

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140433.D
 Acq On : 16 Nov 2024 16:42
 Operator : RC/JU
 Sample : P4821-01MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-F-24MSD

Quant Time: Nov 18 00:08:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
 Supervised By :mohammad ahmed 11/19/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	119493	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	442293	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	241191	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	435790	20.000	ng	0.00
76) Chrysene-d12	14.045	240	249345	20.000	ng	0.00
86) Perylene-d12	15.527	264	247757	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	688807	98.421	ng	0.02
7) Phenol-d6	6.516	99	906536	95.606	ng	0.01
23) Nitrobenzene-d5	7.434	82	571535	67.328	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	239148	99.709	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1021774	68.102	ng	0.00
79) Terphenyl-d14	12.980	244	892347	62.120	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	130161	41.728	ng	99
3) Pyridine	3.440	79	326005	42.513	ng	99
4) n-Nitrosodimethylamine	3.393	42	166743	43.023	ng	100
6) Aniline	6.534	93	188951	22.907	ng	# 1
8) 2-Chlorophenol	6.663	128	337536	44.898	ng	97
9) Benzaldehyde	6.422	77	31984	5.628	ng	97
10) Phenol	6.528	94	430542	43.056	ng	91
11) bis(2-Chloroethyl)ether	6.604	93	320862	42.349	ng	98
12) 1,3-Dichlorobenzene	6.816	146	348212	41.980	ng	99
13) 1,4-Dichlorobenzene	6.893	146	352982	41.968	ng	99
14) 1,2-Dichlorobenzene	7.040	146	338104	43.302	ng	99
15) Benzyl Alcohol	7.016	79	302393	44.265	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.146	45	429053	40.997	ng	75
17) 2-Methylphenol	7.134	107	261839	42.339	ng	# 93
18) Hexachloroethane	7.387	117	127424	40.981	ng	99
19) n-Nitroso-di-n-propyla...	7.281	70	233167	40.716	ng	99
20) 3+4-Methylphenols	7.287	107	338225	43.731	ng	98
22) Acetophenone	7.281	105	446087	43.365	ng	98
24) Nitrobenzene	7.451	77	369653	41.824	ng	100
25) Isophorone	7.693	82	640030	42.542	ng	99
26) 2-Nitrophenol	7.769	139	176768	45.070	ng	98
27) 2,4-Dimethylphenol	7.810	122	263614m	52.499	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	388659	42.131	ng	100
29) 2,4-Dichlorophenol	8.016	162	276751	44.597	ng	99
30) 1,2,4-Trichlorobenzene	8.093	180	280378	40.582	ng	99
31) Naphthalene	8.175	128	954442	42.539	ng	100
32) Benzoic acid	7.928	122	188980	42.771	ng	97
33) 4-Chloroaniline	8.228	127	69712	8.934	ng	97
34) Hexachlorobutadiene	8.293	225	182530	41.465	ng	98
35) Caprolactam	8.587	113	93218m	45.195	ng	
36) 4-Chloro-3-methylphenol	8.716	107	299394	43.535	ng	99
37) 2-Methylnaphthalene	8.869	142	615981	42.816	ng	99
38) 1-Methylnaphthalene	8.963	142	575040	40.817	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	292097	43.794	ng	99
41) Hexachlorocyclopentadiene	9.016	237	185985	108.606	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	195711	44.713	ng	100

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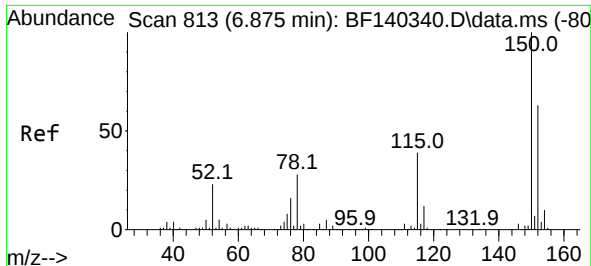
Manual Integrations
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 Supervised By :mohammad ahmed 11/19/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	204768	42.789	ng	98
46) 1,1'-Biphenyl	9.328	154	764603	43.576	ng	100
47) 2-Chloronaphthalene	9.357	162	574483	42.980	ng	99
48) 2-Nitroaniline	9.451	65	198947	44.881	ng	96
49) Acenaphthylene	9.775	152	944697	46.714	ng	99
50) Dimethylphthalate	9.628	163	686416	43.662	ng	99
51) 2,6-Dinitrotoluene	9.692	165	152718	42.611	ng	98
52) Acenaphthene	9.945	154	638945	46.778	ng	100
53) 3-Nitroaniline	9.863	138	92077	24.463	ng	99
54) 2,4-Dinitrophenol	9.975	184	118527	64.131	ng	98
55) Dibenzofuran	10.116	168	868711	44.927	ng	99
56) 4-Nitrophenol	10.039	139	235645	85.832	ng	98
57) 2,4-Dinitrotoluene	10.098	165	207569	44.005	ng	99
58) Fluorene	10.463	166	664869	43.526	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	176163	46.621	ng	96
60) Diethylphthalate	10.328	149	682329	42.445	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	326950	43.354	ng	97
62) 4-Nitroaniline	10.481	138	145972	37.930	ng	98
63) Azobenzene	10.610	77	806432	50.771	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	90934	38.784	ng	95
66) n-Nitrosodiphenylamine	10.569	169	583203	46.317	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	187525	43.048	ng	98
68) Hexachlorobenzene	11.010	284	213713	43.603	ng	97
69) Atrazine	11.098	200	185421	48.673	ng	99
70) Pentachlorophenol	11.204	266	206235	78.113	ng	99
71) Phenanthrene	11.428	178	901845	44.054	ng	100
72) Anthracene	11.475	178	923292	46.019	ng	99
73) Carbazole	11.633	167	824140	41.601	ng	99
74) Di-n-butylphthalate	11.957	149	996031	41.890	ng	100
75) Fluoranthene	12.616	202	836066	36.403	ng	99
77) Benzidine	12.733	184	228946	23.923	ng	99
78) Pyrene	12.845	202	840339	39.400	ng	99
80) Butylbenzylphthalate	13.457	149	322887	39.409	ng	97
81) Benzo(a)anthracene	14.033	228	720875	43.989	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	164659	31.612	ng	98
83) Chrysene	14.074	228	688044	46.016	ng	100
84) Bis(2-ethylhexyl)phtha...	14.016	149	424946	38.857	ng	99
85) Di-n-octyl phthalate	14.633	149	719149	46.691	ng	100
87) Indeno(1,2,3-cd)pyrene	17.027	276	509613	33.298	ng	99
88) Benzo(b)fluoranthene	15.098	252	703340	43.397	ng	99
89) Benzo(k)fluoranthene	15.127	252	635814	48.022	ng	100
90) Benzo(a)pyrene	15.469	252	595249	47.295	ng	100
91) Dibenzo(a,h)anthracene	17.045	278	426323	33.700	ng	100
92) Benzo(g,h,i)perylene	17.486	276	367210	28.393	ng	100

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



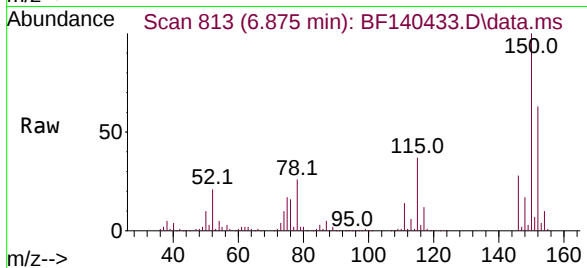
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

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BP-F-24MSD



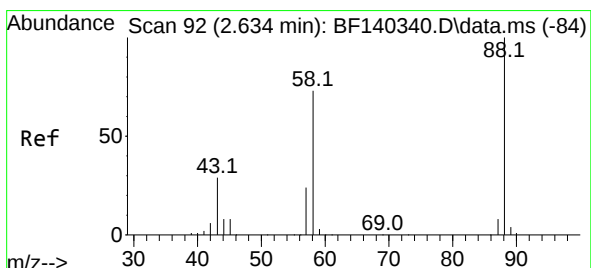
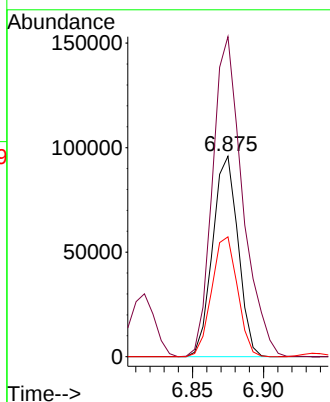
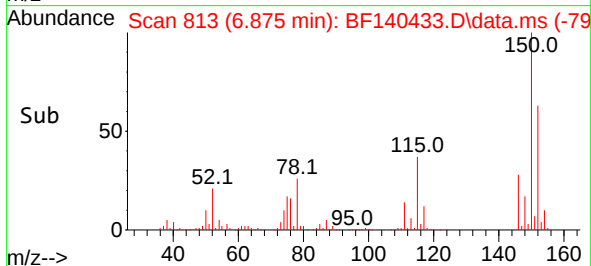
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Ion Ratio Lower Upper
152 100
150 159.7 127.4 191.0
115 59.8 47.4 71.2

Manual Integrations

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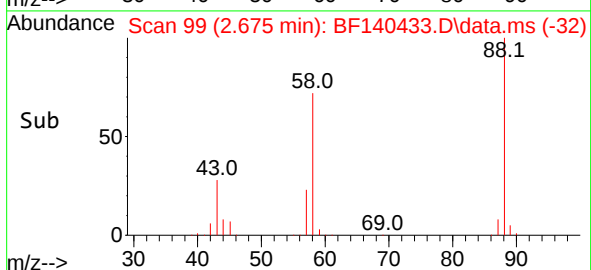
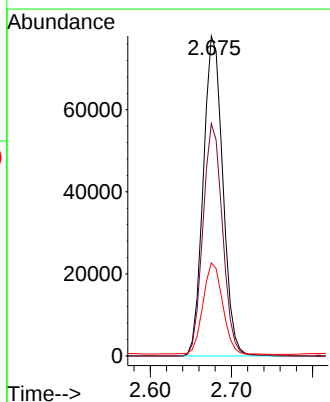
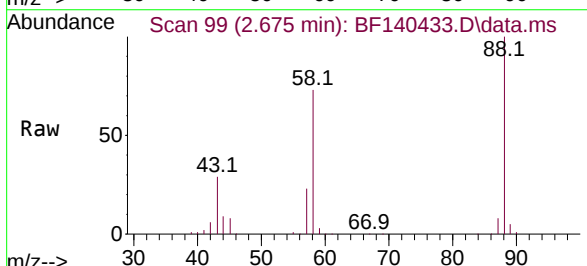
Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



#2
1,4-Dioxane
Concen: 41.728 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.041 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Tgt Ion: 88 Resp: 130161
Ion Ratio Lower Upper
88 100
58 72.9 59.5 89.3
43 29.2 23.4 35.2





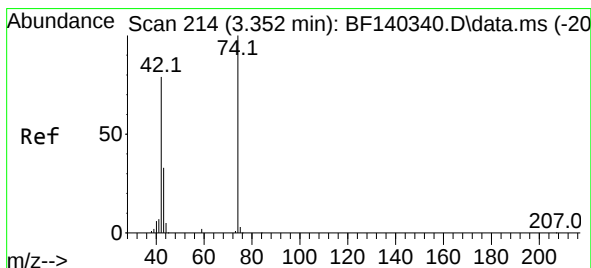
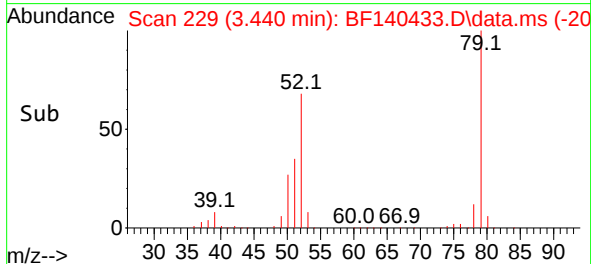
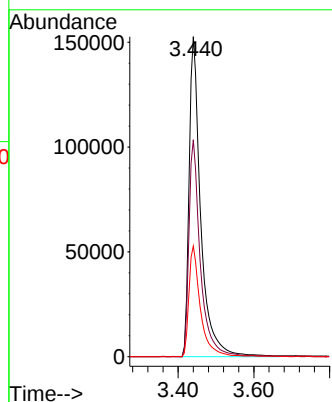
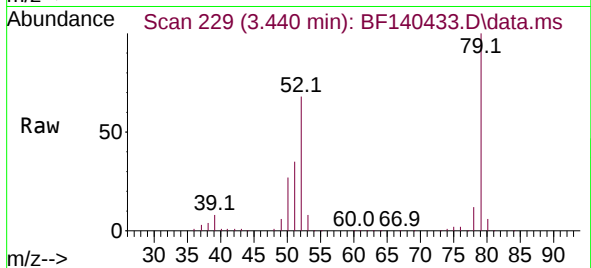
#3
Pyridine
Concen: 42.513 ng
RT: 3.440 min Scan# 21
Delta R.T. 0.035 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :
BNA_F
ClientSampleId :
BP-F-24MSD

Tgt Ion: 79 Resp: 32600
Ion Ratio Lower Upper
79 100
52 67.8 53.8 80.6
51 34.6 27.3 40.9

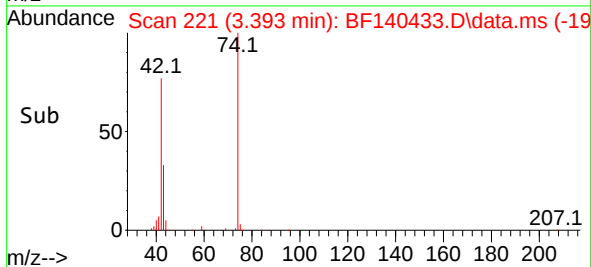
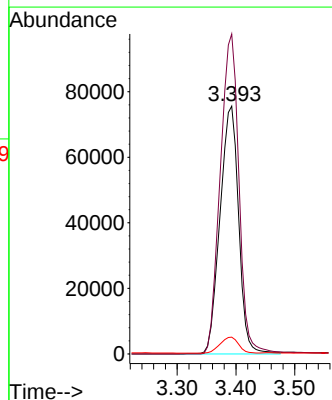
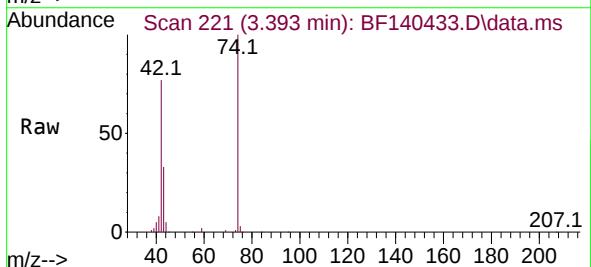
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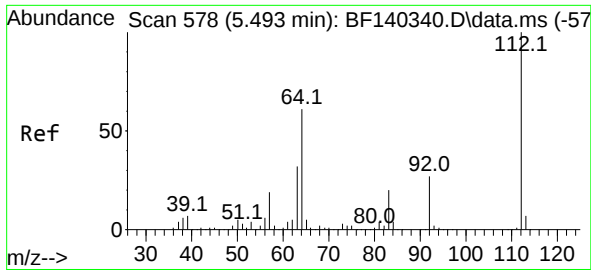
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#4
n-Nitrosodimethylamine
Concen: 43.023 ng
RT: 3.393 min Scan# 221
Delta R.T. 0.035 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Tgt Ion: 42 Resp: 166743
Ion Ratio Lower Upper
42 100
74 129.1 103.5 155.3
44 6.8 5.1 7.7





#5
2-Fluorophenol
Concen: 98.421 ng
RT: 5.510 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

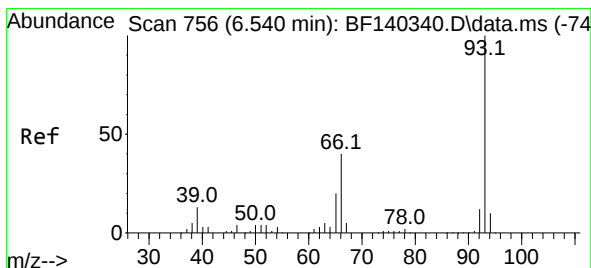
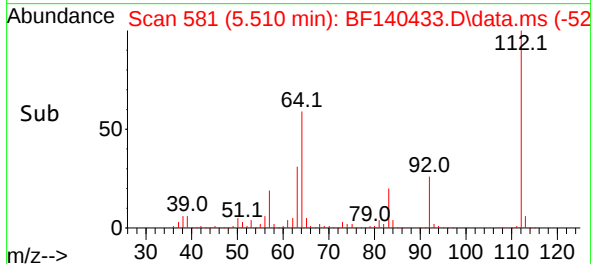
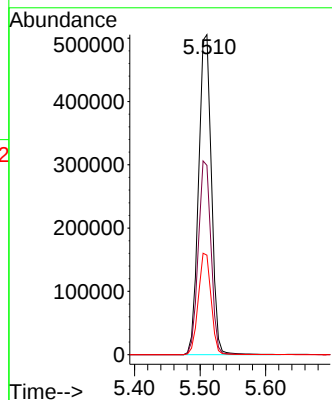
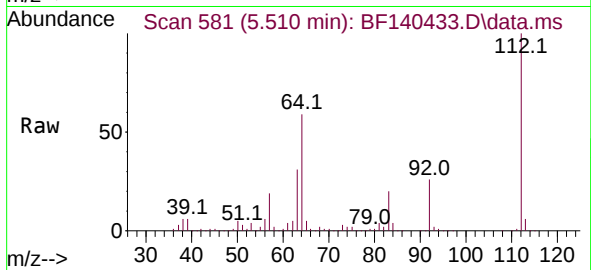
ClientSampleId :

BP-F-24MSD

Tgt Ion:112 Resp: 68880
Ion Ratio Lower Upper
112 100
64 59.1 49.2 73.8
63 31.1 25.6 38.4

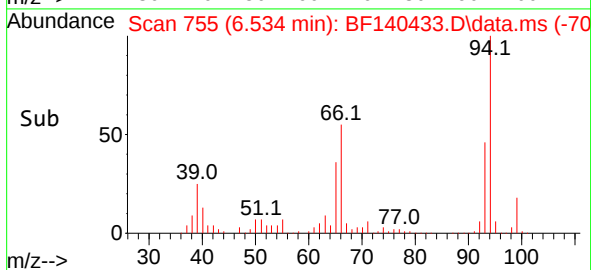
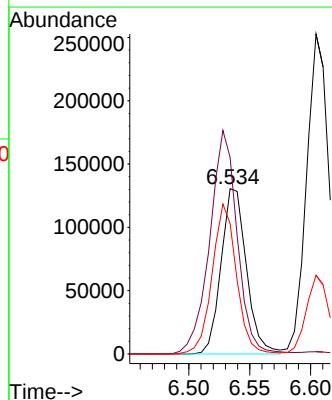
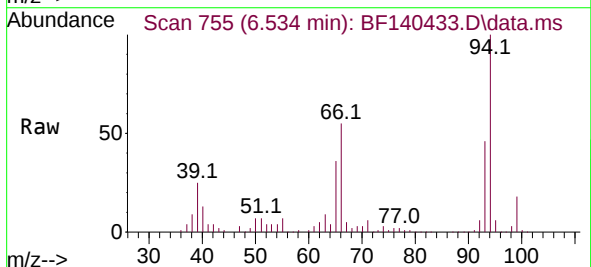
Manual Integrations
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#6
Aniline
Concen: 22.907 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

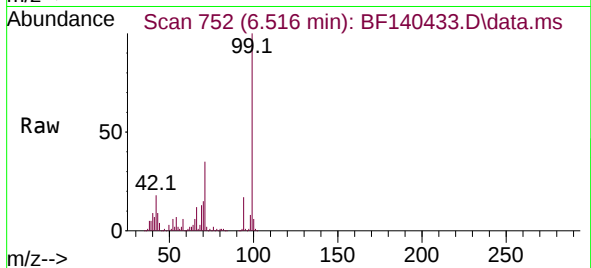
Tgt Ion: 93 Resp: 188951
Ion Ratio Lower Upper
93 100
66 118.9 32.8 49.2#
65 79.0 16.6 25.0#





#7
Phenol-d6
Concen: 95.606 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.012 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

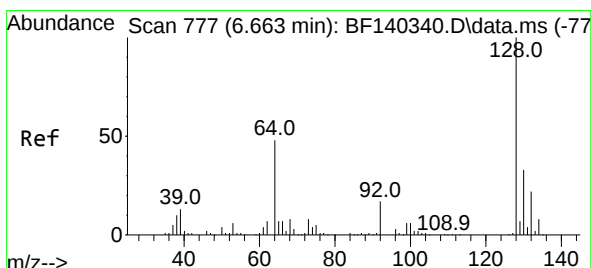
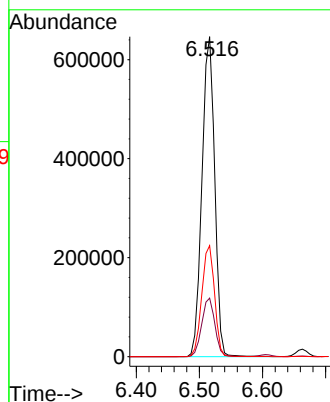
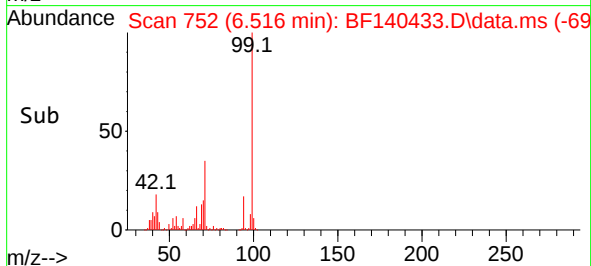
Instrument :
BNA_F
ClientSampleId :
BP-F-24MSD



Tgt Ion: 99 Resp: 906536
Ion Ratio Lower Upper
99 100
42 18.3 15.1 22.7
71 34.7 27.9 41.9

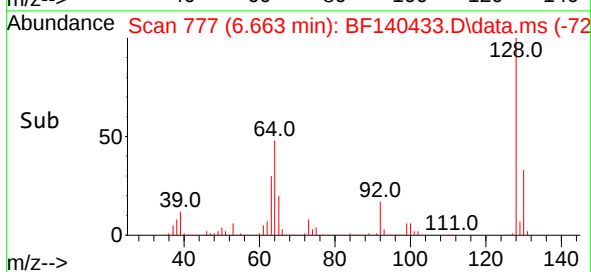
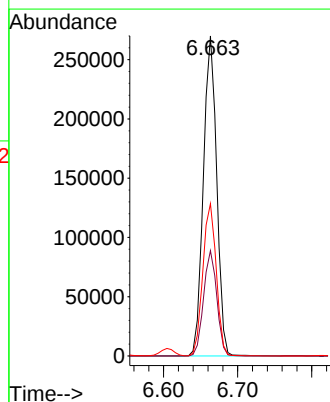
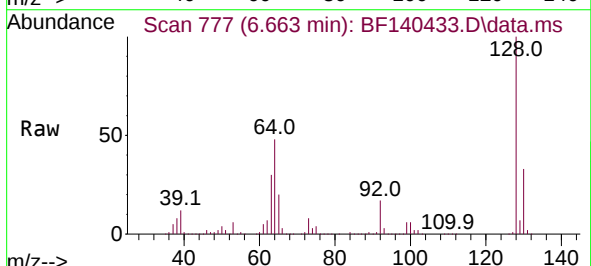
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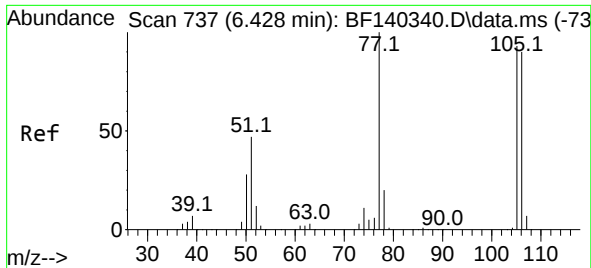
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#8
2-Chlorophenol
Concen: 44.898 ng
RT: 6.663 min Scan# 777
Delta R.T. 0.000 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Tgt Ion:128 Resp: 337536
Ion Ratio Lower Upper
128 100
130 32.9 12.2 52.2
64 47.6 30.2 70.2





#9

Benzaldehyde

Concen: 5.628 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD

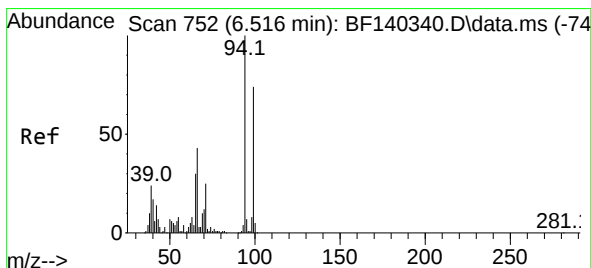
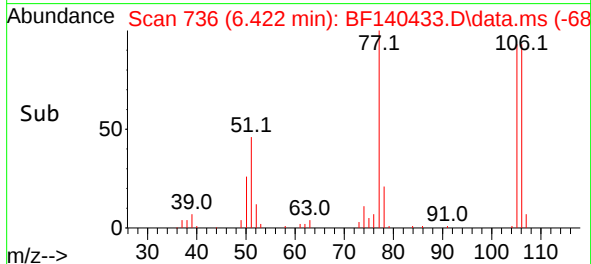
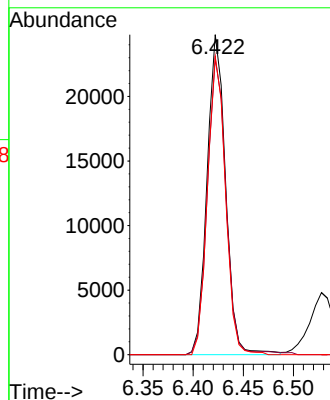
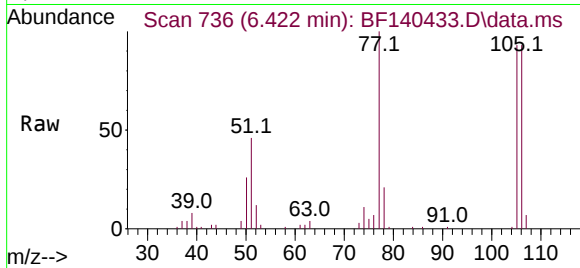
Tgt Ion: 77	Resp: 31984
Ion Ratio	Lower Upper
77 100	
105 92.6	74.4 114.4
106 93.2	69.9 109.9

Manual Integrations

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#10

Phenol

Concen: 43.056 ng

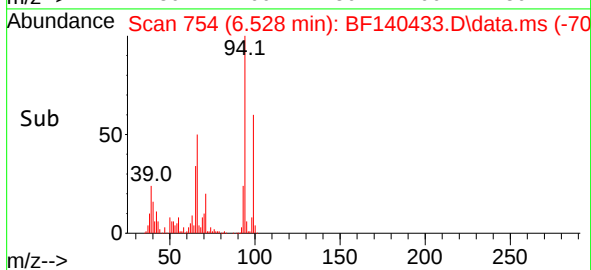
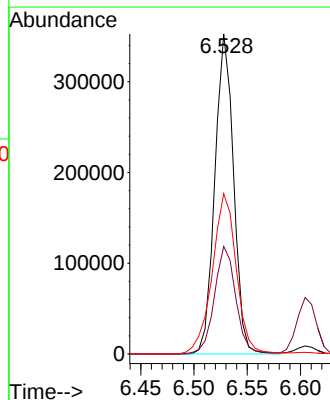
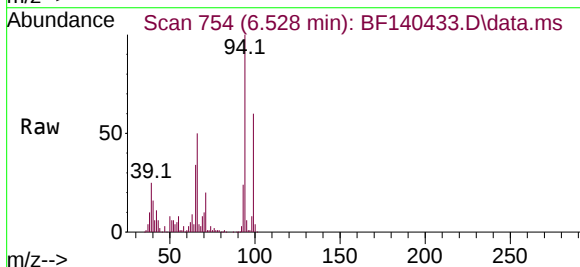
RT: 6.528 min Scan# 754

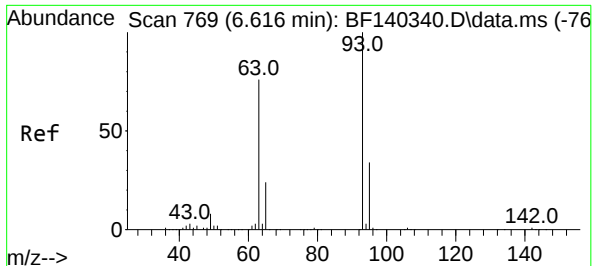
Delta R.T. 0.006 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

Tgt Ion: 94	Resp: 430542
Ion Ratio	Lower Upper
94 100	
65 33.6	10.4 50.4
66 50.1	22.9 62.9





#11

bis(2-Chloroethyl)ether

Concen: 42.349 ng

RT: 6.604 min Scan# 769

Delta R.T. -0.012 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD

Tgt Ion: 93 Resp: 320862

Ion Ratio Lower Upper

93 100

63 75.7 54.0 94.0

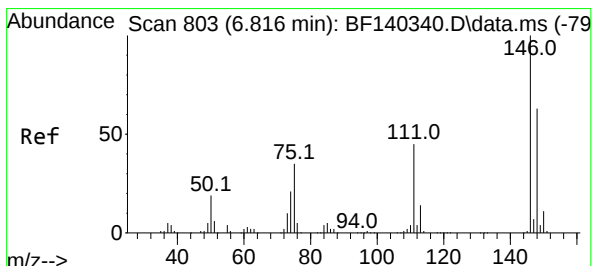
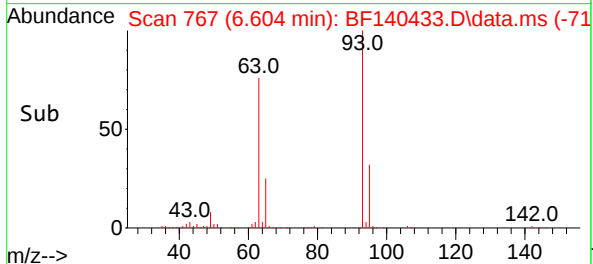
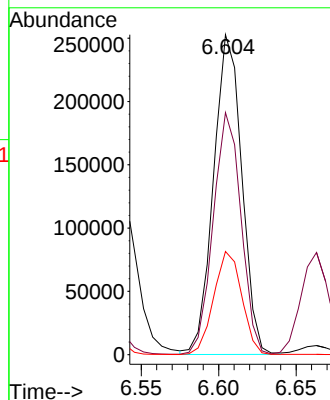
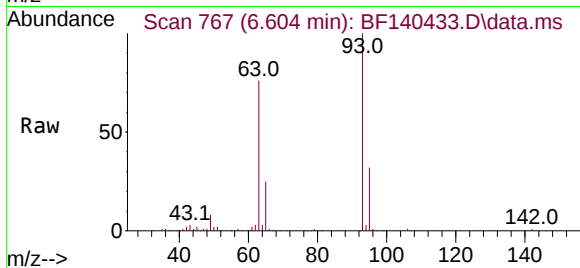
95 32.2 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



#12

1,3-Dichlorobenzene

Concen: 41.980 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

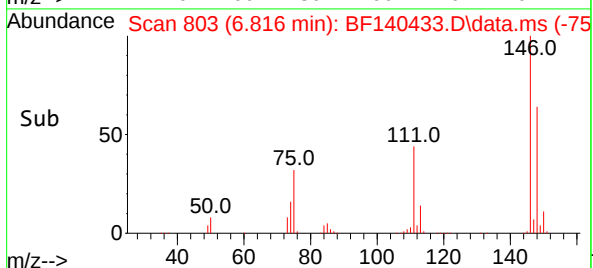
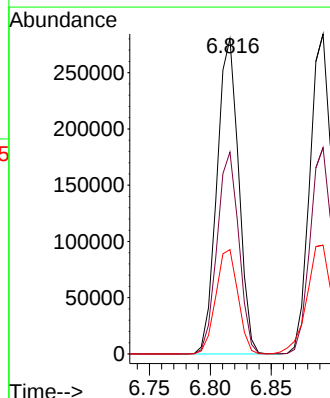
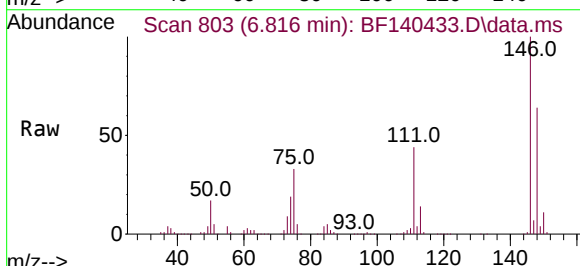
Tgt Ion:146 Resp: 348212

Ion Ratio Lower Upper

146 100

148 64.1 50.7 76.1

75 33.1 26.4 39.6





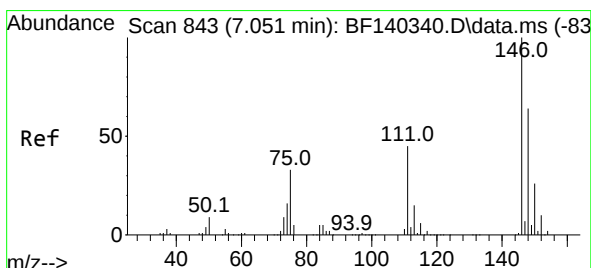
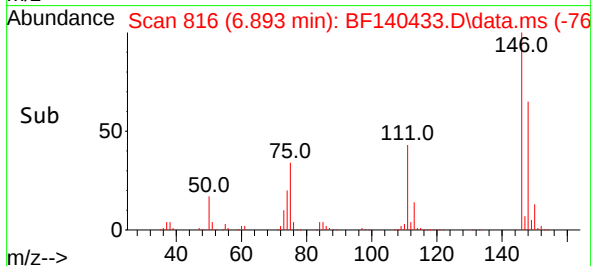
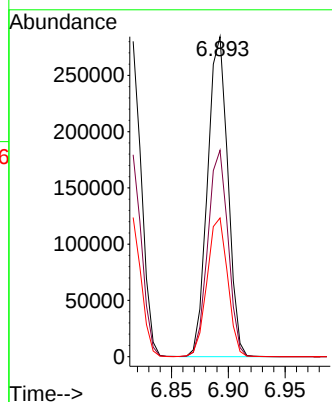
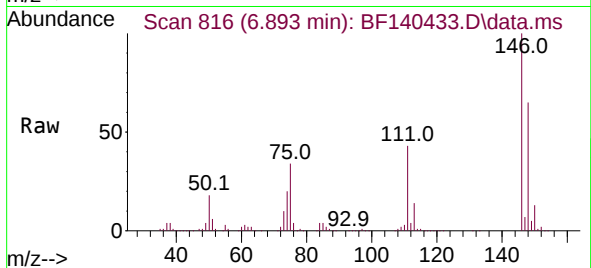
#13
1,4-Dichlorobenzene
Concen: 41.968 ng
RT: 6.893 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :
BNA_F
ClientSampleId :
BP-F-24MSD

Tgt Ion:146 Resp: 35298
Ion Ratio Lower Upper
146 100
148 64.5 50.8 76.2
111 43.4 34.2 51.2

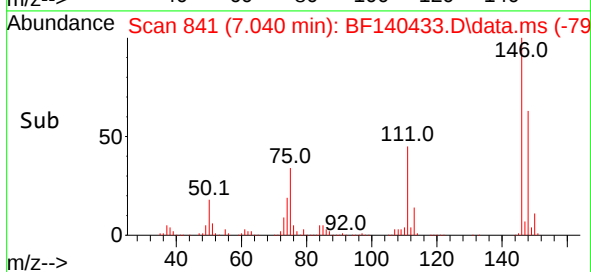
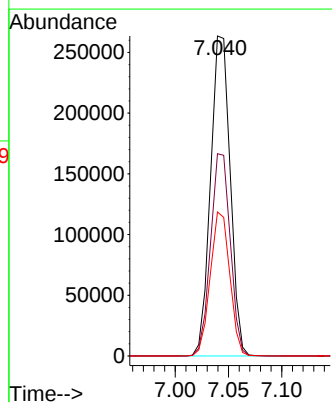
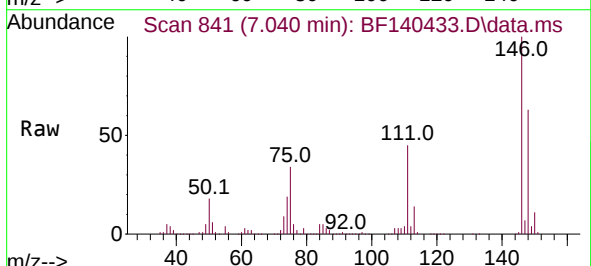
Manual Integrations
APPROVED

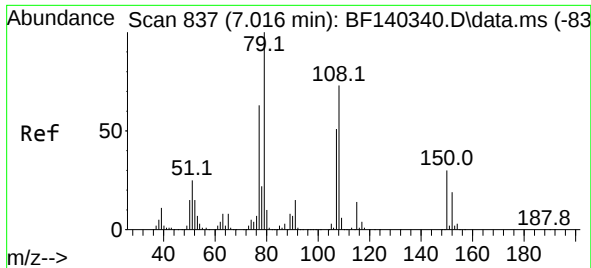
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#14
1,2-Dichlorobenzene
Concen: 43.302 ng
RT: 7.040 min Scan# 841
Delta R.T. -0.012 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

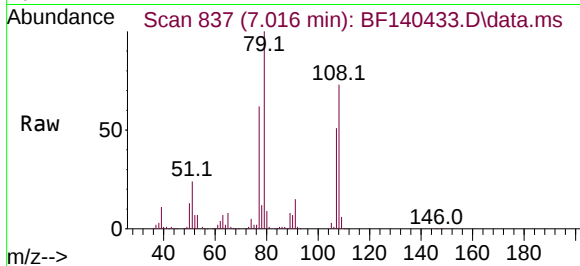
Tgt Ion:146 Resp: 338104
Ion Ratio Lower Upper
146 100
148 63.2 51.2 76.8
111 45.0 36.5 54.7





#15
Benzyl Alcohol
Concen: 44.265 ng
RT: 7.016 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

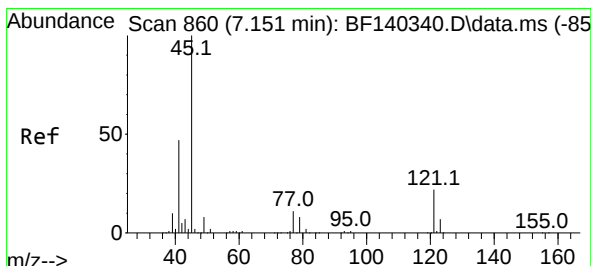
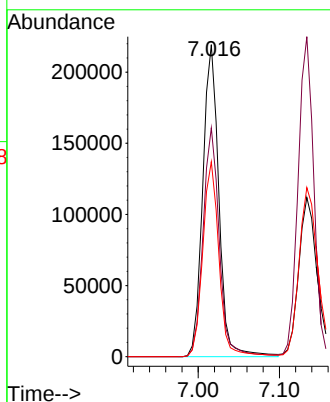
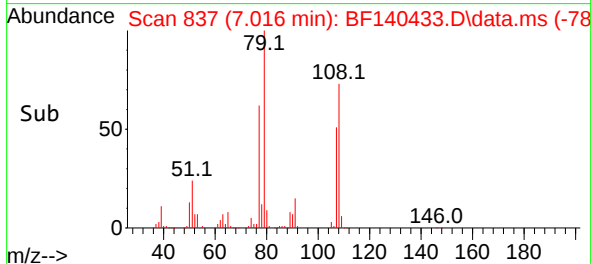
Instrument :
BNA_F
ClientSampleId :
BP-F-24MSD



Tgt Ion: 79 Resp: 30239
Ion Ratio Lower Upper
79 100
108 73.3 57.8 86.6
77 62.4 49.8 74.6

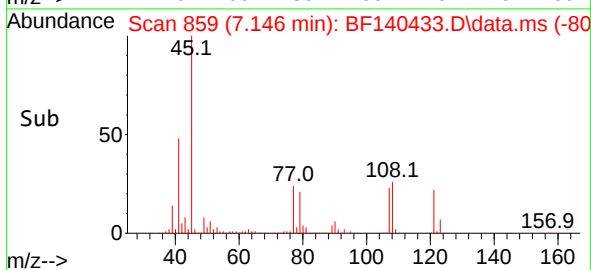
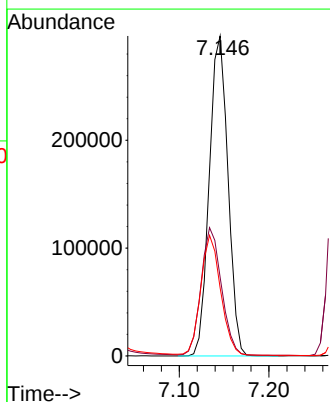
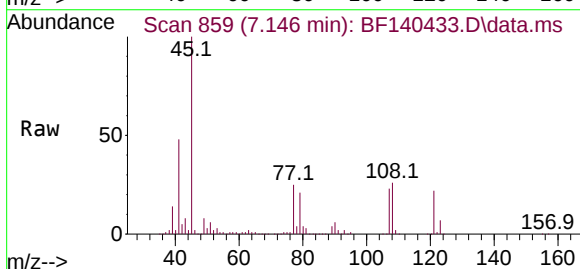
Manual Integrations
APPROVED

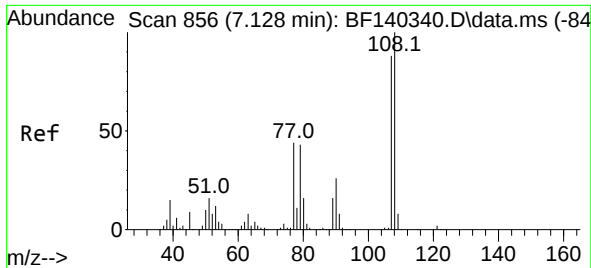
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.997 ng
RT: 7.146 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Tgt Ion: 45 Resp: 429053
Ion Ratio Lower Upper
45 100
77 24.6 0.0 34.8
79 21.3 0.0 31.4





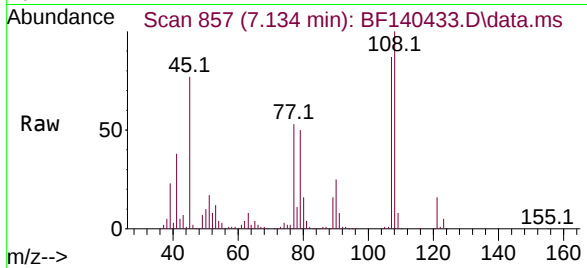
#17
2-Methylphenol
Concen: 42.339 ng
RT: 7.134 min Scan# 856
Delta R.T. 0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD

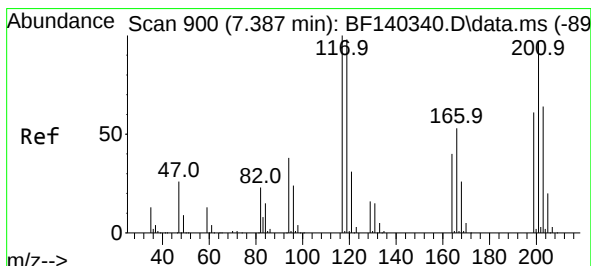
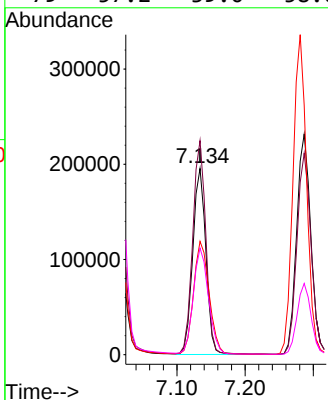
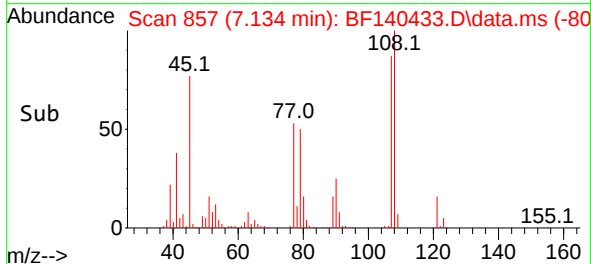


Tgt Ion:107 Resp: 261839
Ion Ratio Lower Upper
107 100
108 115.0 91.9 137.9
77 60.8 39.7 59.5
79 57.2 39.0 58.6

Manual Integrations

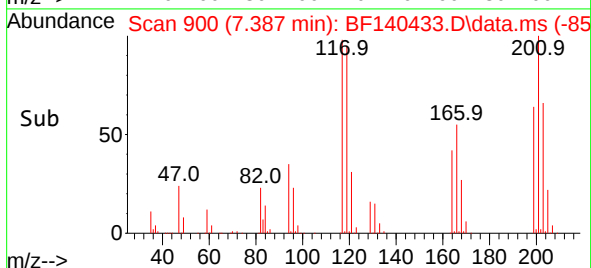
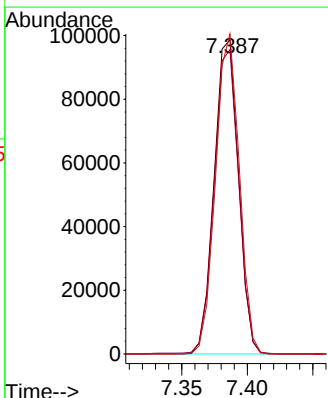
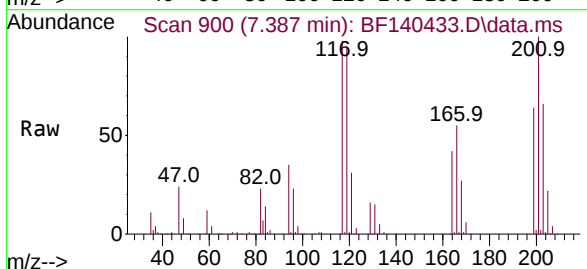
APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#18
Hexachloroethane
Concen: 40.981 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Tgt Ion:117 Resp: 127424
Ion Ratio Lower Upper
117 100
119 96.9 76.9 115.3
201 101.9 80.2 120.4





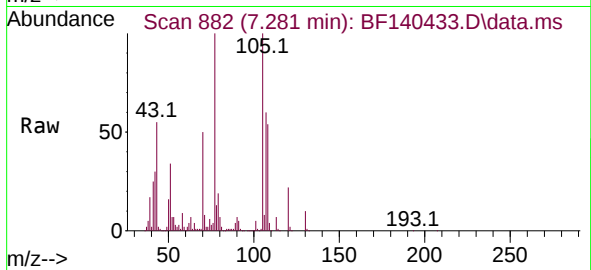
#19
n-Nitroso-di-n-propylamine
Concen: 40.716 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD



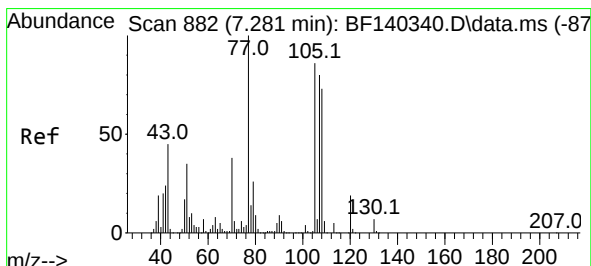
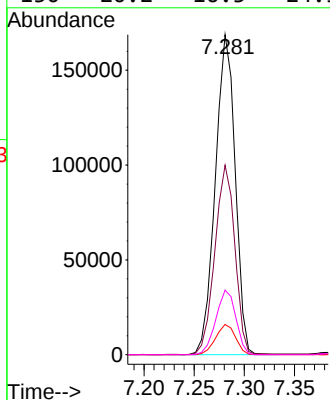
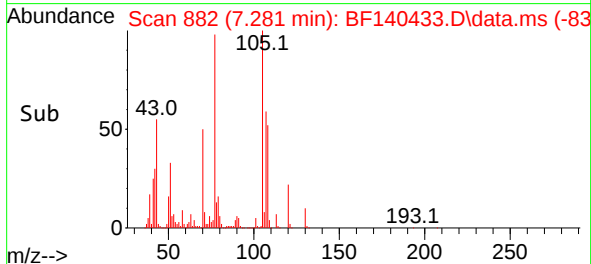
Tgt Ion: 70 Resp: 23316
Ion Ratio Lower Upper
70 100
42 59.2 46.8 70.2
101 9.4 7.5 11.3
130 20.2 16.3 24.5

Manual Integrations

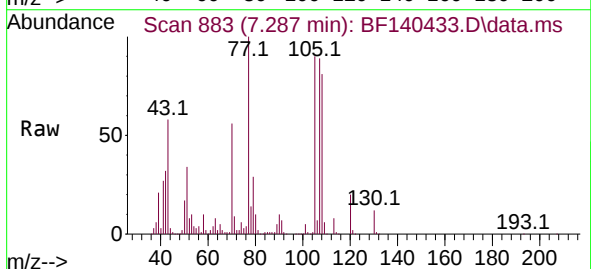
APPROVED

Reviewed By :Yogesh Patel 11/19/2024

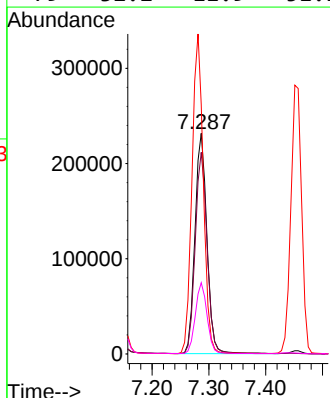
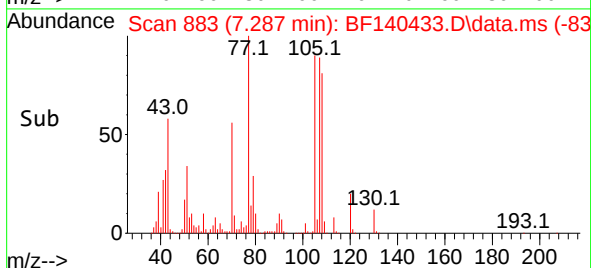
Supervised By :mohammad ahmed 11/19/2024

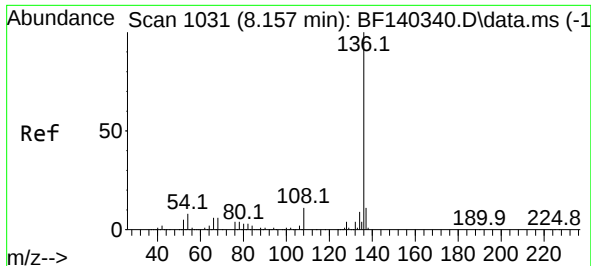


#20
3+4-Methylphenols
Concen: 43.731 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42



Tgt Ion:107 Resp: 338225
Ion Ratio Lower Upper
107 100
108 91.4 71.4 111.4
77 113.0 97.0 137.0
79 32.2 11.9 51.9





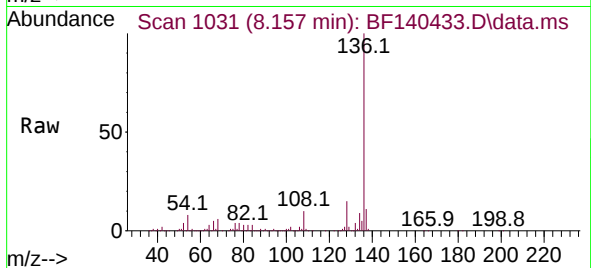
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD



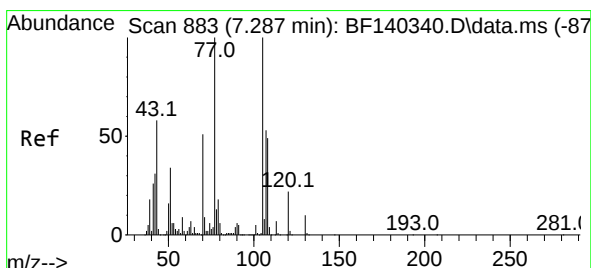
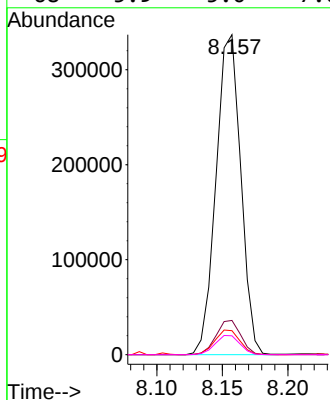
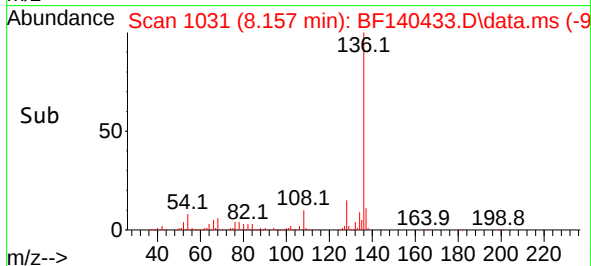
Tgt Ion:136 Resp: 442293
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.5 6.5 9.7
68 5.9 5.0 7.6

Manual Integrations

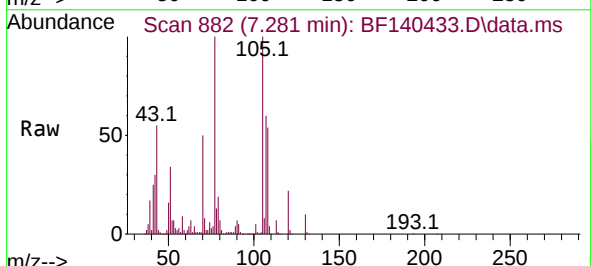
APPROVED

Reviewed By :Yogesh Patel 11/19/2024

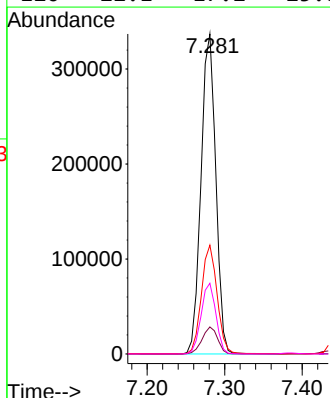
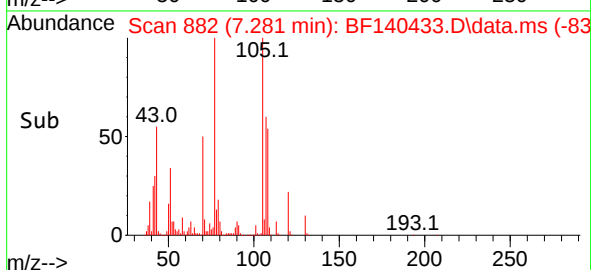
Supervised By :mohammad ahmed 11/19/2024

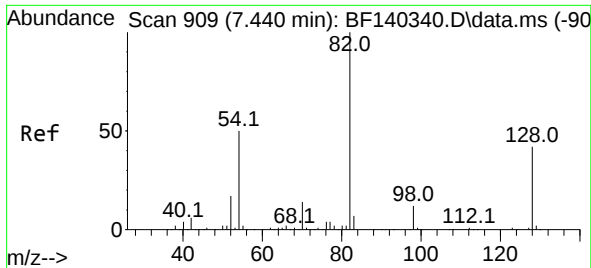


#22
Acetophenone
Concen: 43.365 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42



Tgt Ion:105 Resp: 446087
Ion Ratio Lower Upper
105 100
71 8.5 6.9 10.3
51 34.0 28.6 43.0
120 22.1 17.2 25.8





#23
Nitrobenzene-d5
Concen: 67.328 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

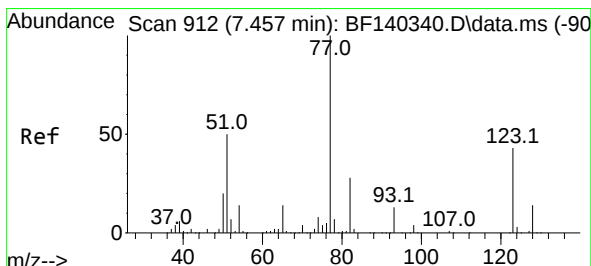
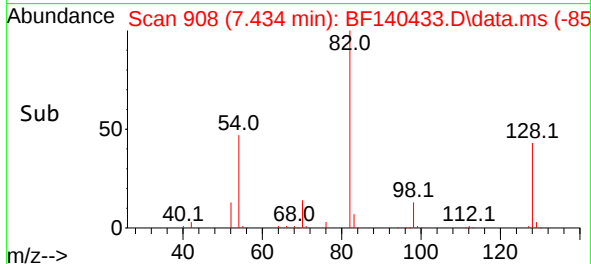
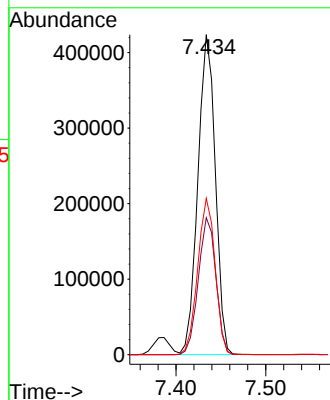
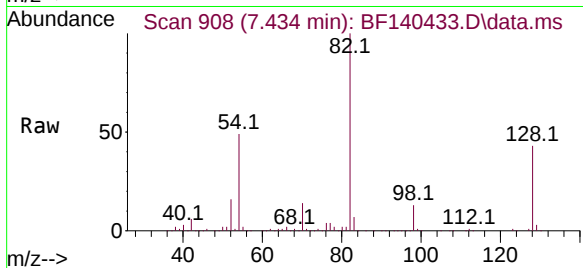
ClientSampleId :

BP-F-24MSD

Tgt Ion: 82 Resp: 57153
Ion Ratio Lower Upper
82 100
128 42.8 33.3 49.9
54 48.9 39.8 59.8

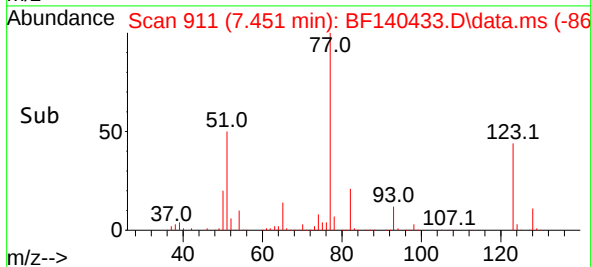
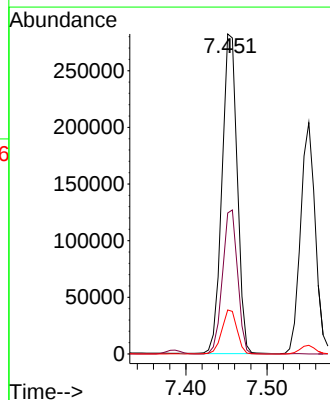
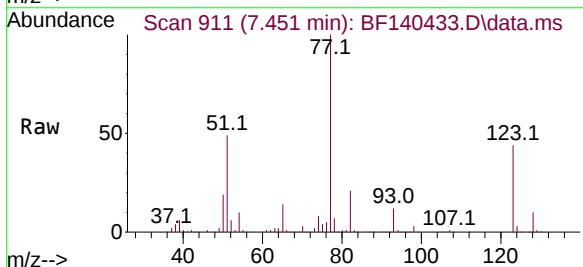
Manual Integrations
APPROVED

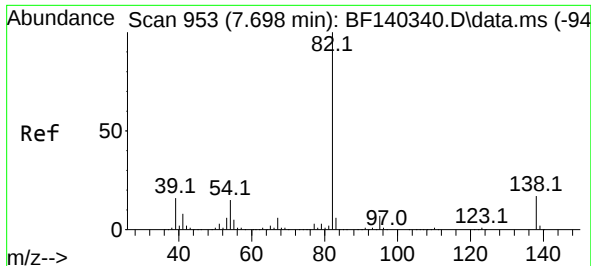
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#24
Nitrobenzene
Concen: 41.824 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Tgt Ion: 77 Resp: 369653
Ion Ratio Lower Upper
77 100
123 44.1 35.4 53.0
65 13.7 11.1 16.7





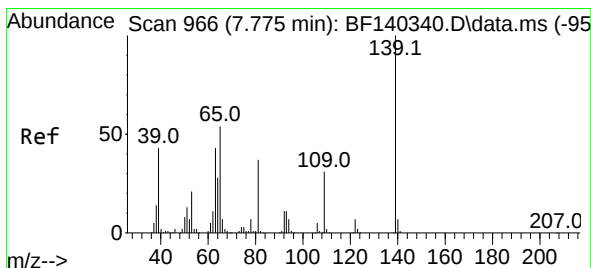
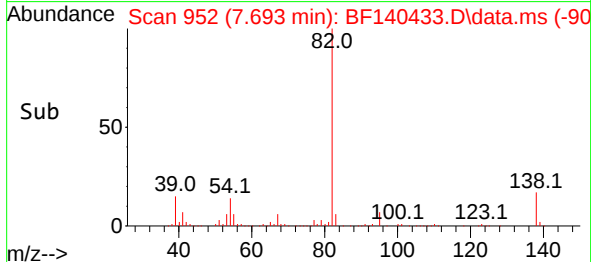
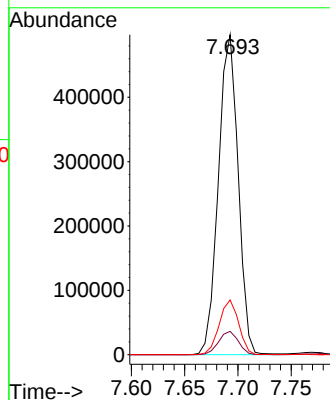
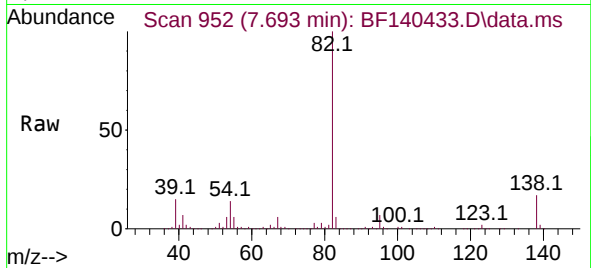
#25
Isophorone
Concen: 42.542 ng
RT: 7.693 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :
BNA_F
ClientSampleId :
BP-F-24MSD

Tgt Ion: 82 Resp: 640030
Ion Ratio Lower Upper
82 100
95 7.3 5.9 8.9
138 17.1 13.4 20.2

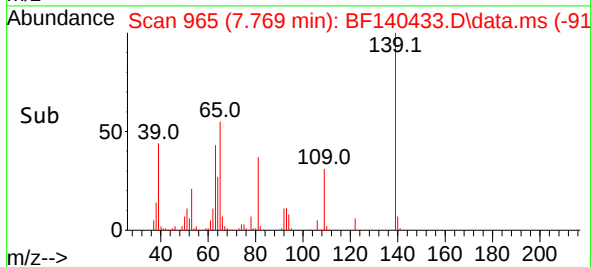
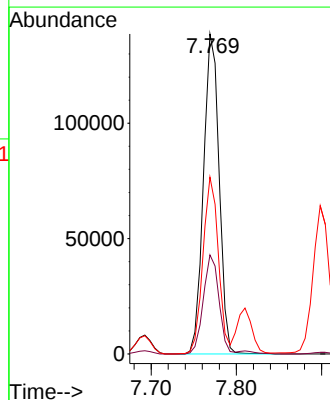
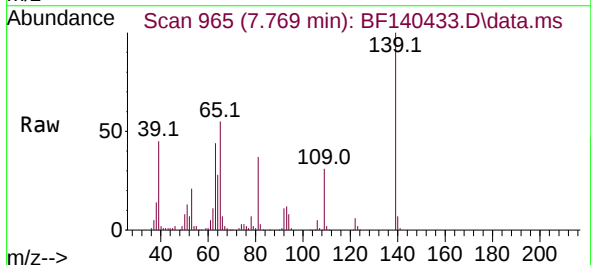
Manual Integrations
APPROVED

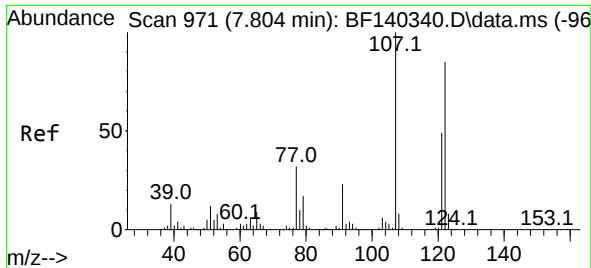
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#26
2-Nitrophenol
Concen: 45.070 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Tgt Ion:139 Resp: 176768
Ion Ratio Lower Upper
139 100
109 30.9 24.4 36.6
65 55.3 42.8 64.2





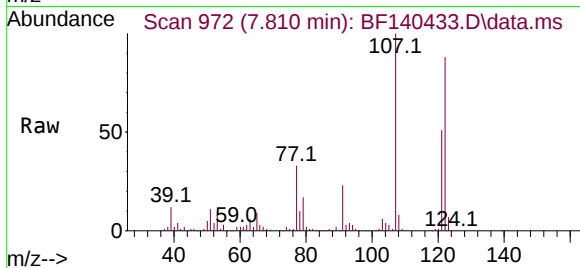
#27
2,4-Dimethylphenol
Concen: 52.499 ng m
RT: 7.810 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD



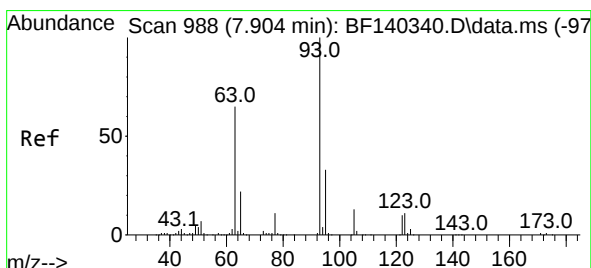
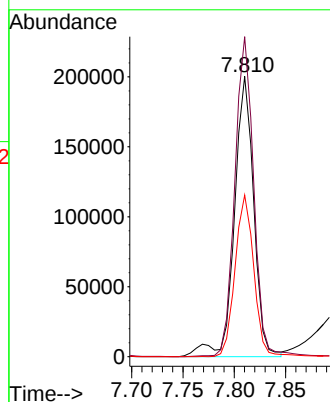
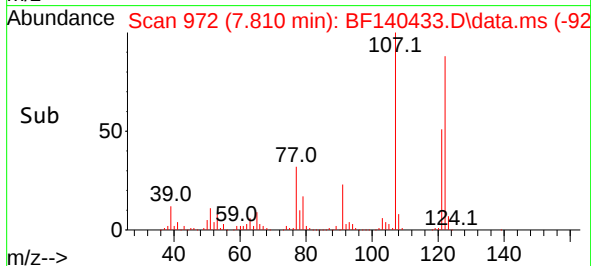
Tgt Ion:122 Resp: 263614
Ion Ratio Lower Upper
122 100
107 114.2 91.3 136.9
121 57.7 45.5 68.3

Manual Integrations

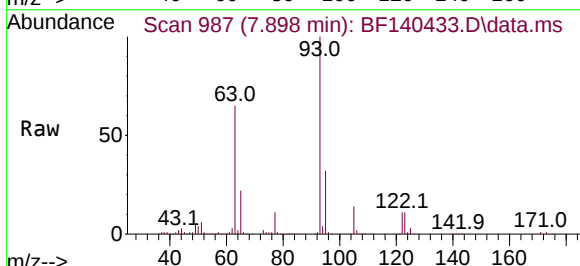
APPROVED

Reviewed By :Yogesh Patel 11/19/2024

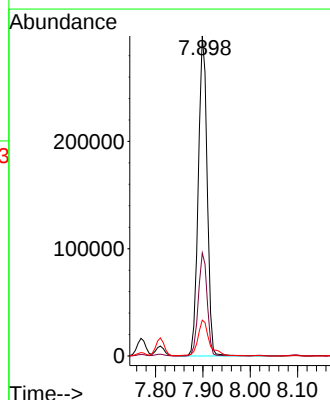
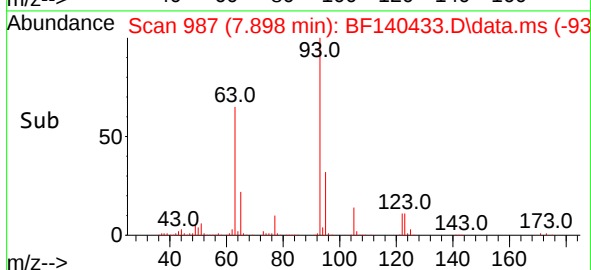
Supervised By :mohammad ahmed 11/19/2024



#28
bis(2-Chloroethoxy)methane
Concen: 42.131 ng
RT: 7.898 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42



Tgt Ion: 93 Resp: 388659
Ion Ratio Lower Upper
93 100
95 32.2 25.9 38.9
123 11.2 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 44.597 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD

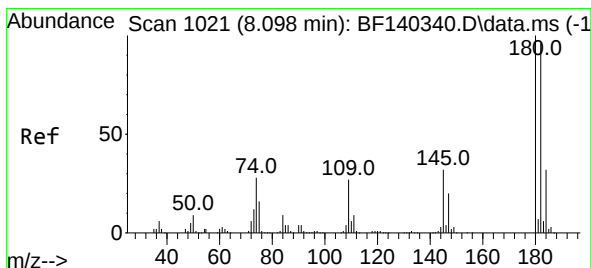
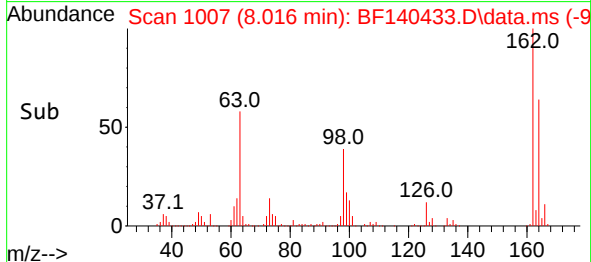
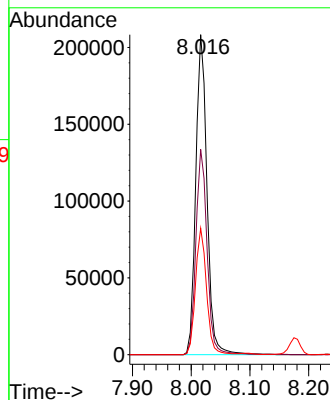
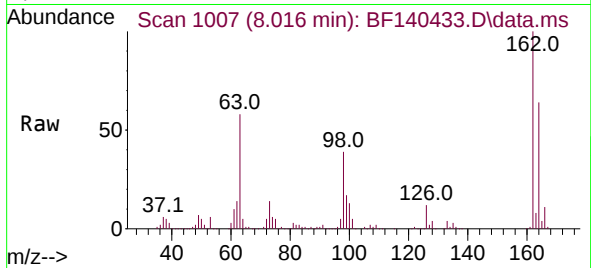
Tgt Ion:162	Resp: 27675
Ion Ratio	Lower Upper
162 100	
164 64.2	45.4 85.4
98 39.5	19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



#30

1,2,4-Trichlorobenzene

Concen: 40.582 ng

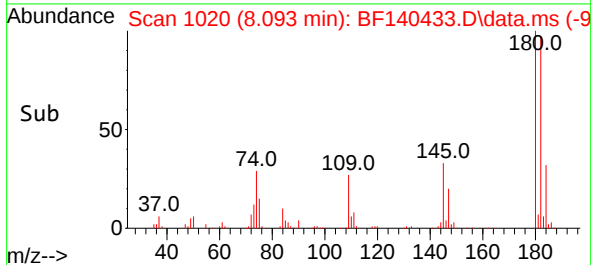
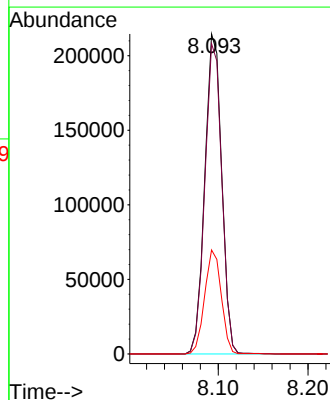
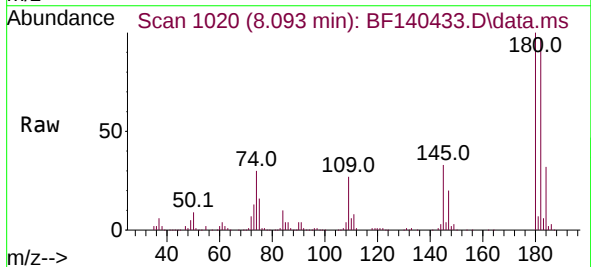
RT: 8.093 min Scan# 1020

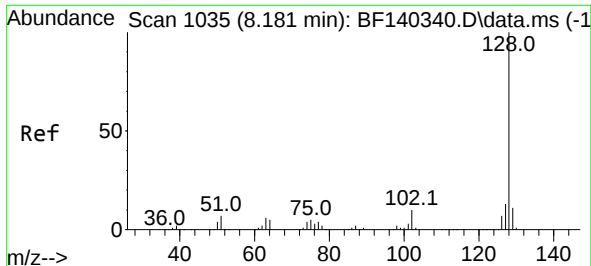
Delta R.T. -0.006 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

Tgt Ion:180	Resp: 280378
Ion Ratio	Lower Upper
180 100	
182 96.9	76.5 114.7
145 32.5	25.3 37.9





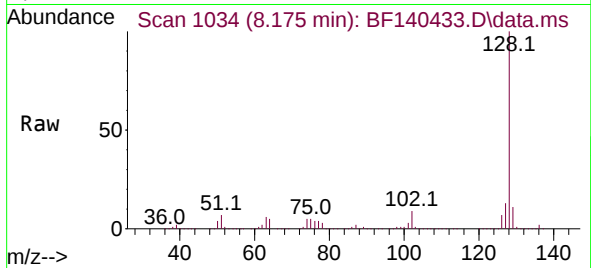
#31
Naphthalene
Concen: 42.539 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD



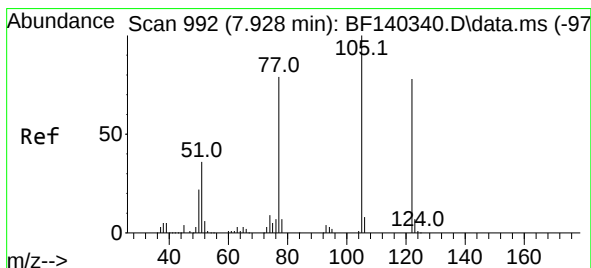
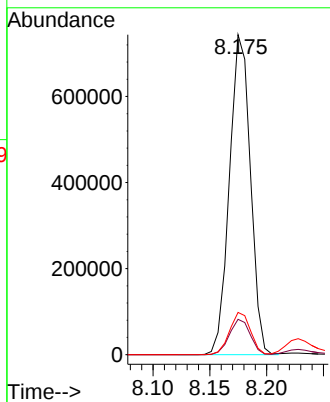
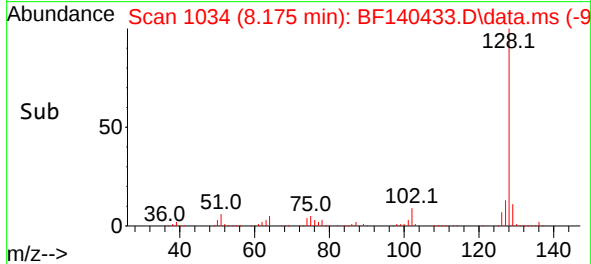
Tgt Ion:128 Resp: 95444
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.2 10.6 15.8

Manual Integrations

APPROVED

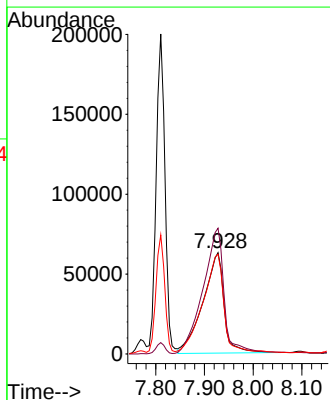
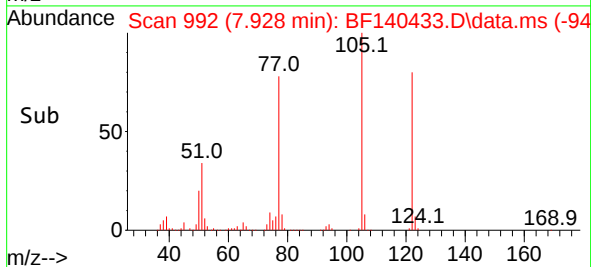
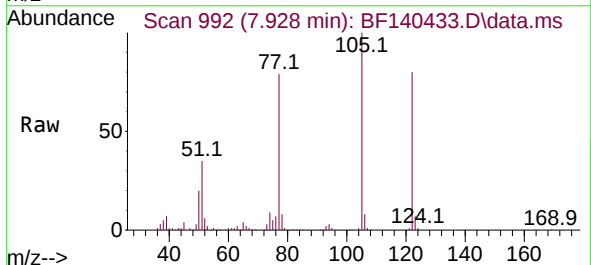
Reviewed By :Yogesh Patel 11/19/2024

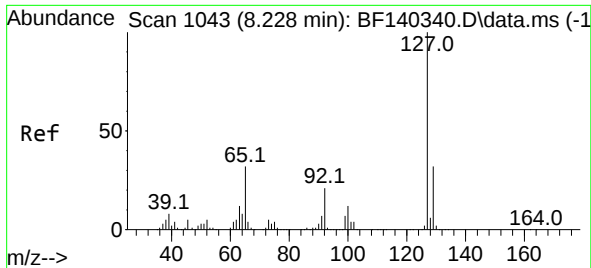
Supervised By :mohammad ahmed 11/19/2024



#32
Benzoic acid
Concen: 42.771 ng
RT: 7.928 min Scan# 992
Delta R.T. 0.000 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Tgt Ion:122 Resp: 188980
Ion Ratio Lower Upper
122 100
105 124.3 100.9 140.9
77 98.7 76.0 116.0





#33
4-Chloroaniline
Concen: 8.934 ng
RT: 8.228 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

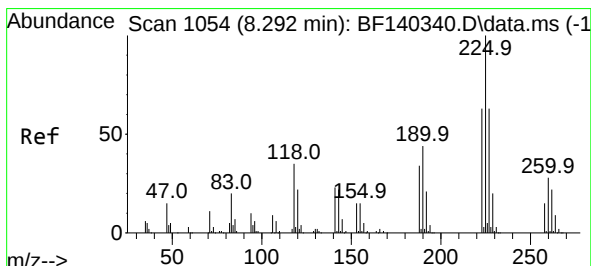
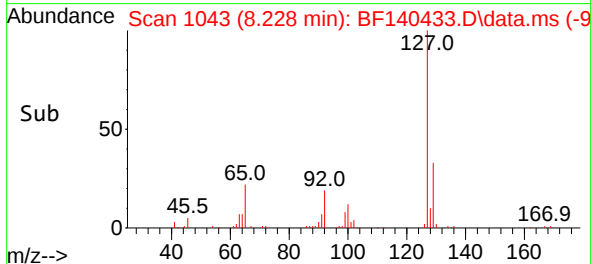
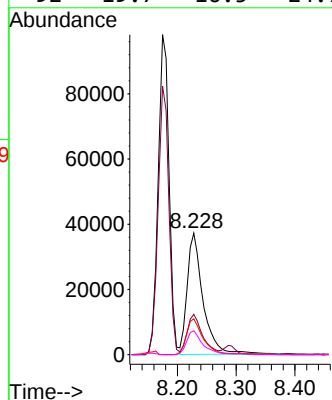
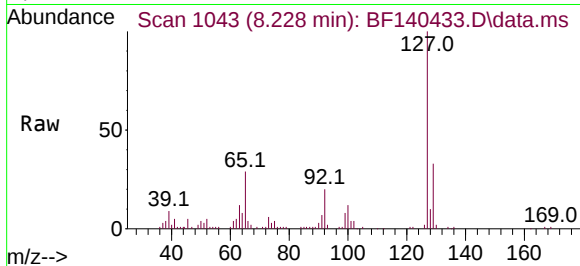
BP-F-24MSD

Tgt Ion:127 Resp: 6971
Ion Ratio Lower Upper
127 100
129 33.1 26.2 39.4
65 29.5 25.8 38.6
92 19.7 16.5 24.7

Manual Integrations

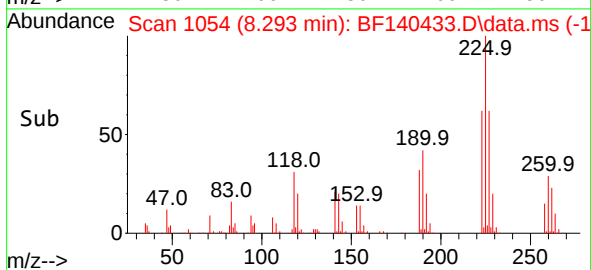
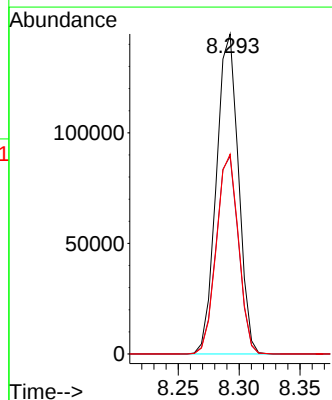
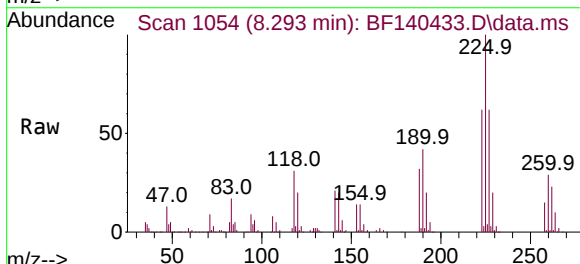
APPROVED

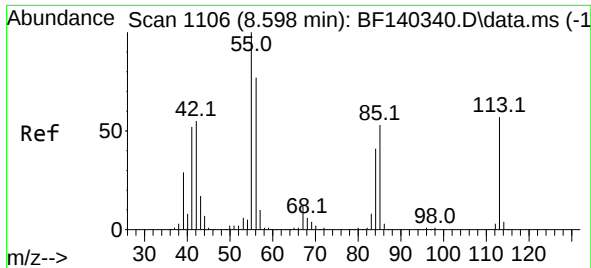
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#34
Hexachlorobutadiene
Concen: 41.465 ng
RT: 8.293 min Scan# 1054
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Tgt Ion:225 Resp: 182530
Ion Ratio Lower Upper
225 100
223 61.8 50.1 75.1
227 62.4 51.3 76.9





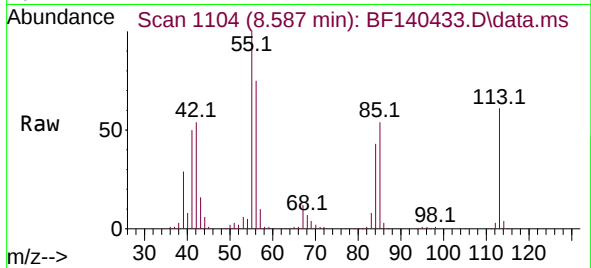
#35
Caprolactam
Concen: 45.195 ng m
RT: 8.587 min Scan# 1104
Delta R.T. -0.012 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD



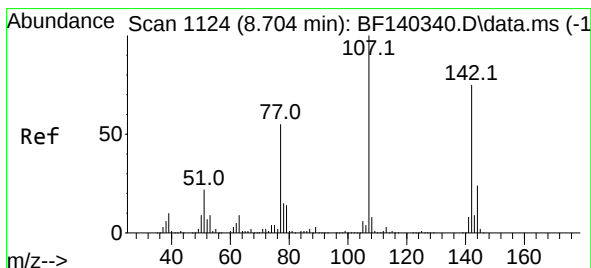
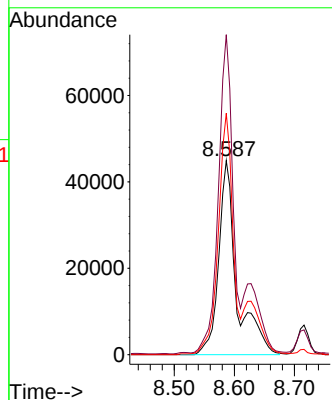
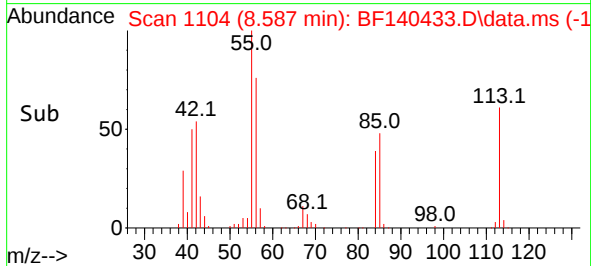
Tgt Ion:113 Resp: 93218
Ion Ratio Lower Upper
113 100
55 164.9 150.0 190.0
56 124.4 111.1 151.1

Manual Integrations

APPROVED

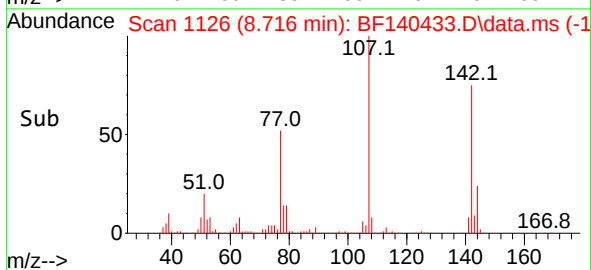
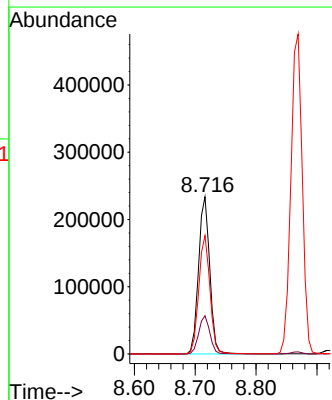
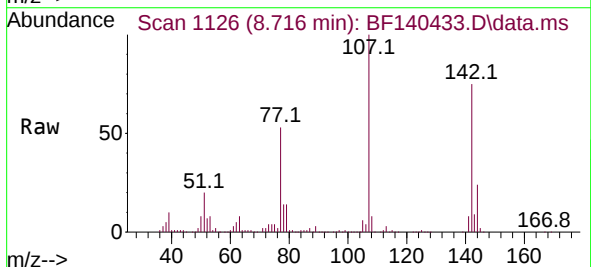
Reviewed By :Yogesh Patel 11/19/2024

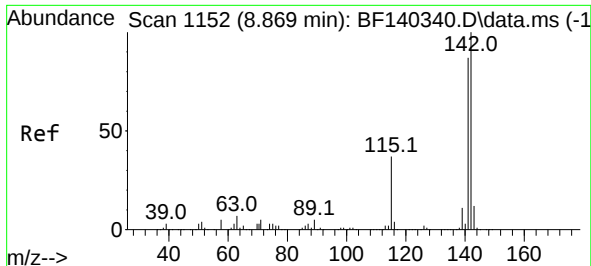
Supervised By :mohammad ahmed 11/19/2024



#36
4-Chloro-3-methylphenol
Concen: 43.535 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.012 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Tgt Ion:107 Resp: 299394
Ion Ratio Lower Upper
107 100
144 24.4 19.3 28.9
142 75.4 59.4 89.0





#37
2-Methylnaphthalene
Concen: 42.816 ng
RT: 8.869 min Scan# 1152
Delta R.T. 0.000 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

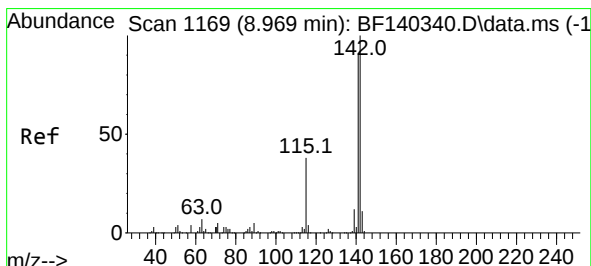
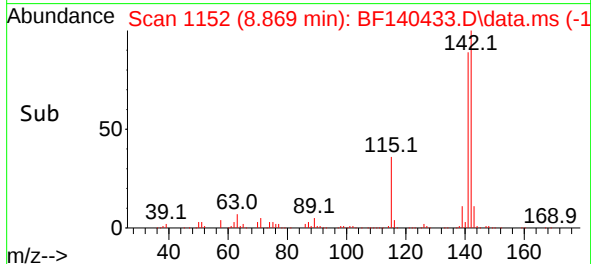
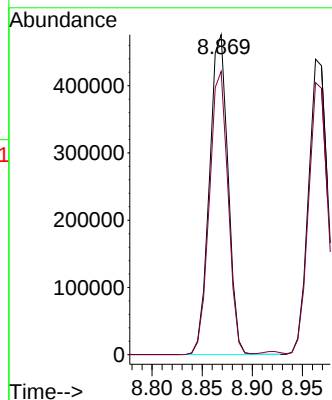
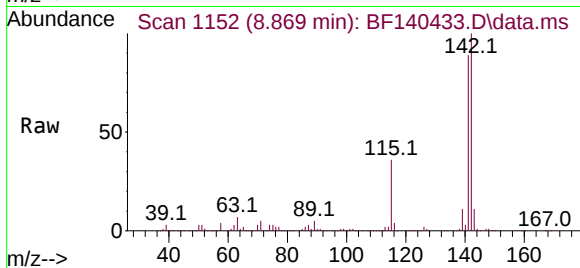
ClientSampleId :

BP-F-24MSD

Tgt Ion:142 Resp: 61598
Ion Ratio Lower Upper
142 100
141 88.5 70.4 105.6

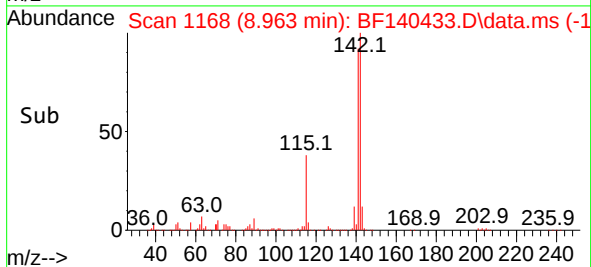
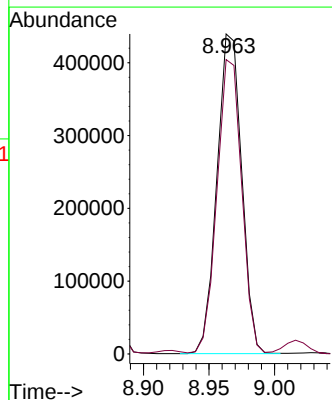
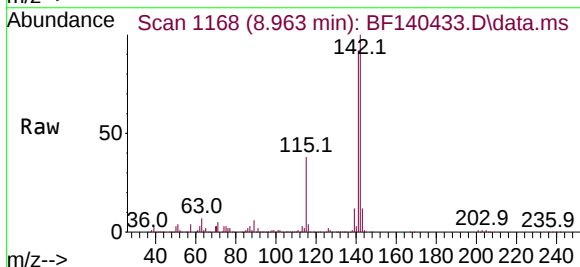
Manual Integrations
APPROVED

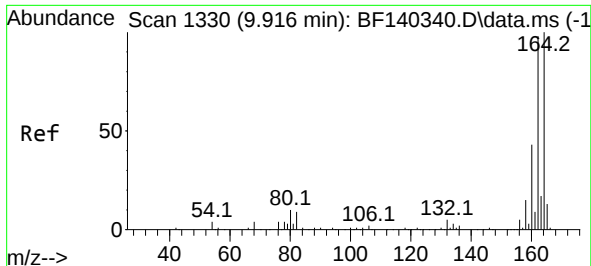
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#38
1-Methylnaphthalene
Concen: 40.817 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Tgt Ion:142 Resp: 575040
Ion Ratio Lower Upper
142 100
141 92.0 73.6 110.4





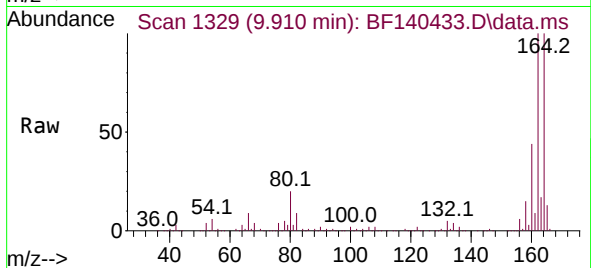
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD



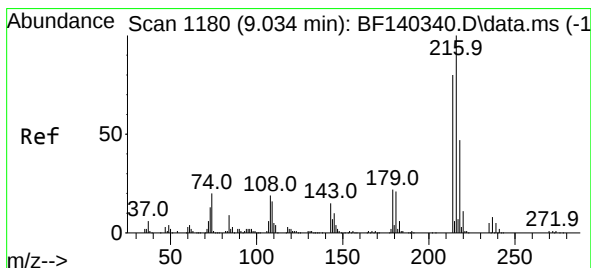
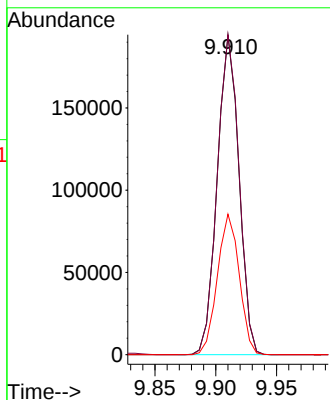
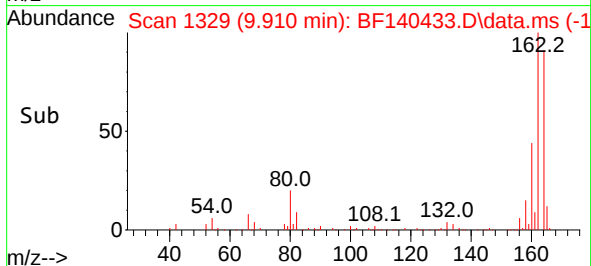
Tgt Ion:164 Resp: 24119
Ion Ratio Lower Upper
164 100
162 100.3 79.8 119.8
160 44.0 35.4 53.0

Manual Integrations

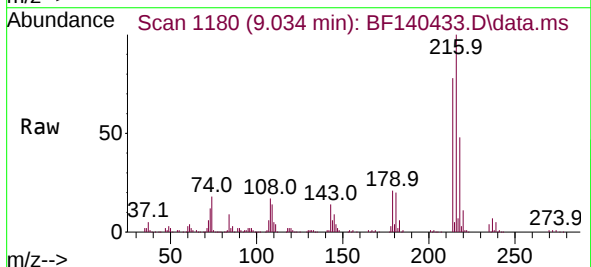
APPROVED

Reviewed By :Yogesh Patel 11/19/2024

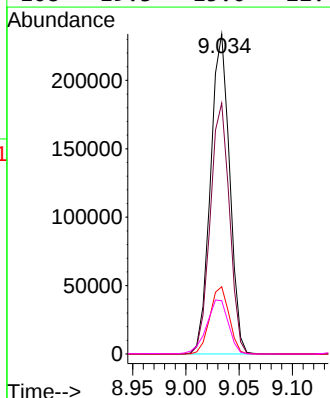
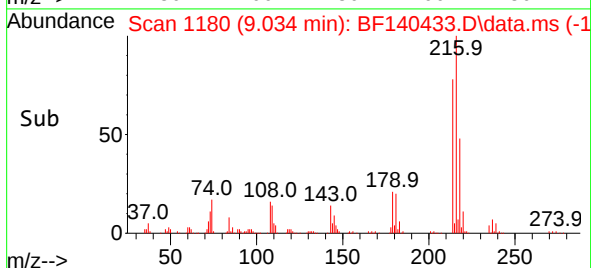
Supervised By :mohammad ahmed 11/19/2024

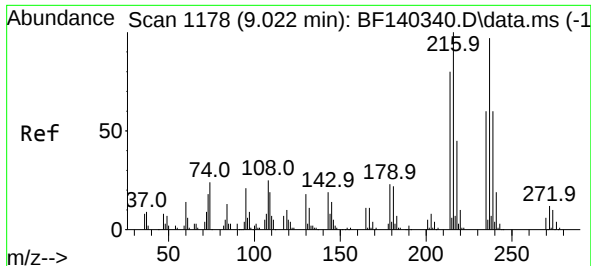


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.794 ng
RT: 9.034 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42



Tgt Ion:216 Resp: 292097
Ion Ratio Lower Upper
216 100
214 78.6 63.2 94.8
179 21.2 17.2 25.8
108 19.3 15.0 22.4





#41
Hexachlorocyclopentadiene
Concen: 108.606 ng
RT: 9.016 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

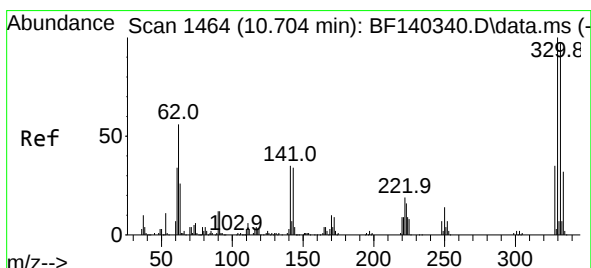
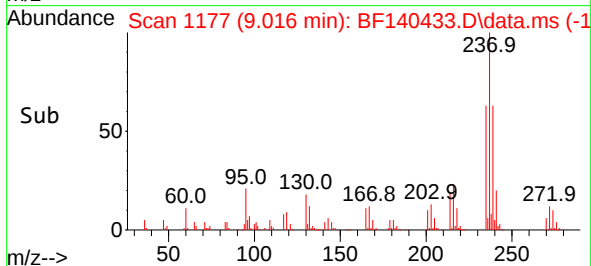
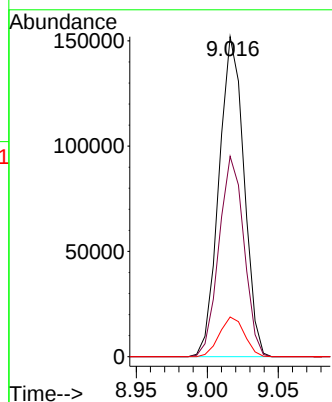
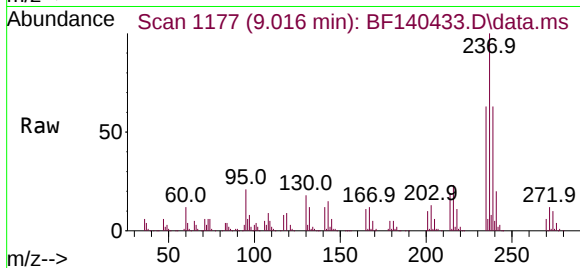
BP-F-24MSD

Tgt Ion:237 Resp: 18598
Ion Ratio Lower Upper
237 100
235 62.6 42.8 82.8
272 12.4 0.0 33.1

Manual Integrations

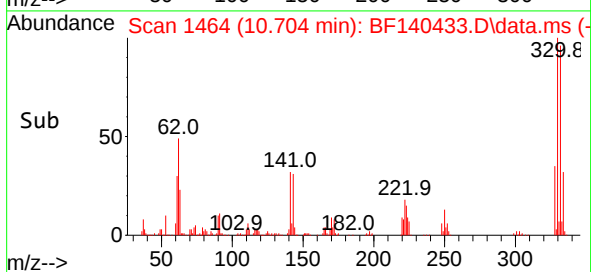
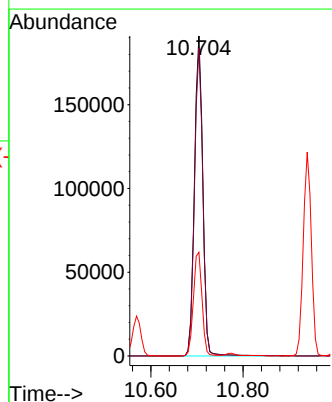
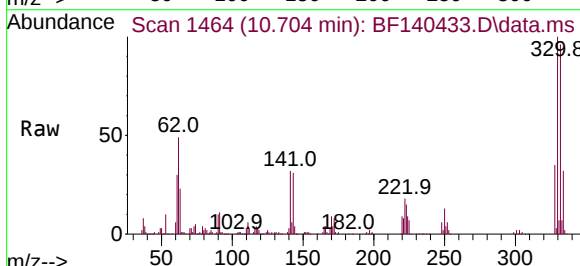
APPROVED

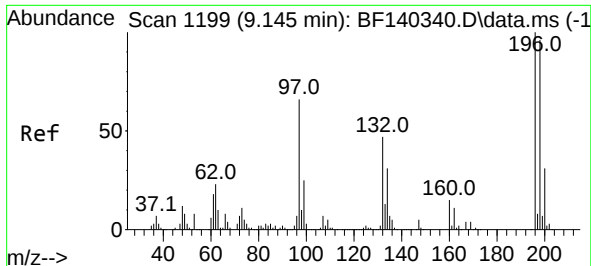
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#42
2,4,6-Tribromophenol
Concen: 99.709 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

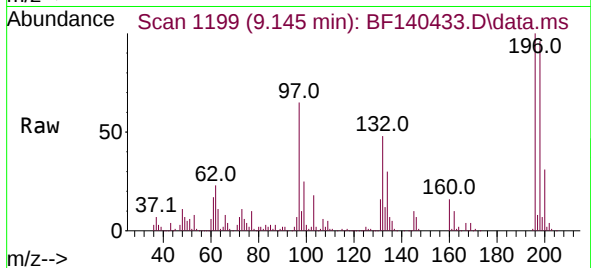
Tgt Ion:330 Resp: 239148
Ion Ratio Lower Upper
330 100
332 95.6 75.9 113.9
141 33.5 26.9 40.3





#43
2,4,6-Trichlorophenol
Concen: 44.713 ng
RT: 9.145 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

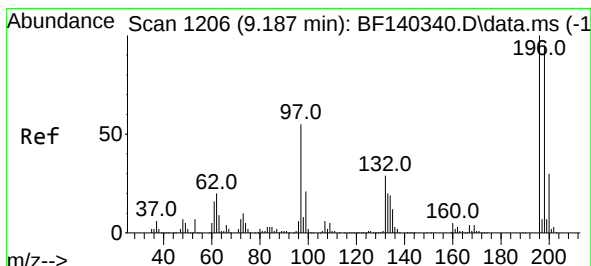
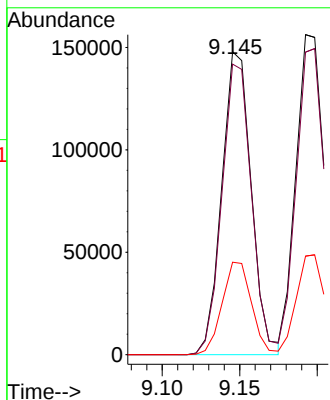
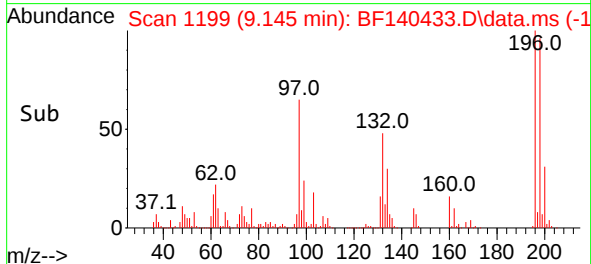
Instrument :
BNA_F
ClientSampleId :
BP-F-24MSD



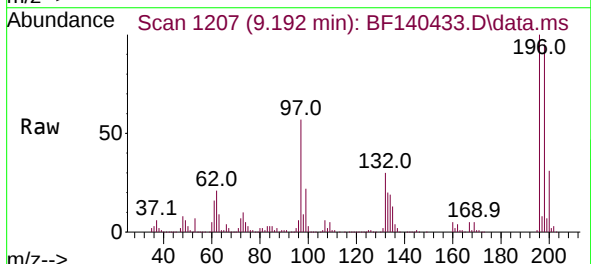
Tgt Ion:196 Resp: 19571
Ion Ratio Lower Upper
196 100
198 95.9 77.0 115.4
200 30.5 24.2 36.4

Manual Integrations
APPROVED

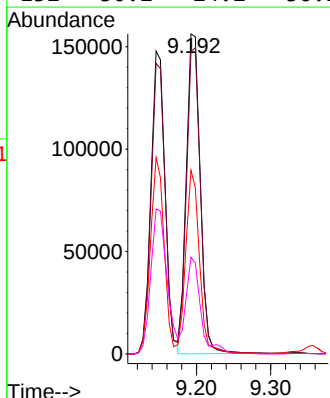
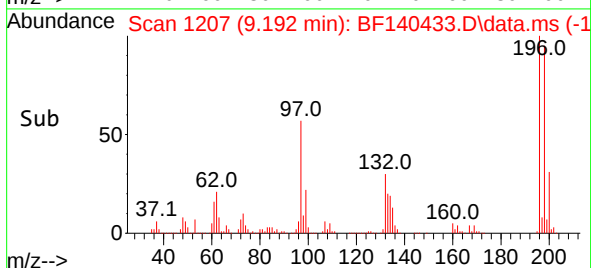
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024

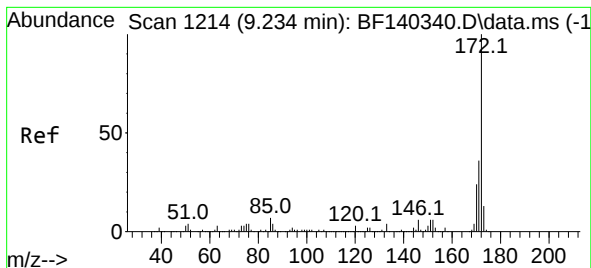


#44
2,4,5-Trichlorophenol
Concen: 42.789 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42



Tgt Ion:196 Resp: 204768
Ion Ratio Lower Upper
196 100
198 94.6 77.6 116.4
97 57.4 45.4 68.2
132 30.2 24.2 36.2





#45

2-Fluorobiphenyl

Concen: 68.102 ng

RT: 9.228 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140433.D

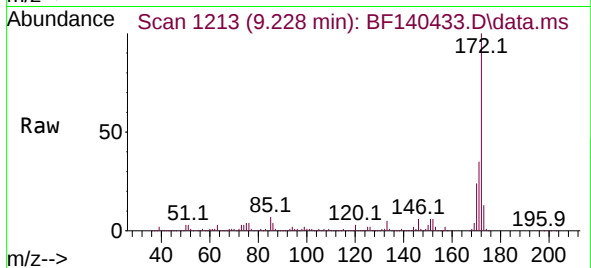
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD



Tgt Ion:172 Resp: 1021774

Ion Ratio Lower Upper

172 100

171 35.4 28.5 42.7

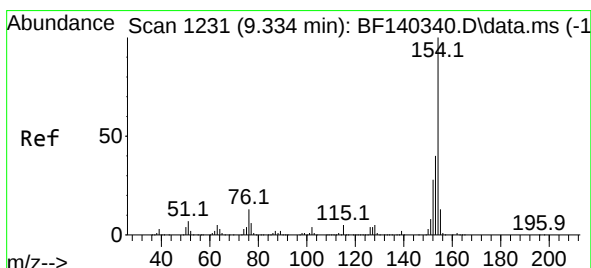
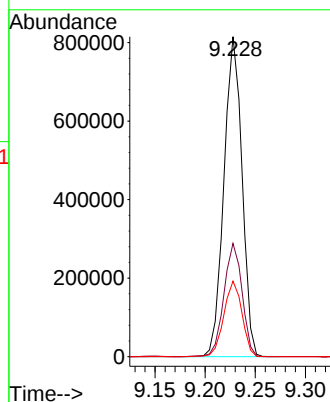
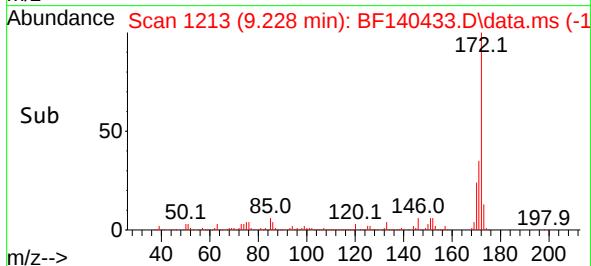
170 23.6 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



#46

1,1'-Biphenyl

Concen: 43.576 ng

RT: 9.328 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

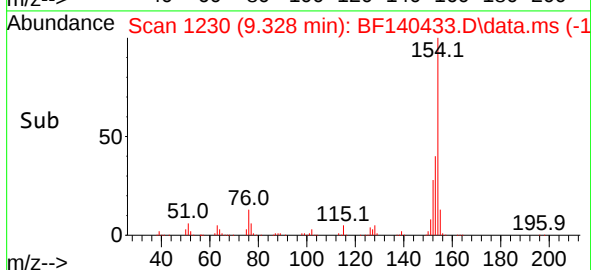
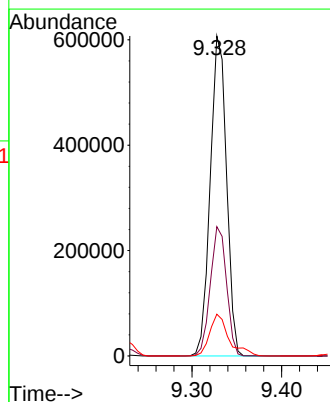
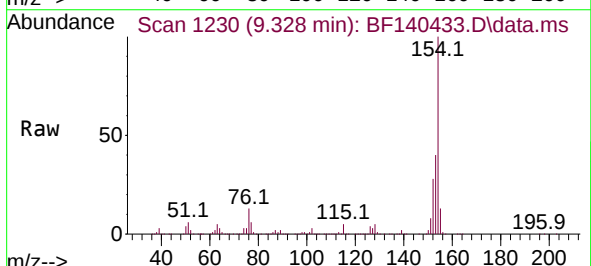
Tgt Ion:154 Resp: 764603

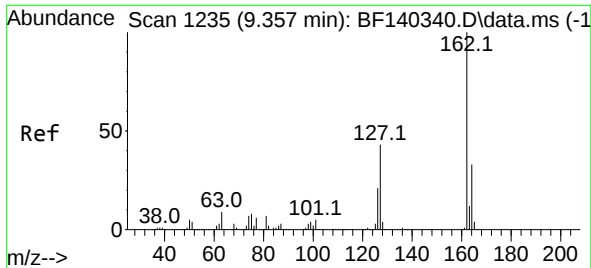
Ion Ratio Lower Upper

154 100

153 40.4 20.4 60.4

76 13.1 0.0 32.9





#47

2-Chloronaphthalene

Concen: 42.980 ng

RT: 9.357 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD

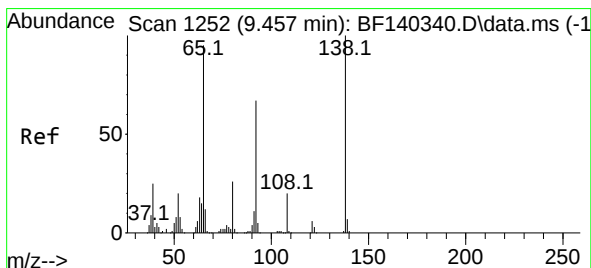
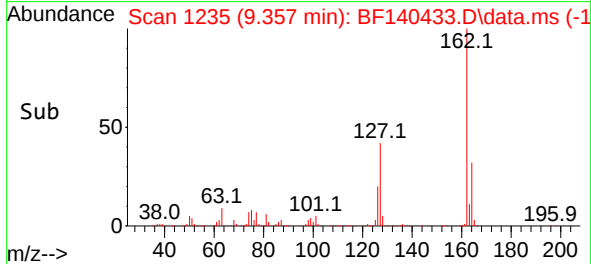
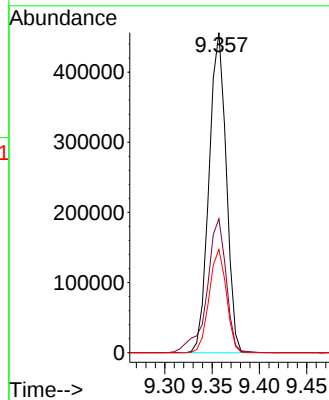
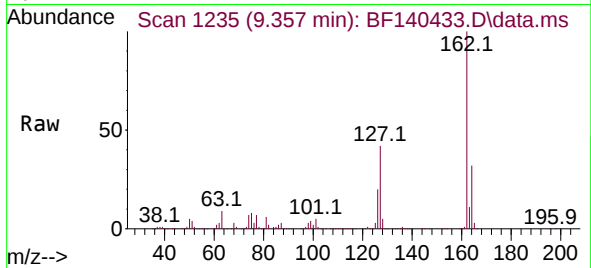
Tgt Ion:162 Resp: 57448
 Ion Ratio Lower Upper
 162 100
 127 41.8 34.0 51.0
 164 32.2 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



#48

2-Nitroaniline

Concen: 44.881 ng

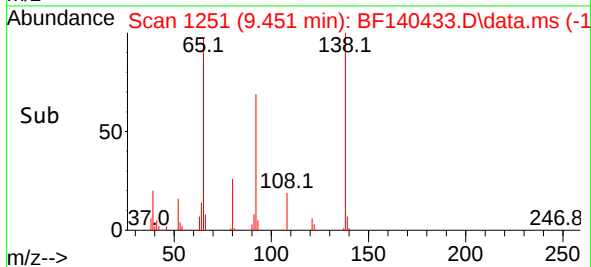
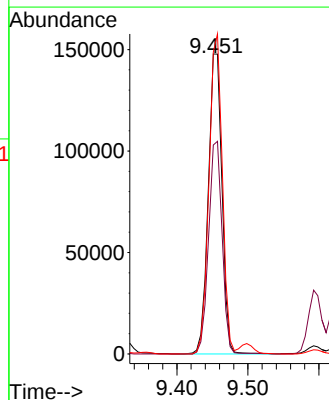
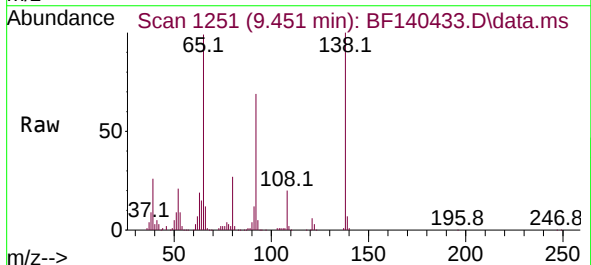
RT: 9.451 min Scan# 1251

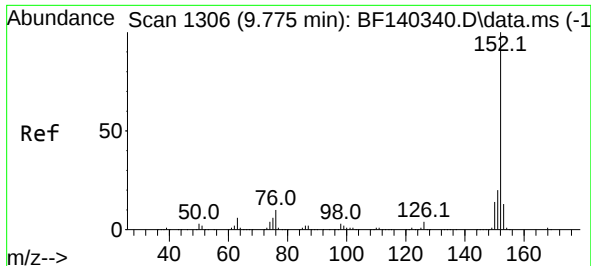
Delta R.T. -0.006 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

Tgt Ion: 65 Resp: 198947
 Ion Ratio Lower Upper
 65 100
 92 69.7 56.4 84.6
 138 100.6 84.8 127.2





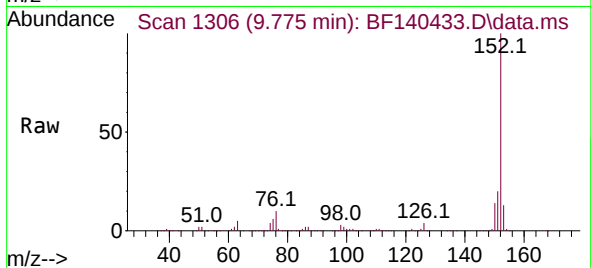
#49
Acenaphthylene
Concen: 46.714 ng
RT: 9.775 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD



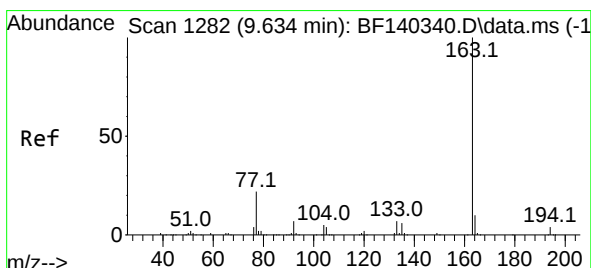
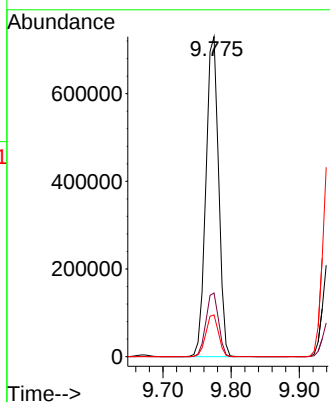
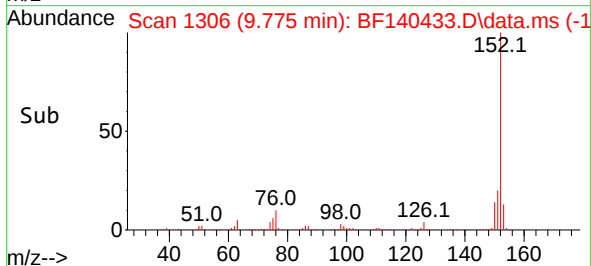
Tgt Ion:152 Resp: 94469
Ion Ratio Lower Upper
152 100
151 19.9 16.1 24.1
153 13.1 10.7 16.1

Manual Integrations

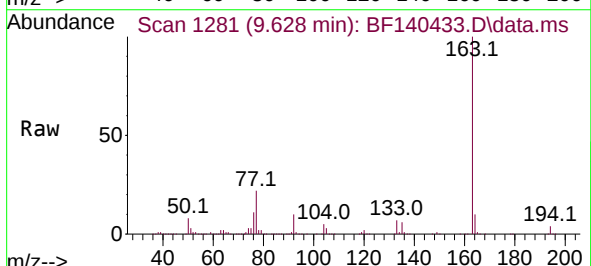
APPROVED

Reviewed By :Yogesh Patel 11/19/2024

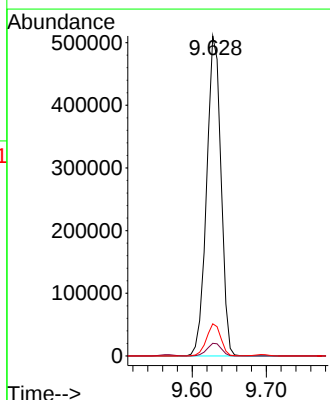
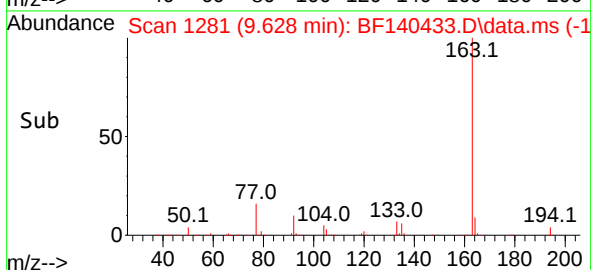
Supervised By :mohammad ahmed 11/19/2024

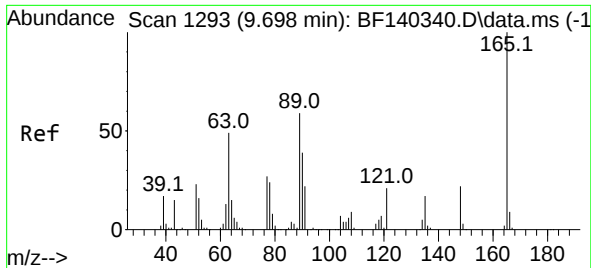


#50
Dimethylphthalate
Concen: 43.662 ng
RT: 9.628 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42



Tgt Ion:163 Resp: 686416
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 10.1 8.2 12.4





#51
2,6-Dinitrotoluene
Concen: 42.611 ng
RT: 9.692 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

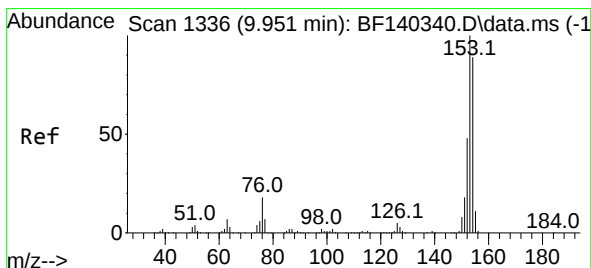
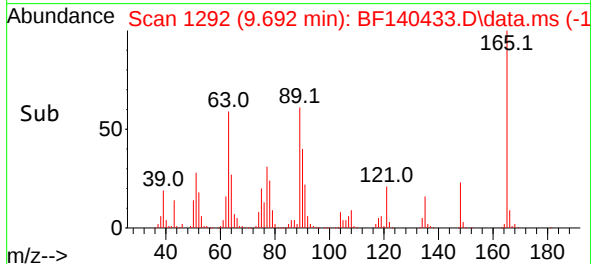
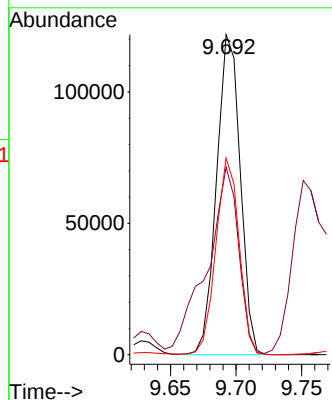
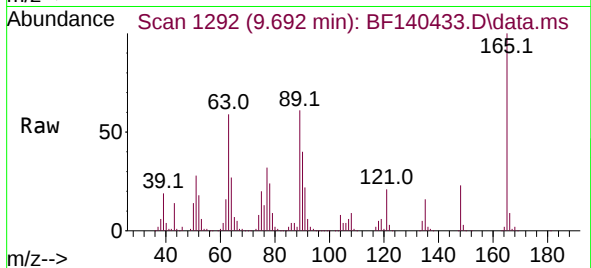
BP-F-24MSD

Tgt Ion:165 Resp: 152718
Ion Ratio Lower Upper
165 100
63 58.6 47.6 71.4
89 61.5 48.1 72.1

Manual Integrations

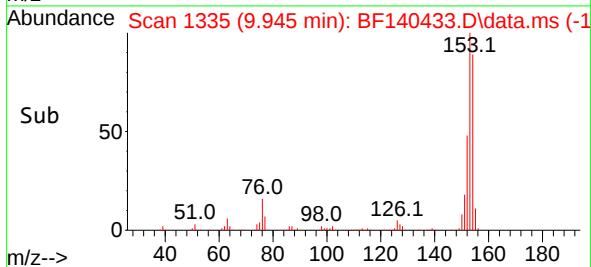
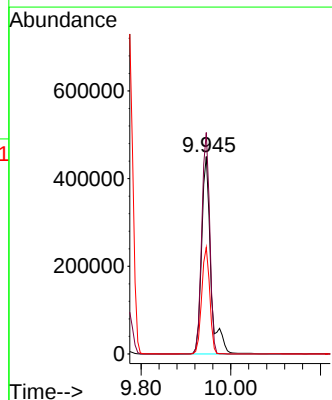
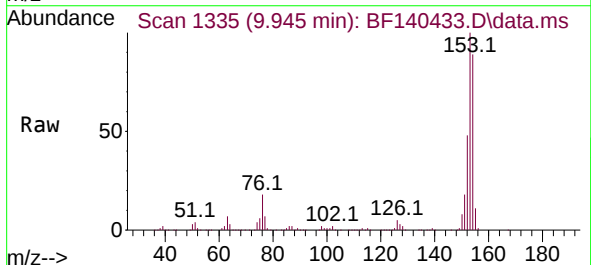
APPROVED

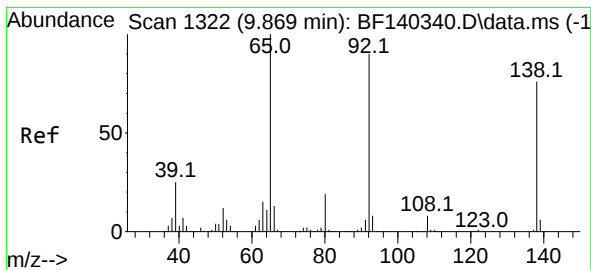
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#52
Acenaphthene
Concen: 46.778 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Tgt Ion:154 Resp: 638945
Ion Ratio Lower Upper
154 100
153 112.2 89.8 134.8
152 54.0 42.6 64.0





#53

3-Nitroaniline

Concen: 24.463 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD

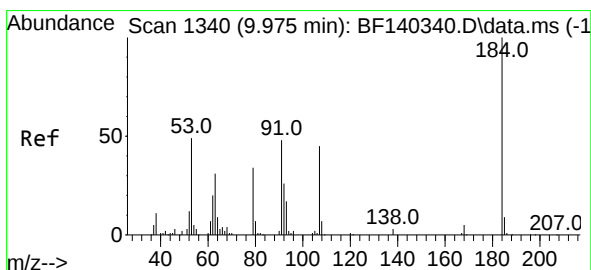
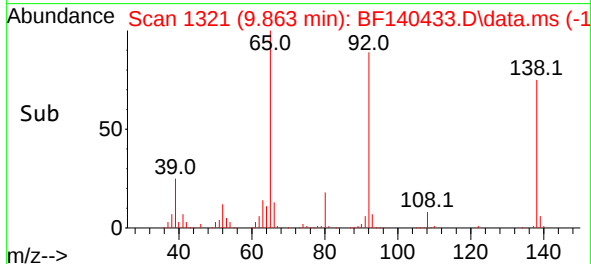
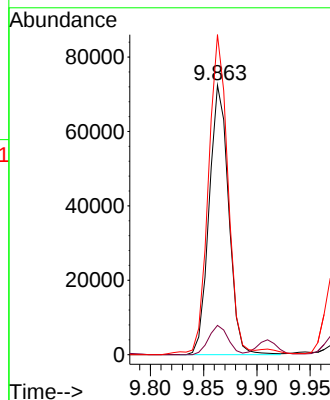
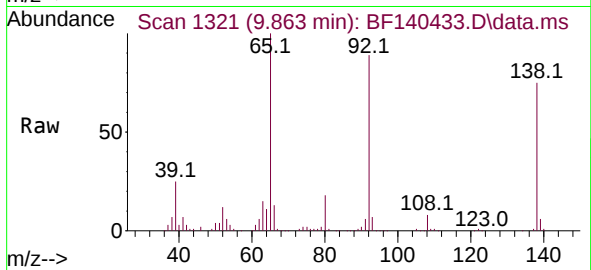
Tgt Ion:138 Resp: 9207
 Ion Ratio Lower Upper
 138 100
 108 10.9 8.4 12.6
 92 118.8 95.5 143.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



#54

2,4-Dinitrophenol

Concen: 64.131 ng

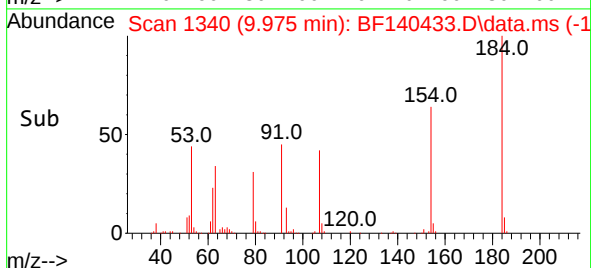
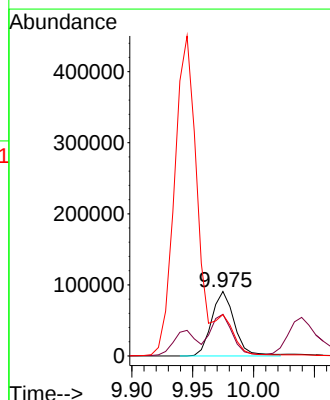
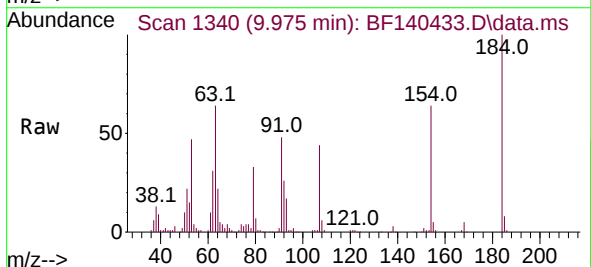
RT: 9.975 min Scan# 1340

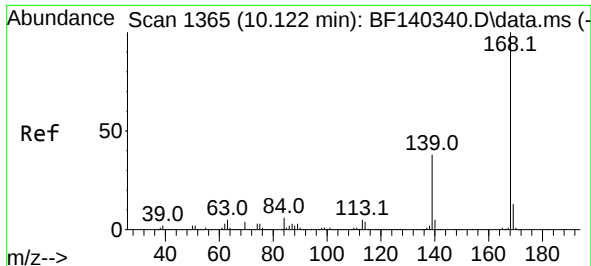
Delta R.T. -0.000 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

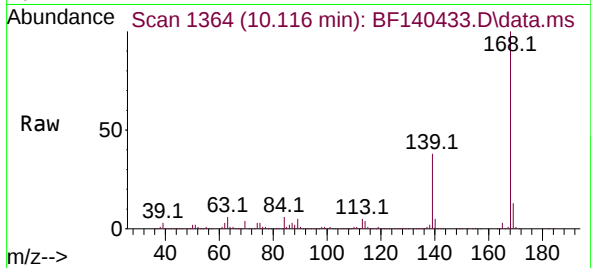
Tgt Ion:184 Resp: 118527
 Ion Ratio Lower Upper
 184 100
 63 64.4 53.5 80.3
 154 64.3 51.3 76.9





#55
Dibenzenofuran
Concen: 44.927 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

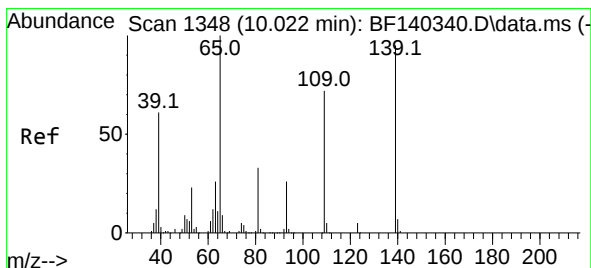
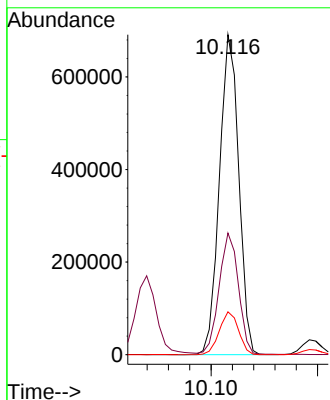
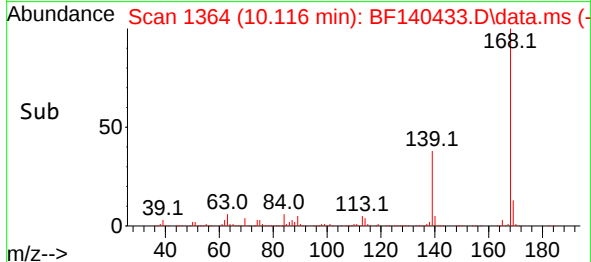
Instrument :
BNA_F
ClientSampleId :
BP-F-24MSD



Tgt Ion:168 Resp: 86871
Ion Ratio Lower Upper
168 100
139 38.0 30.8 46.2
169 13.4 10.8 16.2

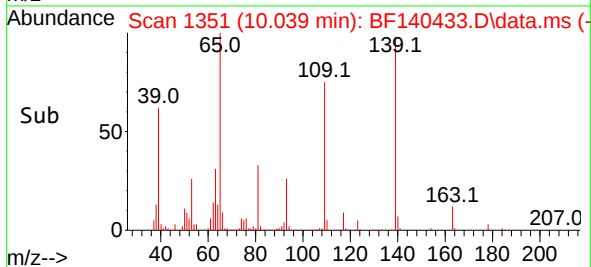
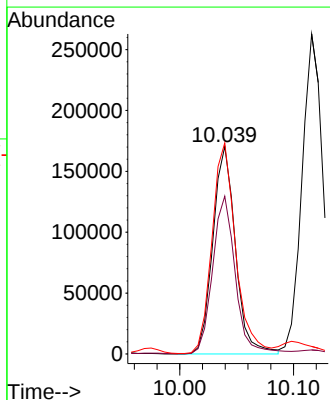
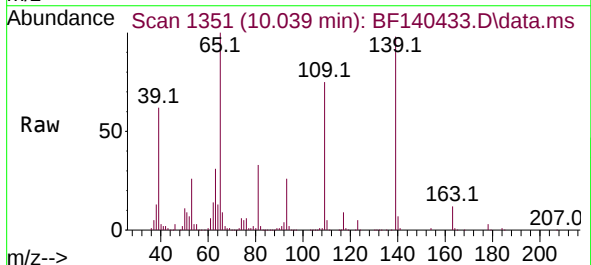
Manual Integrations
APPROVED

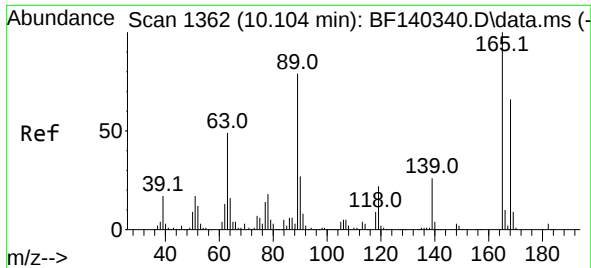
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#56
4-Nitrophenol
Concen: 85.832 ng
RT: 10.039 min Scan# 1351
Delta R.T. 0.018 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Tgt Ion:139 Resp: 235645
Ion Ratio Lower Upper
139 100
109 76.0 54.5 94.5
65 101.7 84.4 124.4





#57
2,4-Dinitrotoluene
Concen: 44.005 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

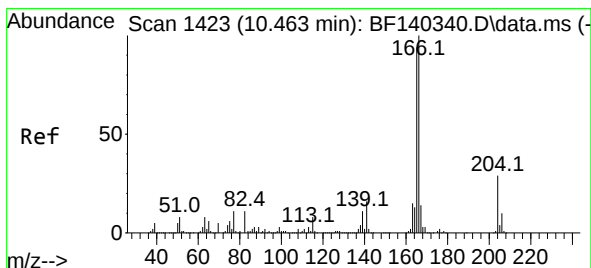
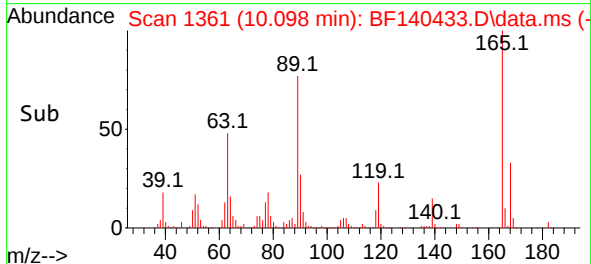
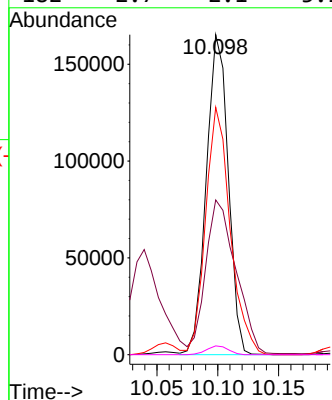
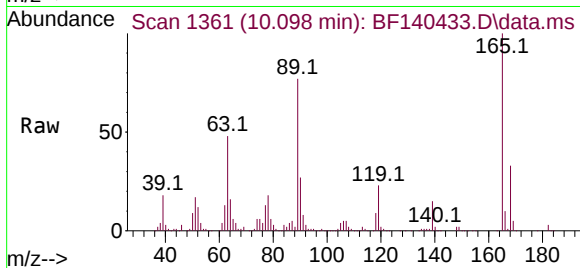
BP-F-24MSD

Tgt Ion:165 Resp: 207569
Ion Ratio Lower Upper
165 100
63 48.4 39.4 59.0
89 77.3 62.4 93.6
182 2.7 2.1 3.1

Manual Integrations

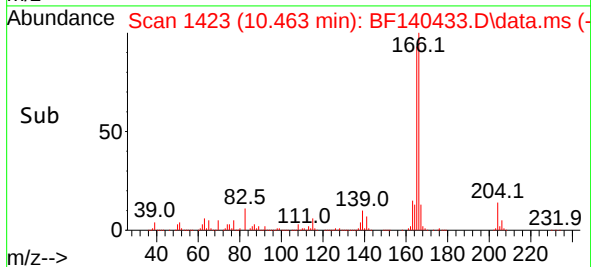
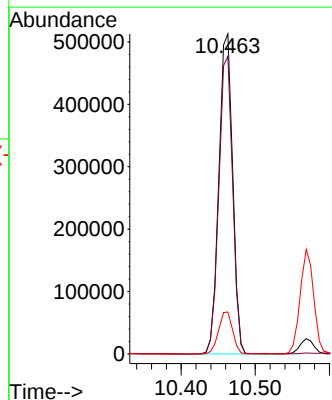
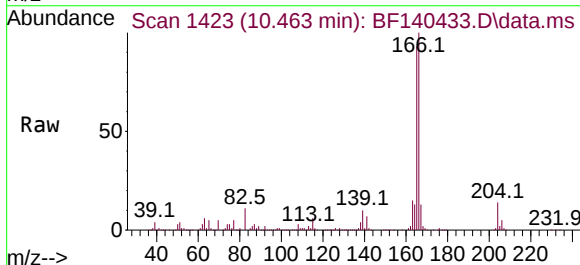
APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#58
Fluorene
Concen: 43.526 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.000 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

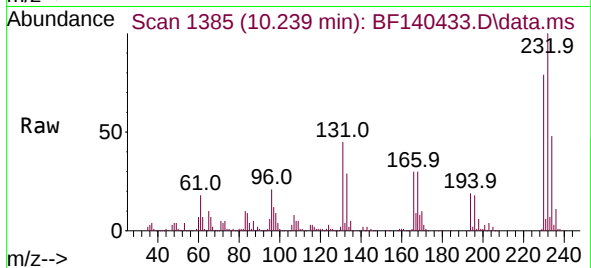
Tgt Ion:166 Resp: 664869
Ion Ratio Lower Upper
166 100
165 93.0 73.9 110.9
167 13.1 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 46.621 ng
RT: 10.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

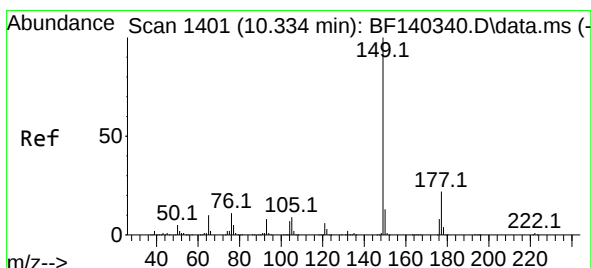
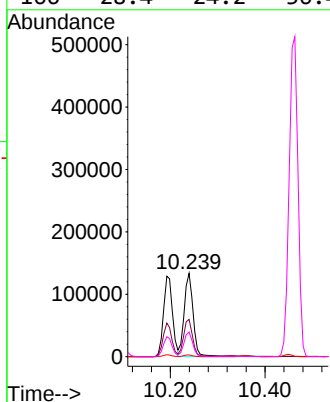
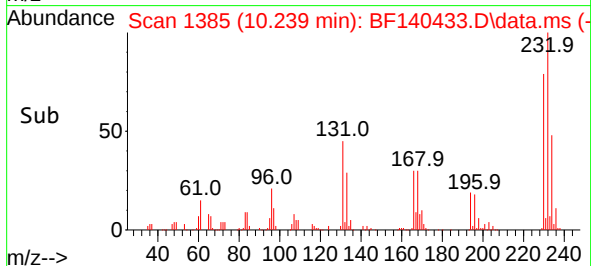
Instrument :
BNA_F
ClientSampleId :
BP-F-24MSD



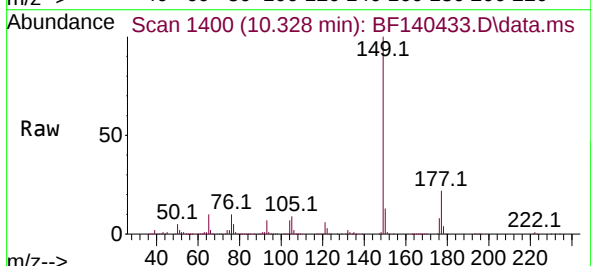
Tgt Ion:232 Resp: 176161
Ion Ratio Lower Upper
232 100
131 43.3 36.8 55.2
130 2.1 1.9 2.9
166 28.4 24.2 36.4

Manual Integrations
APPROVED

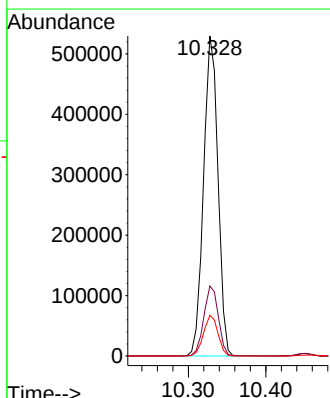
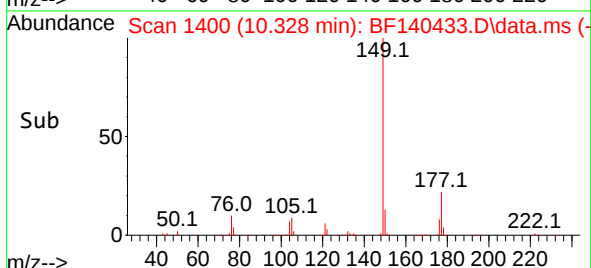
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024

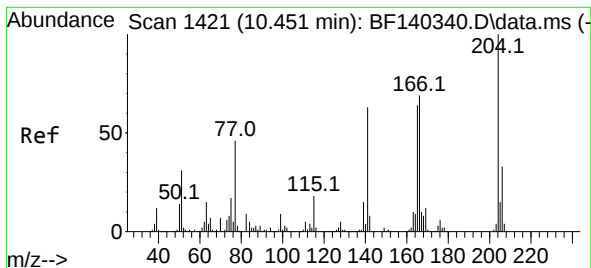


#60
Diethylphthalate
Concen: 42.445 ng
RT: 10.328 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42



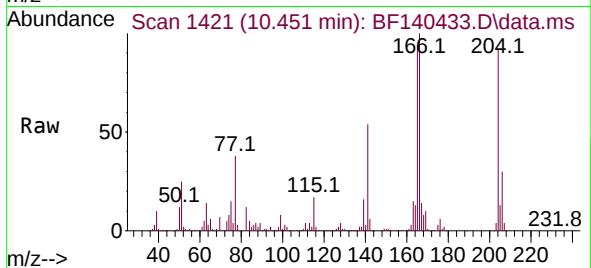
Tgt Ion:149 Resp: 682329
Ion Ratio Lower Upper
149 100
177 21.9 17.5 26.3
150 12.7 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 43.354 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

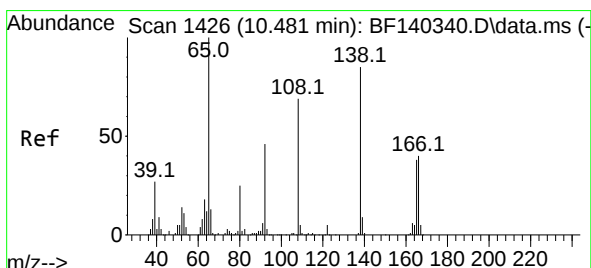
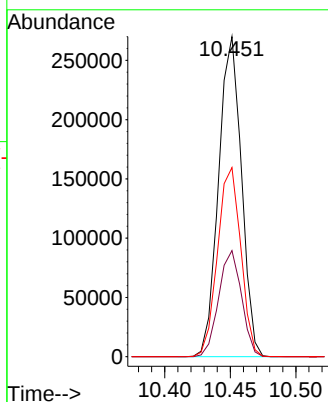
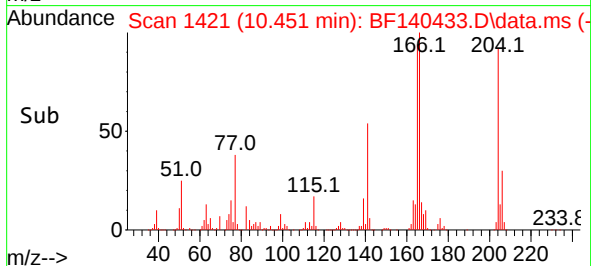
Instrument :
BNA_F
ClientSampleId :
BP-F-24MSD



Tgt Ion:204 Resp: 326950
Ion Ratio Lower Upper
204 100
206 33.1 26.0 39.0
141 59.1 49.8 74.8

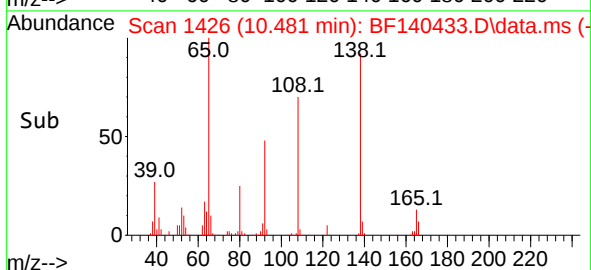
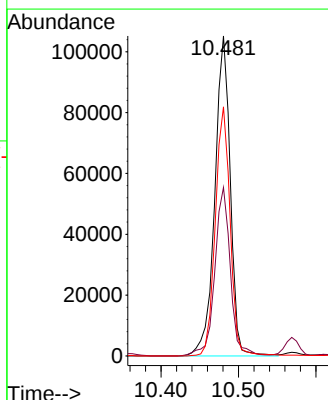
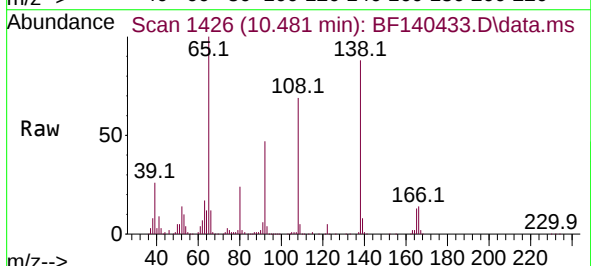
Manual Integrations
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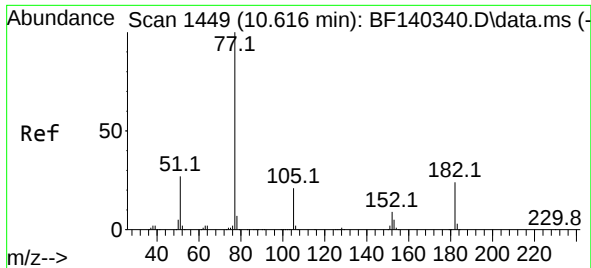
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#62
4-Nitroaniline
Concen: 37.930 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Tgt Ion:138 Resp: 145972
Ion Ratio Lower Upper
138 100
92 52.7 33.8 73.8
108 77.9 59.9 99.9





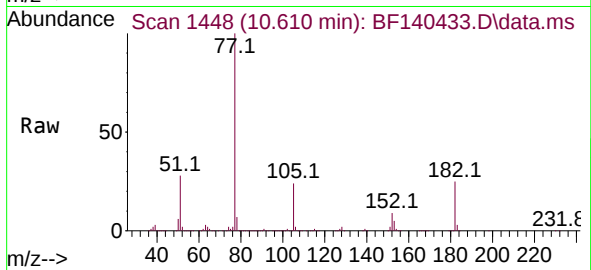
#63
Azobenzene
Concen: 50.771 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD



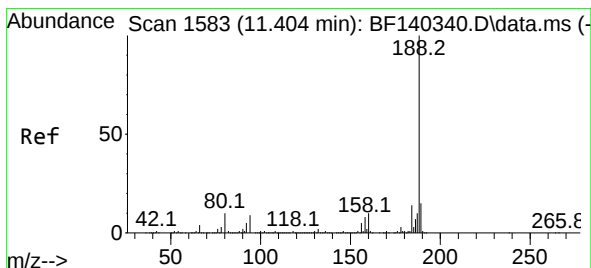
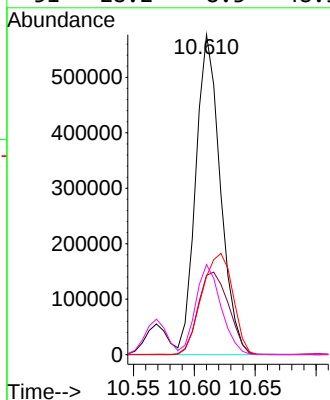
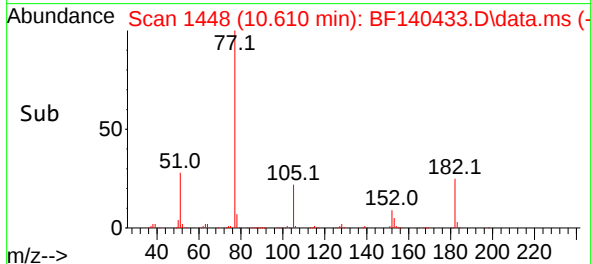
Tgt Ion: 77 Resp: 806432
Ion Ratio Lower Upper
77 100
182 24.8 4.6 44.6
105 24.4 0.9 40.9
51 28.2 8.3 48.3

Manual Integrations

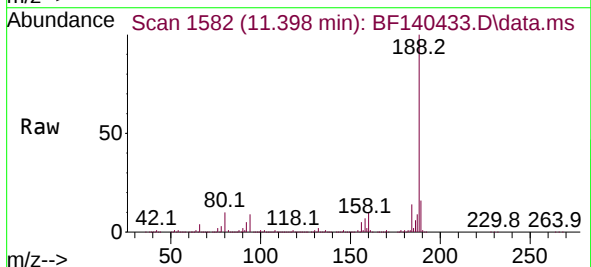
APPROVED

Reviewed By :Yogesh Patel 11/19/2024

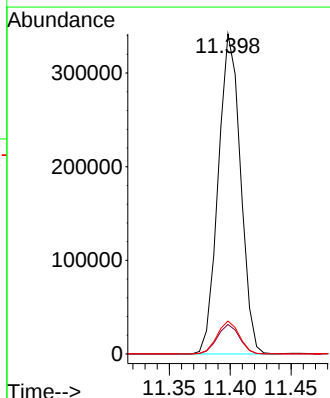
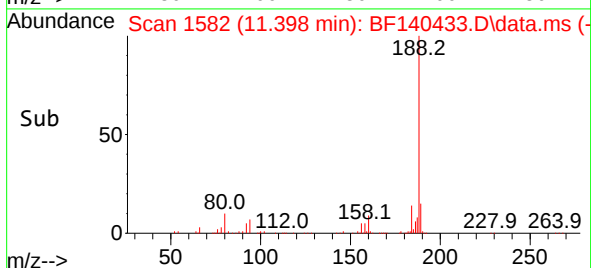
Supervised By :mohammad ahmed 11/19/2024

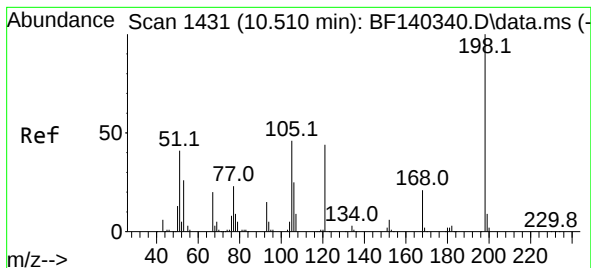


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42



Tgt Ion:188 Resp: 435790
Ion Ratio Lower Upper
188 100
94 9.2 7.6 11.4
80 10.3 8.0 12.0





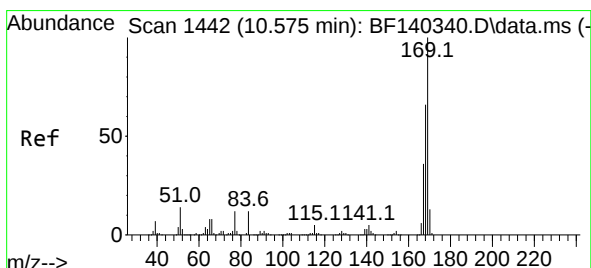
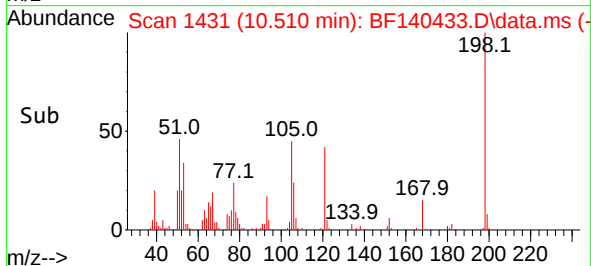
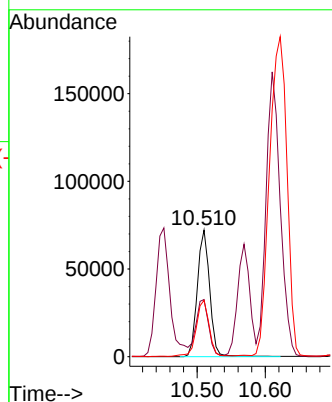
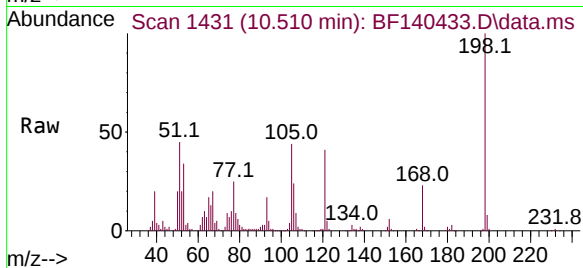
#65
4,6-Dinitro-2-methylphenol
Concen: 38.784 ng
RT: 10.510 min Scan# 1431
Delta R.T. 0.000 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :
BNA_F
ClientSampleId :
BP-F-24MSD

Tgt Ion:198 Resp: 90934
Ion Ratio Lower Upper
198 100
51 45.1 29.7 69.7
105 44.5 26.3 66.3

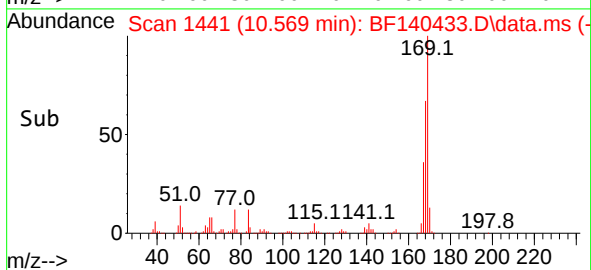
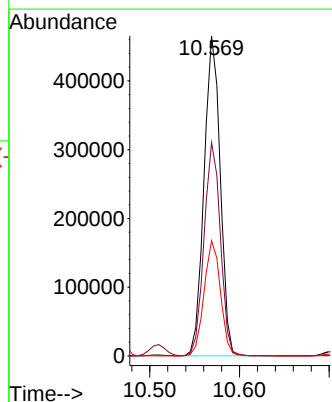
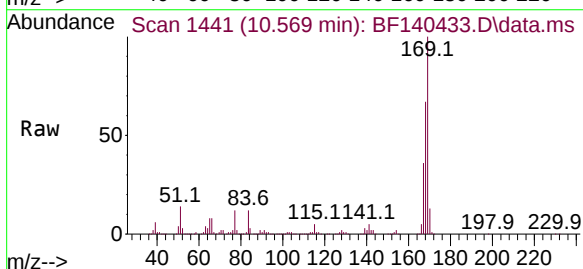
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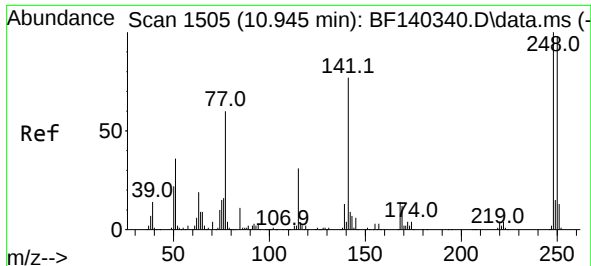
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#66
n-Nitrosodiphenylamine
Concen: 46.317 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Tgt Ion:169 Resp: 583203
Ion Ratio Lower Upper
169 100
168 66.7 52.7 79.1
167 36.0 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 43.048 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

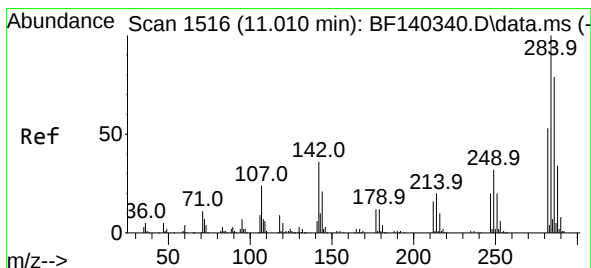
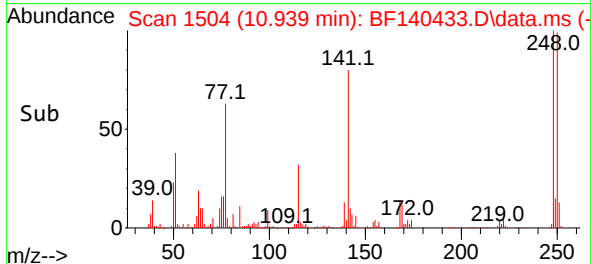
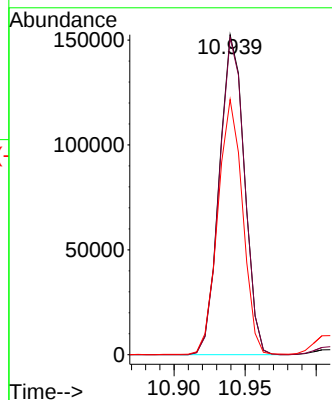
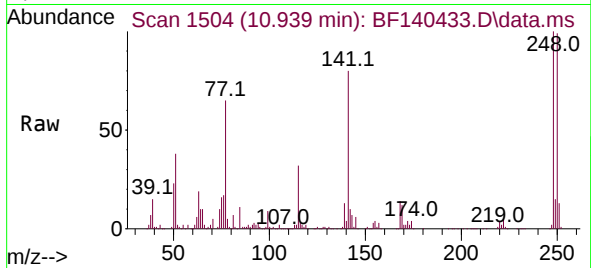
ClientSampleId :

BP-F-24MSD

Tgt Ion:248 Resp: 187529
Ion Ratio Lower Upper
248 100
250 99.0 77.9 116.9
141 79.8 61.8 92.6

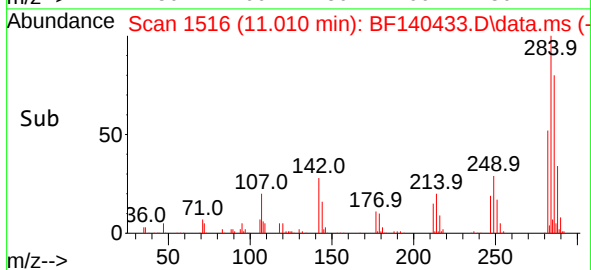
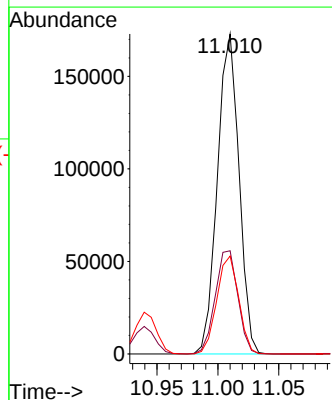
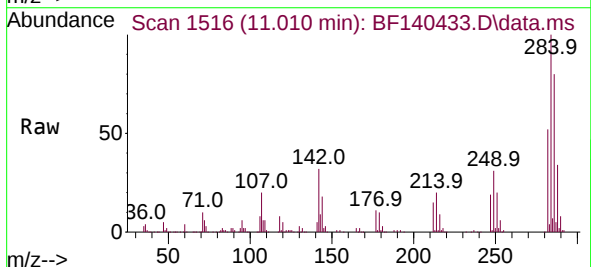
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#68
Hexachlorobenzene
Concen: 43.603 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Tgt Ion:284 Resp: 213713
Ion Ratio Lower Upper
284 100
142 32.3 28.1 42.1
249 30.6 24.9 37.3





#69

Atrazine

Concen: 48.673 ng

RT: 11.098 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF140433.D

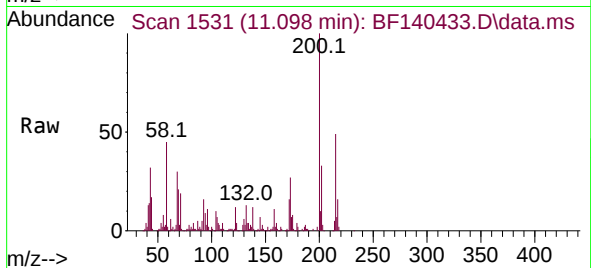
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD



Tgt Ion:200 Resp: 18542

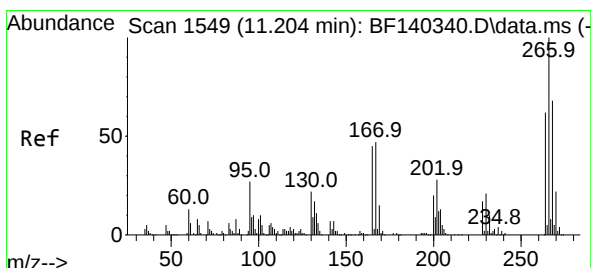
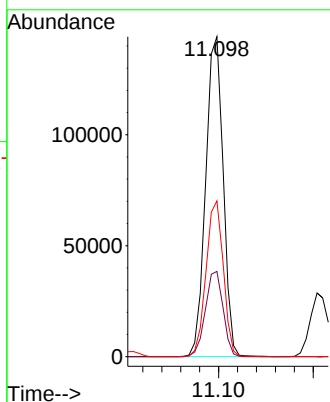
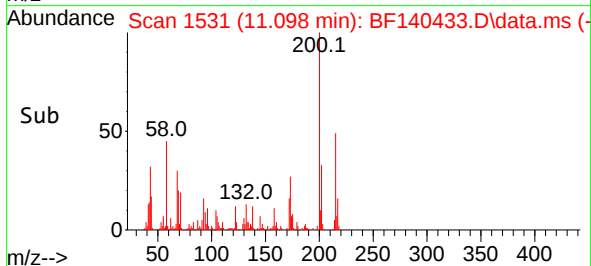
Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.6	46.6
215	48.7	27.2	67.2

Manual Integrations

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Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



#70

Pentachlorophenol

Concen: 78.113 ng

RT: 11.204 min Scan# 1549

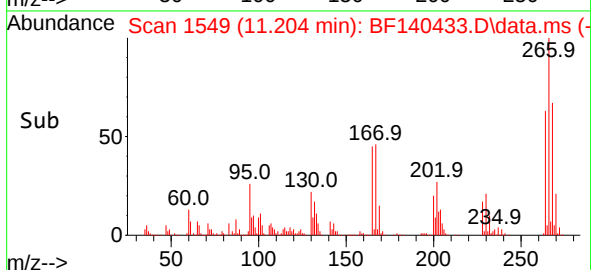
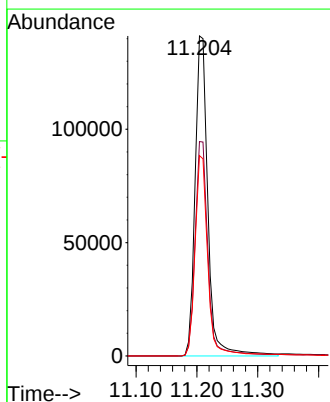
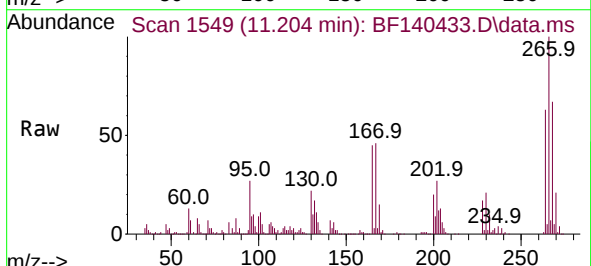
Delta R.T. 0.000 min

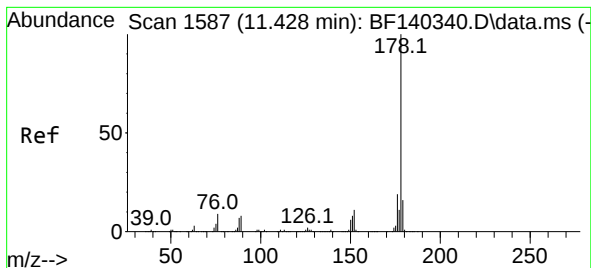
Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

Tgt Ion:266 Resp: 206235

Ion	Ratio	Lower	Upper
266	100		
268	67.0	52.9	79.3
264	62.6	50.3	75.5





#71

Phenanthrene

Concen: 44.054 ng

RT: 11.428 min Scan# 1587

Delta R.T. 0.000 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD

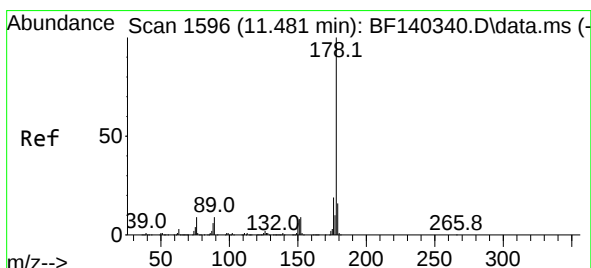
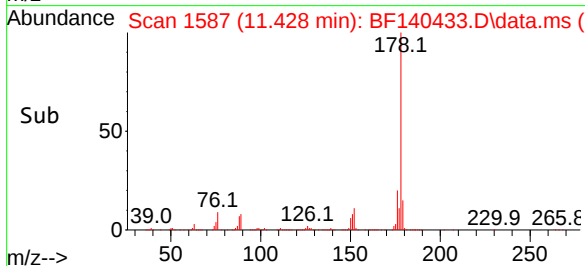
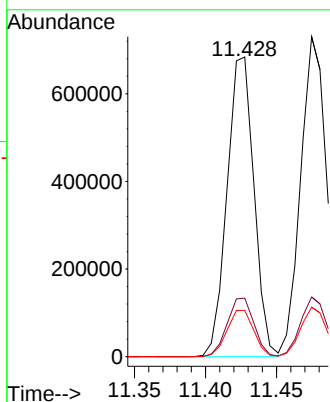
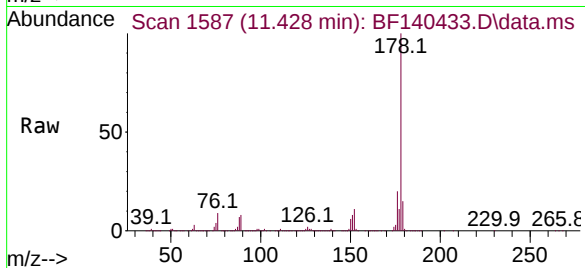
Tgt Ion:178 Resp: 901845
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.5 23.3
 179 15.4 12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



#72

Anthracene

Concen: 46.019 ng

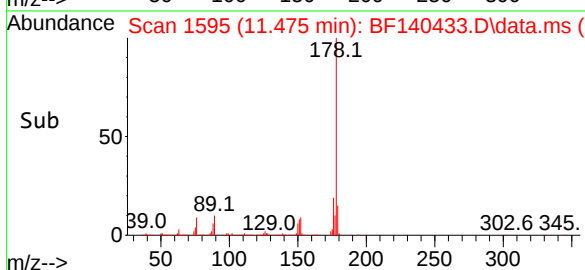
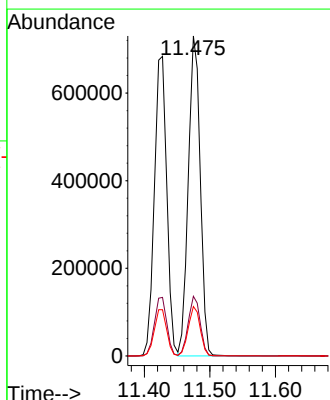
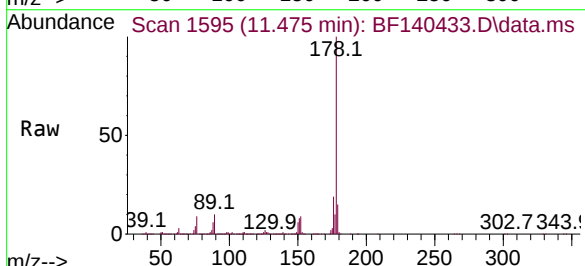
RT: 11.475 min Scan# 1595

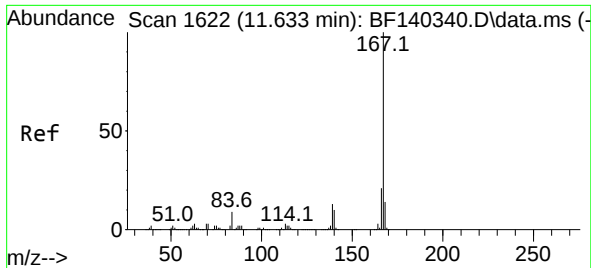
Delta R.T. -0.006 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

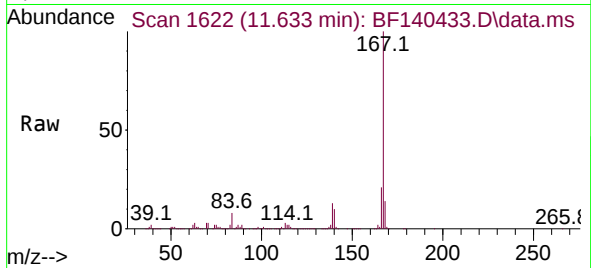
Tgt Ion:178 Resp: 923292
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.0
 179 15.5 12.6 18.8





#73
 Carbazole
 Concen: 41.601 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. 0.000 min
 Lab File: BF140433.D
 Acq: 16 Nov 2024 16:42

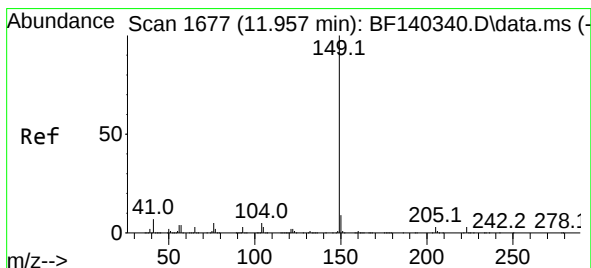
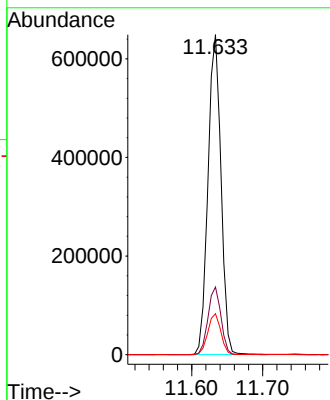
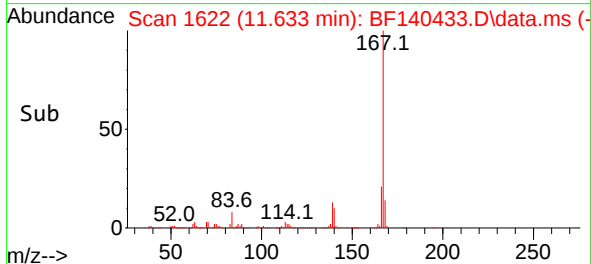
Instrument :
 BNA_F
 ClientSampleId :
 BP-F-24MSD



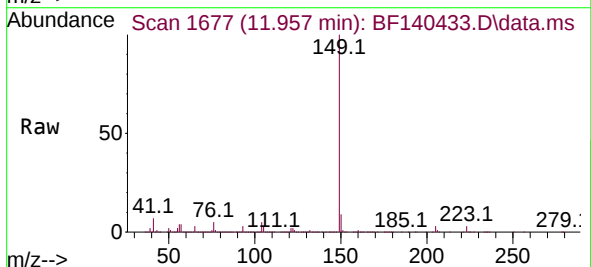
Tgt Ion:167 Resp: 824140
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.2 25.8
 139 12.8 10.4 15.6

Manual Integrations
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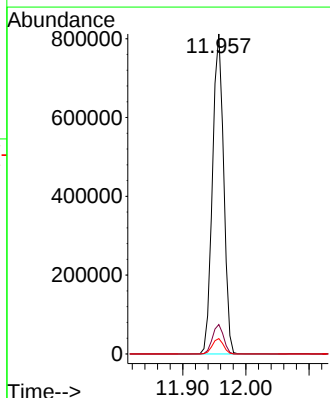
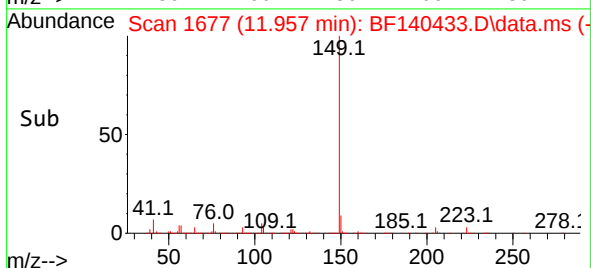
Reviewed By :Yogesh Patel 11/19/2024
 Supervised By :mohammad ahmed 11/19/2024

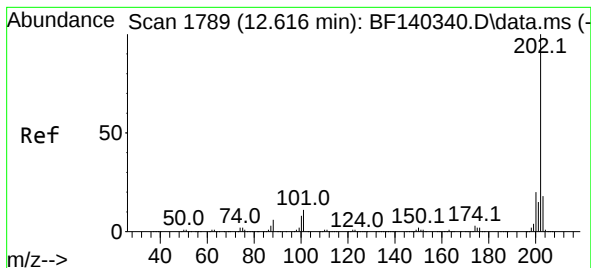


#74
 Di-n-butylphthalate
 Concen: 41.890 ng
 RT: 11.957 min Scan# 1677
 Delta R.T. 0.000 min
 Lab File: BF140433.D
 Acq: 16 Nov 2024 16:42



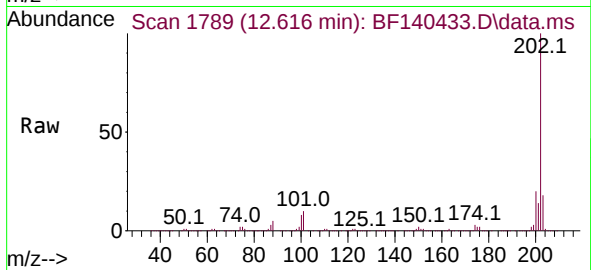
Tgt Ion:149 Resp: 996031
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.2
 104 4.8 4.0 6.0





#75
Fluoranthene
Concen: 36.403 ng
RT: 12.616 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

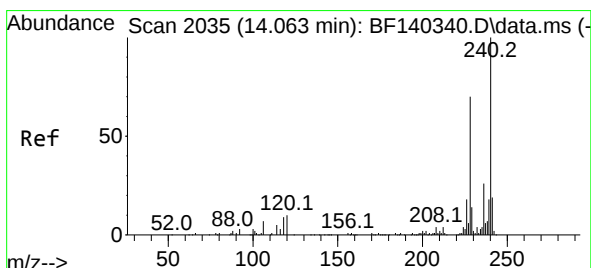
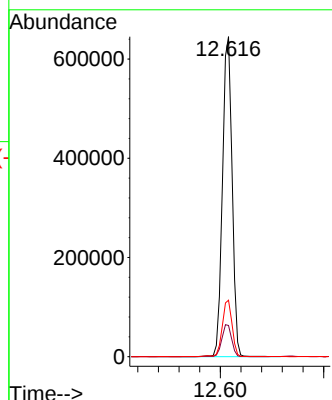
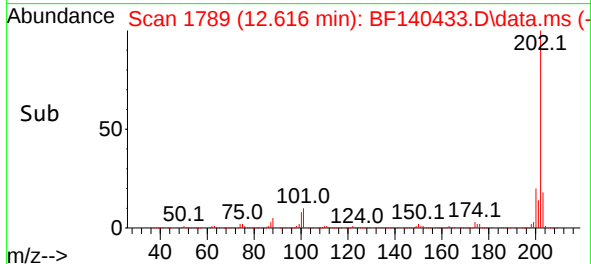
Instrument :
BNA_F
ClientSampleId :
BP-F-24MSD



Tgt Ion:202 Resp: 836060
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.7
203 17.6 0.0 37.7

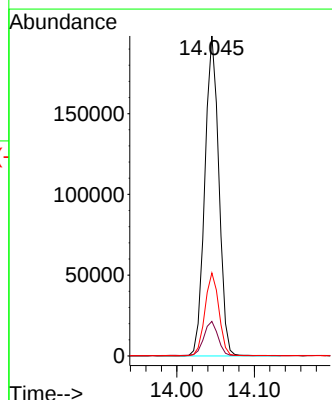
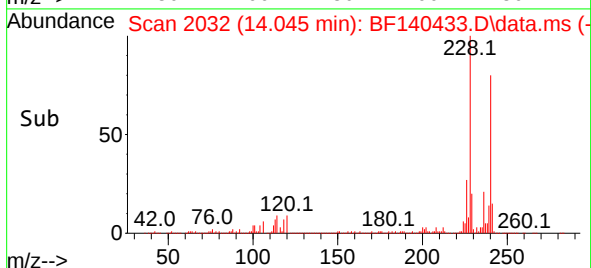
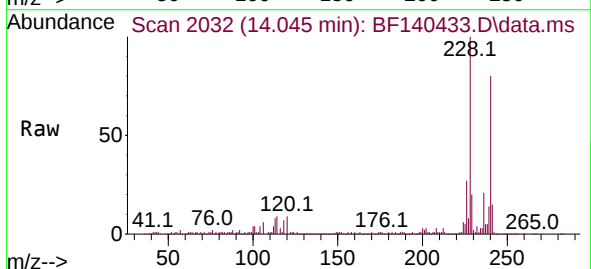
Manual Integrations
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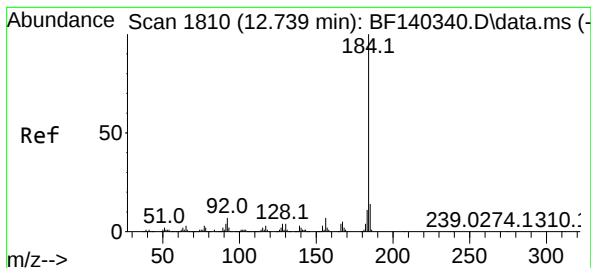
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Tgt Ion:240 Resp: 249345
Ion Ratio Lower Upper
240 100
120 10.8 8.8 13.2
236 26.0 20.9 31.3





#77

Benzidine

Concen: 23.923 ng

RT: 12.733 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD

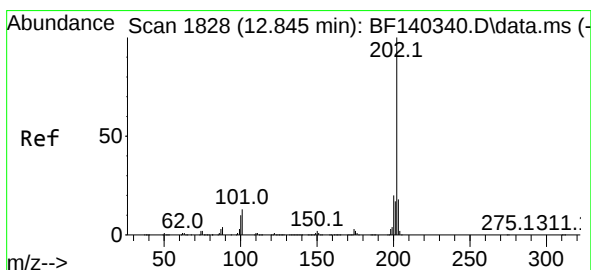
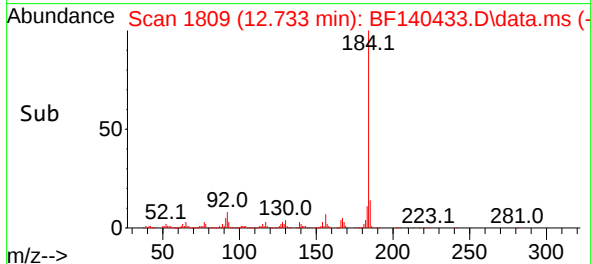
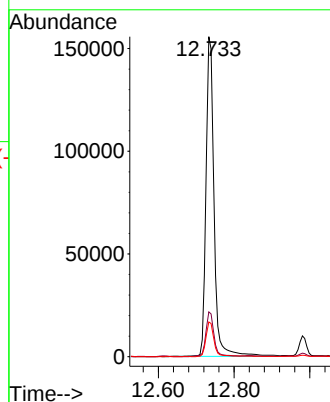
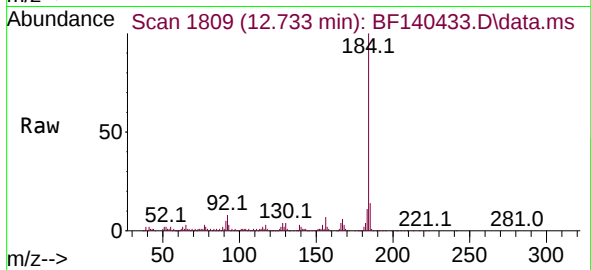
Tgt Ion:184 Resp: 228940
 Ion Ratio Lower Upper
 184 100
 185 14.0 11.9 17.9
 183 10.8 8.6 13.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



#78

Pyrene

Concen: 39.400 ng

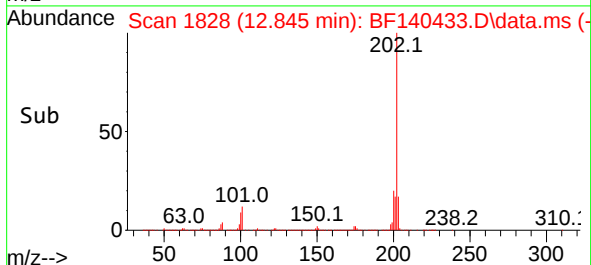
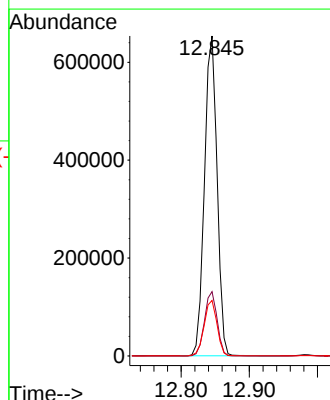
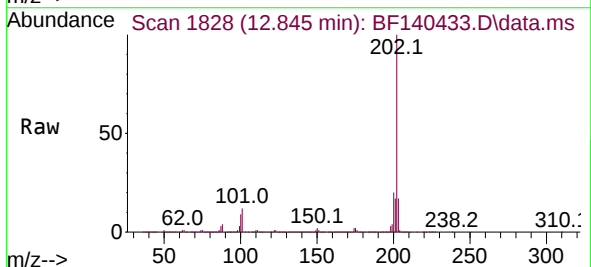
RT: 12.845 min Scan# 1828

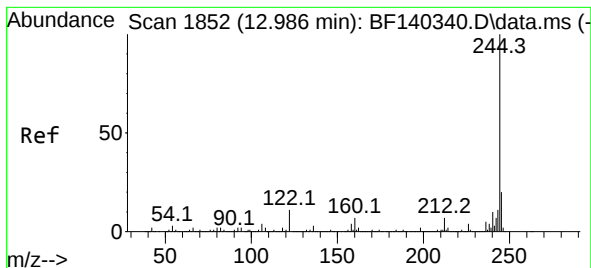
Delta R.T. 0.000 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

Tgt Ion:202 Resp: 840339
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.2 24.2
 203 17.4 14.2 21.4





#79

Terphenyl-d14

Concen: 62.120 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD

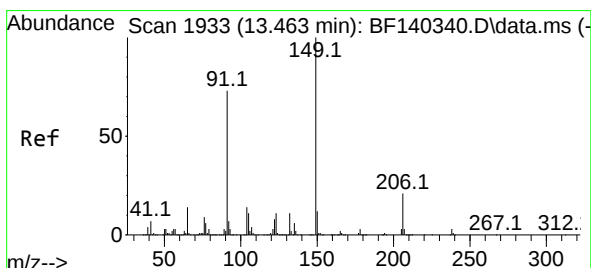
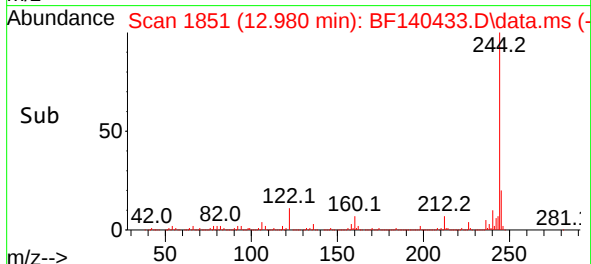
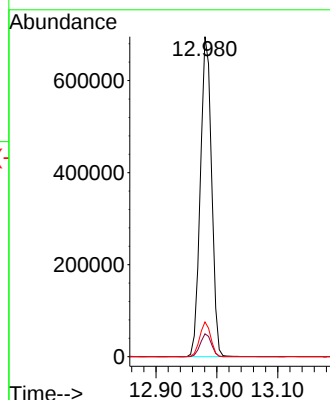
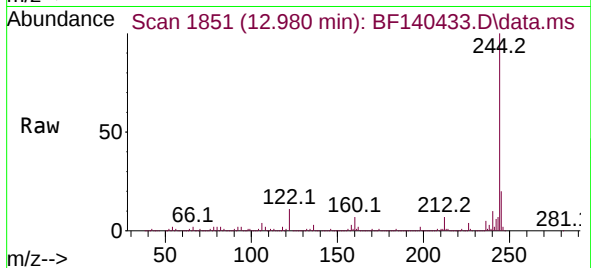
Tgt Ion:244 Resp: 89234
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 10.8 8.8 13.2

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#80

Butylbenzylphthalate

Concen: 39.409 ng

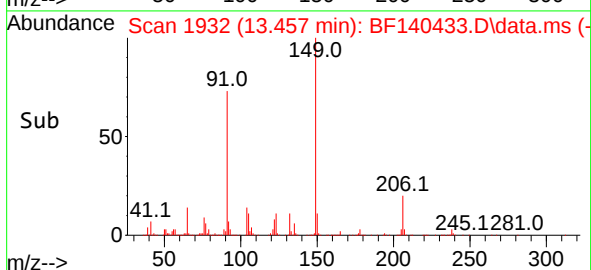
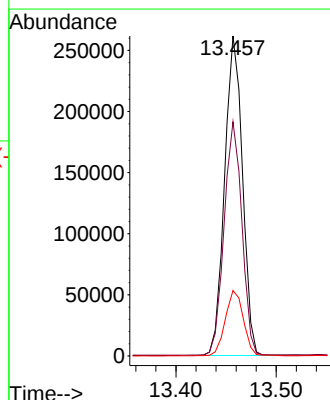
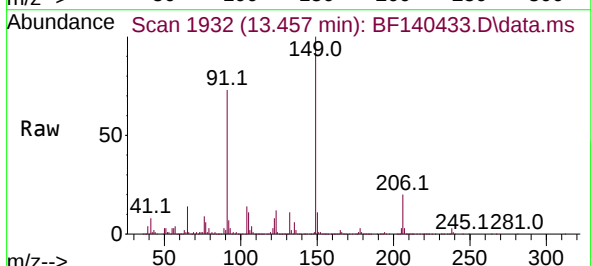
RT: 13.457 min Scan# 1932

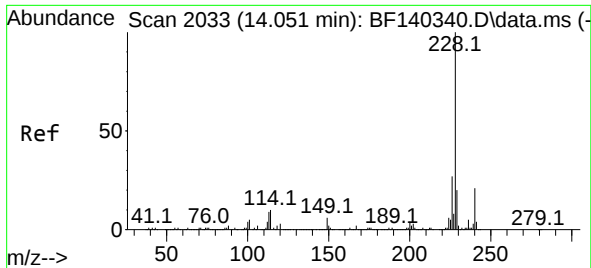
Delta R.T. 0.000 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

Tgt Ion:149 Resp: 322887
 Ion Ratio Lower Upper
 149 100
 91 73.2 61.0 91.4
 206 20.5 16.1 24.1





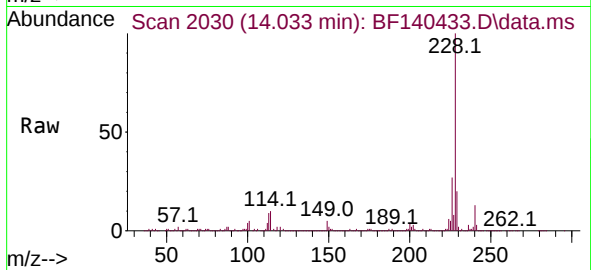
#81
Benzo(a)anthracene
Concen: 43.989 ng
RT: 14.033 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD

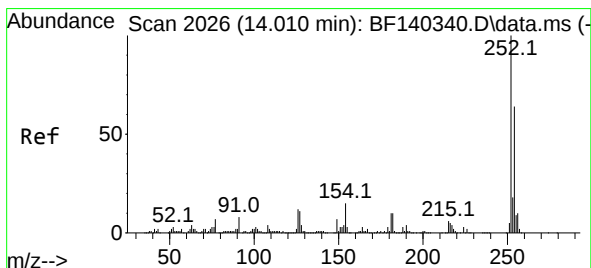
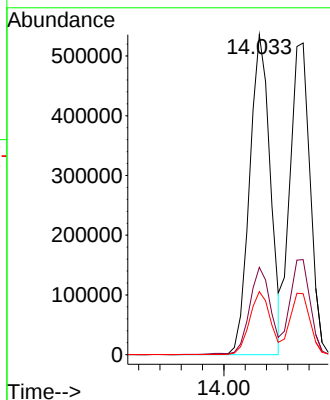
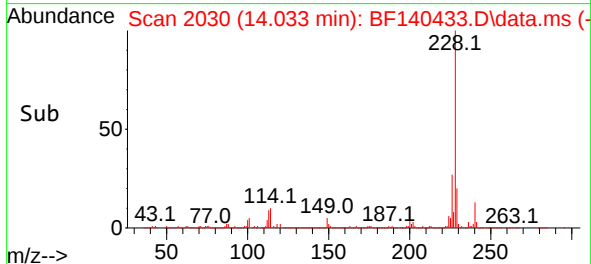


Tgt Ion:228 Resp: 720879
Ion Ratio Lower Upper
228 100
226 27.3 22.2 33.4
229 19.7 15.8 23.6

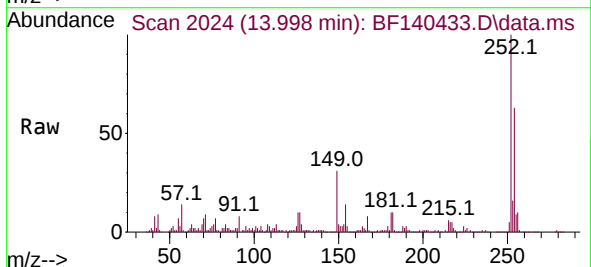
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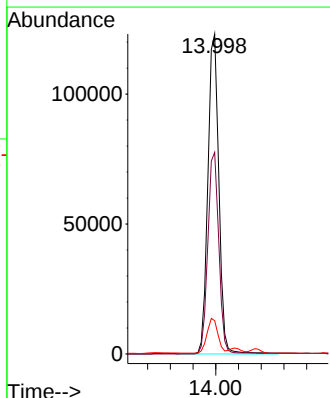
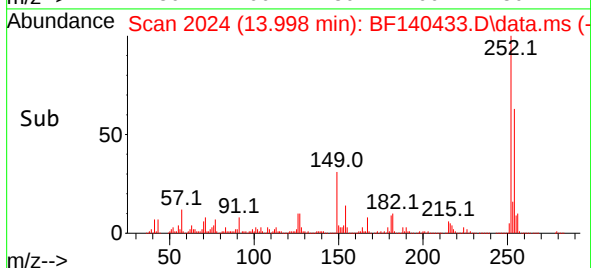
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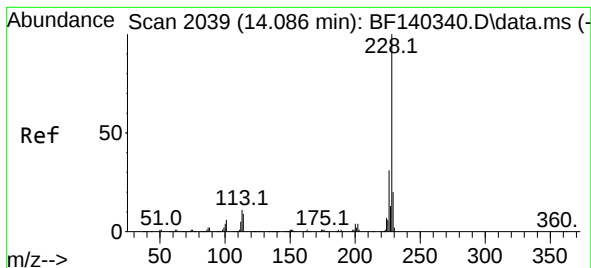


#82
3,3'-Dichlorobenzidine
Concen: 31.612 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42



Tgt Ion:252 Resp: 164659
Ion Ratio Lower Upper
252 100
254 63.0 51.4 77.2
126 10.4 9.4 14.0





#83

Chrysene

Concen: 46.016 ng

RT: 14.074 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

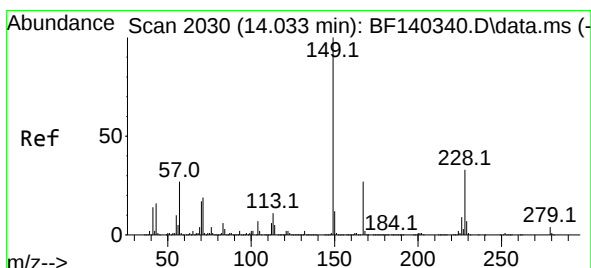
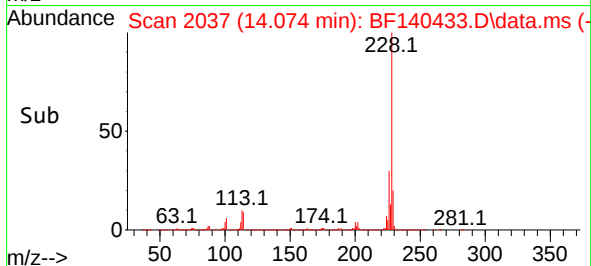
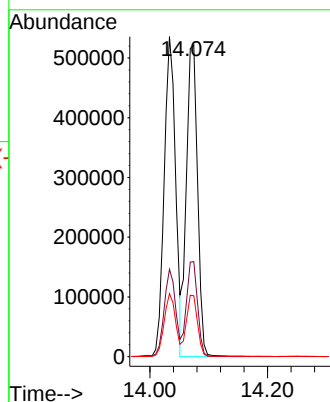
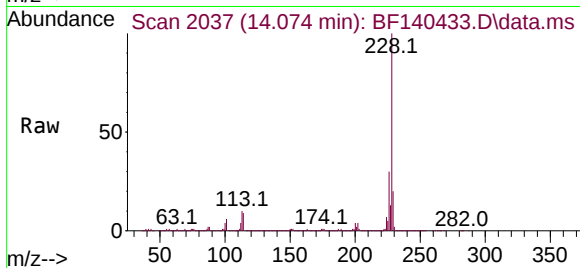
BP-F-24MSD

Tgt Ion:228 Resp: 688044
 Ion Ratio Lower Upper
 228 100
 226 30.5 24.5 36.7
 229 19.6 16.0 24.0

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 Supervised By :mohammad ahmed 11/19/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.857 ng

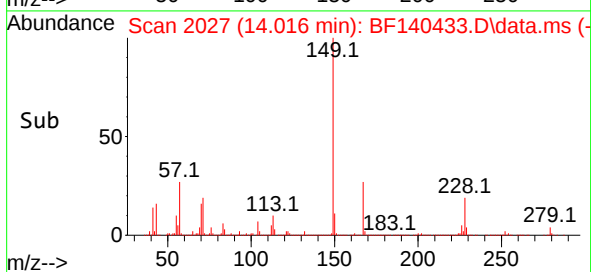
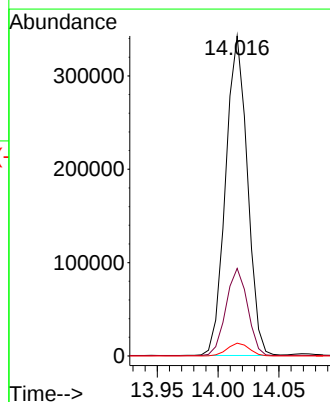
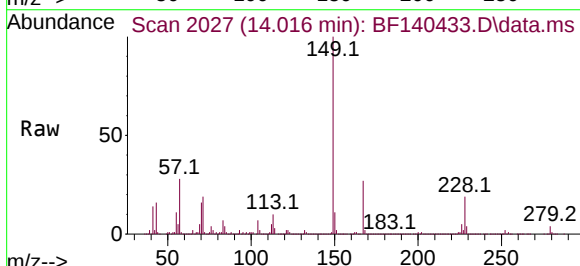
RT: 14.016 min Scan# 2027

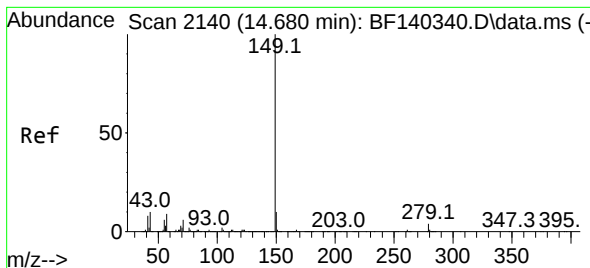
Delta R.T. -0.006 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

Tgt Ion:149 Resp: 424946
 Ion Ratio Lower Upper
 149 100
 167 27.3 21.4 32.0
 279 4.0 3.0 4.6





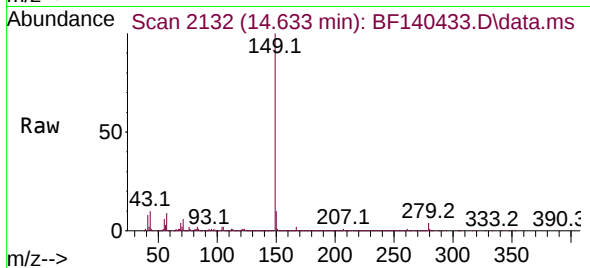
#85
Di-n-octyl phthalate
Concen: 46.691 ng
RT: 14.633 min Scan# 2140
Delta R.T. -0.029 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD



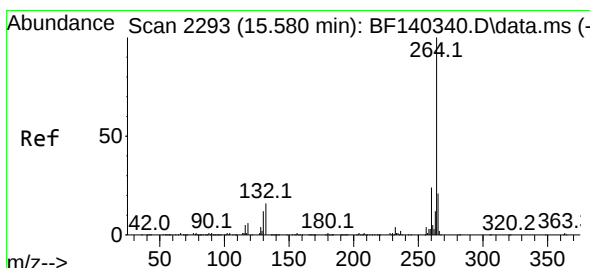
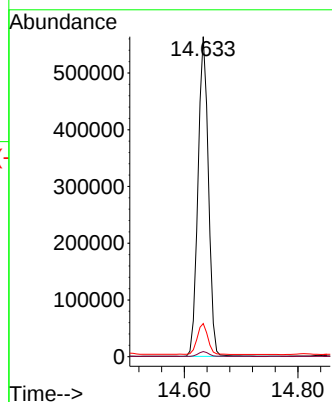
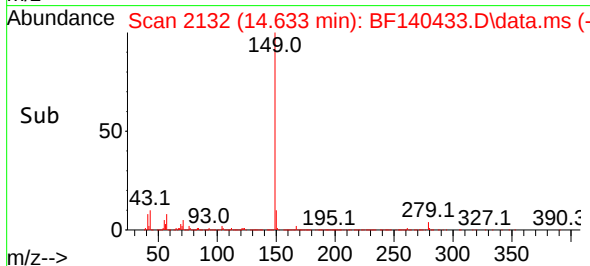
Tgt Ion:149 Resp: 719149
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 9.8 8.0 12.0

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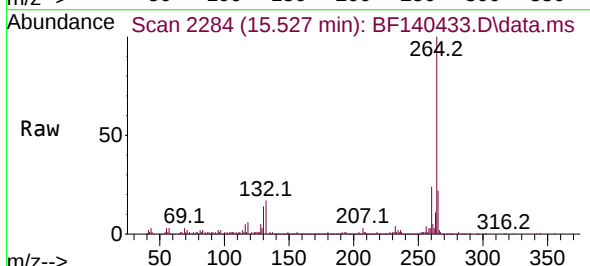
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Reviewed By :Yogesh Patel 11/19/2024

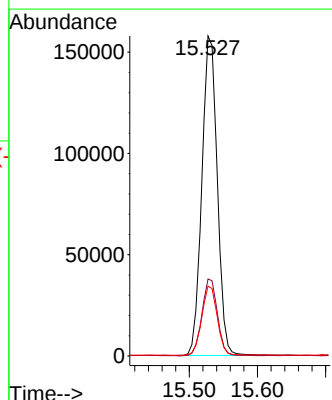
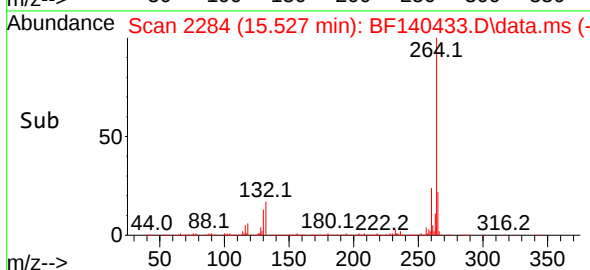
Supervised By :mohammad ahmed 11/19/2024

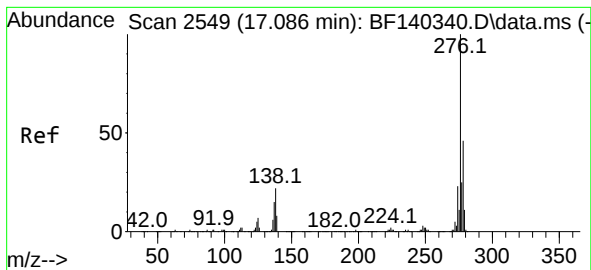


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. -0.029 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42



Tgt Ion:264 Resp: 247757
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.9 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 33.298 ng

RT: 17.027 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD

Tgt Ion:276 Resp: 50961

Ion Ratio Lower Upper

276 100

138 23.0 18.8 28.2

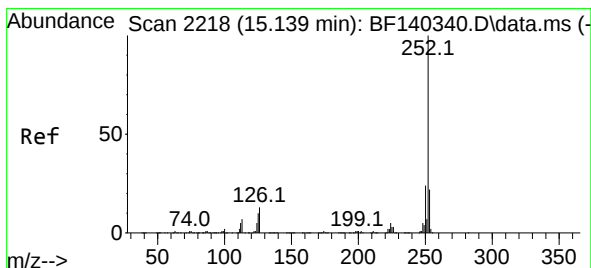
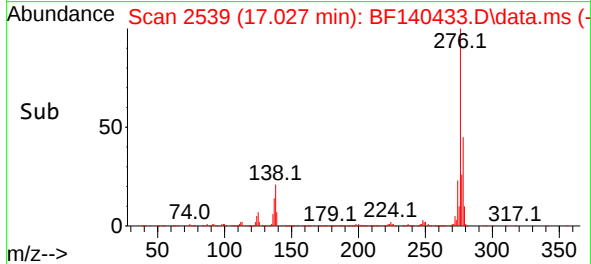
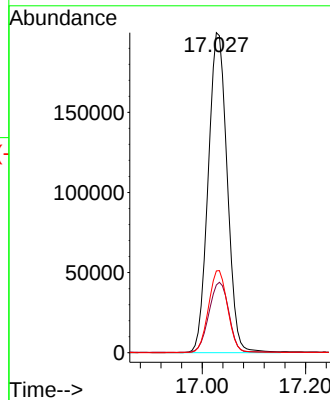
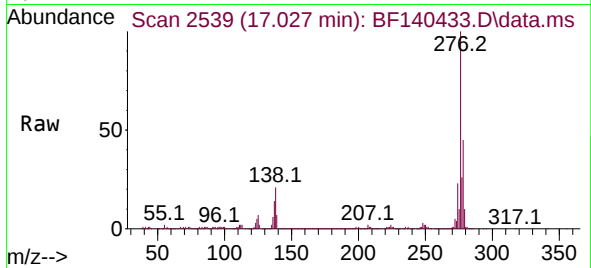
277 25.6 20.2 30.2

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Reviewed By :Yogesh Patel 11/19/2024

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#88

Benzo(b)fluoranthene

Concen: 43.397 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.018 min

Lab File: BF140433.D

Acq: 16 Nov 2024 16:42

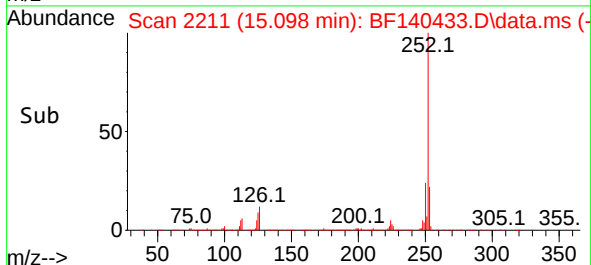
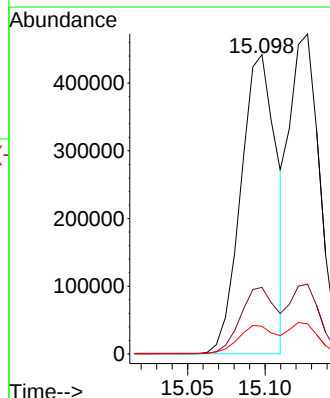
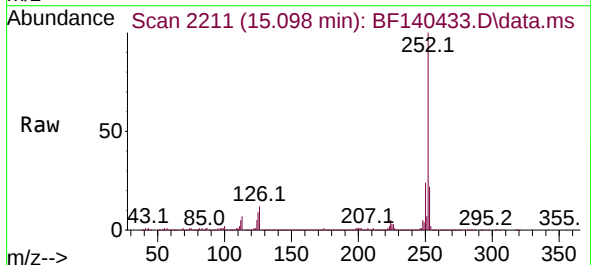
Tgt Ion:252 Resp: 703340

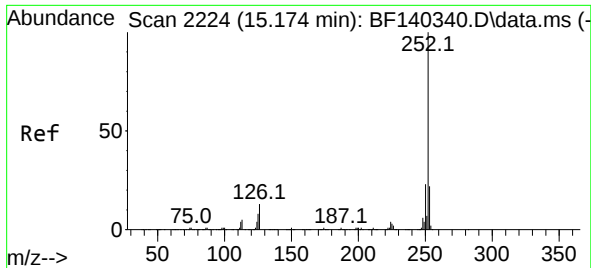
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

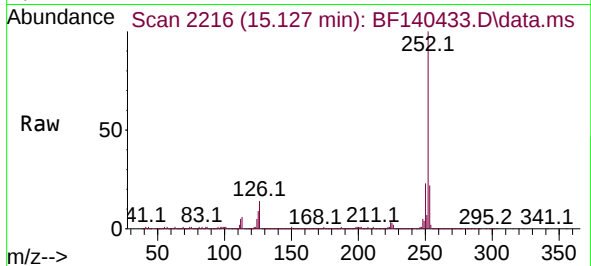
125 9.3 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 48.022 ng
RT: 15.127 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

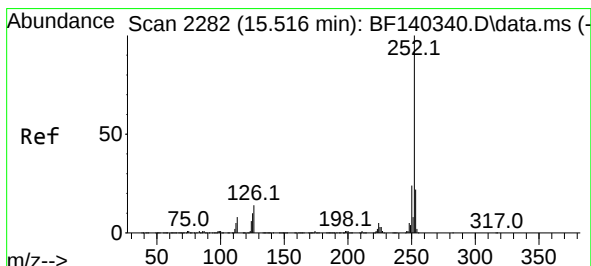
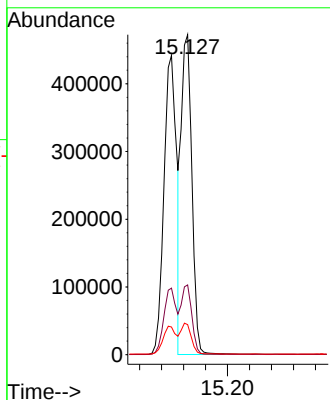
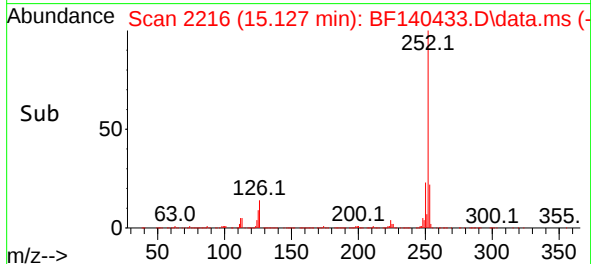
Instrument :
BNA_F
ClientSampleId :
BP-F-24MSD



Tgt Ion:252 Resp: 635814
Ion Ratio Lower Upper
252 100
253 21.8 17.3 25.9
125 9.4 7.4 11.2

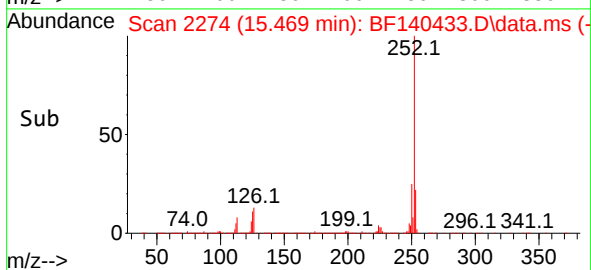
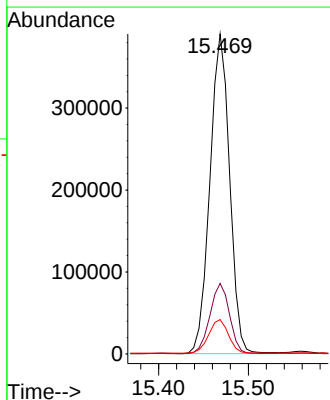
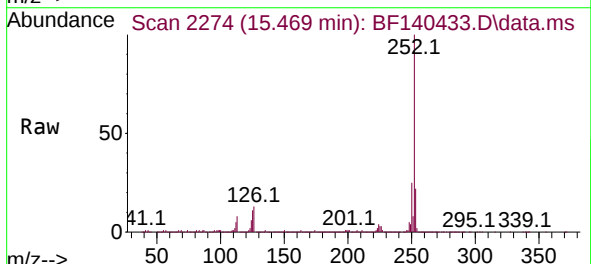
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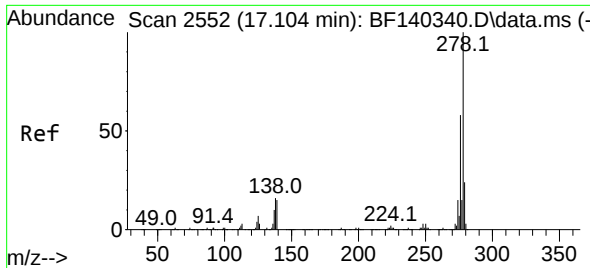
Reviewed By :Yogesh Patel 11/19/2024
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#90
Benzo(a)pyrene
Concen: 47.295 ng
RT: 15.469 min Scan# 2274
Delta R.T. -0.023 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Tgt Ion:252 Resp: 595249
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 10.7 8.4 12.6





#91
Dibenzo(a,h)anthracene
Concen: 33.700 ng
RT: 17.045 min Scan# 2542
Delta R.T. -0.029 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Instrument :

BNA_F

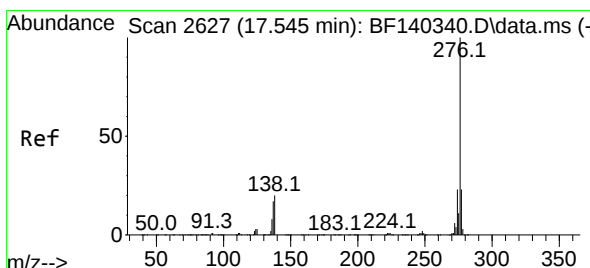
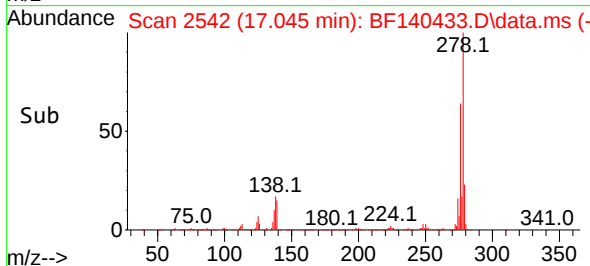
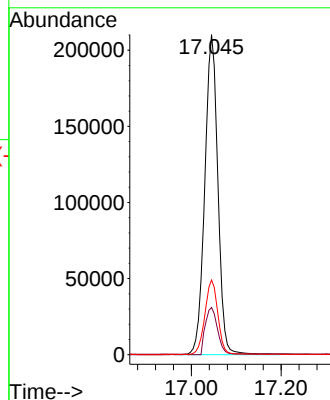
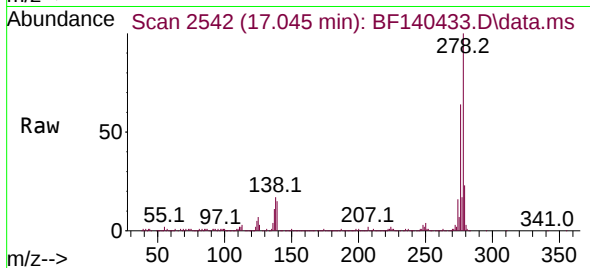
ClientSampleId :

BP-F-24MSD

Tgt Ion:278 Resp: 42632
Ion Ratio Lower Upper
278 100
139 14.8 11.8 17.8
279 23.3 18.9 28.3

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#92
Benzo(g,h,i)perylene
Concen: 28.393 ng
RT: 17.486 min Scan# 2617
Delta R.T. -0.029 min
Lab File: BF140433.D
Acq: 16 Nov 2024 16:42

Tgt Ion:276 Resp: 367210
Ion Ratio Lower Upper
276 100
277 23.3 18.6 28.0
138 20.0 16.0 24.0

