

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141441.D
 Acq On : 05 Feb 2025 12:39
 Operator : RC/JU
 Sample : PB166418BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166418BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 05 13:13:01 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	6.793	152	69377	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	275008	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	148846	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	260150	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	177509	20.000	ng	#-0.01
86) Perylene-d12	15.427	264	152303	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	626082	138.542	ng	0.00
7) Phenol-d6	6.434	99	763826	132.866	ng	0.00
23) Nitrobenzene-d5	7.357	82	506405	97.073	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	217749	159.573	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	956699	98.931	ng	-0.01
79) Terphenyl-d14	12.904	244	1106131	96.100	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.546	88	75599	38.038	ng	97
3) Pyridine	3.275	79	175601	36.671	ng	95
4) n-Nitrosodimethylamine	3.222	42	125180	45.760	ng	85
6) Aniline	6.451	93	195016	40.075	ng	# 20
8) 2-Chlorophenol	6.581	128	214051	44.192	ng	95
9) Benzaldehyde	6.340	77	166845	50.105	ng	99
10) Phenol	6.445	94	250546	41.113	ng	# 63
11) bis(2-Chloroethyl)ether	6.528	93	191119	40.902	ng	98
12) 1,3-Dichlorobenzene	6.728	146	223851	41.915	ng	98
13) 1,4-Dichlorobenzene	6.810	146	227663	42.433	ng	100
14) 1,2-Dichlorobenzene	6.957	146	218639	43.520	ng	99
15) Benzyl Alcohol	6.934	79	187415	47.704	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.063	45	326923	40.236	ng	60
17) 2-Methylphenol	7.051	107	163161	41.447	ng	# 92
18) Hexachloroethane	7.304	117	86475	43.691	ng	95
19) n-Nitroso-di-n-propyla...	7.204	70	148391	43.440	ng	99
20) 3+4-Methylphenols	7.204	107	213301	44.129	ng	# 89
22) Acetophenone	7.198	105	326794	49.992	ng	# 99
24) Nitrobenzene	7.375	77	223580	41.357	ng	99
25) Isophorone	7.610	82	392516	43.528	ng	98
26) 2-Nitrophenol	7.692	139	111383	43.686	ng	93
27) 2,4-Dimethylphenol	7.734	122	175282m	54.012	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	232249	40.377	ng	99
29) 2,4-Dichlorophenol	7.939	162	174012	43.800	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	189899	41.854	ng	100
31) Naphthalene	8.092	128	616346	42.425	ng	100
32) Benzoic acid	7.857	122	132904	44.550	ng	94
33) 4-Chloroaniline	8.145	127	86266	17.511	ng	99
34) Hexachlorobutadiene	8.210	225	121256	45.572	ng	98
35) Caprolactam	8.510	113	60874m	46.916	ng	
36) 4-Chloro-3-methylphenol	8.639	107	192987	45.286	ng	95
37) 2-Methylnaphthalene	8.787	142	385885	41.791	ng	99
38) 1-Methylnaphthalene	8.886	142	374851	41.327	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	208801	49.310	ng	98
41) Hexachlorocyclopentadiene	8.939	237	234691	187.667	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	122828	44.316	ng	98

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Reviewed By :Yogesh Patel 02/06/2025
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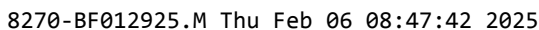
Quant Time: Feb 05 13:13:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	130288	43.190	ng	99
46) 1,1'-Biphenyl	9.251	154	560784	48.309	ng	99
47) 2-Chloronaphthalene	9.275	162	376896	41.655	ng	99
48) 2-Nitroaniline	9.375	65	127531	44.811	ng	97
49) Acenaphthylene	9.692	152	589227	46.522	ng	99
50) Dimethylphthalate	9.551	163	444390	44.205	ng	99
51) 2,6-Dinitrotoluene	9.616	165	97978	41.975	ng	96
52) Acenaphthene	9.863	154	451686m	49.920	ng	
53) 3-Nitroaniline	9.781	138	51651	22.577	ng	95
54) 2,4-Dinitrophenol	9.898	184	119325	109.971	ng	93
55) Dibenzofuran	10.033	168	542317	44.777	ng	96
56) 4-Nitrophenol	9.963	139	161953	96.797	ng	89
57) 2,4-Dinitrotoluene	10.022	165	137488	45.494	ng	92
58) Fluorene	10.381	166	426432	45.391	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	116286	48.999	ng	98
60) Diethylphthalate	10.257	149	432760	44.397	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	208783	45.496	ng	97
62) 4-Nitroaniline	10.398	138	98361	43.732	ng	87
63) Azobenzene	10.533	77	421756	43.226	ng	97
65) 4,6-Dinitro-2-methylph...	10.428	198	78817	51.220	ng	93
66) n-Nitrosodiphenylamine	10.492	169	368342	43.776	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	127084	43.635	ng	100
68) Hexachlorobenzene	10.928	284	135690	43.921	ng	98
69) Atrazine	11.022	200	145946	51.878	ng	99
70) Pentachlorophenol	11.128	266	169701	93.804	ng	98
71) Phenanthrene	11.339	178	649036	46.412	ng	100
72) Anthracene	11.392	178	658430	48.054	ng	100
73) Carbazole	11.551	167	573702	47.219	ng	99
74) Di-n-butylphthalate	11.880	149	678626	46.089	ng	99
75) Fluoranthene	12.533	202	677532	49.069	ng	98
77) Benzidine	12.657	184	261130	45.887	ng	98
78) Pyrene	12.763	202	693521	40.702	ng	100
80) Butylbenzylphthalate	13.380	149	266479	44.766	ng	99
81) Benzo(a)anthracene	13.951	228	544821	44.478	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	83051	21.318	ng	97
83) Chrysene	13.992	228	460149	40.990	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	338779	44.864	ng	99
85) Di-n-octyl phthalate	14.574	149	485819	41.422	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	452413	46.023	ng	95
88) Benzo(b)fluoranthene	15.010	252	410915	42.892	ng	98
89) Benzo(k)fluoranthene	15.039	252	405647	47.796	ng	98
90) Benzo(a)pyrene	15.368	252	387351	47.846	ng	98
91) Dibenzo(a,h)anthracene	16.898	278	364983	46.150	ng	96
92) Benzo(g,h,i)perylene	17.315	276	348975	42.437	ng	95

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

Manual Integrations

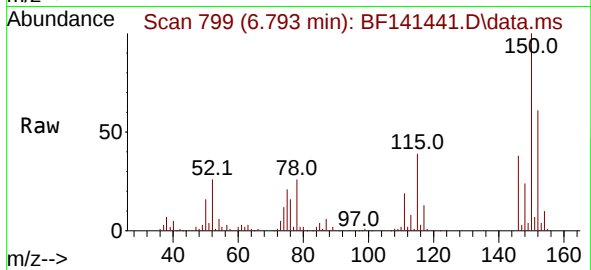
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 74
Delta R.T. -0.011 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

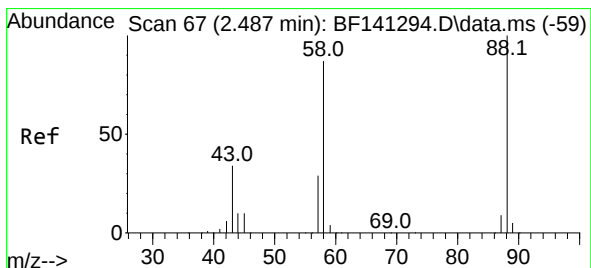
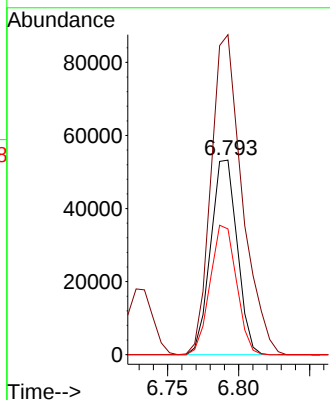
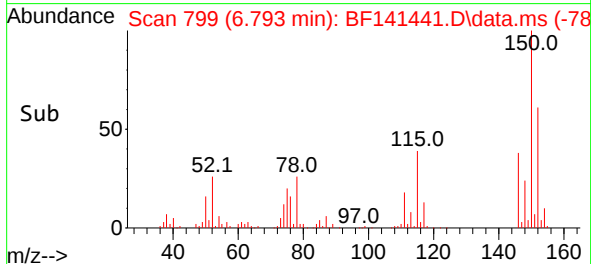
Instrument :
BNA_F
ClientSampleId :
PB166418BS



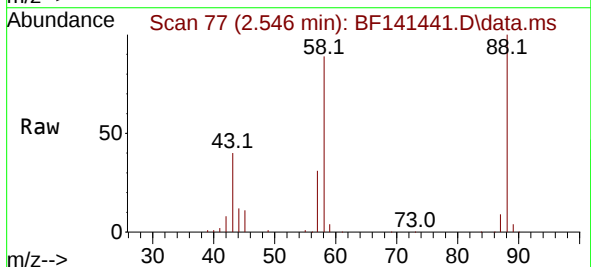
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Ion Ratio Lower Upper
152 100
150 164.4 125.9 188.9
115 64.6 49.7 74.5

Manual Integrations
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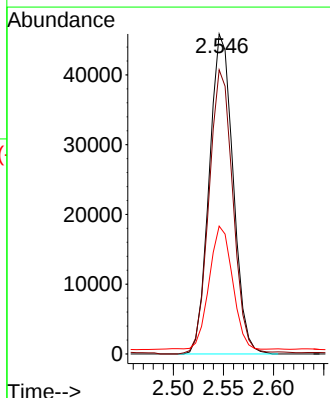
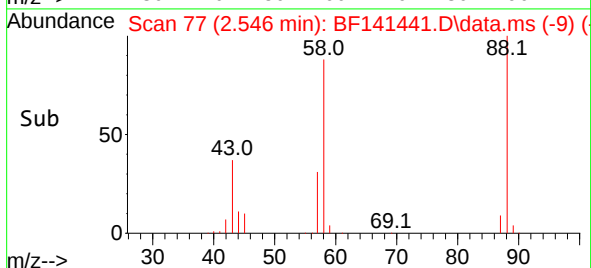
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

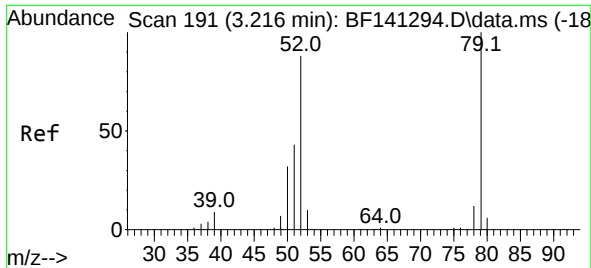


#2
1,4-Dioxane
Concen: 38.038 ng
RT: 2.546 min Scan# 77
Delta R.T. 0.053 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



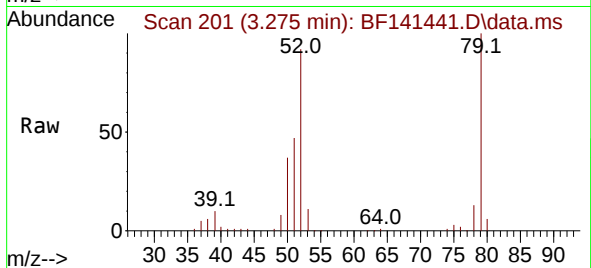
Tgt Ion: 88 Resp: 75599
Ion Ratio Lower Upper
88 100
58 89.8 70.2 105.4
43 38.0 27.6 41.4





#3
Pyridine
Concen: 36.671 ng
RT: 3.275 min Scan# 201
Delta R.T. 0.047 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

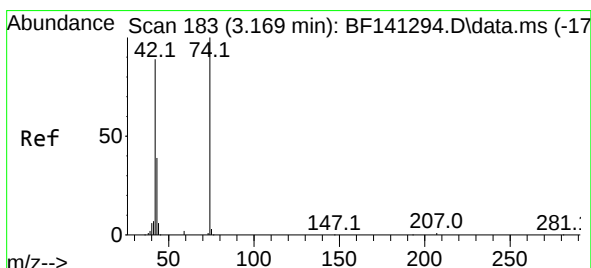
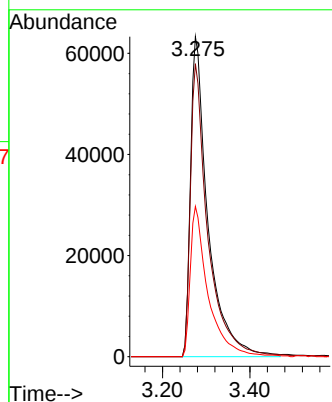
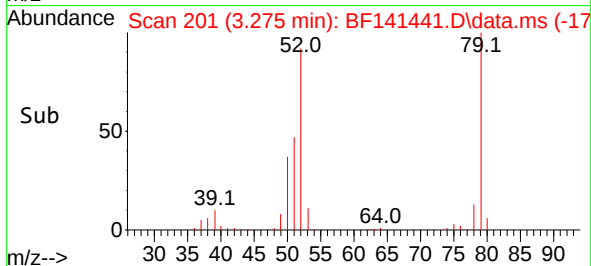
Instrument :
BNA_F
ClientSampleId :
PB166418BS



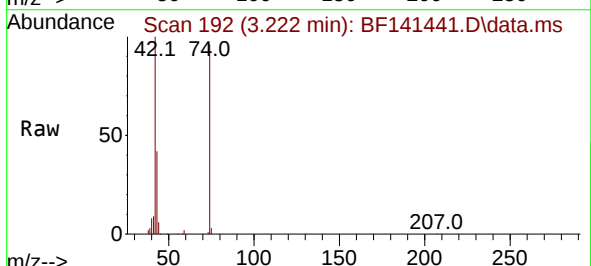
Tgt Ion: 79 Resp: 17560
Ion Ratio Lower Upper
79 100
52 91.6 70.3 105.5
51 47.0 34.3 51.5

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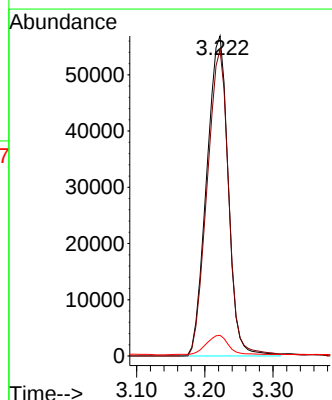
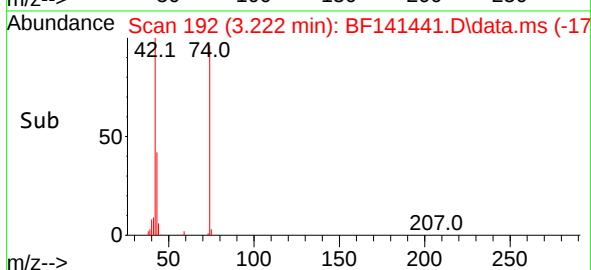
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#4
n-Nitrosodimethylamine
Concen: 45.760 ng
RT: 3.222 min Scan# 192
Delta R.T. 0.023 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



Tgt Ion: 42 Resp: 125180
Ion Ratio Lower Upper
42 100
74 95.7 90.3 135.5
44 6.5 5.7 8.5





#5
2-Fluorophenol
Concen: 138.542 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

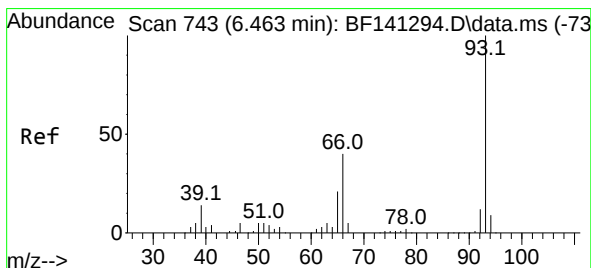
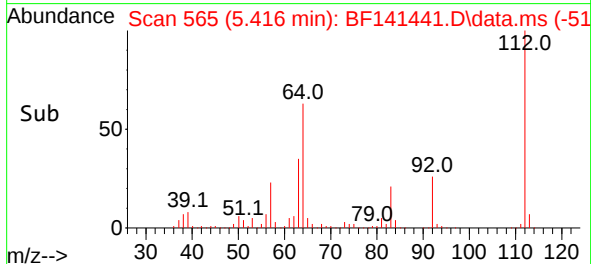
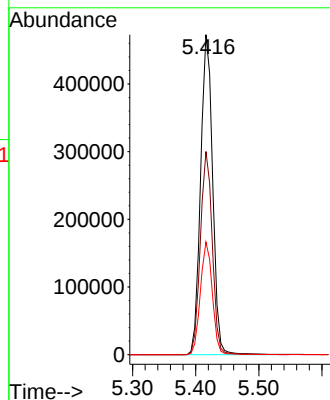
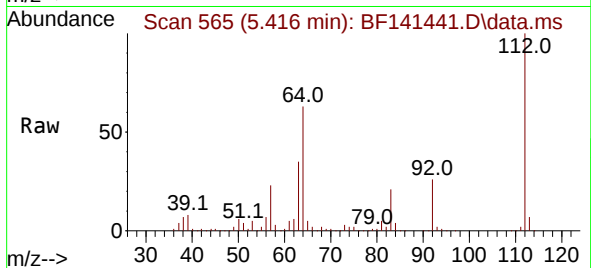
PB166418BS

Tgt Ion:112 Resp: 62608
Ion Ratio Lower Upper
112 100
64 63.5 49.8 74.8
63 35.2 26.1 39.1

Manual Integrations

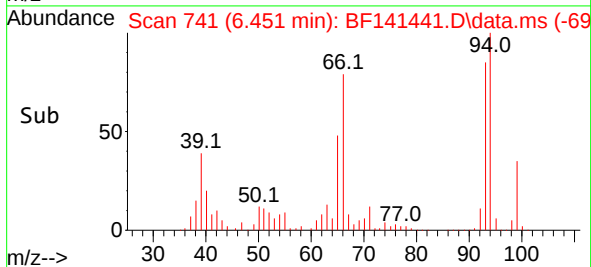
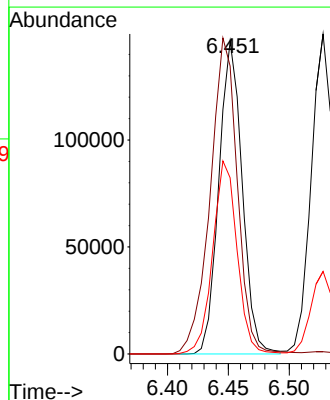
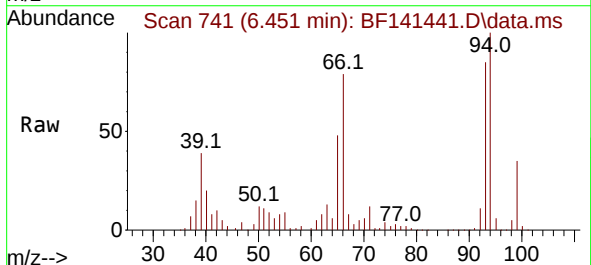
APPROVED

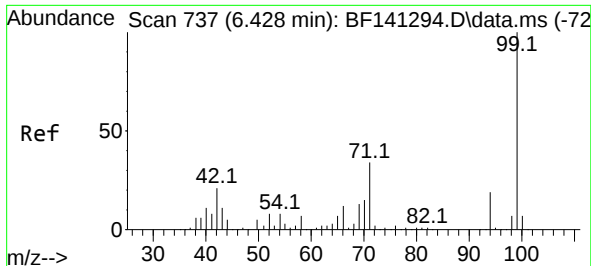
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#6
Aniline
Concen: 40.075 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion: 93 Resp: 195016
Ion Ratio Lower Upper
93 100
66 92.0 32.5 48.7#
65 56.3 17.0 25.6#





#7

Phenol-d6

Concen: 132.866 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

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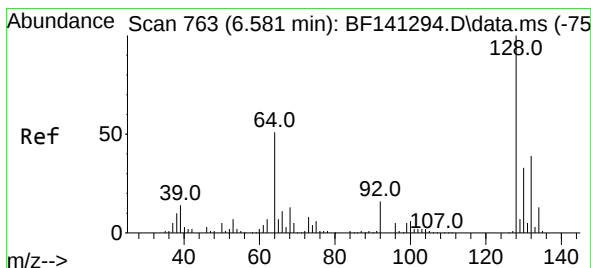
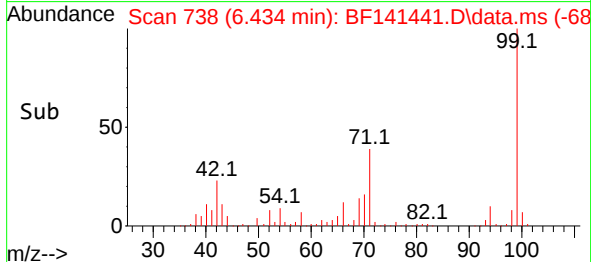
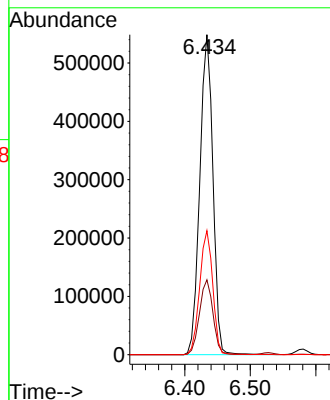
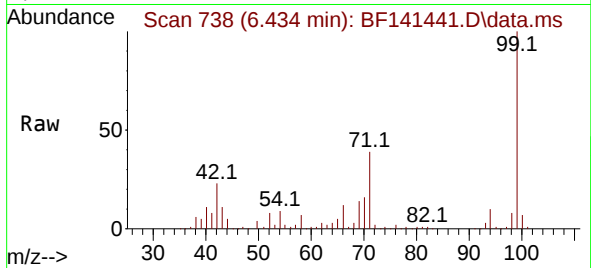
Tgt Ion: 99 Resp: 763820
 Ion Ratio Lower Upper
 99 100
 42 23.4 17.1 25.7
 71 38.8 26.9 40.3

Manual Integrations

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#8

2-Chlorophenol

Concen: 44.192 ng

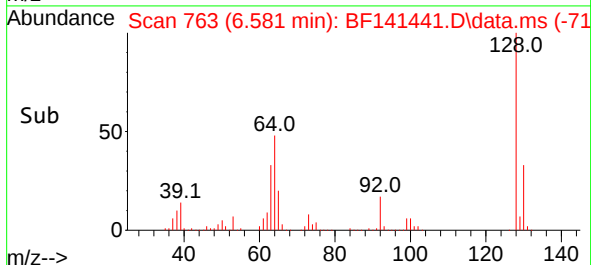
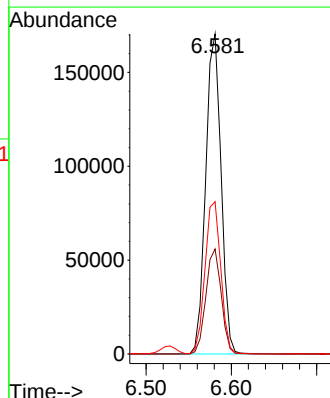
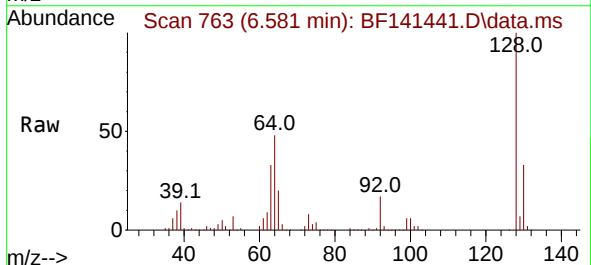
RT: 6.581 min Scan# 763

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Tgt Ion:128 Resp: 214051
 Ion Ratio Lower Upper
 128 100
 130 32.8 12.5 52.5
 64 47.6 32.9 72.9





#9
Benzaldehyde
Concen: 50.105 ng
RT: 6.340 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

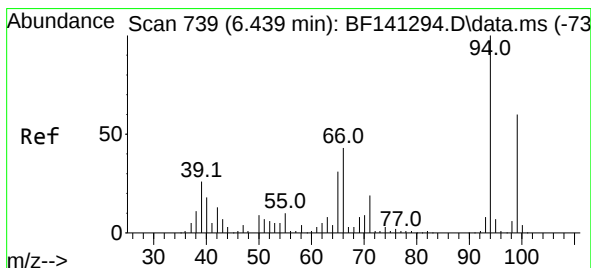
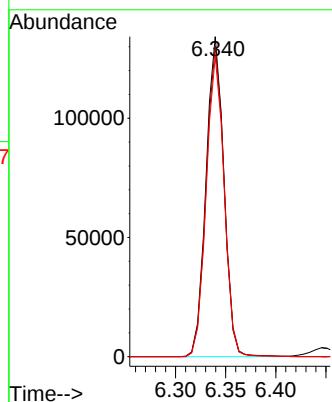
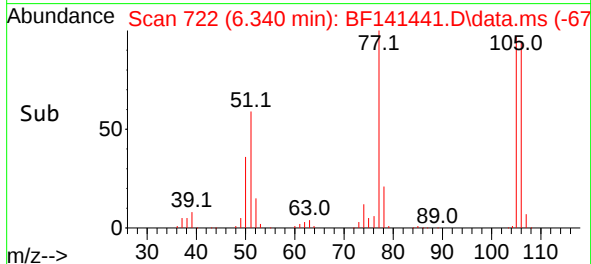
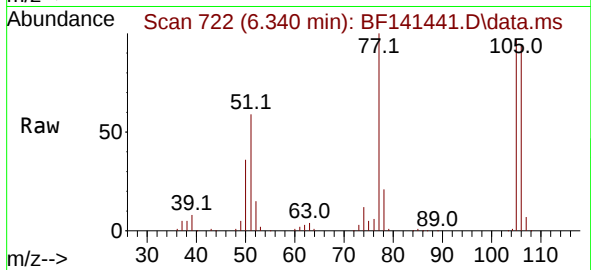
ClientSampleId :

PB166418BS

Tgt Ion: 77 Resp: 16684
Ion Ratio Lower Upper
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105 97.2 79.4 119.4
106 93.9 74.6 114.6

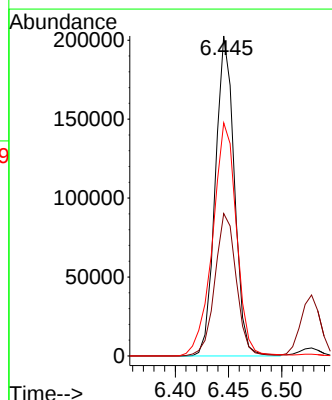
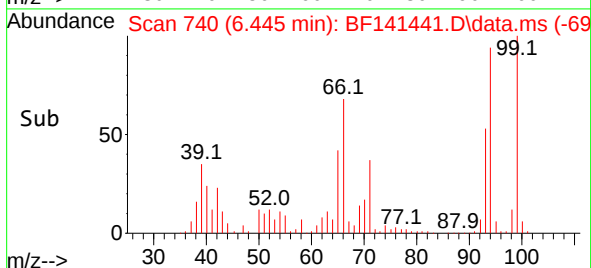
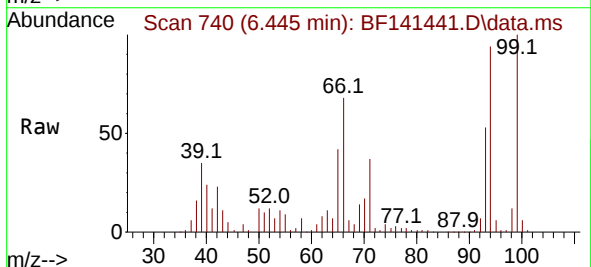
Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
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#10
Phenol
Concen: 41.113 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

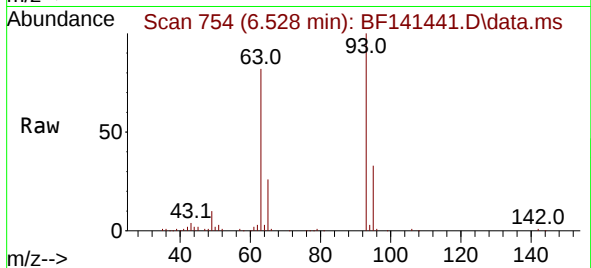
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Ion Ratio Lower Upper
94 100
65 44.5 10.8 50.8
66 72.9 23.3 63.3#





#11
bis(2-Chloroethyl)ether
Concen: 40.902 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

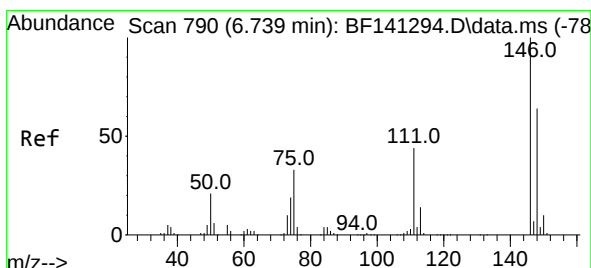
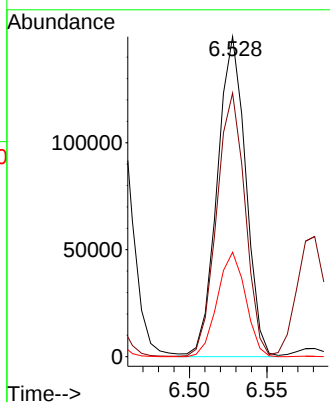
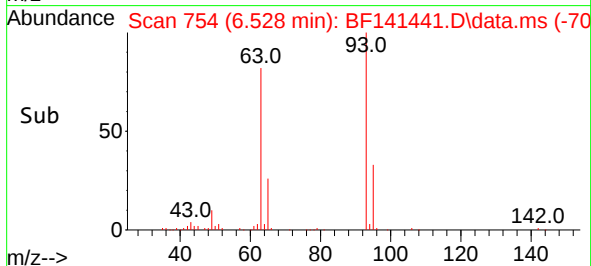
Instrument :
BNA_F
ClientSampleId :
PB166418BS



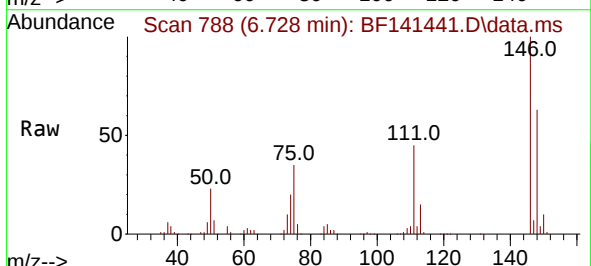
Tgt Ion: 93 Resp: 191119
Ion Ratio Lower Upper
93 100
63 82.4 65.0 105.0
95 32.6 12.4 52.4

Manual Integrations
APPROVED

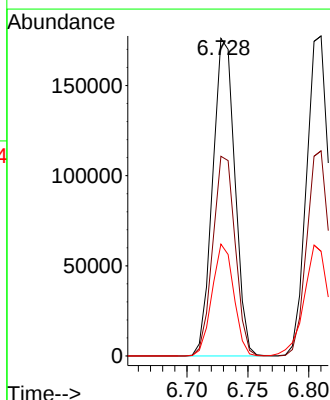
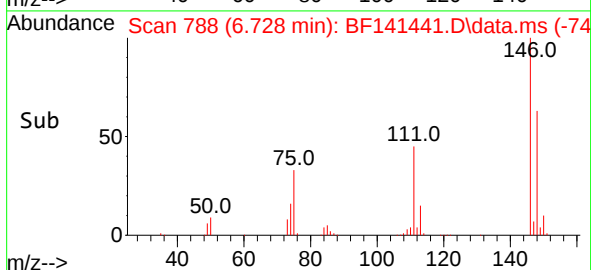
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

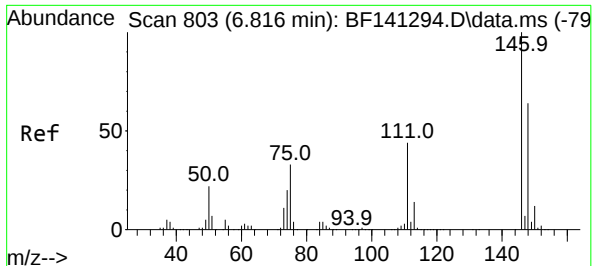


#12
1,3-Dichlorobenzene
Concen: 41.915 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



Tgt Ion:146 Resp: 223851
Ion Ratio Lower Upper
146 100
148 62.9 51.2 76.8
75 35.2 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 42.433 ng

RT: 6.810 min Scan# 803

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion:146 Resp: 22766

Ion Ratio Lower Upper

146 100

148 64.1 51.2 76.8

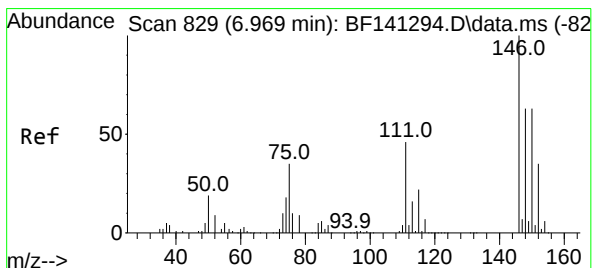
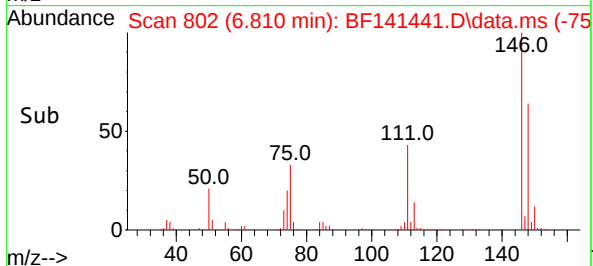
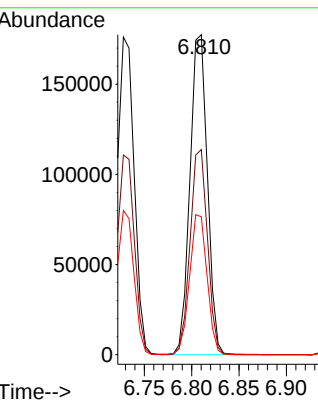
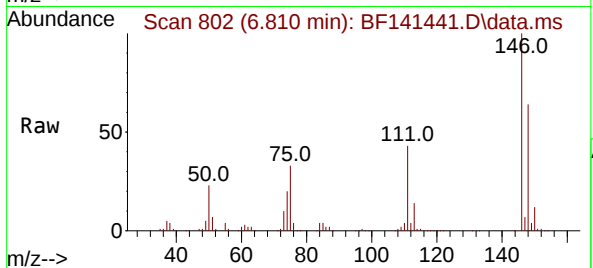
111 43.1 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#14

1,2-Dichlorobenzene

Concen: 43.520 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.018 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

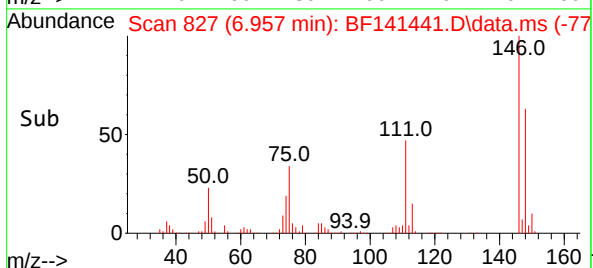
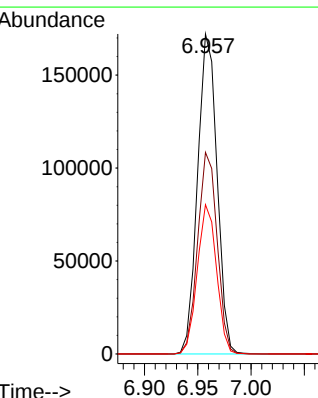
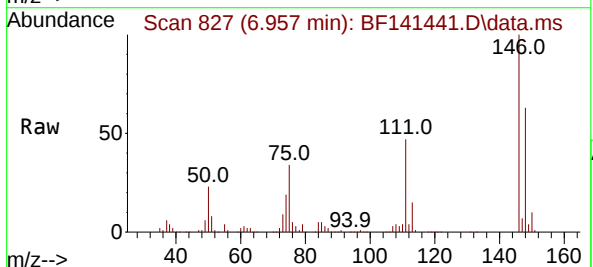
Tgt Ion:146 Resp: 218639

Ion Ratio Lower Upper

146 100

148 63.0 50.5 75.7

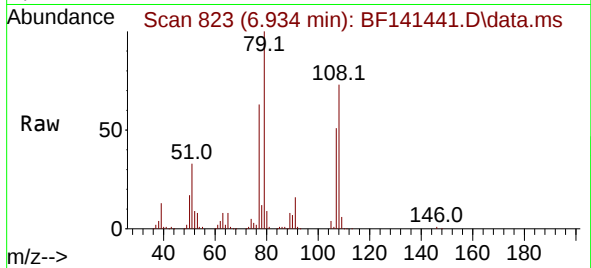
111 46.7 36.6 55.0





#15
Benzyl Alcohol
Concen: 47.704 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

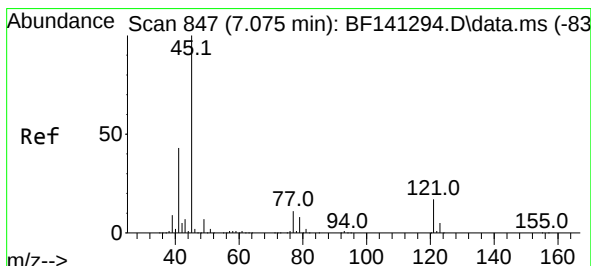
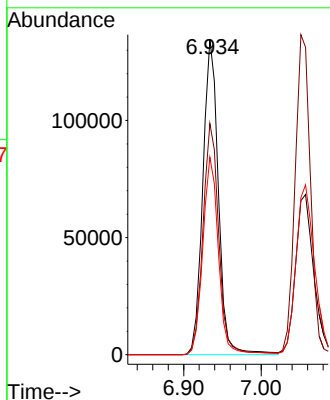
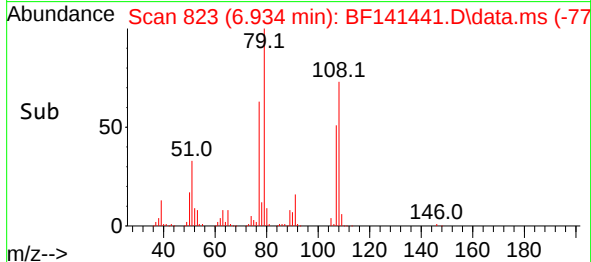
Instrument :
BNA_F
ClientSampleId :
PB166418BS



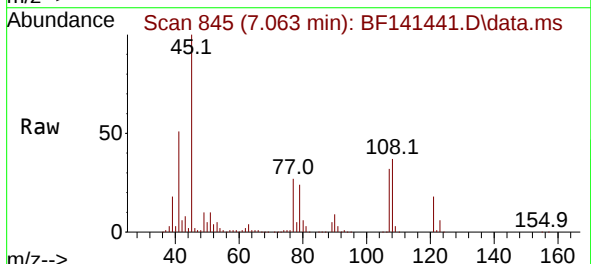
Tgt Ion: 79 Resp: 187415
Ion Ratio Lower Upper
79 100
108 73.3 61.4 92.0
77 62.6 49.9 74.9

Manual Integrations
APPROVED

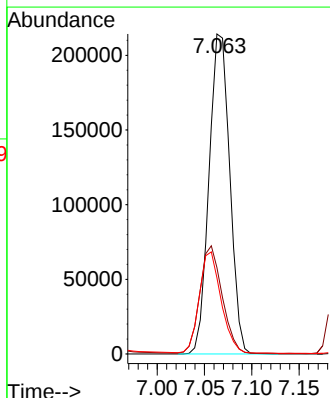
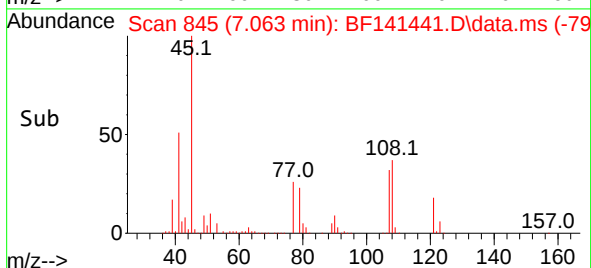
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

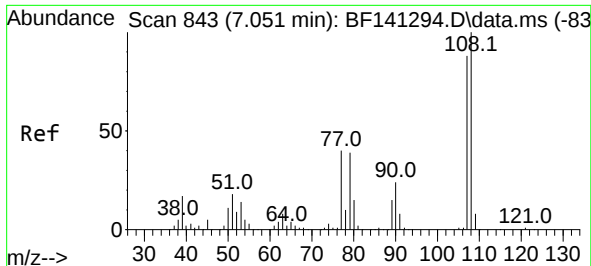


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.236 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



Tgt Ion: 45 Resp: 326923
Ion Ratio Lower Upper
45 100
77 27.0 0.0 31.8
79 23.8 0.0 29.1





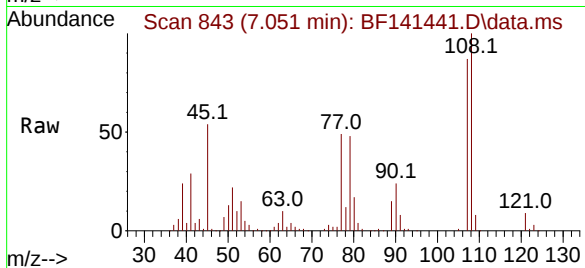
#17
2-Methylphenol
Concen: 41.447 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

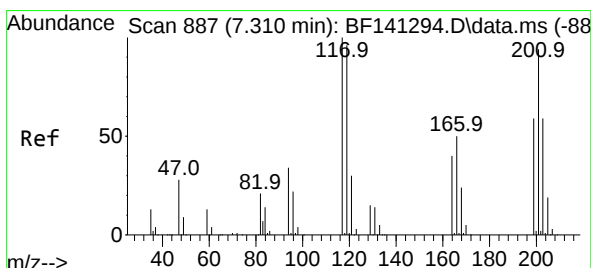
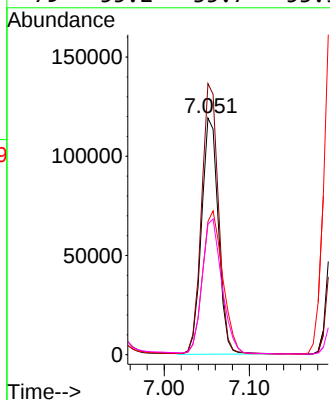
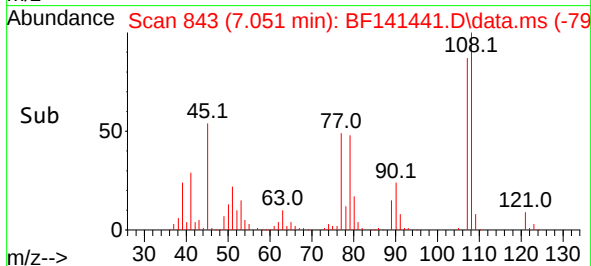


Tgt Ion:107 Resp: 16316
Ion Ratio Lower Upper
107 100
108 114.6 90.8 136.2
77 56.3 36.2 54.4
79 55.2 35.7 53.5#

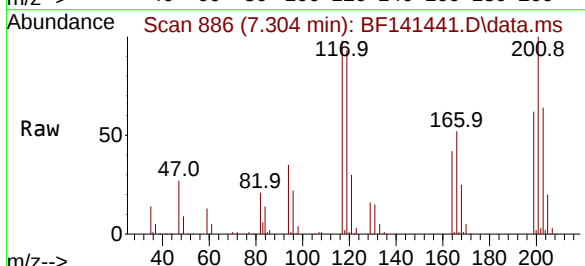
Manual Integrations

APPROVED

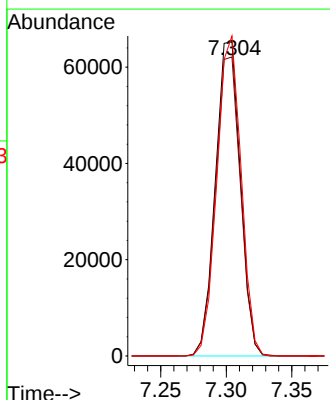
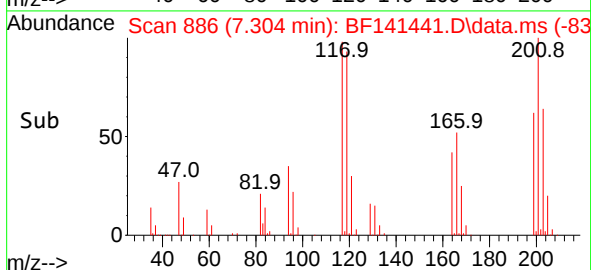
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

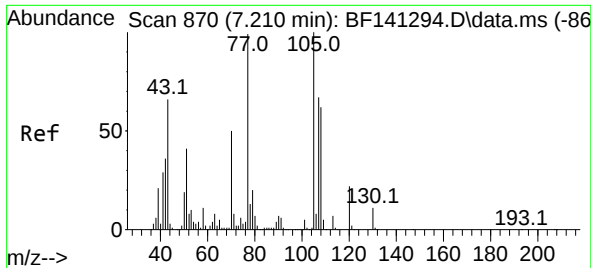


#18
Hexachloroethane
Concen: 43.691 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



Tgt Ion:117 Resp: 86475
Ion Ratio Lower Upper
117 100
119 95.2 76.6 114.8
201 101.9 74.8 112.2





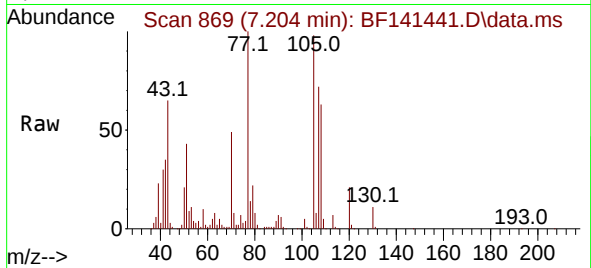
#19
n-Nitroso-di-n-propylamine
Concen: 43.440 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.024 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

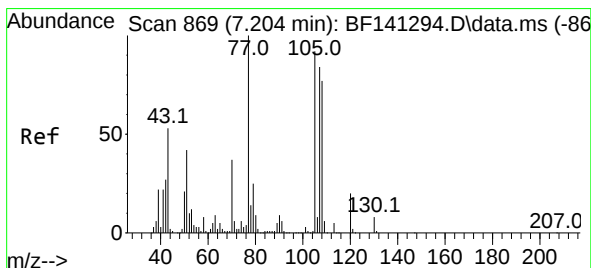
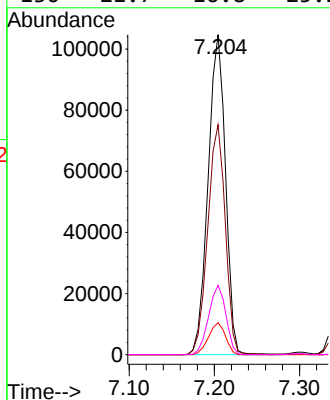
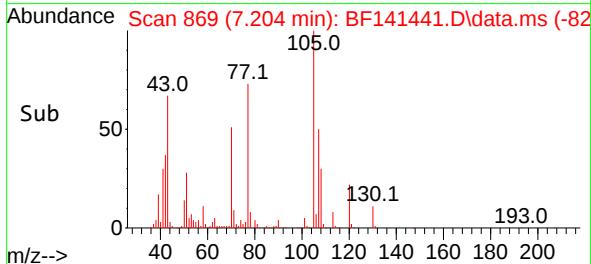


Tgt Ion: 70 Resp: 14839
Ion Ratio Lower Upper
70 100
42 71.8 56.8 85.2
101 10.0 7.7 11.5
130 21.7 16.8 25.2

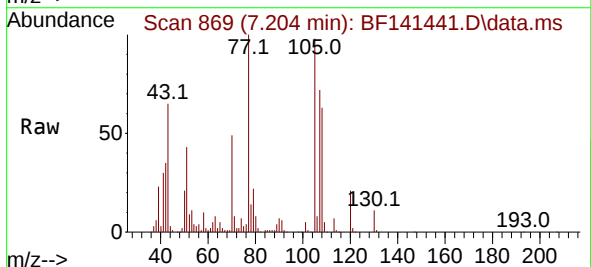
Manual Integrations

APPROVED

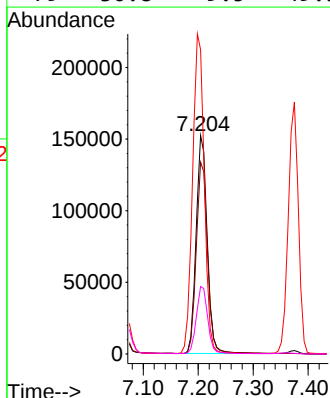
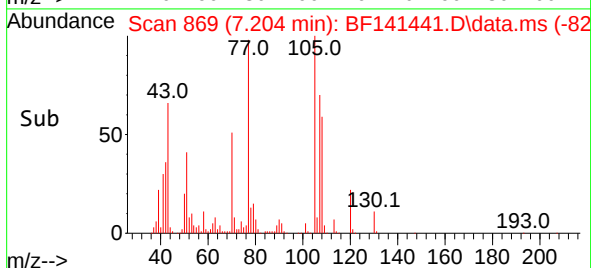
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#20
3+4-Methylphenols
Concen: 44.129 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



Tgt Ion:107 Resp: 213301
Ion Ratio Lower Upper
107 100
108 87.8 70.9 110.9
77 139.2 98.5 138.5#
79 30.8 9.5 49.5





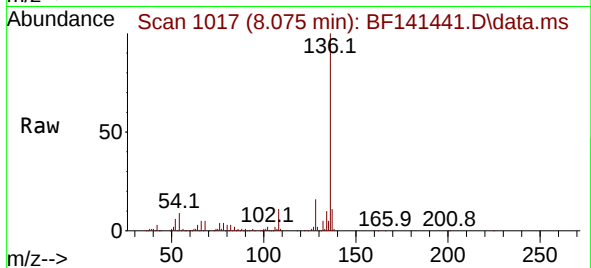
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

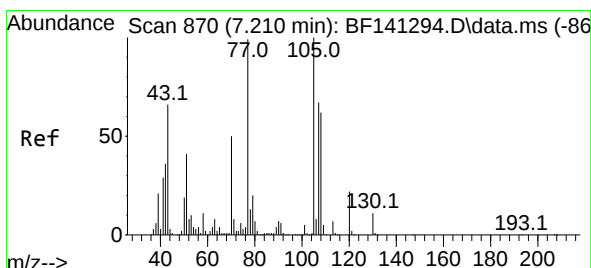
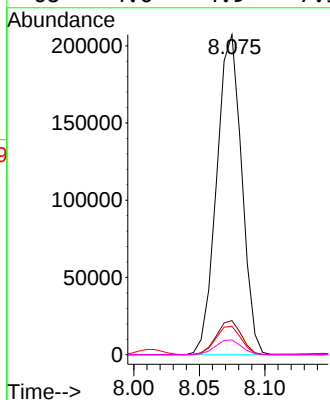
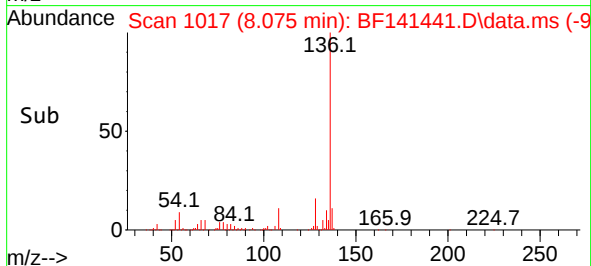


Tgt Ion:136 Resp: 275000
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.9 7.8 11.8
68 4.6 4.9 7.3#

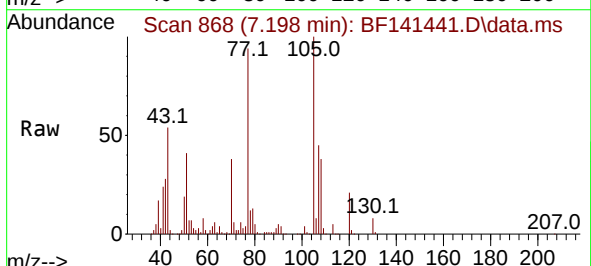
Manual Integrations

APPROVED

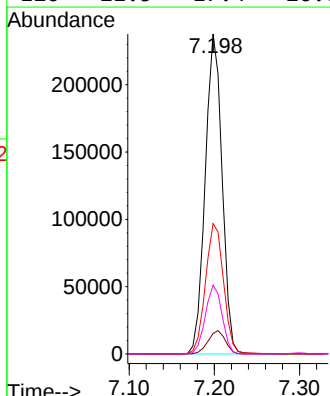
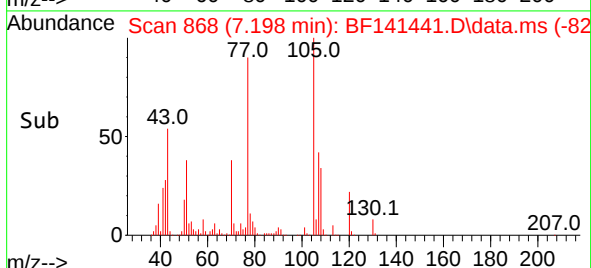
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#22
Acetophenone
Concen: 49.992 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



Tgt Ion:105 Resp: 326794
Ion Ratio Lower Upper
105 100
71 6.4 6.8 10.2#
51 40.7 32.6 49.0
120 21.5 17.4 26.0





#23

Nitrobenzene-d5

Concen: 97.073 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

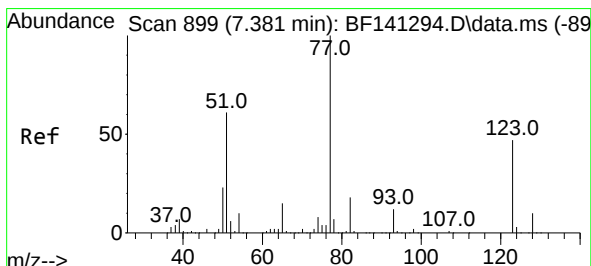
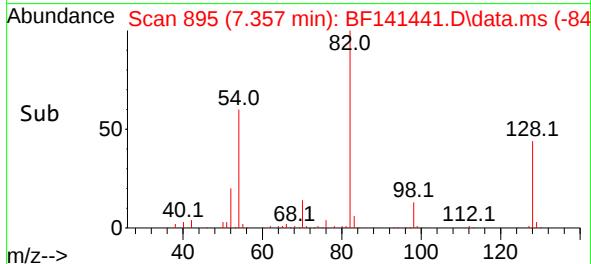
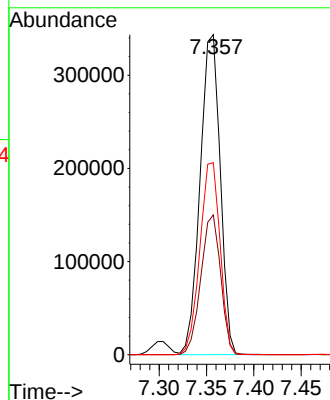
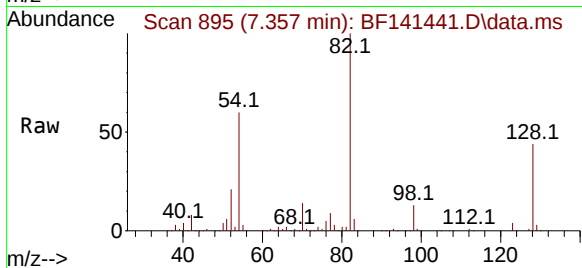
PB166418BS

Tgt Ion: 82 Resp: 506409
 Ion Ratio Lower Upper
 82 100
 128 43.7 35.7 53.5
 54 60.0 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#24

Nitrobenzene

Concen: 41.357 ng

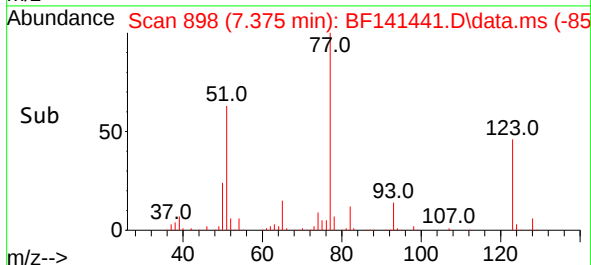
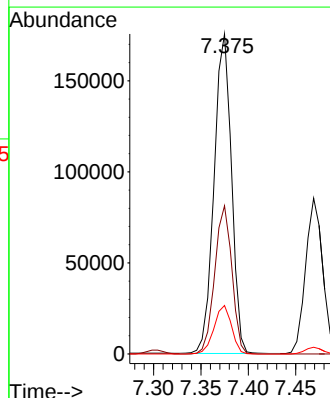
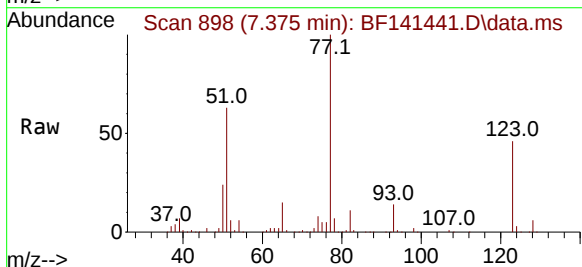
RT: 7.375 min Scan# 898

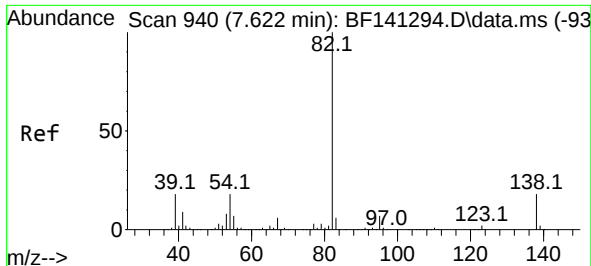
Delta R.T. -0.018 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Tgt Ion: 77 Resp: 223580
 Ion Ratio Lower Upper
 77 100
 123 46.3 37.3 55.9
 65 15.1 11.8 17.6





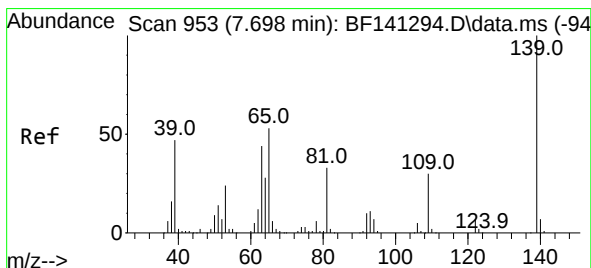
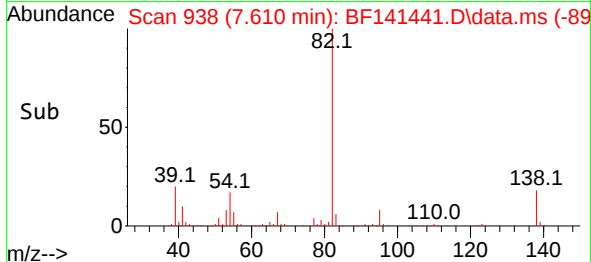
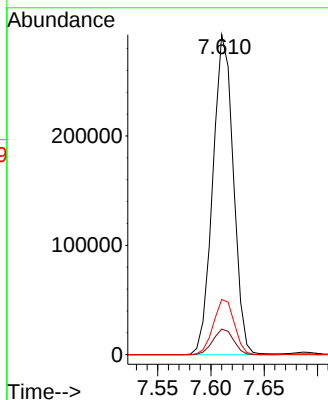
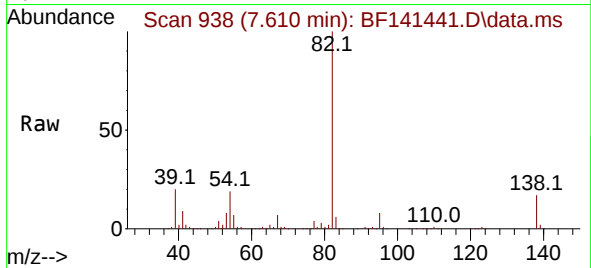
#25
Isophorone
Concen: 43.528 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :
BNA_F
ClientSampleId :
PB166418BS

Tgt Ion: 82 Resp: 392510
Ion Ratio Lower Upper
82 100
95 8.0 5.8 8.6
138 17.3 14.7 22.1

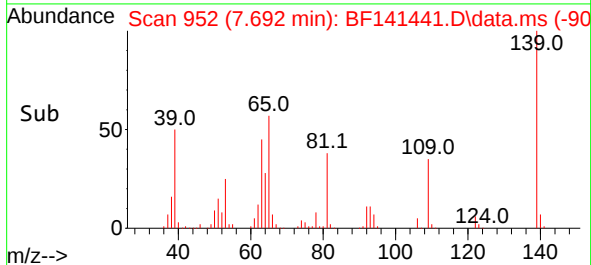
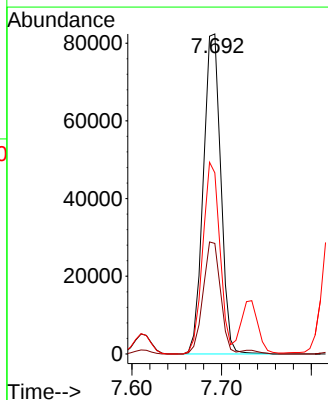
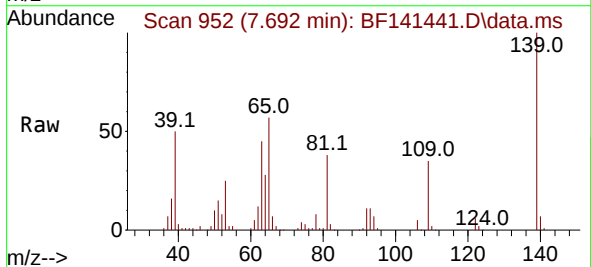
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#26
2-Nitrophenol
Concen: 43.686 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:139 Resp: 111383
Ion Ratio Lower Upper
139 100
109 34.5 23.8 35.6
65 56.6 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 54.012 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141441.D

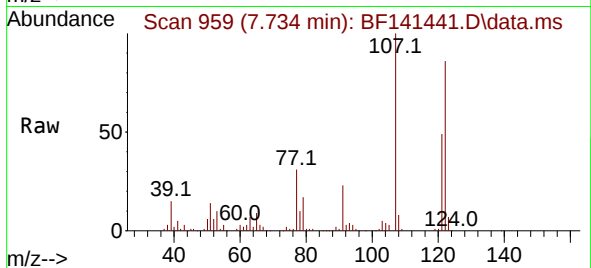
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS



Tgt Ion:122 Resp: 17528

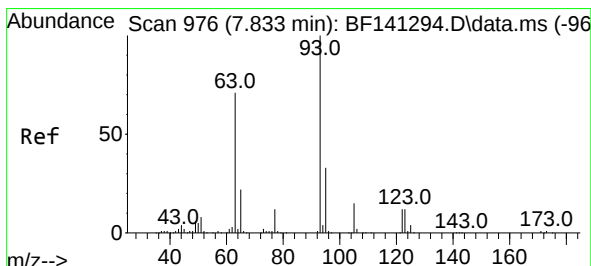
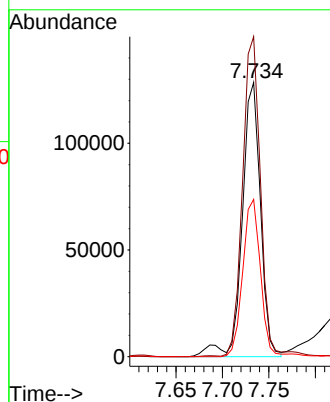
Ion	Ratio	Lower	Upper
122	100		
107	116.7	89.9	134.9
121	57.3	46.1	69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#28

bis(2-Chloroethoxy)methane

Concen: 40.377 ng

RT: 7.822 min Scan# 974

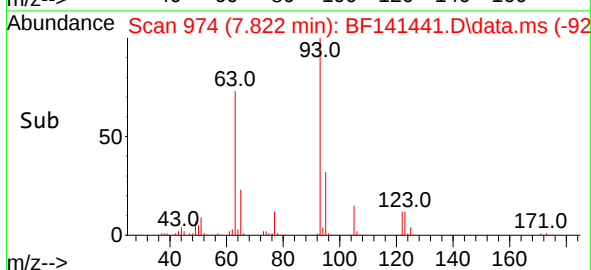
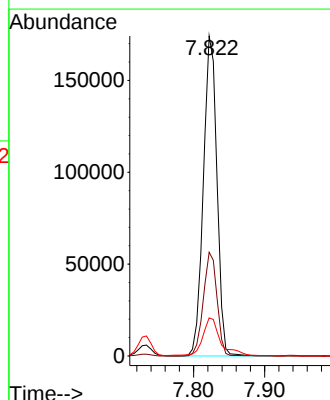
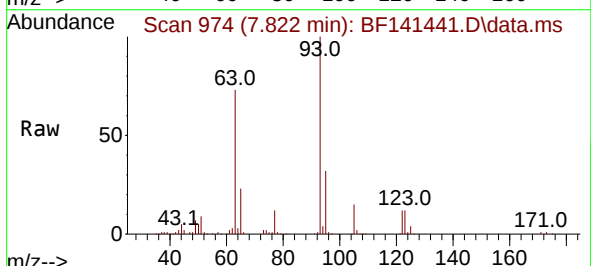
Delta R.T. -0.018 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Tgt Ion: 93 Resp: 232249

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.2
123	11.9	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 43.800 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

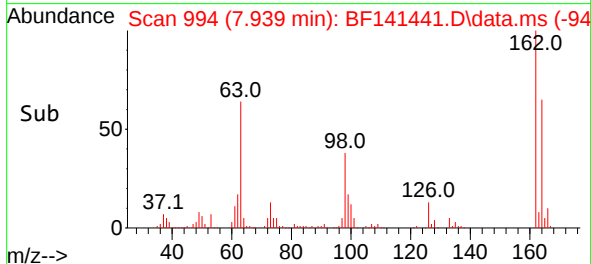
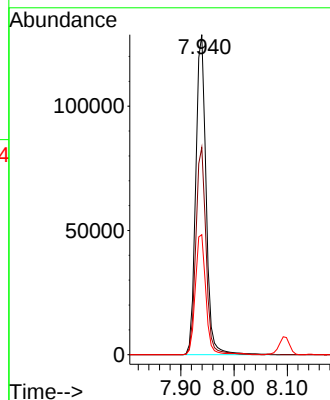
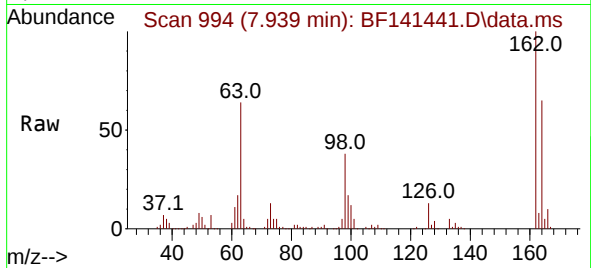
Tgt Ion:162 Resp: 174012
 Ion Ratio Lower Upper
 162 100
 164 64.7 44.2 84.2
 98 37.5 18.2 58.2

Manual Integrations

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Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#30

1,2,4-Trichlorobenzene

Concen: 41.854 ng

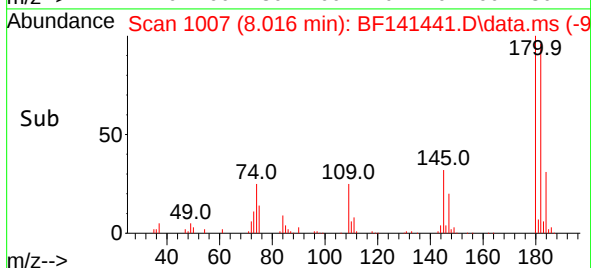
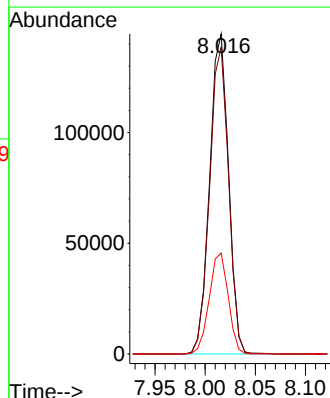
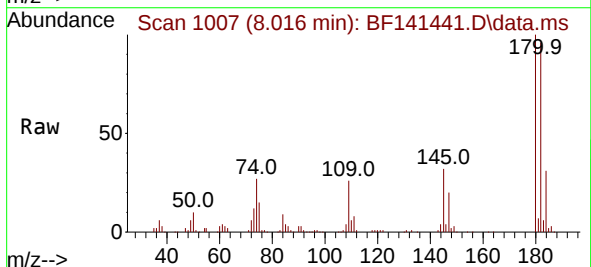
RT: 8.016 min Scan# 1007

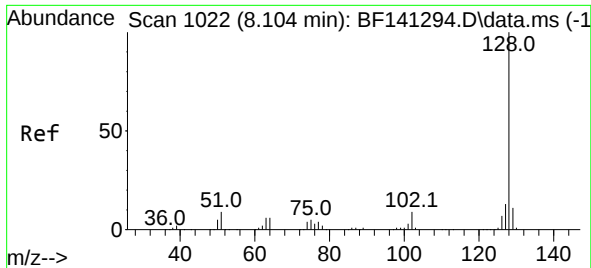
Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

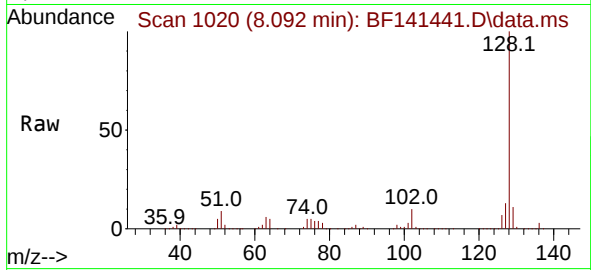
Tgt Ion:180 Resp: 189899
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.4 114.6
 145 31.5 24.9 37.3





#31
Naphthalene
Concen: 42.425 ng
RT: 8.092 min Scan# 1022
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

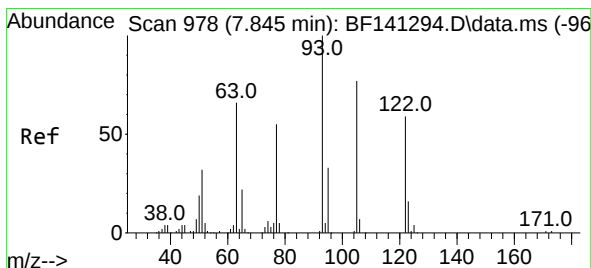
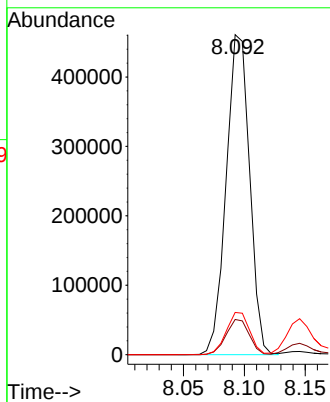
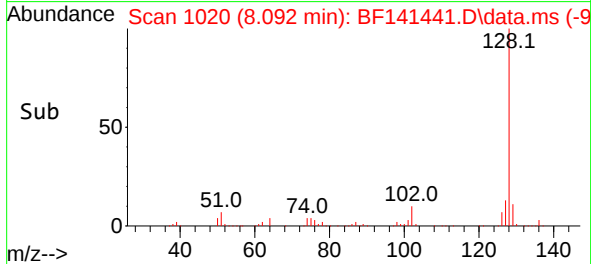
Instrument :
BNA_F
ClientSampleId :
PB166418BS



Tgt Ion:128 Resp: 616340
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.2 10.6 15.8

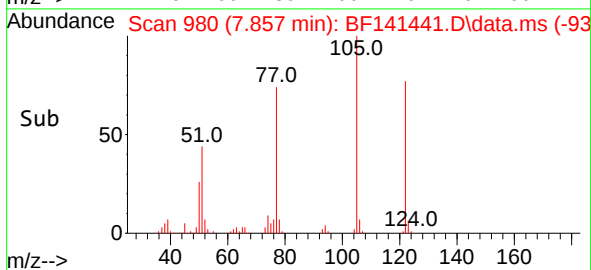
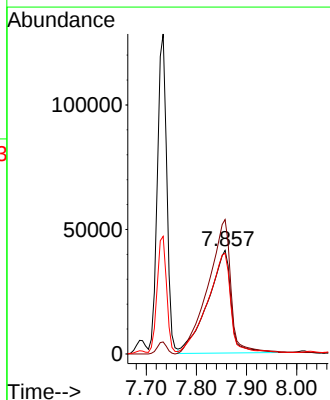
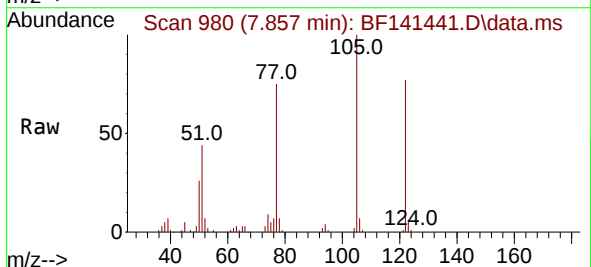
Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#32
Benzoic acid
Concen: 44.550 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:122 Resp: 132904
Ion Ratio Lower Upper
122 100
105 129.8 103.4 143.4
77 97.2 70.9 110.9





#33
4-Chloroaniline
Concen: 17.511 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

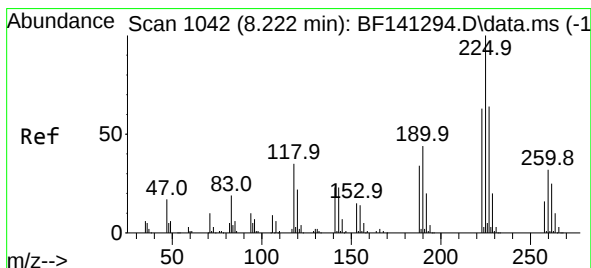
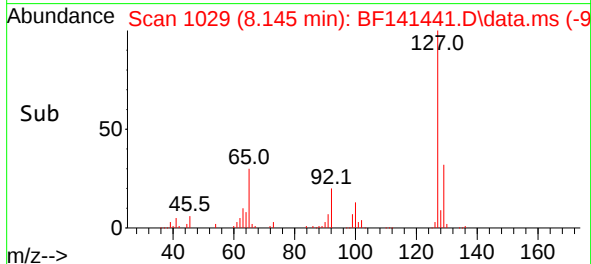
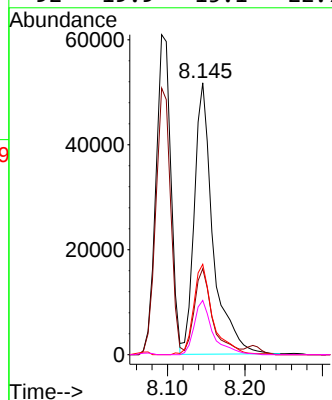
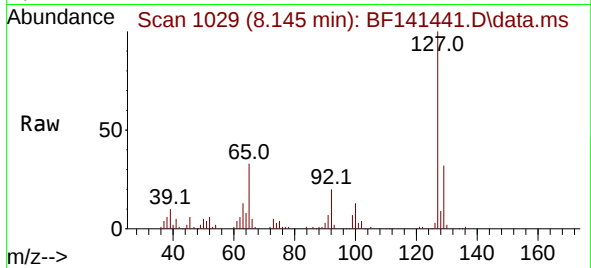
ClientSampleId :

PB166418BS

Tgt Ion:127 Resp: 86260
Ion Ratio Lower Upper
127 100
129 31.6 25.7 38.5
65 33.3 26.4 39.6
92 19.9 15.1 22.7

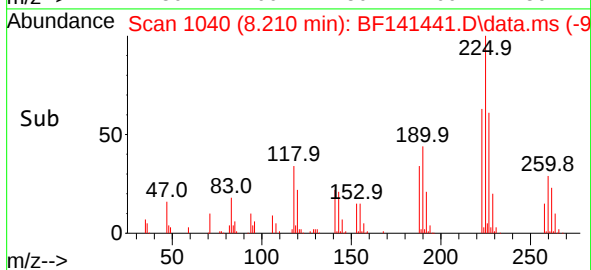
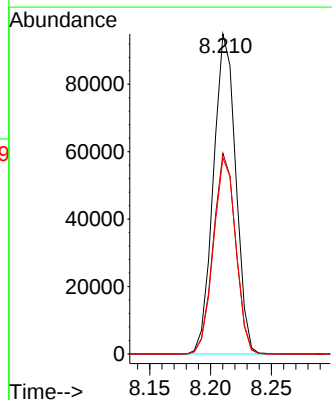
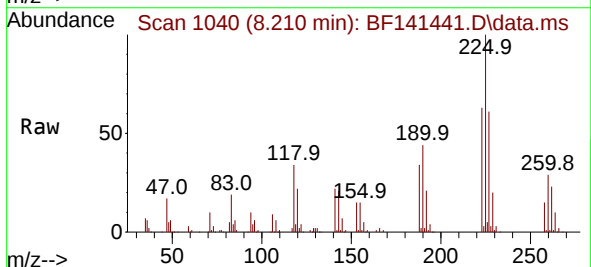
Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#34
Hexachlorobutadiene
Concen: 45.572 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

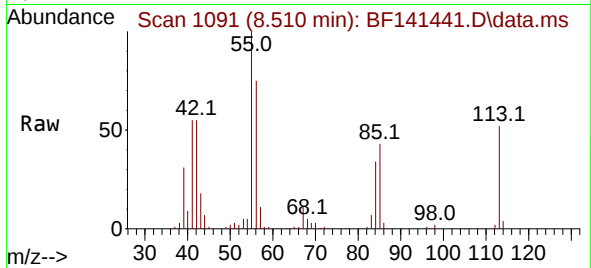
Tgt Ion:225 Resp: 121256
Ion Ratio Lower Upper
225 100
223 62.7 50.4 75.6
227 61.3 51.3 76.9





#35
 Caprolactam
 Concen: 46.916 ng m
 RT: 8.510 min Scan# 1109
 Delta R.T. -0.035 min
 Lab File: BF141441.D
 Acq: 05 Feb 2025 12:39

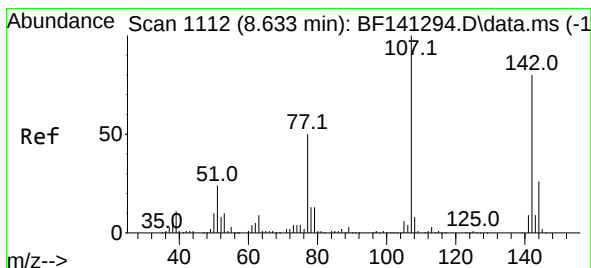
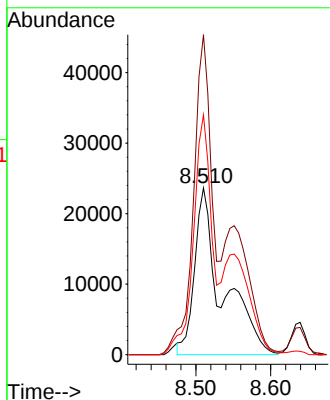
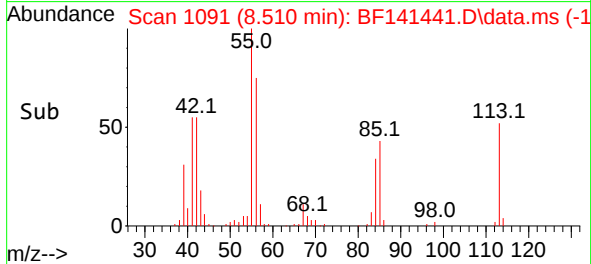
Instrument :
 BNA_F
 ClientSampleId :
 PB166418BS



Tgt Ion:113 Resp: 60874
 Ion Ratio Lower Upper
 113 100
 55 191.9 182.9 222.9
 56 143.8 127.9 167.9

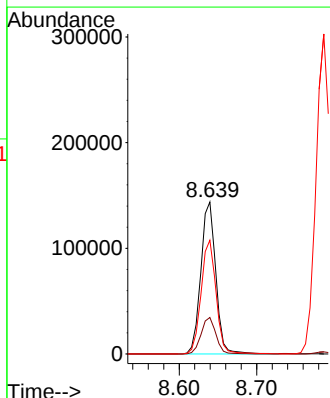
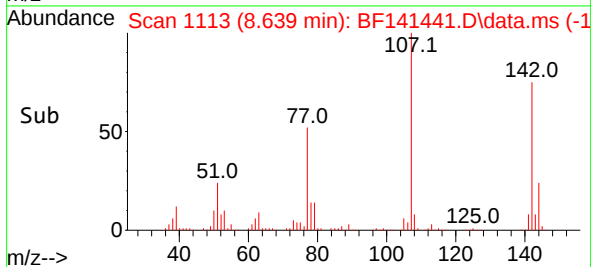
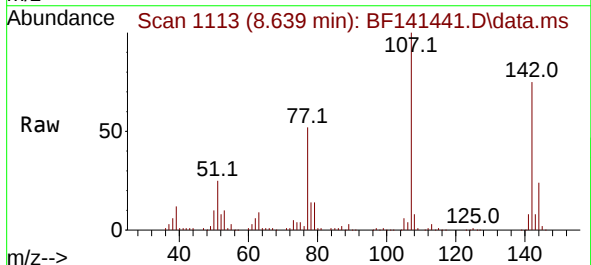
Manual Integrations
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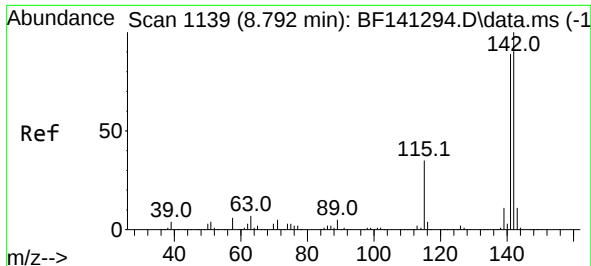
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#36
 4-Chloro-3-methylphenol
 Concen: 45.286 ng
 RT: 8.639 min Scan# 1113
 Delta R.T. -0.000 min
 Lab File: BF141441.D
 Acq: 05 Feb 2025 12:39

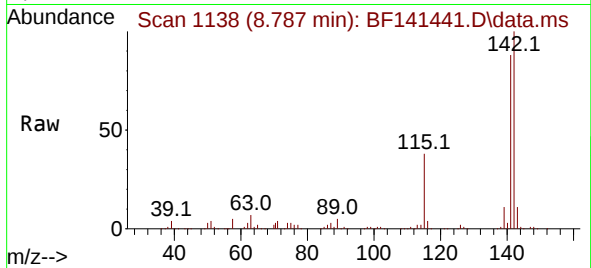
Tgt Ion:107 Resp: 192987
 Ion Ratio Lower Upper
 107 100
 144 24.0 20.7 31.1
 142 74.9 63.8 95.8





#37
2-Methylnaphthalene
Concen: 41.791 ng
RT: 8.787 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

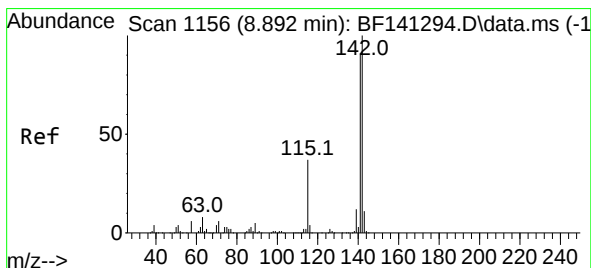
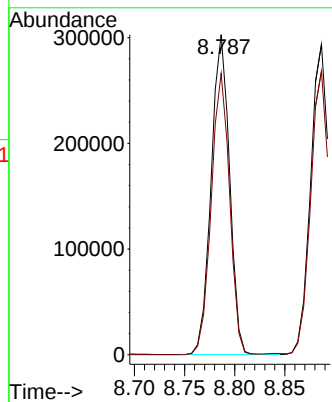
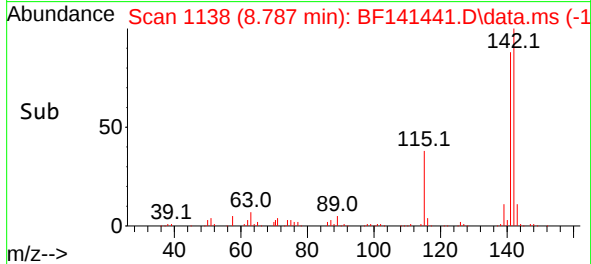
Instrument :
BNA_F
ClientSampleId :
PB166418BS



Tgt Ion:142 Resp: 38588
Ion Ratio Lower Upper
142 100
141 87.9 71.3 106.9

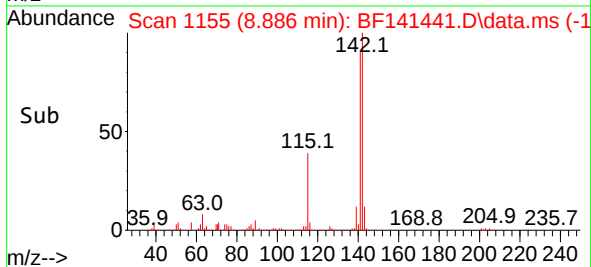
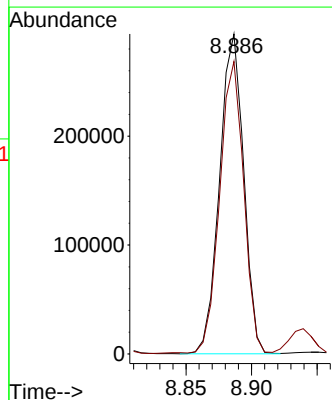
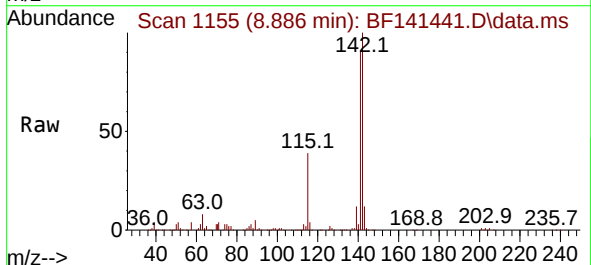
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#38
1-Methylnaphthalene
Concen: 41.327 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

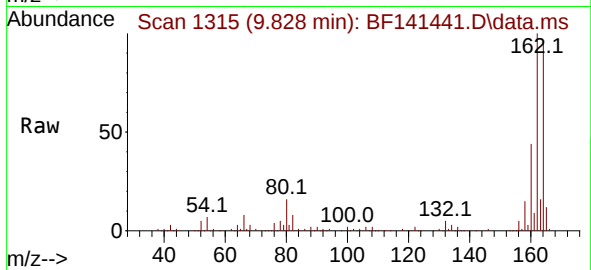
Tgt Ion:142 Resp: 374851
Ion Ratio Lower Upper
142 100
141 91.4 73.2 109.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1165
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

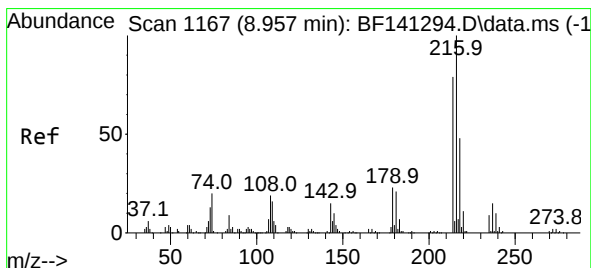
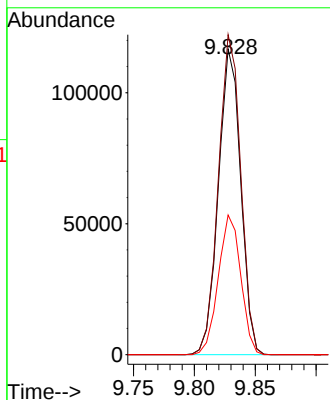
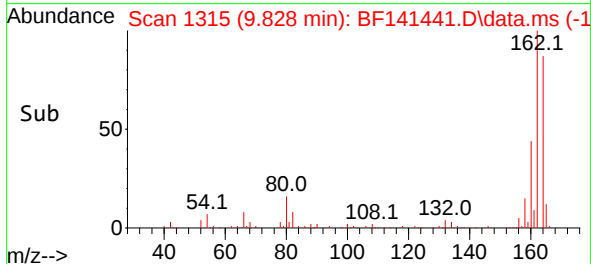
Instrument :
BNA_F
ClientSampleId :
PB166418BS



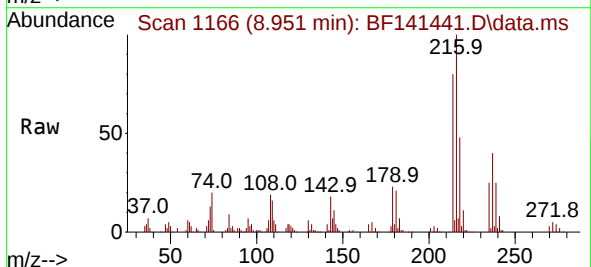
Tgt Ion:164 Resp: 148840
Ion Ratio Lower Upper
164 100
162 104.7 80.6 121.0
160 45.7 35.8 53.6

Manual Integrations
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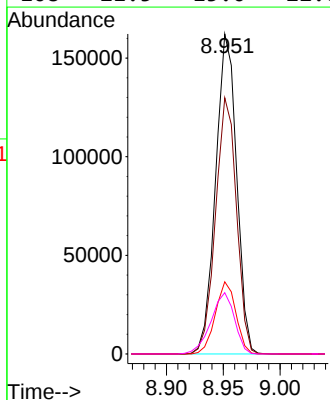
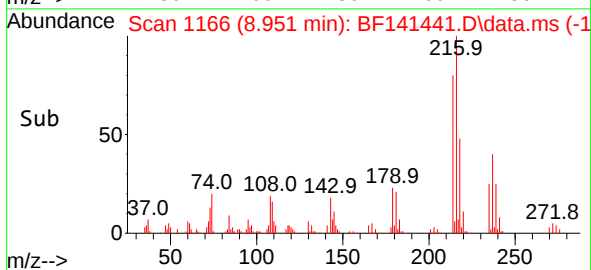
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

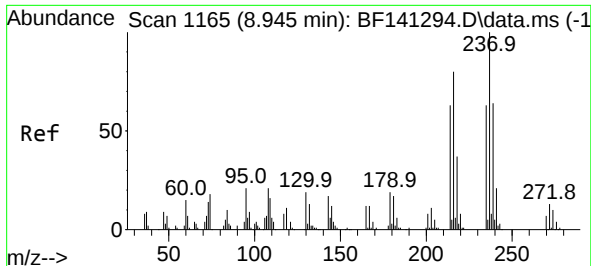


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.310 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



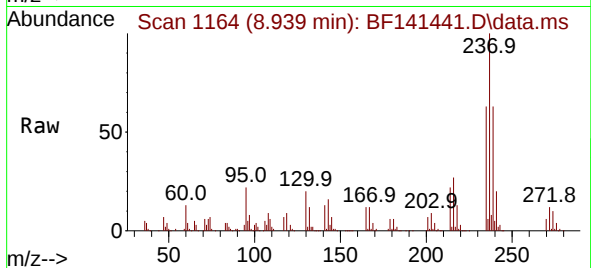
Tgt Ion:216 Resp: 208801
Ion Ratio Lower Upper
216 100
214 79.8 63.2 94.8
179 22.1 17.8 26.8
108 21.5 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 187.667 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

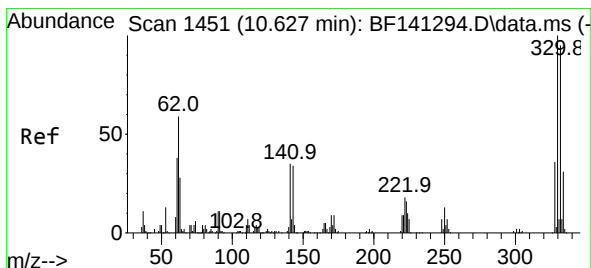
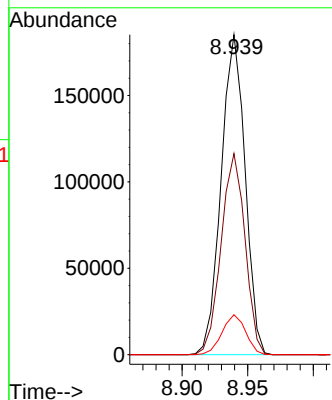
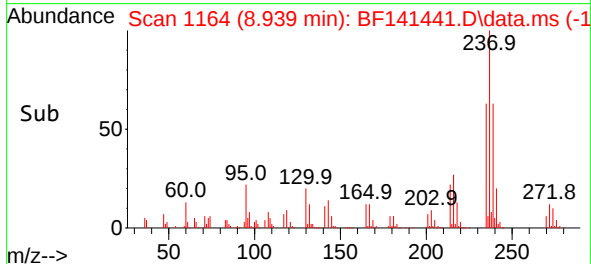
Instrument :
BNA_F
ClientSampleId :
PB166418BS



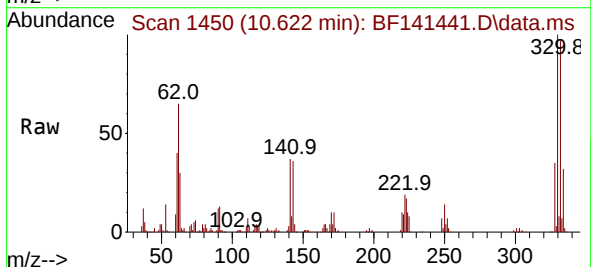
Tgt Ion:237 Resp: 23469
Ion Ratio Lower Upper
237 100
235 62.9 42.9 82.9
272 12.5 0.0 32.8

Manual Integrations
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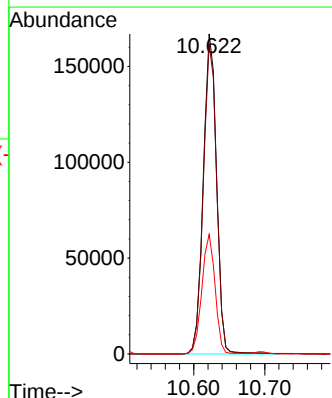
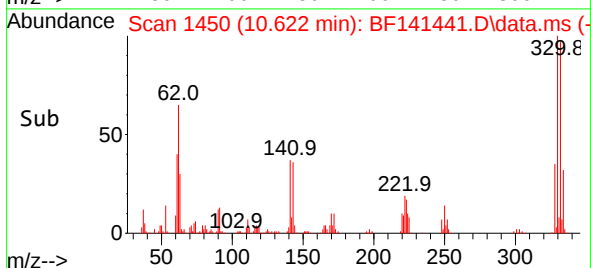
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#42
2,4,6-Tribromophenol
Concen: 159.573 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



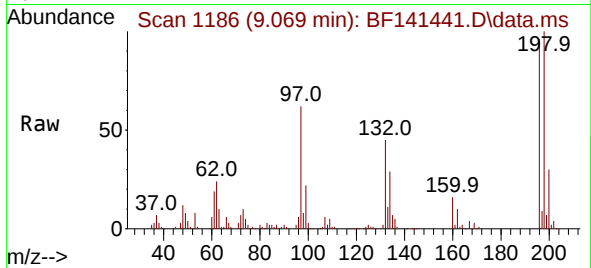
Tgt Ion:330 Resp: 217749
Ion Ratio Lower Upper
330 100
332 97.4 76.1 114.1
141 37.2 28.8 43.2





#43
2,4,6-Trichlorophenol
Concen: 44.316 ng
RT: 9.069 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

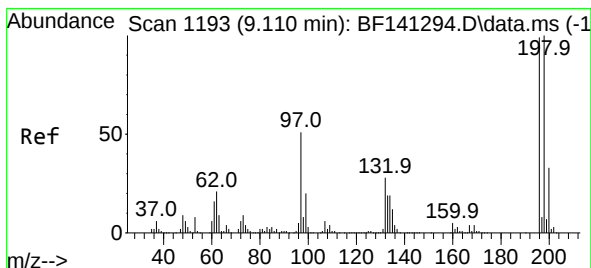
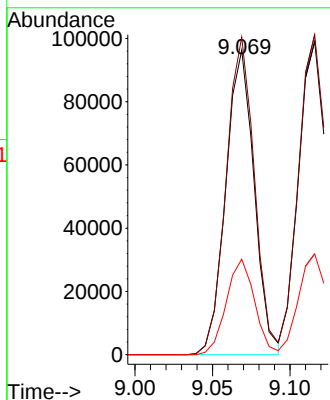
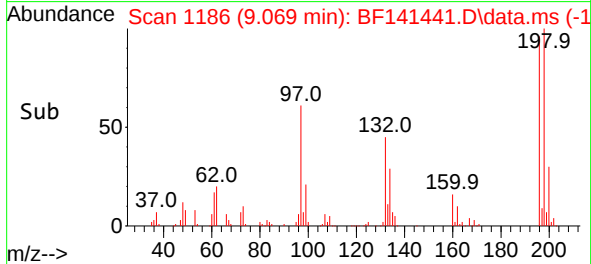
Instrument :
BNA_F
ClientSampleId :
PB166418BS



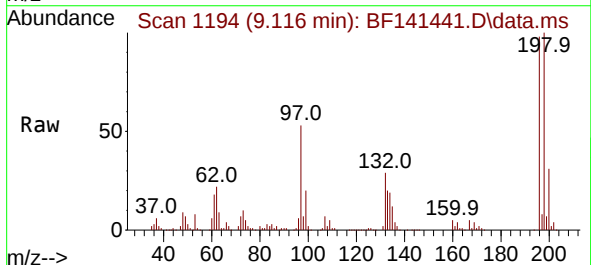
Tgt Ion:196 Resp: 122828
Ion Ratio Lower Upper
196 100
198 104.3 81.8 122.6
200 31.4 26.3 39.5

Manual Integrations
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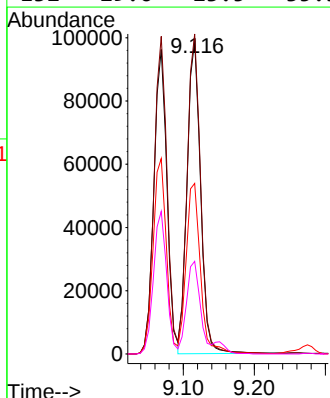
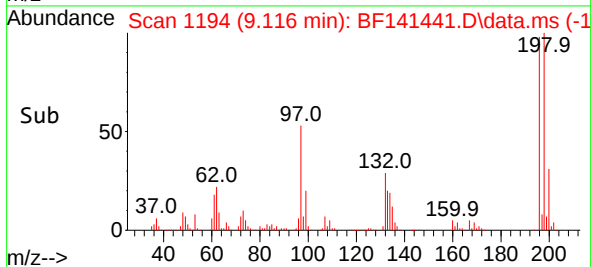
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

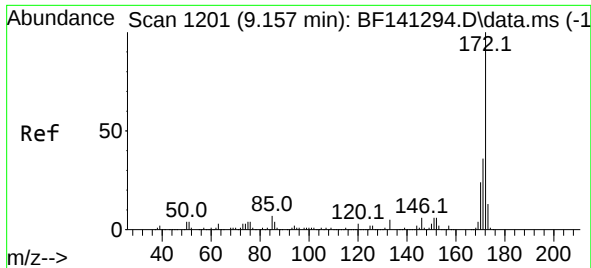


#44
2,4,5-Trichlorophenol
Concen: 43.190 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



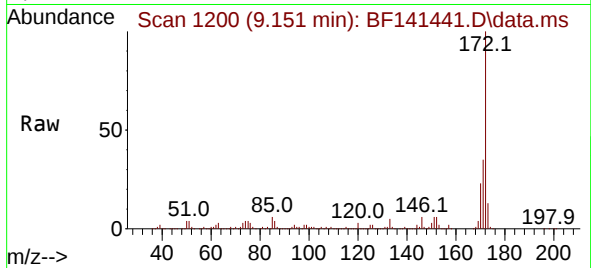
Tgt Ion:196 Resp: 130288
Ion Ratio Lower Upper
196 100
198 102.1 80.5 120.7
97 54.4 42.8 64.2
132 29.6 23.5 35.3





#45
2-Fluorobiphenyl
Concen: 98.931 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

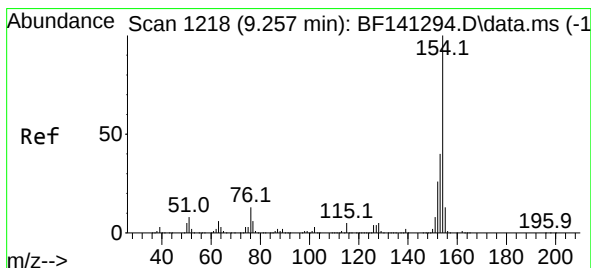
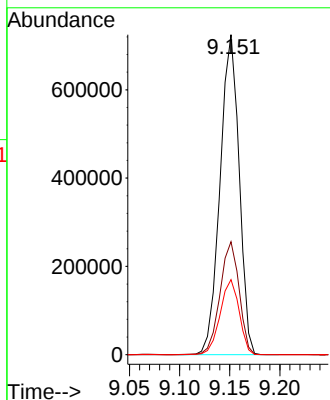
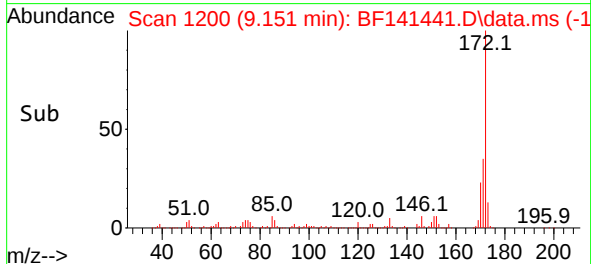
Instrument :
BNA_F
ClientSampleId :
PB166418BS



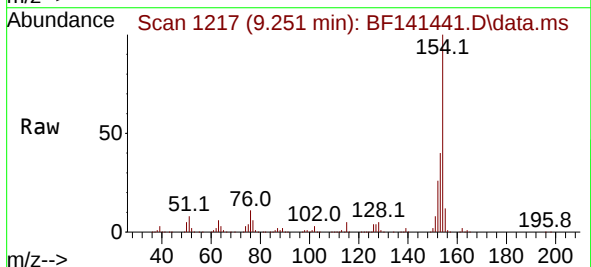
Tgt Ion:172 Resp: 956699
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.5 19.0 28.6

Manual Integrations
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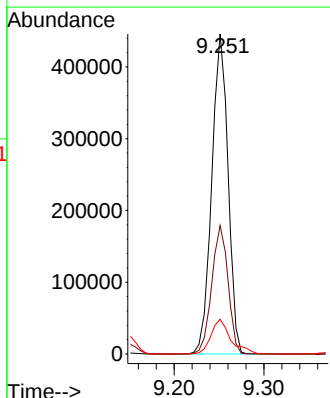
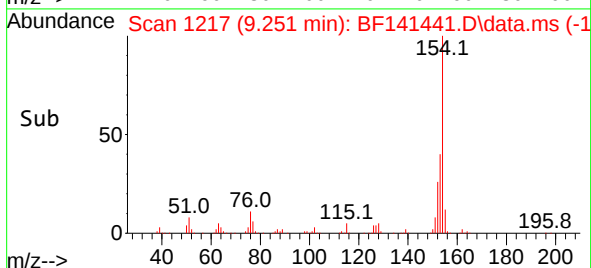
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#46
1,1'-Biphenyl
Concen: 48.309 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



Tgt Ion:154 Resp: 560784
Ion Ratio Lower Upper
154 100
153 40.1 20.0 60.0
76 10.8 0.0 32.8





#47

2-Chloronaphthalene

Concen: 41.655 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

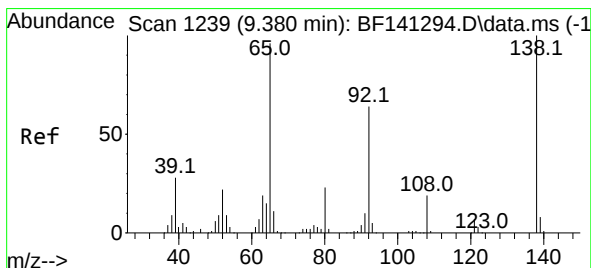
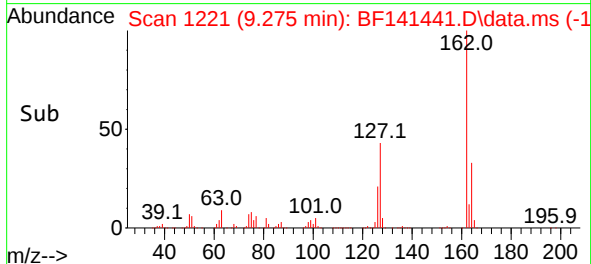
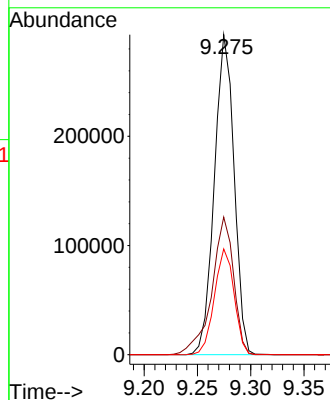
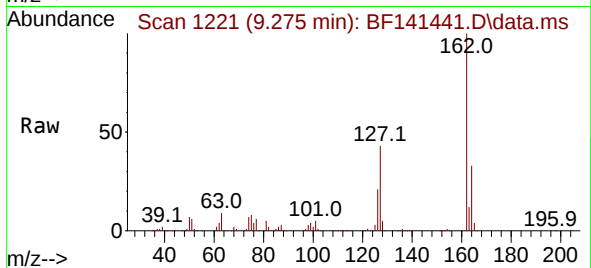
Tgt Ion:162 Resp: 376890
 Ion Ratio Lower Upper
 162 100
 127 43.0 33.7 50.5
 164 33.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#48

2-Nitroaniline

Concen: 44.811 ng

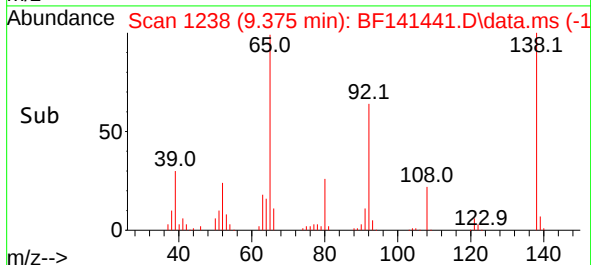
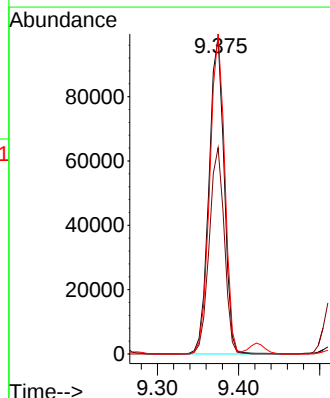
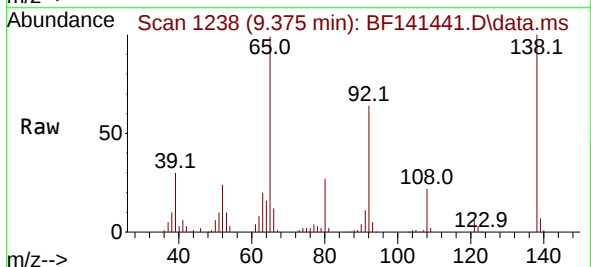
RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Tgt Ion: 65 Resp: 127531
 Ion Ratio Lower Upper
 65 100
 92 65.2 53.3 79.9
 138 101.2 83.6 125.4





#49
Acenaphthylene
Concen: 46.522 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

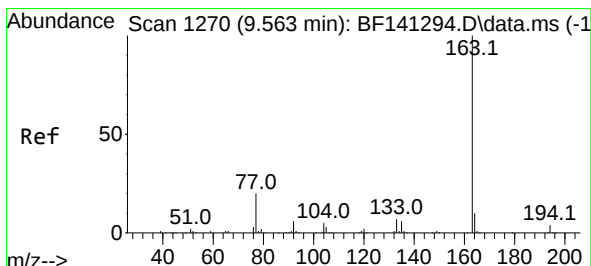
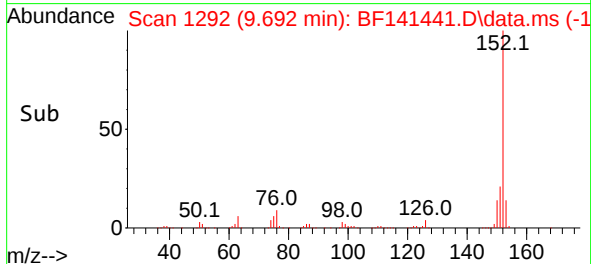
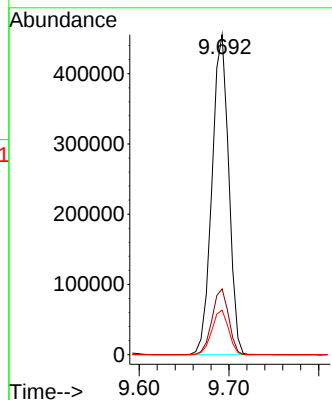
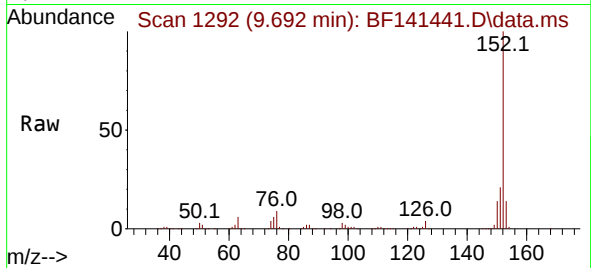
ClientSampleId :

PB166418BS

Tgt Ion:152 Resp: 58922
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.2
153 13.9 11.0 16.6

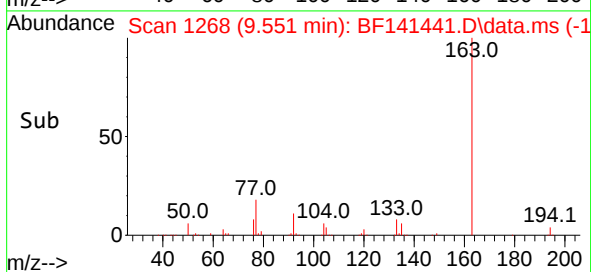
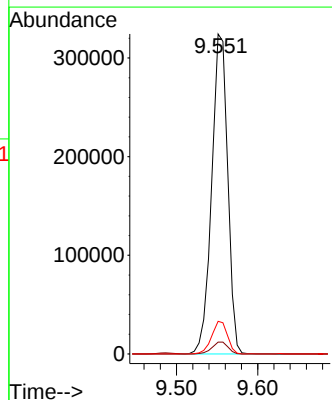
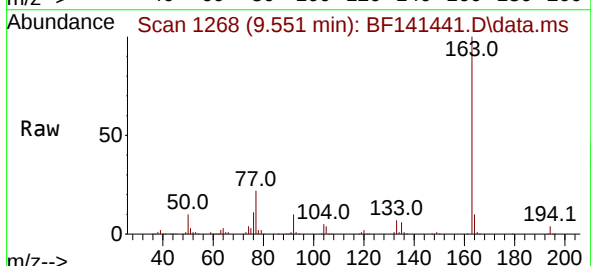
Manual Integrations
APPROVED

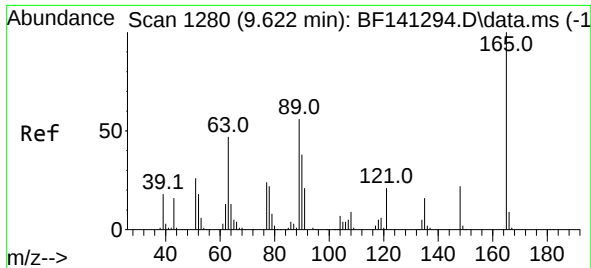
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#50
Dimethylphthalate
Concen: 44.205 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:163 Resp: 444390
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.2 8.0 12.0





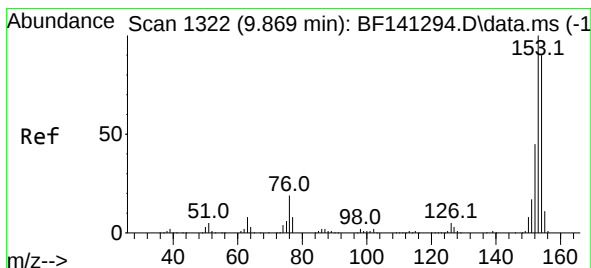
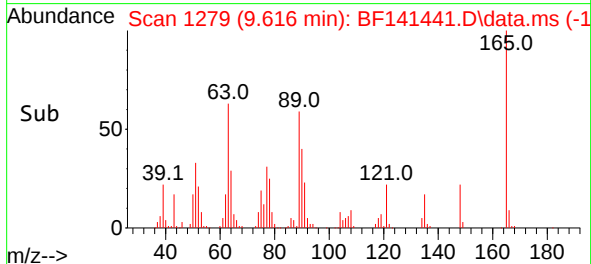
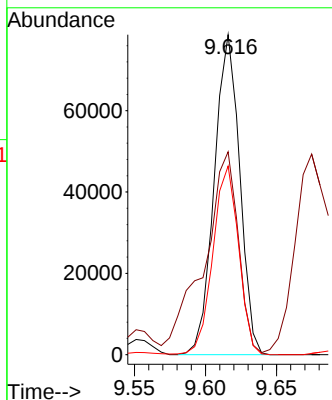
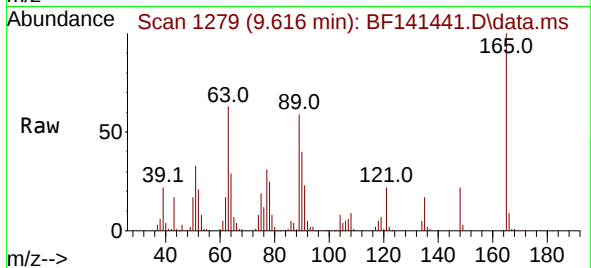
#51
2,6-Dinitrotoluene
Concen: 41.975 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :
BNA_F
ClientSampleId :
PB166418BS

Tgt Ion:165 Resp: 97978
Ion Ratio Lower Upper
165 100
63 63.4 48.1 72.1
89 58.9 44.9 67.3

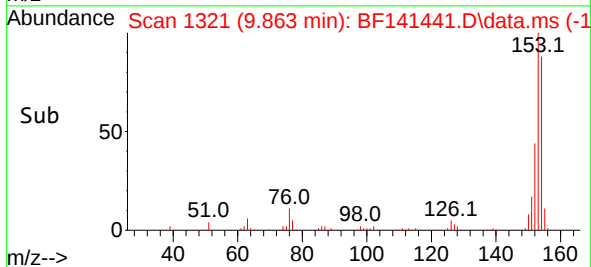
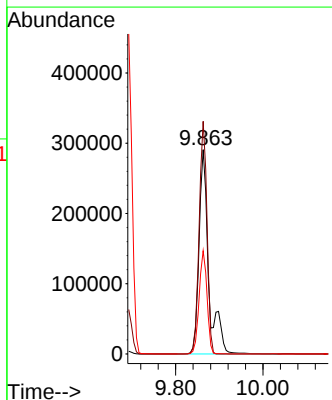
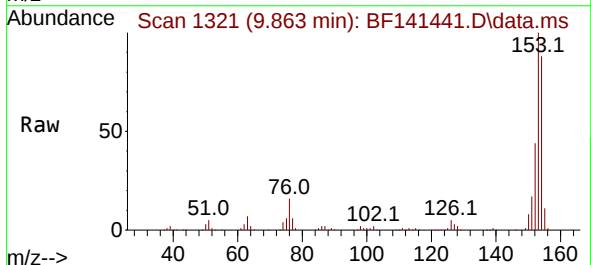
Manual Integrations
APPROVED

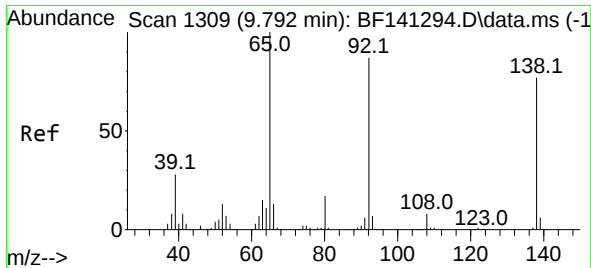
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#52
Acenaphthene
Concen: 49.920 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:154 Resp: 451686
Ion Ratio Lower Upper
154 100
153 113.9 89.0 133.4
152 50.5 40.2 60.4





#53
3-Nitroaniline
Concen: 22.577 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

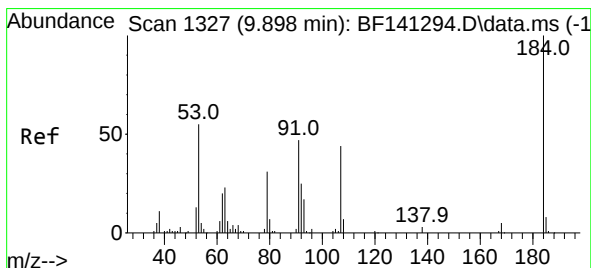
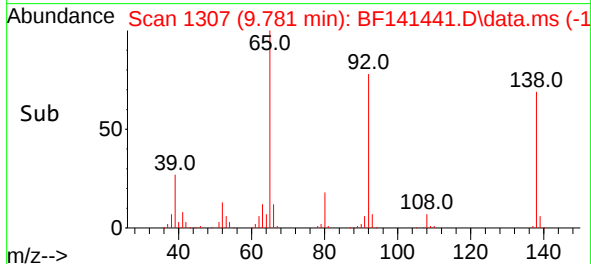
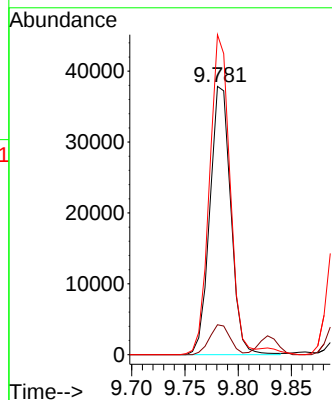
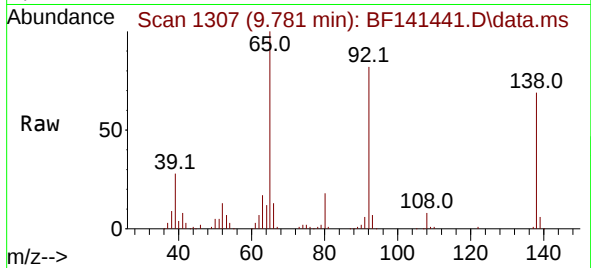
ClientSampleId :

PB166418BS

Tgt Ion:138 Resp: 5165
Ion Ratio Lower Upper
138 100
108 11.2 8.6 12.8
92 119.3 91.0 136.6

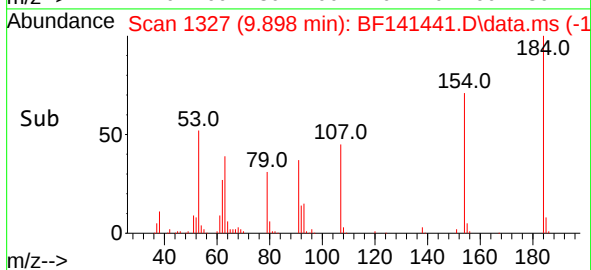
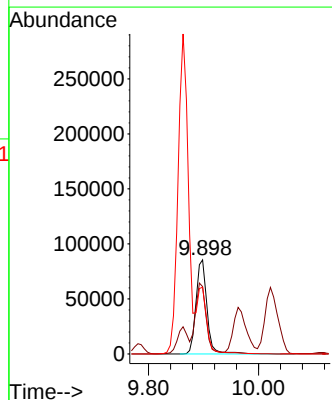
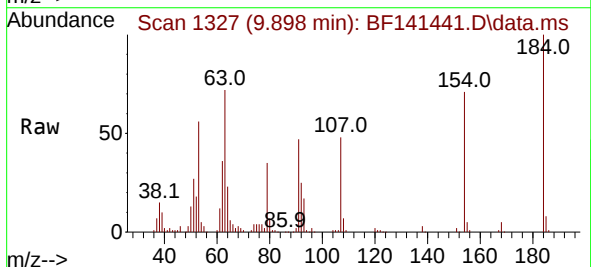
Manual Integrations
APPROVED

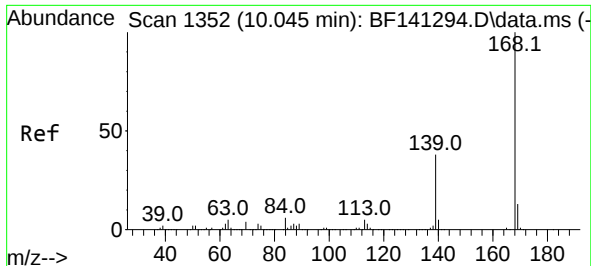
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#54
2,4-Dinitrophenol
Concen: 109.971 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

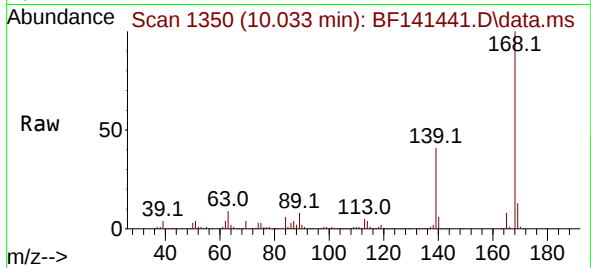
Tgt Ion:184 Resp: 119325
Ion Ratio Lower Upper
184 100
63 71.6 54.1 81.1
154 71.0 50.7 76.1





#55
Dibenzenofuran
Concen: 44.777 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

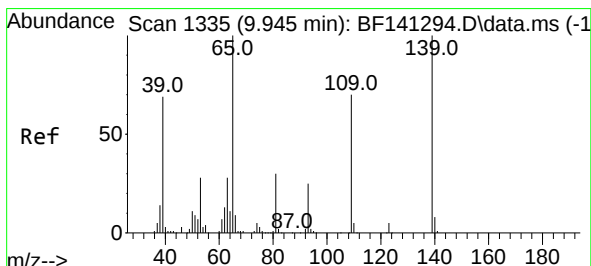
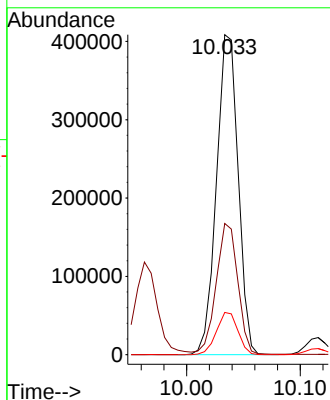
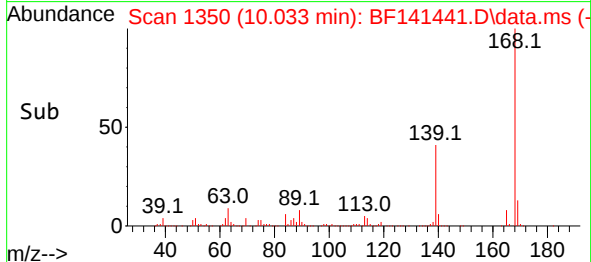
Instrument :
BNA_F
ClientSampleId :
PB166418BS



Tgt Ion:168 Resp: 54231
Ion Ratio Lower Upper
168 100
139 41.0 30.6 46.0
169 13.2 10.8 16.2

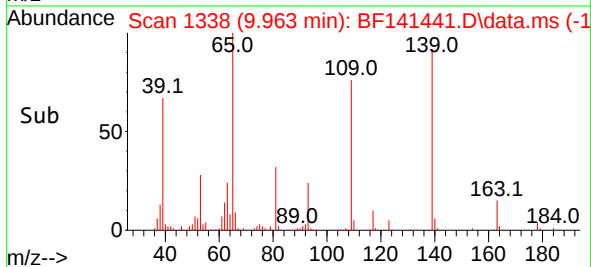
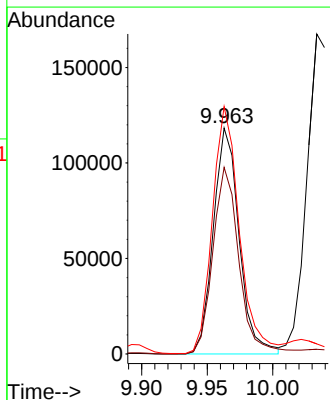
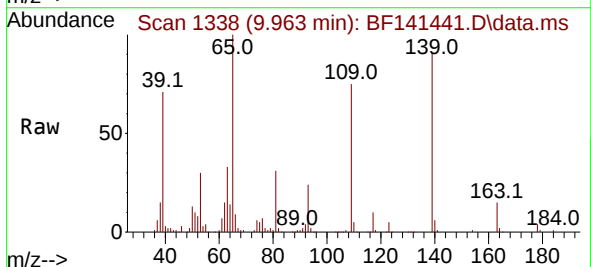
Manual Integrations
APPROVED

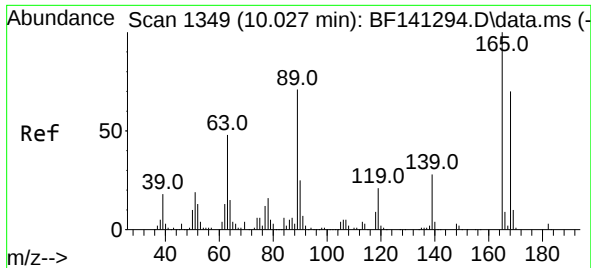
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#56
4-Nitrophenol
Concen: 96.797 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:139 Resp: 161953
Ion Ratio Lower Upper
139 100
109 82.6 50.2 90.2
65 109.5 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 45.494 ng
RT: 10.022 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

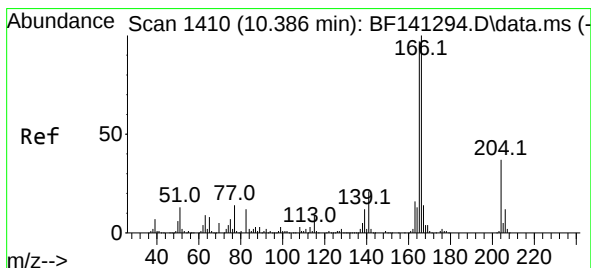
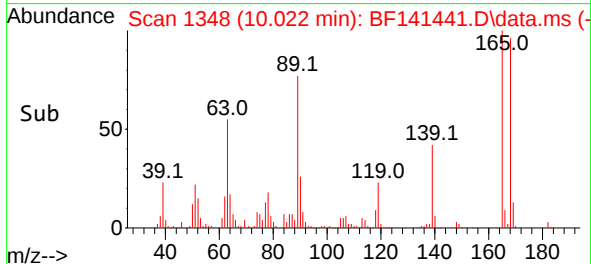
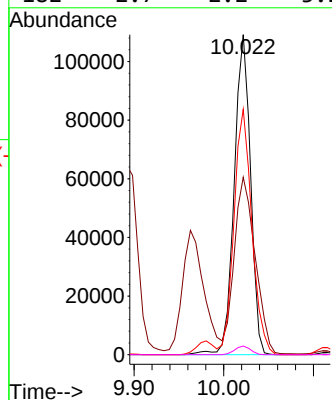
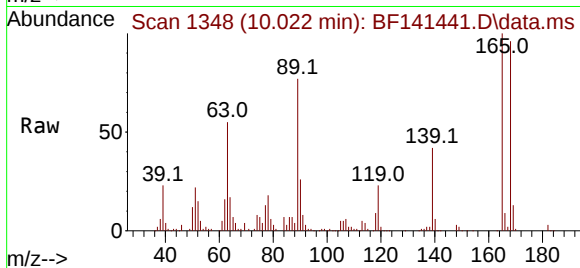
ClientSampleId :

PB166418BS

Tgt Ion:165 Resp: 13748
Ion Ratio Lower Upper
165 100
63 55.4 39.2 58.8
89 76.7 56.9 85.3
182 2.7 2.2 3.2

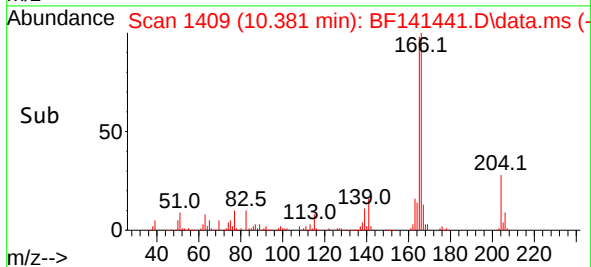
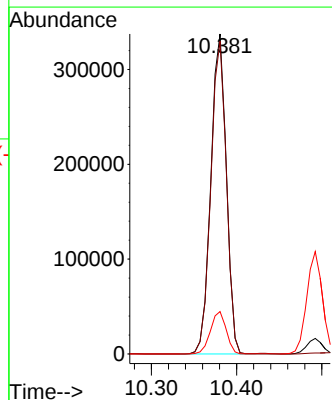
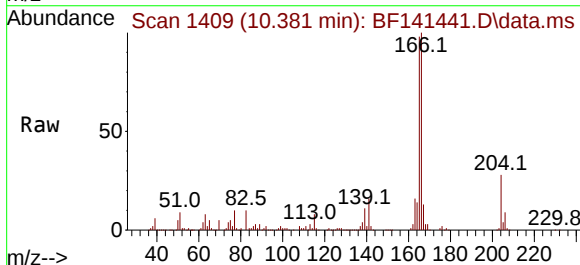
Manual Integrations
APPROVED

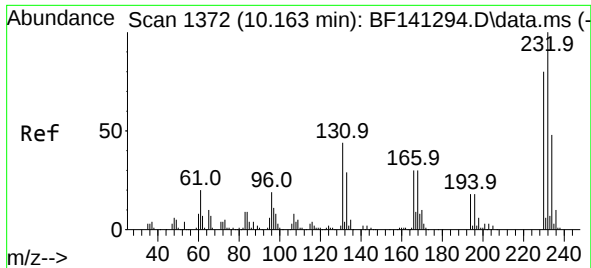
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#58
Fluorene
Concen: 45.391 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

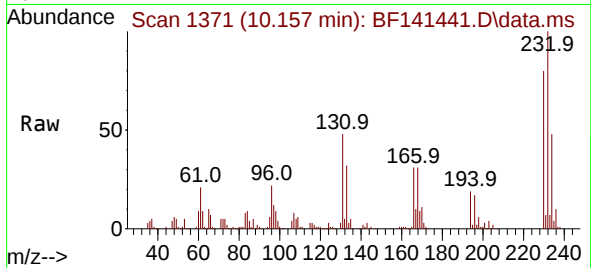
Tgt Ion:166 Resp: 426432
Ion Ratio Lower Upper
166 100
165 97.8 77.5 116.3
167 13.2 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 48.999 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

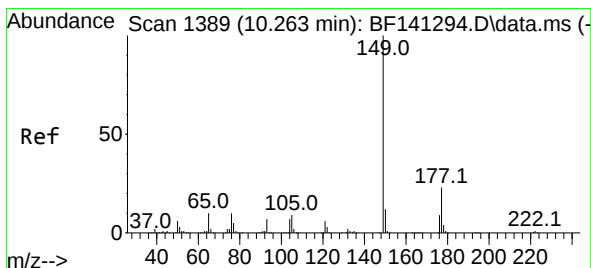
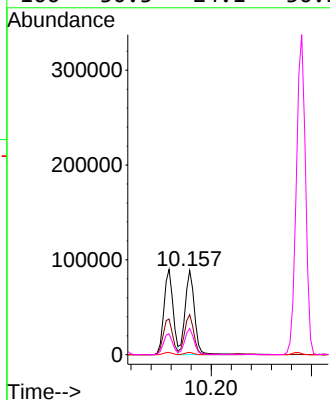
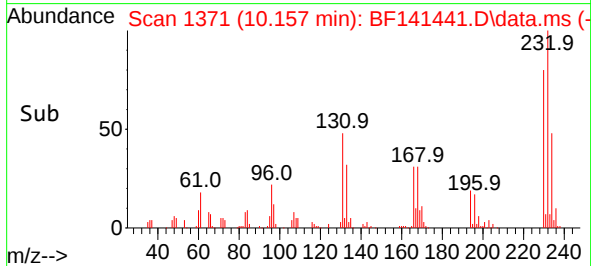
Instrument :
BNA_F
ClientSampleId :
PB166418BS



Tgt Ion:232 Resp: 116280
Ion Ratio Lower Upper
232 100
131 47.0 36.4 54.6
130 2.5 1.9 2.9
166 30.3 24.1 36.1

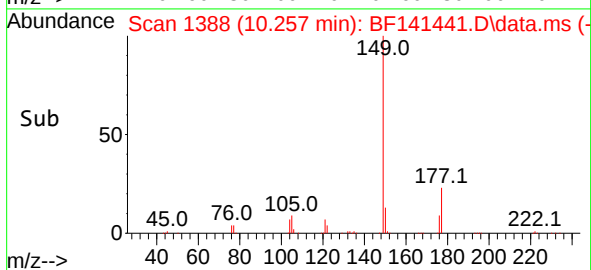
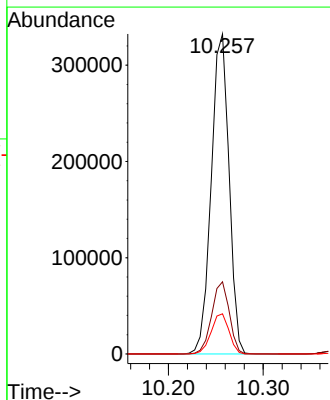
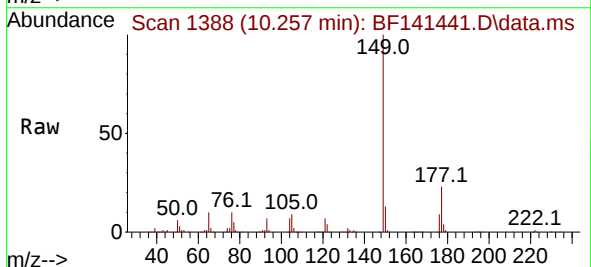
Manual Integrations
APPROVED

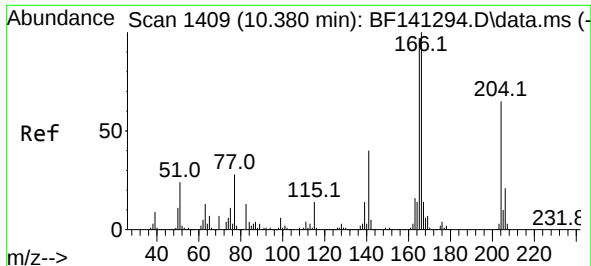
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#60
Diethylphthalate
Concen: 44.397 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:149 Resp: 432760
Ion Ratio Lower Upper
149 100
177 22.5 18.5 27.7
150 12.6 10.0 15.0





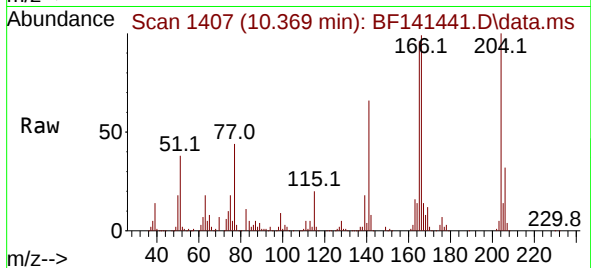
#61
4-Chlorophenyl-phenylether
Concen: 45.496 ng
RT: 10.369 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

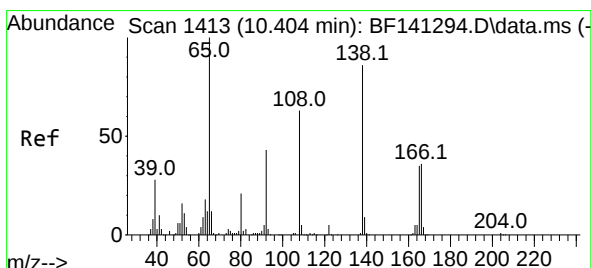
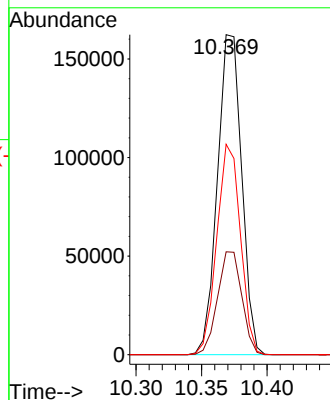
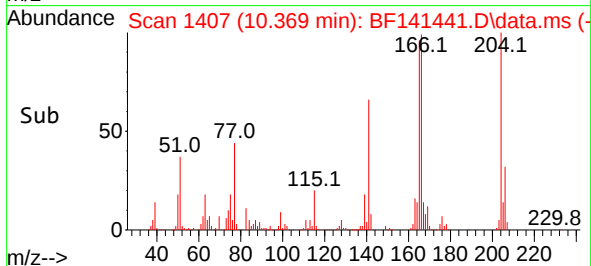


Tgt Ion:204 Resp: 20878
Ion Ratio Lower Upper
204 100
206 32.1 25.9 38.9
141 65.7 49.5 74.3

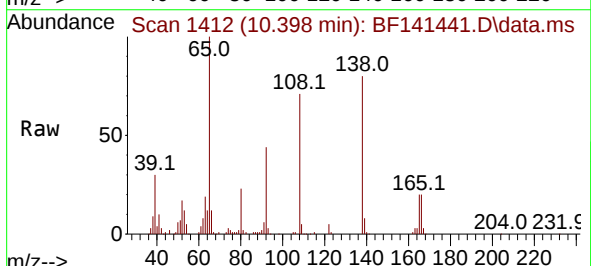
Manual Integrations

APPROVED

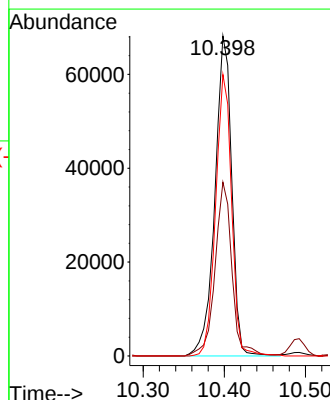
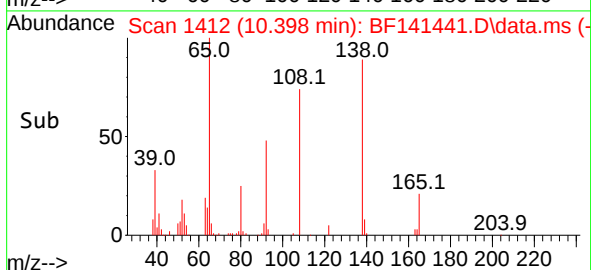
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

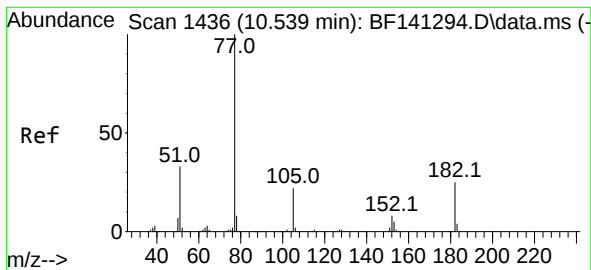


#62
4-Nitroaniline
Concen: 43.732 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



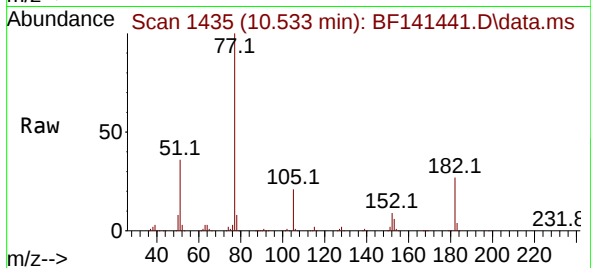
Tgt Ion:138 Resp: 98361
Ion Ratio Lower Upper
138 100
92 54.3 30.1 70.1
108 88.0 53.1 93.1





#63
Azobenzene
Concen: 43.226 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

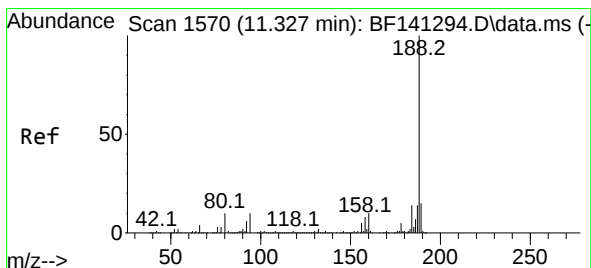
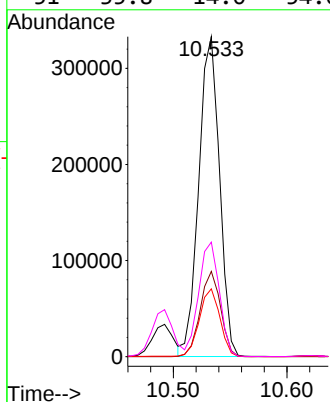
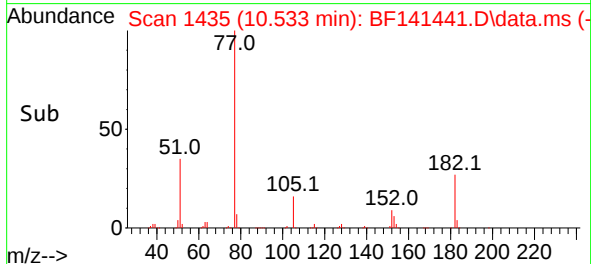
Instrument :
BNA_F
ClientSampleId :
PB166418BS



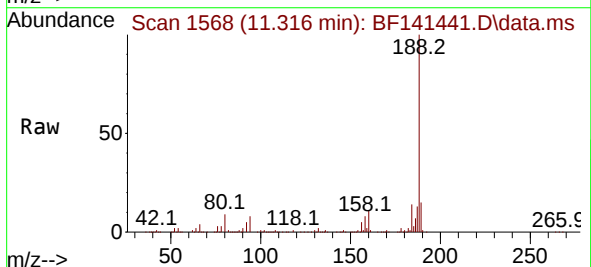
Tgt Ion: 77 Resp: 421750
Ion Ratio Lower Upper
77 100
182 26.6 5.1 45.1
105 21.2 1.8 41.8
51 35.8 14.0 54.0

Manual Integrations
APPROVED

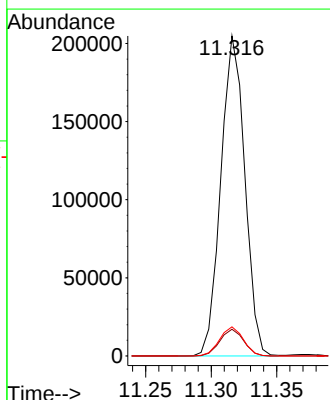
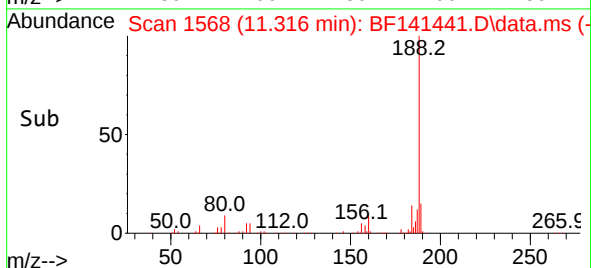
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

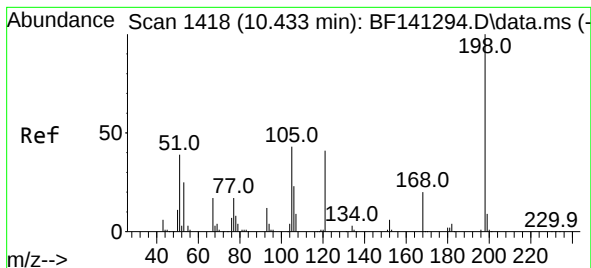


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



Tgt Ion:188 Resp: 260150
Ion Ratio Lower Upper
188 100
94 8.4 7.8 11.6
80 9.1 8.2 12.4





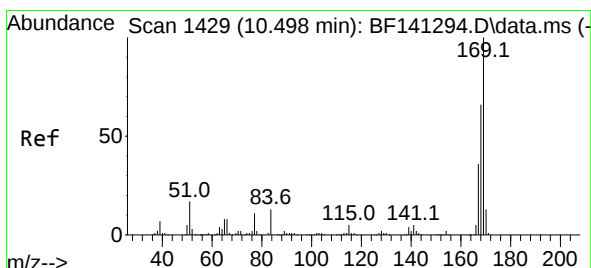
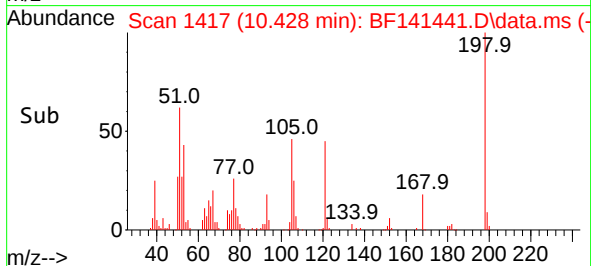
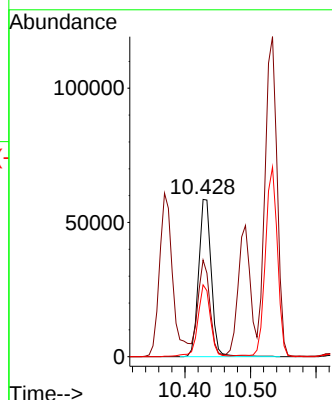
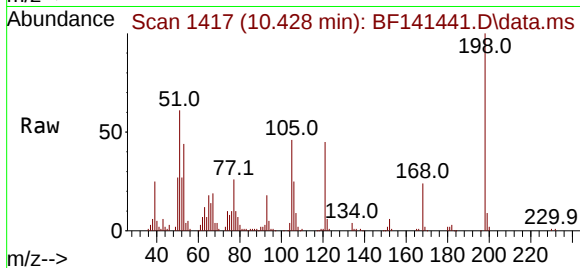
#65
4,6-Dinitro-2-methylphenol
Concen: 51.220 ng
RT: 10.428 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :
BNA_F
ClientSampleId :
PB166418BS

Tgt Ion:198 Resp: 7881
Ion Ratio Lower Upper
198 100
51 61.4 33.4 73.4
105 45.7 24.4 64.4

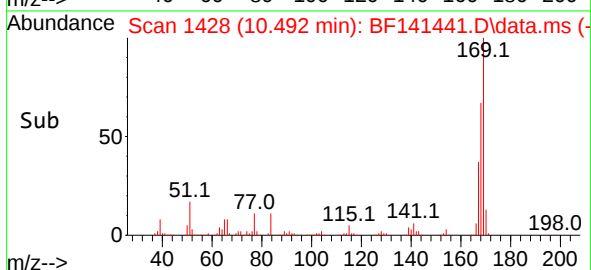
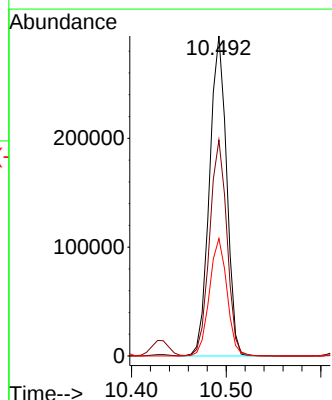
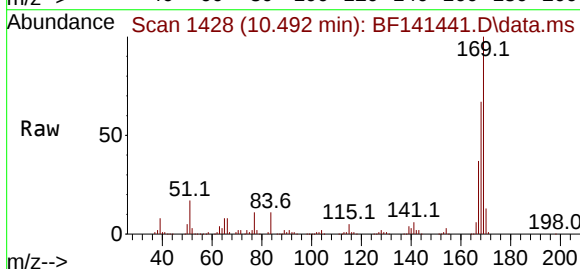
Manual Integrations
APPROVED

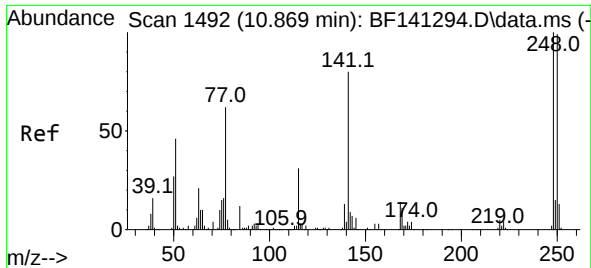
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#66
n-Nitrosodiphenylamine
Concen: 43.776 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

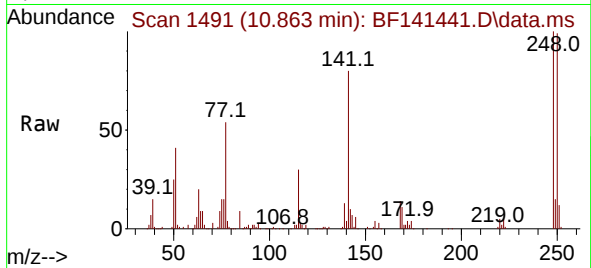
Tgt Ion:169 Resp: 368342
Ion Ratio Lower Upper
169 100
168 67.5 53.0 79.4
167 36.7 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 43.635 ng
RT: 10.863 min Scan# 1492
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

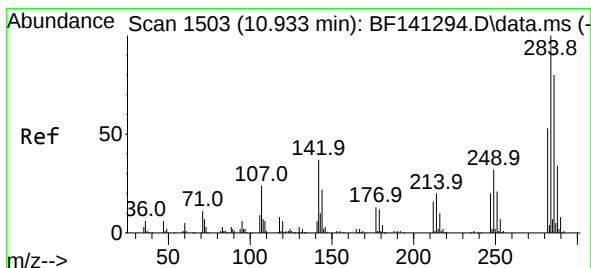
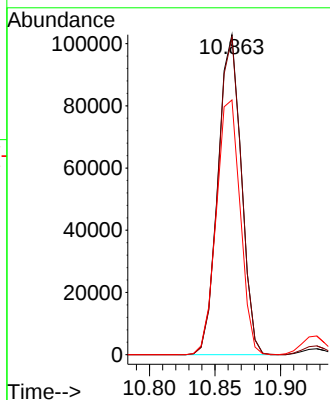
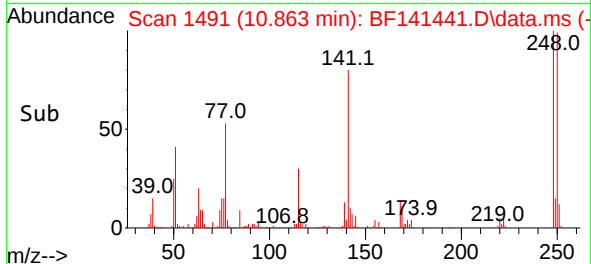
Instrument :
BNA_F
ClientSampleId :
PB166418BS



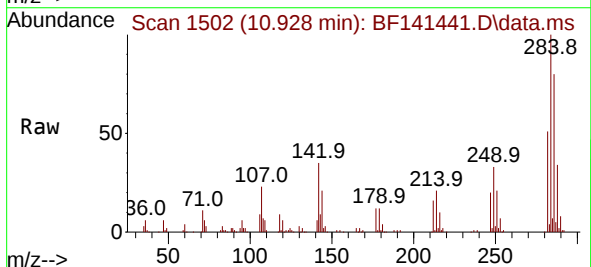
Tgt Ion:248 Resp: 127084
Ion Ratio Lower Upper
248 100
250 99.2 79.0 118.4
141 79.6 63.7 95.5

Manual Integrations
APPROVED

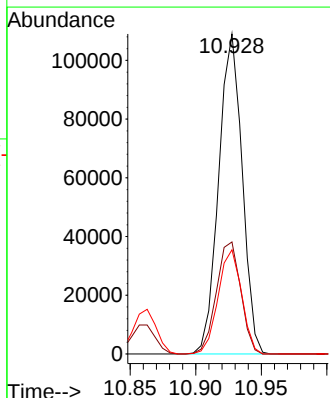
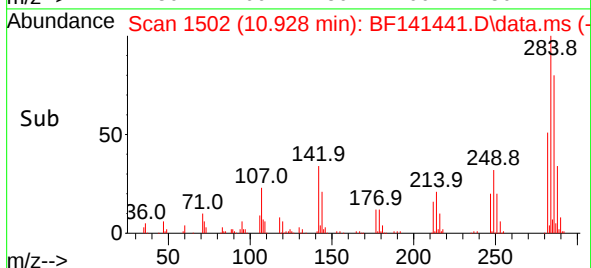
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

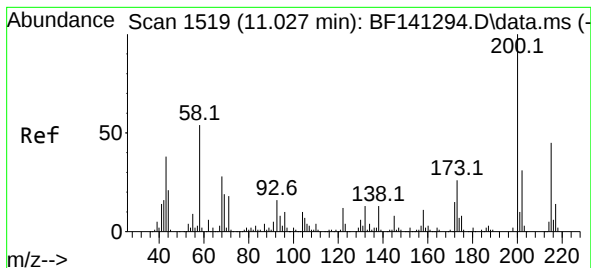


#68
Hexachlorobenzene
Concen: 43.921 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



Tgt Ion:284 Resp: 135690
Ion Ratio Lower Upper
284 100
142 35.0 29.5 44.3
249 32.5 25.4 38.2





#69

Atrazine

Concen: 51.878 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion:200 Resp: 145940

Ion Ratio Lower Upper

200 100

173 25.0 5.9 45.9

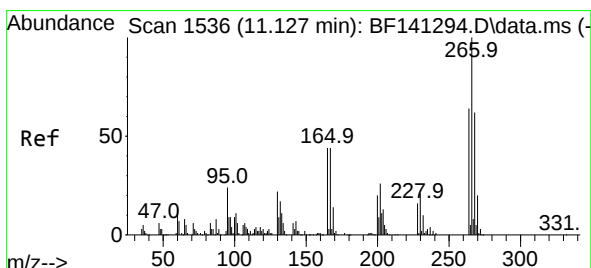
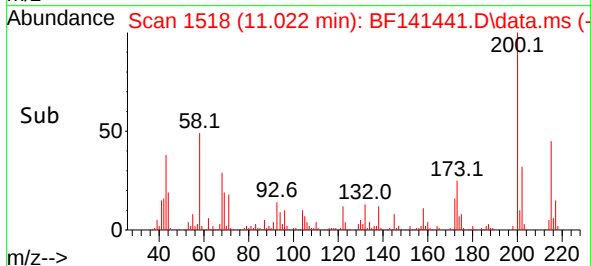
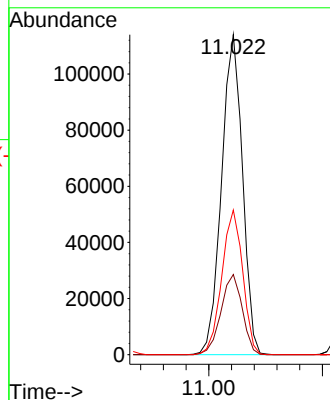
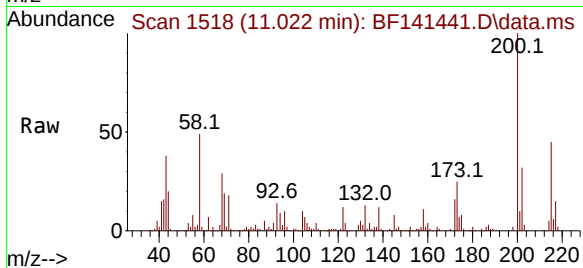
215 45.2 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#70

Pentachlorophenol

Concen: 93.804 ng

RT: 11.128 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

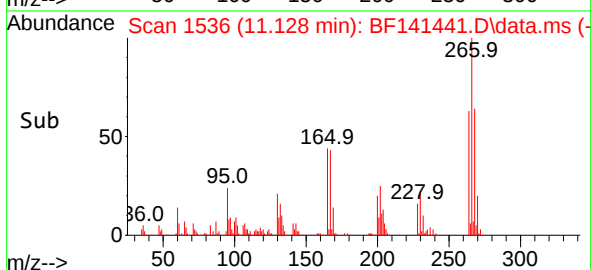
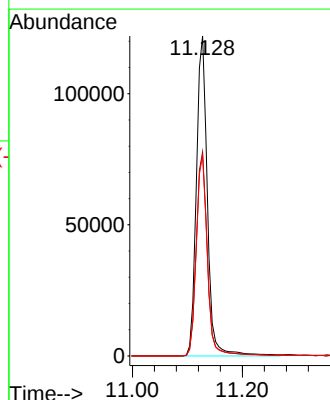
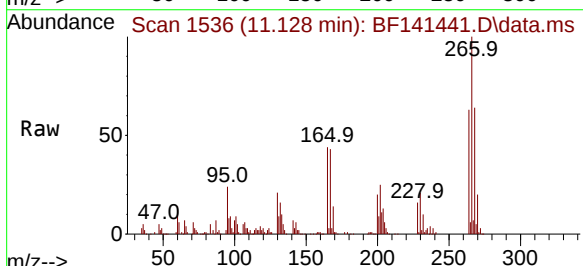
Tgt Ion:266 Resp: 169701

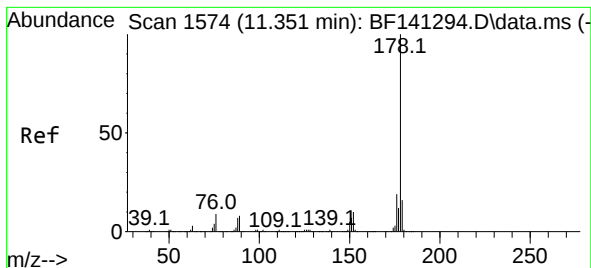
Ion Ratio Lower Upper

266 100

268 63.8 49.9 74.9

264 62.6 51.0 76.4





#71

Phenanthrene

Concen: 46.412 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion:178 Resp: 649030

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

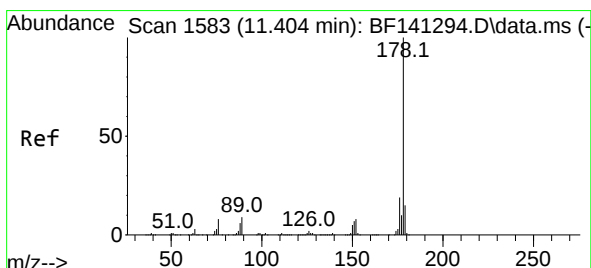
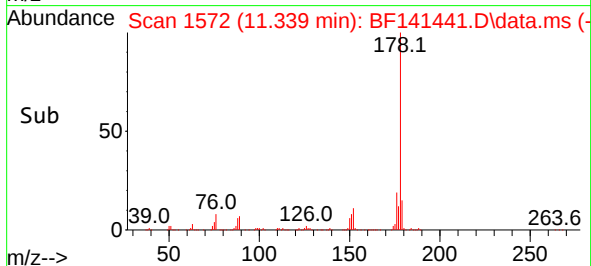
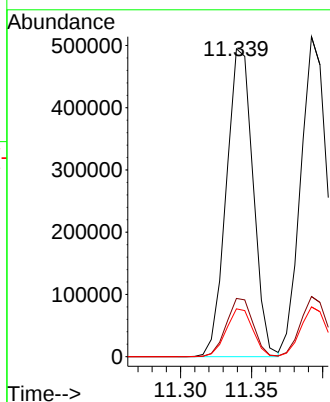
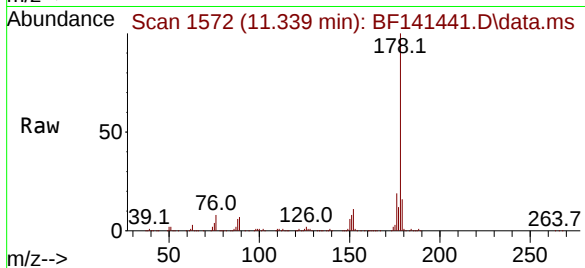
179 15.5 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#72

Anthracene

Concen: 48.054 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

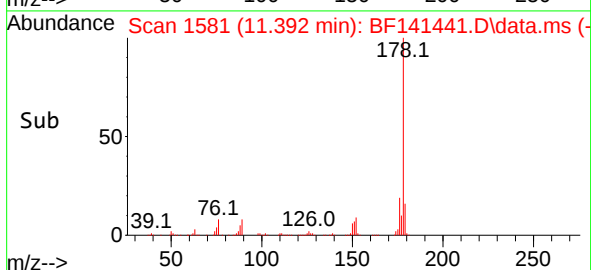
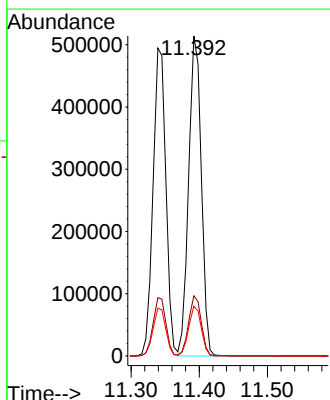
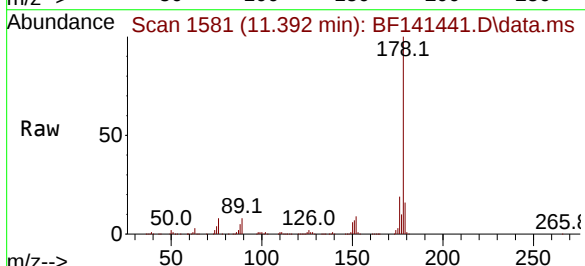
Tgt Ion:178 Resp: 658430

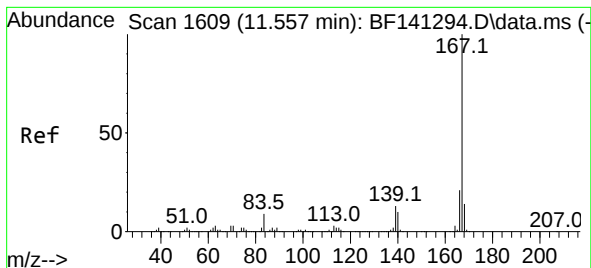
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 15.6 12.3 18.5





#73

Carbazole

Concen: 47.219 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BF141441.D

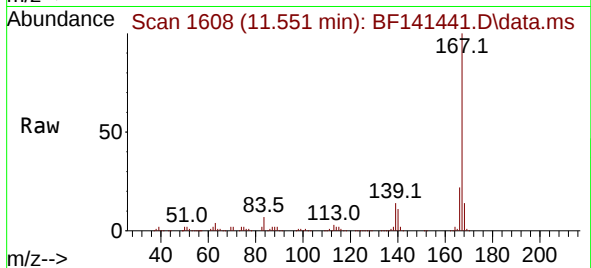
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS



Tgt Ion:167 Resp: 57370

Ion Ratio Lower Upper

167 100

166 21.9 17.0 25.6

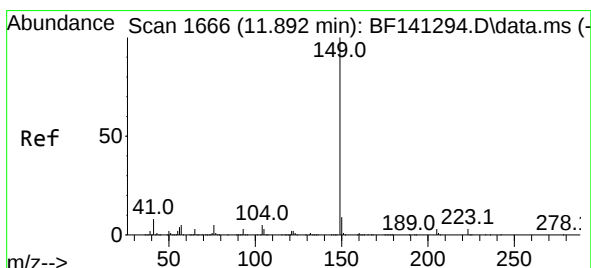
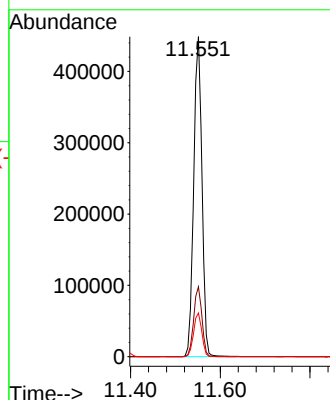
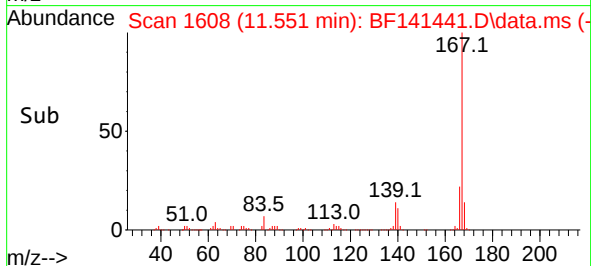
139 13.7 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#74

Di-n-butylphthalate

Concen: 46.089 ng

RT: 11.880 min Scan# 1664

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

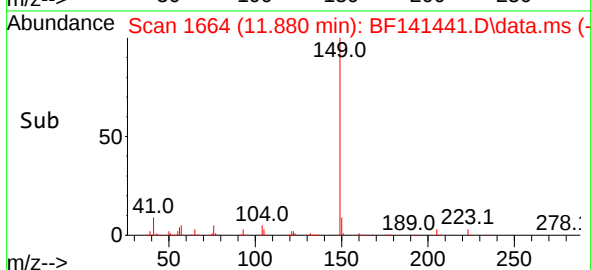
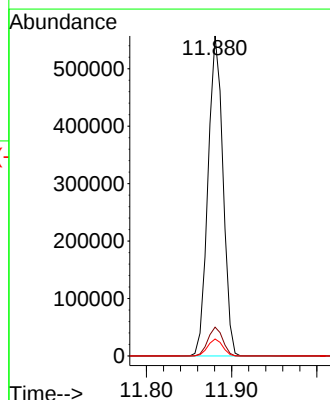
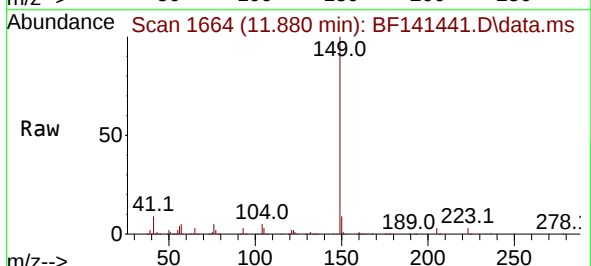
Tgt Ion:149 Resp: 678626

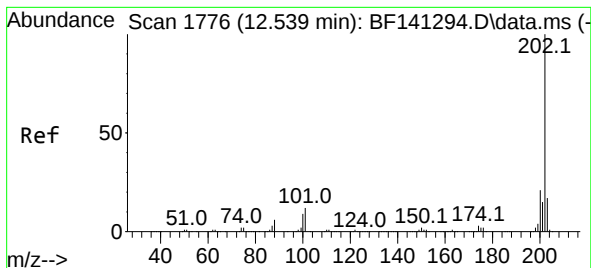
Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.2

104 5.3 3.9 5.9





#75

Fluoranthene

Concen: 49.069 ng

RT: 12.533 min Scan# 1775

Delta R.T. -0.006 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion:202 Resp: 67753

Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.7

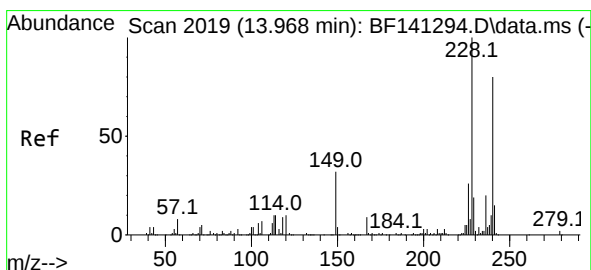
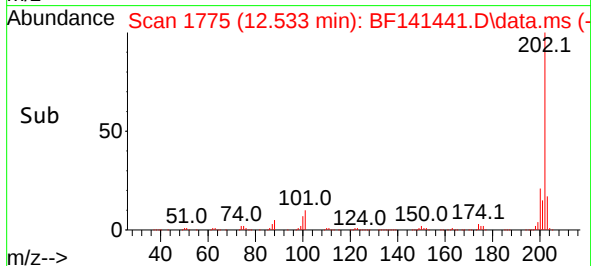
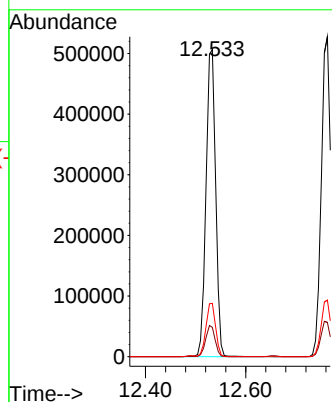
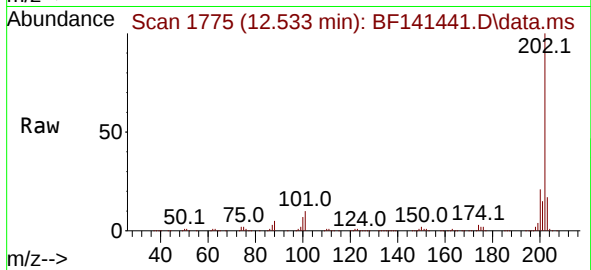
203 17.3 0.0 37.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

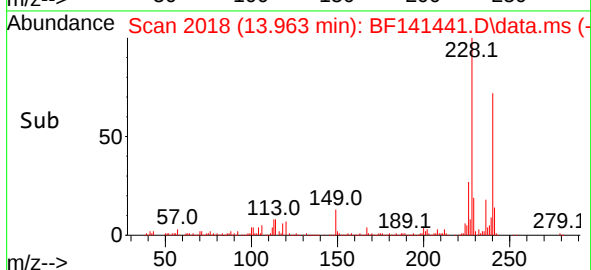
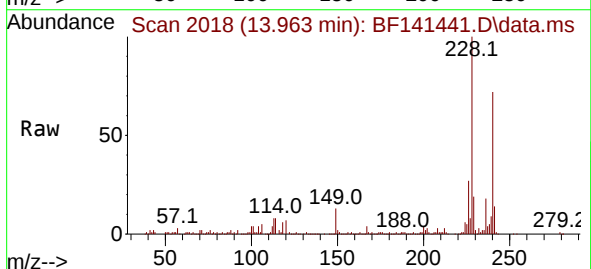
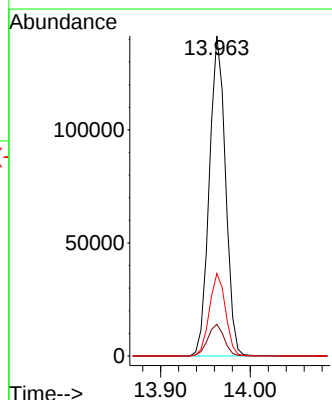
Tgt Ion:240 Resp: 177509

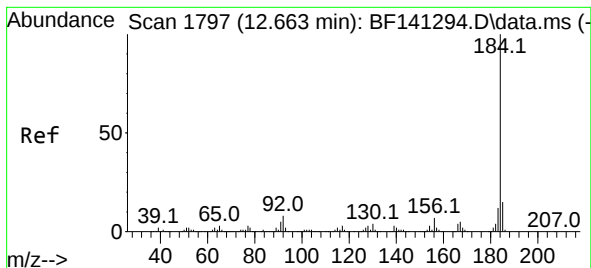
Ion Ratio Lower Upper

240 100

120 9.9 10.0 15.0#

236 25.7 19.7 29.5





#77

Benzidine

Concen: 45.887 ng

RT: 12.657 min Scan# 1796

Delta R.T. -0.006 min

Lab File: BF141441.D

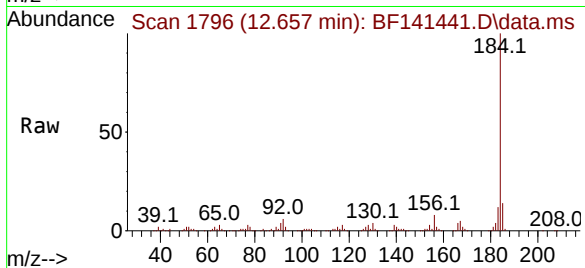
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS



Tgt Ion:184 Resp: 261130

Ion Ratio Lower Upper

184 100

185 13.8 11.9 17.9

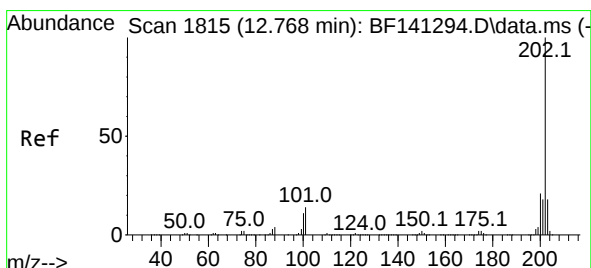
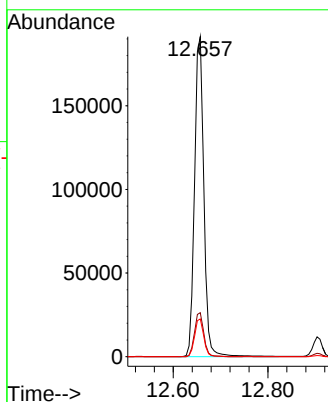
183 11.8 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#78

Pyrene

Concen: 40.702 ng

RT: 12.763 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

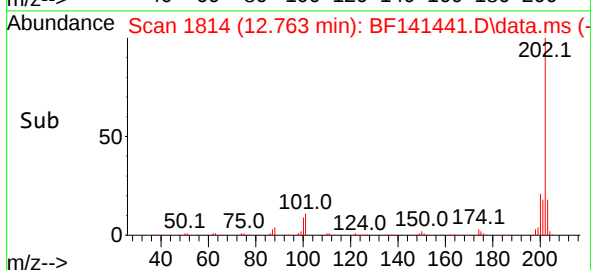
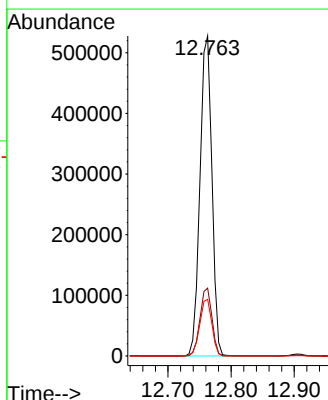
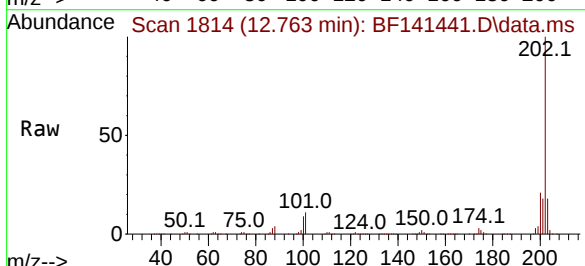
Tgt Ion:202 Resp: 693521

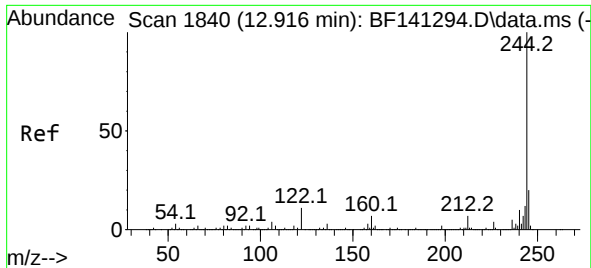
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

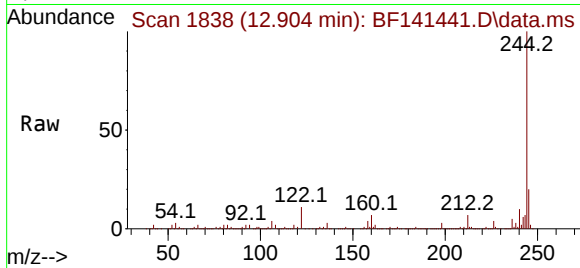
203 17.7 14.3 21.5





#79
 Terphenyl-d14
 Concen: 96.100 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF141441.D
 Acq: 05 Feb 2025 12:39

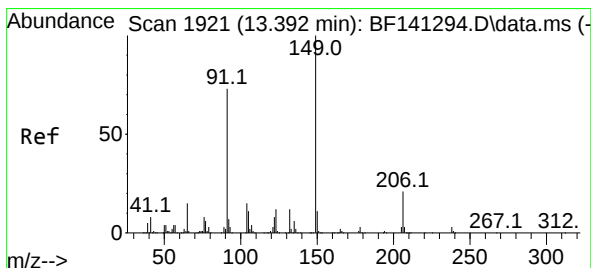
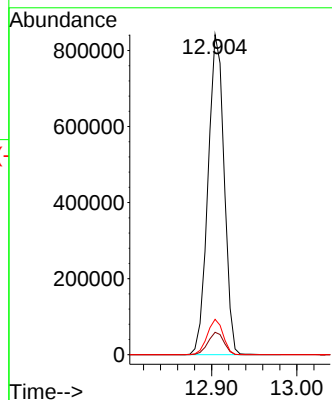
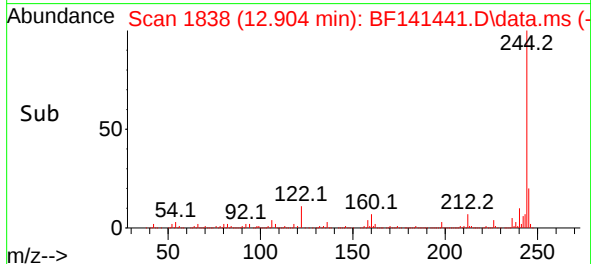
Instrument :
 BNA_F
 ClientSampleId :
 PB166418BS



Tgt Ion:244 Resp: 110613
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 11.1 8.8 13.2

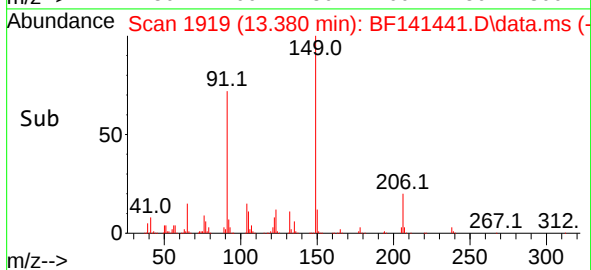
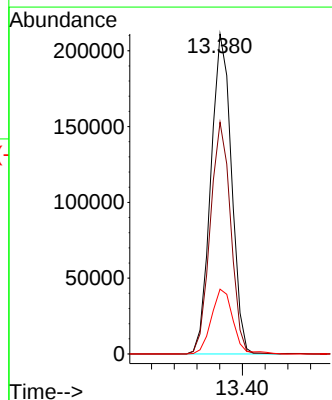
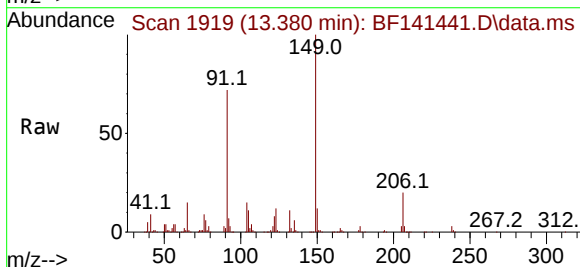
Manual Integrations
 APPROVED

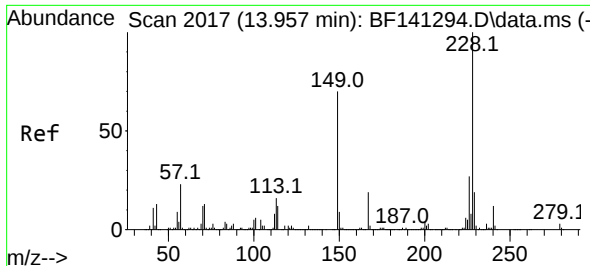
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#80
 Butylbenzylphthalate
 Concen: 44.766 ng
 RT: 13.380 min Scan# 1919
 Delta R.T. -0.012 min
 Lab File: BF141441.D
 Acq: 05 Feb 2025 12:39

Tgt Ion:149 Resp: 266479
 Ion Ratio Lower Upper
 149 100
 91 72.4 58.6 87.8
 206 20.2 16.7 25.1





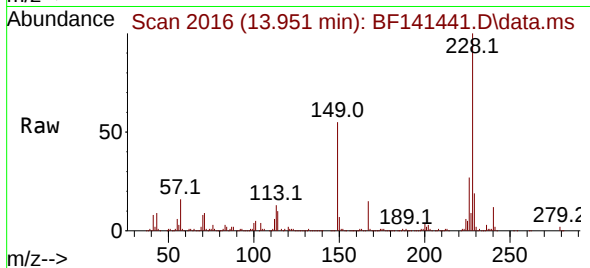
#81
Benzo(a)anthracene
Concen: 44.478 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

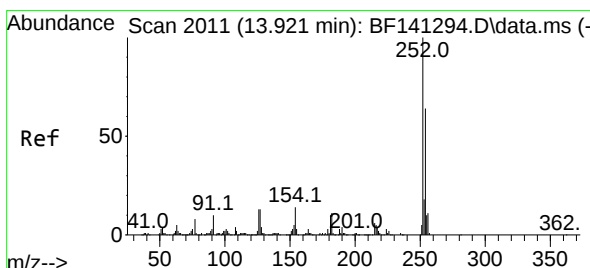
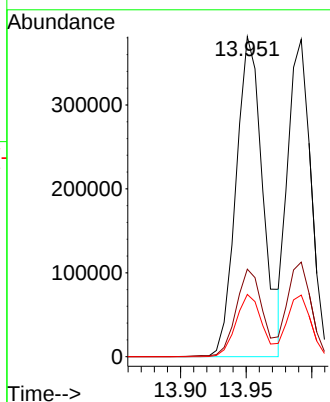
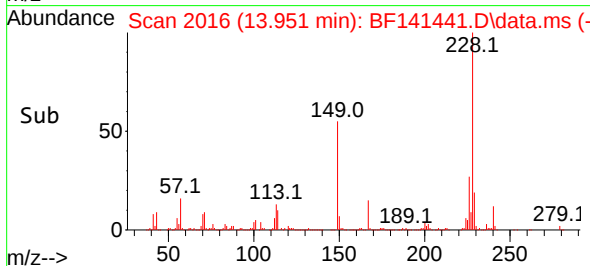
PB166418BS



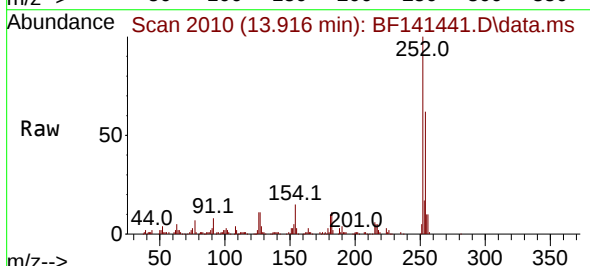
Tgt Ion:228 Resp: 54482
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.2
229 19.5 15.5 23.3

Manual Integrations
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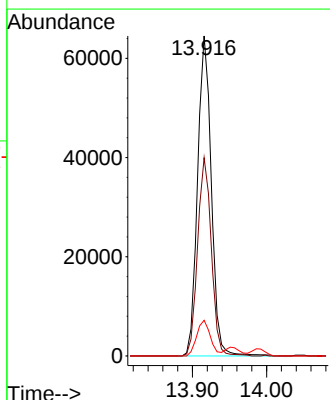
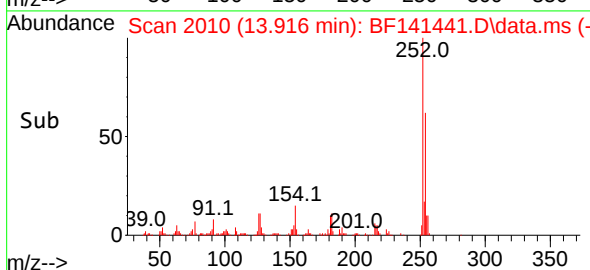
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

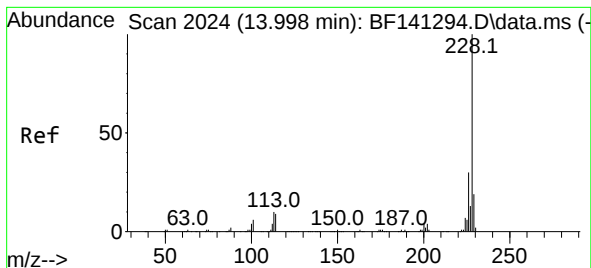


#82
3,3'-Dichlorobenzidine
Concen: 21.318 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



Tgt Ion:252 Resp: 83051
Ion Ratio Lower Upper
252 100
254 62.0 51.3 76.9
126 11.1 10.0 15.0





#83

Chrysene

Concen: 40.990 ng

RT: 13.992 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion:228 Resp: 460149

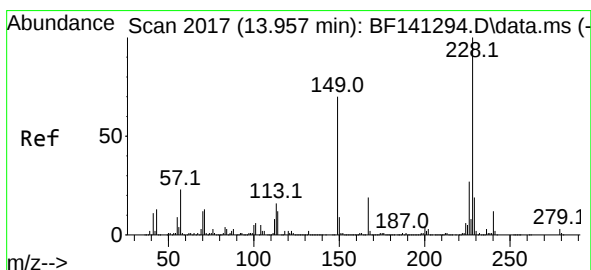
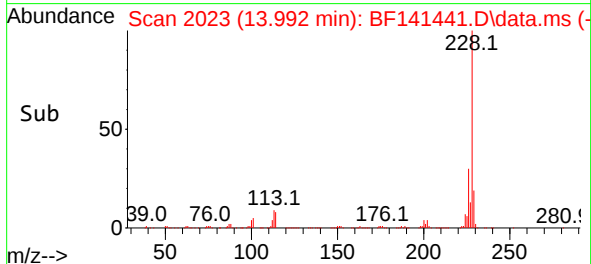
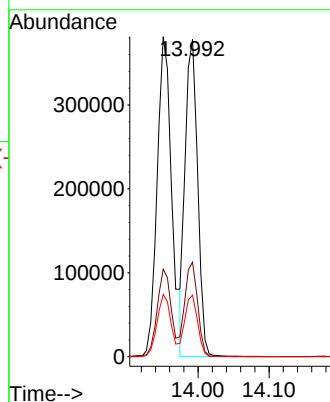
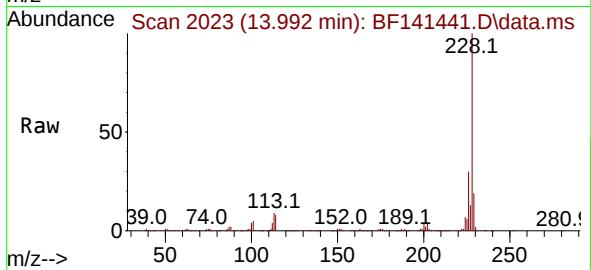
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	19.4	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.864 ng

RT: 13.945 min Scan# 2015

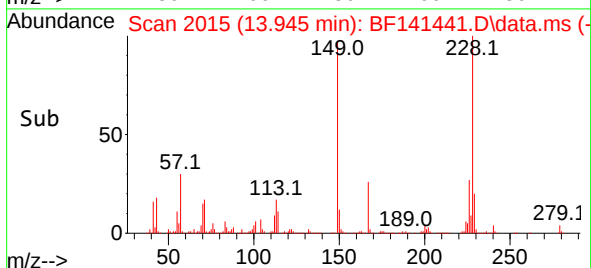
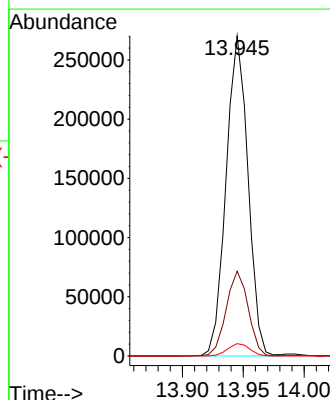
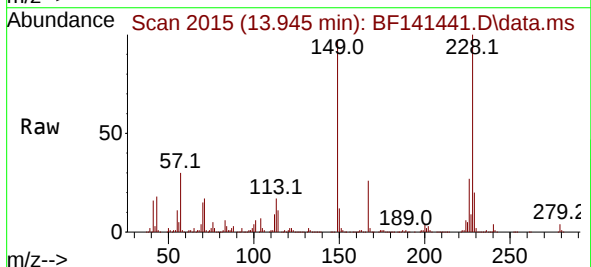
Delta R.T. -0.012 min

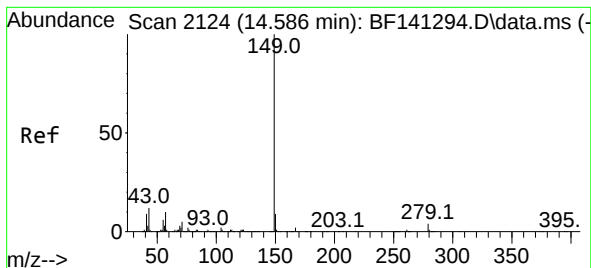
Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Tgt Ion:149 Resp: 338779

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.8	32.8
279	3.9	3.3	4.9





#85

Di-n-octyl phthalate

Concen: 41.422 ng

RT: 14.574 min Scan# 2124

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion:149 Resp: 485819

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

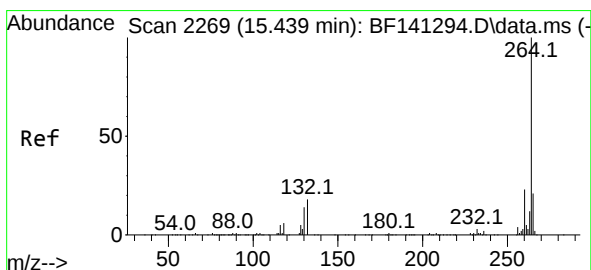
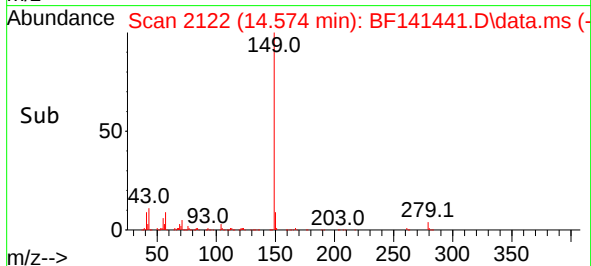
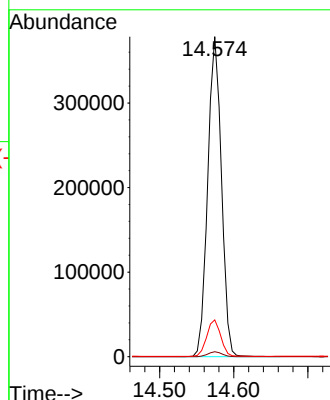
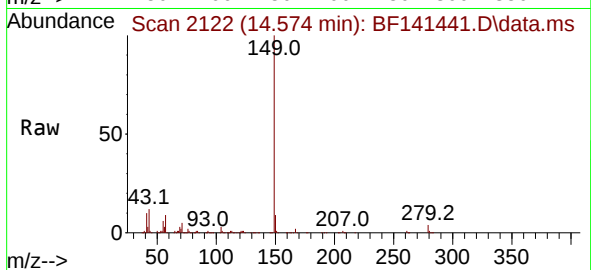
43 11.6 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 2267

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

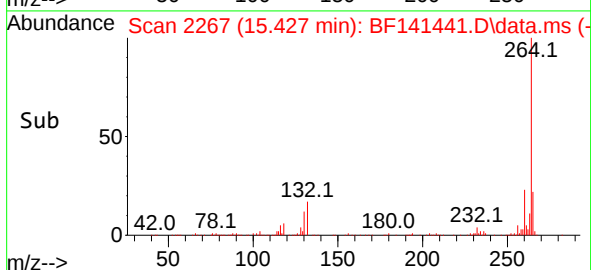
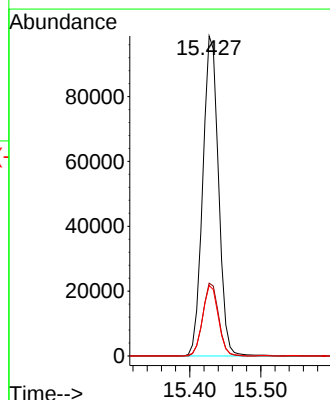
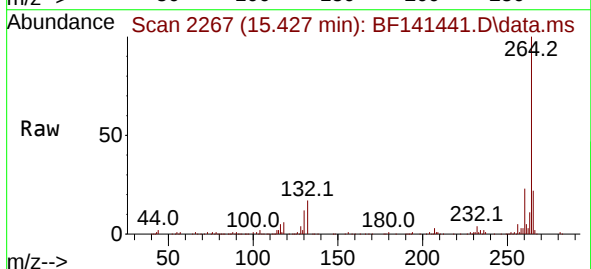
Tgt Ion:264 Resp: 152303

Ion Ratio Lower Upper

264 100

260 22.7 18.6 27.8

265 22.0 16.7 25.1





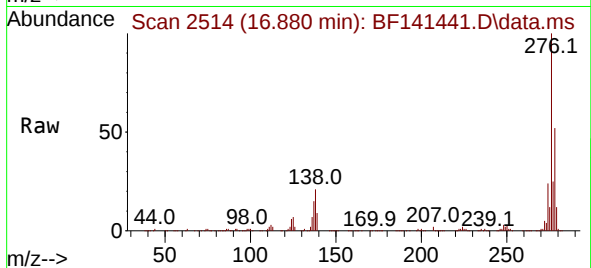
#87
Indeno(1,2,3-cd)pyrene
Concen: 46.023 ng
RT: 16.880 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

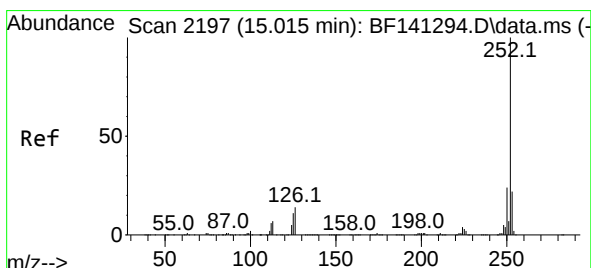
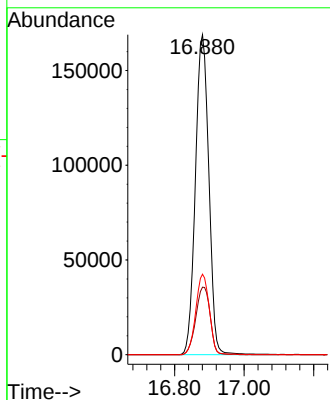
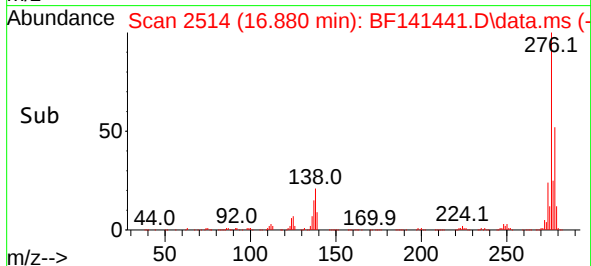


Tgt Ion:276 Resp: 45241
Ion Ratio Lower Upper
276 100
138 22.4 21.7 32.5
277 25.3 20.3 30.5

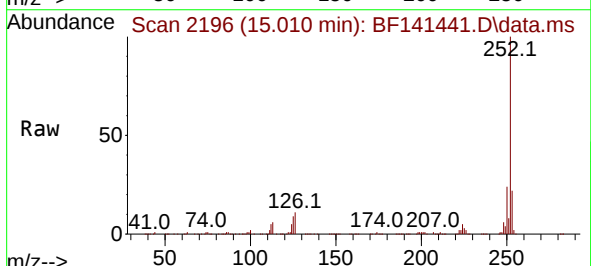
Manual Integrations

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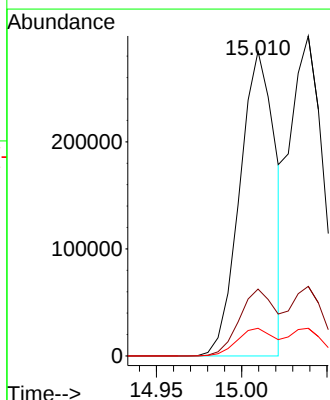
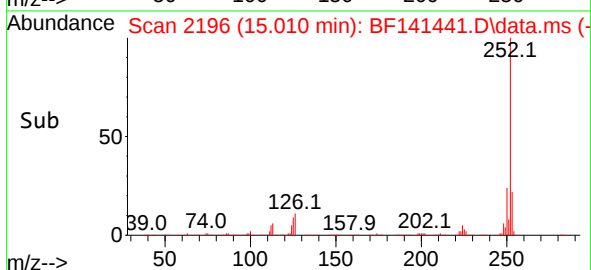
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#88
Benzo(b)fluoranthene
Concen: 42.892 ng
RT: 15.010 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



Tgt Ion:252 Resp: 410915
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 9.1 8.6 12.8





#89
Benzo(k)fluoranthene
Concen: 47.796 ng
RT: 15.039 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

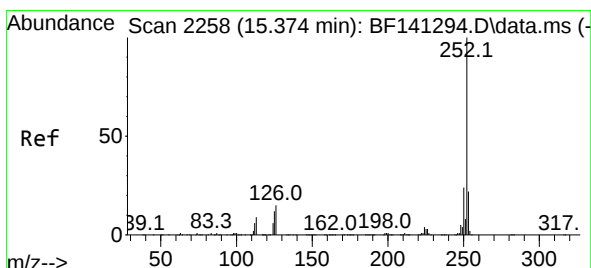
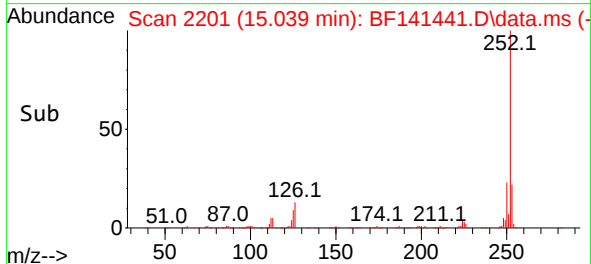
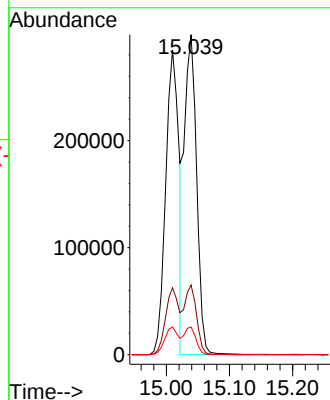
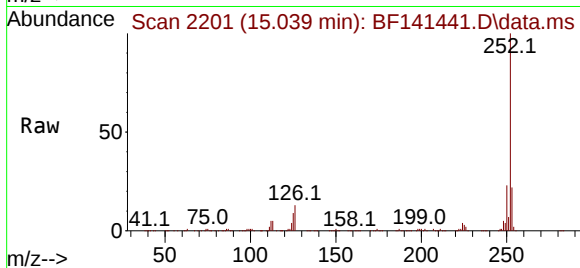
PB166418BS

Tgt Ion:252 Resp: 40564
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 8.7 8.4 12.6

Manual Integrations

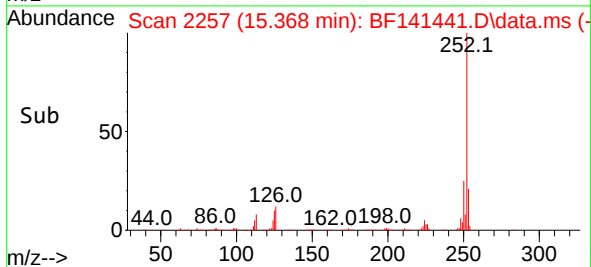
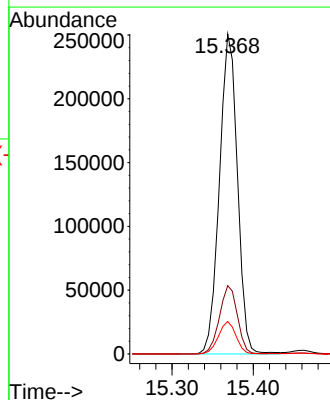
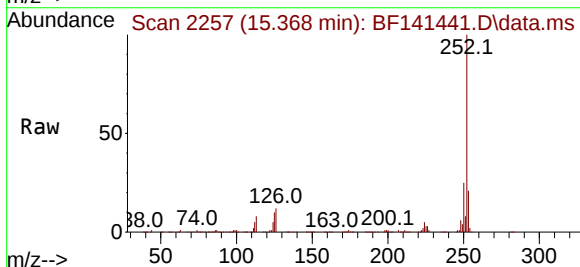
APPROVED

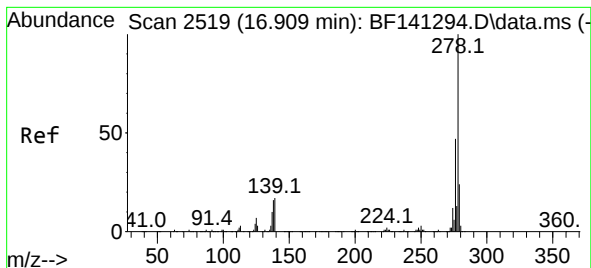
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#90
Benzo(a)pyrene
Concen: 47.846 ng
RT: 15.368 min Scan# 2257
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:252 Resp: 387351
Ion Ratio Lower Upper
252 100
253 21.4 17.2 25.8
125 10.1 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 46.150 ng

RT: 16.898 min Scan# 2519

Delta R.T. -0.024 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion:278 Resp: 36498

Ion Ratio Lower Upper

278 100

139 14.0 13.9 20.9

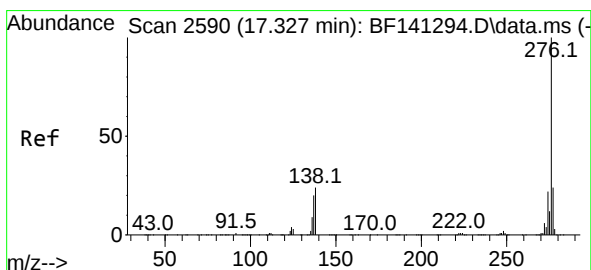
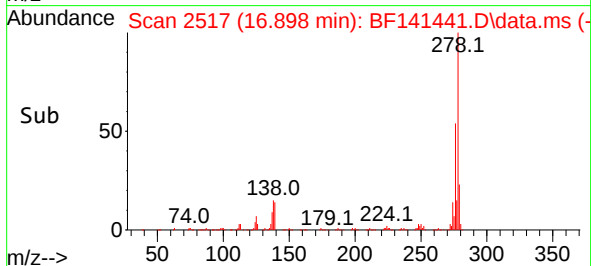
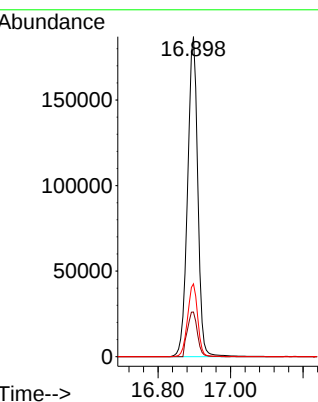
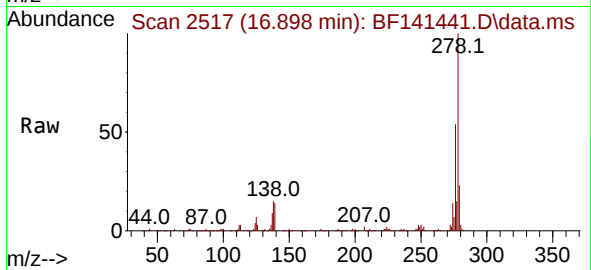
279 22.7 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#92

Benzo(g,h,i)perylene

Concen: 42.437 ng

RT: 17.315 min Scan# 2588

Delta R.T. -0.029 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Tgt Ion:276 Resp: 348975

Ion Ratio Lower Upper

276 100

277 23.8 19.2 28.8

138 19.3 19.0 28.4

