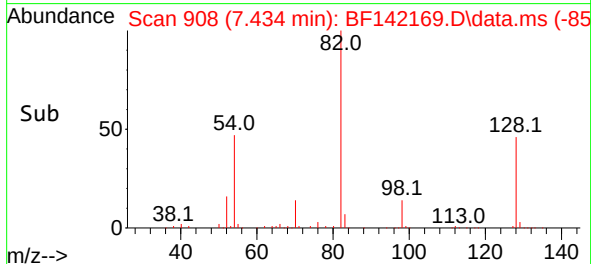
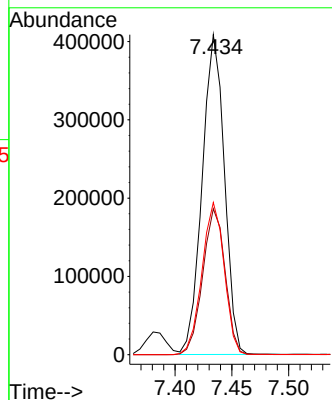
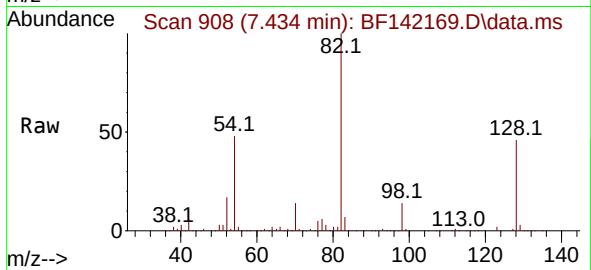
ClientSampleId :

72-11998MSD

Tgt Ion: 82 Resp: 556069
Ion Ratio Lower Upper
82 100
128 45.6 36.0 54.0
54 47.6 39.6 59.4

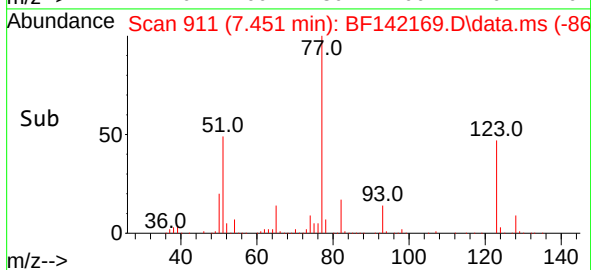
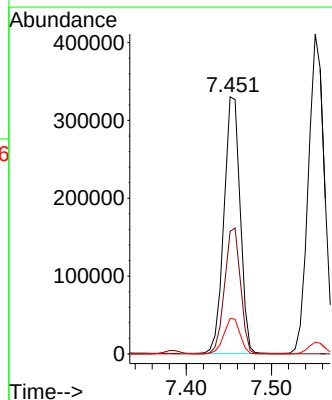
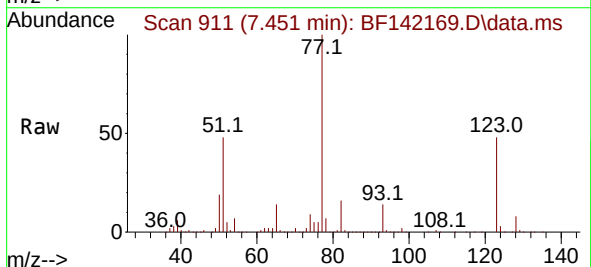
Manual Integrations
APPROVED

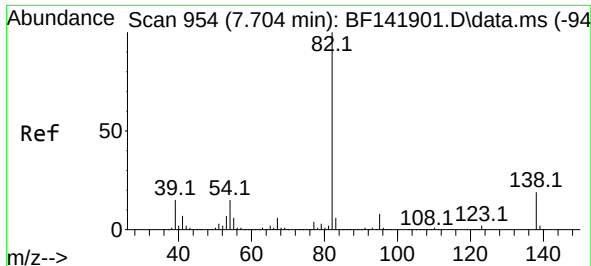
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#24
Nitrobenzene
Concen: 49.749 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Tgt Ion: 77 Resp: 437049
Ion Ratio Lower Upper
77 100
123 47.7 37.0 55.4
65 13.8 11.3 16.9





#25
Isophorone
Concen: 50.777 ng
RT: 7.692 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

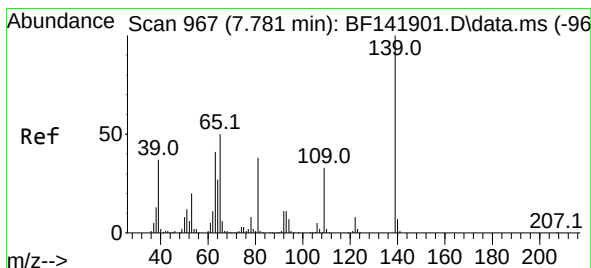
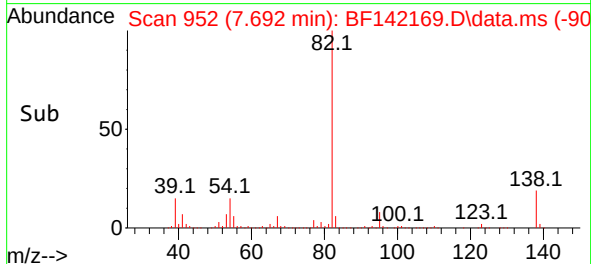
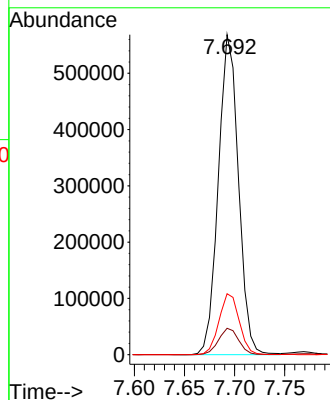
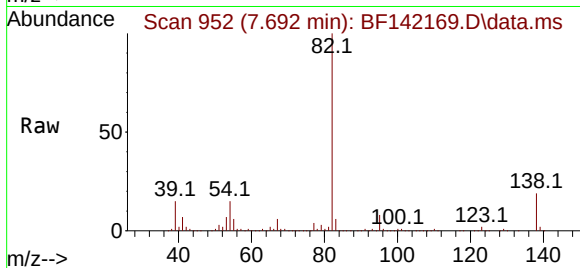
72-11998MSD

Tgt Ion: 82 Resp: 793179
Ion Ratio Lower Upper
82 100
95 8.3 6.4 9.6
138 19.1 14.9 22.3

Manual Integrations

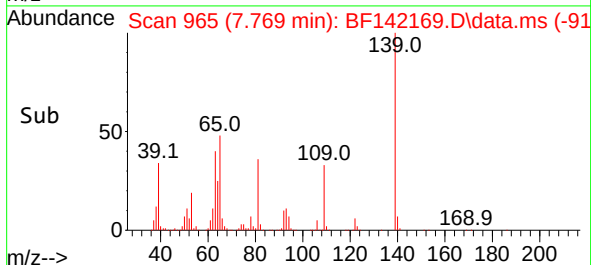
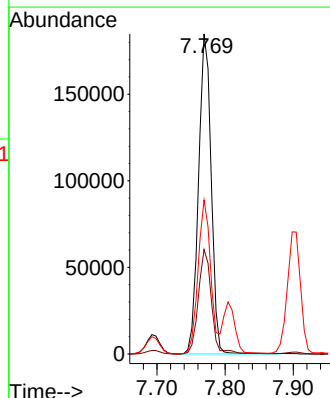
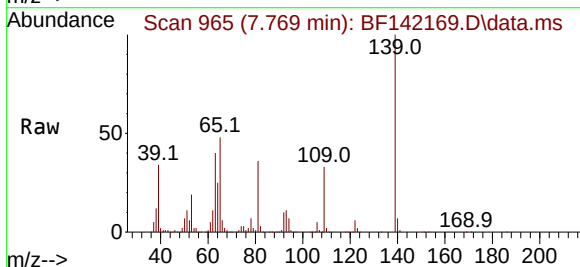
APPROVED

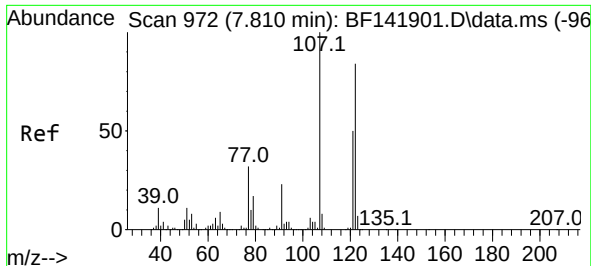
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#26
2-Nitrophenol
Concen: 55.088 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Tgt Ion:139 Resp: 237523
Ion Ratio Lower Upper
139 100
109 32.6 26.5 39.7
65 48.1 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 66.276 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142169.D

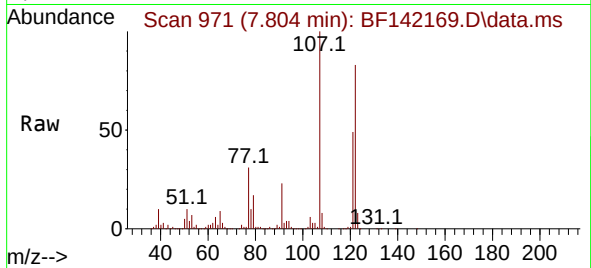
Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

72-11998MSD



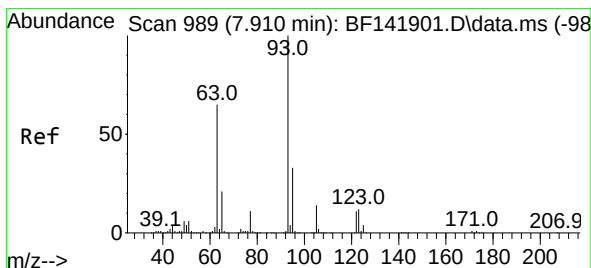
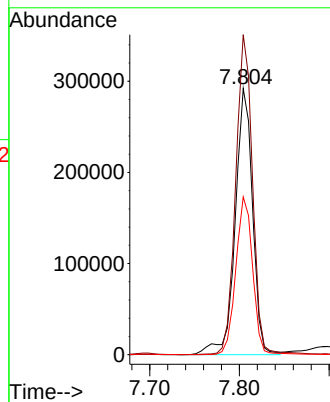
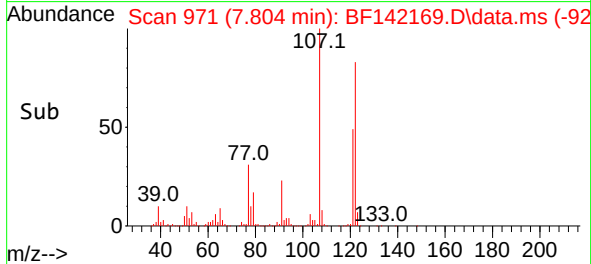
Tgt Ion	Ratio	Lower	Upper
122	100		
107	120.3	94.8	142.2
121	59.3	47.8	71.6

Manual Integrations

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Reviewed By :Anahy Claudio 03/31/2025

Supervised By :Jagrut Upadhyay 03/31/2025



#28

bis(2-Chloroethoxy)methane

Concen: 49.508 ng

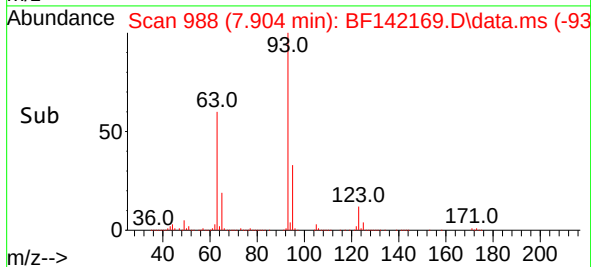
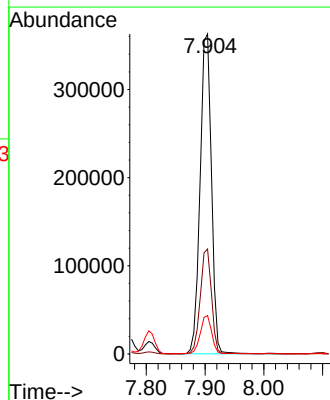
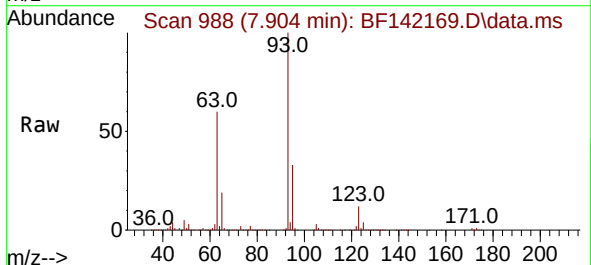
RT: 7.904 min Scan# 988

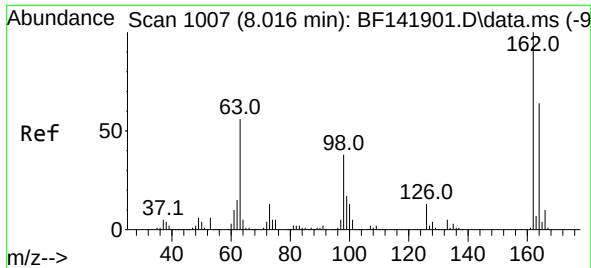
Delta R.T. -0.006 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.6	40.0
123	12.0	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 50.373 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

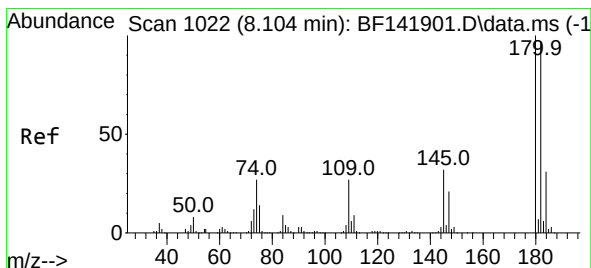
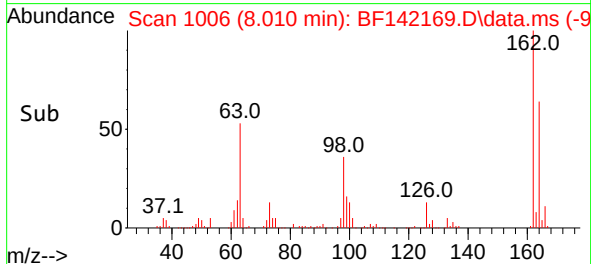
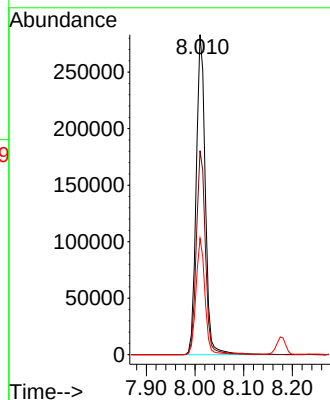
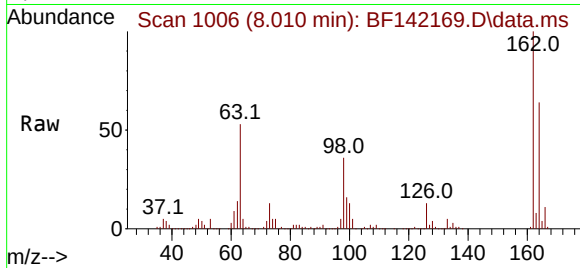
72-11998MSD

Tgt Ion:162	Resp:	371208
Ion Ratio	Lower	Upper
162	100	
164	63.8	43.8 83.8
98	36.3	18.1 58.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#30

1,2,4-Trichlorobenzene

Concen: 51.326 ng

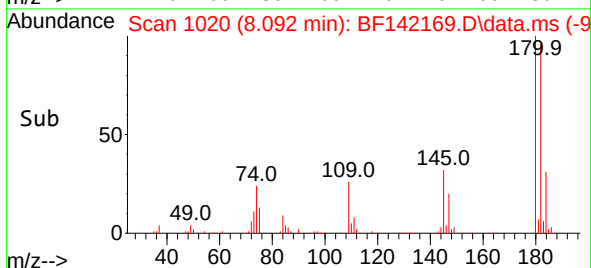
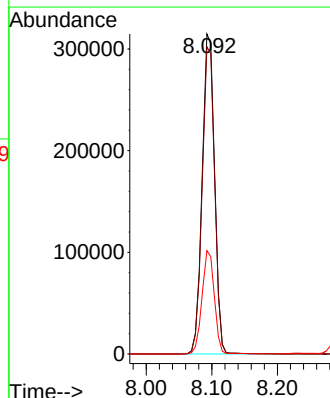
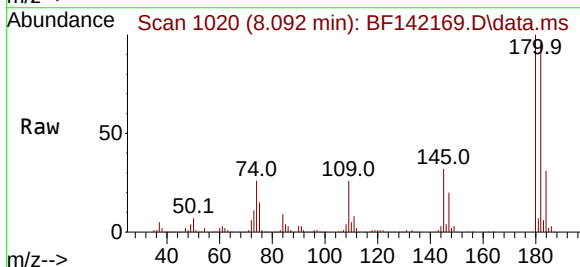
RT: 8.092 min Scan# 1020

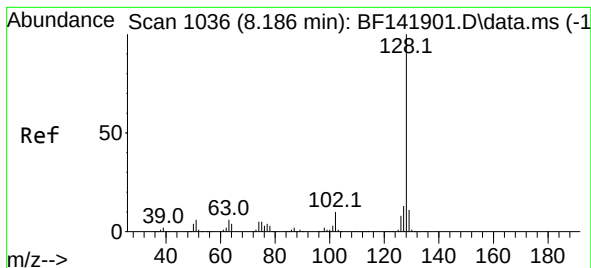
Delta R.T. -0.012 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

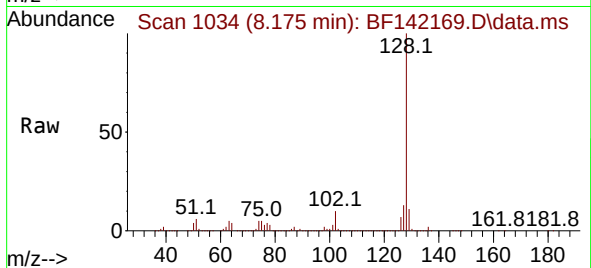
Tgt Ion:180	Resp:	416825
Ion Ratio	Lower	Upper
180	100	
182	96.0	77.5 116.3
145	32.3	25.8 38.6





#31
Naphthalene
Concen: 49.710 ng
RT: 8.175 min Scan# 1036
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

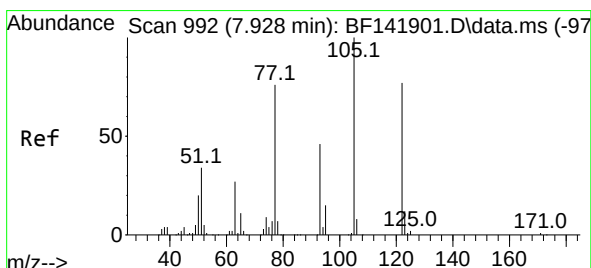
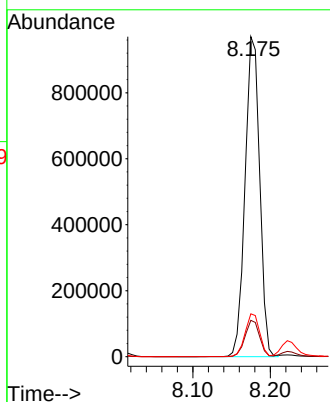
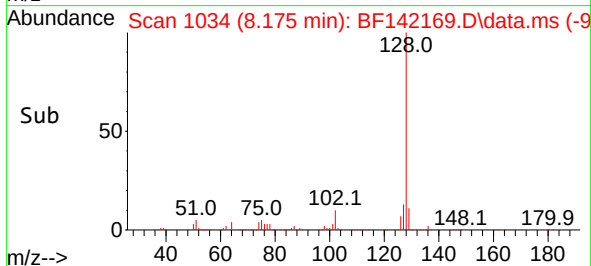
Instrument :
BNA_F
ClientSampleId :
72-11998MSD



Tgt Ion:128 Resp: 1269880
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 13.4 10.8 16.2

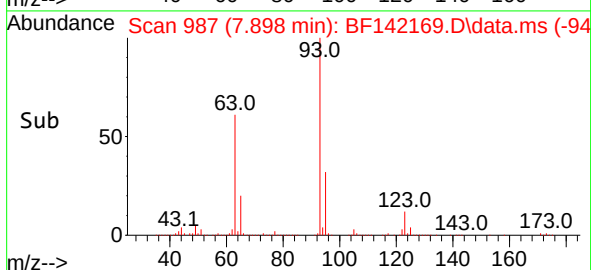
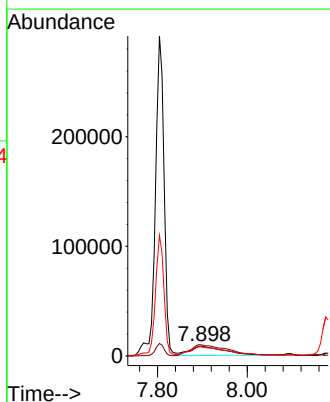
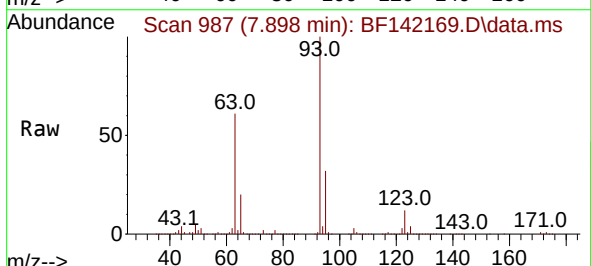
Manual Integrations
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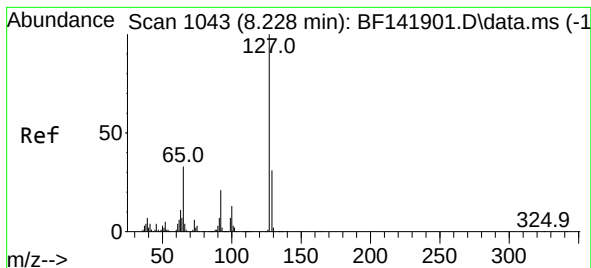
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#32
Benzoic acid
Concen: 8.716 ng
RT: 7.898 min Scan# 987
Delta R.T. -0.030 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Tgt Ion:122 Resp: 45489
Ion Ratio Lower Upper
122 100
105 113.6 107.9 147.9
77 92.1 79.0 119.0





#33

4-Chloroaniline

Concen: 8.293 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.006 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

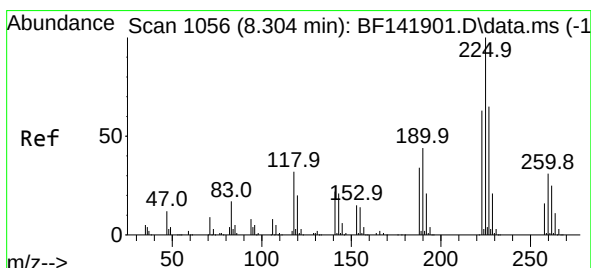
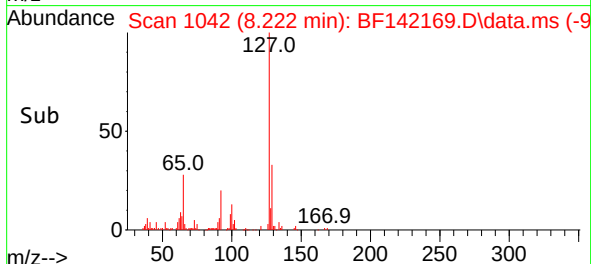
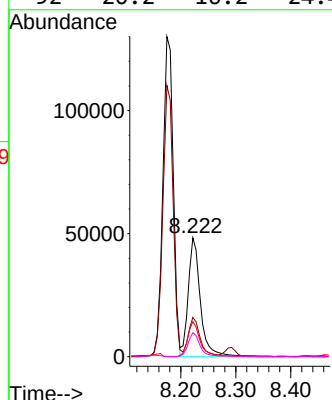
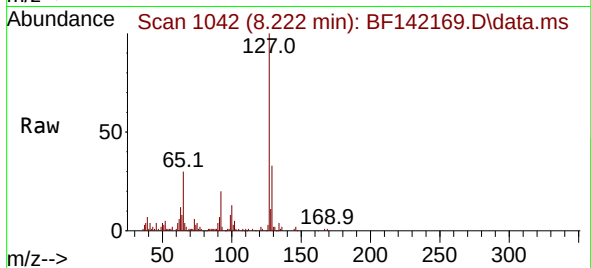
72-11998MSD

Tgt Ion:	127	Resp:	7478
Ion Ratio	Lower	Upper	
127	100		
129	33.0	26.2	39.4
65	29.5	25.4	38.2
92	20.2	16.2	24.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#34

Hexachlorobutadiene

Concen: 53.649 ng

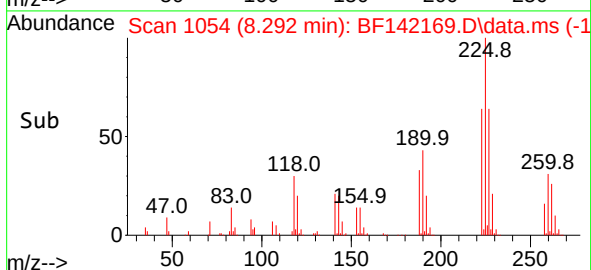
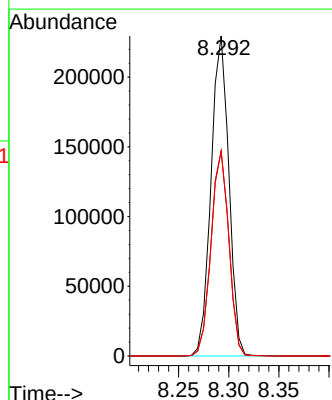
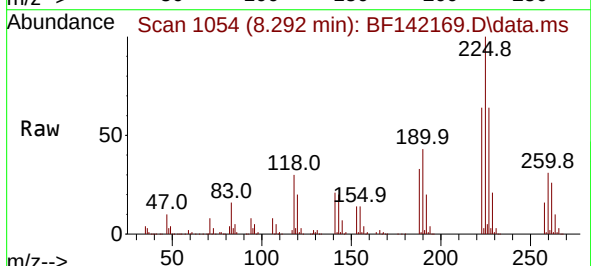
RT: 8.292 min Scan# 1054

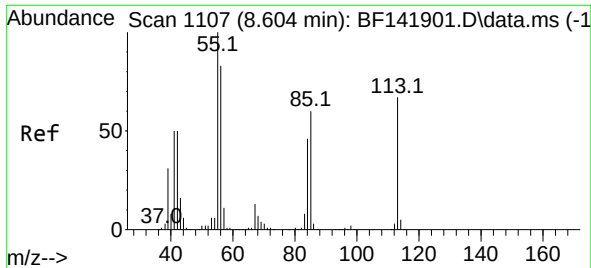
Delta R.T. -0.012 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

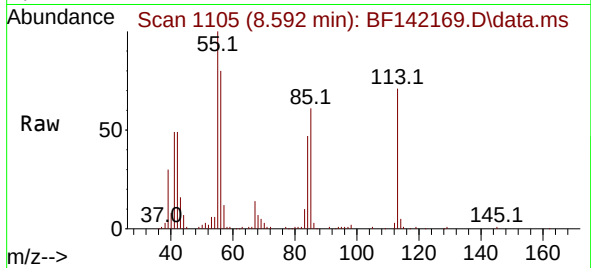
Tgt Ion:	225	Resp:	284137
Ion Ratio	Lower	Upper	
225	100		
223	64.1	50.6	75.8
227	64.0	52.2	78.2





#35
 Caprolactam
 Concen: 41.012 ng m
 RT: 8.592 min Scan# 1105
 Delta R.T. -0.012 min
 Lab File: BF142169.D
 Acq: 28 Mar 2025 19:32

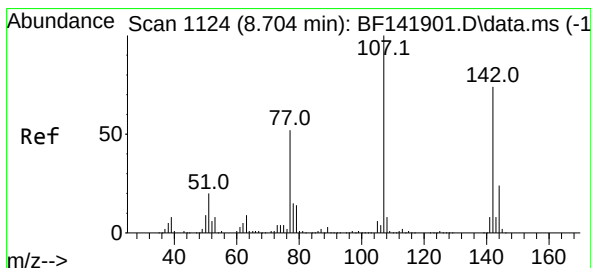
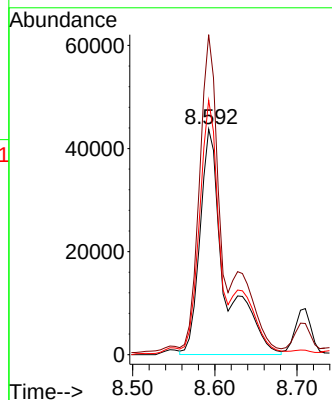
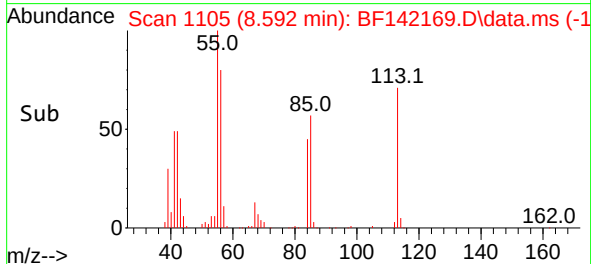
Instrument :
 BNA_F
 ClientSampleId :
 72-11998MSD



Tgt Ion:113 Resp: 9214
 Ion Ratio Lower Upper
 113 100
 55 141.8 129.6 169.6
 56 112.8 104.0 144.0

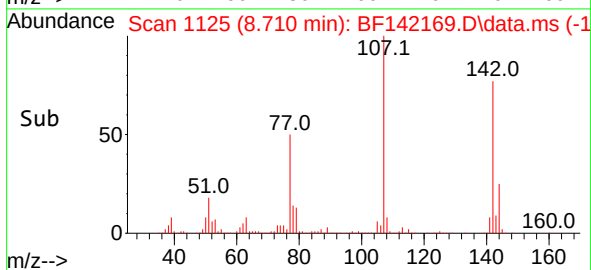
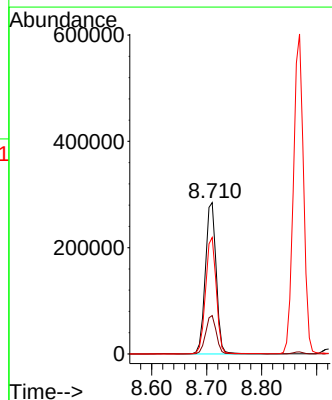
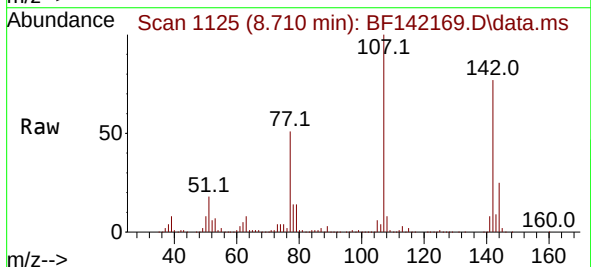
Manual Integrations
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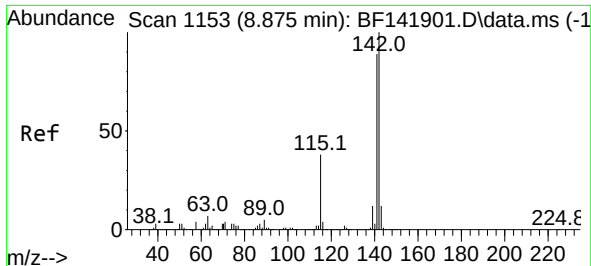
Reviewed By :Anahy Claudio 03/31/2025
 Supervised By :Jagrut Upadhyay 03/31/2025



#36
 4-Chloro-3-methylphenol
 Concen: 47.422 ng
 RT: 8.710 min Scan# 1125
 Delta R.T. 0.006 min
 Lab File: BF142169.D
 Acq: 28 Mar 2025 19:32

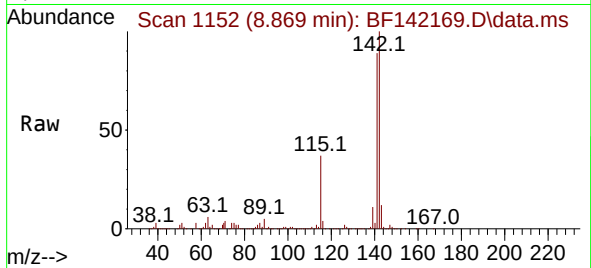
Tgt Ion:107 Resp: 389827
 Ion Ratio Lower Upper
 107 100
 144 25.4 19.0 28.6
 142 77.0 59.2 88.8





#37
2-Methylnaphthalene
Concen: 44.933 ng
RT: 8.869 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

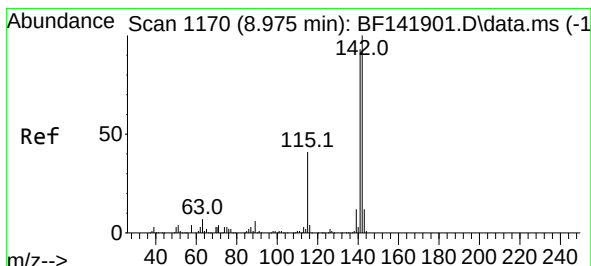
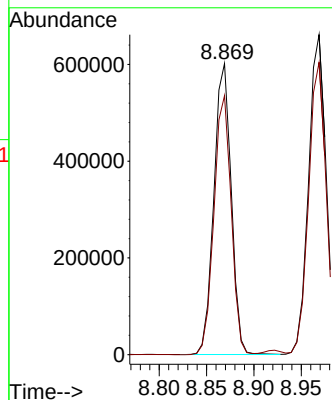
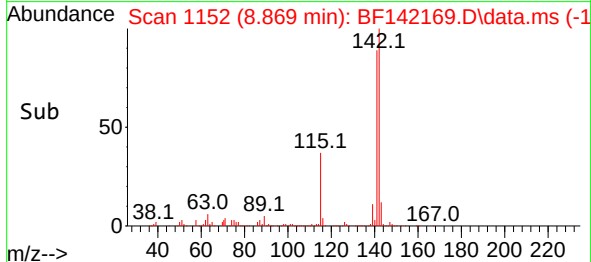
Instrument :
BNA_F
ClientSampleId :
72-11998MSD



Tgt Ion:142 Resp: 767249
Ion Ratio Lower Upper
142 100
141 89.0 71.2 106.8

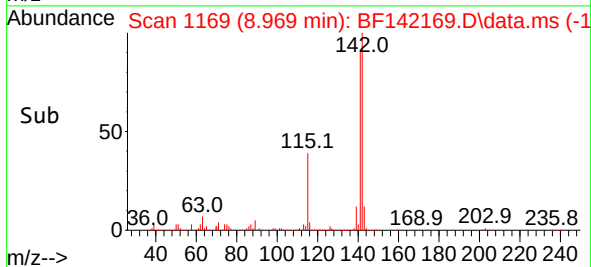
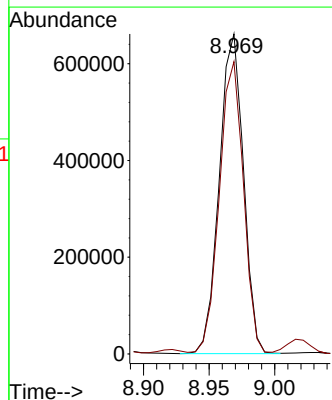
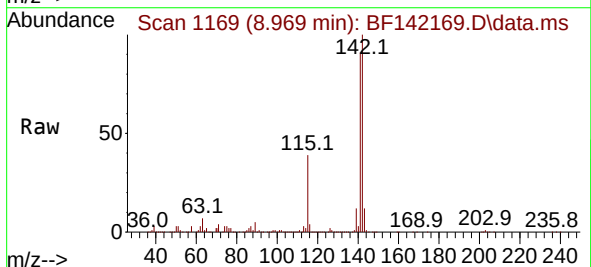
Manual Integrations
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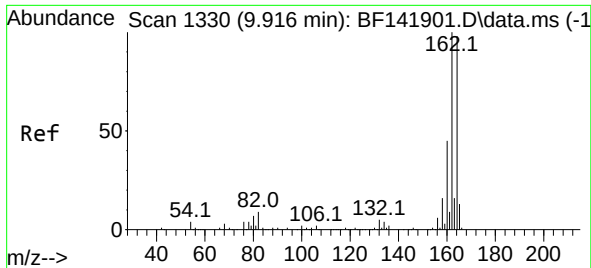
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#38
1-Methylnaphthalene
Concen: 51.298 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

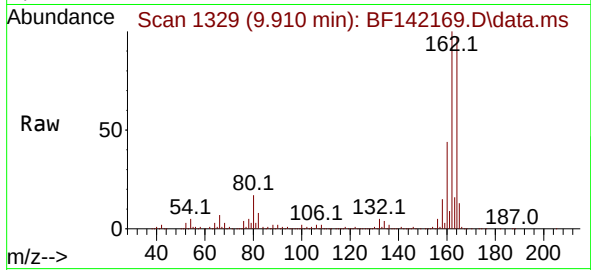
Tgt Ion:142 Resp: 845263
Ion Ratio Lower Upper
142 100
141 91.4 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

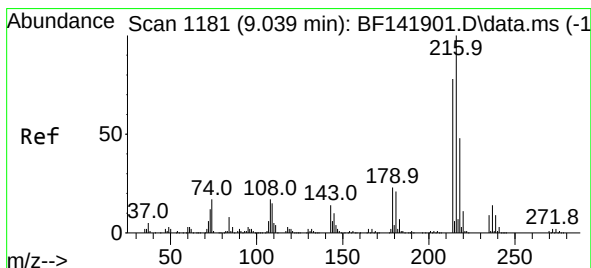
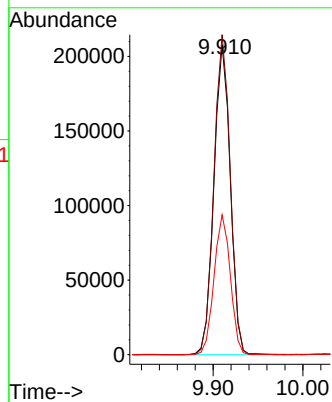
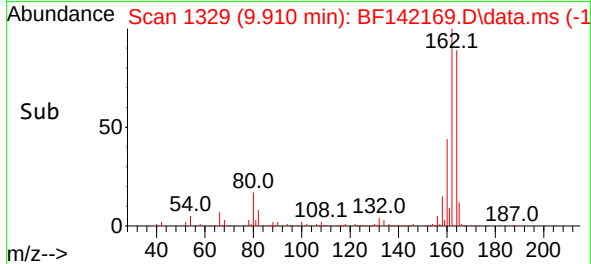
Instrument :
BNA_F
ClientSampleId :
72-11998MSD



Tgt Ion:164 Resp: 26367
Ion Ratio Lower Upper
164 100
162 103.2 81.8 122.6
160 45.1 36.7 55.1

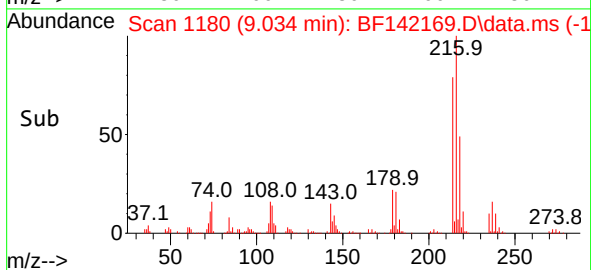
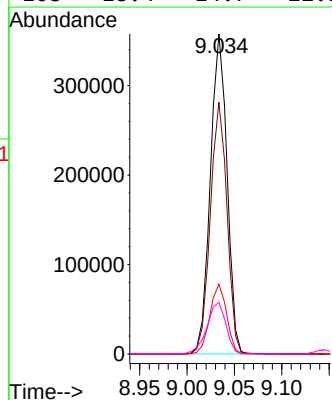
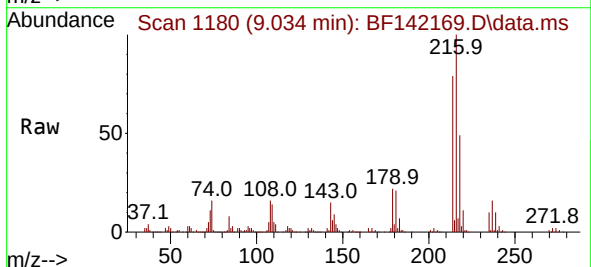
Manual Integrations
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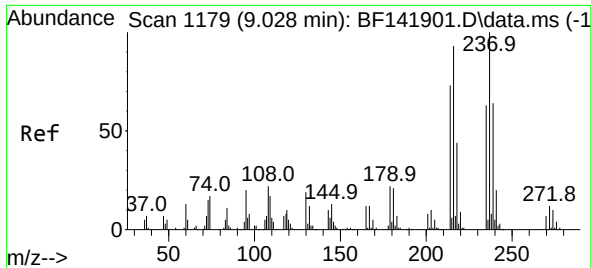
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 54.559 ng
RT: 9.034 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

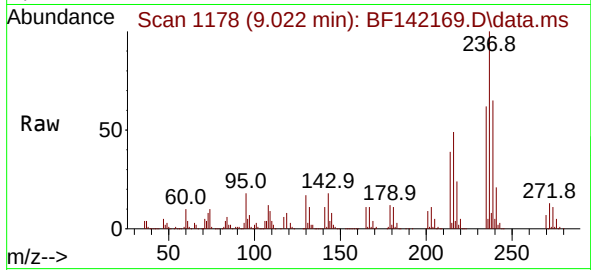
Tgt Ion:216 Resp: 437987
Ion Ratio Lower Upper
216 100
214 78.6 61.9 92.9
179 21.8 18.1 27.1
108 18.4 14.7 22.1





#41
Hexachlorocyclopentadiene
Concen: 109.480 ng
RT: 9.022 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

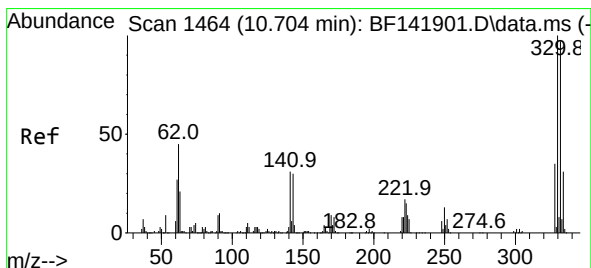
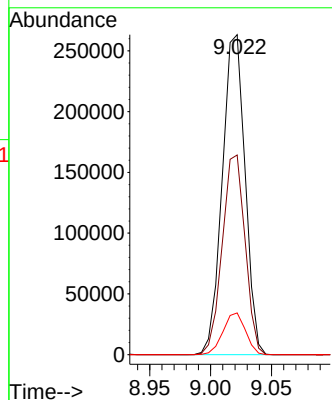
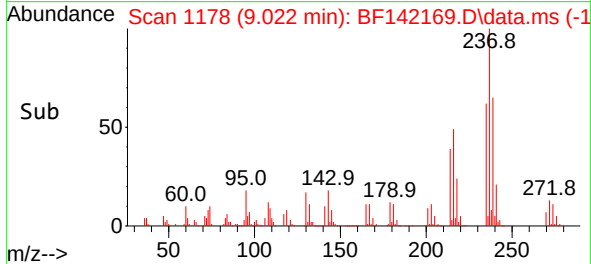
Instrument :
BNA_F
ClientSampleId :
72-11998MSD



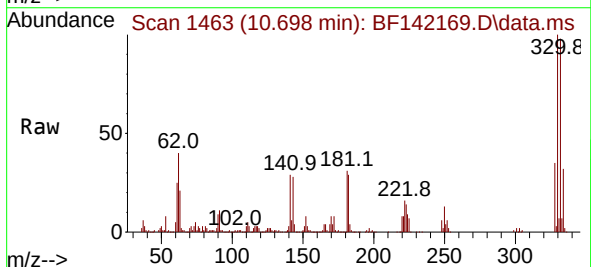
Tgt Ion: 237 Resp: 34395
Ion Ratio Lower Upper
237 100
235 62.4 43.1 83.1
272 13.0 0.0 32.0

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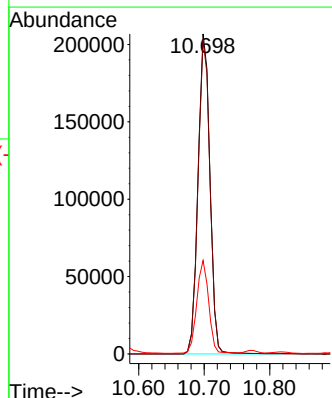
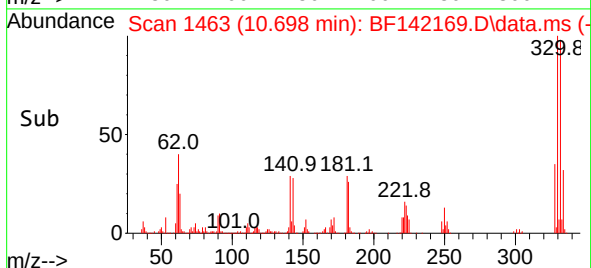
Reviewed By : Anahy Claudio 03/31/2025
Supervised By : Jagrut Upadhyay 03/31/2025

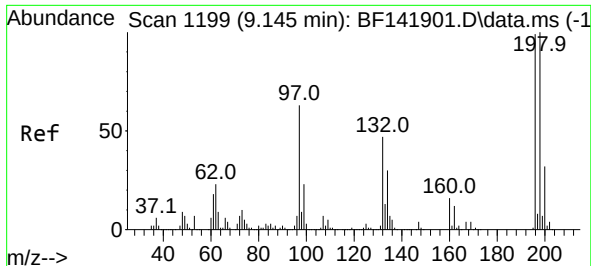


#42
2,4,6-Tribromophenol
Concen: 78.346 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32



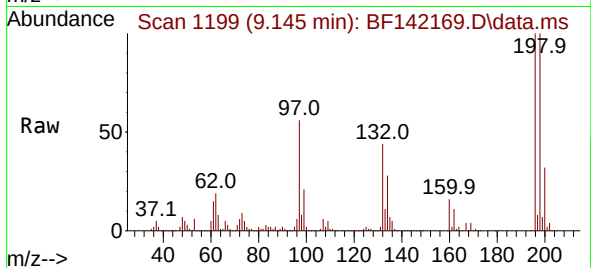
Tgt Ion: 330 Resp: 262069
Ion Ratio Lower Upper
330 100
332 98.5 77.6 116.4
141 28.9 24.7 37.1





#43
2,4,6-Trichlorophenol
Concen: 51.801 ng
RT: 9.145 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

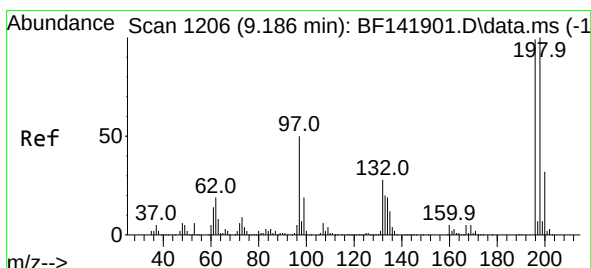
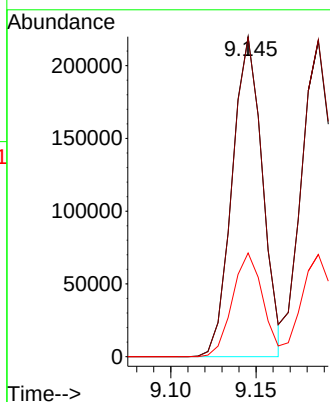
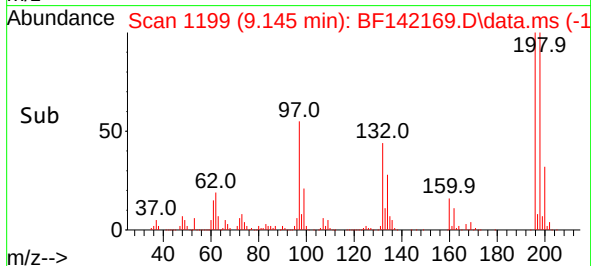
Instrument :
BNA_F
ClientSampleId :
72-11998MSD



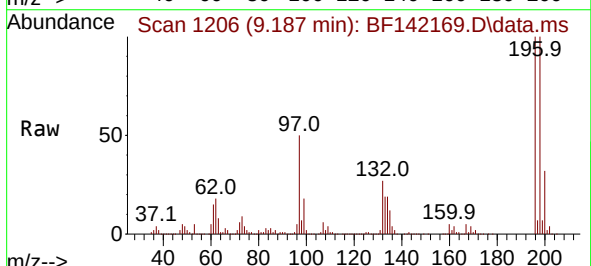
Tgt Ion:196 Resp: 271769
Ion Ratio Lower Upper
196 100
198 99.8 80.6 121.0
200 32.4 25.8 38.6

Manual Integrations
APPROVED

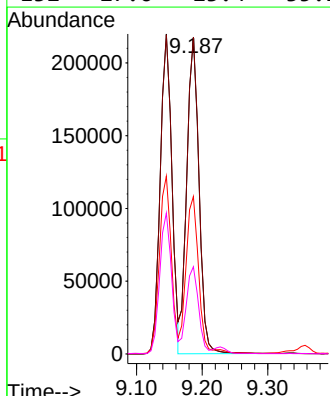
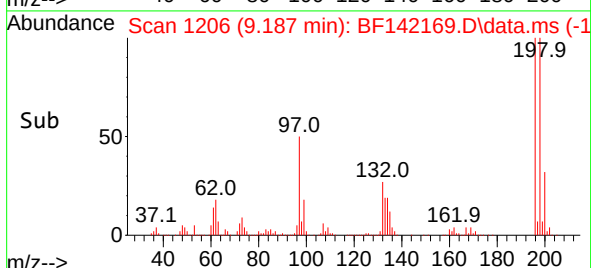
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025

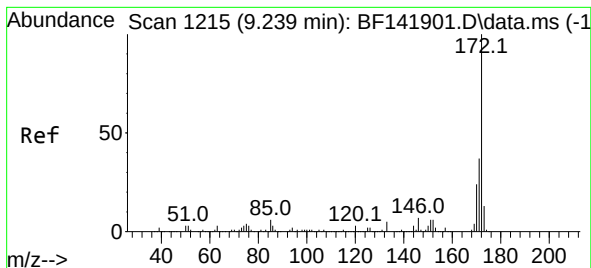


#44
2,4,5-Trichlorophenol
Concen: 52.983 ng
RT: 9.187 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32



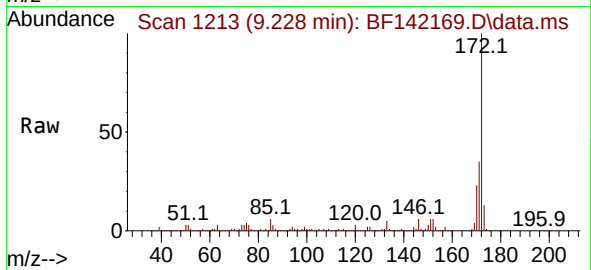
Tgt Ion:196 Resp: 281532
Ion Ratio Lower Upper
196 100
198 100.5 80.7 121.1
97 49.9 42.1 63.1
132 27.6 23.4 35.2





#45
2-Fluorobiphenyl
Concen: 63.577 ng
RT: 9.228 min Scan# 110226
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

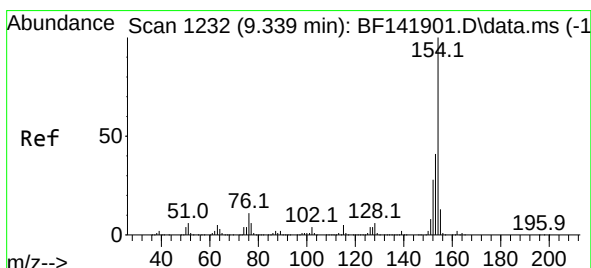
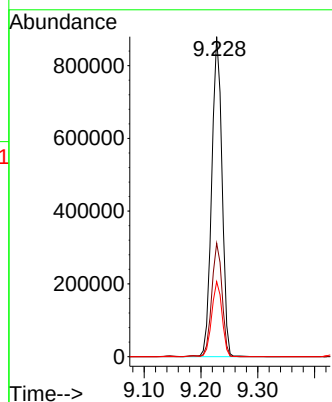
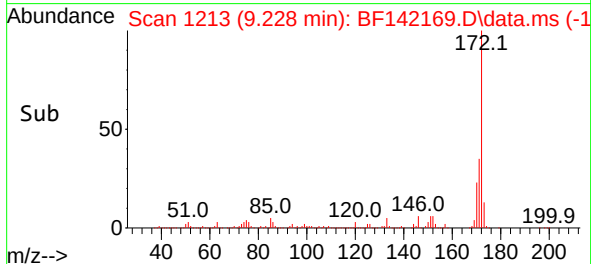
Instrument :
BNA_F
ClientSampleId :
72-11998MSD



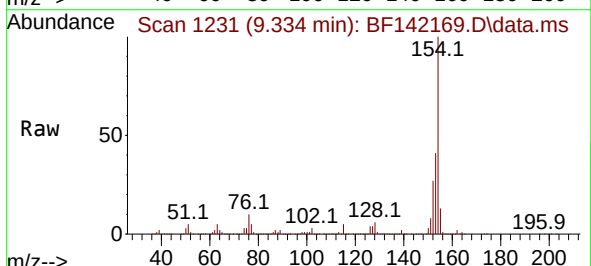
Tgt Ion:172 Resp: 110226
Ion Ratio Lower Upper
172 100
171 35.5 29.3 43.9
170 23.5 19.4 29.0

Manual Integrations
APPROVED

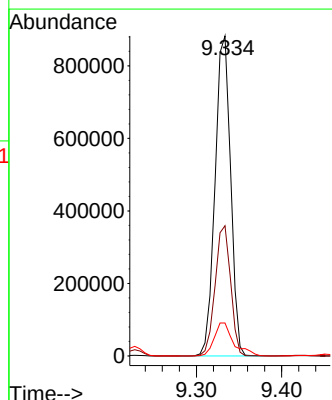
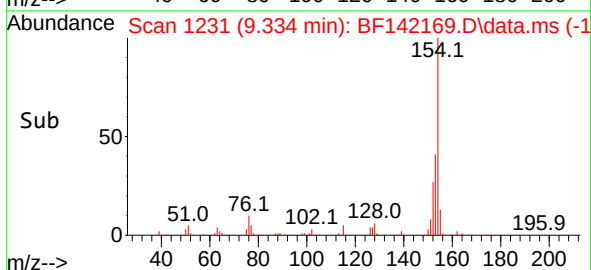
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025

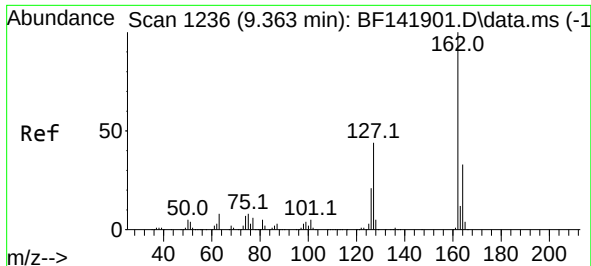


#46
1,1'-Biphenyl
Concen: 55.838 ng
RT: 9.334 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32



Tgt Ion:154 Resp: 1118673
Ion Ratio Lower Upper
154 100
153 40.7 21.1 61.1
76 10.3 0.0 31.3





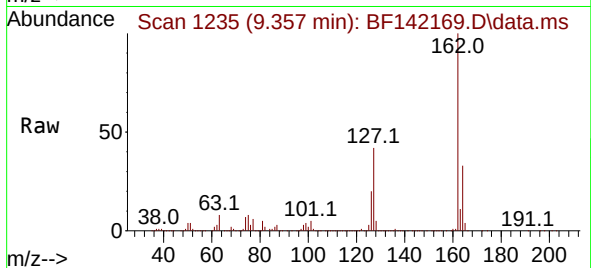
#47
2-Chloronaphthalene
Concen: 52.263 ng
RT: 9.357 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

72-11998MSD

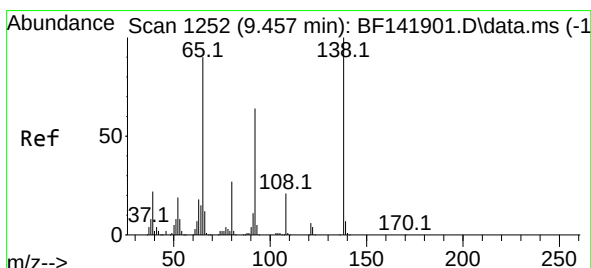
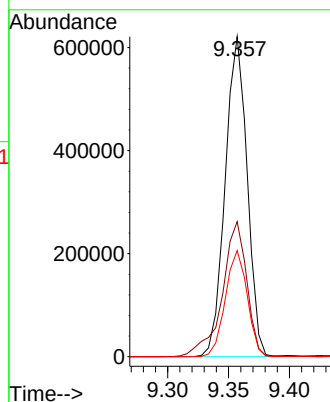
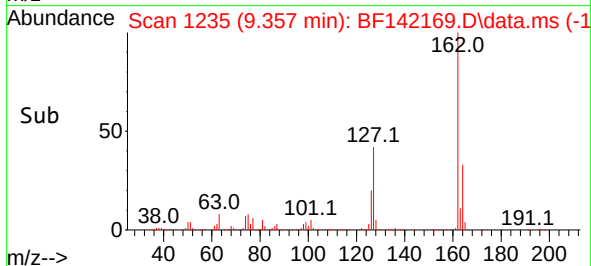


Tgt Ion:162 Resp: 78041
Ion Ratio Lower Upper
162 100
127 42.2 35.5 53.3
164 33.2 26.6 40.0

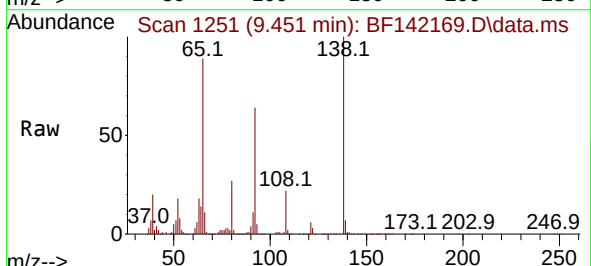
Manual Integrations

APPROVED

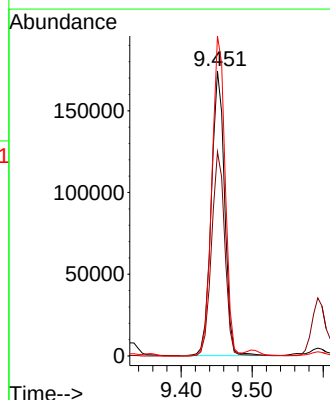
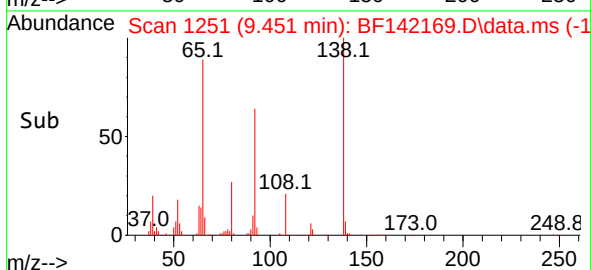
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025

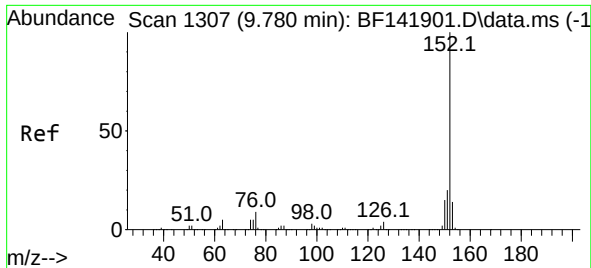


#48
2-Nitroaniline
Concen: 52.524 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32



Tgt Ion: 65 Resp: 227089
Ion Ratio Lower Upper
65 100
92 71.6 56.6 84.8
138 112.3 88.6 133.0





#49

Acenaphthylene

Concen: 54.691 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

72-11998MSD

Tgt Ion:152 Resp: 1211914

Ion Ratio Lower Upper

152 100

151 20.2 16.3 24.5

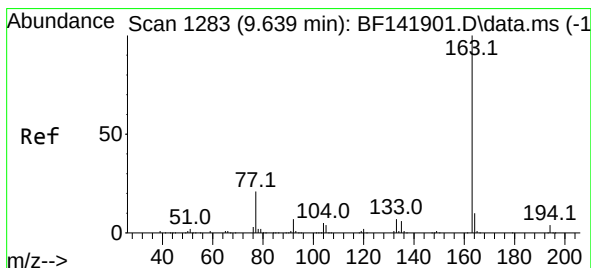
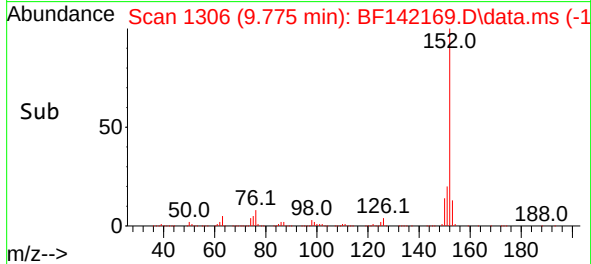
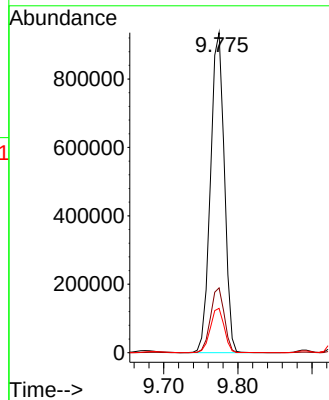
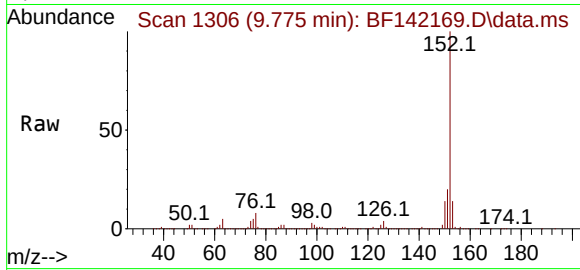
153 13.9 11.1 16.7

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025

Supervised By :Jagrut Upadhyay 03/31/2025



#50

Dimethylphthalate

Concen: 52.701 ng

RT: 9.634 min Scan# 1282

Delta R.T. -0.006 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

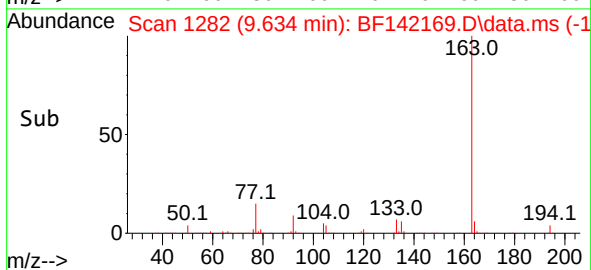
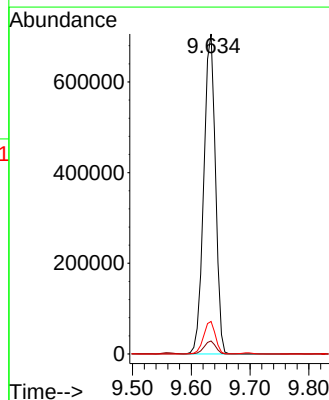
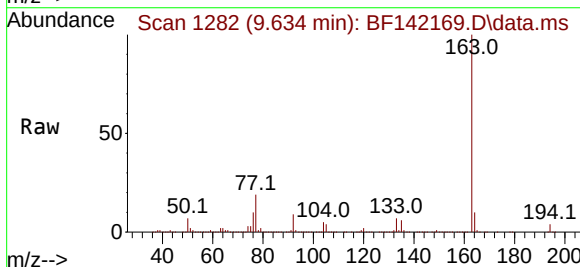
Tgt Ion:163 Resp: 973078

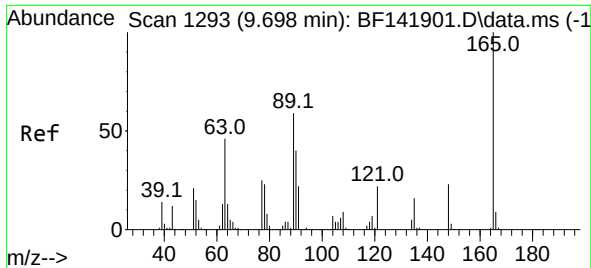
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.2 8.2 12.4





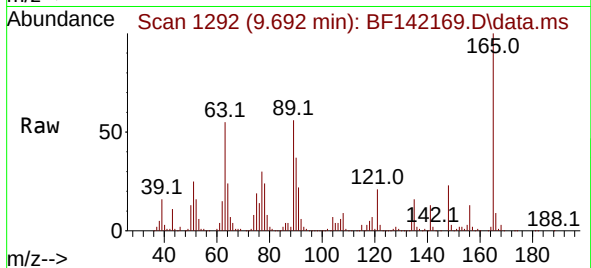
#51
2,6-Dinitrotoluene
Concen: 52.759 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

72-11998MSD

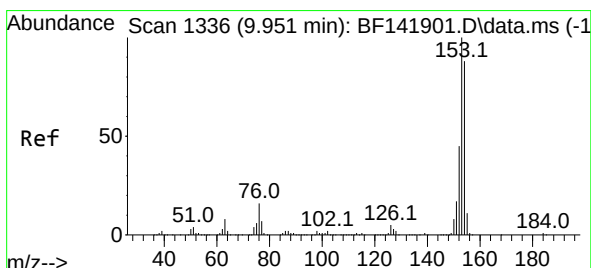
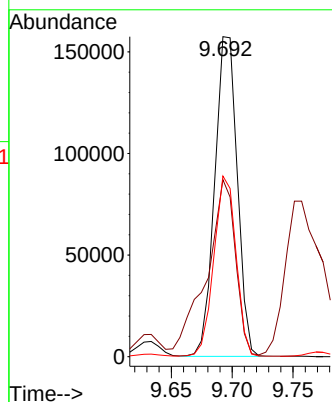
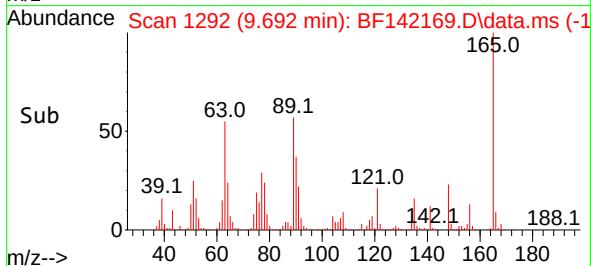


Tgt Ion:165 Resp: 20282
Ion Ratio Lower Upper
165 100
63 55.3 47.0 70.4
89 56.4 47.4 71.2

Manual Integrations

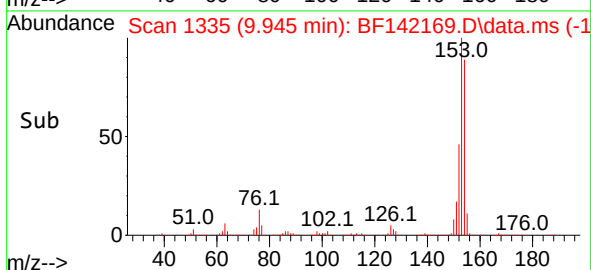
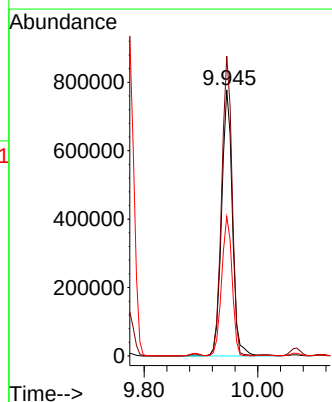
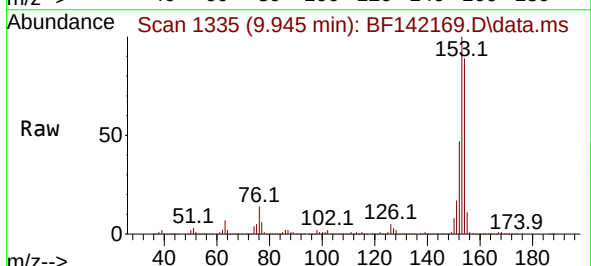
APPROVED

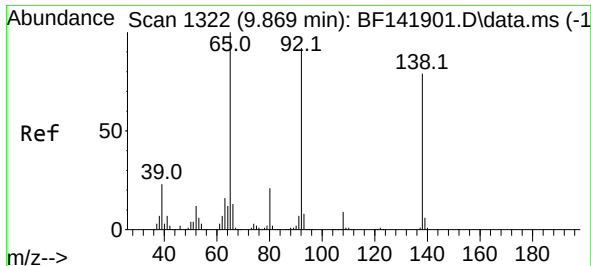
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#52
Acenaphthene
Concen: 66.161 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Tgt Ion:154 Resp: 1030289
Ion Ratio Lower Upper
154 100
153 112.7 90.7 136.1
152 52.4 41.1 61.7





#53
3-Nitroaniline
Concen: 22.462 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

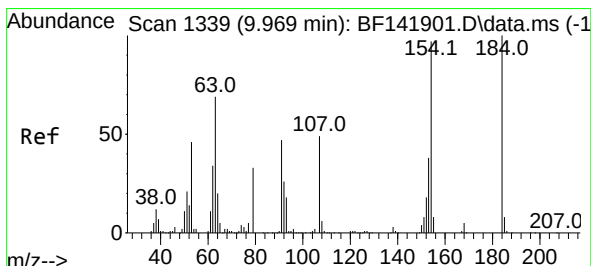
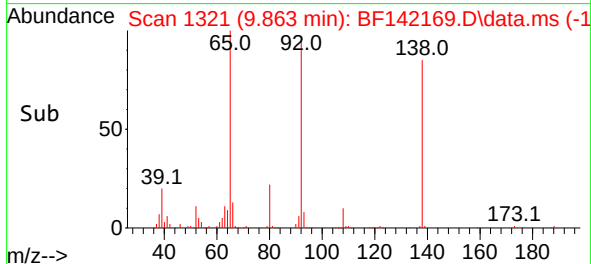
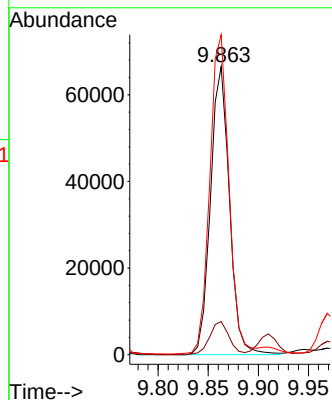
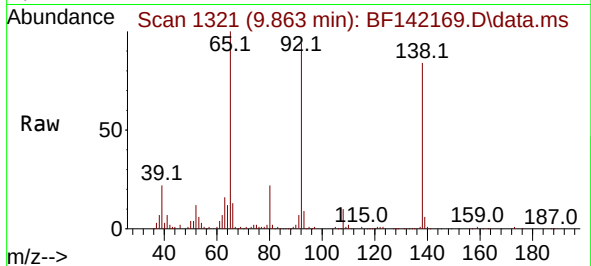
72-11998MSD

Tgt Ion:138 Resp: 87594
Ion Ratio Lower Upper
138 100
108 11.5 9.3 13.9
92 111.0 93.5 140.3

Manual Integrations

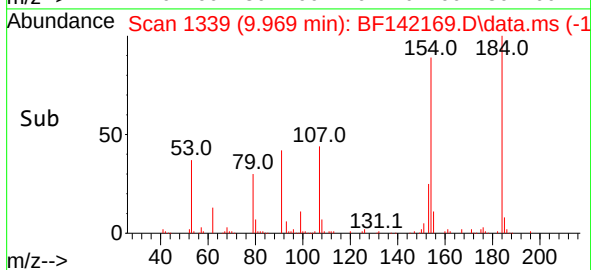
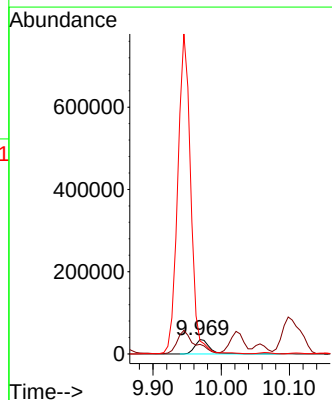
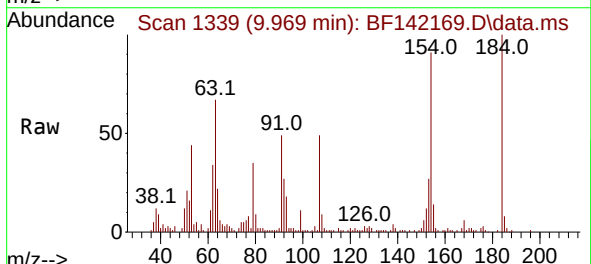
APPROVED

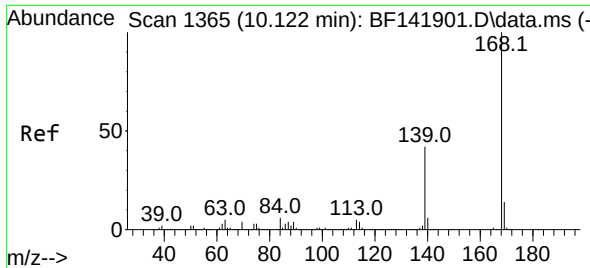
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#54
2,4-Dinitrophenol
Concen: 28.458 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

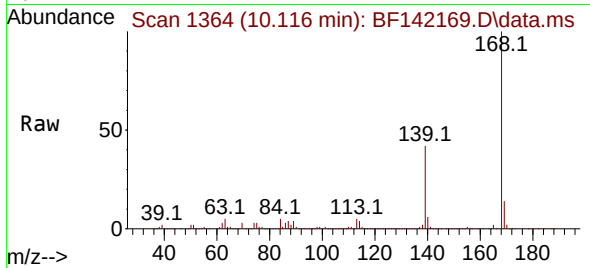
Tgt Ion:184 Resp: 52082
Ion Ratio Lower Upper
184 100
63 66.9 60.2 90.4
154 90.9 132.9 199.3#





#55
Dibenzenofuran
Concen: 60.653 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

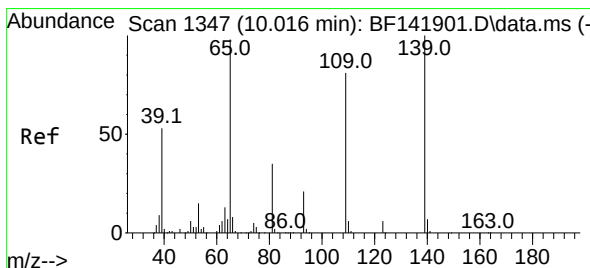
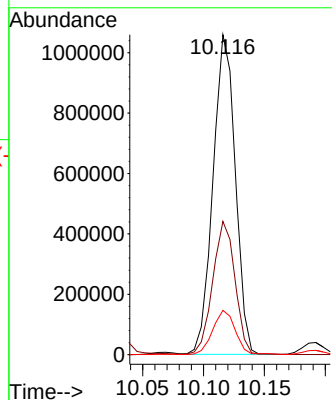
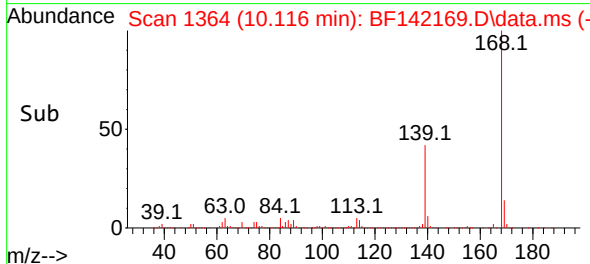
Instrument :
BNA_F
ClientSampleId :
72-11998MSD



Tgt Ion:168 Resp: 1349609
Ion Ratio Lower Upper
168 100
139 41.7 33.9 50.9
169 13.9 11.0 16.4

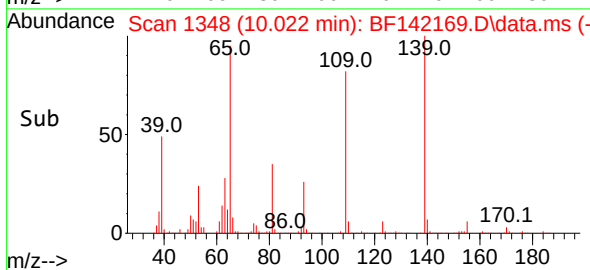
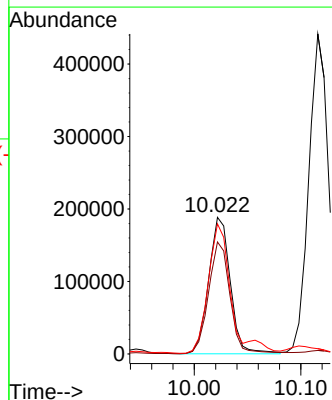
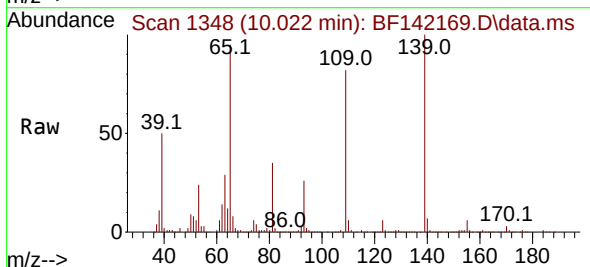
Manual Integrations
APPROVED

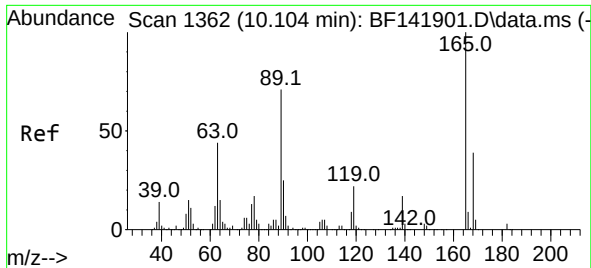
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#56
4-Nitrophenol
Concen: 90.497 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Tgt Ion:139 Resp: 266137
Ion Ratio Lower Upper
139 100
109 81.9 61.6 101.6
65 95.1 79.4 119.4





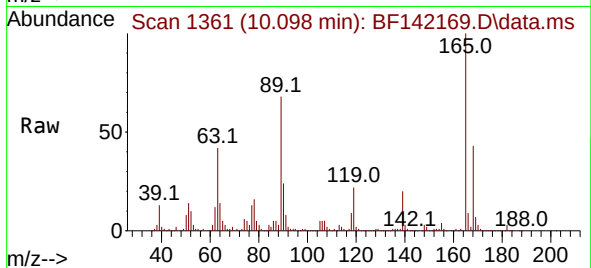
#57
2,4-Dinitrotoluene
Concen: 54.551 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

72-11998MSD

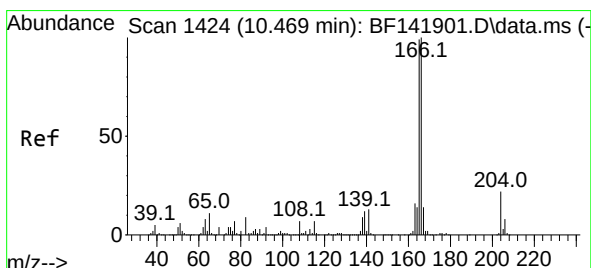
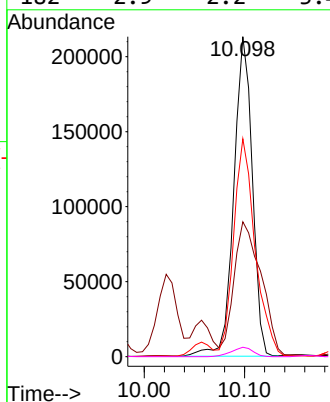
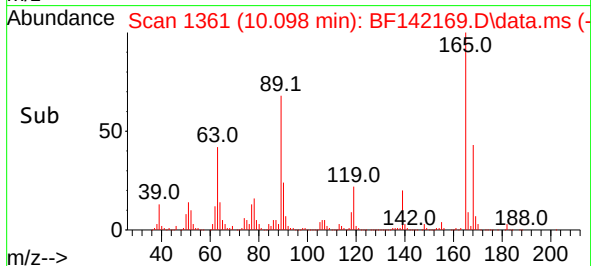


Tgt Ion:165 Resp: 273910
Ion Ratio Lower Upper
165 100
63 42.2 35.4 53.2
89 68.1 56.6 84.8
182 2.9 2.2 3.4

Manual Integrations

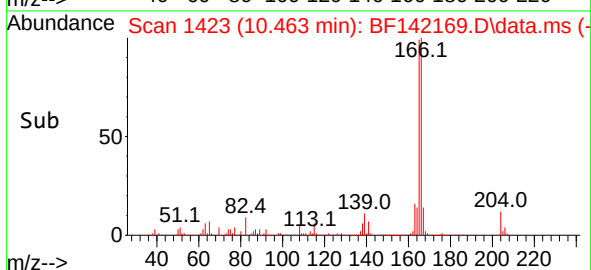
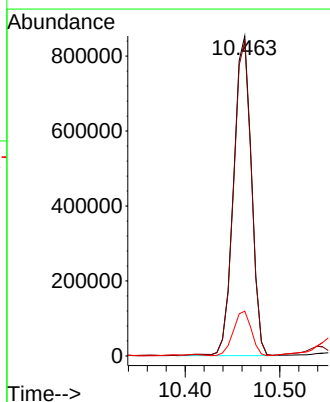
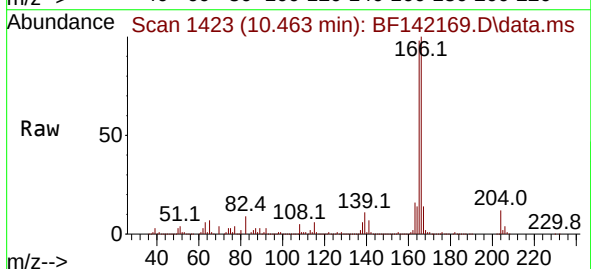
APPROVED

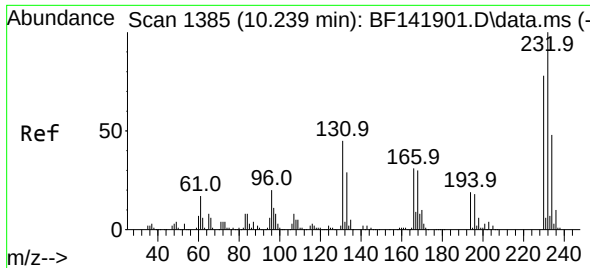
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#58
Fluorene
Concen: 64.809 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

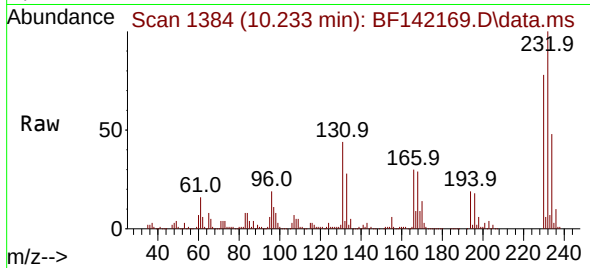
Tgt Ion:166 Resp: 1112080
Ion Ratio Lower Upper
166 100
165 98.4 79.0 118.4
167 14.0 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.934 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

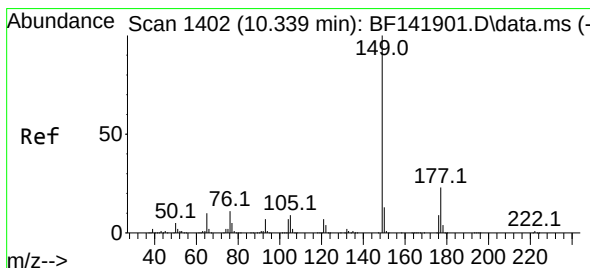
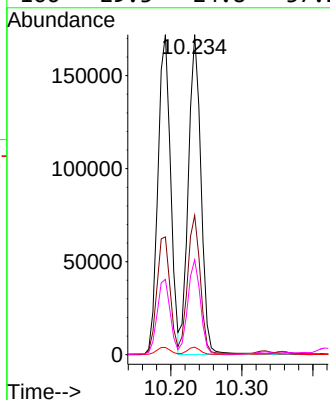
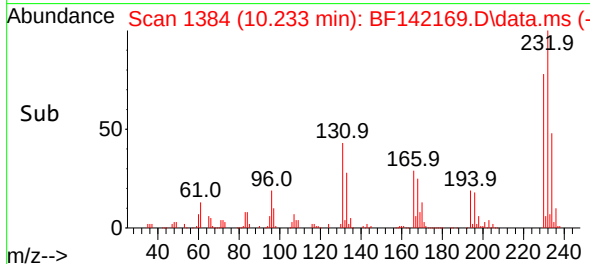
Instrument :
BNA_F
ClientSampleId :
72-11998MSD



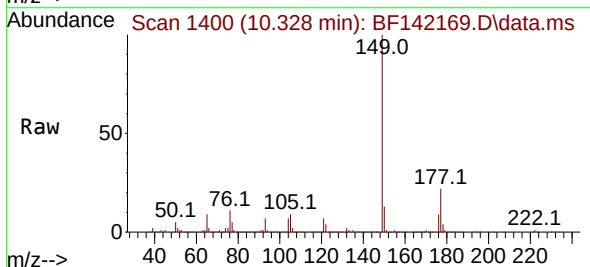
Tgt Ion:232 Resp: 21243
Ion Ratio Lower Upper
232 100
131 42.9 37.3 55.9
130 2.5 1.9 2.9
166 29.3 24.8 37.2

Manual Integrations
APPROVED

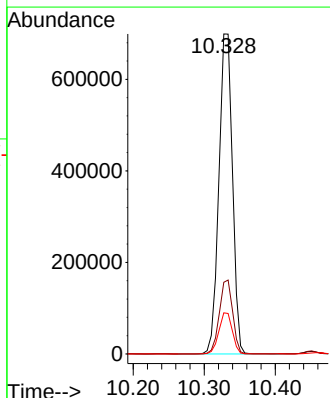
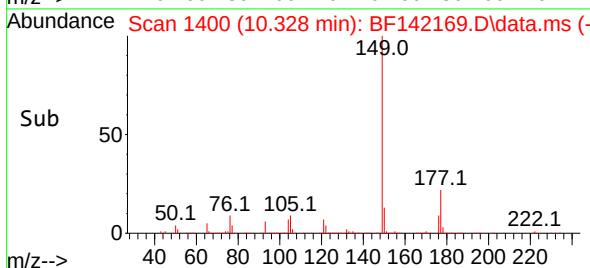
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025

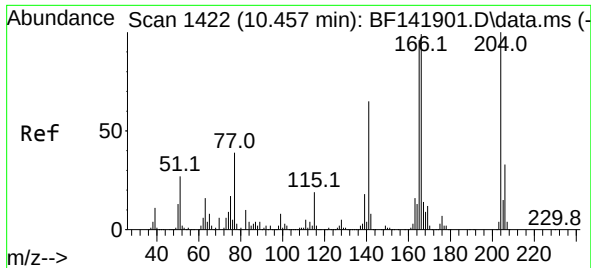


#60
Diethylphthalate
Concen: 50.024 ng
RT: 10.328 min Scan# 1400
Delta R.T. -0.012 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32



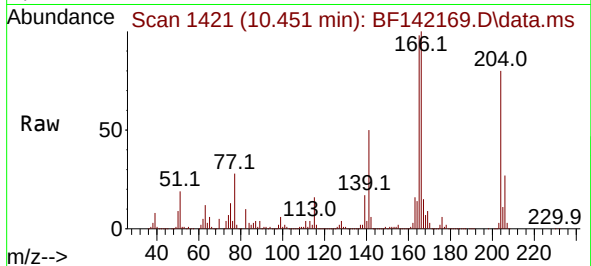
Tgt Ion:149 Resp: 920994
Ion Ratio Lower Upper
149 100
177 22.4 18.0 27.0
150 12.9 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 49.471 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

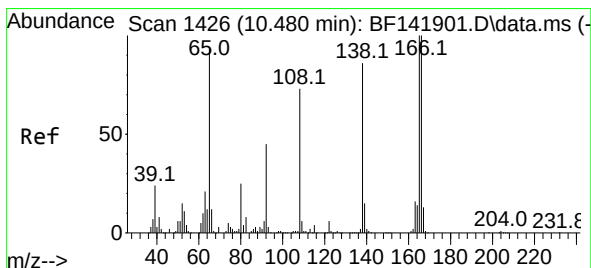
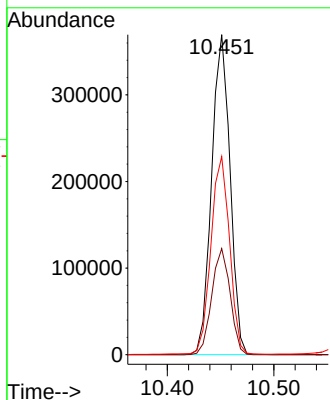
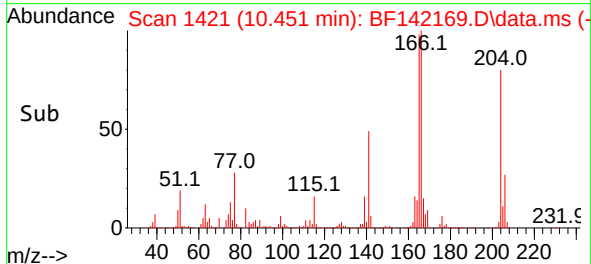
Instrument :
BNA_F
ClientSampleId :
72-11998MSD



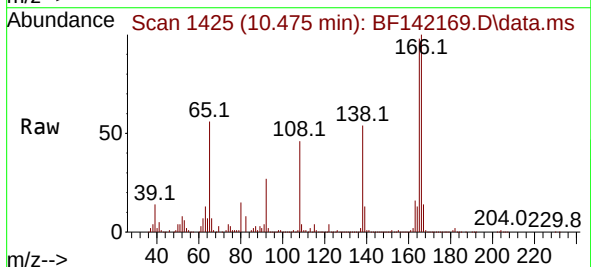
Tgt Ion:204 Resp: 442570
Ion Ratio Lower Upper
204 100
206 33.2 26.8 40.2
141 61.9 52.4 78.6

Manual Integrations
APPROVED

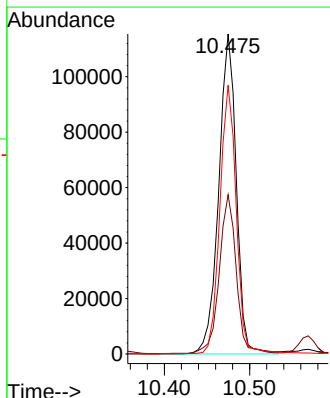
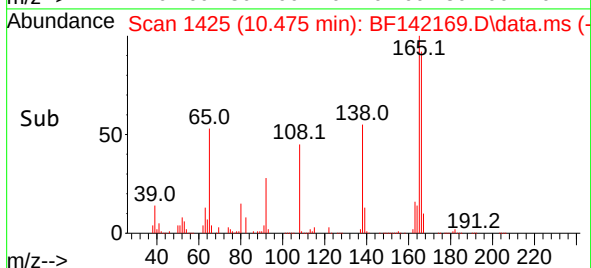
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025

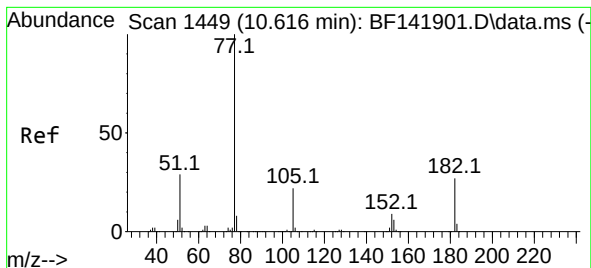


#62
4-Nitroaniline
Concen: 43.648 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32



Tgt Ion:138 Resp: 165711
Ion Ratio Lower Upper
138 100
92 49.8 32.6 72.6
108 84.0 65.0 105.0





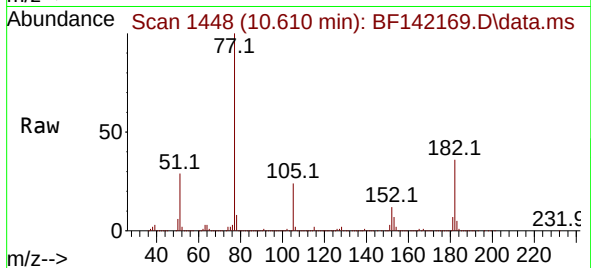
#63
Azobenzene
Concen: 46.726 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

72-11998MSD

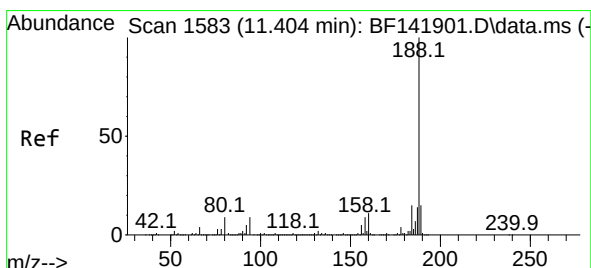
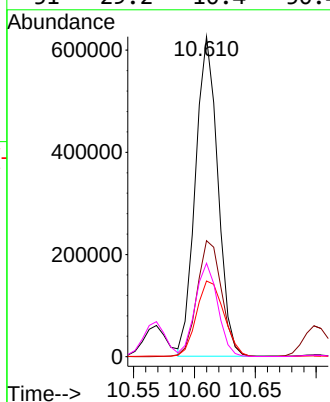
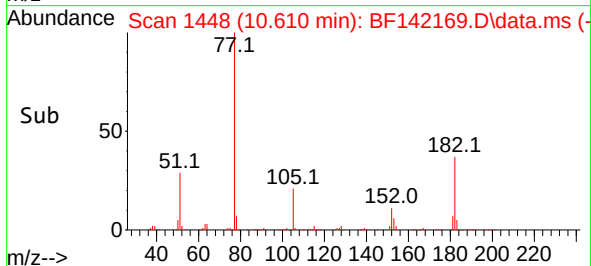


Tgt Ion: 77 Resp: 79980
Ion Ratio Lower Upper
77 100
182 36.2 6.6 46.6
105 23.7 1.3 41.3
51 29.2 10.4 50.4

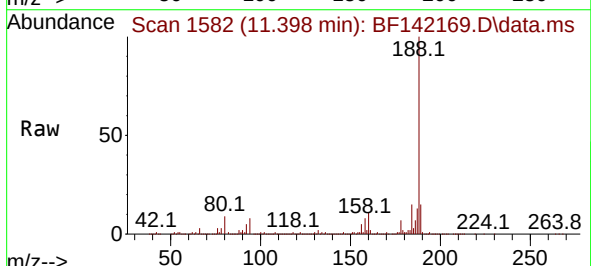
Manual Integrations

APPROVED

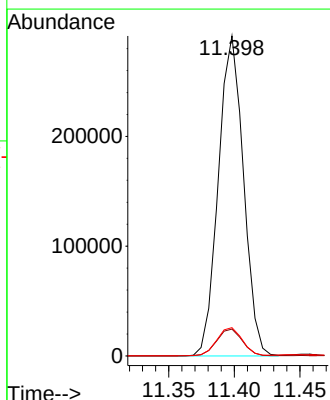
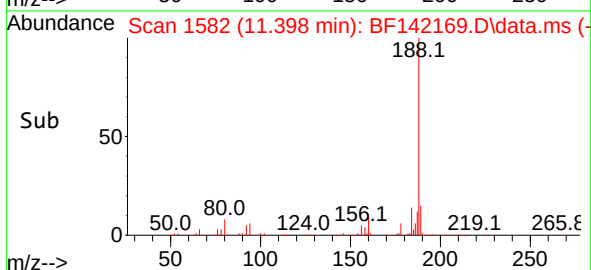
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025

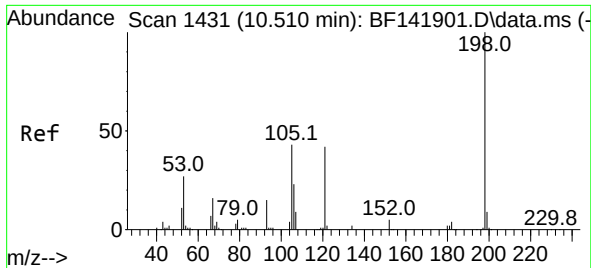


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32



Tgt Ion:188 Resp: 388485
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 8.9 7.6 11.4





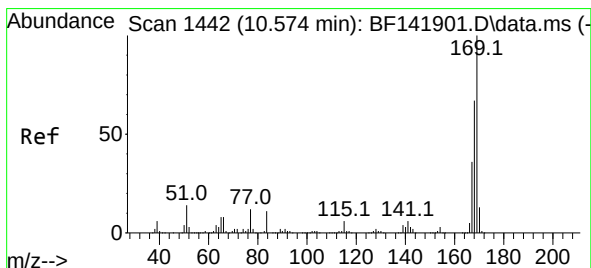
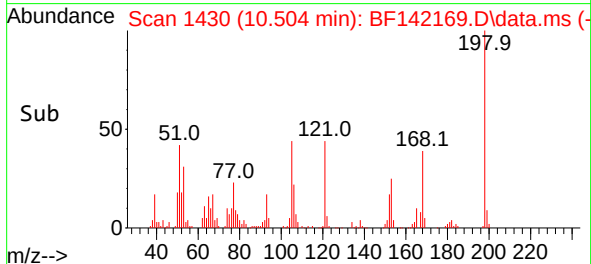
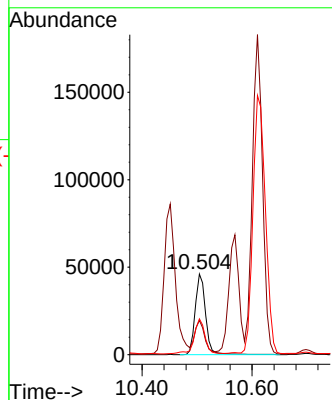
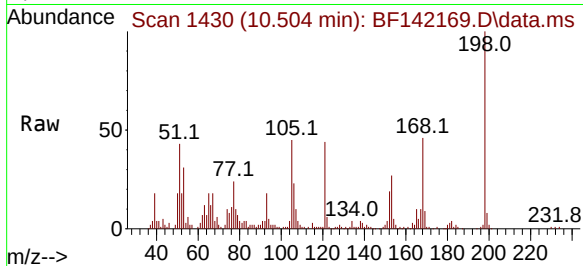
#65
4,6-Dinitro-2-methylphenol
Concen: 26.210 ng
RT: 10.504 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Instrument :
BNA_F
ClientSampleId :
72-11998MSD

Tgt Ion:198 Resp: 6070
Ion Ratio Lower Upper
198 100
51 42.5 22.3 62.3
105 44.5 23.0 63.0

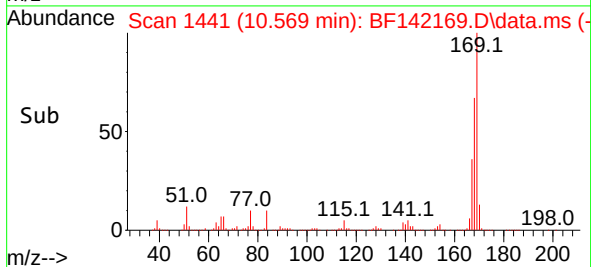
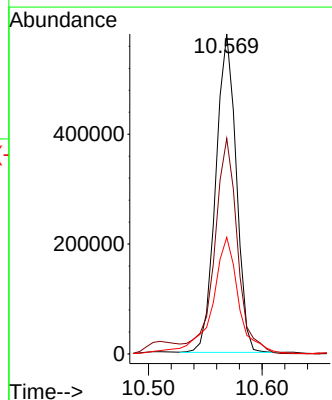
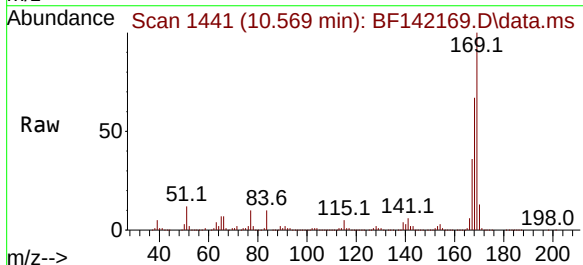
Manual Integrations
APPROVED

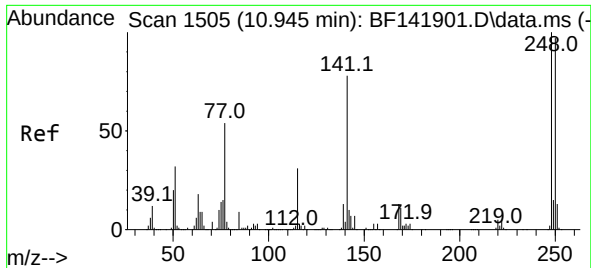
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#66
n-Nitrosodiphenylamine
Concen: 57.811 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Tgt Ion:169 Resp: 726773
Ion Ratio Lower Upper
169 100
168 67.3 53.7 80.5
167 36.4 29.2 43.8





#67
4-Bromophenyl-phenylether
Concen: 57.089 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

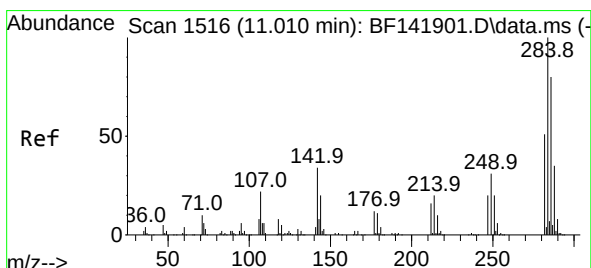
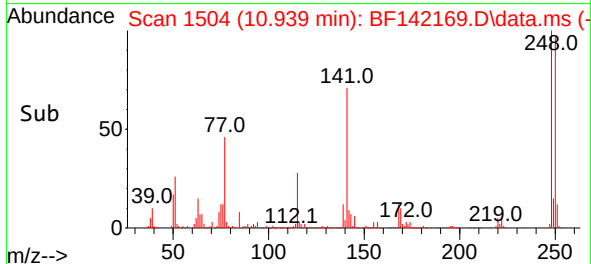
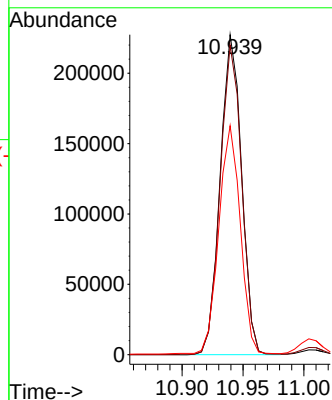
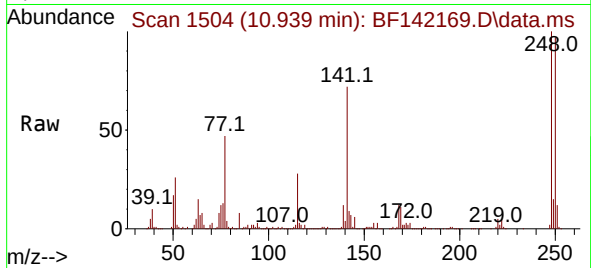
72-11998MSD

Tgt Ion:248 Resp: 27853
Ion Ratio Lower Upper
248 100
250 96.7 77.8 116.8
141 71.6 62.6 93.8

Manual Integrations

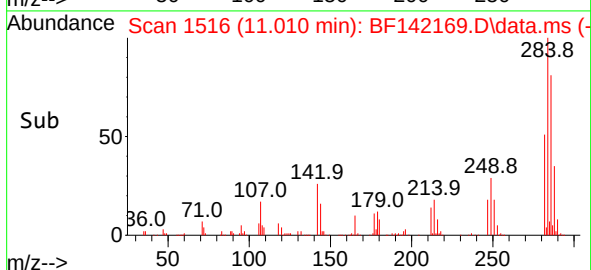
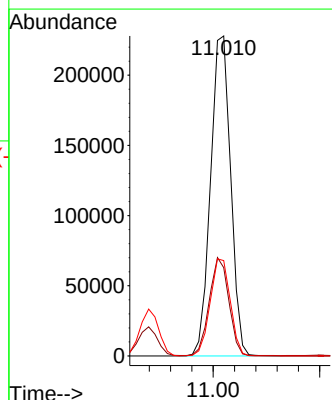
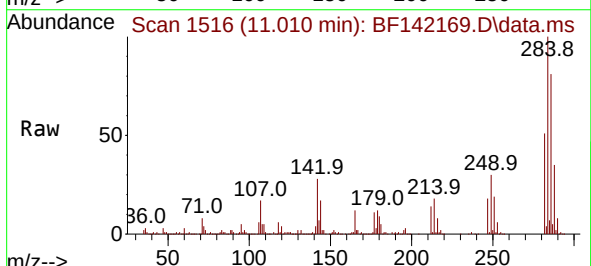
APPROVED

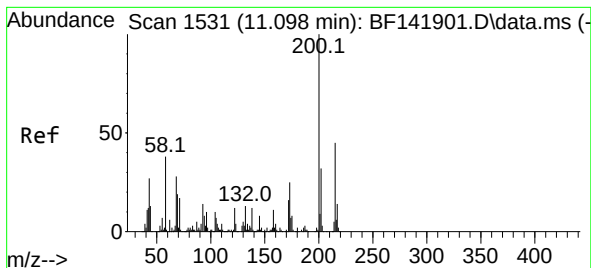
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#68
Hexachlorobenzene
Concen: 55.710 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Tgt Ion:284 Resp: 298108
Ion Ratio Lower Upper
284 100
142 27.6 27.0 40.6
249 29.8 25.2 37.8





#69

Atrazine

Concen: 65.557 ng

RT: 11.098 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF142169.D

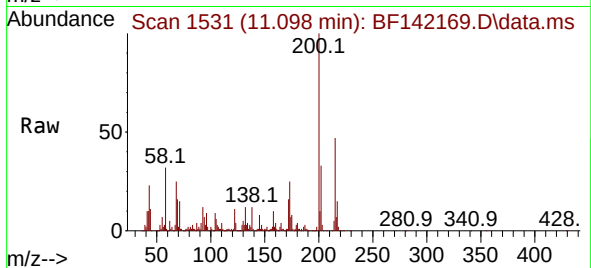
Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

72-11998MSD

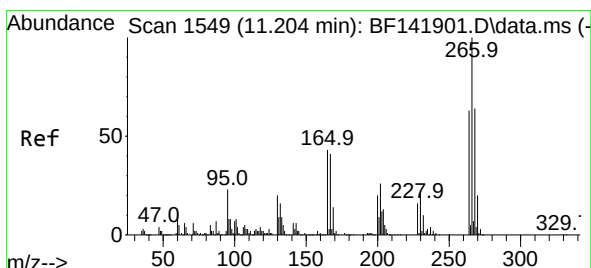
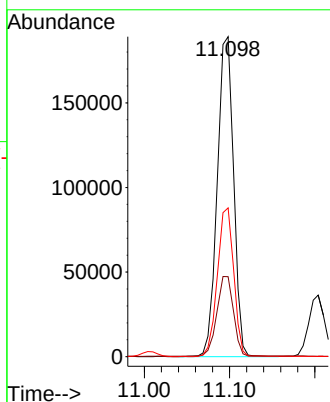
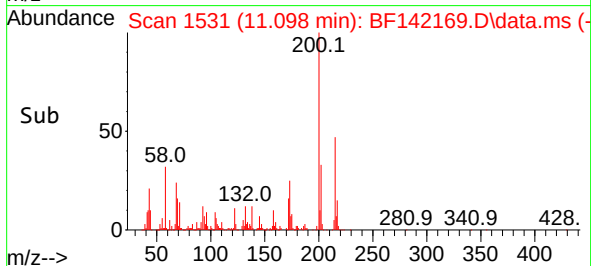


Tgt Ion:	200	Resp:	25265
Ion Ratio	Lower	Upper	
200	100		
173	25.0	4.7	44.7
215	46.5	25.4	65.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#70

Pentachlorophenol

Concen: 79.970 ng

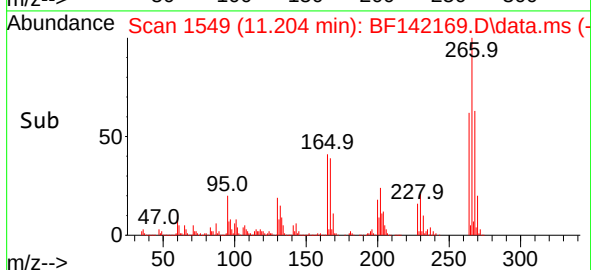
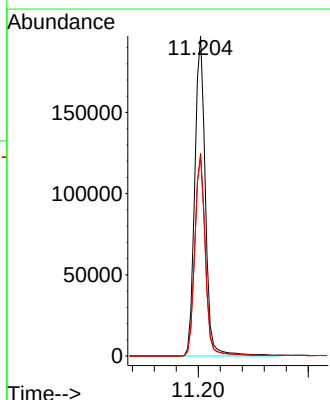
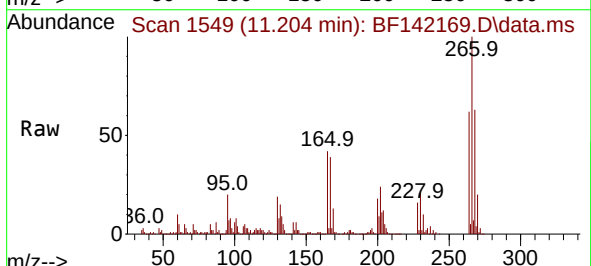
RT: 11.204 min Scan# 1549

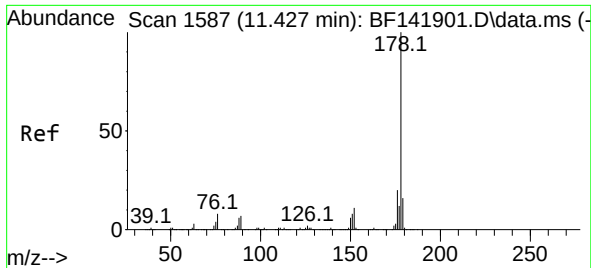
Delta R.T. 0.000 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

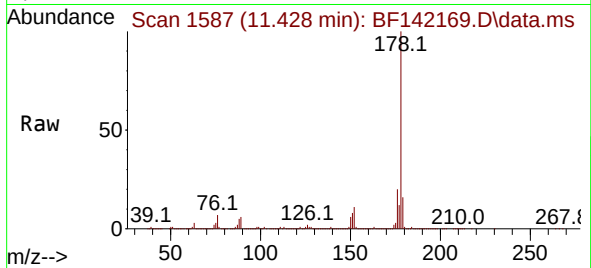
Tgt Ion:	266	Resp:	263656
Ion Ratio	Lower	Upper	
266	100		
268	63.2	51.0	76.6
264	62.3	50.2	75.2





#71
Phenanthrene
Concen: 110.019 ng
RT: 11.428 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

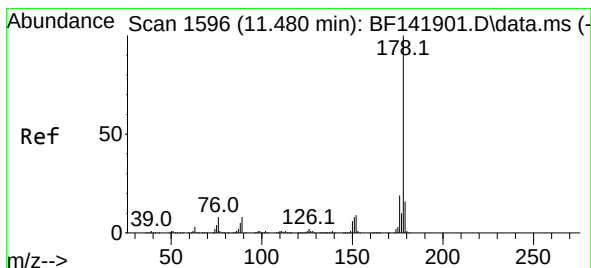
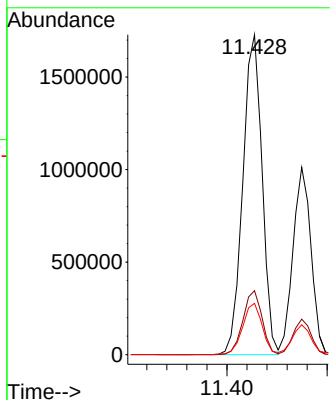
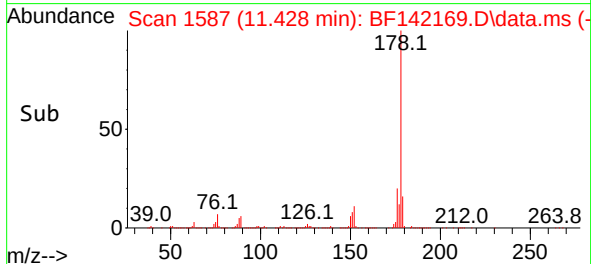
Instrument :
BNA_F
ClientSampleId :
72-11998MSD



Tgt Ion:178 Resp: 2308560
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 16.0 12.6 19.0

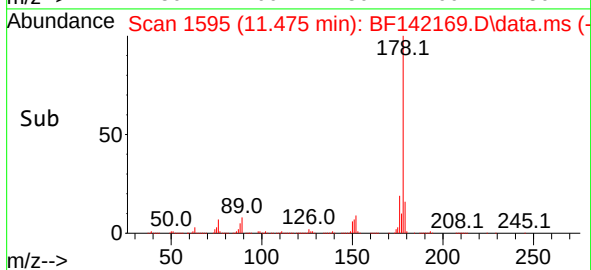
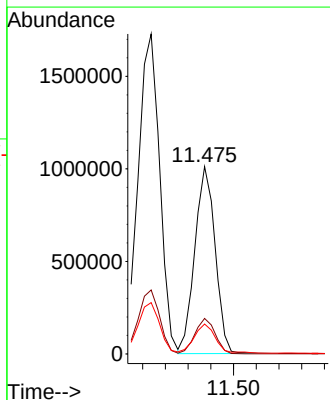
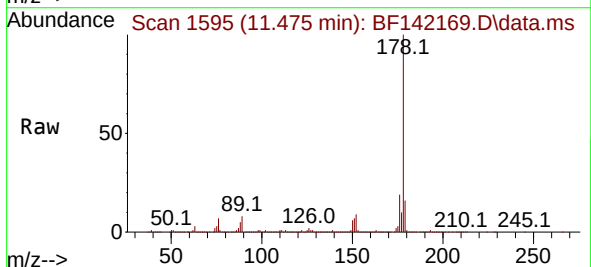
Manual Integrations
APPROVED

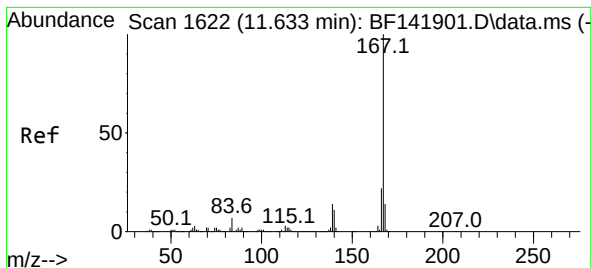
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#72
Anthracene
Concen: 59.879 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Tgt Ion:178 Resp: 1260560
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.9 12.6 19.0





#73

Carbazole

Concen: 52.107 ng

RT: 11.628 min Scan# 1621

Delta R.T. -0.006 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

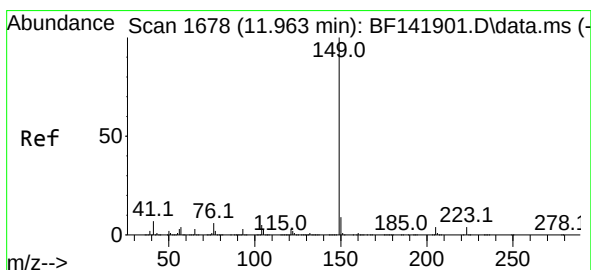
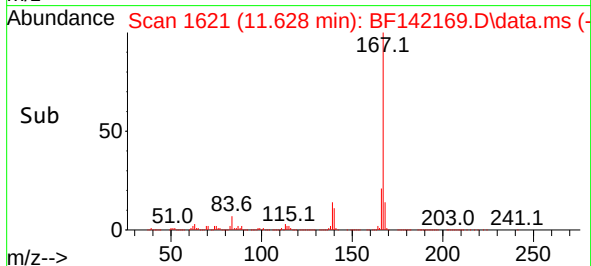
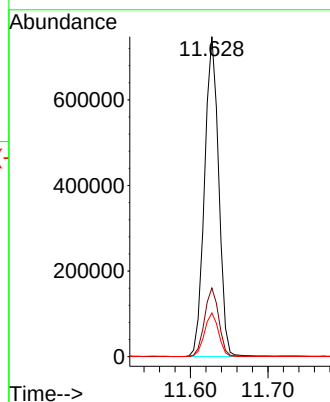
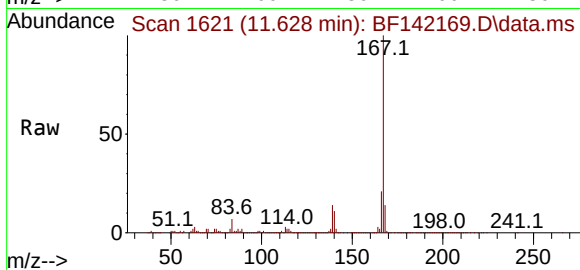
72-11998MSD

Tgt Ion:167	Resp: 94602
Ion Ratio	Lower Upper
167 100	
166 21.5	17.4 26.2
139 13.6	11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#74

Di-n-butylphthalate

Concen: 51.783 ng

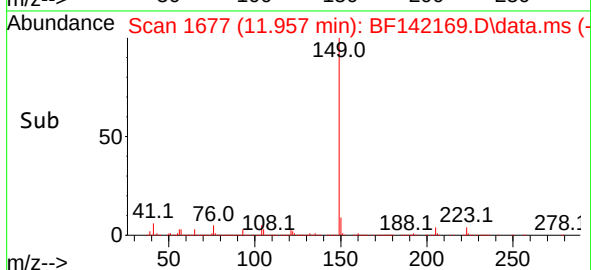
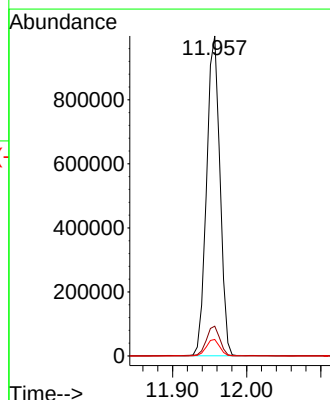
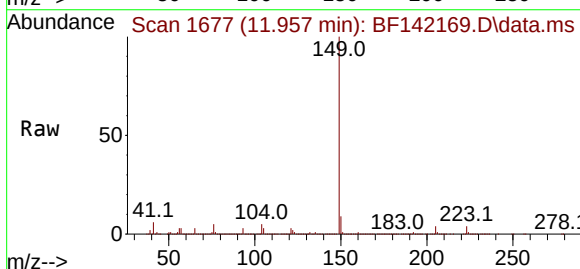
RT: 11.957 min Scan# 1677

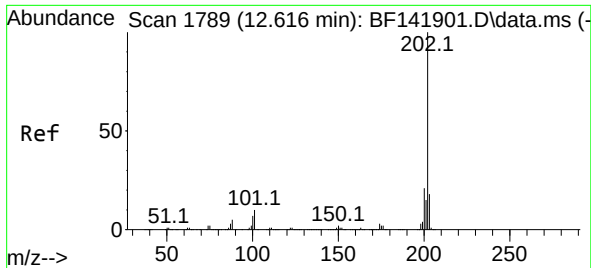
Delta R.T. -0.006 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

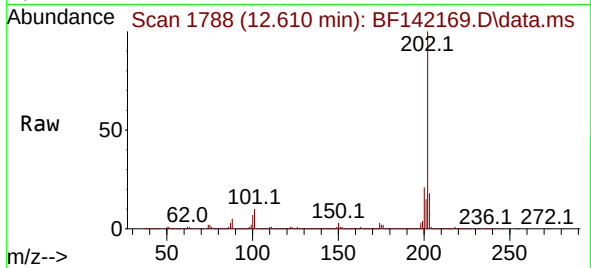
Tgt Ion:149	Resp: 1247452
Ion Ratio	Lower Upper
149 100	
150 9.3	7.6 11.4
104 5.1	4.4 6.6





#75
Fluoranthene
Concen: 77.166 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

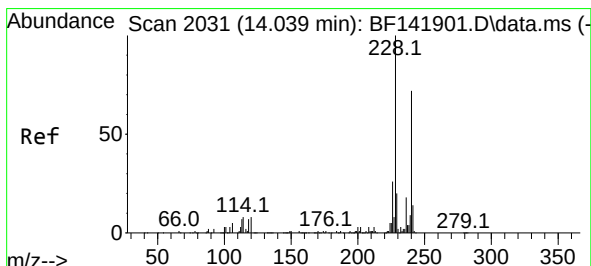
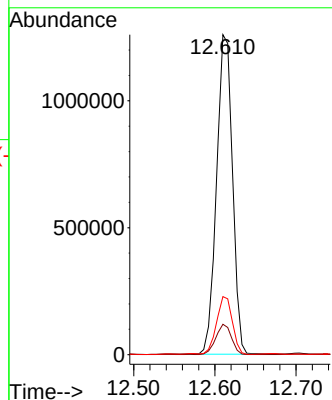
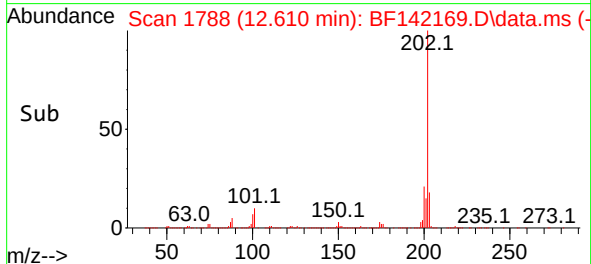
Instrument :
BNA_F
ClientSampleId :
72-11998MSD



Tgt Ion:202 Resp: 171759
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.7
203 18.2 0.0 37.8

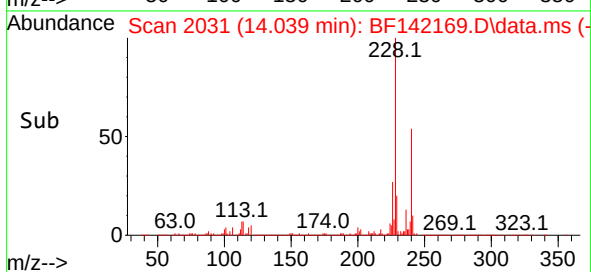
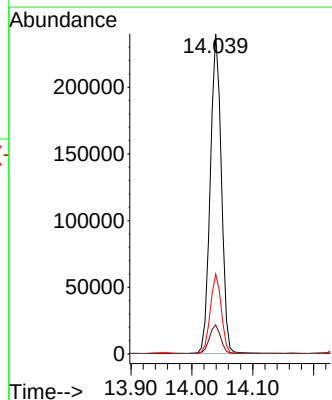
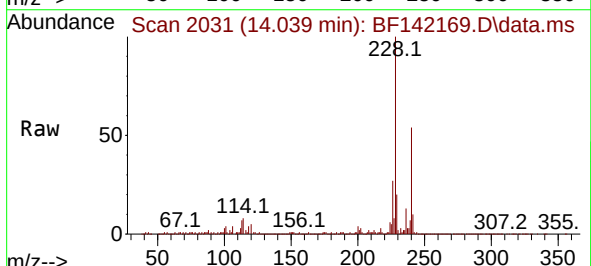
Manual Integrations
APPROVED

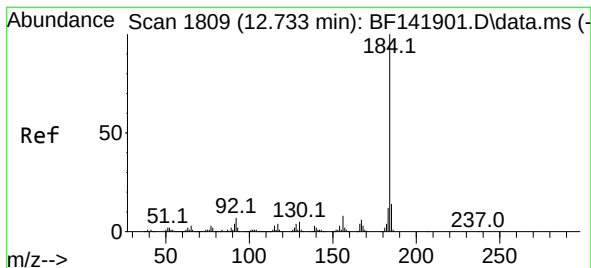
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Tgt Ion:240 Resp: 302251
Ion Ratio Lower Upper
240 100
120 9.0 8.4 12.6
236 24.9 20.5 30.7





#77

Benzidine

Concen: 86.705 ng

RT: 12.733 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

72-11998MSD

Tgt Ion:184 Resp: 36563

Ion Ratio Lower Upper

184 100

185 14.6 11.5 17.3

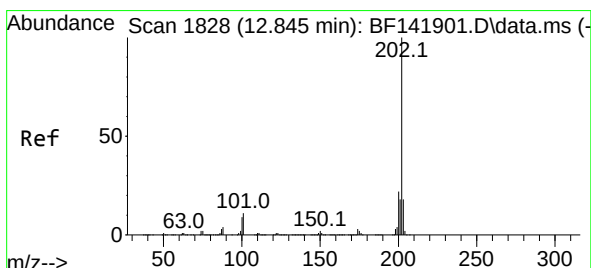
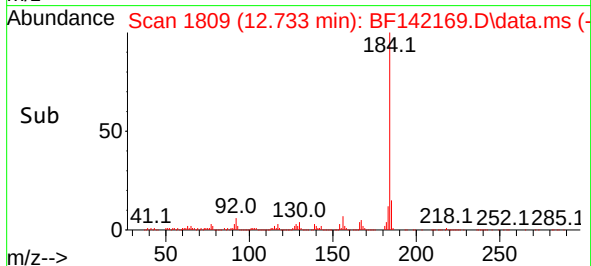
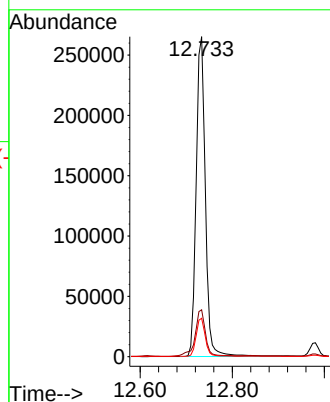
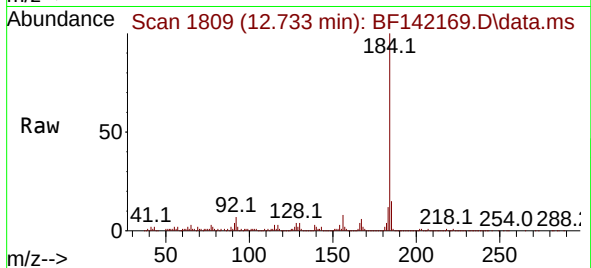
183 12.0 9.7 14.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025

Supervised By :Jagrut Upadhyay 03/31/2025



#78

Pyrene

Concen: 58.650 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

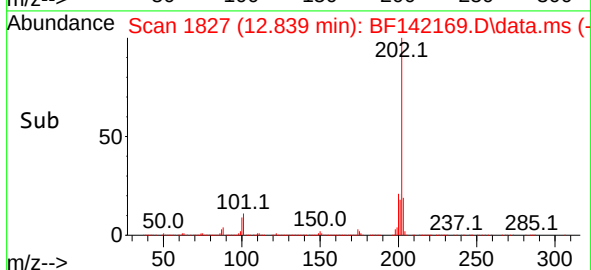
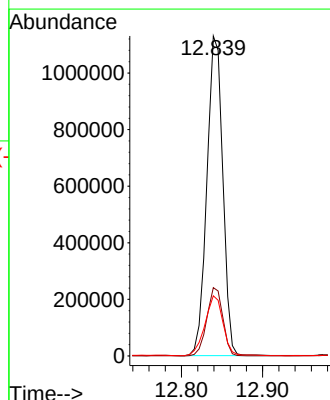
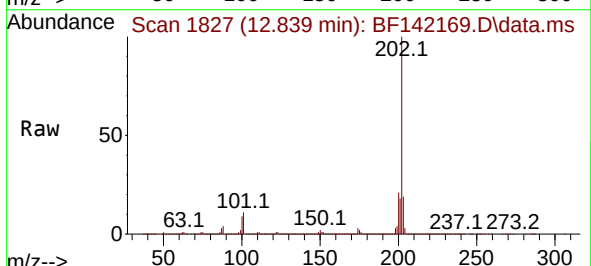
Tgt Ion:202 Resp: 1533419

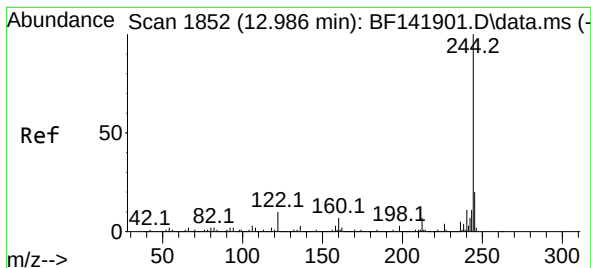
Ion Ratio Lower Upper

202 100

200 21.3 17.3 25.9

203 18.8 14.4 21.6





#79

Terphenyl-d14

Concen: 51.752 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

72-11998MSD

Tgt Ion:244 Resp: 1058009

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

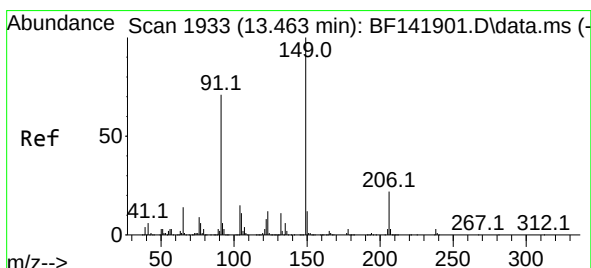
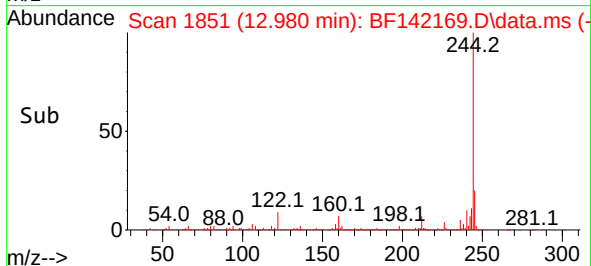
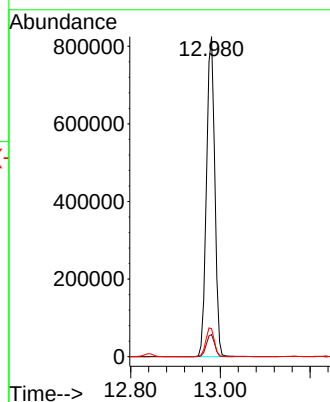
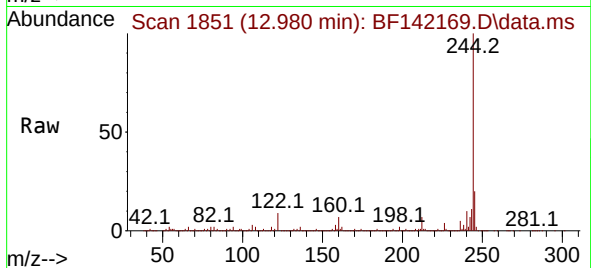
122 8.8 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025

Supervised By :Jagrut Upadhyay 03/31/2025



#80

Butylbenzylphthalate

Concen: 46.474 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

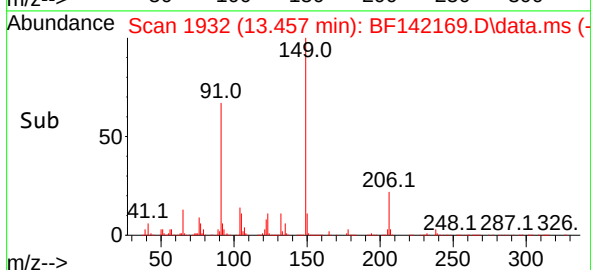
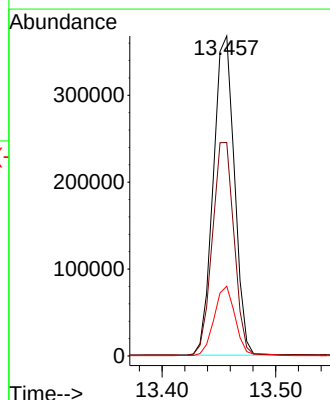
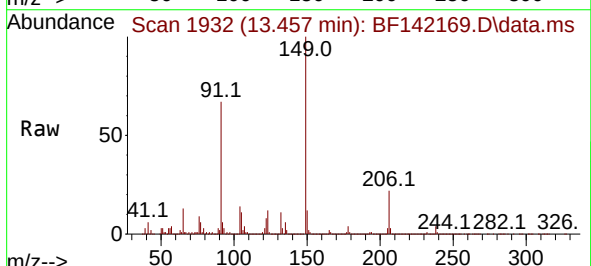
Tgt Ion:149 Resp: 475584

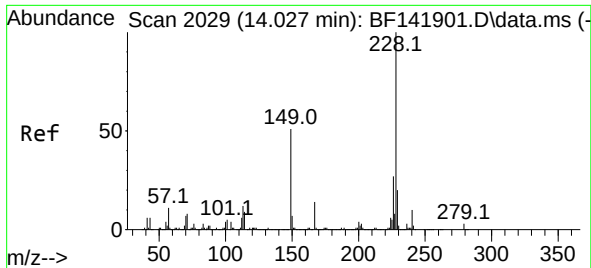
Ion Ratio Lower Upper

149 100

91 66.7 56.5 84.7

206 21.8 17.3 25.9





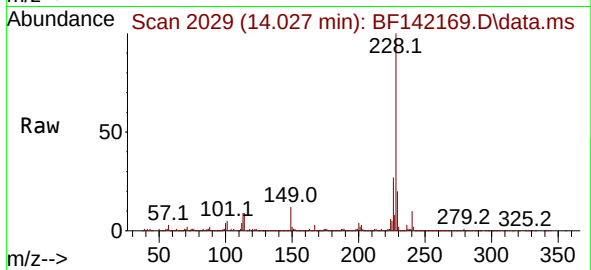
#81
Benzo(a)anthracene
Concen: 59.782 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

72-11998MSD

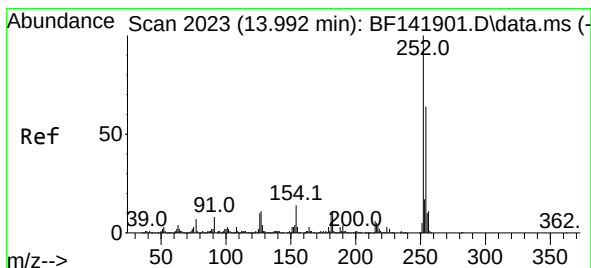
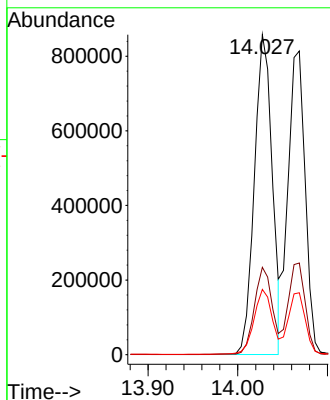
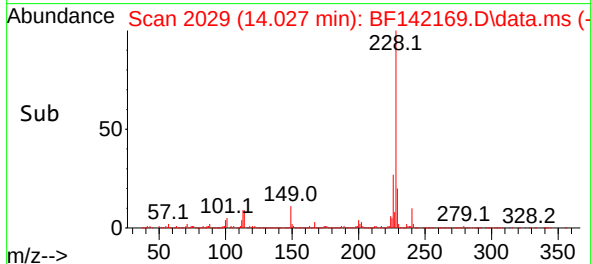


Tgt Ion:228 Resp: 118570
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 20.4 16.0 24.0

Manual Integrations

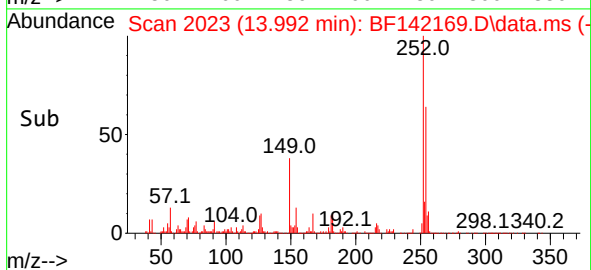
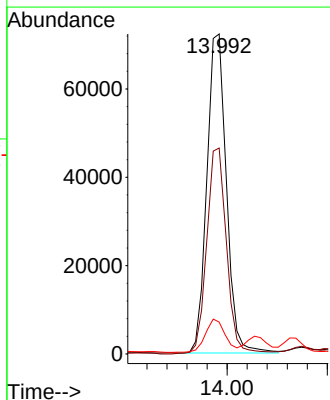
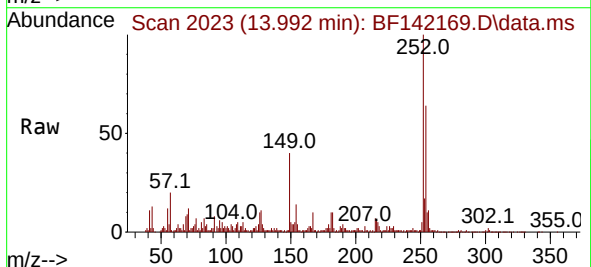
APPROVED

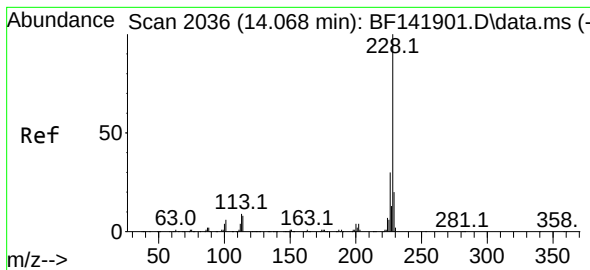
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#82
3,3'-Dichlorobenzidine
Concen: 17.092 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Tgt Ion:252 Resp: 97967
Ion Ratio Lower Upper
252 100
254 64.4 51.0 76.6
126 10.0 8.4 12.6





#83

Chrysene

Concen: 59.719 ng

RT: 14.069 min Scan# 2036

Delta R.T. 0.000 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

72-11998MSD

Tgt Ion:228 Resp: 1073670

Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

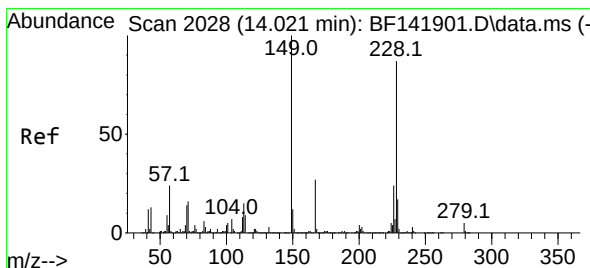
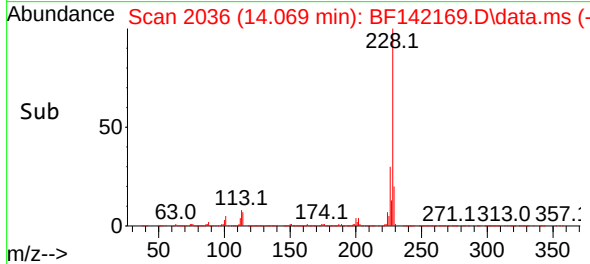
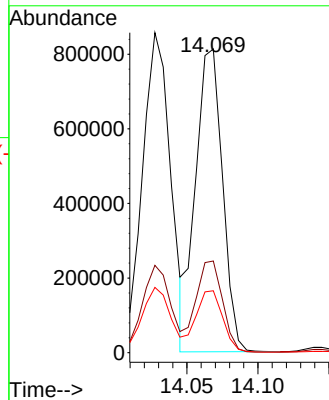
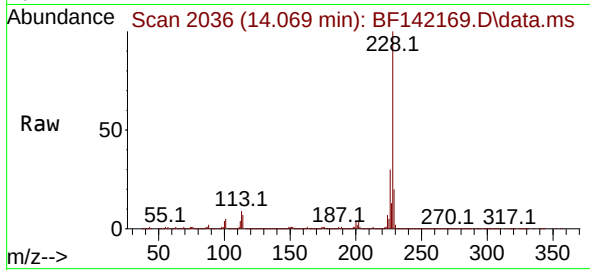
229 20.4 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025

Supervised By :Jagrut Upadhyay 03/31/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.899 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.012 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

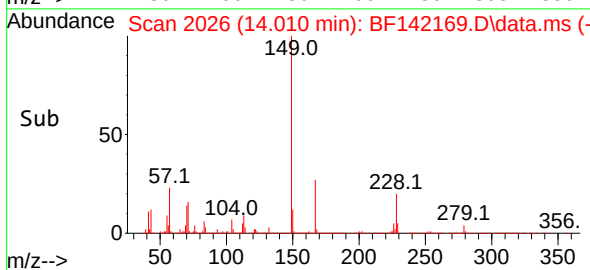
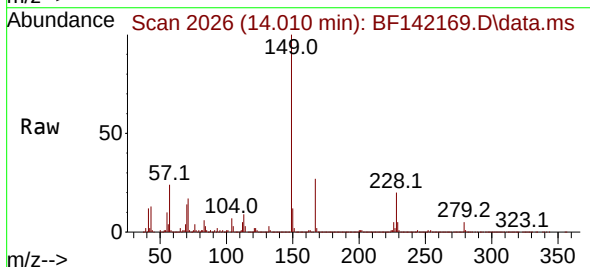
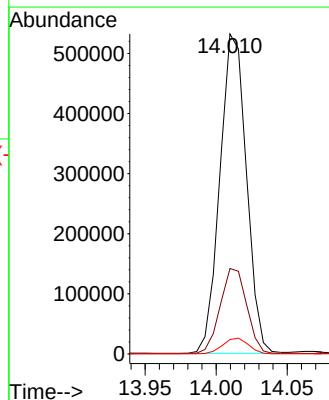
Tgt Ion:149 Resp: 689941

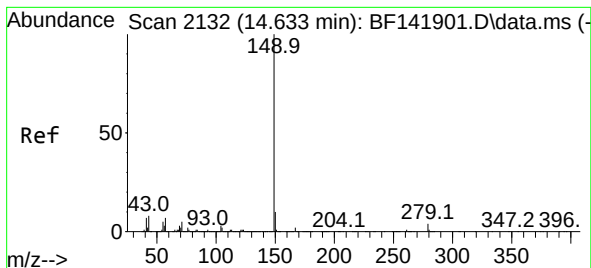
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

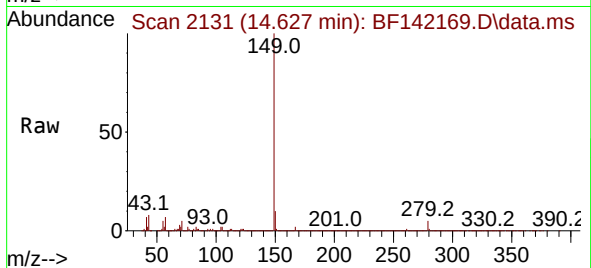
279 4.5 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 58.797 ng
RT: 14.627 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

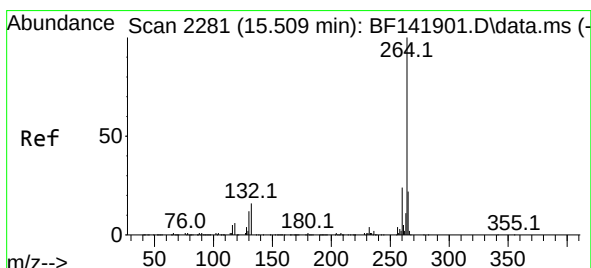
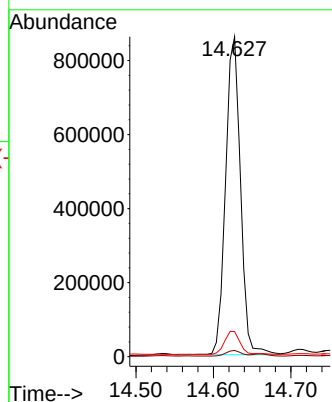
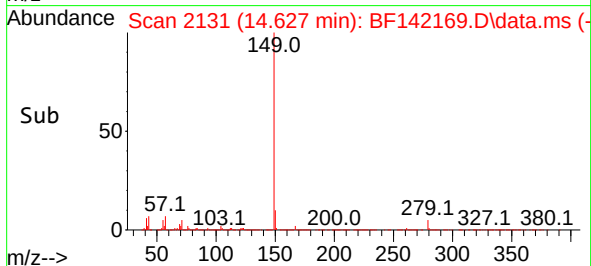
Instrument :
BNA_F
ClientSampleId :
72-11998MSD



Tgt Ion:149 Resp: 1154300
Ion Ratio Lower Upper
149 100
167 1.8 1.3 1.9
43 7.6 6.9 10.3

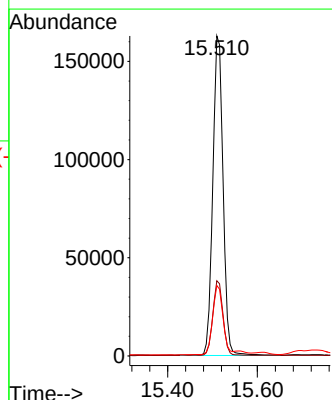
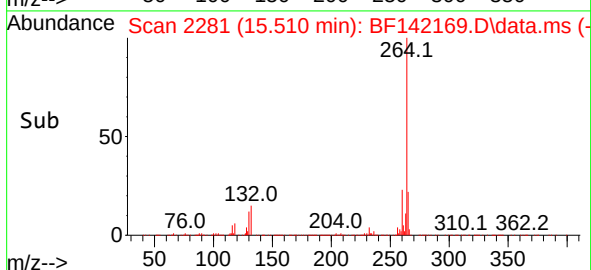
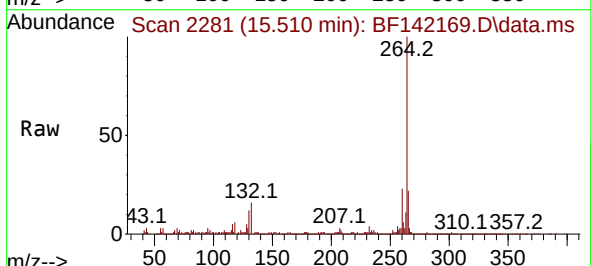
Manual Integrations
APPROVED

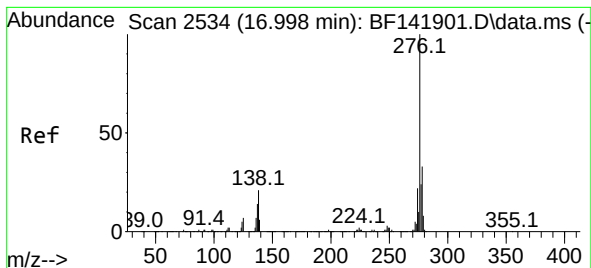
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

Tgt Ion:264 Resp: 258436
Ion Ratio Lower Upper
264 100
260 23.5 19.1 28.7
265 22.0 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.615 ng

RT: 17.010 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

72-11998MSD

Tgt Ion:276 Resp: 82945

Ion Ratio Lower Upper

276 100

138 21.0 18.4 27.6

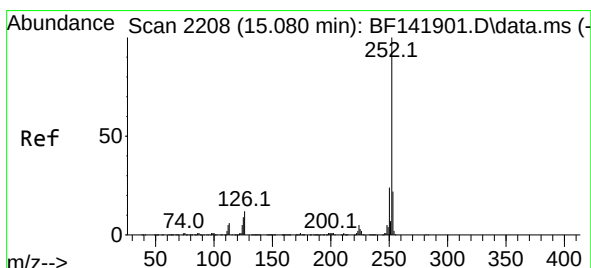
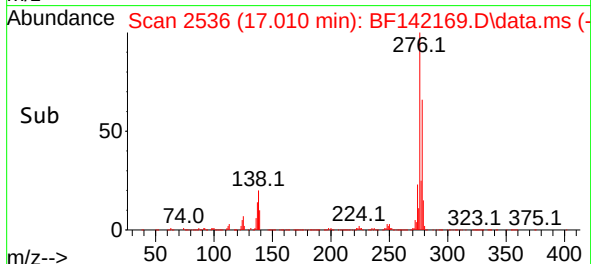
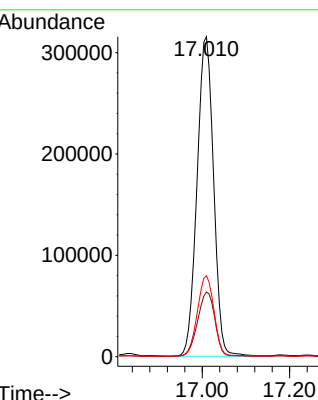
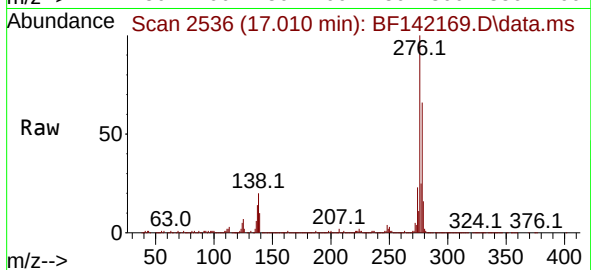
277 25.3 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025

Supervised By :Jagrut Upadhyay 03/31/2025



#88

Benzo(b)fluoranthene

Concen: 57.563 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

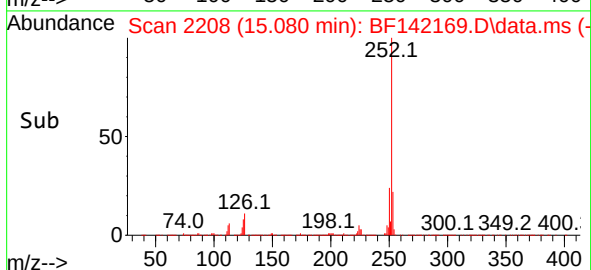
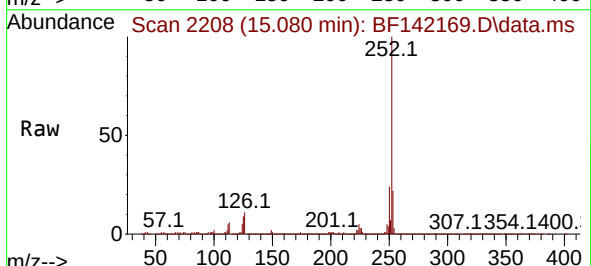
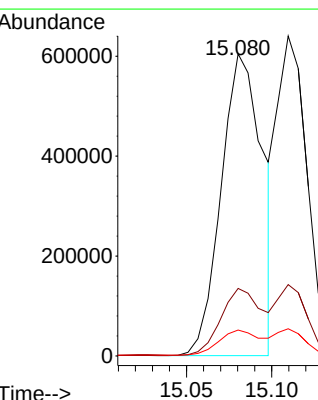
Tgt Ion:252 Resp: 1019559

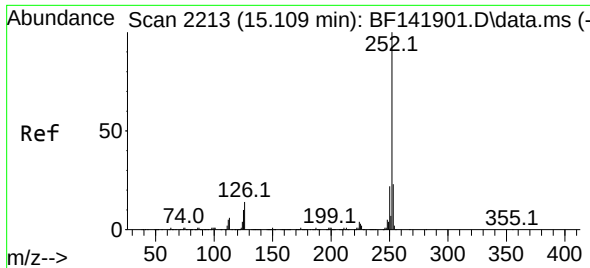
Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 8.6 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 52.072 ng

RT: 15.110 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

Instrument :

BNA_F

ClientSampleId :

72-11998MSD

Tgt Ion:252 Resp: 78928

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

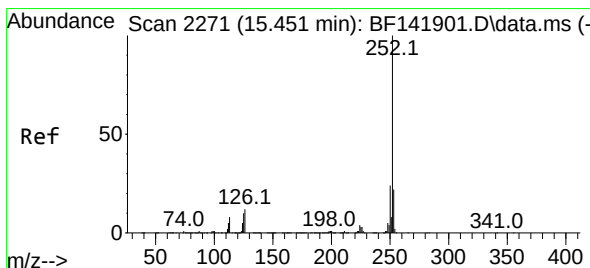
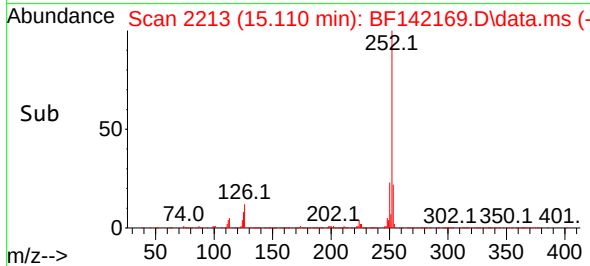
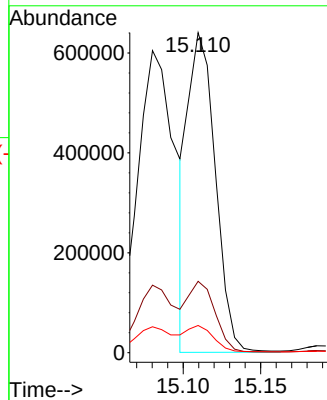
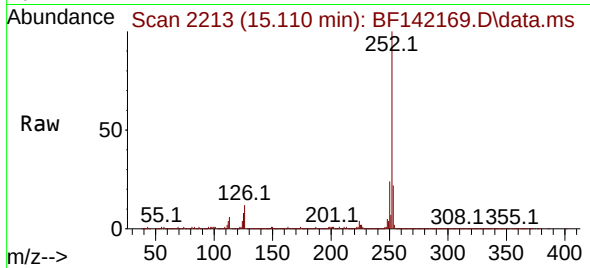
125 8.5 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025

Supervised By :Jagrut Upadhyay 03/31/2025



#90

Benzo(a)pyrene

Concen: 59.875 ng

RT: 15.451 min Scan# 2271

Delta R.T. 0.000 min

Lab File: BF142169.D

Acq: 28 Mar 2025 19:32

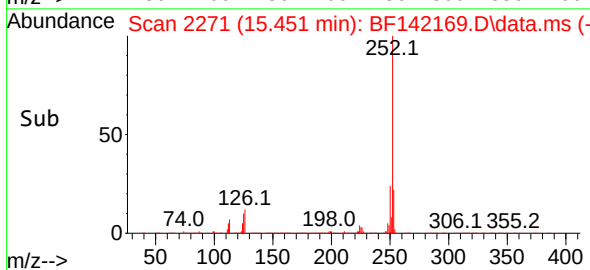
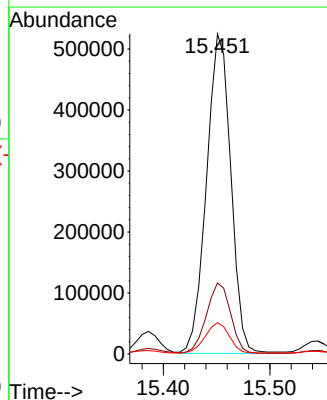
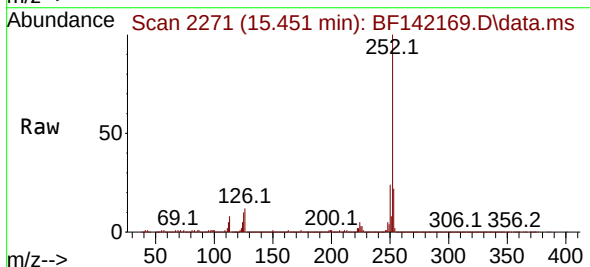
Tgt Ion:252 Resp: 829816

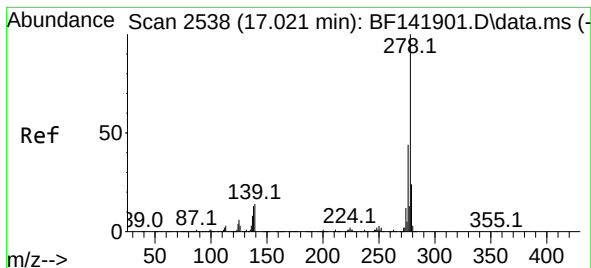
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

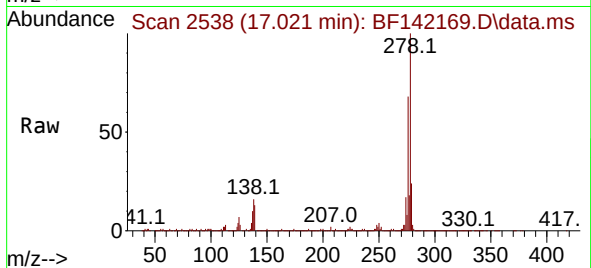
125 9.8 7.8 11.8





#91
Dibenzo(a,h)anthracene
Concen: 48.872 ng
RT: 17.021 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32

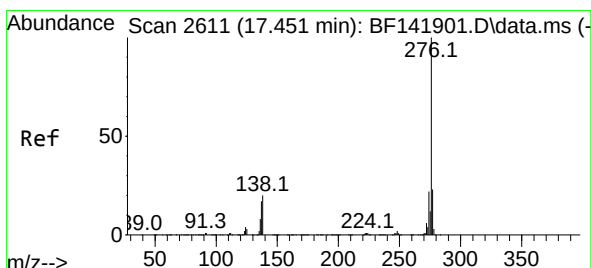
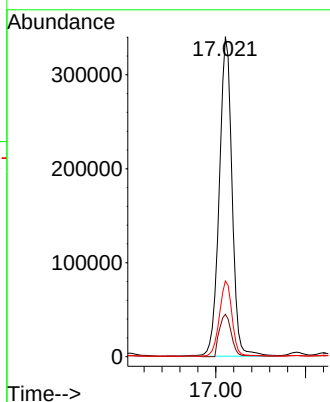
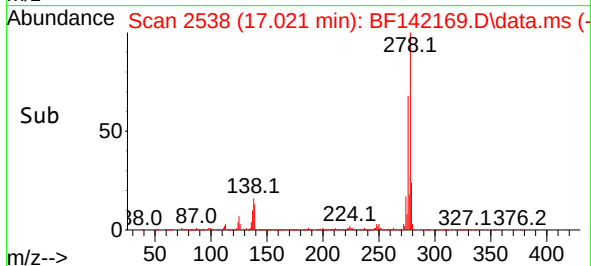
Instrument :
BNA_F
ClientSampleId :
72-11998MSD



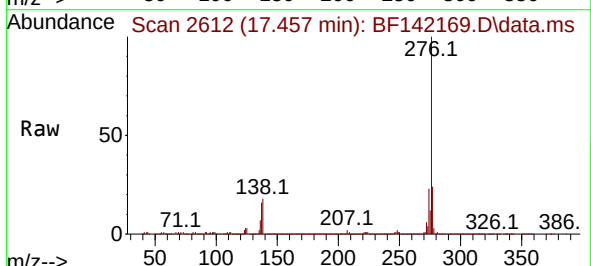
Tgt Ion:278 Resp: 67412
Ion Ratio Lower Upper
278 100
139 13.3 11.4 17.2
279 23.7 18.8 28.2

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#92
Benzo(g,h,i)perylene
Concen: 46.755 ng
RT: 17.457 min Scan# 2612
Delta R.T. 0.006 min
Lab File: BF142169.D
Acq: 28 Mar 2025 19:32



Tgt Ion:276 Resp: 637301
Ion Ratio Lower Upper
276 100
277 23.9 18.7 28.1
138 18.0 15.8 23.8

