

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141402.D
 Acq On : 04 Feb 2025 12:28
 Operator : RC/JU
 Sample : PB166465BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166465BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025

Quant Time: Feb 04 12:56:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	88302	20.000	ng	-0.02
21) Naphthalene-d8	8.075	136	356451	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	193437	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	332836	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	250595	20.000	ng	-0.01
86) Perylene-d12	15.421	264	214372	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	767671	133.466	ng	0.00
7) Phenol-d6	6.434	99	933126	127.528	ng	0.00
23) Nitrobenzene-d5	7.357	82	623908	92.271	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	265382	149.648	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1158880	92.213	ng	-0.01
79) Terphenyl-d14	12.904	244	1403721	86.386	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.540	88	95510	37.757	ng	97
3) Pyridine	3.269	79	220711	36.213	ng	98
4) n-Nitrosodimethylamine	3.210	42	153088	43.968	ng	92
6) Aniline	6.451	93	237188	38.294	ng	# 20
8) 2-Chlorophenol	6.581	128	267327	43.363	ng	95
9) Benzaldehyde	6.340	77	197479	46.594	ng	99
10) Phenol	6.446	94	315191	40.636	ng	# 66
11) bis(2-Chloroethyl)ether	6.528	93	247036	41.538	ng	98
12) 1,3-Dichlorobenzene	6.728	146	282031	41.491	ng	99
13) 1,4-Dichlorobenzene	6.804	146	280442	41.068	ng	98
14) 1,2-Dichlorobenzene	6.957	146	270774	42.346	ng	100
15) Benzyl Alcohol	6.934	79	235799	47.156	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.063	45	417513	40.372	ng	54
17) 2-Methylphenol	7.057	107	208200	41.553	ng	# 89
18) Hexachloroethane	7.304	117	106760	42.379	ng	96
19) n-Nitroso-di-n-propyla...	7.204	70	186715	42.945	ng	99
20) 3+4-Methylphenols	7.204	107	269748	43.847	ng	91
22) Acetophenone	7.198	105	407161	48.055	ng	# 97
24) Nitrobenzene	7.375	77	282663	40.339	ng	99
25) Isophorone	7.610	82	502031	42.952	ng	98
26) 2-Nitrophenol	7.687	139	141155	42.714	ng	95
27) 2,4-Dimethylphenol	7.734	122	219596m	52.206	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	303611	40.723	ng	99
29) 2,4-Dichlorophenol	7.940	162	221962	43.104	ng	98
30) 1,2,4-Trichlorobenzene	8.016	180	239056	40.650	ng	99
31) Naphthalene	8.092	128	769593	40.870	ng	99
32) Benzoic acid	7.857	122	178919	46.271	ng	96
33) 4-Chloroaniline	8.145	127	111837	17.514	ng	99
34) Hexachlorobutadiene	8.210	225	146733	42.547	ng	99
35) Caprolactam	8.510	113	75752m	45.044	ng	
36) 4-Chloro-3-methylphenol	8.640	107	238755	43.225	ng	96
37) 2-Methylnaphthalene	8.787	142	485815	40.592	ng	100
38) 1-Methylnaphthalene	8.887	142	475503	40.446	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	258510	46.976	ng	99
41) Hexachlorocyclopentadiene	8.939	237	310187	190.859	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	155878	43.276	ng	99

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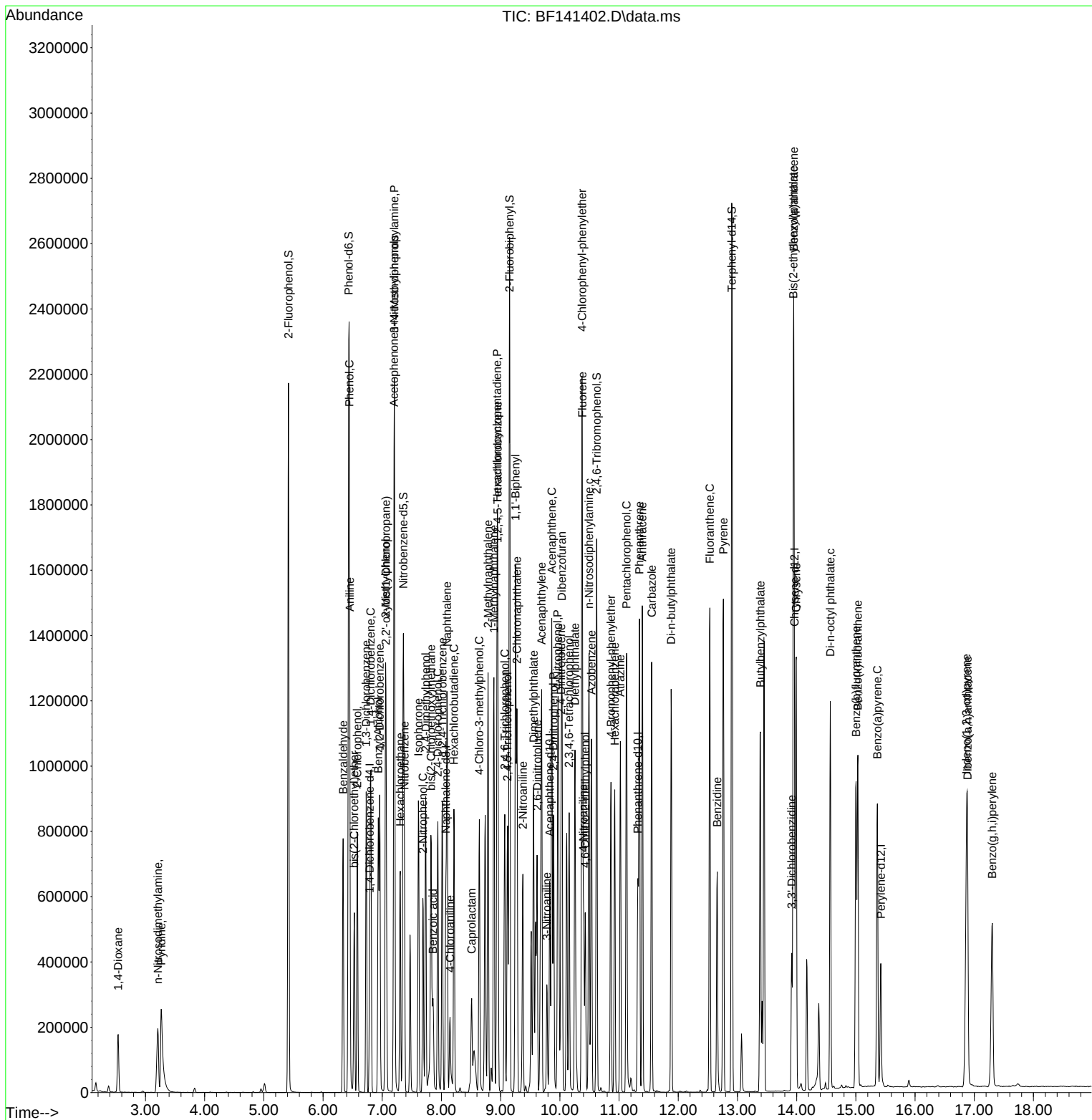
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	165351	42.178	ng	100
46) 1,1'-Biphenyl	9.251	154	703887	46.659	ng	99
47) 2-Chloronaphthalene	9.275	162	473553	40.273	ng	100
48) 2-Nitroaniline	9.375	65	159247	43.057	ng	97
49) Acenaphthylene	9.692	152	740460	44.986	ng	100
50) Dimethylphthalate	9.557	163	558629	42.759	ng	100
51) 2,6-Dinitrotoluene	9.616	165	123098	40.580	ng	97
52) Acenaphthene	9.863	154	560712m	47.684	ng	
53) 3-Nitroaniline	9.781	138	68097	22.904	ng	96
54) 2,4-Dinitrophenol	9.892	184	151593	107.504	ng	90
55) Dibenzofuran	10.034	168	671106	42.637	ng	97
56) 4-Nitrophenol	9.963	139	218315	100.404	ng	91
57) 2,4-Dinitrotoluene	10.022	165	173602	44.202	ng	95
58) Fluorene	10.381	166	518457	42.465	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	148879	48.272	ng	99
60) Diethylphthalate	10.257	149	545927	43.096	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	252498	42.338	ng	98
62) 4-Nitroaniline	10.398	138	127390	43.582	ng	93
63) Azobenzene	10.533	77	542409	42.776	ng	98
65) 4,6-Dinitro-2-methylph...	10.428	198	99055	50.314	ng	96
66) n-Nitrosodiphenylamine	10.492	169	470723	43.727	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	158774	42.610	ng	99
68) Hexachlorobenzene	10.928	284	166904	42.227	ng	98
69) Atrazine	11.022	200	181840	50.521	ng	99
70) Pentachlorophenol	11.128	266	221451	95.677	ng	99
71) Phenanthrene	11.345	178	806850	45.097	ng	100
72) Anthracene	11.392	178	832463	47.487	ng	99
73) Carbazole	11.551	167	733666	47.198	ng	99
74) Di-n-butylphthalate	11.880	149	864328	45.882	ng	100
75) Fluoranthene	12.533	202	869611	49.226	ng	98
77) Benzidine	12.657	184	368913	45.921	ng	99
78) Pyrene	12.763	202	889284	36.969	ng	99
80) Butylbenzylphthalate	13.386	149	360551	42.904	ng	99
81) Benzo(a)anthracene	13.951	228	708842	40.991	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	119645	21.754	ng	99
83) Chrysene	13.992	228	691058	43.605	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	470782	44.162	ng	99
85) Di-n-octyl phthalate	14.569	149	760585	45.935	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	609183	44.028	ng	96
88) Benzo(b)fluoranthene	15.004	252	606018	44.942	ng	99
89) Benzo(k)fluoranthene	15.033	252	555327	46.488	ng	99
90) Benzo(a)pyrene	15.363	252	544814	47.811	ng	97
91) Dibenzo(a,h)anthracene	16.886	278	486628	43.716	ng	97
92) Benzo(g,h,i)perylene	17.304	276	469306	40.546	ng	96

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

Manual Integrations APPROVED

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Supervised By :mohammad ahmed 02/05/2025

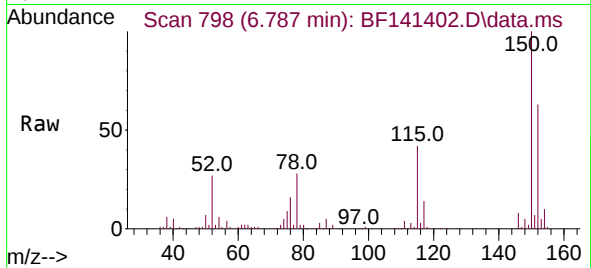
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QLast Update : Wed Jan 29 17:41:25 2025
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.017 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

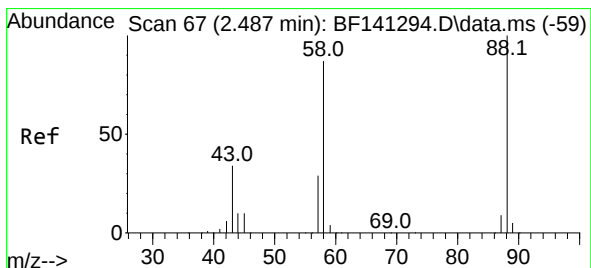
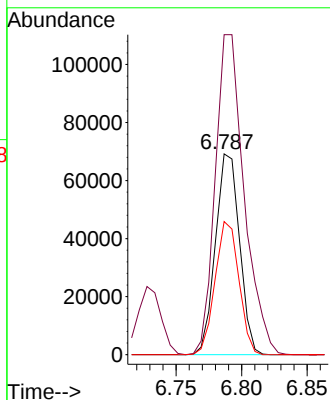
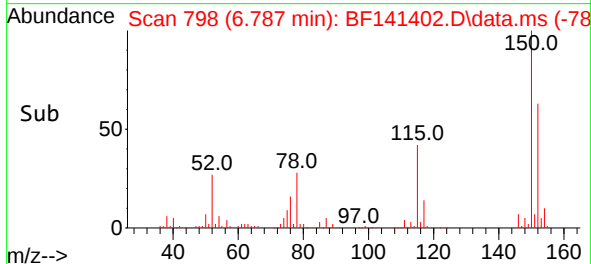
Instrument :
BNA_F
ClientSampleId :
PB166465BS



Tgt Ion:152 Resp: 88302
Ion Ratio Lower Upper
152 100
150 159.4 125.9 188.9
115 66.3 49.7 74.5

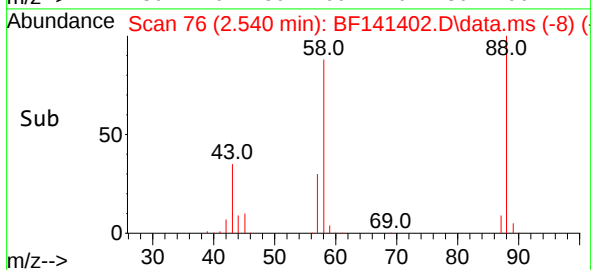
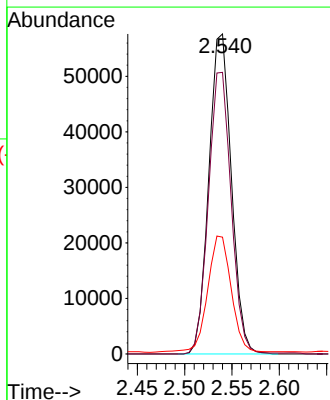
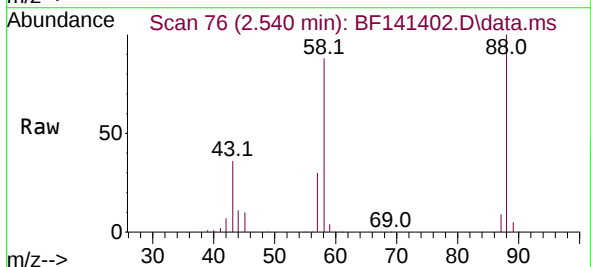
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#2
1,4-Dioxane
Concen: 37.757 ng
RT: 2.540 min Scan# 76
Delta R.T. 0.047 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Tgt Ion: 88 Resp: 95510
Ion Ratio Lower Upper
88 100
58 89.0 70.2 105.4
43 38.1 27.6 41.4





#3
Pyridine
Concen: 36.213 ng
RT: 3.269 min Scan# 20
Delta R.T. 0.041 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

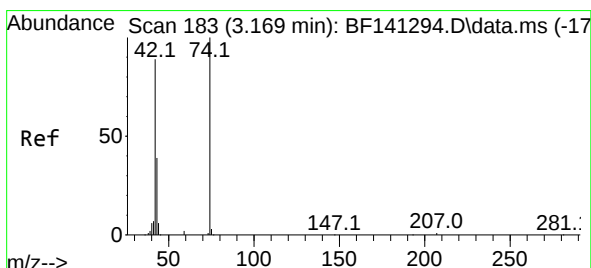
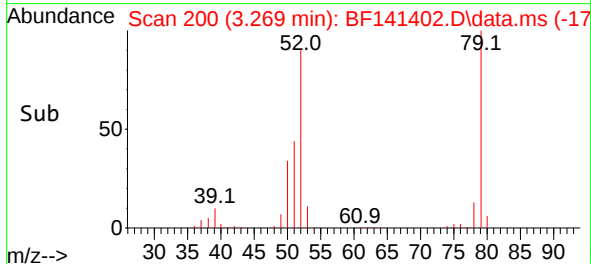
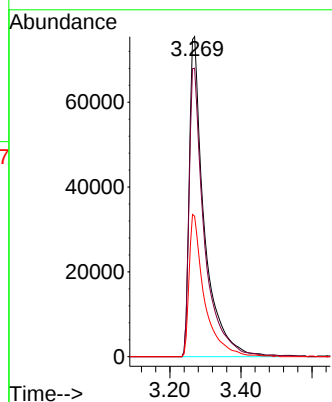
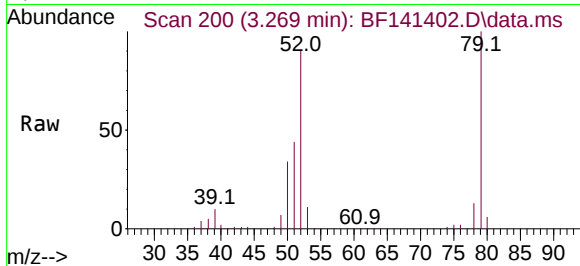
ClientSampleId :

PB166465BS

Tgt Ion: 79 Resp: 22071
Ion Ratio Lower Upper
79 100
52 90.1 70.3 105.5
51 43.9 34.3 51.5

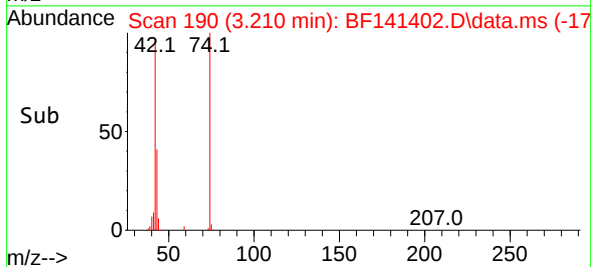
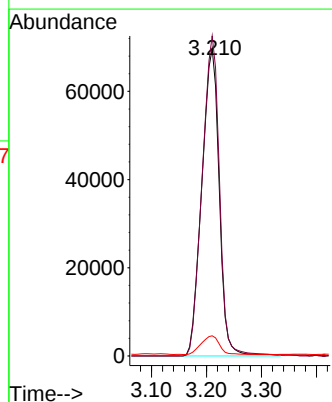
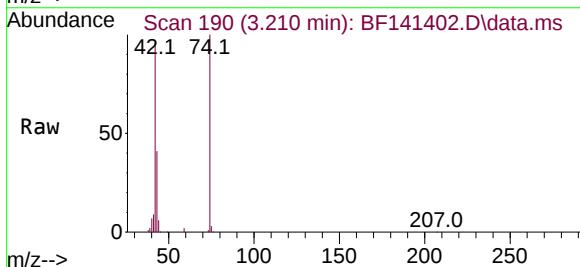
Manual Integrations
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Supervised By :mohammad ahmed 02/05/2025



#4
n-Nitrosodimethylamine
Concen: 43.968 ng
RT: 3.210 min Scan# 190
Delta R.T. 0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Tgt Ion: 42 Resp: 153088
Ion Ratio Lower Upper
42 100
74 104.1 90.3 135.5
44 6.6 5.7 8.5





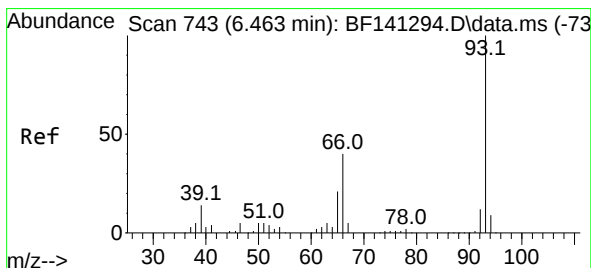
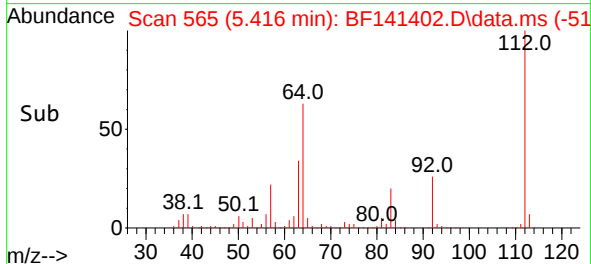
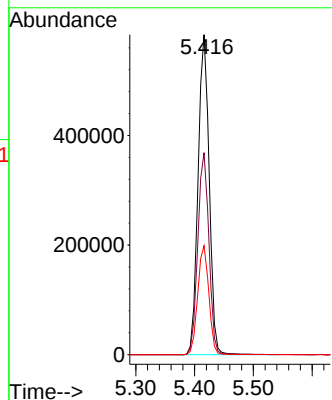
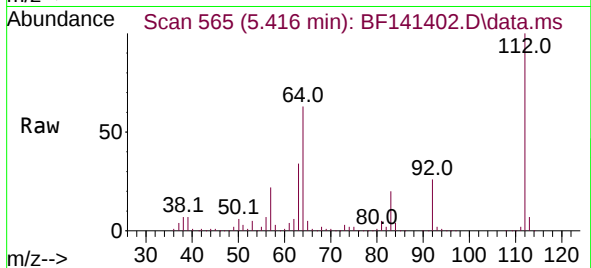
#5
2-Fluorophenol
Concen: 133.466 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Instrument :
BNA_F
ClientSampleId :
PB166465BS

Tgt Ion:112 Resp: 76767
Ion Ratio Lower Upper
112 100
64 63.2 49.8 74.8
63 34.0 26.1 39.1

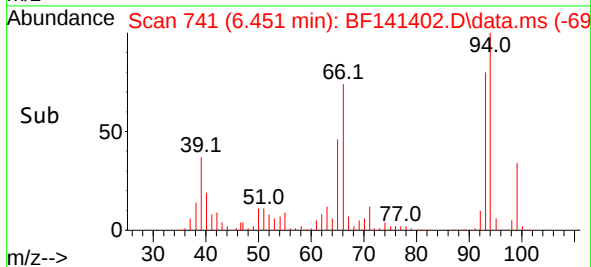
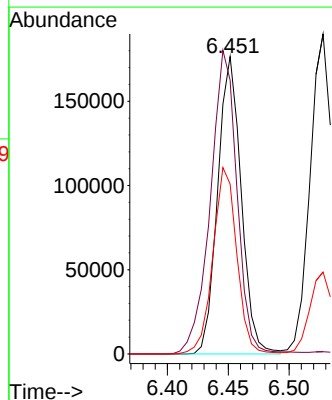
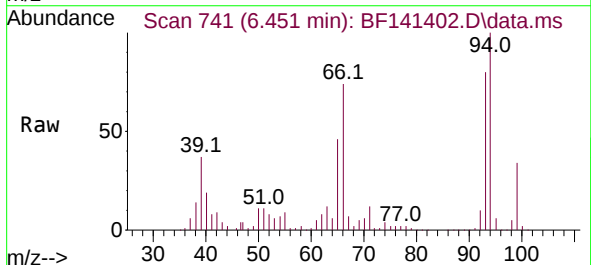
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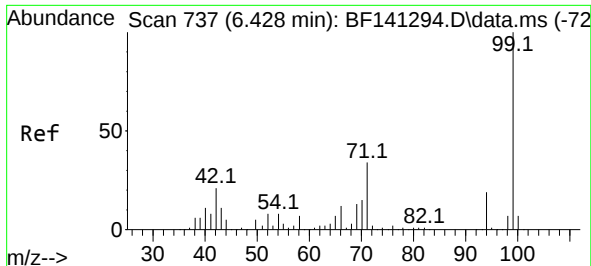
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#6
Aniline
Concen: 38.294 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Tgt Ion: 93 Resp: 237188
Ion Ratio Lower Upper
93 100
66 92.0 32.5 48.7#
65 57.1 17.0 25.6#





#7

Phenol-d6

Concen: 127.528 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS

Tgt Ion: 99 Resp: 933120

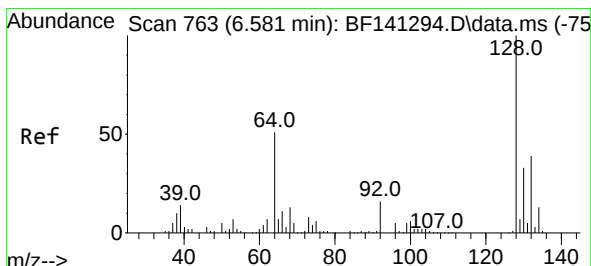
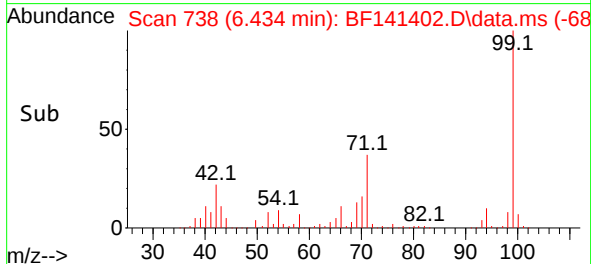
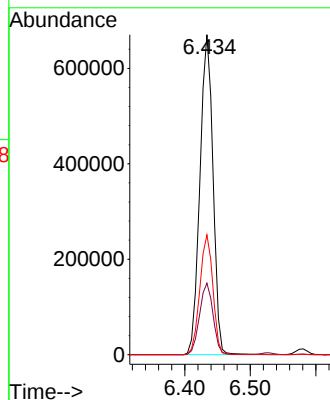
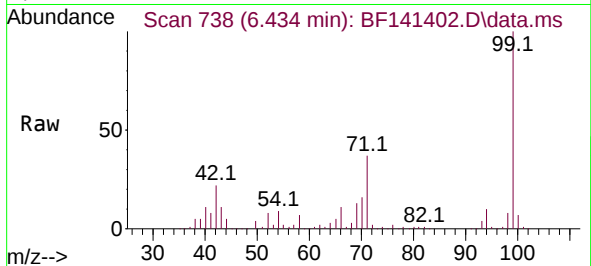
Ion	Ratio	Lower	Upper
99	100		
42	22.3	17.1	25.7
71	37.5	26.9	40.3

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#8

2-Chlorophenol

Concen: 43.363 ng

RT: 6.581 min Scan# 763

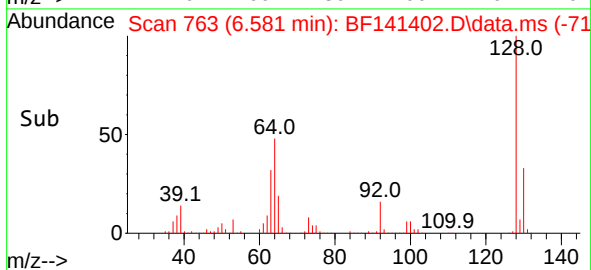
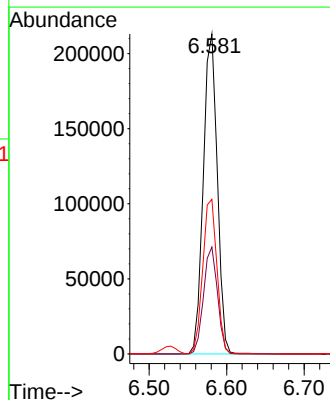
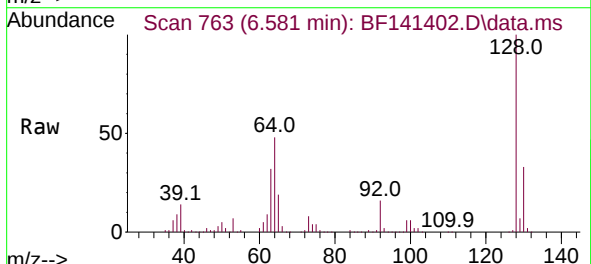
Delta R.T. -0.012 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

Tgt Ion:128 Resp: 267327

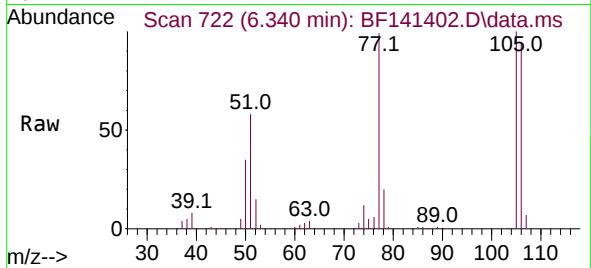
Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.5	52.5
64	48.3	32.9	72.9





#9
Benzaldehyde
Concen: 46.594 ng
RT: 6.340 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

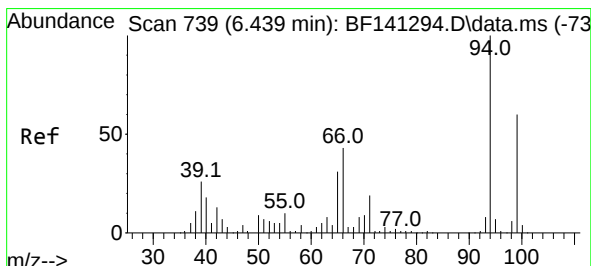
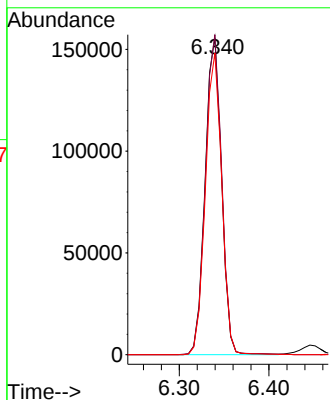
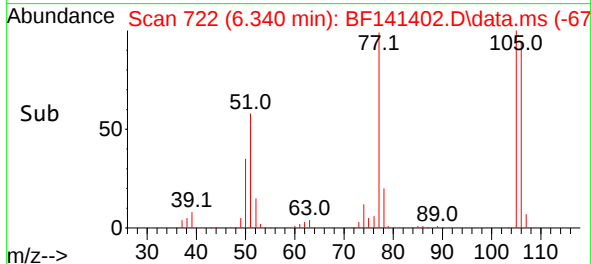
Instrument :
BNA_F
ClientSampleId :
PB166465BS



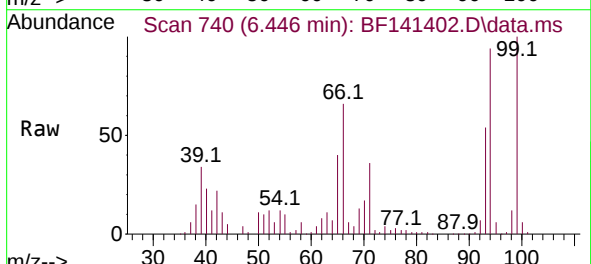
Tgt Ion: 77 Resp: 197479
Ion Ratio Lower Upper
77 100
105 100.9 79.4 119.4
106 95.2 74.6 114.6

Manual Integrations
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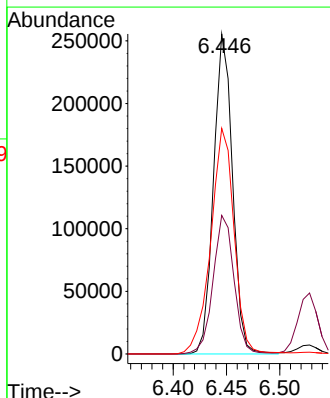
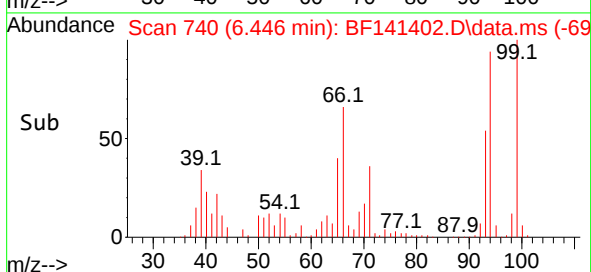
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#10
Phenol
Concen: 40.636 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28



Tgt Ion: 94 Resp: 315191
Ion Ratio Lower Upper
94 100
65 43.3 10.8 50.8
66 70.5 23.3 63.3#





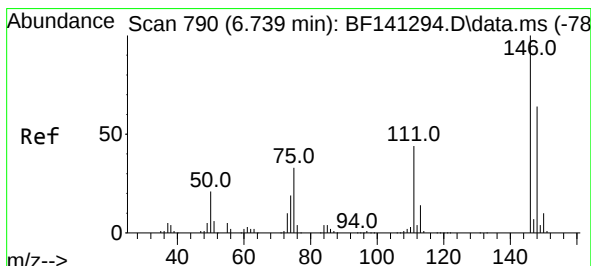
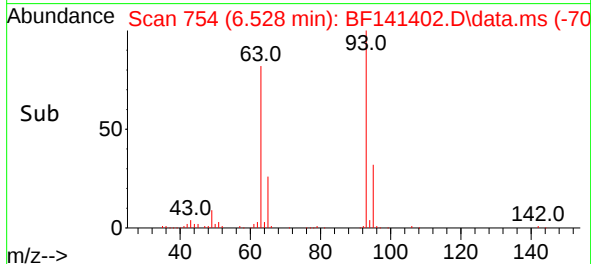
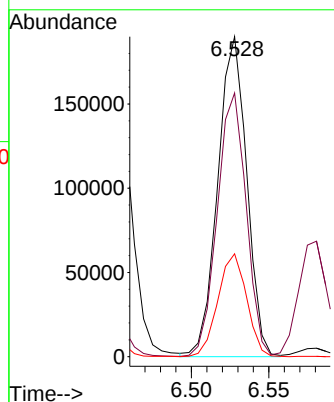
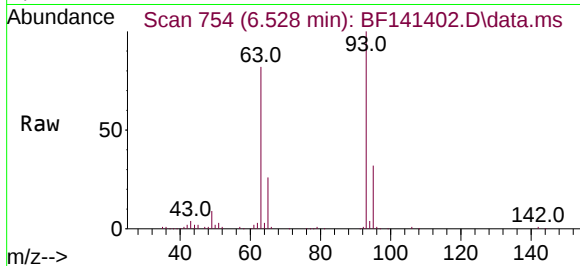
#11
bis(2-Chloroethyl)ether
Concen: 41.538 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.018 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Instrument :
BNA_F
ClientSampleId :
PB166465BS

Tgt Ion: 93 Resp: 247030
Ion Ratio Lower Upper
93 100
63 82.4 65.0 105.0
95 32.2 12.4 52.4

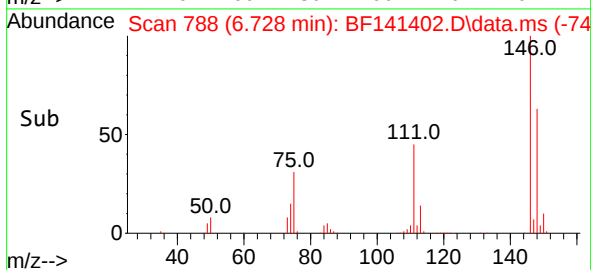
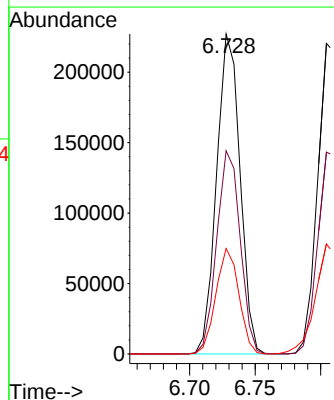
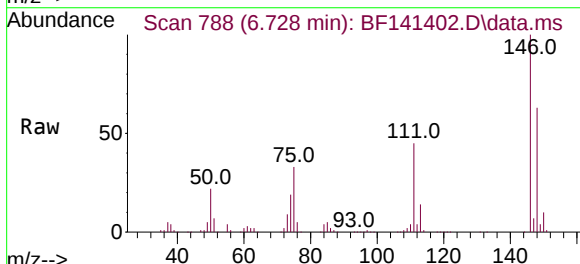
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#12
1,3-Dichlorobenzene
Concen: 41.491 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Tgt Ion:146 Resp: 282031
Ion Ratio Lower Upper
146 100
148 63.5 51.2 76.8
75 32.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 41.068 ng

RT: 6.804 min Scan# 803

Delta R.T. -0.018 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS

Tgt Ion:146 Resp: 28044

Ion Ratio Lower Upper

146 100

148 65.0 51.2 76.8

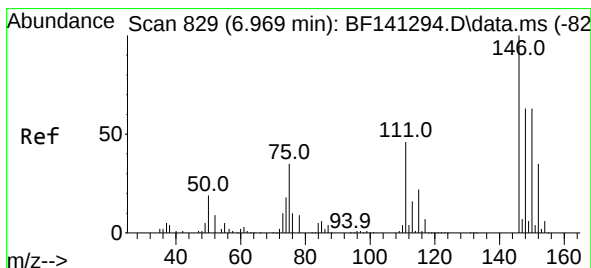
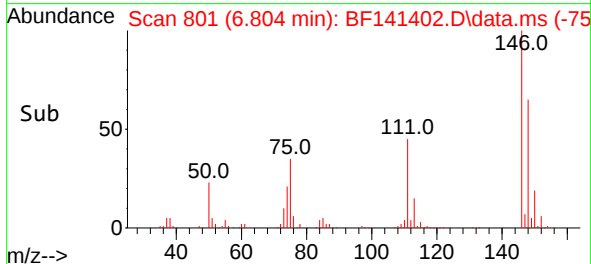
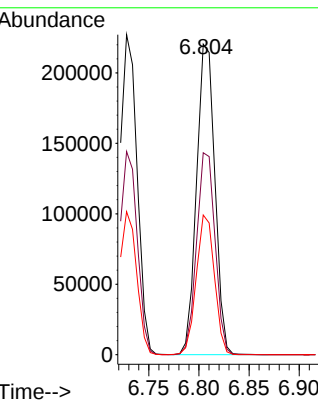
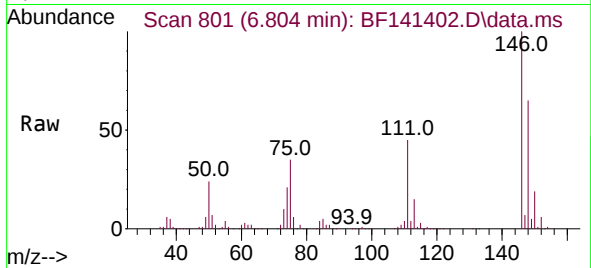
111 45.0 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#14

1,2-Dichlorobenzene

Concen: 42.346 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.018 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

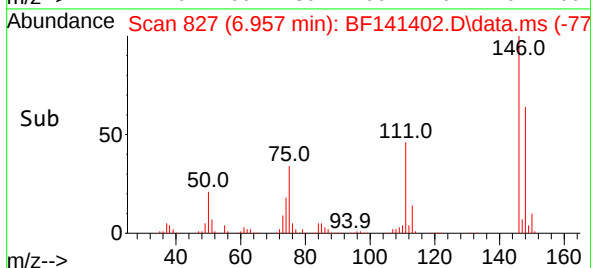
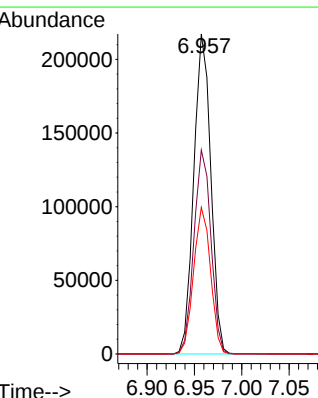
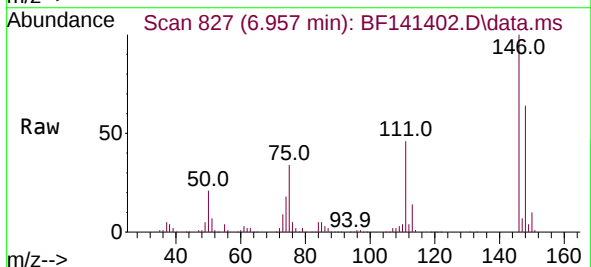
Tgt Ion:146 Resp: 270774

Ion Ratio Lower Upper

146 100

148 63.7 50.5 75.7

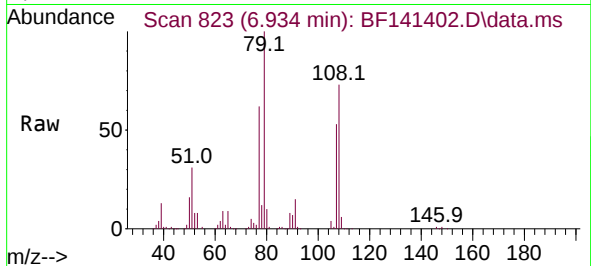
111 45.8 36.6 55.0





#15
Benzyl Alcohol
Concen: 47.156 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

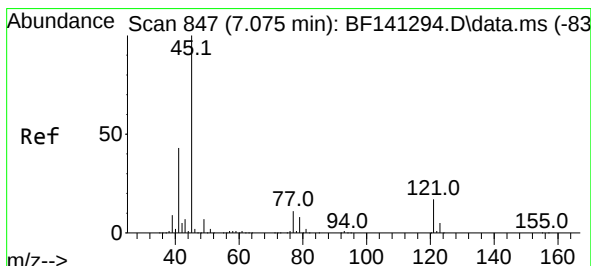
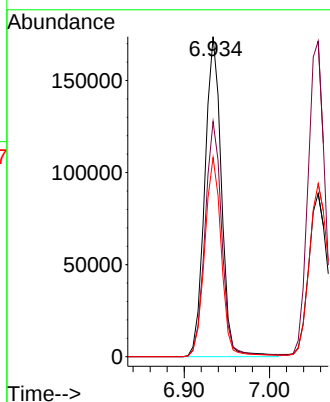
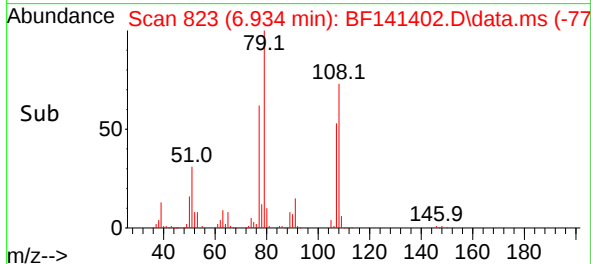
Instrument :
BNA_F
ClientSampleId :
PB166465BS



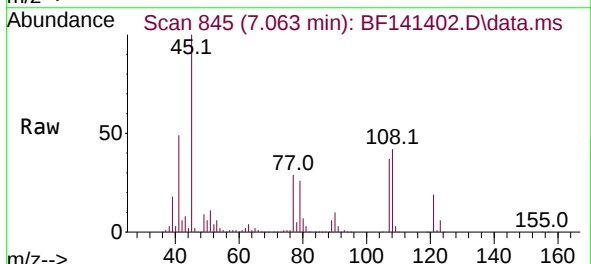
Tgt Ion: 79 Resp: 235799
Ion Ratio Lower Upper
79 100
108 73.5 61.4 92.0
77 62.2 49.9 74.9

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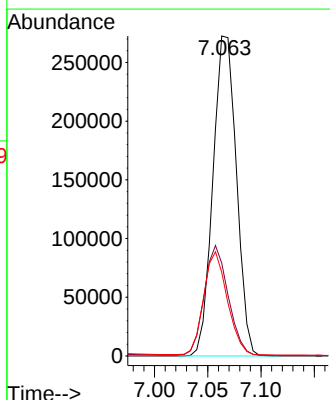
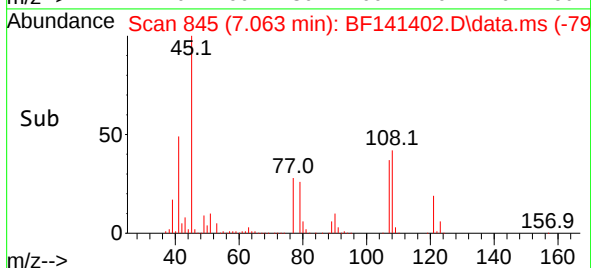
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

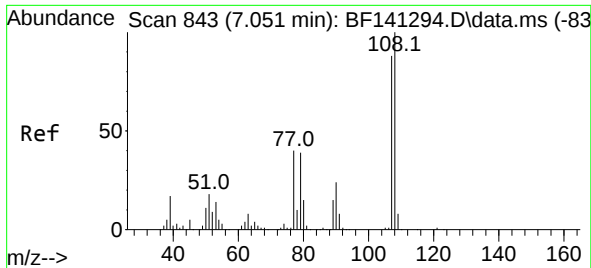


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.372 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.018 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28



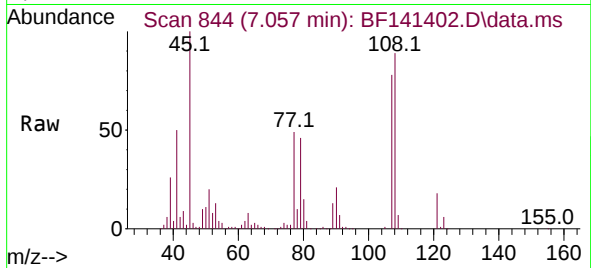
Tgt Ion: 45 Resp: 417513
Ion Ratio Lower Upper
45 100
77 29.1 0.0 31.8
79 26.1 0.0 29.1





#17
2-Methylphenol
Concen: 41.553 ng
RT: 7.057 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

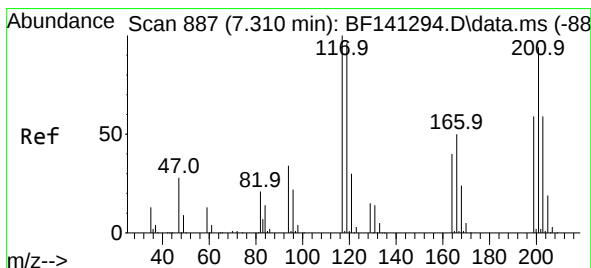
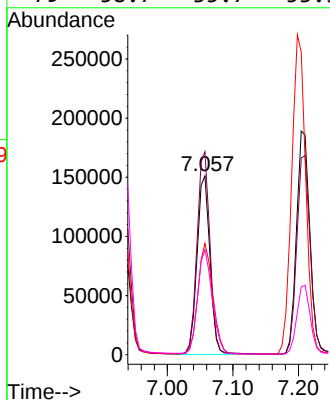
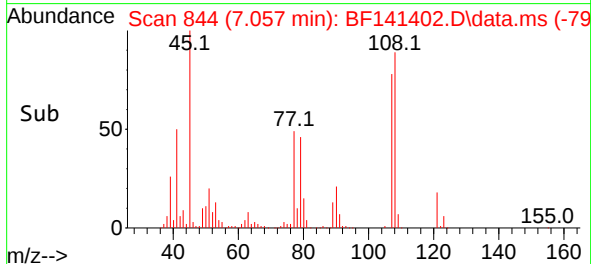
Instrument :
BNA_F
ClientSampleId :
PB166465BS



Tgt Ion:107 Resp: 208200
Ion Ratio Lower Upper
107 100
108 113.5 90.8 136.2
77 62.2 36.2 54.4
79 58.7 35.7 53.5#

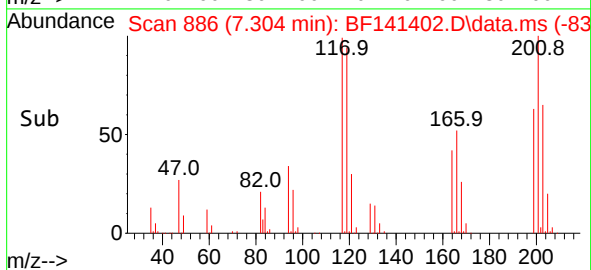
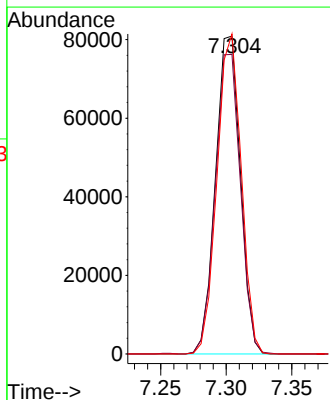
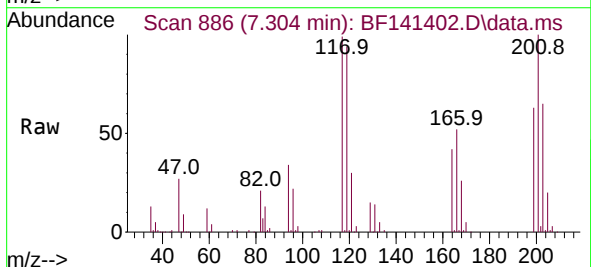
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#18
Hexachloroethane
Concen: 42.379 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Tgt Ion:117 Resp: 106760
Ion Ratio Lower Upper
117 100
119 94.2 76.6 114.8
201 100.7 74.8 112.2





#19
n-Nitroso-di-n-propylamine
Concen: 42.945 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.024 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

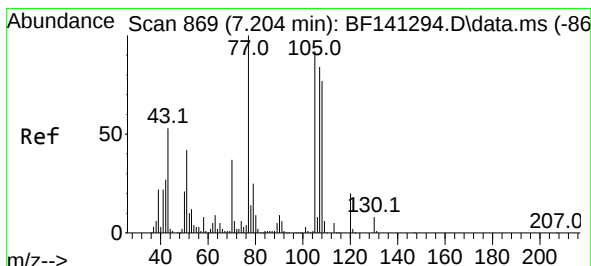
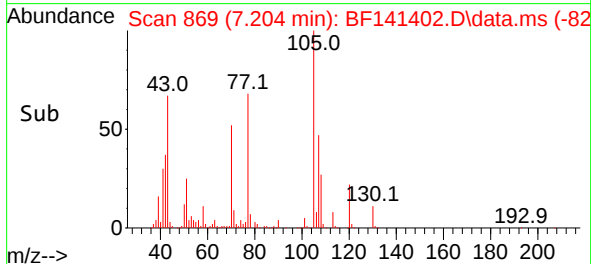
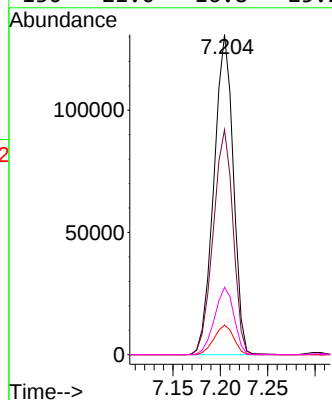
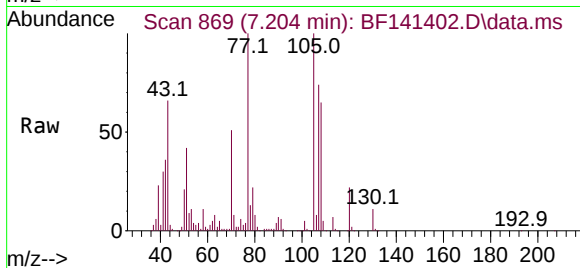
PB166465BS

Tgt Ion: 70 Resp: 186715
Ion Ratio Lower Upper
70 100
42 70.3 56.8 85.2
101 9.2 7.7 11.5
130 21.0 16.8 25.2

Manual Integrations

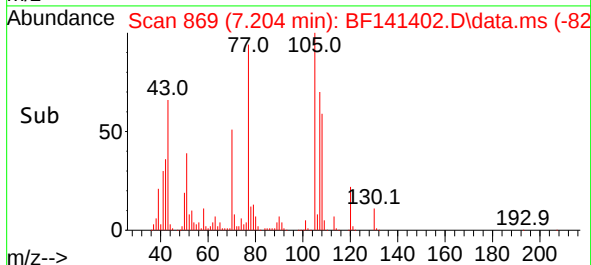
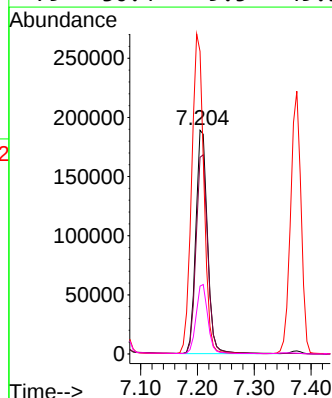
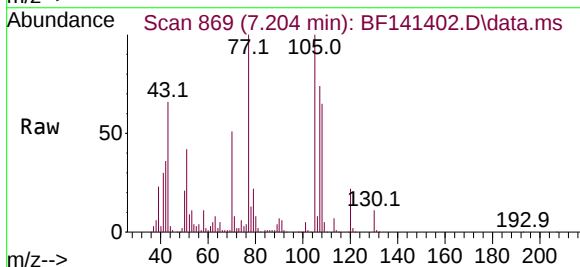
APPROVED

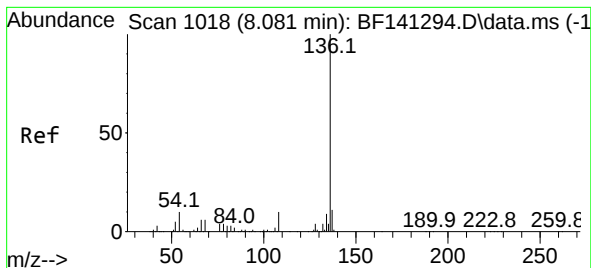
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#20
3+4-Methylphenols
Concen: 43.847 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Tgt Ion:107 Resp: 269748
Ion Ratio Lower Upper
107 100
108 87.9 70.9 110.9
77 135.2 98.5 138.5
79 30.4 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1017

Delta R.T. -0.012 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS

Tgt Ion:136 Resp: 35645

Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 8.9 7.8 11.8

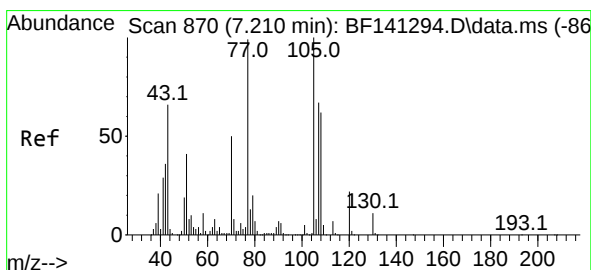
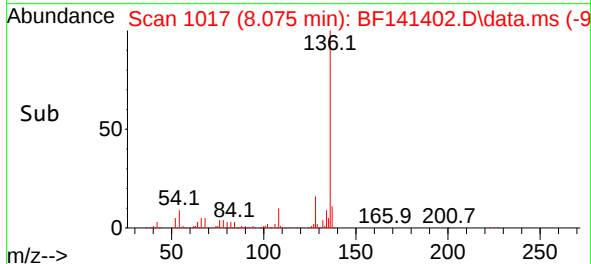
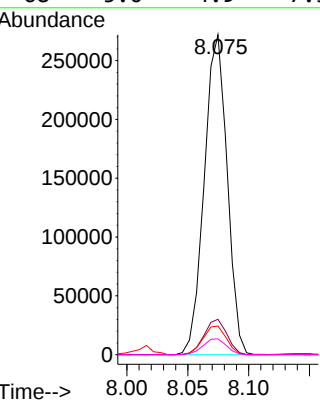
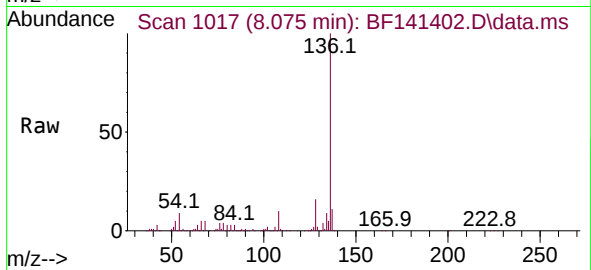
68 5.0 4.9 7.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#22

Acetophenone

Concen: 48.055 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.018 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

Tgt Ion:105 Resp: 407161

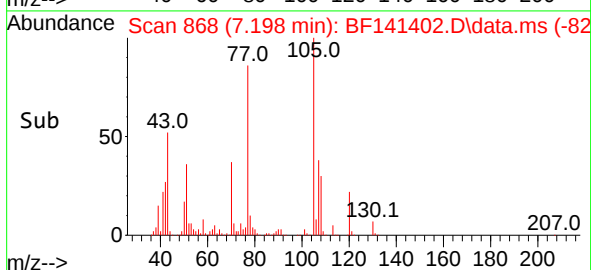
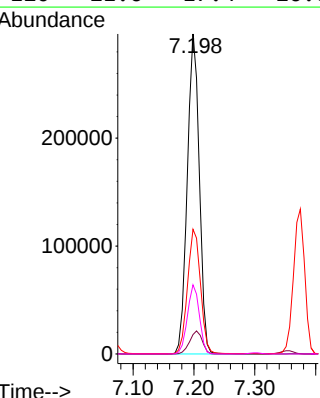
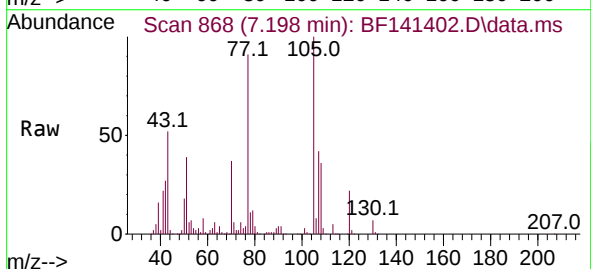
Ion Ratio Lower Upper

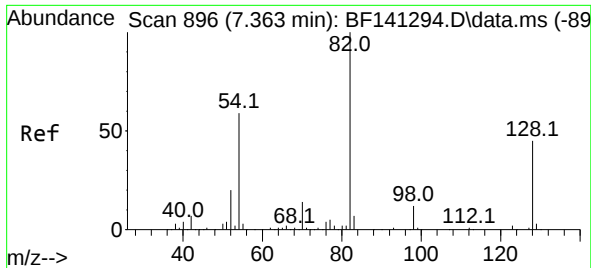
105 100

71 6.1 6.8 10.2#

51 38.9 32.6 49.0

120 21.6 17.4 26.0





#23

Nitrobenzene-d5

Concen: 92.271 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141402.D

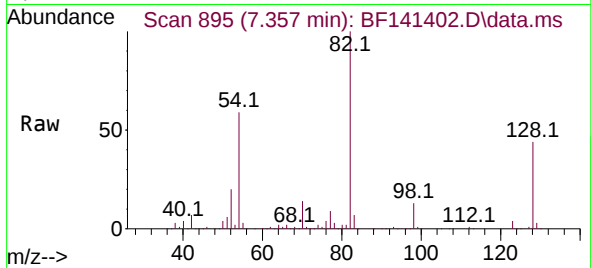
Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS



Tgt Ion: 82 Resp: 623908

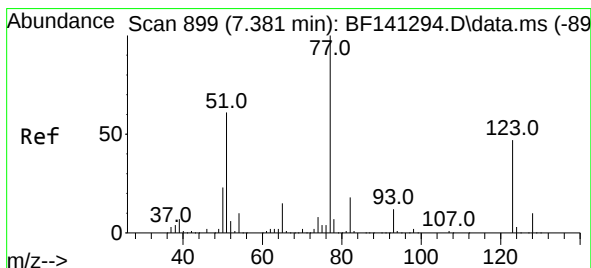
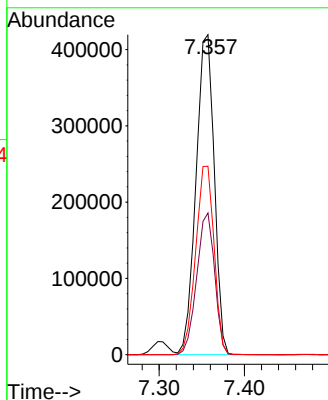
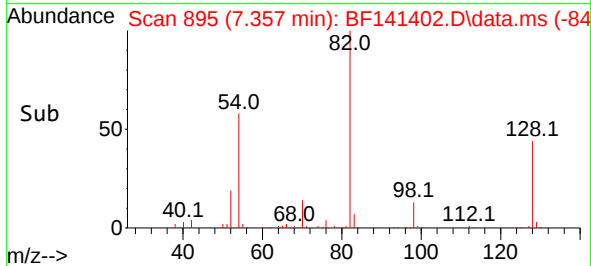
Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.7	53.5
54	58.9	47.1	70.7

Manual Integrations

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Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#24

Nitrobenzene

Concen: 40.339 ng

RT: 7.375 min Scan# 898

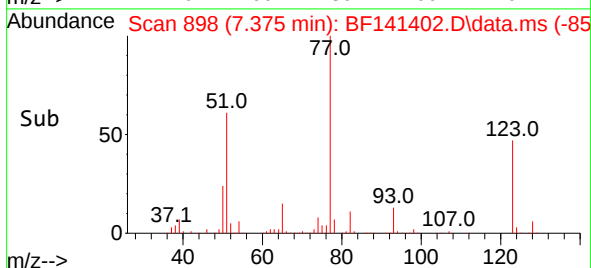
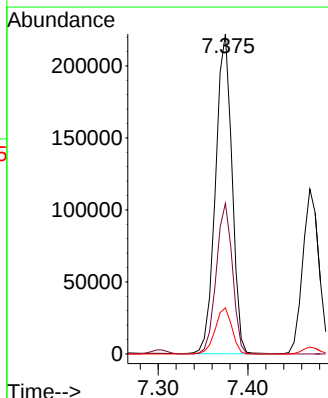
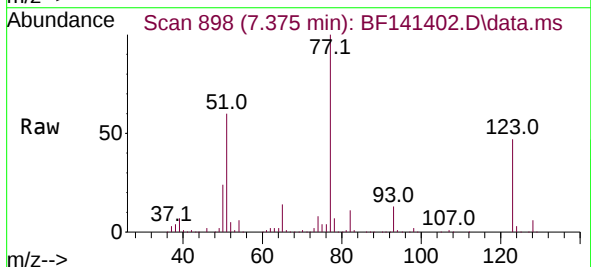
Delta R.T. -0.018 min

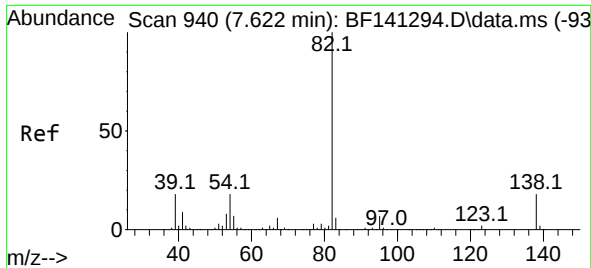
Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

Tgt Ion: 77 Resp: 282663

Ion	Ratio	Lower	Upper
77	100		
123	47.1	37.3	55.9
65	14.4	11.8	17.6





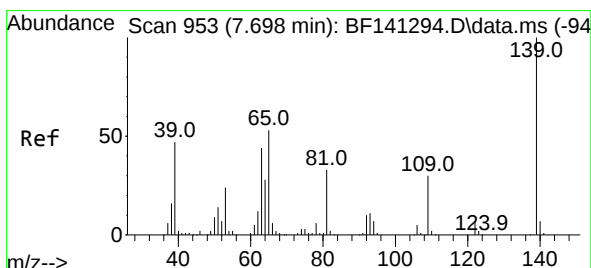
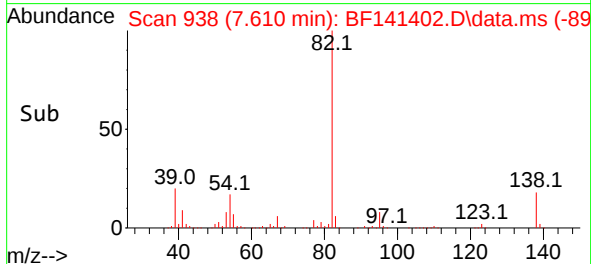
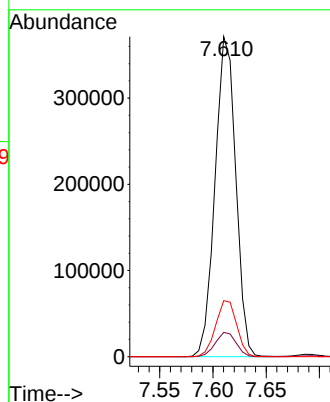
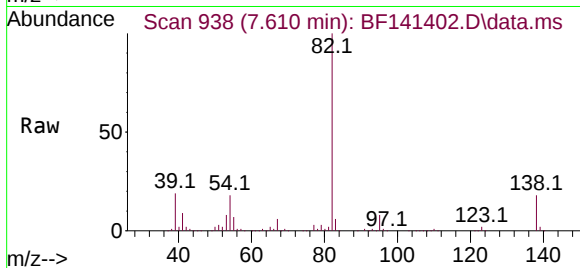
#25
Isophorone
Concen: 42.952 ng
RT: 7.610 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Instrument :
BNA_F
ClientSampleId :
PB166465BS

Tgt Ion: 82 Resp: 50203
Ion Ratio Lower Upper
82 100
95 7.6 5.8 8.6
138 17.5 14.7 22.1

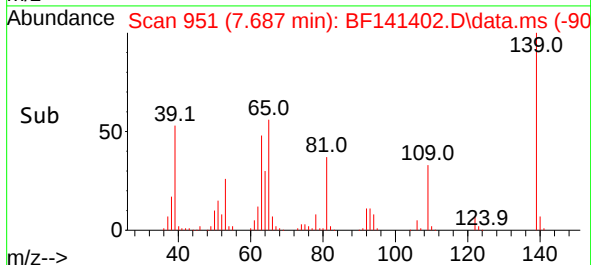
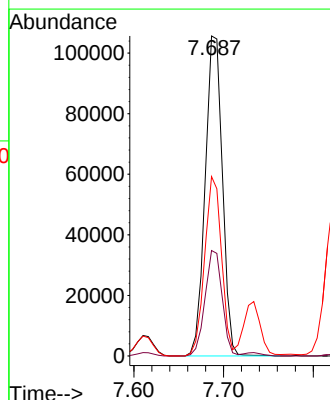
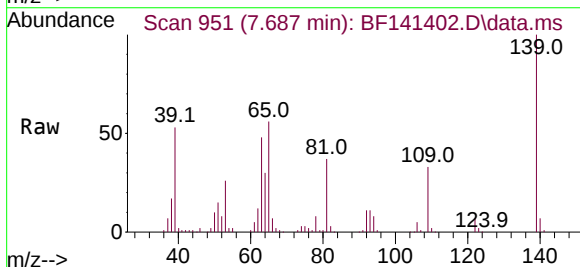
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#26
2-Nitrophenol
Concen: 42.714 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.018 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Tgt Ion:139 Resp: 141155
Ion Ratio Lower Upper
139 100
109 33.0 23.8 35.6
65 56.0 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 52.206 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141402.D

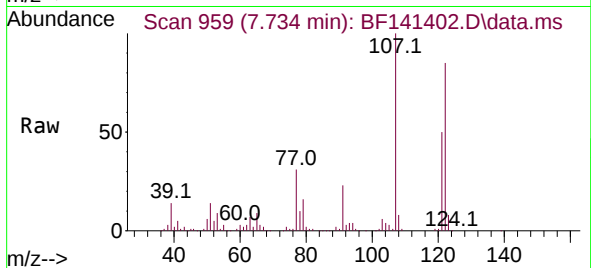
Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS



Tgt Ion:122 Resp: 219590

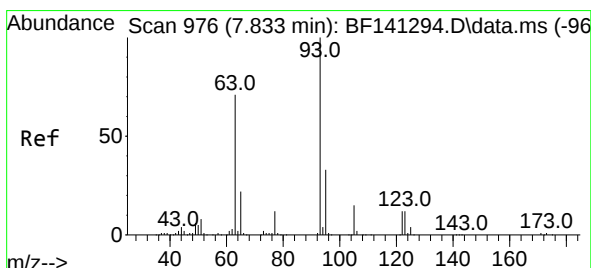
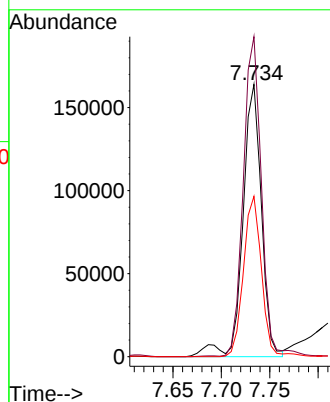
Ion	Ratio	Lower	Upper
122	100		
107	117.5	89.9	134.9
121	58.9	46.1	69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#28

bis(2-Chloroethoxy)methane

Concen: 40.723 ng

RT: 7.822 min Scan# 974

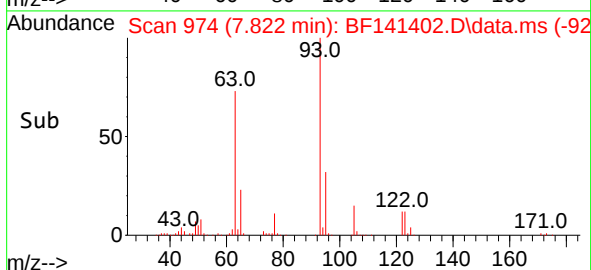
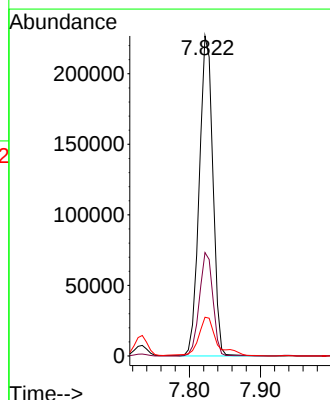
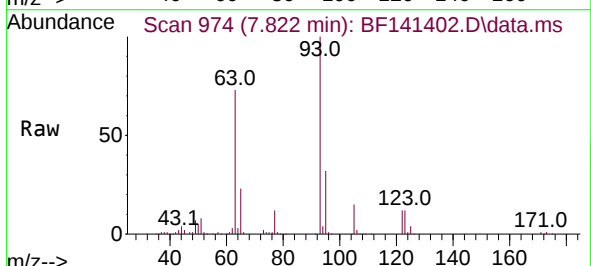
Delta R.T. -0.018 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

Tgt Ion: 93 Resp: 303611

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.2
123	12.1	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 43.104 ng

RT: 7.940 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141402.D

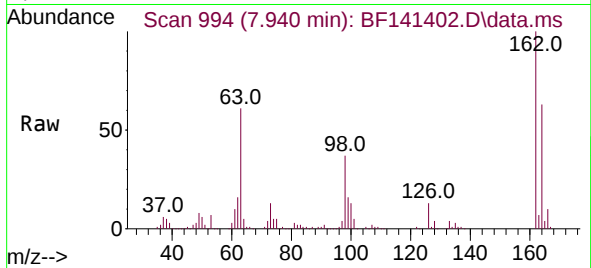
Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS



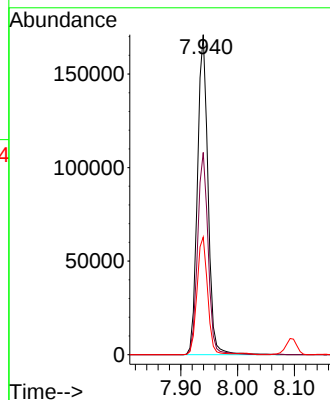
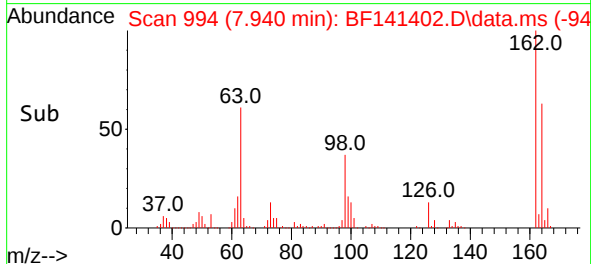
Tgt Ion:162	Resp:	221962
Ion Ratio	Lower	Upper
162	100	
164	63.2	44.2 84.2
98	36.8	18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#30

1,2,4-Trichlorobenzene

Concen: 40.650 ng

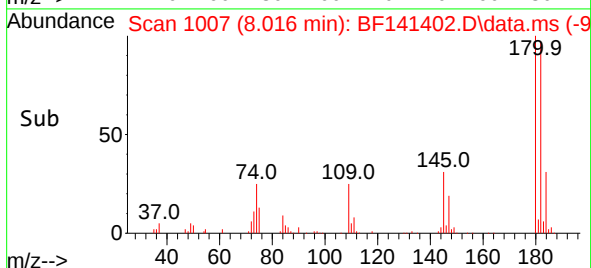
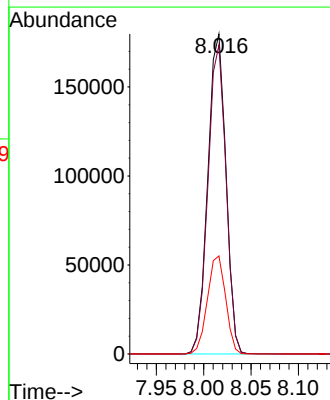
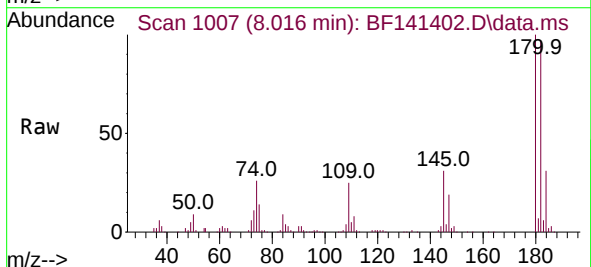
RT: 8.016 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

Tgt Ion:180	Resp:	239056
Ion Ratio	Lower	Upper
180	100	
182	96.5	76.4 114.6
145	30.7	24.9 37.3





#31
Naphthalene
Concen: 40.870 ng
RT: 8.092 min Scan# 1022
Delta R.T. -0.018 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

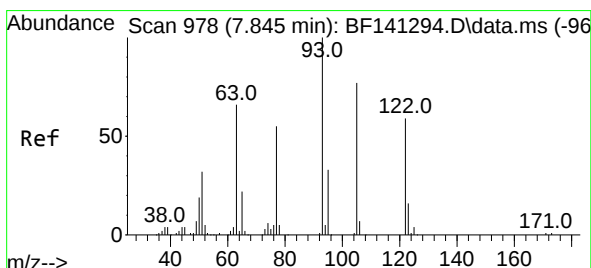
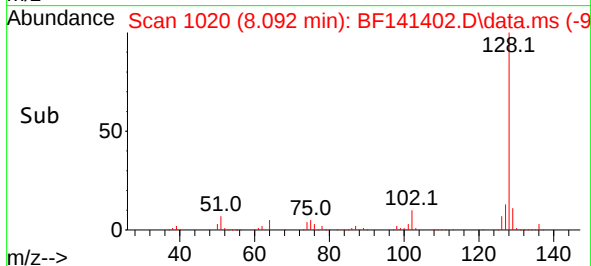
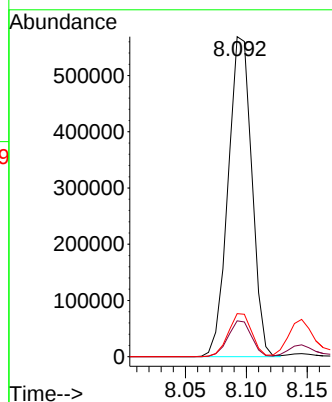
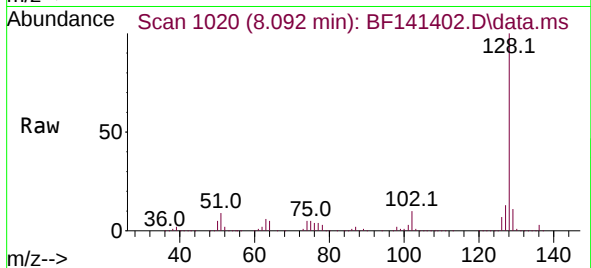
ClientSampleId :

PB166465BS

Tgt Ion:128 Resp: 76959
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.5 10.6 15.8

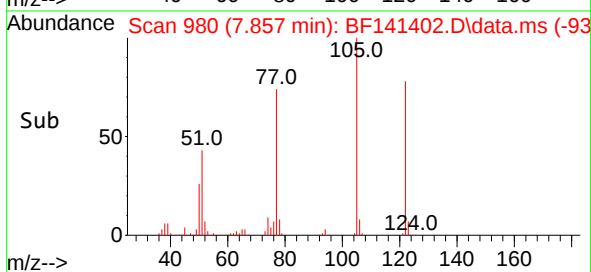
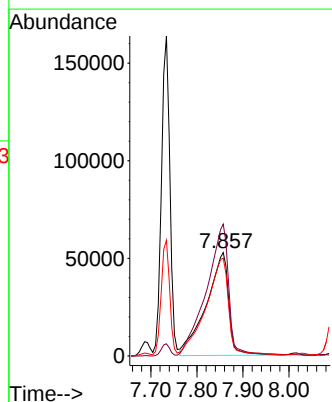
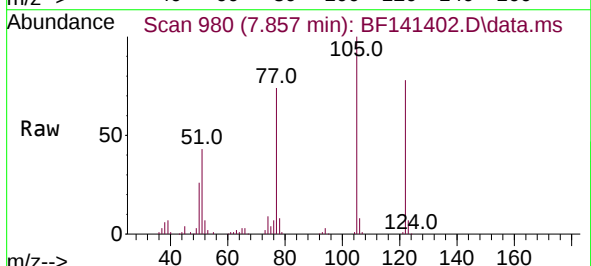
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#32
Benzoic acid
Concen: 46.271 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Tgt Ion:122 Resp: 178919
Ion Ratio Lower Upper
122 100
105 127.6 103.4 143.4
77 94.8 70.9 110.9





#33

4-Chloroaniline

Concen: 17.514 ng

RT: 8.145 min Scan# 1029

Delta R.T. -0.012 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS

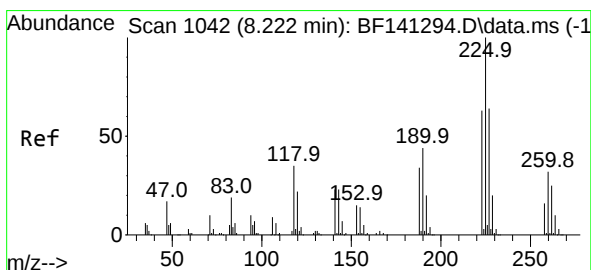
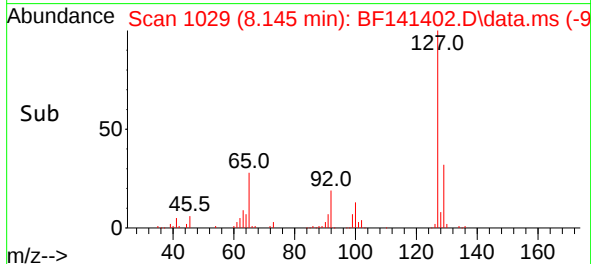
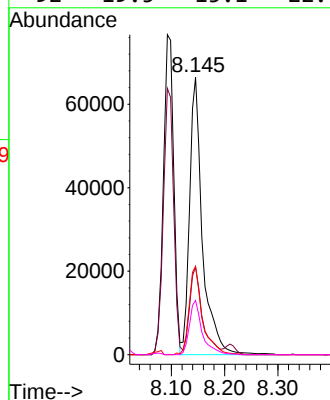
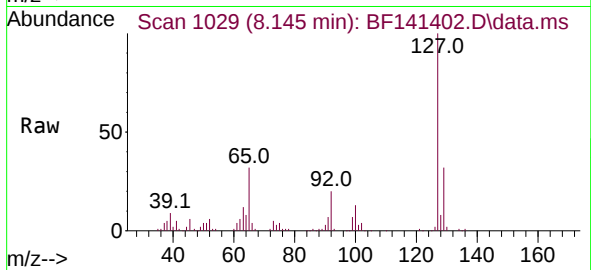
Tgt Ion:	127	Resp:	11183
Ion Ratio	Lower	Upper	
127	100		
129	31.7	25.7	38.5
65	31.8	26.4	39.6
92	19.5	15.1	22.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#34

Hexachlorobutadiene

Concen: 42.547 ng

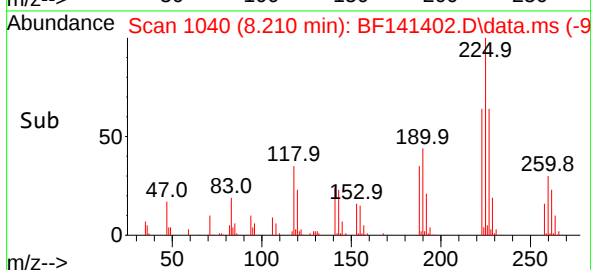
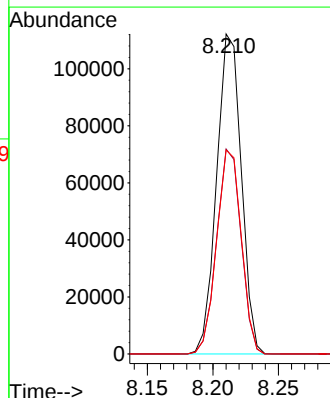
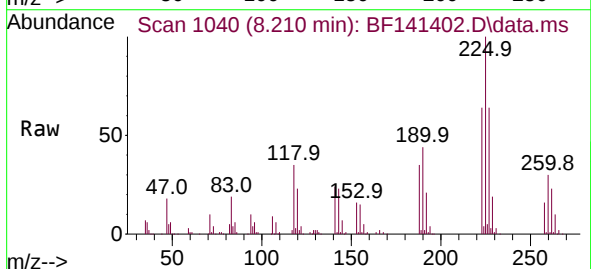
RT: 8.210 min Scan# 1040

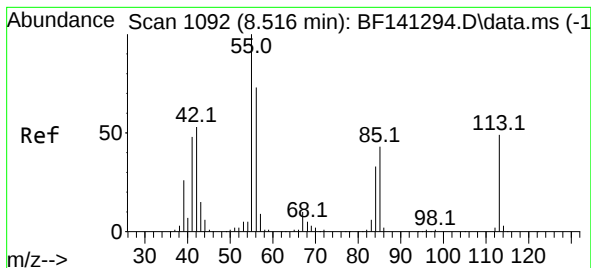
Delta R.T. -0.012 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

Tgt Ion:	225	Resp:	146733
Ion Ratio	Lower	Upper	
225	100		
223	64.1	50.4	75.6
227	63.8	51.3	76.9





#35

Caprolactam

Concen: 45.044 ng m

RT: 8.510 min Scan# 1109

Delta R.T. -0.035 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

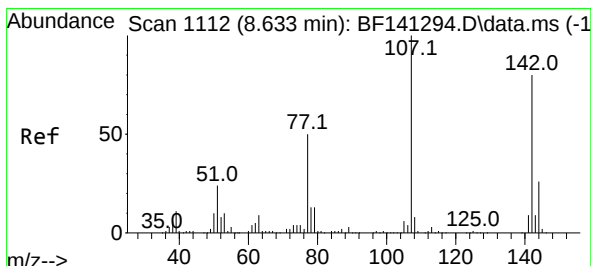
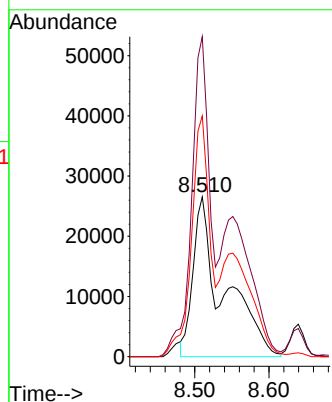
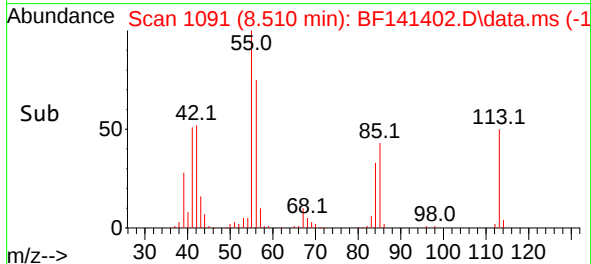
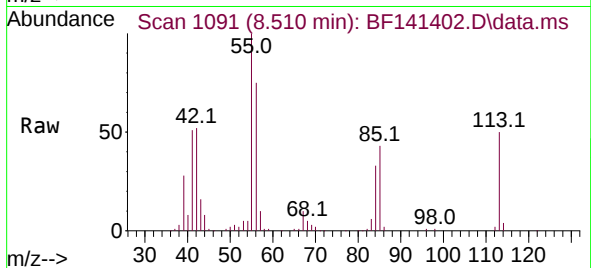
PB166465BS

Tgt Ion:113 Resp: 75752
 Ion Ratio Lower Upper
 113 100
 55 200.2 182.9 222.9
 56 150.7 127.9 167.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025



#36

4-Chloro-3-methylphenol

Concen: 43.225 ng

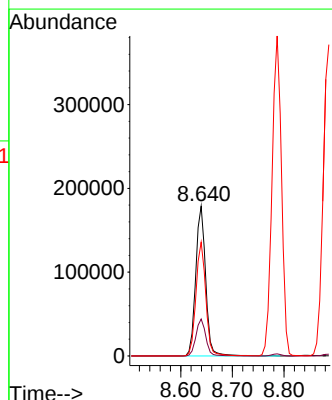
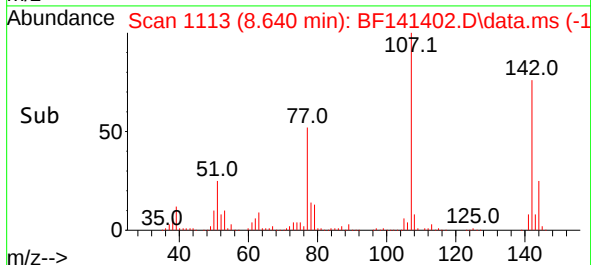
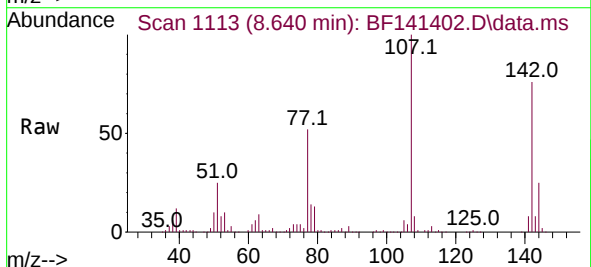
RT: 8.640 min Scan# 1113

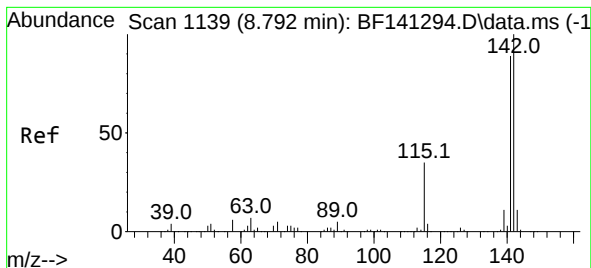
Delta R.T. -0.000 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

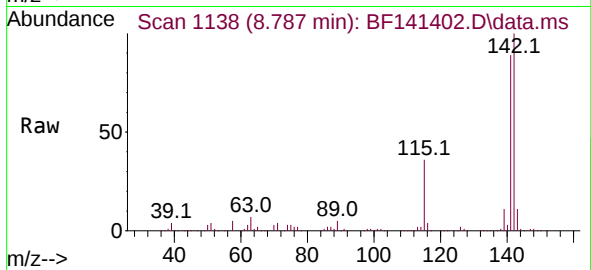
Tgt Ion:107 Resp: 238755
 Ion Ratio Lower Upper
 107 100
 144 24.7 20.7 31.1
 142 75.9 63.8 95.8





#37
2-Methylnaphthalene
Concen: 40.592 ng
RT: 8.787 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

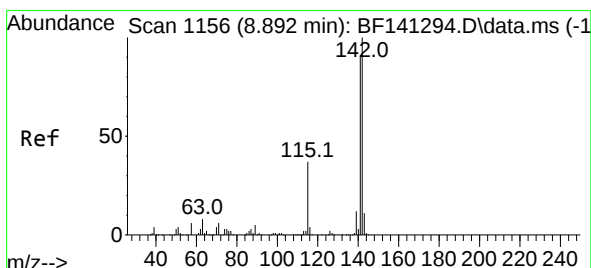
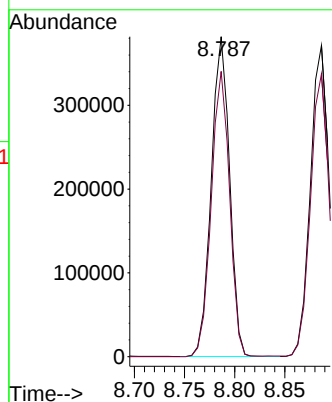
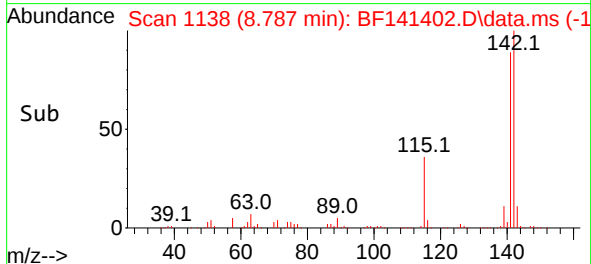
Instrument :
BNA_F
ClientSampleId :
PB166465BS



Tgt Ion:142 Resp: 485815
Ion Ratio Lower Upper
142 100
141 89.2 71.3 106.9

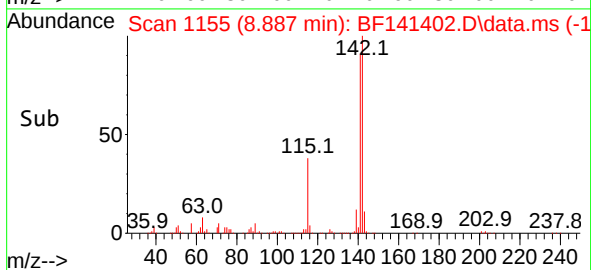
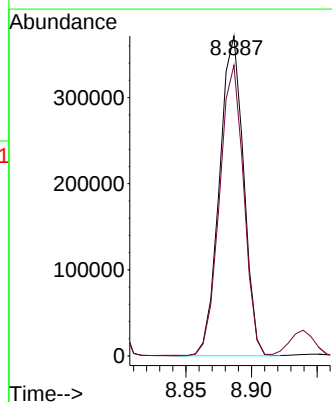
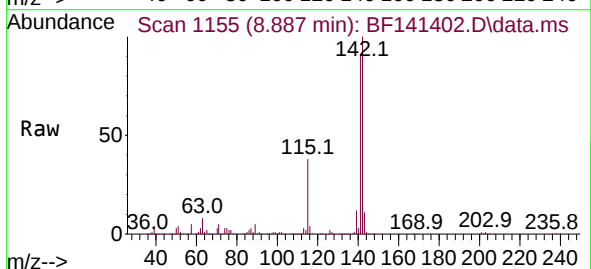
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#38
1-Methylnaphthalene
Concen: 40.446 ng
RT: 8.887 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Tgt Ion:142 Resp: 475503
Ion Ratio Lower Upper
142 100
141 90.9 73.2 109.8





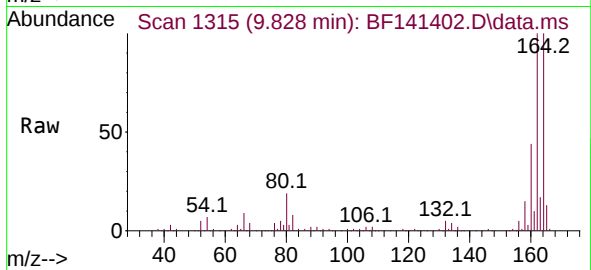
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1165
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS



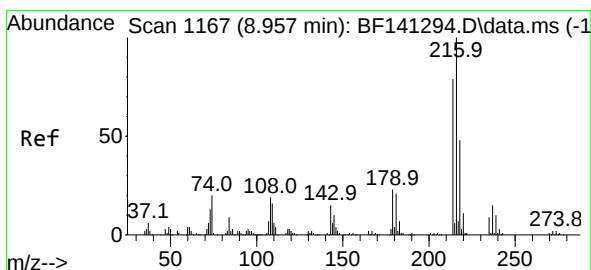
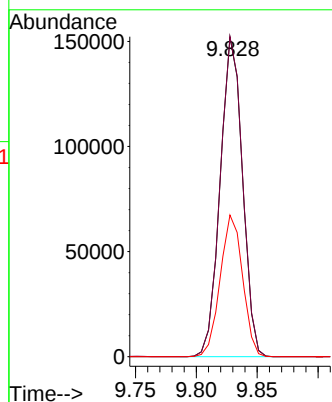
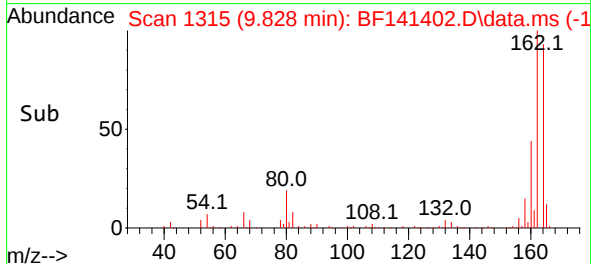
Tgt Ion:164 Resp: 19343
Ion Ratio Lower Upper
164 100
162 100.2 80.6 121.0
160 44.3 35.8 53.6

Manual Integrations

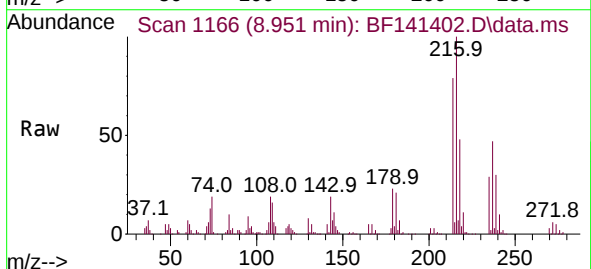
APPROVED

Reviewed By :Yogesh Patel 02/05/2025

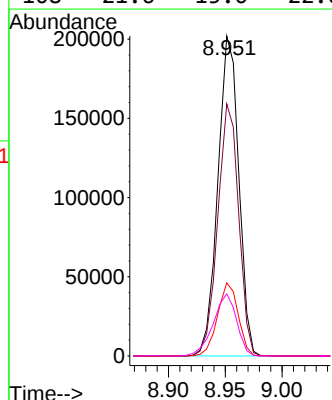
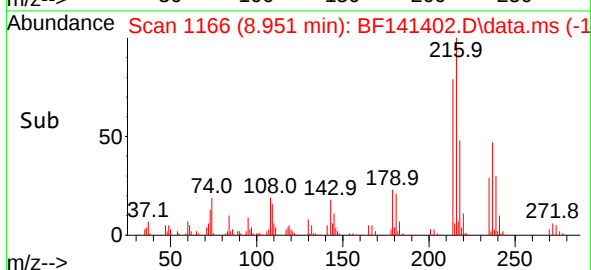
Supervised By :mohammad ahmed 02/05/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.976 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28



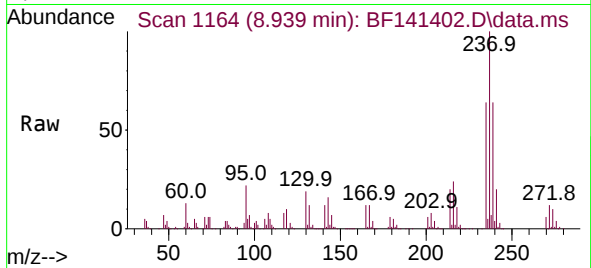
Tgt Ion:216 Resp: 258510
Ion Ratio Lower Upper
216 100
214 78.7 63.2 94.8
179 22.6 17.8 26.8
108 21.6 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 190.859 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

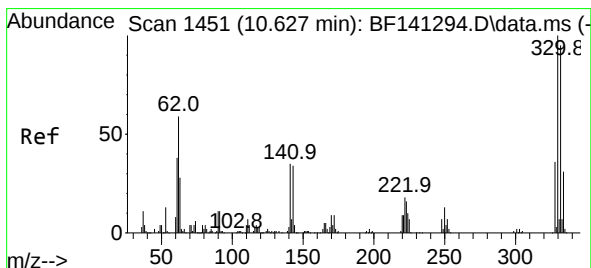
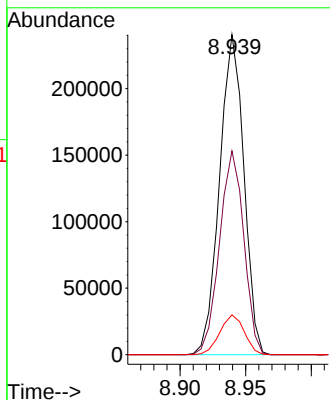
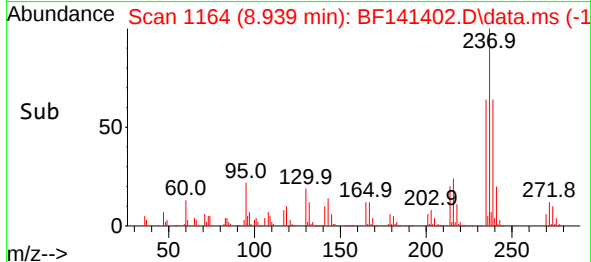
Instrument :
BNA_F
ClientSampleId :
PB166465BS



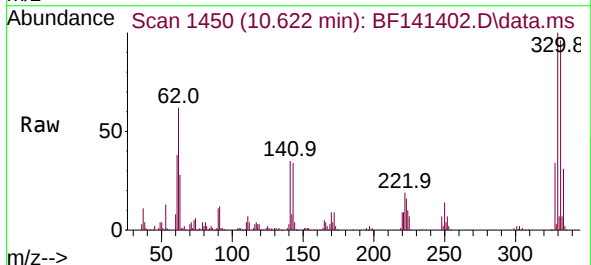
Tgt Ion:237 Resp: 31018
Ion Ratio Lower Upper
237 100
235 63.7 42.9 82.9
272 12.4 0.0 32.8

Manual Integrations
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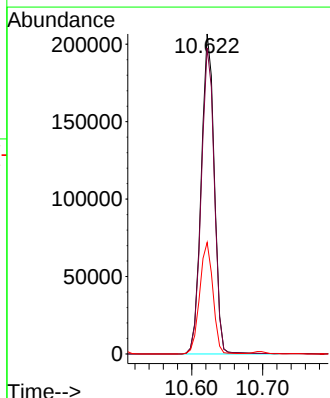
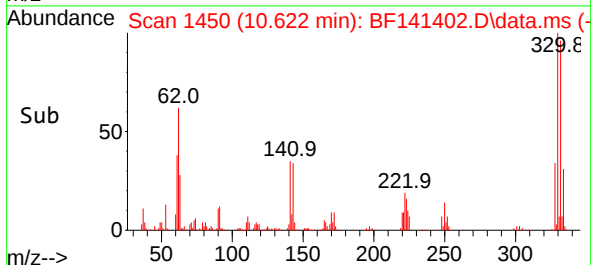
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#42
2,4,6-Tribromophenol
Concen: 149.648 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28



Tgt Ion:330 Resp: 265382
Ion Ratio Lower Upper
330 100
332 96.0 76.1 114.1
141 35.3 28.8 43.2





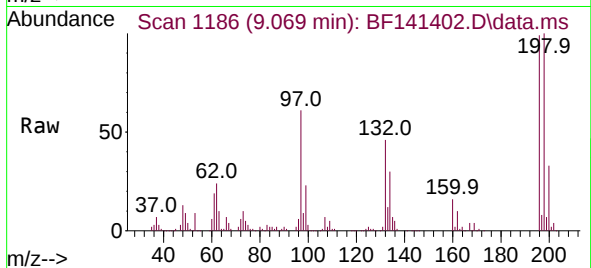
#43
2,4,6-Trichlorophenol
Concen: 43.276 ng
RT: 9.069 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS

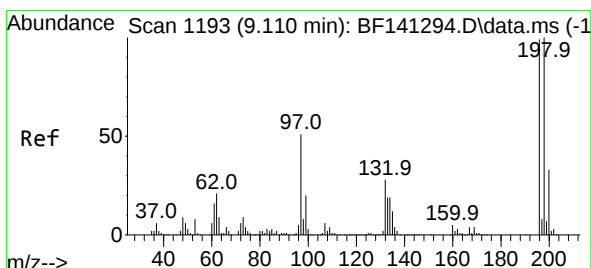
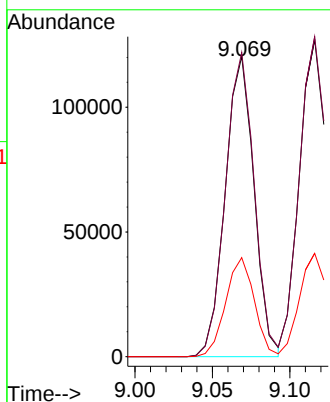
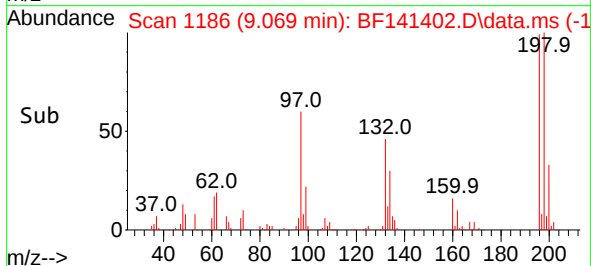


Tgt Ion:196 Resp: 155878
Ion Ratio Lower Upper
196 100
198 101.4 81.8 122.6
200 33.0 26.3 39.5

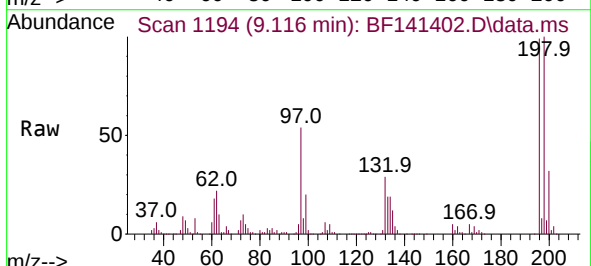
Manual Integrations

APPROVED

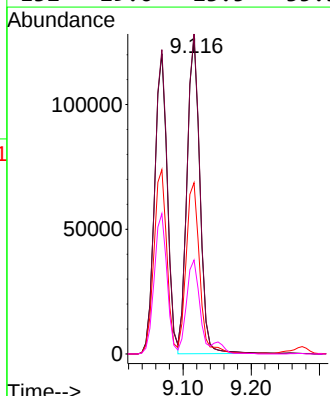
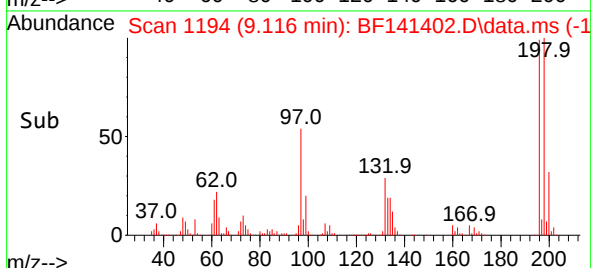
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

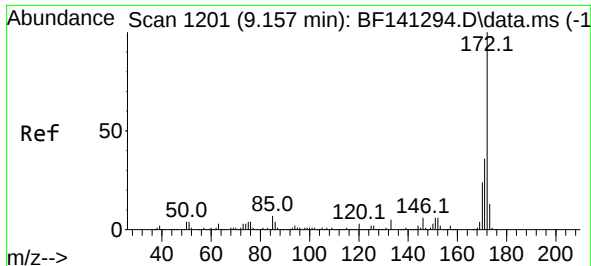


#44
2,4,5-Trichlorophenol
Concen: 42.178 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28



Tgt Ion:196 Resp: 165351
Ion Ratio Lower Upper
196 100
198 100.9 80.5 120.7
97 54.0 42.8 64.2
132 29.6 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 92.213 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS

Tgt Ion:172 Resp: 115888

Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

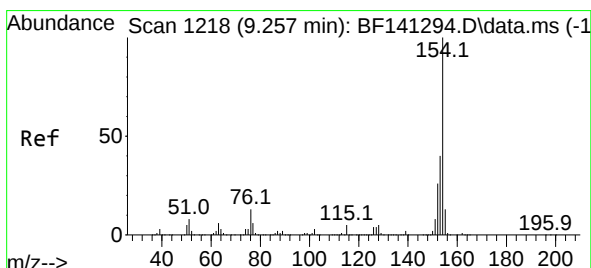
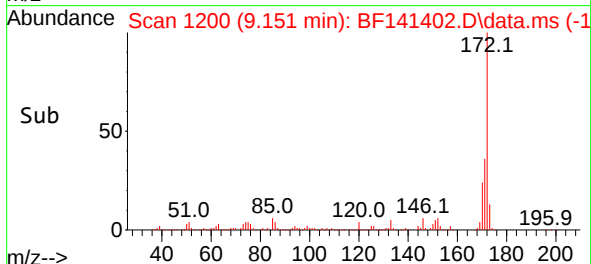
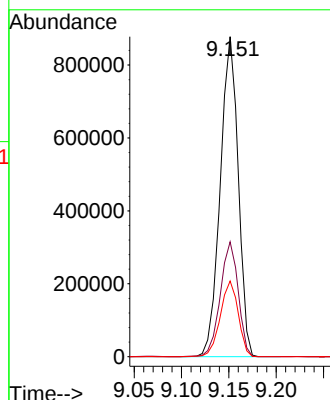
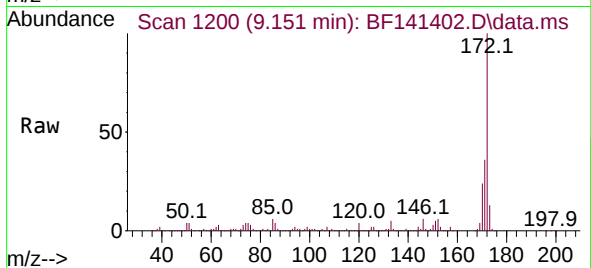
170 23.7 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#46

1,1'-Biphenyl

Concen: 46.659 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.012 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

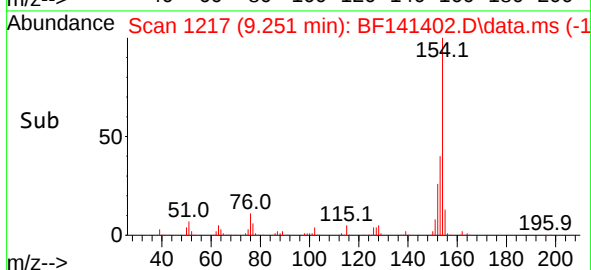
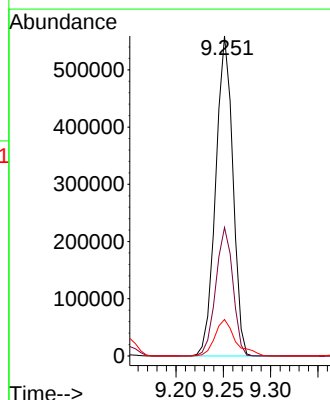
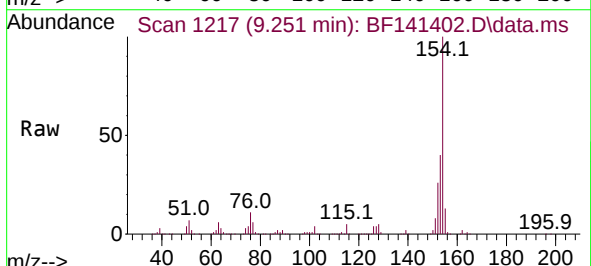
Tgt Ion:154 Resp: 703887

Ion Ratio Lower Upper

154 100

153 40.2 20.0 60.0

76 11.4 0.0 32.8





#47

2-Chloronaphthalene

Concen: 40.273 ng

RT: 9.275 min Scan# 1221

Delta R.T. -0.012 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS

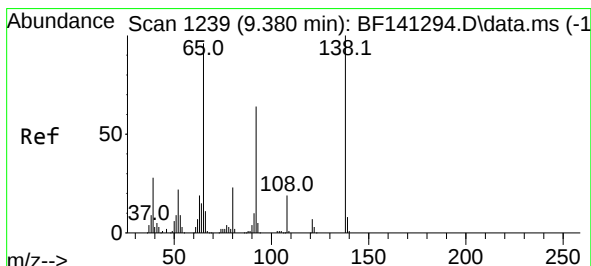
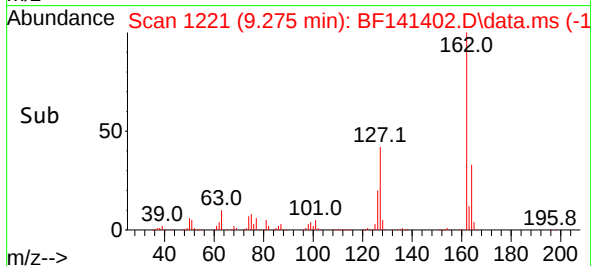
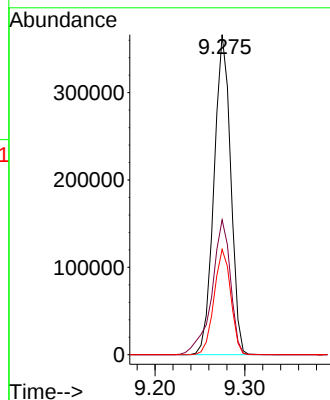
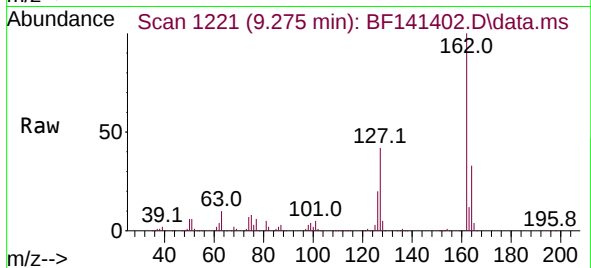
Tgt Ion:162 Resp: 47355
 Ion Ratio Lower Upper
 162 100
 127 42.2 33.7 50.5
 164 32.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#48

2-Nitroaniline

Concen: 43.057 ng

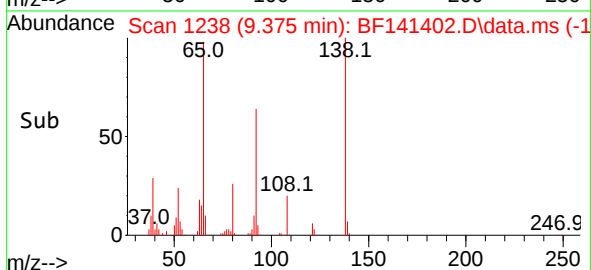
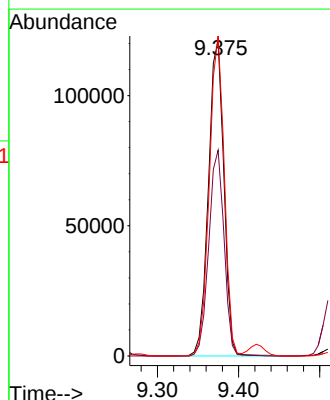
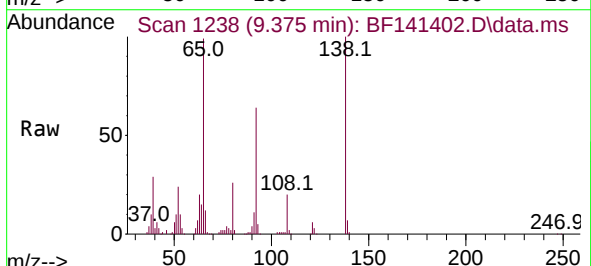
RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

Tgt Ion: 65 Resp: 159247
 Ion Ratio Lower Upper
 65 100
 92 65.1 53.3 79.9
 138 101.3 83.6 125.4





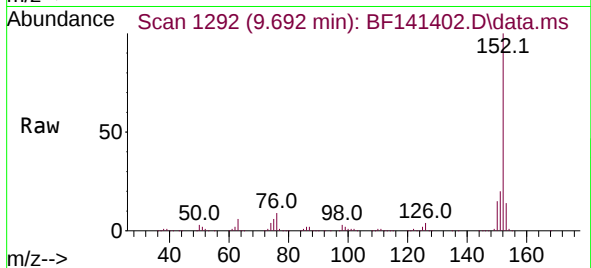
#49
Acenaphthylene
Concen: 44.986 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS

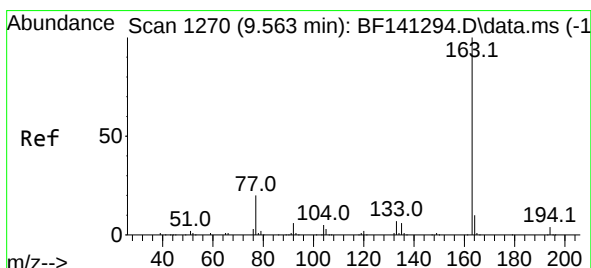
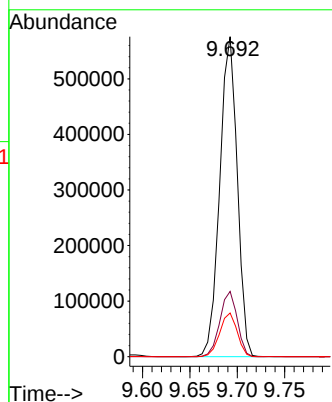
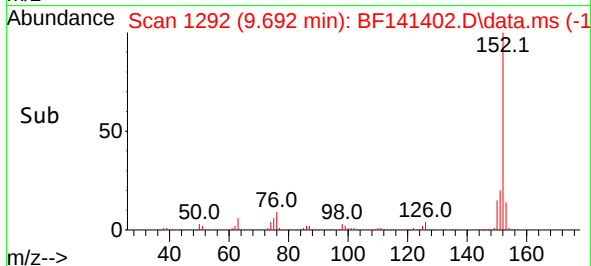


Tgt Ion:152 Resp: 740460
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.2
153 13.7 11.0 16.6

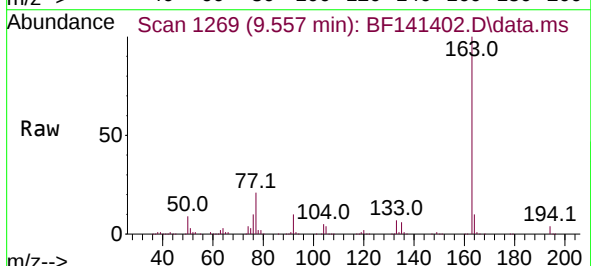
Manual Integrations

APPROVED

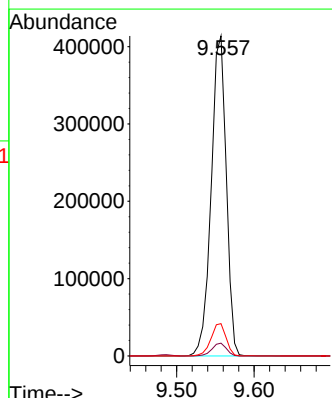
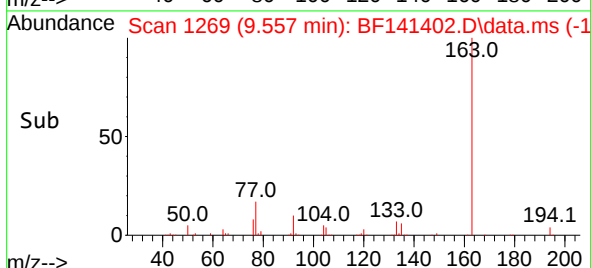
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

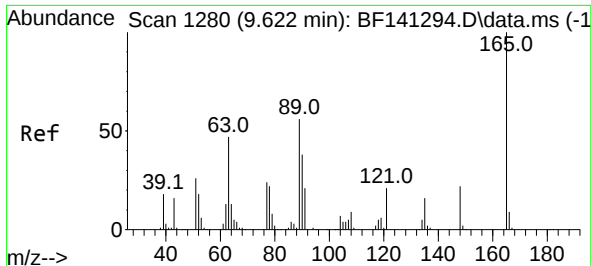


#50
Dimethylphthalate
Concen: 42.759 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28



Tgt Ion:163 Resp: 558629
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 10.1 8.0 12.0





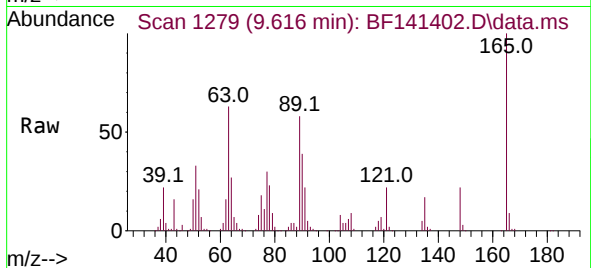
#51
2,6-Dinitrotoluene
Concen: 40.580 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS

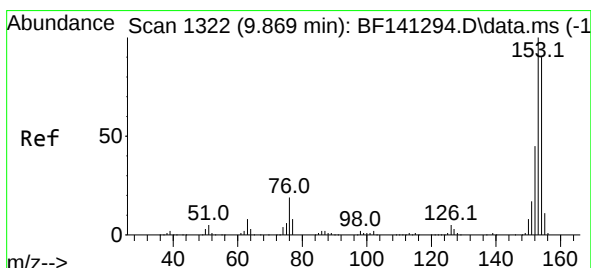
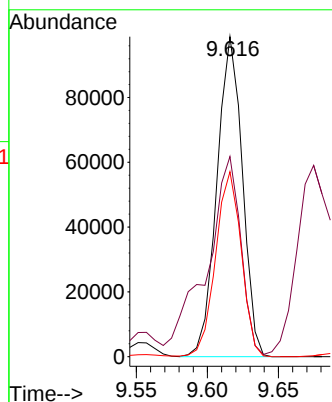
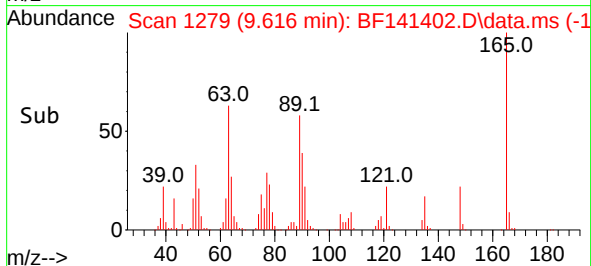


Tgt Ion:165 Resp: 123098
Ion Ratio Lower Upper
165 100
63 62.6 48.1 72.1
89 57.8 44.9 67.3

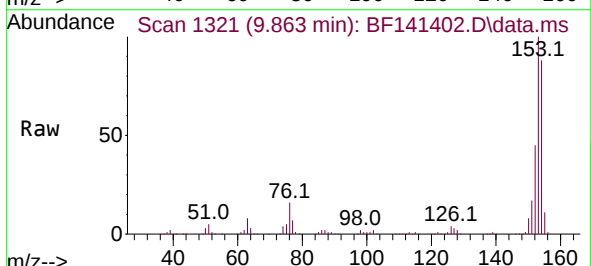
Manual Integrations

APPROVED

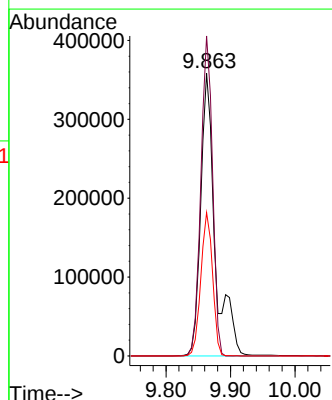
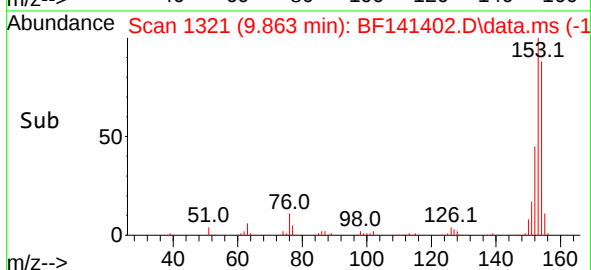
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

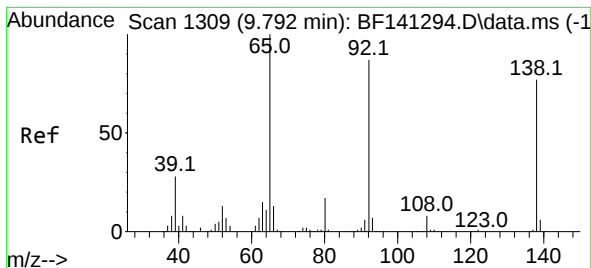


#52
Acenaphthene
Concen: 47.684 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28



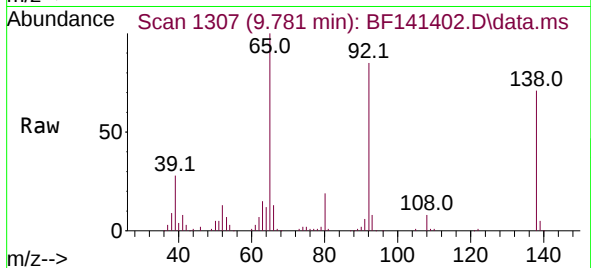
Tgt Ion:154 Resp: 560712
Ion Ratio Lower Upper
154 100
153 113.2 89.0 133.4
152 50.7 40.2 60.4





#53
3-Nitroaniline
Concen: 22.904 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

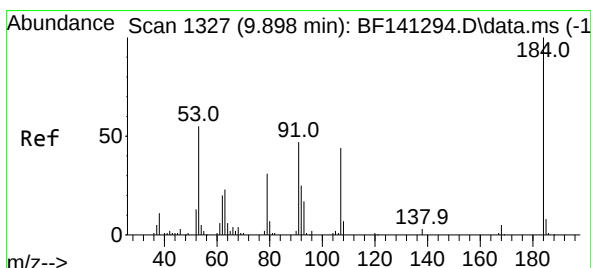
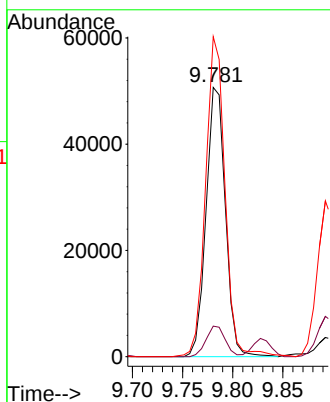
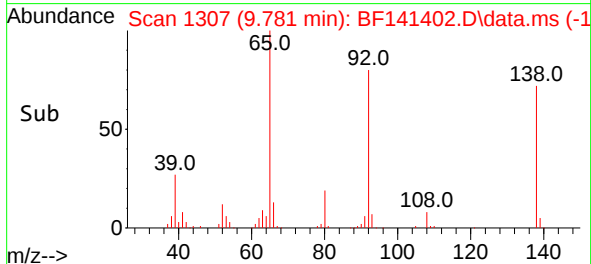
Instrument :
BNA_F
ClientSampleId :
PB166465BS



Tgt Ion:138 Resp: 6809
Ion Ratio Lower Upper
138 100
108 11.4 8.6 12.8
92 118.8 91.0 136.6

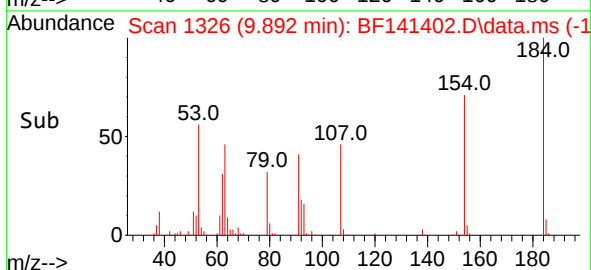
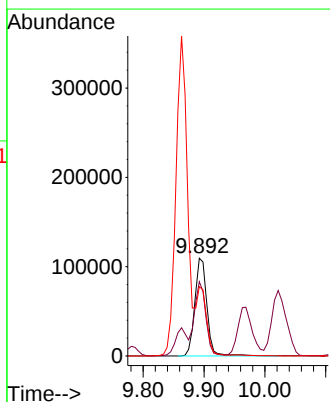
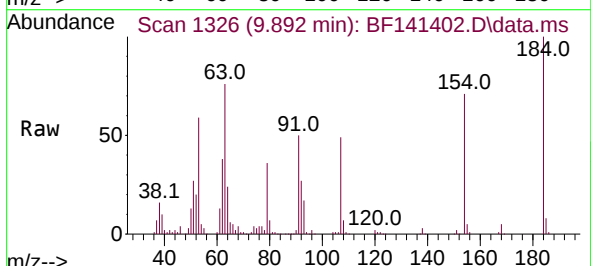
Manual Integrations
APPROVED

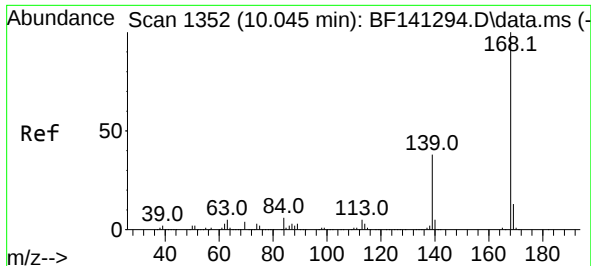
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#54
2,4-Dinitrophenol
Concen: 107.504 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

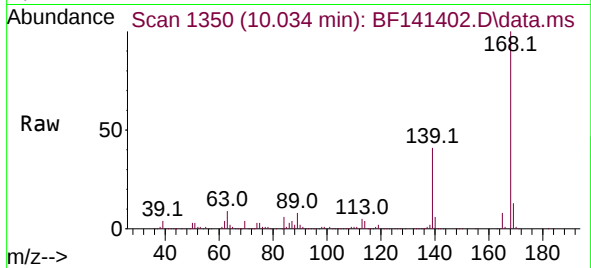
Tgt Ion:184 Resp: 151593
Ion Ratio Lower Upper
184 100
63 76.0 54.1 81.1
154 70.9 50.7 76.1





#55
Dibenzenofuran
Concen: 42.637 ng
RT: 10.034 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

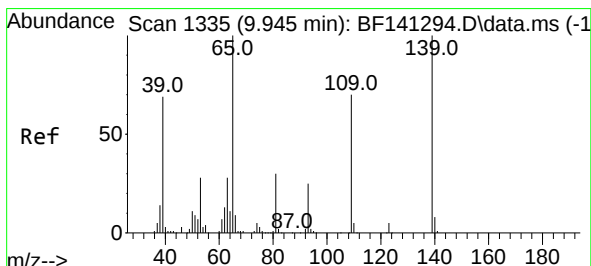
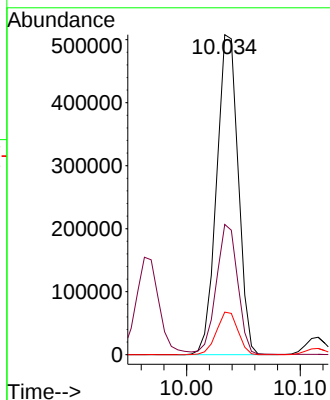
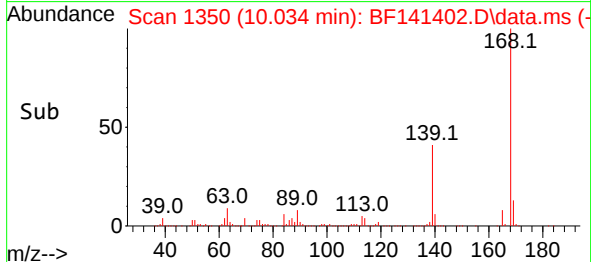
Instrument :
BNA_F
ClientSampleId :
PB166465BS



Tgt Ion:168 Resp: 671100
Ion Ratio Lower Upper
168 100
139 40.7 30.6 46.0
169 13.3 10.8 16.2

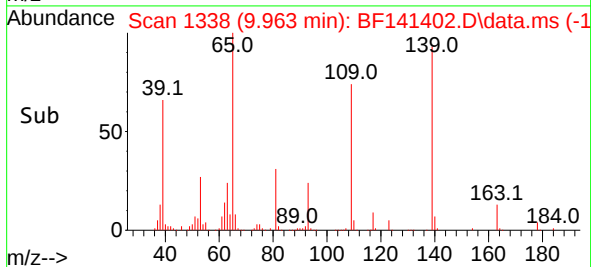
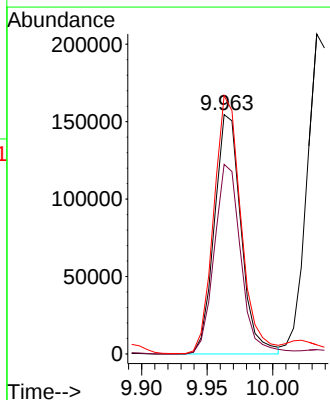
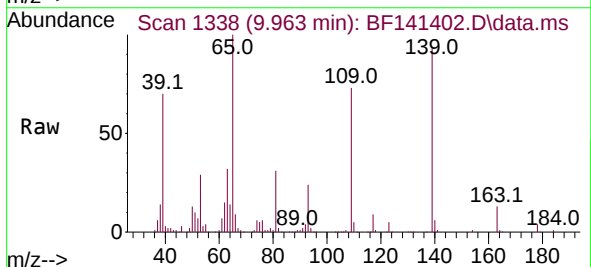
Manual Integrations
APPROVED

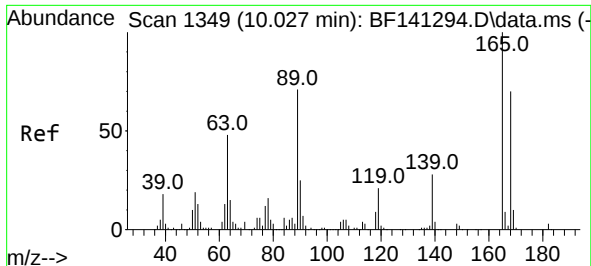
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#56
4-Nitrophenol
Concen: 100.404 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Tgt Ion:139 Resp: 218315
Ion Ratio Lower Upper
139 100
109 79.2 50.2 90.2
65 107.9 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 44.202 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

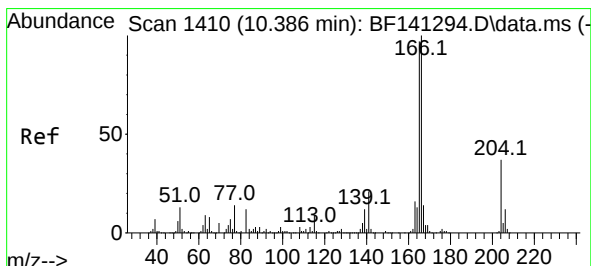
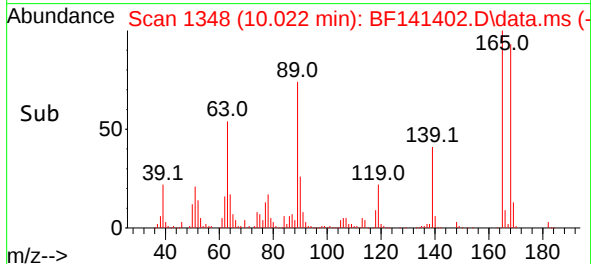
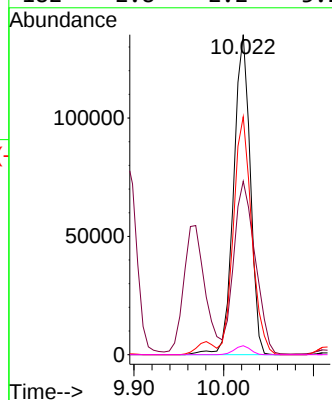
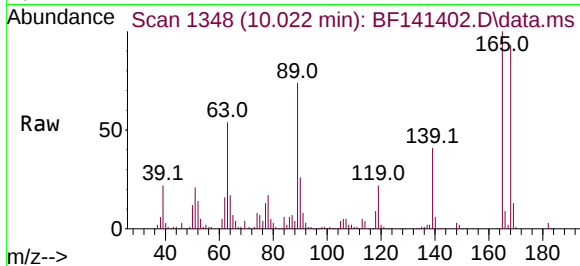
ClientSampleId :

PB166465BS

Tgt Ion:165 Resp: 173602
Ion Ratio Lower Upper
165 100
63 54.2 39.2 58.8
89 74.4 56.9 85.3
182 2.8 2.2 3.2

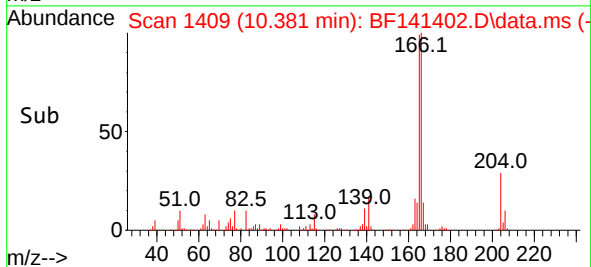
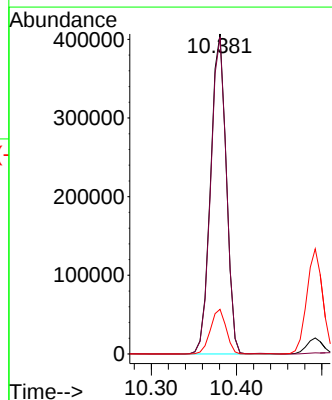
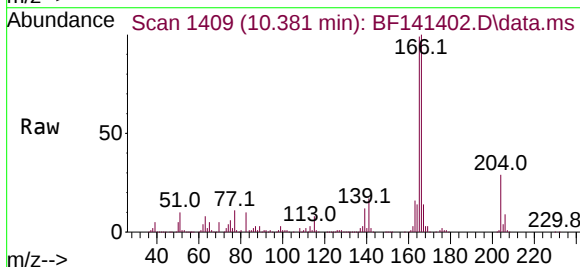
Manual Integrations
APPROVED

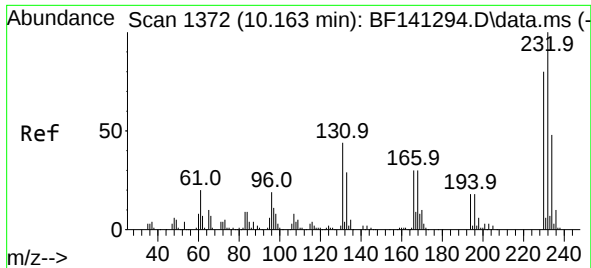
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#58
Fluorene
Concen: 42.465 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

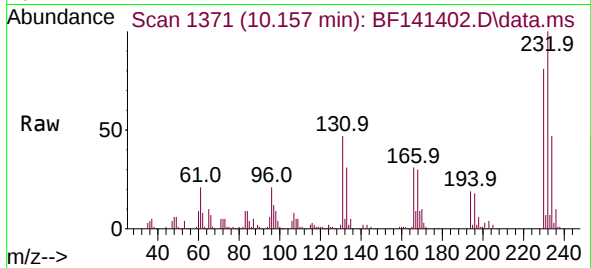
Tgt Ion:166 Resp: 518457
Ion Ratio Lower Upper
166 100
165 99.0 77.5 116.3
167 13.9 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 48.272 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

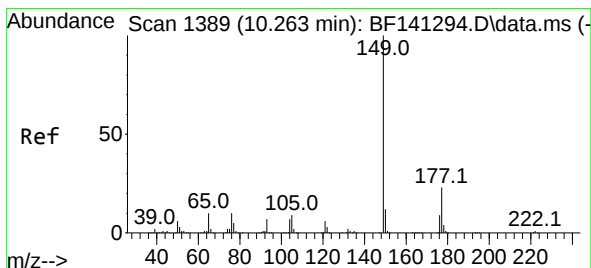
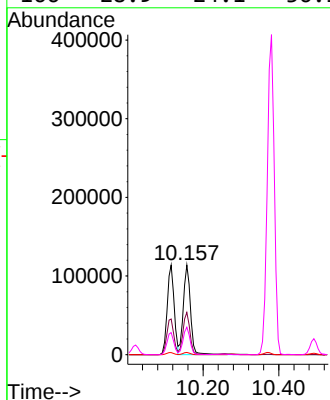
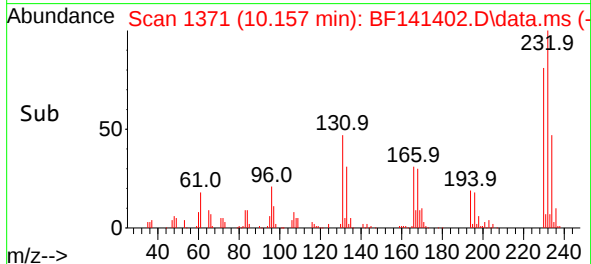
Instrument :
BNA_F
ClientSampleId :
PB166465BS



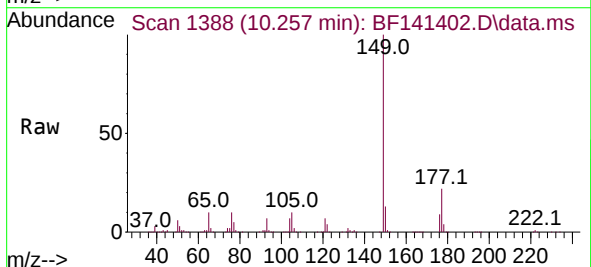
Tgt Ion:232 Resp: 148879
Ion Ratio Lower Upper
232 100
131 45.6 36.4 54.6
130 2.4 1.9 2.9
166 28.9 24.1 36.1

Manual Integrations
APPROVED

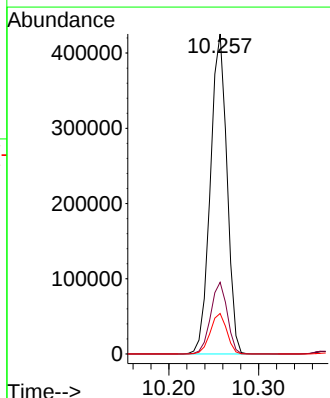
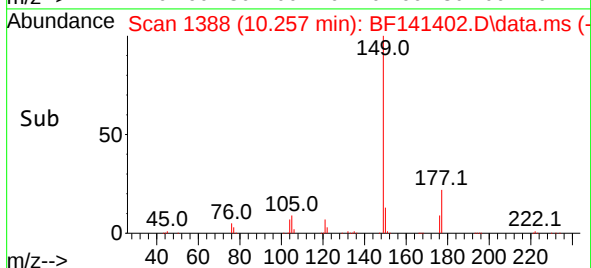
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

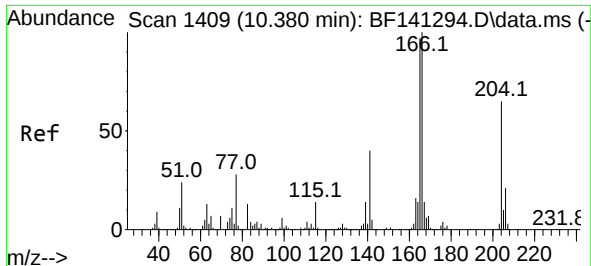


#60
Diethylphthalate
Concen: 43.096 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28



Tgt Ion:149 Resp: 545927
Ion Ratio Lower Upper
149 100
177 22.4 18.5 27.7
150 12.6 10.0 15.0





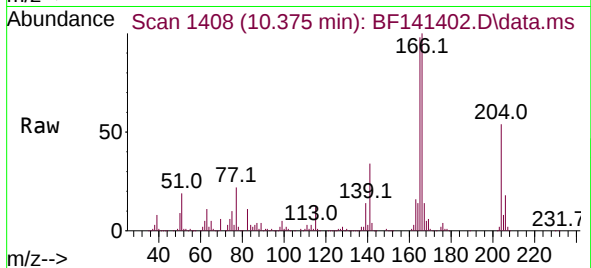
#61
4-Chlorophenyl-phenylether
Concen: 42.338 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS

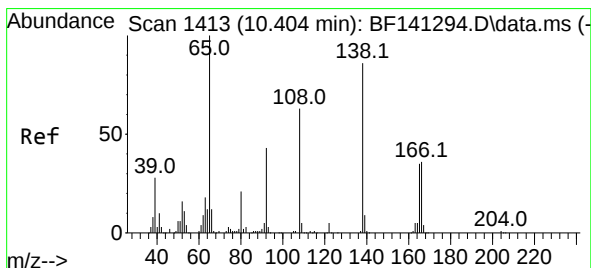
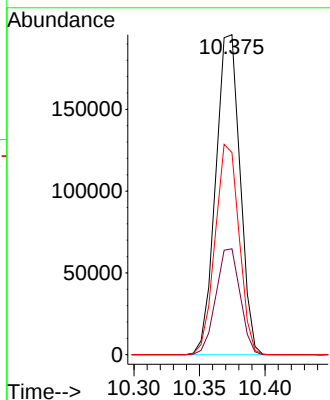
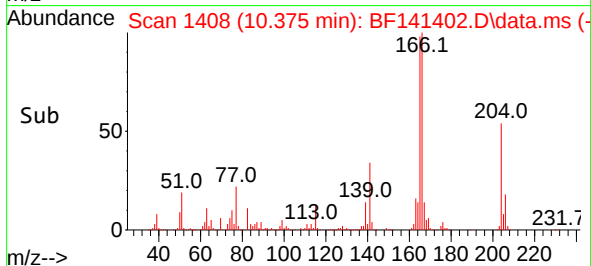


Tgt Ion:204 Resp: 252498
Ion Ratio Lower Upper
204 100
206 33.1 25.9 38.9
141 63.2 49.5 74.3

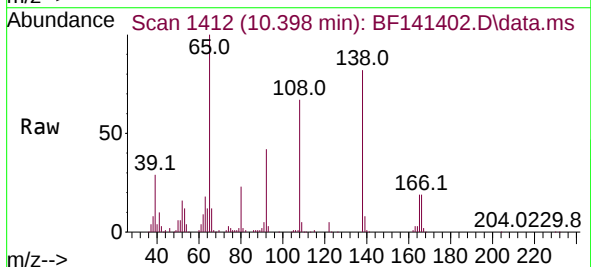
Manual Integrations

APPROVED

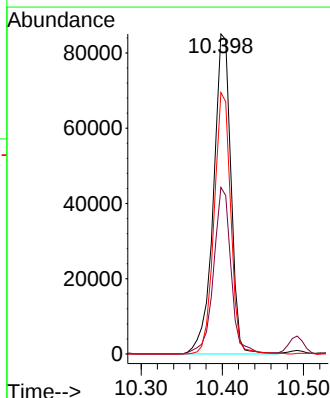
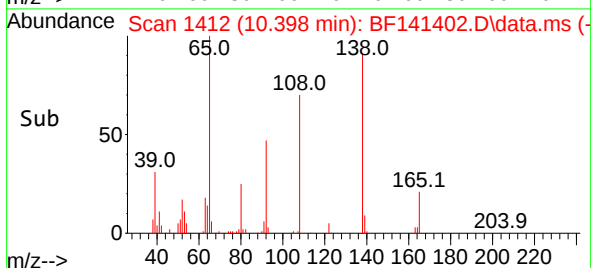
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

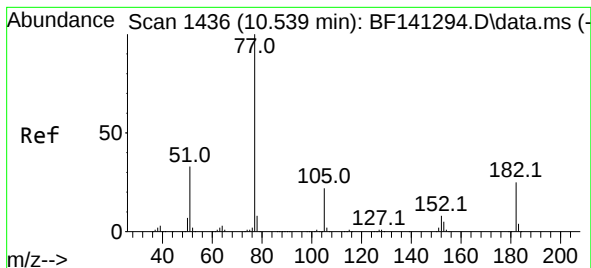


#62
4-Nitroaniline
Concen: 43.582 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28



Tgt Ion:138 Resp: 127390
Ion Ratio Lower Upper
138 100
92 52.1 30.1 70.1
108 81.7 53.1 93.1





#63

Azobenzene

Concen: 42.776 ng

RT: 10.533 min Scan# 1436

Delta R.T. -0.012 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS

Tgt Ion: 77 Resp: 542409

Ion Ratio Lower Upper

77 100

182 26.3 5.1 45.1

105 21.1 1.8 41.8

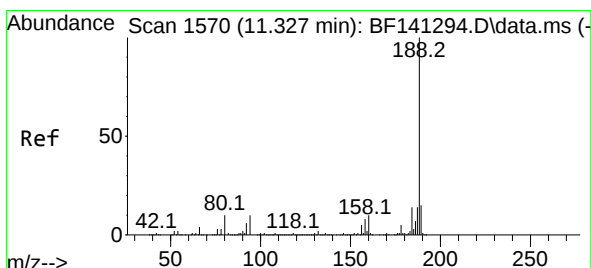
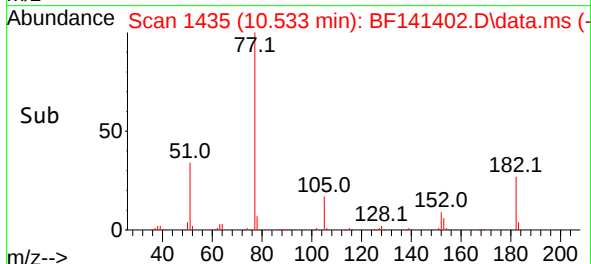
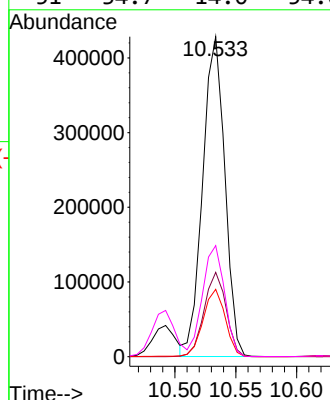
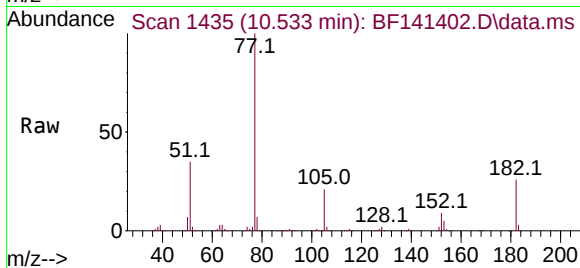
51 34.7 14.0 54.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

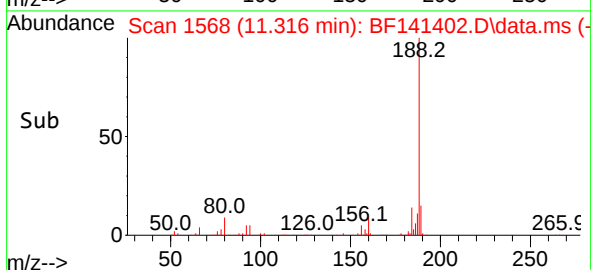
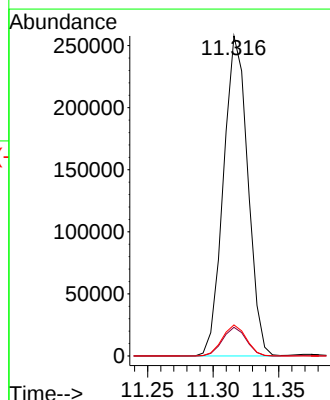
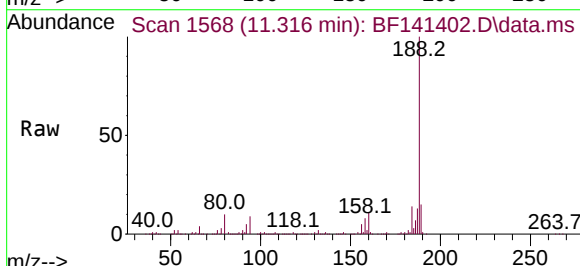
Tgt Ion:188 Resp: 332836

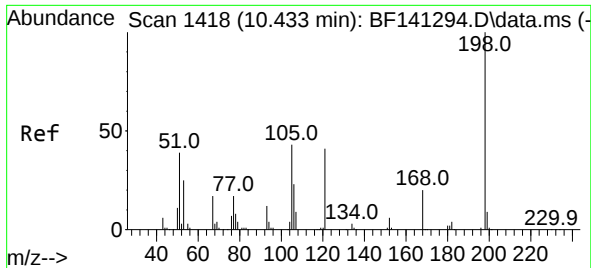
Ion Ratio Lower Upper

188 100

94 9.0 7.8 11.6

80 9.7 8.2 12.4





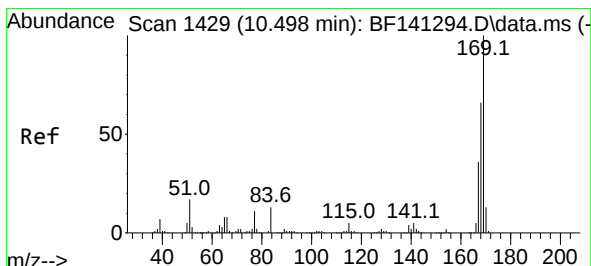
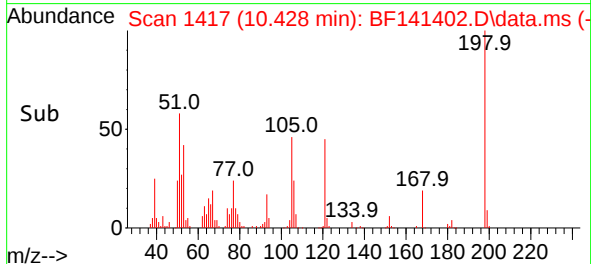
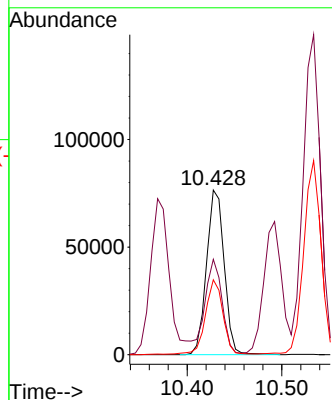
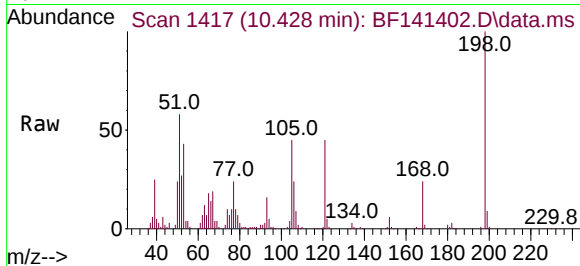
#65
4,6-Dinitro-2-methylphenol
Concen: 50.314 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Instrument :
BNA_F
ClientSampleId :
PB166465BS

Tgt Ion:198 Resp: 9905
Ion Ratio Lower Upper
198 100
51 57.9 33.4 73.4
105 45.5 24.4 64.4

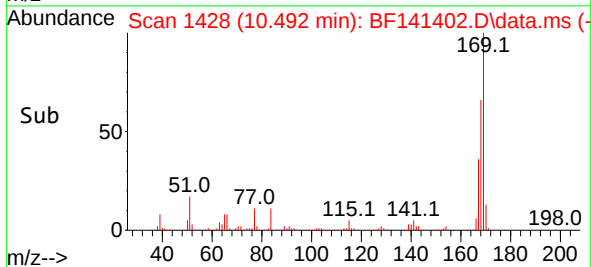
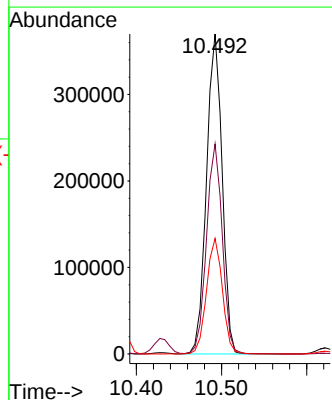
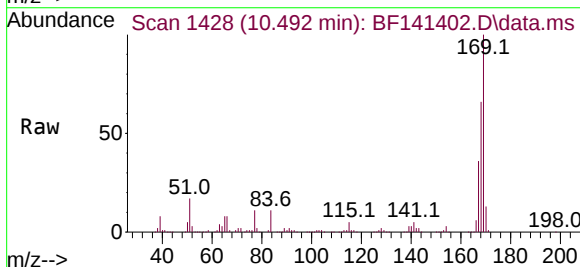
Manual Integrations
APPROVED

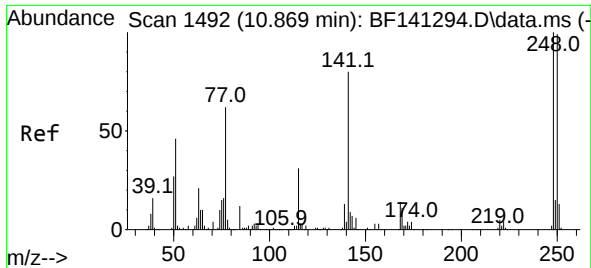
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#66
n-Nitrosodiphenylamine
Concen: 43.727 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

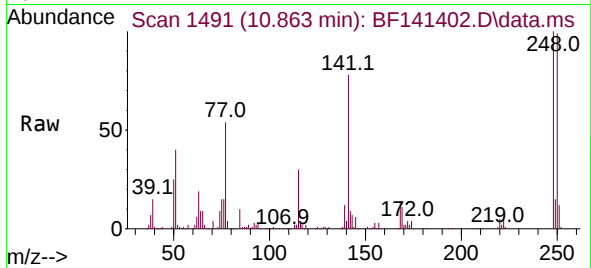
Tgt Ion:169 Resp: 470723
Ion Ratio Lower Upper
169 100
168 65.7 53.0 79.4
167 36.1 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 42.610 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

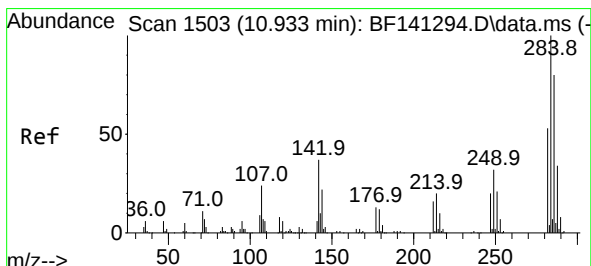
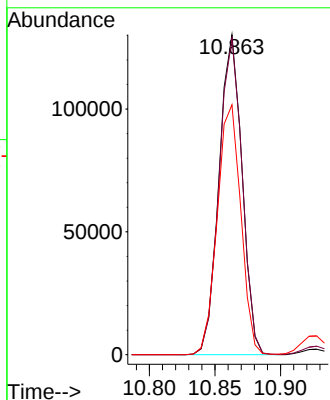
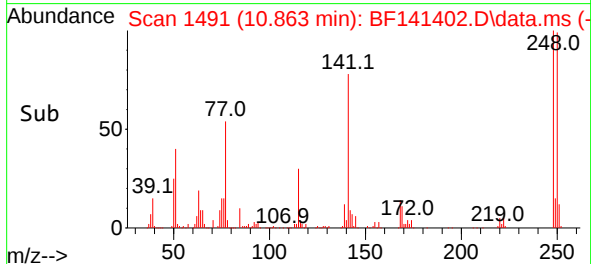
Instrument :
BNA_F
ClientSampleId :
PB166465BS



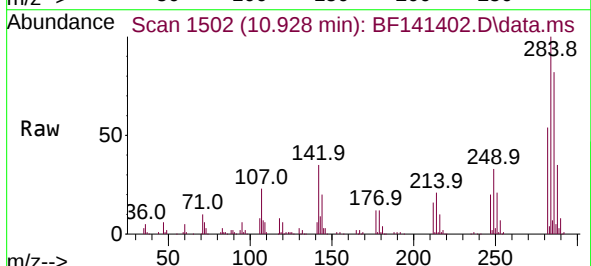
Tgt Ion:248 Resp: 158774
Ion Ratio Lower Upper
248 100
250 98.8 79.0 118.4
141 78.1 63.7 95.5

Manual Integrations
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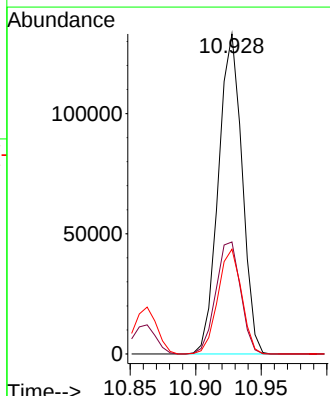
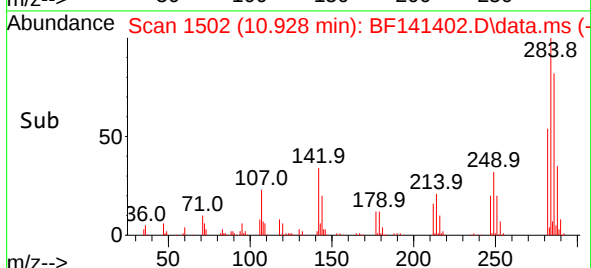
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

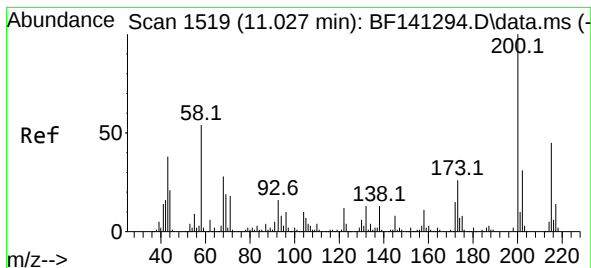


#68
Hexachlorobenzene
Concen: 42.227 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28



Tgt Ion:284 Resp: 166904
Ion Ratio Lower Upper
284 100
142 35.0 29.5 44.3
249 32.7 25.4 38.2





#69

Atrazine

Concen: 50.521 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS

Tgt Ion:200 Resp: 181840

Ion Ratio Lower Upper

200 100

173 26.0 5.9 45.9

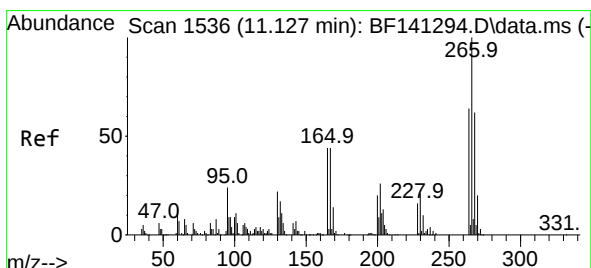
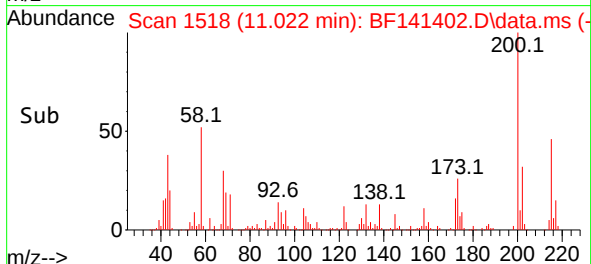
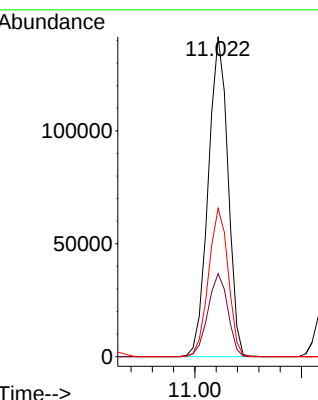
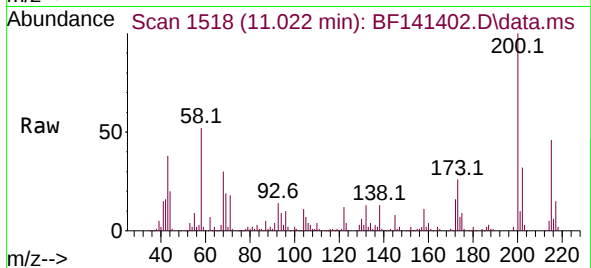
215 46.4 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#70

Pentachlorophenol

Concen: 95.677 ng

RT: 11.128 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

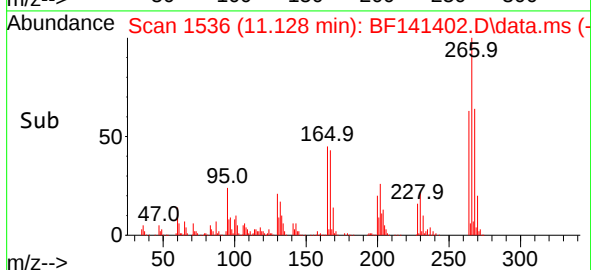
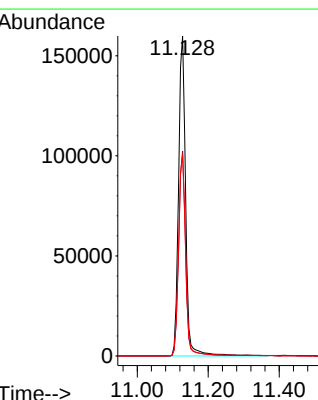
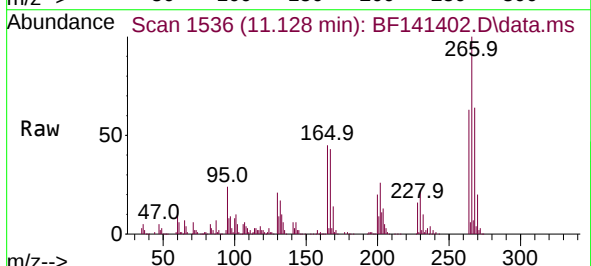
Tgt Ion:266 Resp: 221451

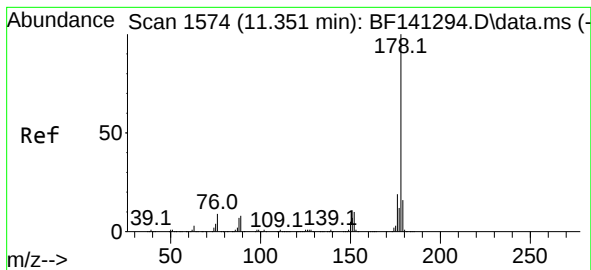
Ion Ratio Lower Upper

266 100

268 64.1 49.9 74.9

264 63.2 51.0 76.4





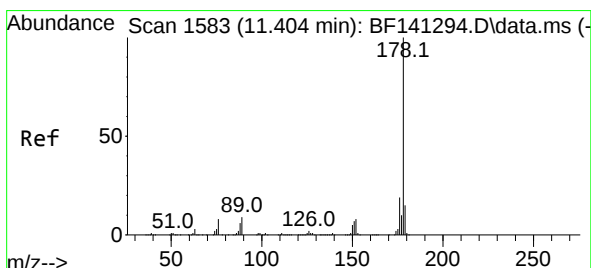
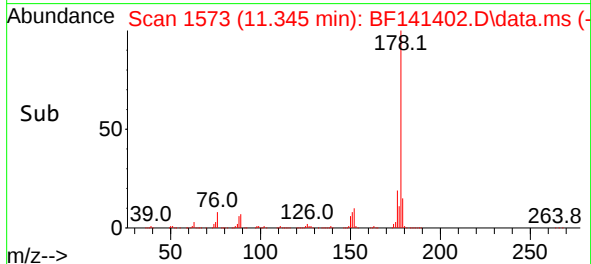
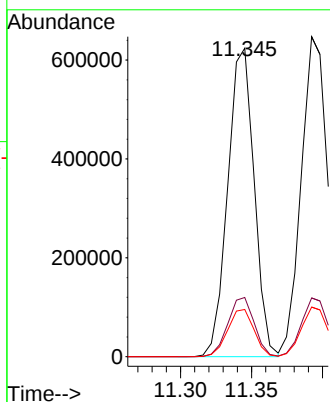
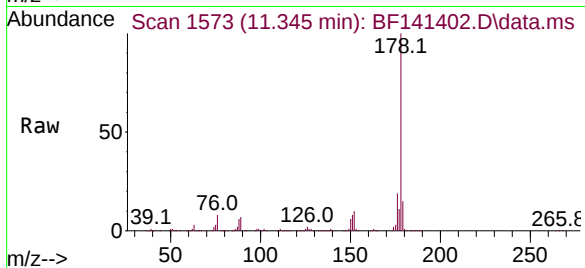
#71
Phenanthrene
Concen: 45.097 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Instrument :
BNA_F
ClientSampleId :
PB166465BS

Tgt Ion:178 Resp: 806850
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.3 12.5 18.7

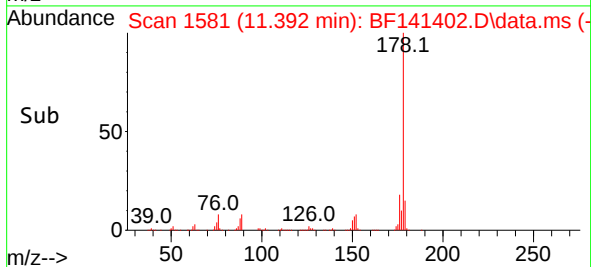
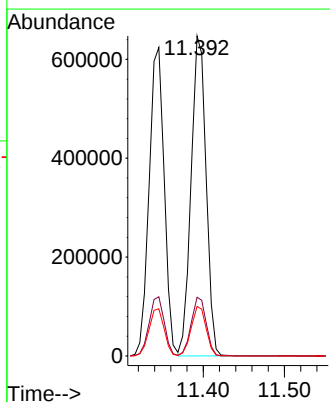
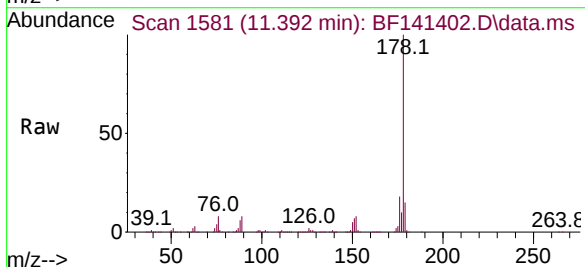
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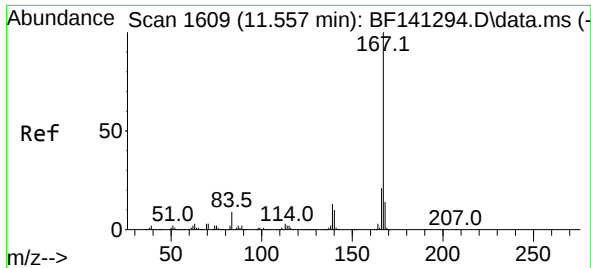
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#72
Anthracene
Concen: 47.487 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Tgt Ion:178 Resp: 832463
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.6
179 15.5 12.3 18.5





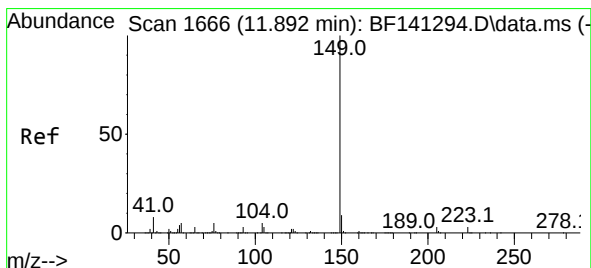
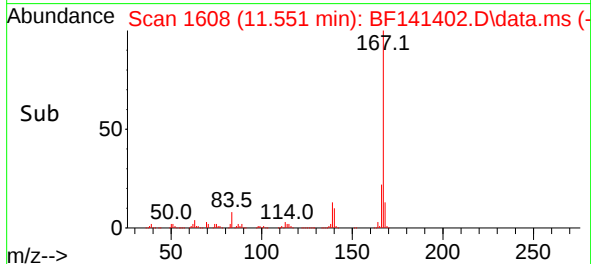
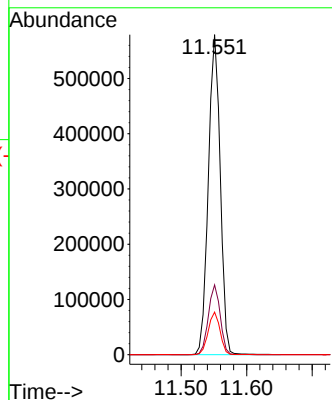
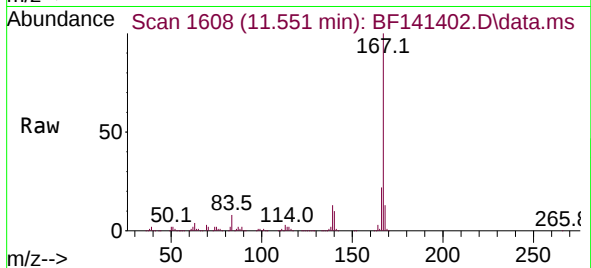
#73
Carbazole
Concen: 47.198 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Instrument :
BNA_F
ClientSampleId :
PB166465BS

Tgt Ion:167 Resp: 733660
Ion Ratio Lower Upper
167 100
166 21.8 17.0 25.6
139 13.3 10.6 16.0

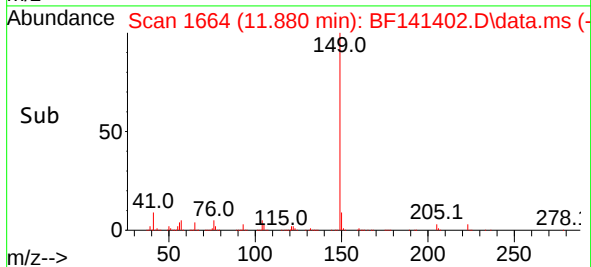
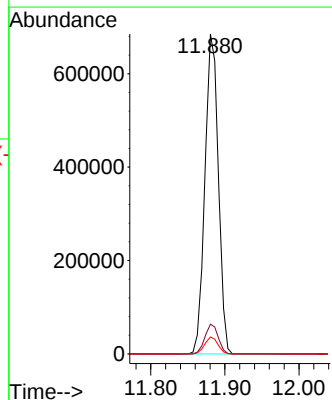
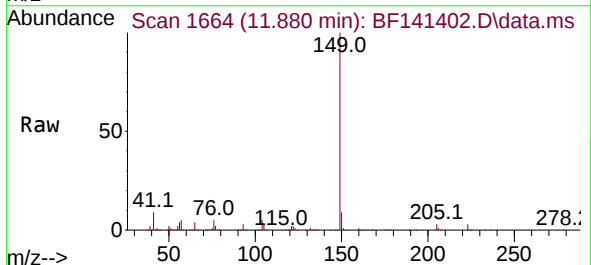
Manual Integrations
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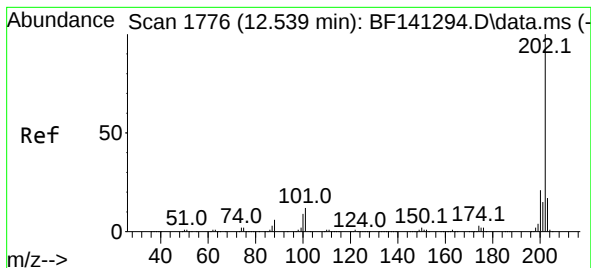
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#74
Di-n-butylphthalate
Concen: 45.882 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Tgt Ion:149 Resp: 864328
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 5.3 3.9 5.9





#75

Fluoranthene

Concen: 49.226 ng

RT: 12.533 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS

Tgt Ion:202 Resp: 86961

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.7

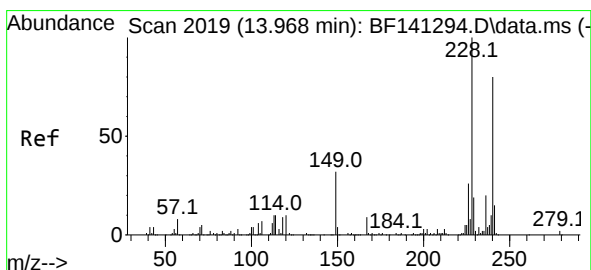
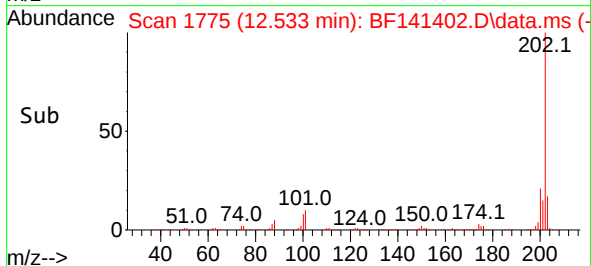
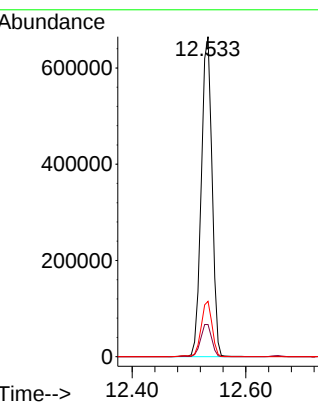
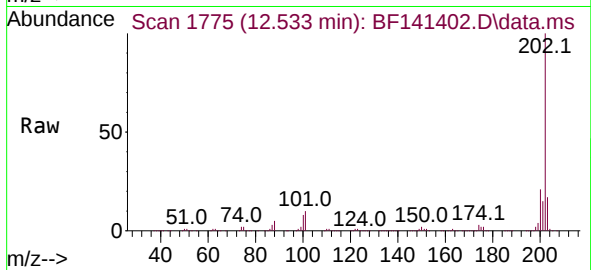
203 17.3 0.0 37.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

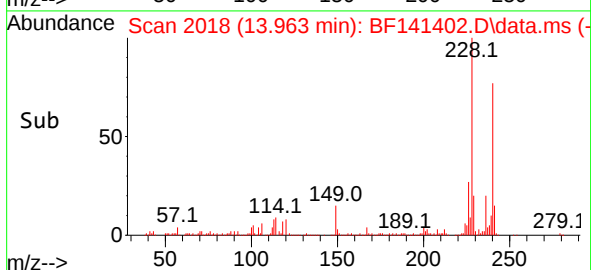
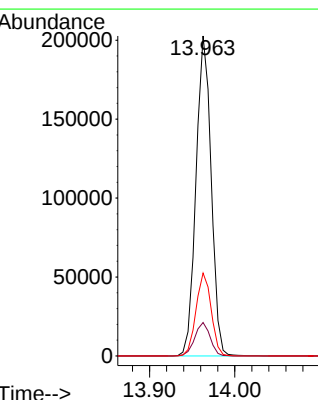
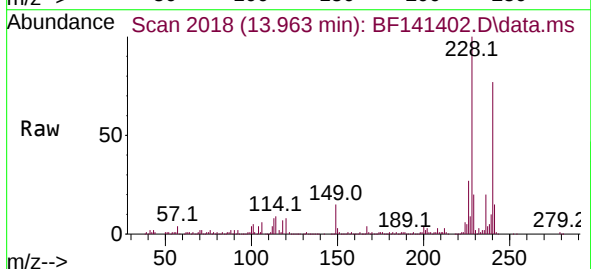
Tgt Ion:240 Resp: 250595

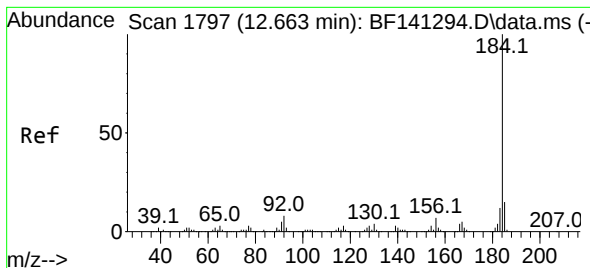
Ion Ratio Lower Upper

240 100

120 10.5 10.0 15.0

236 25.9 19.7 29.5





#77

Benzidine

Concen: 45.921 ng

RT: 12.657 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141402.D

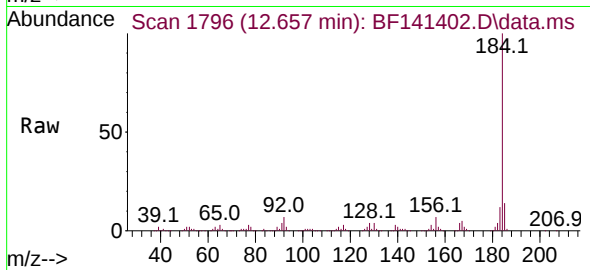
Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS



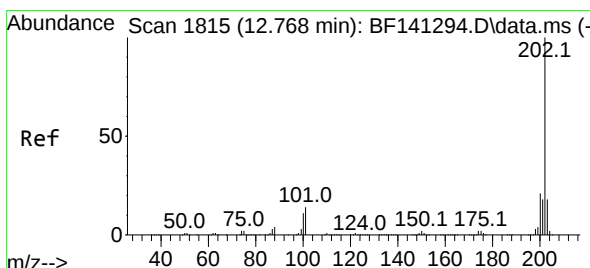
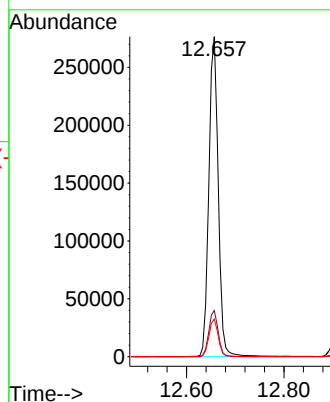
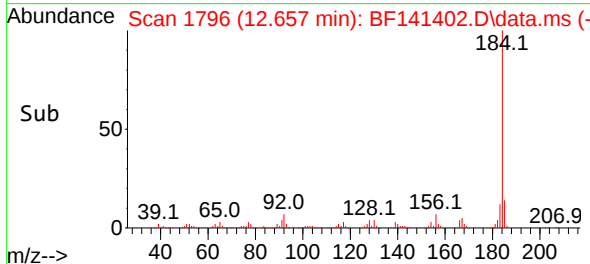
Tgt Ion:184	Resp: 36891
Ion Ratio	Lower Upper
184	100
185	14.4 11.9 17.9
183	11.8 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#78

Pyrene

Concen: 36.969 ng

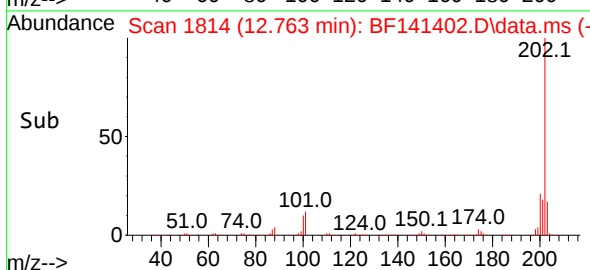
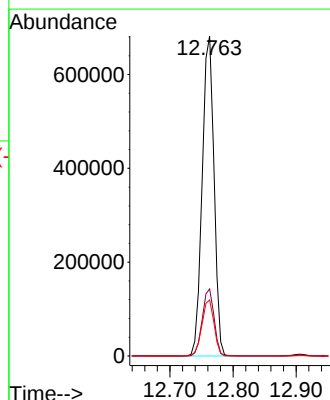
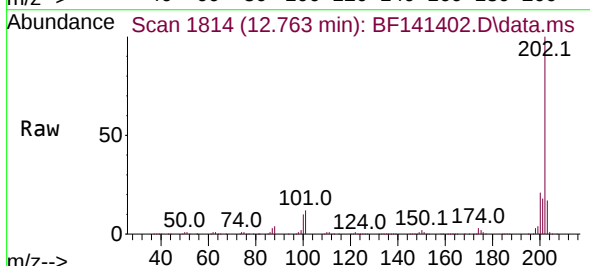
RT: 12.763 min Scan# 1814

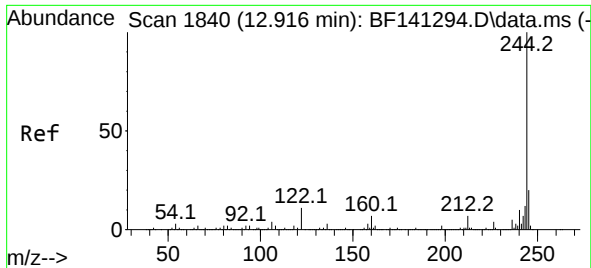
Delta R.T. -0.006 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

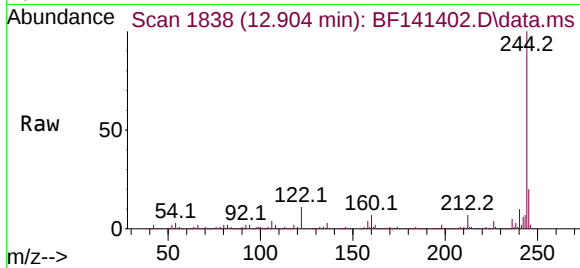
Tgt Ion:202	Resp: 889284
Ion Ratio	Lower Upper
202	100
200	21.0 17.0 25.4
203	17.5 14.3 21.5





#79
 Terphenyl-d14
 Concen: 86.386 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF141402.D
 Acq: 04 Feb 2025 12:28

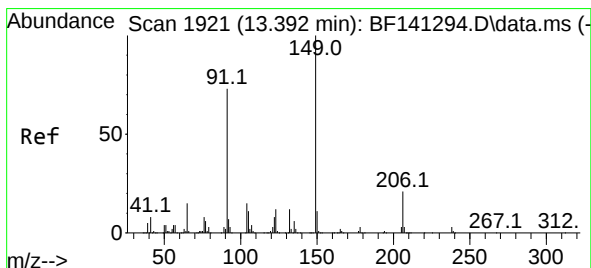
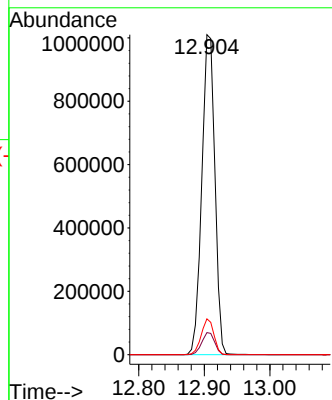
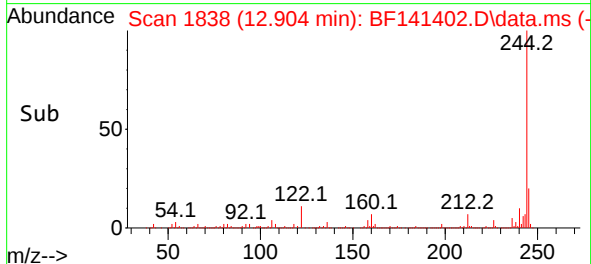
Instrument :
 BNA_F
 ClientSampleId :
 PB166465BS



Tgt Ion:244 Resp: 140372
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.2 8.8 13.2

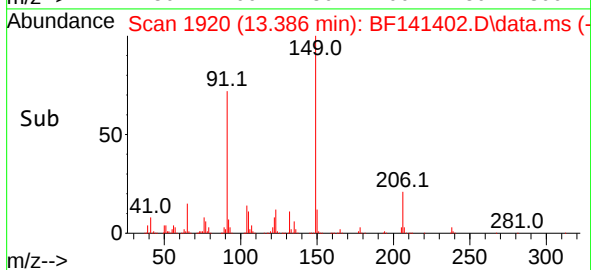
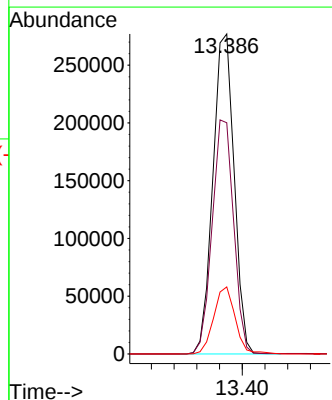
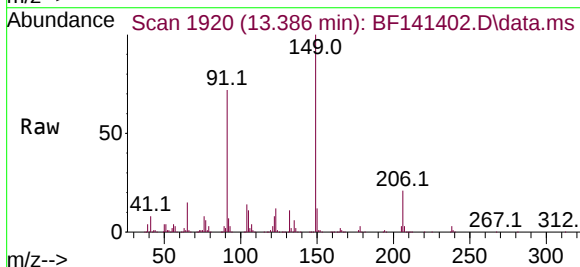
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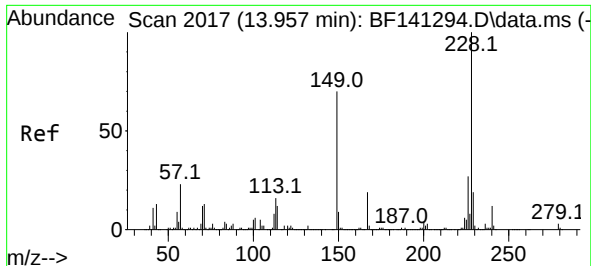
Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025



#80
 Butylbenzylphthalate
 Concen: 42.904 ng
 RT: 13.386 min Scan# 1920
 Delta R.T. -0.006 min
 Lab File: BF141402.D
 Acq: 04 Feb 2025 12:28

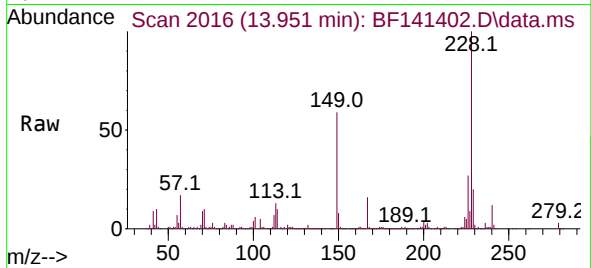
Tgt Ion:149 Resp: 360551
 Ion Ratio Lower Upper
 149 100
 91 72.2 58.6 87.8
 206 20.9 16.7 25.1





#81
Benzo(a)anthracene
Concen: 40.991 ng
RT: 13.951 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

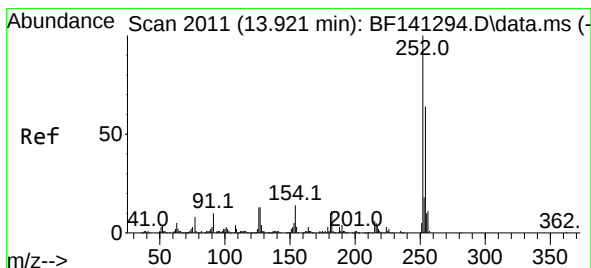
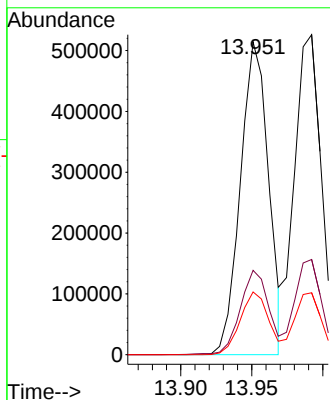
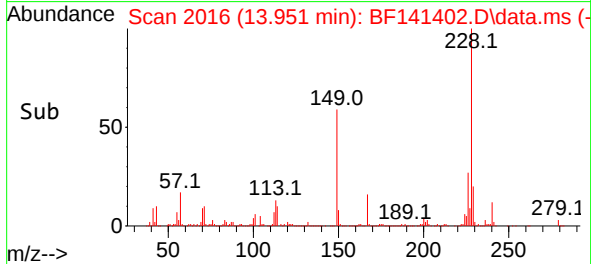
Instrument :
BNA_F
ClientSampleId :
PB166465BS



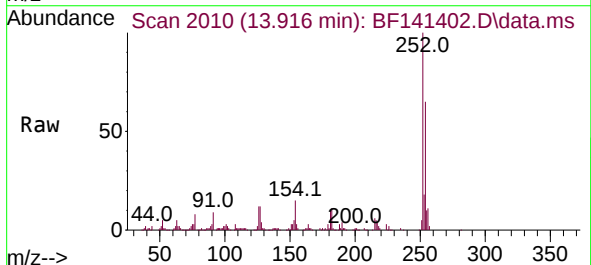
Tgt Ion:228 Resp: 70884
Ion Ratio Lower Upper
228 100
226 27.0 21.4 32.2
229 20.0 15.5 23.3

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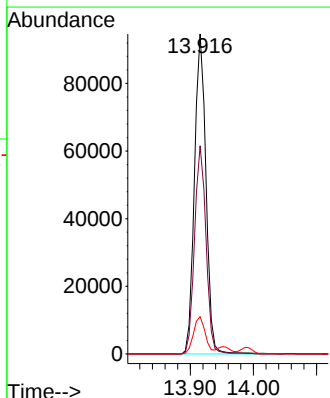
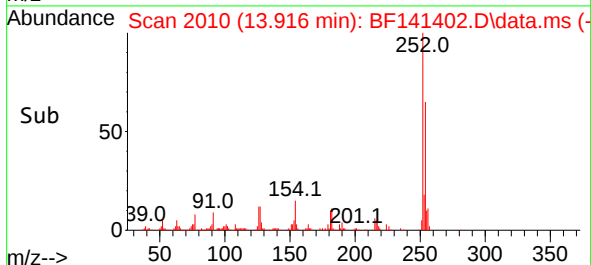
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

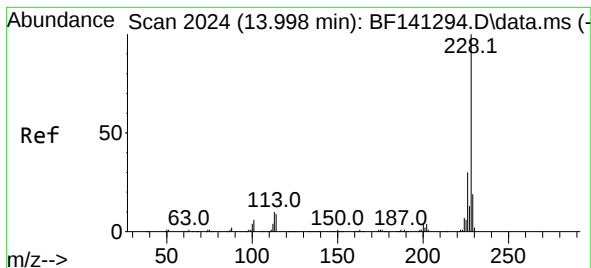


#82
3,3'-Dichlorobenzidine
Concen: 21.754 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28



Tgt Ion:252 Resp: 119645
Ion Ratio Lower Upper
252 100
254 65.1 51.3 76.9
126 11.7 10.0 15.0





#83

Chrysene

Concen: 43.605 ng

RT: 13.992 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS

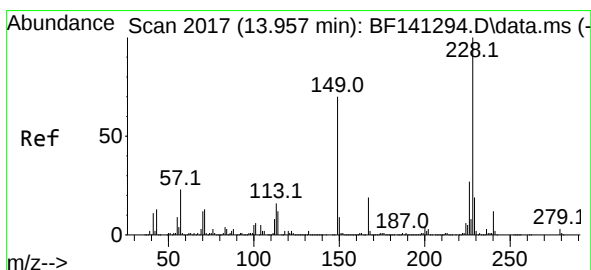
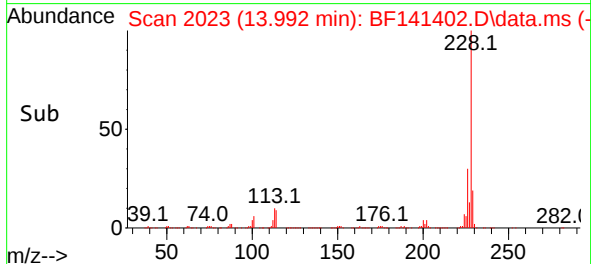
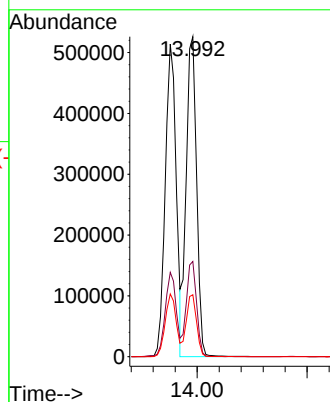
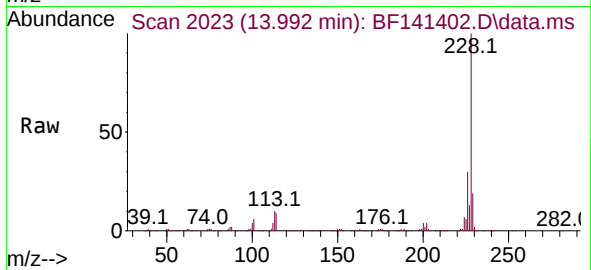
Tgt Ion:228 Resp: 691058
 Ion Ratio Lower Upper
 228 100
 226 29.8 24.1 36.1
 229 19.4 15.6 23.4

Manual Integrations

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Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.162 ng

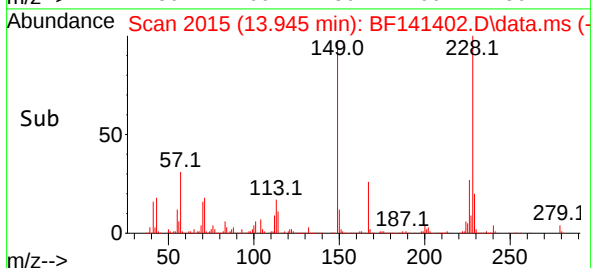
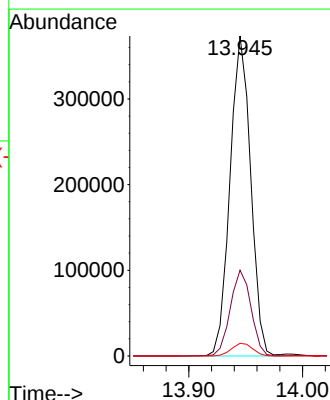
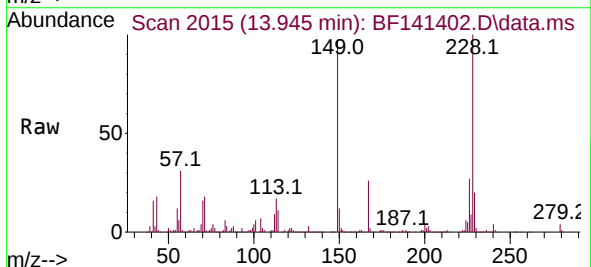
RT: 13.945 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

Tgt Ion:149 Resp: 470782
 Ion Ratio Lower Upper
 149 100
 167 26.8 21.8 32.8
 279 4.0 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 45.935 ng

RT: 14.569 min Scan# 2121

Delta R.T. -0.018 min

Lab File: BF141402.D

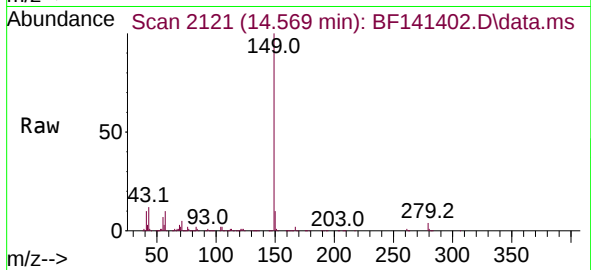
Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS



Tgt Ion:149 Resp: 76058

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

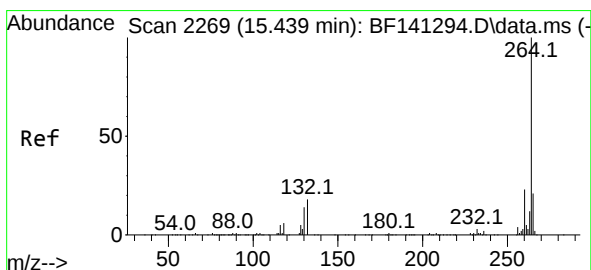
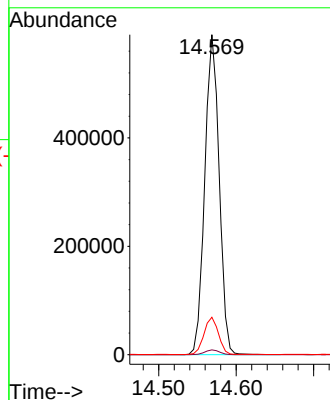
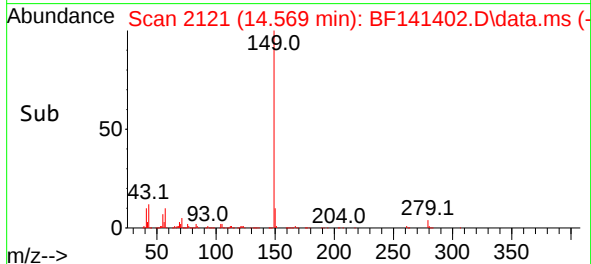
43 11.7 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF141402.D

Acq: 04 Feb 2025 12:28

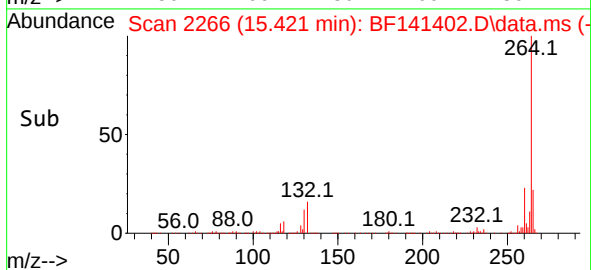
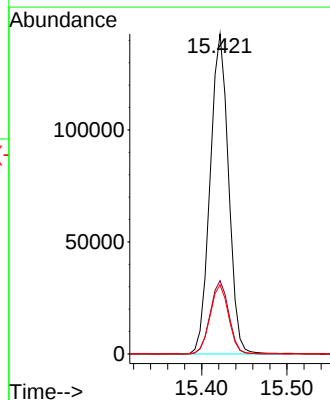
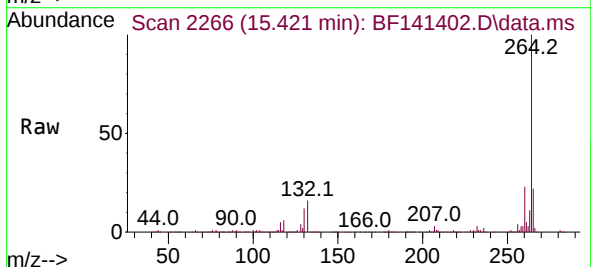
Tgt Ion:264 Resp: 214372

Ion Ratio Lower Upper

264 100

260 22.9 18.6 27.8

265 21.6 16.7 25.1





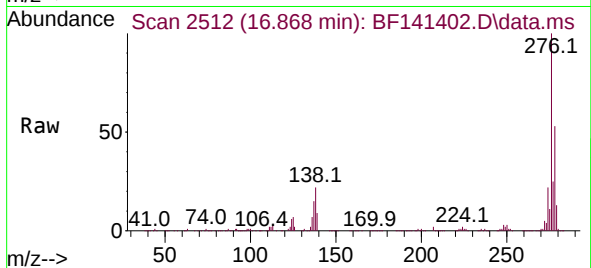
#87
Indeno(1,2,3-cd)pyrene
Concen: 44.028 ng
RT: 16.868 min Scan# 2195
Delta R.T. -0.029 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

ClientSampleId :

PB166465BS

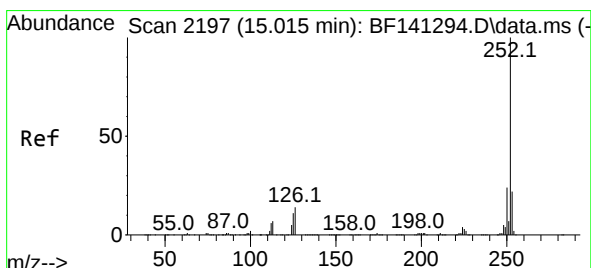
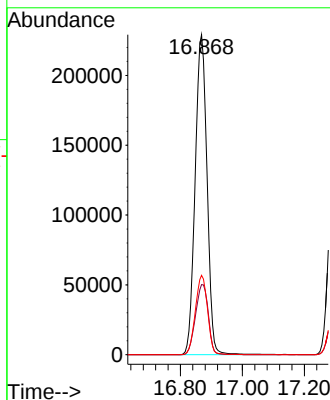
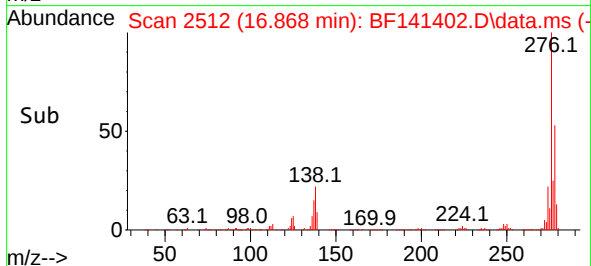


Tgt Ion:276 Resp: 60918
Ion Ratio Lower Upper
276 100
138 23.6 21.7 32.5
277 25.3 20.3 30.5

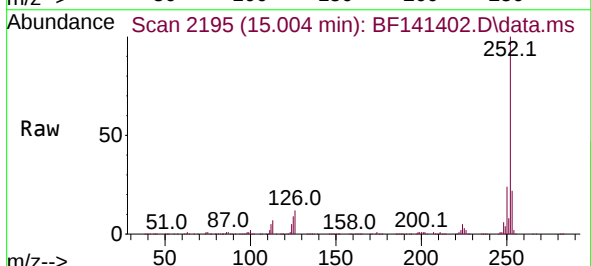
Manual Integrations

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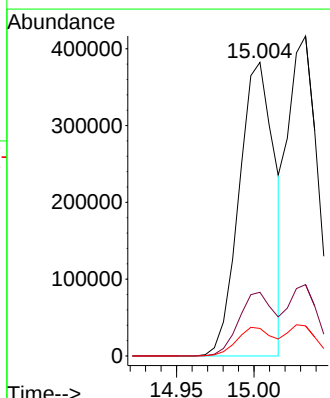
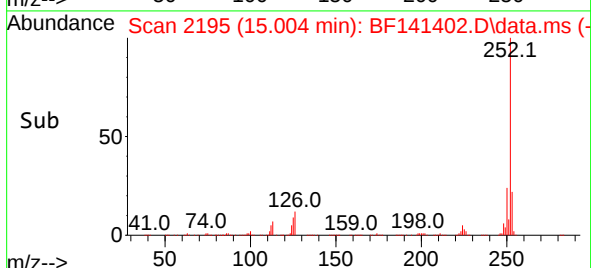
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

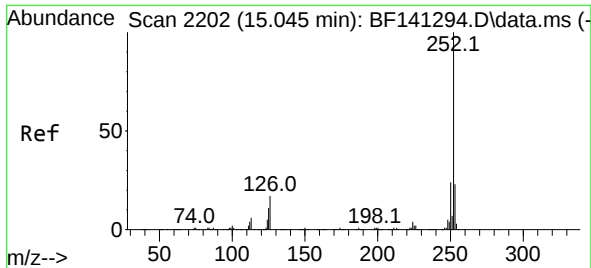


#88
Benzo(b)fluoranthene
Concen: 44.942 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28



Tgt Ion:252 Resp: 606018
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.2
125 9.4 8.6 12.8





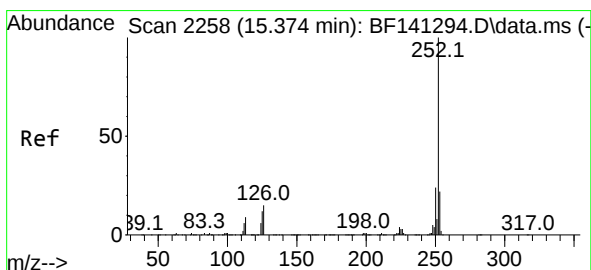
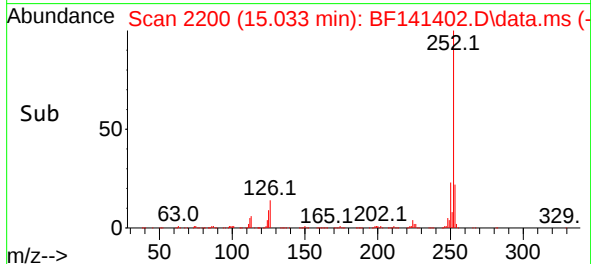
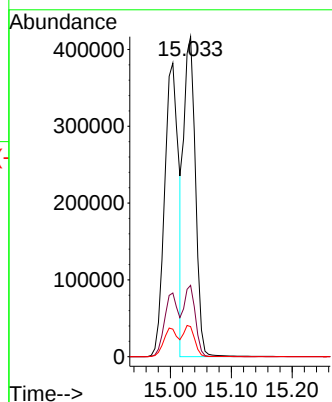
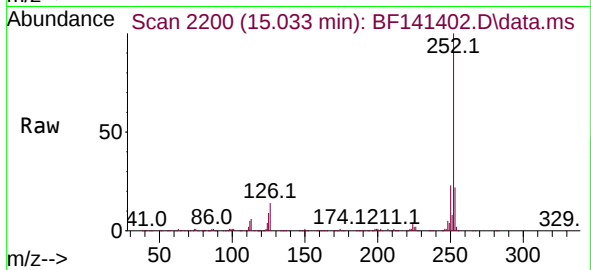
#89
Benzo(k)fluoranthene
Concen: 46.488 ng
RT: 15.033 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Instrument :
BNA_F
ClientSampleId :
PB166465BS

Tgt Ion:252 Resp: 55532
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 9.4 8.4 12.6

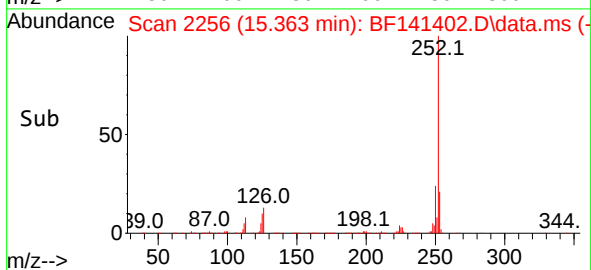
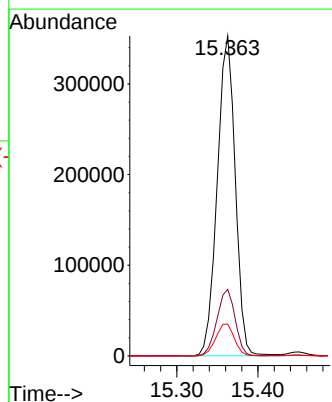
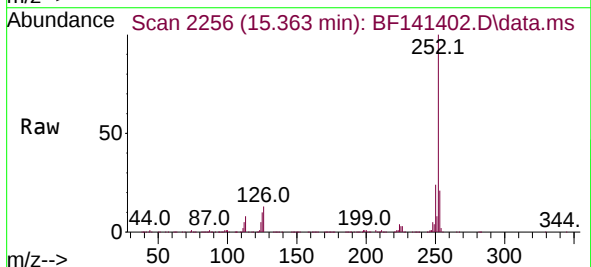
Manual Integrations
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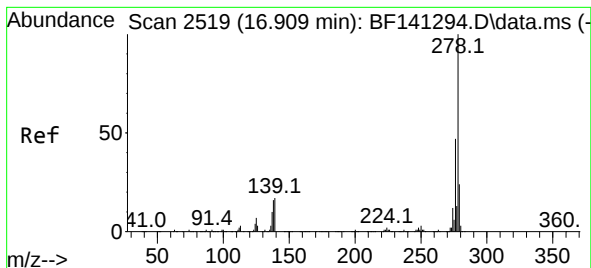
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#90
Benzo(a)pyrene
Concen: 47.811 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Tgt Ion:252 Resp: 544814
Ion Ratio Lower Upper
252 100
253 20.8 17.2 25.8
125 10.0 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 43.716 ng
RT: 16.886 min Scan# 2519
Delta R.T. -0.035 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Instrument :

BNA_F

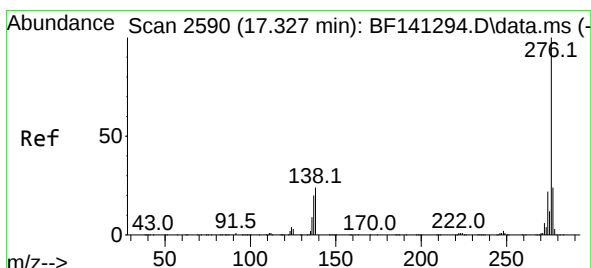
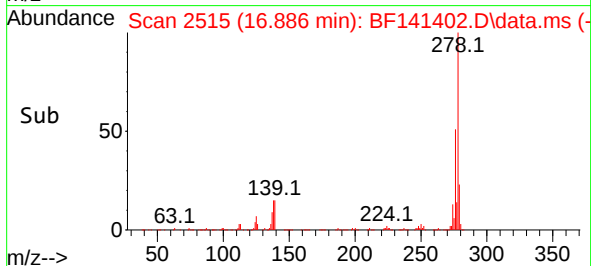
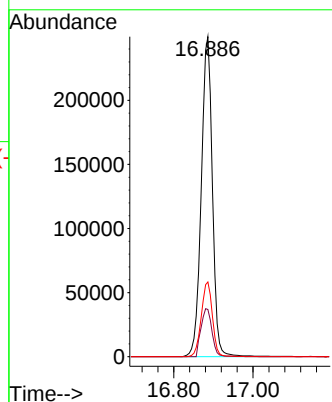
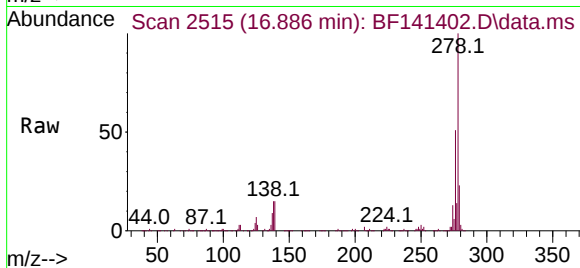
ClientSampleId :

PB166465BS

Tgt Ion:278 Resp: 486628
Ion Ratio Lower Upper
278 100
139 14.8 13.9 20.9
279 23.4 18.8 28.2

Manual Integrations
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Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#92
Benzo(g,h,i)perylene
Concen: 40.546 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141402.D
Acq: 04 Feb 2025 12:28

Tgt Ion:276 Resp: 469306
Ion Ratio Lower Upper
276 100
277 23.8 19.2 28.8
138 20.0 19.0 28.4

