

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
 Data File : BF142419.D
 Acq On : 16 May 2025 11:13
 Operator : RC/JU
 Sample : PB167953BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167953BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/19/2025
 Supervised By :Jagrut Upadhyay 05/19/2025

Quant Time: May 16 12:00:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	173630	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	675385	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	366566	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	630880	20.000	ng	0.00
76) Chrysene-d12	14.068	240	344356	20.000	ng	0.00
86) Perylene-d12	15.556	264	359523	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1229627	120.893	ng	0.02
7) Phenol-d6	6.534	99	1504472	120.264	ng	0.01
23) Nitrobenzene-d5	7.469	82	920178	83.092	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	500490	141.416	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1886869	73.396	ng	0.00
79) Terphenyl-d14	13.015	244	1810242	77.808	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.787	88	149707	32.685	ng	99
3) Pyridine	3.540	79	418415	38.909	ng	98
4) n-Nitrosodimethylamine	3.493	42	243472	38.956	ng	96
6) Aniline	6.569	93	532865	43.427	ng	100
8) 2-Chlorophenol	6.686	128	497688	45.790	ng	98
9) Benzaldehyde	6.457	77	296741	40.529	ng	98
10) Phenol	6.545	94	599488	45.208	ng	92
11) bis(2-Chloroethyl)ether	6.639	93	463806	35.468	ng	98
12) 1,3-Dichlorobenzene	6.845	146	522493	42.019	ng	99
13) 1,4-Dichlorobenzene	6.922	146	523852	41.958	ng	99
14) 1,2-Dichlorobenzene	7.075	146	508687	42.447	ng	99
15) Benzyl Alcohol	7.045	79	398510	49.196	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.175	45	769769	39.419	ng	97
17) 2-Methylphenol	7.157	107	386045	43.871	ng	98
18) Hexachloroethane	7.416	117	182804	44.006	ng	98
19) n-Nitroso-di-n-propyla...	7.316	70	327048	42.265	ng	99
20) 3+4-Methylphenols	7.304	107	473450	43.110	ng	93
22) Acetophenone	7.316	105	629352	41.910	ng	99
24) Nitrobenzene	7.486	77	479320	45.917	ng	96
25) Isophorone	7.728	82	899135	42.876	ng	99
26) 2-Nitrophenol	7.804	139	270822	53.328	ng	97
27) 2,4-Dimethylphenol	7.839	122	463175	43.930	ng	100
28) bis(2-Chloroethoxy)met...	7.933	93	559083	41.461	ng	100
29) 2,4-Dichlorophenol	8.045	162	420197	46.877	ng	98
30) 1,2,4-Trichlorobenzene	8.128	180	438894	43.506	ng	99
31) Naphthalene	8.210	128	1391457	42.509	ng	100
32) Benzoic acid	7.957	122	326773	55.302	ng	99
33) 4-Chloroaniline	8.257	127	106321m	7.960	ng	
34) Hexachlorobutadiene	8.322	225	265544	44.453	ng	98
35) Caprolactam	8.627	113	131445m	50.315	ng	
36) 4-Chloro-3-methylphenol	8.733	107	425708	45.687	ng	99
37) 2-Methylnaphthalene	8.898	142	875467	43.042	ng	99
38) 1-Methylnaphthalene	8.998	142	899635	42.437	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	437922	42.775	ng	99
41) Hexachlorocyclopentadiene	9.051	237	602706	95.256	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	307305	47.587	ng	98

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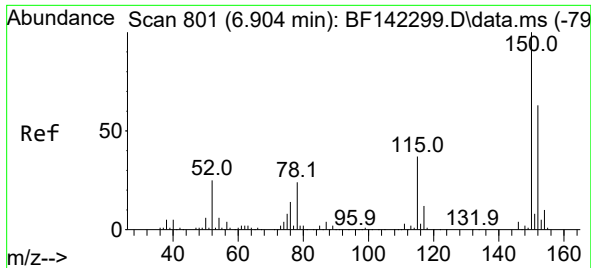
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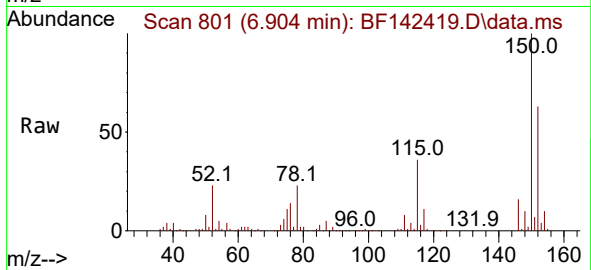
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	324851	47.278	ng	98
46) 1,1'-Biphenyl	9.363	154	1183448	42.106	ng	99
47) 2-Chloronaphthalene	9.392	162	877304	41.973	ng	100
48) 2-Nitroaniline	9.480	65	268263	50.072	ng	95
49) Acenaphthylene	9.804	152	1477785	42.263	ng	99
50) Dimethylphthalate	9.663	163	1045636	44.423	ng	100
51) 2,6-Dinitrotoluene	9.727	165	230545	52.326	ng	88
52) Acenaphthene	9.980	154	1008110	47.949	ng	100
53) 3-Nitroaniline	9.892	138	130548	25.264	ng	94
54) 2,4-Dinitrophenol	9.998	184	286628	120.101	ng	# 1
55) Dibenzofuran	10.151	168	1299450	41.879	ng	99
56) 4-Nitrophenol	10.051	139	402874	103.592	ng	99
57) 2,4-Dinitrotoluene	10.127	165	319356	56.507	ng	96
58) Fluorene	10.492	166	992432	41.911	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.263	232	277612	48.943	ng	99
60) Diethylphthalate	10.363	149	1022998	43.520	ng	100
61) 4-Chlorophenyl-phenyle...	10.480	204	488271	42.740	ng	98
62) 4-Nitroaniline	10.510	138	238941	58.343	ng	98
63) Azobenzene	10.645	77	919836	40.950	ng	97
65) 4,6-Dinitro-2-methylph...	10.539	198	175242	57.854	ng	92
66) n-Nitrosodiphenylamine	10.604	169	881615	41.995	ng	100
67) 4-Bromophenyl-phenylether	10.974	248	313229	43.808	ng	96
68) Hexachlorobenzene	11.039	284	350738	44.596	ng	97
69) Atrazine	11.127	200	274407	49.587	ng	100
70) Pentachlorophenol	11.233	266	429460	103.798	ng	97
71) Phenanthrene	11.457	178	1395824	42.209	ng	100
72) Anthracene	11.510	178	1431099	42.118	ng	100
73) Carbazole	11.657	167	1297202	42.553	ng	100
74) Di-n-butylphthalate	11.986	149	1470098	45.861	ng	100
75) Fluoranthene	12.645	202	1396620	42.249	ng	98
77) Benzidine	12.763	184	498548	79.667	ng	98
78) Pyrene	12.874	202	1375854	44.888	ng	100
80) Butylbenzylphthalate	13.486	149	437060	48.795	ng	99
81) Benzo(a)anthracene	14.057	228	1033001	46.321	ng	100
82) 3,3'-Dichlorobenzidine	14.021	252	193172	37.248	ng	98
83) Chrysene	14.098	228	890087	42.874	ng	100
84) Bis(2-ethylhexyl)phtha...	14.045	149	568724	48.750	ng	99
85) Di-n-octyl phthalate	14.662	149	1044545	49.451	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	1142274	45.673	ng	99
88) Benzo(b)fluoranthene	15.121	252	1019606	46.825	ng	99
89) Benzo(k)fluoranthene	15.151	252	811185	40.708	ng	99
90) Benzo(a)pyrene	15.498	252	894628	45.849	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	930090	45.015	ng	98
92) Benzo(g,h,i)perylene	17.533	276	912878	44.516	ng	96

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142419.D
 Acq: 16 May 2025 11:13

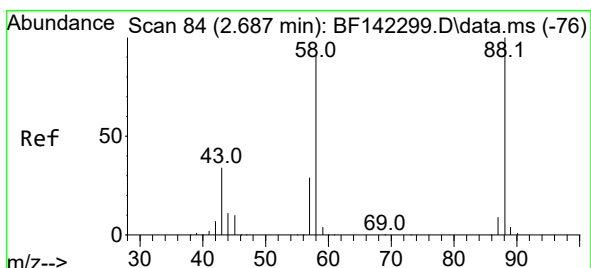
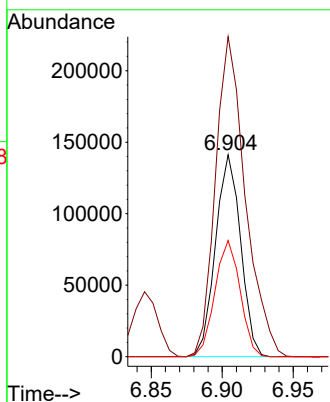
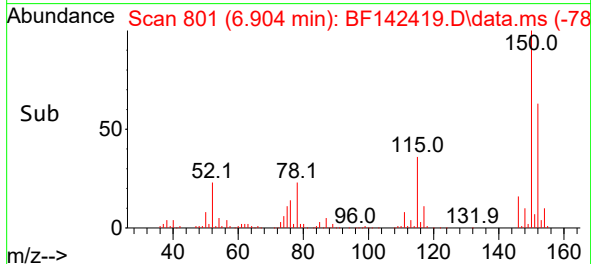
Instrument :
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 PB167953BS



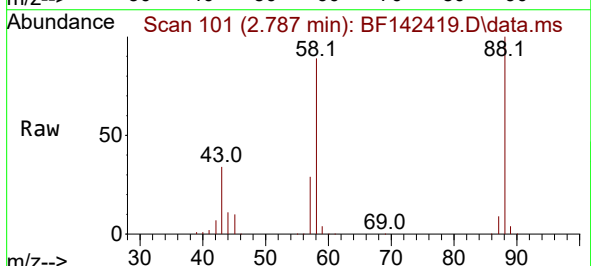
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 Ion Ratio Lower Upper
 152 100
 150 158.5 126.6 190.0
 115 57.5 47.3 70.9

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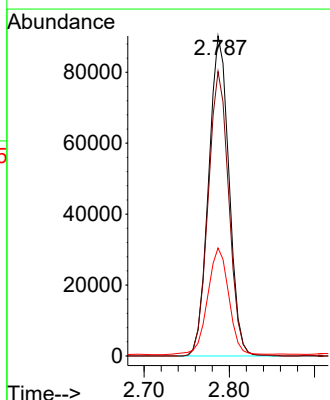
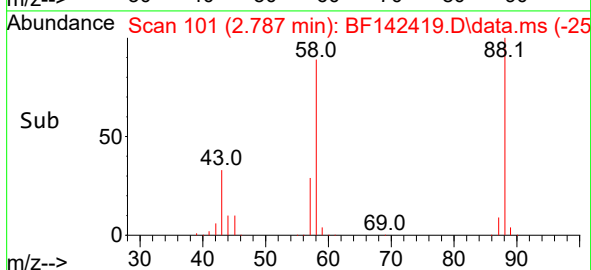
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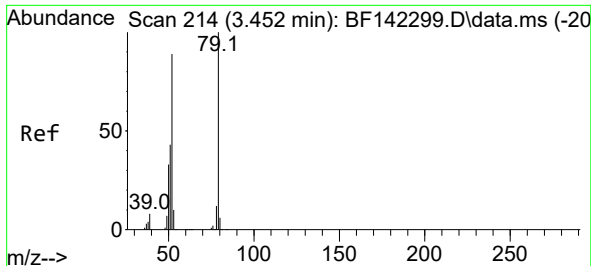


#2
 1,4-Dioxane
 Concen: 32.685 ng
 RT: 2.787 min Scan# 101
 Delta R.T. 0.100 min
 Lab File: BF142419.D
 Acq: 16 May 2025 11:13



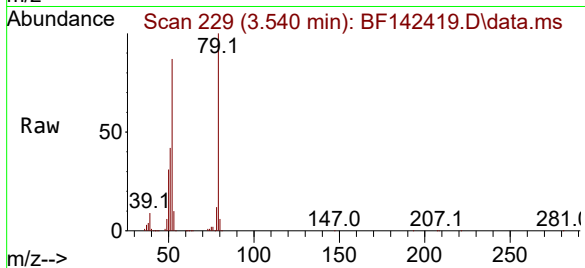
Tgt Ion: 88 Resp: 149707
 Ion Ratio Lower Upper
 88 100
 58 89.9 73.0 109.4
 43 34.5 27.8 41.6





#3
Pyridine
Concen: 38.909 ng
RT: 3.540 min Scan# 214
Delta R.T. 0.088 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

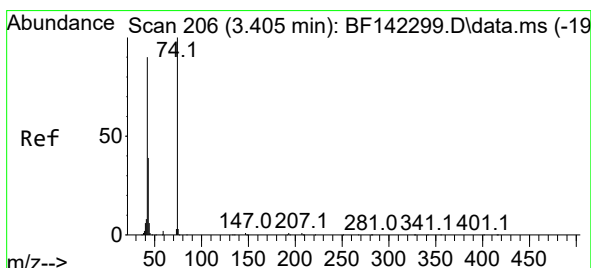
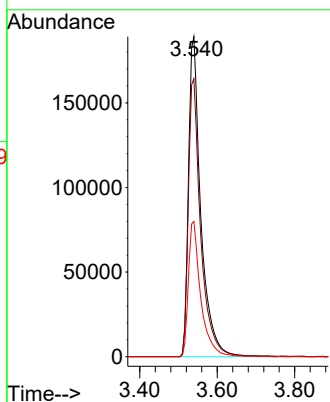
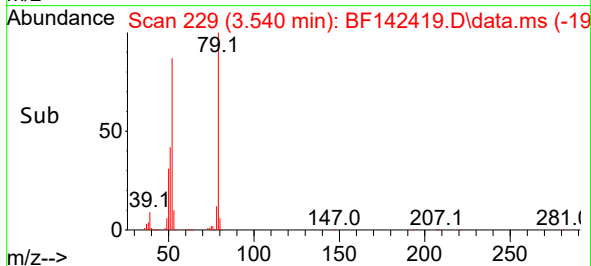
Instrument :
BNA_F
ClientSampleId :
PB167953BS



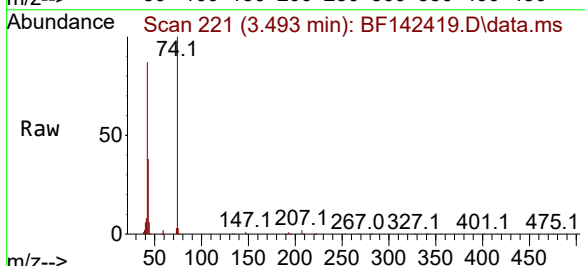
Tgt Ion: 79 Resp: 418415
Ion Ratio Lower Upper
79 100
52 86.9 71.0 106.4
51 42.3 34.9 52.3

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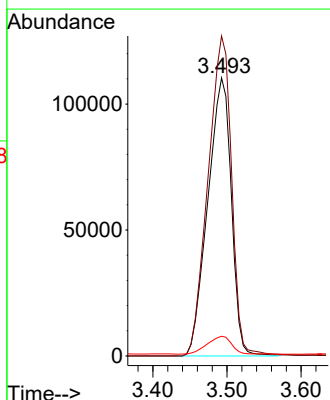
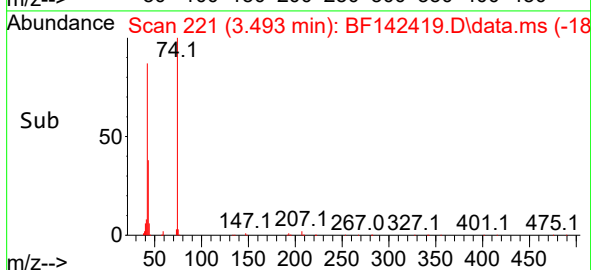
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Supervised By :Jagrut Upadhyay 05/19/2025

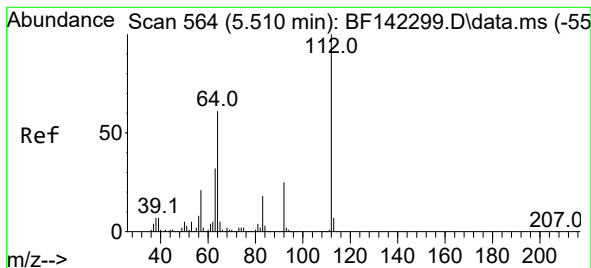


#4
n-Nitrosodimethylamine
Concen: 38.956 ng
RT: 3.493 min Scan# 221
Delta R.T. 0.088 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



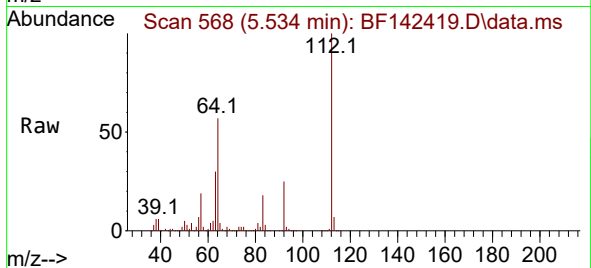
Tgt Ion: 42 Resp: 243472
Ion Ratio Lower Upper
42 100
74 115.1 88.5 132.7
44 7.1 5.8 8.8





#5
2-Fluorophenol
Concen: 120.893 ng
RT: 5.534 min Scan# 50
Delta R.T. 0.023 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

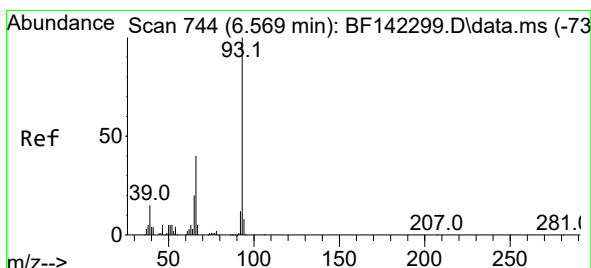
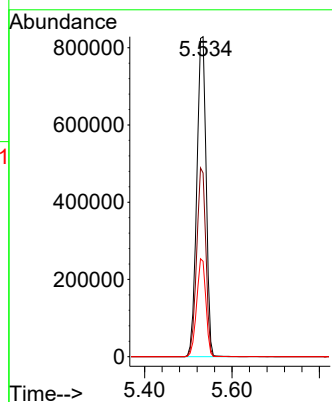
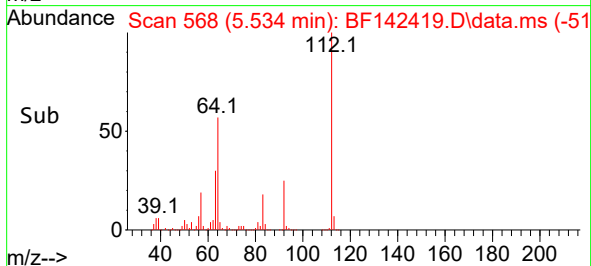
Instrument :
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Tgt Ion:112 Resp: 122962
Ion Ratio Lower Upper
112 100
64 57.4 48.9 73.3
63 29.8 25.6 38.4

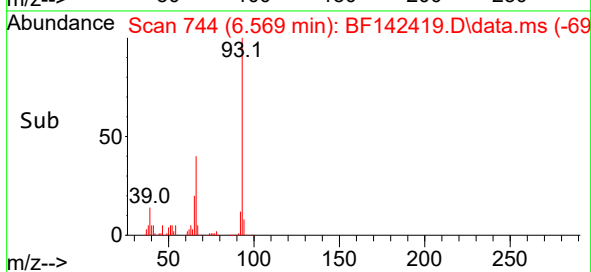
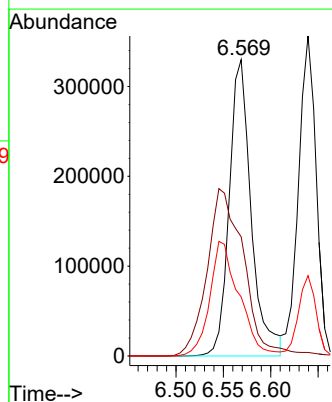
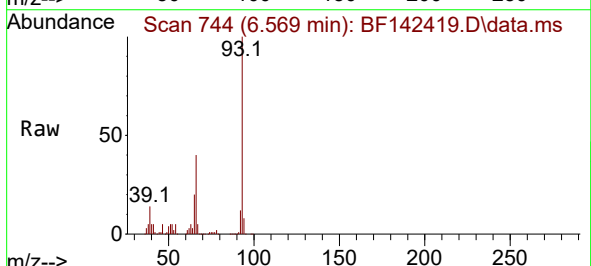
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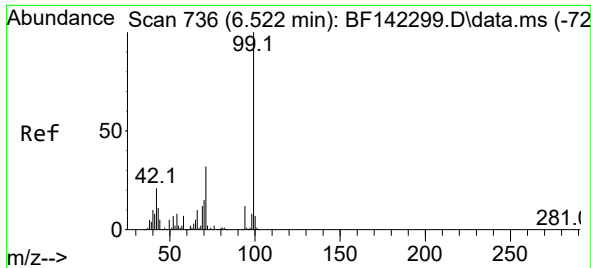
Reviewed By :Rahul Chavli 05/19/2025
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#6
Aniline
Concen: 43.427 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

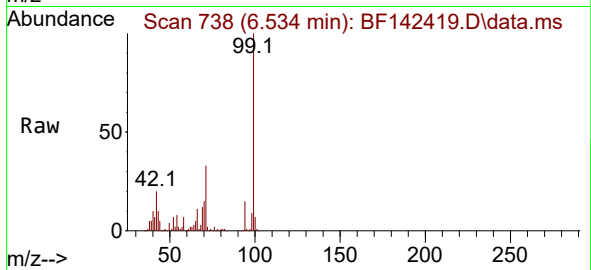
Tgt Ion: 93 Resp: 532865
Ion Ratio Lower Upper
93 100
66 40.2 32.2 48.4
65 19.9 16.3 24.5





#7
Phenol-d6
Concen: 120.264 ng
RT: 6.534 min Scan# 738
Delta R.T. 0.012 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

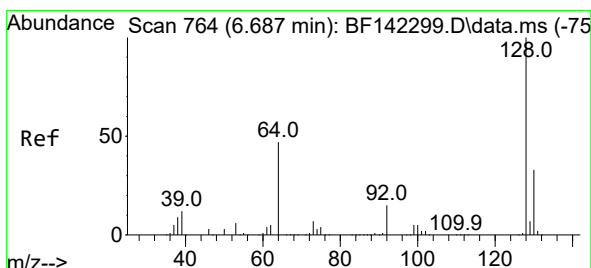
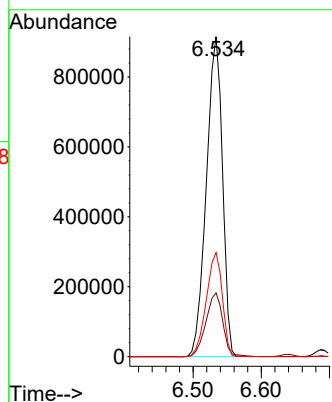
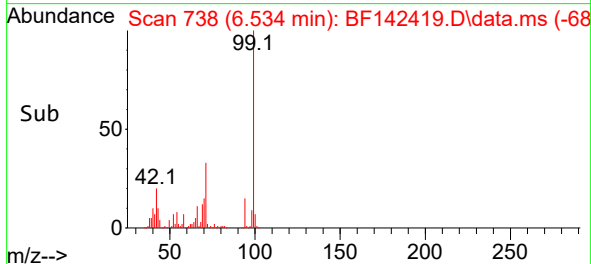
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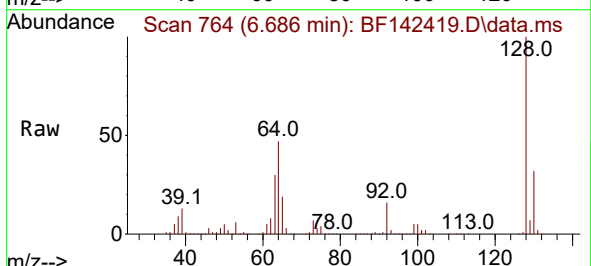
Tgt Ion: 99 Resp: 150447
Ion Ratio Lower Upper
99 100
42 20.0 17.0 25.4
71 32.5 25.8 38.8

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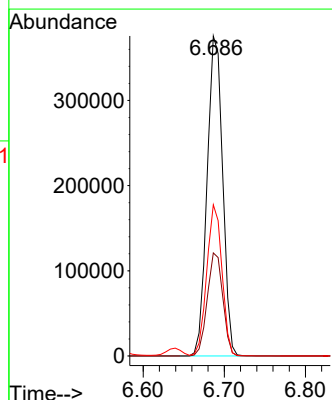
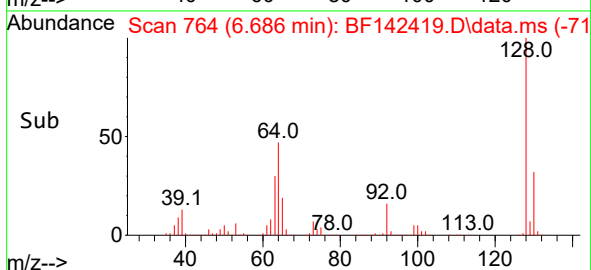
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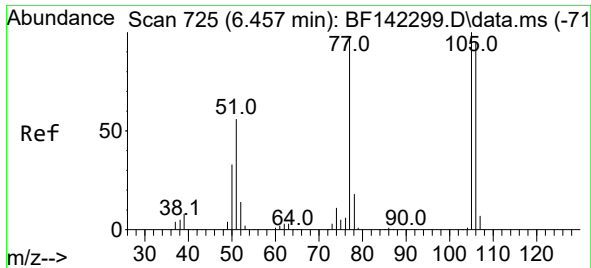


#8
2-Chlorophenol
Concen: 45.790 ng
RT: 6.686 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



Tgt Ion:128 Resp: 497688
Ion Ratio Lower Upper
128 100
130 32.2 12.7 52.7
64 47.3 29.2 69.2





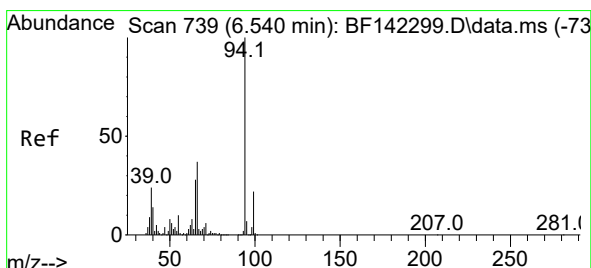
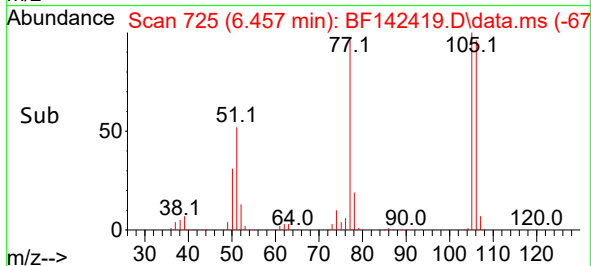
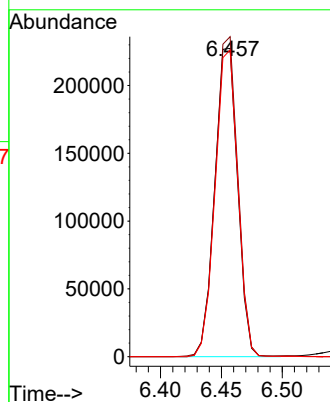
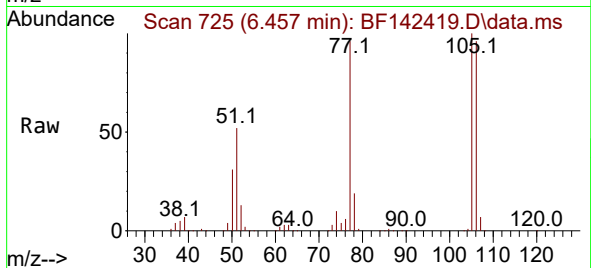
#9
Benzaldehyde
Concen: 40.529 ng
RT: 6.457 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Instrument :
BNA_F
ClientSampleId :
PB167953BS

Tgt Ion: 77 Resp: 29674
Ion Ratio Lower Upper
77 100
105 103.8 82.0 122.0
106 99.5 77.2 117.2

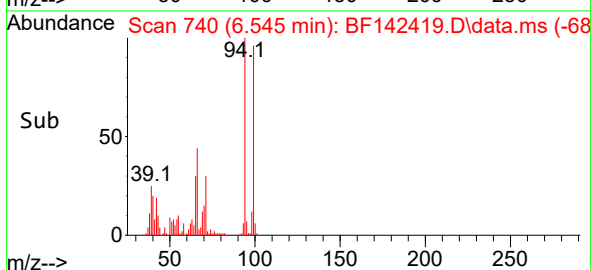
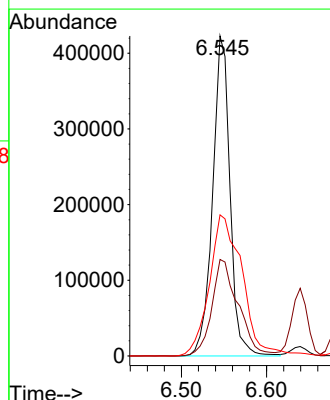
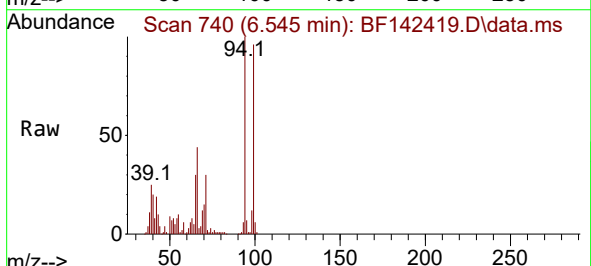
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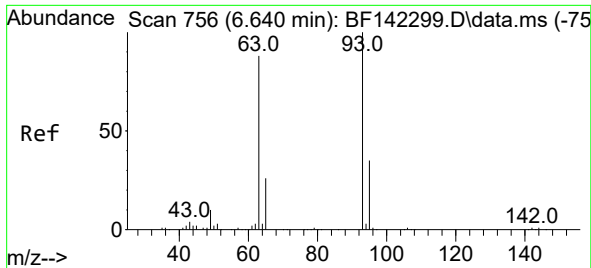
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#10
Phenol
Concen: 45.208 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

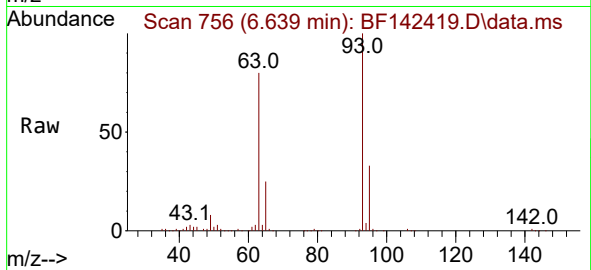
Tgt Ion: 94 Resp: 599488
Ion Ratio Lower Upper
94 100
65 30.2 8.5 48.5
66 44.1 17.3 57.3





#11
bis(2-Chloroethyl)ether
Concen: 35.468 ng
RT: 6.639 min Scan# 756
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

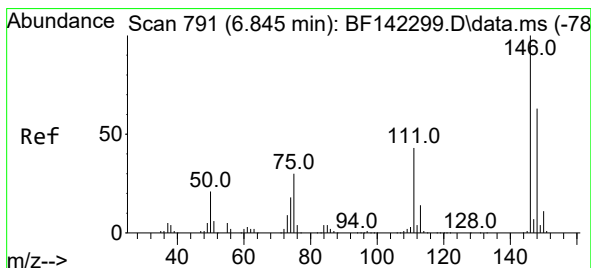
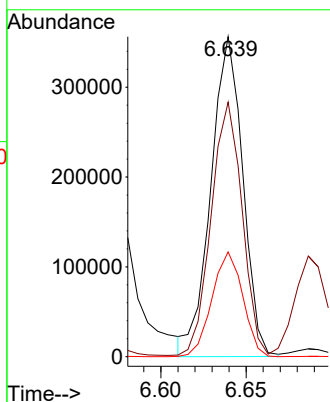
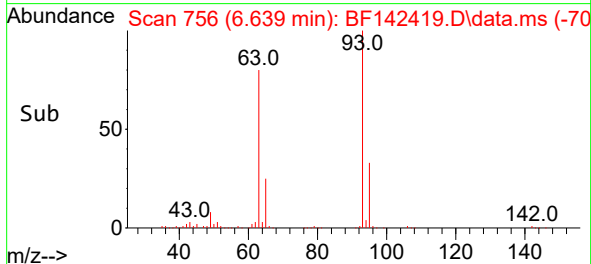
Instrument :
BNA_F
ClientSampleId :
PB167953BS



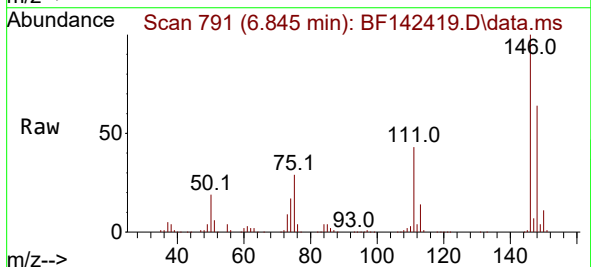
Tgt Ion: 93 Resp: 463800
Ion Ratio Lower Upper
93 100
63 79.5 58.4 98.4
95 32.7 10.6 50.6

Manual Integrations
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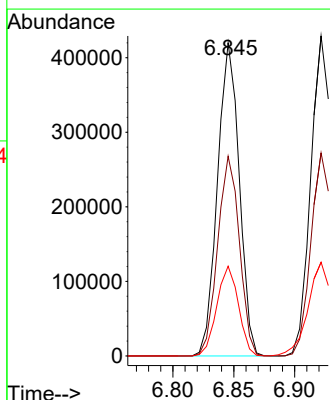
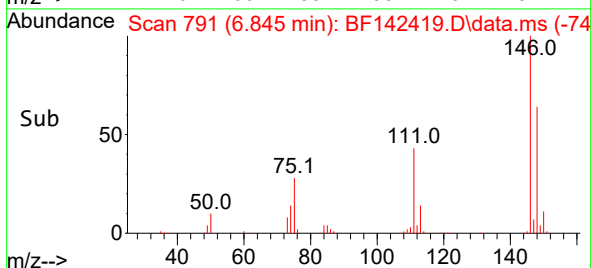
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

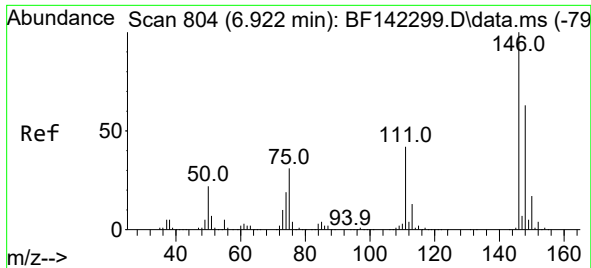


#12
1,3-Dichlorobenzene
Concen: 42.019 ng
RT: 6.845 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



Tgt Ion:146 Resp: 522493
Ion Ratio Lower Upper
146 100
148 63.8 50.6 76.0
75 28.6 24.2 36.4





#13

1,4-Dichlorobenzene

Concen: 41.958 ng

RT: 6.922 min Scan# 804

Delta R.T. -0.000 min

Lab File: BF142419.D

Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS

Tgt Ion:146 Resp: 52385

Ion Ratio Lower Upper

146 100

148 63.4 50.5 75.7

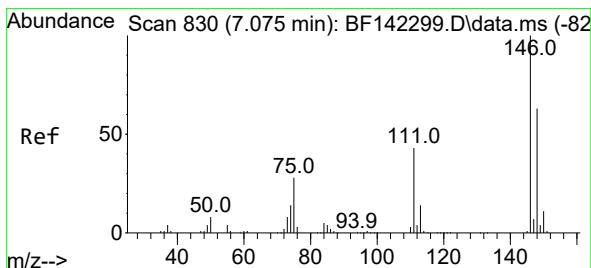
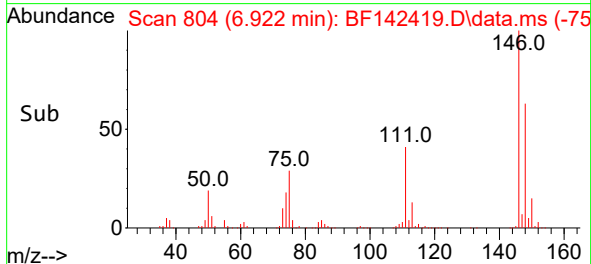
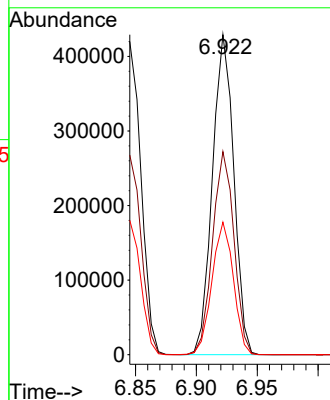
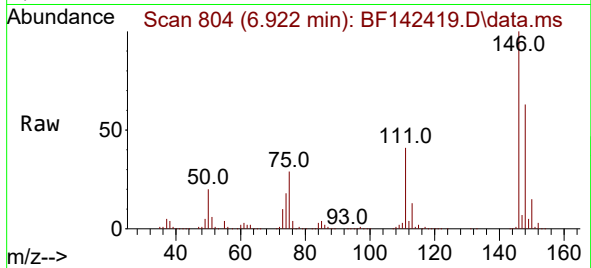
111 41.4 33.4 50.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#14

1,2-Dichlorobenzene

Concen: 42.447 ng

RT: 7.075 min Scan# 830

Delta R.T. -0.000 min

Lab File: BF142419.D

Acq: 16 May 2025 11:13

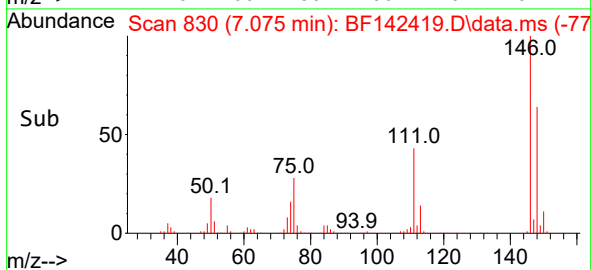
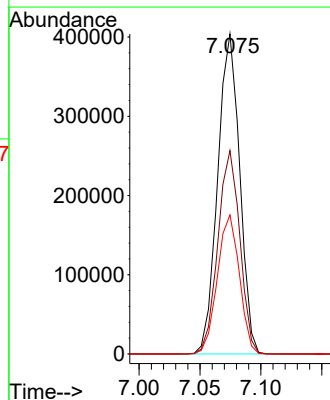
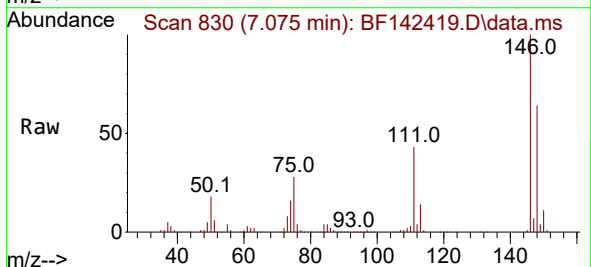
Tgt Ion:146 Resp: 508687

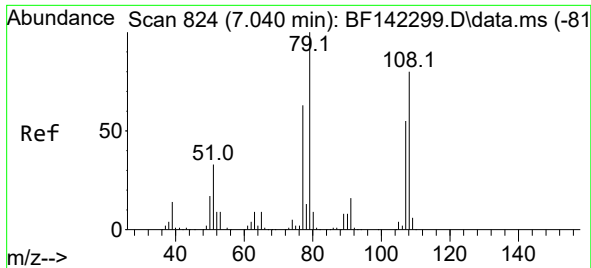
Ion Ratio Lower Upper

146 100

148 63.6 50.3 75.5

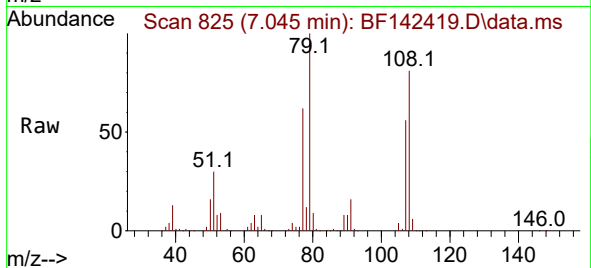
111 43.4 34.5 51.7





#15
Benzyl Alcohol
Concen: 49.196 ng
RT: 7.045 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

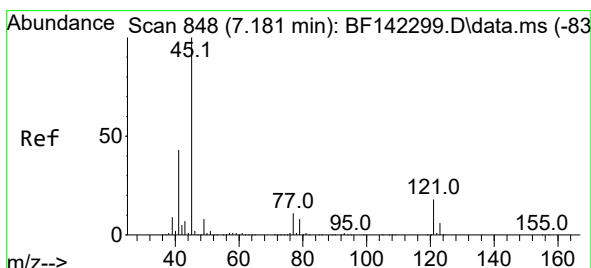
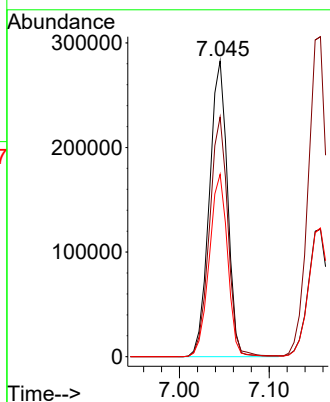
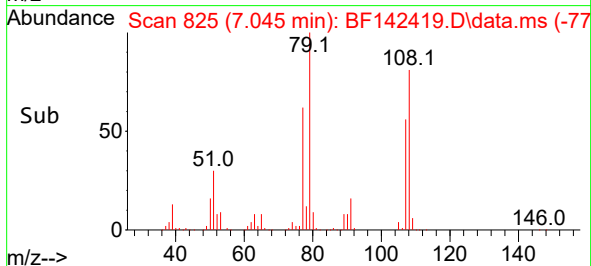
Instrument :
BNA_F
ClientSampleId :
PB167953BS



Tgt Ion: 79 Resp: 398510
Ion Ratio Lower Upper
79 100
108 81.1 63.9 95.9
77 61.7 50.7 76.1

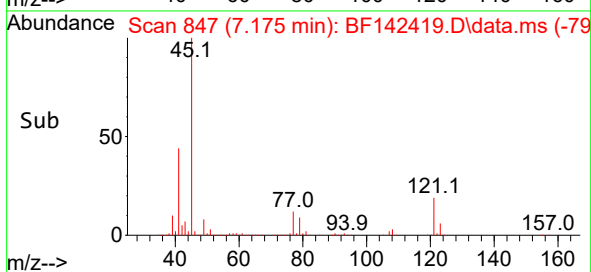
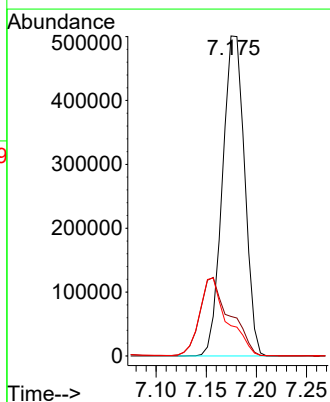
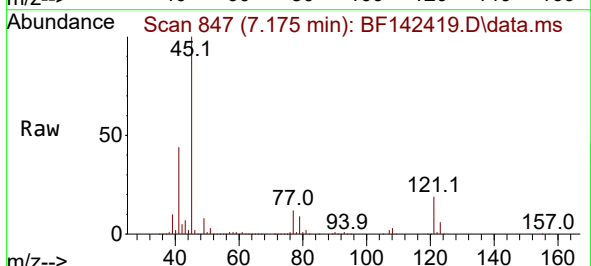
Manual Integrations
APPROVED

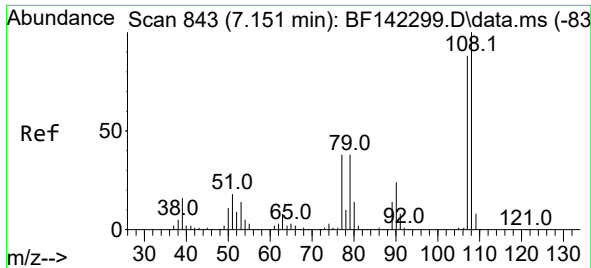
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.419 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

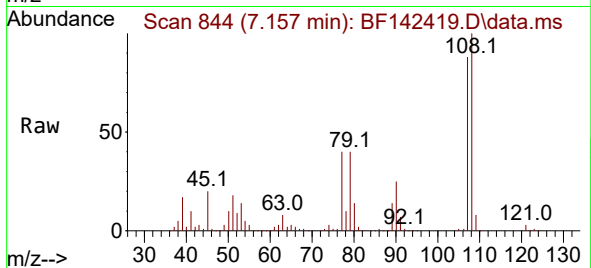
Tgt Ion: 45 Resp: 769769
Ion Ratio Lower Upper
45 100
77 12.3 0.0 31.2
79 9.4 0.0 28.5





#17
2-Methylphenol
Concen: 43.871 ng
RT: 7.157 min Scan# 843
Delta R.T. 0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

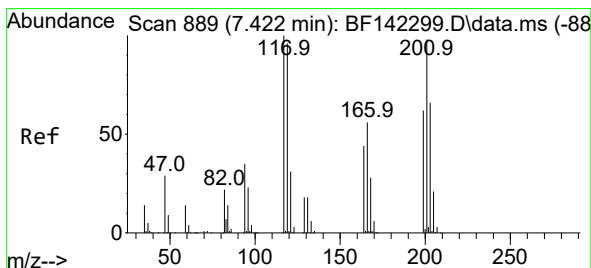
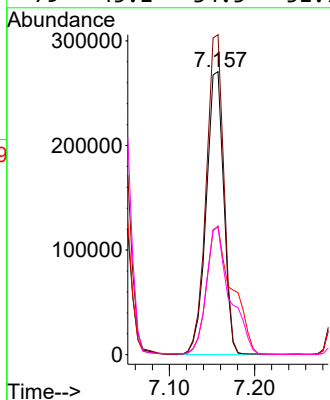
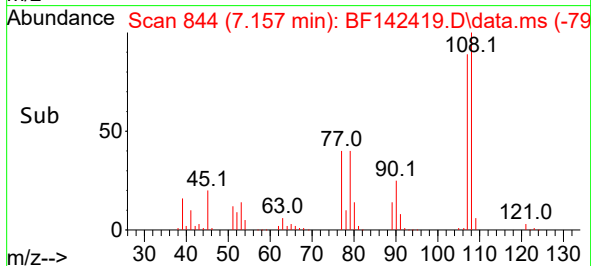
Instrument :
BNA_F
ClientSampleId :
PB167953BS



Tgt Ion:107 Resp: 386045
Ion Ratio Lower Upper
107 100
108 113.1 91.1 136.7
77 45.5 34.7 52.1
79 45.1 34.5 51.7

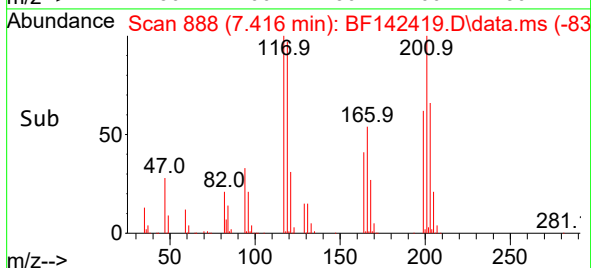
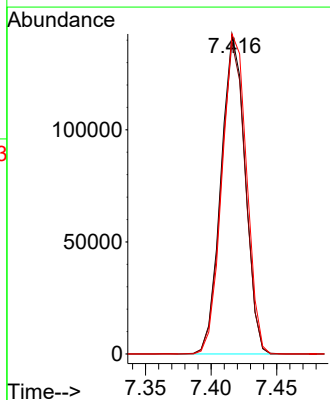
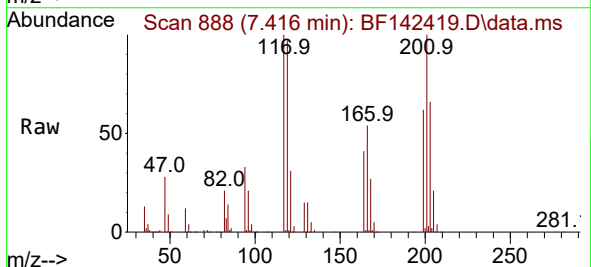
Manual Integrations
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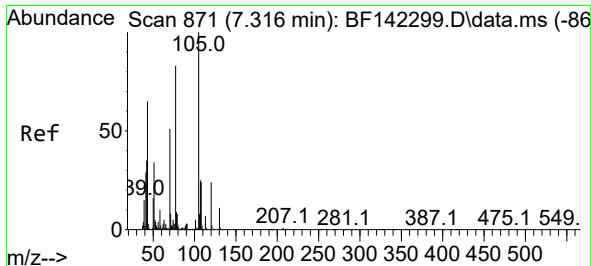
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#18
Hexachloroethane
Concen: 44.006 ng
RT: 7.416 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

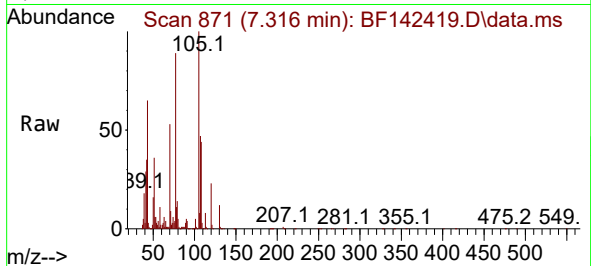
Tgt Ion:117 Resp: 182804
Ion Ratio Lower Upper
117 100
119 97.5 76.9 115.3
201 100.0 78.0 117.0





#19
n-Nitroso-di-n-propylamine
Concen: 42.265 ng
RT: 7.316 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

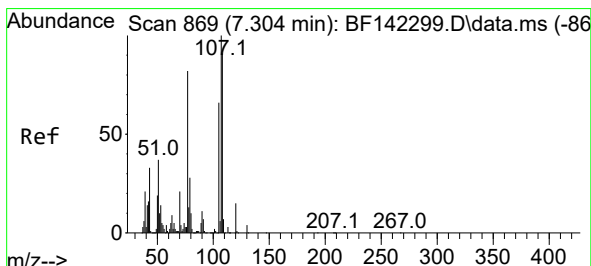
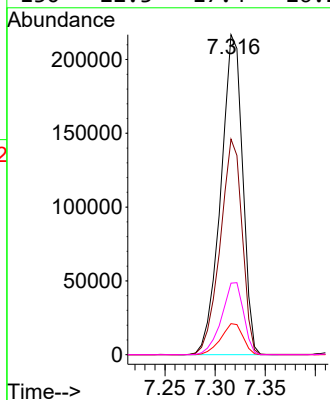
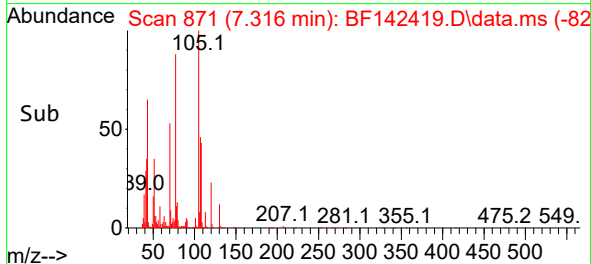
Instrument :
BNA_F
ClientSampleId :
PB167953BS



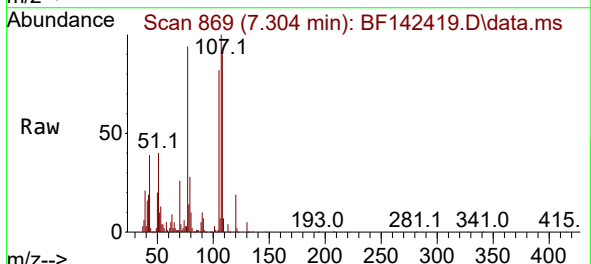
Tgt Ion: 70 Resp: 32704
Ion Ratio Lower Upper
70 100
42 67.4 54.8 82.2
101 9.7 7.7 11.5
130 22.3 17.4 26.2

Manual Integrations
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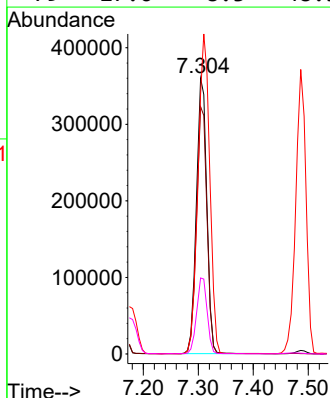
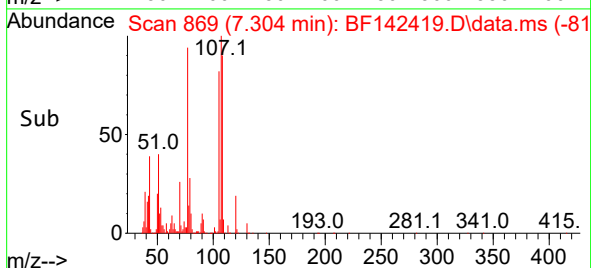
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

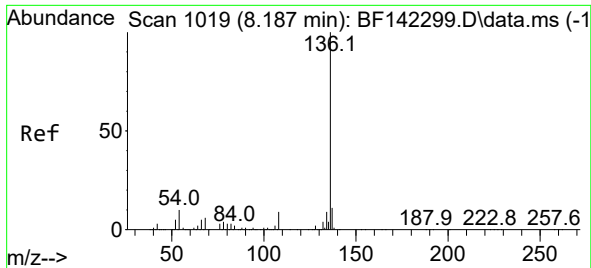


#20
3+4-Methylphenols
Concen: 43.110 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



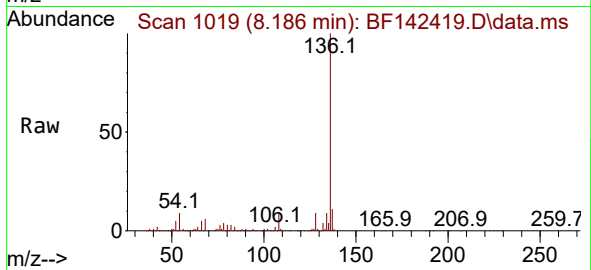
Tgt Ion:107 Resp: 473450
Ion Ratio Lower Upper
107 100
108 89.7 71.5 111.5
77 94.3 61.6 101.6
79 27.6 8.3 48.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

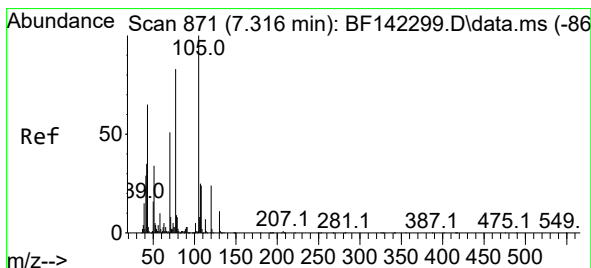
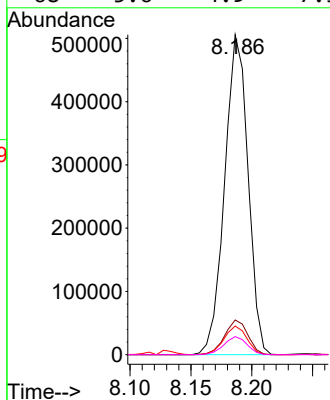
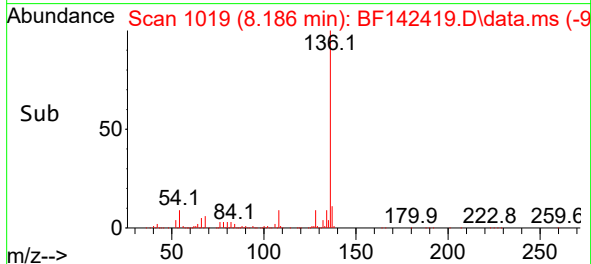
Instrument :
BNA_F
ClientSampleId :
PB167953BS



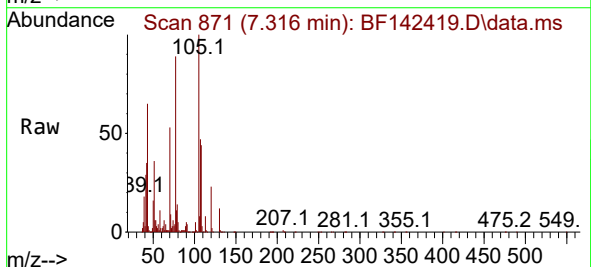
Tgt Ion:136 Resp: 675385
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 9.0 7.7 11.5
68 5.6 4.9 7.3

Manual Integrations
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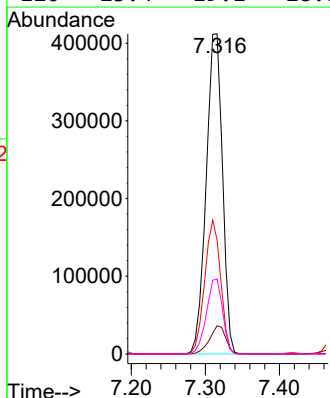
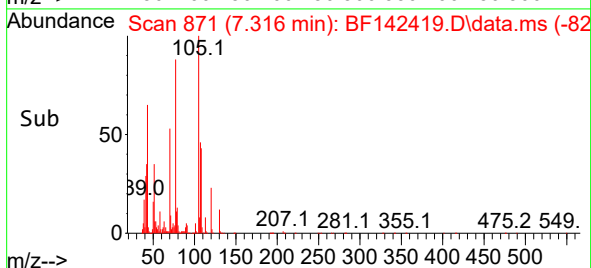
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

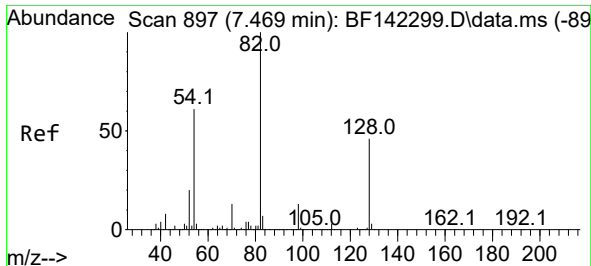


#22
Acetophenone
Concen: 41.910 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



Tgt Ion:105 Resp: 629352
Ion Ratio Lower Upper
105 100
71 8.8 6.7 10.1
51 35.6 27.6 41.4
120 23.4 19.1 28.7





#23

Nitrobenzene-d5

Concen: 83.092 ng

RT: 7.469 min Scan# 897

Delta R.T. -0.000 min

Lab File: BF142419.D

Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS

Tgt Ion: 82 Resp: 920178

Ion Ratio Lower Upper

82 100

128 48.8 37.0 55.6

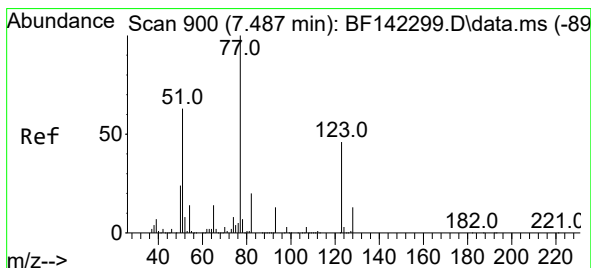
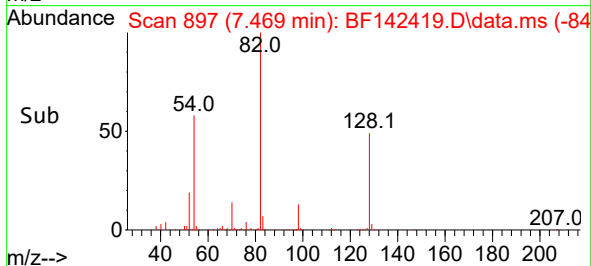
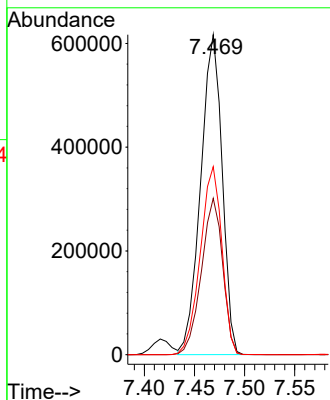
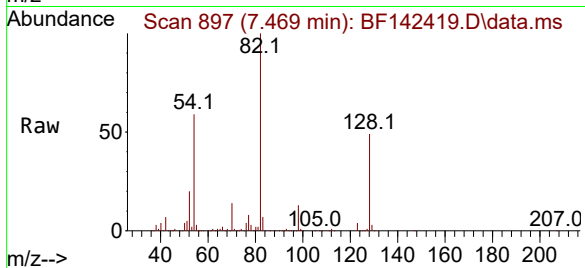
54 58.8 48.6 73.0

Manual Integrations

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Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#24

Nitrobenzene

Concen: 45.917 ng

RT: 7.486 min Scan# 900

Delta R.T. -0.000 min

Lab File: BF142419.D

Acq: 16 May 2025 11:13

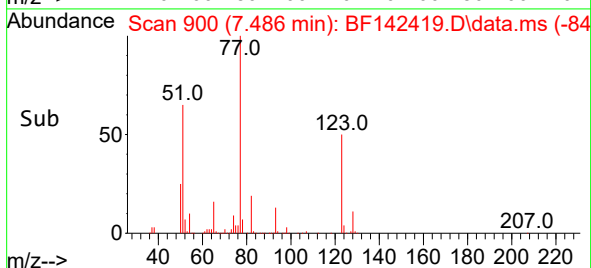
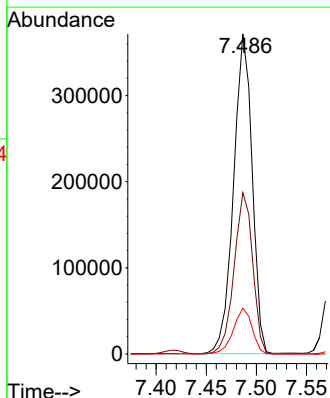
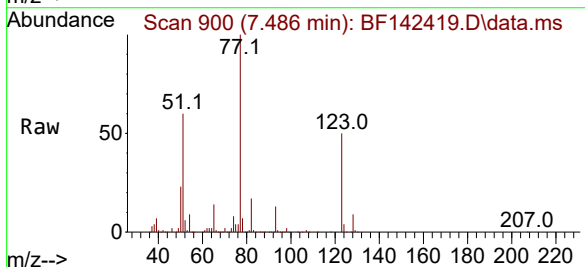
Tgt Ion: 77 Resp: 479320

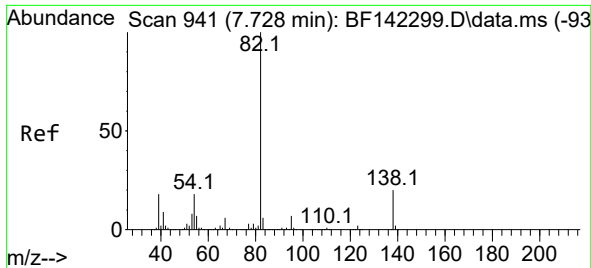
Ion Ratio Lower Upper

77 100

123 50.4 37.8 56.8

65 14.3 11.4 17.0





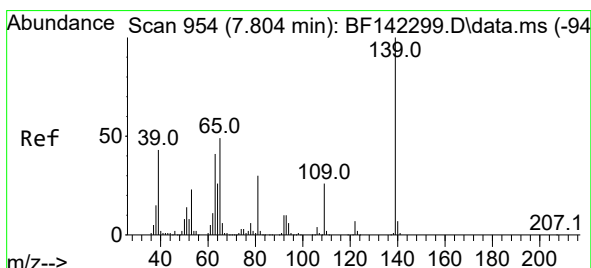
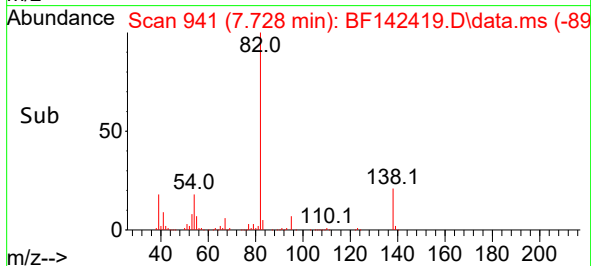
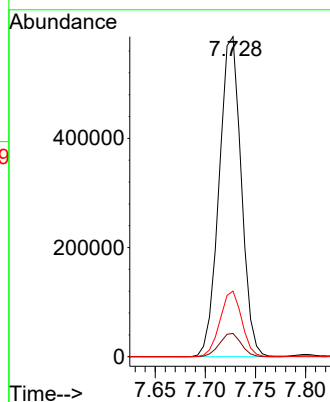
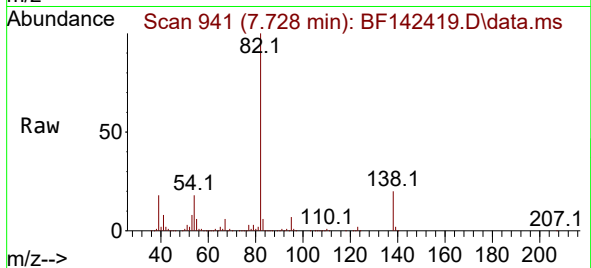
#25
Isophorone
Concen: 42.876 ng
RT: 7.728 min Scan# 941
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Instrument :
BNA_F
ClientSampleId :
PB167953BS

Tgt Ion: 82 Resp: 899135
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 20.5 16.1 24.1

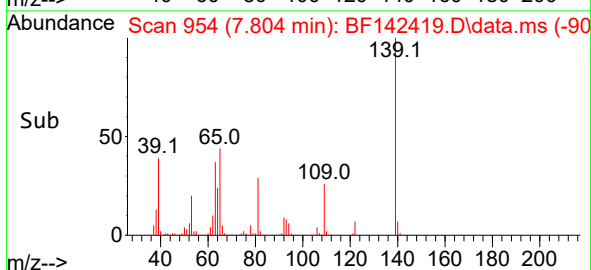
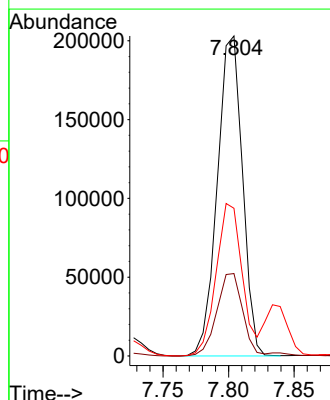
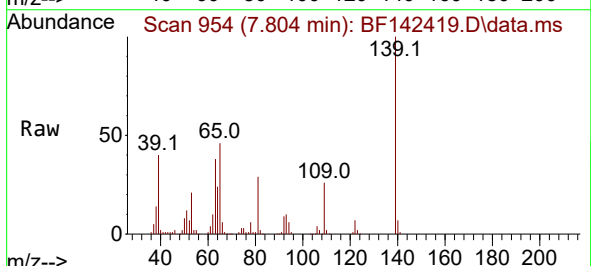
Manual Integrations
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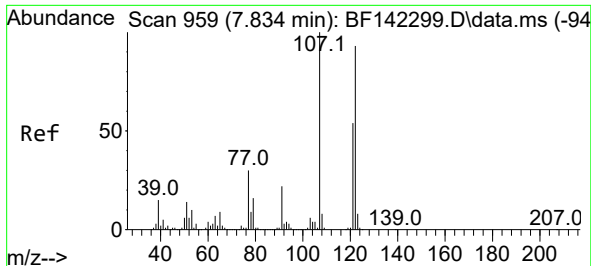
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#26
2-Nitrophenol
Concen: 53.328 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Tgt Ion:139 Resp: 270822
Ion Ratio Lower Upper
139 100
109 25.8 20.8 31.2
65 46.1 38.9 58.3





#27

2,4-Dimethylphenol

Concen: 43.930 ng

RT: 7.839 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF142419.D

Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS

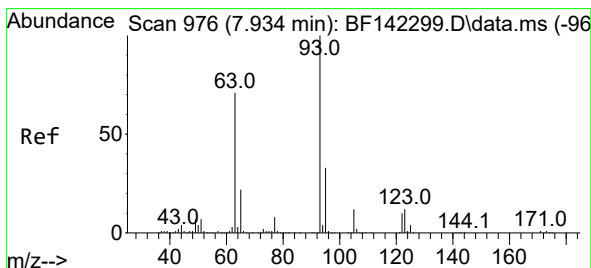
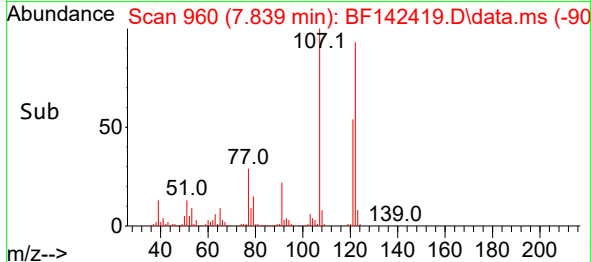
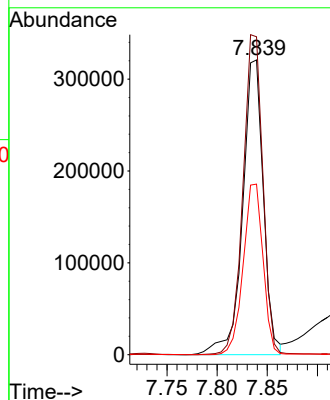
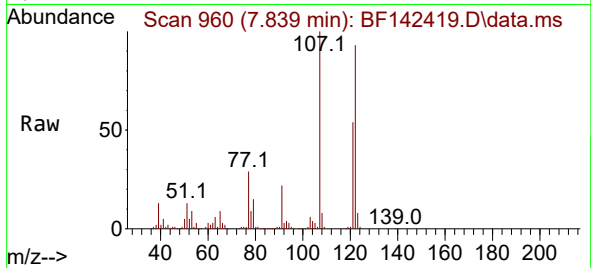
Tgt Ion:122 Resp: 463175
 Ion Ratio Lower Upper
 122 100
 107 107.8 86.0 129.0
 121 57.9 46.2 69.4

Manual Integrations

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Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#28

bis(2-Chloroethoxy)methane

Concen: 41.461 ng

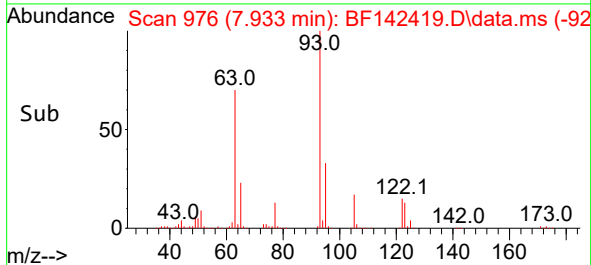
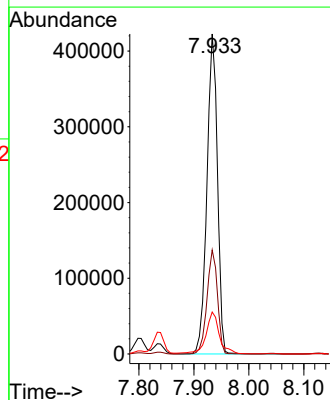
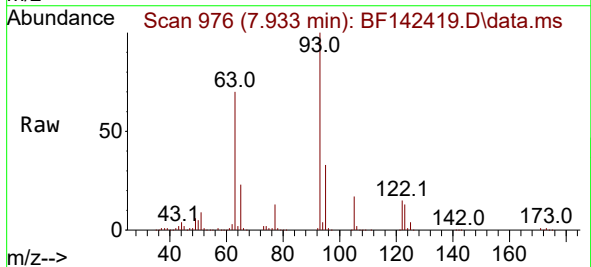
RT: 7.933 min Scan# 976

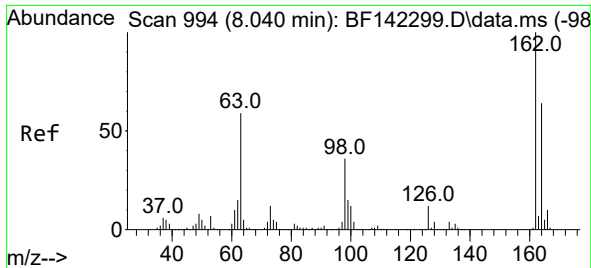
Delta R.T. -0.000 min

Lab File: BF142419.D

Acq: 16 May 2025 11:13

Tgt Ion: 93 Resp: 559083
 Ion Ratio Lower Upper
 93 100
 95 32.5 26.1 39.1
 123 13.1 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 46.877 ng

RT: 8.045 min Scan# 994

Delta R.T. 0.006 min

Lab File: BF142419.D

Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS

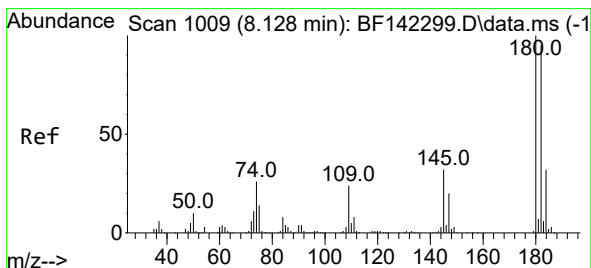
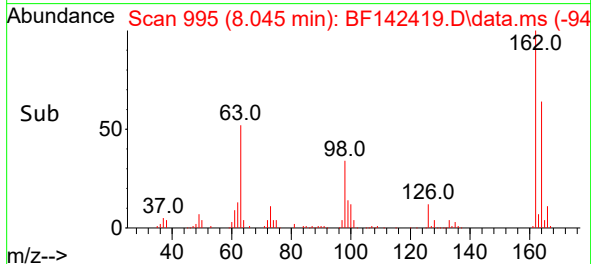
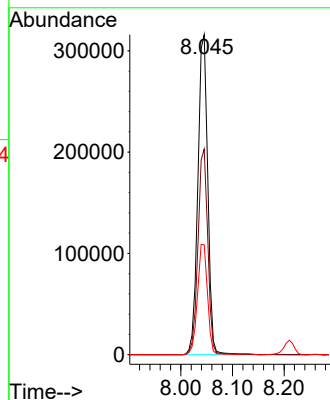
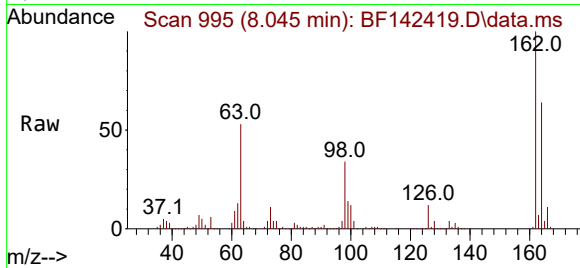
Tgt Ion:162 Resp: 420197
 Ion Ratio Lower Upper
 162 100
 164 64.2 43.6 83.6
 98 34.3 16.5 56.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#30

1,2,4-Trichlorobenzene

Concen: 43.506 ng

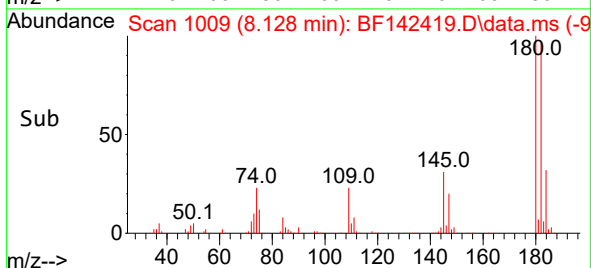
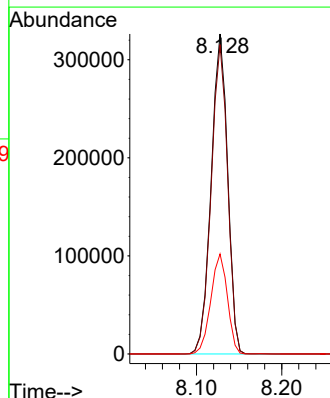
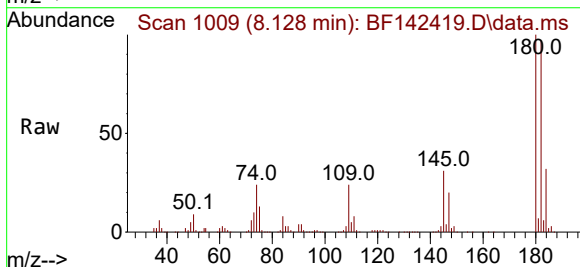
RT: 8.128 min Scan# 1009

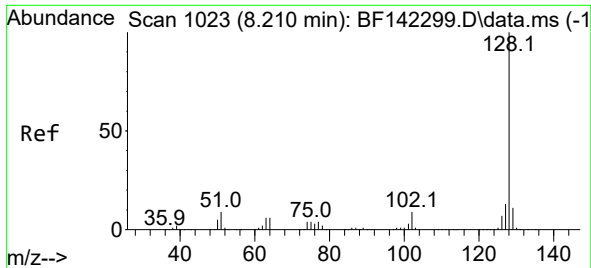
Delta R.T. -0.000 min

Lab File: BF142419.D

Acq: 16 May 2025 11:13

Tgt Ion:180 Resp: 438894
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.2 114.4
 145 31.3 25.8 38.6





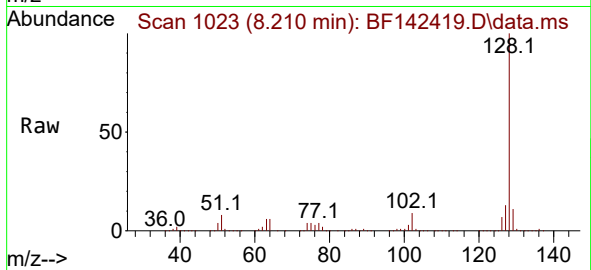
#31
Naphthalene
Concen: 42.509 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS



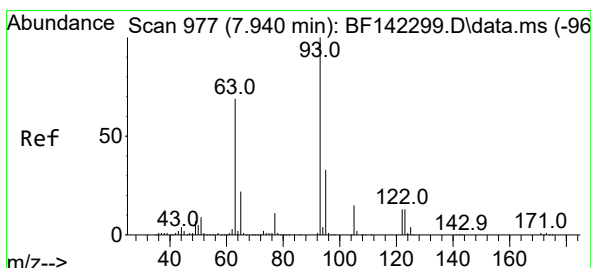
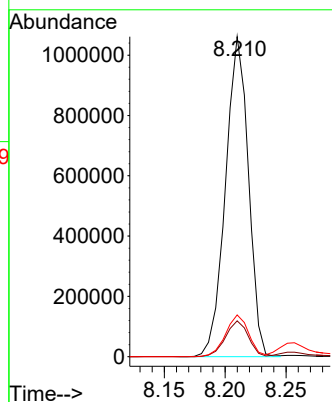
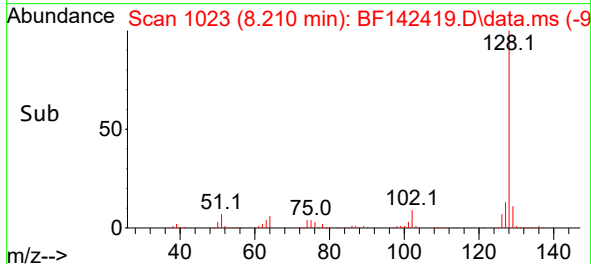
Tgt Ion:128 Resp: 139145
Ion Ratio Lower Upper
128 100
129 11.2 9.1 13.7
127 13.1 10.5 15.7

Manual Integrations

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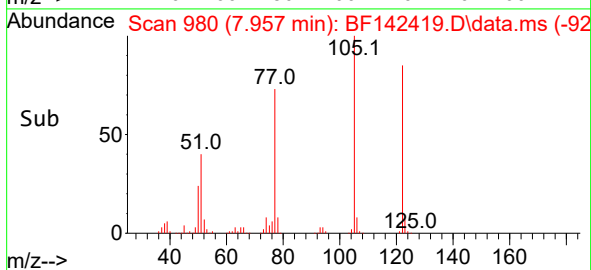
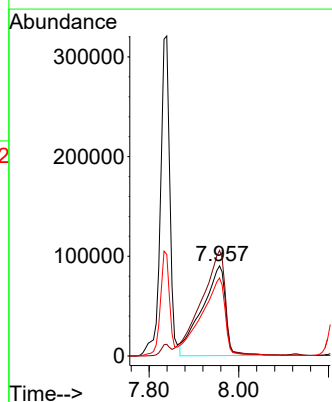
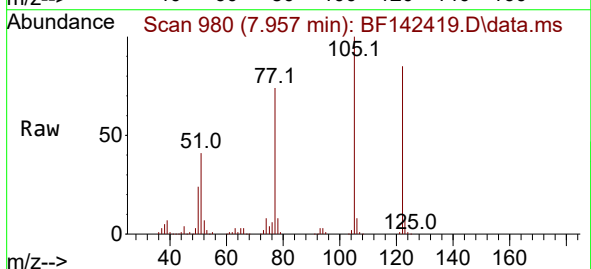
Reviewed By :Rahul Chavli 05/19/2025

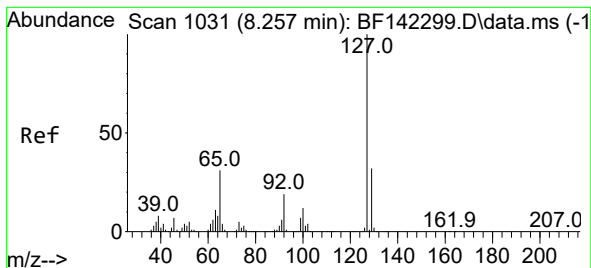
Supervised By :Jagrut Upadhyay 05/19/2025



#32
Benzoic acid
Concen: 55.302 ng
RT: 7.957 min Scan# 980
Delta R.T. 0.017 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Tgt Ion:122 Resp: 326773
Ion Ratio Lower Upper
122 100
105 117.2 97.9 137.9
77 86.4 67.7 107.7





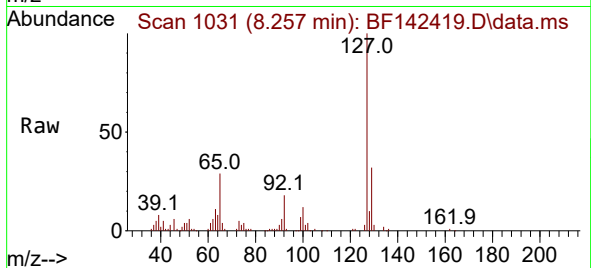
#33
4-Chloroaniline
Concen: 7.960 ng m
RT: 8.257 min Scan# 1031
Delta R.T. -0.010 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS



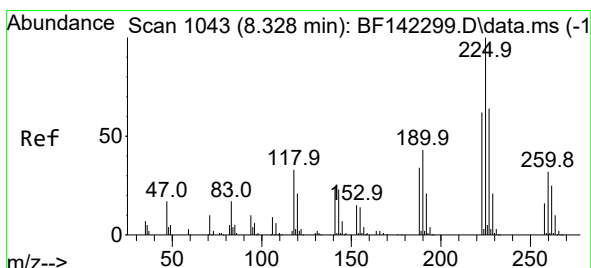
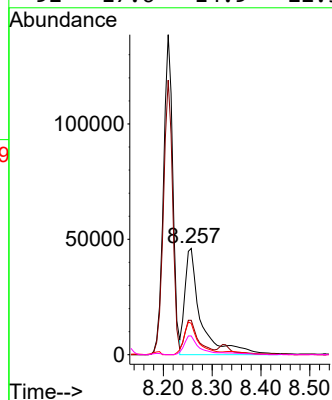
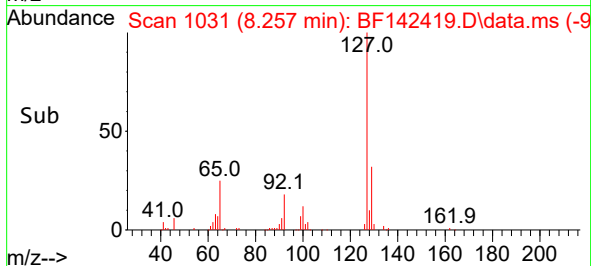
Tgt Ion:127 Resp: 10632
Ion Ratio Lower Upper
127 100
129 32.4 25.7 38.5
65 29.4 24.9 37.3
92 17.6 14.9 22.3

Manual Integrations

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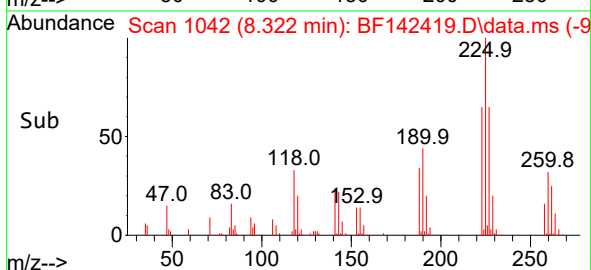
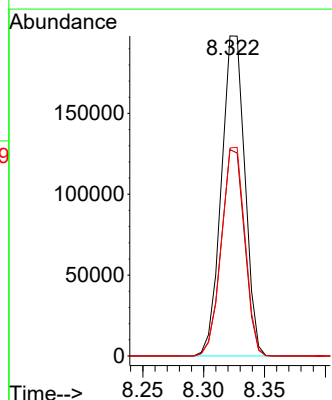
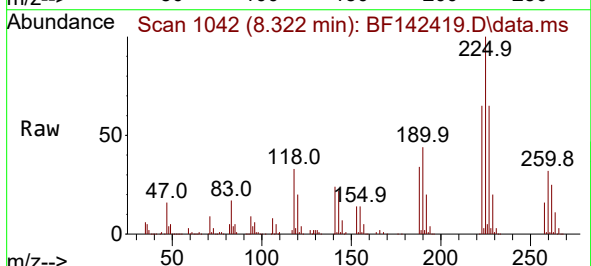
Reviewed By :Rahul Chavli 05/19/2025

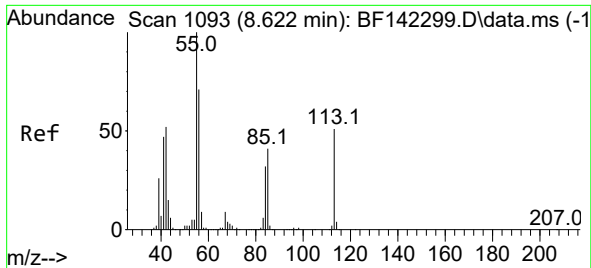
Supervised By :Jagrut Upadhyay 05/19/2025



#34
Hexachlorobutadiene
Concen: 44.453 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

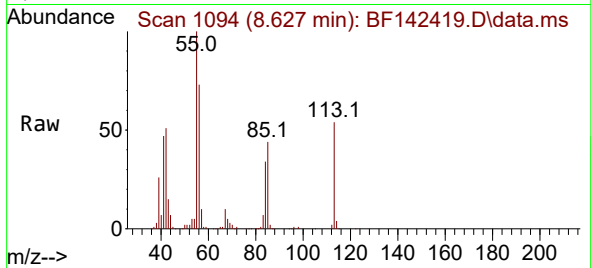
Tgt Ion:225 Resp: 265544
Ion Ratio Lower Upper
225 100
223 64.5 49.8 74.6
227 65.0 50.9 76.3





#35
Caprolactam
Concen: 50.315 ng m
RT: 8.627 min Scan# 1093
Delta R.T. 0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

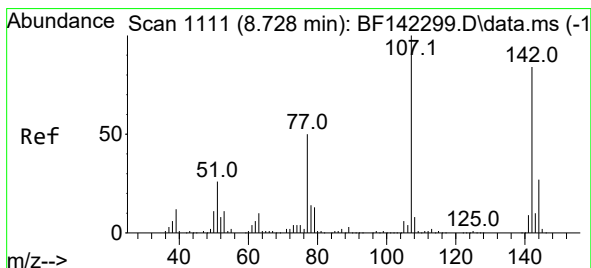
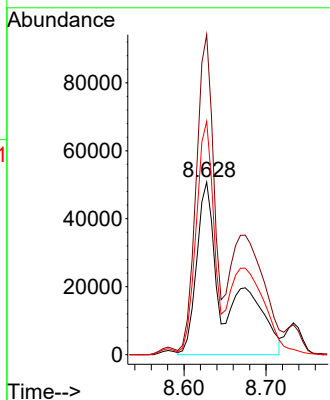
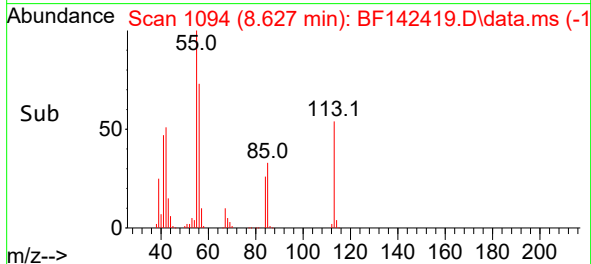
Instrument :
BNA_F
ClientSampleId :
PB167953BS



Tgt Ion:113 Resp: 13144
Ion Ratio Lower Upper
113 100
55 185.3 176.4 216.4
56 135.0 120.3 160.3

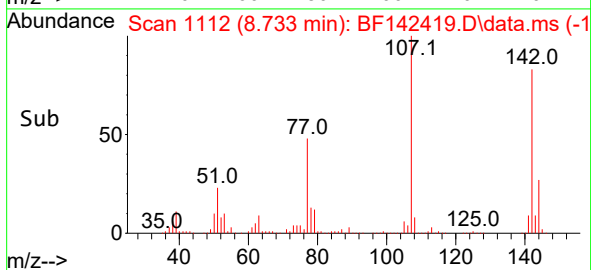
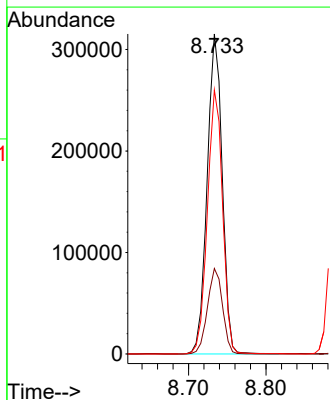
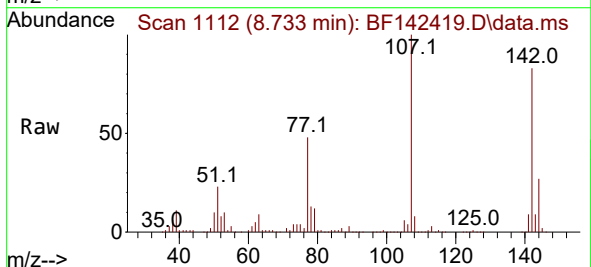
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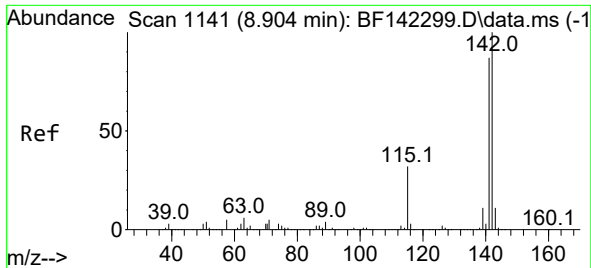
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#36
4-Chloro-3-methylphenol
Concen: 45.687 ng
RT: 8.733 min Scan# 1112
Delta R.T. 0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Tgt Ion:107 Resp: 425708
Ion Ratio Lower Upper
107 100
144 26.7 21.3 31.9
142 82.5 66.9 100.3





#37
2-Methylnaphthalene
Concen: 43.042 ng
RT: 8.898 min Scan# 1141
Delta R.T. -0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

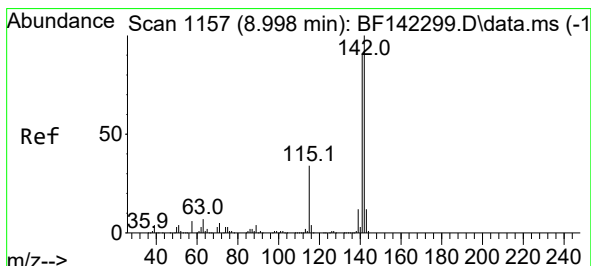
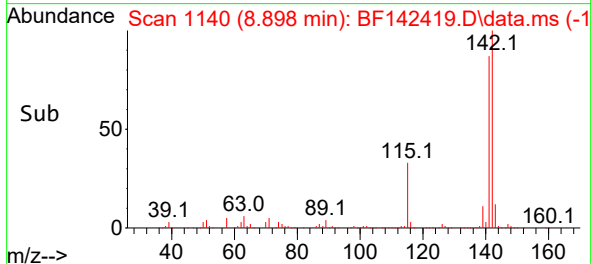
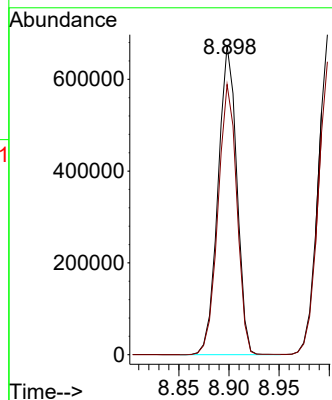
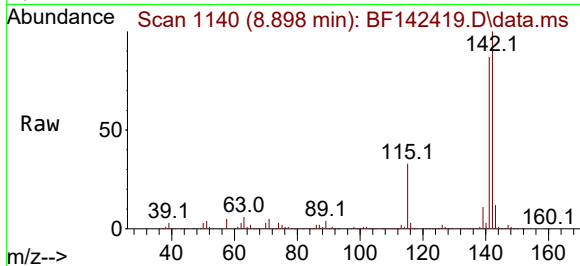
PB167953BS

Tgt Ion:142 Resp: 87546
Ion Ratio Lower Upper
142 100
141 87.4 69.4 104.2

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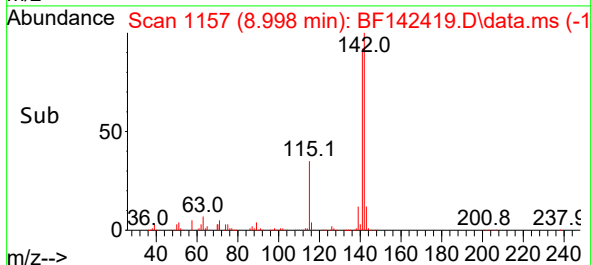
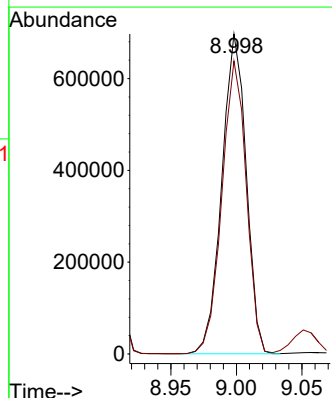
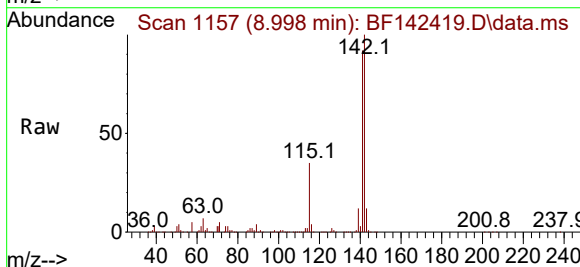
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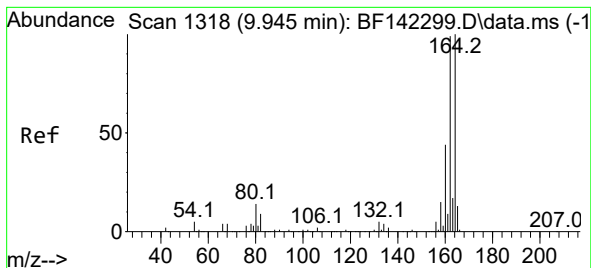
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#38
1-Methylnaphthalene
Concen: 42.437 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Tgt Ion:142 Resp: 899635
Ion Ratio Lower Upper
142 100
141 91.6 72.5 108.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.945 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142419.D

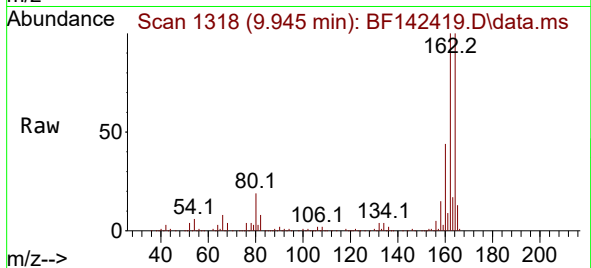
Acq: 16 May 2025 11:13

Instrument :

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ClientSampleId :

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Tgt Ion:164 Resp: 366560

Ion Ratio Lower Upper

164 100

162 99.7 79.2 118.8

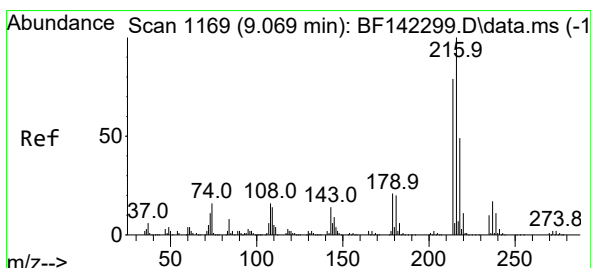
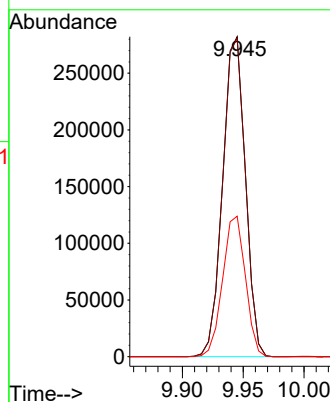
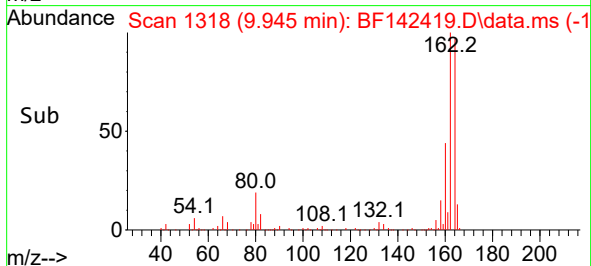
160 43.9 35.3 52.9

Manual Integrations

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Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.775 ng

RT: 9.069 min Scan# 1169

Delta R.T. -0.000 min

Lab File: BF142419.D

Acq: 16 May 2025 11:13

Tgt Ion:216 Resp: 437922

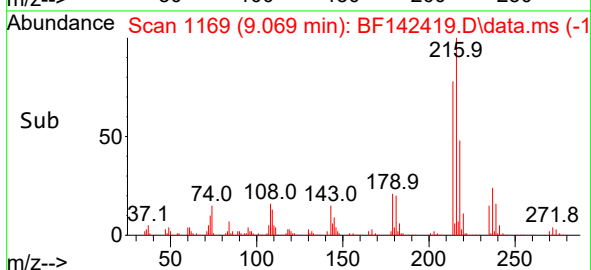
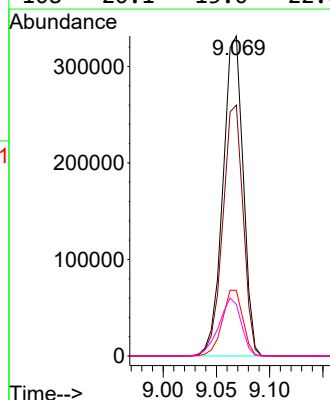
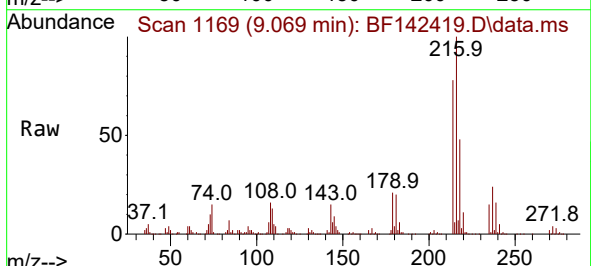
Ion Ratio Lower Upper

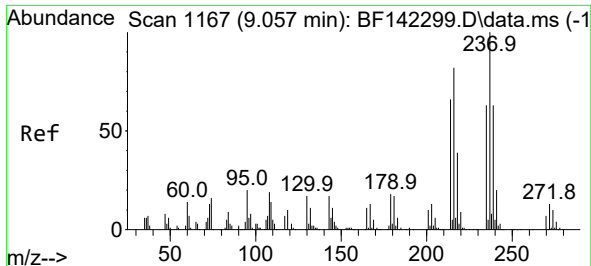
216 100

214 78.7 63.8 95.6

179 20.9 17.0 25.6

108 20.1 15.0 22.6





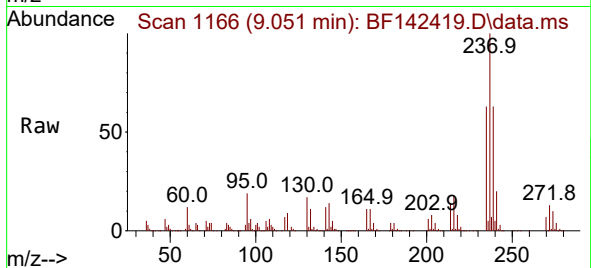
#41
Hexachlorocyclopentadiene
Concen: 95.256 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS



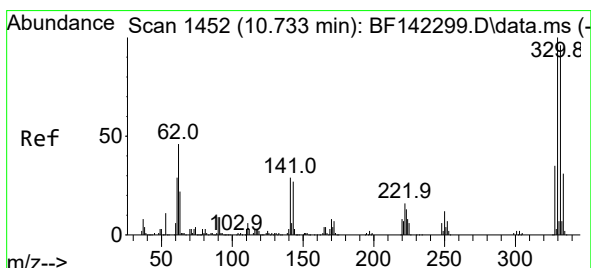
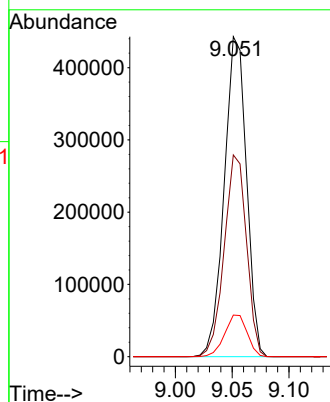
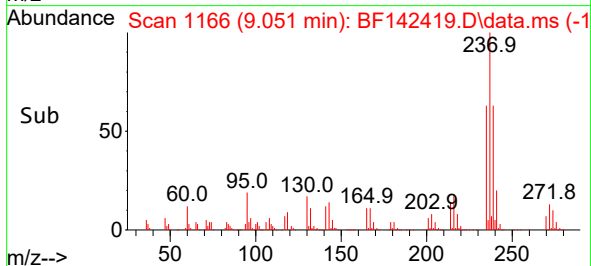
Tgt Ion:237 Resp: 602700
Ion Ratio Lower Upper
237 100
235 63.0 42.8 82.8
272 13.0 0.0 33.0

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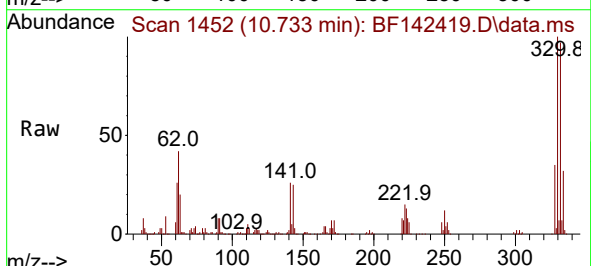
APPROVED

Reviewed By :Rahul Chavli 05/19/2025

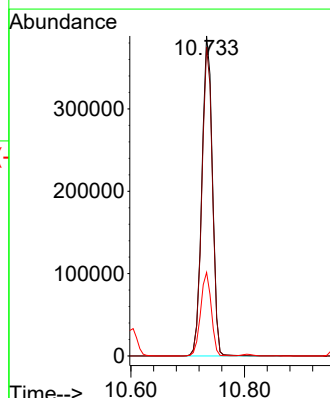
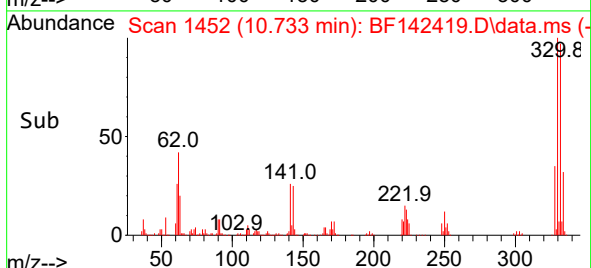
Supervised By :Jagrut Upadhyay 05/19/2025

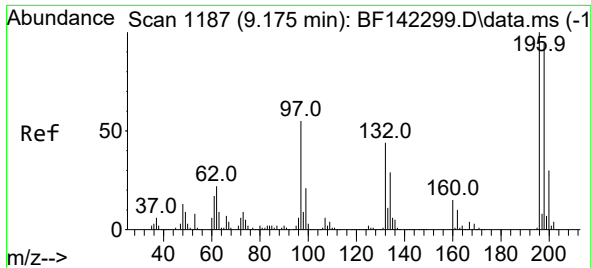


#42
2,4,6-Tribromophenol
Concen: 141.416 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



Tgt Ion:330 Resp: 500490
Ion Ratio Lower Upper
330 100
332 96.6 76.8 115.2
141 26.4 24.9 37.3





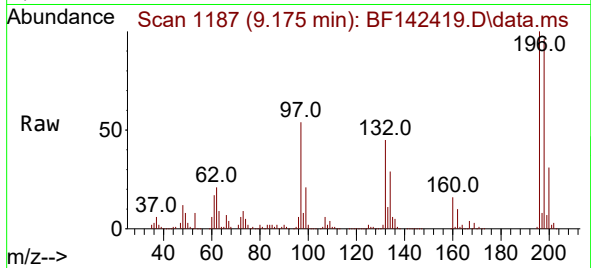
#43
2,4,6-Trichlorophenol
Concen: 47.587 ng
RT: 9.175 min Scan# 1187
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS



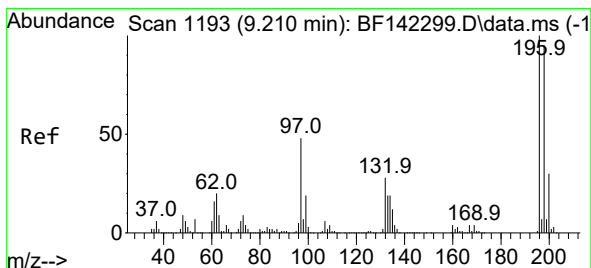
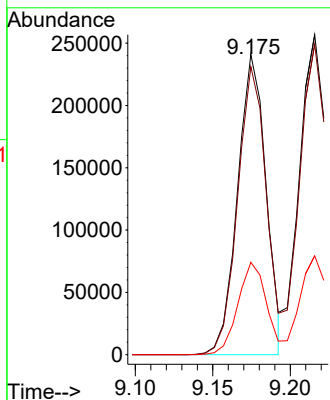
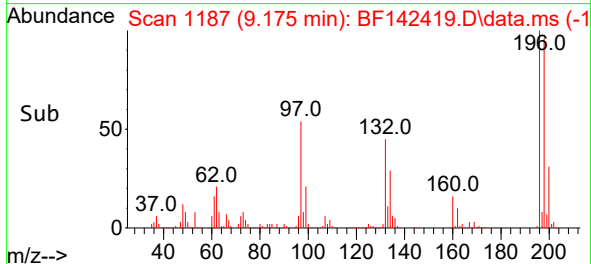
Tgt Ion:196 Resp: 30730
Ion Ratio Lower Upper
196 100
198 95.9 75.4 113.0
200 30.7 24.3 36.5

Manual Integrations

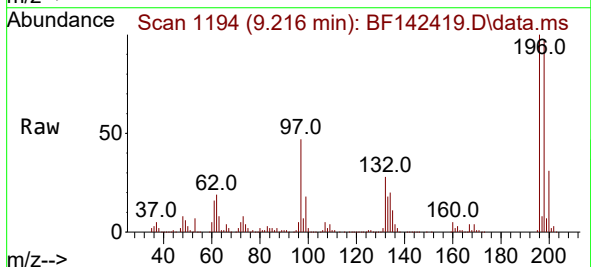
APPROVED

Reviewed By :Rahul Chavli 05/19/2025

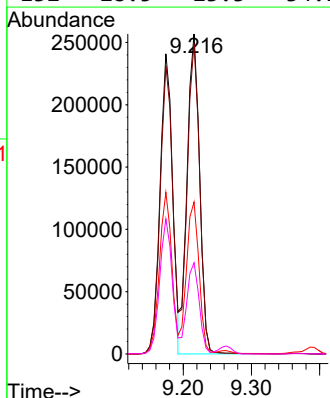
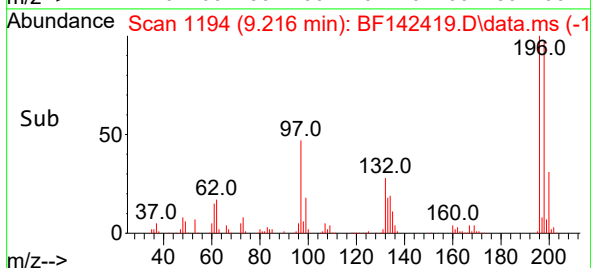
Supervised By :Jagrut Upadhyay 05/19/2025

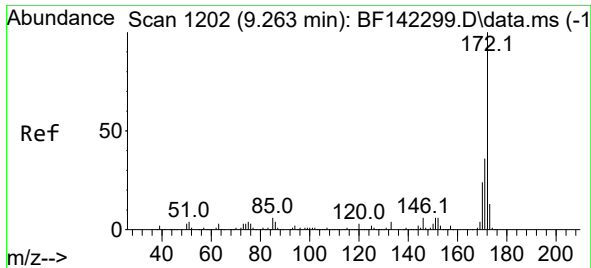


#44
2,4,5-Trichlorophenol
Concen: 47.278 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



Tgt Ion:196 Resp: 324851
Ion Ratio Lower Upper
196 100
198 97.1 76.1 114.1
97 47.5 39.0 58.4
132 28.5 23.3 34.9





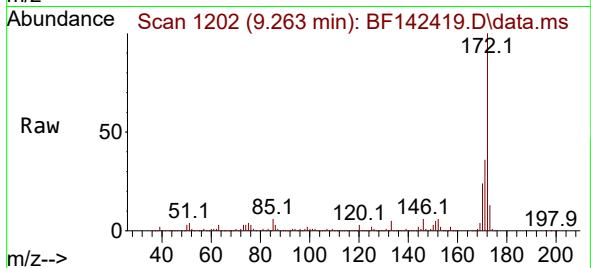
#45
2-Fluorobiphenyl
Concen: 73.396 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS



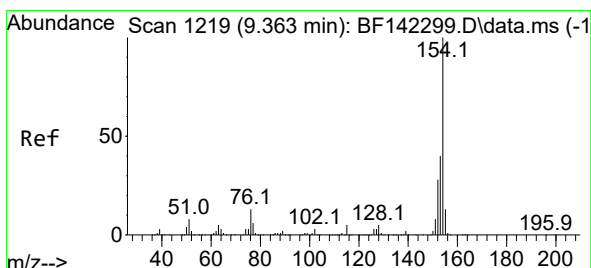
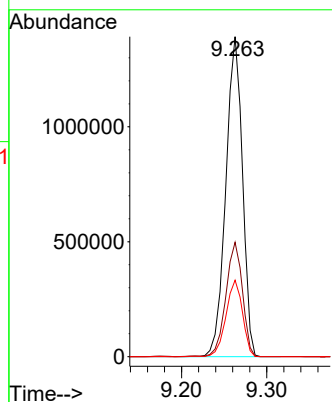
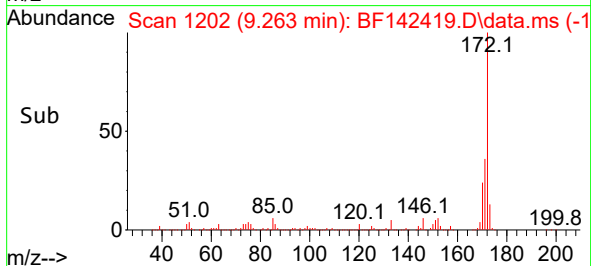
Tgt Ion:172 Resp: 1886869
Ion Ratio Lower Upper
172 100
171 35.7 28.6 42.8
170 23.9 19.0 28.4

Manual Integrations

APPROVED

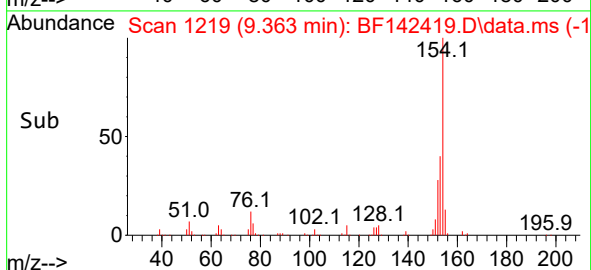
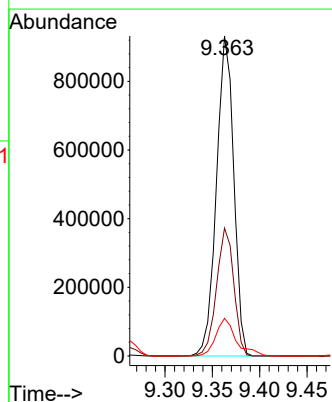
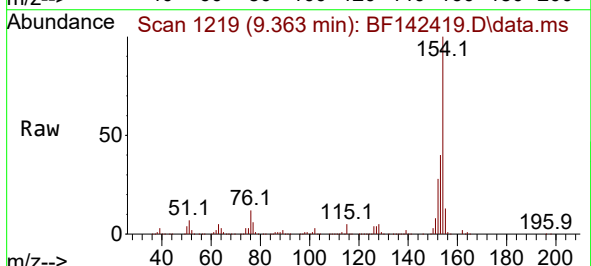
Reviewed By :Rahul Chavli 05/19/2025

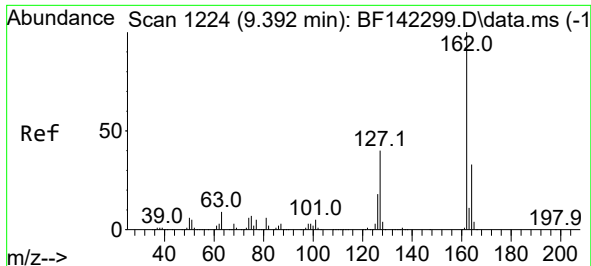
Supervised By :Jagrut Upadhyay 05/19/2025



#46
1,1'-Biphenyl
Concen: 42.106 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Tgt Ion:154 Resp: 1183448
Ion Ratio Lower Upper
154 100
153 40.0 20.5 60.5
76 11.8 0.0 32.8





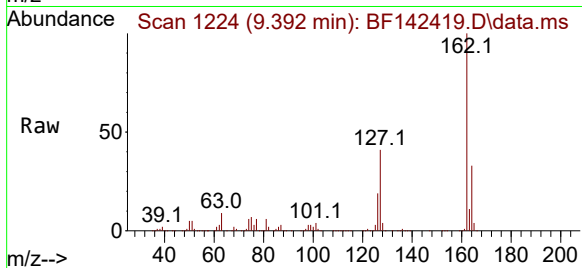
#47
2-Chloronaphthalene
Concen: 41.973 ng
RT: 9.392 min Scan# 1224
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS

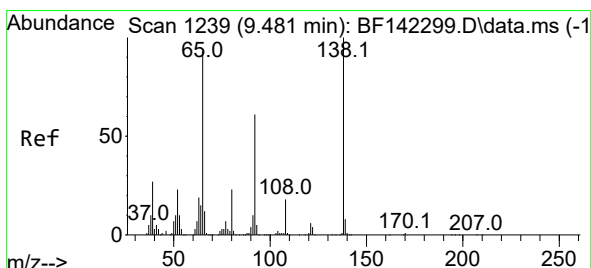
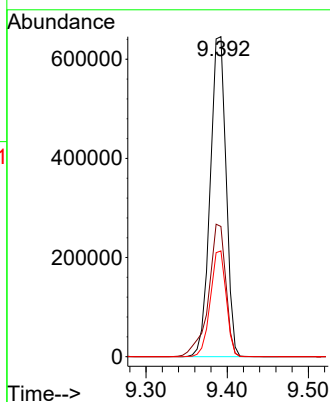
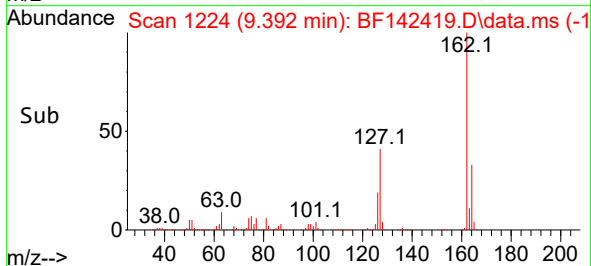


Tgt Ion:162 Resp: 877304
Ion Ratio Lower Upper
162 100
127 40.7 32.3 48.5
164 33.0 26.6 40.0

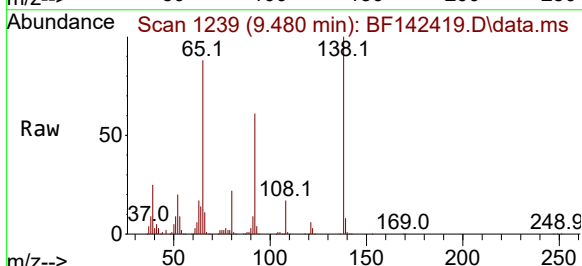
Manual Integrations

APPROVED

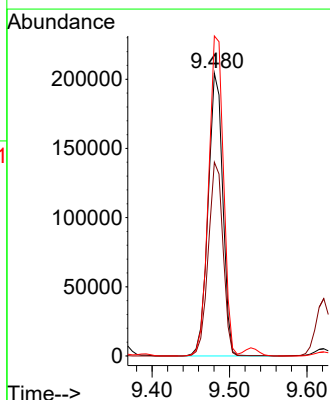
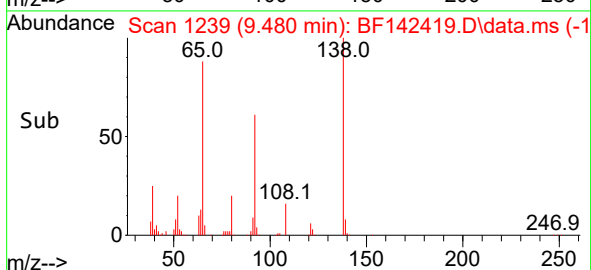
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

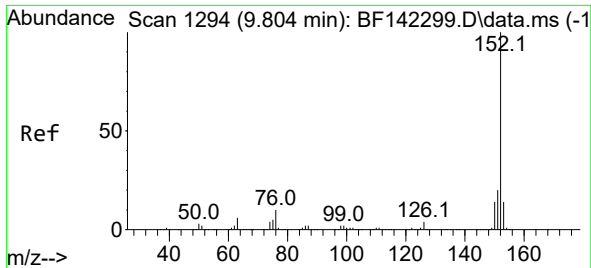


#48
2-Nitroaniline
Concen: 50.072 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



Tgt Ion: 65 Resp: 268263
Ion Ratio Lower Upper
65 100
92 68.5 52.3 78.5
138 113.2 85.6 128.4





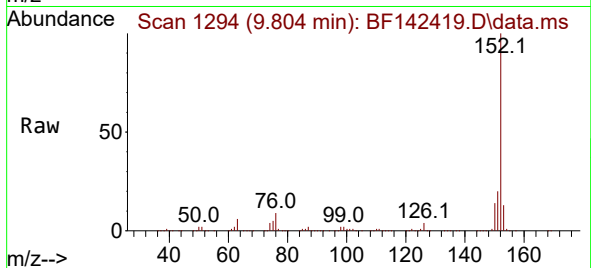
#49
Acenaphthylene
Concen: 42.263 ng
RT: 9.804 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS



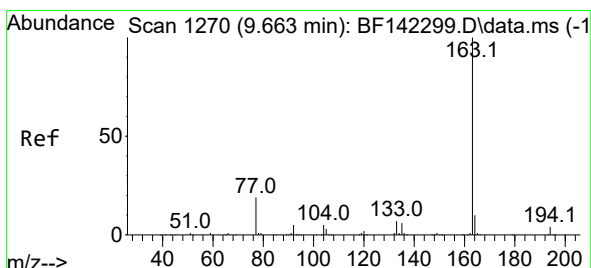
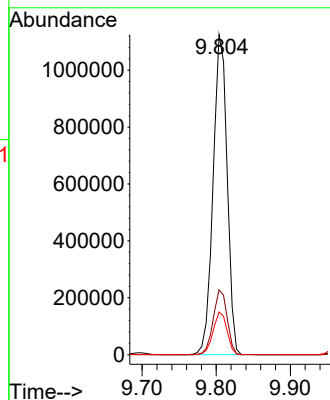
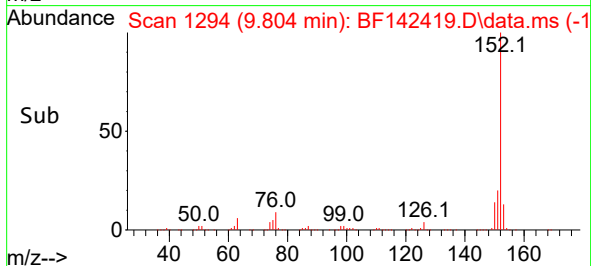
Tgt Ion:152 Resp: 1477785
Ion Ratio Lower Upper
152 100
151 20.3 16.0 24.0
153 13.3 10.8 16.2

Manual Integrations

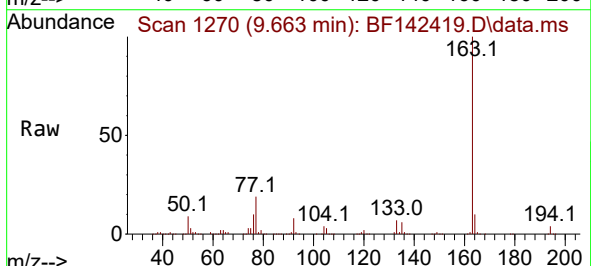
APPROVED

Reviewed By :Rahul Chavli 05/19/2025

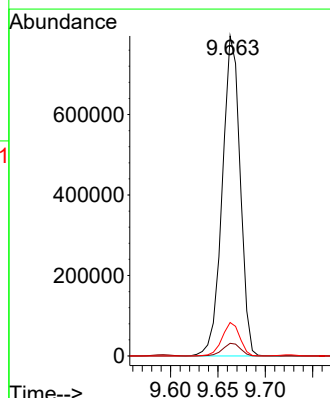
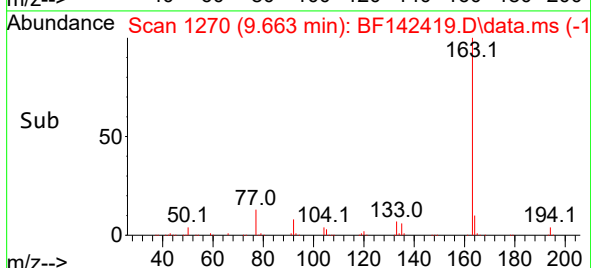
Supervised By :Jagrut Upadhyay 05/19/2025

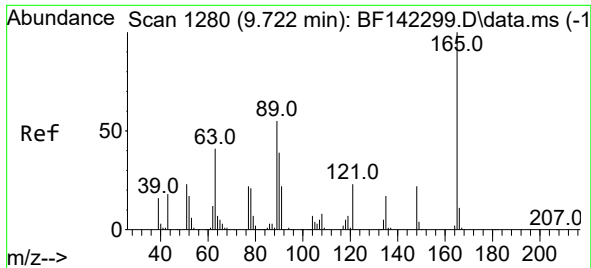


#50
Dimethylphthalate
Concen: 44.423 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



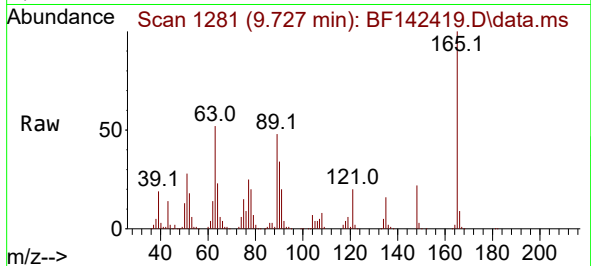
Tgt Ion:163 Resp: 1045636
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 10.4 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 52.326 ng
RT: 9.727 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

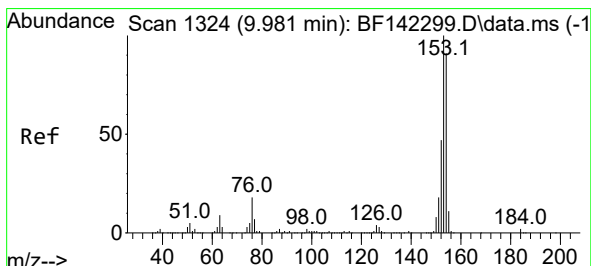
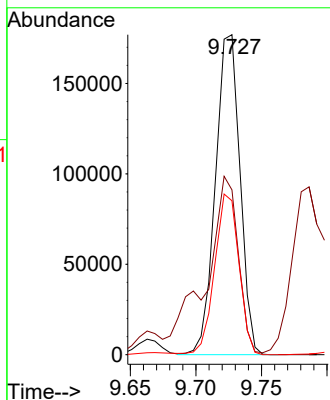
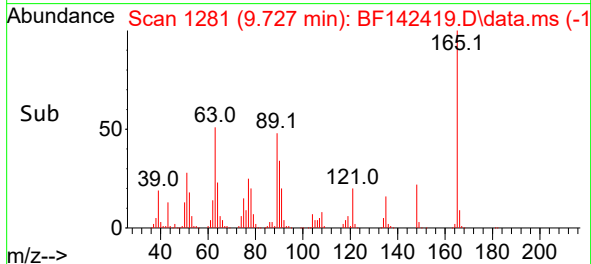
Instrument :
BNA_F
ClientSampleId :
PB167953BS



Tgt Ion:165 Resp: 230549
Ion Ratio Lower Upper
165 100
63 51.5 49.5 74.3
89 48.1 44.6 66.8

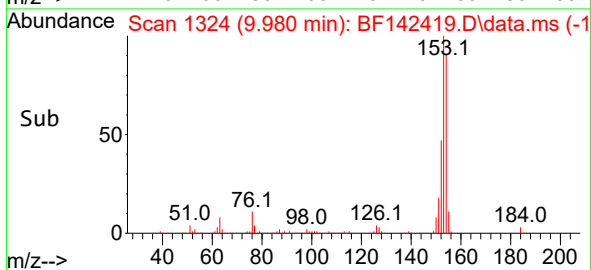
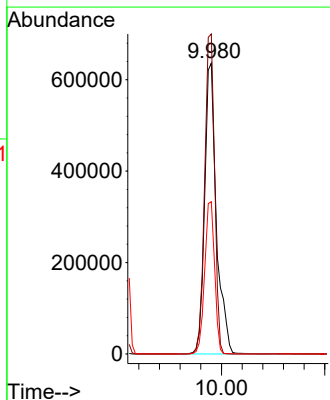
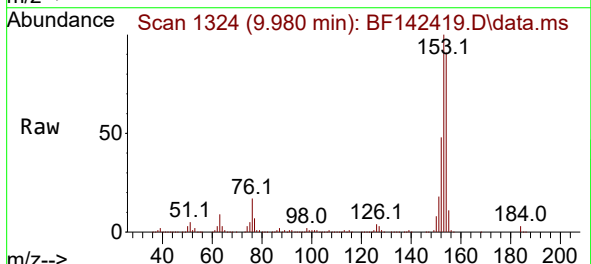
Manual Integrations
APPROVED

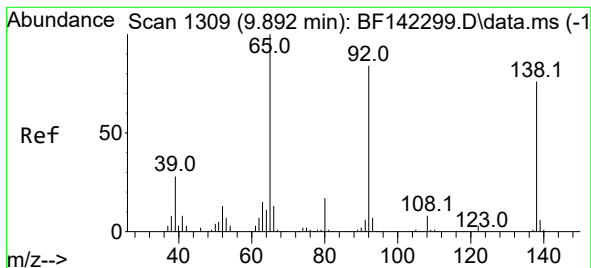
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#52
Acenaphthene
Concen: 47.949 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Tgt Ion:154 Resp: 1008110
Ion Ratio Lower Upper
154 100
153 110.0 88.0 132.0
152 52.4 41.6 62.4





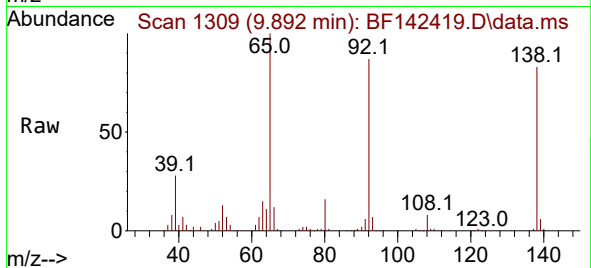
#53
3-Nitroaniline
Concen: 25.264 ng
RT: 9.892 min Scan# 1309
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS



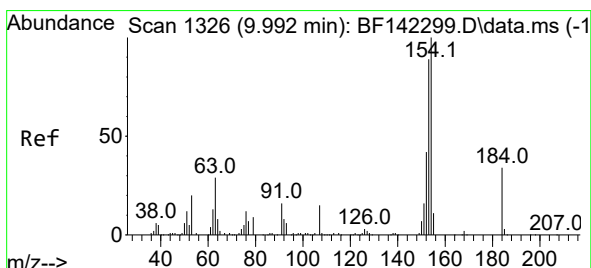
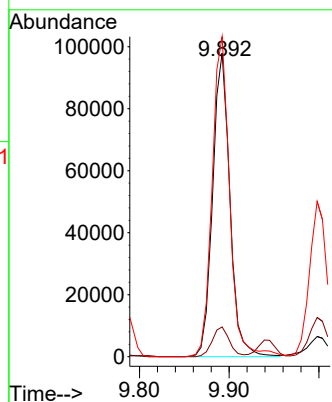
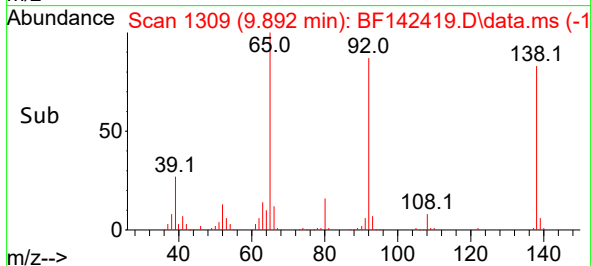
Tgt Ion:138 Resp: 130548
Ion Ratio Lower Upper
138 100
108 9.8 8.7 13.1
92 105.4 89.5 134.3

Manual Integrations

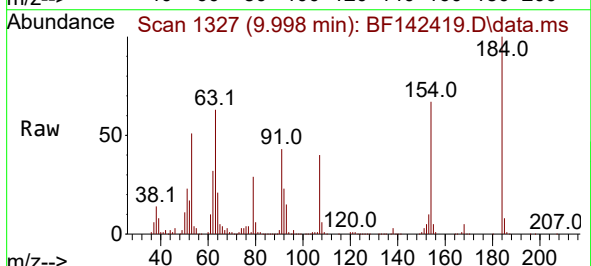
APPROVED

Reviewed By :Rahul Chavli 05/19/2025

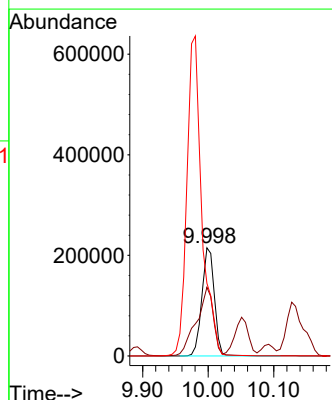
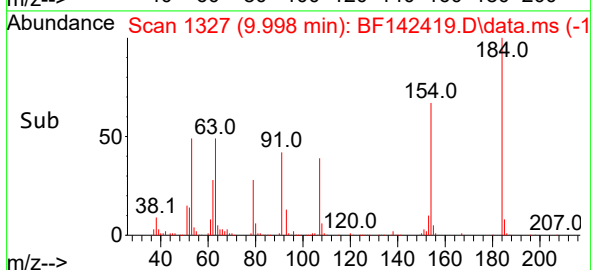
Supervised By :Jagrut Upadhyay 05/19/2025

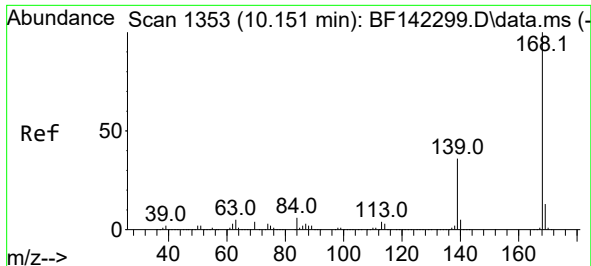


#54
2,4-Dinitrophenol
Concen: 120.101 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



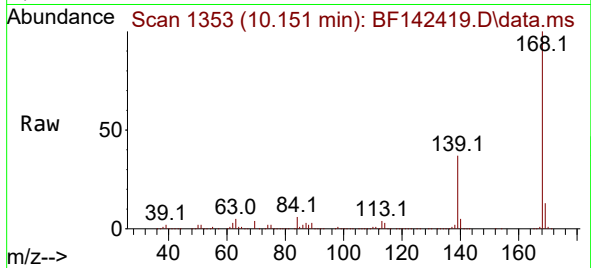
Tgt Ion:184 Resp: 286628
Ion Ratio Lower Upper
184 100
63 63.5 70.6 105.8#
154 67.2 257.2 385.8#





#55
Dibenzenofuran
Concen: 41.879 ng
RT: 10.151 min Scan# 1353
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

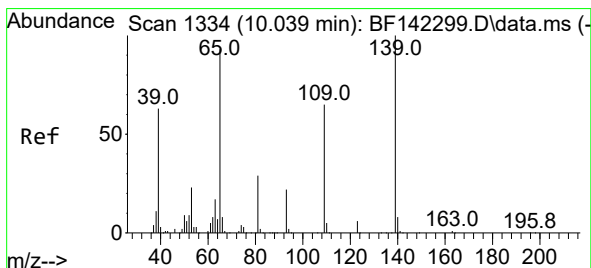
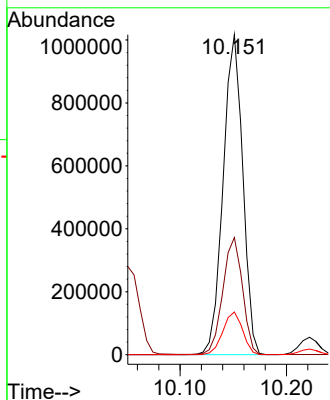
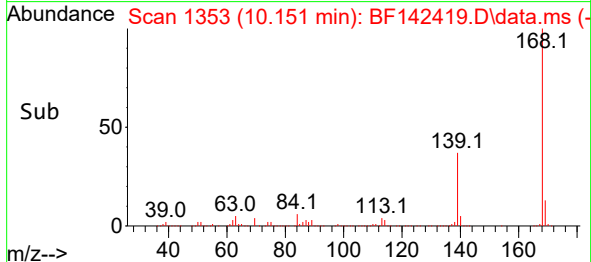
Instrument :
BNA_F
ClientSampleId :
PB167953BS



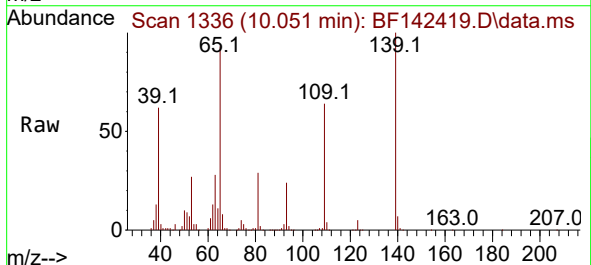
Tgt Ion:168 Resp: 1299450
Ion Ratio Lower Upper
168 100
139 36.6 29.0 43.4
169 13.4 10.7 16.1

Manual Integrations
APPROVED

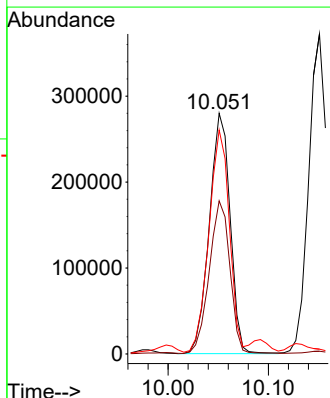
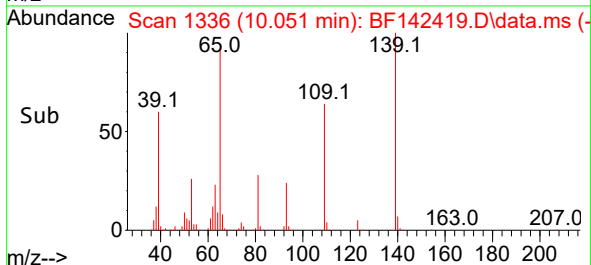
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

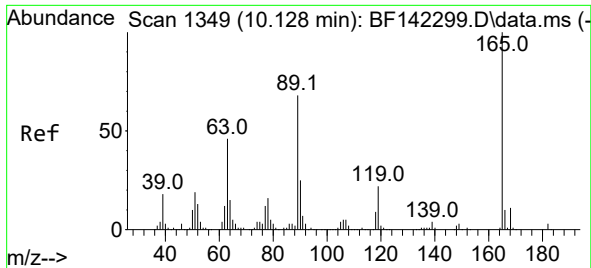


#56
4-Nitrophenol
Concen: 103.592 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.012 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



Tgt Ion:139 Resp: 402874
Ion Ratio Lower Upper
139 100
109 63.6 45.3 85.3
65 93.1 73.9 113.9





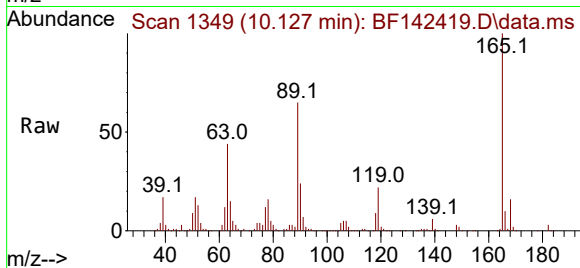
#57
2,4-Dinitrotoluene
Concen: 56.507 ng
RT: 10.127 min Scan# 1349
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS



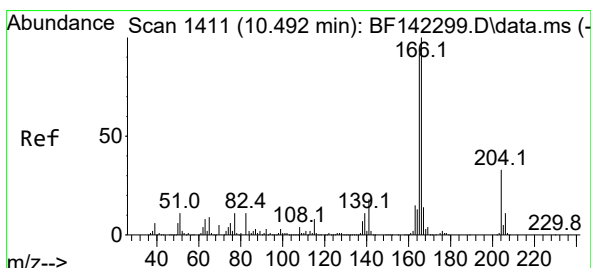
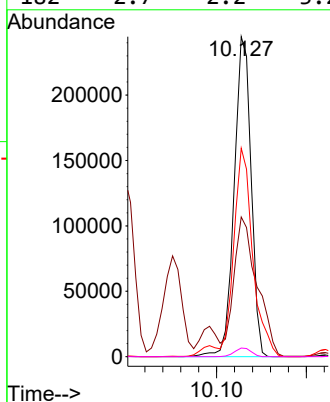
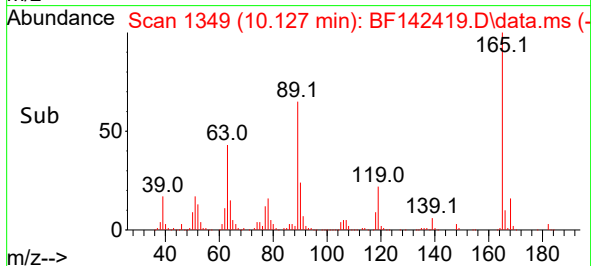
Tgt Ion:165 Resp: 319350
Ion Ratio Lower Upper
165 100
63 43.7 37.1 55.7
89 65.2 54.4 81.6
182 2.7 2.2 3.2

Manual Integrations

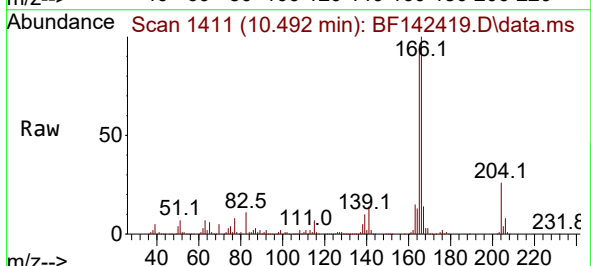
APPROVED

Reviewed By :Rahul Chavli 05/19/2025

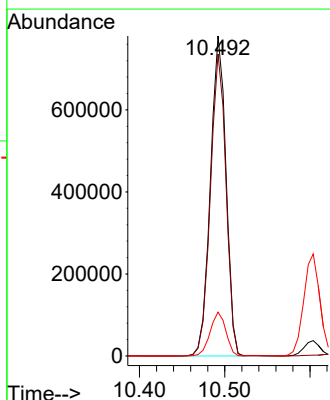
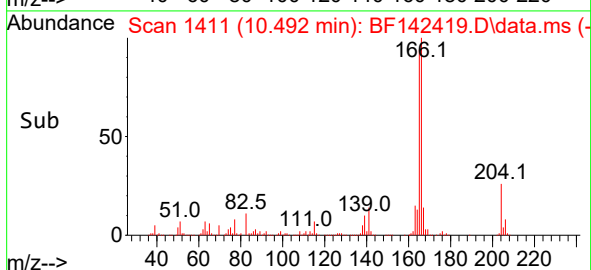
Supervised By :Jagrut Upadhyay 05/19/2025

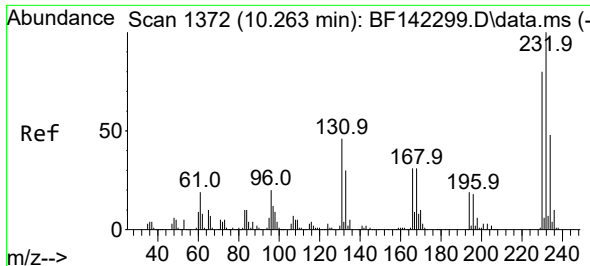


#58
Fluorene
Concen: 41.911 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



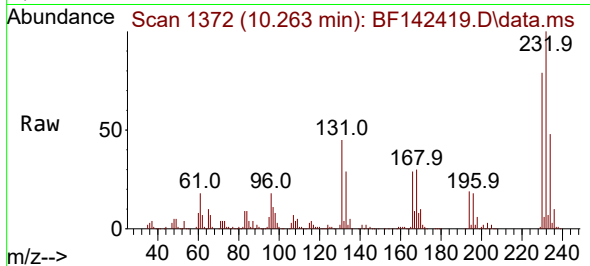
Tgt Ion:166 Resp: 992432
Ion Ratio Lower Upper
166 100
165 94.3 74.0 111.0
167 13.7 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 48.943 ng
RT: 10.263 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

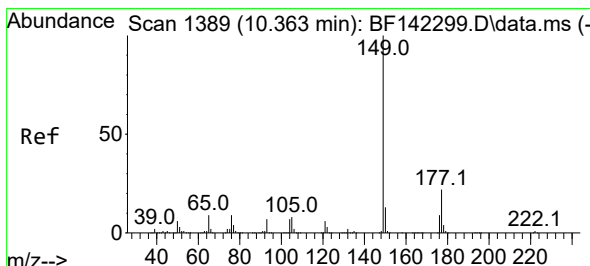
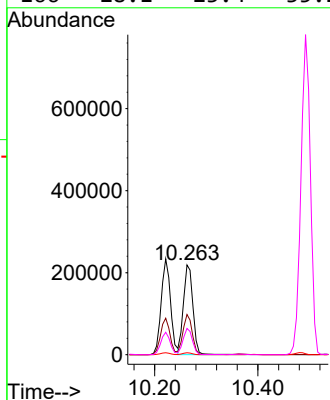
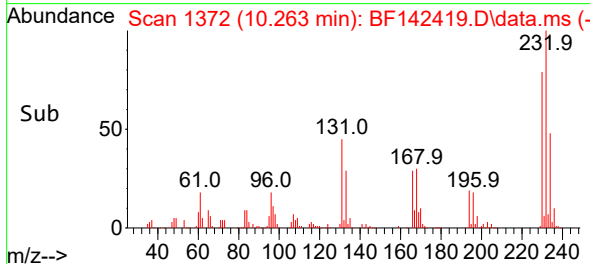
Instrument :
BNA_F
ClientSampleId :
PB167953BS



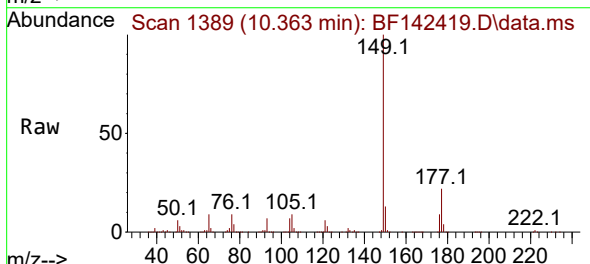
Tgt Ion:232 Resp: 277612
Ion Ratio Lower Upper
232 100
131 44.5 36.0 54.0
130 2.2 1.8 2.6
166 28.1 23.4 35.2

Manual Integrations
APPROVED

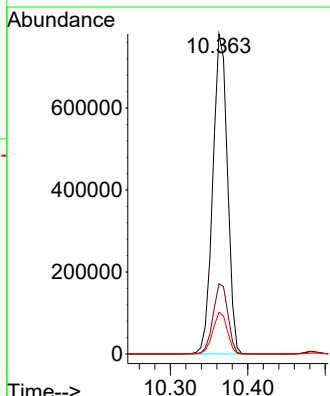
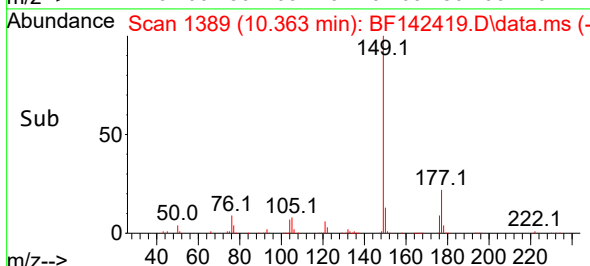
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

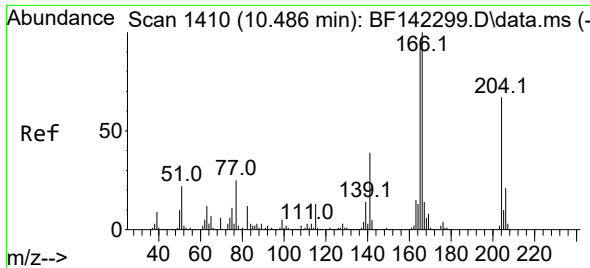


#60
Diethylphthalate
Concen: 43.520 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



Tgt Ion:149 Resp: 1022998
Ion Ratio Lower Upper
149 100
177 22.0 17.6 26.4
150 13.0 10.1 15.1





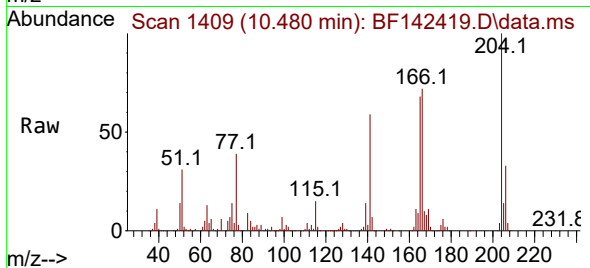
#61
4-Chlorophenyl-phenylether
Concen: 42.740 ng
RT: 10.480 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS

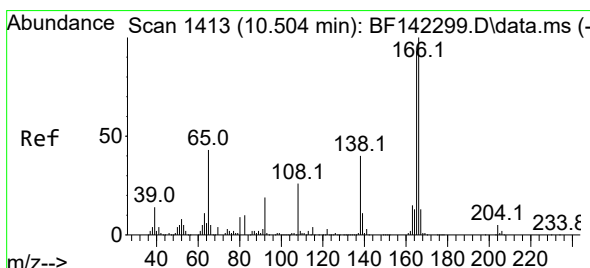
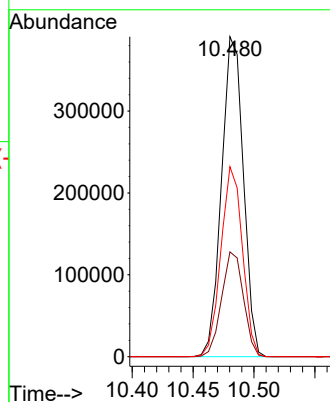
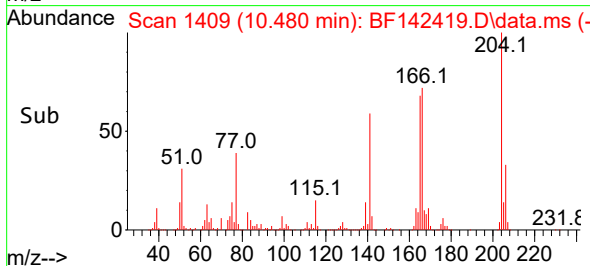


Tgt Ion:204 Resp: 48827
Ion Ratio Lower Upper
204 100
206 32.7 25.5 38.3
141 59.4 46.4 69.6

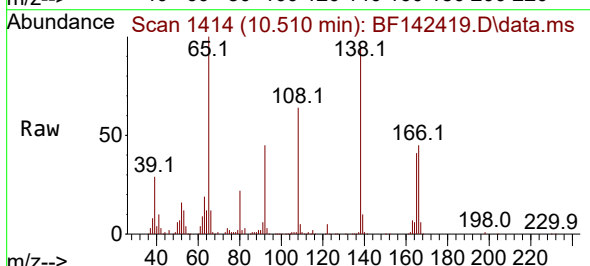
Manual Integrations

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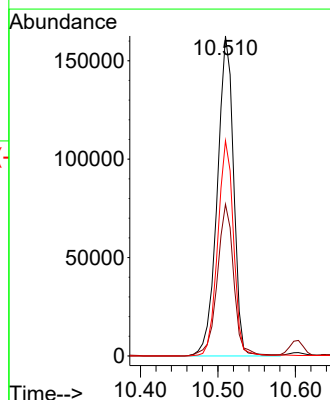
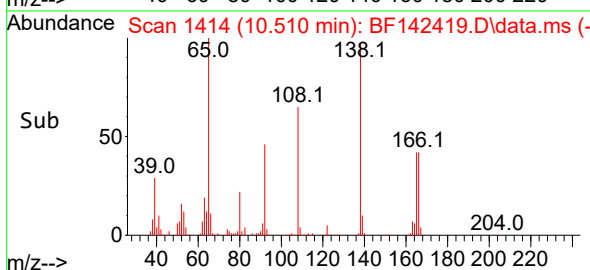
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

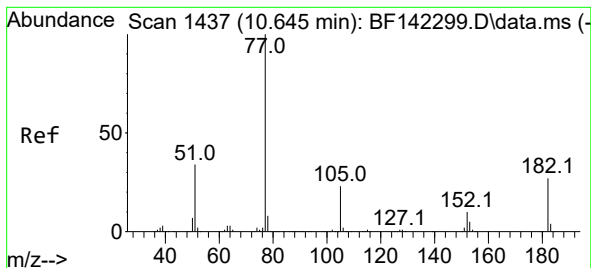


#62
4-Nitroaniline
Concen: 58.343 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



Tgt Ion:138 Resp: 238941
Ion Ratio Lower Upper
138 100
92 47.4 27.3 67.3
108 67.3 45.1 85.1





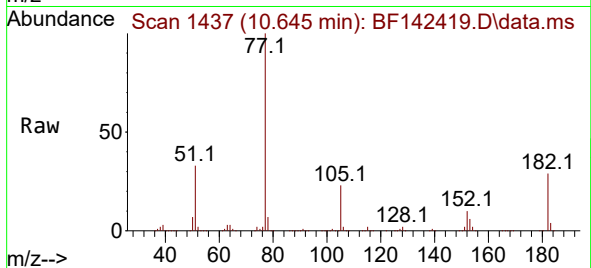
#63
Azobenzene
Concen: 40.950 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS



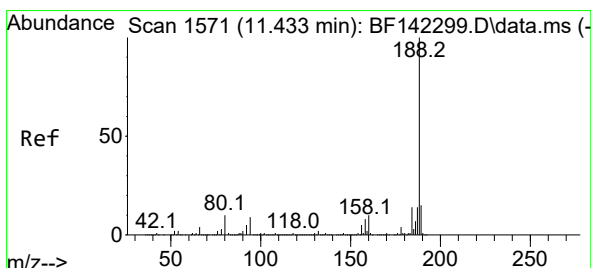
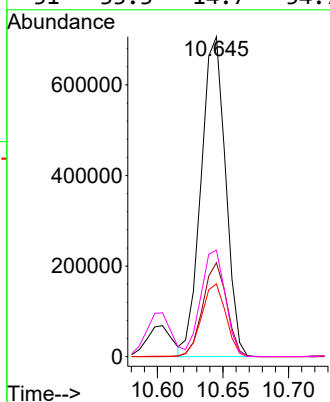
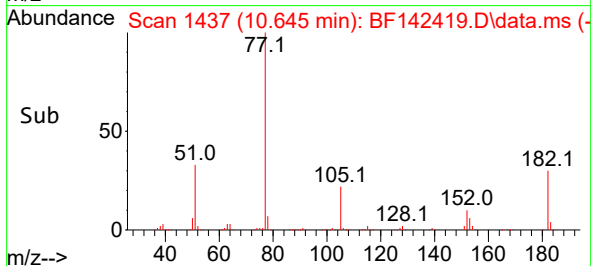
Tgt Ion: 77 Resp: 919830
Ion Ratio Lower Upper
77 100
182 29.4 6.9 46.9
105 22.7 2.7 42.7
51 33.3 14.7 54.7

Manual Integrations

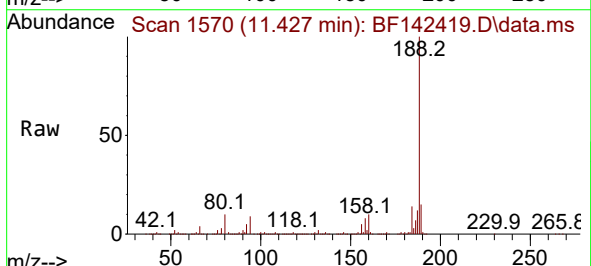
APPROVED

Reviewed By :Rahul Chavli 05/19/2025

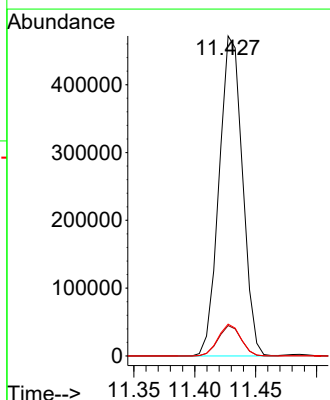
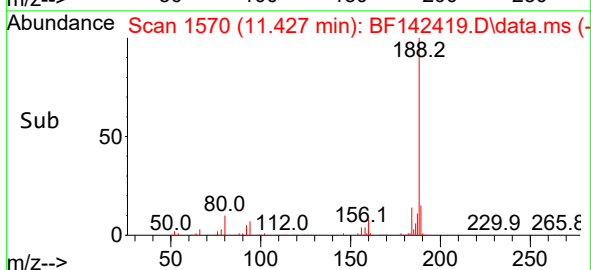
Supervised By :Jagrut Upadhyay 05/19/2025

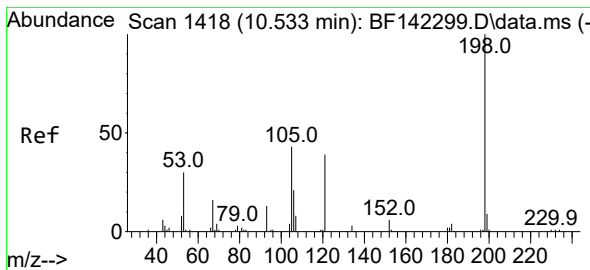


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



Tgt Ion:188 Resp: 630880
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 10.0 7.9 11.9





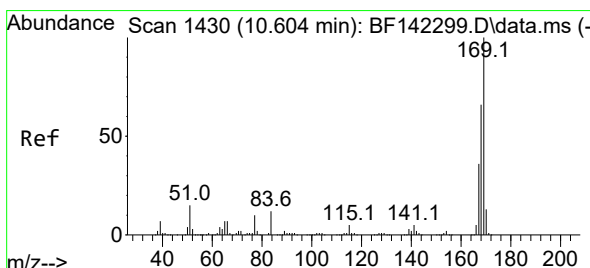
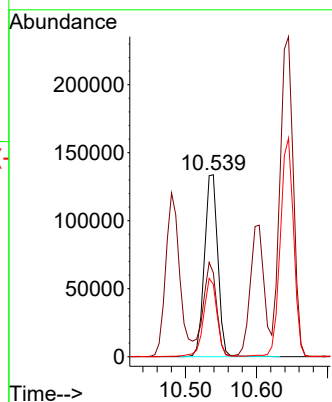
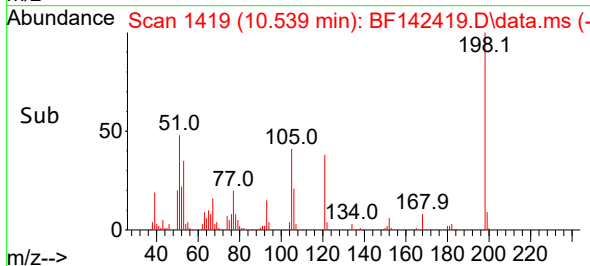
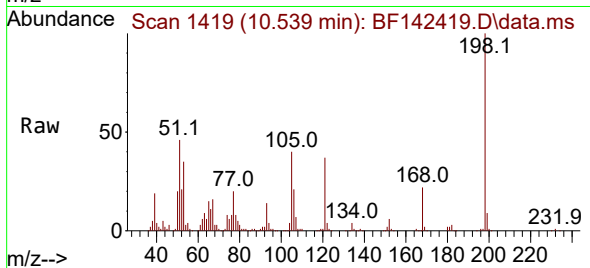
#65
4,6-Dinitro-2-methylphenol
Concen: 57.854 ng
RT: 10.539 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Instrument :
BNA_F
ClientSampleId :
PB167953BS

Tgt Ion:198 Resp: 17524
Ion Ratio Lower Upper
198 100
51 46.2 32.9 72.9
105 39.9 23.7 63.7

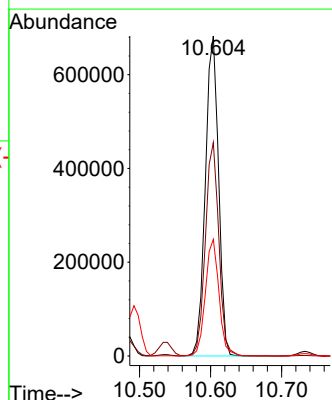
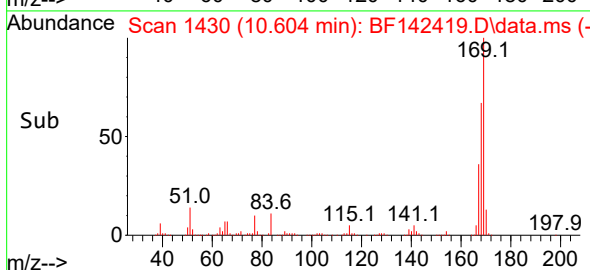
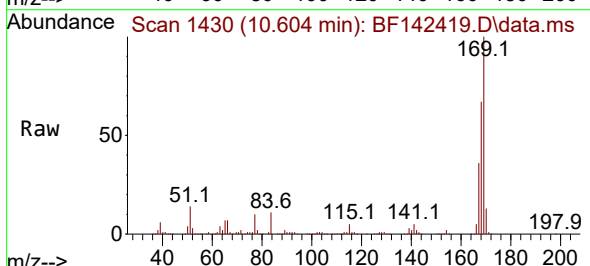
Manual Integrations
APPROVED

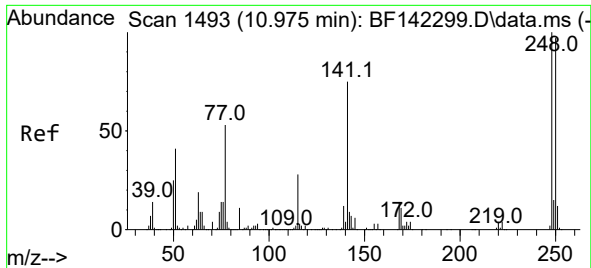
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#66
n-Nitrosodiphenylamine
Concen: 41.995 ng
RT: 10.604 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Tgt Ion:169 Resp: 881615
Ion Ratio Lower Upper
169 100
168 66.7 53.2 79.8
167 36.5 28.9 43.3





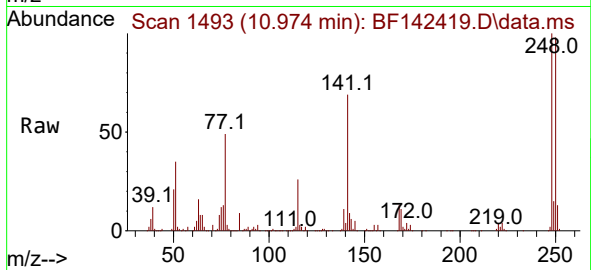
#67
4-Bromophenyl-phenylether
Concen: 43.808 ng
RT: 10.974 min Scan# 1493
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS



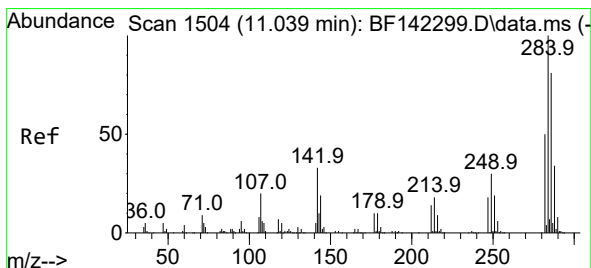
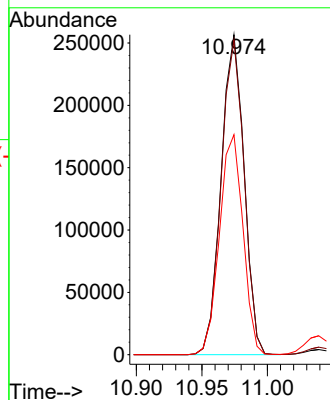
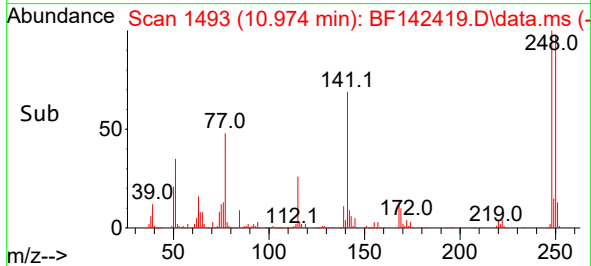
Tgt Ion:248 Resp: 313229
Ion Ratio Lower Upper
248 100
250 98.3 77.9 116.9
141 68.8 59.8 89.8

Manual Integrations

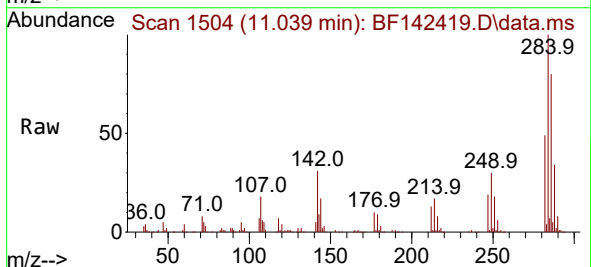
APPROVED

Reviewed By :Rahul Chavli 05/19/2025

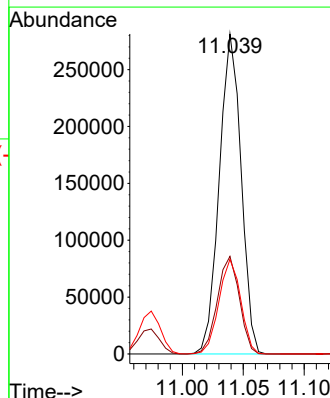
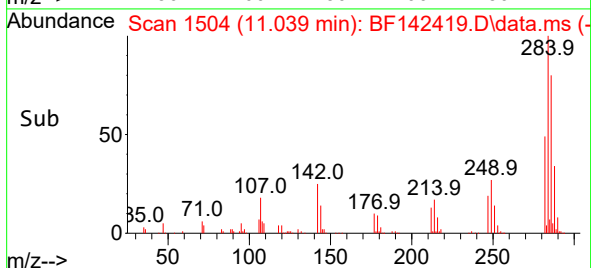
Supervised By :Jagrut Upadhyay 05/19/2025

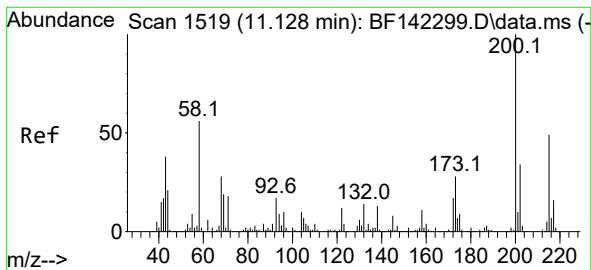


#68
Hexachlorobenzene
Concen: 44.596 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



Tgt Ion:284 Resp: 350738
Ion Ratio Lower Upper
284 100
142 30.5 26.6 39.8
249 29.6 24.1 36.1





#69

Atrazine

Concen: 49.587 ng

RT: 11.127 min Scan# 1519

Delta R.T. -0.000 min

Lab File: BF142419.D

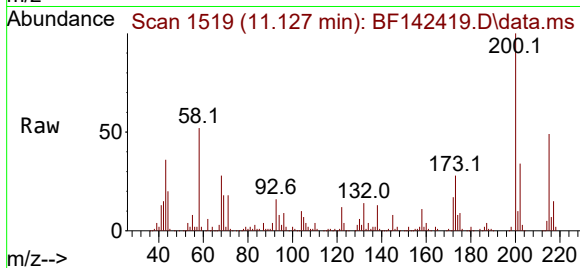
Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS



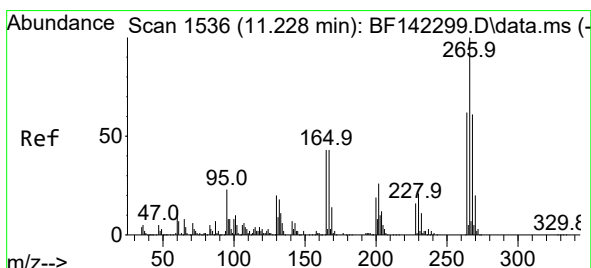
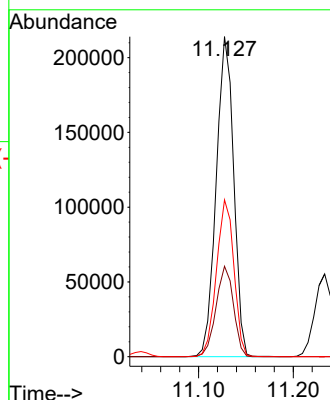
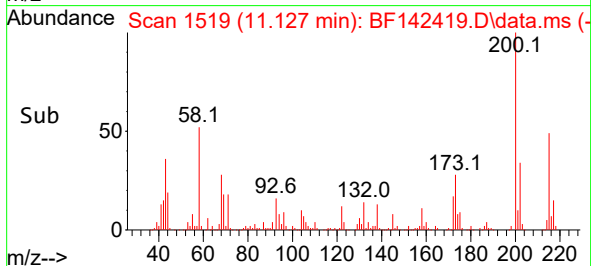
Tgt Ion:	200	Resp:	27440
Ion Ratio	Lower	Upper	
200	100		
173	28.3	8.1	48.1
215	49.0	28.8	68.8

Manual Integrations

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Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#70

Pentachlorophenol

Concen: 103.798 ng

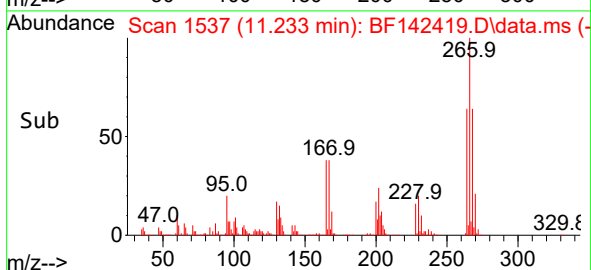
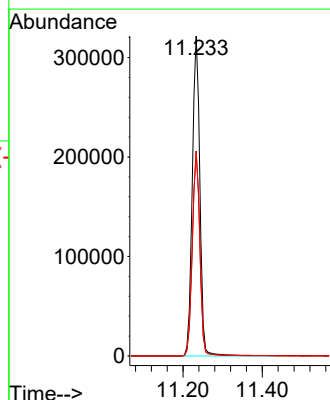
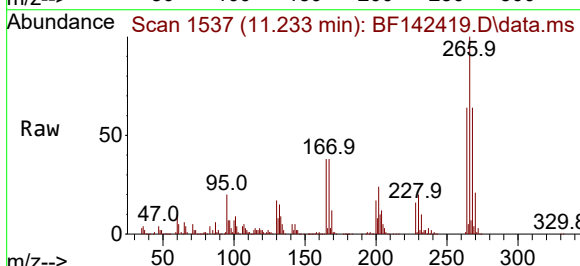
RT: 11.233 min Scan# 1537

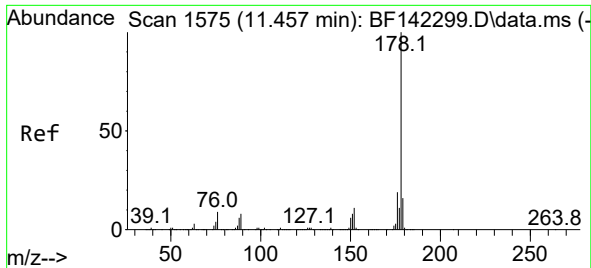
Delta R.T. 0.006 min

Lab File: BF142419.D

Acq: 16 May 2025 11:13

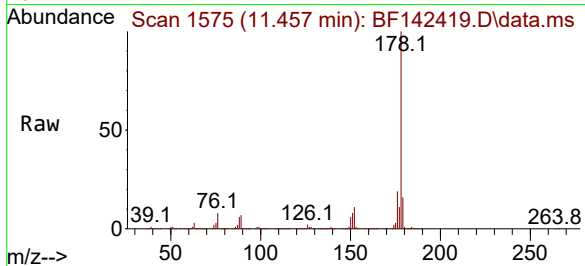
Tgt Ion:	266	Resp:	429460
Ion Ratio	Lower	Upper	
266	100		
268	64.0	48.7	73.1
264	63.6	49.8	74.6





#71
Phenanthrene
Concen: 42.209 ng
RT: 11.457 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

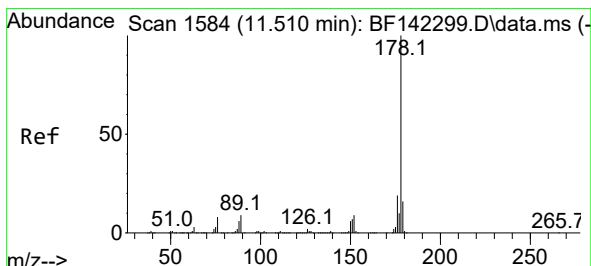
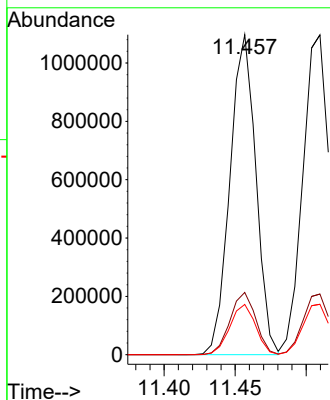
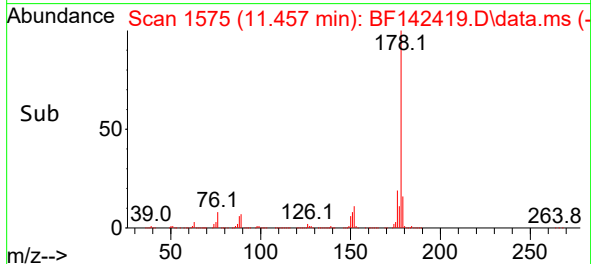
Instrument :
BNA_F
ClientSampleId :
PB167953BS



Tgt Ion:178 Resp: 1395824
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.7 12.6 18.8

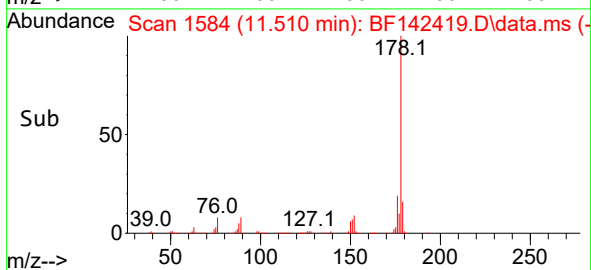
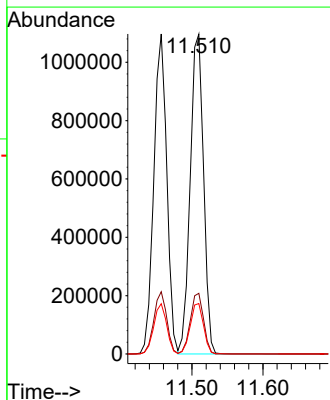
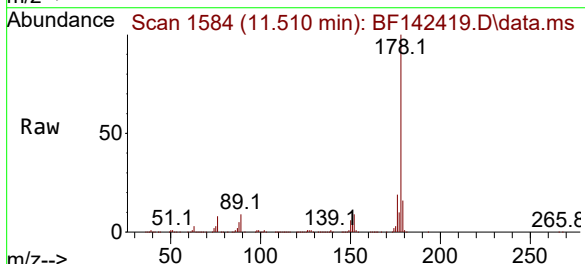
Manual Integrations
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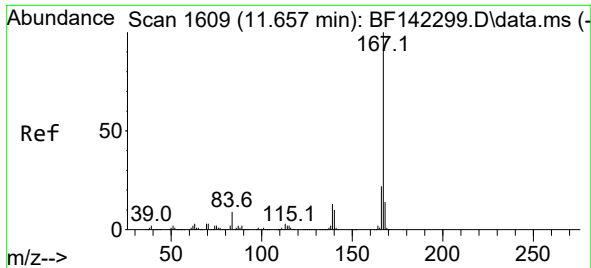
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#72
Anthracene
Concen: 42.118 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

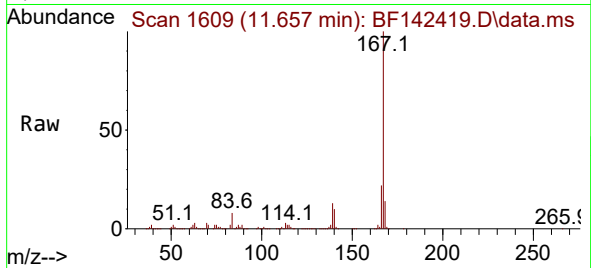
Tgt Ion:178 Resp: 1431099
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.8 12.6 18.8





#73
 Carbazole
 Concen: 42.553 ng
 RT: 11.657 min Scan# 1609
 Delta R.T. -0.000 min
 Lab File: BF142419.D
 Acq: 16 May 2025 11:13

Instrument :
 BNA_F
 ClientSampleId :
 PB167953BS

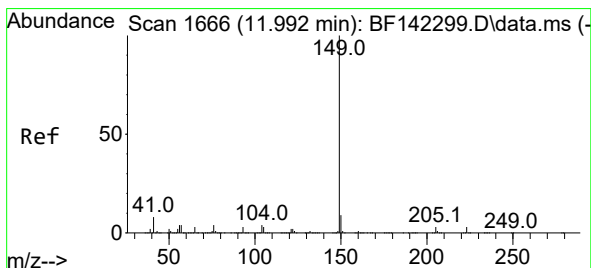
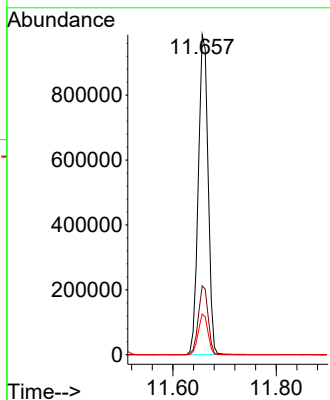
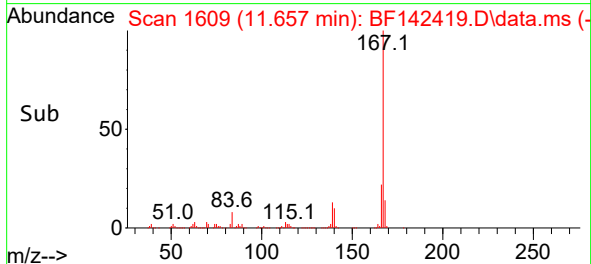


Tgt Ion:167 Resp: 1297202

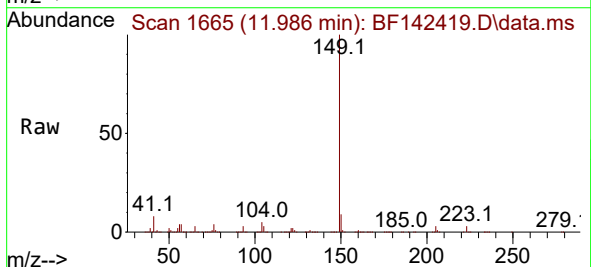
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	12.7	10.3	15.5

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Reviewed By :Rahul Chavli 05/19/2025
 Supervised By :Jagrut Upadhyay 05/19/2025

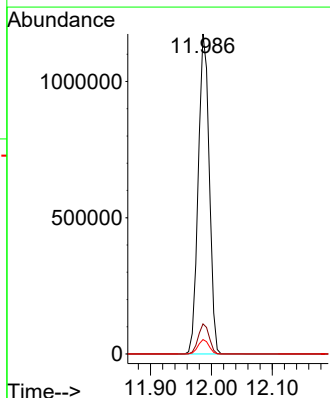
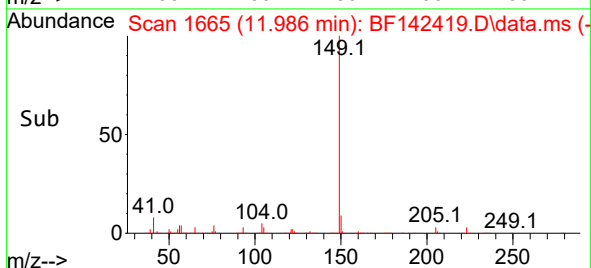


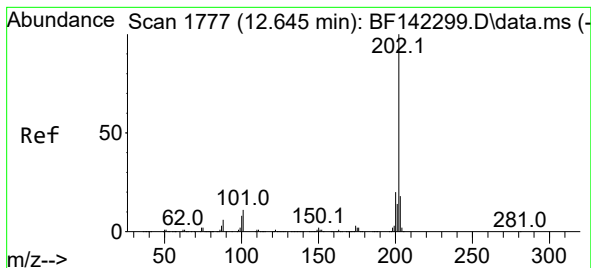
#74
 Di-n-butylphthalate
 Concen: 45.861 ng
 RT: 11.986 min Scan# 1665
 Delta R.T. -0.006 min
 Lab File: BF142419.D
 Acq: 16 May 2025 11:13



Tgt Ion:149 Resp: 1470098

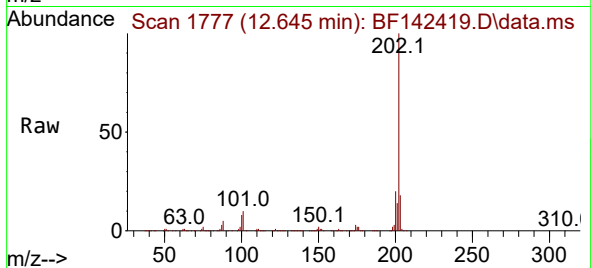
Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.5	3.6	5.4





#75
Fluoranthene
Concen: 42.249 ng
RT: 12.645 min Scan# 1777
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

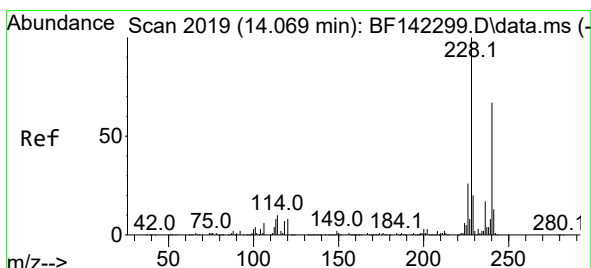
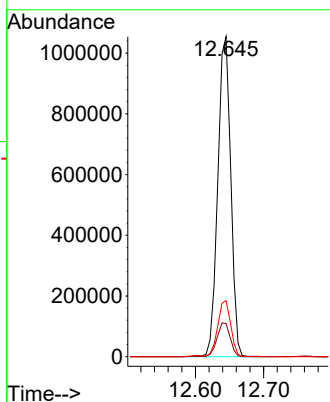
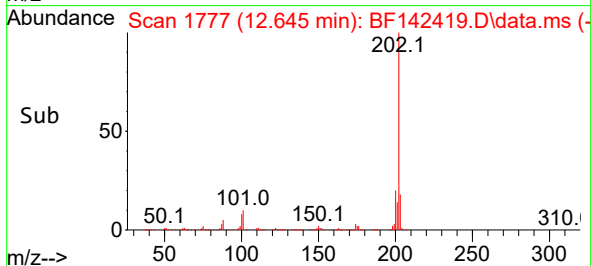
Instrument :
BNA_F
ClientSampleId :
PB167953BS



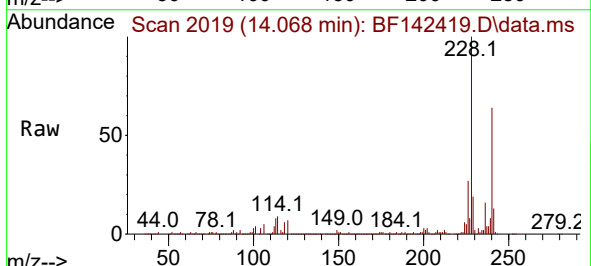
Tgt Ion:202 Resp: 1396620
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.4
203 17.5 0.0 37.9

Manual Integrations
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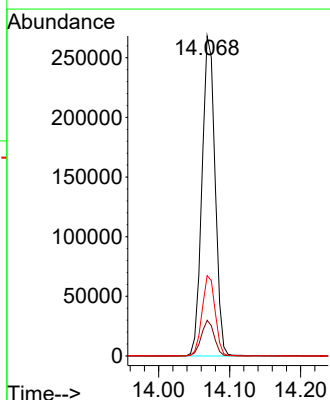
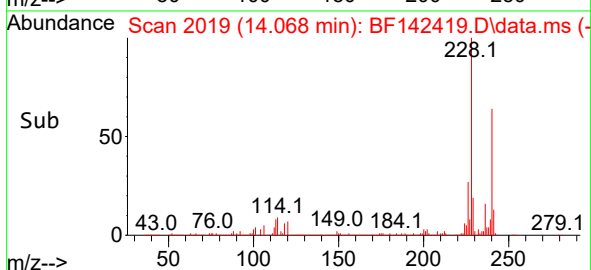
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

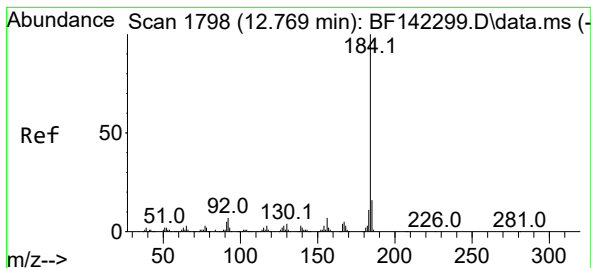


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



Tgt Ion:240 Resp: 344356
Ion Ratio Lower Upper
240 100
120 11.2 9.7 14.5
236 25.1 20.0 30.0





#77

Benzidine

Concen: 79.667 ng

RT: 12.763 min Scan# 1797

Delta R.T. -0.006 min

Lab File: BF142419.D

Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS

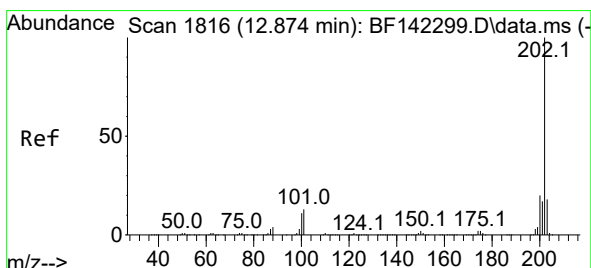
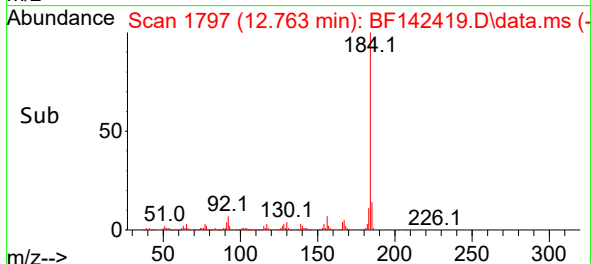
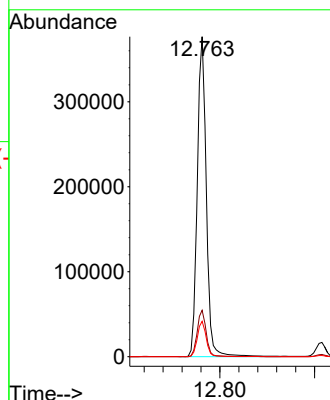
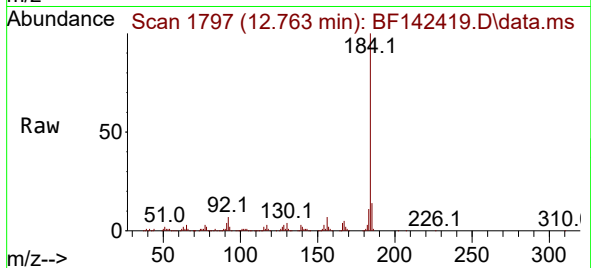
Tgt Ion:184 Resp: 498548
 Ion Ratio Lower Upper
 184 100
 185 14.5 12.6 18.8
 183 11.1 8.6 12.8

Manual Integrations

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Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#78

Pyrene

Concen: 44.888 ng

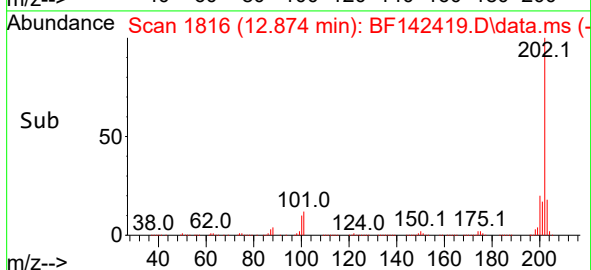
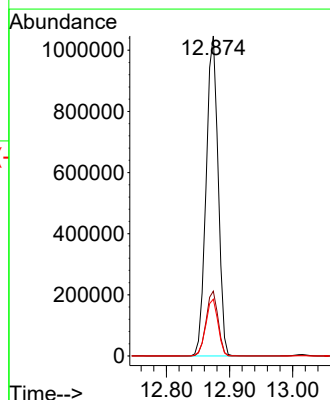
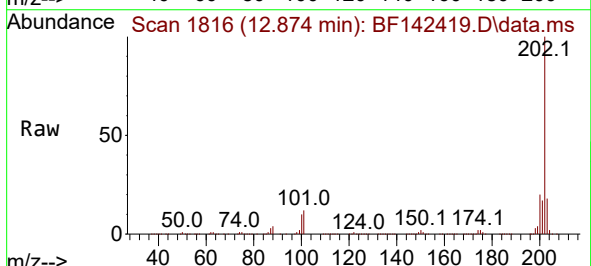
RT: 12.874 min Scan# 1816

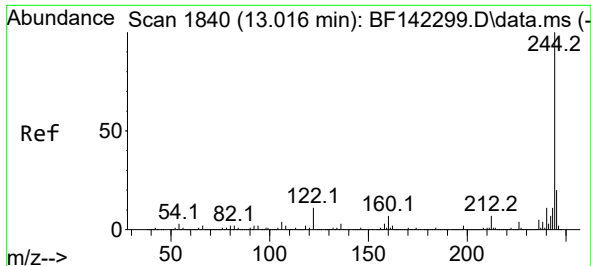
Delta R.T. -0.000 min

Lab File: BF142419.D

Acq: 16 May 2025 11:13

Tgt Ion:202 Resp: 1375854
 Ion Ratio Lower Upper
 202 100
 200 20.2 16.2 24.4
 203 17.7 14.3 21.5





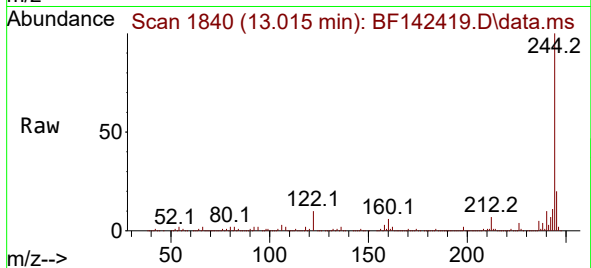
#79
 Terphenyl-d14
 Concen: 77.808 ng
 RT: 13.015 min Scan# 1840
 Delta R.T. -0.000 min
 Lab File: BF142419.D
 Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS



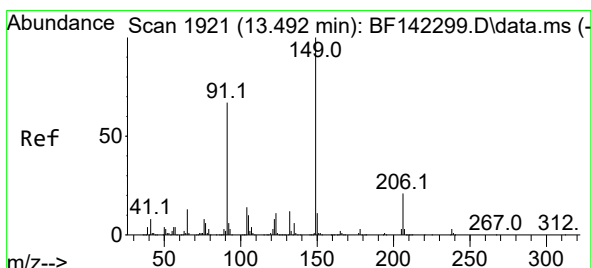
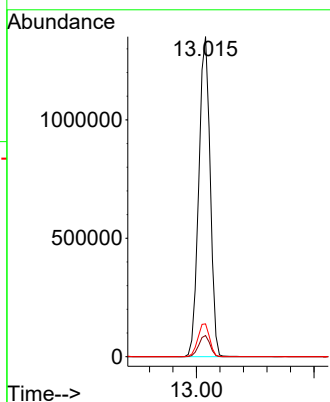
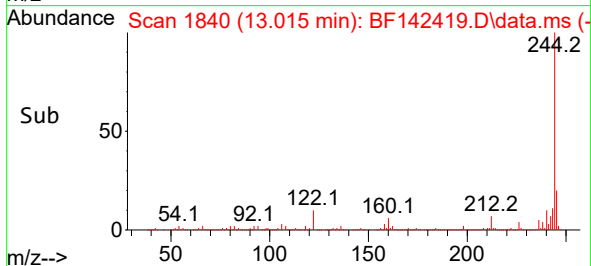
Tgt Ion:244 Resp: 181024
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 10.2 9.0 13.4

Manual Integrations

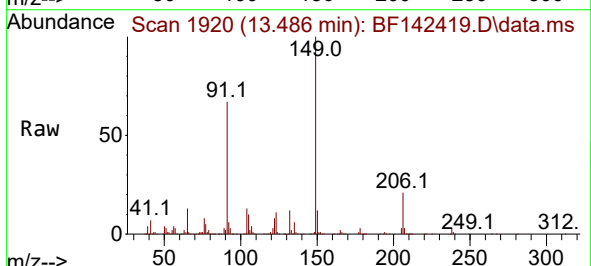
APPROVED

Reviewed By :Rahul Chavli 05/19/2025

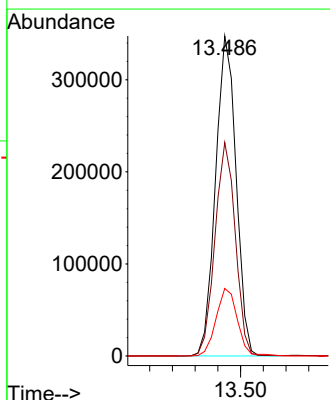
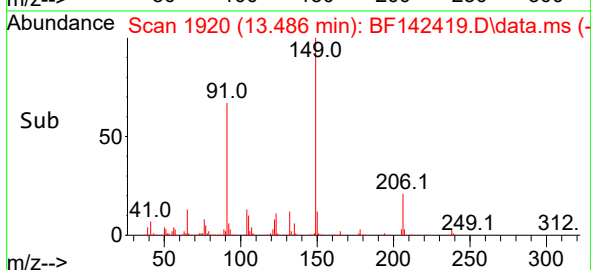
Supervised By :Jagrut Upadhyay 05/19/2025

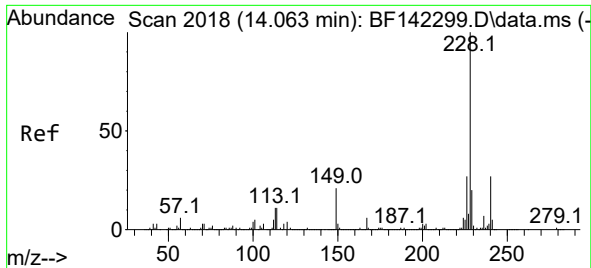


#80
 Butylbenzylphthalate
 Concen: 48.795 ng
 RT: 13.486 min Scan# 1920
 Delta R.T. -0.006 min
 Lab File: BF142419.D
 Acq: 16 May 2025 11:13



Tgt Ion:149 Resp: 437060
 Ion Ratio Lower Upper
 149 100
 91 66.7 53.8 80.6
 206 21.1 16.6 24.8





#81
Benzo(a)anthracene
Concen: 46.321 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

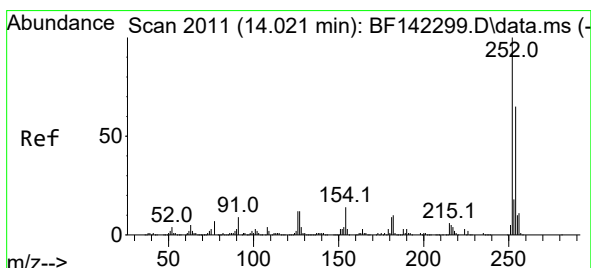
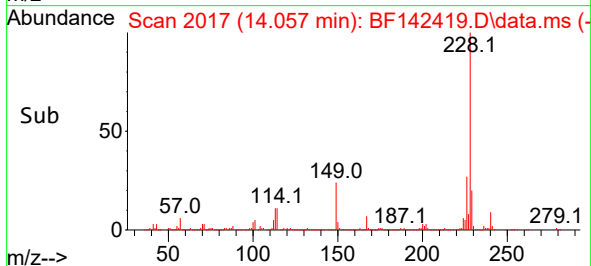
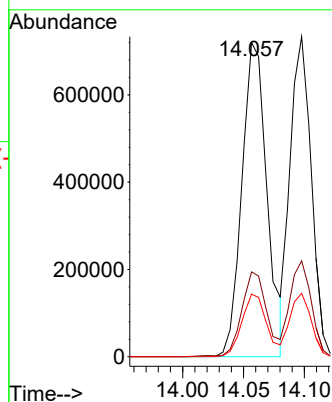
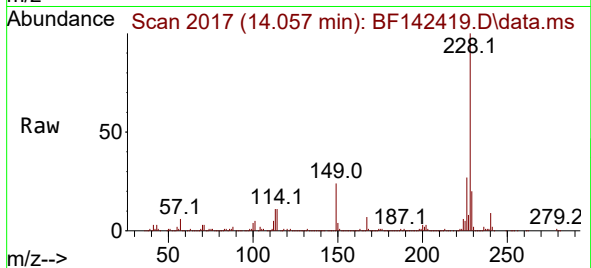
PB167953BS

Tgt Ion:228 Resp: 103300
Ion Ratio Lower Upper
228 100
226 27.0 21.5 32.3
229 19.9 15.9 23.9

Manual Integrations

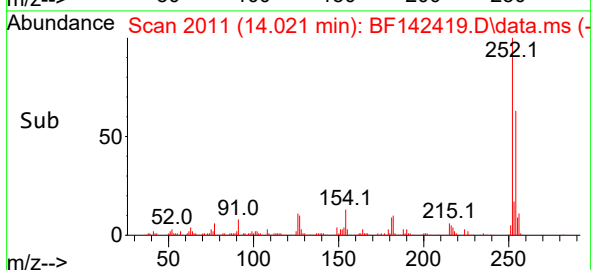
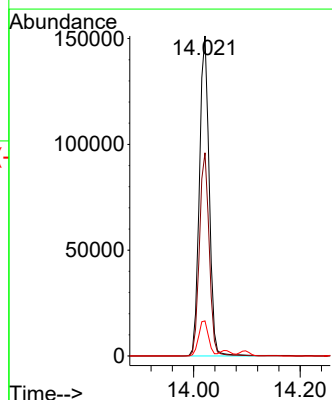
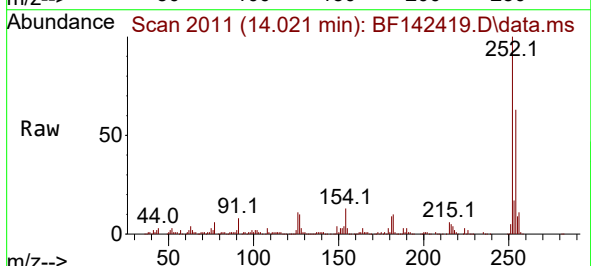
APPROVED

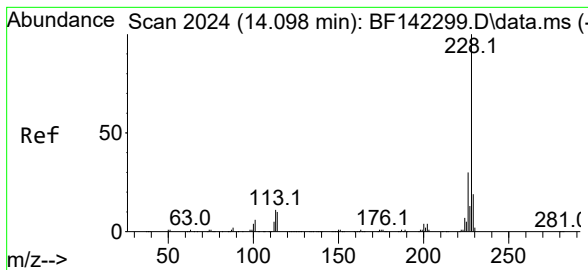
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#82
3,3'-Dichlorobenzidine
Concen: 37.248 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Tgt Ion:252 Resp: 193172
Ion Ratio Lower Upper
252 100
254 63.5 52.0 78.0
126 11.0 9.7 14.5





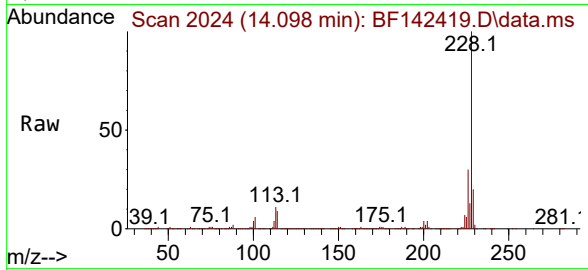
#83
Chrysene
Concen: 42.874 ng
RT: 14.098 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS



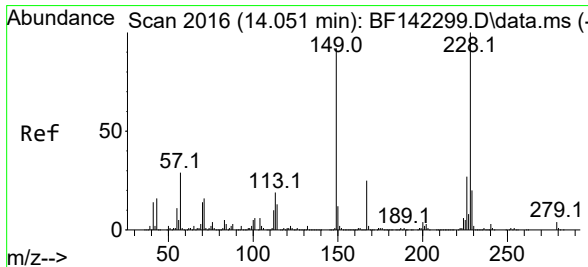
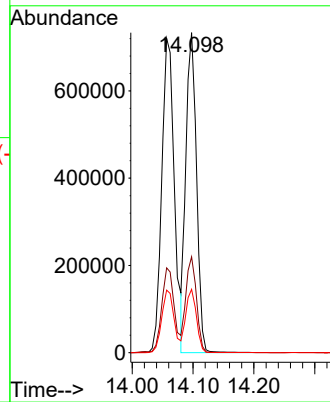
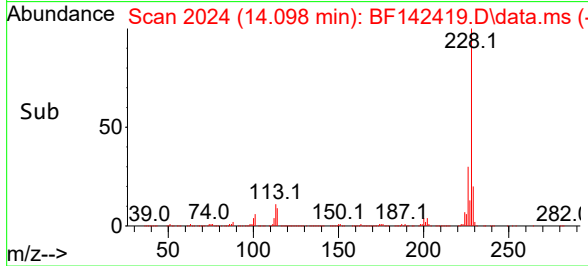
Tgt Ion:228 Resp: 89008
Ion Ratio Lower Upper
228 100
226 30.0 23.9 35.9
229 19.8 15.4 23.2

Manual Integrations

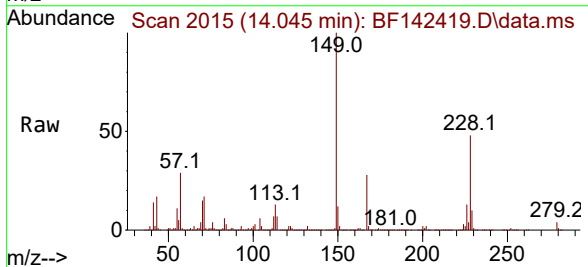
APPROVED

Reviewed By :Rahul Chavli 05/19/2025

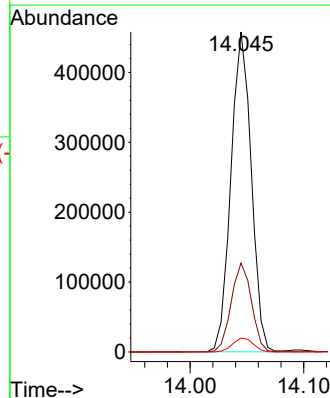
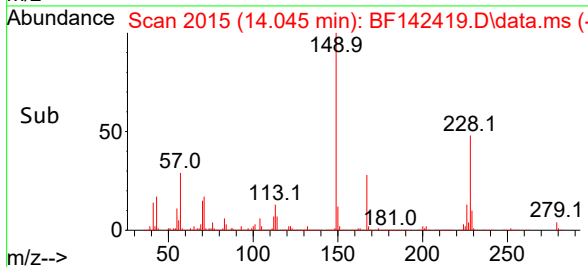
Supervised By :Jagrut Upadhyay 05/19/2025

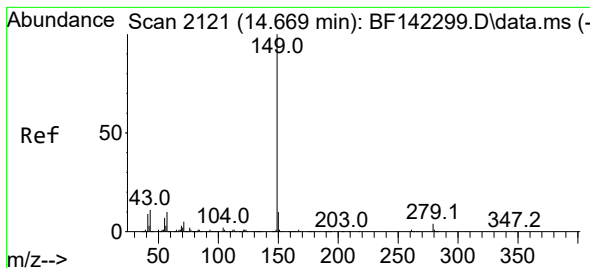


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.750 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



Tgt Ion:149 Resp: 568724
Ion Ratio Lower Upper
149 100
167 27.8 22.0 33.0
279 4.4 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 49.451 ng

RT: 14.662 min Scan# 2121

Delta R.T. -0.007 min

Lab File: BF142419.D

Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS

Tgt Ion:149 Resp: 104454

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

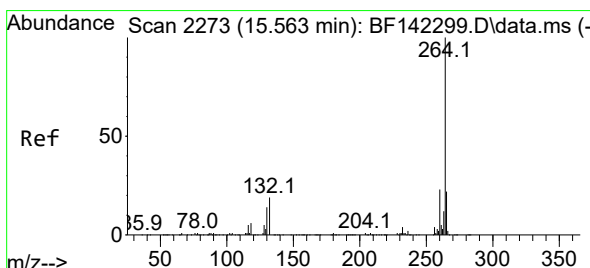
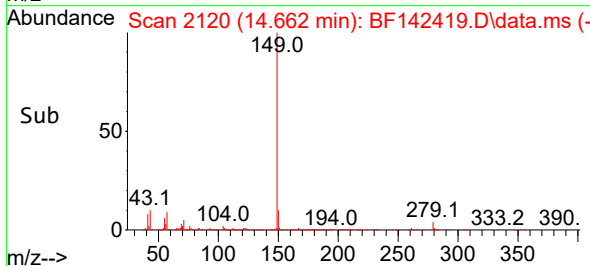
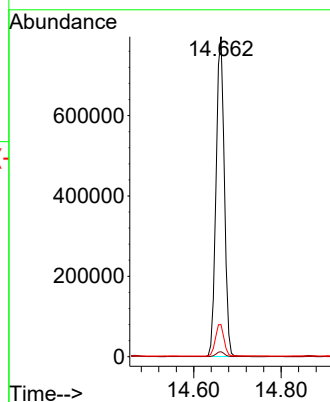
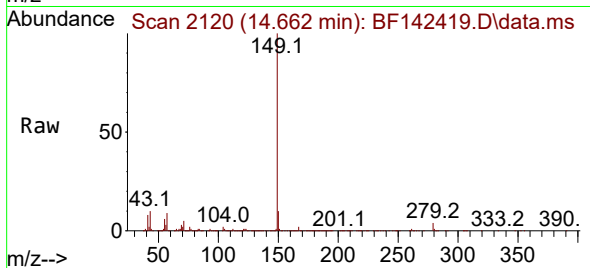
43 10.3 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.556 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF142419.D

Acq: 16 May 2025 11:13

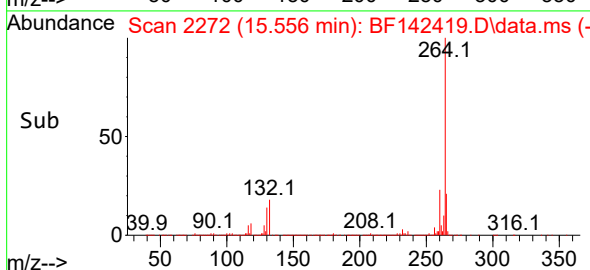
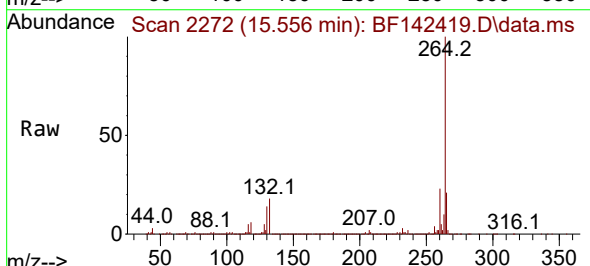
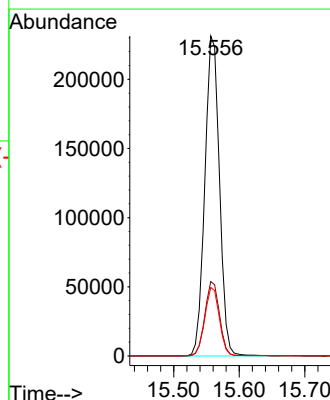
Tgt Ion:264 Resp: 359523

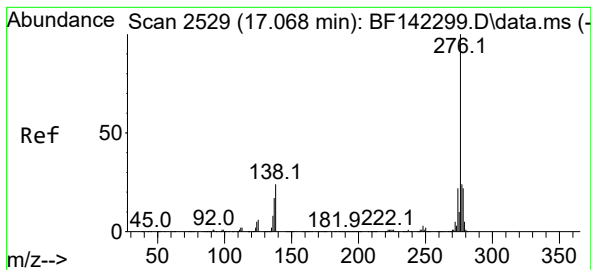
Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 21.4 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.673 ng

RT: 17.074 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF142419.D

Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS

Tgt Ion:276 Resp: 1142274

Ion Ratio Lower Upper

276 100

138 26.0 22.0 33.0

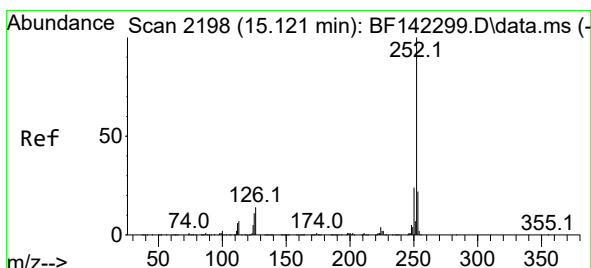
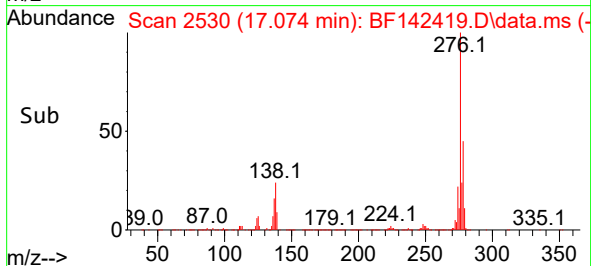
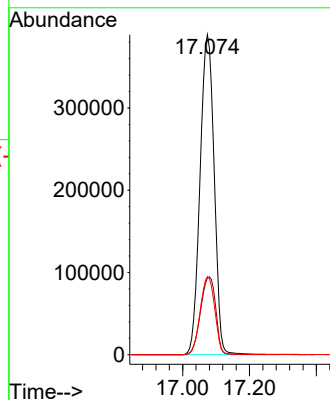
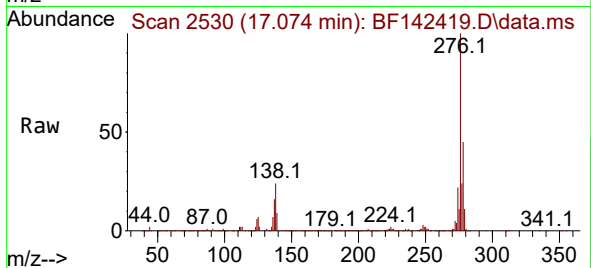
277 25.1 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#88

Benzo(b)fluoranthene

Concen: 46.825 ng

RT: 15.121 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF142419.D

Acq: 16 May 2025 11:13

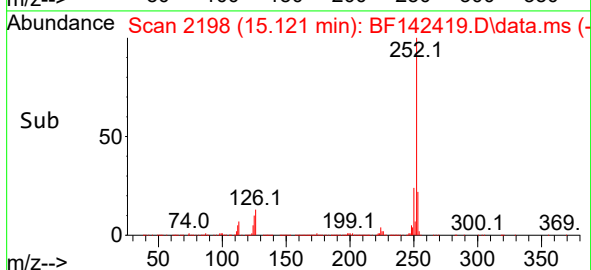
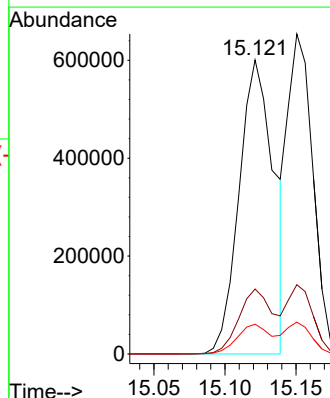
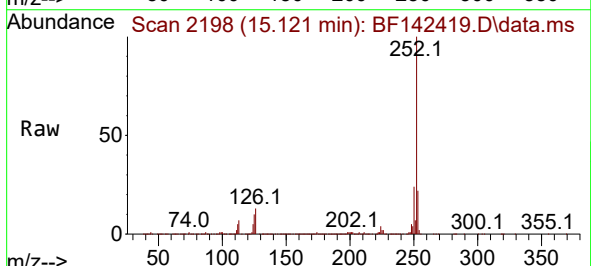
Tgt Ion:252 Resp: 1019606

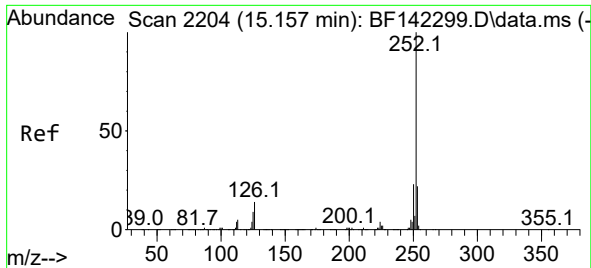
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

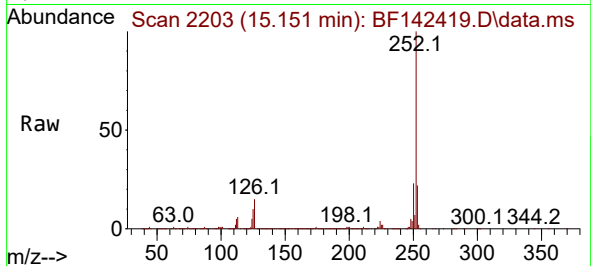
125 10.1 8.7 13.1





#89
Benzo(k)fluoranthene
Concen: 40.708 ng
RT: 15.151 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

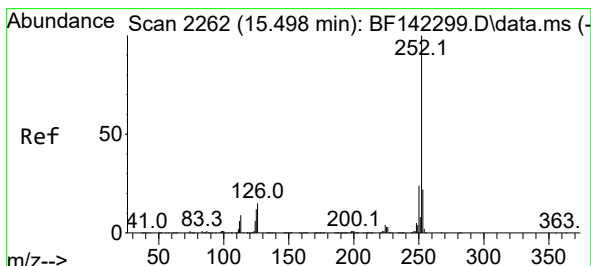
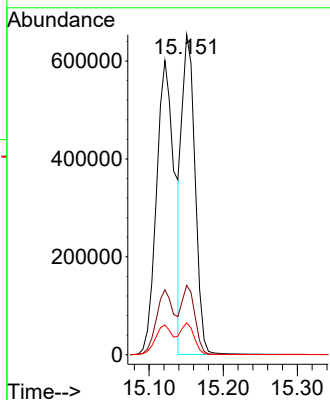
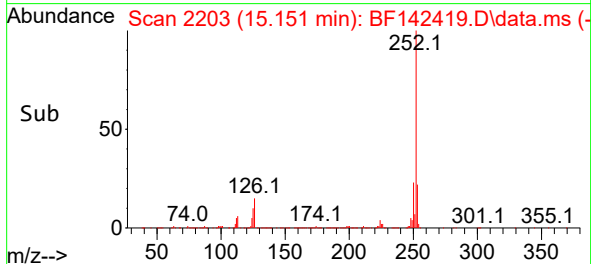
Instrument :
BNA_F
ClientSampleId :
PB167953BS



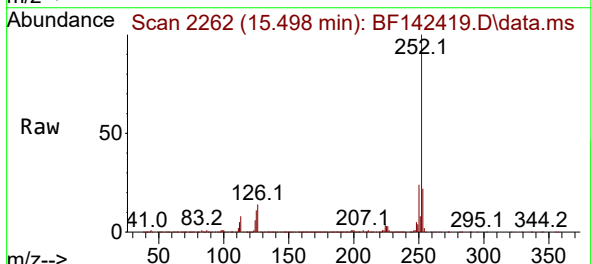
Tgt Ion:252 Resp: 81118
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 10.0 8.1 12.1

Manual Integrations
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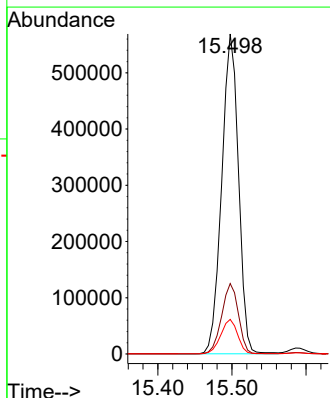
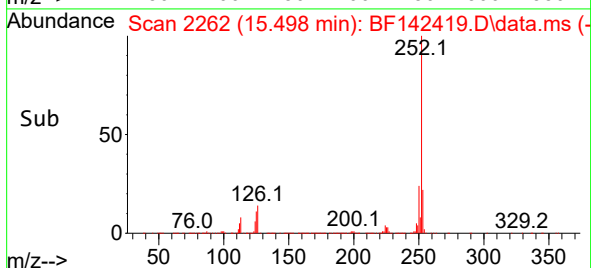
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

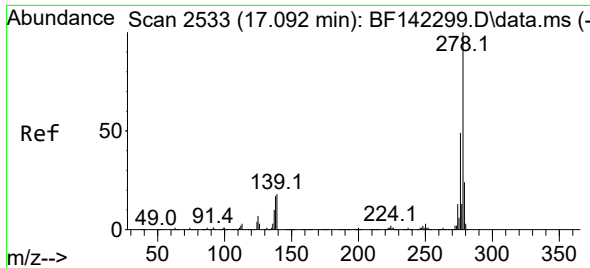


#90
Benzo(a)pyrene
Concen: 45.849 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



Tgt Ion:252 Resp: 894628
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 10.8 9.4 14.0





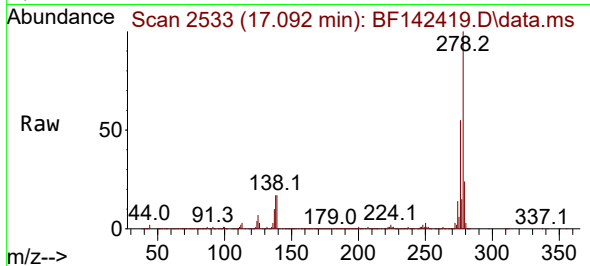
#91
Dibenzo(a,h)anthracene
Concen: 45.015 ng
RT: 17.092 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167953BS



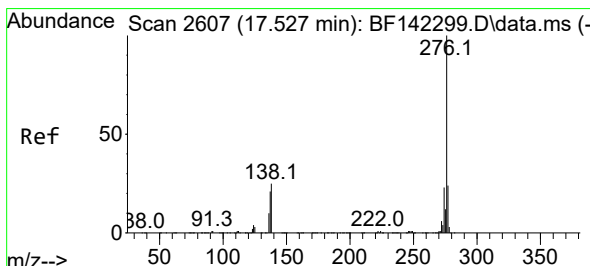
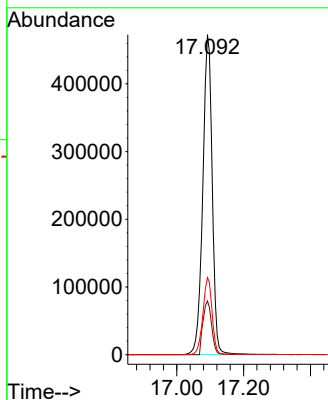
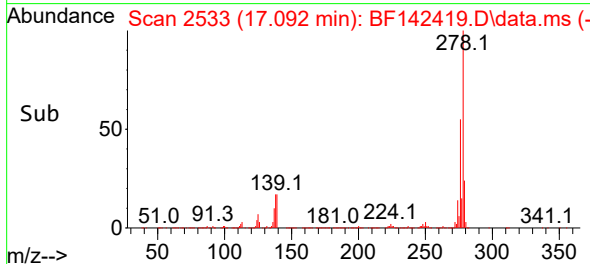
Tgt Ion:278 Resp: 930090
Ion Ratio Lower Upper
278 100
139 16.8 14.5 21.7
279 24.1 18.9 28.3

Manual Integrations

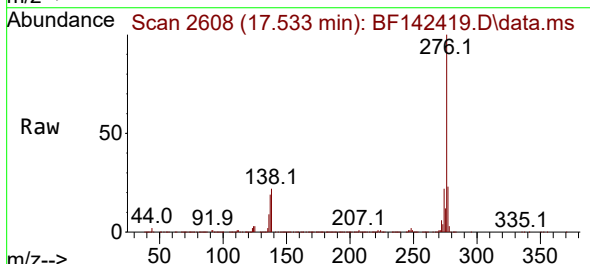
APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#92
Benzo(g,h,i)perylene
Concen: 44.516 ng
RT: 17.533 min Scan# 2608
Delta R.T. 0.006 min
Lab File: BF142419.D
Acq: 16 May 2025 11:13



Tgt Ion:276 Resp: 912878
Ion Ratio Lower Upper
276 100
277 23.1 19.0 28.6
138 21.7 19.8 29.6

