

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081224\
 Data File : BF138954.D
 Acq On : 13 Aug 2024 01:27
 Operator : RC/JU
 Sample : P3543-02MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0019MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/13/2024
 Supervised By :mohammad ahmed 08/13/2024

Quant Time: Aug 13 02:16:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	45273	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	187416	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	109876	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	190369	20.000	ng	0.00
76) Chrysene-d12	14.004	240	94067	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	85424	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	461747	157.440	ng	0.02
7) Phenol-d6	6.498	99	599299	152.197	ng	0.01
23) Nitrobenzene-d5	7.410	82	404292	105.468	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	156081	173.417	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	761545	104.137	ng	0.00
79) Terphenyl-d14	12.945	244	745329	132.659	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.840	88	52419m	40.824	ng	
3) Pyridine	3.569	79	59432	19.107	ng	97
4) n-Nitrosodimethylamine	3.481	42	114642	61.884	ng	85
6) Aniline	6.510	93	62471	17.790	ng	# 1
8) 2-Chlorophenol	6.640	128	186119	60.317	ng	97
9) Benzaldehyde	6.404	77	5008	2.122	ng	88
10) Phenol	6.510	94	231899	55.935	ng	98
11) bis(2-Chloroethyl)ether	6.581	93	176920	55.454	ng	99
12) 1,3-Dichlorobenzene	6.781	146	183037	52.992	ng	97
13) 1,4-Dichlorobenzene	6.857	146	186707	53.563	ng	98
14) 1,2-Dichlorobenzene	7.010	146	178777	54.878	ng	100
15) Benzyl Alcohol	6.998	79	174409	61.454	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.110	45	293910	53.530	ng	# 49
17) 2-Methylphenol	7.110	107	153660	60.306	ng	# 85
18) Hexachloroethane	7.345	117	70371	53.631	ng	96
19) n-Nitroso-di-n-propyla...	7.263	70	148448	62.419	ng	99
20) 3+4-Methylphenols	7.269	107	204924	62.684	ng	# 66
22) Acetophenone	7.257	105	262240	57.147	ng	98
24) Nitrobenzene	7.428	77	218448	56.003	ng	99
25) Isophorone	7.669	82	399222	60.991	ng	99
26) 2-Nitrophenol	7.745	139	102566	61.117	ng	96
27) 2,4-Dimethylphenol	7.787	122	134350	66.911	ng	97
28) bis(2-Chloroethoxy)met...	7.869	93	229370	57.543	ng	99
29) 2,4-Dichlorophenol	7.992	162	162969	63.163	ng	100
30) 1,2,4-Trichlorobenzene	8.063	180	166952	56.070	ng	99
31) Naphthalene	8.145	128	553322	56.089	ng	100
32) Benzoic acid	7.951	122	87202	55.248	ng	92
33) 4-Chloroaniline	8.210	127	26774	8.085	ng	96
34) Hexachlorobutadiene	8.251	225	99110	54.955	ng	99
35) Caprolactam	8.598	113	38585m	50.118	ng	
36) 4-Chloro-3-methylphenol	8.698	107	190816	64.712	ng	99
37) 2-Methylnaphthalene	8.834	142	375300	60.238	ng	99
38) 1-Methylnaphthalene	8.934	142	347271	56.882	ng	99
40) 1,2,4,5-Tetrachloroben...	8.998	216	158988	52.089	ng	99
41) Hexachlorocyclopentadiene	8.981	237	115768	137.787	ng	98
43) 2,4,6-Trichlorophenol	9.122	196	111222	59.765	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.175	196	120505	59.233	ng	99
46) 1,1'-Biphenyl	9.298	154	454365	52.800	ng	99
47) 2-Chloronaphthalene	9.328	162	353903	55.297	ng	99
48) 2-Nitroaniline	9.434	65	125781	57.972	ng	99
49) Acenaphthylene	9.739	152	567995	62.574	ng	99
50) Dimethylphthalate	9.604	163	470585	66.981	ng	100
51) 2,6-Dinitrotoluene	9.675	165	94880	59.840	ng	91
52) Acenaphthene	9.910	154	351784	57.652	ng	99
53) 3-Nitroaniline	9.845	138	19149	11.683	ng	94
54) 2,4-Dinitrophenol	9.963	184	104003	142.493	ng	90
55) Dibenzofuran	10.086	168	514953	59.785	ng	99
56) 4-Nitrophenol	10.034	139	83497	84.710	ng	92
57) 2,4-Dinitrotoluene	10.081	165	131287	64.900	ng	# 81
58) Fluorene	10.428	166	424195	61.844	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.210	232	103166	66.329	ng	95
60) Diethylphthalate	10.298	149	437130	65.620	ng	100
61) 4-Chlorophenyl-phenyle...	10.416	204	208814	61.899	ng	98
62) 4-Nitroaniline	10.463	138	75690m	48.592	ng	
63) Azobenzene	10.575	77	452980	61.311	ng	97
65) 4,6-Dinitro-2-methylph...	10.492	198	77044	66.336	ng	94
66) n-Nitrosodiphenylamine	10.539	169	334399	56.197	ng	99
67) 4-Bromophenyl-phenylether	10.904	248	122711	59.537	ng	97
68) Hexachlorobenzene	10.975	284	123796	58.172	ng	99
69) Atrazine	11.063	200	71673	46.685	ng	98
70) Pentachlorophenol	11.181	266	109036	113.671	ng	98
71) Phenanthrene	11.392	178	599467	61.155	ng	100
72) Anthracene	11.445	178	613883	63.570	ng	99
73) Carbazole	11.598	167	461837	55.433	ng	99
74) Di-n-butylphthalate	11.916	149	671299	71.675	ng	99
75) Fluoranthene	12.575	202	556279	60.787	ng	99
77) Benzidine	12.716	184	7741	3.441	ng	# 88
78) Pyrene	12.804	202	547770	61.848	ng	100
80) Butylbenzylphthalate	13.410	149	205666	72.516	ng	98
81) Benzo(a)anthracene	13.992	228	382614	59.067	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	12990	7.836	ng	99
83) Chrysene	14.027	228	352019	60.235	ng	98
84) Bis(2-ethylhexyl)phtha...	13.963	149	258684	62.287	ng	98
85) Di-n-octyl phthalate	14.574	149	397757	51.765	ng	99
87) Indeno(1,2,3-cd)pyrene	16.945	276	305142	49.845	ng	97
88) Benzo(b)fluoranthene	15.039	252	352043	66.480	ng	98
89) Benzo(k)fluoranthene	15.069	252	276550	60.318	ng	98
90) Benzo(a)pyrene	15.404	252	288727	64.821	ng	99
91) Dibenzo(a,h)anthracene	16.951	278	253833	50.512	ng	97
92) Benzo(g,h,i)perylene	17.386	276	217029	41.619	ng	97

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



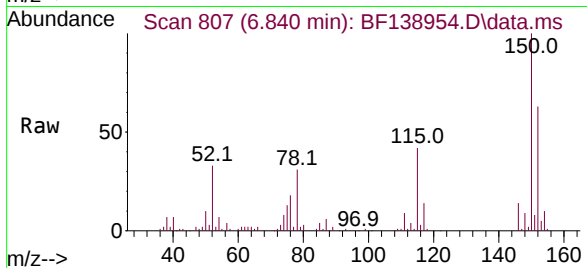
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Instrument :

BNA_F

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ARS20-0019MSD

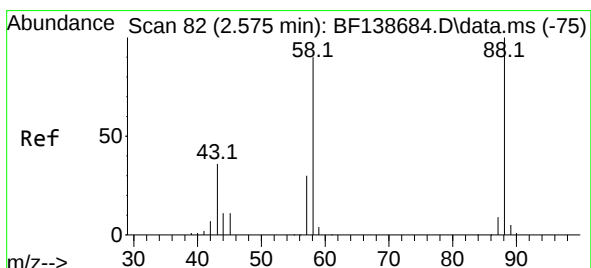
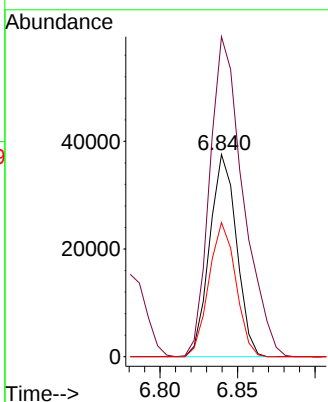
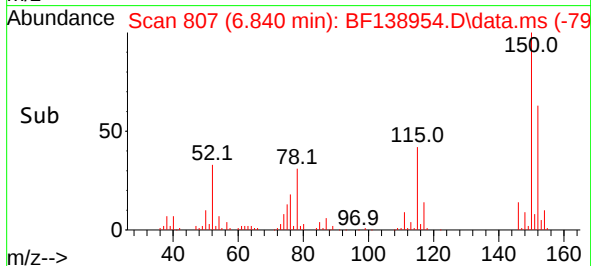


Tgt Ion:152 Resp: 4527
Ion Ratio Lower Upper
152 100
150 158.3 126.0 189.0
115 66.3 51.7 77.5

Manual Integrations

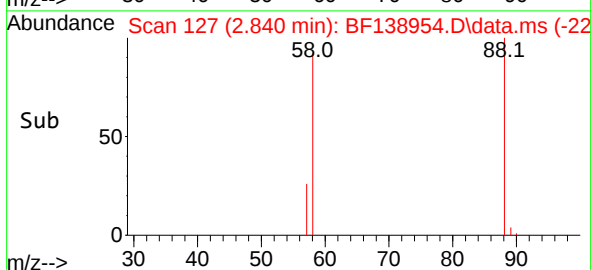
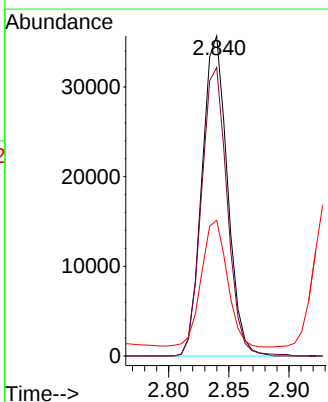
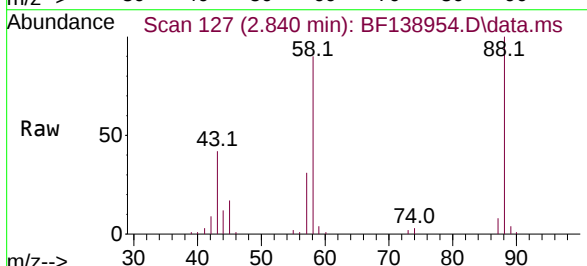
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Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#2
1,4-Dioxane
Concen: 40.824 ng m
RT: 2.840 min Scan# 127
Delta R.T. 0.265 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Tgt Ion: 88 Resp: 52419
Ion Ratio Lower Upper
88 100
58 86.0 71.6 107.4
43 0.0 28.7 43.1#





#3

Pyridine

Concen: 19.107 ng

RT: 3.569 min Scan# 211

Delta R.T. 0.235 min

Lab File: BF138954.D

Acq: 13 Aug 2024 01:27

Instrument :

BNA_F

ClientSampleId :

ARS20-0019MSD

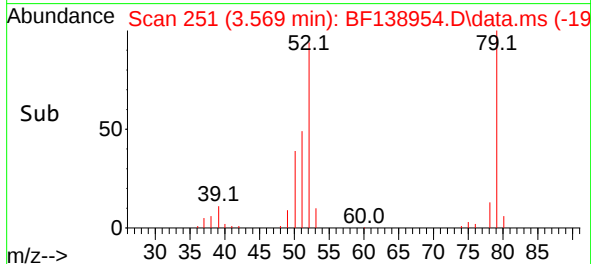
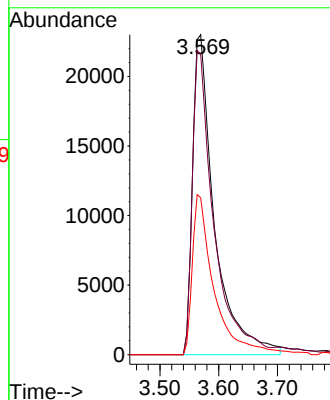
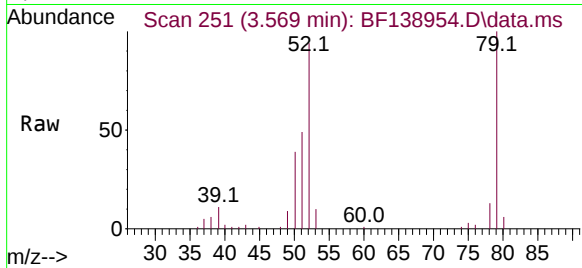
Tgt Ion: 79	Resp: 5943
Ion Ratio	Lower Upper
79 100	
52 93.9	74.7 112.1
51 49.1	34.6 51.8

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 61.884 ng

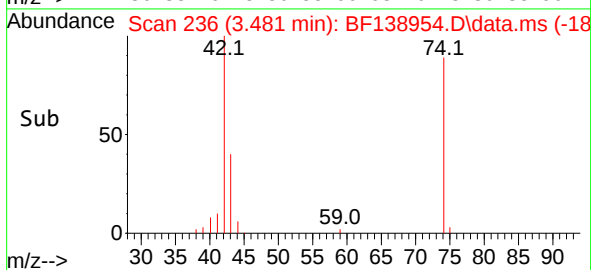
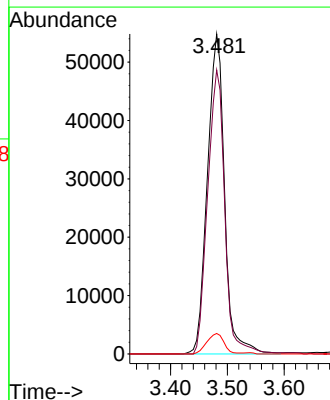
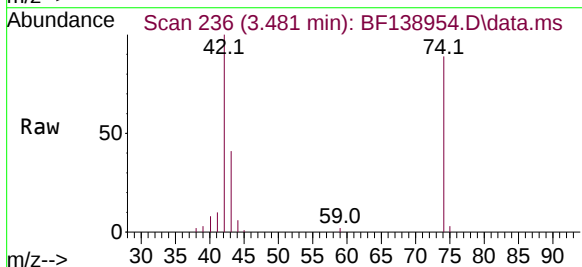
RT: 3.481 min Scan# 236

Delta R.T. 0.194 min

Lab File: BF138954.D

Acq: 13 Aug 2024 01:27

Tgt Ion: 42	Resp: 114642
Ion Ratio	Lower Upper
42 100	
74 88.7	84.2 126.4
44 6.4	4.9 7.3





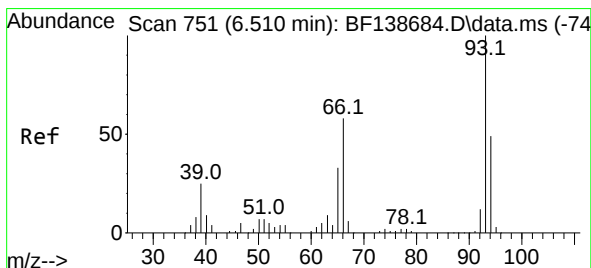
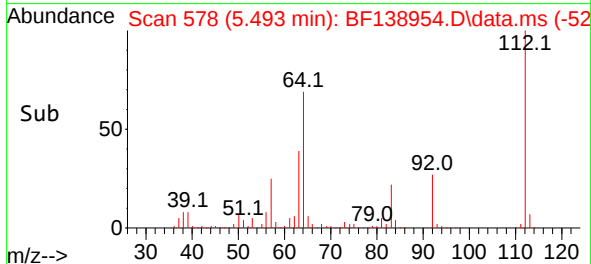
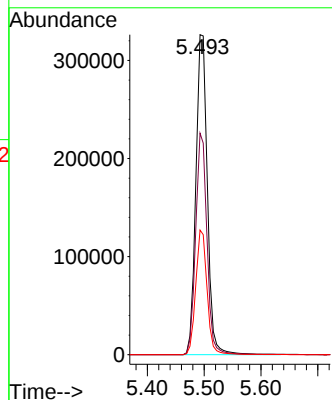
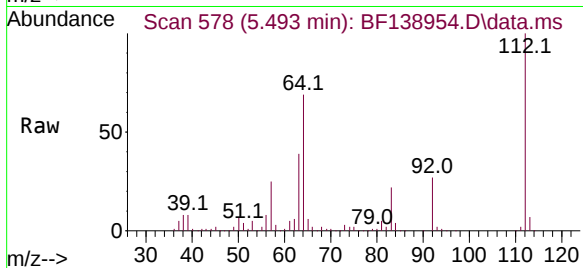
#5
2-Fluorophenol
Concen: 157.440 ng
RT: 5.493 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD

Tgt Ion:112 Resp: 46174
Ion Ratio Lower Upper
112 100
64 69.2 54.2 81.4
63 39.0 28.7 43.1

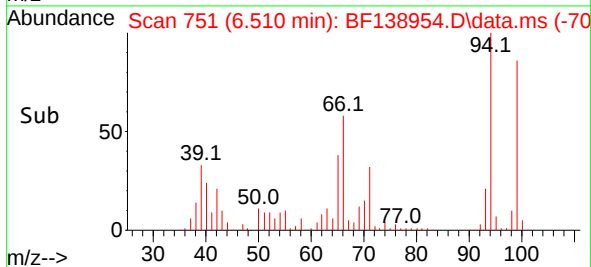
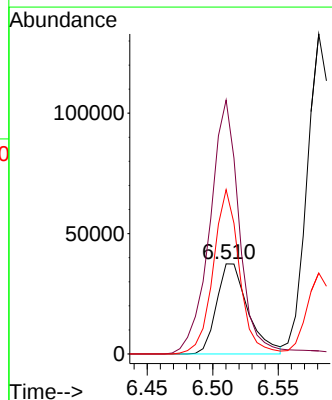
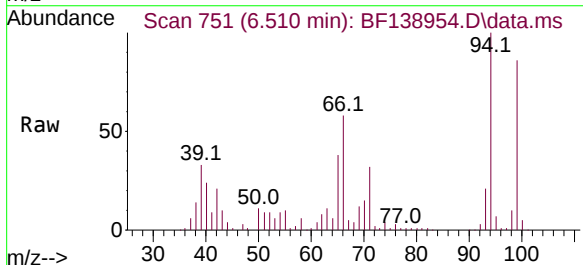
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#6
Aniline
Concen: 17.790 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

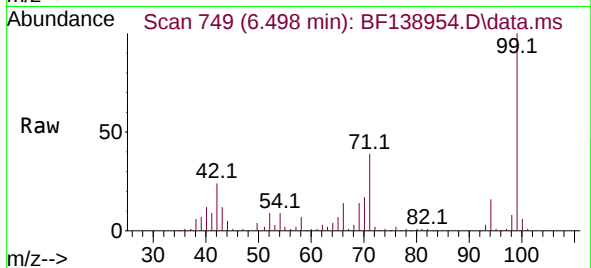
Tgt Ion: 93 Resp: 62471
Ion Ratio Lower Upper
93 100
66 282.0 46.9 70.3#
65 182.5 26.5 39.7#





#7
Phenol-d6
Concen: 152.197 ng
RT: 6.498 min Scan# 749
Delta R.T. 0.012 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

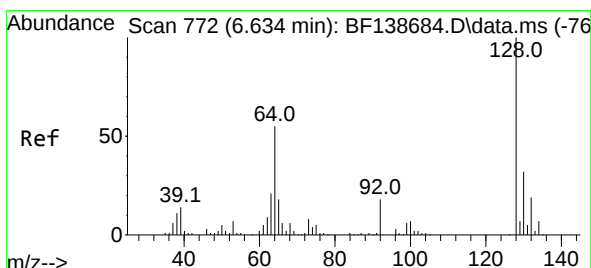
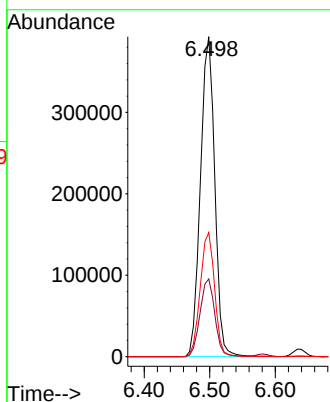
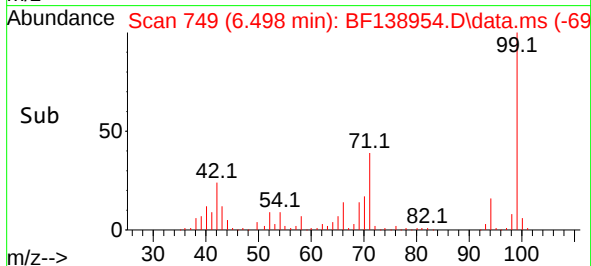
Instrument :
BNA_F
ClientSampleId :
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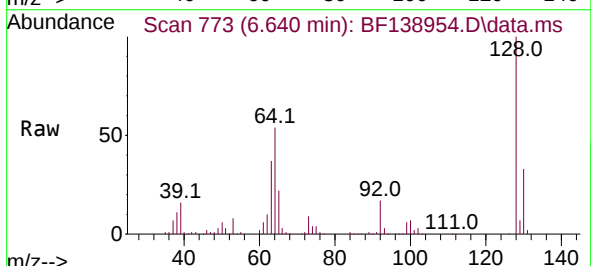
Tgt Ion: 99 Resp: 599299
Ion Ratio Lower Upper
99 100
42 24.3 17.4 26.0
71 38.8 28.1 42.1

Manual Integrations
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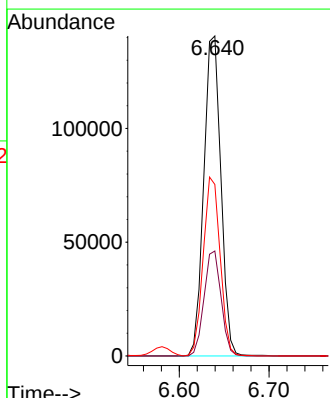
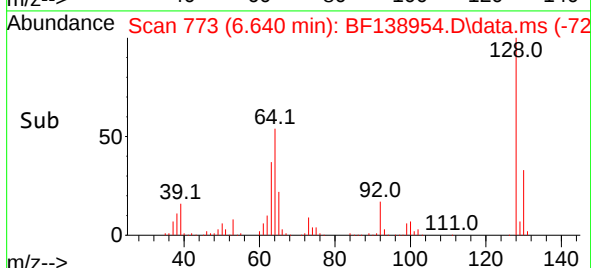
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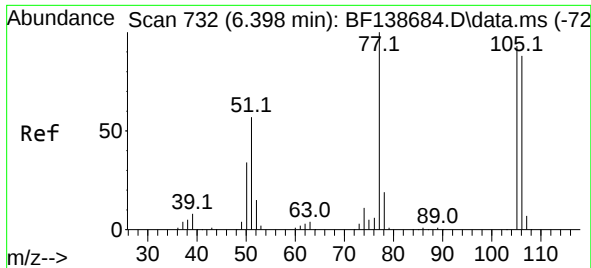


#8
2-Chlorophenol
Concen: 60.317 ng
RT: 6.640 min Scan# 773
Delta R.T. 0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27



Tgt Ion:128 Resp: 186119
Ion Ratio Lower Upper
128 100
130 32.8 12.0 52.0
64 53.6 36.3 76.3





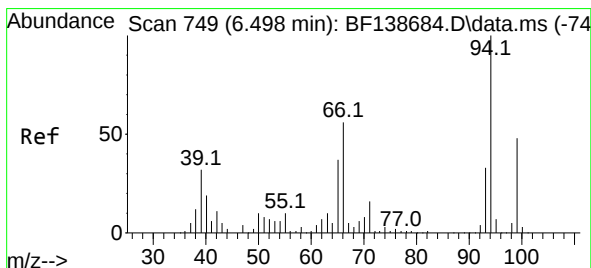
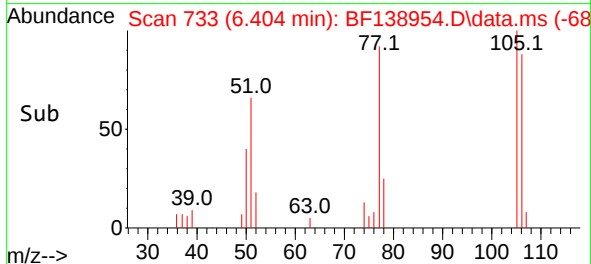
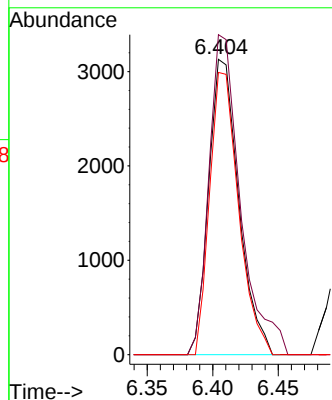
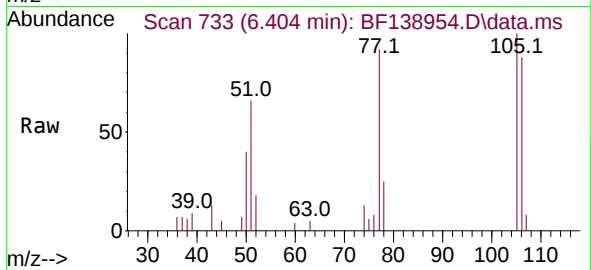
#9
Benzaldehyde
Concen: 2.122 ng
RT: 6.404 min Scan# 710
Delta R.T. 0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Instrument :
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ClientSampleId :
ARS20-0019MSD

Tgt Ion: 77	Resp: 5008
Ion Ratio	Lower Upper
77 100	
105 108.3	72.9 112.9
106 95.6	68.4 108.4

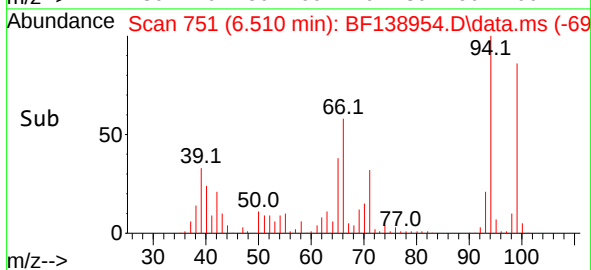
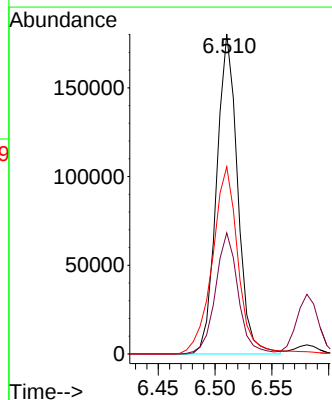
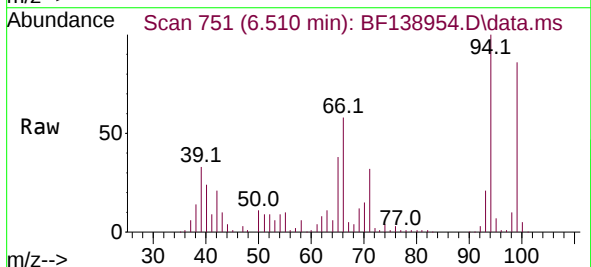
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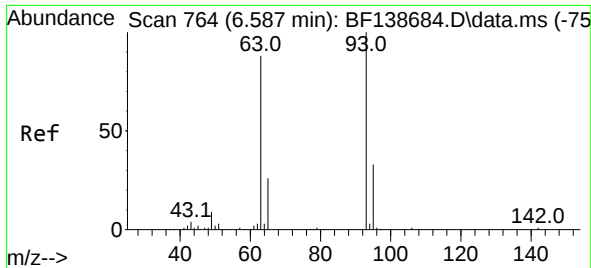
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#10
Phenol
Concen: 55.935 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

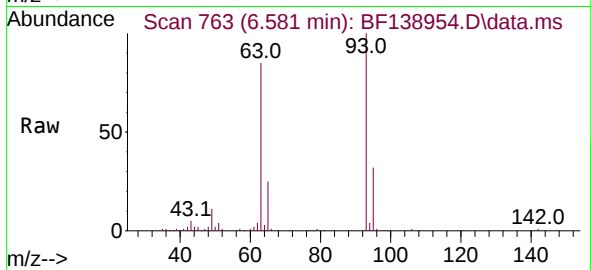
Tgt Ion: 94	Resp: 231899
Ion Ratio	Lower Upper
94 100	
65 37.9	16.9 56.9
66 58.5	36.5 76.5





#11
bis(2-Chloroethyl)ether
Concen: 55.454 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

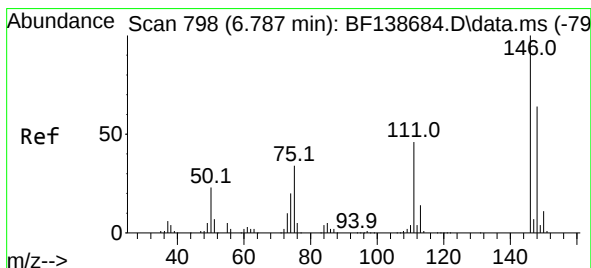
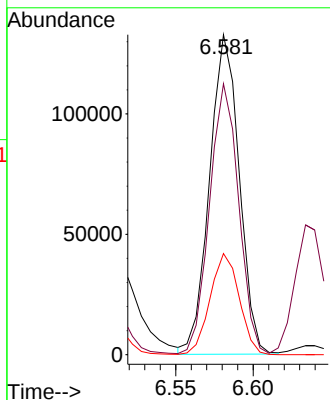
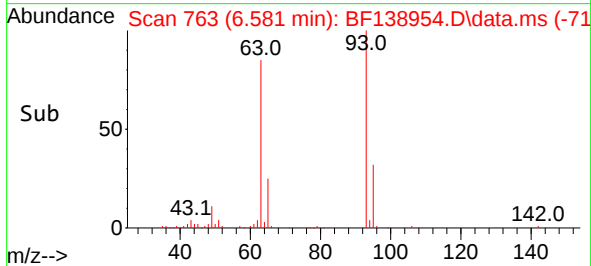
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



Tgt Ion: 93 Resp: 176920
Ion Ratio Lower Upper
93 100
63 84.6 65.3 105.3
95 31.6 12.4 52.4

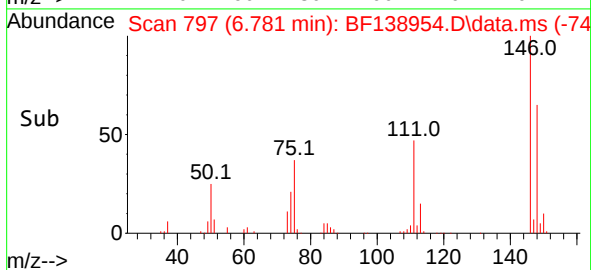
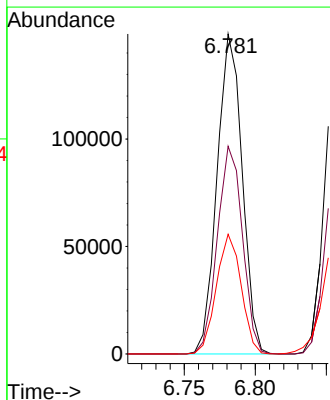
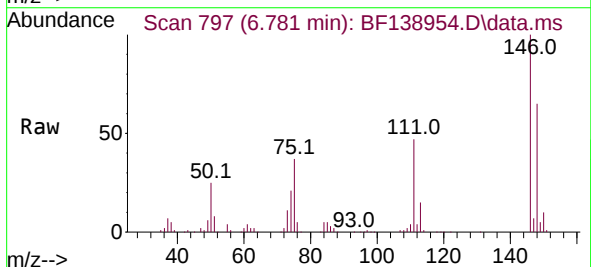
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#12
1,3-Dichlorobenzene
Concen: 52.992 ng
RT: 6.781 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Tgt Ion:146 Resp: 183037
Ion Ratio Lower Upper
146 100
148 64.9 51.2 76.8
75 37.4 27.4 41.2





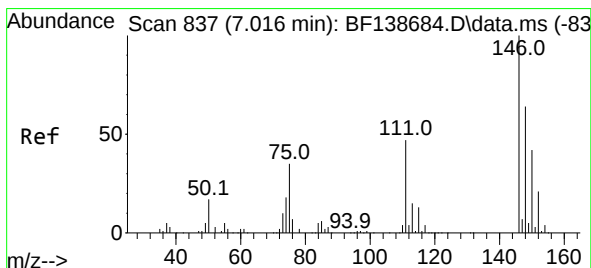
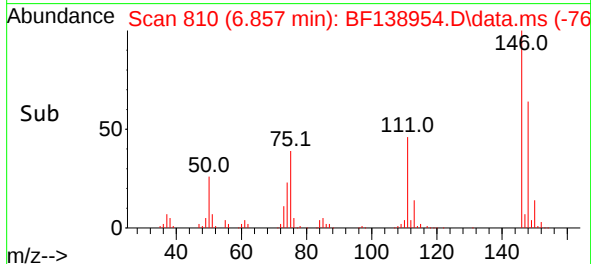
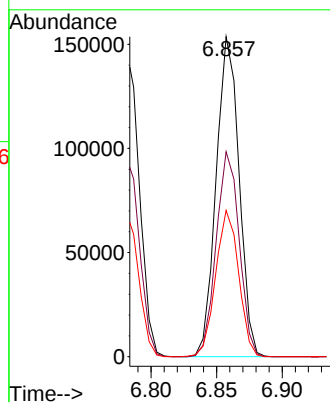
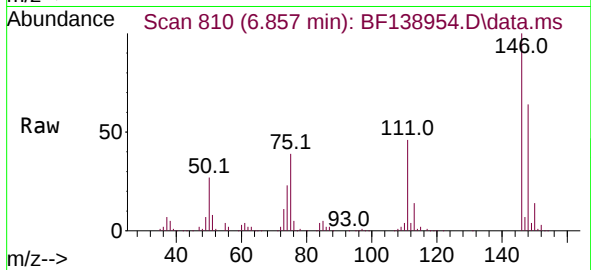
#13
1,4-Dichlorobenzene
Concen: 53.563 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD

Tgt Ion:146 Resp: 18670
Ion Ratio Lower Upper
146 100
148 64.1 50.2 75.2
111 45.7 35.9 53.9

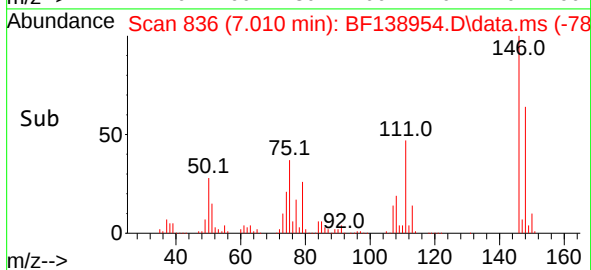
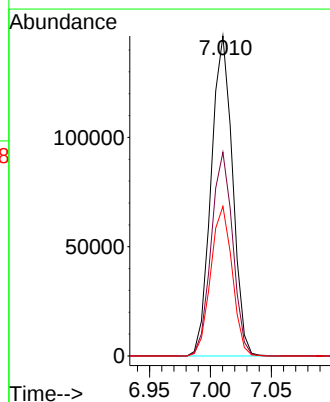
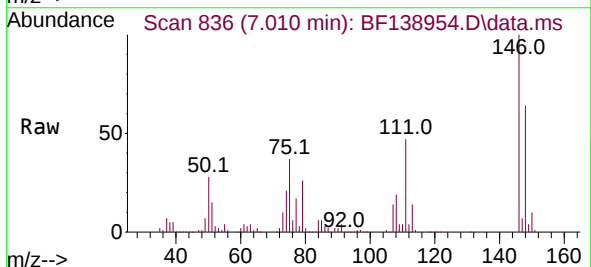
Manual Integrations
APPROVED

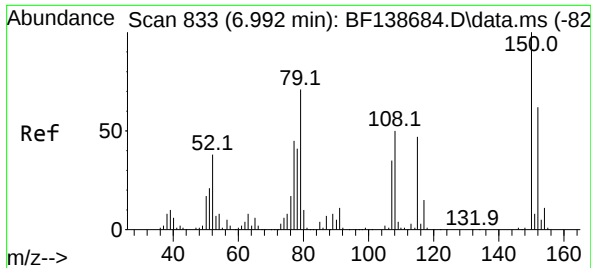
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#14
1,2-Dichlorobenzene
Concen: 54.878 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

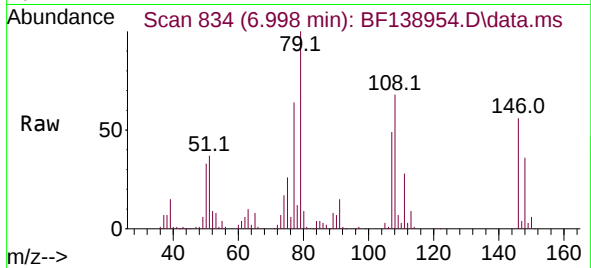
Tgt Ion:146 Resp: 178777
Ion Ratio Lower Upper
146 100
148 63.7 50.8 76.2
111 46.8 37.4 56.2





#15
Benzyl Alcohol
Concen: 61.454 ng
RT: 6.998 min Scan# 811
Delta R.T. 0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

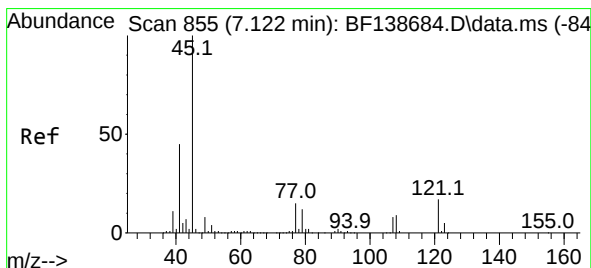
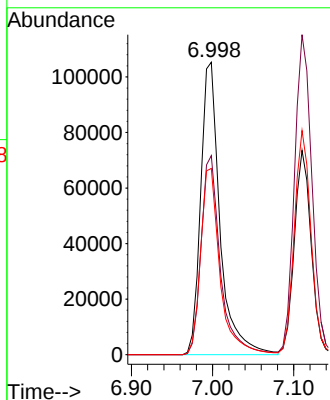
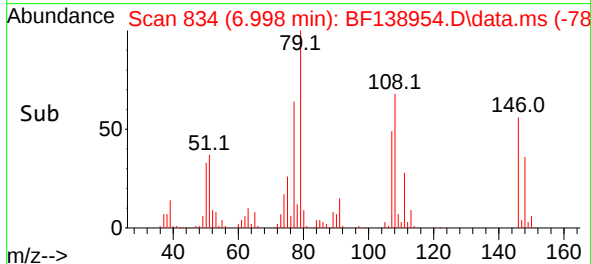
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



Tgt Ion: 79 Resp: 174409
Ion Ratio Lower Upper
79 100
108 68.1 56.6 85.0
77 63.7 50.3 75.5

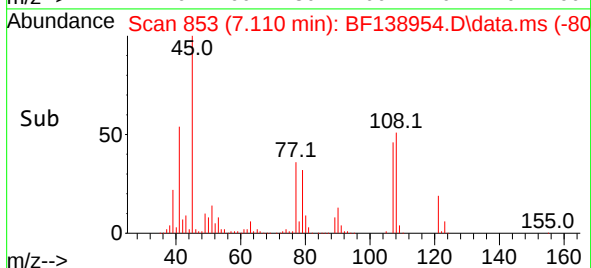
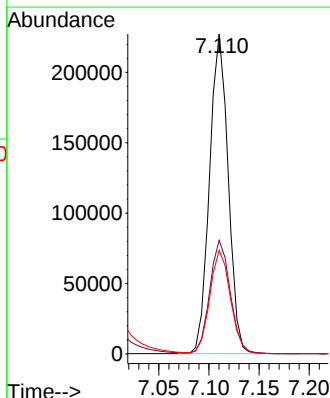
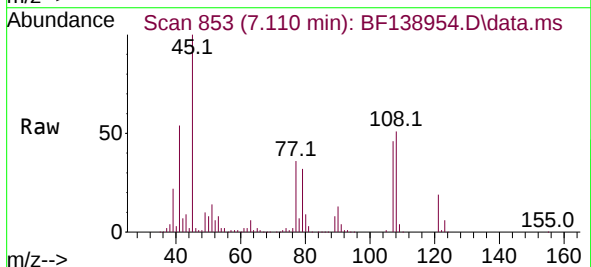
Manual Integrations
APPROVED

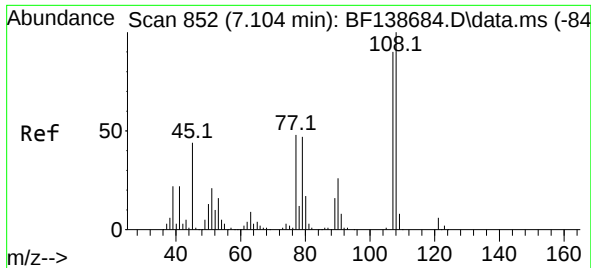
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 53.530 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.012 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

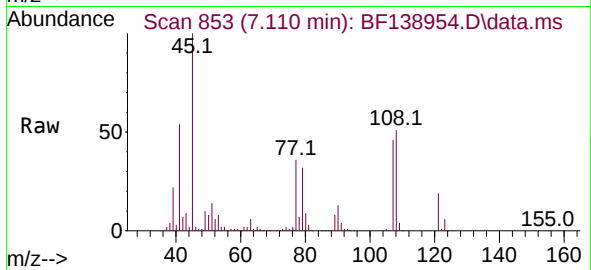
Tgt Ion: 45 Resp: 293910
Ion Ratio Lower Upper
45 100
77 35.5 0.0 34.9#
79 32.4 0.0 32.2#





#17
2-Methylphenol
Concen: 60.306 ng
RT: 7.110 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

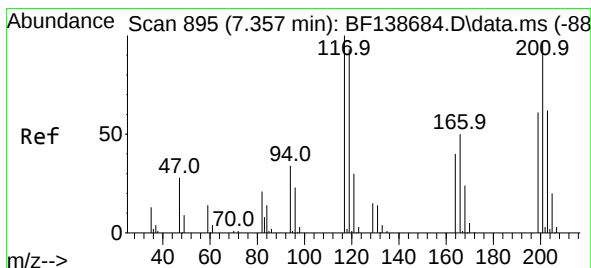
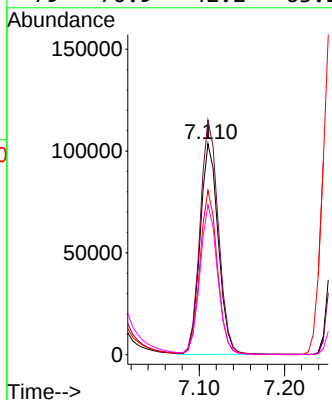
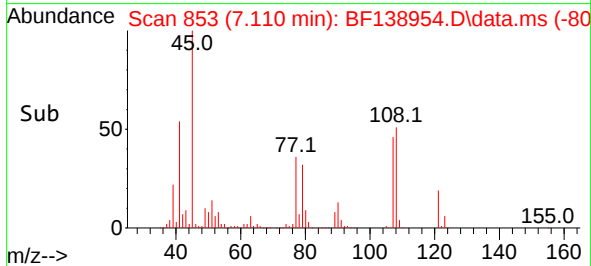
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



Tgt Ion:107 Resp: 153660
Ion Ratio Lower Upper
107 100
108 111.1 89.2 133.8
77 77.8 43.0 64.4
79 70.9 42.2 63.2

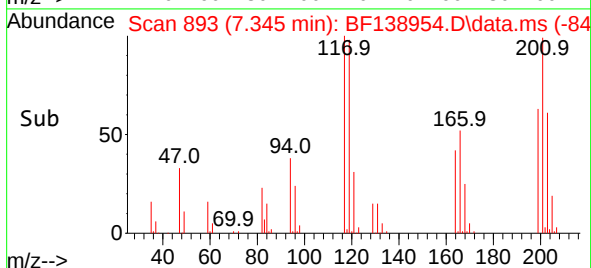
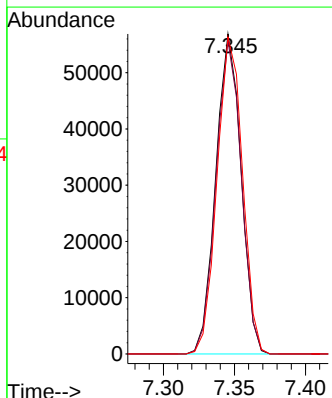
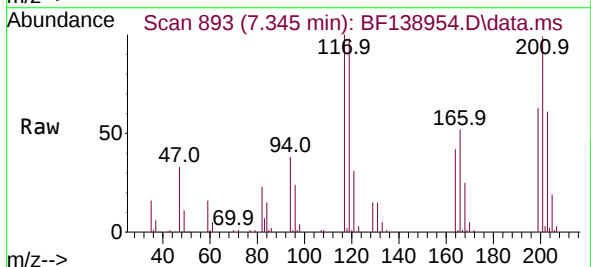
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#18
Hexachloroethane
Concen: 53.631 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

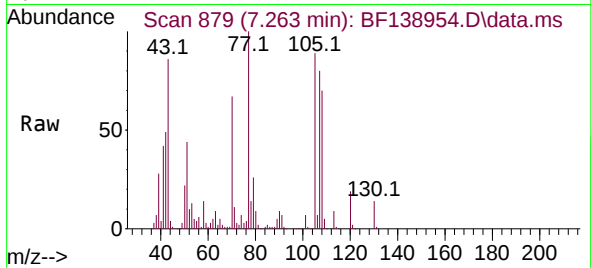
Tgt Ion:117 Resp: 70371
Ion Ratio Lower Upper
117 100
119 97.9 74.6 111.8
201 99.1 77.2 115.8





#19
n-Nitroso-di-n-propylamine
Concen: 62.419 ng
RT: 7.263 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

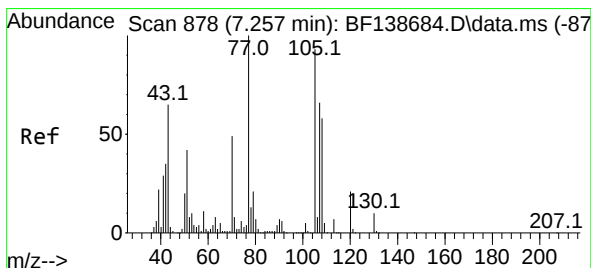
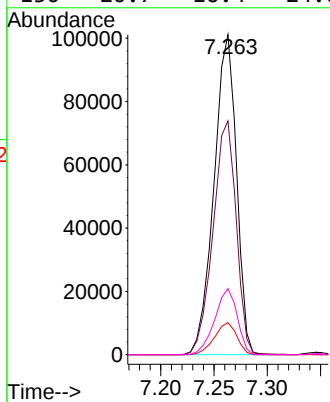
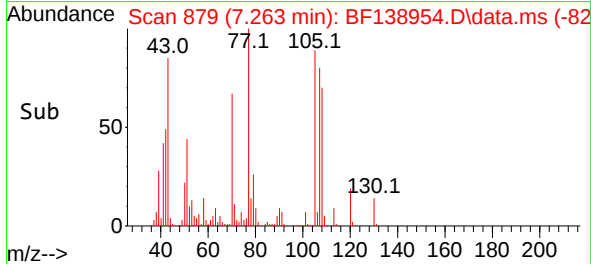
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



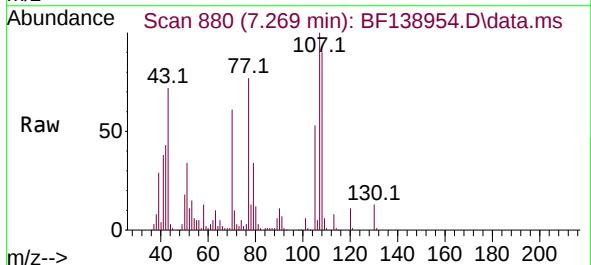
Tgt Ion: 70 Resp: 148448
Ion Ratio Lower Upper
70 100
42 73.0 57.4 86.0
101 10.0 7.5 11.3
130 20.7 16.4 24.6

Manual Integrations
APPROVED

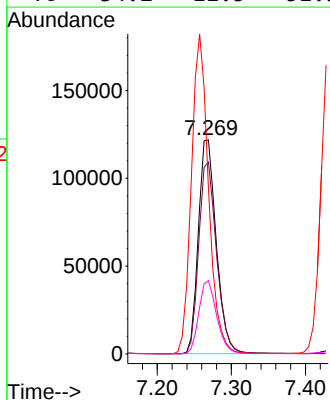
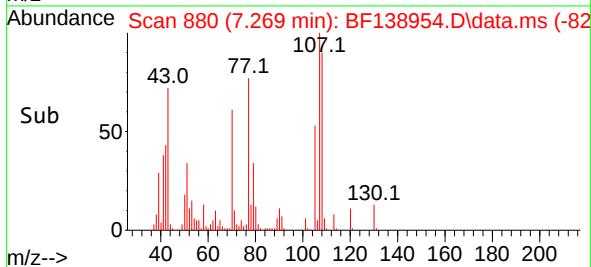
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024

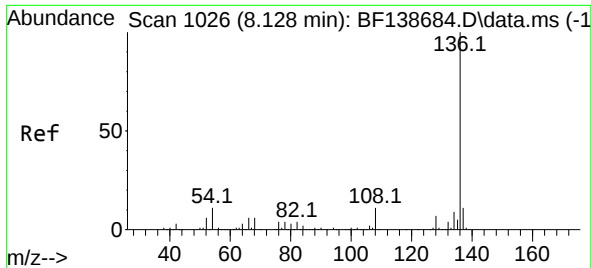


#20
3+4-Methylphenols
Concen: 62.684 ng
RT: 7.269 min Scan# 880
Delta R.T. 0.012 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27



Tgt Ion:107 Resp: 204924
Ion Ratio Lower Upper
107 100
108 89.6 68.2 108.2
77 77.3 132.1 172.1#
79 34.2 11.5 51.5





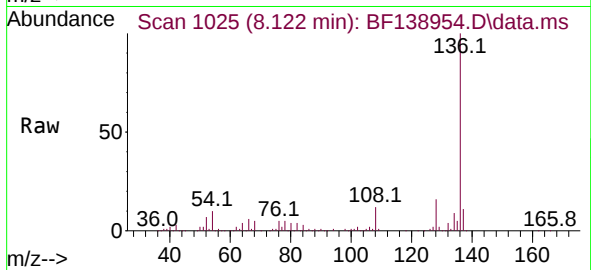
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Instrument :

BNA_F

ClientSampleId :

ARS20-0019MSD

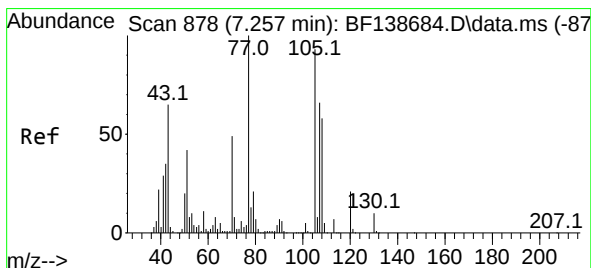
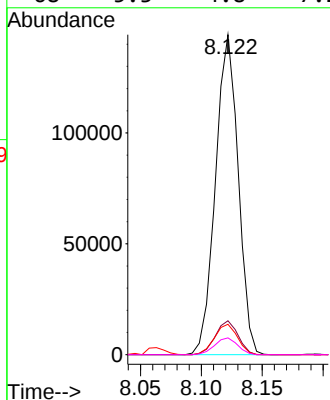
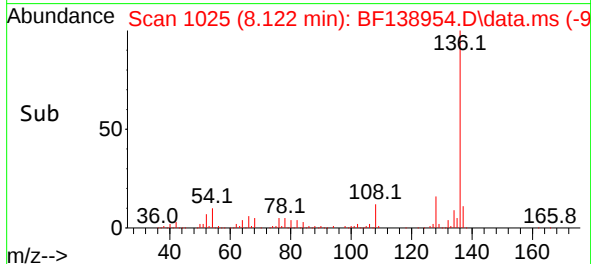


Tgt Ion:136 Resp: 187410
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 9.5 8.6 12.8
68 5.3 4.8 7.2

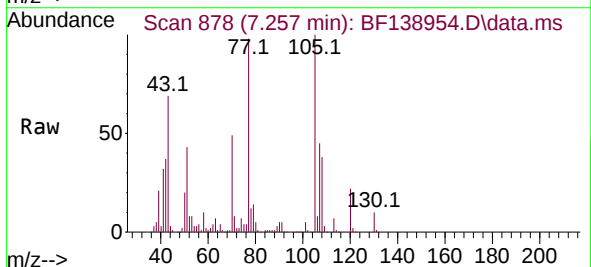
Manual Integrations

APPROVED

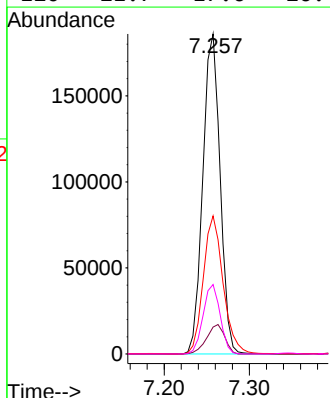
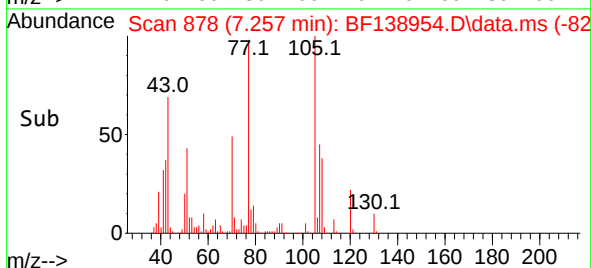
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#22
Acetophenone
Concen: 57.147 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27



Tgt Ion:105 Resp: 262240
Ion Ratio Lower Upper
105 100
71 8.4 7.2 10.8
51 43.2 35.9 53.9
120 21.7 17.6 26.4





#23

Nitrobenzene-d5

Concen: 105.468 ng

RT: 7.410 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF138954.D

Acq: 13 Aug 2024 01:27

Instrument :

BNA_F

ClientSampleId :

ARS20-0019MSD

Tgt Ion: 82 Resp: 40429

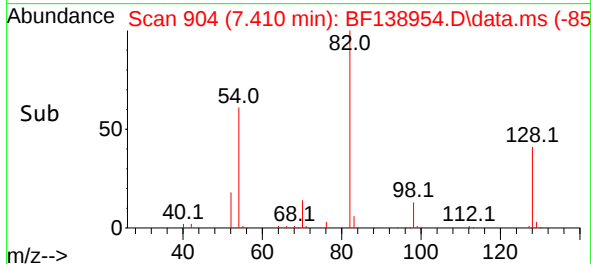
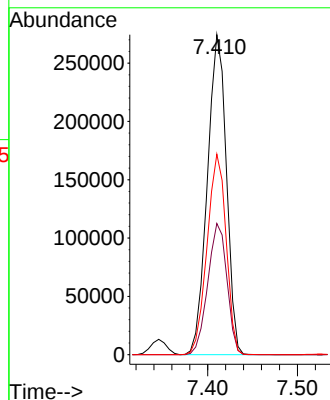
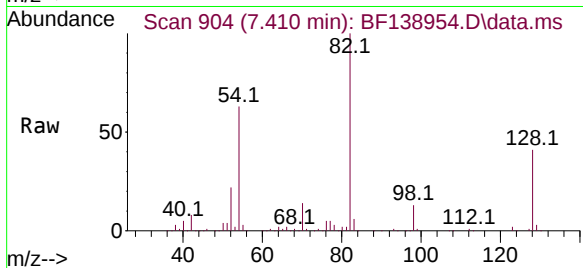
Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.8	49.2
54	62.7	48.3	72.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#24

Nitrobenzene

Concen: 56.003 ng

RT: 7.428 min Scan# 907

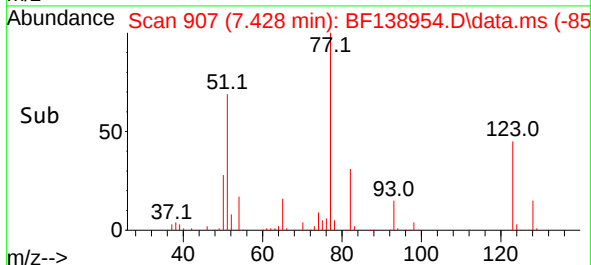
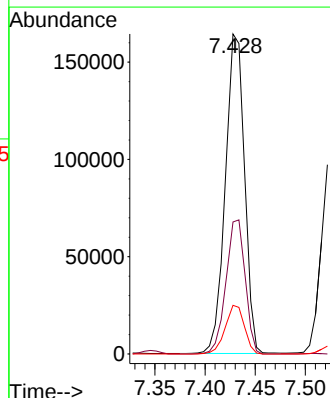
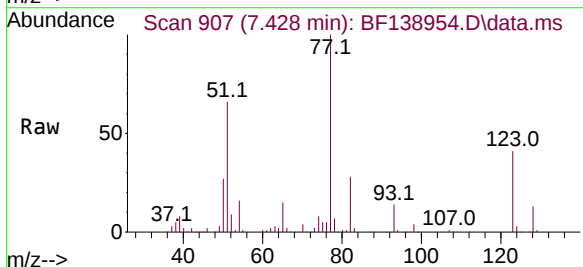
Delta R.T. 0.000 min

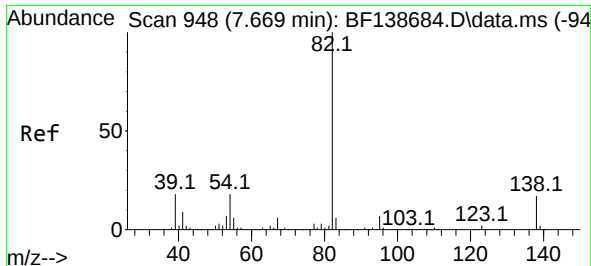
Lab File: BF138954.D

Acq: 13 Aug 2024 01:27

Tgt Ion: 77 Resp: 218448

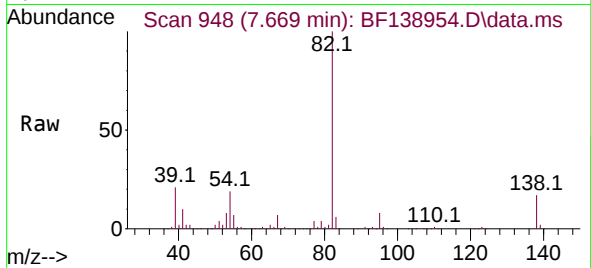
Ion	Ratio	Lower	Upper
77	100		
123	41.3	33.3	49.9
65	15.2	11.9	17.9





#25
Isophorone
Concen: 60.991 ng
RT: 7.669 min Scan# 948
Delta R.T. 0.000 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

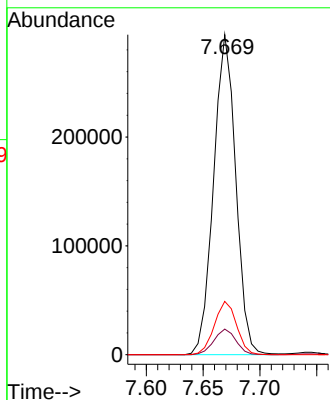
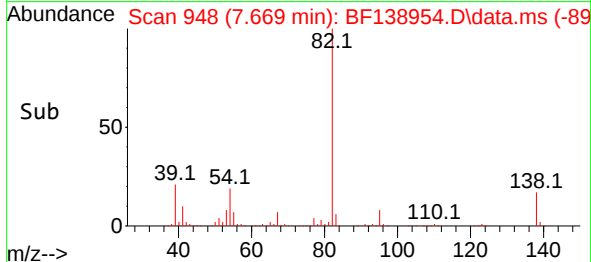
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



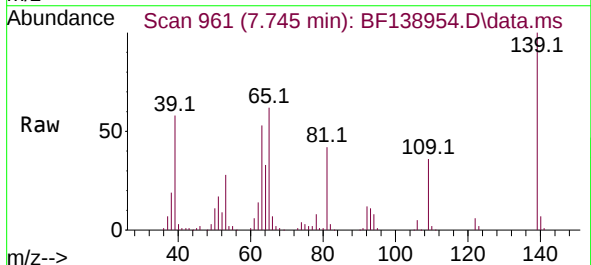
Tgt Ion: 82 Resp: 399222
Ion Ratio Lower Upper
82 100
95 8.0 5.7 8.5
138 16.7 13.7 20.5

Manual Integrations
APPROVED

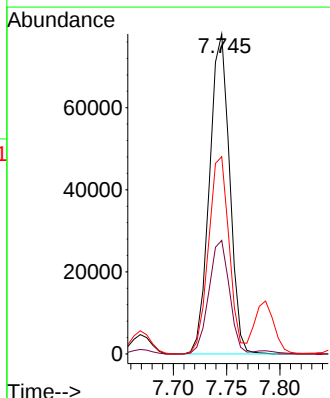
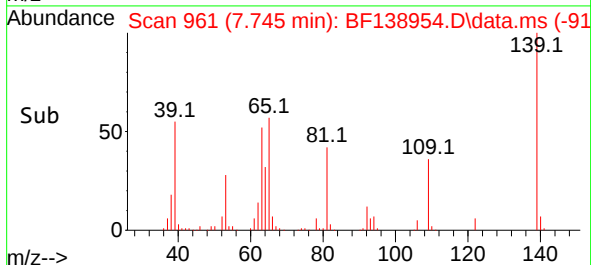
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#26
2-Nitrophenol
Concen: 61.117 ng
RT: 7.745 min Scan# 961
Delta R.T. 0.000 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27



Tgt Ion:139 Resp: 102566
Ion Ratio Lower Upper
139 100
109 35.5 25.9 38.9
65 61.7 47.0 70.6





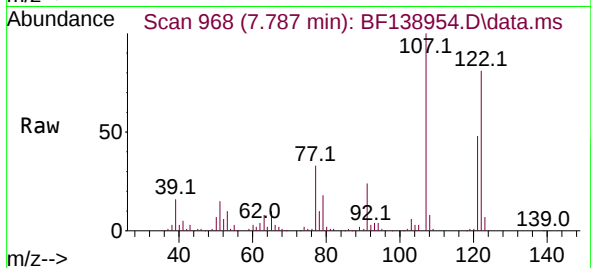
#27
2,4-Dimethylphenol
Concen: 66.911 ng
RT: 7.787 min Scan# 90
Delta R.T. 0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Instrument :

BNA_F

ClientSampleId :

ARS20-0019MSD

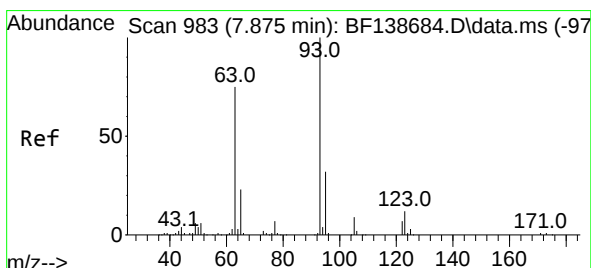
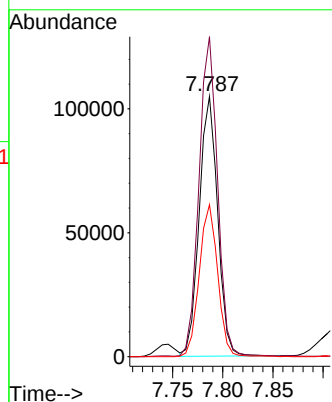


Tgt Ion:122 Resp: 134350
Ion Ratio Lower Upper
122 100
107 122.9 95.0 142.6
121 58.4 47.3 70.9

Manual Integrations

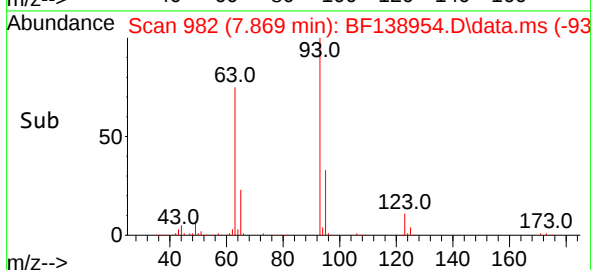
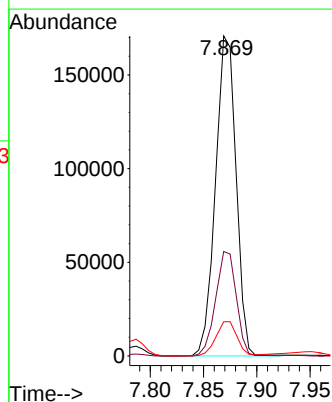
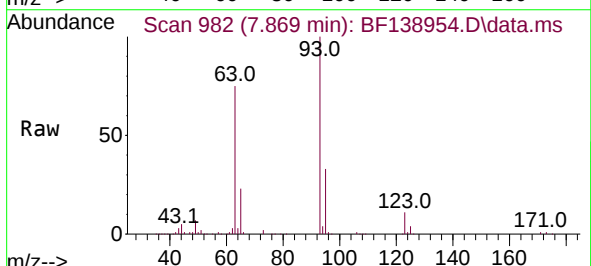
APPROVED

Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#28
bis(2-Chloroethoxy)methane
Concen: 57.543 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Tgt Ion: 93 Resp: 229370
Ion Ratio Lower Upper
93 100
95 32.6 25.8 38.8
123 10.7 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 63.163 ng

RT: 7.992 min Scan# 1003

Delta R.T. 0.000 min

Lab File: BF138954.D

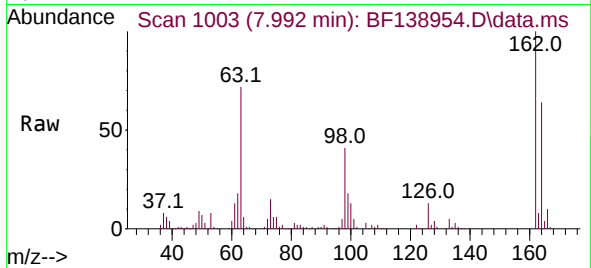
Acq: 13 Aug 2024 01:27

Instrument :

BNA_F

ClientSampleId :

ARS20-0019MSD



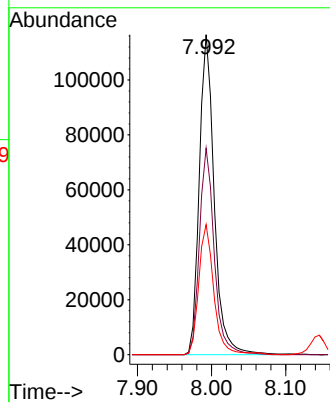
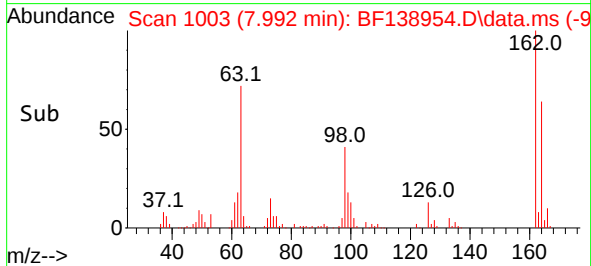
Tgt Ion:	162	Resp:	162969
Ion Ratio	Lower	Upper	
162	100		
164	64.5	44.7	84.7
98	40.7	20.8	60.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#30

1,2,4-Trichlorobenzene

Concen: 56.070 ng

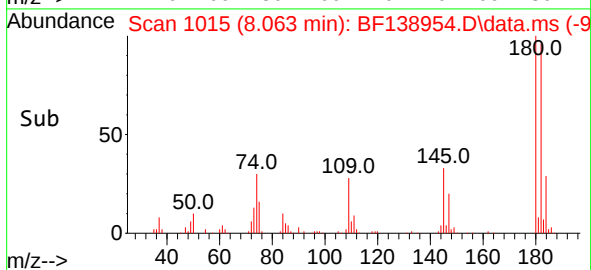
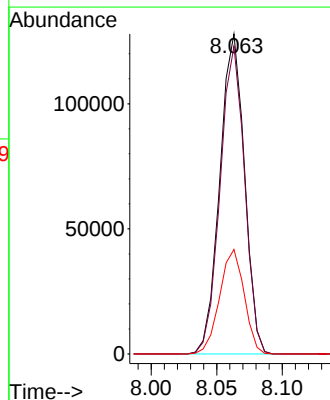
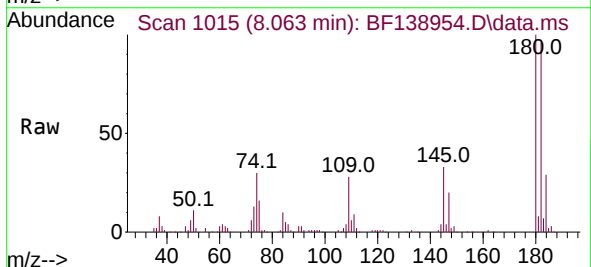
RT: 8.063 min Scan# 1015

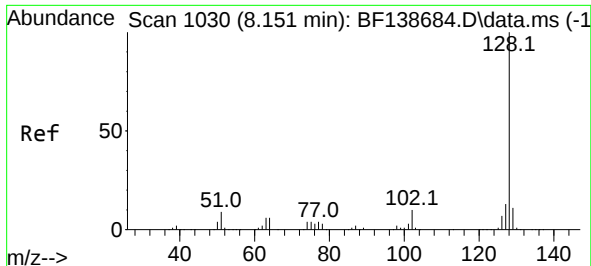
Delta R.T. -0.006 min

Lab File: BF138954.D

Acq: 13 Aug 2024 01:27

Tgt Ion:	180	Resp:	166952
Ion Ratio	Lower	Upper	
180	100		
182	96.2	76.9	115.3
145	32.7	25.0	37.4





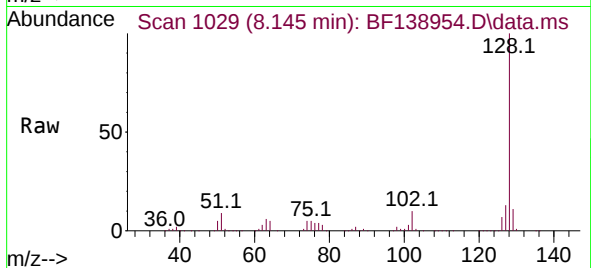
#31
Naphthalene
Concen: 56.089 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Instrument :

BNA_F

ClientSampleId :

ARS20-0019MSD



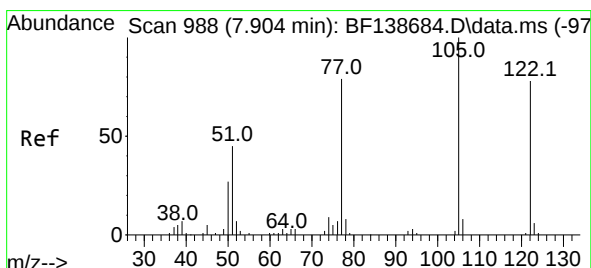
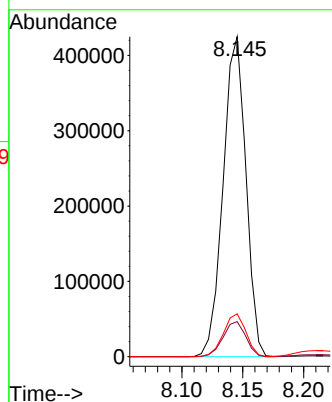
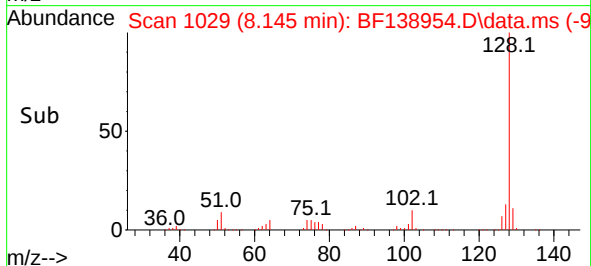
Tgt Ion:128 Resp: 55332
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.4 10.6 16.0

Manual Integrations

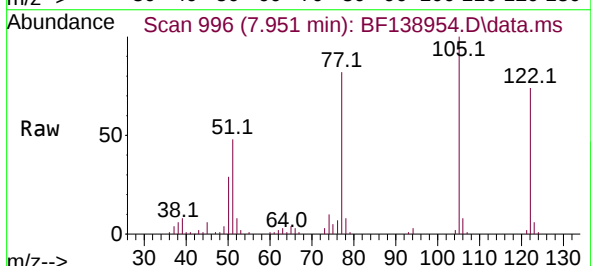
APPROVED

Reviewed By :Yogesh Patel 08/13/2024

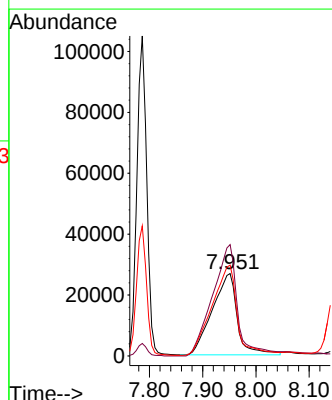
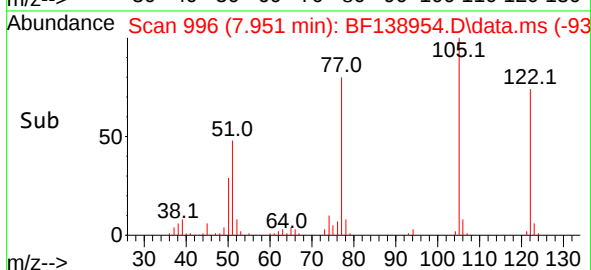
Supervised By :mohammad ahmed 08/13/2024

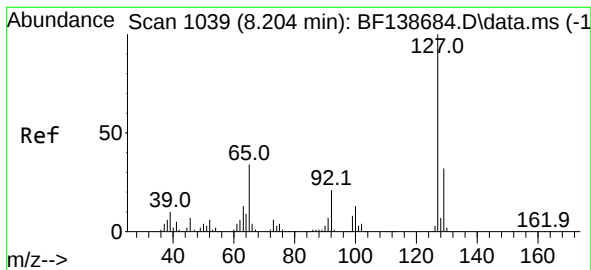


#32
Benzoic acid
Concen: 55.248 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.047 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27



Tgt Ion:122 Resp: 87202
Ion Ratio Lower Upper
122 100
105 135.0 106.7 146.7
77 110.1 81.1 121.1





#33
4-Chloroaniline
Concen: 8.085 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Instrument :

BNA_F

ClientSampleId :

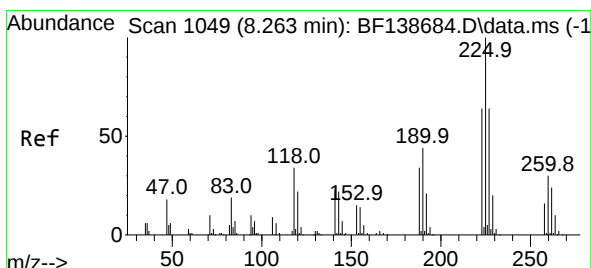
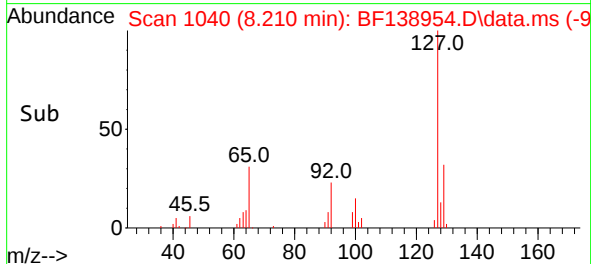
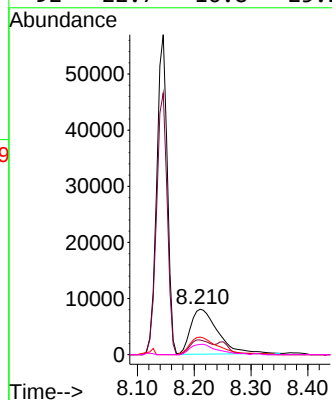
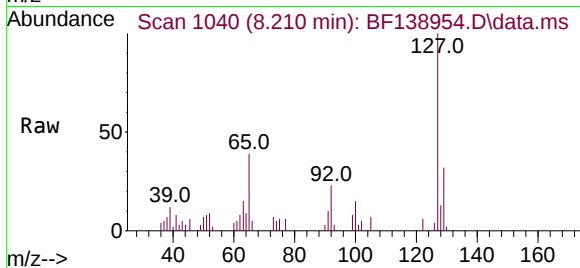
ARS20-0019MSD

Tgt Ion:	127	Resp:	26774
Ion Ratio	Lower	Upper	
127	100		
129	32.3	25.9	38.9
65	38.9	27.6	41.4
92	22.7	16.8	25.2

Manual Integrations

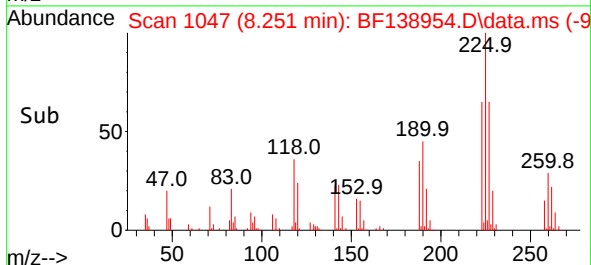
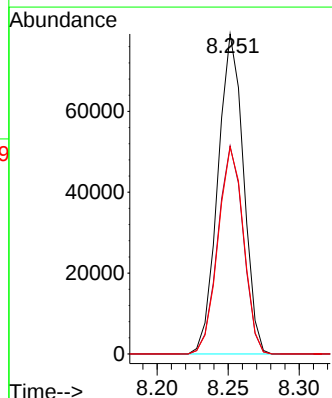
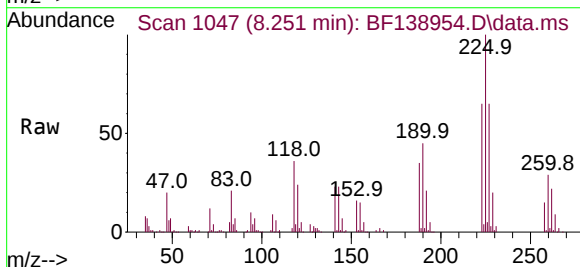
APPROVED

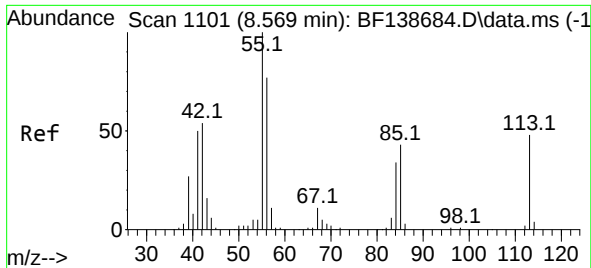
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#34
Hexachlorobutadiene
Concen: 54.955 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

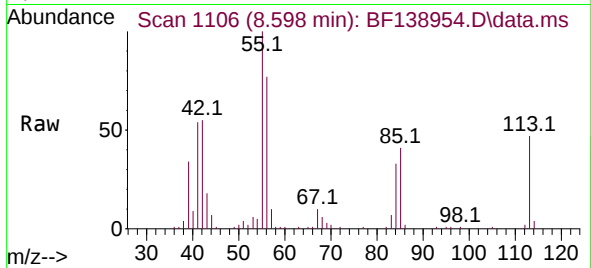
Tgt Ion:	225	Resp:	99110
Ion Ratio	Lower	Upper	
225	100		
223	65.0	51.2	76.8
227	64.6	51.1	76.7





#35
Caprolactam
Concen: 50.118 ng m
RT: 8.598 min Scan# 1106
Delta R.T. 0.030 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

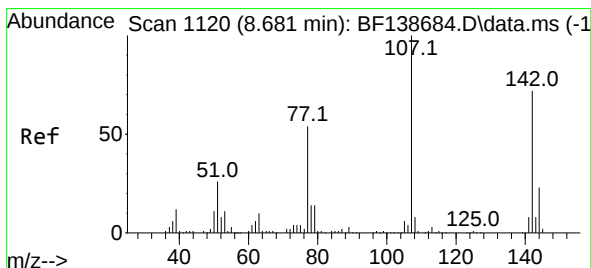
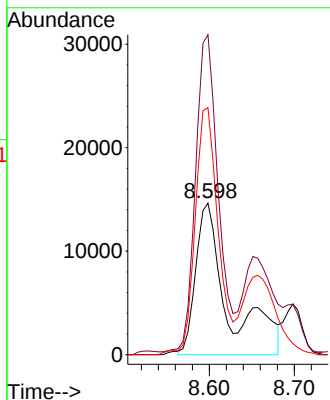
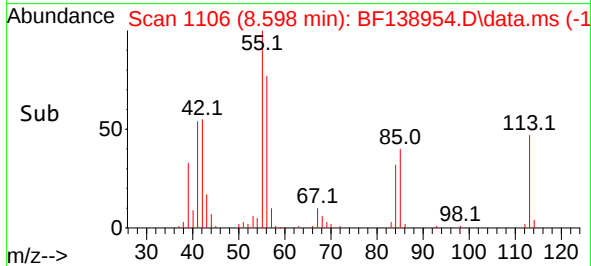
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



Tgt Ion:113 Resp: 3858
Ion Ratio Lower Upper
113 100
55 211.1 186.7 226.7
56 163.0 138.9 178.9

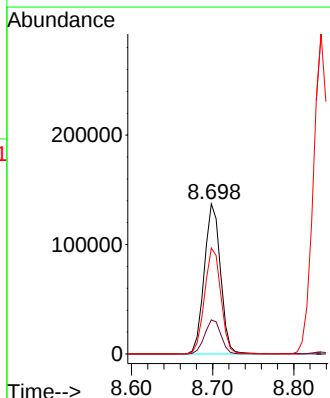
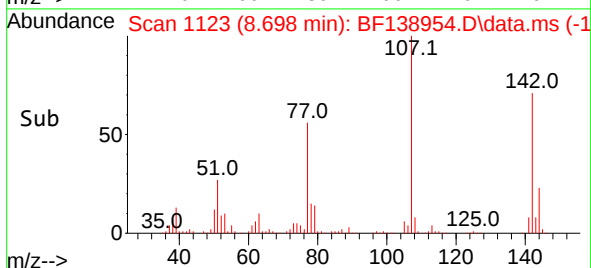
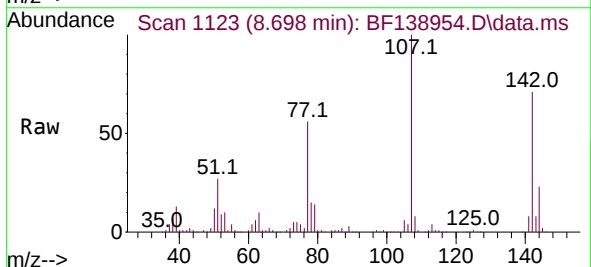
Manual Integrations
APPROVED

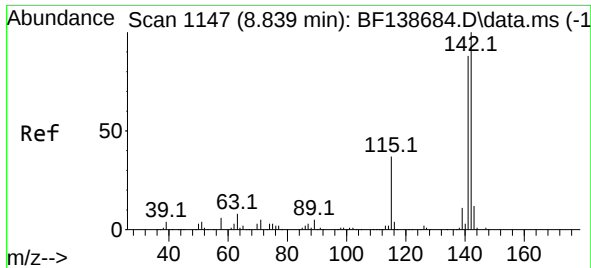
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#36
4-Chloro-3-methylphenol
Concen: 64.712 ng
RT: 8.698 min Scan# 1123
Delta R.T. 0.018 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

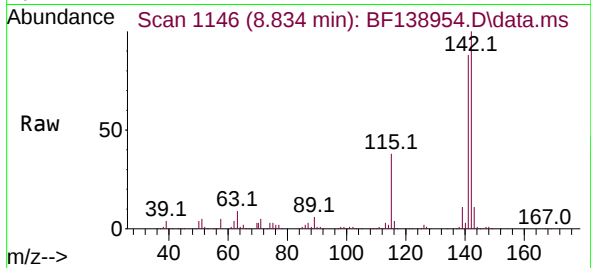
Tgt Ion:107 Resp: 190816
Ion Ratio Lower Upper
107 100
144 22.8 18.2 27.2
142 70.6 57.4 86.2





#37
2-Methylnaphthalene
Concen: 60.238 ng
RT: 8.834 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

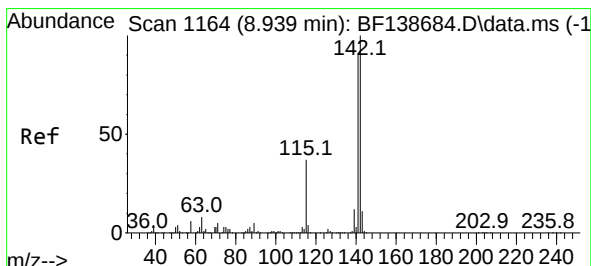
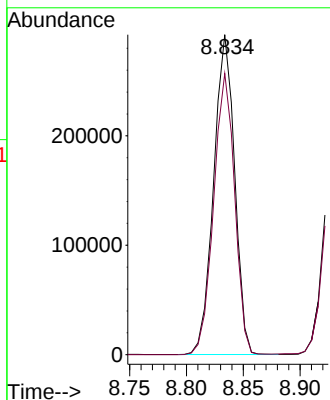
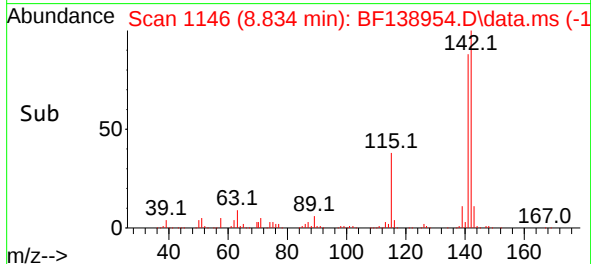
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



Tgt Ion:142 Resp: 375300
Ion Ratio Lower Upper
142 100
141 87.9 70.8 106.2

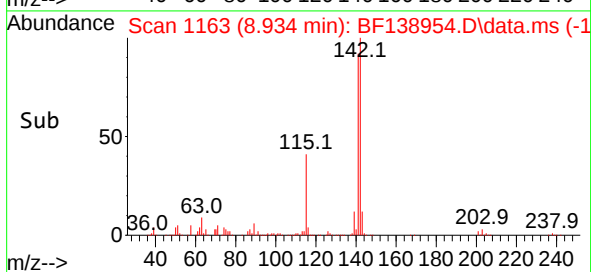
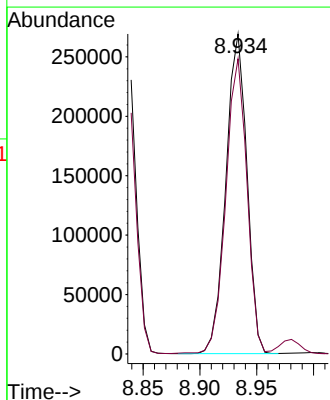
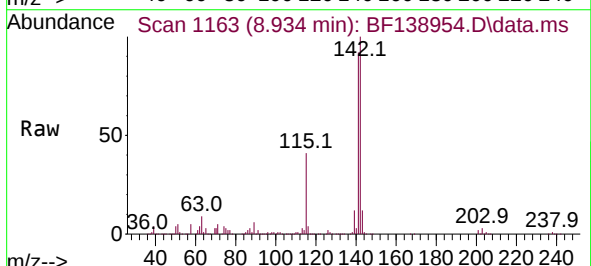
Manual Integrations
APPROVED

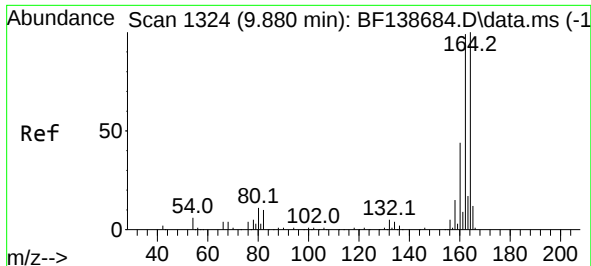
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#38
1-Methylnaphthalene
Concen: 56.882 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

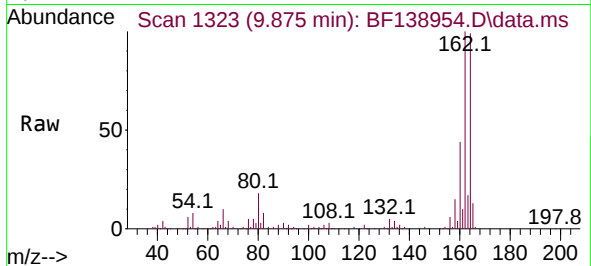
Tgt Ion:142 Resp: 347271
Ion Ratio Lower Upper
142 100
141 92.3 73.1 109.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1174
Delta R.T. -0.005 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

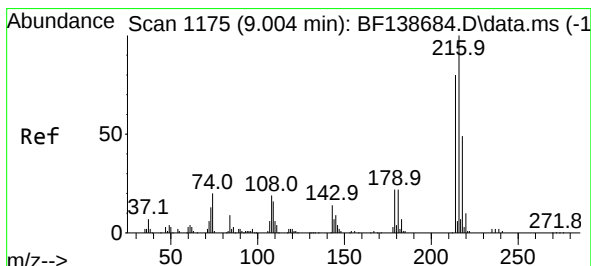
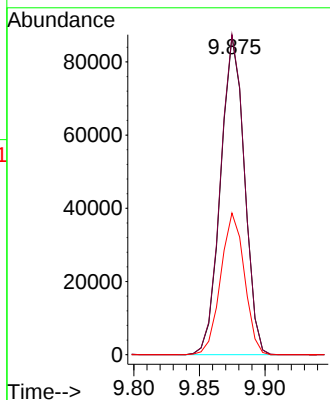
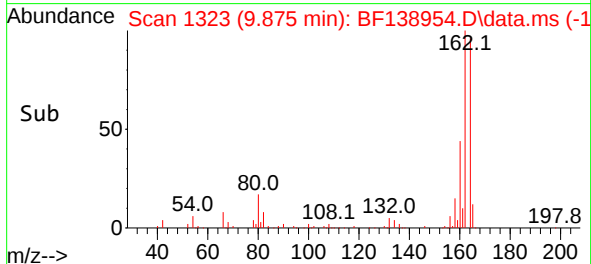
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



Tgt Ion:164 Resp: 109870
Ion Ratio Lower Upper
164 100
162 100.6 79.4 119.0
160 44.5 35.1 52.7

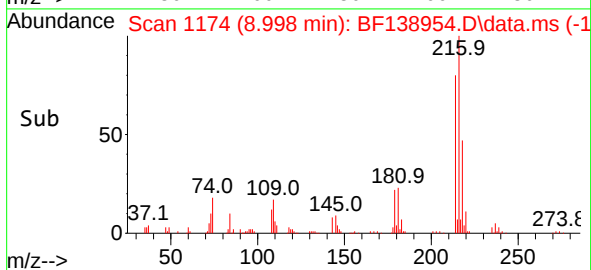
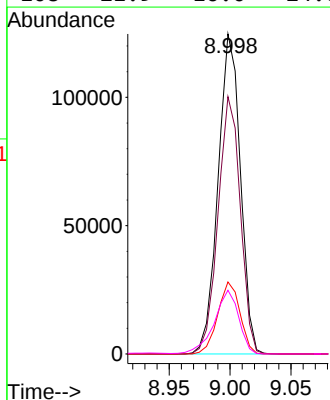
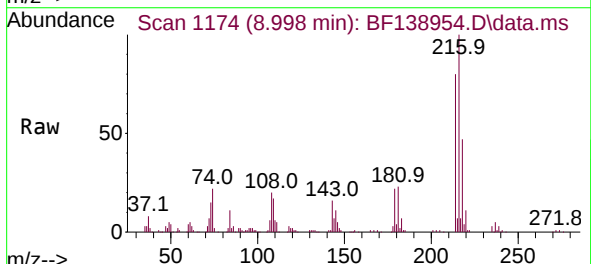
Manual Integrations
APPROVED

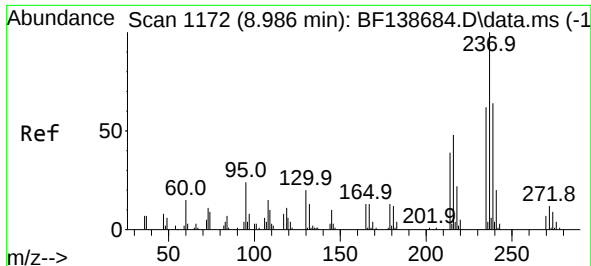
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.089 ng
RT: 8.998 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

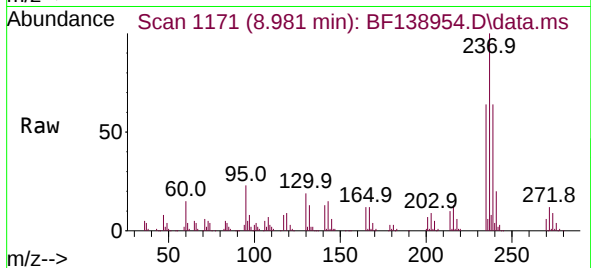
Tgt Ion:216 Resp: 158988
Ion Ratio Lower Upper
216 100
214 80.1 63.9 95.9
179 22.4 17.8 26.6
108 21.9 16.0 24.0





#41
Hexachlorocyclopentadiene
Concen: 137.787 ng
RT: 8.981 min Scan# 1172
Delta R.T. -0.005 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

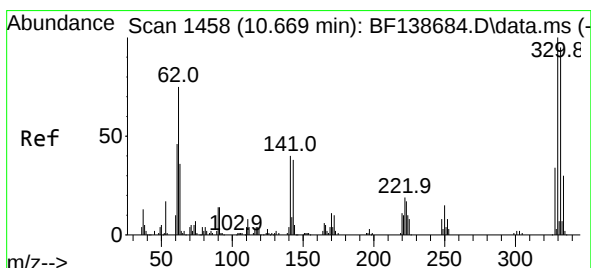
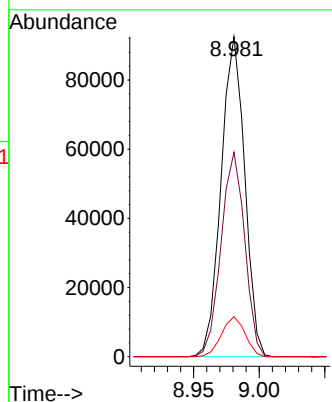
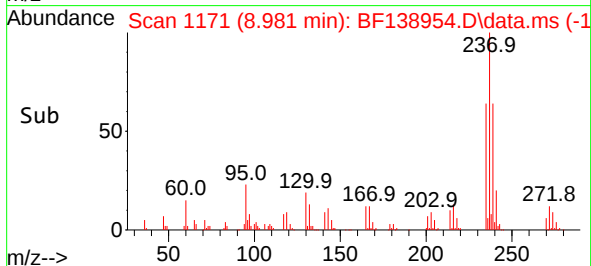
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



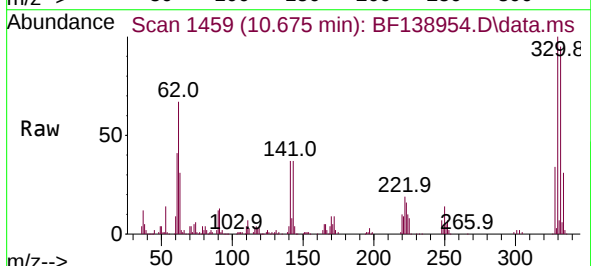
Tgt Ion:237 Resp: 115768
Ion Ratio Lower Upper
237 100
235 63.9 41.8 81.8
272 12.5 0.0 32.2

Manual Integrations
APPROVED

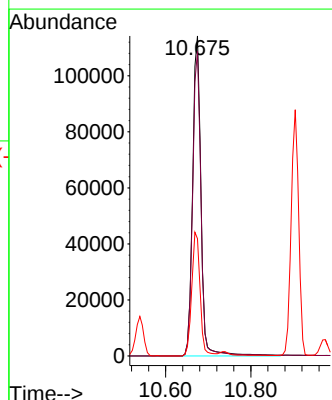
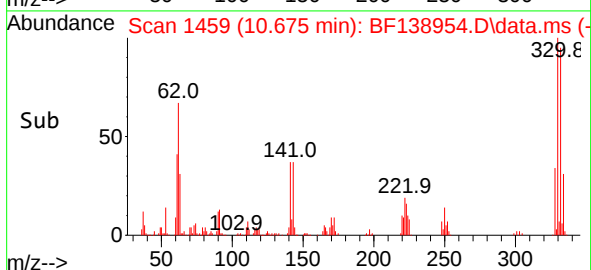
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#42
2,4,6-Tribromophenol
Concen: 173.417 ng
RT: 10.675 min Scan# 1459
Delta R.T. 0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27



Tgt Ion:330 Resp: 156081
Ion Ratio Lower Upper
330 100
332 95.5 76.4 114.6
141 38.5 31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 59.765 ng

RT: 9.122 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF138954.D

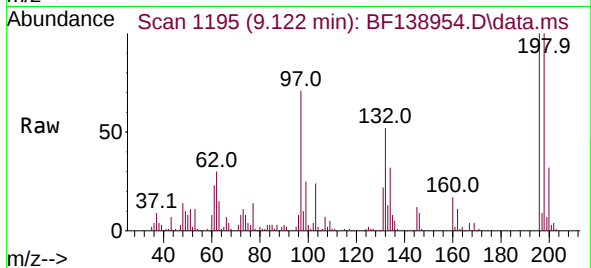
Acq: 13 Aug 2024 01:27

Instrument :

BNA_F

ClientSampleId :

ARS20-0019MSD



Tgt Ion:196 Resp: 11122

Ion Ratio Lower Upper

196 100

198 99.8 80.5 120.7

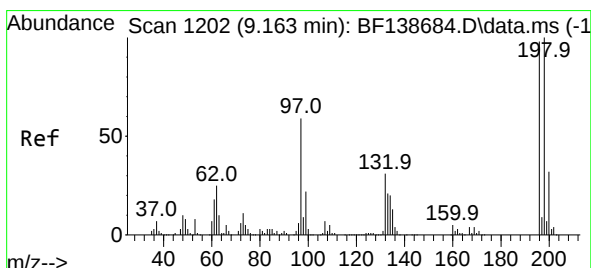
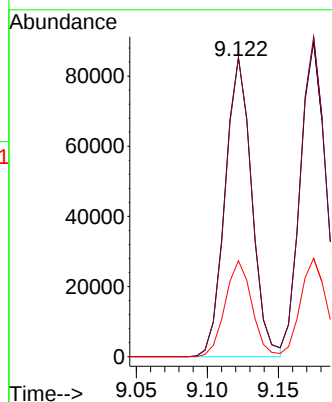
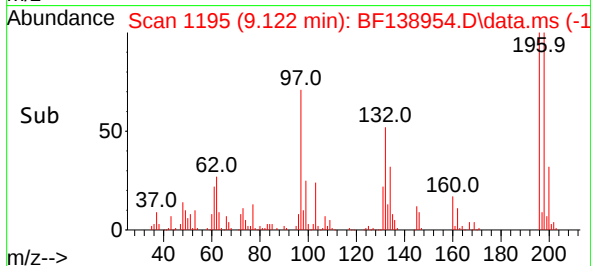
200 32.1 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#44

2,4,5-Trichlorophenol

Concen: 59.233 ng

RT: 9.175 min Scan# 1204

Delta R.T. 0.012 min

Lab File: BF138954.D

Acq: 13 Aug 2024 01:27

Tgt Ion:196 Resp: 120505

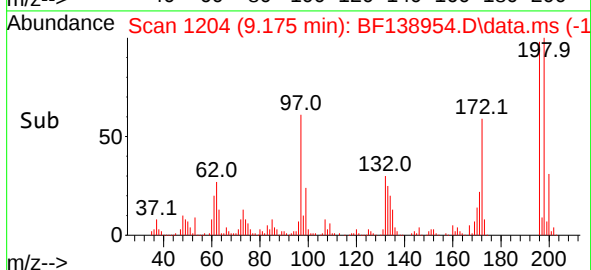
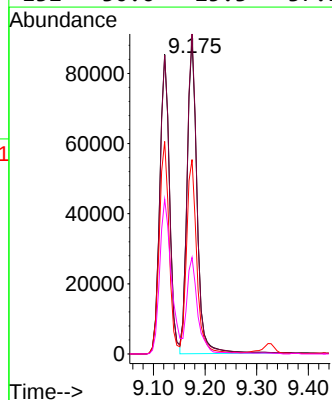
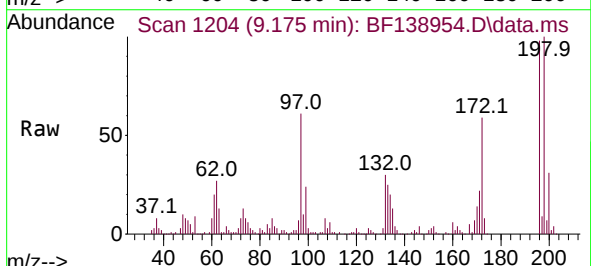
Ion Ratio Lower Upper

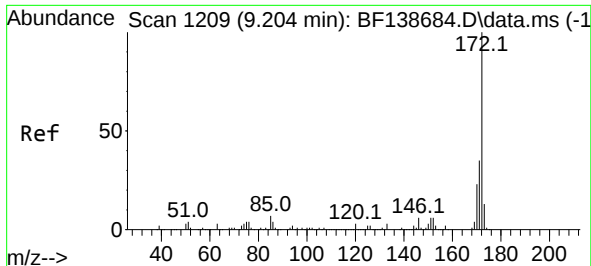
196 100

198 101.6 81.2 121.8

97 61.7 47.8 71.6

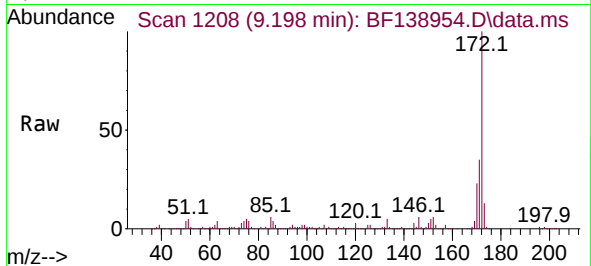
132 30.6 25.3 37.9





#45
2-Fluorobiphenyl
Concen: 104.137 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

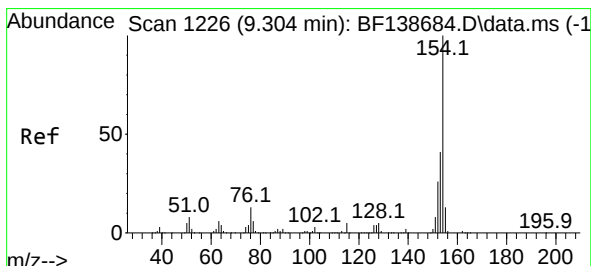
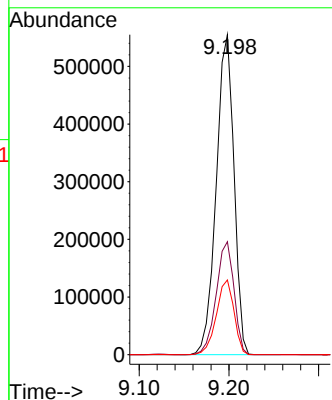
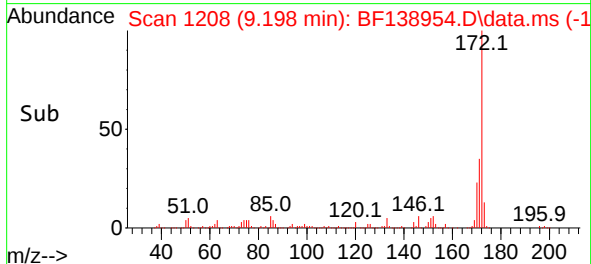
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



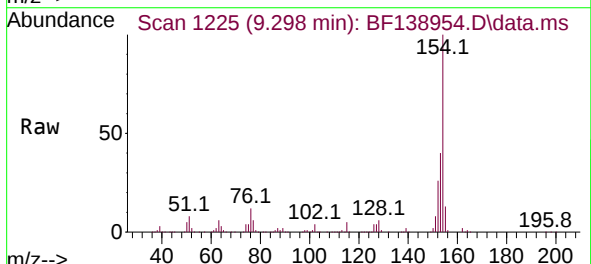
Tgt Ion:172 Resp: 761549
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.4 18.8 28.2

Manual Integrations
APPROVED

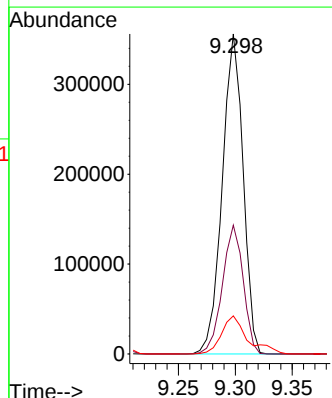
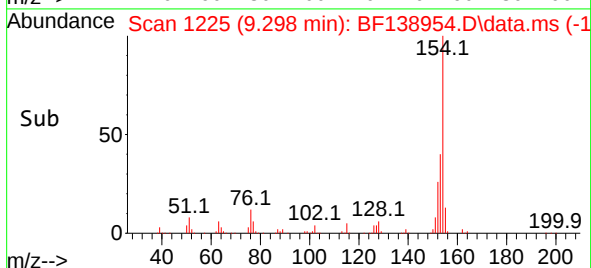
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024

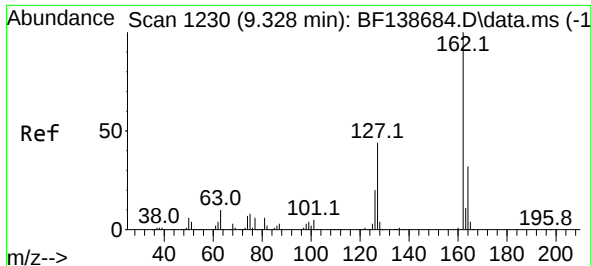


#46
1,1'-Biphenyl
Concen: 52.800 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27



Tgt Ion:154 Resp: 454365
Ion Ratio Lower Upper
154 100
153 40.2 20.8 60.8
76 11.9 0.0 32.8





#47

2-Chloronaphthalene

Concen: 55.297 ng

RT: 9.328 min Scan# 1230

Delta R.T. 0.000 min

Lab File: BF138954.D

Acq: 13 Aug 2024 01:27

Instrument :

BNA_F

ClientSampleId :

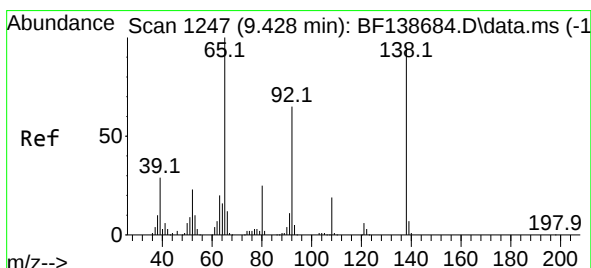
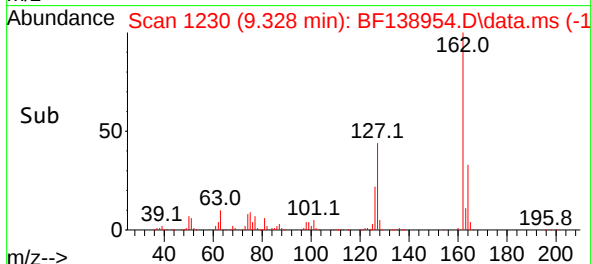
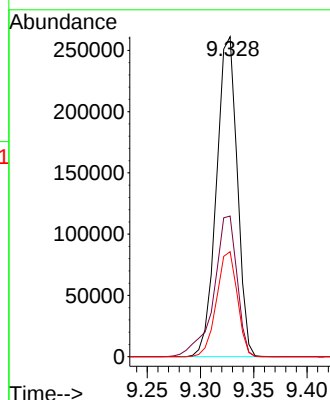
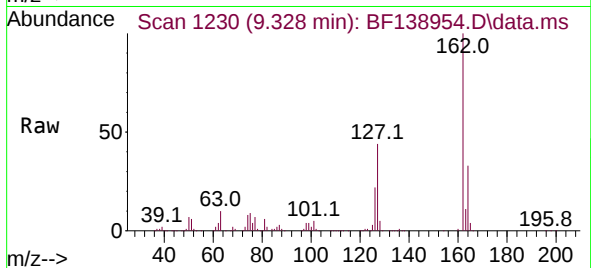
ARS20-0019MSD

Tgt Ion:162 Resp: 35390
 Ion Ratio Lower Upper
 162 100
 127 44.0 35.4 53.2
 164 32.8 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024
 Supervised By :mohammad ahmed 08/13/2024



#48

2-Nitroaniline

Concen: 57.972 ng

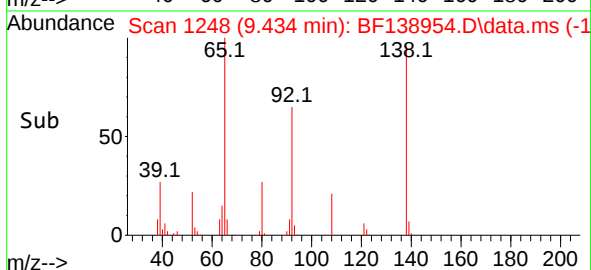
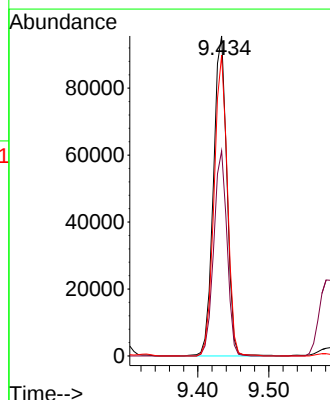
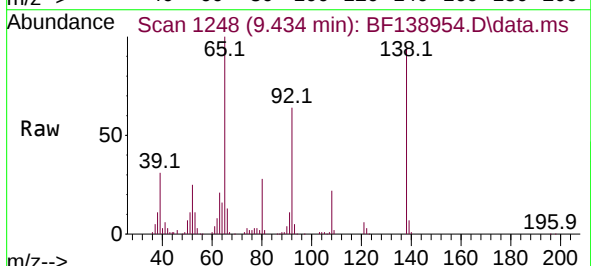
RT: 9.434 min Scan# 1248

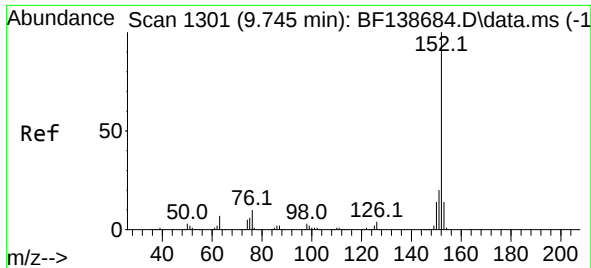
Delta R.T. 0.006 min

Lab File: BF138954.D

Acq: 13 Aug 2024 01:27

Tgt Ion: 65 Resp: 125781
 Ion Ratio Lower Upper
 65 100
 92 64.1 52.0 78.0
 138 94.0 76.2 114.4





#49
Acenaphthylene
Concen: 62.574 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Instrument :

BNA_F

ClientSampleId :

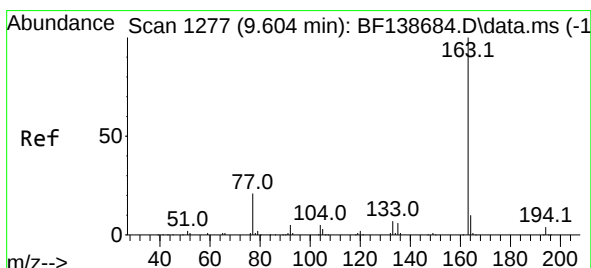
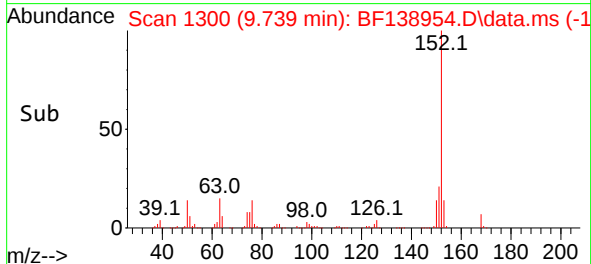
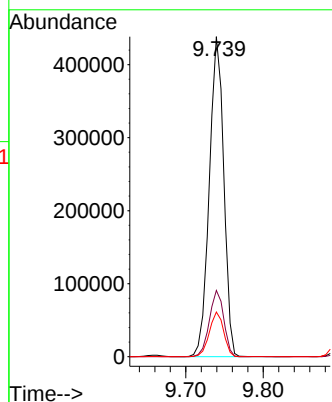
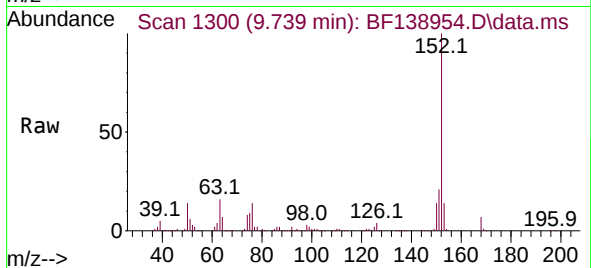
ARS20-0019MSD

Tgt Ion:152 Resp: 56799
Ion Ratio Lower Upper
152 100
151 20.7 16.0 24.0
153 13.9 11.0 16.4

Manual Integrations

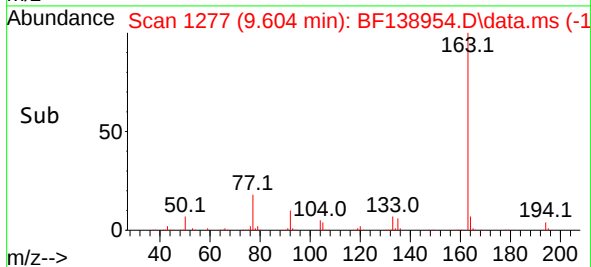
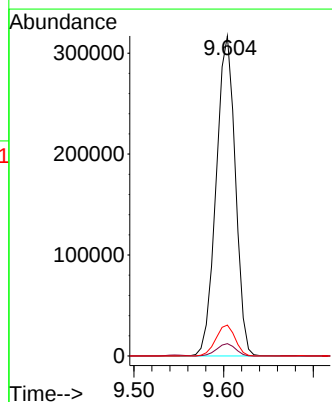
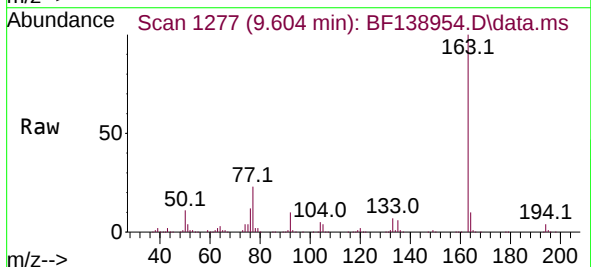
APPROVED

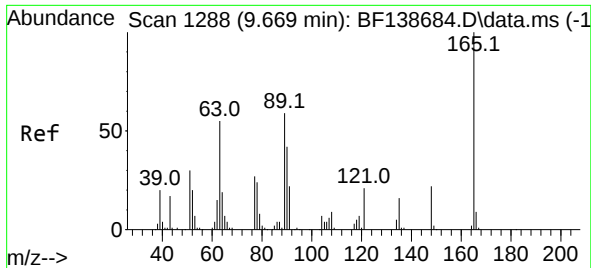
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#50
Dimethylphthalate
Concen: 66.981 ng
RT: 9.604 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

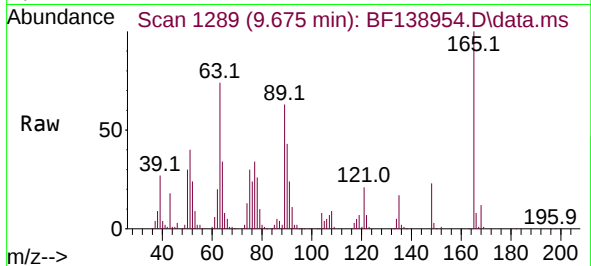
Tgt Ion:163 Resp: 470585
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 9.7 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 59.840 ng
RT: 9.675 min Scan# 1288
Delta R.T. 0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

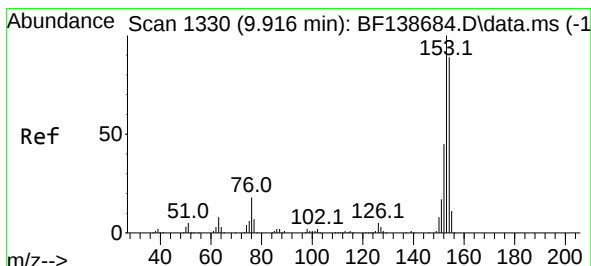
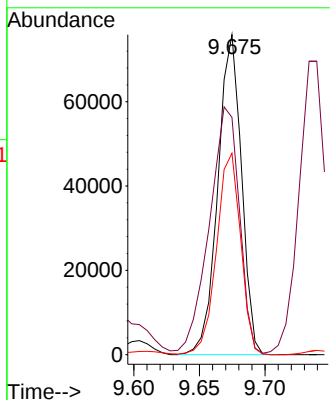
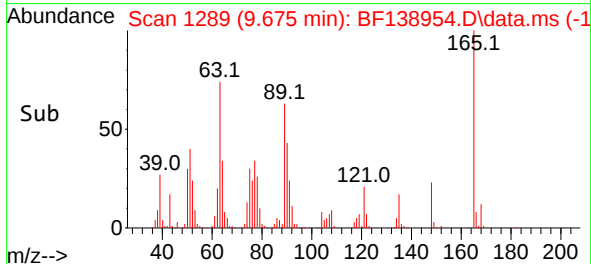
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



Tgt Ion:165 Resp: 94880
Ion Ratio Lower Upper
165 100
63 74.2 52.0 78.0
89 63.0 47.0 70.6

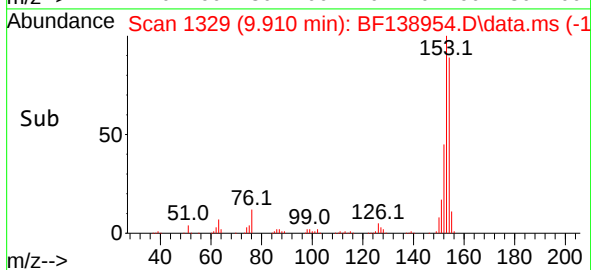
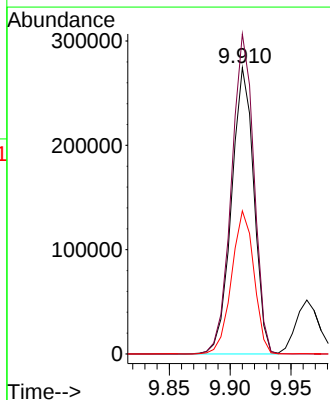
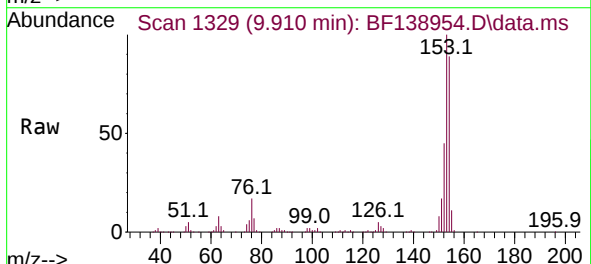
Manual Integrations
APPROVED

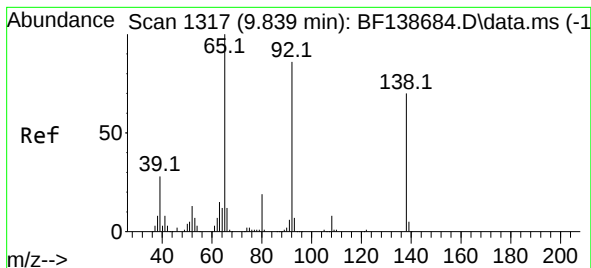
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#52
Acenaphthene
Concen: 57.652 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

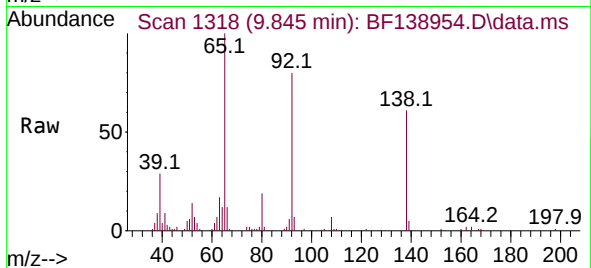
Tgt Ion:154 Resp: 351784
Ion Ratio Lower Upper
154 100
153 111.8 89.9 134.9
152 50.0 40.6 60.8





#53
3-Nitroaniline
Concen: 11.683 ng
RT: 9.845 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

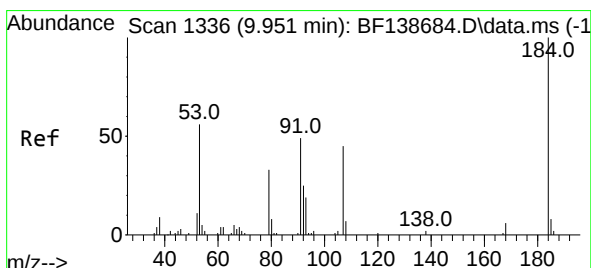
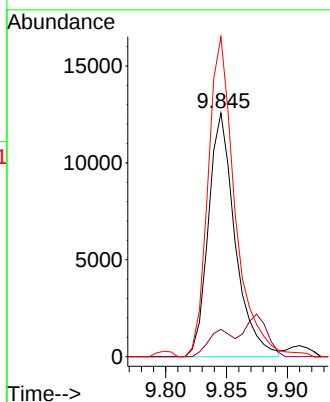
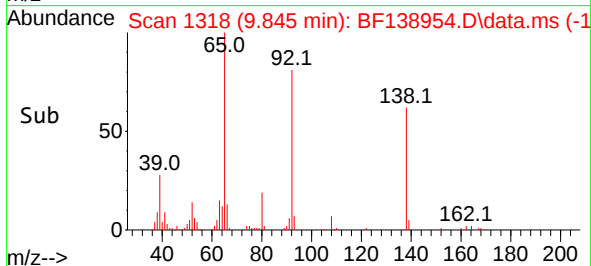
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



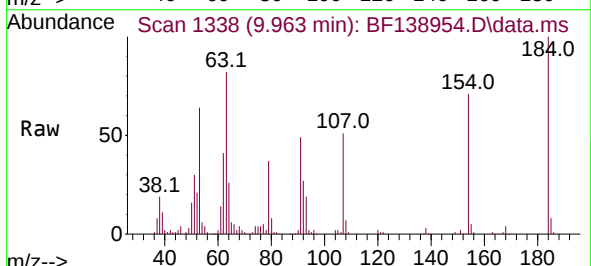
Tgt Ion:138 Resp: 19149
Ion Ratio Lower Upper
138 100
108 11.3 9.1 13.7
92 131.3 98.7 148.1

Manual Integrations
APPROVED

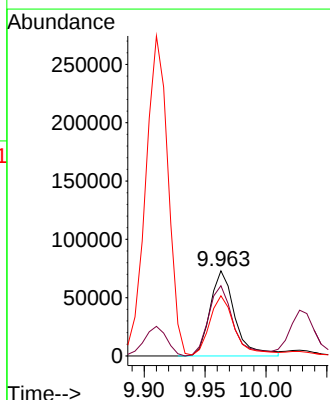
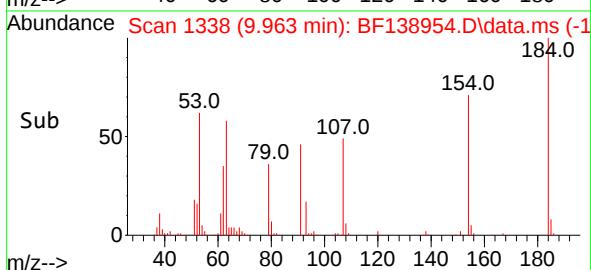
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024

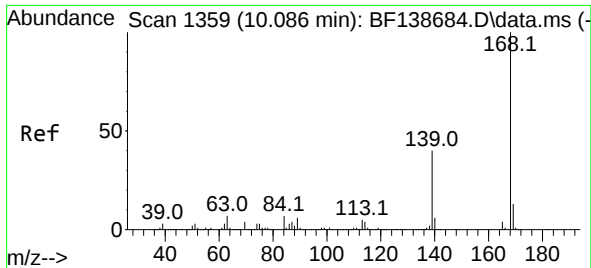


#54
2,4-Dinitrophenol
Concen: 142.493 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.012 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27



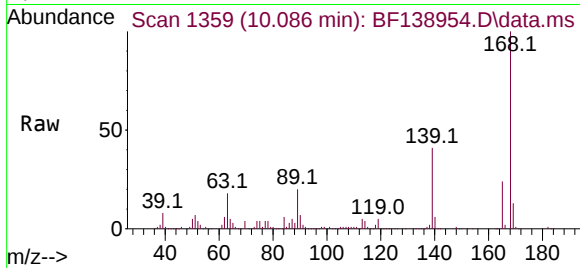
Tgt Ion:184 Resp: 104003
Ion Ratio Lower Upper
184 100
63 82.5 57.5 86.3
154 70.7 51.7 77.5





#55
Dibenzenofuran
Concen: 59.785 ng
RT: 10.086 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

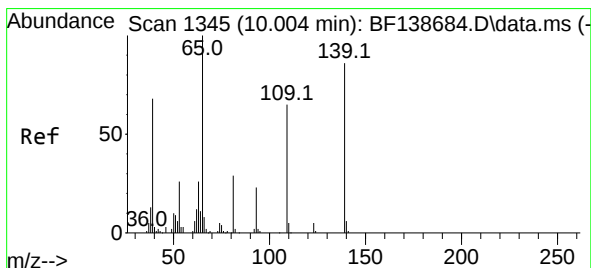
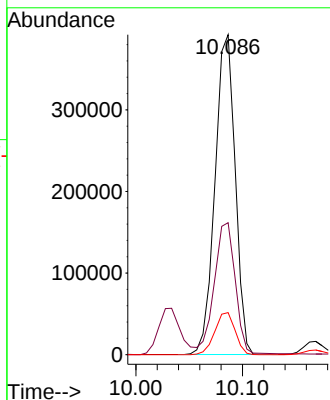
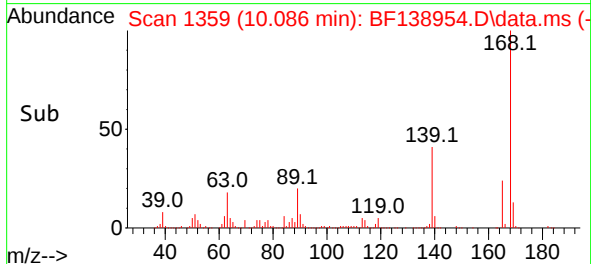
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



Tgt Ion:168 Resp: 51495
Ion Ratio Lower Upper
168 100
139 41.2 32.6 49.0
169 13.1 10.7 16.1

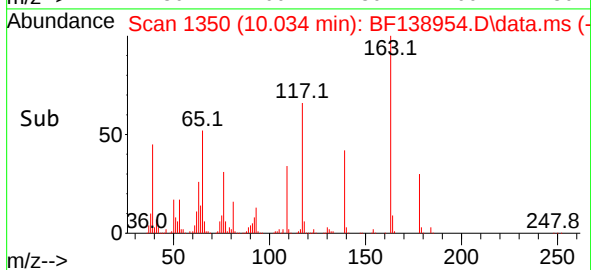
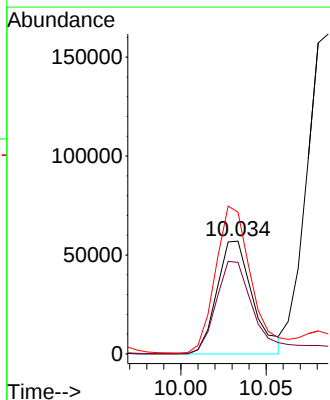
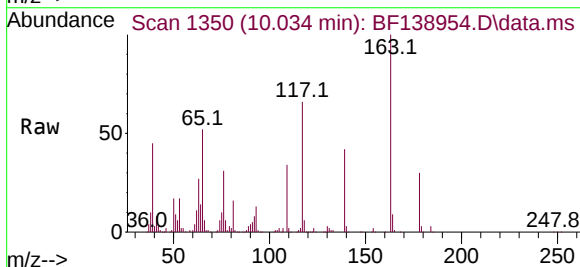
Manual Integrations
APPROVED

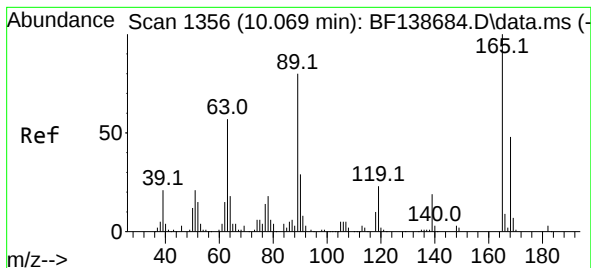
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#56
4-Nitrophenol
Concen: 84.710 ng
RT: 10.034 min Scan# 1350
Delta R.T. 0.030 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Tgt Ion:139 Resp: 83497
Ion Ratio Lower Upper
139 100
109 81.2 55.5 95.5
65 125.7 96.7 136.7





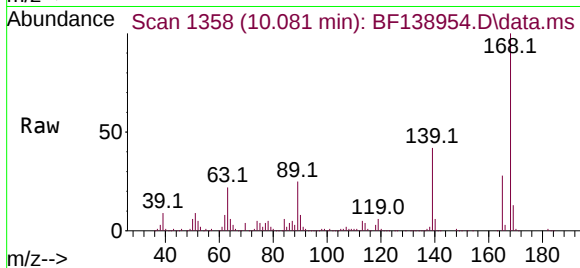
#57
2,4-Dinitrotoluene
Concen: 64.900 ng
RT: 10.081 min Scan# 1358
Delta R.T. 0.012 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Instrument :

BNA_F

ClientSampleId :

ARS20-0019MSD

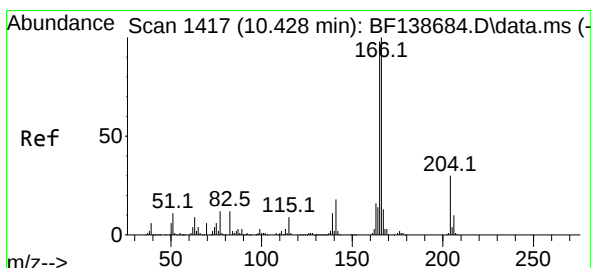
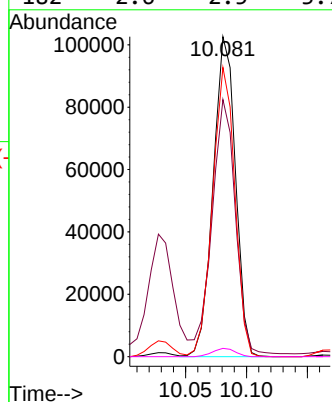
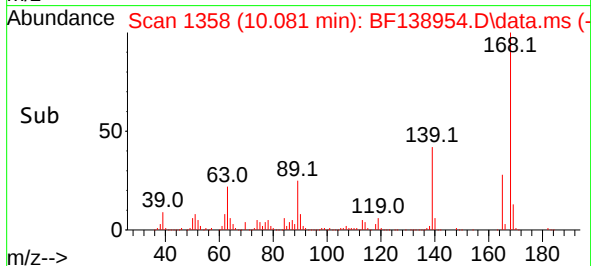


Tgt Ion:165 Resp: 131285
Ion Ratio Lower Upper
165 100
63 80.4 46.3 69.5
89 90.4 64.2 96.4
182 2.6 2.5 3.7

Manual Integrations

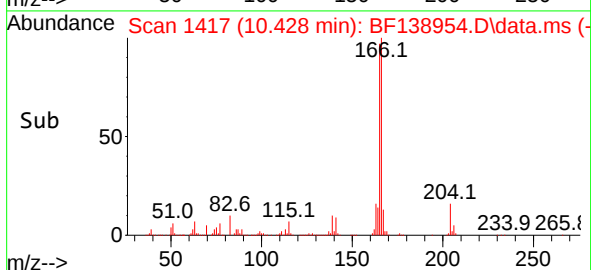
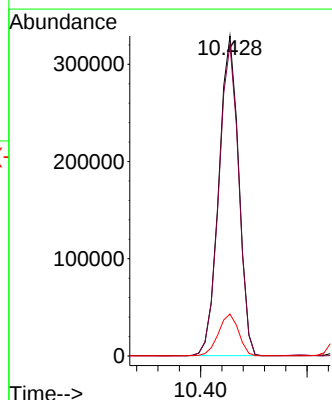
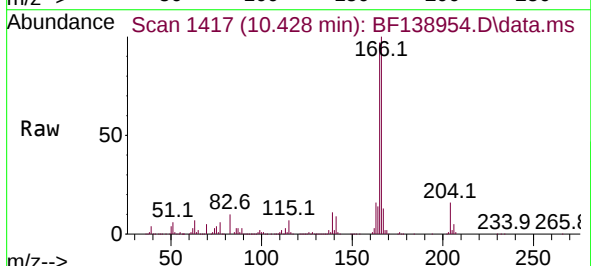
APPROVED

Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#58
Fluorene
Concen: 61.844 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

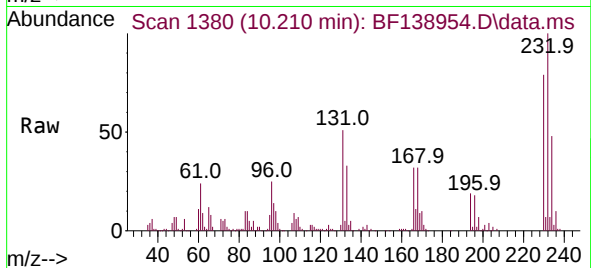
Tgt Ion:166 Resp: 424195
Ion Ratio Lower Upper
166 100
165 97.4 78.4 117.6
167 13.1 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 66.329 ng
RT: 10.210 min Scan# 1380
Delta R.T. 0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

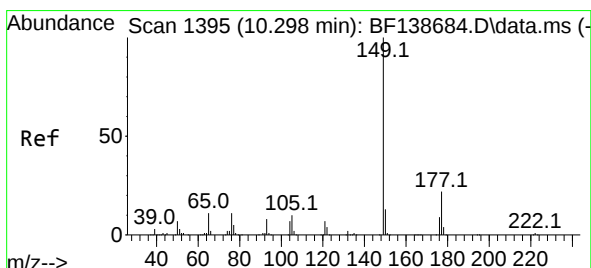
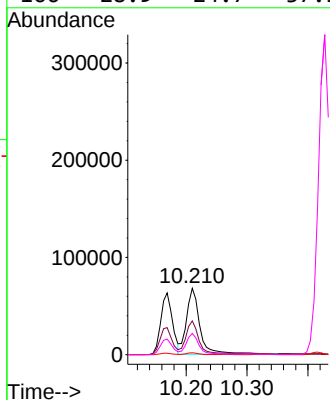
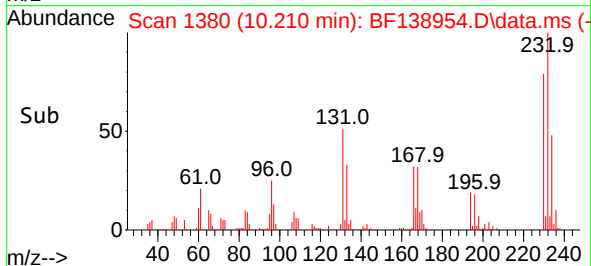
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



Tgt Ion:232 Resp: 103160
Ion Ratio Lower Upper
232 100
131 50.2 37.0 55.4
130 2.7 2.0 3.0
166 28.9 24.7 37.1

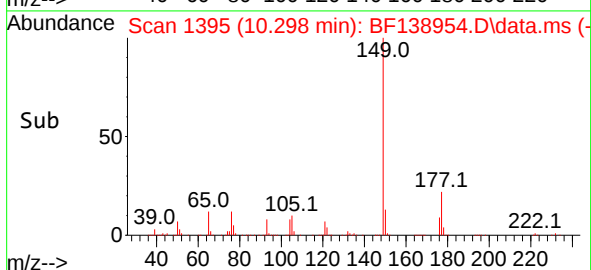
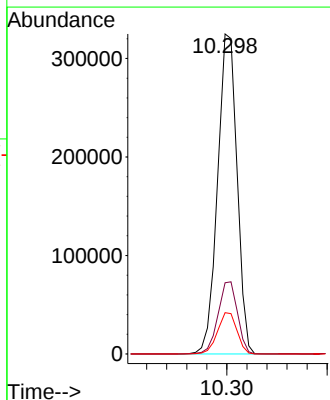
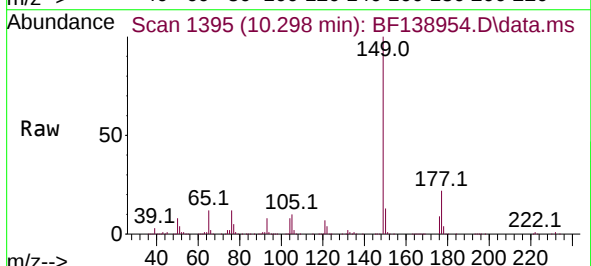
Manual Integrations
APPROVED

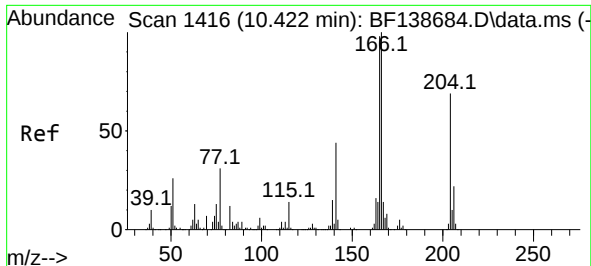
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#60
Diethylphthalate
Concen: 65.620 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Tgt Ion:149 Resp: 437130
Ion Ratio Lower Upper
149 100
177 22.3 17.8 26.8
150 12.9 10.1 15.1





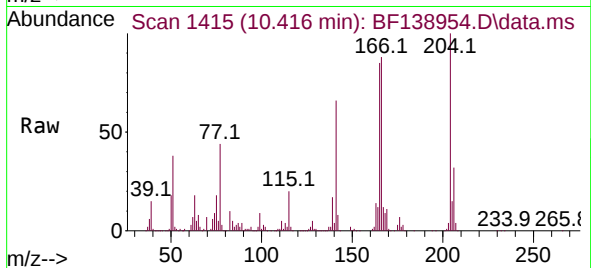
#61
4-Chlorophenyl-phenylether
Concen: 61.899 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Instrument :

BNA_F

ClientSampleId :

ARS20-0019MSD

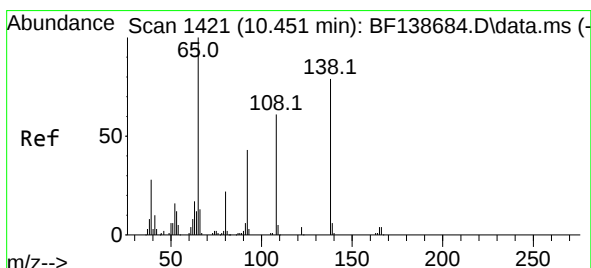
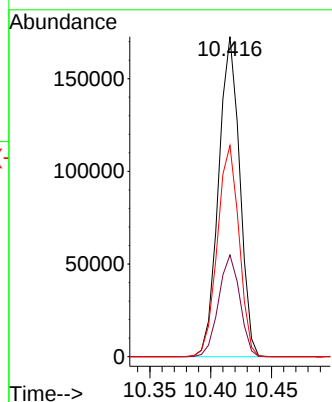
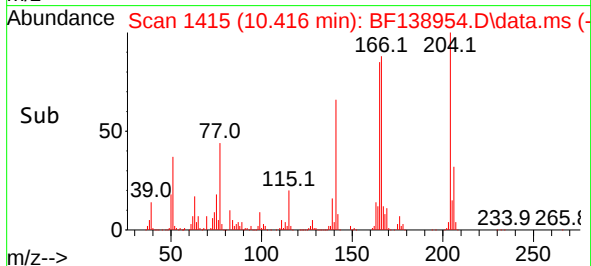


Tgt Ion:204 Resp: 208814
Ion Ratio Lower Upper
204 100
206 31.8 26.1 39.1
141 66.0 51.4 77.0

Manual Integrations

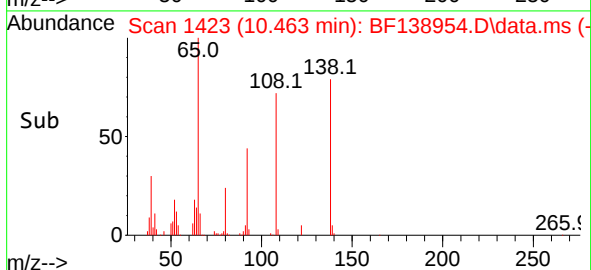
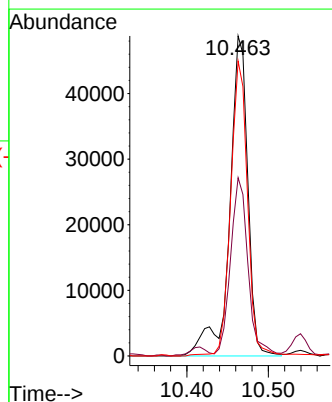
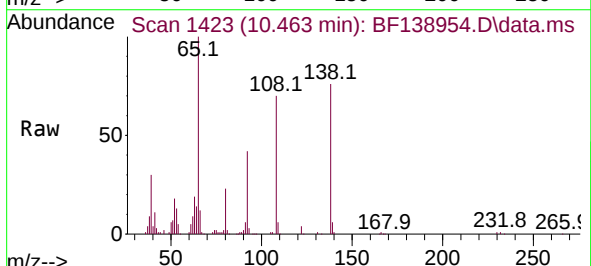
APPROVED

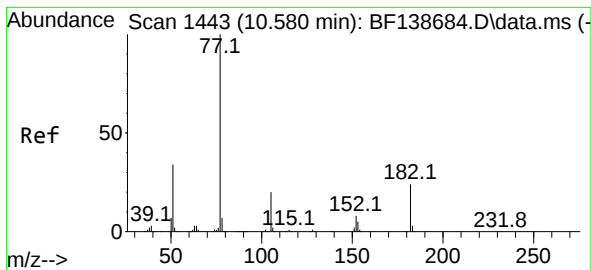
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#62
4-Nitroaniline
Concen: 48.592 ng m
RT: 10.463 min Scan# 1423
Delta R.T. 0.012 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Tgt Ion:138 Resp: 75690
Ion Ratio Lower Upper
138 100
92 55.7 34.2 74.2
108 92.1 56.2 96.2





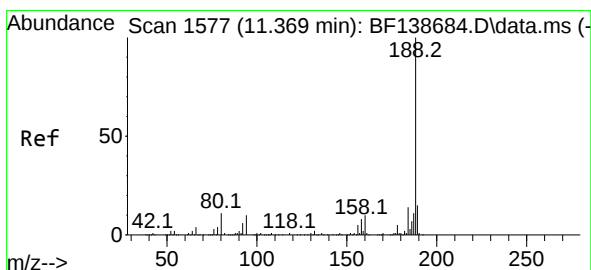
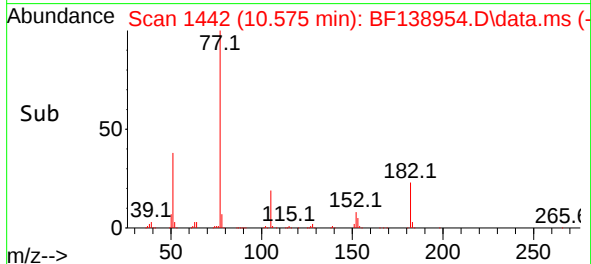
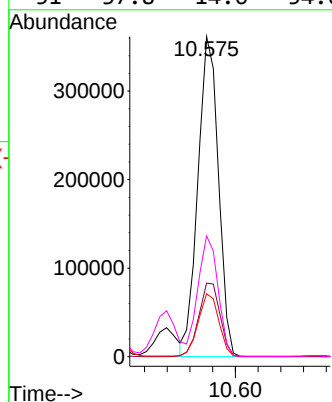
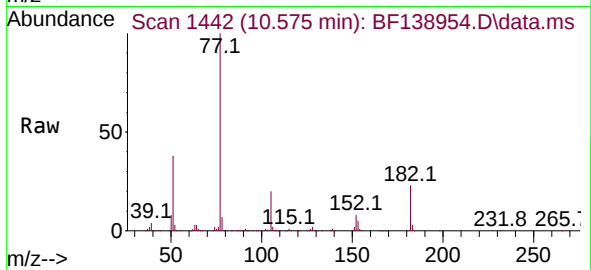
#63
Azobenzene
Concen: 61.311 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD

Tgt Ion: 77 Resp: 452980
Ion Ratio Lower Upper
77 100
182 23.0 3.4 43.4
105 19.7 0.2 40.2
51 37.8 14.6 54.6

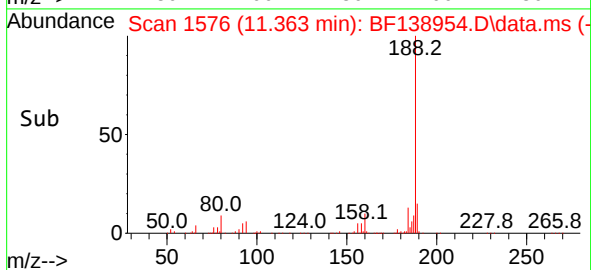
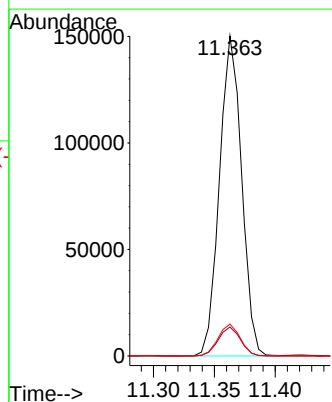
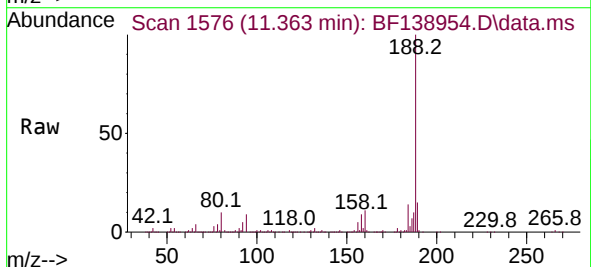
Manual Integrations
APPROVED

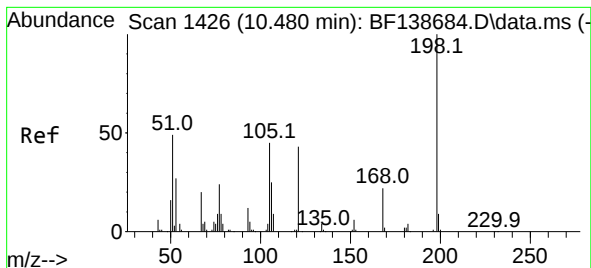
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

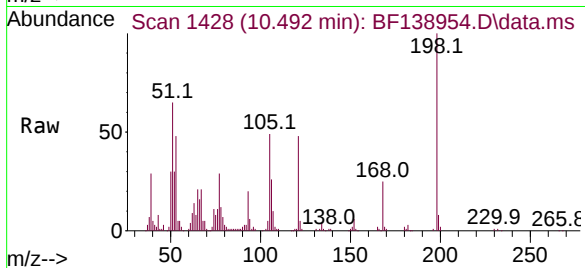
Tgt Ion:188 Resp: 190369
Ion Ratio Lower Upper
188 100
94 9.0 7.6 11.4
80 9.9 8.6 12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 66.336 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.012 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

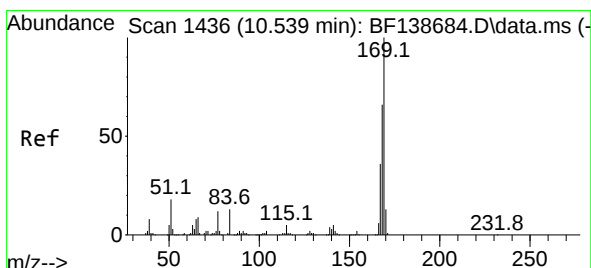
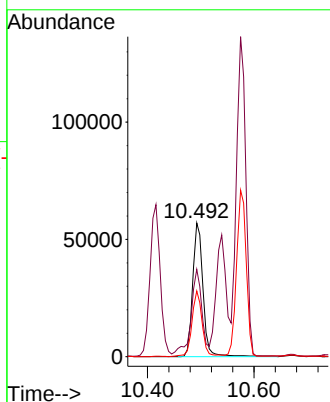
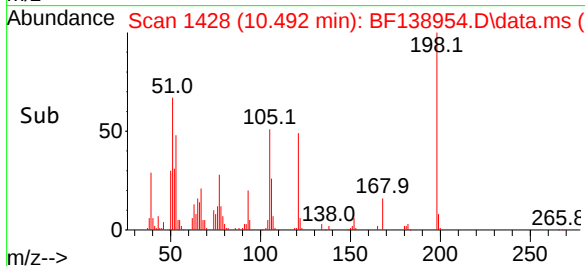
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



Tgt Ion:198 Resp: 77044
Ion Ratio Lower Upper
198 100
51 65.4 39.9 79.9
105 49.2 26.1 66.1

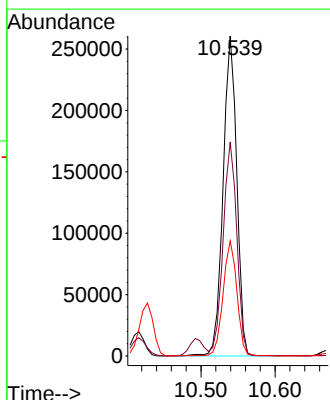
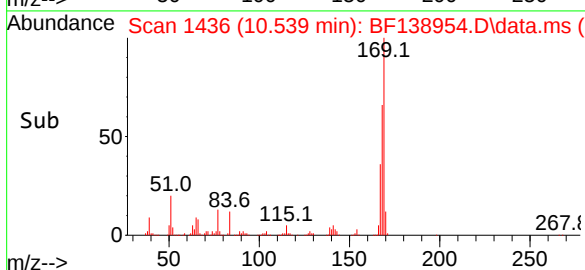
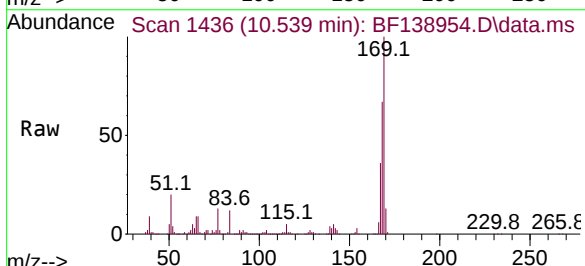
Manual Integrations
APPROVED

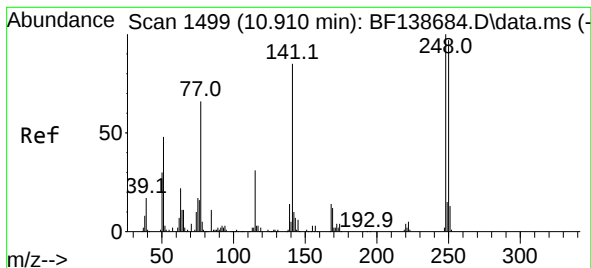
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#66
n-Nitrosodiphenylamine
Concen: 56.197 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

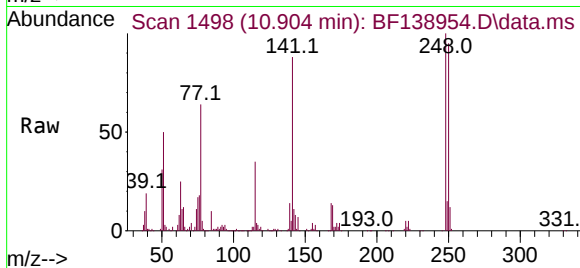
Tgt Ion:169 Resp: 334399
Ion Ratio Lower Upper
169 100
168 66.9 53.0 79.6
167 36.0 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 59.537 ng
RT: 10.904 min Scan# 1499
Delta R.T. -0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

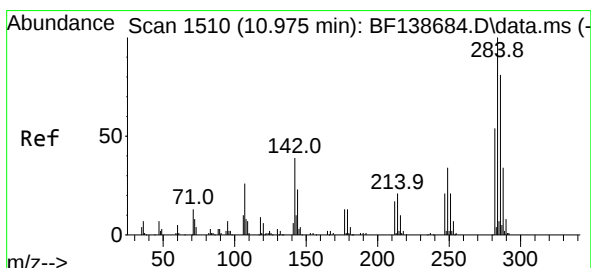
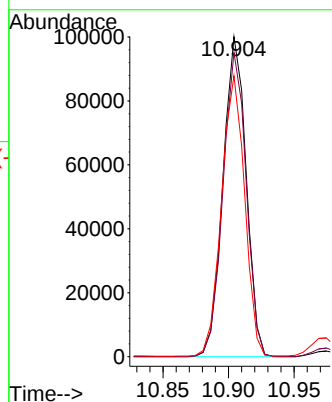
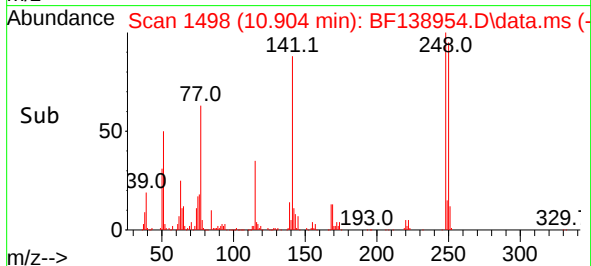
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



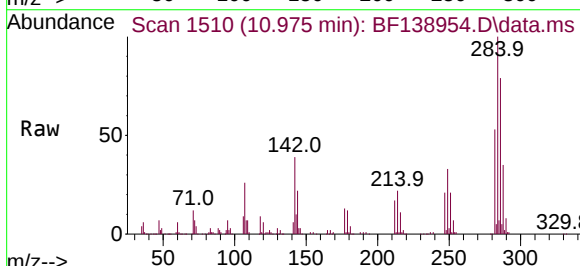
Tgt Ion:248 Resp: 122711
Ion Ratio Lower Upper
248 100
250 95.0 77.7 116.5
141 87.8 68.0 102.0

Manual Integrations
APPROVED

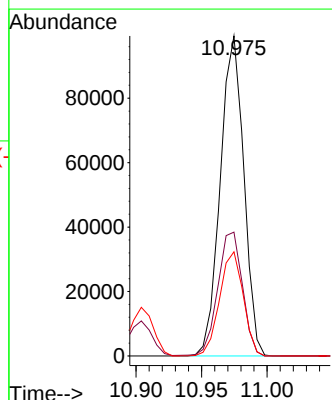
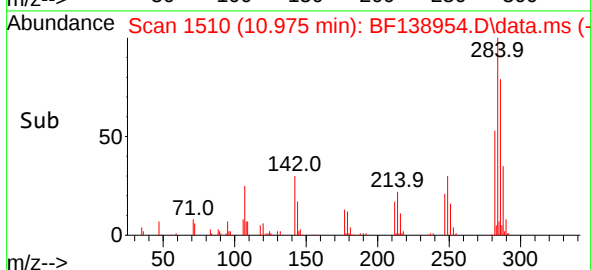
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024

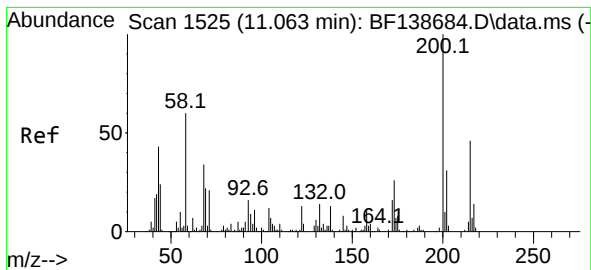


#68
Hexachlorobenzene
Concen: 58.172 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27



Tgt Ion:284 Resp: 123796
Ion Ratio Lower Upper
284 100
142 38.7 31.3 46.9
249 32.6 27.2 40.8





#69

Atrazine

Concen: 46.685 ng

RT: 11.063 min Scan# 1525

Delta R.T. 0.000 min

Lab File: BF138954.D

Acq: 13 Aug 2024 01:27

Instrument :

BNA_F

ClientSampleId :

ARS20-0019MSD

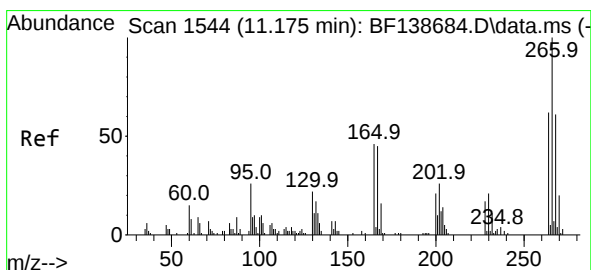
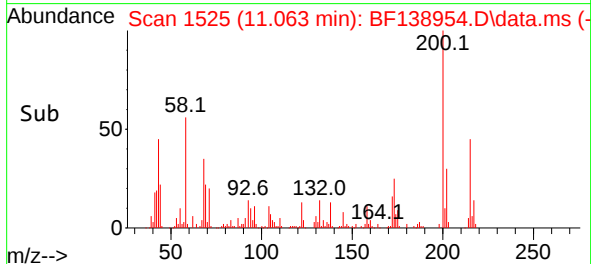
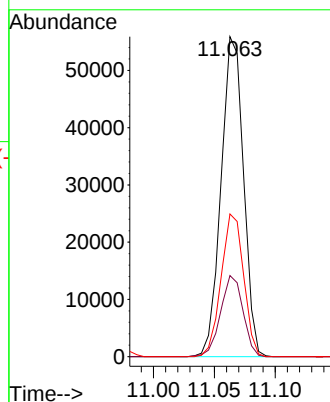
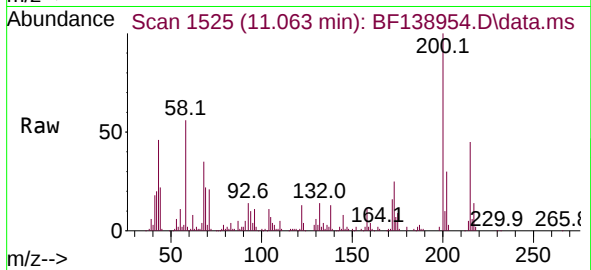
Tgt Ion:200	Resp:	7167
Ion Ratio	Lower	Upper
200	100	
173	25.4	6.0 46.0
215	44.6	26.1 66.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#70

Pentachlorophenol

Concen: 113.671 ng

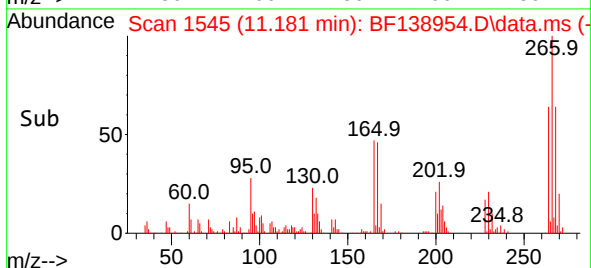
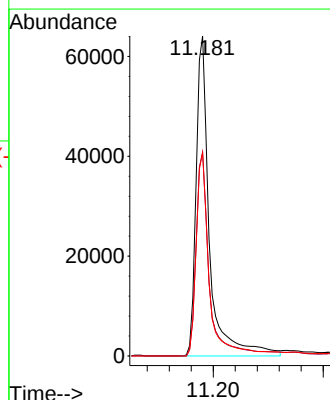
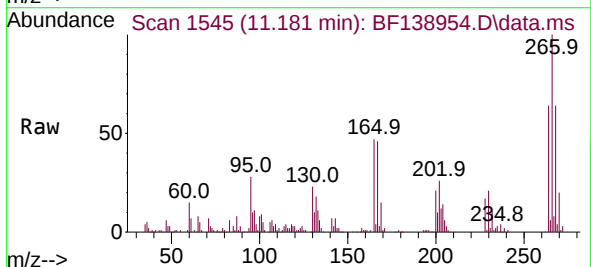
RT: 11.181 min Scan# 1545

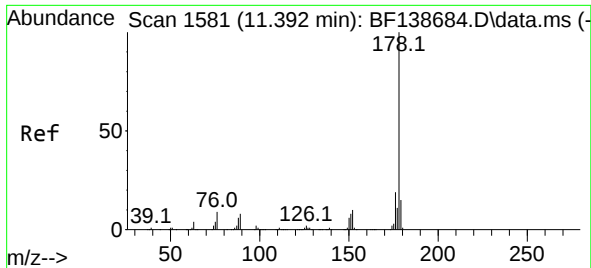
Delta R.T. 0.006 min

Lab File: BF138954.D

Acq: 13 Aug 2024 01:27

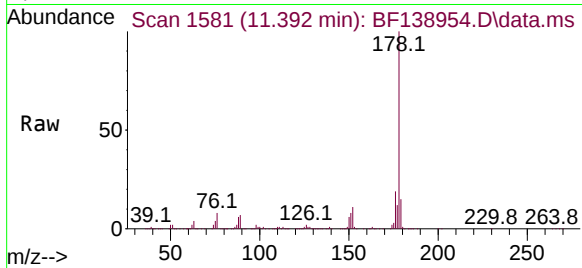
Tgt Ion:266	Resp:	109036
Ion Ratio	Lower	Upper
266	100	
268	63.7	49.2 73.8
264	63.6	49.8 74.6





#71
Phenanthrene
Concen: 61.155 ng
RT: 11.392 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

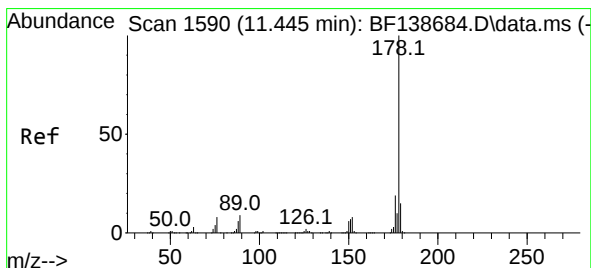
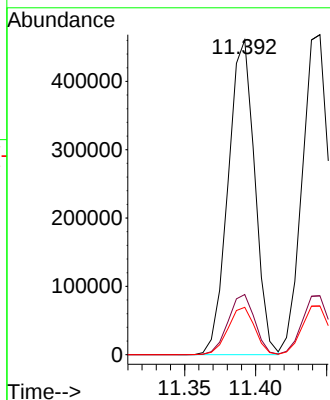
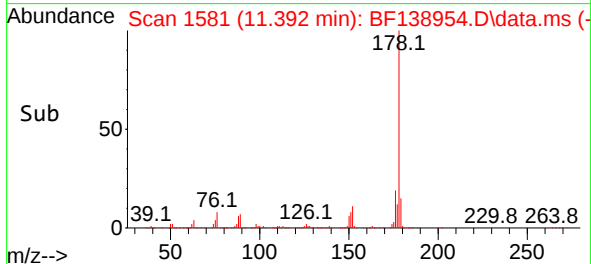
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



Tgt Ion:178 Resp: 59946
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.0 12.2 18.2

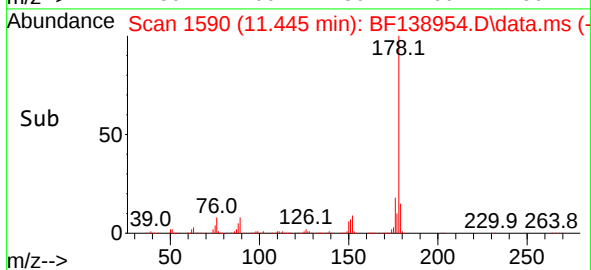
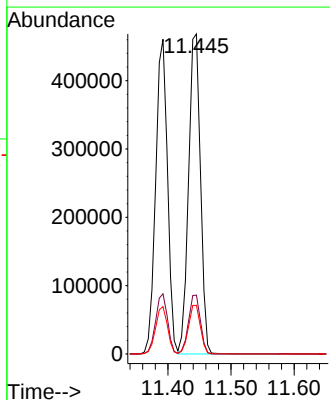
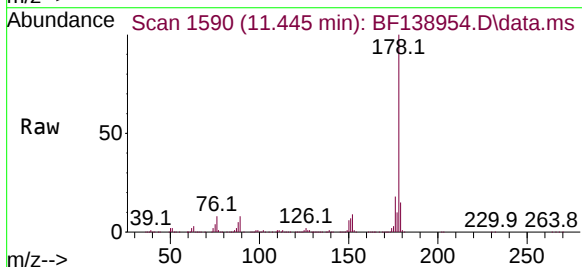
Manual Integrations
APPROVED

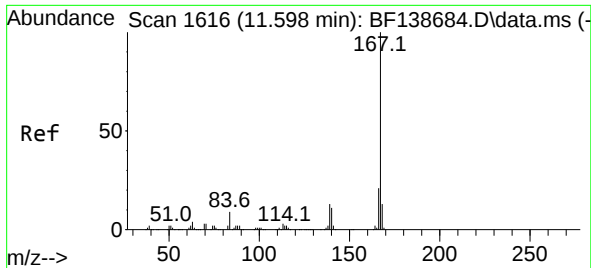
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#72
Anthracene
Concen: 63.570 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

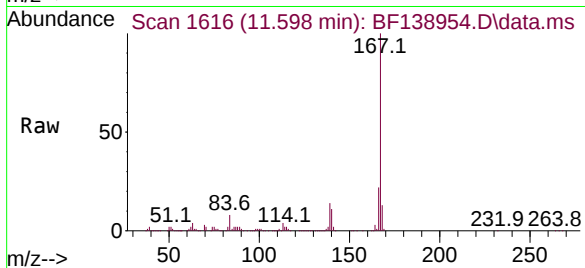
Tgt Ion:178 Resp: 613883
Ion Ratio Lower Upper
178 100
176 18.4 14.9 22.3
179 15.2 12.4 18.6





#73
 Carbazole
 Concen: 55.433 ng
 RT: 11.598 min Scan# 1616
 Delta R.T. 0.000 min
 Lab File: BF138954.D
 Acq: 13 Aug 2024 01:27

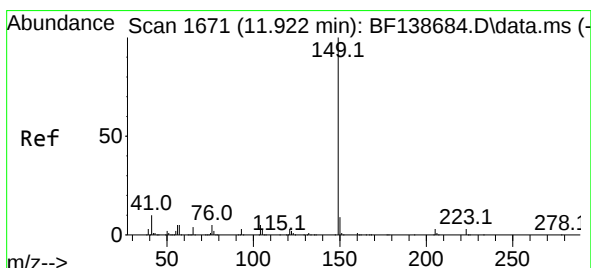
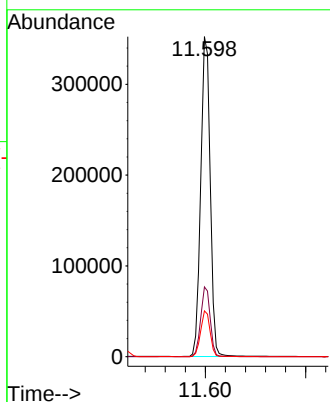
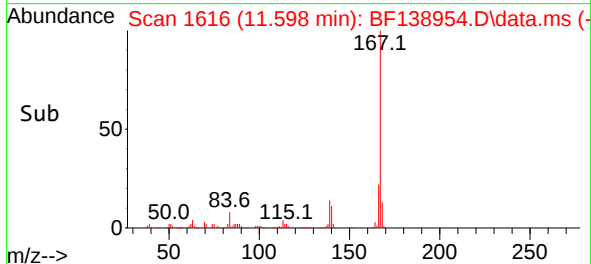
Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0019MSD



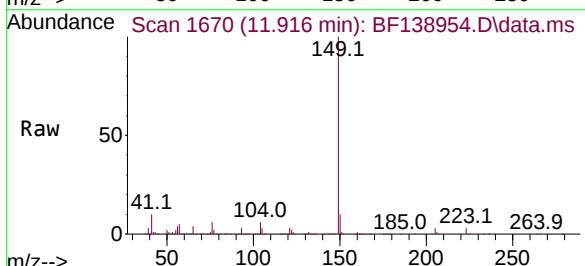
Tgt Ion:167 Resp: 46183
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.2 25.8
 139 14.3 10.6 16.0

Manual Integrations
 APPROVED

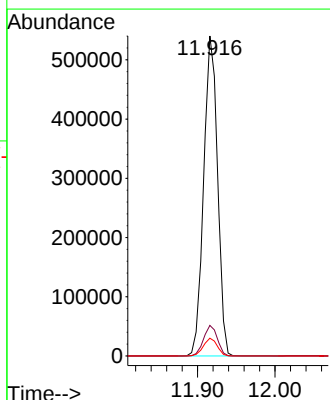
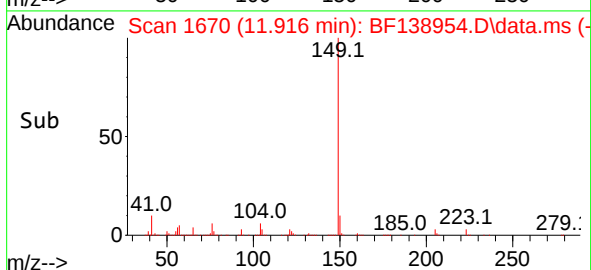
Reviewed By :Yogesh Patel 08/13/2024
 Supervised By :mohammad ahmed 08/13/2024

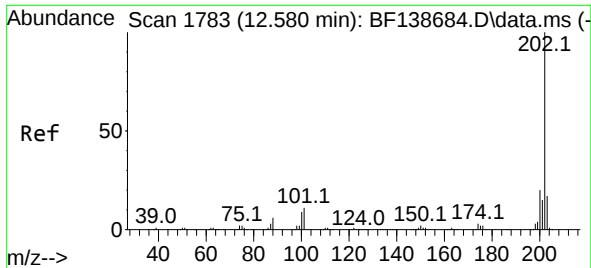


#74
 Di-n-butylphthalate
 Concen: 71.675 ng
 RT: 11.916 min Scan# 1670
 Delta R.T. -0.006 min
 Lab File: BF138954.D
 Acq: 13 Aug 2024 01:27



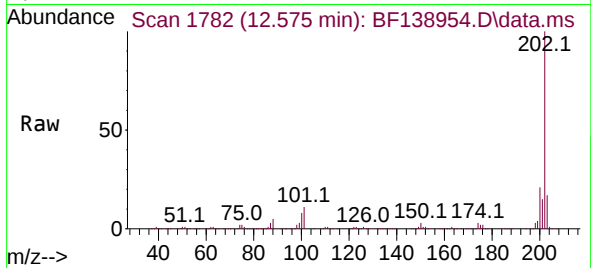
Tgt Ion:149 Resp: 671299
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.4 11.0
 104 5.5 4.1 6.1





#75
Fluoranthene
Concen: 60.787 ng
RT: 12.575 min Scan# 1783
Delta R.T. -0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

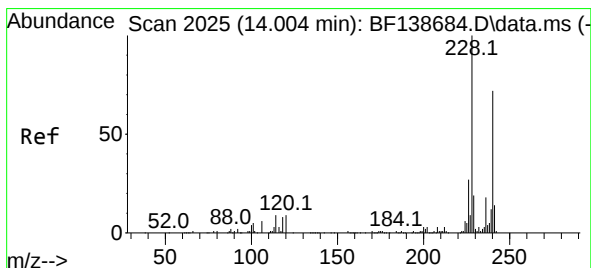
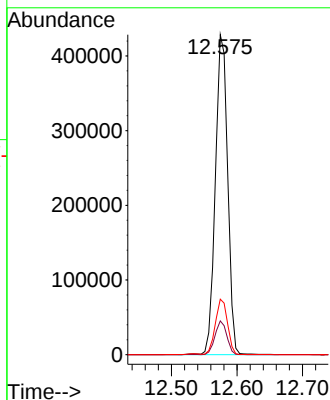
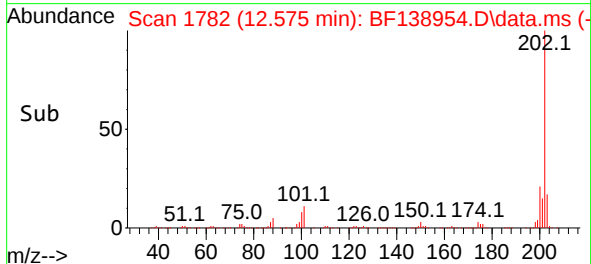
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



Tgt Ion:202 Resp: 556279
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.2
203 17.4 0.0 37.3

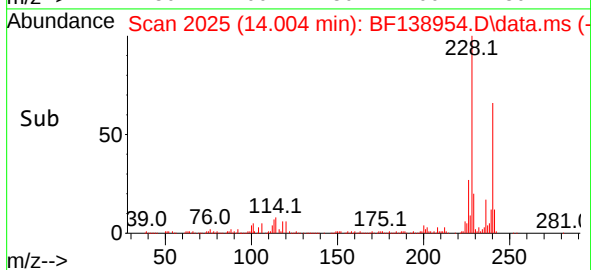
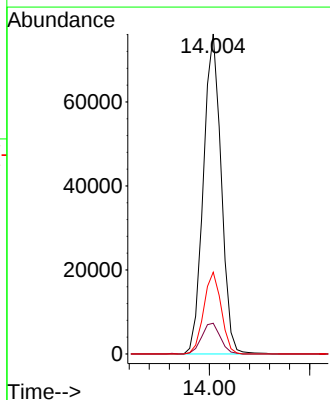
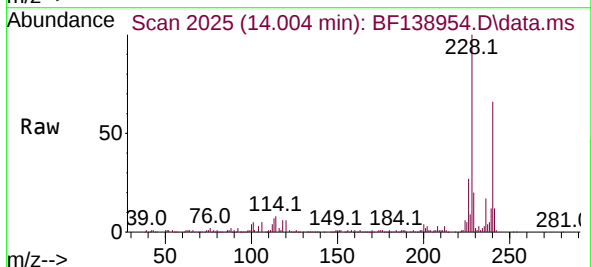
Manual Integrations
APPROVED

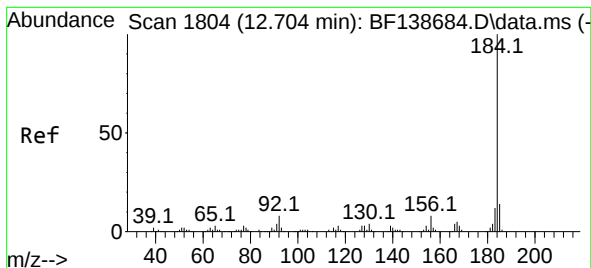
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Tgt Ion:240 Resp: 94067
Ion Ratio Lower Upper
240 100
120 9.6 10.2 15.4#
236 25.6 19.8 29.8





#77

Benzidine

Concen: 3.441 ng

RT: 12.716 min Scan# 1806

Delta R.T. 0.012 min

Lab File: BF138954.D

Acq: 13 Aug 2024 01:27

Instrument :

BNA_F

ClientSampleId :

ARS20-0019MSD

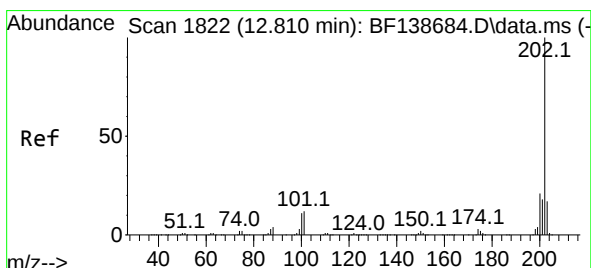
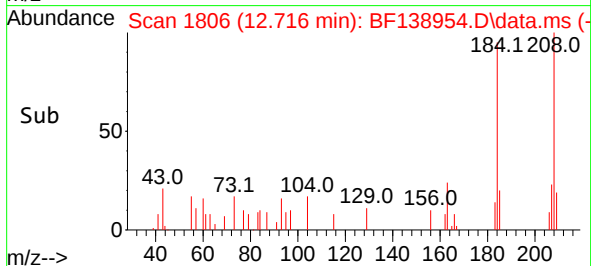
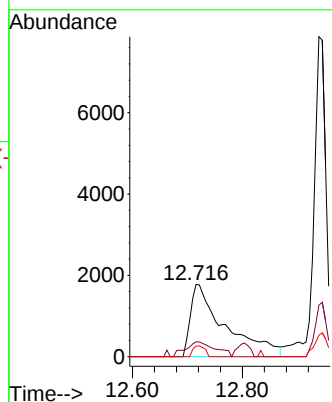
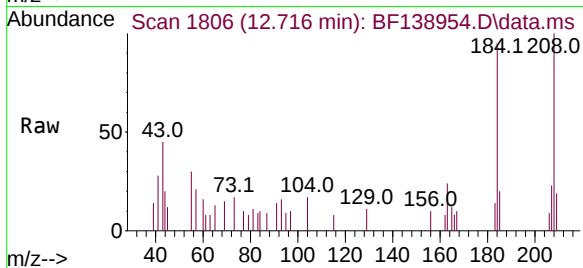
Tgt Ion:184	Resp:	774
Ion Ratio	Lower	Upper
184	100	
185	20.6	11.1 16.7
183	14.6	9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#78

Pyrene

Concen: 61.848 ng

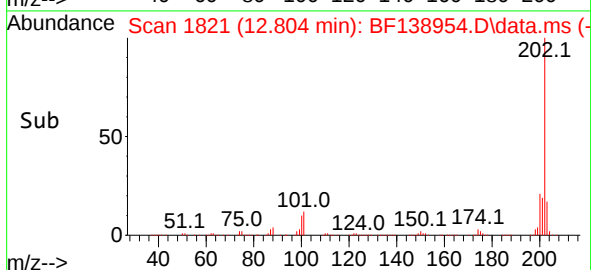
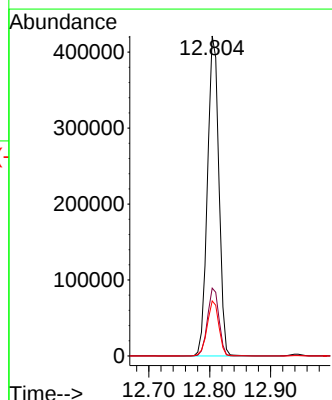
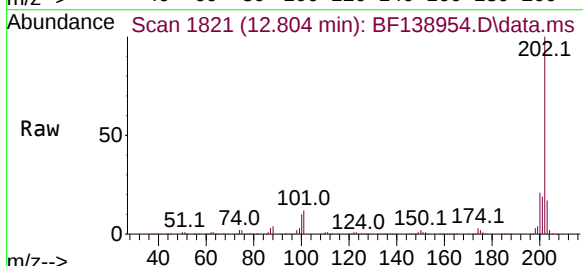
RT: 12.804 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF138954.D

Acq: 13 Aug 2024 01:27

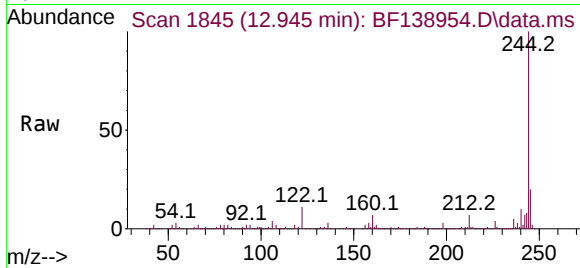
Tgt Ion:202	Resp:	547770
Ion Ratio	Lower	Upper
202	100	
200	21.2	16.8 25.2
203	17.2	13.8 20.6





#79
 Terphenyl-d14
 Concen: 132.659 ng
 RT: 12.945 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: BF138954.D
 Acq: 13 Aug 2024 01:27

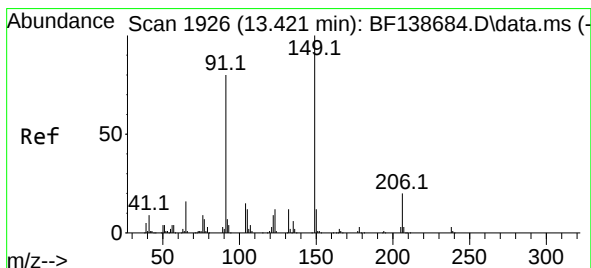
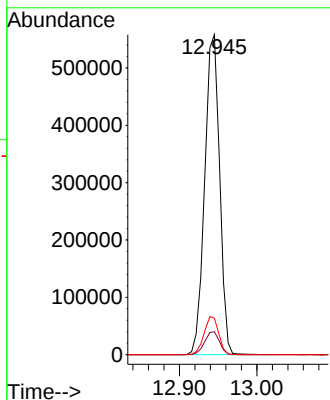
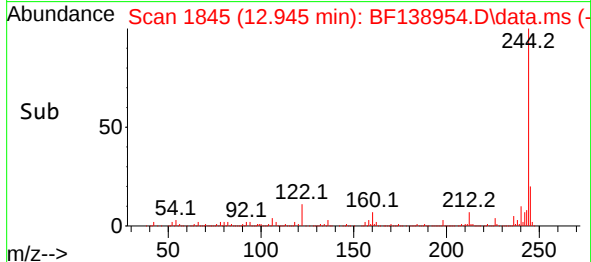
Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0019MSD



Tgt Ion:244 Resp: 745329
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.2
 122 11.4 9.6 14.4

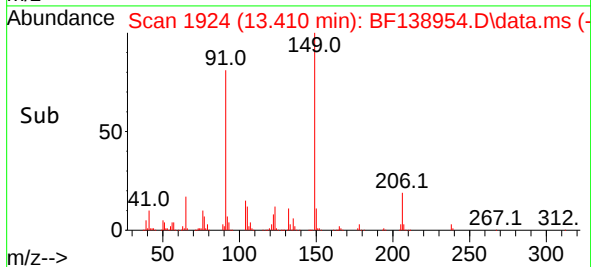
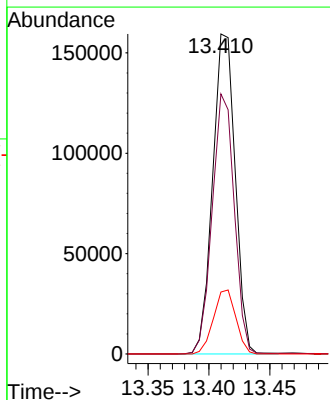
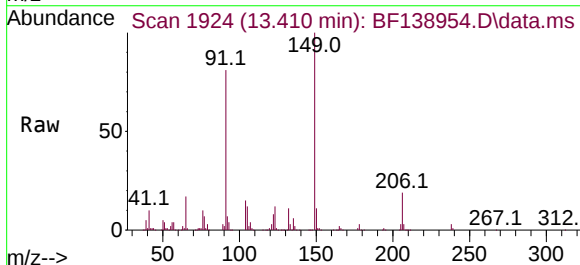
Manual Integrations
 APPROVED

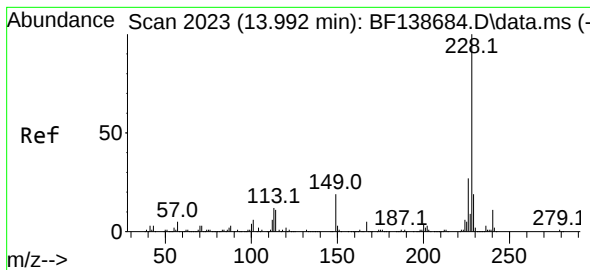
Reviewed By :Yogesh Patel 08/13/2024
 Supervised By :mohammad ahmed 08/13/2024



#80
 Butylbenzylphthalate
 Concen: 72.516 ng
 RT: 13.410 min Scan# 1924
 Delta R.T. -0.012 min
 Lab File: BF138954.D
 Acq: 13 Aug 2024 01:27

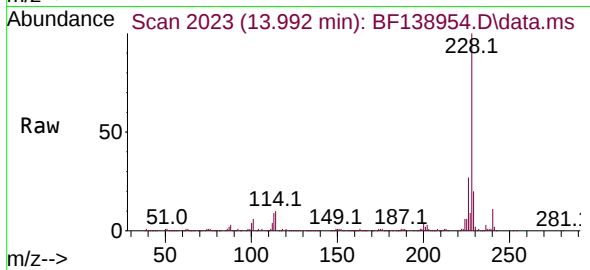
Tgt Ion:149 Resp: 205666
 Ion Ratio Lower Upper
 149 100
 91 81.2 63.7 95.5
 206 19.4 16.2 24.2





#81
Benzo(a)anthracene
Concen: 59.067 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

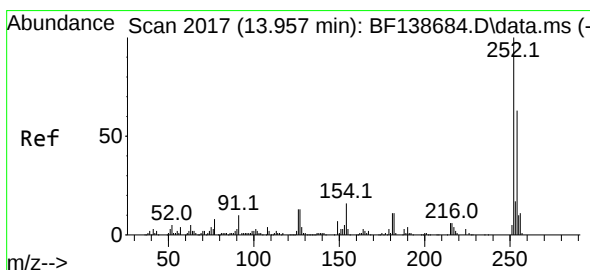
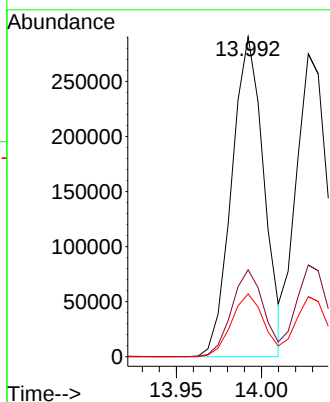
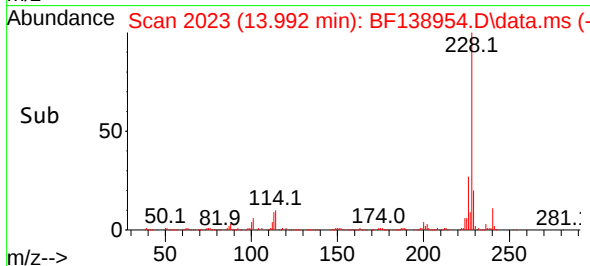
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



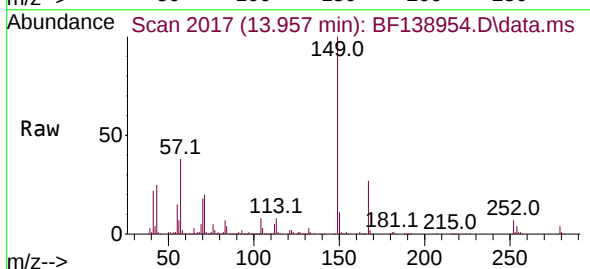
Tgt Ion:228 Resp: 382614
Ion Ratio Lower Upper
228 100
226 27.2 22.1 33.1
229 19.6 15.4 23.0

Manual Integrations
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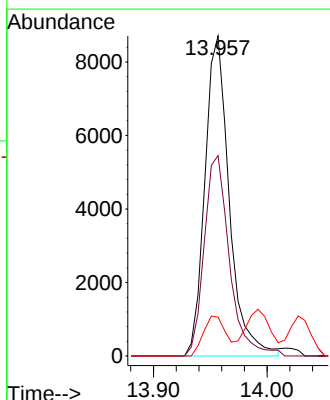
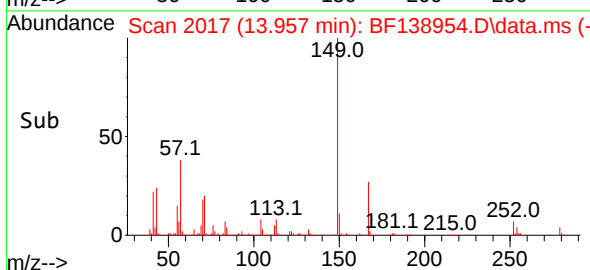
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024

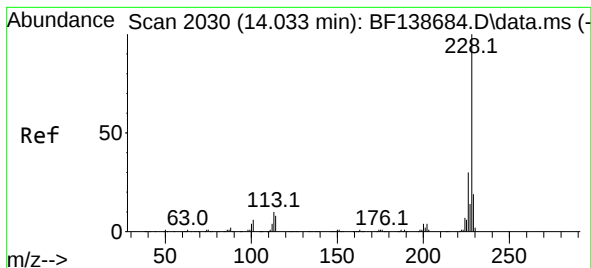


#82
3,3'-Dichlorobenzidine
Concen: 7.836 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27



Tgt Ion:252 Resp: 12990
Ion Ratio Lower Upper
252 100
254 62.6 50.8 76.2
126 12.2 10.2 15.2





#83

Chrysene

Concen: 60.235 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF138954.D

Acq: 13 Aug 2024 01:27

Instrument :

BNA_F

ClientSampleId :

ARS20-0019MSD

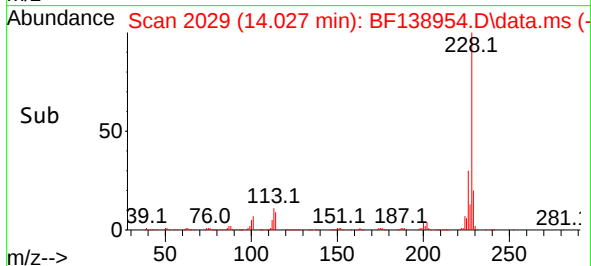
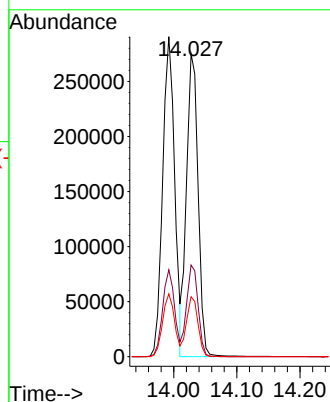
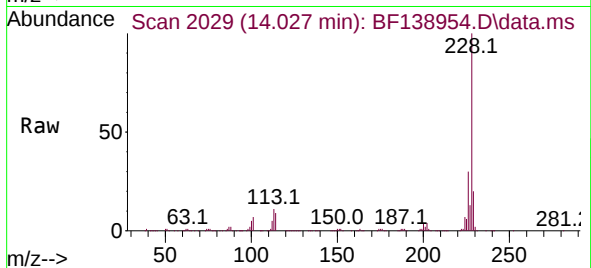
Tgt Ion:	228	Resp:	352019
Ion Ratio	Lower	Upper	
228	100		
226	30.3	23.7	35.5
229	19.8	15.0	22.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 62.287 ng

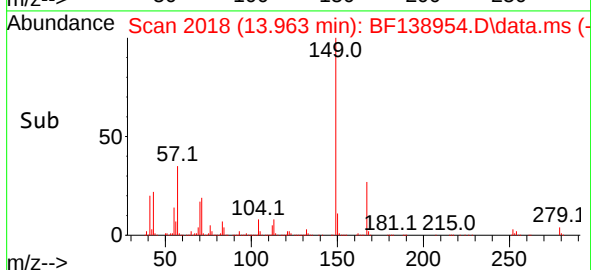
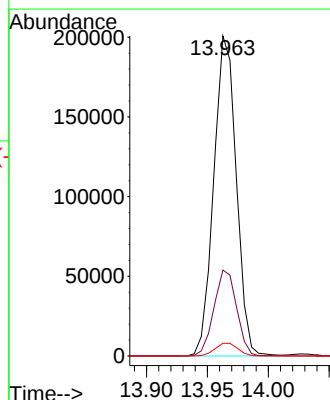
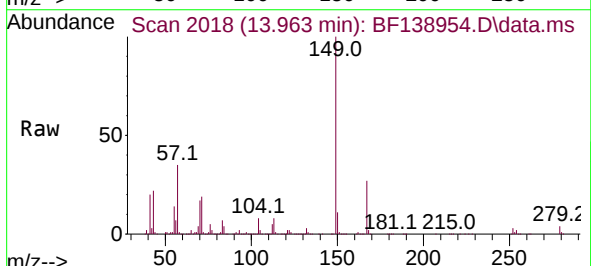
RT: 13.963 min Scan# 2018

Delta R.T. -0.018 min

Lab File: BF138954.D

Acq: 13 Aug 2024 01:27

Tgt Ion:	149	Resp:	258684
Ion Ratio	Lower	Upper	
149	100		
167	26.9	22.2	33.4
279	3.9	3.4	5.0





#85

Di-n-octyl phthalate

Concen: 51.765 ng

RT: 14.574 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138954.D

Acq: 13 Aug 2024 01:27

Instrument :

BNA_F

ClientSampleId :

ARS20-0019MSD

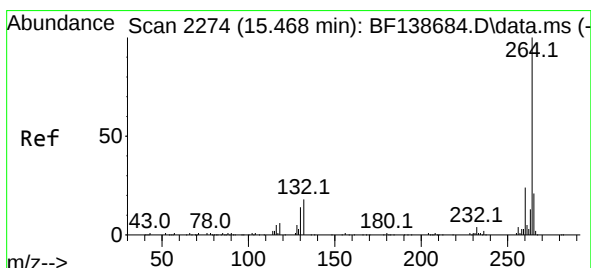
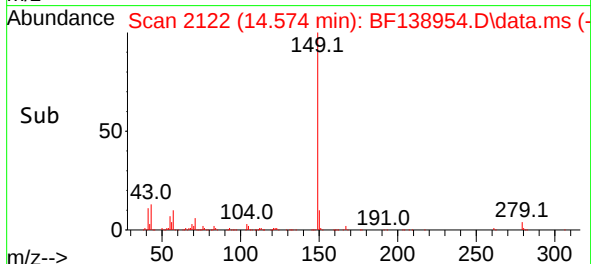
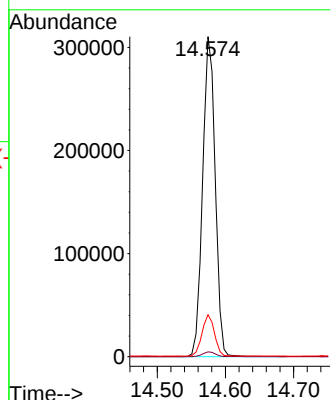
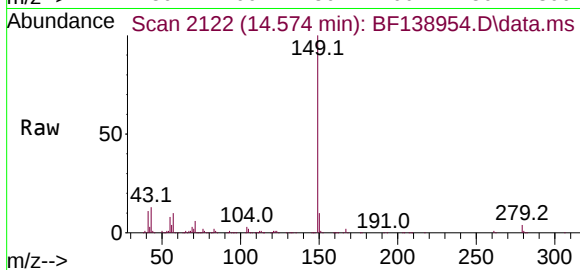
Tgt Ion:149 Resp: 39775
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.4 2.0
 43 12.7 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#86

Perylene-d12

Concen: 20.000 ng

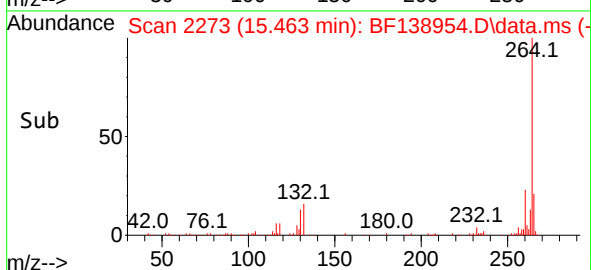
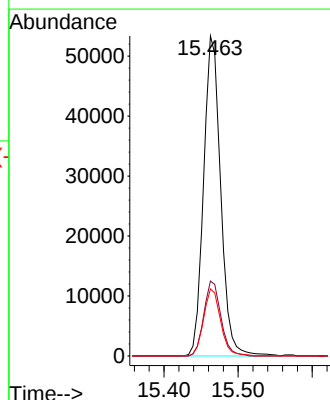
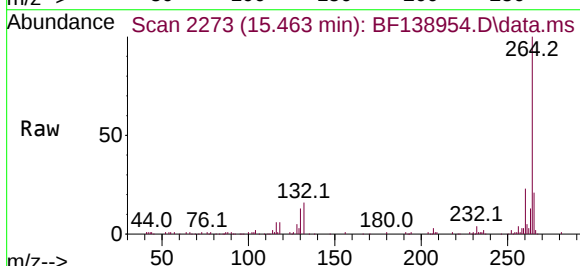
RT: 15.463 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF138954.D

Acq: 13 Aug 2024 01:27

Tgt Ion:264 Resp: 85424
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.0 28.6
 265 21.0 17.0 25.6





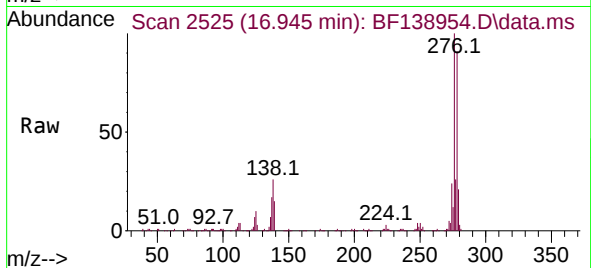
#87
Indeno(1,2,3-cd)pyrene
Concen: 49.845 ng
RT: 16.945 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

Instrument :

BNA_F

ClientSampleId :

ARS20-0019MSD

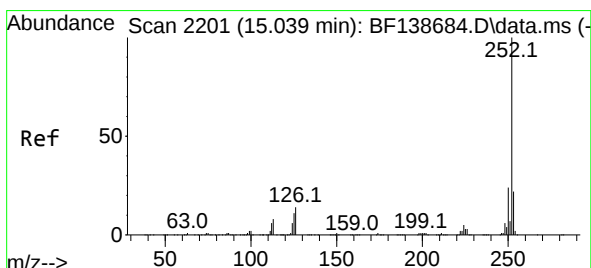
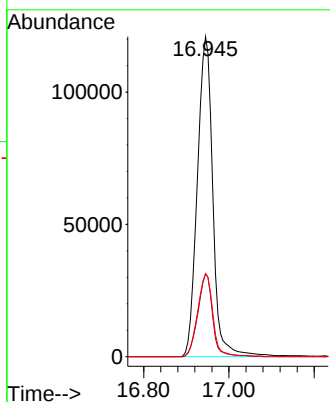
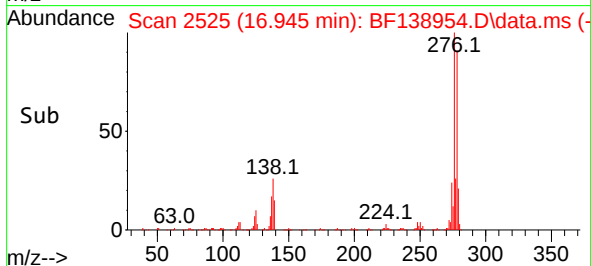


Tgt Ion:276 Resp: 30514
Ion Ratio Lower Upper
276 100
138 24.4 21.8 32.8
277 25.6 20.6 30.8

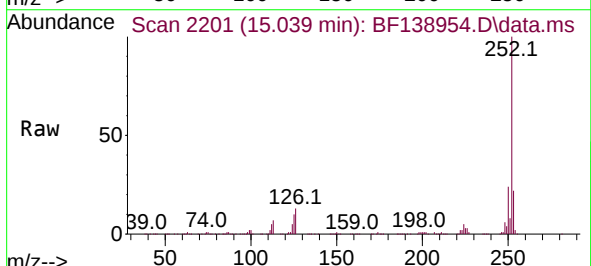
Manual Integrations

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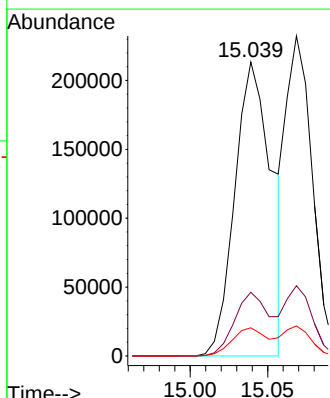
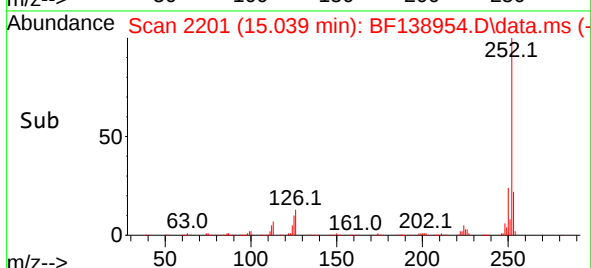
Reviewed By :Yogesh Patel 08/13/2024
Supervised By :mohammad ahmed 08/13/2024

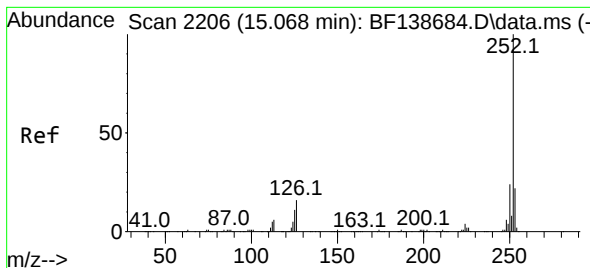


#88
Benzo(b)fluoranthene
Concen: 66.480 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27



Tgt Ion:252 Resp: 352043
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 9.6 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 60.318 ng

RT: 15.069 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BF138954.D

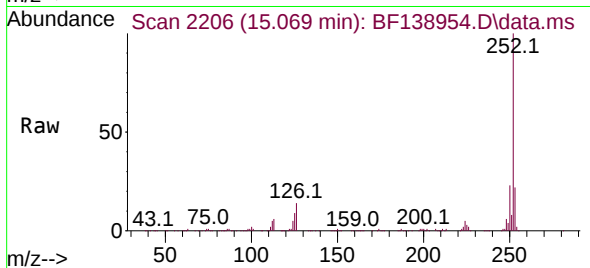
Acq: 13 Aug 2024 01:27

Instrument :

BNA_F

ClientSampleId :

ARS20-0019MSD



Tgt Ion:252 Resp: 276550

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

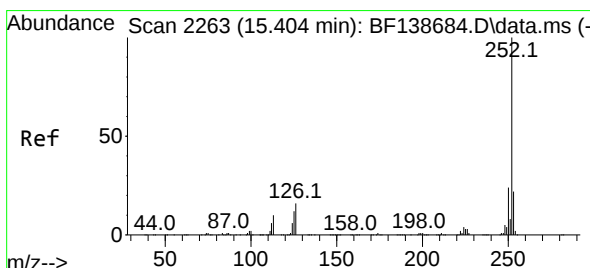
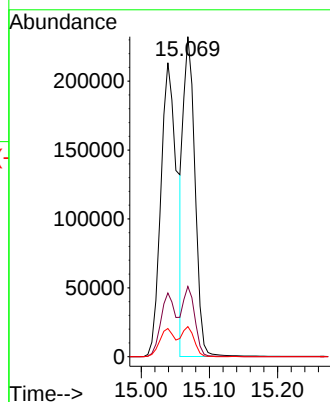
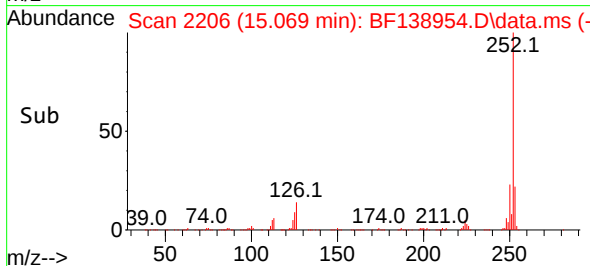
125 9.4 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#90

Benzo(a)pyrene

Concen: 64.821 ng

RT: 15.404 min Scan# 2263

Delta R.T. 0.000 min

Lab File: BF138954.D

Acq: 13 Aug 2024 01:27

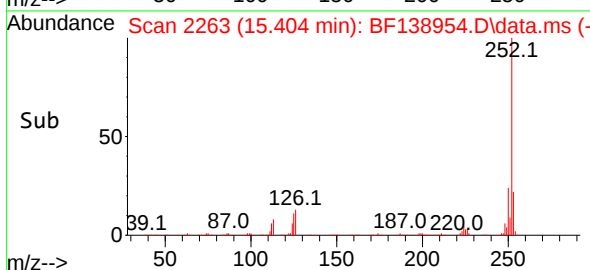
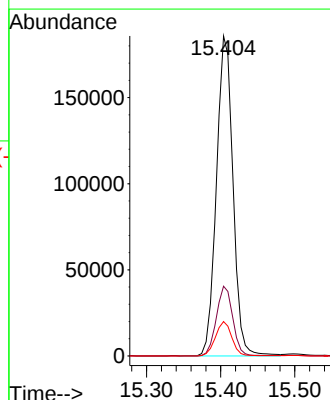
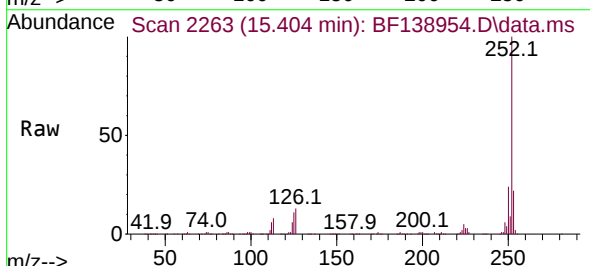
Tgt Ion:252 Resp: 288727

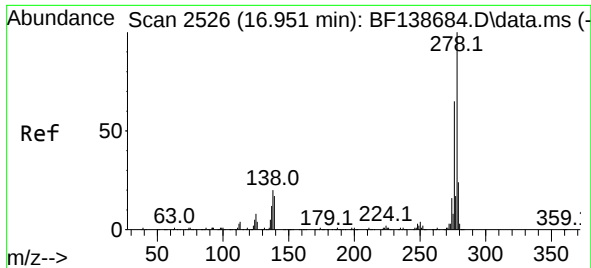
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

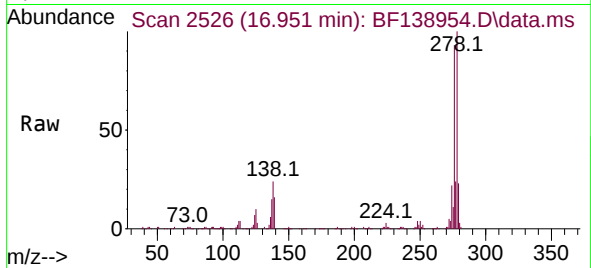
125 10.8 9.5 14.3





#91
Dibenzo(a,h)anthracene
Concen: 50.512 ng
RT: 16.951 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27

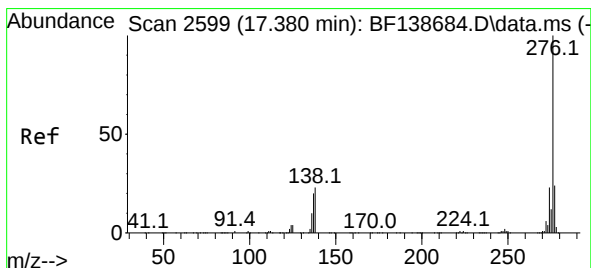
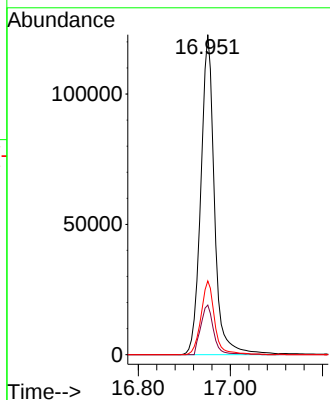
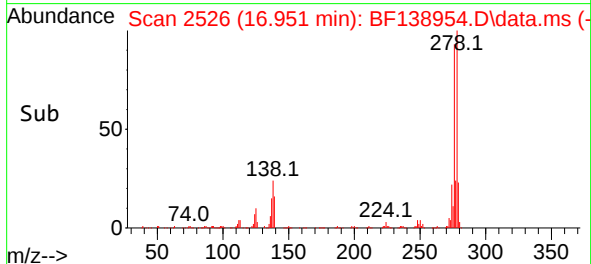
Instrument :
BNA_F
ClientSampleId :
ARS20-0019MSD



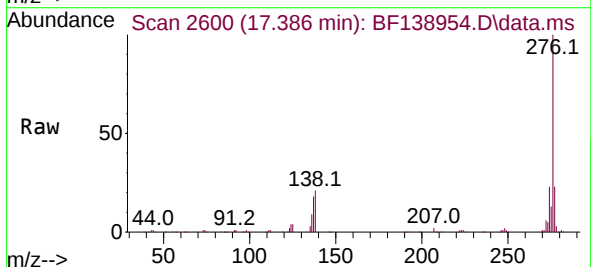
Tgt Ion: 278 Resp: 25383
Ion Ratio Lower Upper
278 100
139 15.5 14.0 21.0
279 23.0 19.0 28.4

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 08/13/2024
Supervised By : mohammad ahmed 08/13/2024



#92
Benzo(g,h,i)perylene
Concen: 41.619 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF138954.D
Acq: 13 Aug 2024 01:27



Tgt Ion: 276 Resp: 217029
Ion Ratio Lower Upper
276 100
277 23.2 19.0 28.4
138 20.6 18.5 27.7

