

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF140983.D
 Acq On : 27 Dec 2024 09:11
 Operator : RC/JU
 Sample : PB165785BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB165785BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 27 10:37:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	274747	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1108868	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	597046	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	1008689	20.000	ng	0.00
76) Chrysene-d12	13.986	240	702609	20.000	ng	0.00
86) Perylene-d12	15.439	264	567599	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	2331277	127.904	ng	0.01
7) Phenol-d6	6.451	99	2989885	127.337	ng	0.00
23) Nitrobenzene-d5	7.393	82	1804830	104.133	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	861659	148.523	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	3274669	87.386	ng	0.00
79) Terphenyl-d14	12.939	244	3778801	89.332	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.669	88	337111	40.853	ng	99
3) Pyridine	3.405	79	884364	43.854	ng	100
4) n-Nitrosodimethylamine	3.352	42	472913	46.283	ng	99
6) Aniline	6.493	93	928861	44.356	ng	99
8) 2-Chlorophenol	6.610	128	925347	48.153	ng	98
9) Benzaldehyde	6.375	77	202390	11.797	ng	99
10) Phenol	6.469	94	1170427	48.208	ng	97
11) bis(2-Chloroethyl)ether	6.563	93	882289	45.006	ng	100
12) 1,3-Dichlorobenzene	6.769	146	933742	44.028	ng	100
13) 1,4-Dichlorobenzene	6.845	146	946529	44.273	ng	100
14) 1,2-Dichlorobenzene	6.998	146	913260	45.816	ng	99
15) Benzyl Alcohol	6.969	79	819344	48.560	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.104	45	1421505	47.948	ng	100
17) 2-Methylphenol	7.075	107	762845	47.783	ng	99
18) Hexachloroethane	7.340	117	349442	46.012	ng	96
19) n-Nitroso-di-n-propyla...	7.245	70	668406	46.467	ng	99
20) 3+4-Methylphenols	7.228	107	935952	46.327	ng	92
22) Acetophenone	7.240	105	1229730	45.207	ng	99
24) Nitrobenzene	7.410	77	950229	49.065	ng	98
25) Isophorone	7.651	82	1787139	47.385	ng	99
26) 2-Nitrophenol	7.728	139	394188	49.482	ng	99
27) 2,4-Dimethylphenol	7.757	122	766947	55.641	ng	100
28) bis(2-Chloroethoxy)met...	7.863	93	1089173	45.580	ng	99
29) 2,4-Dichlorophenol	7.963	162	744817	47.644	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	773334	43.706	ng	100
31) Naphthalene	8.134	128	2612061	44.704	ng	100
32) Benzoic acid	7.875	122	506392	45.180	ng	97
33) 4-Chloroaniline	8.175	127	428402	20.267	ng	99
34) Hexachlorobutadiene	8.251	225	452413	43.371	ng	99
35) Caprolactam	8.539	113	250684m	47.170	ng	
36) 4-Chloro-3-methylphenol	8.651	107	810772	46.700	ng	99
37) 2-Methylnaphthalene	8.822	142	1722840	46.090	ng	99
38) 1-Methylnaphthalene	8.922	142	1598257	43.506	ng	100
40) 1,2,4,5-Tetrachloroben...	8.987	216	729914	44.438	ng	98
41) Hexachlorocyclopentadiene	8.975	237	902266	165.760	ng	100
43) 2,4,6-Trichlorophenol	9.092	196	550450	50.352	ng	100

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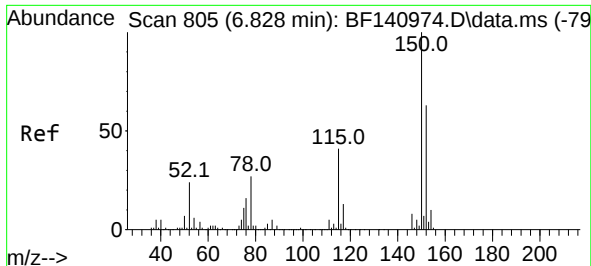
Manual Integrations
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 Supervised By :mohammad ahmed 12/30/2024

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.134	196	508518	45.462	ng	99
46) 1,1'-Biphenyl	9.287	154	2065336	45.178	ng	99
47) 2-Chloronaphthalene	9.310	162	1556159	43.890	ng	99
48) 2-Nitroaniline	9.404	65	467505	50.170	ng	95
49) Acenaphthylene	9.728	152	2444717	47.898	ng	99
50) Dimethylphthalate	9.586	163	1838728	46.821	ng	100
51) 2,6-Dinitrotoluene	9.645	165	386549	48.245	ng	99
52) Acenaphthene	9.898	154	1703583	49.371	ng	100
53) 3-Nitroaniline	9.810	138	265656	31.691	ng	# 97
54) 2,4-Dinitrophenol	9.916	184	304969	90.306	ng	# 1
55) Dibenzofuran	10.069	168	2215928	45.697	ng	100
56) 4-Nitrophenol	9.969	139	725953	108.065	ng	99
57) 2,4-Dinitrotoluene	10.051	165	506429	51.330	ng	99
58) Fluorene	10.410	166	1678446	44.636	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.181	232	465904	50.293	ng	98
60) Diethylphthalate	10.292	149	1778699	45.878	ng	99
61) 4-Chlorophenyl-phenyle...	10.404	204	801949	44.322	ng	99
62) 4-Nitroaniline	10.428	138	415348	47.753	ng	98
63) Azobenzene	10.569	77	1882254	46.254	ng	99
65) 4,6-Dinitro-2-methylph...	10.457	198	214224	52.241	ng	97
66) n-Nitrosodiphenylamine	10.522	169	1538861	48.448	ng	100
67) 4-Bromophenyl-phenylether	10.898	248	523358	47.996	ng	97
68) Hexachlorobenzene	10.957	284	574649	47.794	ng	98
69) Atrazine	11.051	200	528271	59.532	ng	99
70) Pentachlorophenol	11.151	266	711356	95.026	ng	99
71) Phenanthrene	11.375	178	2570987	48.429	ng	100
72) Anthracene	11.428	178	2574703	49.495	ng	100
73) Carbazole	11.580	167	2320550	46.404	ng	100
74) Di-n-butylphthalate	11.916	149	2695936	47.398	ng	100
75) Fluoranthene	12.563	202	2641352	45.875	ng	99
77) Benzidine	12.680	184	799588	53.848	ng	99
78) Pyrene	12.792	202	2743608	44.649	ng	100
80) Butylbenzylphthalate	13.416	149	1083298	48.279	ng	99
81) Benzo(a)anthracene	13.974	228	2212692	45.187	ng	100
82) 3,3'-Dichlorobenzidine	13.939	252	405461	27.560	ng	99
83) Chrysene	14.016	228	1950985	44.197	ng	100
84) Bis(2-ethylhexyl)phtha...	13.974	149	1364261	46.873	ng	100
85) Di-n-octyl phthalate	14.592	149	2068227	49.097	ng	99
87) Indeno(1,2,3-cd)pyrene	16.892	276	1908430	53.368	ng	99
88) Benzo(b)fluoranthene	15.021	252	1741466	43.991	ng	99
89) Benzo(k)fluoranthene	15.051	252	1629204	52.510	ng	99
90) Benzo(a)pyrene	15.380	252	1540646	50.141	ng	99
91) Dibenzo(a,h)anthracene	16.915	278	1530271	52.791	ng	100
92) Benzo(g,h,i)perylene	17.333	276	1454174	48.367	ng	100

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



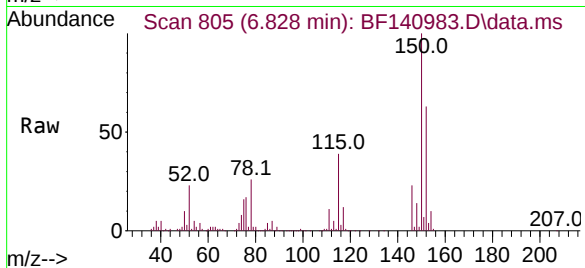
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

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PB165785BS



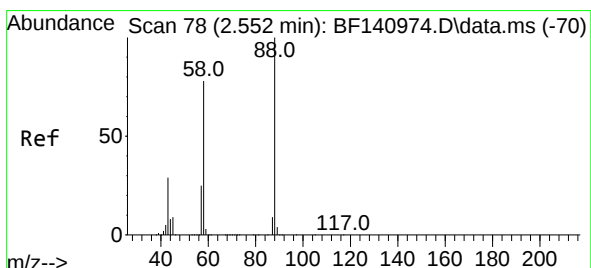
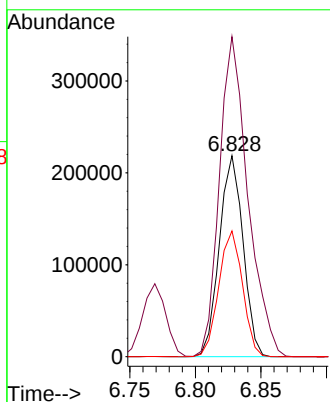
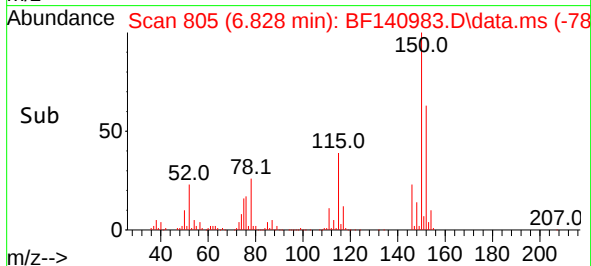
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Ion Ratio Lower Upper
152 100
150 159.2 127.0 190.6
115 62.5 51.7 77.5

Manual Integrations

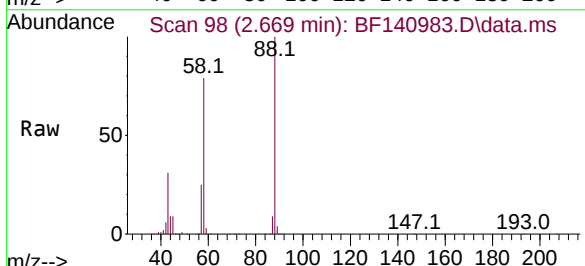
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Reviewed By :Yogesh Patel 12/30/2024

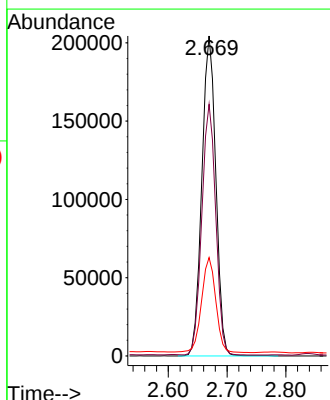
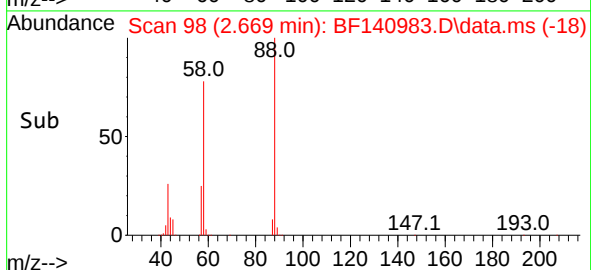
Supervised By :mohammad ahmed 12/30/2024

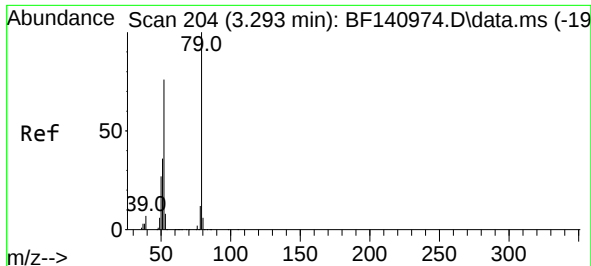


#2
1,4-Dioxane
Concen: 40.853 ng
RT: 2.669 min Scan# 98
Delta R.T. 0.118 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11



Tgt Ion: 88 Resp: 337111
Ion Ratio Lower Upper
88 100
58 78.1 63.0 94.4
43 30.2 23.4 35.2





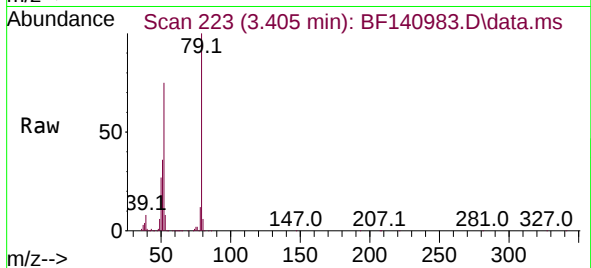
#3
Pyridine
Concen: 43.854 ng
RT: 3.405 min Scan# 214
Delta R.T. 0.112 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

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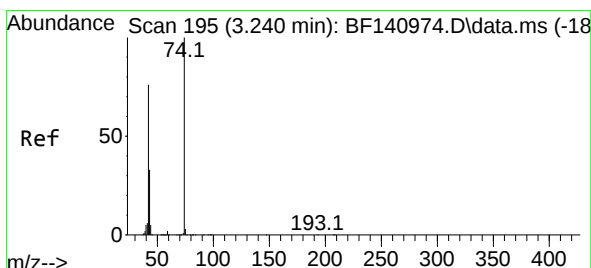
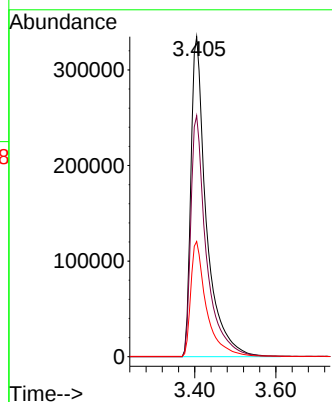
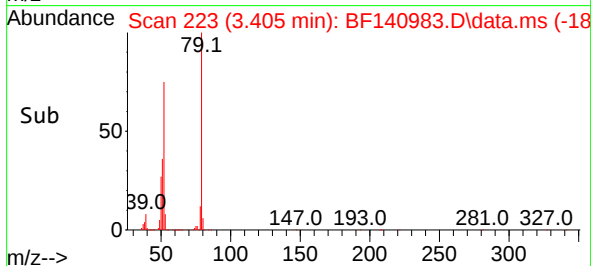
Tgt Ion: 79 Resp: 884364
Ion Ratio Lower Upper
79 100
52 75.3 60.4 90.6
51 36.0 28.8 43.2

Manual Integrations

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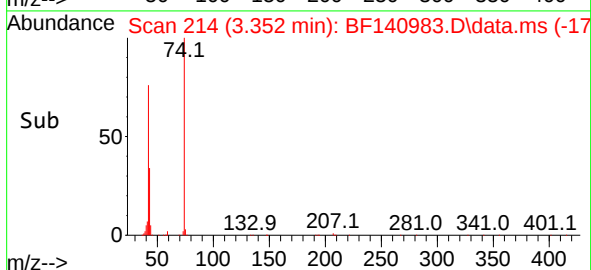
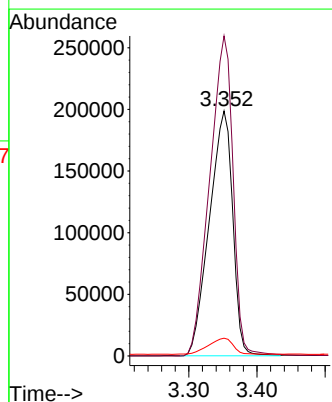
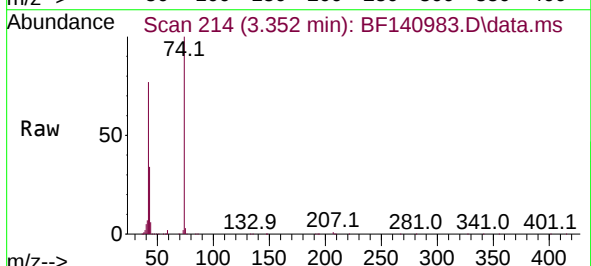
Reviewed By :Yogesh Patel 12/30/2024

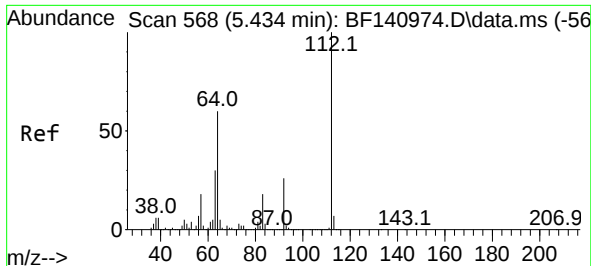
Supervised By :mohammad ahmed 12/30/2024



#4
n-Nitrosodimethylamine
Concen: 46.283 ng
RT: 3.352 min Scan# 214
Delta R.T. 0.112 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion: 42 Resp: 472913
Ion Ratio Lower Upper
42 100
74 130.6 105.8 158.6
44 7.2 6.6 10.0





#5
2-Fluorophenol
Concen: 127.904 ng
RT: 5.446 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS

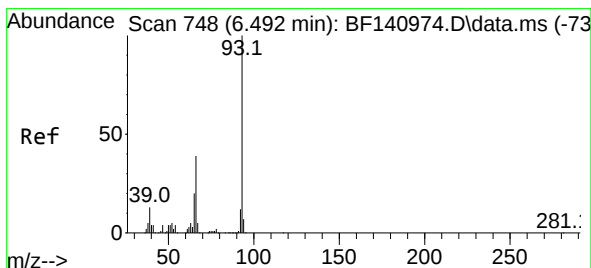
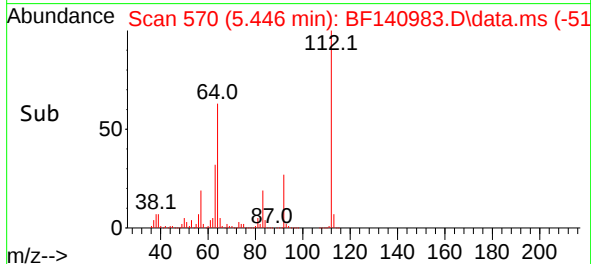
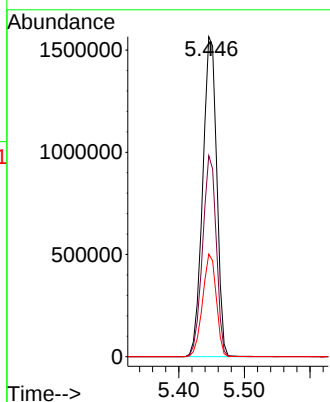
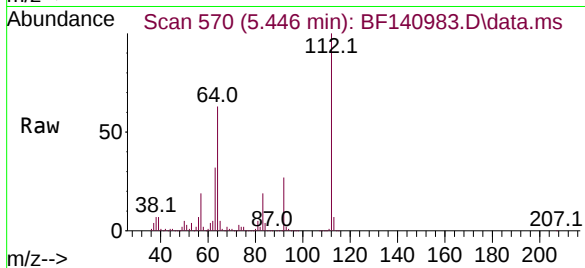
Tgt Ion:112 Resp: 233127
Ion Ratio Lower Upper
112 100
64 62.8 47.7 71.5
63 32.1 24.2 36.2

Manual Integrations

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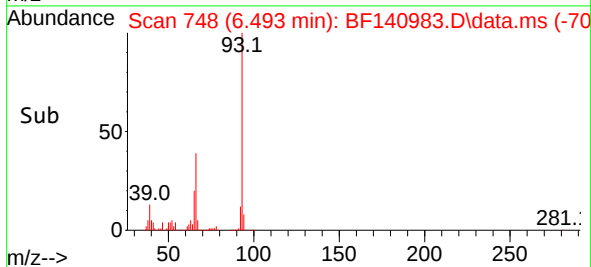
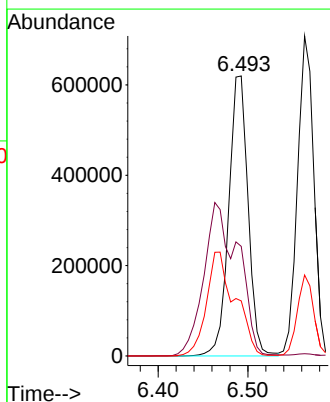
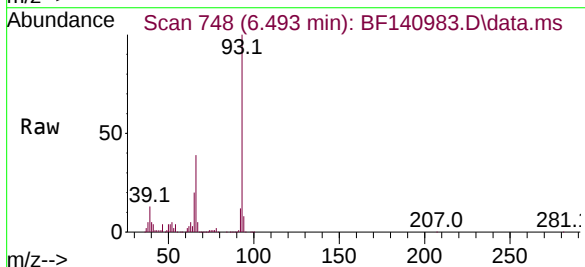
Reviewed By :Yogesh Patel 12/30/2024

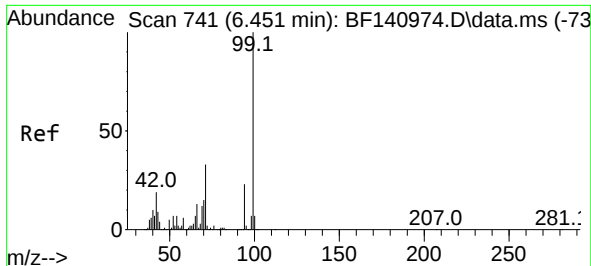
Supervised By :mohammad ahmed 12/30/2024



#6
Aniline
Concen: 44.356 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

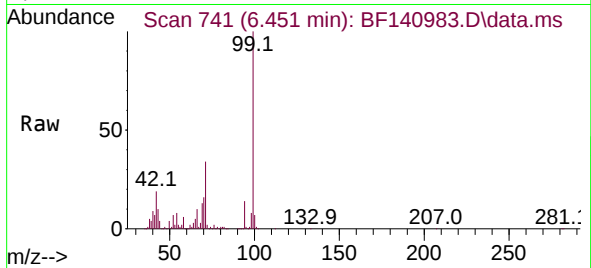
Tgt Ion: 93 Resp: 928861
Ion Ratio Lower Upper
93 100
66 39.2 31.8 47.8
65 19.7 15.4 23.0





#7
Phenol-d6
Concen: 127.337 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :
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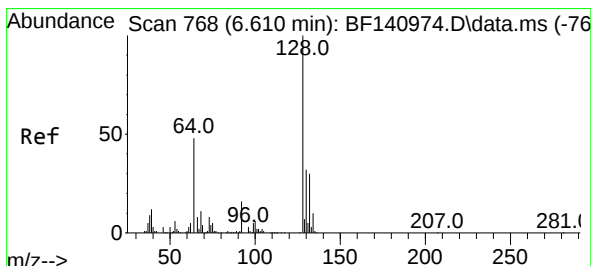
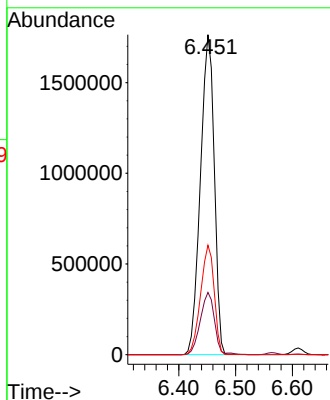
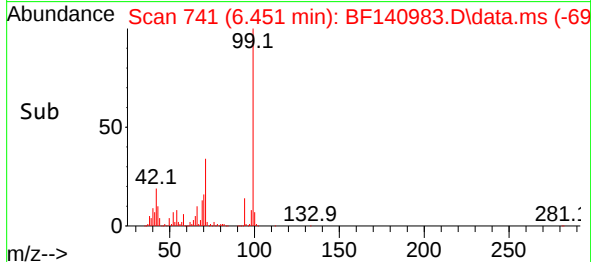


Tgt Ion: 99 Resp: 298988

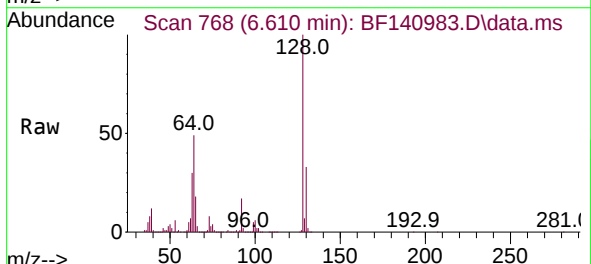
Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.0	22.4
71	34.2	26.2	39.2

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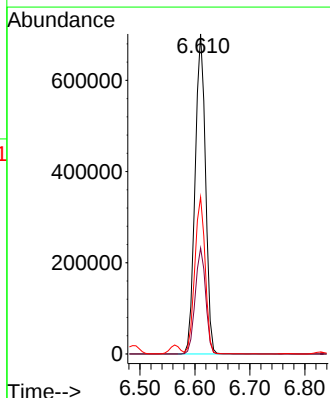
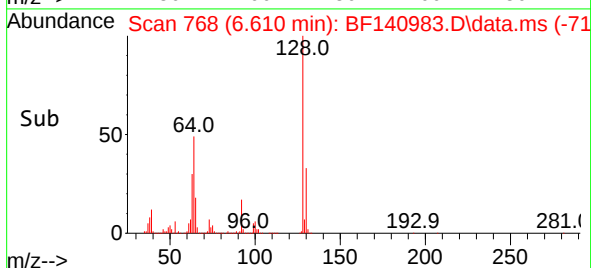


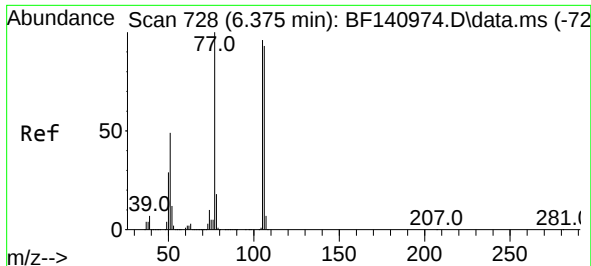
#8
2-Chlorophenol
Concen: 48.153 ng
RT: 6.610 min Scan# 768
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11



Tgt Ion:128 Resp: 925347

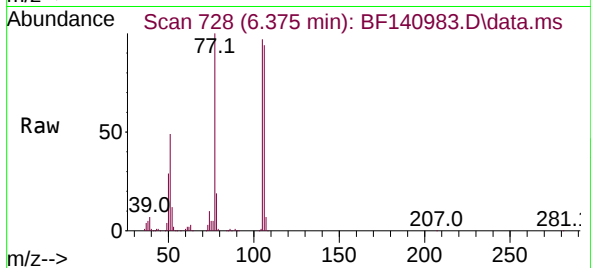
Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.2	52.2
64	49.0	30.3	70.3





#9
Benzaldehyde
Concen: 11.797 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

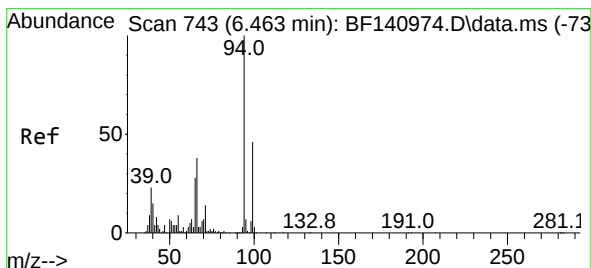
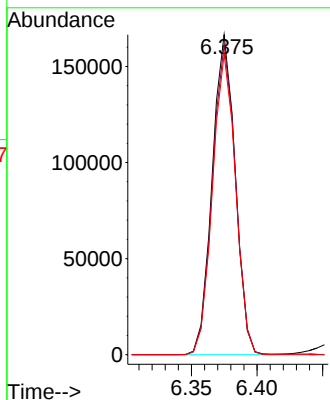
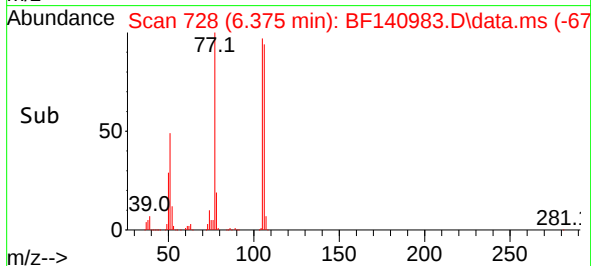
Instrument :
BNA_F
ClientSampleId :
PB165785BS



Tgt Ion: 77 Resp: 202390
Ion Ratio Lower Upper
77 100
105 96.9 76.2 116.2
106 93.9 73.4 113.4

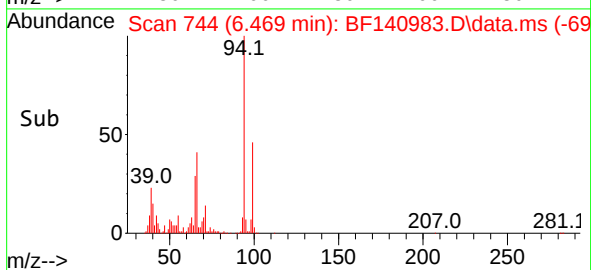
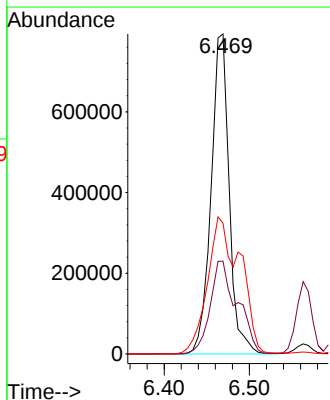
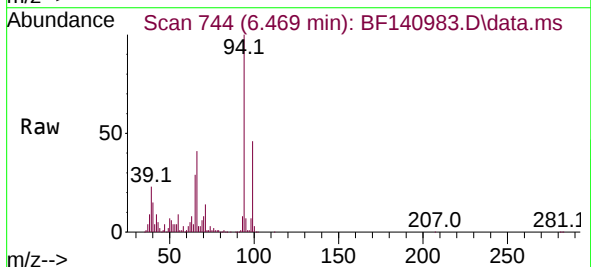
Manual Integrations
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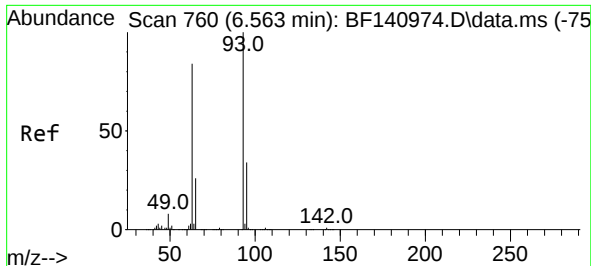
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#10
Phenol
Concen: 48.208 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

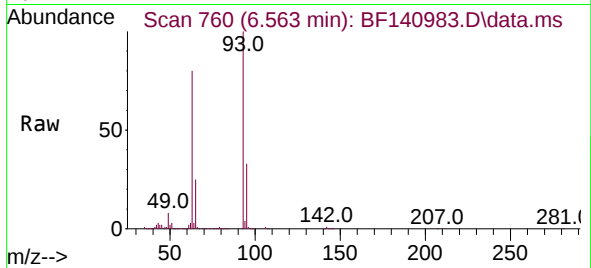
Tgt Ion: 94 Resp: 1170427
Ion Ratio Lower Upper
94 100
65 29.0 8.1 48.1
66 40.8 18.7 58.7





#11
bis(2-Chloroethyl)ether
Concen: 45.006 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

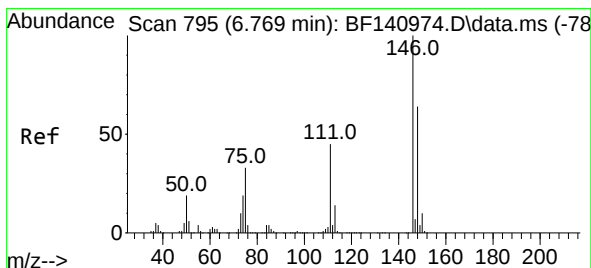
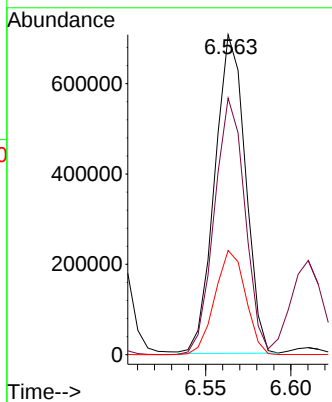
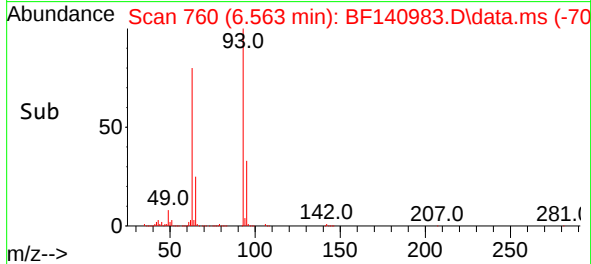
Instrument :
BNA_F
ClientSampleId :
PB165785BS



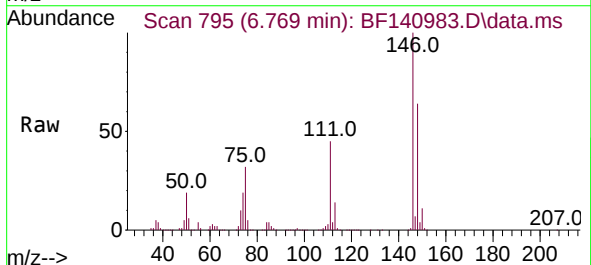
Tgt Ion: 93 Resp: 882289
Ion Ratio Lower Upper
93 100
63 80.2 60.3 100.3
95 32.6 12.2 52.2

Manual Integrations
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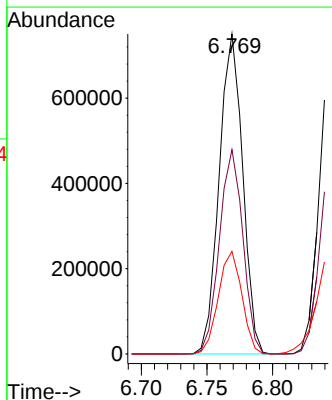
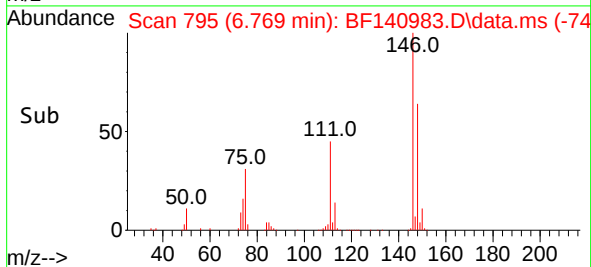
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

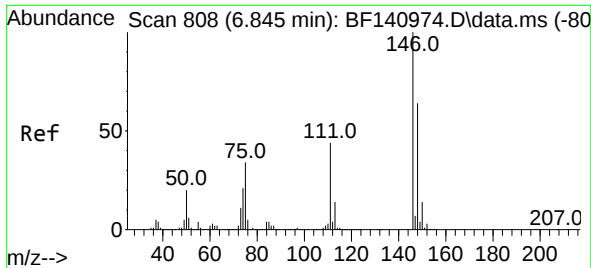


#12
1,3-Dichlorobenzene
Concen: 44.028 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11



Tgt Ion:146 Resp: 933742
Ion Ratio Lower Upper
146 100
148 63.9 51.0 76.4
75 32.0 26.1 39.1





#13

1,4-Dichlorobenzene

Concen: 44.273 ng

RT: 6.845 min Scan# 808

Delta R.T. 0.000 min

Lab File: BF140983.D

Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS

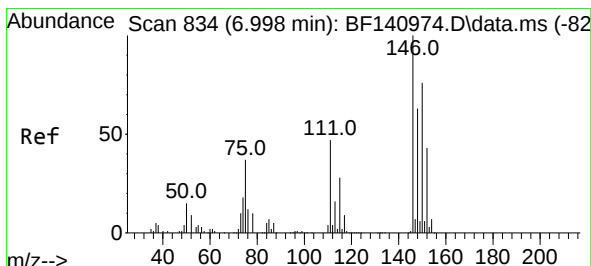
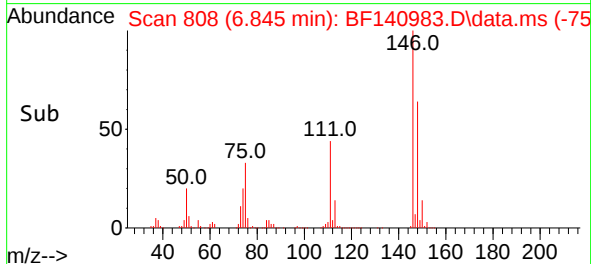
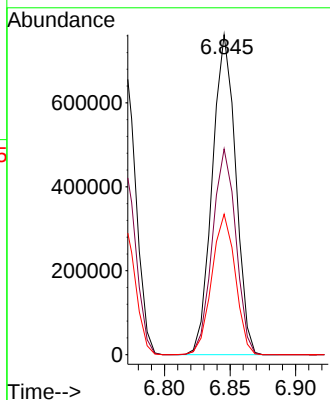
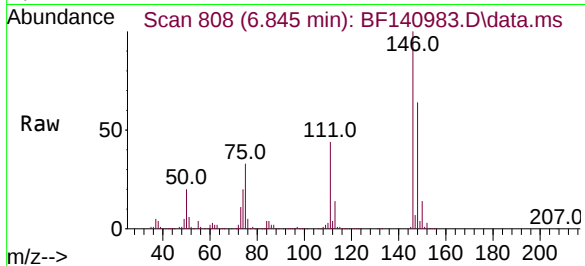
Tgt Ion:146 Resp: 946529
 Ion Ratio Lower Upper
 146 100
 148 64.3 51.3 76.9
 111 43.9 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#14

1,2-Dichlorobenzene

Concen: 45.816 ng

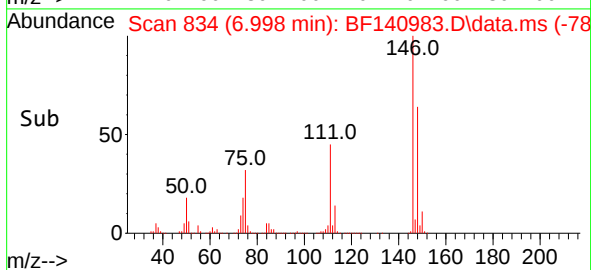
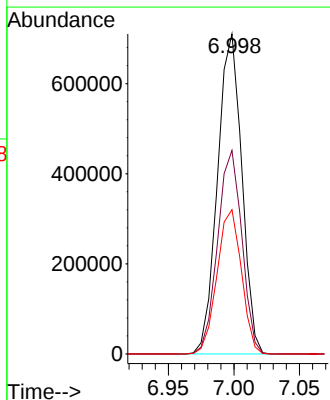
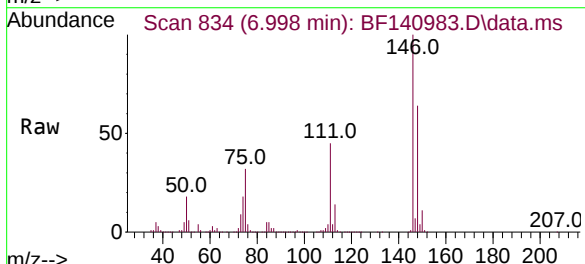
RT: 6.998 min Scan# 834

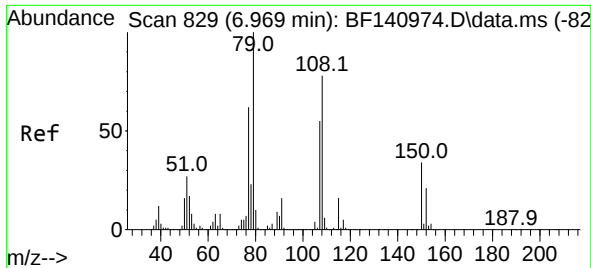
Delta R.T. 0.000 min

Lab File: BF140983.D

Acq: 27 Dec 2024 09:11

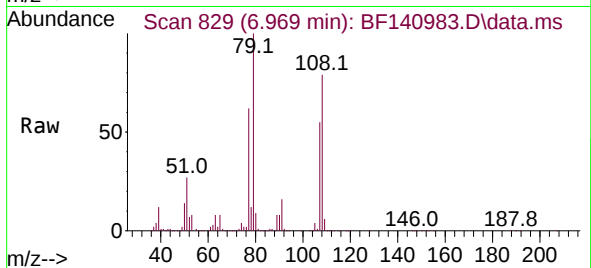
Tgt Ion:146 Resp: 913260
 Ion Ratio Lower Upper
 146 100
 148 63.6 50.6 76.0
 111 45.1 37.3 55.9





#15
Benzyl Alcohol
Concen: 48.560 ng
RT: 6.969 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

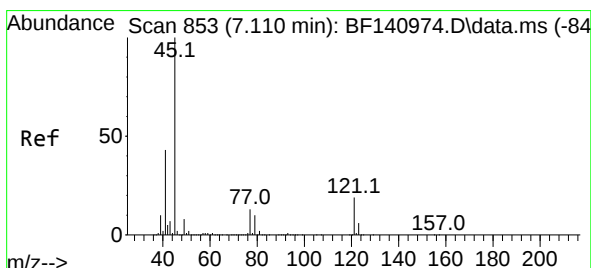
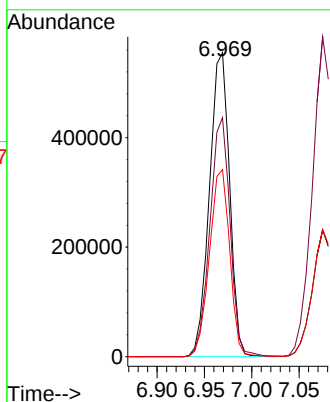
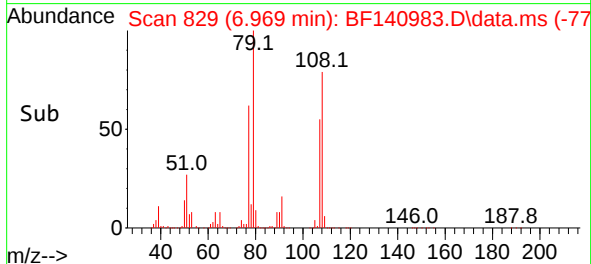
Instrument :
BNA_F
ClientSampleId :
PB165785BS



Tgt Ion: 79 Resp: 819344
Ion Ratio Lower Upper
79 100
108 78.6 62.5 93.7
77 61.6 49.3 73.9

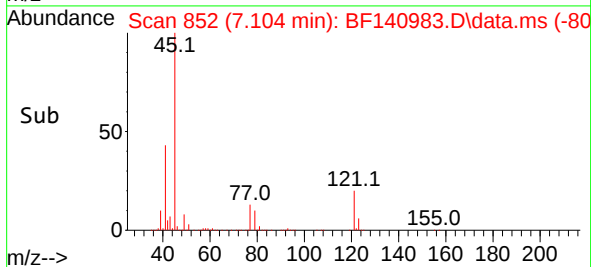
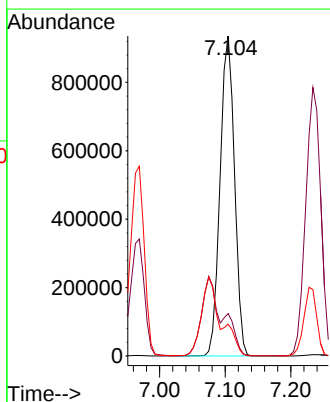
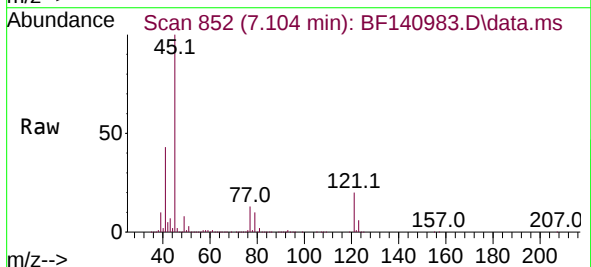
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.948 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion: 45 Resp: 1421505
Ion Ratio Lower Upper
45 100
77 13.2 0.0 33.1
79 9.9 0.0 30.1





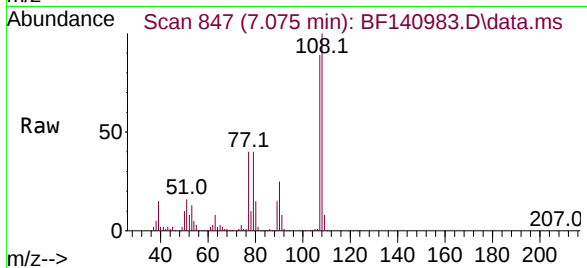
#17
2-Methylphenol
Concen: 47.783 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS



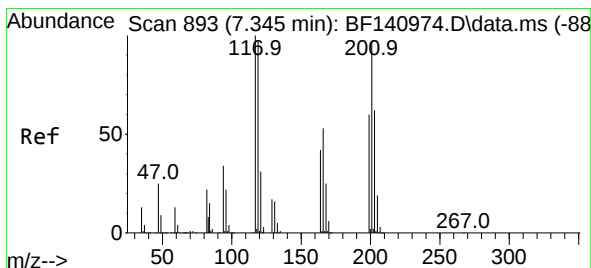
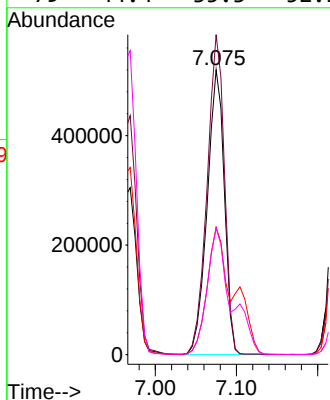
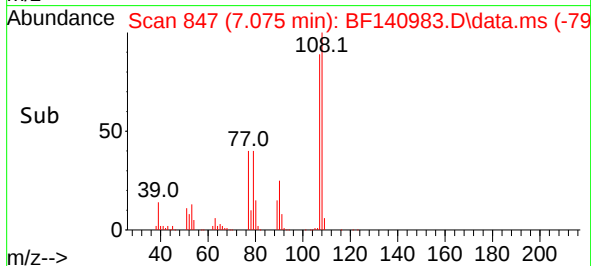
Tgt Ion:107 Resp: 762845
Ion Ratio Lower Upper
107 100
108 112.3 90.6 136.0
77 44.7 35.3 52.9
79 44.4 35.3 52.9

Manual Integrations

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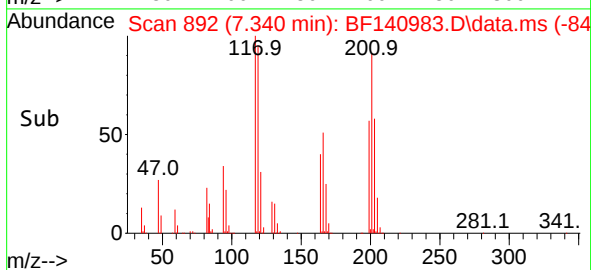
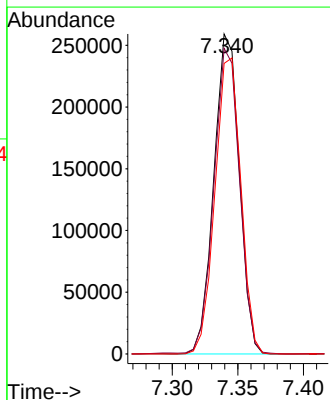
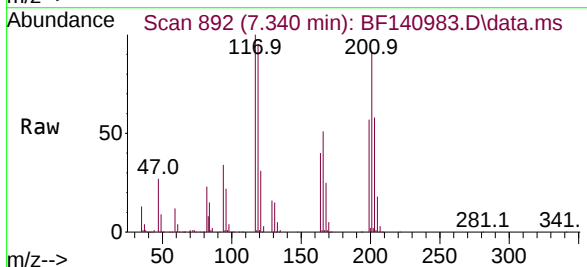
Reviewed By :Yogesh Patel 12/30/2024

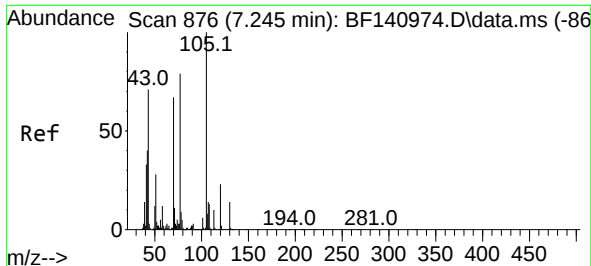
Supervised By :mohammad ahmed 12/30/2024



#18
Hexachloroethane
Concen: 46.012 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion:117 Resp: 349442
Ion Ratio Lower Upper
117 100
119 95.5 77.5 116.3
201 90.8 77.4 116.2





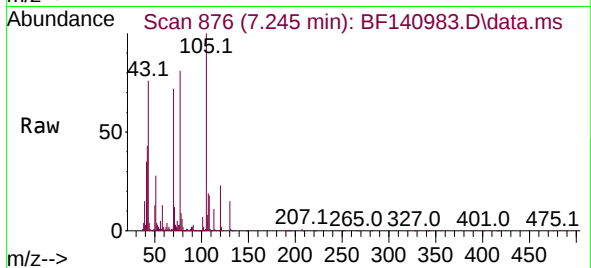
#19
n-Nitroso-di-n-propylamine
Concen: 46.467 ng
RT: 7.245 min Scan# 876
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS



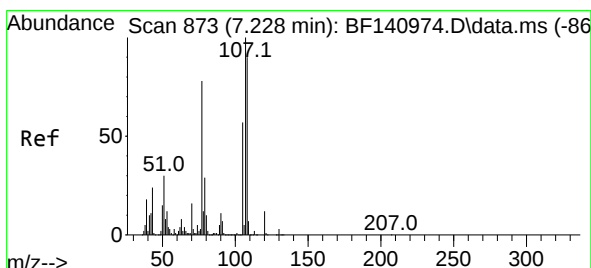
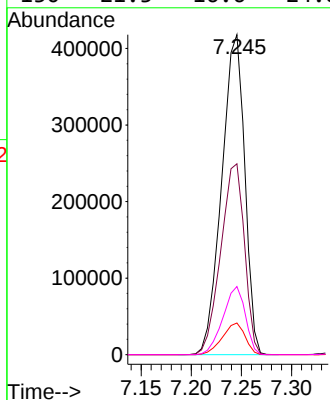
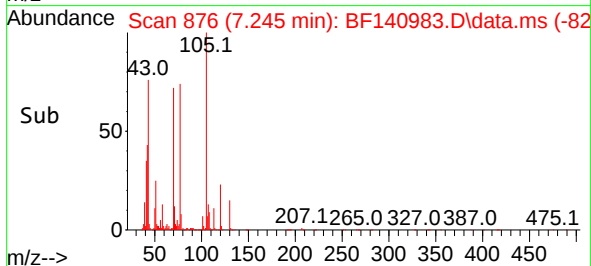
Tgt Ion: 70 Resp: 668400
Ion Ratio Lower Upper
70 100
42 59.6 48.1 72.1
101 9.9 7.6 11.4
130 21.3 16.6 24.8

Manual Integrations

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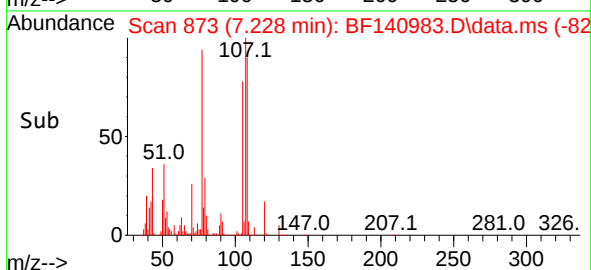
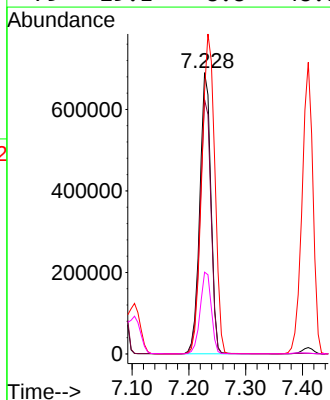
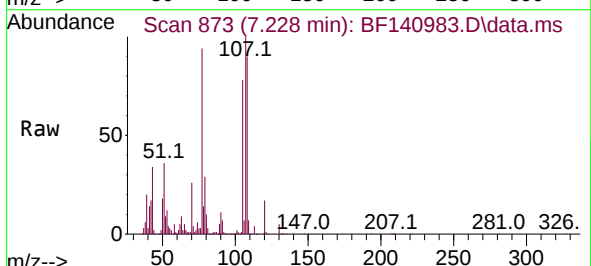
Reviewed By :Yogesh Patel 12/30/2024

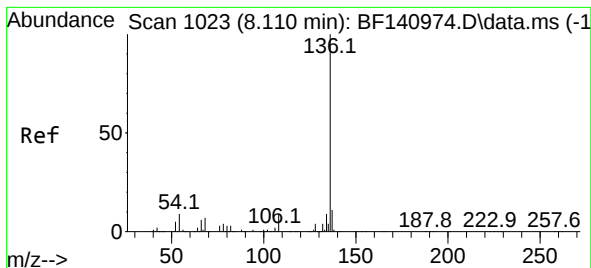
Supervised By :mohammad ahmed 12/30/2024



#20
3+4-Methylphenols
Concen: 46.327 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion:107 Resp: 935952
Ion Ratio Lower Upper
107 100
108 90.3 69.6 109.6
77 93.6 57.6 97.6
79 29.1 8.8 48.8





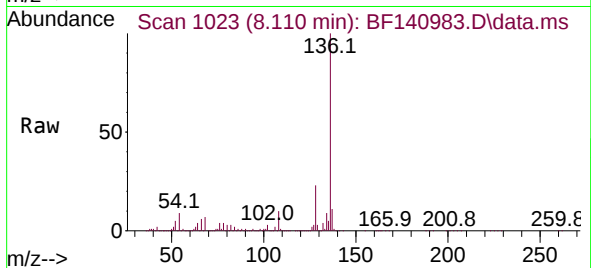
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS



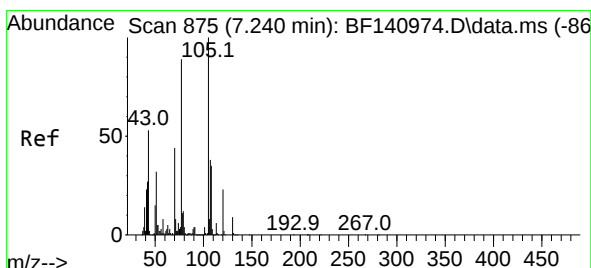
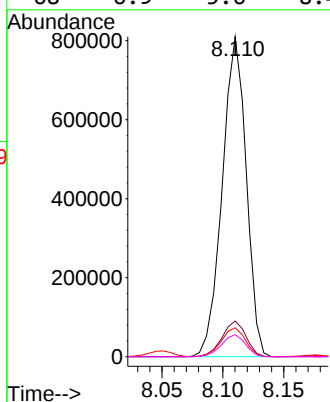
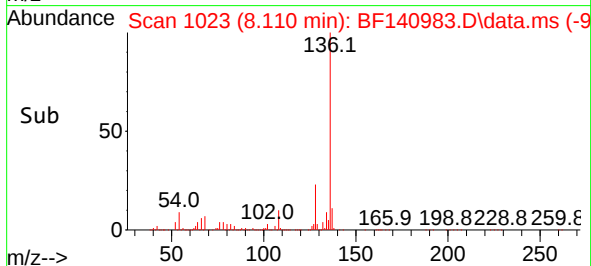
Tgt Ion:136 Resp: 110886
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 9.1 7.6 11.4
68 6.9 5.6 8.4

Manual Integrations

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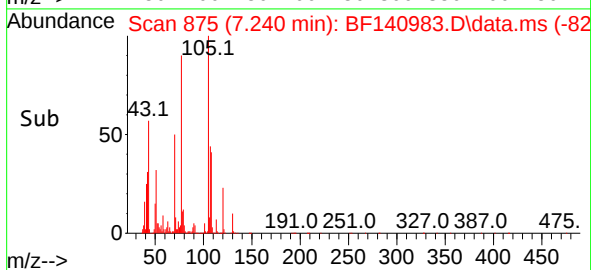
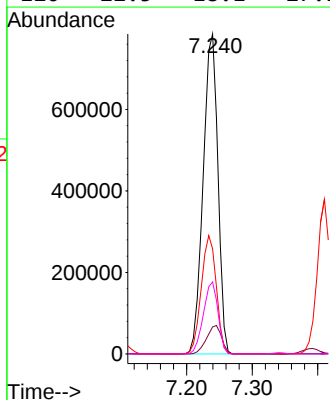
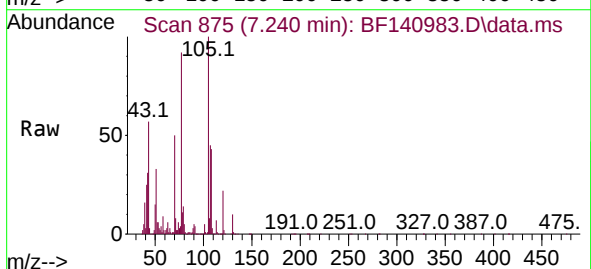
Reviewed By :Yogesh Patel 12/30/2024

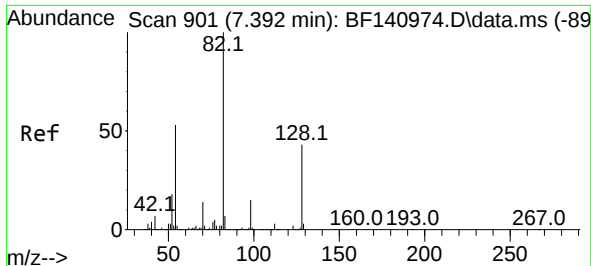
Supervised By :mohammad ahmed 12/30/2024



#22
Acetophenone
Concen: 45.207 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion:105 Resp: 1229730
Ion Ratio Lower Upper
105 100
71 8.4 6.1 9.1
51 32.9 25.8 38.6
120 22.5 18.1 27.1





#23

Nitrobenzene-d5

Concen: 104.133 ng

RT: 7.393 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF140983.D

Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS

Tgt Ion: 82 Resp: 1804830

Ion Ratio Lower Upper

82 100

128 44.0 34.4 51.6

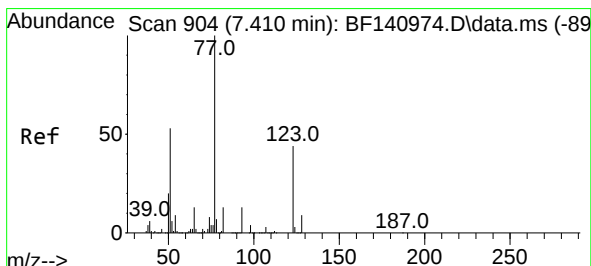
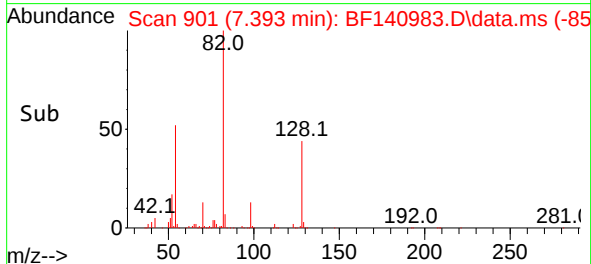
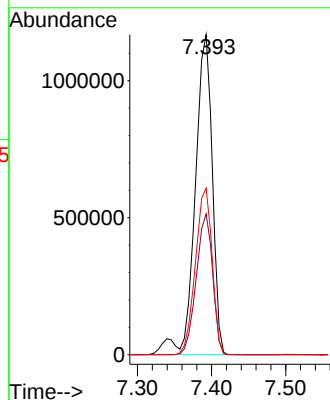
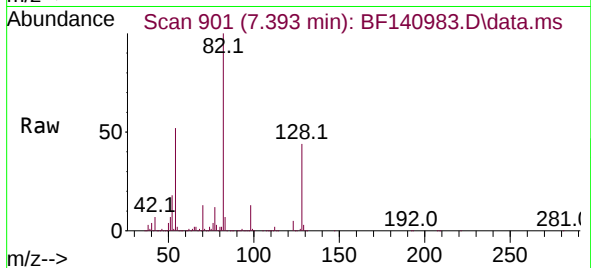
54 52.0 42.4 63.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#24

Nitrobenzene

Concen: 49.065 ng

RT: 7.410 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF140983.D

Acq: 27 Dec 2024 09:11

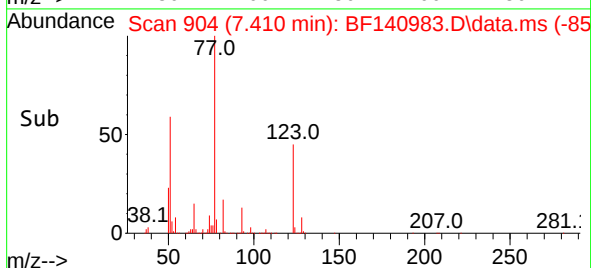
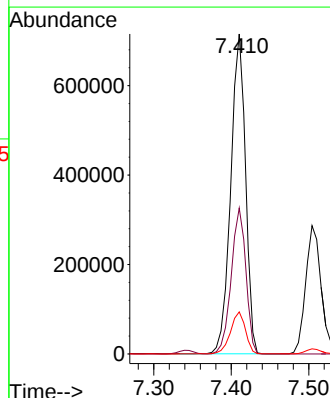
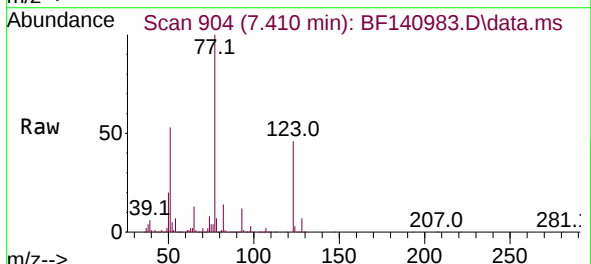
Tgt Ion: 77 Resp: 950229

Ion Ratio Lower Upper

77 100

123 45.6 35.4 53.2

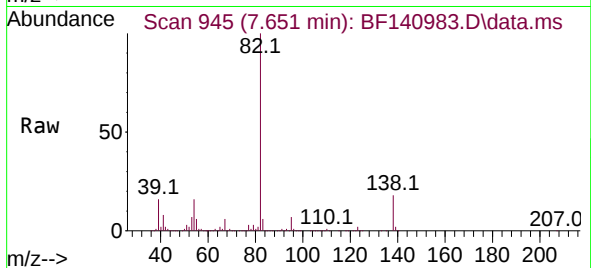
65 13.1 10.7 16.1





#25
Isophorone
Concen: 47.385 ng
RT: 7.651 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

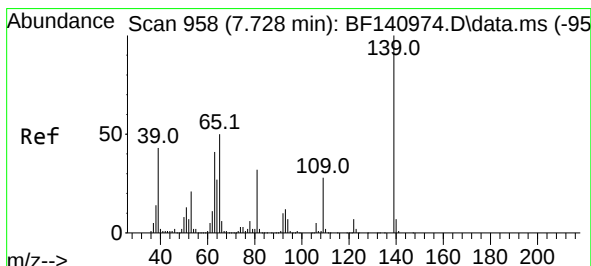
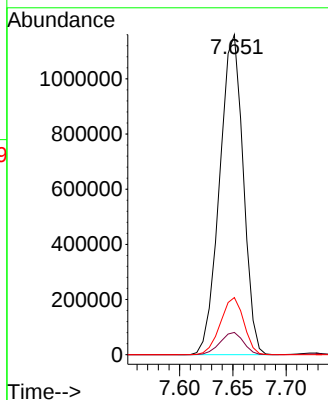
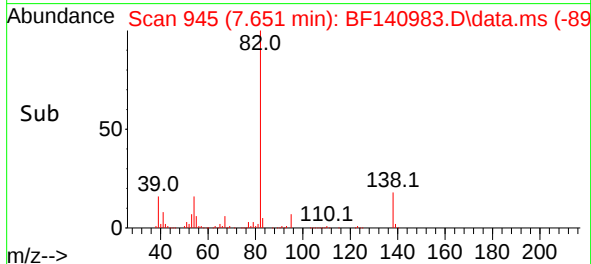
Instrument :
BNA_F
ClientSampleId :
PB165785BS



Tgt Ion: 82 Resp: 1787139
Ion Ratio Lower Upper
82 100
95 6.9 5.6 8.4
138 17.9 14.6 21.8

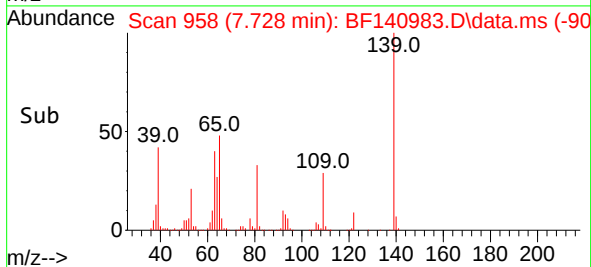
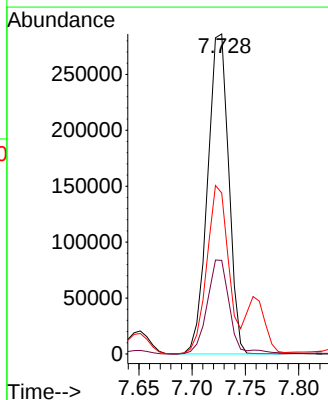
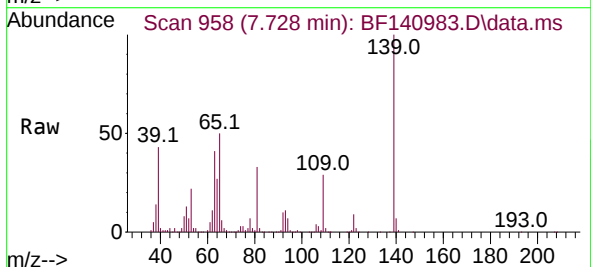
Manual Integrations
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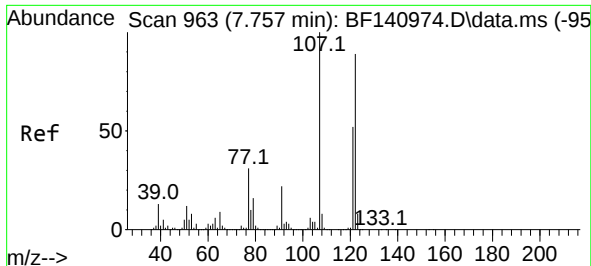
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#26
2-Nitrophenol
Concen: 49.482 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion:139 Resp: 394188
Ion Ratio Lower Upper
139 100
109 29.2 22.2 33.4
65 50.3 40.2 60.4





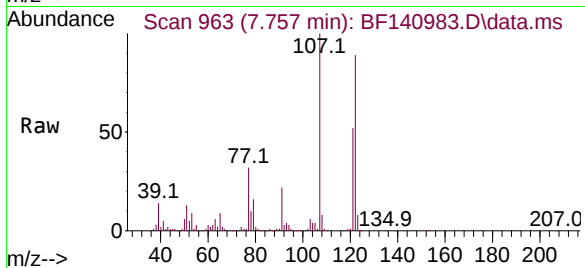
#27
2,4-Dimethylphenol
Concen: 55.641 ng
RT: 7.757 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS



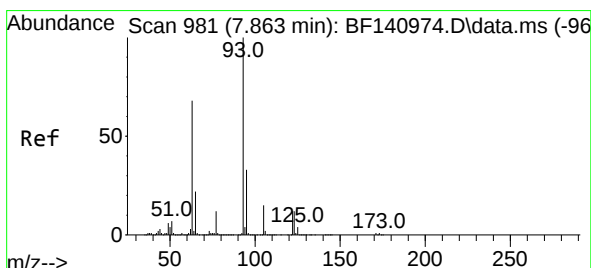
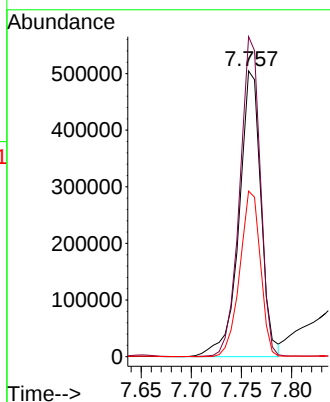
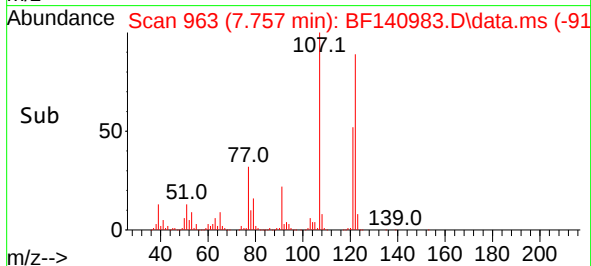
Tgt Ion:122 Resp: 76694
Ion Ratio Lower Upper
122 100
107 112.0 89.4 134.2
121 58.0 46.7 70.1

Manual Integrations

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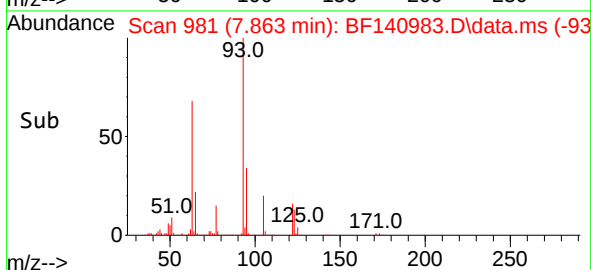
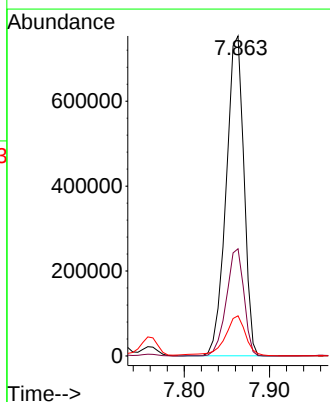
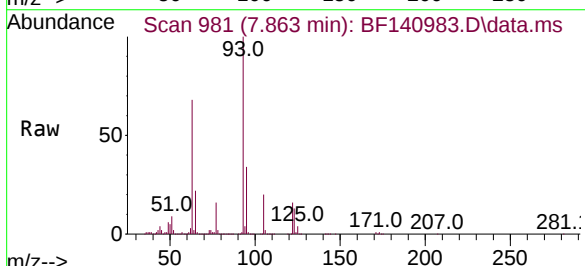
Reviewed By :Yogesh Patel 12/30/2024

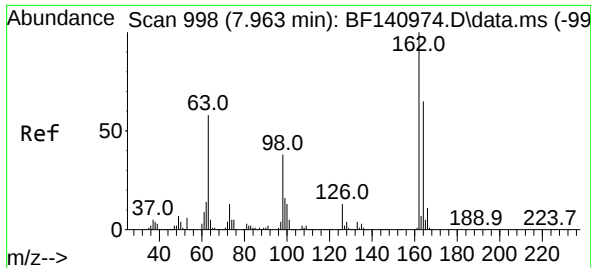
Supervised By :mohammad ahmed 12/30/2024



#28
bis(2-Chloroethoxy)methane
Concen: 45.580 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion: 93 Resp: 1089173
Ion Ratio Lower Upper
93 100
95 33.5 26.2 39.4
123 12.5 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 47.644 ng

RT: 7.963 min Scan# 998

Delta R.T. 0.000 min

Lab File: BF140983.D

Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS

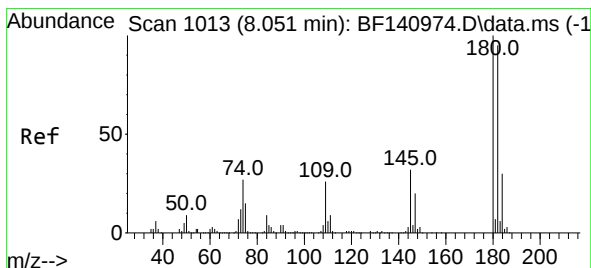
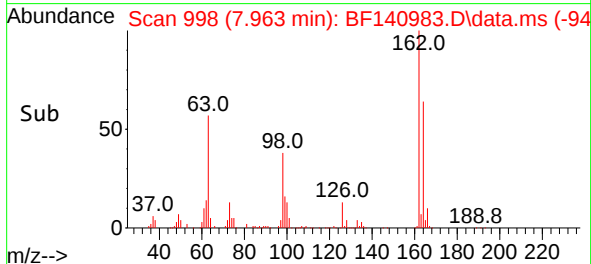
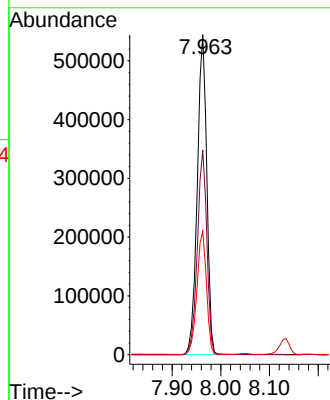
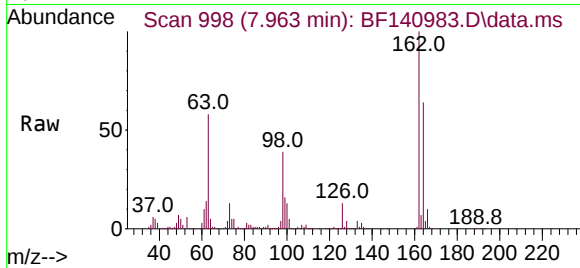
Tgt Ion:	162	Resp:	74481
Ion Ratio	Lower	Upper	
162	100		
164	64.0	44.8	84.8
98	38.6	18.6	58.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#30

1,2,4-Trichlorobenzene

Concen: 43.706 ng

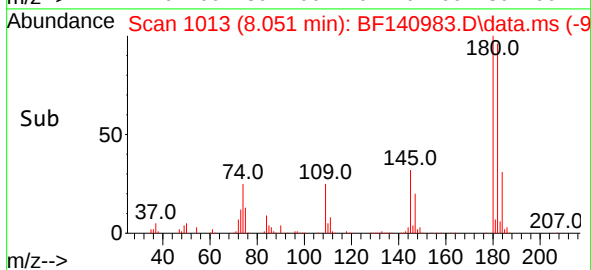
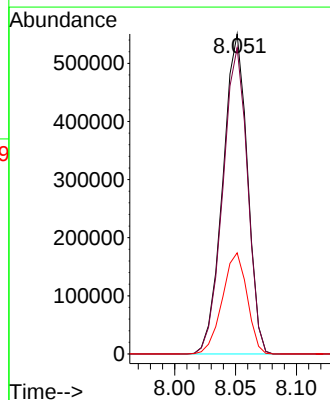
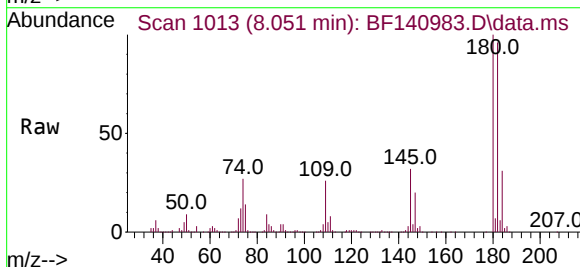
RT: 8.051 min Scan# 1013

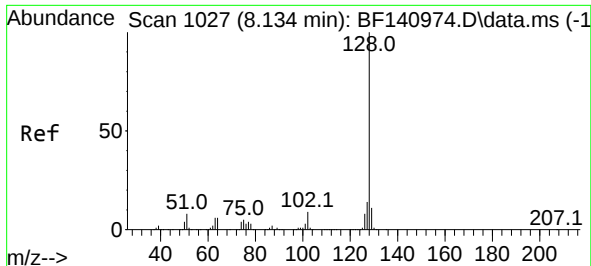
Delta R.T. 0.000 min

Lab File: BF140983.D

Acq: 27 Dec 2024 09:11

Tgt Ion:	180	Resp:	773334
Ion Ratio	Lower	Upper	
180	100		
182	95.8	76.2	114.4
145	31.6	25.4	38.2





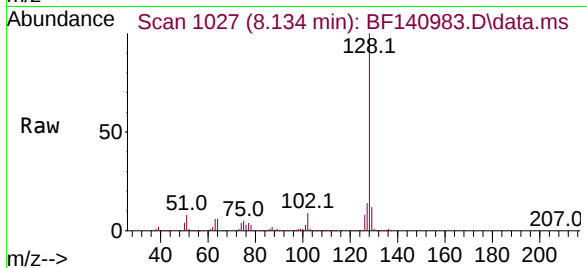
#31
Naphthalene
Concen: 44.704 ng
RT: 8.134 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS



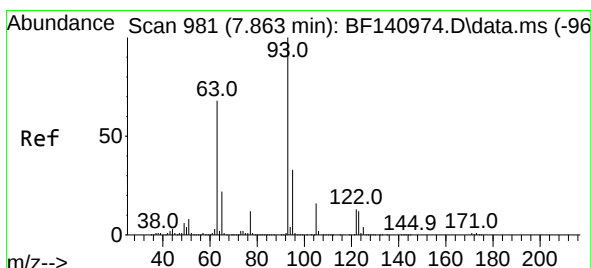
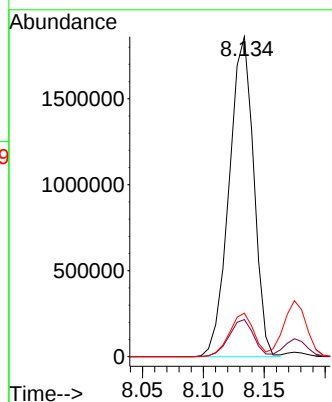
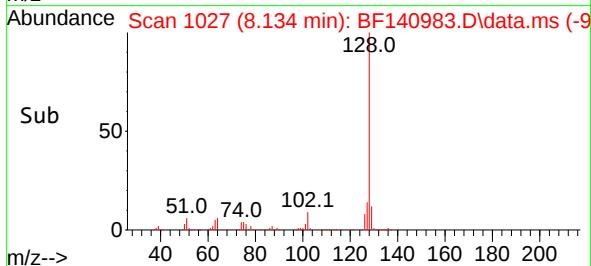
Tgt Ion:128 Resp: 261206
Ion Ratio Lower Upper
128 100
129 11.6 9.2 13.8
127 13.6 11.0 16.4

Manual Integrations

APPROVED

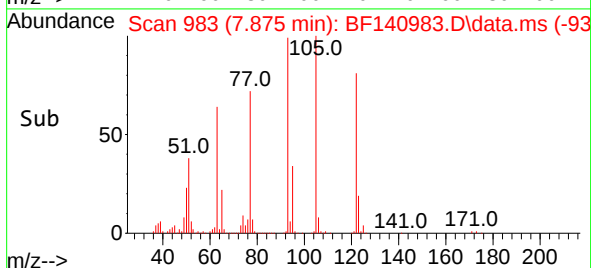
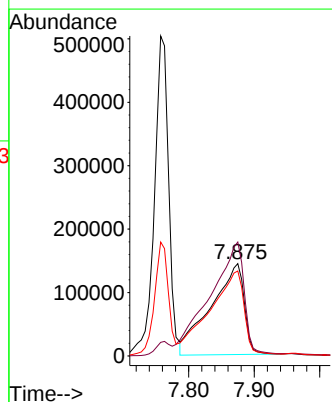
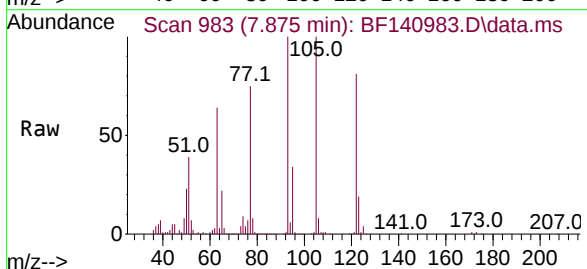
Reviewed By :Yogesh Patel 12/30/2024

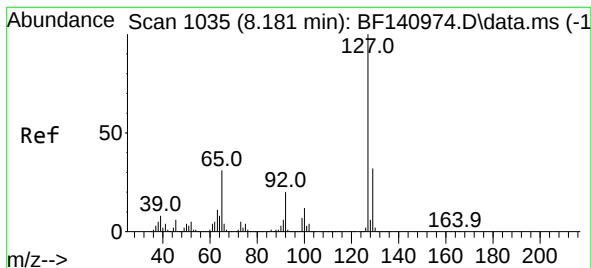
Supervised By :mohammad ahmed 12/30/2024



#32
Benzoic acid
Concen: 45.180 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.012 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion:122 Resp: 506392
Ion Ratio Lower Upper
122 100
105 123.5 105.4 145.4
77 92.1 76.4 116.4





#33
4-Chloroaniline
Concen: 20.267 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

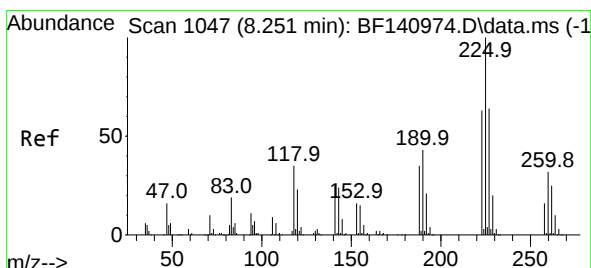
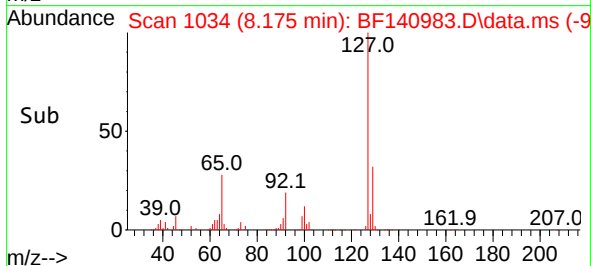
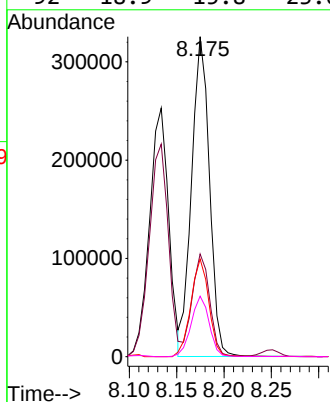
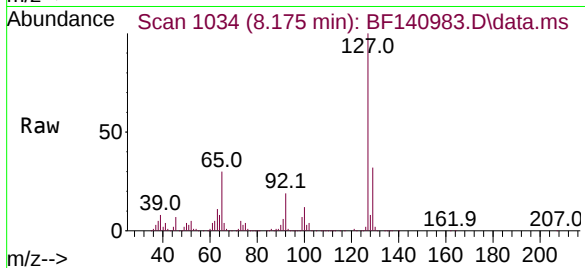
ClientSampleId :

PB165785BS

Tgt Ion:127 Resp: 428402
Ion Ratio Lower Upper
127 100
129 32.1 26.1 39.1
65 30.5 24.6 37.0
92 18.9 15.8 23.6

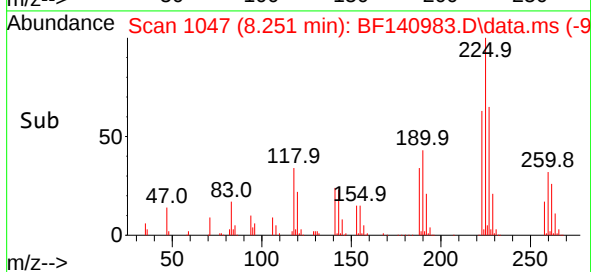
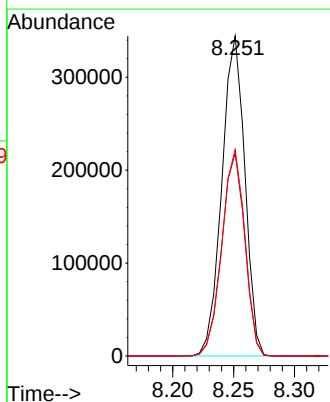
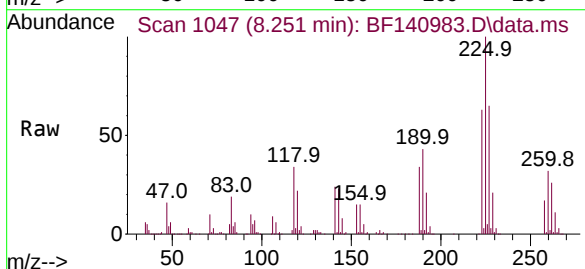
Manual Integrations
APPROVED

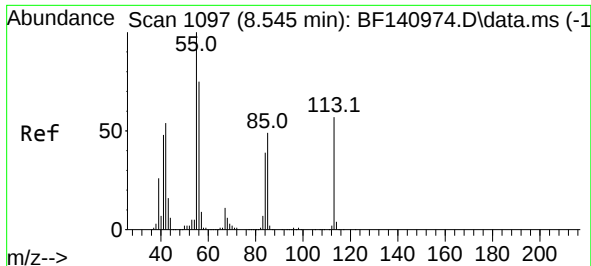
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#34
Hexachlorobutadiene
Concen: 43.371 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

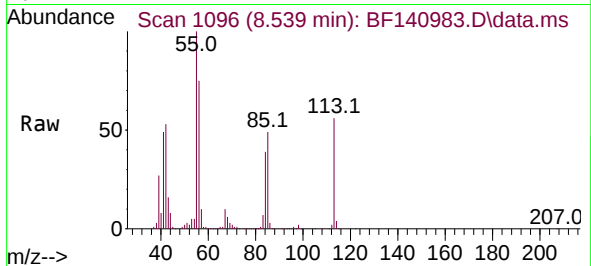
Tgt Ion:225 Resp: 452413
Ion Ratio Lower Upper
225 100
223 63.3 50.3 75.5
227 64.5 50.8 76.2





#35
Caprolactam
Concen: 47.170 ng m
RT: 8.539 min Scan# 1096
Delta R.T. -0.006 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

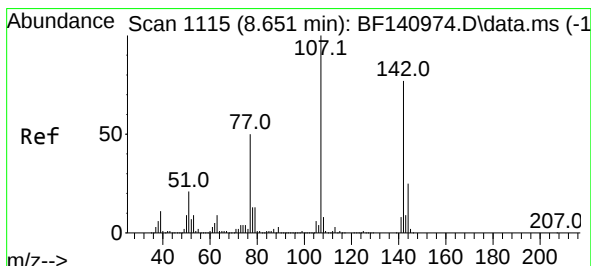
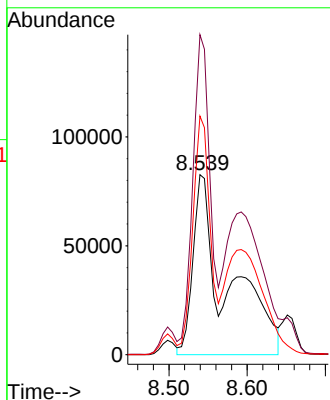
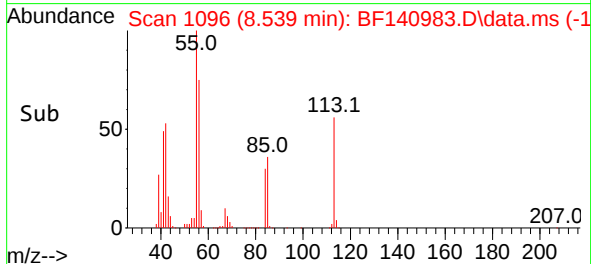
Instrument :
BNA_F
ClientSampleId :
PB165785BS



Tgt Ion:113 Resp: 250684
Ion Ratio Lower Upper
113 100
55 177.8 156.6 196.6
56 132.6 111.7 151.7

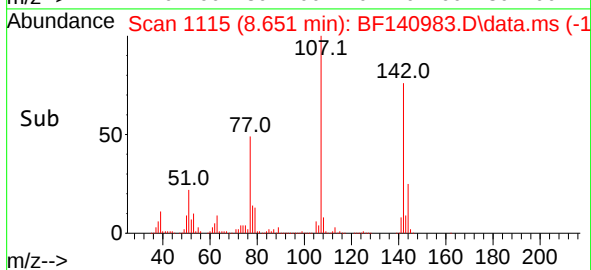
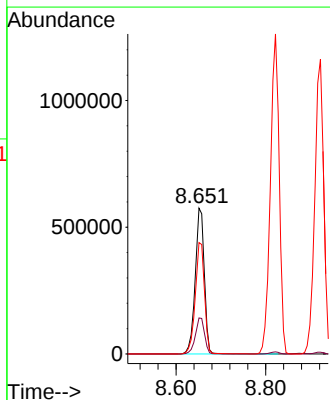
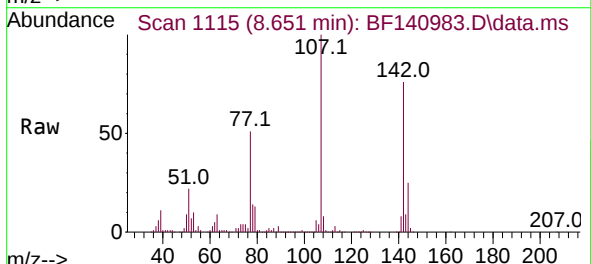
Manual Integrations
APPROVED

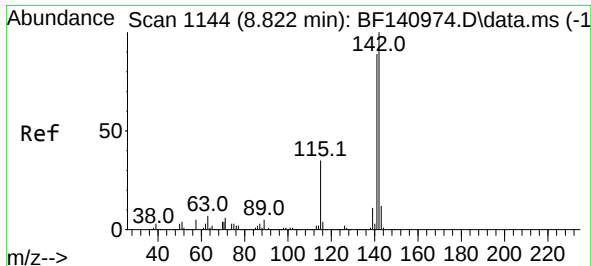
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#36
4-Chloro-3-methylphenol
Concen: 46.700 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion:107 Resp: 810772
Ion Ratio Lower Upper
107 100
144 24.7 19.9 29.9
142 76.5 61.8 92.8





#37

2-Methylnaphthalene

Concen: 46.090 ng

RT: 8.822 min Scan# 1144

Delta R.T. 0.000 min

Lab File: BF140983.D

Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS

Tgt Ion:142 Resp: 1722840

Ion Ratio Lower Upper

142 100

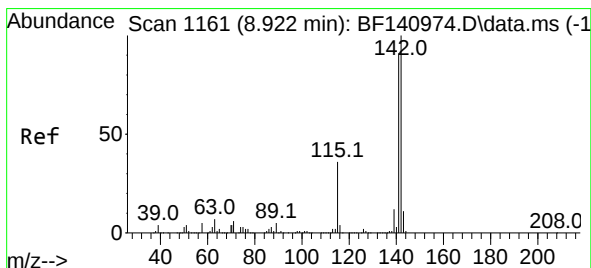
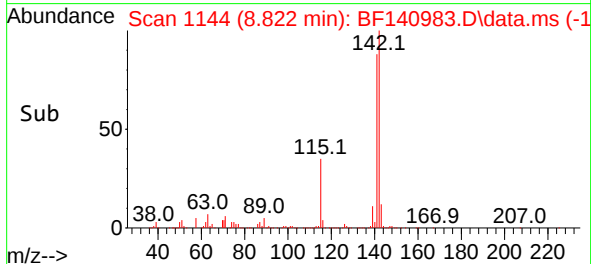
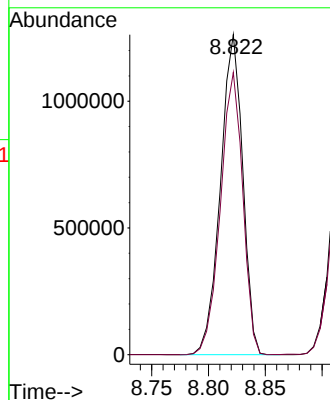
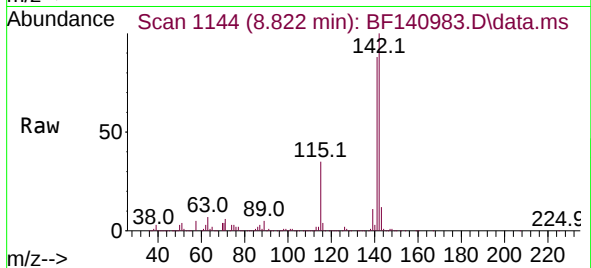
141 88.2 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#38

1-Methylnaphthalene

Concen: 43.506 ng

RT: 8.922 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF140983.D

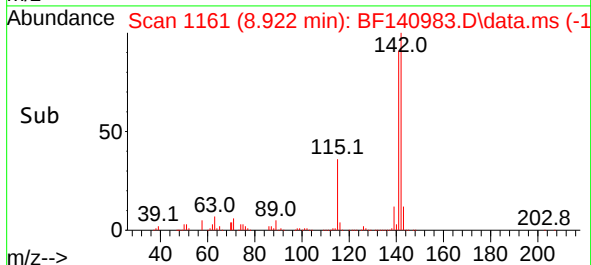
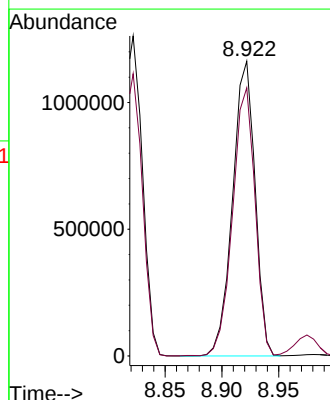
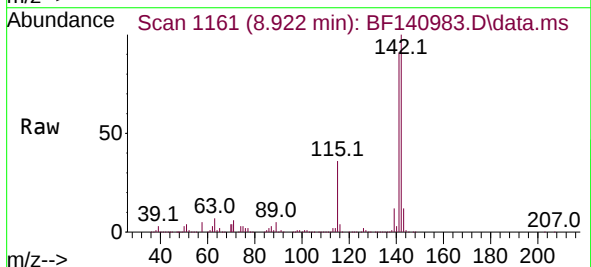
Acq: 27 Dec 2024 09:11

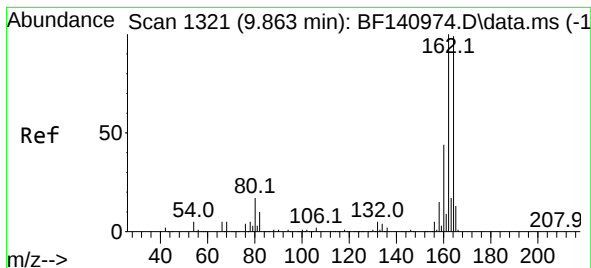
Tgt Ion:142 Resp: 1598257

Ion Ratio Lower Upper

142 100

141 91.0 72.7 109.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF140983.D

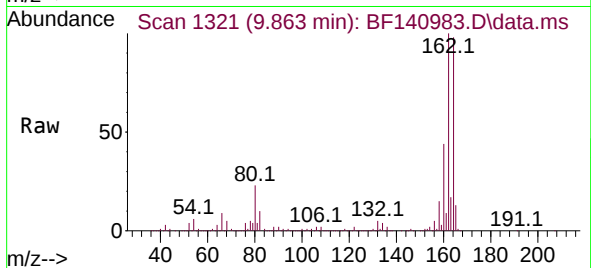
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS



Tgt Ion:164 Resp: 597040

Ion Ratio Lower Upper

164 100

162 101.5 80.6 120.8

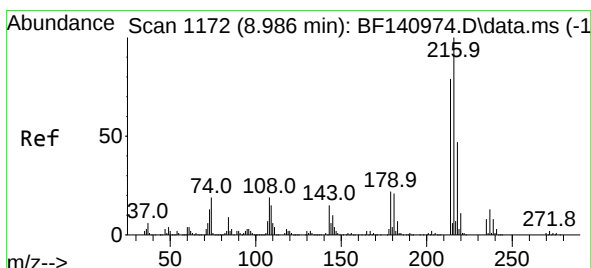
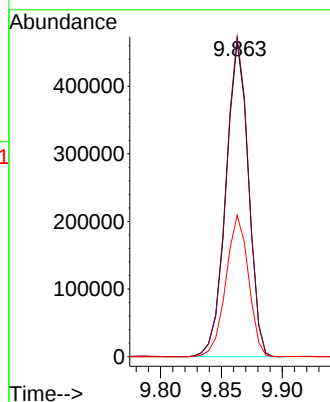
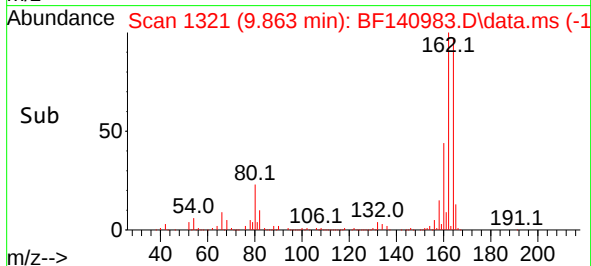
160 44.8 35.7 53.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.438 ng

RT: 8.987 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF140983.D

Acq: 27 Dec 2024 09:11

Tgt Ion:216 Resp: 729914

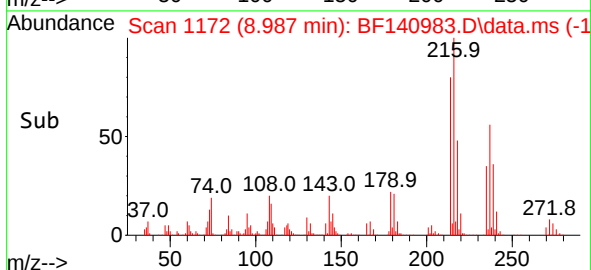
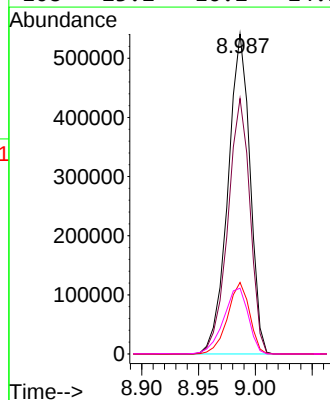
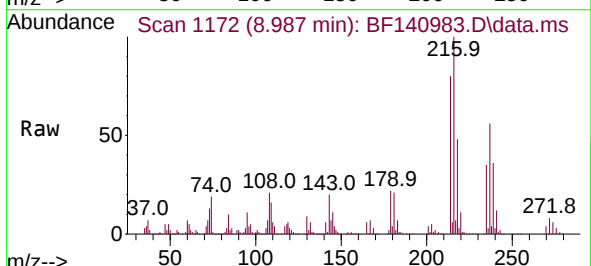
Ion Ratio Lower Upper

216 100

214 79.8 63.0 94.6

179 22.3 17.9 26.9

108 23.2 16.2 24.2





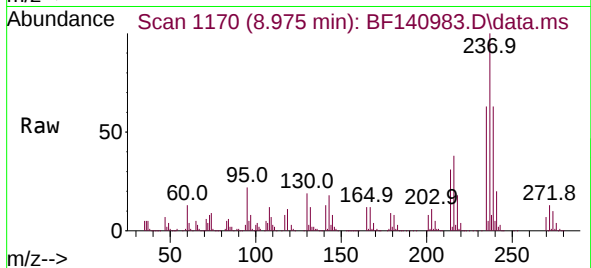
#41
Hexachlorocyclopentadiene
Concen: 165.760 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS

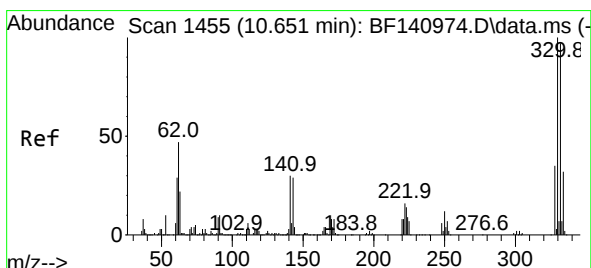
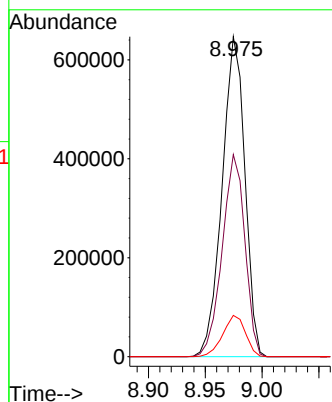
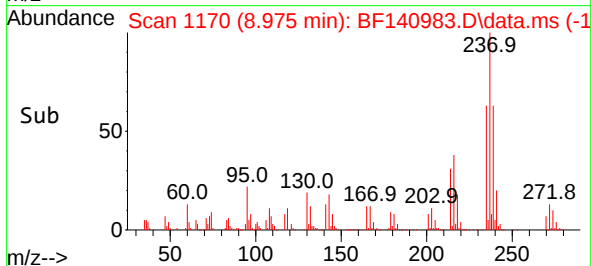


Tgt Ion:237 Resp: 902260
Ion Ratio Lower Upper
237 100
235 63.1 43.4 83.4
272 12.9 0.0 32.6

Manual Integrations

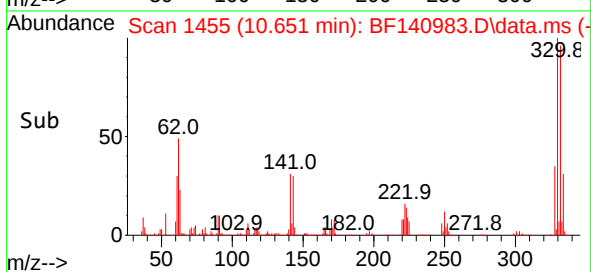
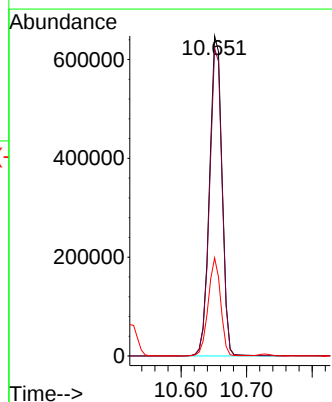
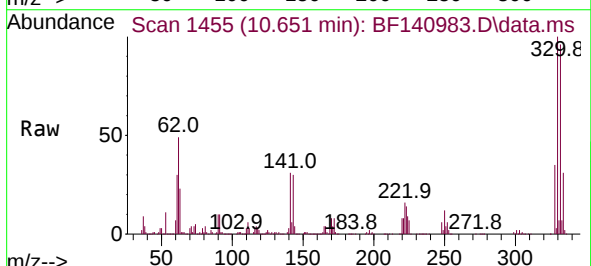
APPROVED

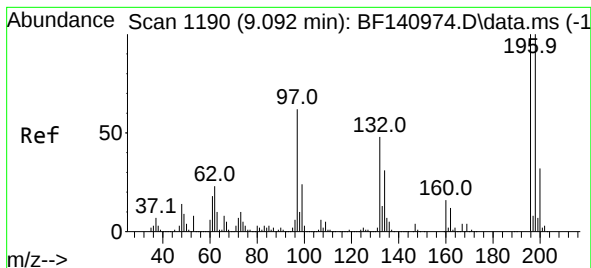
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#42
2,4,6-Tribromophenol
Concen: 148.523 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion:330 Resp: 861659
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 30.4 26.4 39.6





#43

2,4,6-Trichlorophenol

Concen: 50.352 ng

RT: 9.092 min Scan# 1190

Delta R.T. 0.000 min

Lab File: BF140983.D

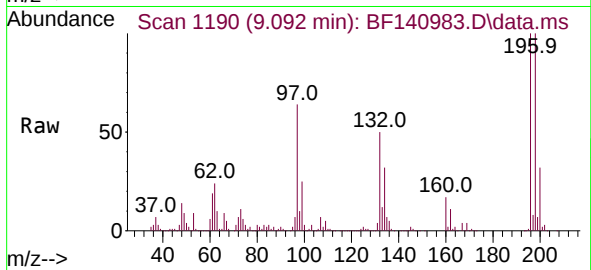
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS



Tgt Ion:196 Resp: 550450

Ion Ratio Lower Upper

196 100

198 100.2 80.2 120.4

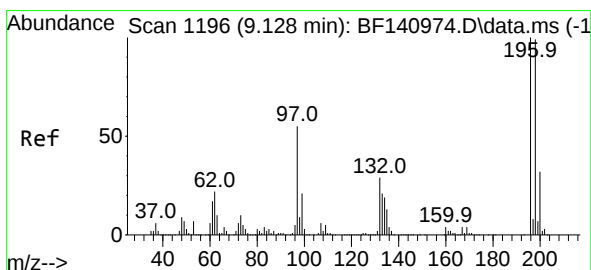
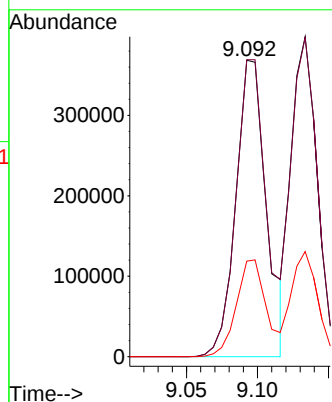
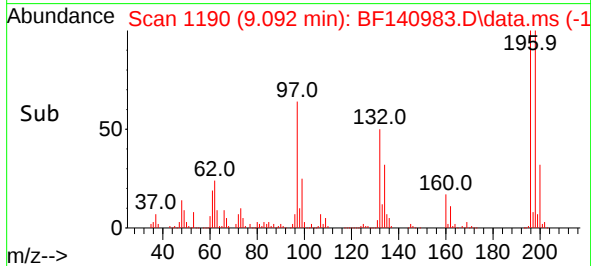
200 32.2 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#44

2,4,5-Trichlorophenol

Concen: 45.462 ng

RT: 9.134 min Scan# 1197

Delta R.T. 0.006 min

Lab File: BF140983.D

Acq: 27 Dec 2024 09:11

Tgt Ion:196 Resp: 508518

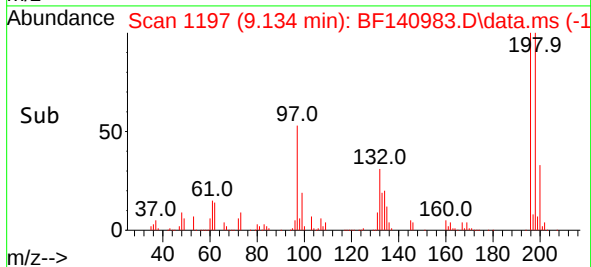
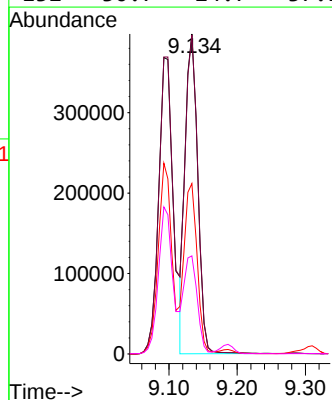
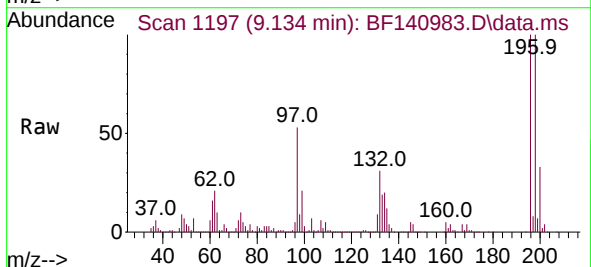
Ion Ratio Lower Upper

196 100

198 99.7 79.9 119.9

97 53.2 44.3 66.5

132 30.7 24.7 37.1





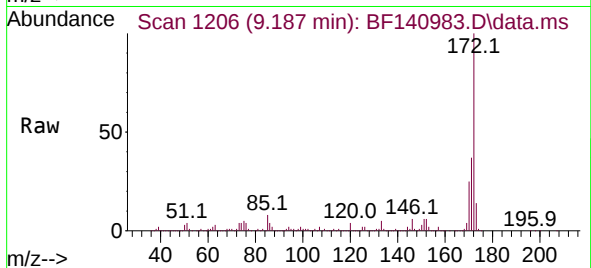
#45
2-Fluorobiphenyl
Concen: 87.386 ng
RT: 9.187 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

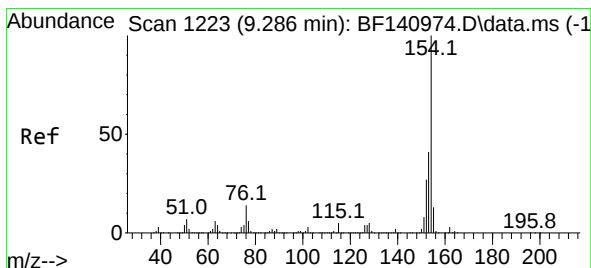
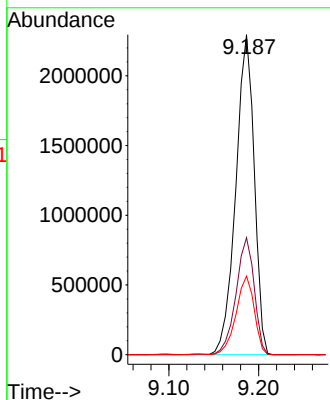
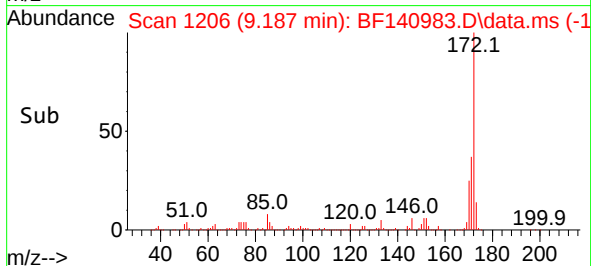
PB165785BS



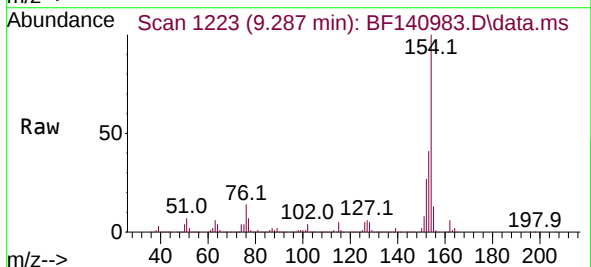
Tgt Ion:172 Resp: 3274669
Ion Ratio Lower Upper
172 100
171 36.6 29.0 43.4
170 24.6 19.6 29.4

Manual Integrations
APPROVED

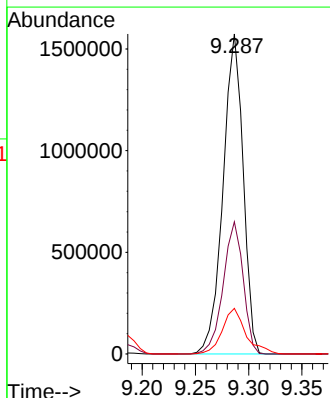
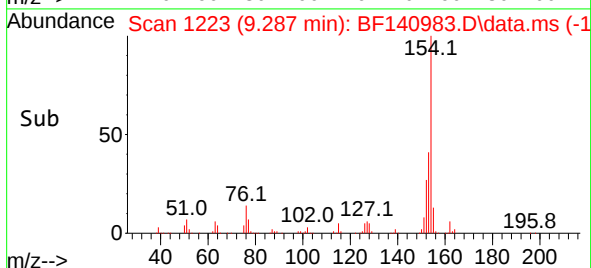
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

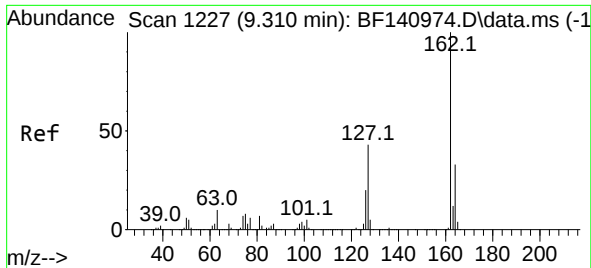


#46
1,1'-Biphenyl
Concen: 45.178 ng
RT: 9.287 min Scan# 1223
Delta R.T. 0.001 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11



Tgt Ion:154 Resp: 2065336
Ion Ratio Lower Upper
154 100
153 41.3 20.9 60.9
76 14.2 0.0 34.0





#47
2-Chloronaphthalene
Concen: 43.890 ng
RT: 9.310 min Scan# 1227
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

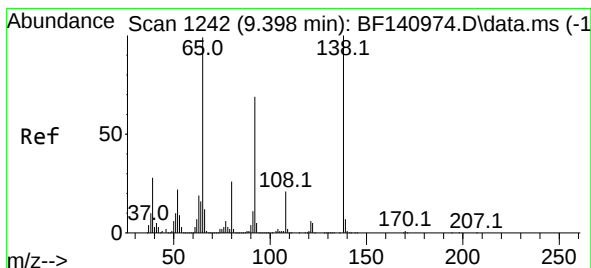
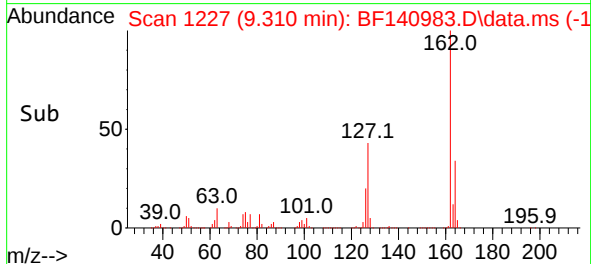
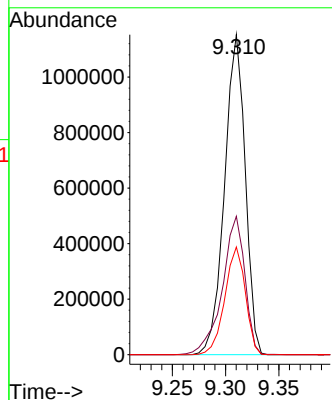
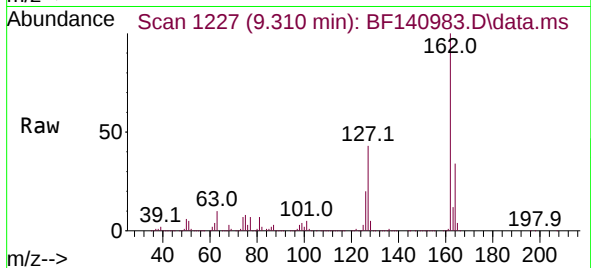
PB165785BS

Tgt Ion:162 Resp: 155615
Ion Ratio Lower Upper
162 100
127 43.2 34.2 51.4
164 33.6 26.6 40.0

Manual Integrations

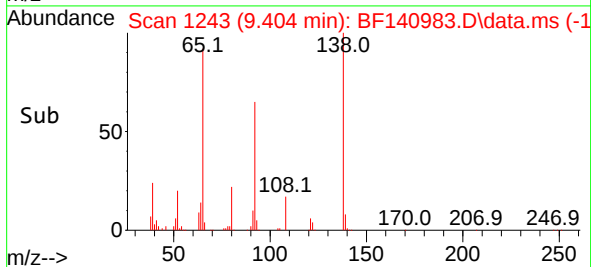
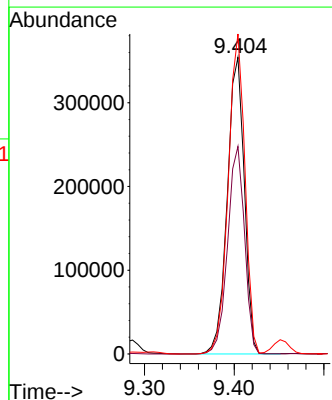
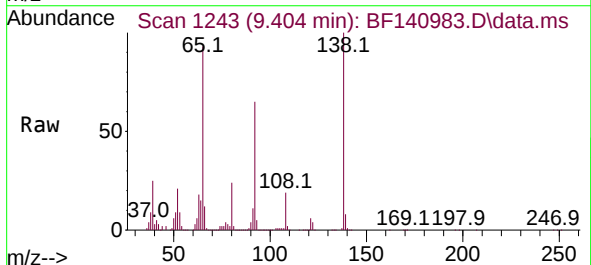
APPROVED

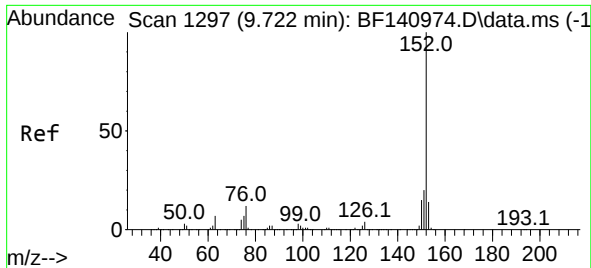
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#48
2-Nitroaniline
Concen: 50.170 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion: 65 Resp: 467505
Ion Ratio Lower Upper
65 100
92 70.0 55.6 83.4
138 107.9 80.5 120.7





#49
Acenaphthylene
Concen: 47.898 ng
RT: 9.728 min Scan# 1297
Delta R.T. 0.006 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

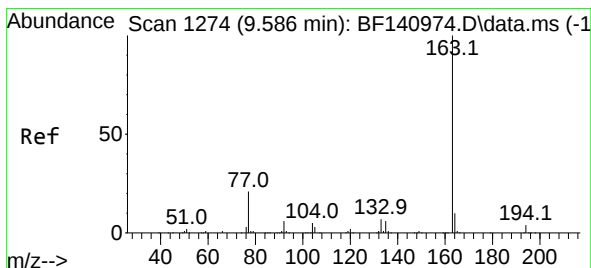
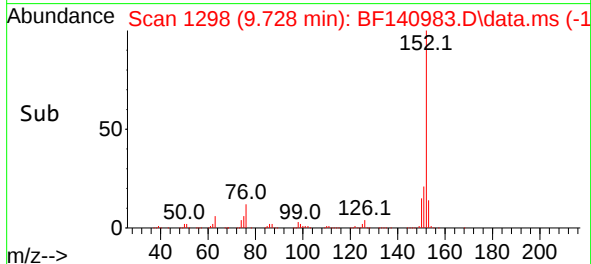
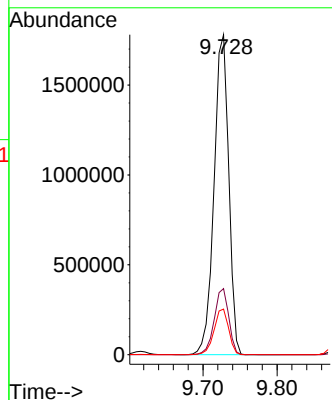
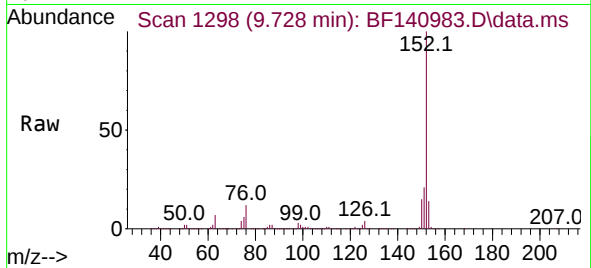
PB165785BS

Tgt Ion:152 Resp: 244471
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4
153 14.3 11.4 17.0

Manual Integrations

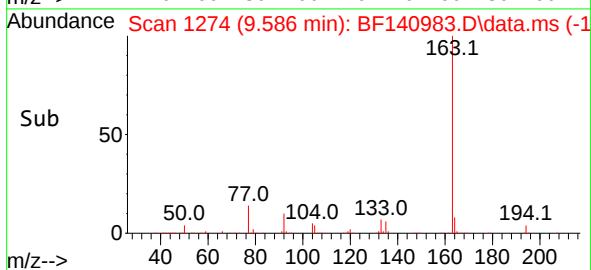
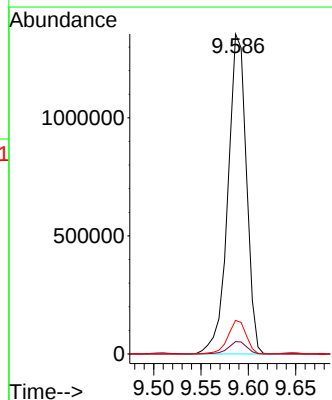
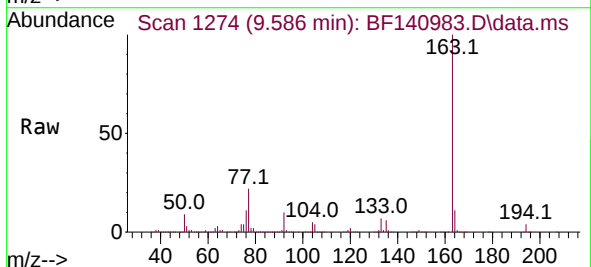
APPROVED

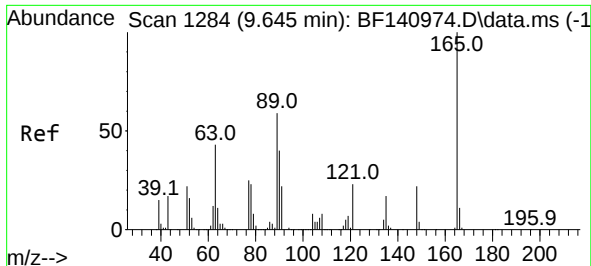
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#50
Dimethylphthalate
Concen: 46.821 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion:163 Resp: 1838728
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 10.5 8.3 12.5





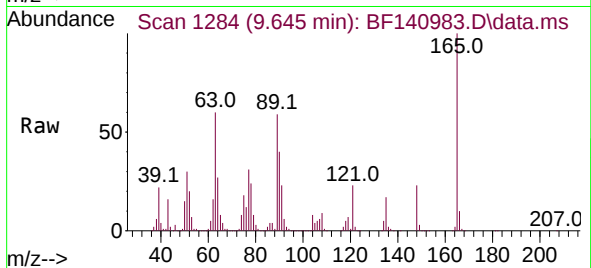
#51
2,6-Dinitrotoluene
Concen: 48.245 ng
RT: 9.645 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

Client Sample Id :

PB165785BS



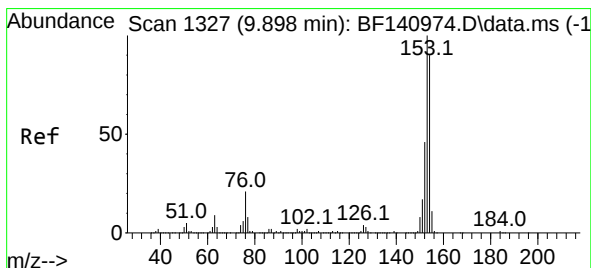
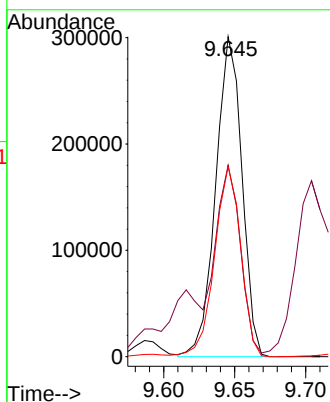
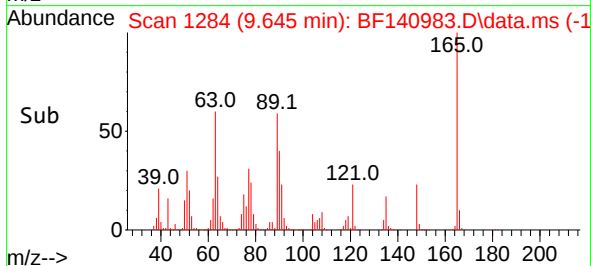
Tgt Ion:165 Resp: 386549
Ion Ratio Lower Upper
165 100
63 59.8 47.1 70.7
89 59.4 47.0 70.4

Manual Integrations

APPROVED

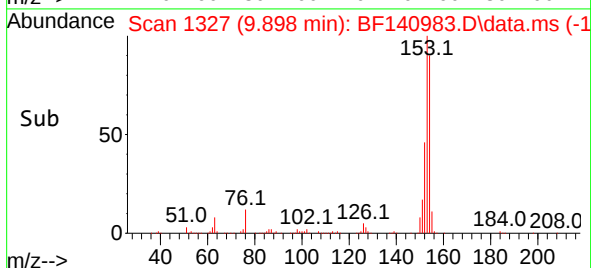
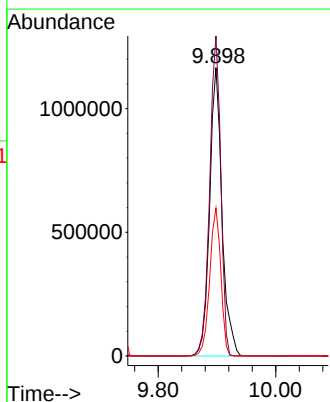
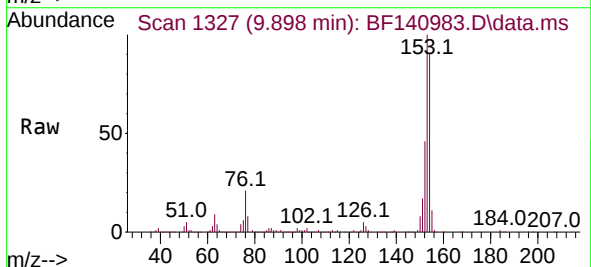
Reviewed By :Yogesh Patel 12/30/2024

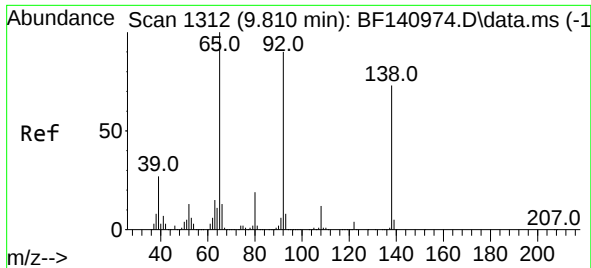
Supervised By :mohammad ahmed 12/30/2024



#52
Acenaphthene
Concen: 49.371 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion:154 Resp: 1703583
Ion Ratio Lower Upper
154 100
153 111.0 89.2 133.8
152 51.3 40.9 61.3





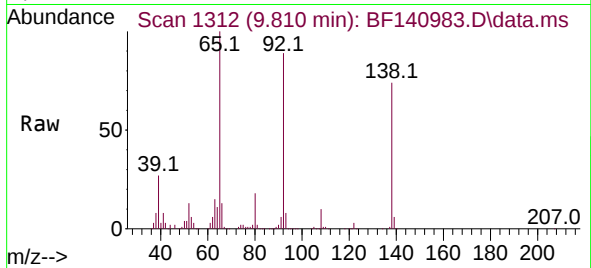
#53
3-Nitroaniline
Concen: 31.691 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS



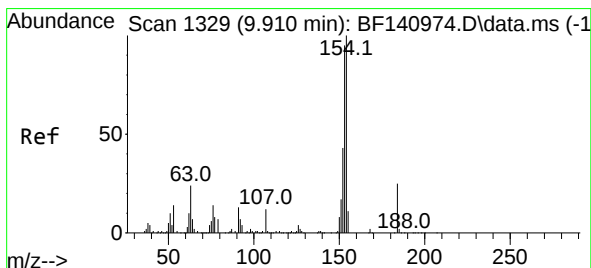
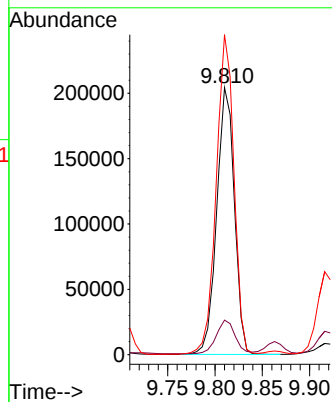
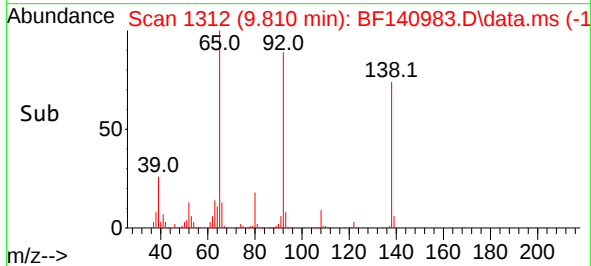
Tgt Ion:138 Resp: 265650
Ion Ratio Lower Upper
138 100
108 13.0 13.5 20.3#
92 119.9 97.7 146.5

Manual Integrations

APPROVED

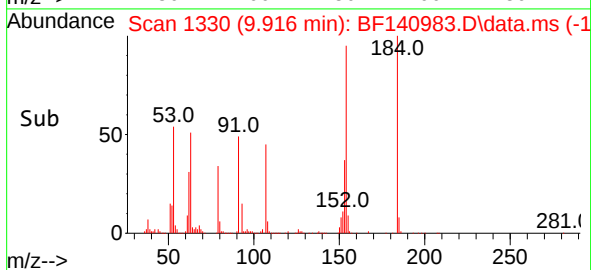
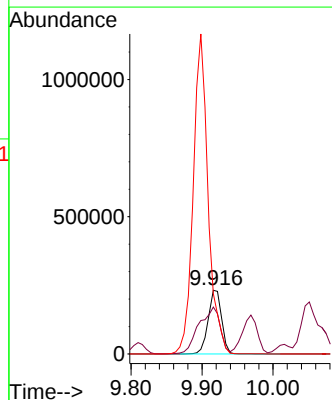
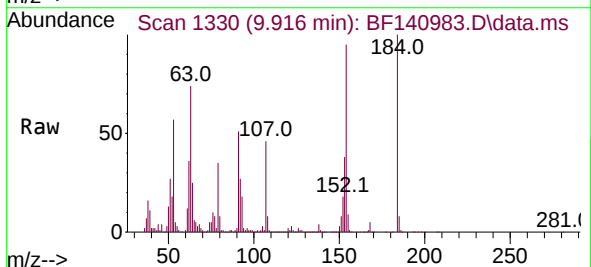
Reviewed By :Yogesh Patel 12/30/2024

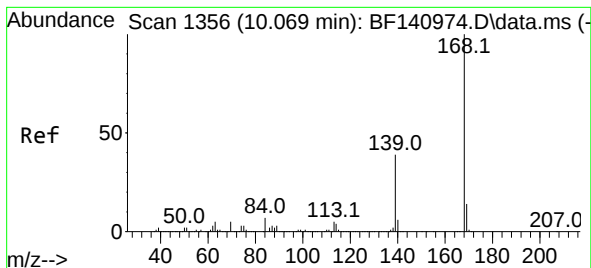
Supervised By :mohammad ahmed 12/30/2024



#54
2,4-Dinitrophenol
Concen: 90.306 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion:184 Resp: 304969
Ion Ratio Lower Upper
184 100
63 73.7 81.6 122.4#
154 94.6 363.5 545.3#





#55
Dibenzenofuran
Concen: 45.697 ng
RT: 10.069 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

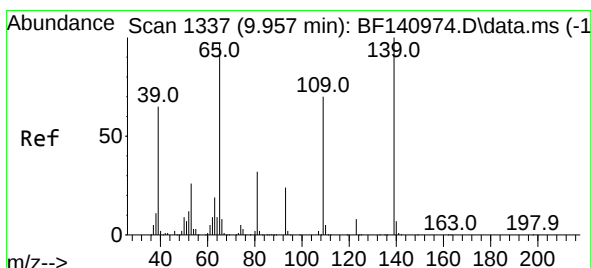
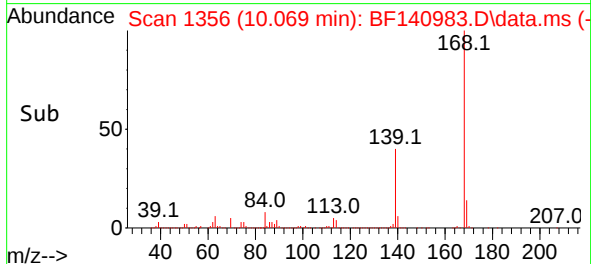
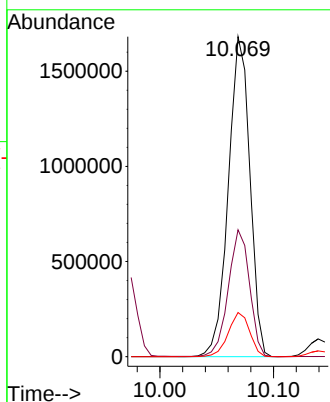
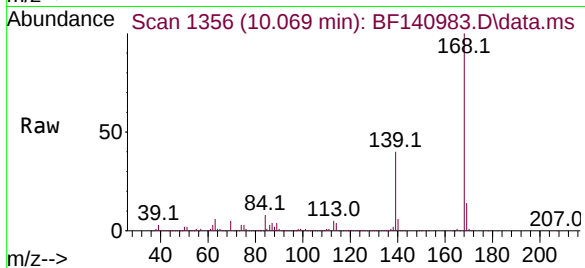
PB165785BS

Tgt Ion:168 Resp: 2215928
Ion Ratio Lower Upper
168 100
139 39.7 31.6 47.4
169 13.8 11.0 16.6

Manual Integrations

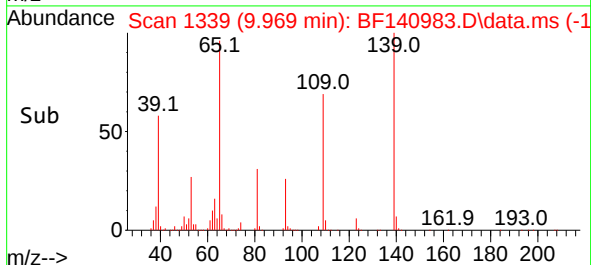
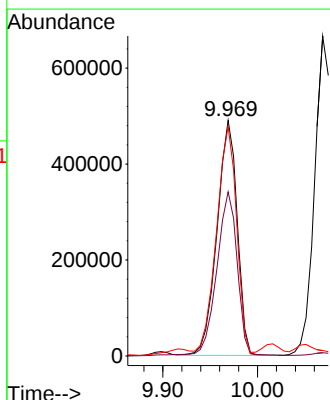
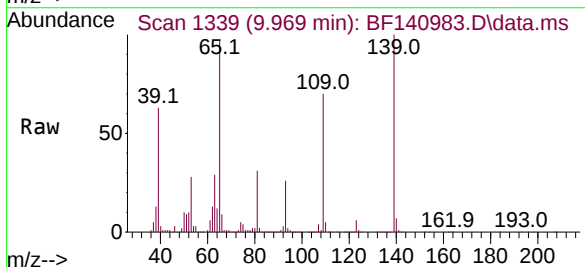
APPROVED

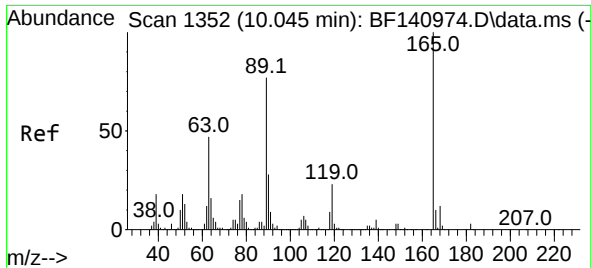
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#56
4-Nitrophenol
Concen: 108.065 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.012 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion:139 Resp: 725953
Ion Ratio Lower Upper
139 100
109 69.7 50.8 90.8
65 97.4 78.5 118.5





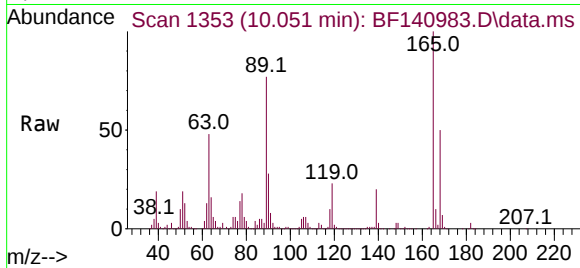
#57
2,4-Dinitrotoluene
Concen: 51.330 ng
RT: 10.051 min Scan# 1352
Delta R.T. 0.006 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS

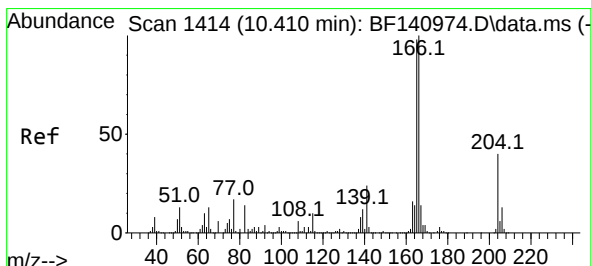
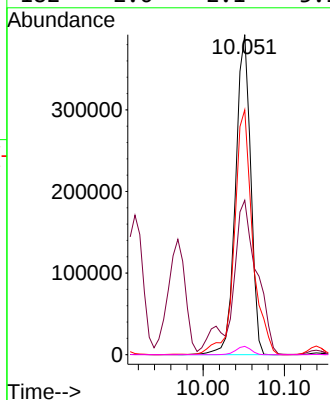
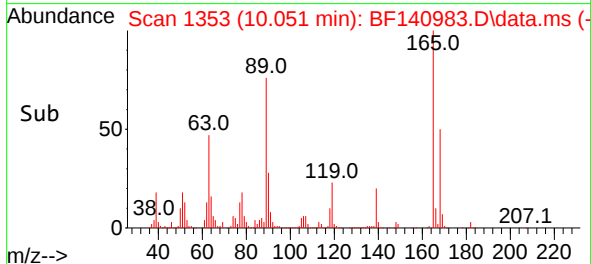


Tgt Ion:165 Resp: 506429
Ion Ratio Lower Upper
165 100
63 48.3 38.1 57.1
89 76.5 61.4 92.2
182 2.6 2.1 3.1

Manual Integrations

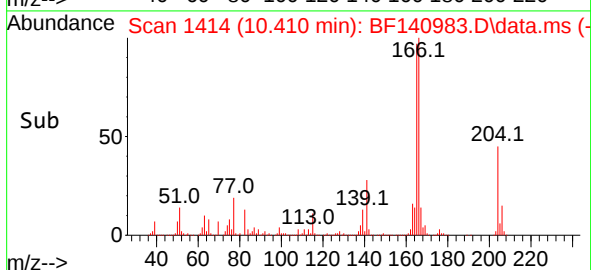
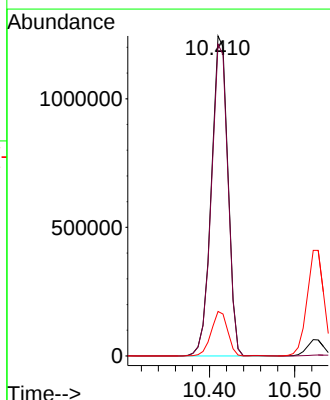
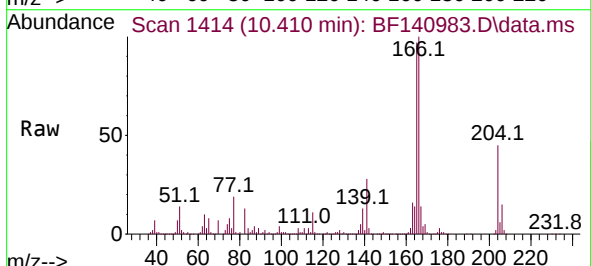
APPROVED

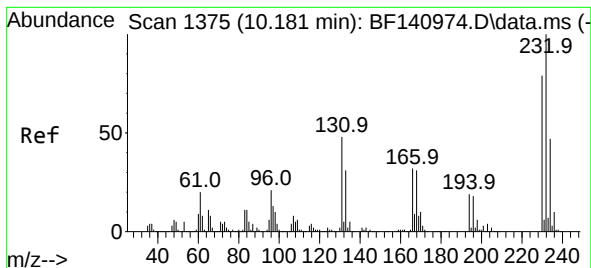
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#58
Fluorene
Concen: 44.636 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

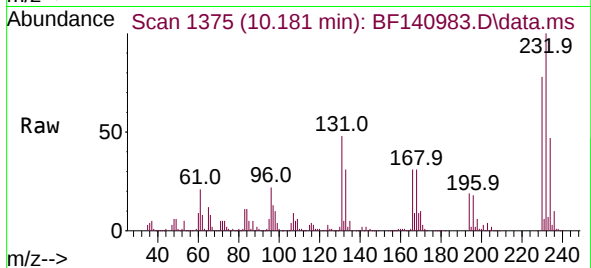
Tgt Ion:166 Resp: 1678446
Ion Ratio Lower Upper
166 100
165 97.4 78.3 117.5
167 13.9 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 50.293 ng
RT: 10.181 min Scan# 1375
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

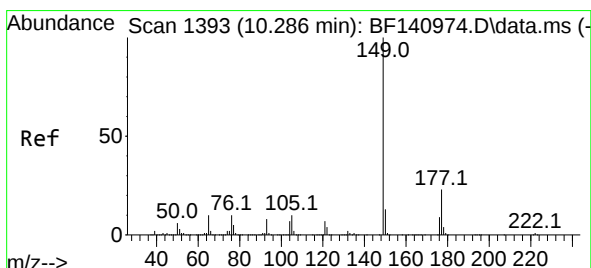
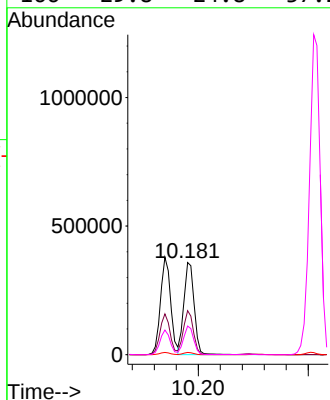
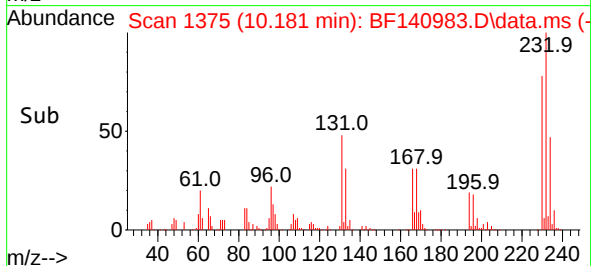
Instrument :
BNA_F
ClientSampleId :
PB165785BS



Tgt Ion:232 Resp: 465904
Ion Ratio Lower Upper
232 100
131 45.8 37.4 56.2
130 2.3 1.8 2.8
166 29.8 24.8 37.2

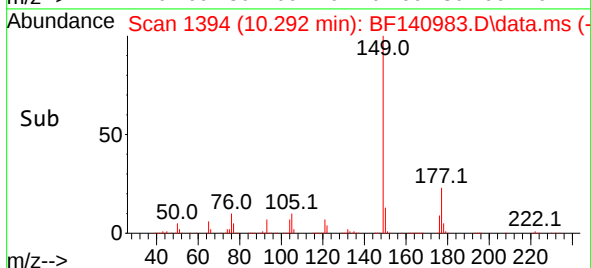
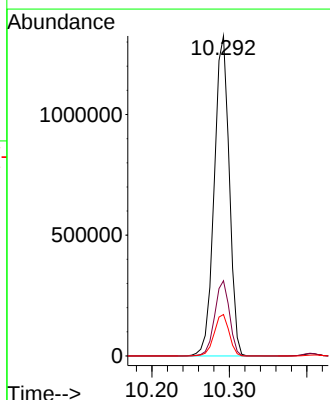
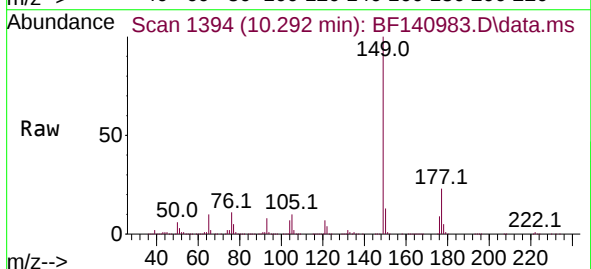
Manual Integrations
APPROVED

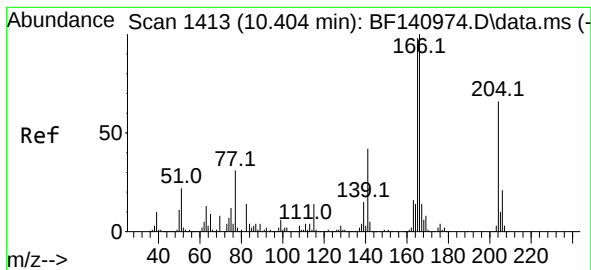
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#60
Diethylphthalate
Concen: 45.878 ng
RT: 10.292 min Scan# 1394
Delta R.T. 0.006 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion:149 Resp: 1778699
Ion Ratio Lower Upper
149 100
177 23.5 18.3 27.5
150 12.9 10.4 15.6





#61
4-Chlorophenyl-phenylether
Concen: 44.322 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

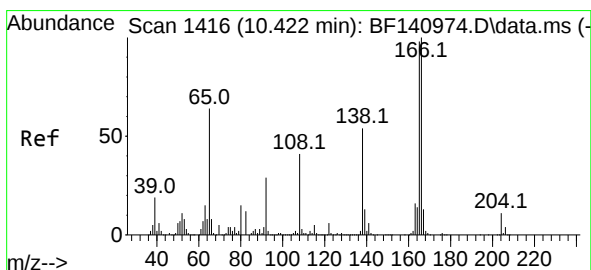
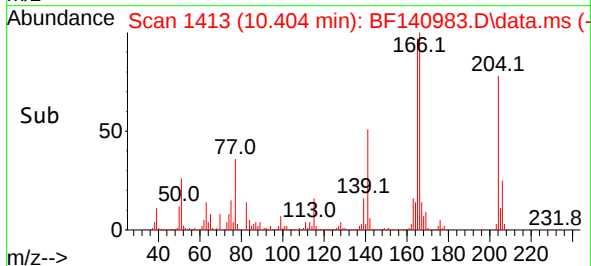
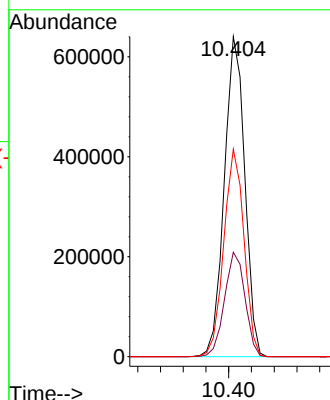
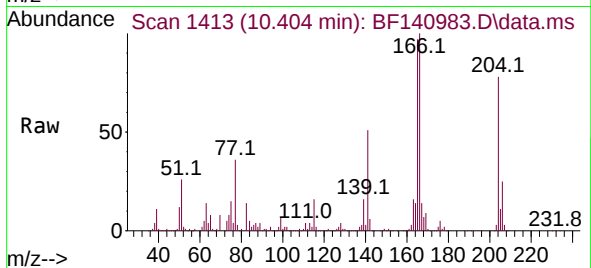
PB165785BS

Tgt Ion:204 Resp: 801949
Ion Ratio Lower Upper
204 100
206 32.7 25.8 38.6
141 64.8 51.2 76.8

Manual Integrations

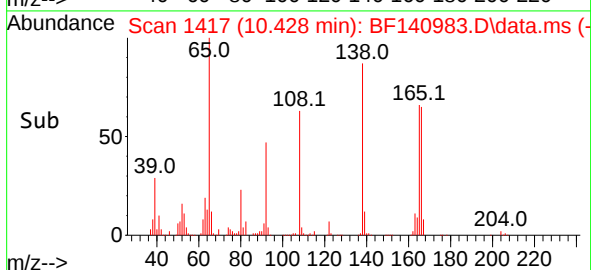
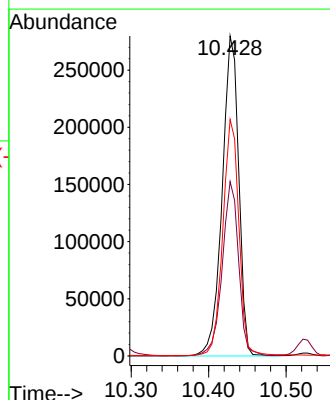
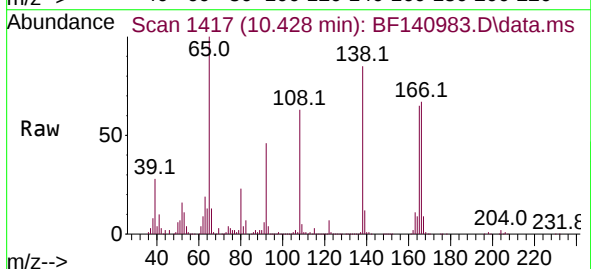
APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#62
4-Nitroaniline
Concen: 47.753 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion:138 Resp: 415348
Ion Ratio Lower Upper
138 100
92 54.5 34.8 74.8
108 73.9 55.9 95.9





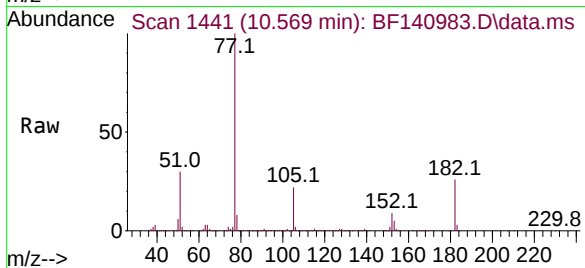
#63
Azobenzene
Concen: 46.254 ng
RT: 10.569 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS



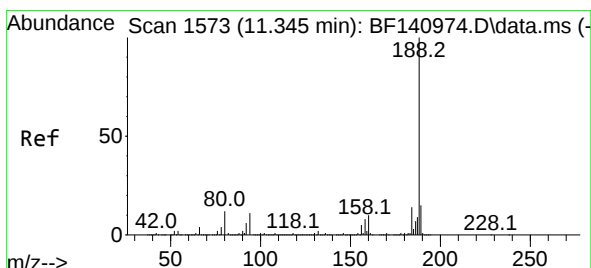
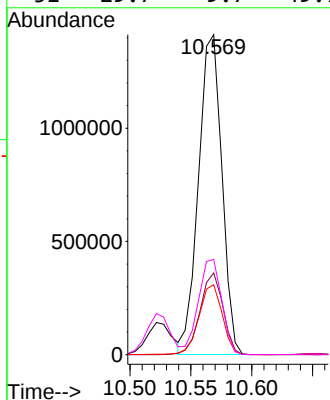
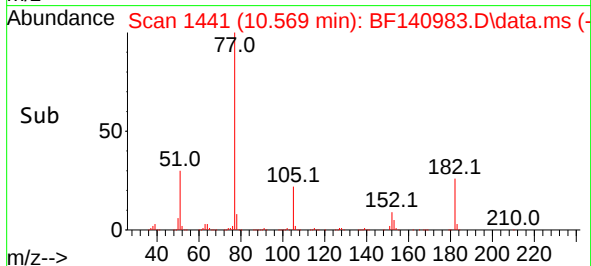
Tgt Ion: 77 Resp: 1882254
Ion Ratio Lower Upper
77 100
182 25.6 4.1 44.1
105 21.9 1.8 41.8
51 29.7 9.7 49.7

Manual Integrations

APPROVED

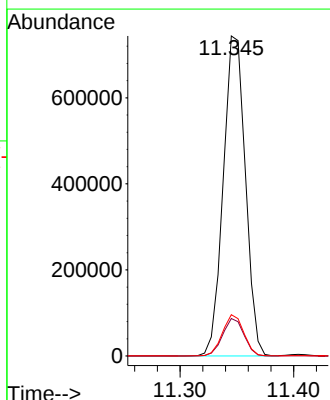
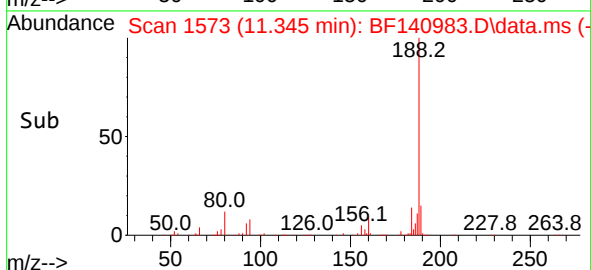
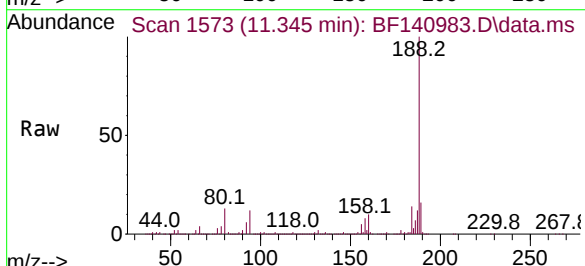
Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

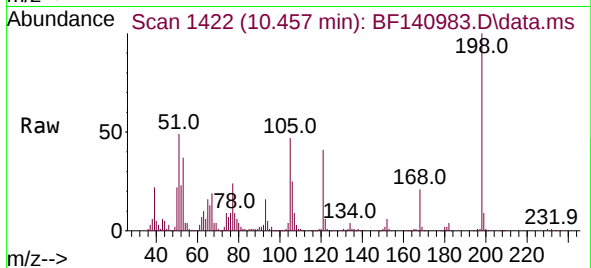
Tgt Ion:188 Resp: 1008689
Ion Ratio Lower Upper
188 100
94 11.7 9.0 13.6
80 12.9 9.8 14.6





#65
4,6-Dinitro-2-methylphenol
Concen: 52.241 ng
RT: 10.457 min Scan# 1421
Delta R.T. 0.006 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

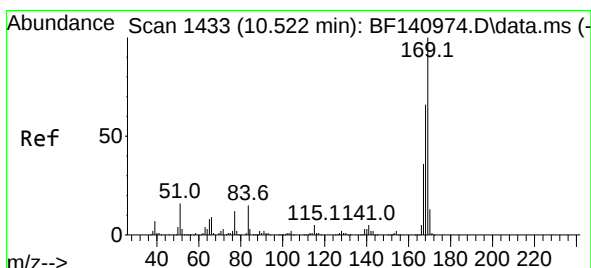
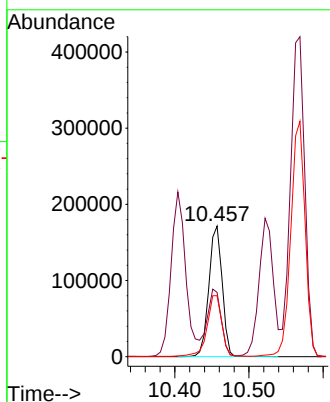
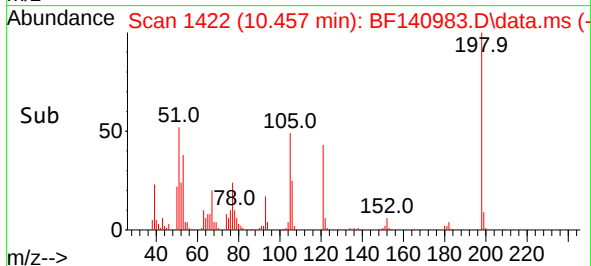
Instrument :
BNA_F
ClientSampleId :
PB165785BS



Tgt Ion:198 Resp: 214224
Ion Ratio Lower Upper
198 100
51 49.2 32.3 72.3
105 46.7 28.4 68.4

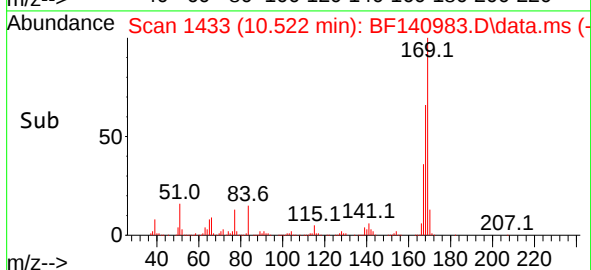
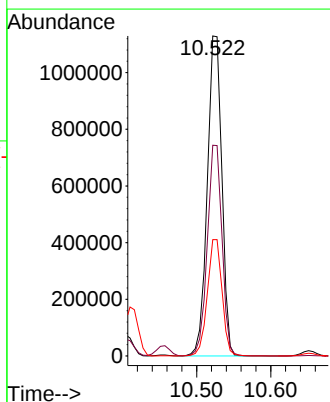
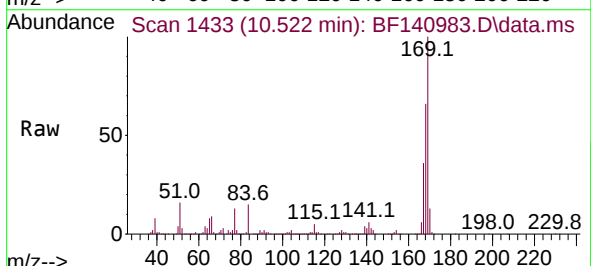
Manual Integrations
APPROVED

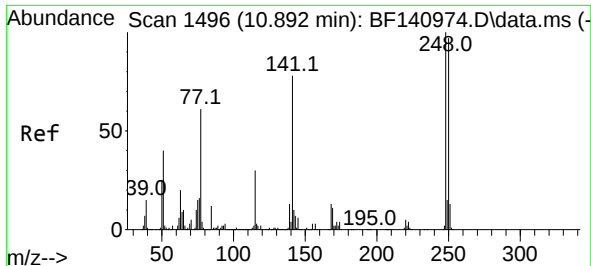
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#66
n-Nitrosodiphenylamine
Concen: 48.448 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

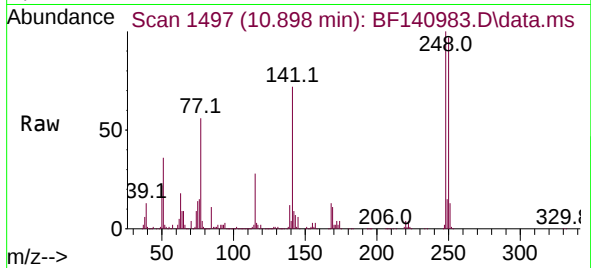
Tgt Ion:169 Resp: 1538861
Ion Ratio Lower Upper
169 100
168 65.8 52.6 79.0
167 36.4 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 47.996 ng
RT: 10.898 min Scan# 1496
Delta R.T. 0.006 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

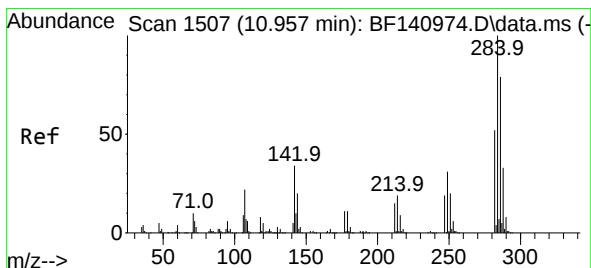
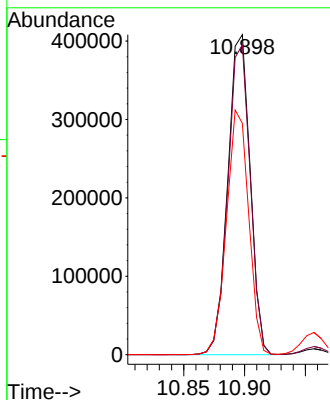
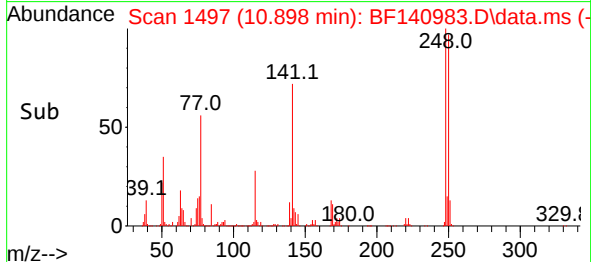
Instrument :
BNA_F
ClientSampleId :
PB165785BS



Tgt Ion:248 Resp: 523358
Ion Ratio Lower Upper
248 100
250 96.8 77.7 116.5
141 72.3 62.1 93.1

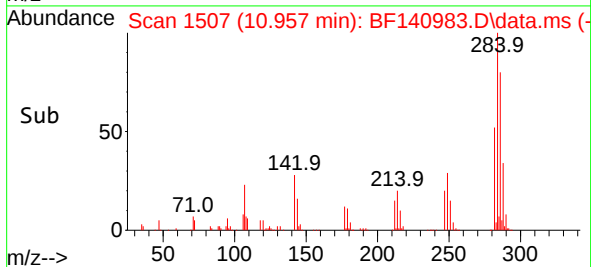
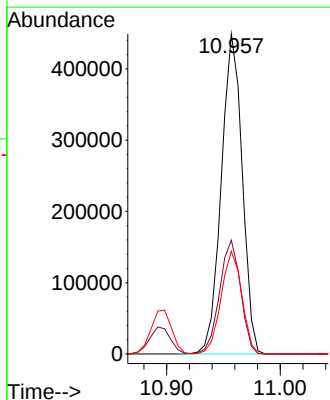
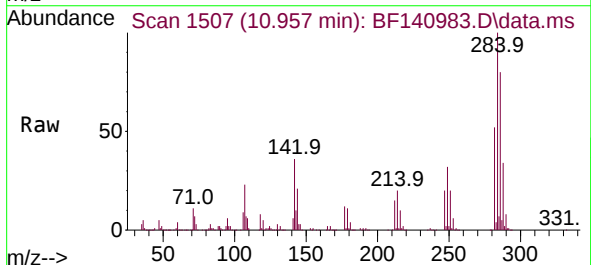
Manual Integrations
APPROVED

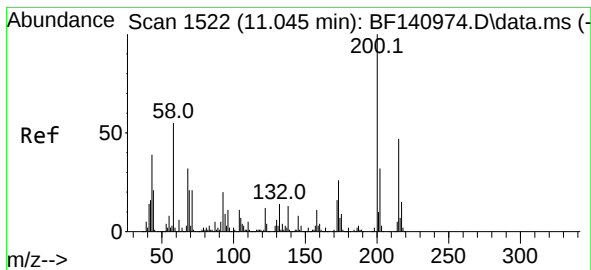
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#68
Hexachlorobenzene
Concen: 47.794 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion:284 Resp: 574649
Ion Ratio Lower Upper
284 100
142 35.5 27.1 40.7
249 32.0 25.1 37.7





#69

Atrazine

Concen: 59.532 ng

RT: 11.051 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140983.D

Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS

Tgt Ion:200 Resp: 52827

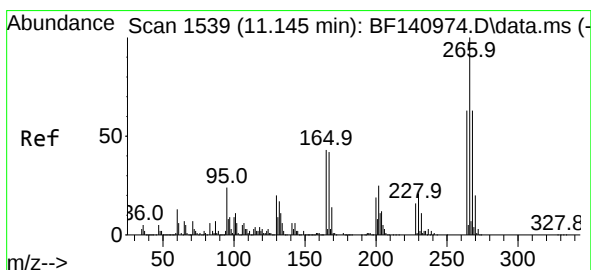
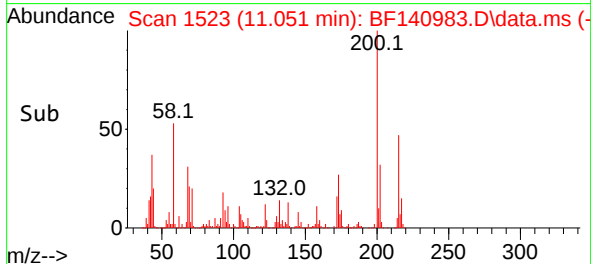
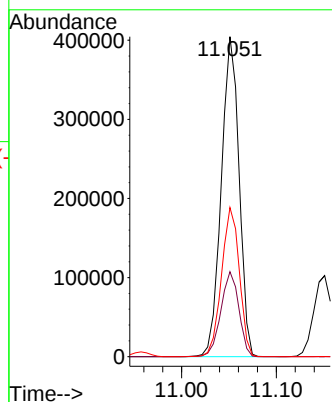
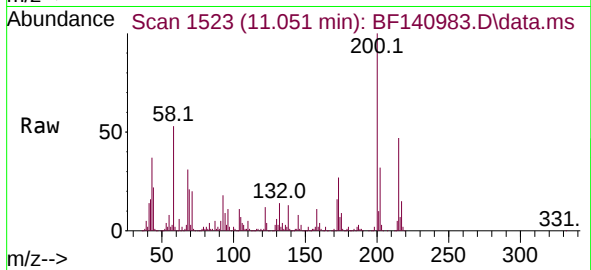
Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.4	46.4
215	46.6	27.2	67.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#70

Pentachlorophenol

Concen: 95.026 ng

RT: 11.151 min Scan# 1540

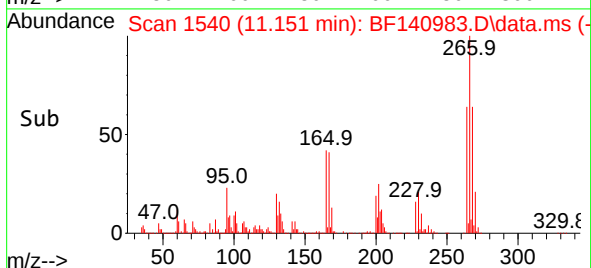
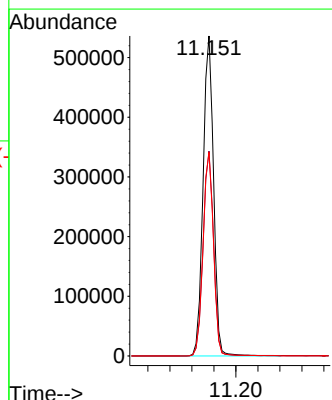
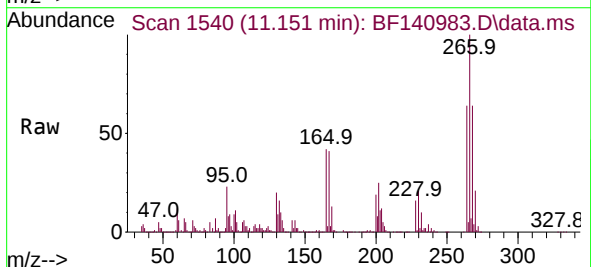
Delta R.T. 0.006 min

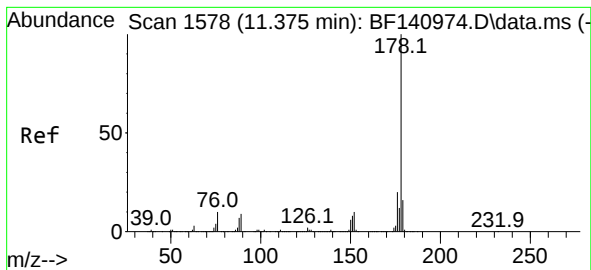
Lab File: BF140983.D

Acq: 27 Dec 2024 09:11

Tgt Ion:266 Resp: 711356

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.5	75.7
264	63.7	50.2	75.4





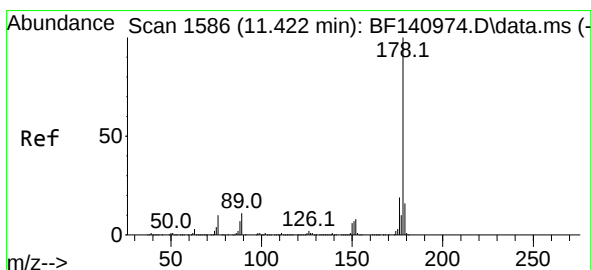
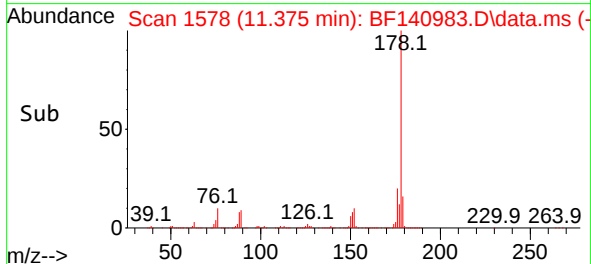
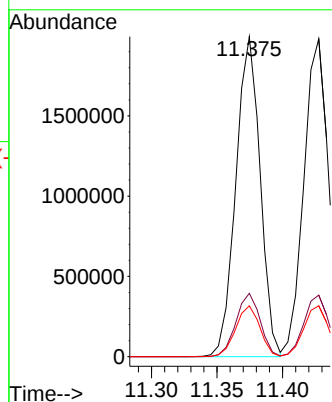
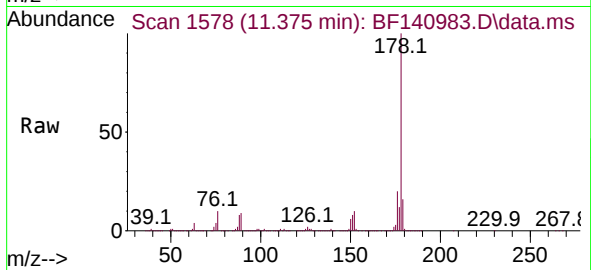
#71
Phenanthrene
Concen: 48.429 ng
RT: 11.375 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :
BNA_F
ClientSampleId :
PB165785BS

Tgt Ion:178 Resp: 257098
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.6
179 15.9 12.6 19.0

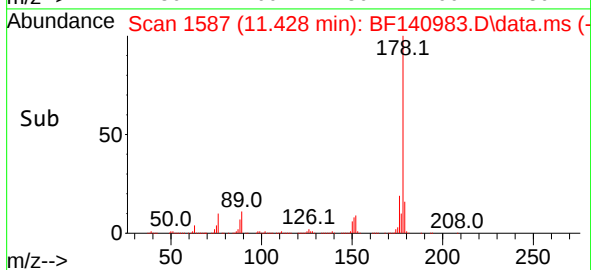
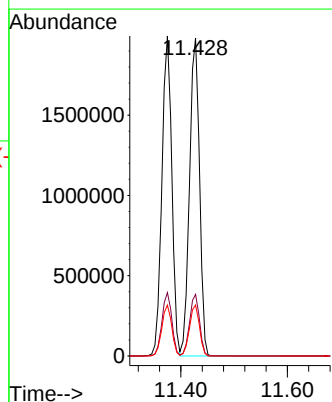
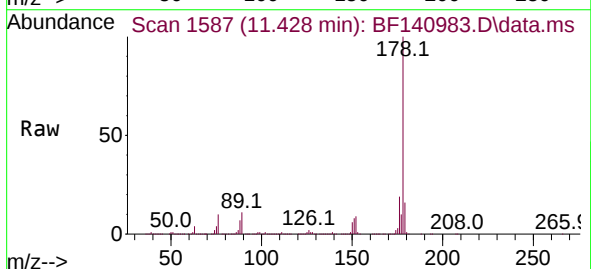
Manual Integrations
APPROVED

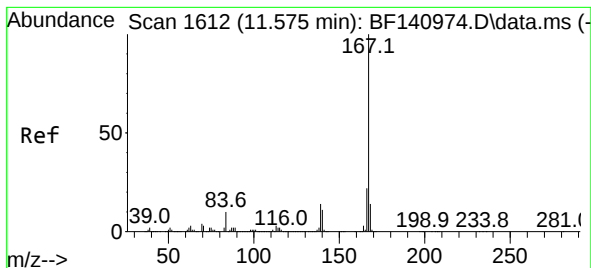
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#72
Anthracene
Concen: 49.495 ng
RT: 11.428 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion:178 Resp: 2574703
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 16.0 12.9 19.3





#73

Carbazole

Concen: 46.404 ng

RT: 11.580 min Scan# 1612

Delta R.T. 0.006 min

Lab File: BF140983.D

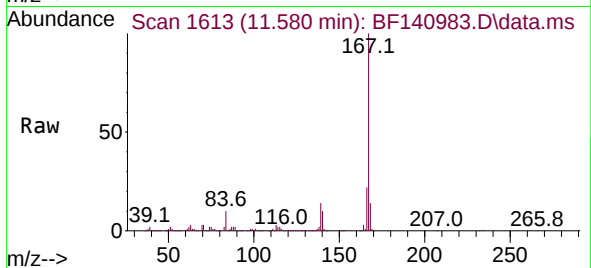
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS



Tgt Ion:167 Resp: 2320550

Ion Ratio Lower Upper

167 100

166 21.9 17.5 26.3

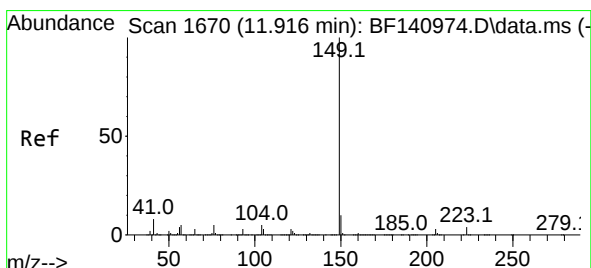
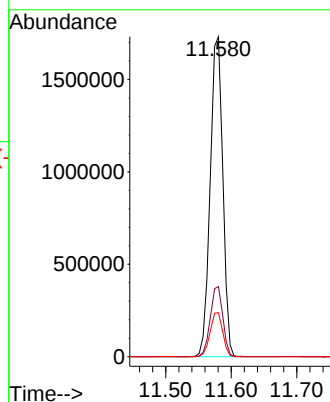
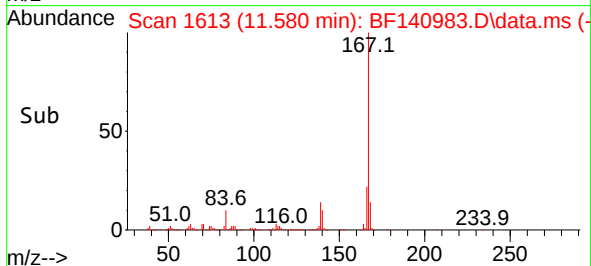
139 13.8 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#74

Di-n-butylphthalate

Concen: 47.398 ng

RT: 11.916 min Scan# 1670

Delta R.T. 0.000 min

Lab File: BF140983.D

Acq: 27 Dec 2024 09:11

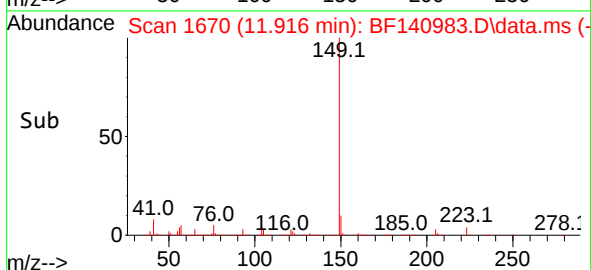
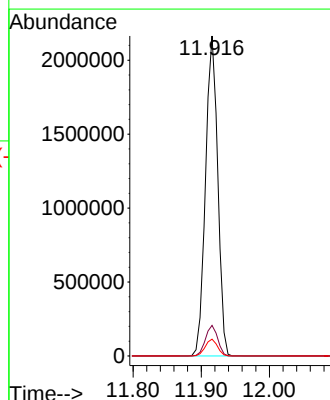
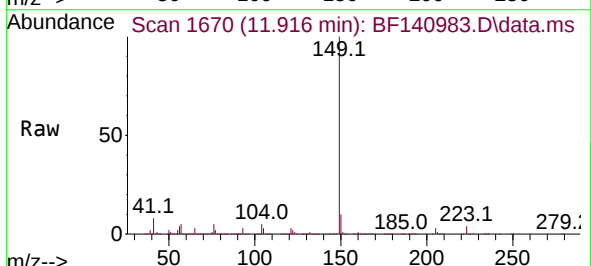
Tgt Ion:149 Resp: 2695936

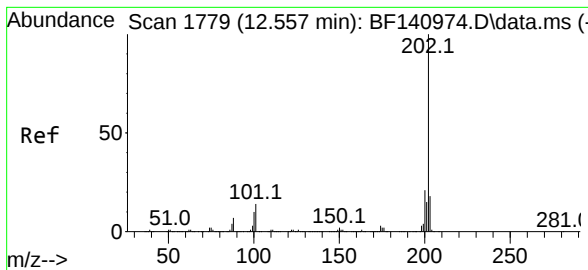
Ion Ratio Lower Upper

149 100

150 9.5 7.7 11.5

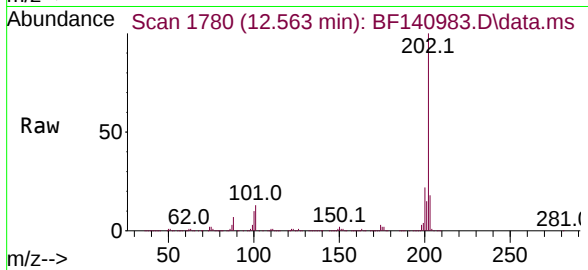
104 5.3 4.1 6.1





#75
Fluoranthene
Concen: 45.875 ng
RT: 12.563 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

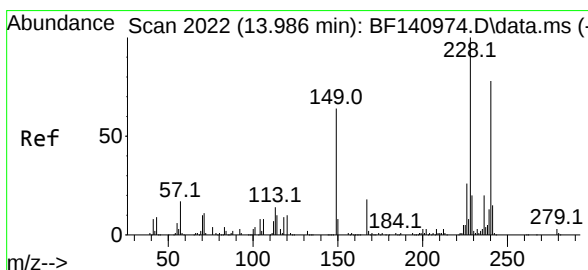
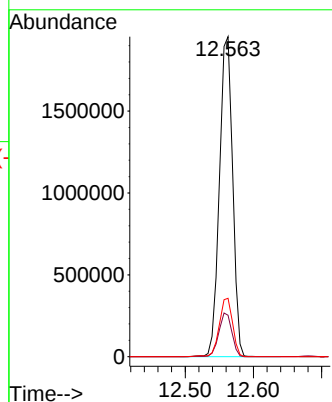
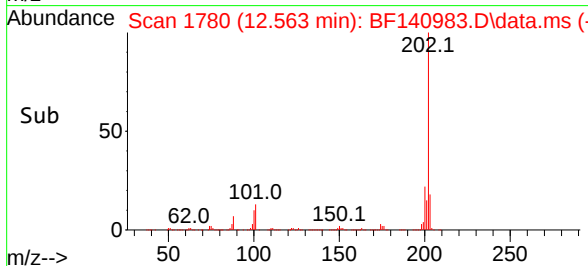
Instrument :
BNA_F
ClientSampleId :
PB165785BS



Tgt Ion:202 Resp: 264135
Ion Ratio Lower Upper
202 100
101 13.0 0.0 33.7
203 18.3 0.0 38.1

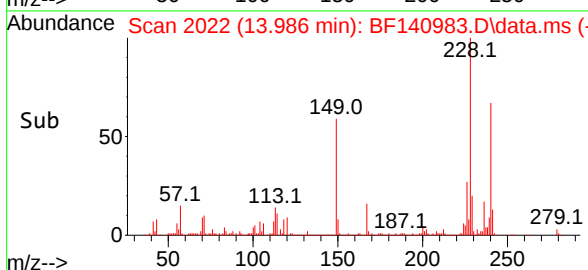
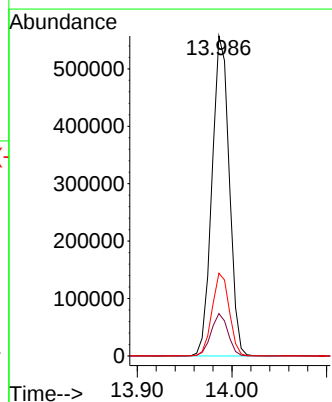
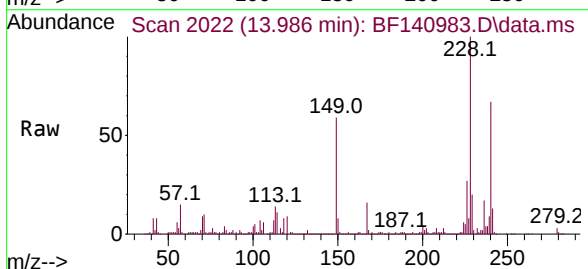
Manual Integrations
APPROVED

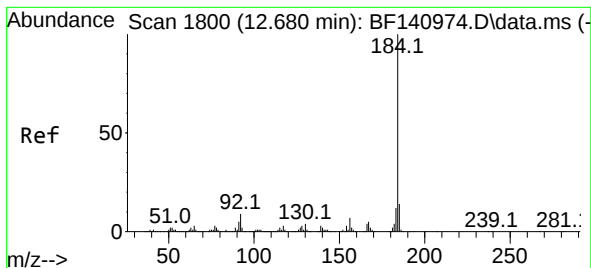
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion:240 Resp: 702609
Ion Ratio Lower Upper
240 100
120 13.3 10.7 16.1
236 25.8 20.6 31.0





#77

Benzidine

Concen: 53.848 ng

RT: 12.680 min Scan# 1800

Delta R.T. 0.000 min

Lab File: BF140983.D

Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS

Tgt Ion:184 Resp: 79958

Ion Ratio Lower Upper

184 100

185 14.9 11.4 17.2

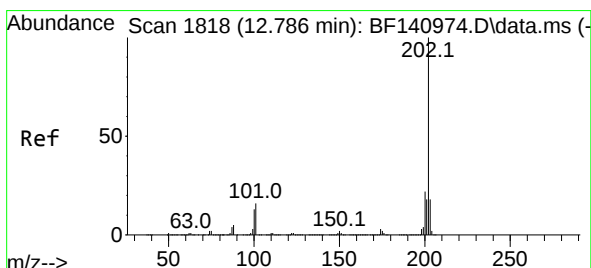
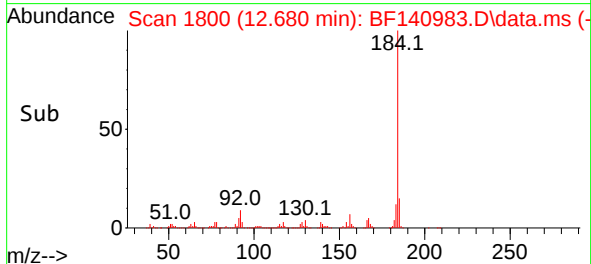
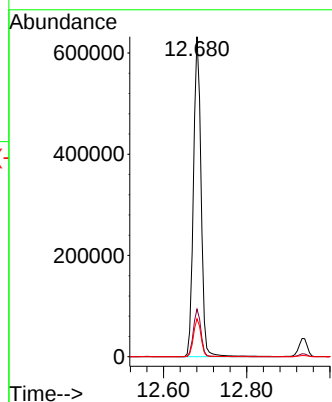
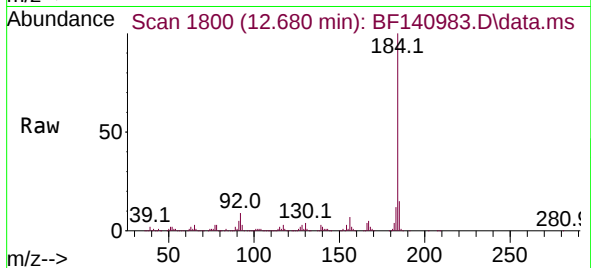
183 11.8 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#78

Pyrene

Concen: 44.649 ng

RT: 12.792 min Scan# 1819

Delta R.T. 0.006 min

Lab File: BF140983.D

Acq: 27 Dec 2024 09:11

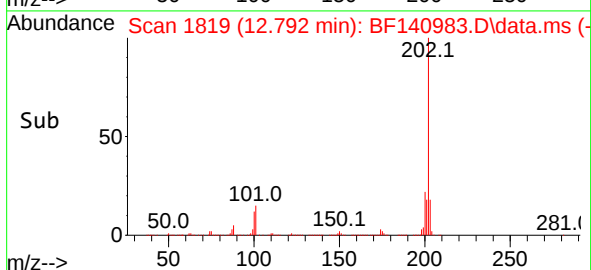
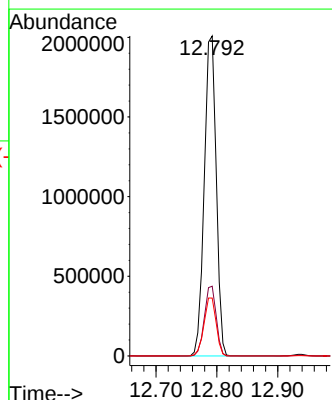
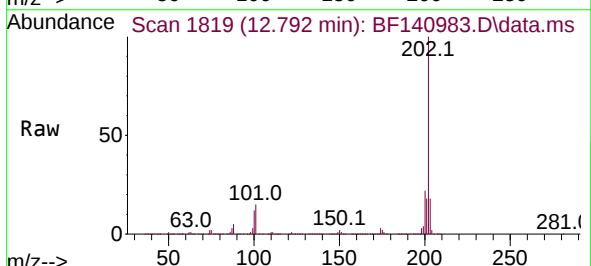
Tgt Ion:202 Resp: 2743608

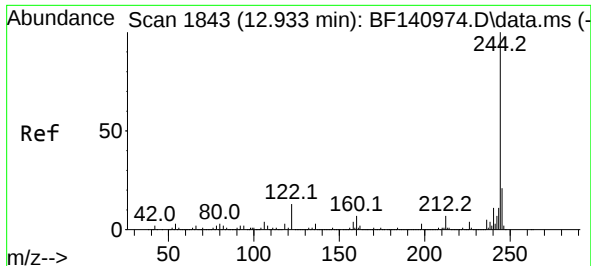
Ion Ratio Lower Upper

202 100

200 21.8 17.3 25.9

203 18.1 14.6 21.8





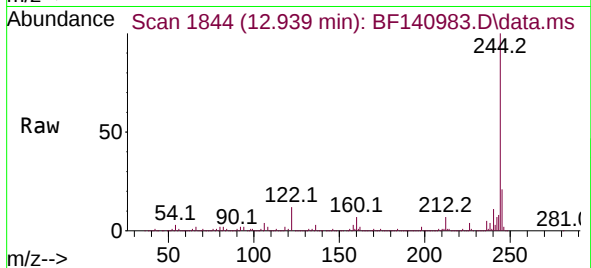
#79
 Terphenyl-d14
 Concen: 89.332 ng
 RT: 12.939 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF140983.D
 Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS

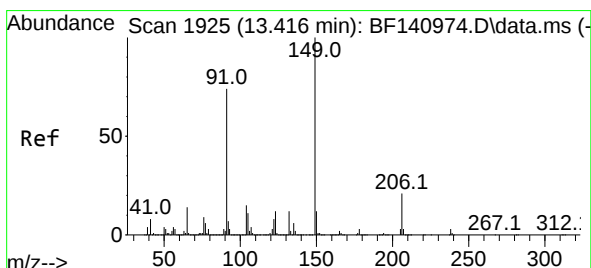
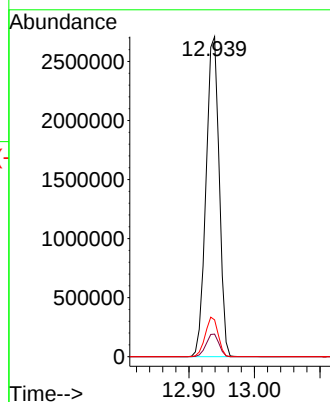
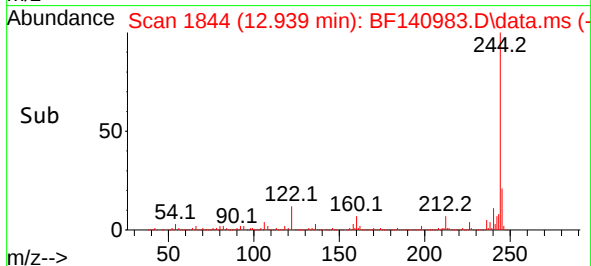


Tgt Ion:244 Resp: 377880
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 11.5 10.2 15.2

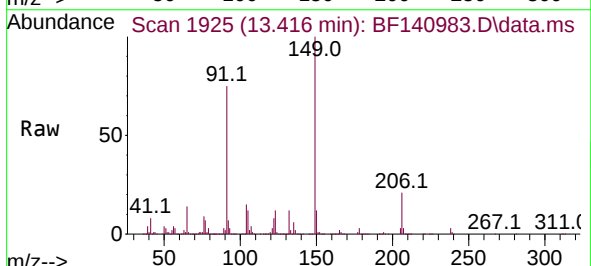
Manual Integrations

APPROVED

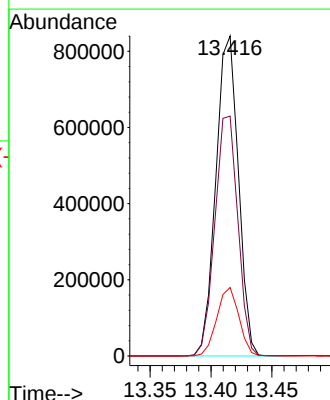
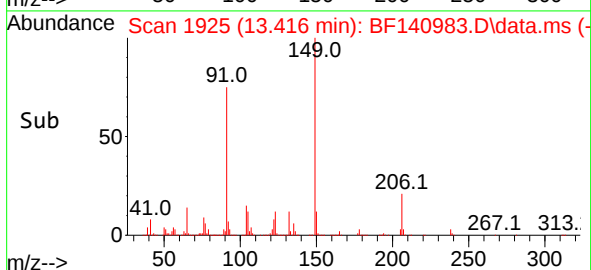
Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024

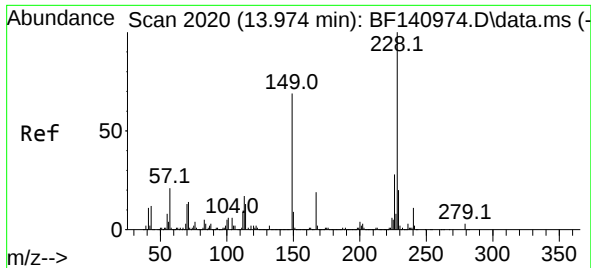


#80
 Butylbenzylphthalate
 Concen: 48.279 ng
 RT: 13.416 min Scan# 1925
 Delta R.T. 0.000 min
 Lab File: BF140983.D
 Acq: 27 Dec 2024 09:11



Tgt Ion:149 Resp: 1083298
 Ion Ratio Lower Upper
 149 100
 91 75.0 59.5 89.3
 206 21.4 17.1 25.7





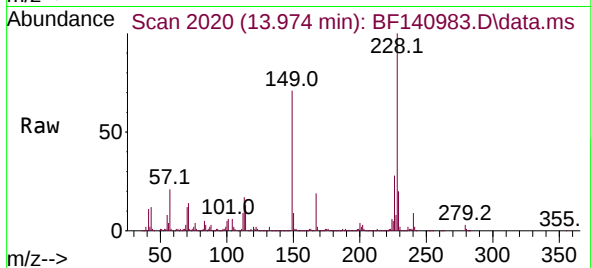
#81
Benzo(a)anthracene
Concen: 45.187 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS



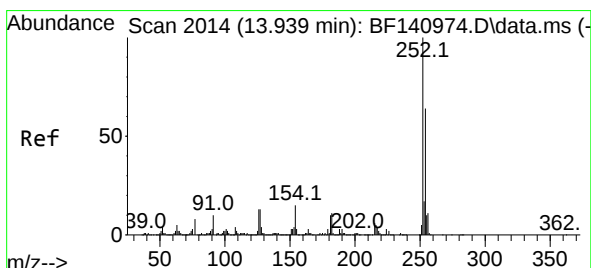
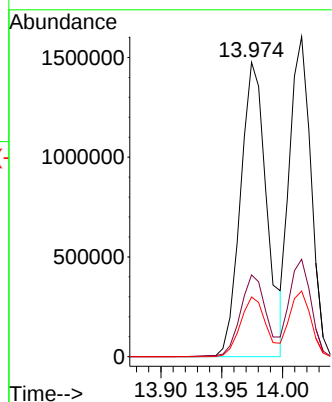
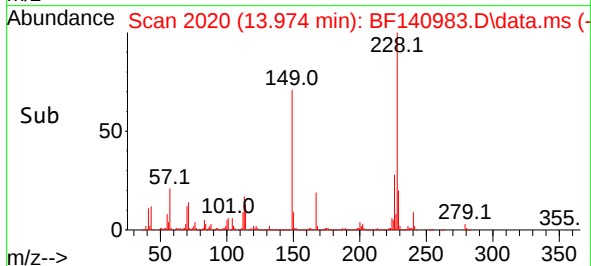
Tgt Ion:228 Resp: 221269
Ion Ratio Lower Upper
228 100
226 27.8 22.1 33.1
229 20.3 16.2 24.2

Manual Integrations

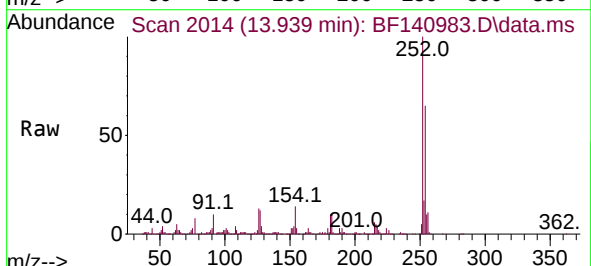
APPROVED

Reviewed By :Yogesh Patel 12/30/2024

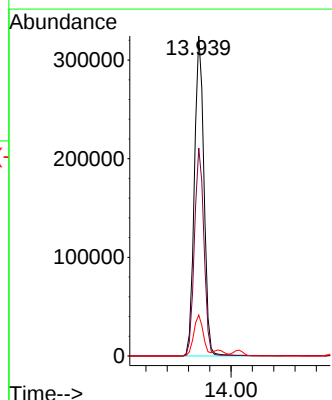
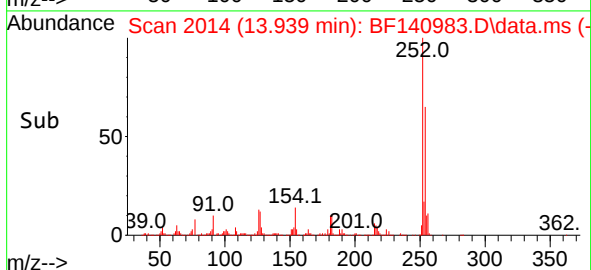
Supervised By :mohammad ahmed 12/30/2024

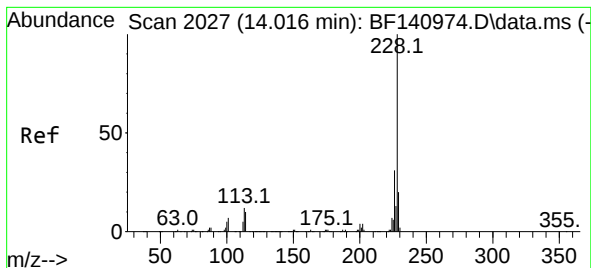


#82
3,3'-Dichlorobenzidine
Concen: 27.560 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11



Tgt Ion:252 Resp: 405461
Ion Ratio Lower Upper
252 100
254 65.0 51.5 77.3
126 12.8 10.3 15.5





#83

Chrysene

Concen: 44.197 ng

RT: 14.016 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF140983.D

Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS

Tgt Ion:228 Resp: 195098

Ion Ratio Lower Upper

228 100

226 30.5 24.5 36.7

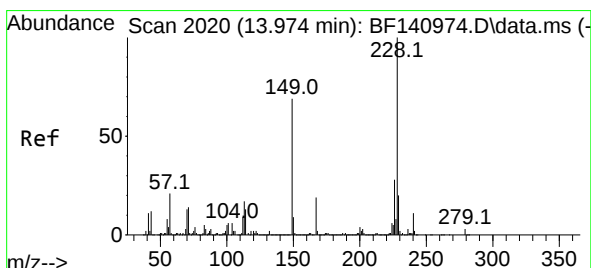
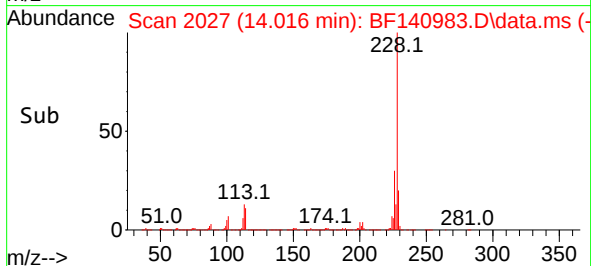
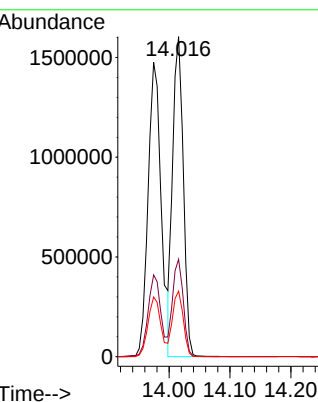
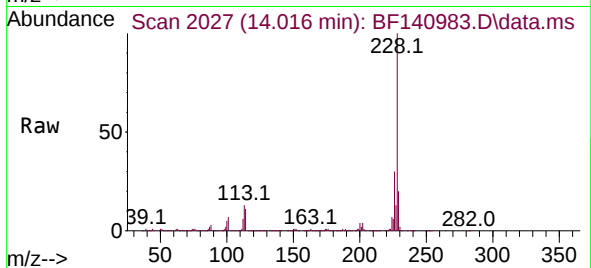
229 20.5 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.873 ng

RT: 13.974 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF140983.D

Acq: 27 Dec 2024 09:11

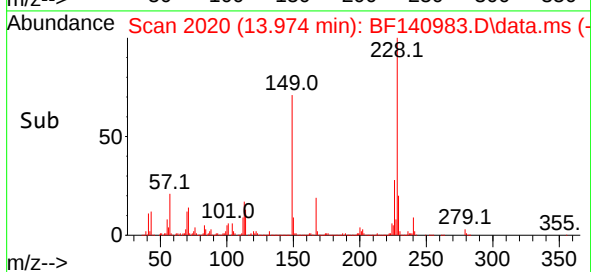
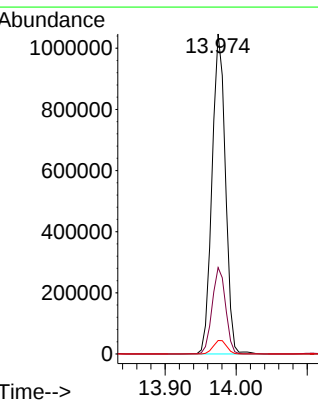
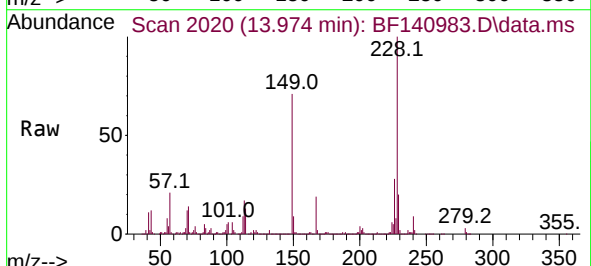
Tgt Ion:149 Resp: 1364261

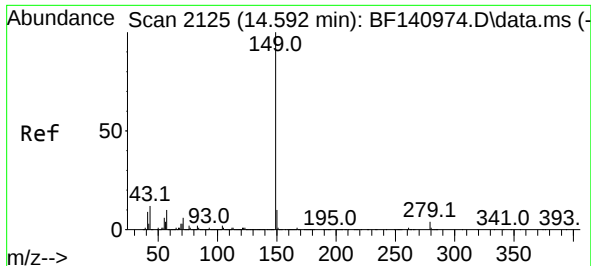
Ion Ratio Lower Upper

149 100

167 27.0 21.6 32.4

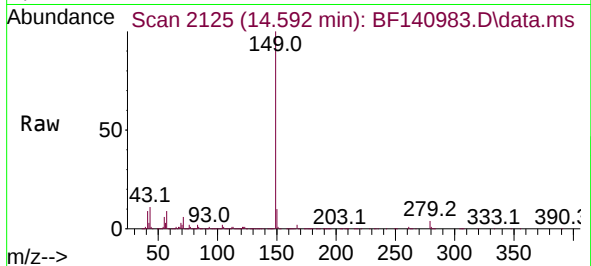
279 4.2 3.2 4.8





#85
Di-n-octyl phthalate
Concen: 49.097 ng
RT: 14.592 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

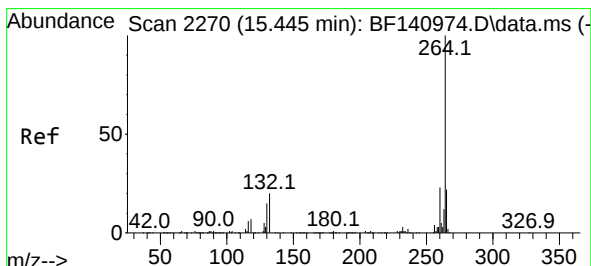
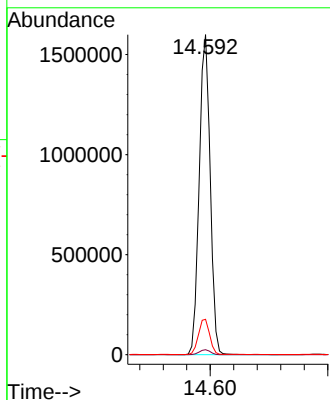
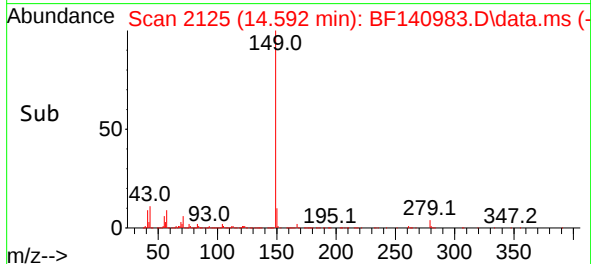
Instrument :
BNA_F
ClientSampleId :
PB165785BS



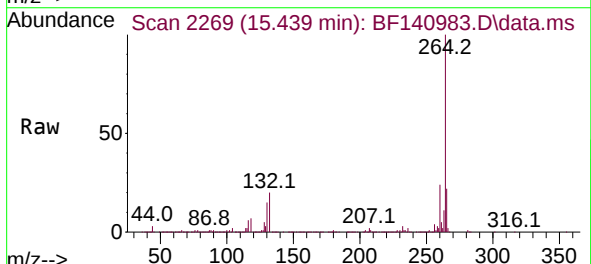
Tgt Ion:149 Resp: 2068227
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.3 9.3 13.9

Manual Integrations
APPROVED

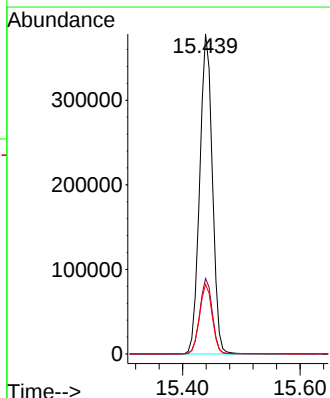
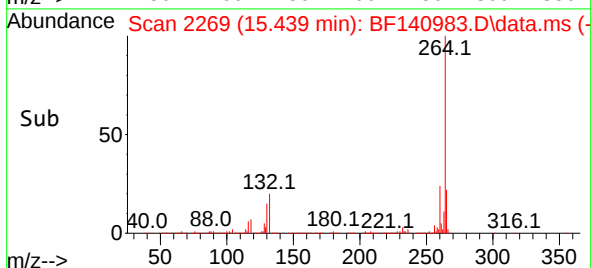
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

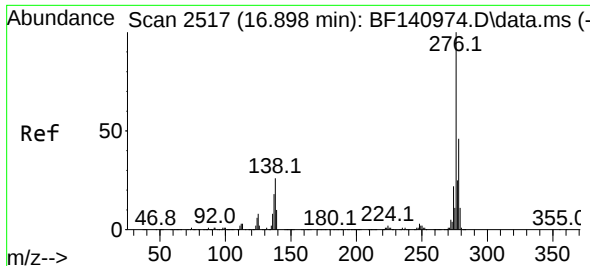


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11



Tgt Ion:264 Resp: 567599
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 21.8 17.4 26.2





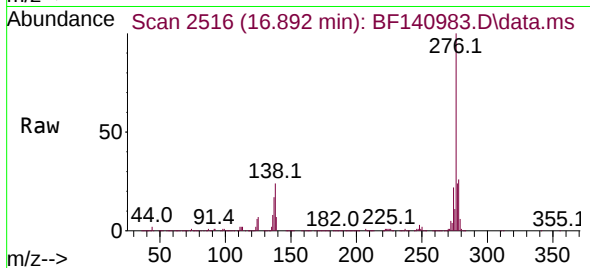
#87
Indeno(1,2,3-cd)pyrene
Concen: 53.368 ng
RT: 16.892 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS

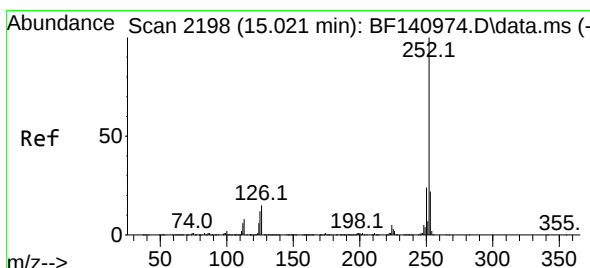
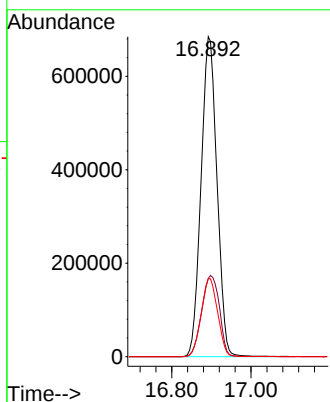
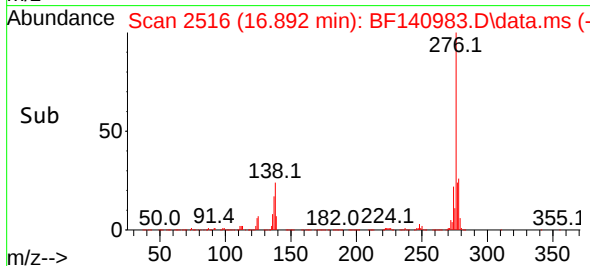


Tgt Ion:276 Resp: 1908430
Ion Ratio Lower Upper
276 100
138 28.2 23.1 34.7
277 25.2 20.4 30.6

Manual Integrations

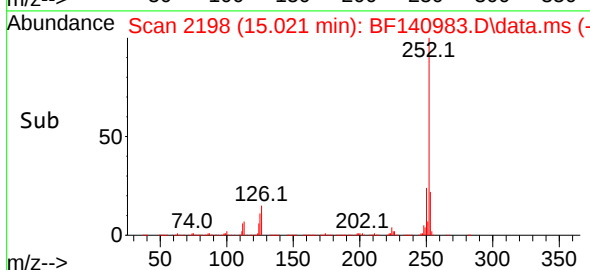
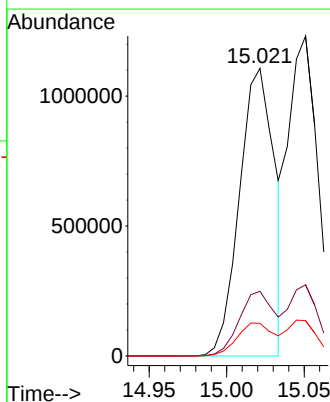
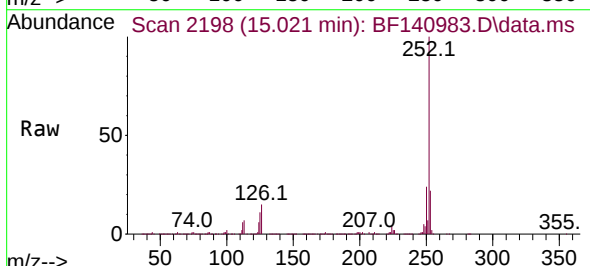
APPROVED

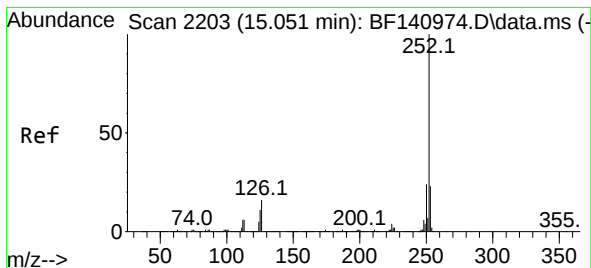
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#88
Benzo(b)fluoranthene
Concen: 43.991 ng
RT: 15.021 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion:252 Resp: 1741466
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 11.3 9.3 13.9





#89

Benzo(k)fluoranthene

Concen: 52.510 ng

RT: 15.051 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140983.D

Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

PB165785BS

Tgt Ion:252 Resp: 1629204

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

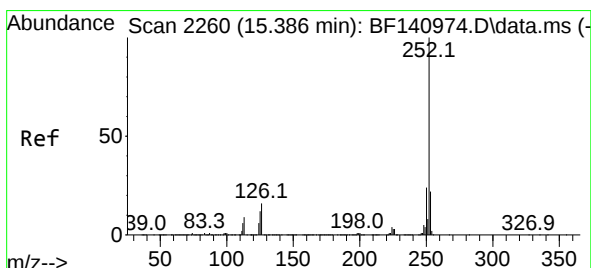
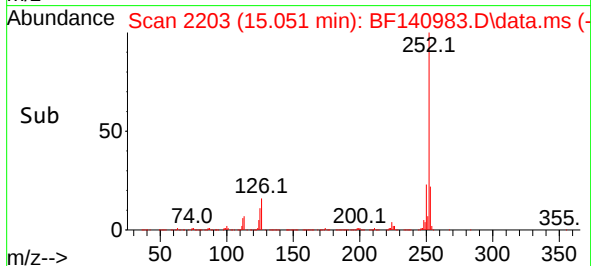
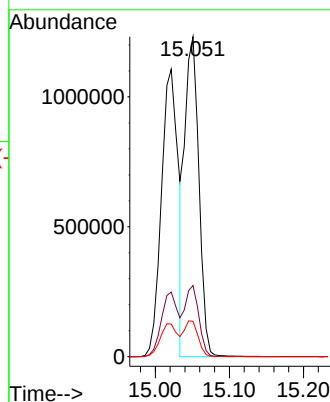
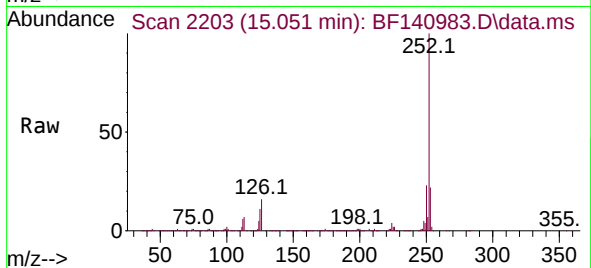
125 11.1 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#90

Benzo(a)pyrene

Concen: 50.141 ng

RT: 15.380 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF140983.D

Acq: 27 Dec 2024 09:11

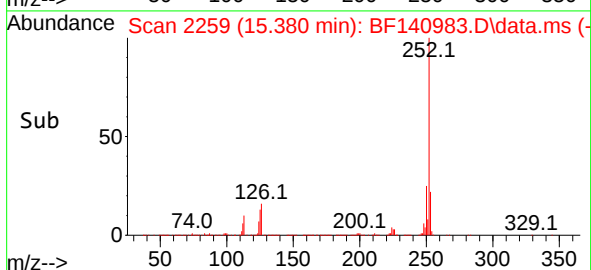
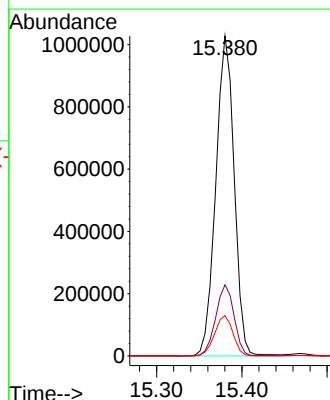
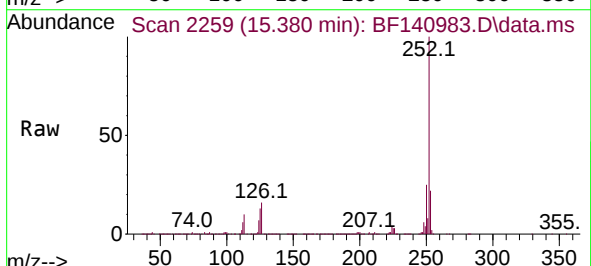
Tgt Ion:252 Resp: 1540646

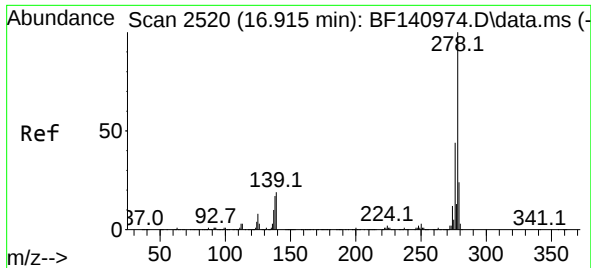
Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

125 12.6 9.8 14.8





#91
Dibenzo(a,h)anthracene
Concen: 52.791 ng
RT: 16.915 min Scan# 2520
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Instrument :

BNA_F

ClientSampleId :

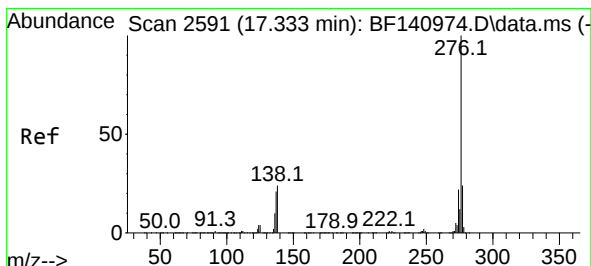
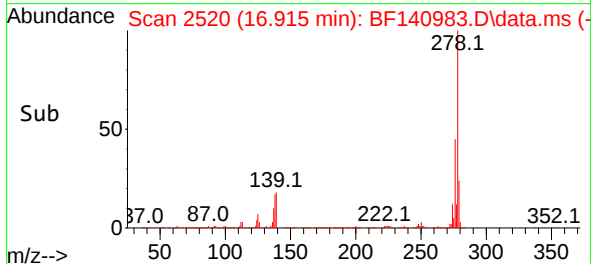
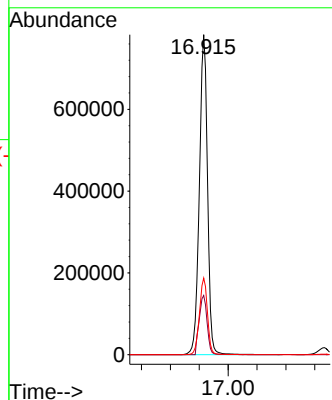
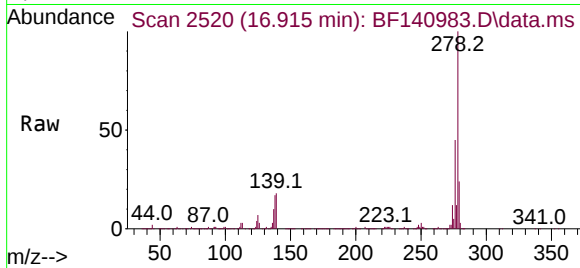
PB165785BS

Tgt Ion:278 Resp: 153027
Ion Ratio Lower Upper
278 100
139 18.5 14.9 22.3
279 23.9 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#92
Benzo(g,h,i)perylene
Concen: 48.367 ng
RT: 17.333 min Scan# 2591
Delta R.T. 0.000 min
Lab File: BF140983.D
Acq: 27 Dec 2024 09:11

Tgt Ion:276 Resp: 1454174
Ion Ratio Lower Upper
276 100
277 23.6 19.0 28.4
138 24.2 19.4 29.2

