

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141443.D
 Acq On : 05 Feb 2025 13:31
 Operator : RC/JU
 Sample : PB166339BSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166339BSD

Manual Integrations
 APPROVED

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

Quant Time: Feb 05 14:26:26 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	70045	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	272862	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	147235	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	252391	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	168766	20.000	ng	#-0.01
86) Perylene-d12	15.427	264	154833	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	598208	131.111	ng	0.00
7) Phenol-d6	6.434	99	718440	123.779	ng	0.00
23) Nitrobenzene-d5	7.351	82	481799	93.083	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	203760	150.955	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	893097	93.364	ng	-0.01
79) Terphenyl-d14	12.904	244	1055500	96.452	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.552	88	74151	36.953	ng	97
3) Pyridine	3.275	79	186375	38.549	ng	96
4) n-Nitrosodimethylamine	3.222	42	137763	49.880	ng	84
6) Aniline	6.451	93	182325	37.109	ng	# 11
8) 2-Chlorophenol	6.581	128	233395	47.726	ng	95
9) Benzaldehyde	6.340	77	20938	6.228	ng	98
10) Phenol	6.446	94	269901	43.867	ng	# 68
11) bis(2-Chloroethyl)ether	6.528	93	208053	44.102	ng	98
12) 1,3-Dichlorobenzene	6.728	146	245484	45.527	ng	99
13) 1,4-Dichlorobenzene	6.810	146	249121	45.990	ng	100
14) 1,2-Dichlorobenzene	6.957	146	234274	46.187	ng	98
15) Benzyl Alcohol	6.934	79	203176	51.222	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.063	45	352997	43.030	ng	63
17) 2-Methylphenol	7.051	107	176532	44.416	ng	# 92
18) Hexachloroethane	7.298	117	93989	47.034	ng	98
19) n-Nitroso-di-n-propyla...	7.204	70	160722	46.601	ng	99
20) 3+4-Methylphenols	7.204	107	230779	47.290	ng	95
22) Acetophenone	7.198	105	324107	49.971	ng	99
24) Nitrobenzene	7.375	77	244028	45.494	ng	100
25) Isophorone	7.610	82	425288	47.533	ng	98
26) 2-Nitrophenol	7.687	139	120895	47.790	ng	91
27) 2,4-Dimethylphenol	7.734	122	176837m	54.920	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	253960	44.498	ng	98
29) 2,4-Dichlorophenol	7.940	162	189017	47.951	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	205082	45.556	ng	99
31) Naphthalene	8.092	128	665370	46.160	ng	100
32) Benzoic acid	7.857	122	136403	46.082	ng	95
33) 4-Chloroaniline	8.145	127	89922	18.396	ng	99
34) Hexachlorobutadiene	8.210	225	130656	49.491	ng	99
35) Caprolactam	8.510	113	59577m	46.278	ng	
36) 4-Chloro-3-methylphenol	8.639	107	207462	49.066	ng	97
37) 2-Methylnaphthalene	8.787	142	433820	47.352	ng	100
38) 1-Methylnaphthalene	8.887	142	406864	45.209	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	203516	48.587	ng	98
41) Hexachlorocyclopentadiene	8.939	237	230786	186.564	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	132009	48.150	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	139507	46.752	ng	97
46) 1,1'-Biphenyl	9.251	154	537519	46.812	ng	98
47) 2-Chloronaphthalene	9.275	162	408115	45.599	ng	99
48) 2-Nitroaniline	9.375	65	139818	49.666	ng	98
49) Acenaphthylene	9.692	152	626340	49.994	ng	100
50) Dimethylphthalate	9.557	163	483574	48.629	ng	100
51) 2,6-Dinitrotoluene	9.616	165	107574	46.591	ng	96
52) Acenaphthene	9.863	154	486518m	54.358	ng	
53) 3-Nitroaniline	9.786	138	60739	26.840	ng	99
54) 2,4-Dinitrophenol	9.898	184	121360	113.070	ng	91
55) Dibenzofuran	10.034	168	581677	48.552	ng	96
56) 4-Nitrophenol	9.963	139	169841	102.622	ng	88
57) 2,4-Dinitrotoluene	10.022	165	149593	50.041	ng	93
58) Fluorene	10.381	166	459804	49.478	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.157	232	125437	53.434	ng	97
60) Diethylphthalate	10.257	149	474765	49.239	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	223335	49.199	ng	95
62) 4-Nitroaniline	10.398	138	106731	47.972	ng	87
63) Azobenzene	10.533	77	462094	47.878	ng	97
65) 4,6-Dinitro-2-methylph...	10.433	198	85087	56.995	ng	98
66) n-Nitrosodiphenylamine	10.492	169	405060	49.620	ng	100
67) 4-Bromophenyl-phenylether	10.863	248	138180	48.903	ng	98
68) Hexachlorobenzene	10.928	284	146924	49.019	ng	99
69) Atrazine	11.022	200	142247	52.117	ng	99
70) Pentachlorophenol	11.128	266	178140	101.496	ng	99
71) Phenanthrene	11.345	178	703261	51.836	ng	100
72) Anthracene	11.392	178	718705	54.065	ng	99
73) Carbazole	11.551	167	626248	53.128	ng	99
74) Di-n-butylphthalate	11.880	149	734688	51.430	ng	99
75) Fluoranthene	12.533	202	740295	55.263	ng	98
77) Benzidine	12.651	184	152405	28.169	ng	99
78) Pyrene	12.763	202	752575	46.455	ng	100
80) Butylbenzylphthalate	13.380	149	285734	50.487	ng	99
81) Benzo(a)anthracene	13.951	228	549332	47.170	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	87185	23.538	ng	99
83) Chrysene	13.992	228	525550	49.241	ng	99
84) Bis(2-ethylhexyl)phtha...	13.945	149	359351	50.053	ng	99
85) Di-n-octyl phthalate	14.574	149	539172	48.352	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	507144	50.748	ng	95
88) Benzo(b)fluoranthene	15.010	252	452259	46.436	ng	98
89) Benzo(k)fluoranthene	15.039	252	454887	52.723	ng	98
90) Benzo(a)pyrene	15.368	252	436814	53.074	ng	98
91) Dibenzo(a,h)anthracene	16.898	278	403526	50.190	ng	97
92) Benzo(g,h,i)perylene	17.315	276	376155	44.995	ng	94

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

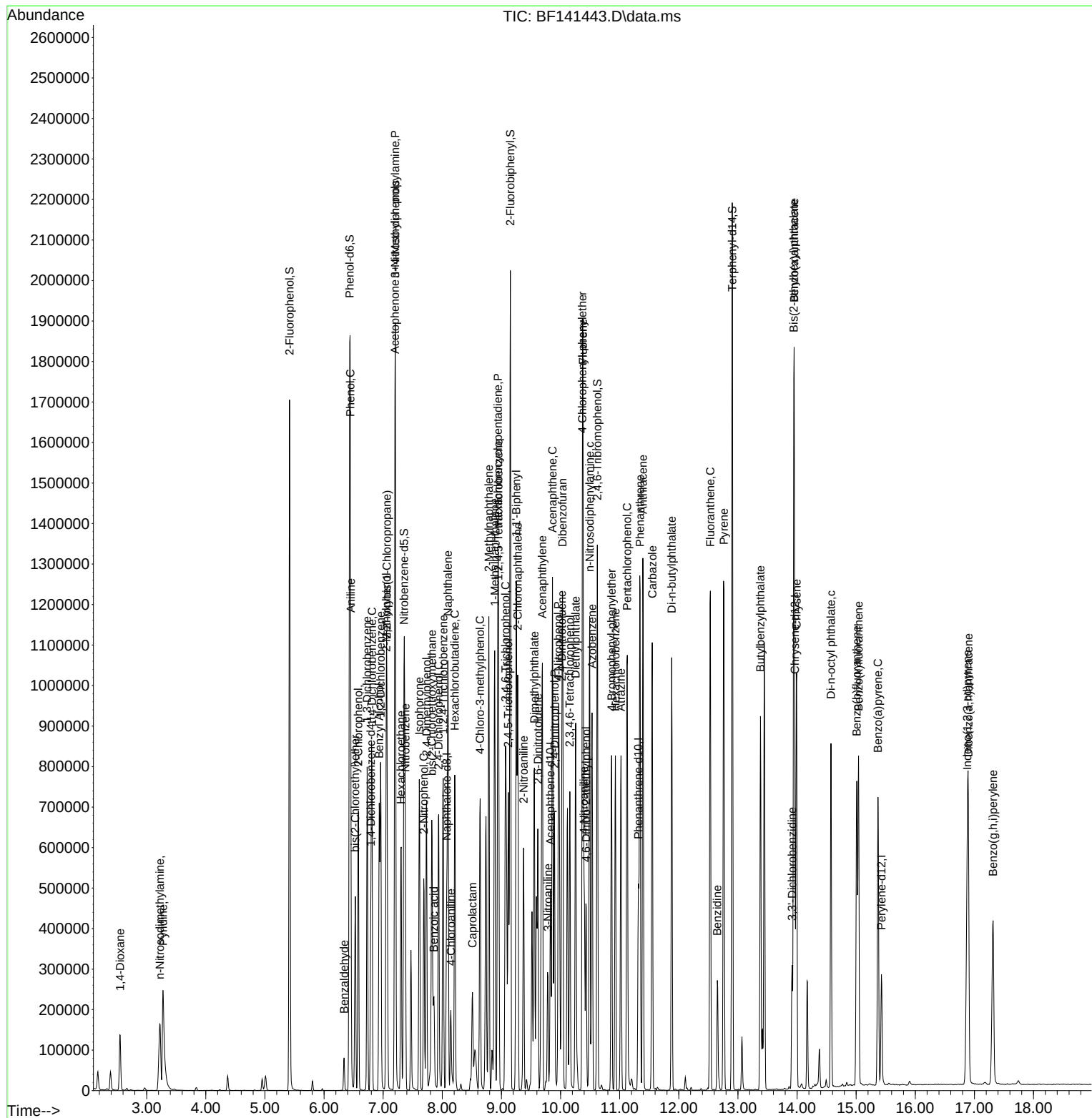
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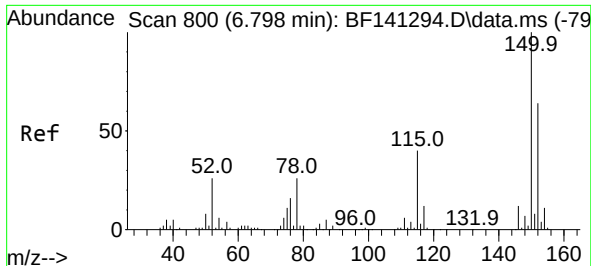
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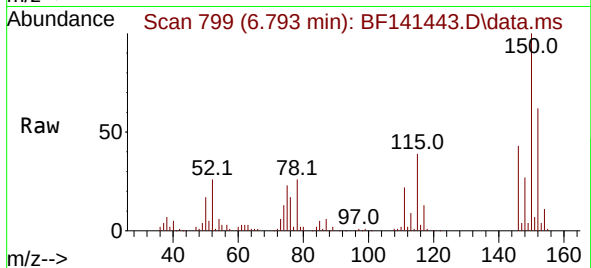
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 70
Delta R.T. -0.011 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

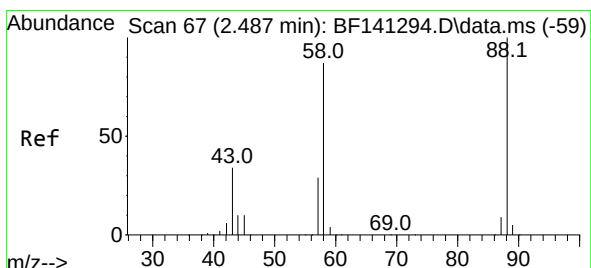
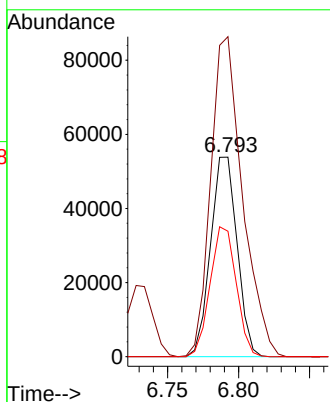
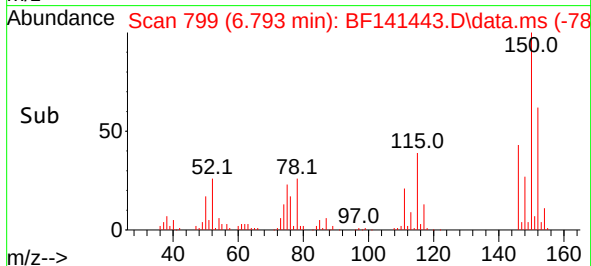
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



Tgt Ion:152 Resp: 70045
Ion Ratio Lower Upper
152 100
150 160.4 125.9 188.9
115 62.9 49.7 74.5

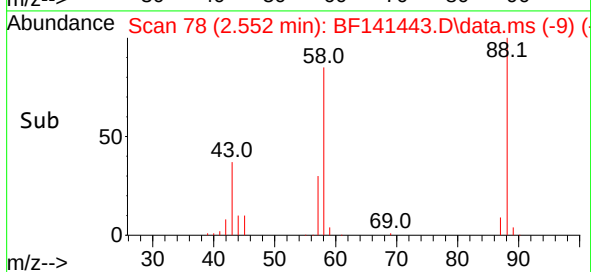
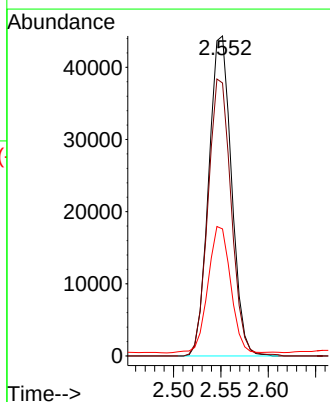
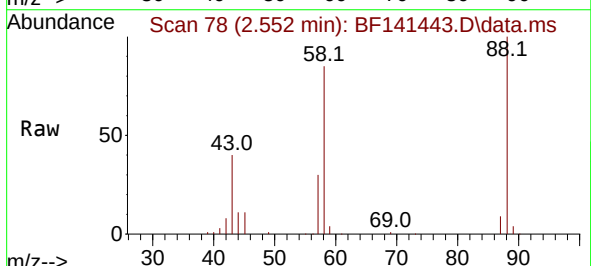
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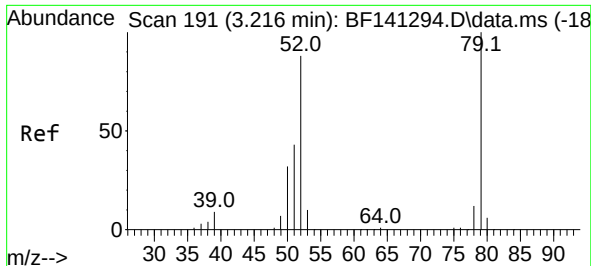
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#2
1,4-Dioxane
Concen: 36.953 ng
RT: 2.552 min Scan# 78
Delta R.T. 0.059 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

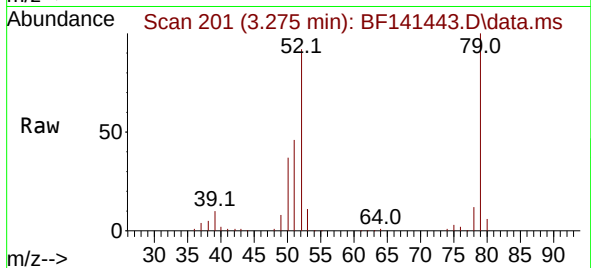
Tgt Ion: 88 Resp: 74151
Ion Ratio Lower Upper
88 100
58 88.1 70.2 105.4
43 39.2 27.6 41.4





#3
Pyridine
Concen: 38.549 ng
RT: 3.275 min Scan# 201
Delta R.T. 0.047 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

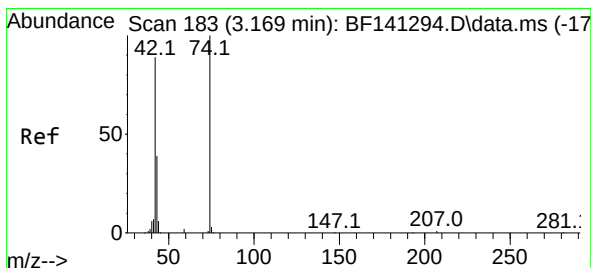
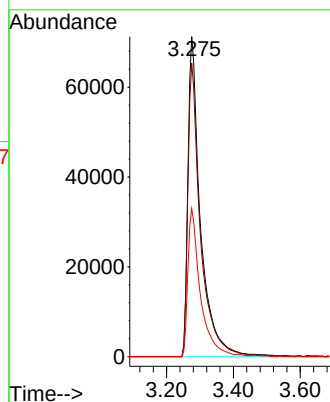
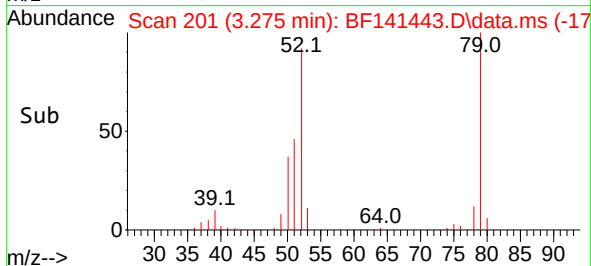
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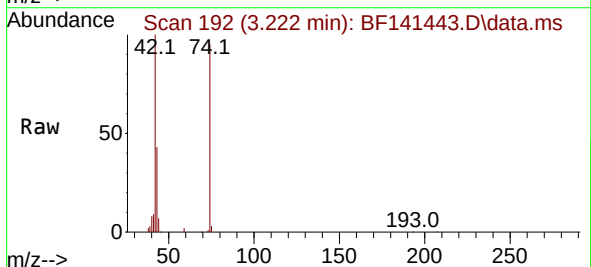
Tgt Ion: 79 Resp: 186379
Ion Ratio Lower Upper
79 100
52 91.7 70.3 105.5
51 46.3 34.3 51.5

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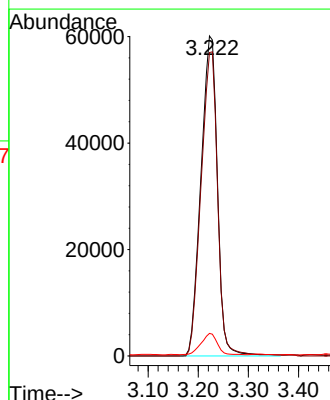
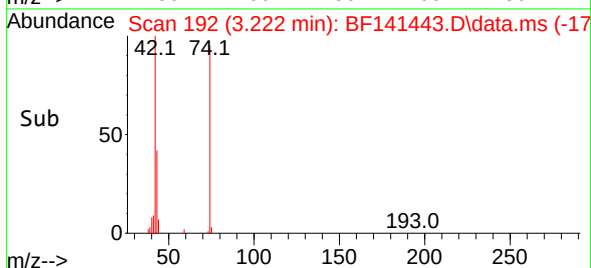
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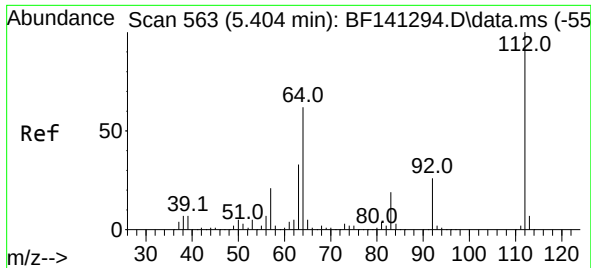


#4
n-Nitrosodimethylamine
Concen: 49.880 ng
RT: 3.222 min Scan# 192
Delta R.T. 0.023 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



Tgt Ion: 42 Resp: 137763
Ion Ratio Lower Upper
42 100
74 94.8 90.3 135.5
44 7.1 5.7 8.5





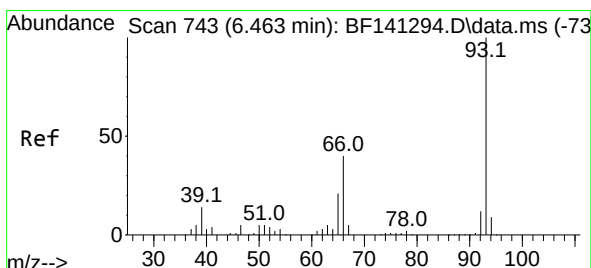
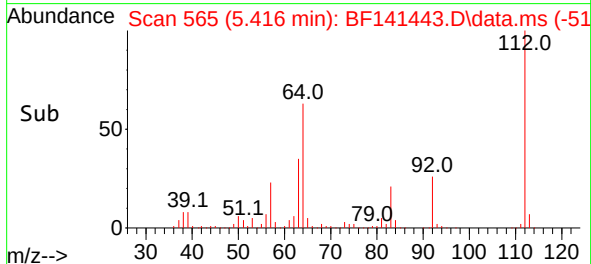
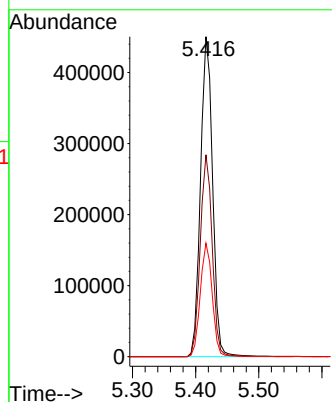
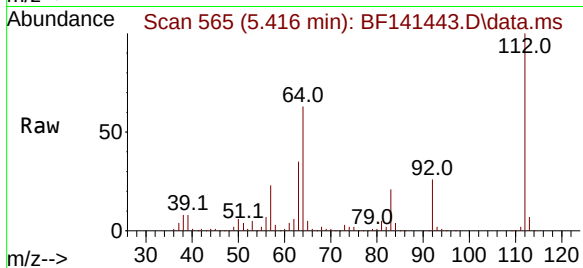
#5
2-Fluorophenol
Concen: 131.111 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

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ClientSampleId :
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Tgt Ion:112 Resp: 598208
Ion Ratio Lower Upper
112 100
64 63.1 49.8 74.8
63 35.5 26.1 39.1

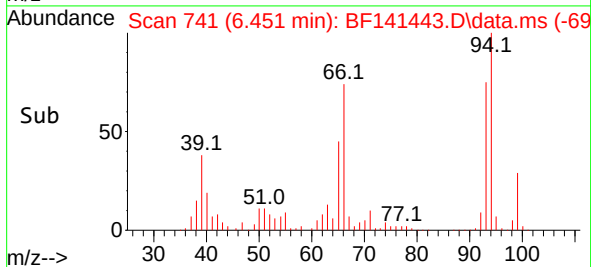
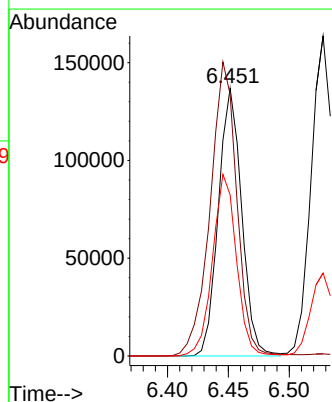
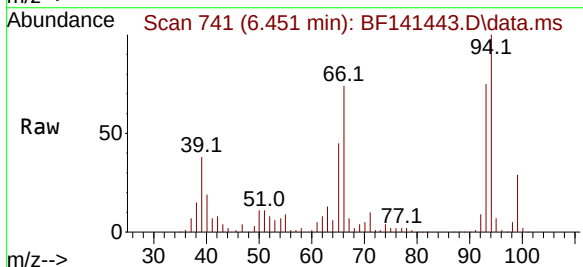
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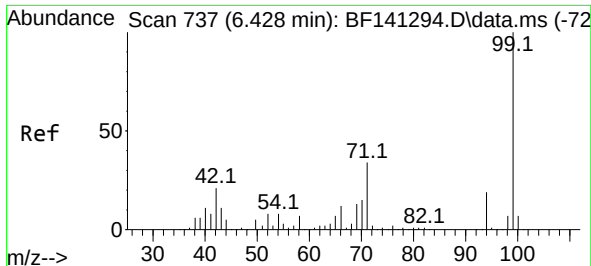
Reviewed By :Yogesh Patel 02/06/2025
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#6
Aniline
Concen: 37.109 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141443.D
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Tgt Ion: 93 Resp: 182325
Ion Ratio Lower Upper
93 100
66 97.8 32.5 48.7#
65 60.2 17.0 25.6#





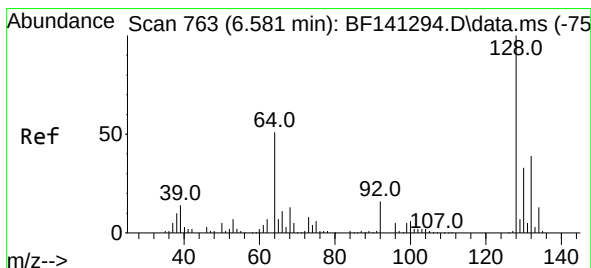
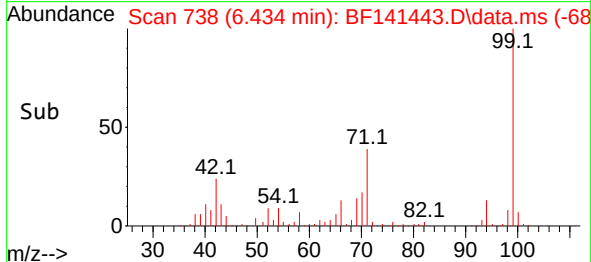
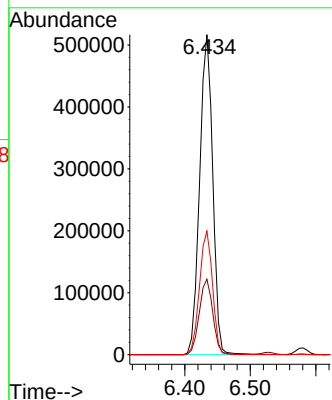
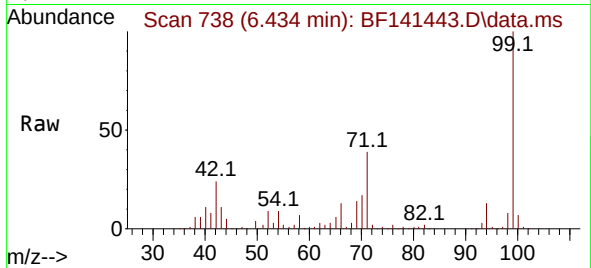
#7
Phenol-d6
Concen: 123.779 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

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Tgt Ion: 99 Resp: 718440
Ion Ratio Lower Upper
99 100
42 23.6 17.1 25.7
71 38.6 26.9 40.3

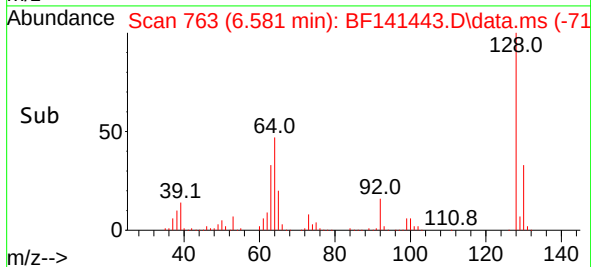
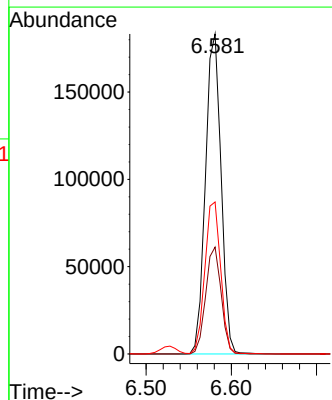
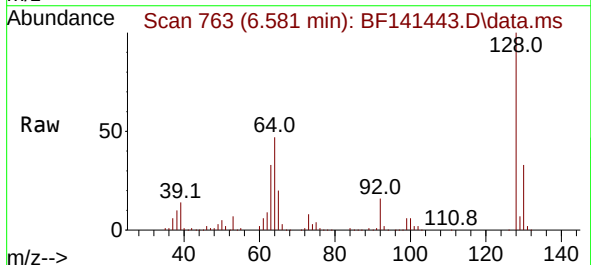
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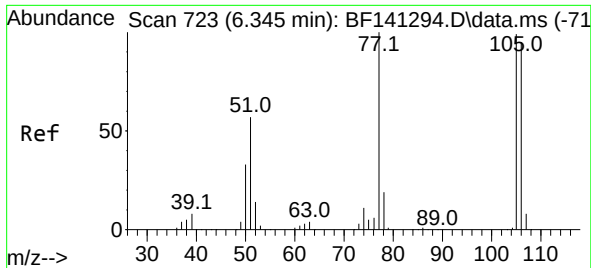
Reviewed By :Yogesh Patel 02/06/2025
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#8
2-Chlorophenol
Concen: 47.726 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

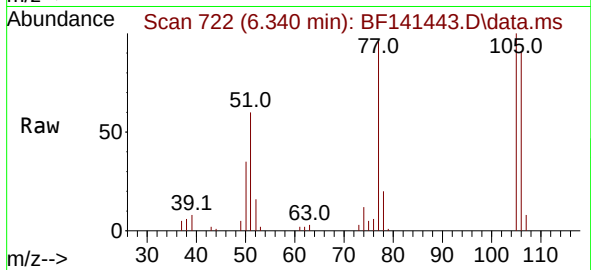
Tgt Ion:128 Resp: 233395
Ion Ratio Lower Upper
128 100
130 33.4 12.5 52.5
64 47.5 32.9 72.9





#9
Benzaldehyde
Concen: 6.228 ng
RT: 6.340 min Scan# 71
Delta R.T. -0.012 min
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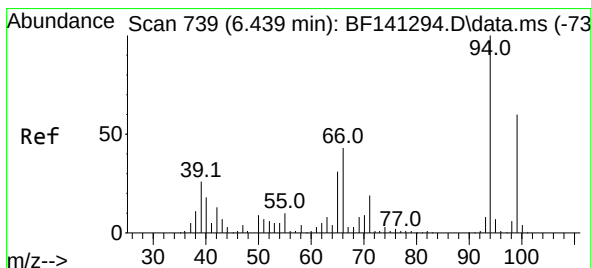
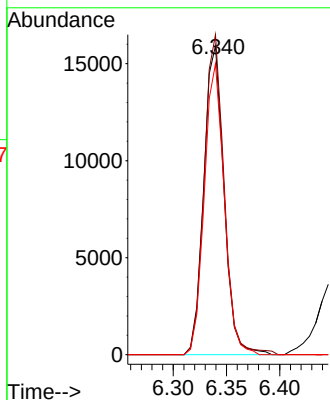
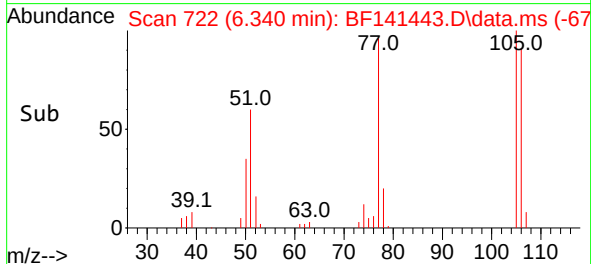
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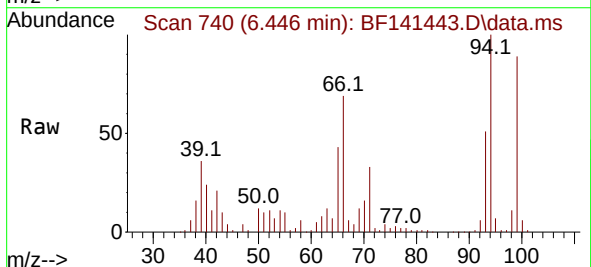
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Ion Ratio Lower Upper
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105 103.6 79.4 119.4
106 94.2 74.6 114.6

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APPROVED

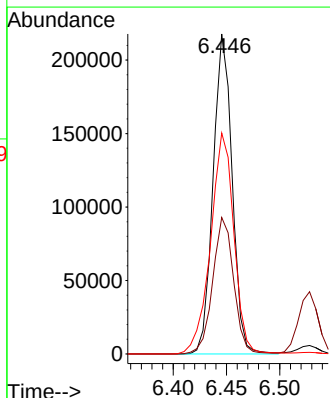
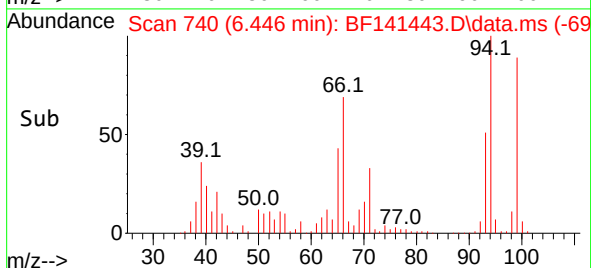
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

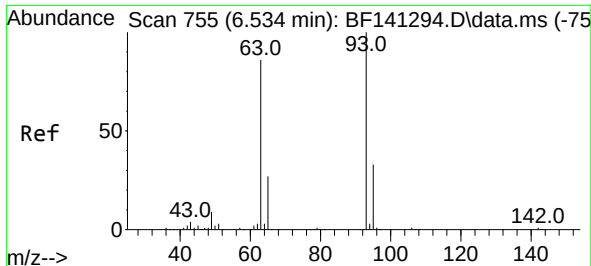


#10
Phenol
Concen: 43.867 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



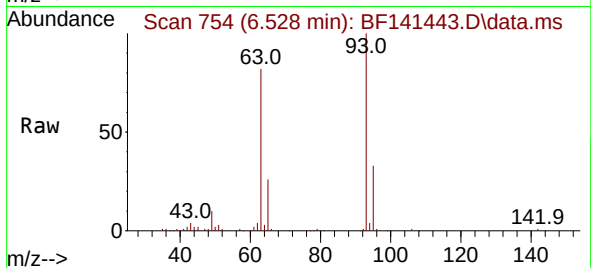
Tgt Ion: 94 Resp: 269901
Ion Ratio Lower Upper
94 100
65 42.7 10.8 50.8
66 69.1 23.3 63.3#





#11
bis(2-Chloroethyl)ether
Concen: 44.102 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

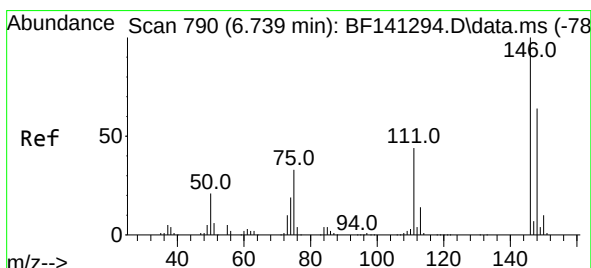
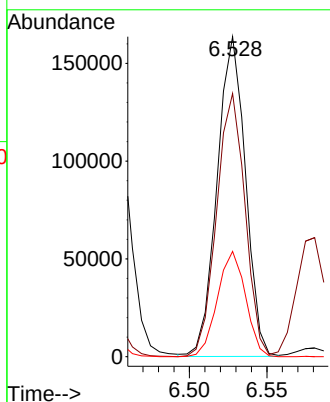
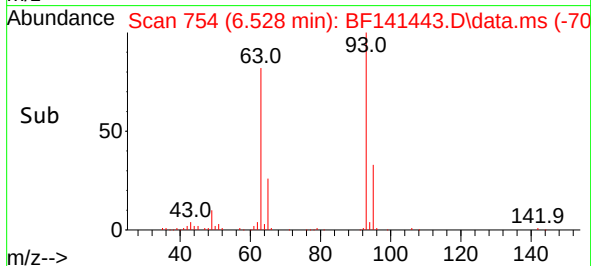
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



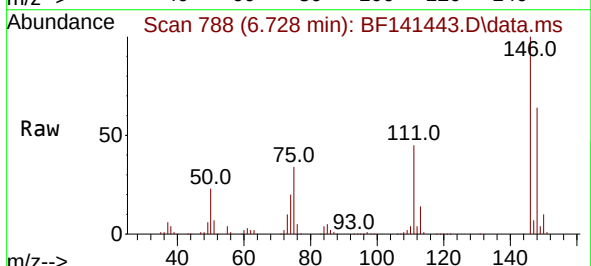
Tgt Ion: 93 Resp: 20805
Ion Ratio Lower Upper
93 100
63 82.2 65.0 105.0
95 32.9 12.4 52.4

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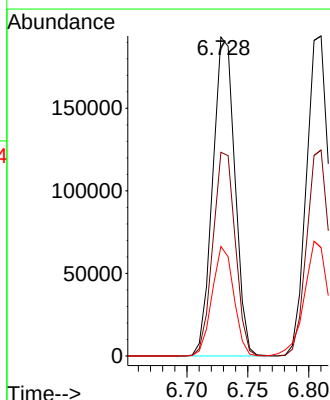
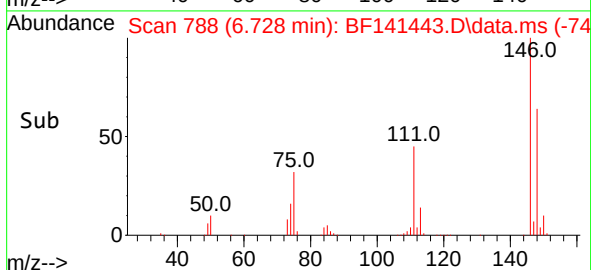
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

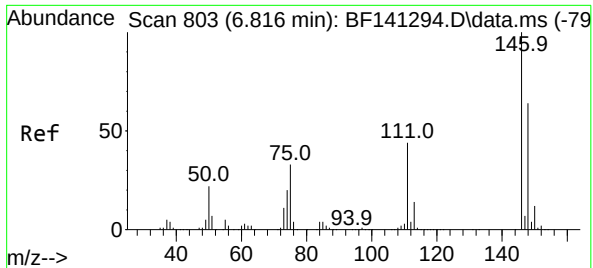


#12
1,3-Dichlorobenzene
Concen: 45.527 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



Tgt Ion:146 Resp: 245484
Ion Ratio Lower Upper
146 100
148 63.9 51.2 76.8
75 34.3 26.2 39.4





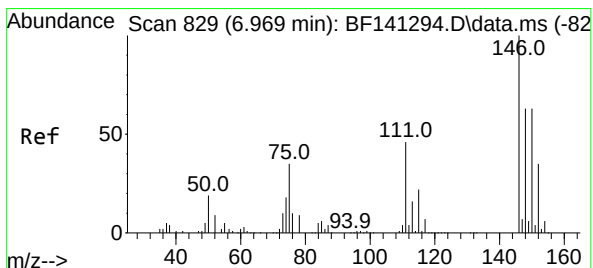
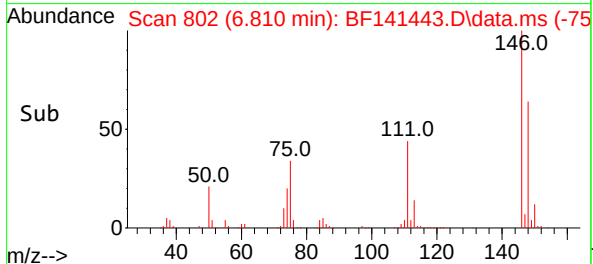
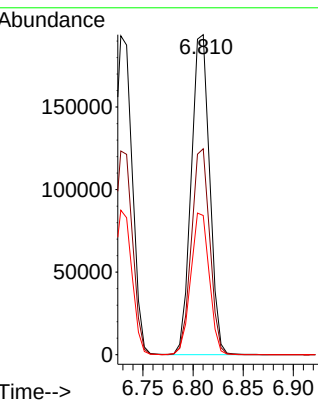
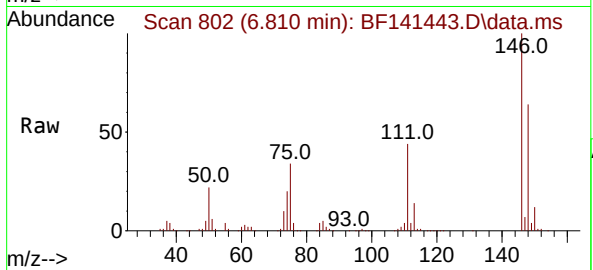
#13
1,4-Dichlorobenzene
Concen: 45.990 ng
RT: 6.810 min Scan# 803
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Tgt Ion:146 Resp: 24912
Ion Ratio Lower Upper
146 100
148 64.3 51.2 76.8
111 43.5 35.0 52.4

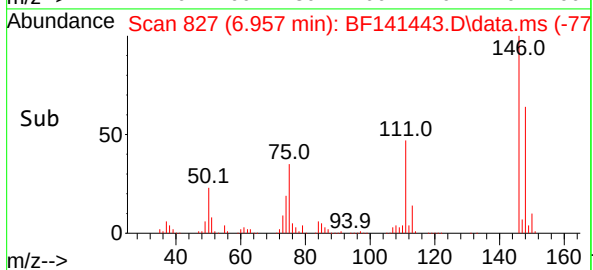
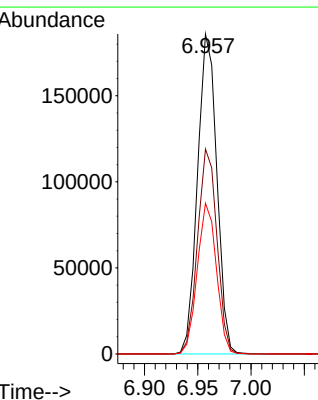
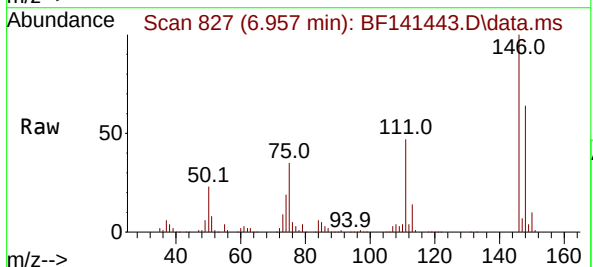
Manual Integrations
APPROVED

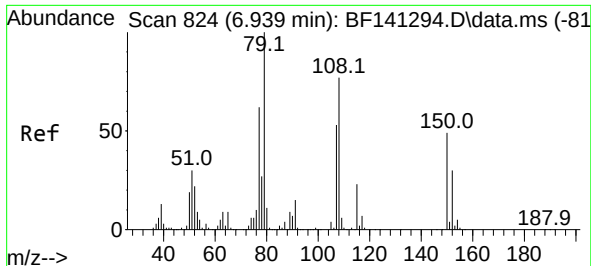
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#14
1,2-Dichlorobenzene
Concen: 46.187 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

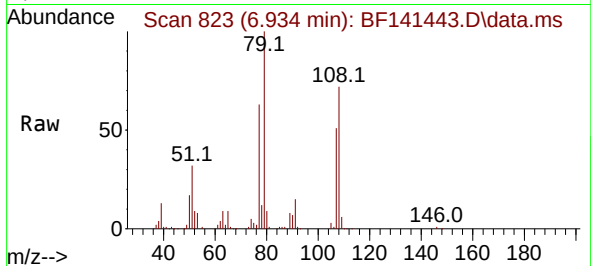
Tgt Ion:146 Resp: 234274
Ion Ratio Lower Upper
146 100
148 64.0 50.5 75.7
111 47.1 36.6 55.0





#15
Benzyl Alcohol
Concen: 51.222 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

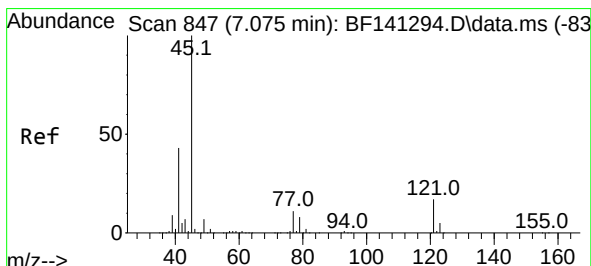
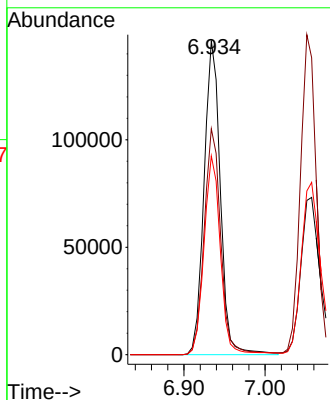
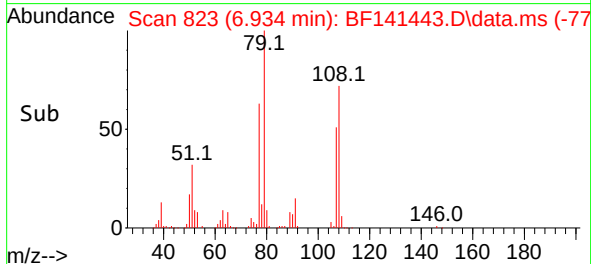
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



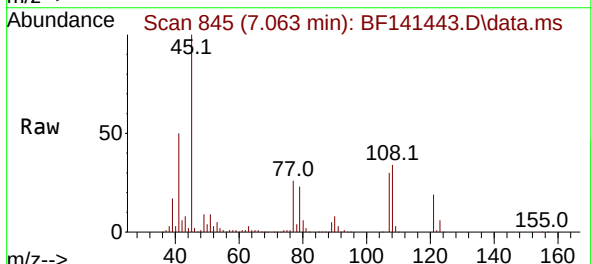
Tgt Ion: 79 Resp: 203170
Ion Ratio Lower Upper
79 100
108 71.9 61.4 92.0
77 63.3 49.9 74.9

Manual Integrations
APPROVED

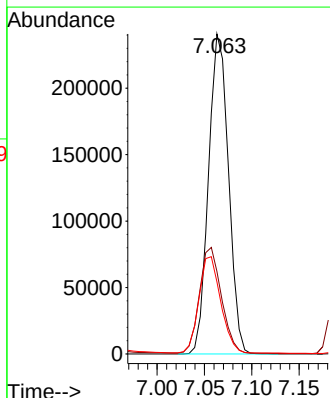
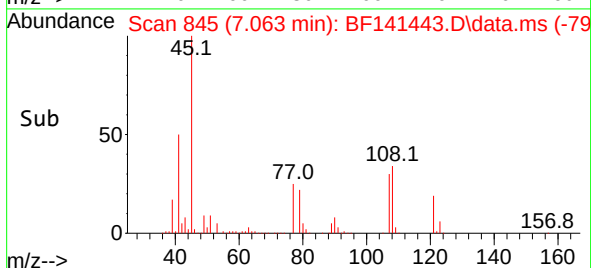
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

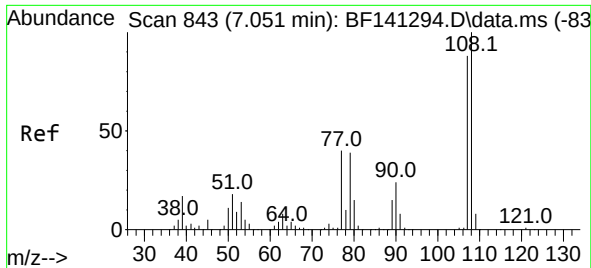


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.030 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



Tgt Ion: 45 Resp: 352997
Ion Ratio Lower Upper
45 100
77 25.8 0.0 31.8
79 22.6 0.0 29.1





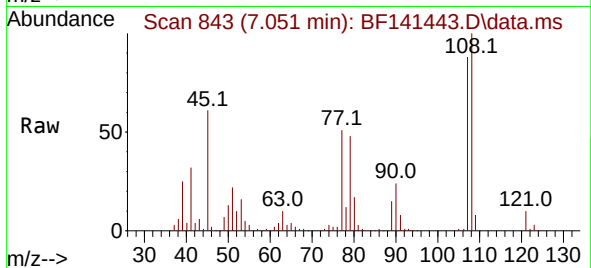
#17
2-Methylphenol
Concen: 44.416 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

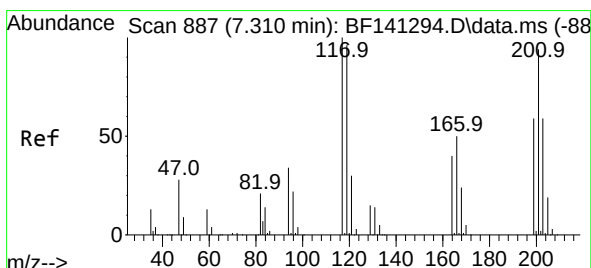
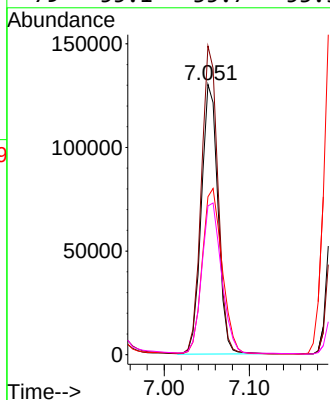
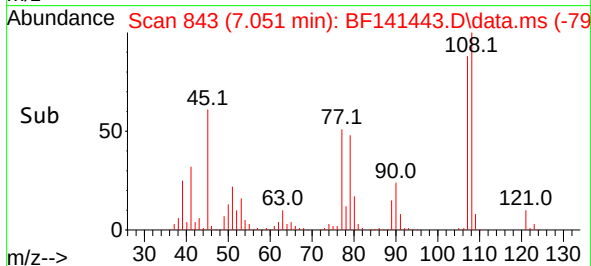


Tgt Ion:107 Resp: 17653
Ion Ratio Lower Upper
107 100
108 114.2 90.8 136.2
77 58.5 36.2 54.4
79 55.1 35.7 53.5#

Manual Integrations

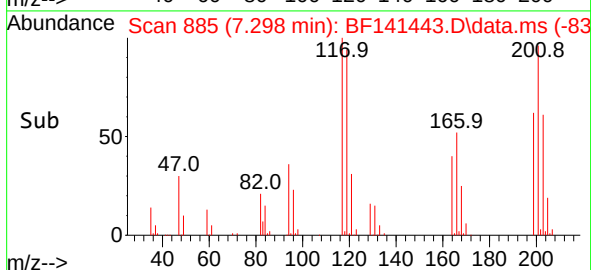
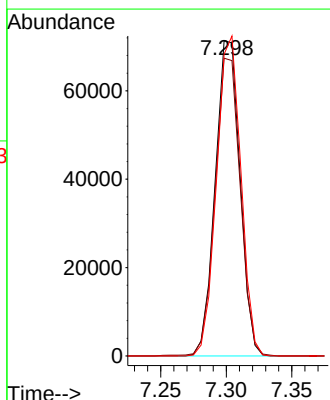
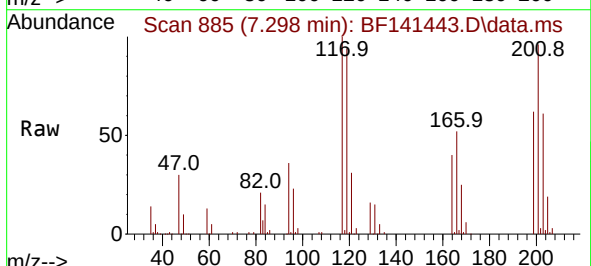
APPROVED

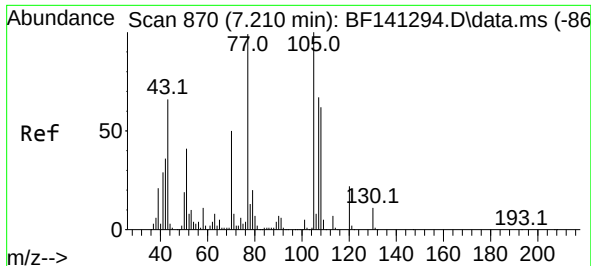
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#18
Hexachloroethane
Concen: 47.034 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

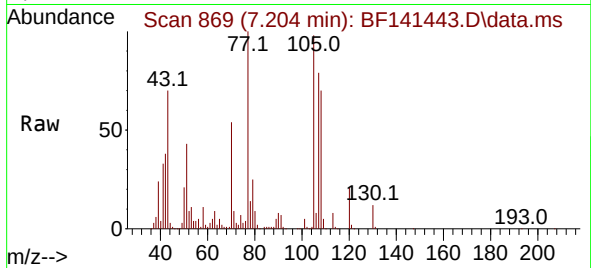
Tgt Ion:117 Resp: 93989
Ion Ratio Lower Upper
117 100
119 94.4 76.6 114.8
201 95.7 74.8 112.2





#19
n-Nitroso-di-n-propylamine
Concen: 46.601 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.024 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

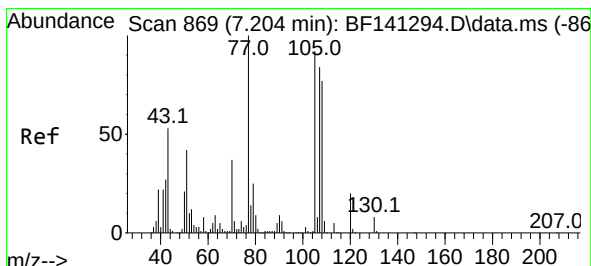
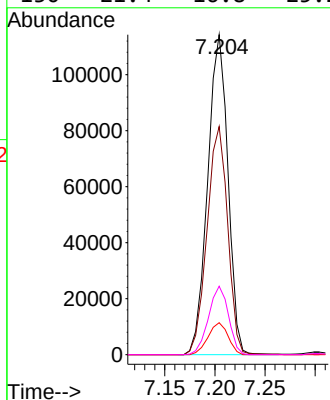
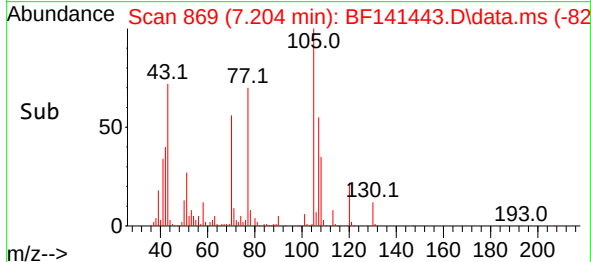
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



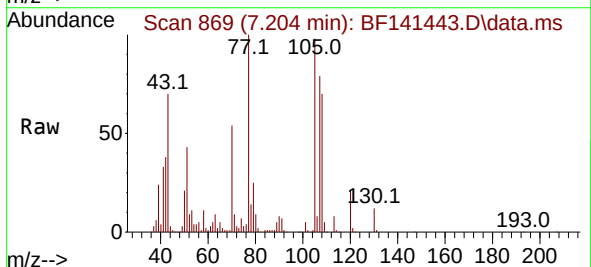
Tgt Ion: 70 Resp: 16072
Ion Ratio Lower Upper
70 100
42 71.3 56.8 85.2
101 10.0 7.7 11.5
130 21.4 16.8 25.2

Manual Integrations
APPROVED

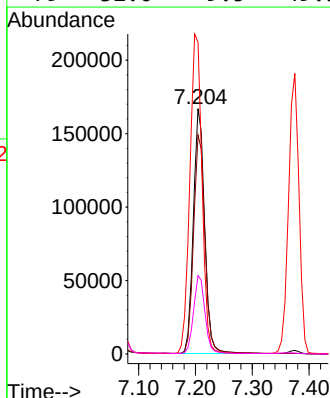
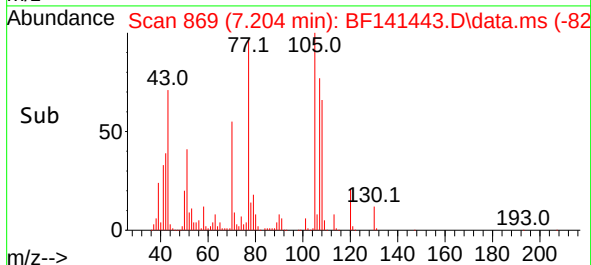
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

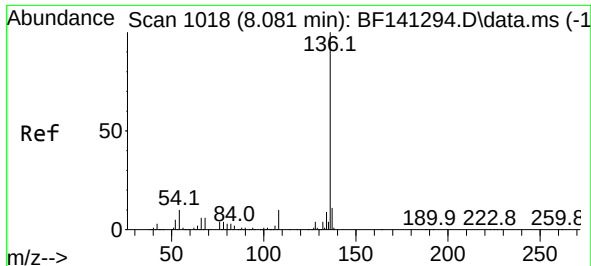


#20
3+4-Methylphenols
Concen: 47.290 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



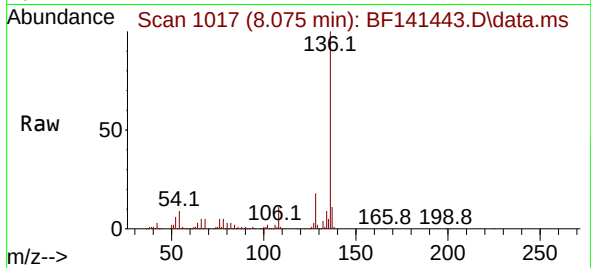
Tgt Ion:107 Resp: 230779
Ion Ratio Lower Upper
107 100
108 89.2 70.9 110.9
77 127.1 98.5 138.5
79 32.0 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

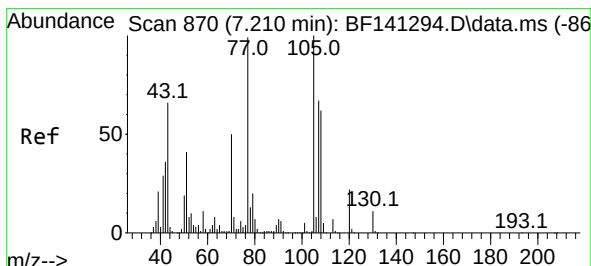
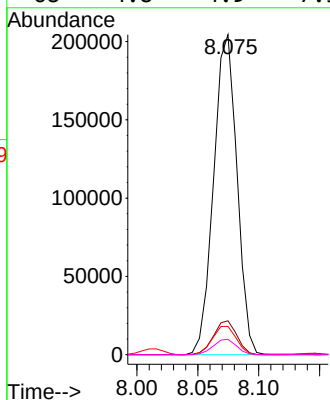
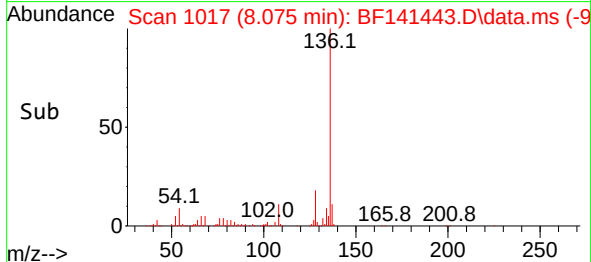
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



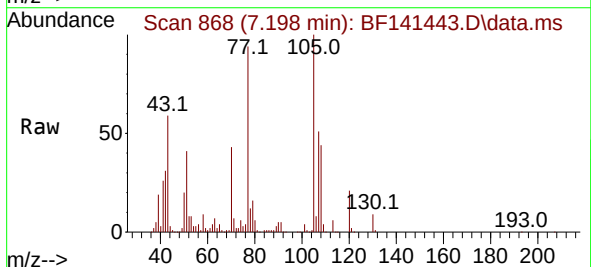
Tgt Ion:136 Resp: 272862
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.9 7.8 11.8
68 4.8 4.9 7.3#

Manual Integrations
APPROVED

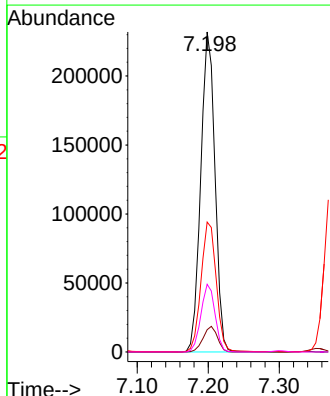
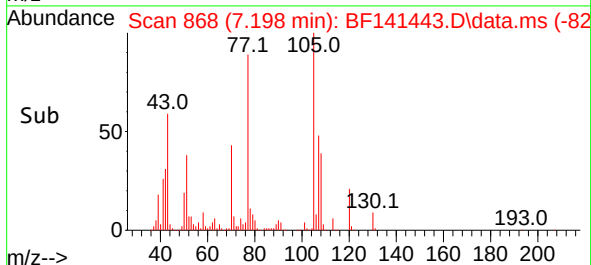
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

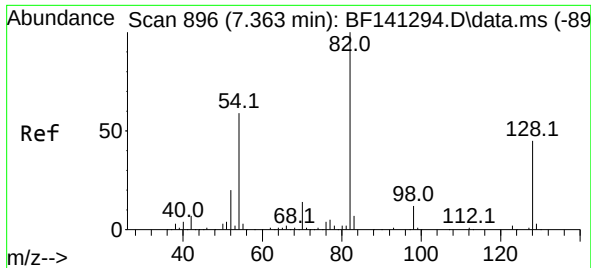


#22
Acetophenone
Concen: 49.971 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



Tgt Ion:105 Resp: 324107
Ion Ratio Lower Upper
105 100
71 6.9 6.8 10.2
51 40.6 32.6 49.0
120 21.2 17.4 26.0





#23

Nitrobenzene-d5

Concen: 93.083 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion: 82 Resp: 481799

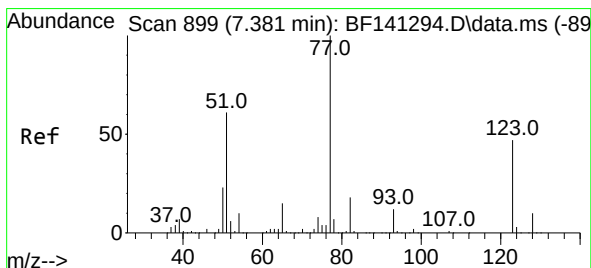
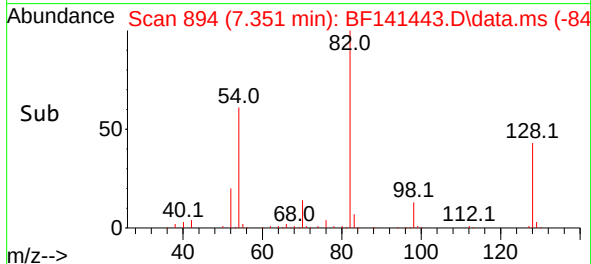
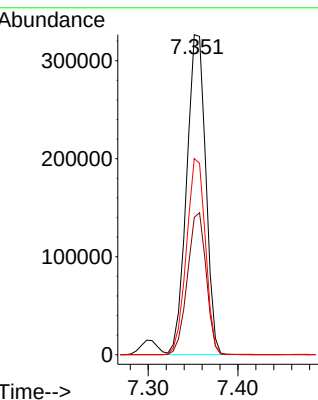
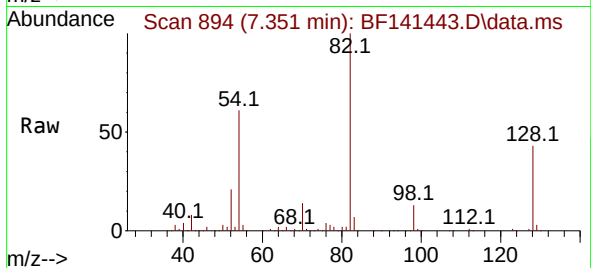
Ion	Ratio	Lower	Upper
82	100		
128	42.9	35.7	53.5
54	61.3	47.1	70.7

Manual Integrations

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Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#24

Nitrobenzene

Concen: 45.494 ng

RT: 7.375 min Scan# 898

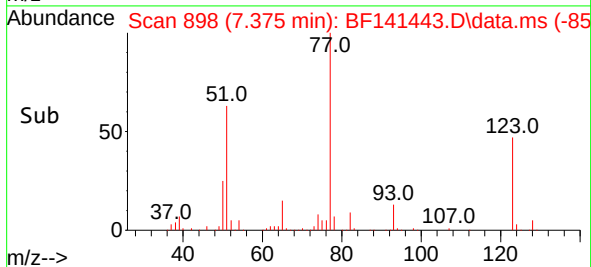
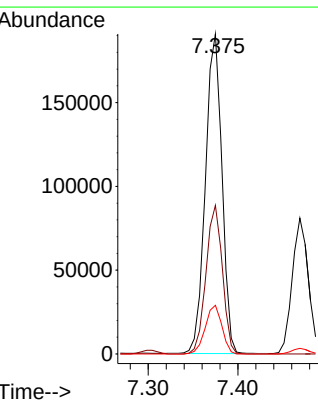
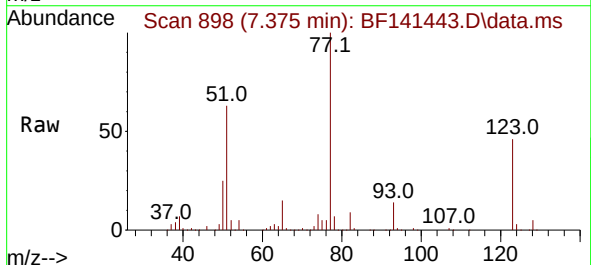
Delta R.T. -0.018 min

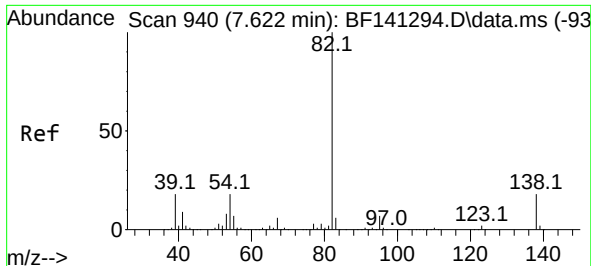
Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Tgt Ion: 77 Resp: 244028

Ion	Ratio	Lower	Upper
77	100		
123	46.4	37.3	55.9
65	15.2	11.8	17.6





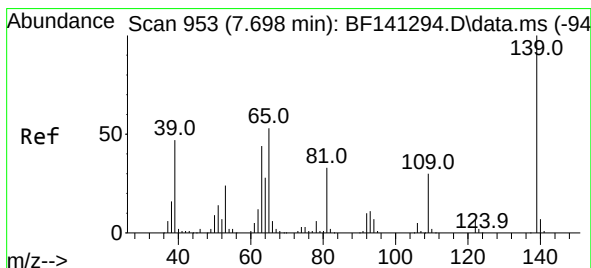
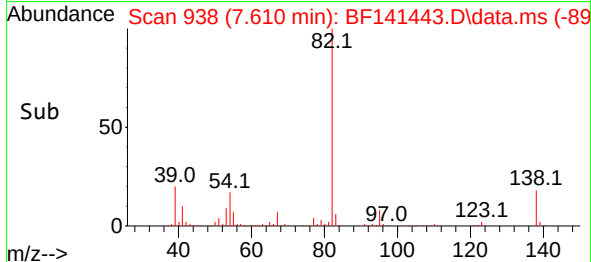
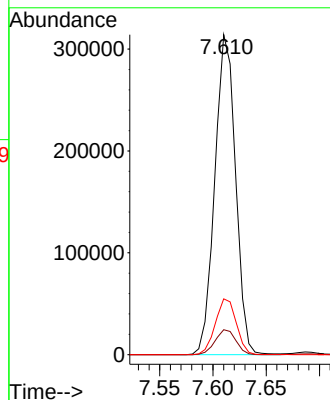
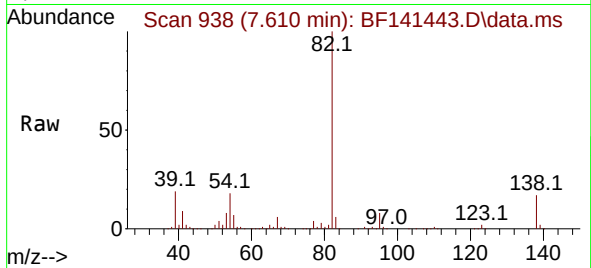
#25
Isophorone
Concen: 47.533 ng
RT: 7.610 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Tgt Ion: 82 Resp: 42528
Ion Ratio Lower Upper
82 100
95 7.8 5.8 8.6
138 17.5 14.7 22.1

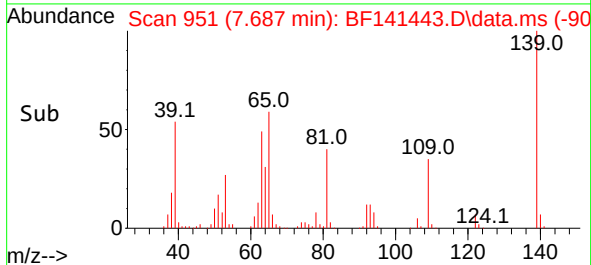
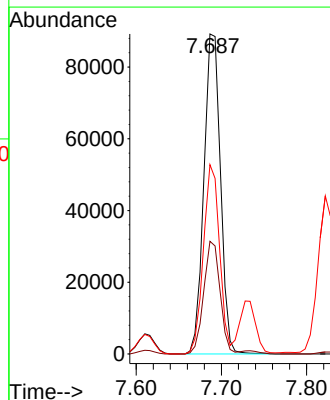
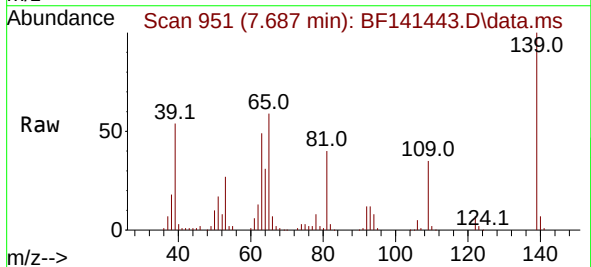
Manual Integrations
APPROVED

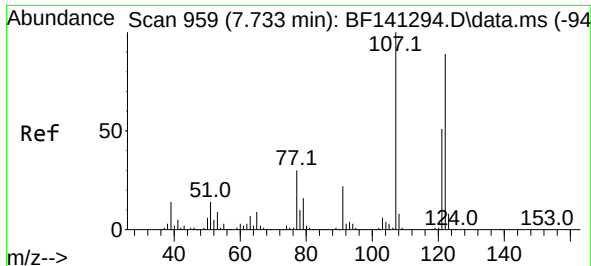
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#26
2-Nitrophenol
Concen: 47.790 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:139 Resp: 120895
Ion Ratio Lower Upper
139 100
109 35.2 23.8 35.6
65 59.2 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 54.920 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141443.D

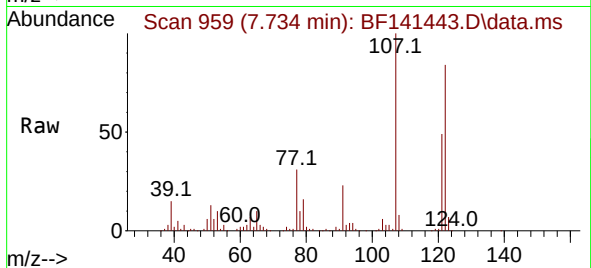
Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD



Tgt Ion:122 Resp: 17683

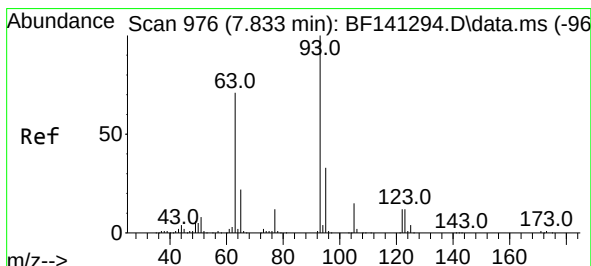
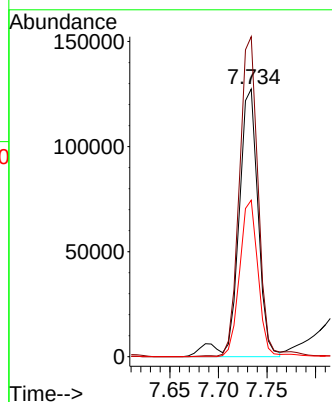
Ion	Ratio	Lower	Upper
122	100		
107	119.6	89.9	134.9
121	58.4	46.1	69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#28

bis(2-Chloroethoxy)methane

Concen: 44.498 ng

RT: 7.822 min Scan# 974

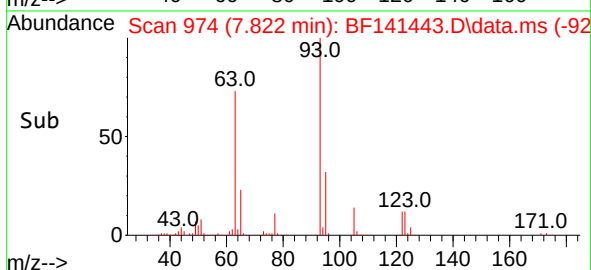
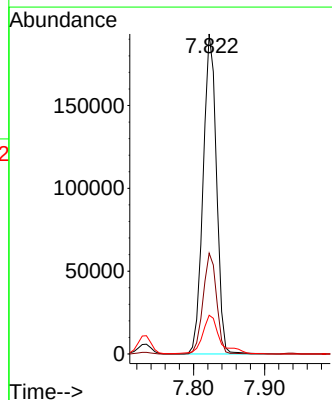
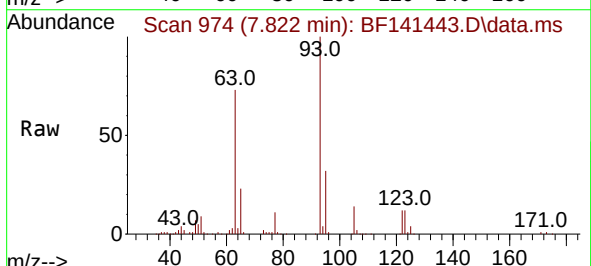
Delta R.T. -0.018 min

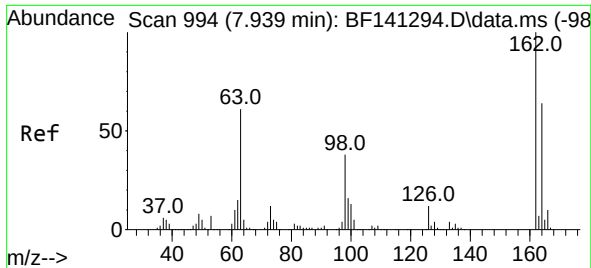
Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Tgt Ion: 93 Resp: 253960

Ion	Ratio	Lower	Upper
93	100		
95	31.5	26.2	39.2
123	12.1	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 47.951 ng

RT: 7.940 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141443.D

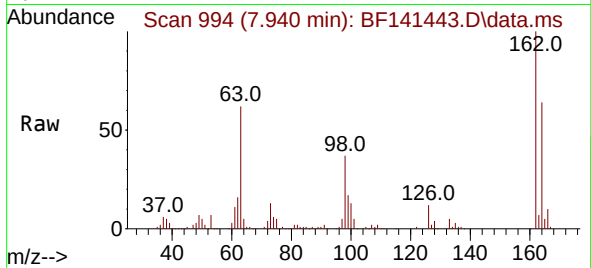
Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD



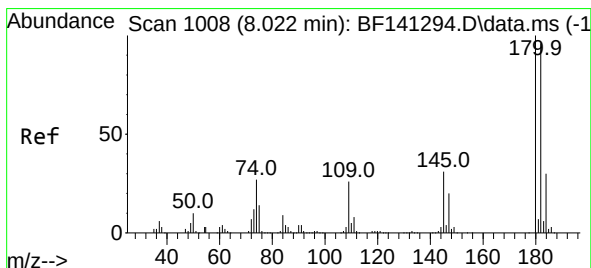
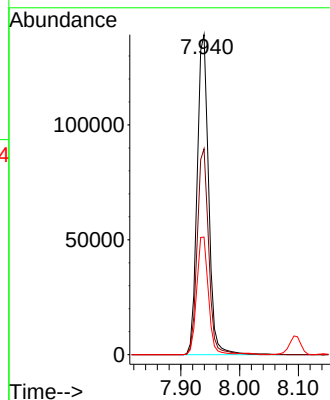
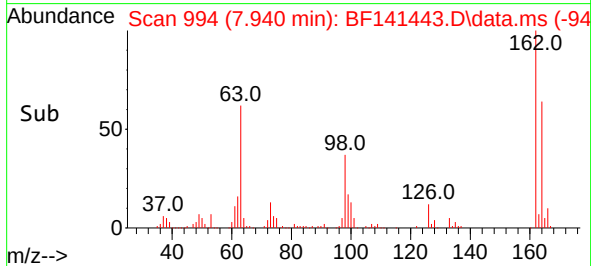
Tgt Ion:	162	Resp:	18901
Ion Ratio	Lower	Upper	
162	100		
164	64.4	44.2	84.2
98	36.8	18.2	58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#30

1,2,4-Trichlorobenzene

Concen: 45.556 ng

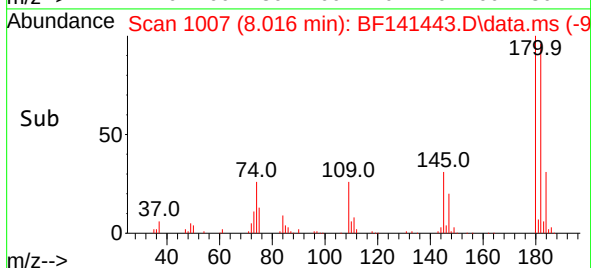
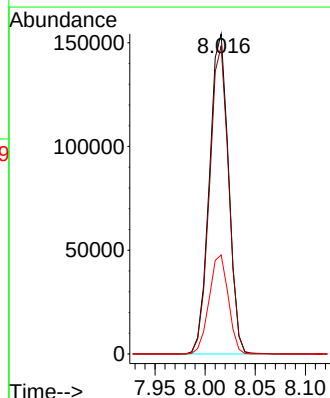
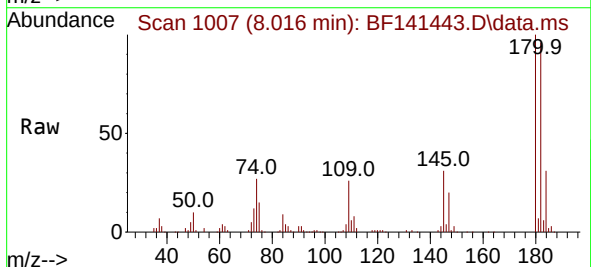
RT: 8.016 min Scan# 1007

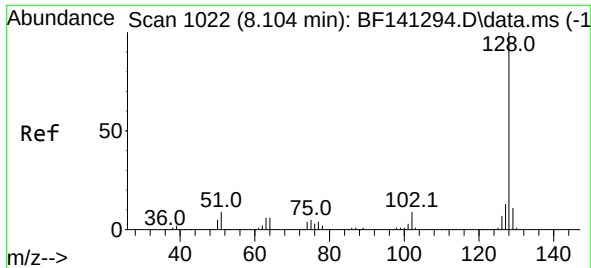
Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

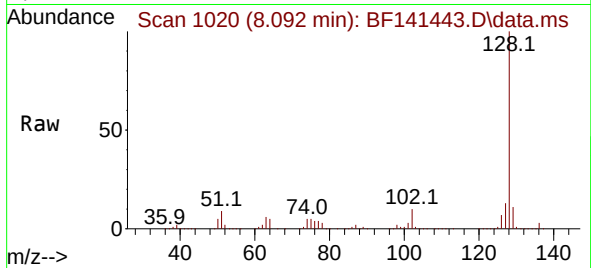
Tgt Ion:	180	Resp:	205082
Ion Ratio	Lower	Upper	
180	100		
182	96.3	76.4	114.6
145	30.9	24.9	37.3





#31
Naphthalene
Concen: 46.160 ng
RT: 8.092 min Scan# 1022
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

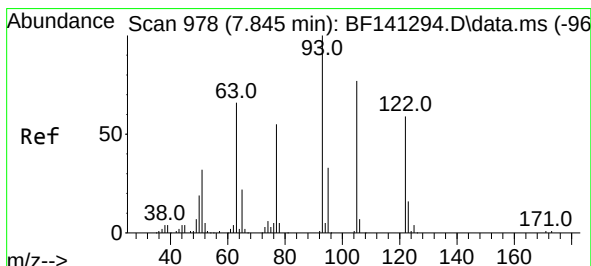
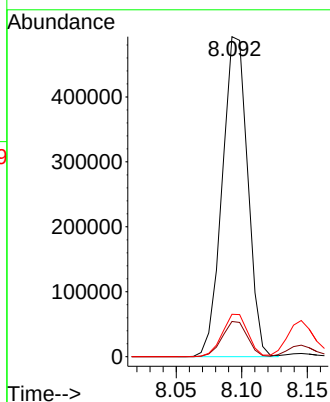
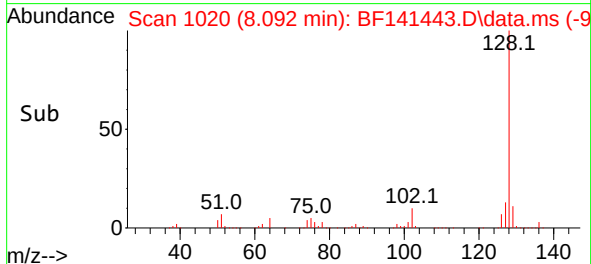
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



Tgt Ion:128 Resp: 665370
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.2 10.6 15.8

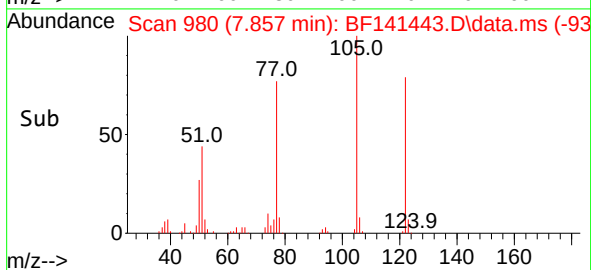
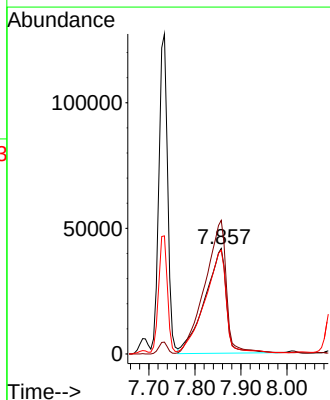
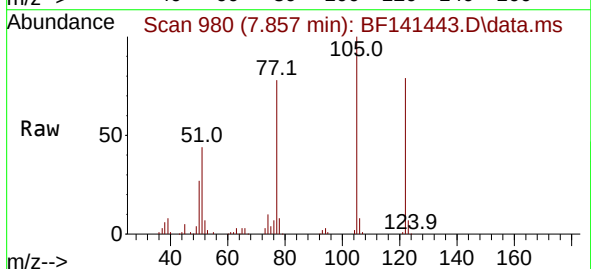
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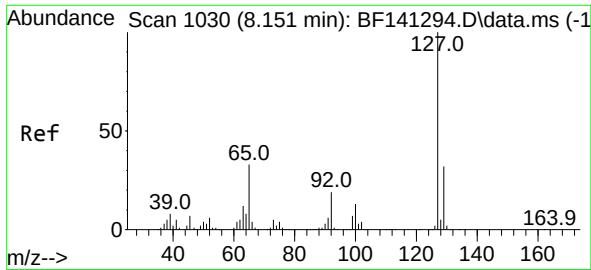
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#32
Benzoic acid
Concen: 46.082 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:122 Resp: 136403
Ion Ratio Lower Upper
122 100
105 126.6 103.4 143.4
77 98.6 70.9 110.9





#33
4-Chloroaniline
Concen: 18.396 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

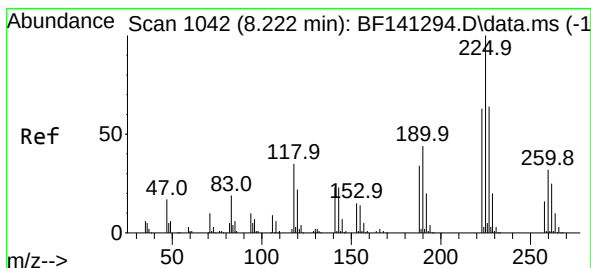
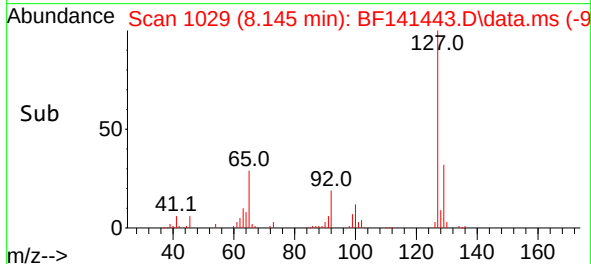
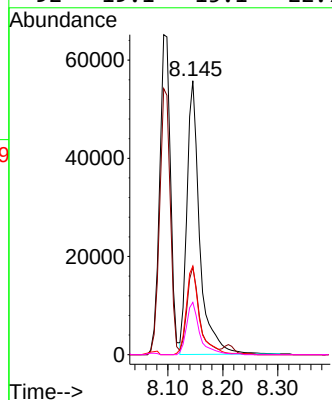
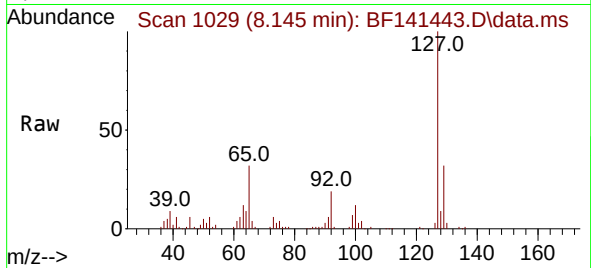
ClientSampleId :

PB166339BSD

Tgt Ion:127 Resp: 8992
Ion Ratio Lower Upper
127 100
129 32.0 25.7 38.5
65 32.3 26.4 39.6
92 19.1 15.1 22.7

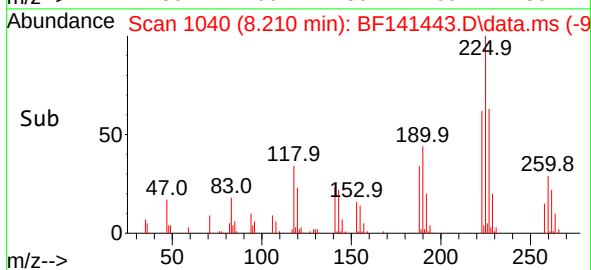
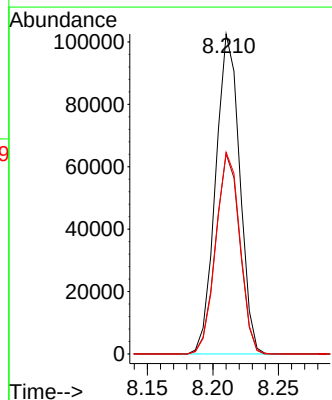
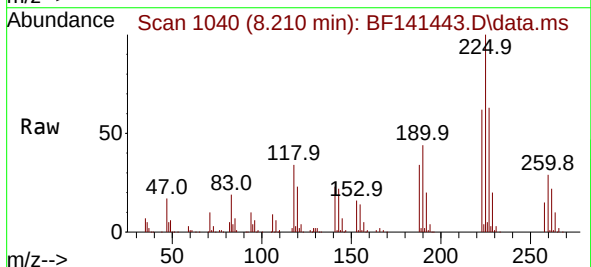
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APPROVED

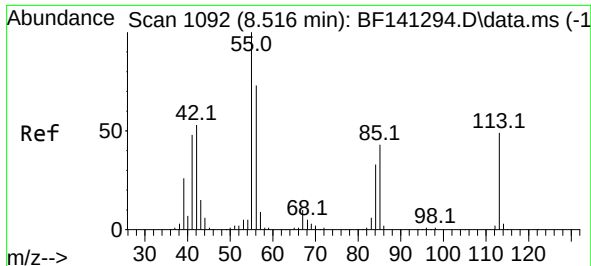
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#34
Hexachlorobutadiene
Concen: 49.491 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

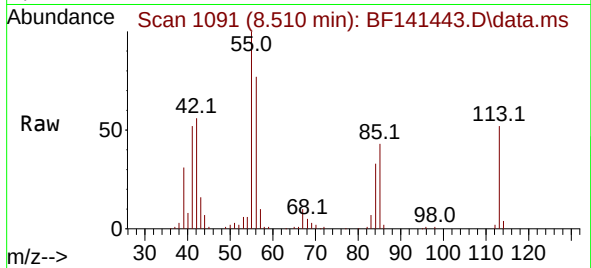
Tgt Ion:225 Resp: 130656
Ion Ratio Lower Upper
225 100
223 62.5 50.4 75.6
227 63.1 51.3 76.9





#35
Caprolactam
Concen: 46.278 ng m
RT: 8.510 min Scan# 1092
Delta R.T. -0.035 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

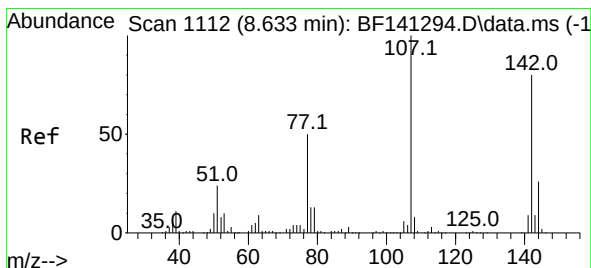
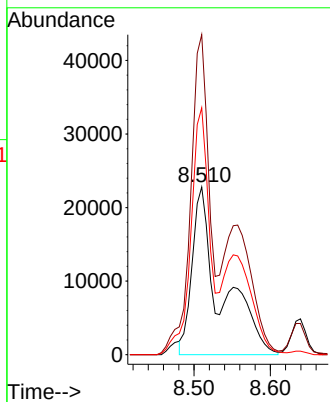
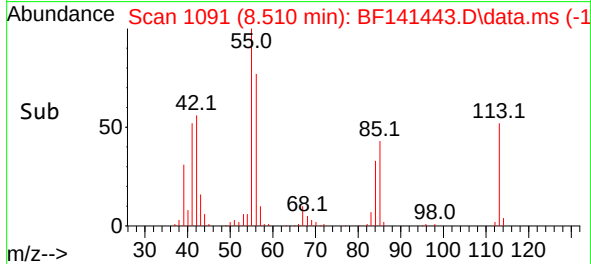
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



Tgt Ion:113 Resp: 5957
Ion Ratio Lower Upper
113 100
55 190.8 182.9 222.9
56 147.2 127.9 167.9

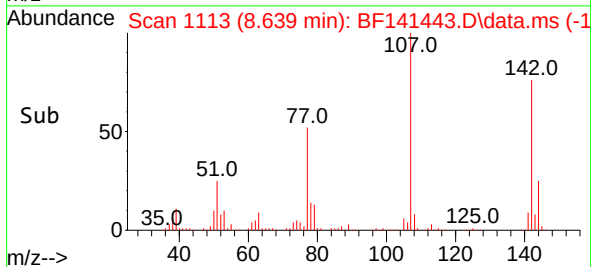
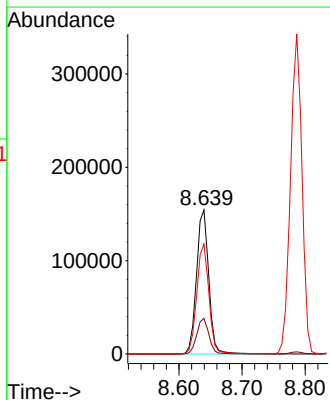
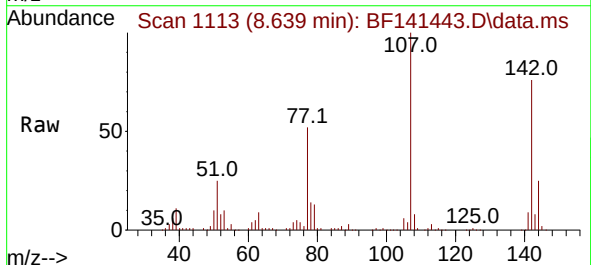
Manual Integrations
APPROVED

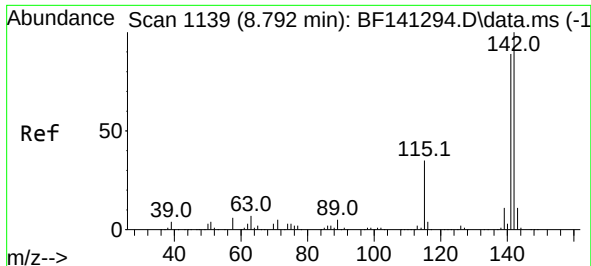
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#36
4-Chloro-3-methylphenol
Concen: 49.066 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:107 Resp: 207462
Ion Ratio Lower Upper
107 100
144 24.7 20.7 31.1
142 76.4 63.8 95.8





#37

2-Methylnaphthalene

Concen: 47.352 ng

RT: 8.787 min Scan# 1138

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion:142 Resp: 433820

Ion Ratio Lower Upper

142 100

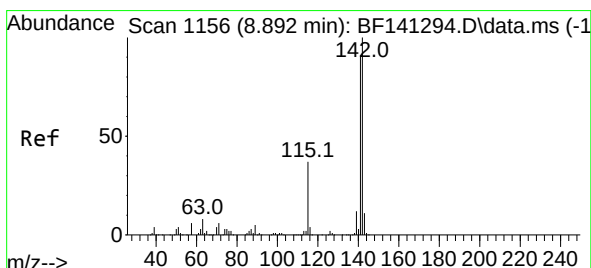
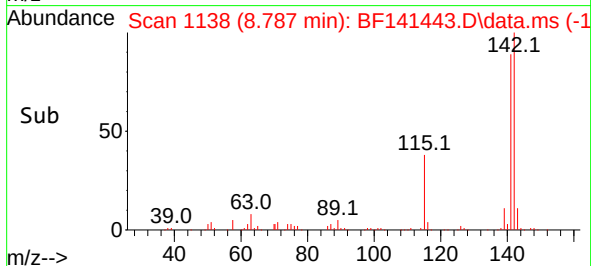
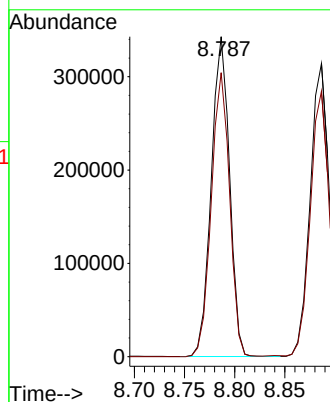
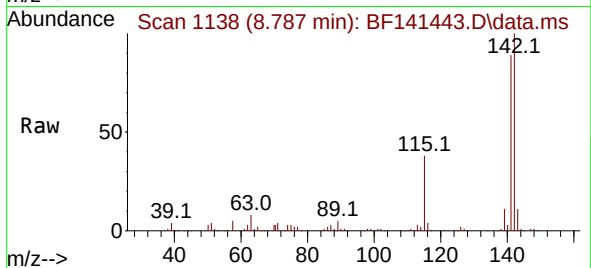
141 88.7 71.3 106.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#38

1-Methylnaphthalene

Concen: 45.209 ng

RT: 8.887 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF141443.D

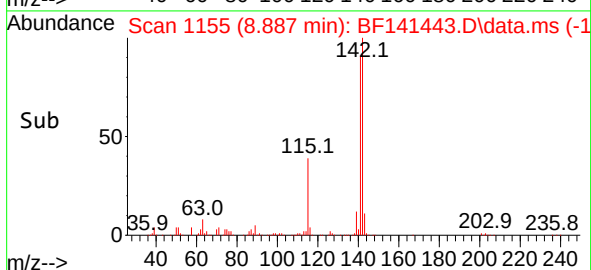
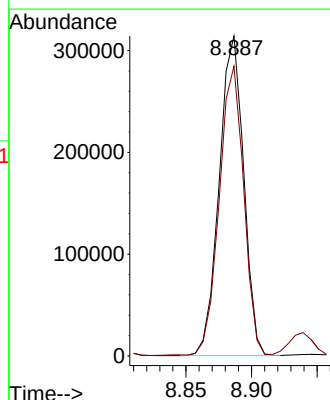
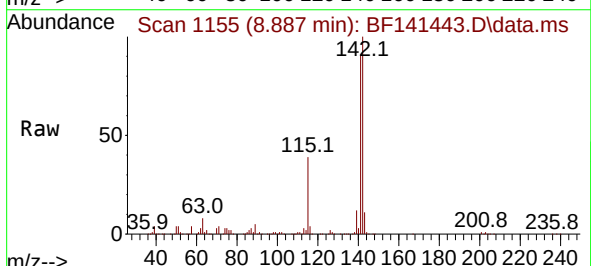
Acq: 05 Feb 2025 13:31

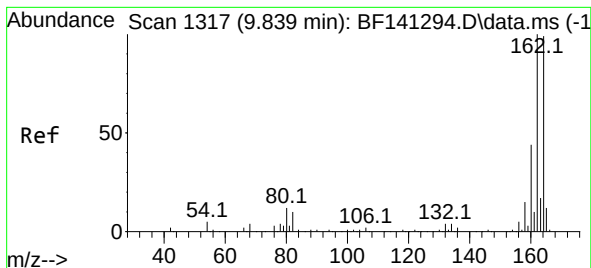
Tgt Ion:142 Resp: 406864

Ion Ratio Lower Upper

142 100

141 90.5 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1115

Delta R.T. -0.012 min

Lab File: BF141443.D

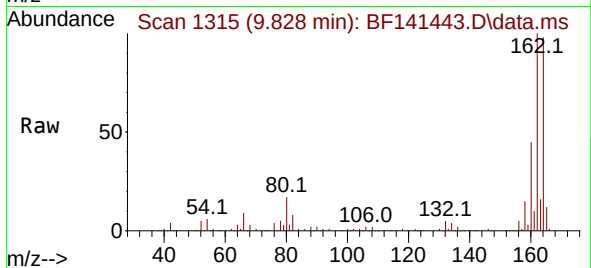
Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD



Tgt Ion:164 Resp: 147235

Ion Ratio Lower Upper

164 100

162 102.4 80.6 121.0

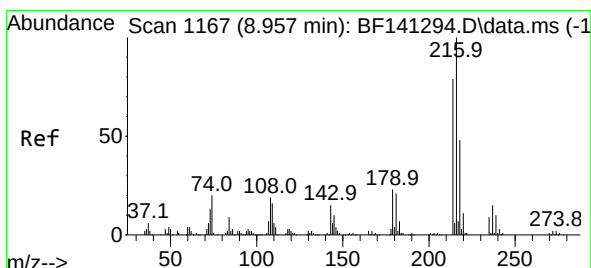
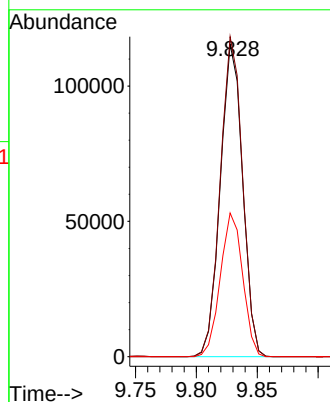
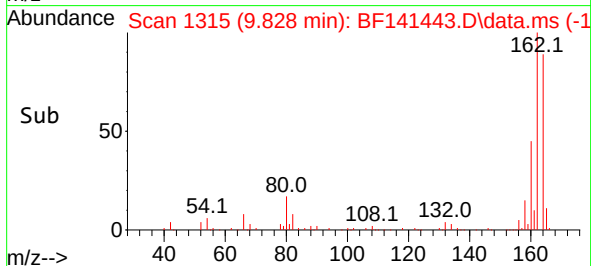
160 46.0 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.587 ng

RT: 8.951 min Scan# 1166

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Tgt Ion:216 Resp: 203516

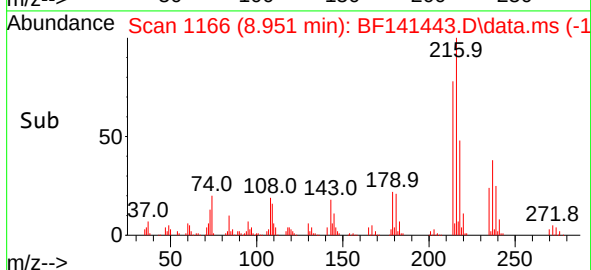
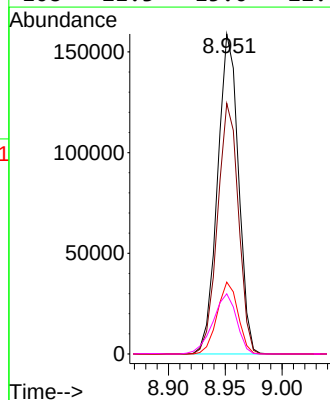
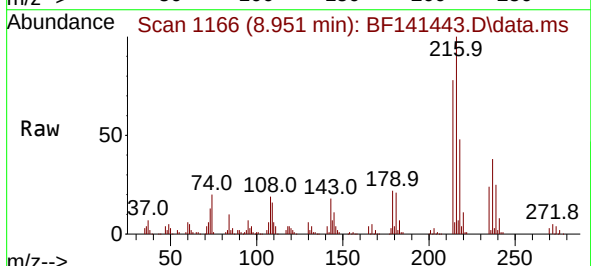
Ion Ratio Lower Upper

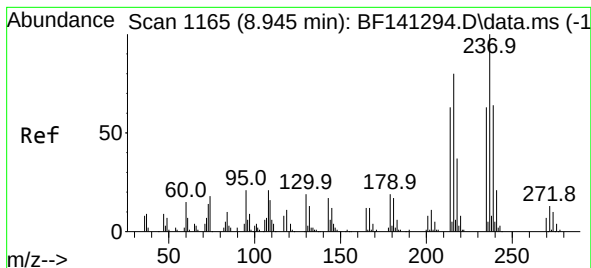
216 100

214 78.0 63.2 94.8

179 22.4 17.8 26.8

108 21.3 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 186.564 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion:237 Resp: 230780

Ion Ratio Lower Upper

237 100

235 63.1 42.9 82.9

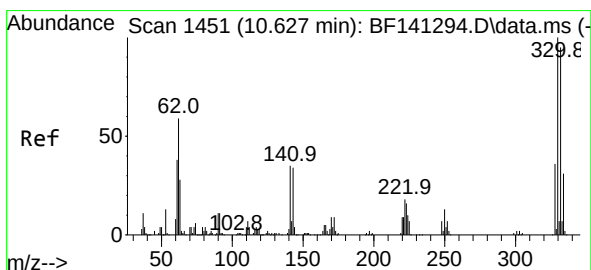
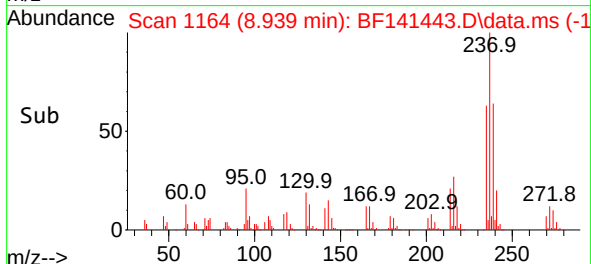
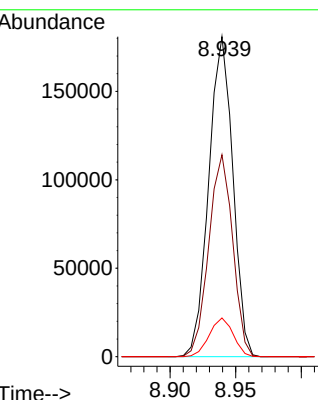
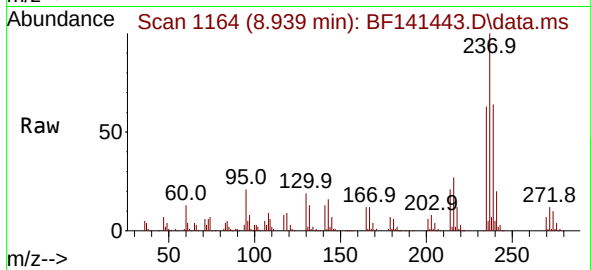
272 12.1 0.0 32.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#42

2,4,6-Tribromophenol

Concen: 150.955 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

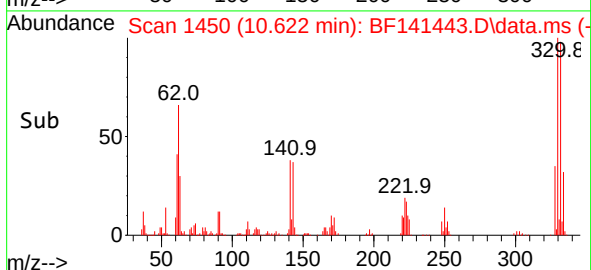
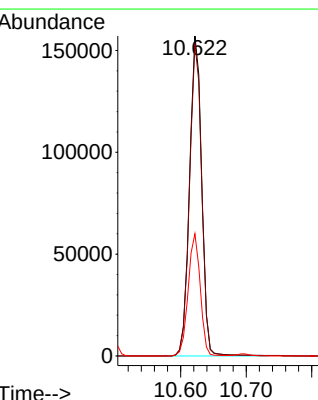
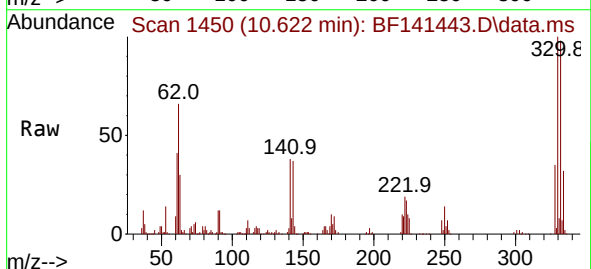
Tgt Ion:330 Resp: 203760

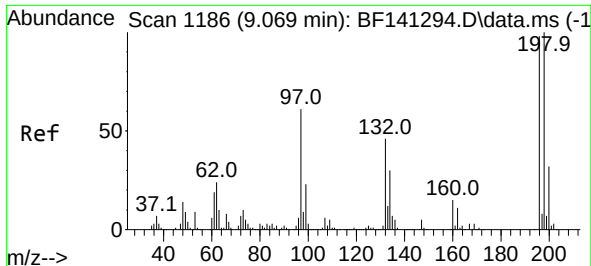
Ion Ratio Lower Upper

330 100

332 97.0 76.1 114.1

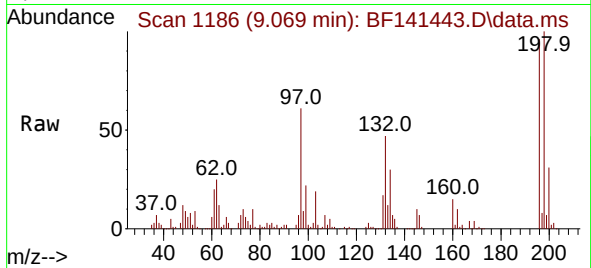
141 37.9 28.8 43.2





#43
2,4,6-Trichlorophenol
Concen: 48.150 ng
RT: 9.069 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

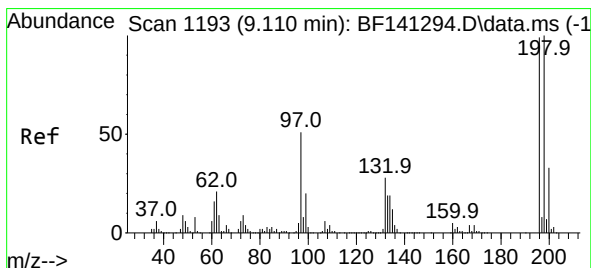
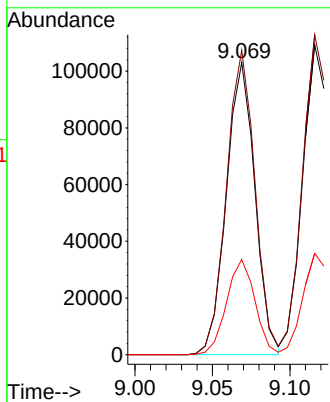
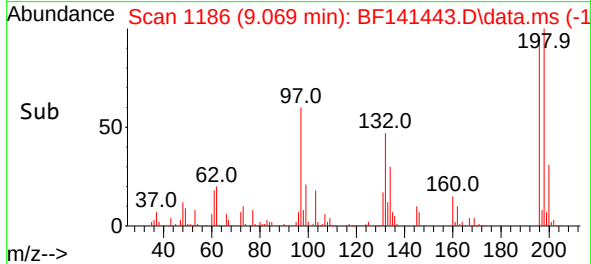
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



Tgt Ion:196 Resp: 132009
Ion Ratio Lower Upper
196 100
198 104.2 81.8 122.6
200 32.6 26.3 39.5

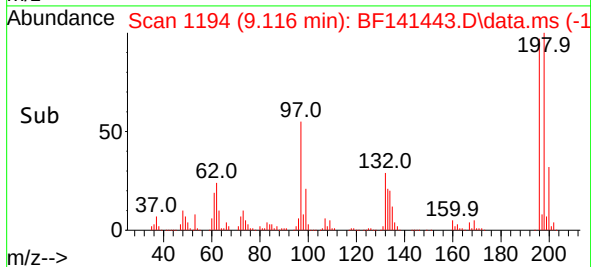
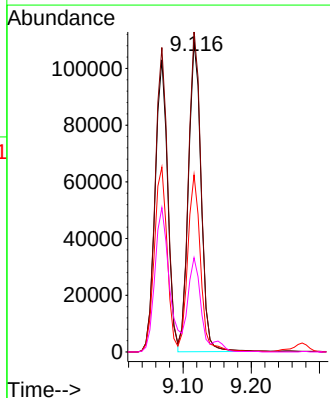
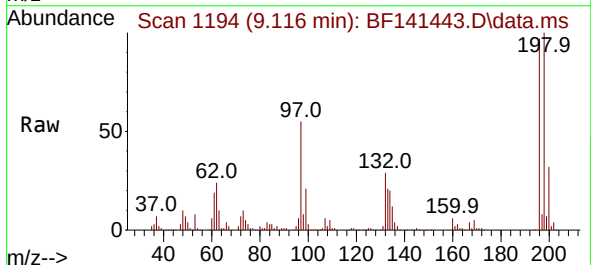
Manual Integrations
APPROVED

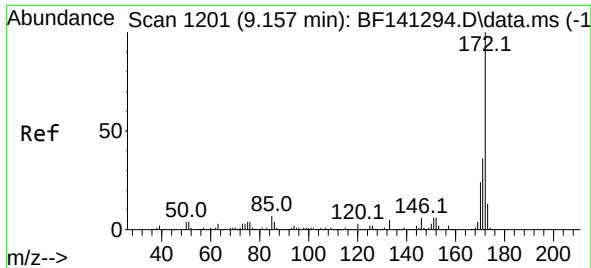
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#44
2,4,5-Trichlorophenol
Concen: 46.752 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

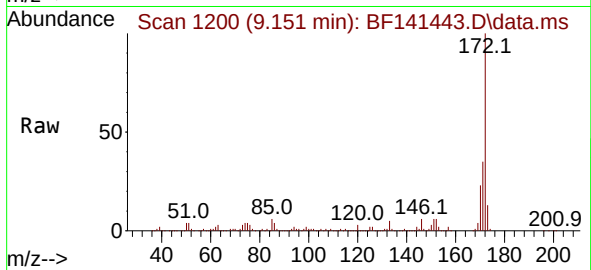
Tgt Ion:196 Resp: 139507
Ion Ratio Lower Upper
196 100
198 103.2 80.5 120.7
97 57.2 42.8 64.2
132 30.4 23.5 35.3





#45
2-Fluorobiphenyl
Concen: 93.364 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

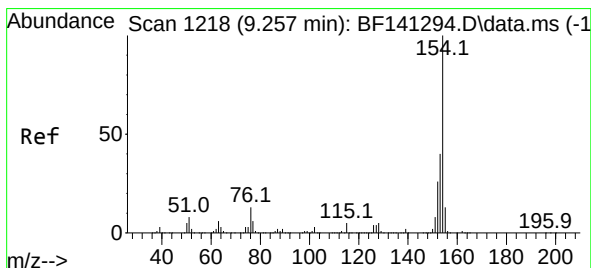
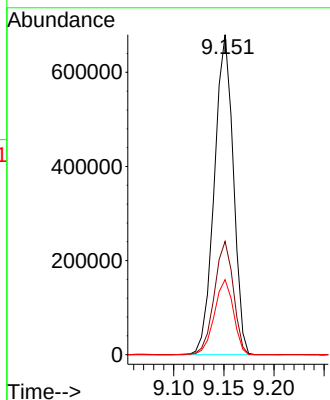
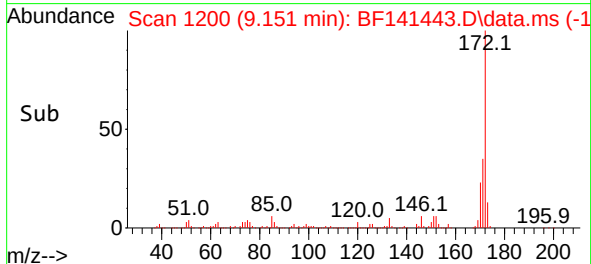
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



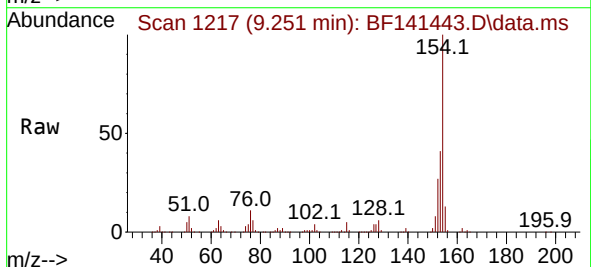
Tgt Ion:172 Resp: 89309
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.4 19.0 28.6

Manual Integrations
APPROVED

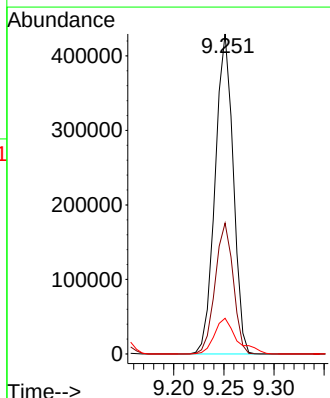
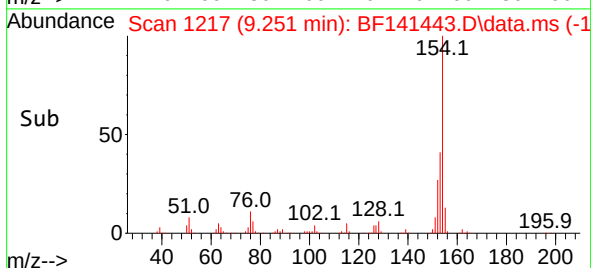
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

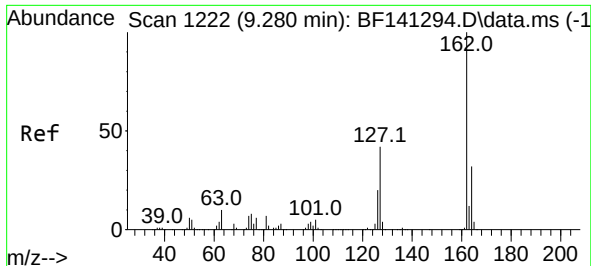


#46
1,1'-Biphenyl
Concen: 46.812 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



Tgt Ion:154 Resp: 537519
Ion Ratio Lower Upper
154 100
153 40.9 20.0 60.0
76 11.1 0.0 32.8





#47

2-Chloronaphthalene

Concen: 45.599 ng

RT: 9.275 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

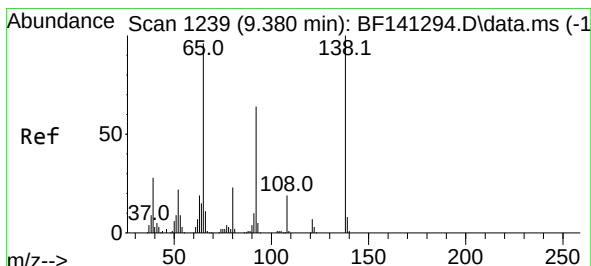
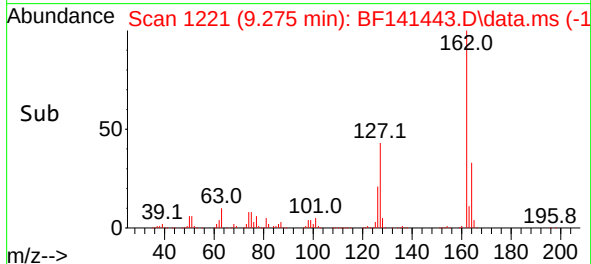
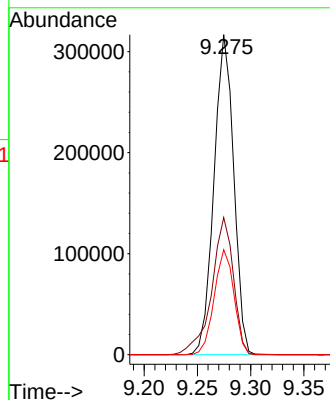
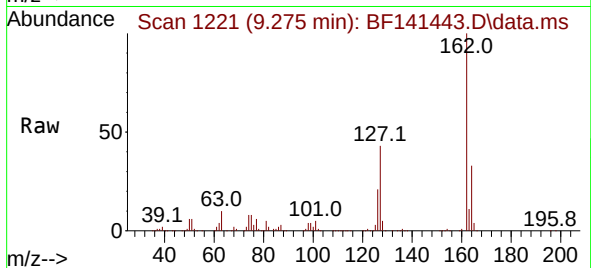
Tgt Ion:162 Resp: 40811
 Ion Ratio Lower Upper
 162 100
 127 42.9 33.7 50.5
 164 32.8 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#48

2-Nitroaniline

Concen: 49.666 ng

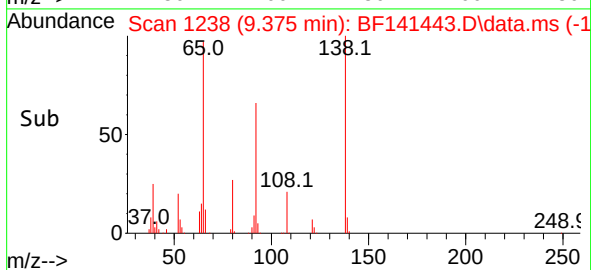
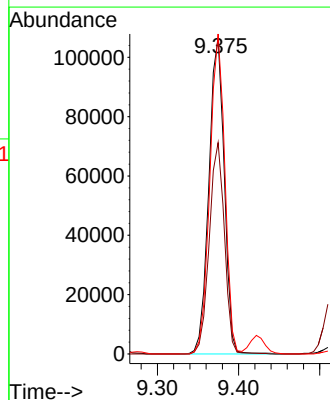
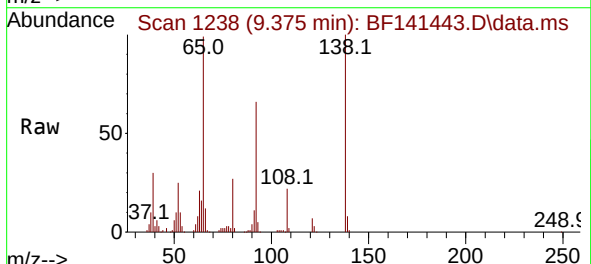
RT: 9.375 min Scan# 1238

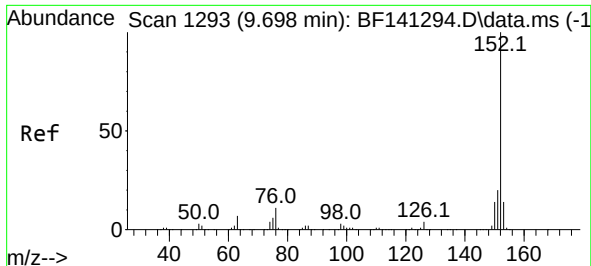
Delta R.T. -0.006 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Tgt Ion: 65 Resp: 139818
 Ion Ratio Lower Upper
 65 100
 92 66.9 53.3 79.9
 138 101.3 83.6 125.4





#49

Acenaphthylene

Concen: 49.994 ng

RT: 9.692 min Scan# 1293

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

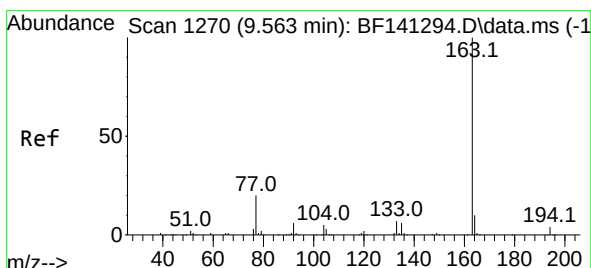
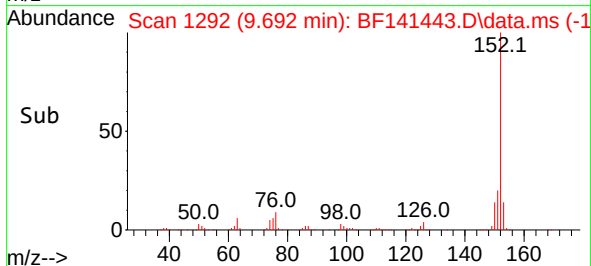
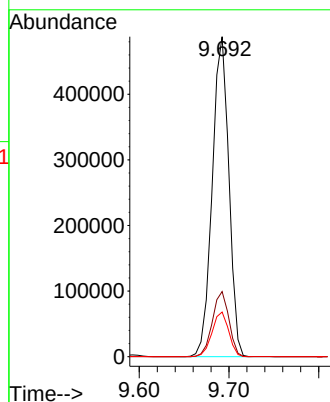
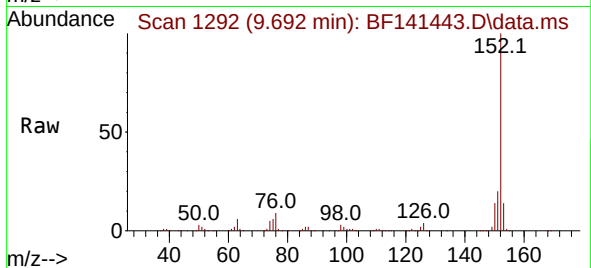
Tgt Ion:152 Resp: 626340
 Ion Ratio Lower Upper
 152 100
 151 20.3 16.2 24.2
 153 13.9 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#50

Dimethylphthalate

Concen: 48.629 ng

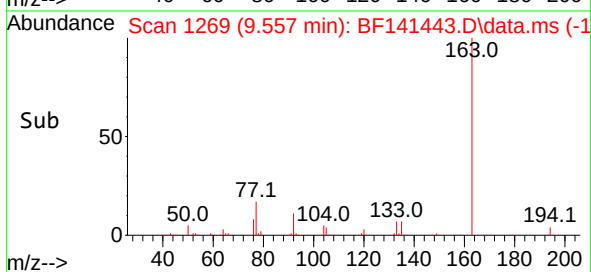
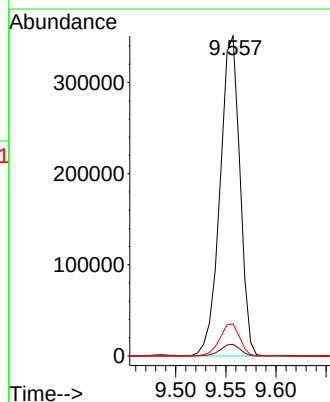
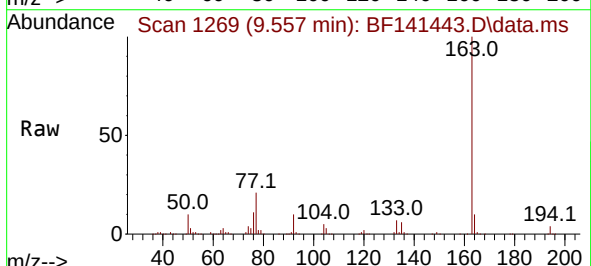
RT: 9.557 min Scan# 1269

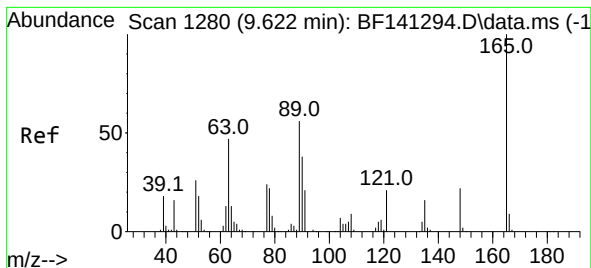
Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

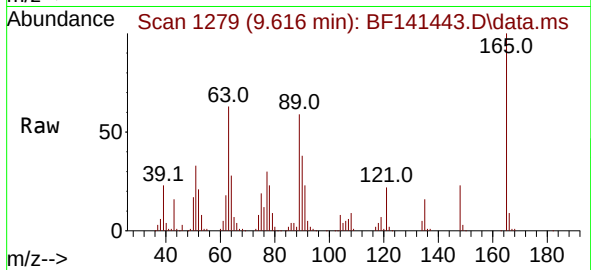
Tgt Ion:163 Resp: 483574
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.0 4.6
 164 10.0 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 46.591 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

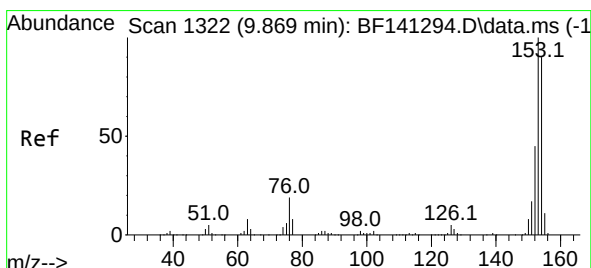
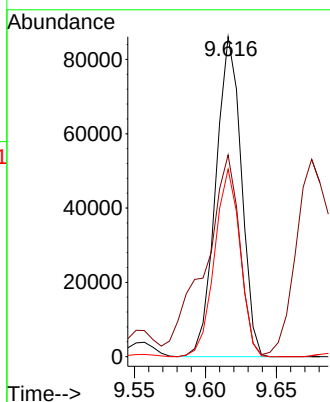
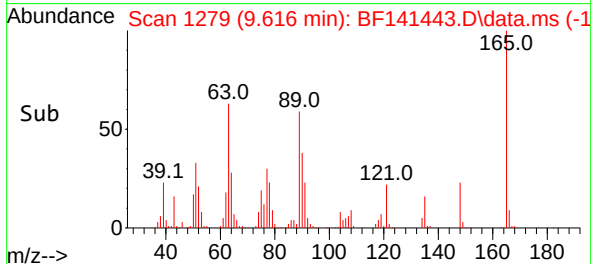
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



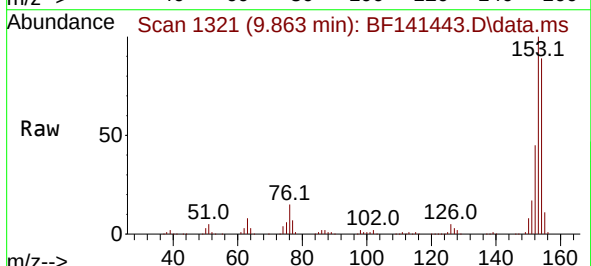
Tgt Ion:165 Resp: 107574
Ion Ratio Lower Upper
165 100
63 63.0 48.1 72.1
89 58.6 44.9 67.3

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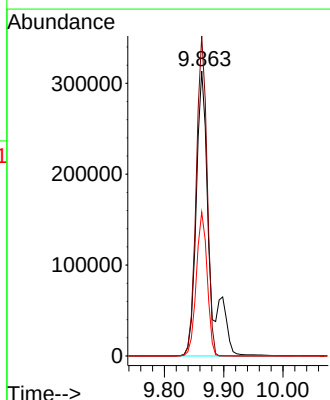
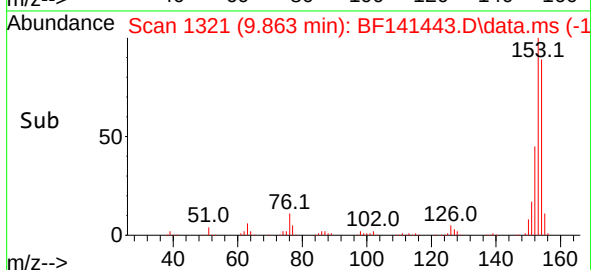
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

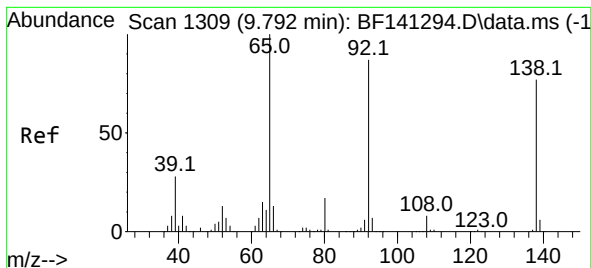


#52
Acenaphthene
Concen: 54.358 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



Tgt Ion:154 Resp: 486518
Ion Ratio Lower Upper
154 100
153 112.3 89.0 133.4
152 50.5 40.2 60.4





#53

3-Nitroaniline

Concen: 26.840 ng

RT: 9.786 min Scan# 1308

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

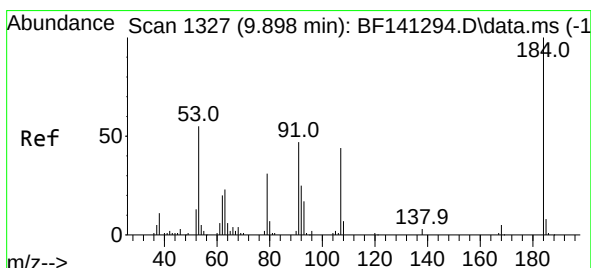
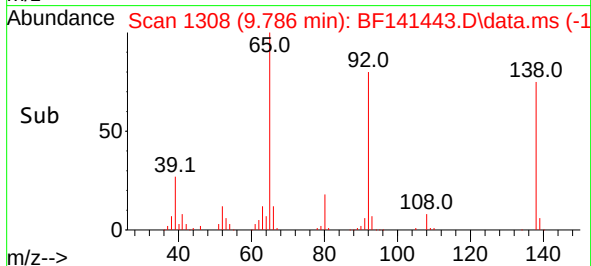
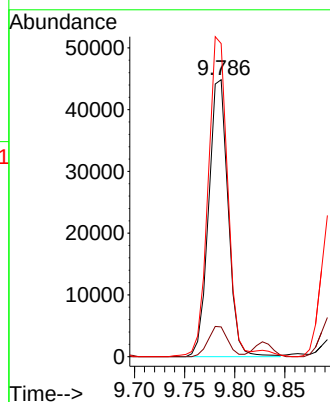
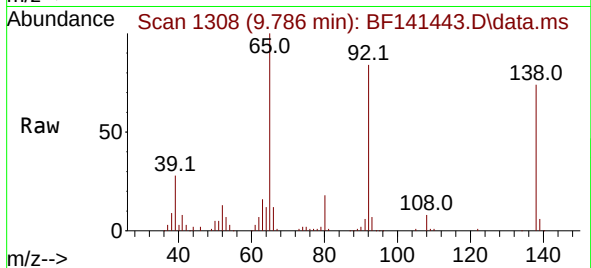
Tgt Ion:138	Resp:	60739
Ion Ratio	Lower	Upper
138	100	
108	10.7	8.6 12.8
92	113.1	91.0 136.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#54

2,4-Dinitrophenol

Concen: 113.070 ng

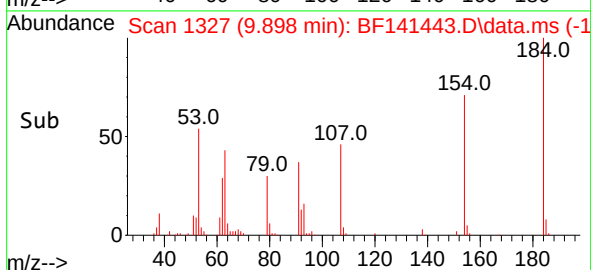
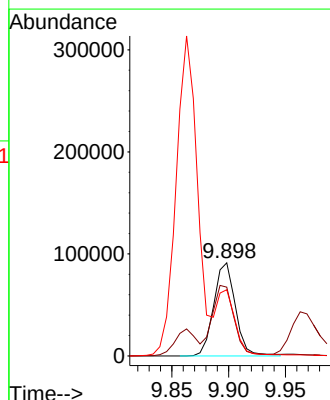
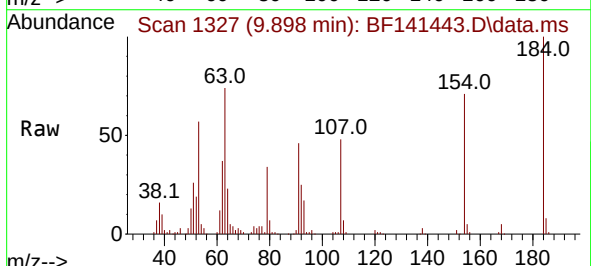
RT: 9.898 min Scan# 1327

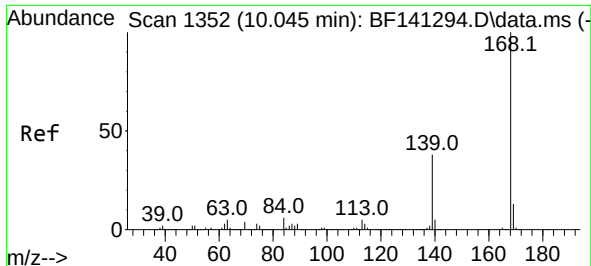
Delta R.T. -0.006 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

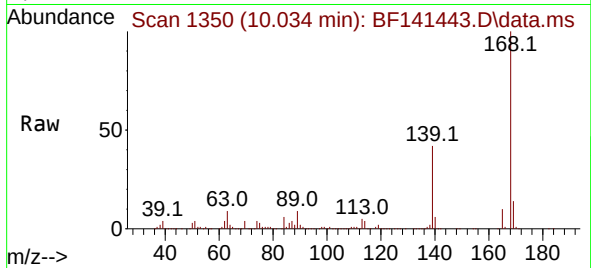
Tgt Ion:184	Resp:	121360
Ion Ratio	Lower	Upper
184	100	
63	73.9	54.1 81.1
154	71.2	50.7 76.1





#55
Dibenzenofuran
Concen: 48.552 ng
RT: 10.034 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

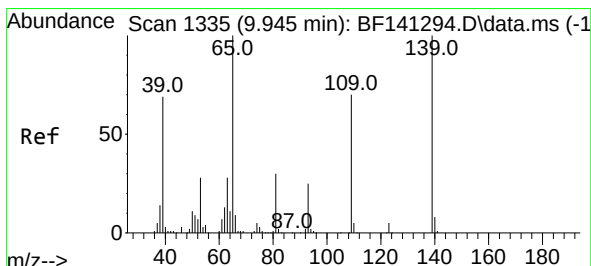
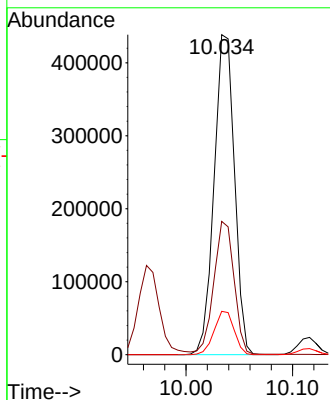
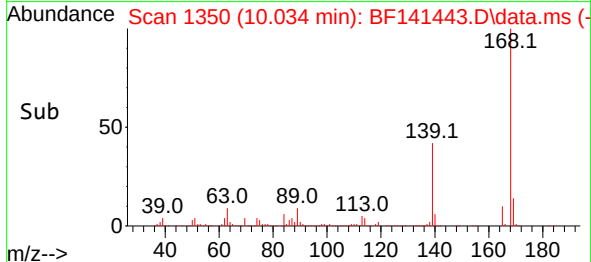
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



Tgt Ion:168 Resp: 58167
Ion Ratio Lower Upper
168 100
139 41.7 30.6 46.0
169 13.6 10.8 16.2

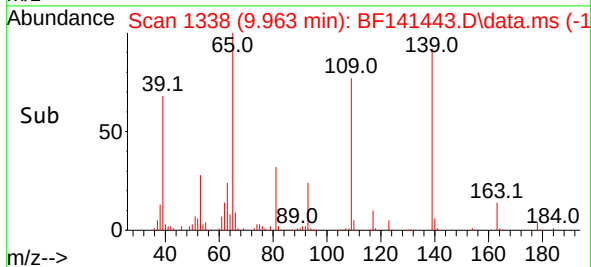
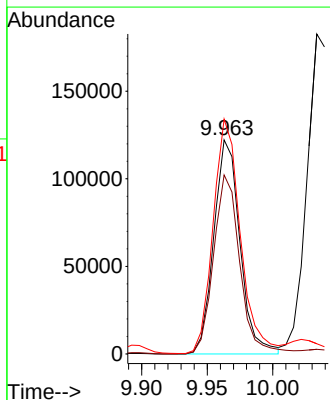
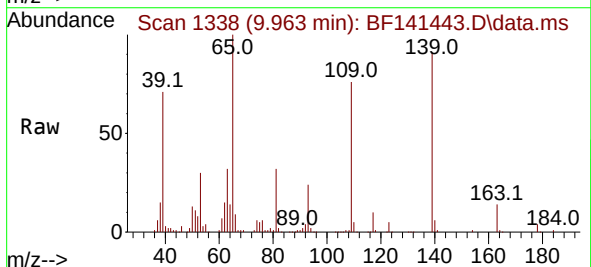
Manual Integrations
APPROVED

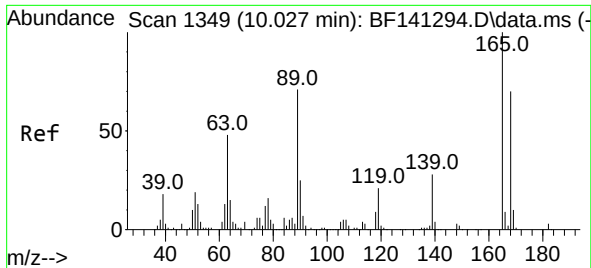
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#56
4-Nitrophenol
Concen: 102.622 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:139 Resp: 169841
Ion Ratio Lower Upper
139 100
109 83.6 50.2 90.2
65 109.7 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 50.041 ng
RT: 10.022 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

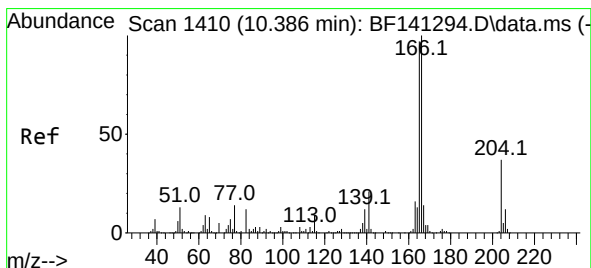
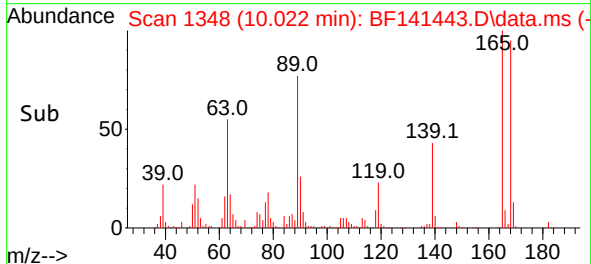
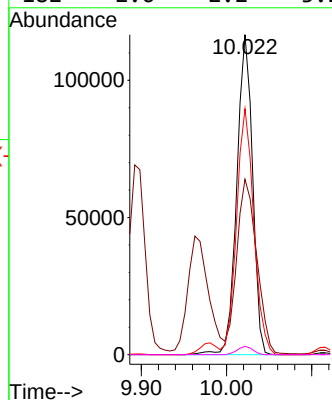
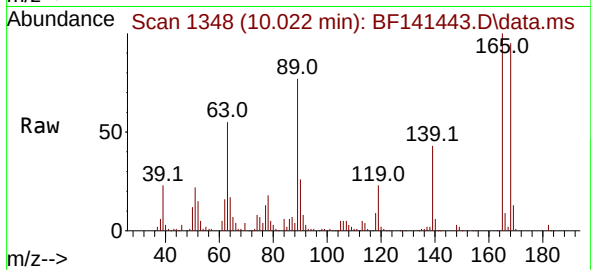
PB166339BSD

Tgt Ion:165 Resp: 14959
Ion Ratio Lower Upper
165 100
63 54.8 39.2 58.8
89 76.9 56.9 85.3
182 2.6 2.2 3.2

Manual Integrations

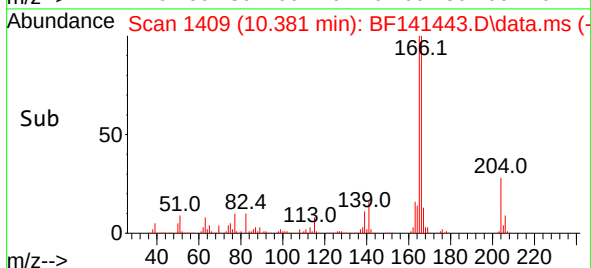
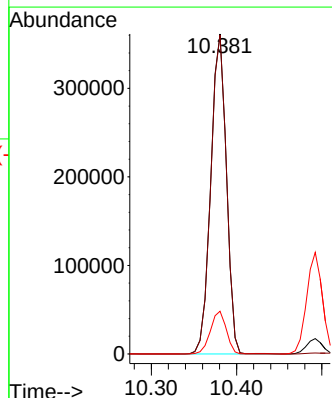
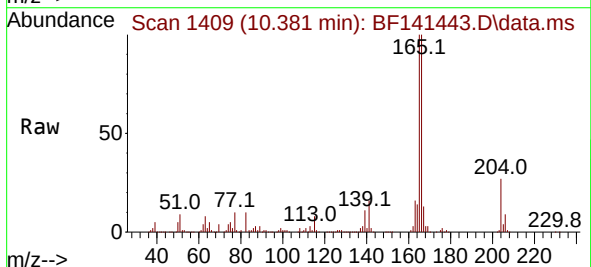
APPROVED

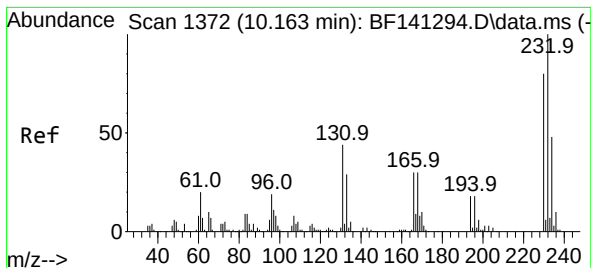
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#58
Fluorene
Concen: 49.478 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

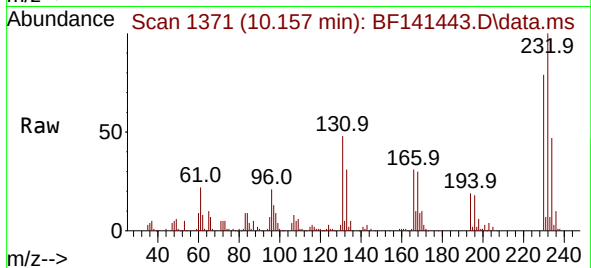
Tgt Ion:166 Resp: 459804
Ion Ratio Lower Upper
166 100
165 99.7 77.5 116.3
167 13.4 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 53.434 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

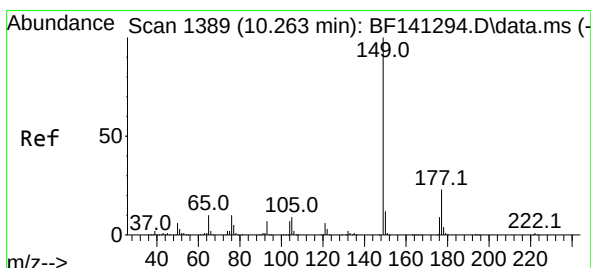
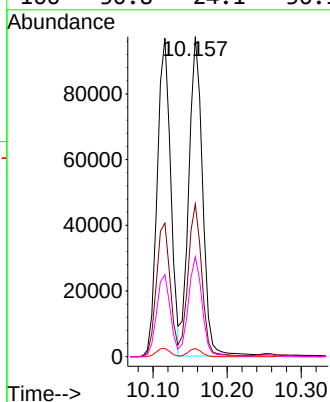
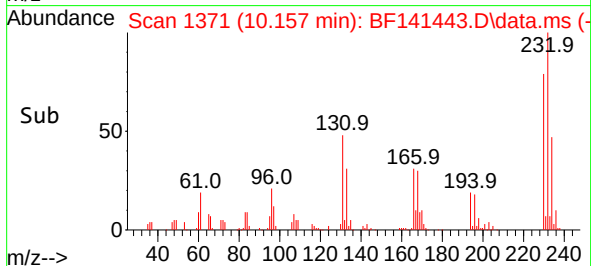
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



Tgt Ion:232 Resp: 12543
Ion Ratio Lower Upper
232 100
131 48.0 36.4 54.6
130 2.5 1.9 2.9
166 30.8 24.1 36.1

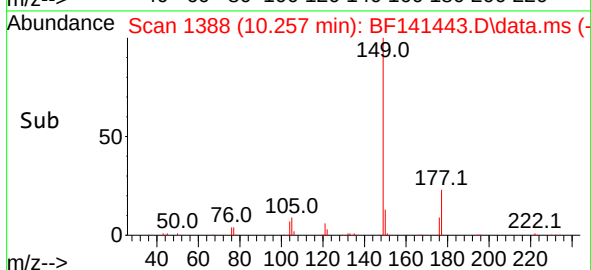
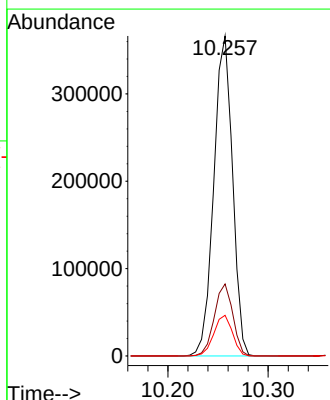
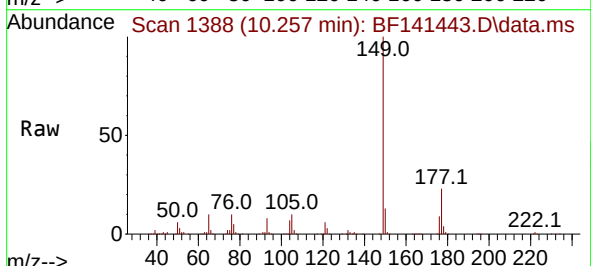
Manual Integrations
APPROVED

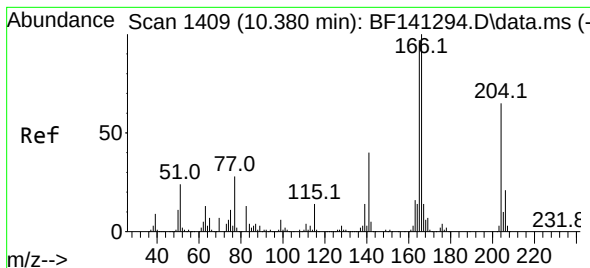
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#60
Diethylphthalate
Concen: 49.239 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Tgt Ion:149 Resp: 474765
Ion Ratio Lower Upper
149 100
177 22.5 18.5 27.7
150 12.7 10.0 15.0





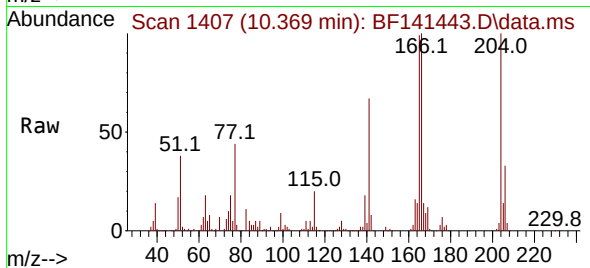
#61
4-Chlorophenyl-phenylether
Concen: 49.199 ng
RT: 10.369 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

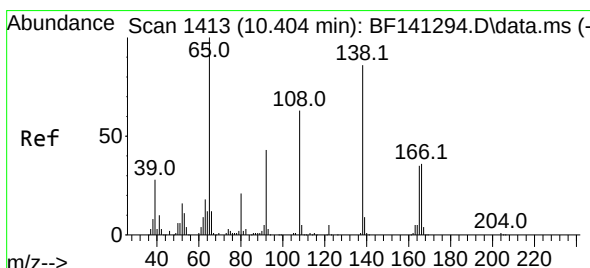
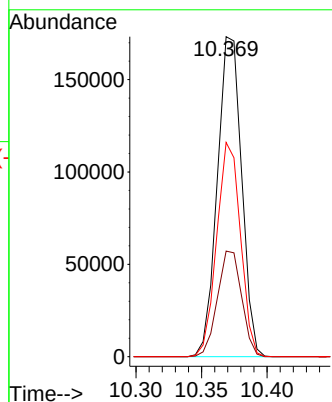
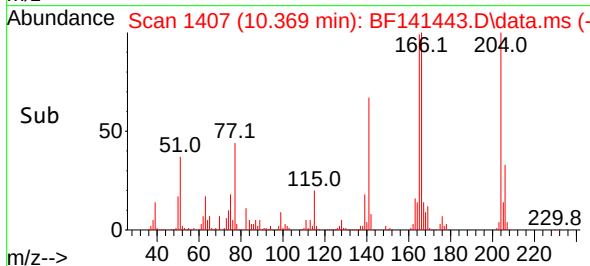


Tgt Ion:204 Resp: 22333
Ion Ratio Lower Upper
204 100
206 33.0 25.9 38.9
141 66.9 49.5 74.3

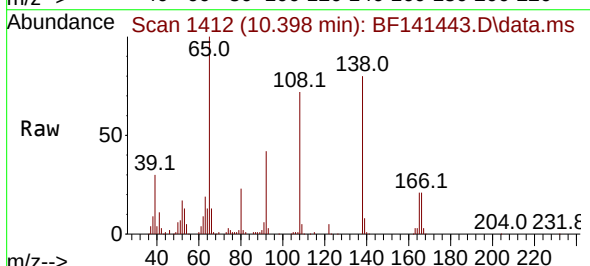
Manual Integrations

APPROVED

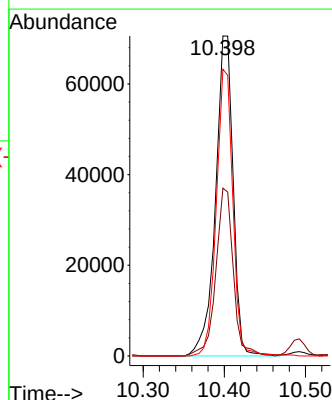
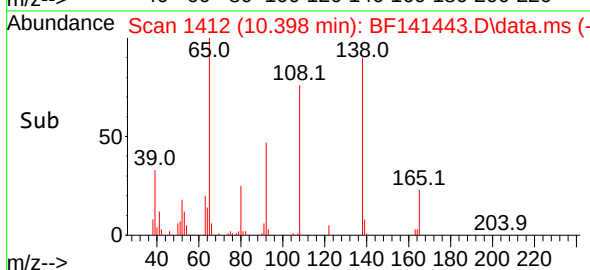
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

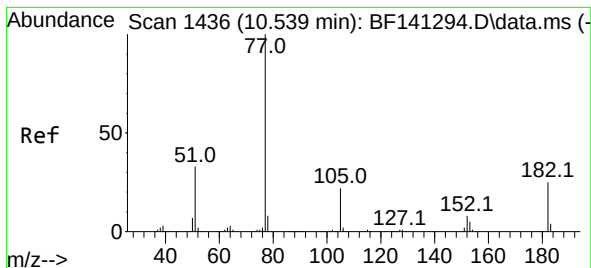


#62
4-Nitroaniline
Concen: 47.972 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



Tgt Ion:138 Resp: 106731
Ion Ratio Lower Upper
138 100
92 52.4 30.1 70.1
108 89.6 53.1 93.1





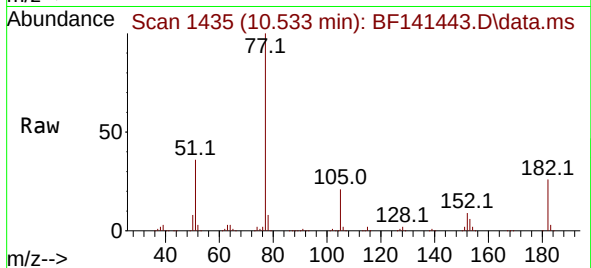
#63
Azobenzene
Concen: 47.878 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD



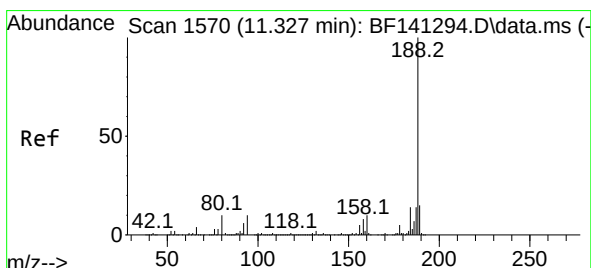
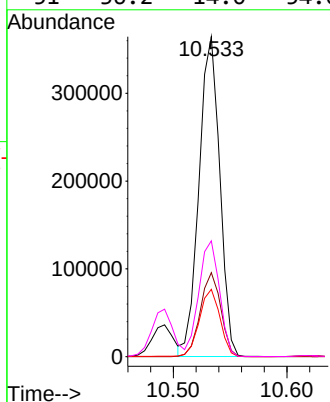
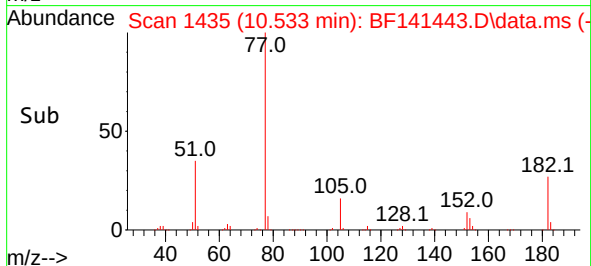
Tgt Ion: 77 Resp: 462094
Ion Ratio Lower Upper
77 100
182 26.3 5.1 45.1
105 21.1 1.8 41.8
51 36.2 14.0 54.0

Manual Integrations

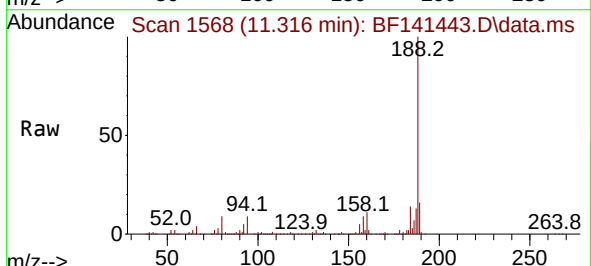
APPROVED

Reviewed By :Yogesh Patel 02/06/2025

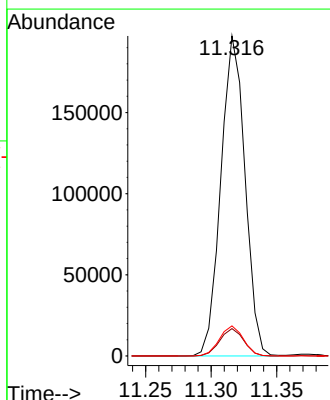
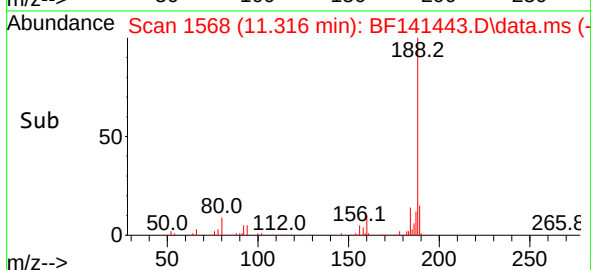
Supervised By :mohammad ahmed 02/06/2025

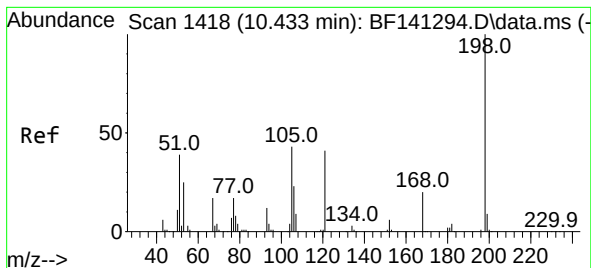


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



Tgt Ion:188 Resp: 252391
Ion Ratio Lower Upper
188 100
94 8.6 7.8 11.6
80 9.4 8.2 12.4





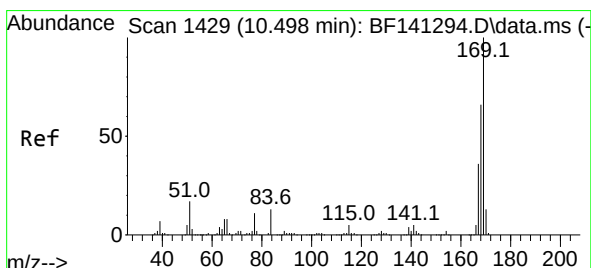
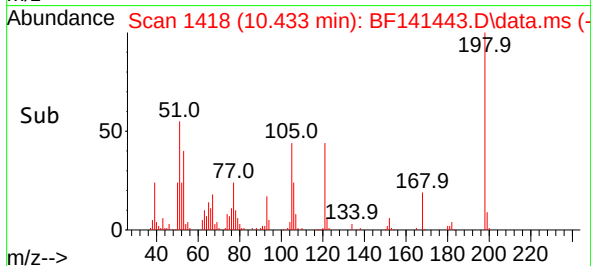
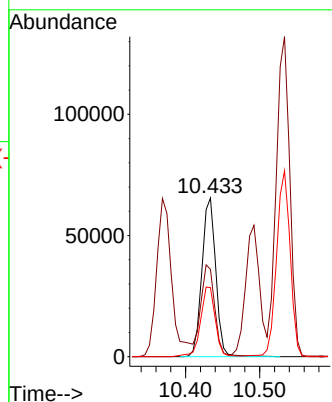
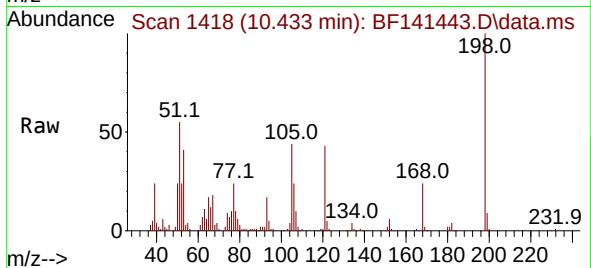
#65
4,6-Dinitro-2-methylphenol
Concen: 56.995 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Tgt Ion:198 Resp: 8508
Ion Ratio Lower Upper
198 100
51 55.0 33.4 73.4
105 43.5 24.4 64.4

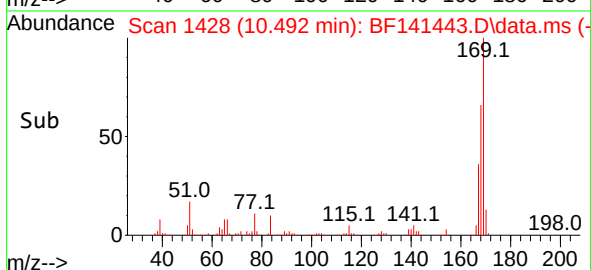
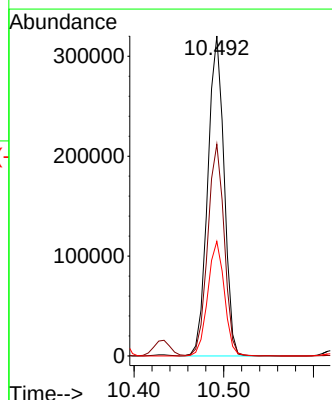
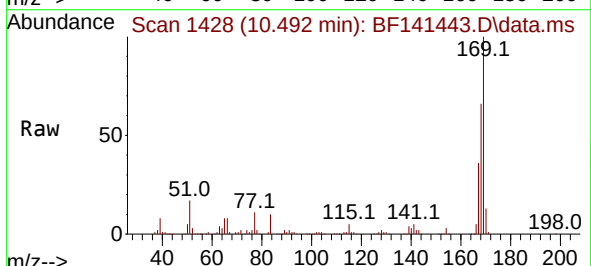
Manual Integrations
APPROVED

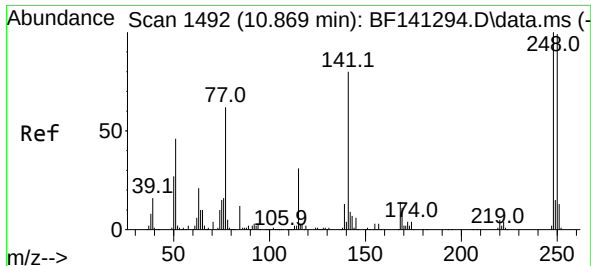
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#66
n-Nitrosodiphenylamine
Concen: 49.620 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

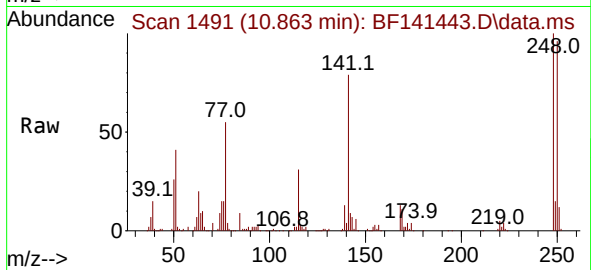
Tgt Ion:169 Resp: 405060
Ion Ratio Lower Upper
169 100
168 66.2 53.0 79.4
167 35.8 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 48.903 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

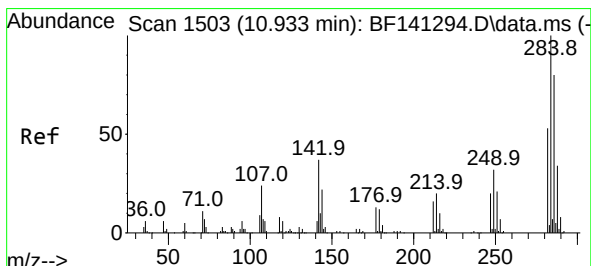
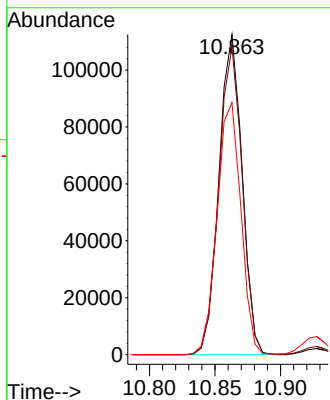
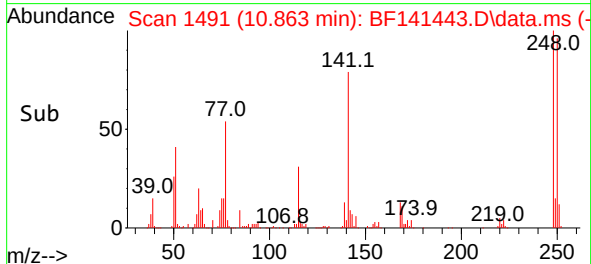
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



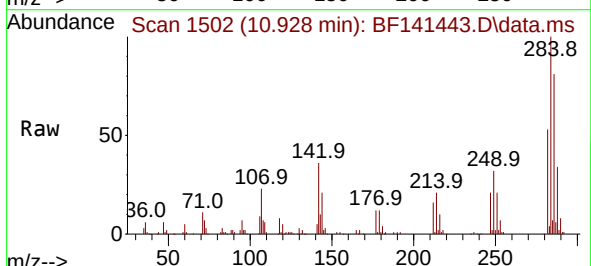
Tgt Ion:248 Resp: 138180
Ion Ratio Lower Upper
248 100
250 96.2 79.0 118.4
141 78.8 63.7 95.5

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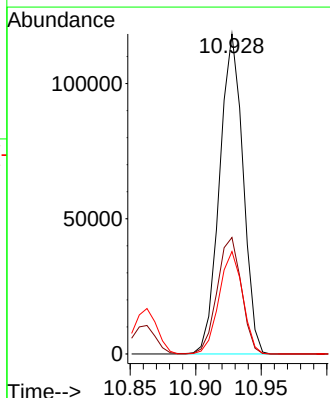
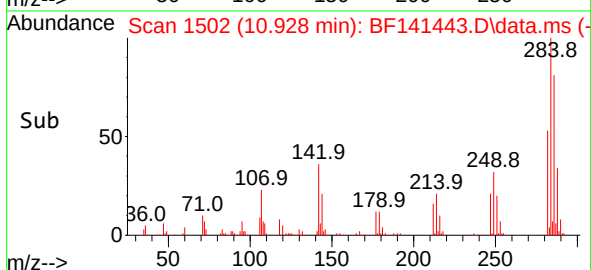
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

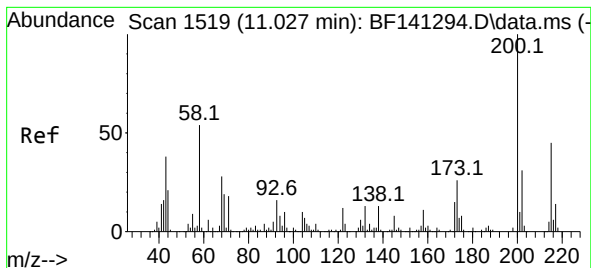


#68
Hexachlorobenzene
Concen: 49.019 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



Tgt Ion:284 Resp: 146924
Ion Ratio Lower Upper
284 100
142 36.4 29.5 44.3
249 32.0 25.4 38.2





#69

Atrazine

Concen: 52.117 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

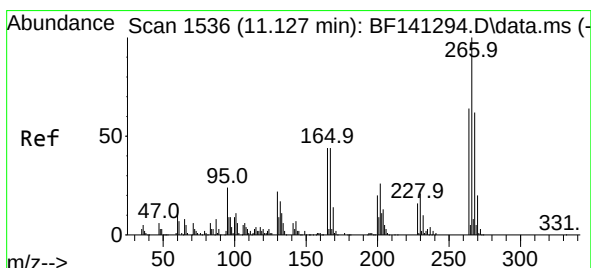
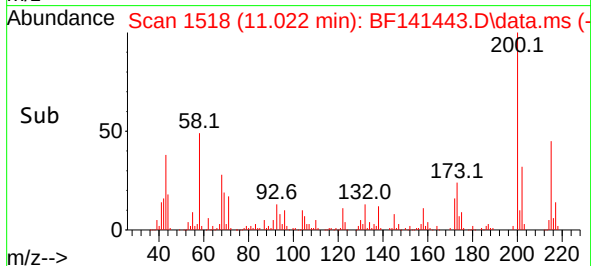
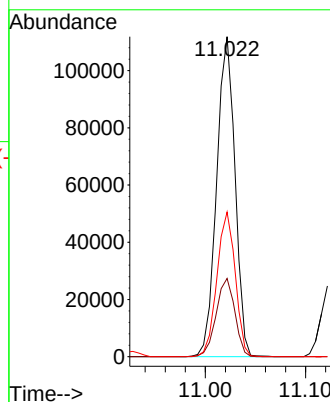
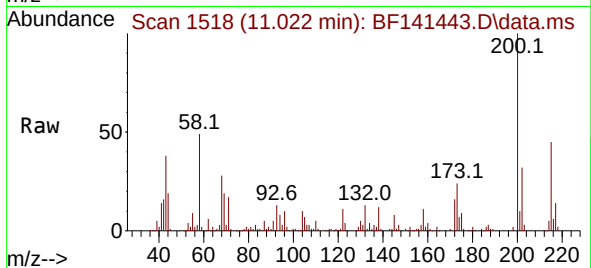
Tgt Ion:200 Resp: 14224
 Ion Ratio Lower Upper
 200 100
 173 24.4 5.9 45.9
 215 45.2 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#70

Pentachlorophenol

Concen: 101.496 ng

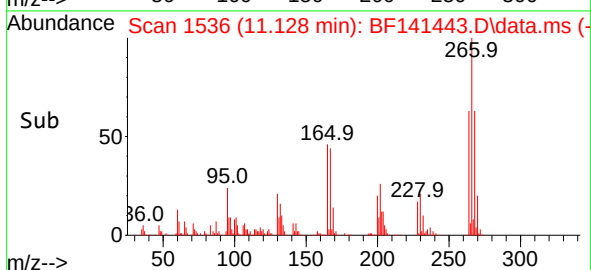
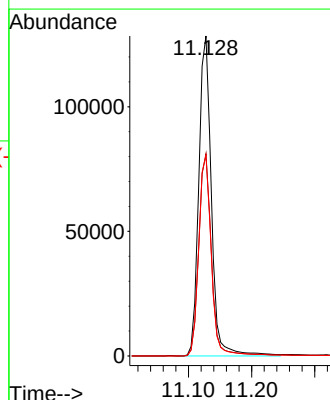
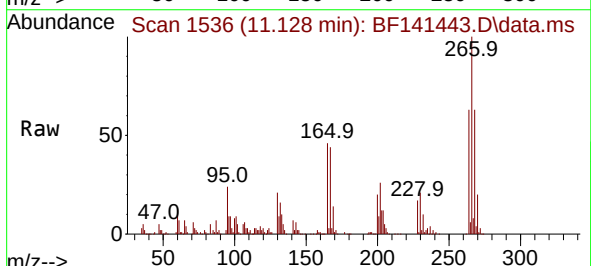
RT: 11.128 min Scan# 1536

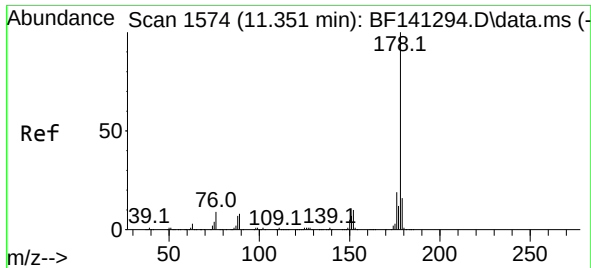
Delta R.T. -0.006 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Tgt Ion:266 Resp: 178140
 Ion Ratio Lower Upper
 266 100
 268 63.1 49.9 74.9
 264 62.8 51.0 76.4





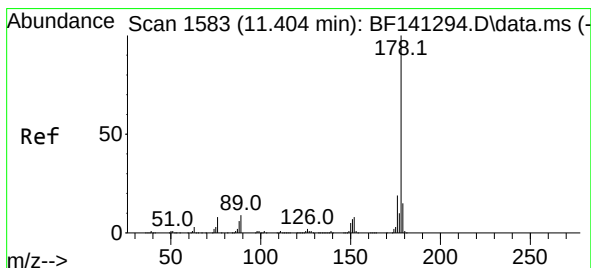
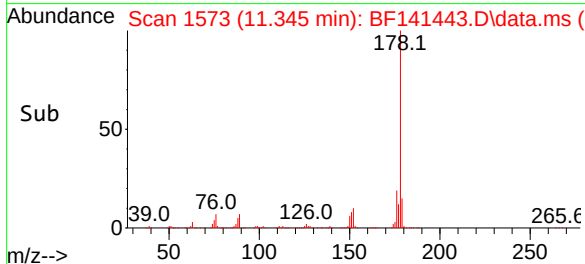
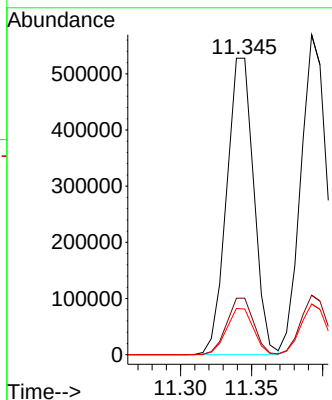
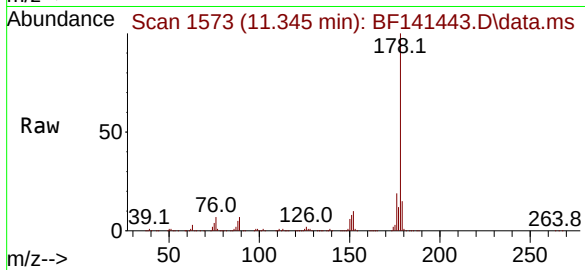
#71
Phenanthrene
Concen: 51.836 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Tgt Ion:178 Resp: 70326
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.4 12.5 18.7

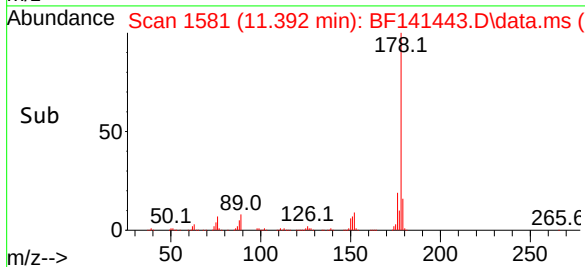
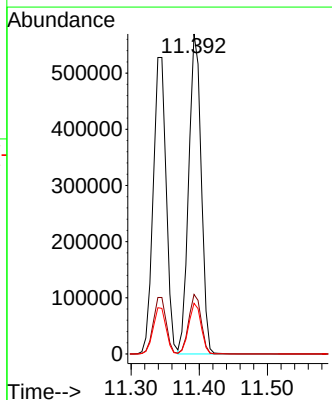
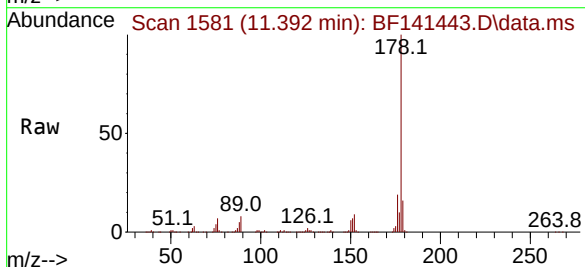
Manual Integrations
APPROVED

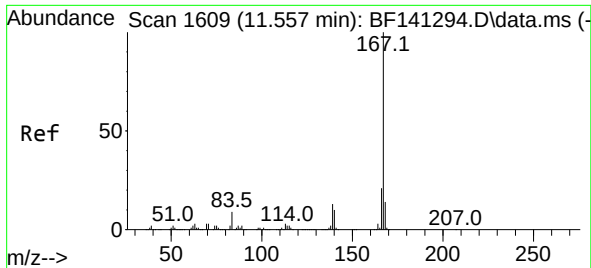
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#72
Anthracene
Concen: 54.065 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

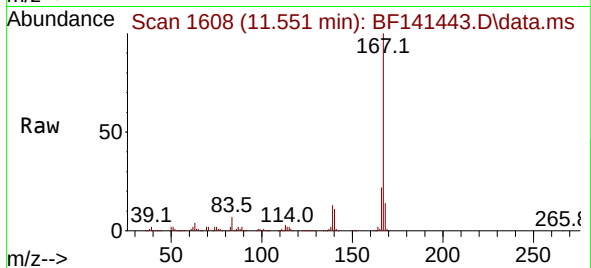
Tgt Ion:178 Resp: 718705
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.8 12.3 18.5





#73
 Carbazole
 Concen: 53.128 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF141443.D
 Acq: 05 Feb 2025 13:31

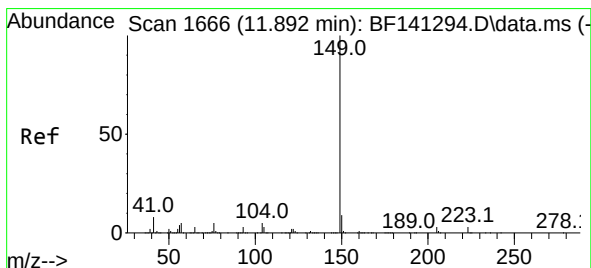
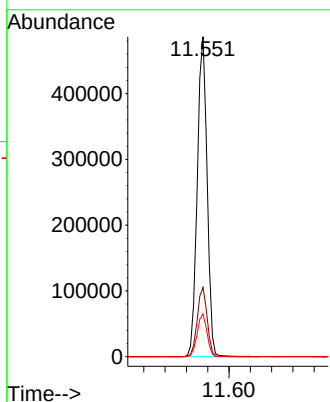
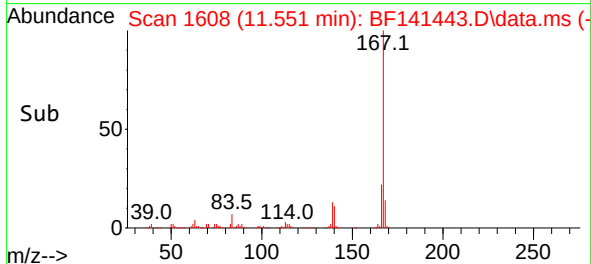
Instrument :
 BNA_F
 ClientSampleId :
 PB166339BSD



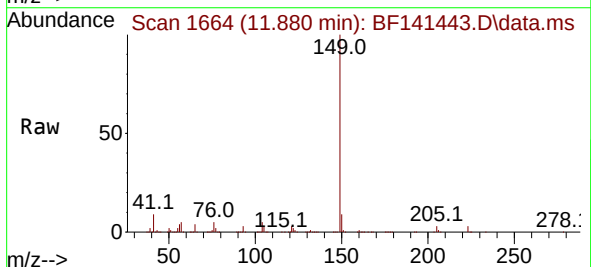
Tgt Ion:167 Resp: 626248
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.6
 139 13.3 10.6 16.0

Manual Integrations
 APPROVED

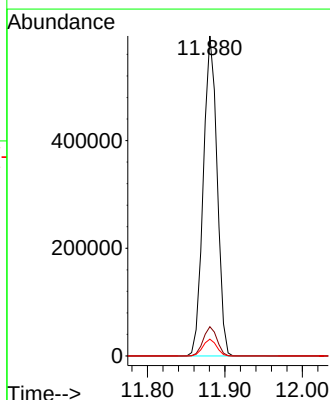
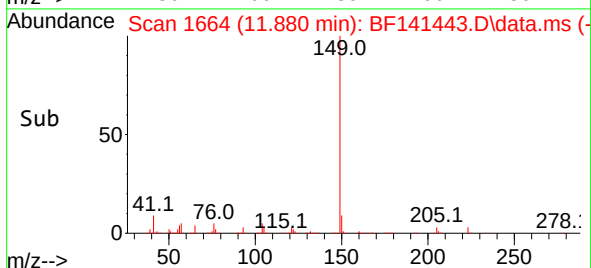
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

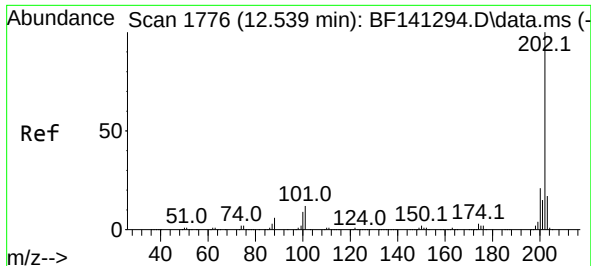


#74
 Di-n-butylphthalate
 Concen: 51.430 ng
 RT: 11.880 min Scan# 1664
 Delta R.T. -0.012 min
 Lab File: BF141443.D
 Acq: 05 Feb 2025 13:31



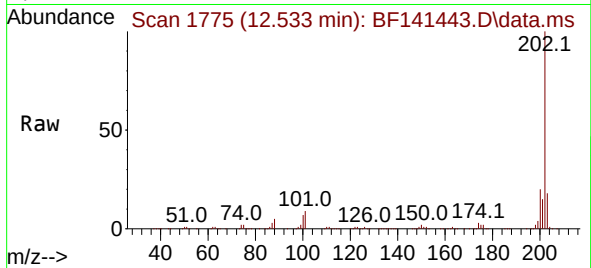
Tgt Ion:149 Resp: 734688
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.2
 104 5.3 3.9 5.9





#75
Fluoranthene
Concen: 55.263 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

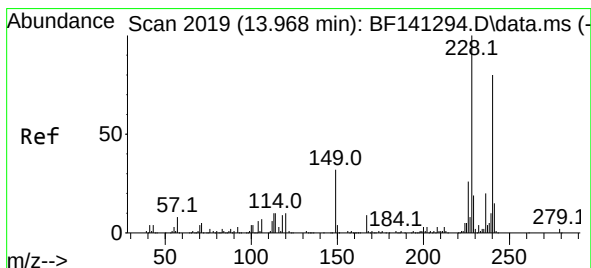
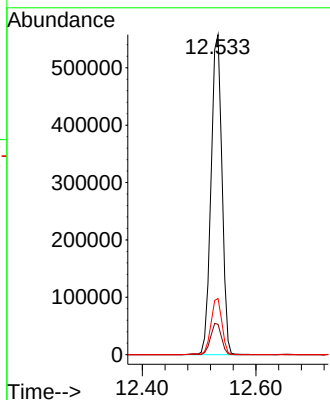
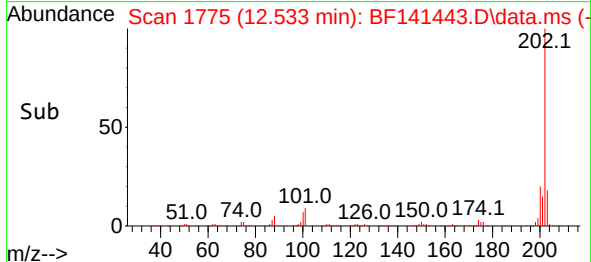
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



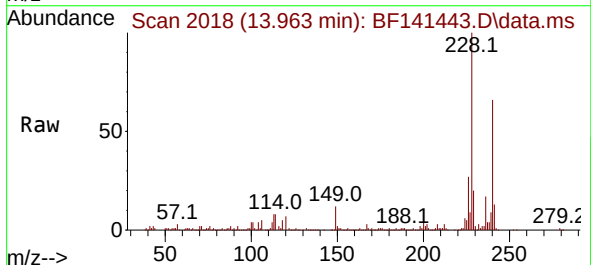
Tgt Ion:202 Resp: 740295
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.7
203 17.6 0.0 37.5

Manual Integrations
APPROVED

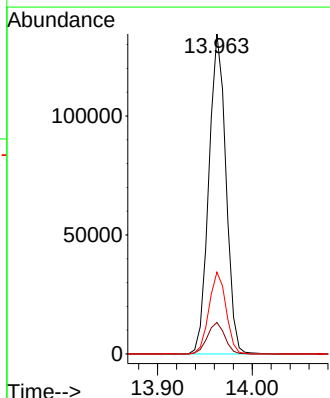
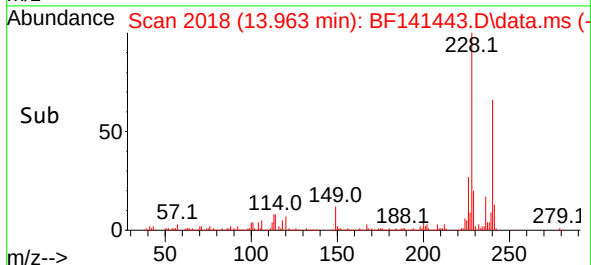
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

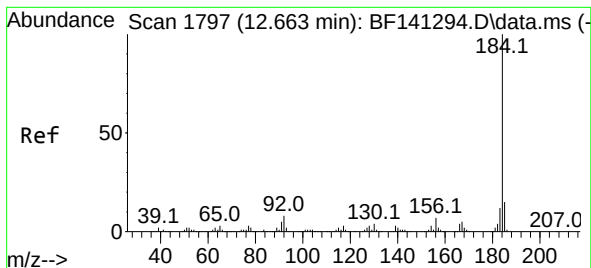


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



Tgt Ion:240 Resp: 168766
Ion Ratio Lower Upper
240 100
120 9.8 10.0 15.0#
236 25.5 19.7 29.5





#77

Benzidine

Concen: 28.169 ng

RT: 12.651 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion:184 Resp: 15240

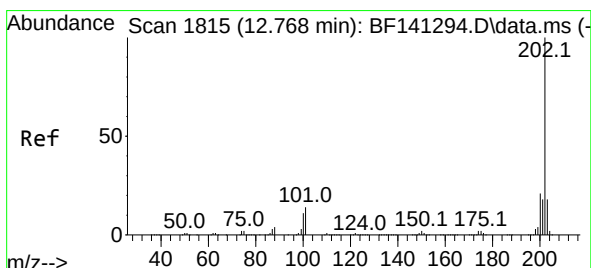
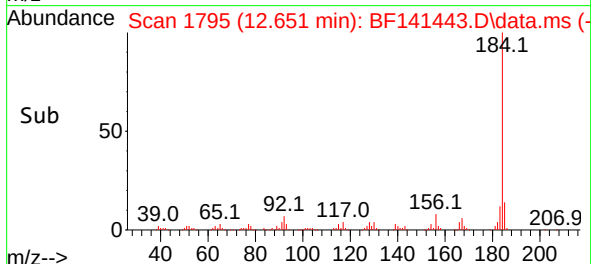
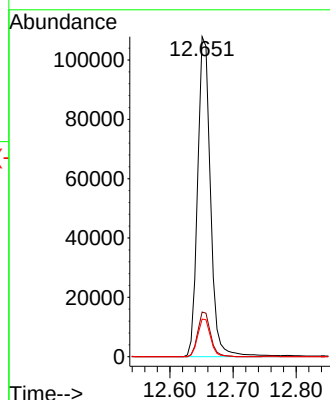
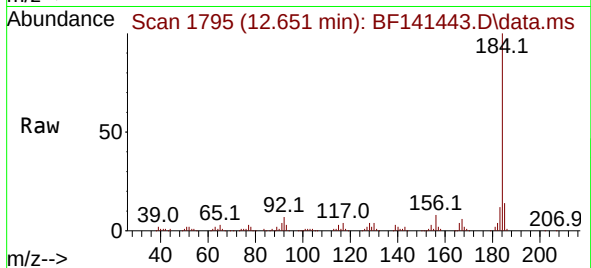
Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.9	17.9
183	11.7	9.5	14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#78

Pyrene

Concen: 46.455 ng

RT: 12.763 min Scan# 1814

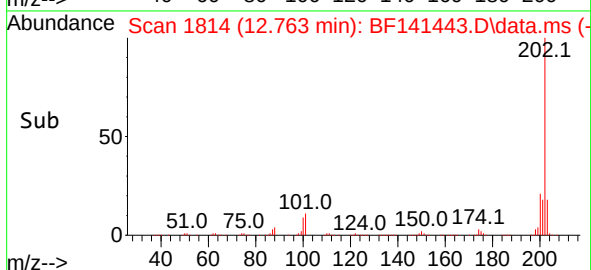
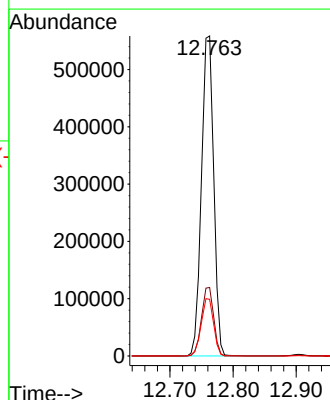
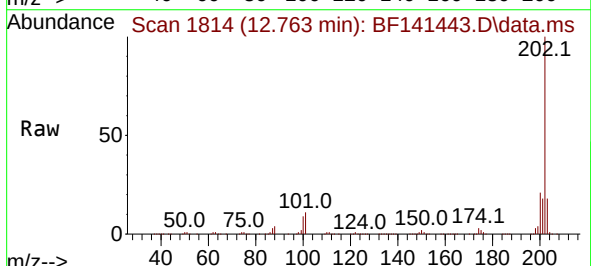
Delta R.T. -0.006 min

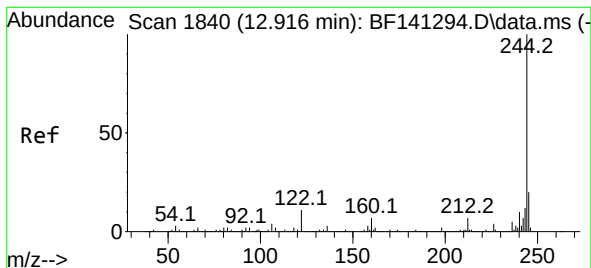
Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Tgt Ion:202 Resp: 752575

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	17.7	14.3	21.5





#79

Terphenyl-d14

Concen: 96.452 ng

RT: 12.904 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion:244 Resp: 1055500

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

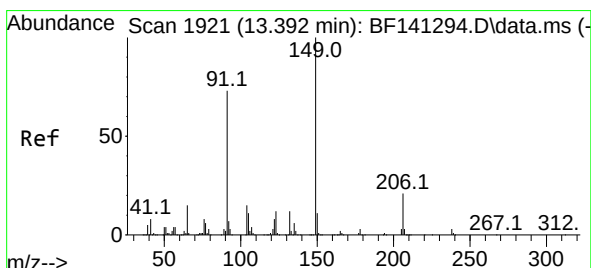
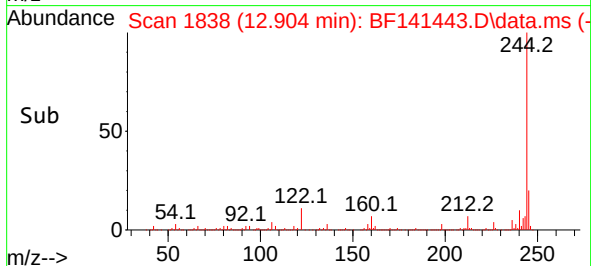
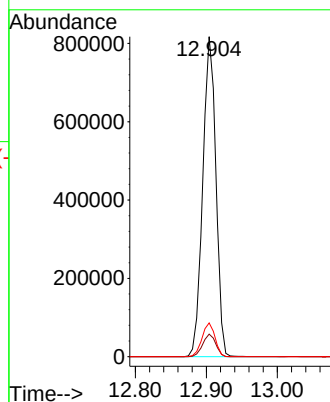
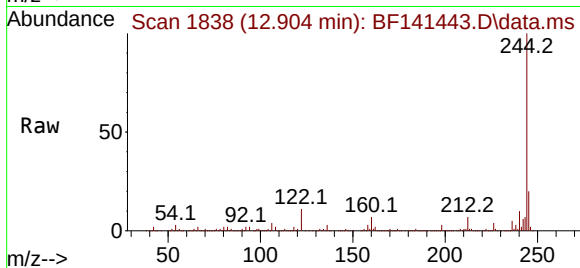
122 10.6 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#80

Butylbenzylphthalate

Concen: 50.487 ng

RT: 13.380 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

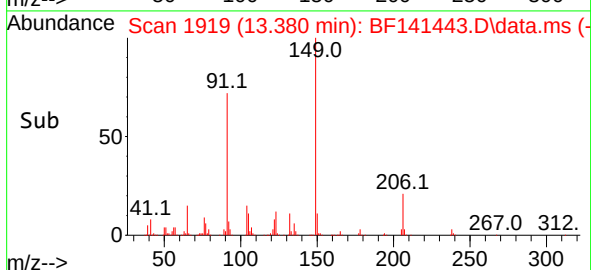
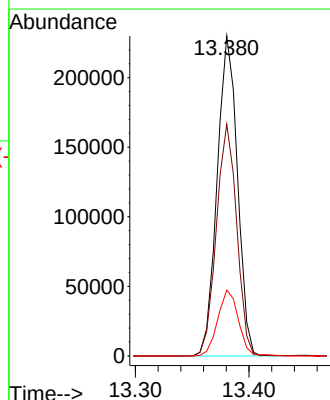
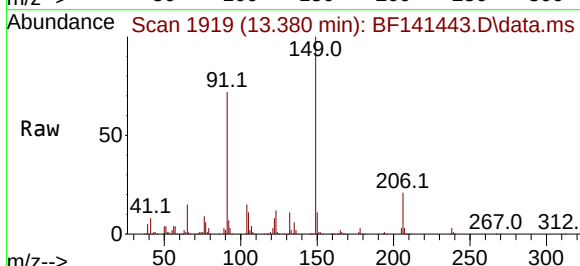
Tgt Ion:149 Resp: 285734

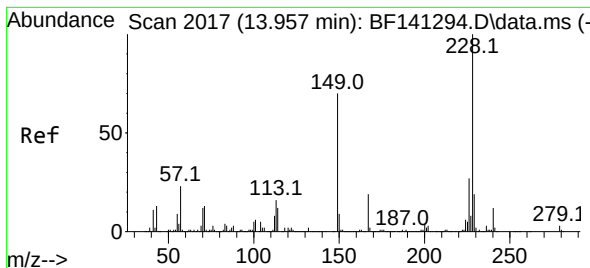
Ion Ratio Lower Upper

149 100

91 72.4 58.6 87.8

206 20.5 16.7 25.1





#81

Benzo(a)anthracene

Concen: 47.170 ng

RT: 13.951 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion:228 Resp: 54933

Ion Ratio Lower Upper

228 100

226 27.1 21.4 32.2

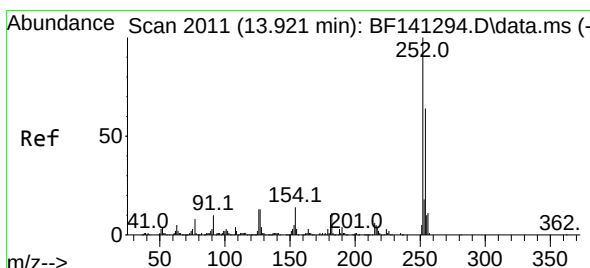
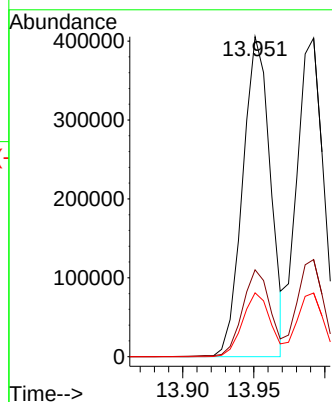
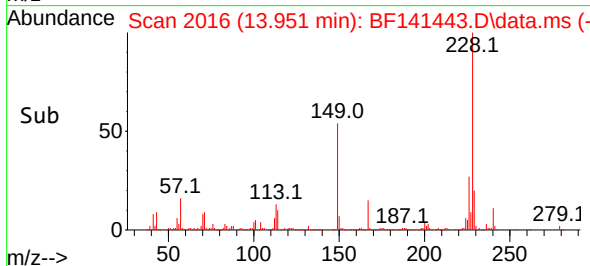
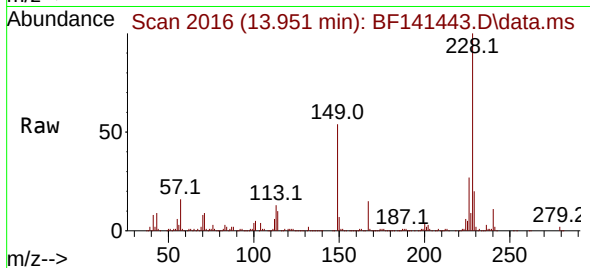
229 19.9 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#82

3,3'-Dichlorobenzidine

Concen: 23.538 ng

RT: 13.916 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

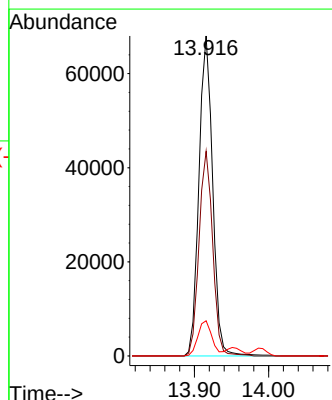
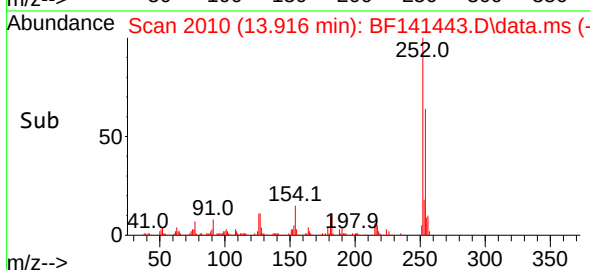
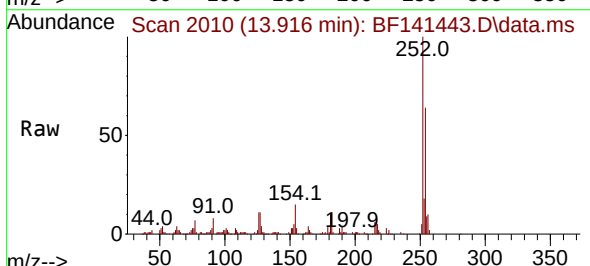
Tgt Ion:252 Resp: 87185

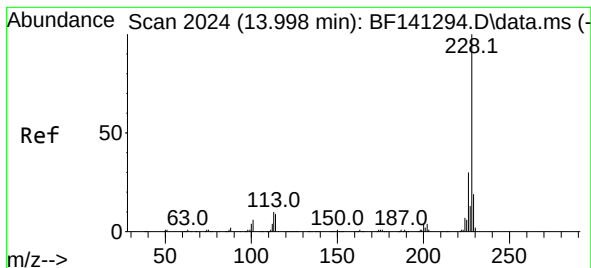
Ion Ratio Lower Upper

252 100

254 64.0 51.3 76.9

126 11.0 10.0 15.0





#83

Chrysene

Concen: 49.241 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion:228 Resp: 525550

Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

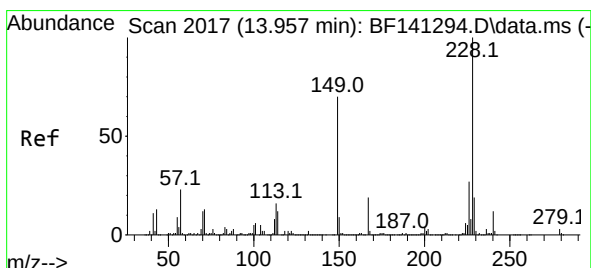
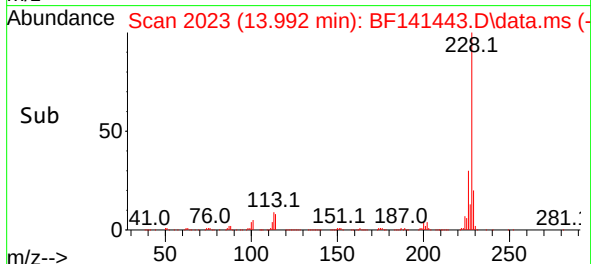
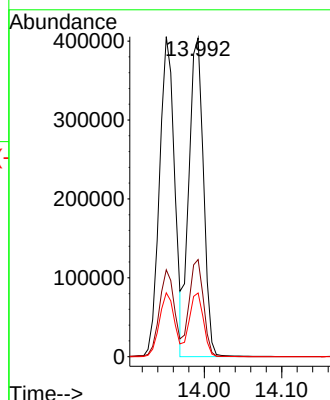
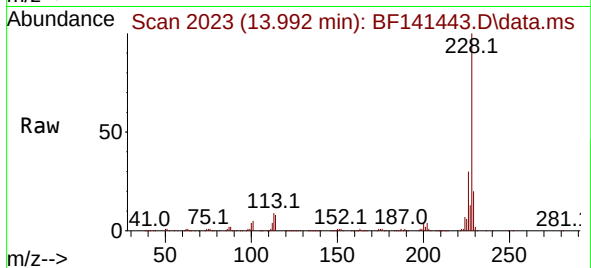
229 20.0 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.053 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

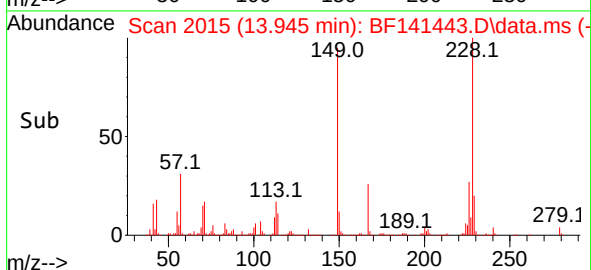
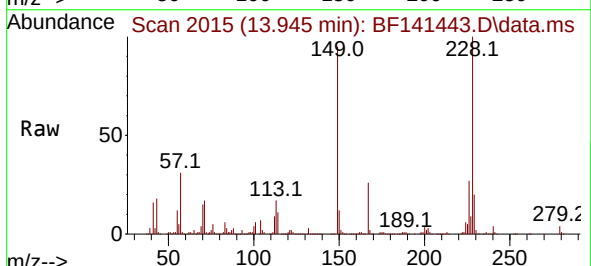
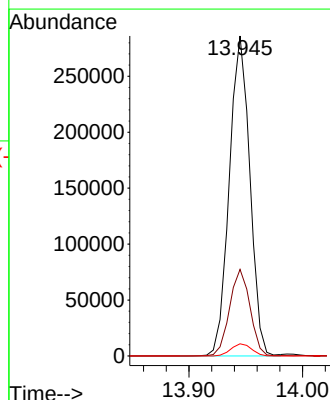
Tgt Ion:149 Resp: 359351

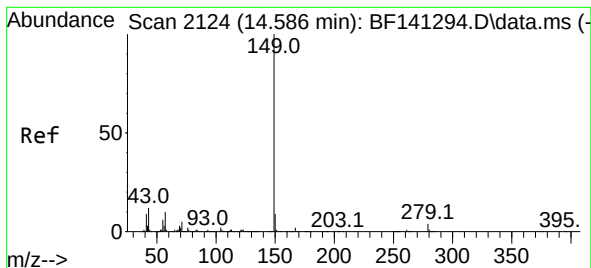
Ion Ratio Lower Upper

149 100

167 27.0 21.8 32.8

279 3.8 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 48.352 ng

RT: 14.574 min Scan# 2124

Delta R.T. -0.012 min

Lab File: BF141443.D

Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB166339BSD

Tgt Ion:149 Resp: 539172

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

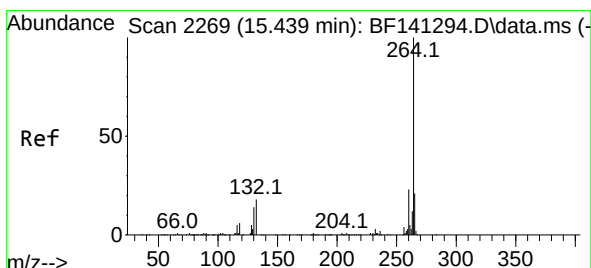
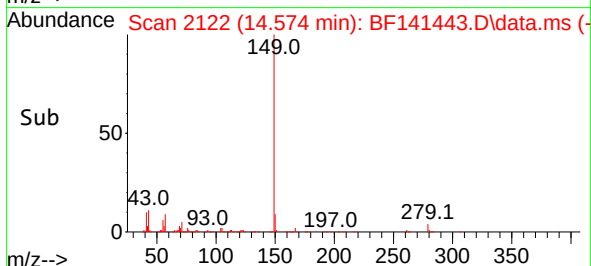
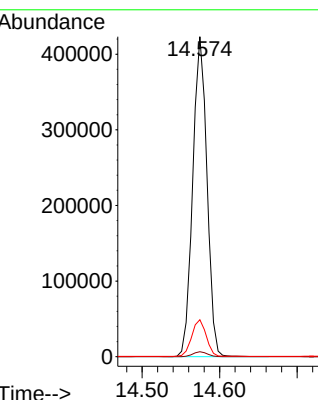
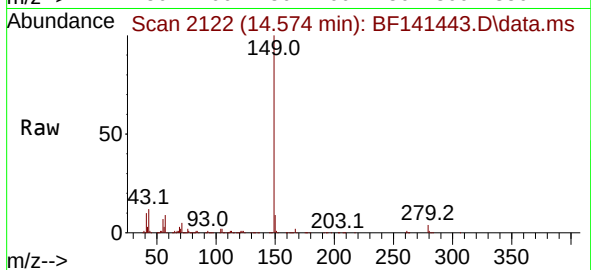
43 11.6 9.8 14.8

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: BF141443.D

Acq: 05 Feb 2025 13:31

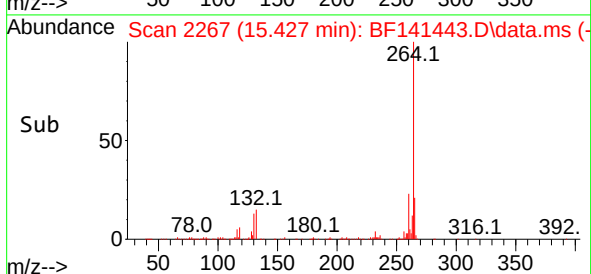
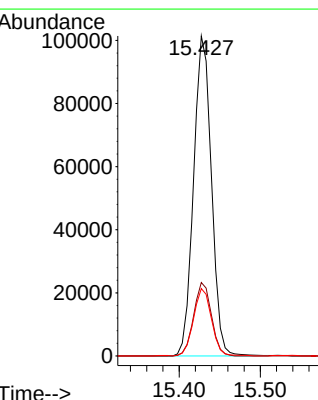
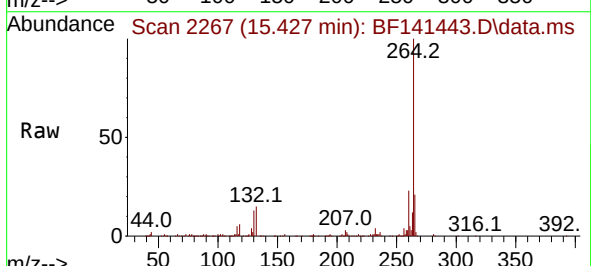
Tgt Ion:264 Resp: 154833

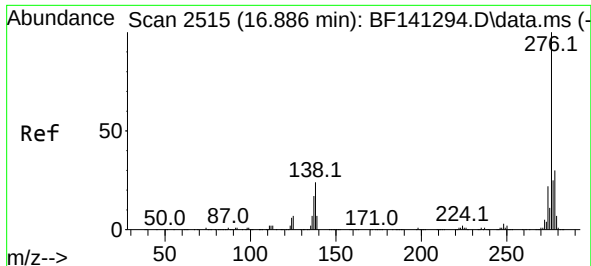
Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

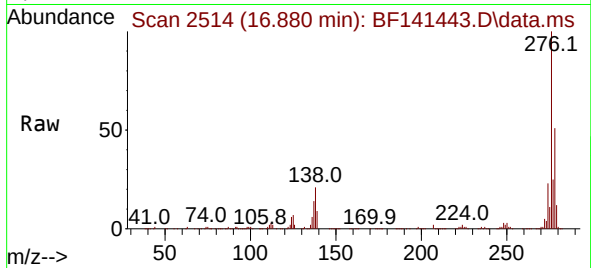
265 21.1 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 50.748 ng
RT: 16.880 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

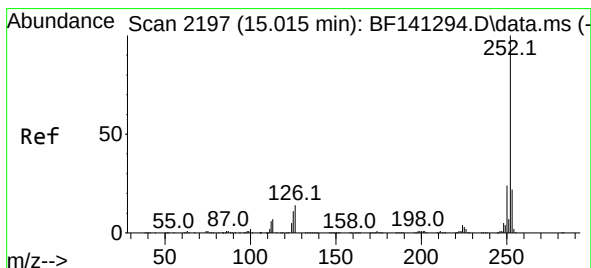
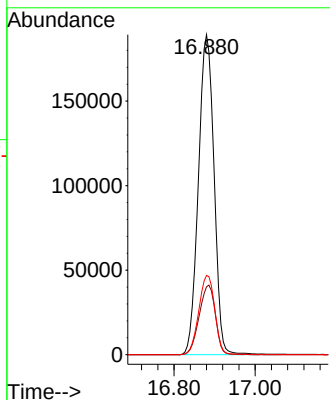
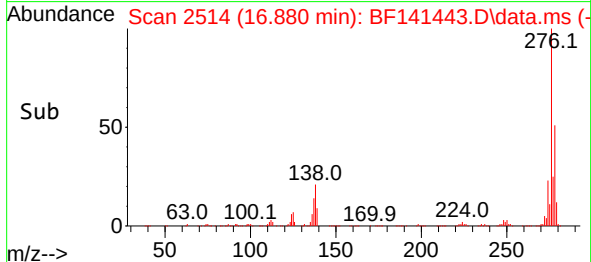
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



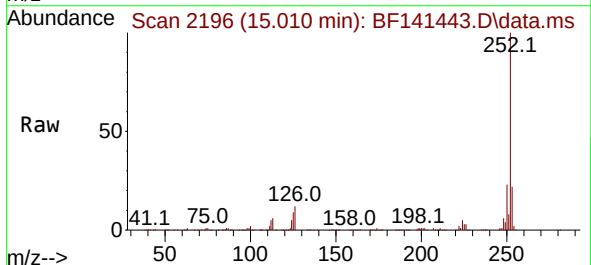
Tgt Ion:276 Resp: 50714
Ion Ratio Lower Upper
276 100
138 22.4 21.7 32.5
277 25.5 20.3 30.5

Manual Integrations
APPROVED

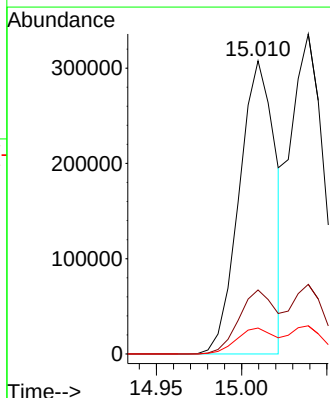
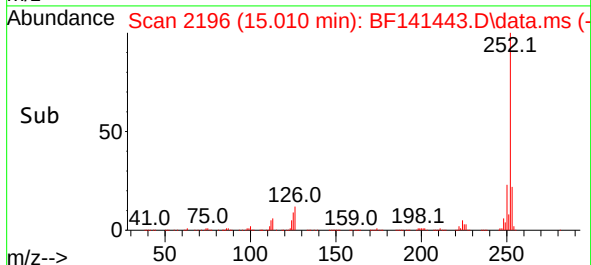
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

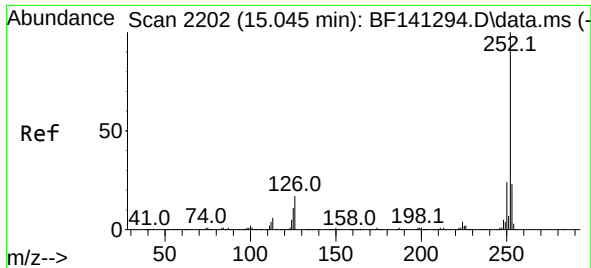


#88
Benzo(b)fluoranthene
Concen: 46.436 ng
RT: 15.010 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



Tgt Ion:252 Resp: 452259
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 8.8 8.6 12.8





#89
Benzo(k)fluoranthene
Concen: 52.723 ng
RT: 15.039 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

Instrument :

BNA_F

ClientSampleId :

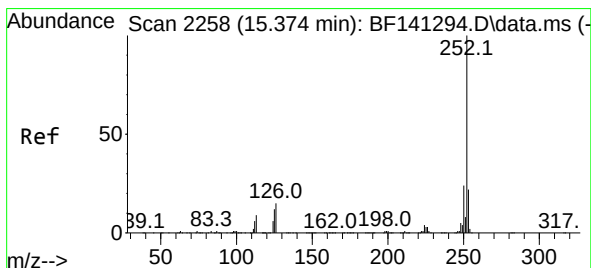
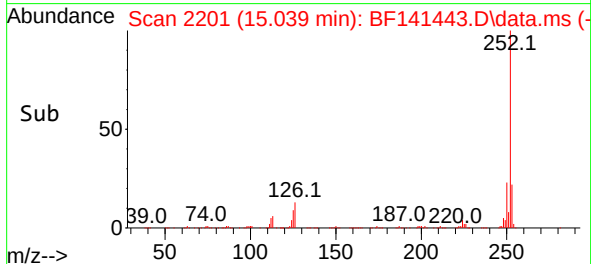
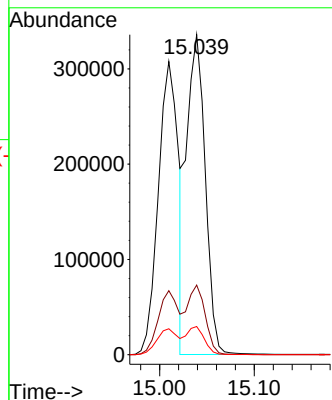
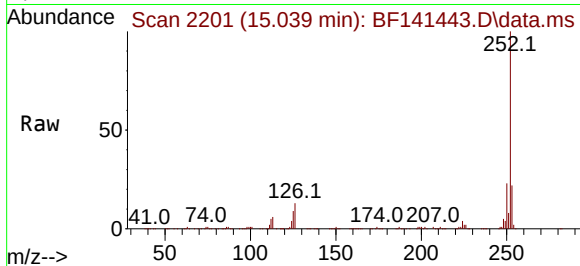
PB166339BSD

Tgt Ion:252 Resp: 45488
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 8.8 8.4 12.6

Manual Integrations

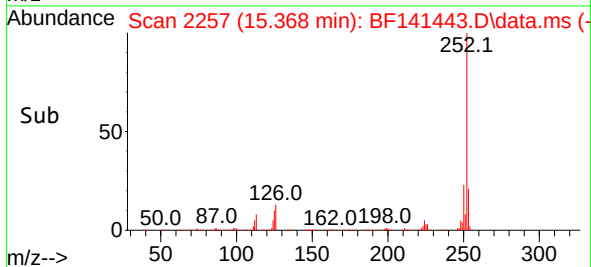
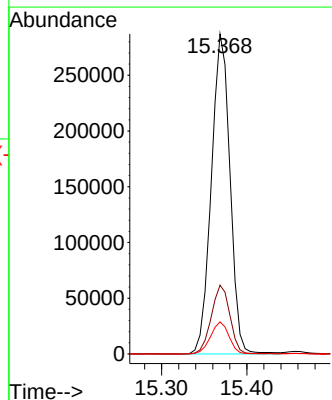
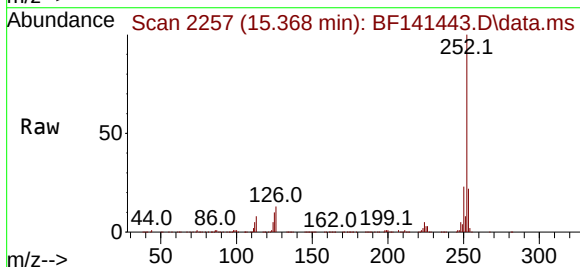
APPROVED

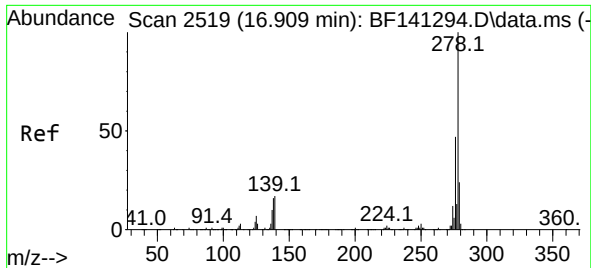
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#90
Benzo(a)pyrene
Concen: 53.074 ng
RT: 15.368 min Scan# 2257
Delta R.T. -0.012 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

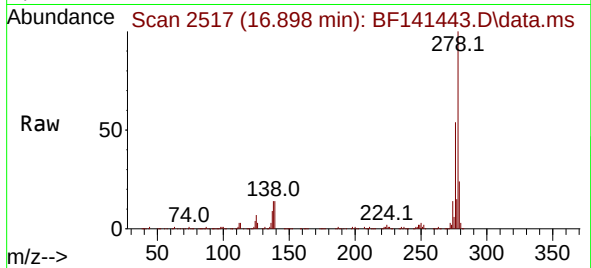
Tgt Ion:252 Resp: 436814
Ion Ratio Lower Upper
252 100
253 21.5 17.2 25.8
125 10.1 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 50.190 ng
RT: 16.898 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31

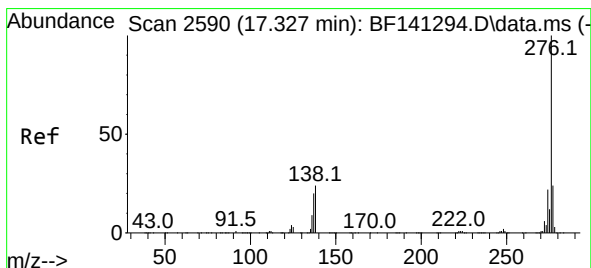
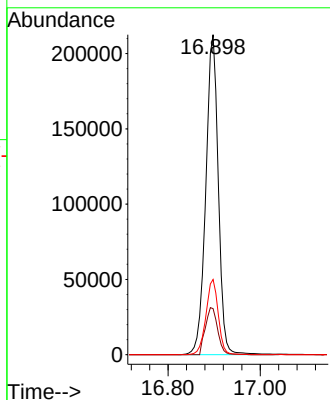
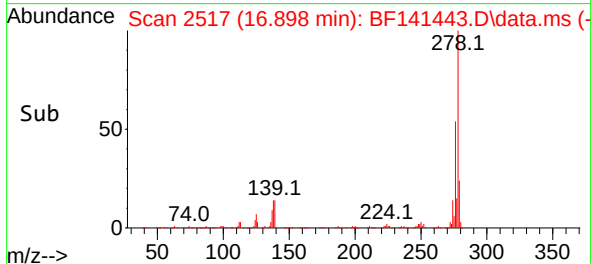
Instrument :
BNA_F
ClientSampleId :
PB166339BSD



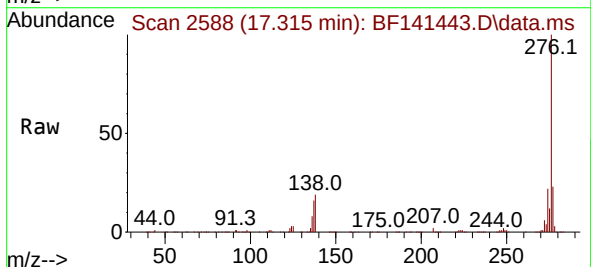
Tgt Ion:278 Resp: 403520
Ion Ratio Lower Upper
278 100
139 14.4 13.9 20.9
279 23.5 18.8 28.2

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 44.995 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.029 min
Lab File: BF141443.D
Acq: 05 Feb 2025 13:31



Tgt Ion:276 Resp: 376155
Ion Ratio Lower Upper
276 100
277 23.1 19.2 28.8
138 19.1 19.0 28.4

