

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102723\
 Data File : BF135986.D
 Acq On : 27 Oct 2023 15:59
 Operator : CG\JU
 Sample : 04882-02MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-218MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/28/2023
 Supervised By :mohammad ahmed 10/28/2023

Quant Time: Oct 27 22:31:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	158529	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	636254	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	322905	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	535664	20.000	ng	0.00
76) Chrysene-d12	14.010	240	290106	20.000	ng	0.00
86) Perylene-d12	15.498	264	353553	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	992688	96.694	ng	0.01
7) Phenol-d6	6.463	99	1244723	97.387	ng	0.00
23) Nitrobenzene-d5	7.387	82	709997	73.551	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	333106	117.856	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1334977	66.200	ng	0.00
79) Terphenyl-d14	12.951	244	1112788	64.088	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	189125	39.657	ng	98
3) Pyridine	3.416	79	453831	34.478	ng	99
4) n-Nitrosodimethylamine	3.387	42	235101	40.962	ng	98
6) Aniline	6.487	93	378060	21.967	ng	98
8) 2-Chlorophenol	6.610	128	518020	48.741	ng	99
9) Benzaldehyde	6.375	77	177361	25.653	ng	100
10) Phenol	6.475	94	615062m	46.031	ng	
11) bis(2-Chloroethyl)ether	6.569	93	479968	46.148	ng	100
12) 1,3-Dichlorobenzene	6.769	146	527301	46.710	ng	97
13) 1,4-Dichlorobenzene	6.845	146	531965	46.920	ng	98
14) 1,2-Dichlorobenzene	6.992	146	504141	47.884	ng	98
15) Benzyl Alcohol	6.969	79	413495	45.765	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.104	45	695011	45.376	ng	98
17) 2-Methylphenol	7.081	107	397350	42.420	ng	99
18) Hexachloroethane	7.340	117	191904	49.778	ng	92
19) n-Nitroso-di-n-propyla...	7.245	70	335419	46.149	ng	96
20) 3+4-Methylphenols	7.234	107	496618	43.928	ng	# 81
22) Acetophenone	7.239	105	664594	46.247	ng	# 91
24) Nitrobenzene	7.410	77	499649	47.451	ng	98
25) Isophorone	7.645	82	938943	46.687	ng	100
26) 2-Nitrophenol	7.722	139	253161	60.651	ng	98
27) 2,4-Dimethylphenol	7.763	122	386043	42.117	ng	99
28) bis(2-Chloroethoxy)met...	7.863	93	576268	46.662	ng	98
29) 2,4-Dichlorophenol	7.963	162	416568	50.752	ng	97
30) 1,2,4-Trichlorobenzene	8.045	180	448194	48.227	ng	99
31) Naphthalene	8.128	128	1419657	46.151	ng	100
32) Benzoic acid	7.875	122	315529m	61.214	ng	
33) 4-Chloroaniline	8.175	127	113231	8.328	ng	97
34) Hexachlorobutadiene	8.245	225	251700	48.052	ng	97
35) Caprolactam	8.557	113	141840m	51.929	ng	
36) 4-Chloro-3-methylphenol	8.657	107	436148	50.002	ng	99
37) 2-Methylnaphthalene	8.822	142	897042	44.075	ng	100
38) 1-Methylnaphthalene	8.922	142	878691	46.204	ng	100
40) 1,2,4,5-Tetrachloroben...	8.986	216	436039	47.811	ng	99
41) Hexachlorocyclopentadiene	8.975	237	321245	71.435	ng	98
43) 2,4,6-Trichlorophenol	9.098	196	285989	53.577	ng	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.139	196	306040	48.288	ng	95
46) 1,1'-Biphenyl	9.286	154	1149568	46.984	ng	99
47) 2-Chloronaphthalene	9.310	162	865311	47.813	ng	98
48) 2-Nitroaniline	9.404	65	265593	52.562	ng	99
49) Acenaphthylene	9.728	152	1362011	47.704	ng	99
50) Dimethylphthalate	9.592	163	1003773	47.935	ng	100
51) 2,6-Dinitrotoluene	9.651	165	226810	51.815	ng	90
52) Acenaphthene	9.898	154	894100	48.865	ng	100
53) 3-Nitroaniline	9.816	138	151475	30.950	ng	# 96
54) 2,4-Dinitrophenol	9.922	184	127638	78.660	ng	92
55) Dibenzofuran	10.075	168	1201526	45.455	ng	99
56) 4-Nitrophenol	9.980	139	366492	86.235	ng	98
57) 2,4-Dinitrotoluene	10.057	165	292524	53.655	ng	94
58) Fluorene	10.416	166	884651	44.733	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.186	232	256677	53.821	ng	99
60) Diethylphthalate	10.298	149	954622	47.807	ng	98
61) 4-Chlorophenyl-phenyle...	10.410	204	436403	45.747	ng	98
62) 4-Nitroaniline	10.433	138	209550	41.444	ng	95
63) Azobenzene	10.575	77	912205	45.015	ng	95
65) 4,6-Dinitro-2-methylph...	10.457	198	96091	52.743	ng	97
66) n-Nitrosodiphenylamine	10.533	169	821678	50.776	ng	100
67) 4-Bromophenyl-phenylether	10.904	248	284714	51.900	ng	94
68) Hexachlorobenzene	10.963	284	313998	53.582	ng	93
69) Atrazine	11.063	200	272769	61.832	ng	99
70) Pentachlorophenol	11.157	266	325402	87.179	ng	98
71) Phenanthrene	11.380	178	1366708	50.431	ng	99
72) Anthracene	11.433	178	1299110	46.816	ng	100
73) Carbazole	11.586	167	1089386	44.009	ng	99
74) Di-n-butylphthalate	11.927	149	1346230	51.109	ng	100
75) Fluoranthene	12.574	202	1163335	40.803	ng	100
77) Benzidine	12.698	184	220032	39.334	ng	99
78) Pyrene	12.804	202	1150119	47.216	ng	99
80) Butylbenzylphthalate	13.439	149	396235	43.438	ng	98
81) Benzo(a)anthracene	13.998	228	965997	48.972	ng	100
82) 3,3'-Dichlorobenzidine	13.968	252	219487	36.574	ng	99
83) Chrysene	14.039	228	928698	48.340	ng	99
84) Bis(2-ethylhexyl)phtha...	14.004	149	478092	47.731	ng	100
85) Di-n-octyl phthalate	14.627	149	967099	61.291	ng	98
87) Indeno(1,2,3-cd)pyrene	17.004	276	763789	38.099	ng	99
88) Benzo(b)fluoranthene	15.063	252	1036723	49.272	ng	99
89) Benzo(k)fluoranthene	15.092	252	965618	46.728	ng	99
90) Benzo(a)pyrene	15.433	252	892283	46.013	ng	99
91) Dibenzo(a,h)anthracene	17.033	278	630003	36.739	ng	98
92) Benzo(g,h,i)perylene	17.462	276	558009	30.138	ng	99

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

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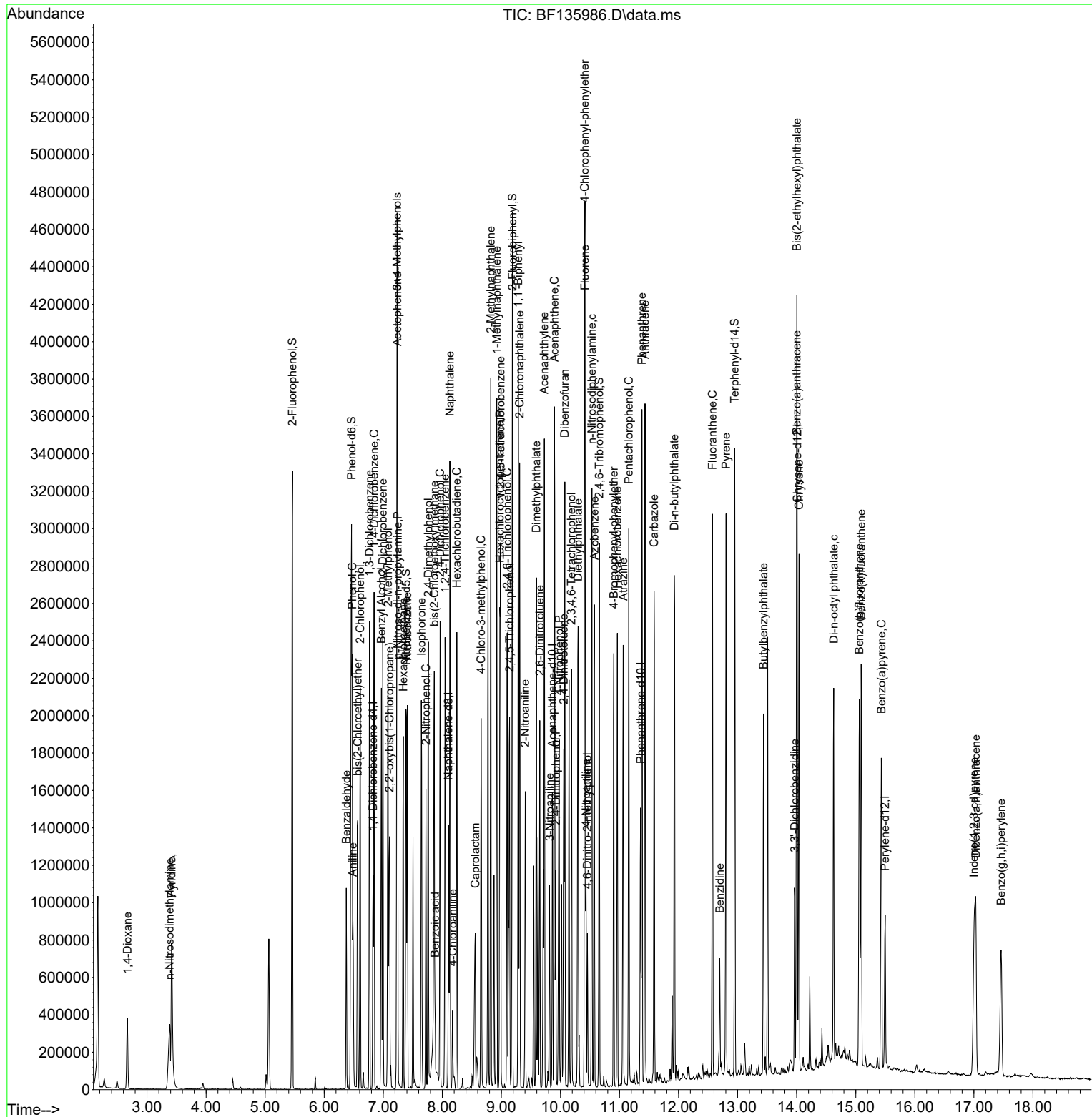
Quant Time: Oct 27 22:31:54 2023

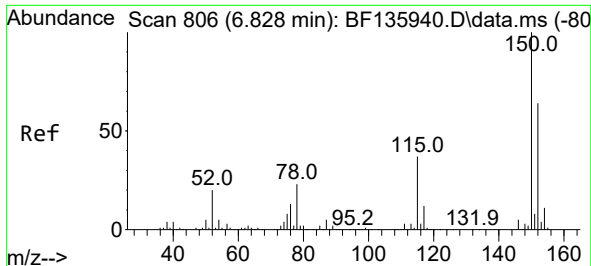
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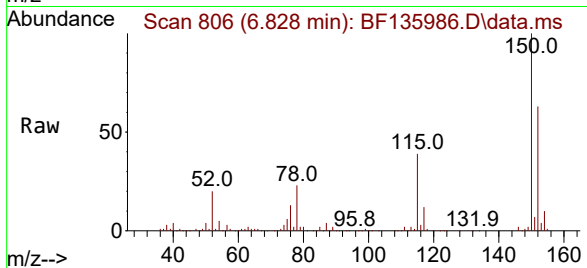
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF135986.D
 Acq: 27 Oct 2023 15:59

Instrument :

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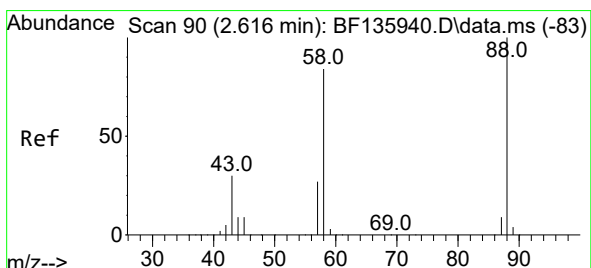
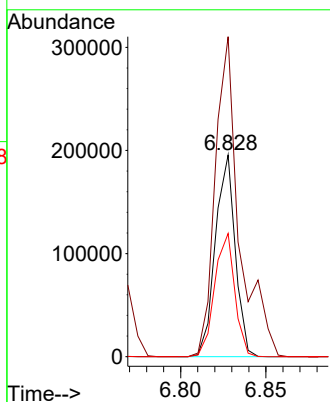
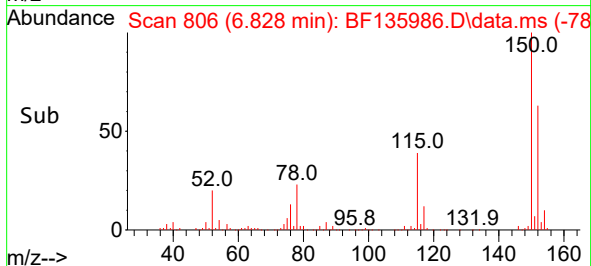


Tgt Ion:152 Resp: 158529
 Ion Ratio Lower Upper
 152 100
 150 158.6 124.6 186.8
 115 61.1 46.6 69.8

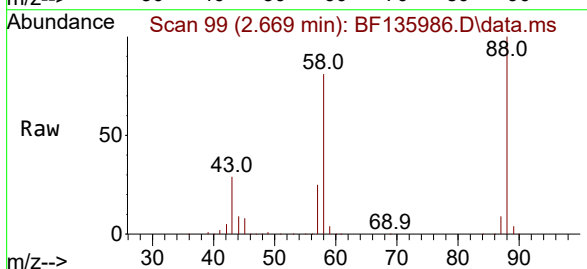
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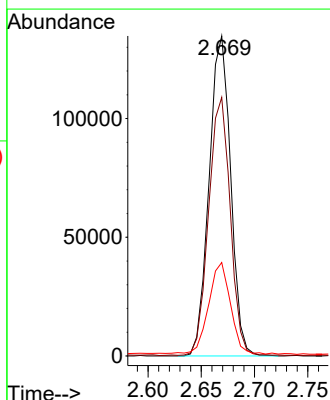
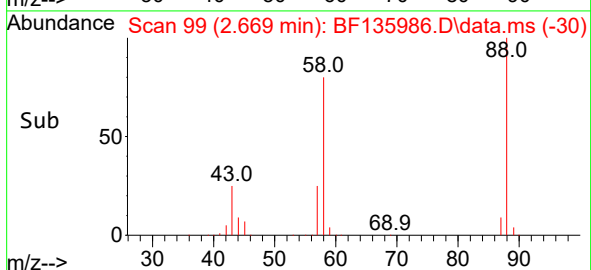
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 Supervised By :mohammad ahmed 10/28/2023

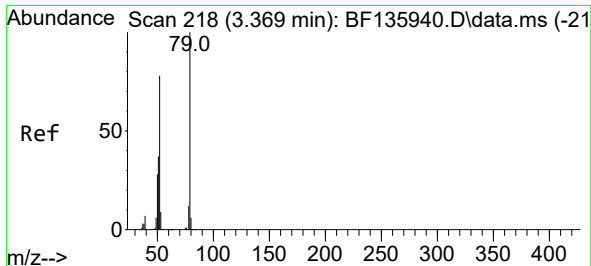


#2
 1,4-Dioxane
 Concen: 39.657 ng
 RT: 2.669 min Scan# 99
 Delta R.T. 0.053 min
 Lab File: BF135986.D
 Acq: 27 Oct 2023 15:59



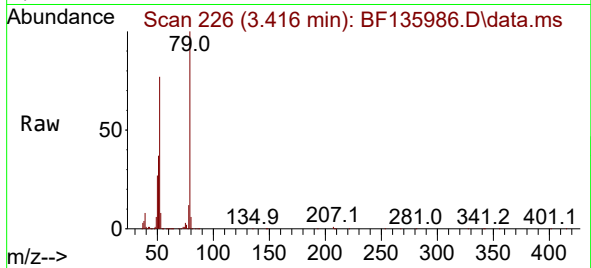
Tgt Ion: 88 Resp: 189125
 Ion Ratio Lower Upper
 88 100
 58 80.9 66.6 100.0
 43 29.6 23.8 35.8





#3
Pyridine
Concen: 34.478 ng
RT: 3.416 min Scan# 218
Delta R.T. 0.047 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

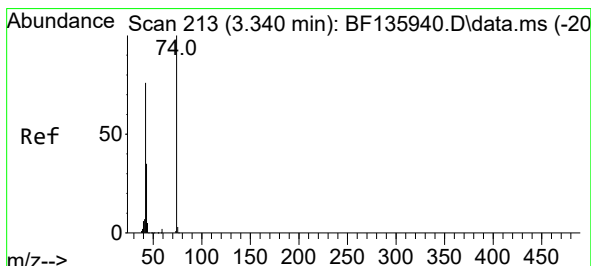
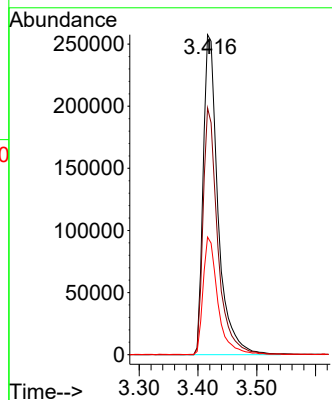
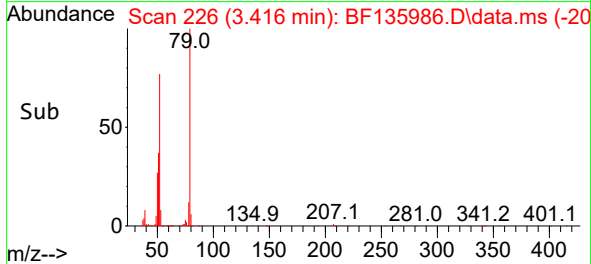
Instrument :
BNA_F
ClientSampleId :
VNJ-218MSD



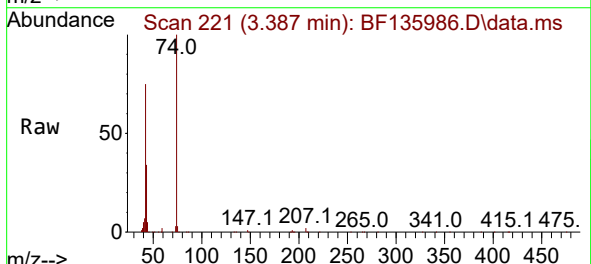
Tgt Ion: 79 Resp: 45383
Ion Ratio Lower Upper
79 100
52 77.1 62.6 93.8
51 36.8 29.8 44.8

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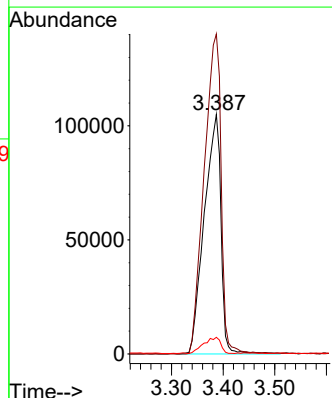
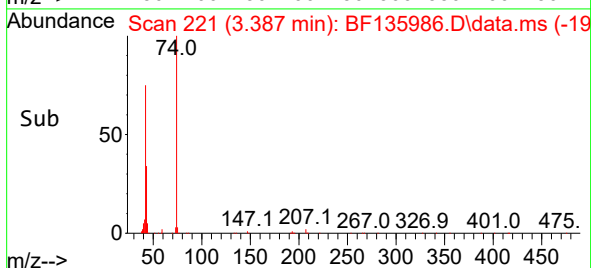
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

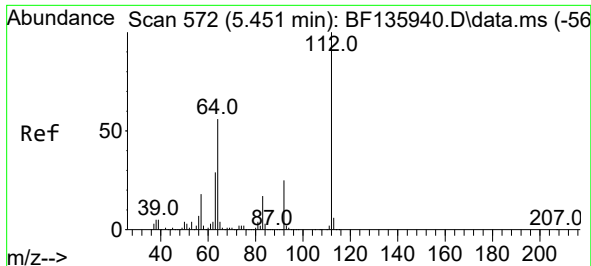


#4
n-Nitrosodimethylamine
Concen: 40.962 ng
RT: 3.387 min Scan# 221
Delta R.T. 0.047 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59



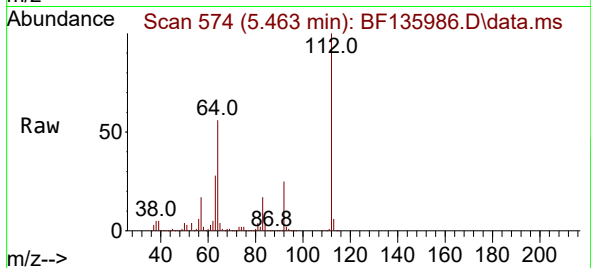
Tgt Ion: 42 Resp: 235101
Ion Ratio Lower Upper
42 100
74 133.6 104.8 157.2
44 7.0 5.9 8.9





#5
2-Fluorophenol
Concen: 96.694 ng
RT: 5.463 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

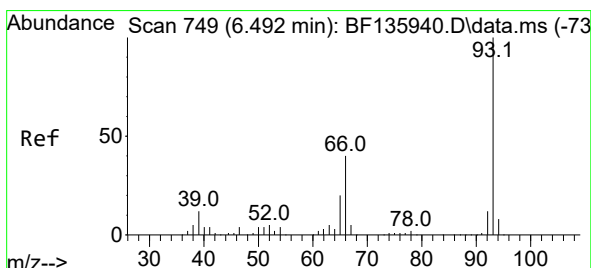
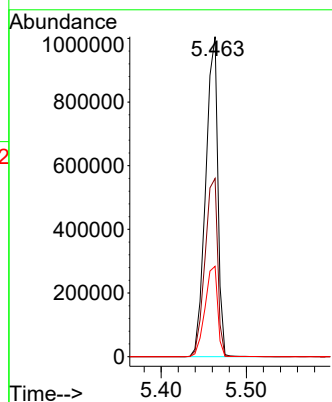
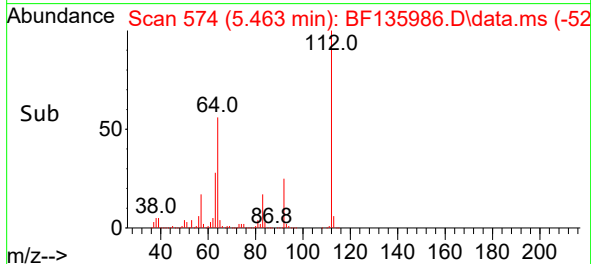
Instrument :
BNA_F
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Tgt Ion:112 Resp: 992688
Ion Ratio Lower Upper
112 100
64 55.7 45.1 67.7
63 28.2 23.0 34.4

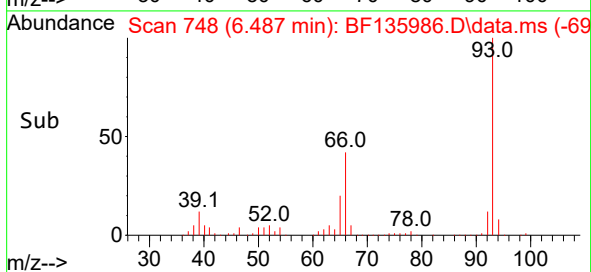
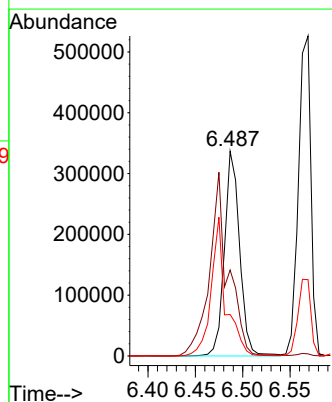
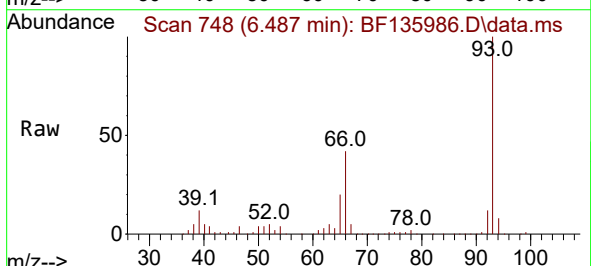
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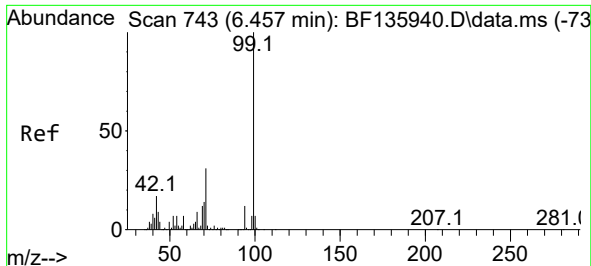
Reviewed By :Yogesh Patel 10/28/2023
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#6
Aniline
Concen: 21.967 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Tgt Ion: 93 Resp: 378060
Ion Ratio Lower Upper
93 100
66 42.0 32.0 48.0
65 20.2 16.2 24.4





#7

Phenol-d6

Concen: 97.387 ng

RT: 6.463 min Scan# 743

Delta R.T. 0.006 min

Lab File: BF135986.D

Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

VNJ-218MSD

Tgt Ion: 99 Resp: 124472

Ion Ratio Lower Upper

99 100

42 16.6 13.8 20.8

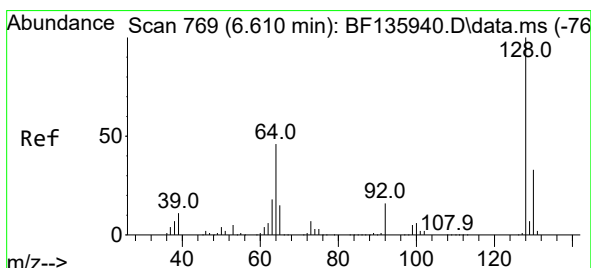
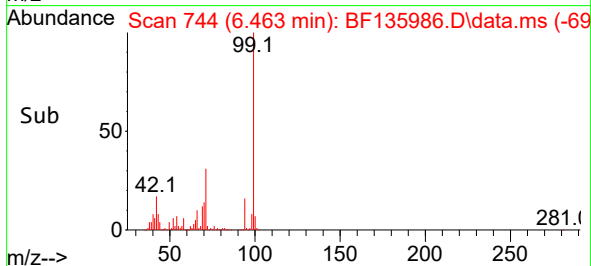
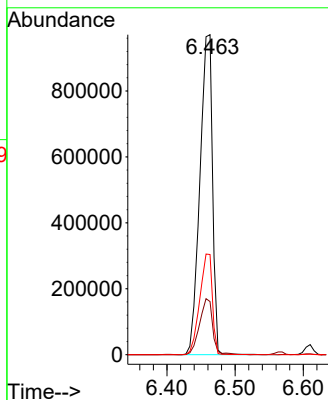
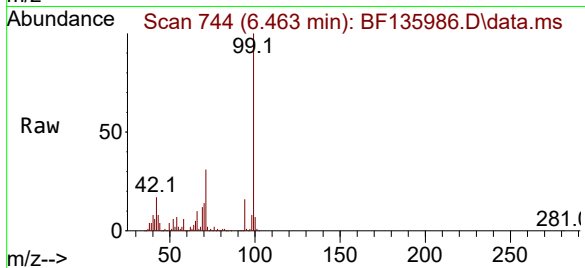
71 31.3 25.1 37.7

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#8

2-Chlorophenol

Concen: 48.741 ng

RT: 6.610 min Scan# 769

Delta R.T. 0.000 min

Lab File: BF135986.D

Acq: 27 Oct 2023 15:59

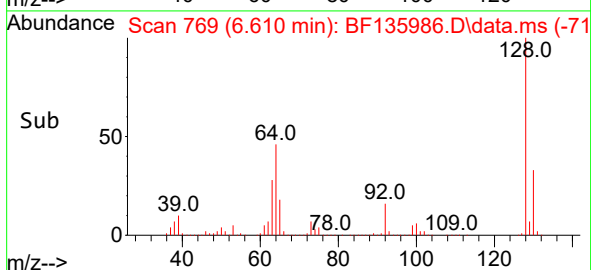
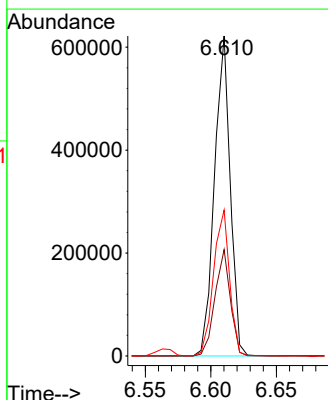
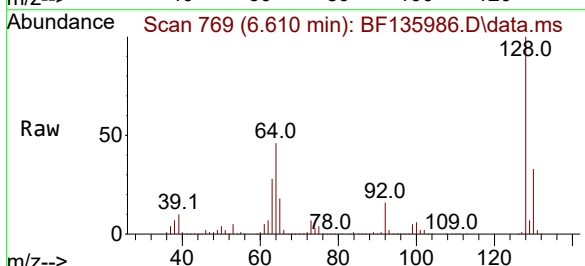
Tgt Ion:128 Resp: 518020

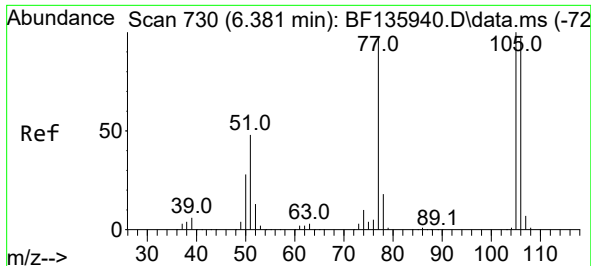
Ion Ratio Lower Upper

128 100

130 33.3 13.1 53.1

64 45.6 27.0 67.0





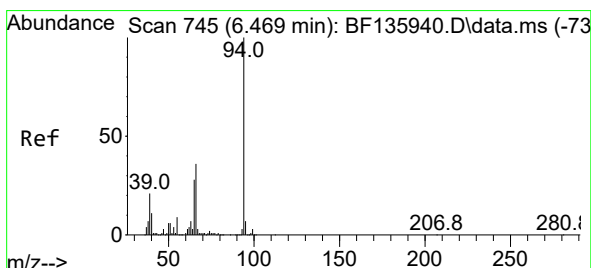
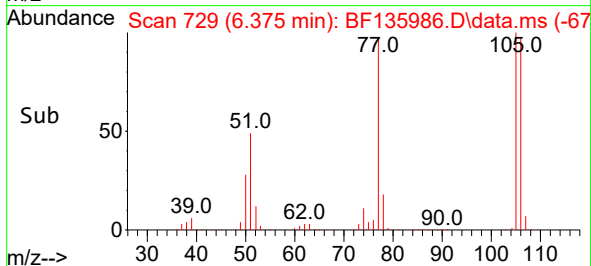
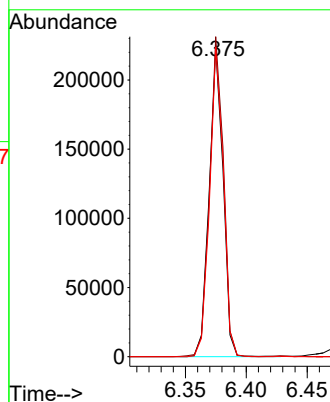
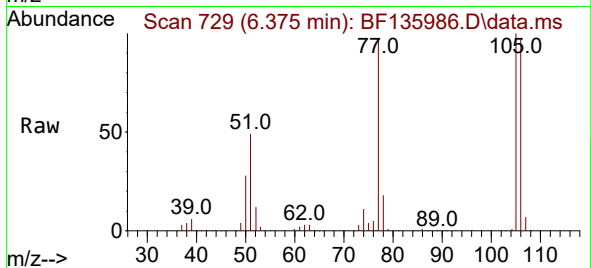
#9
Benzaldehyde
Concen: 25.653 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.006 min
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Tgt Ion: 77 Resp: 17736
Ion Ratio Lower Upper
77 100
105 103.6 83.2 123.2
106 100.2 80.0 120.0

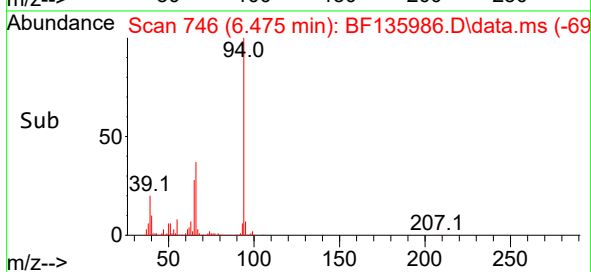
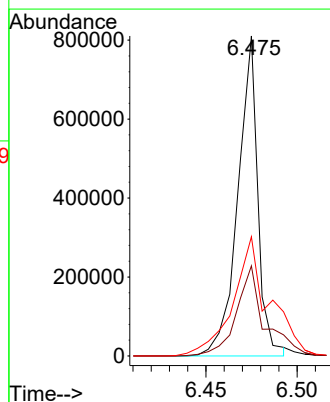
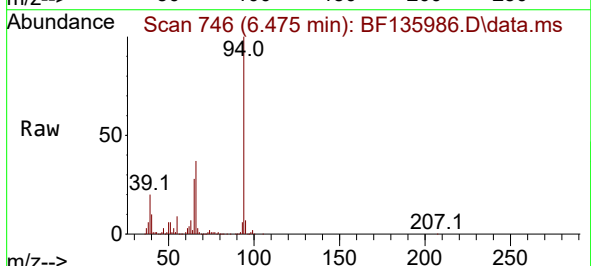
Manual Integrations
APPROVED

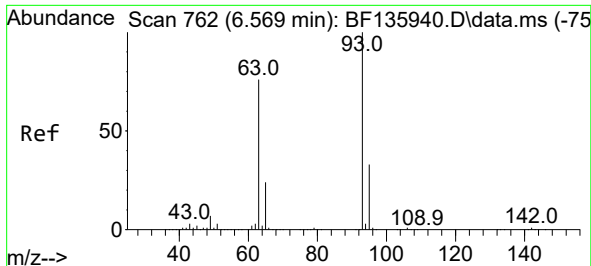
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#10
Phenol
Concen: 46.031 ng m
RT: 6.475 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

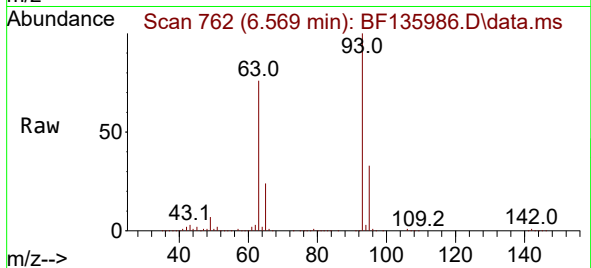
Tgt Ion: 94 Resp: 615062
Ion Ratio Lower Upper
94 100
65 28.1 7.8 47.8
66 37.3 16.5 56.5





#11
bis(2-Chloroethyl)ether
Concen: 46.148 ng
RT: 6.569 min Scan# 762
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

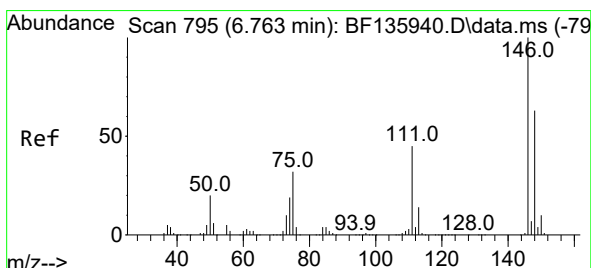
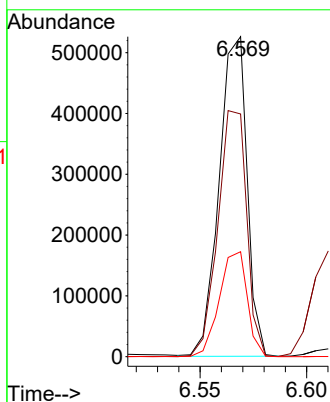
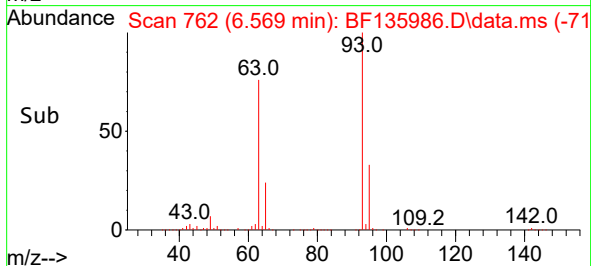
Instrument :
BNA_F
ClientSampleId :
VNJ-218MSD



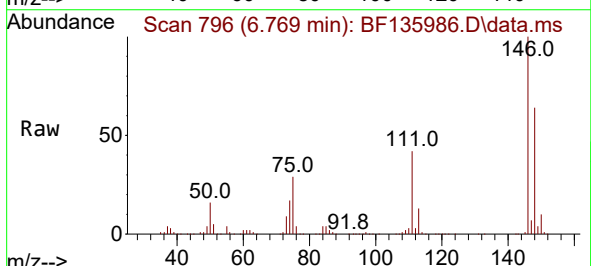
Tgt Ion: 93 Resp: 479968
Ion Ratio Lower Upper
93 100
63 75.9 56.2 96.2
95 32.8 12.9 52.9

Manual Integrations
APPROVED

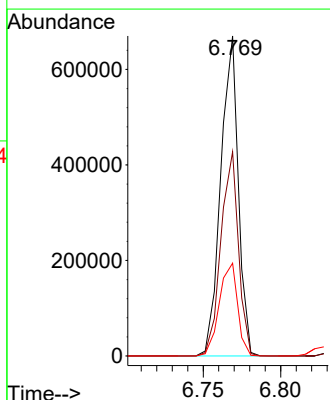
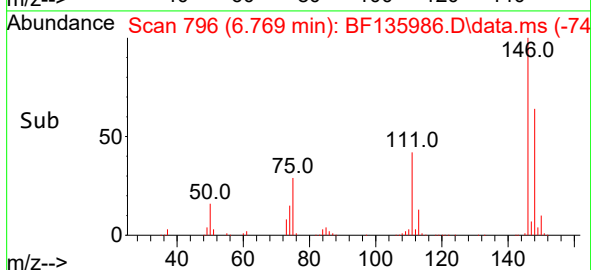
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

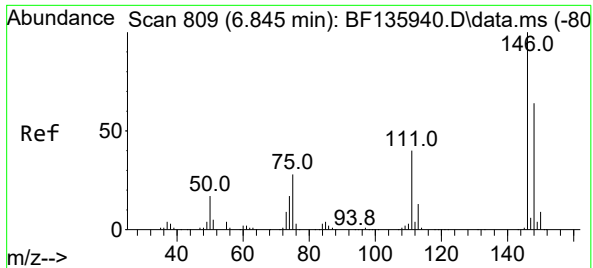


#12
1,3-Dichlorobenzene
Concen: 46.710 ng
RT: 6.769 min Scan# 796
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59



Tgt Ion:146 Resp: 527301
Ion Ratio Lower Upper
146 100
148 63.8 50.2 75.4
75 29.0 25.9 38.9





#13

1,4-Dichlorobenzene

Concen: 46.920 ng

RT: 6.845 min Scan# 809

Delta R.T. 0.000 min

Lab File: BF135986.D

Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

VNJ-218MSD

Tgt Ion:146 Resp: 53196

Ion Ratio Lower Upper

146 100

148 64.3 51.4 77.2

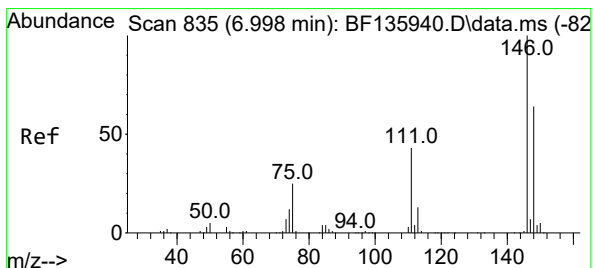
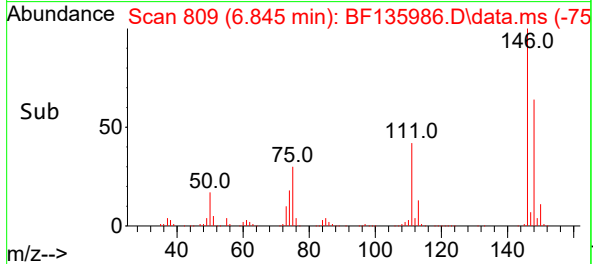
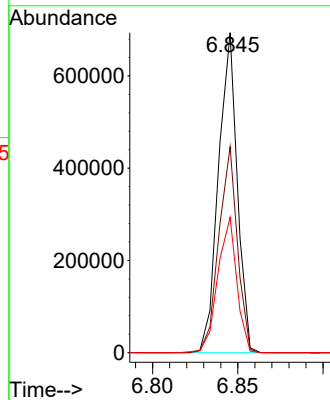
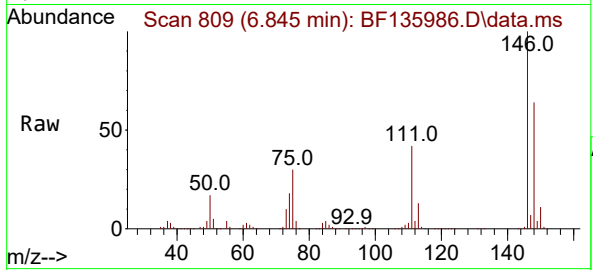
111 42.3 31.8 47.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#14

1,2-Dichlorobenzene

Concen: 47.884 ng

RT: 6.992 min Scan# 834

Delta R.T. -0.006 min

Lab File: BF135986.D

Acq: 27 Oct 2023 15:59

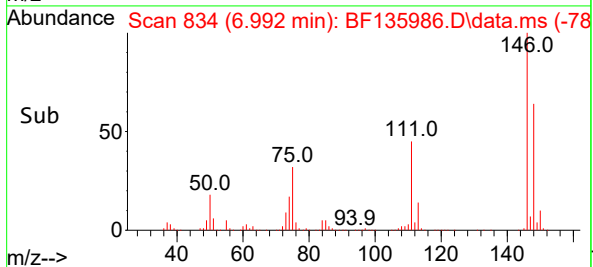
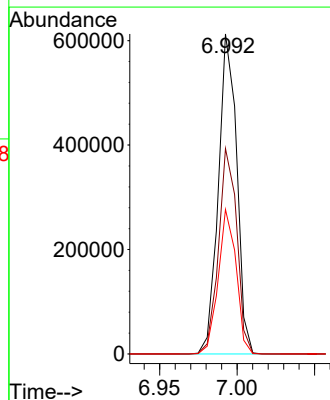
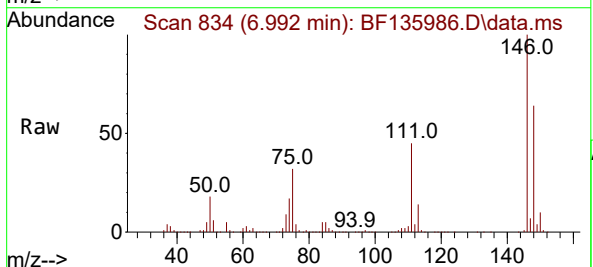
Tgt Ion:146 Resp: 504141

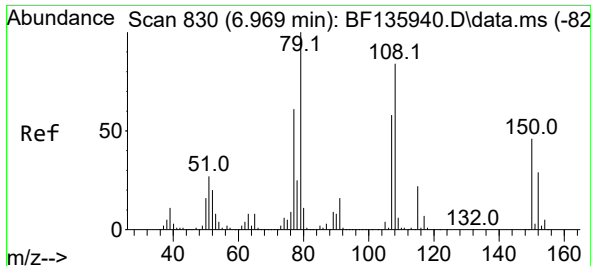
Ion Ratio Lower Upper

146 100

148 64.2 51.4 77.0

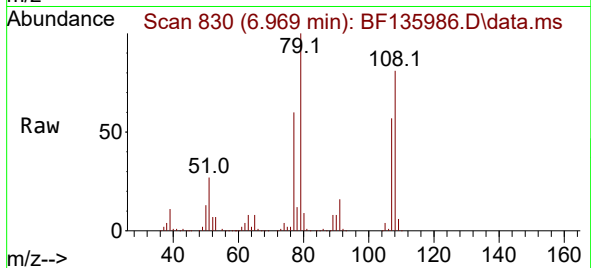
111 45.2 34.2 51.4





#15
Benzyl Alcohol
Concen: 45.765 ng
RT: 6.969 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

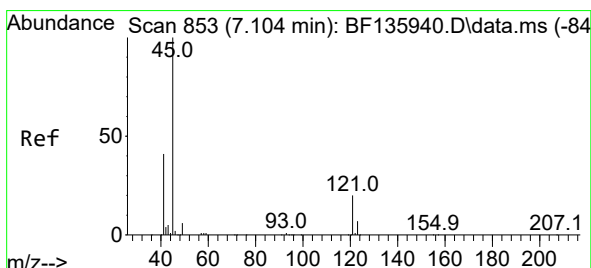
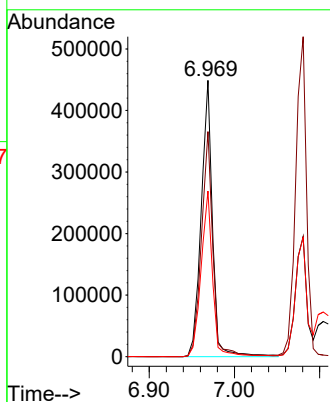
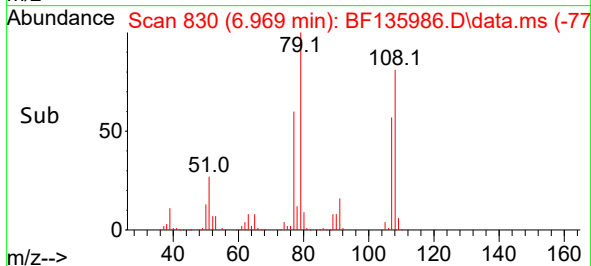
Instrument :
BNA_F
ClientSampleId :
VNJ-218MSD



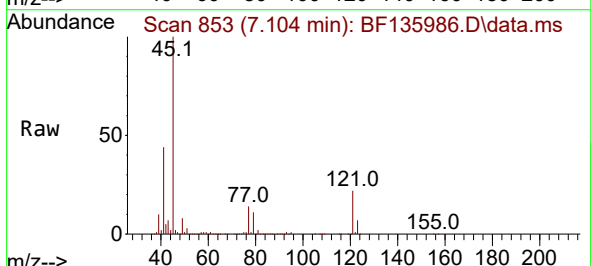
Tgt Ion: 79 Resp: 41349
Ion Ratio Lower Upper
79 100
108 81.5 67.2 100.8
77 59.9 49.0 73.6

Manual Integrations
APPROVED

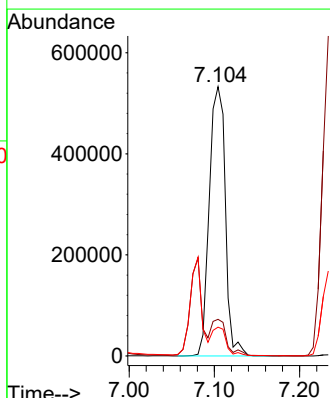
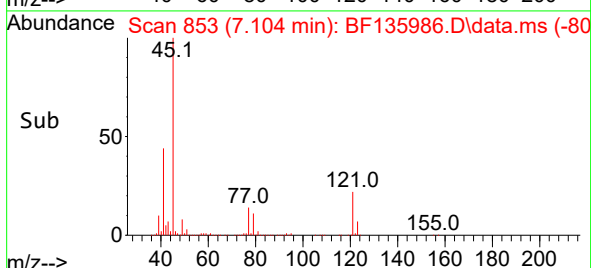
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

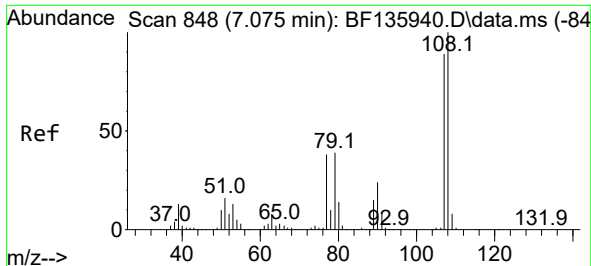


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.376 ng
RT: 7.104 min Scan# 853
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59



Tgt Ion: 45 Resp: 695011
Ion Ratio Lower Upper
45 100
77 13.6 0.0 33.2
79 10.7 0.0 29.8





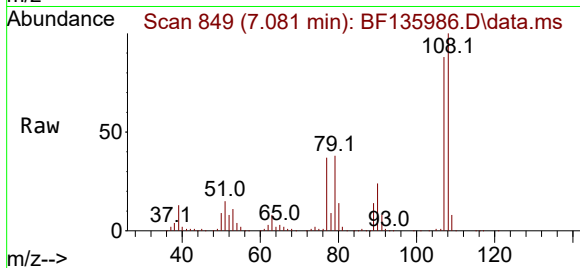
#17
2-Methylphenol
Concen: 42.420 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

VNJ-218MSD

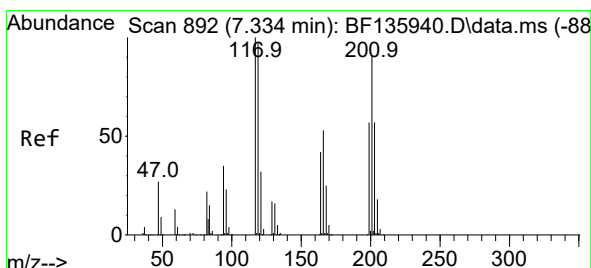
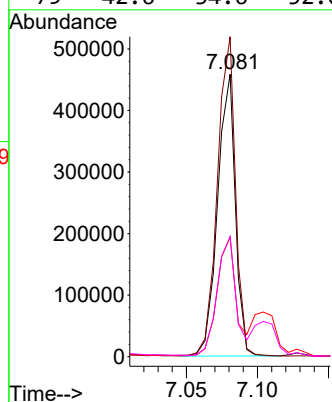
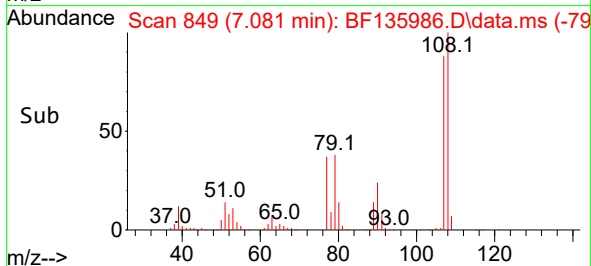


Tgt Ion:107 Resp: 397350
Ion Ratio Lower Upper
107 100
108 113.3 89.8 134.6
77 42.2 34.2 51.2
79 42.6 34.6 52.0

Manual Integrations

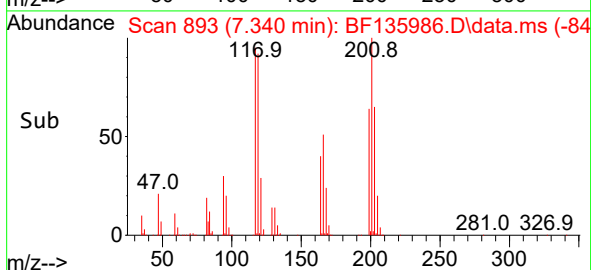
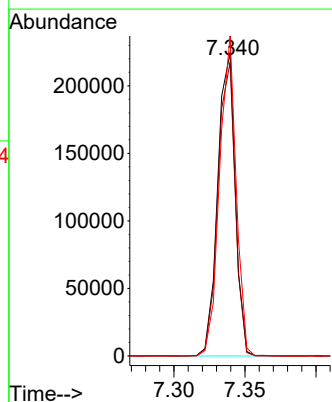
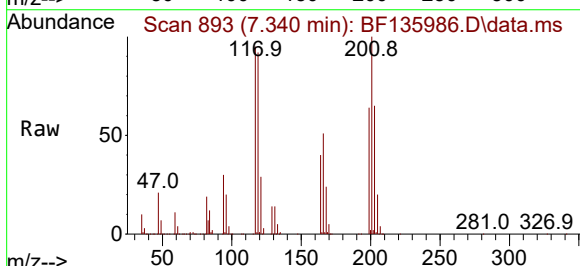
APPROVED

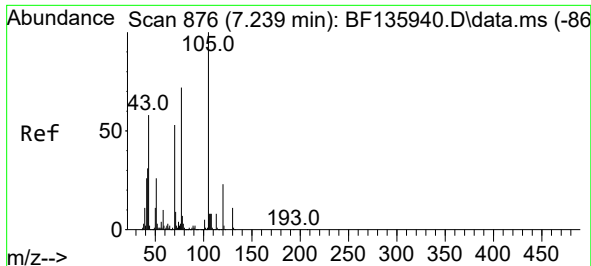
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#18
Hexachloroethane
Concen: 49.778 ng
RT: 7.340 min Scan# 893
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Tgt Ion:117 Resp: 191904
Ion Ratio Lower Upper
117 100
119 96.8 77.3 115.9
201 105.5 72.8 109.2





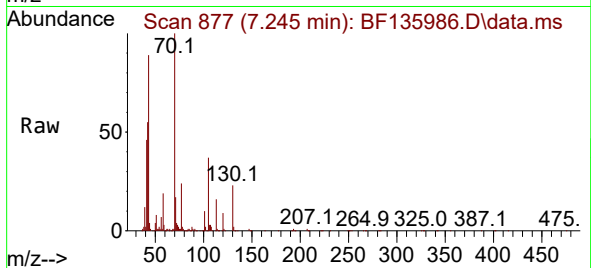
#19
n-Nitroso-di-n-propylamine
Concen: 46.149 ng
RT: 7.245 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

VNJ-218MSD

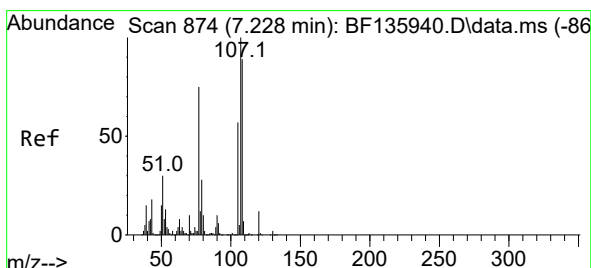
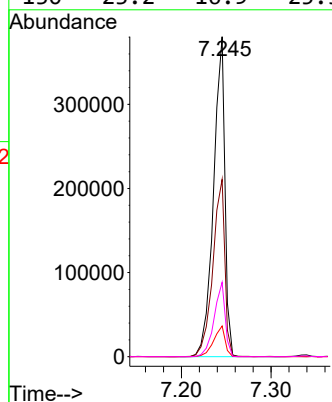
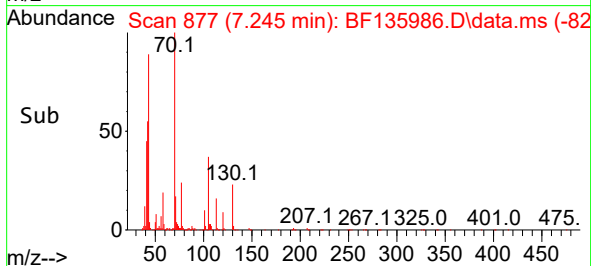


Tgt Ion: 70 Resp: 335419
Ion Ratio Lower Upper
70 100
42 55.4 47.3 70.9
101 9.6 7.8 11.8
130 23.2 16.9 25.3

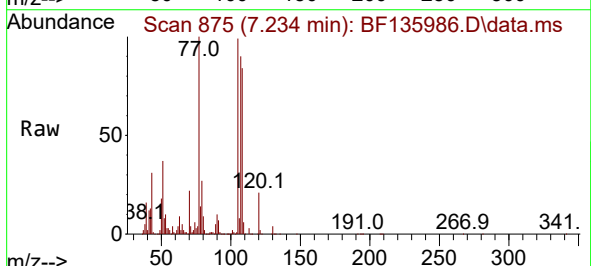
Manual Integrations

APPROVED

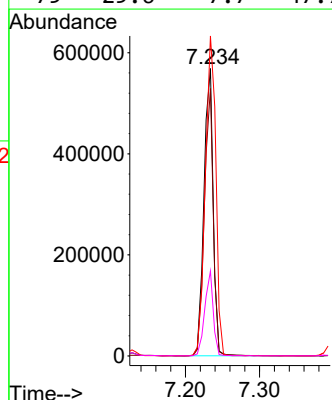
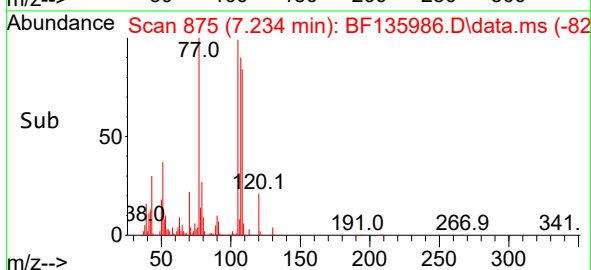
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

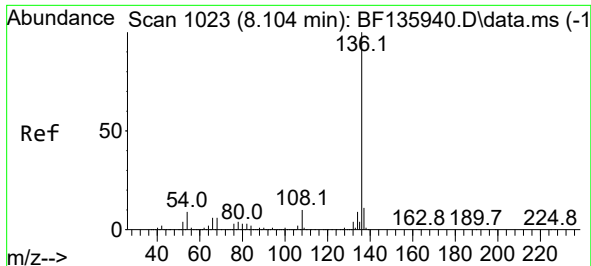


#20
3+4-Methylphenols
Concen: 43.928 ng
RT: 7.234 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59



Tgt Ion:107 Resp: 496618
Ion Ratio Lower Upper
107 100
108 93.1 69.1 109.1
77 111.4 55.0 95.0#
79 29.6 7.7 47.7





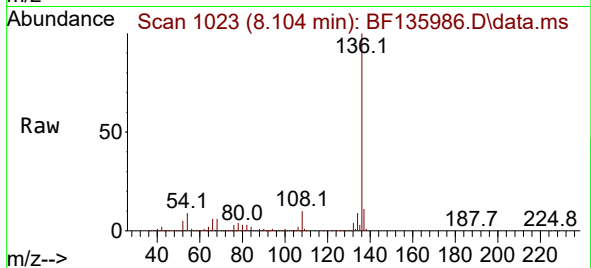
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

VNJ-218MSD

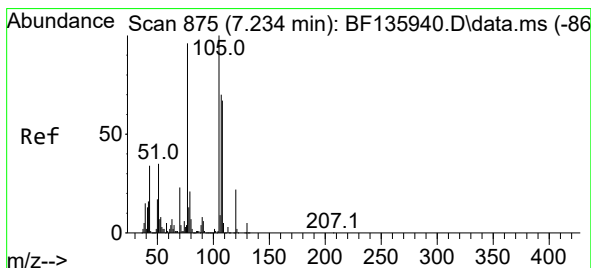
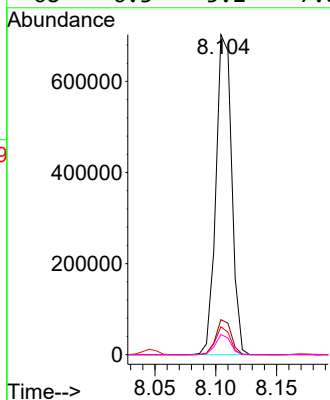
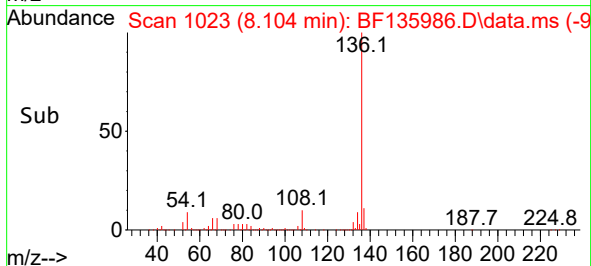


Tgt Ion:136 Resp: 636254
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 8.7 7.1 10.7
68 6.3 5.2 7.8

Manual Integrations

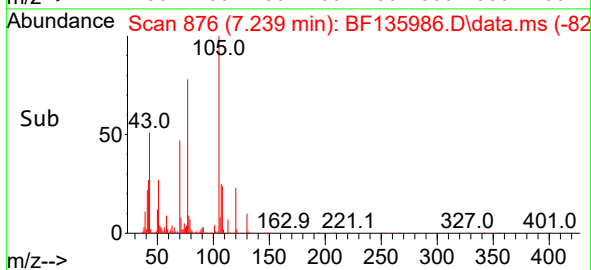
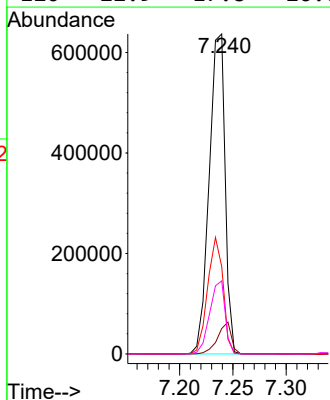
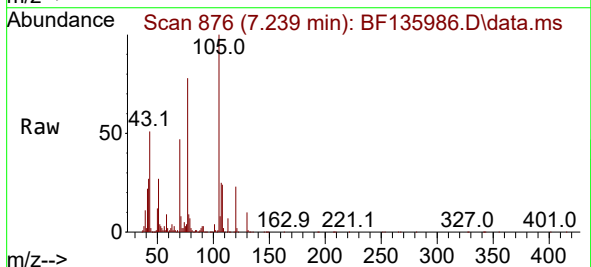
APPROVED

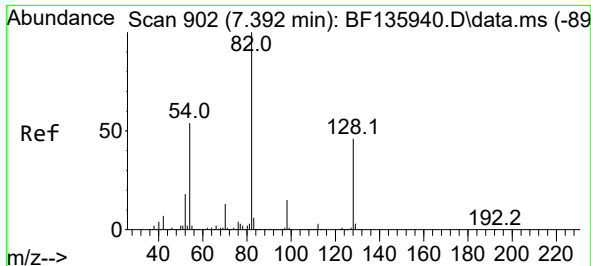
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#22
Acetophenone
Concen: 46.247 ng
RT: 7.239 min Scan# 876
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Tgt Ion:105 Resp: 664594
Ion Ratio Lower Upper
105 100
71 8.0 3.4 5.2#
51 27.3 28.4 42.6#
120 22.9 17.8 26.6





#23
Nitrobenzene-d5
Concen: 73.551 ng
RT: 7.387 min Scan# 901
Delta R.T. -0.005 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

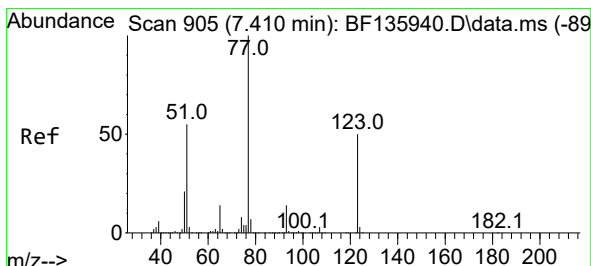
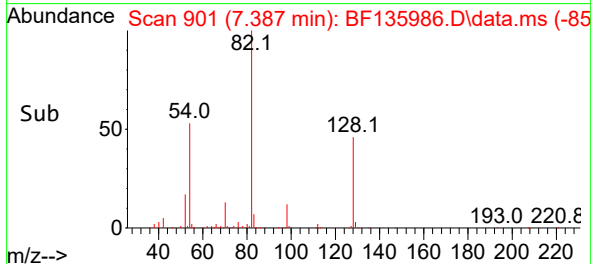
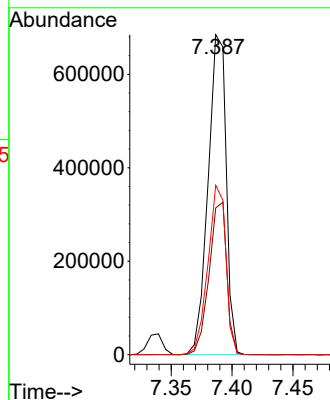
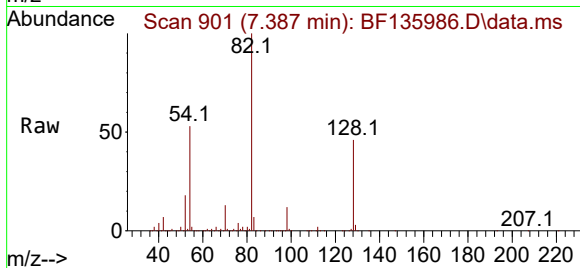
ClientSampleId :

VNJ-218MSD

Tgt Ion: 82 Resp: 709997
Ion Ratio Lower Upper
82 100
128 45.8 36.8 55.2
54 52.9 43.4 65.0

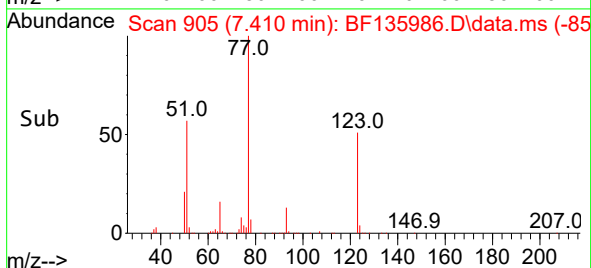
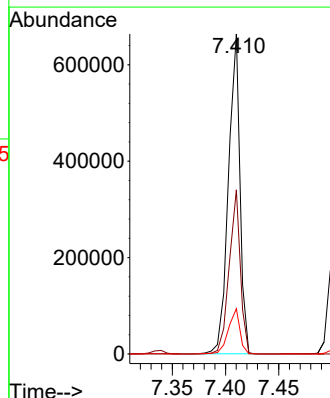
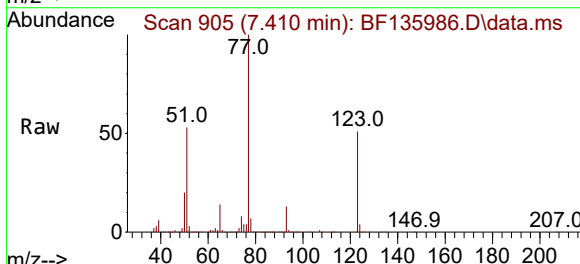
Manual Integrations
APPROVED

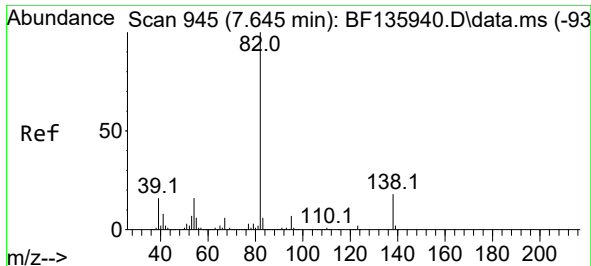
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#24
Nitrobenzene
Concen: 47.451 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Tgt Ion: 77 Resp: 499649
Ion Ratio Lower Upper
77 100
123 51.3 40.2 60.2
65 14.2 11.0 16.4





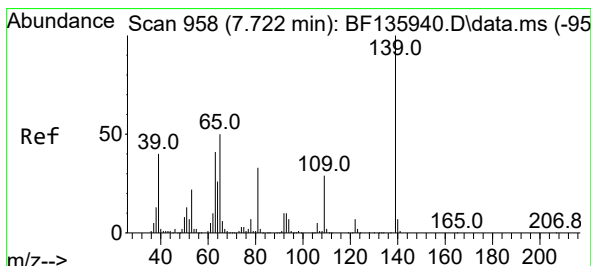
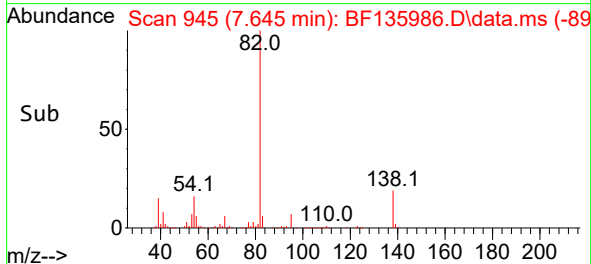
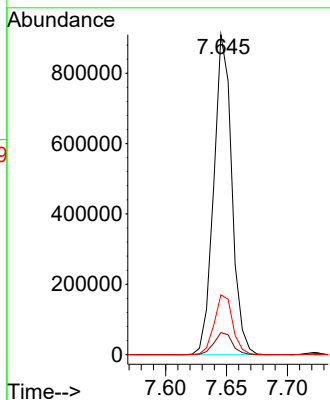
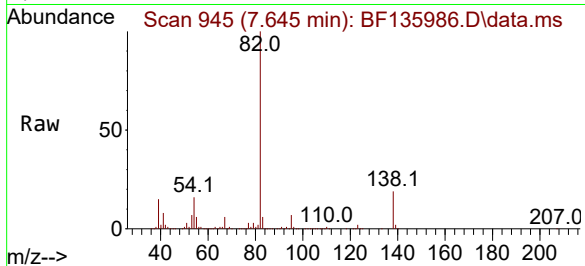
#25
Isophorone
Concen: 46.687 ng
RT: 7.645 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Instrument :
BNA_F
ClientSampleId :
VNJ-218MSD

Tgt Ion: 82 Resp: 93894
Ion Ratio Lower Upper
82 100
95 6.9 5.6 8.4
138 18.7 14.8 22.2

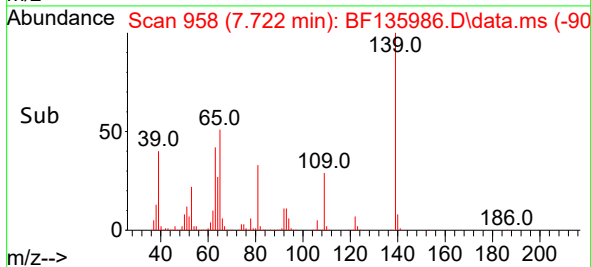
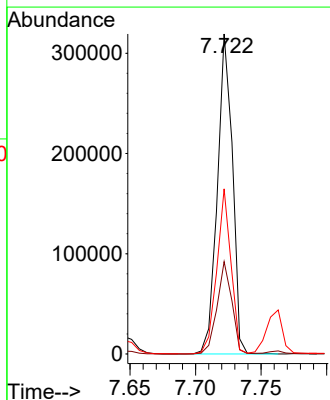
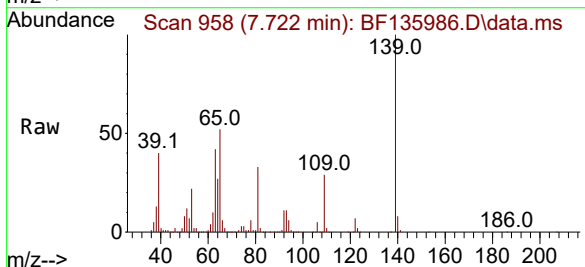
Manual Integrations
APPROVED

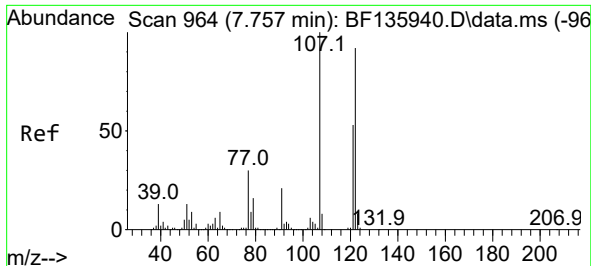
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#26
2-Nitrophenol
Concen: 60.651 ng
RT: 7.722 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Tgt Ion:139 Resp: 253161
Ion Ratio Lower Upper
139 100
109 28.9 23.1 34.7
65 51.6 39.8 59.8





#27

2,4-Dimethylphenol

Concen: 42.117 ng

RT: 7.763 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF135986.D

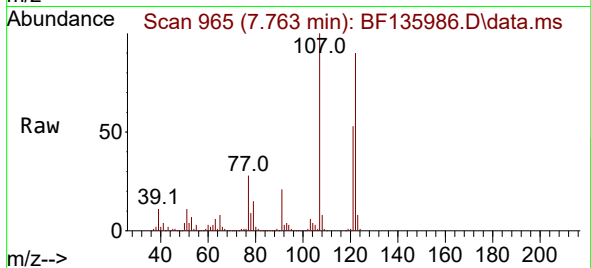
Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

VNJ-218MSD



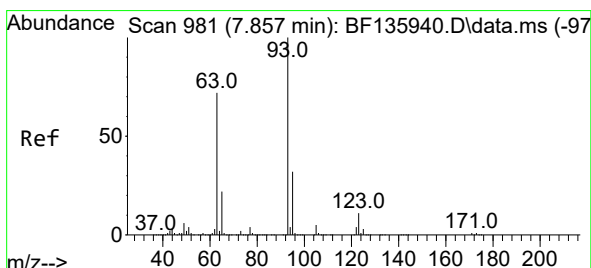
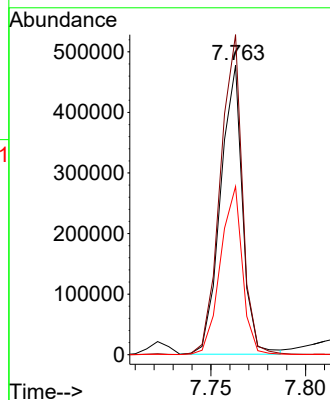
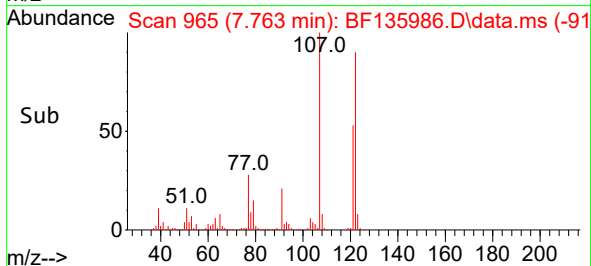
Tgt Ion:	122	Resp:	38604
Ion Ratio	Lower	Upper	
122	100		
107	110.5	87.1	130.7
121	58.1	45.9	68.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#28

bis(2-Chloroethoxy)methane

Concen: 46.662 ng

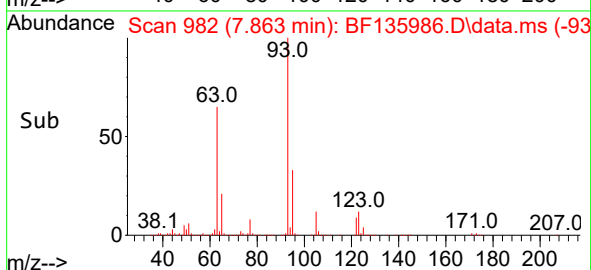
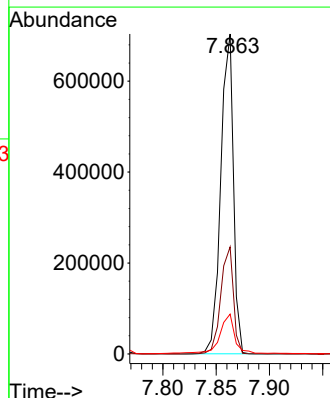
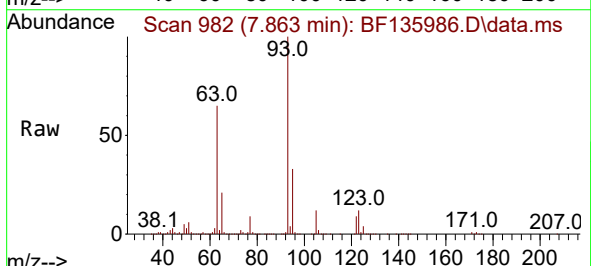
RT: 7.863 min Scan# 982

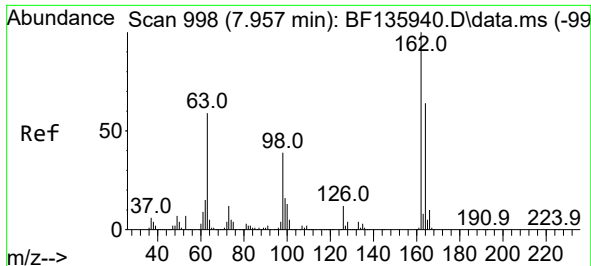
Delta R.T. 0.006 min

Lab File: BF135986.D

Acq: 27 Oct 2023 15:59

Tgt Ion:	93	Resp:	576268
Ion Ratio	Lower	Upper	
93	100		
95	33.5	25.9	38.9
123	12.5	9.0	13.6





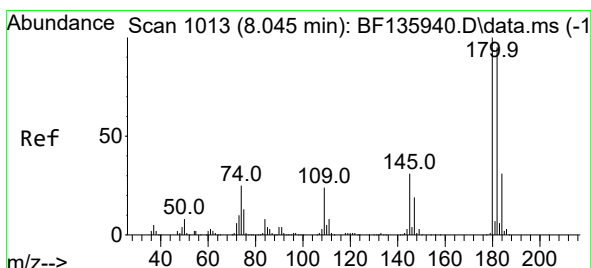
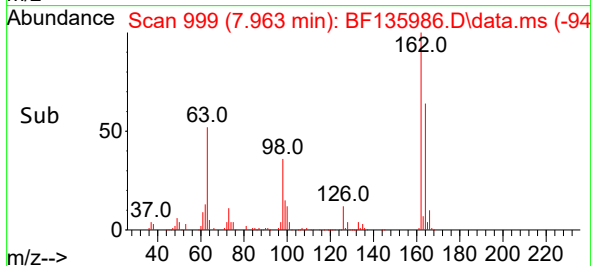
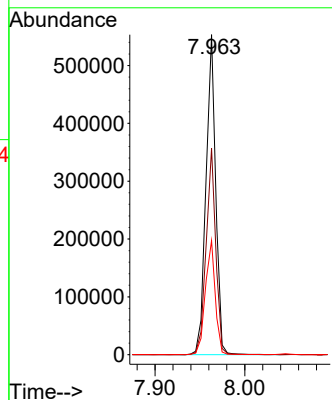
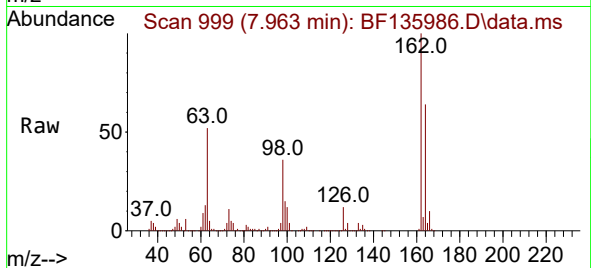
#29
2,4-Dichlorophenol
Concen: 50.752 ng
RT: 7.963 min Scan# 998
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Instrument :
BNA_F
ClientSampleId :
VNJ-218MSD

Tgt Ion:162 Resp: 41656
Ion Ratio Lower Upper
162 100
164 64.5 43.7 83.7
98 35.6 18.8 58.8

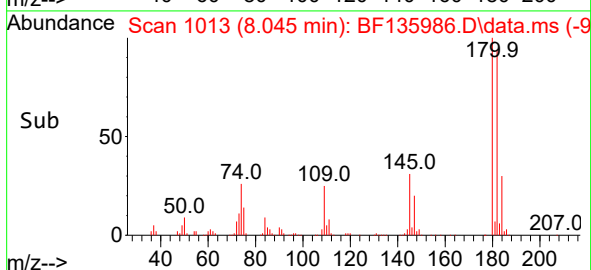
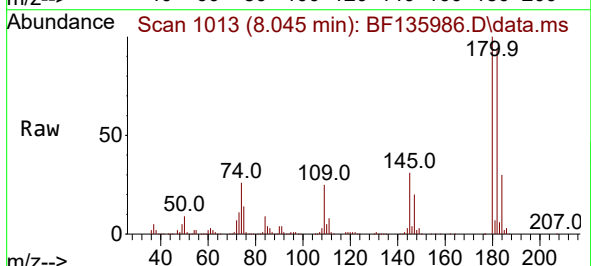
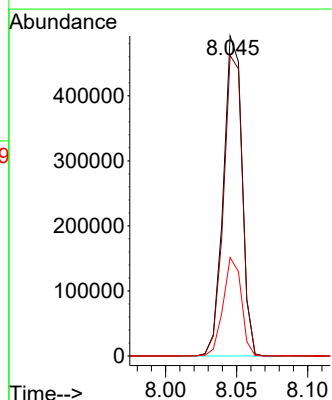
Manual Integrations
APPROVED

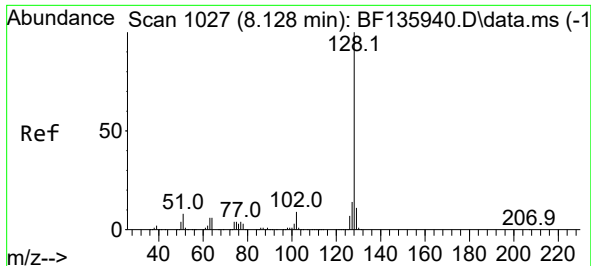
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#30
1,2,4-Trichlorobenzene
Concen: 48.227 ng
RT: 8.045 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Tgt Ion:180 Resp: 448194
Ion Ratio Lower Upper
180 100
182 93.9 76.0 114.0
145 30.8 24.6 36.8





#31
Naphthalene
Concen: 46.151 ng
RT: 8.128 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

VNJ-218MSD

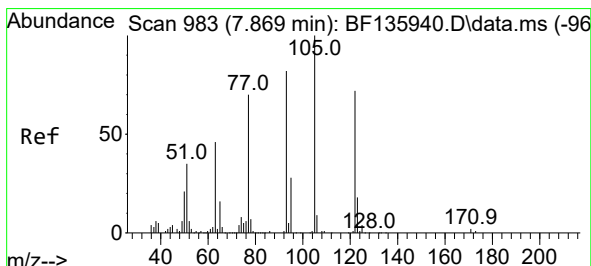
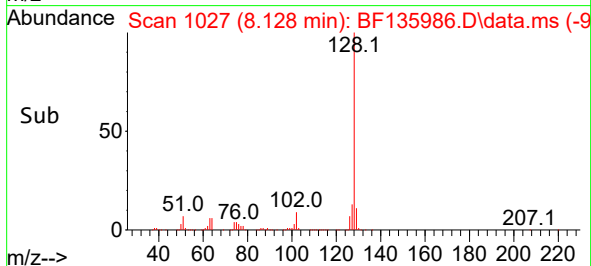
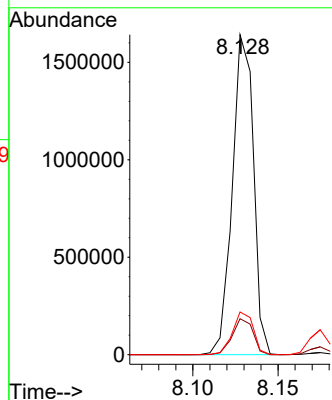
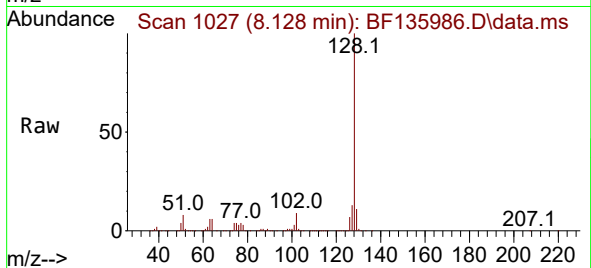
Tgt Ion:128 Resp: 141965
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.3 10.9 16.3

Manual Integrations

APPROVED

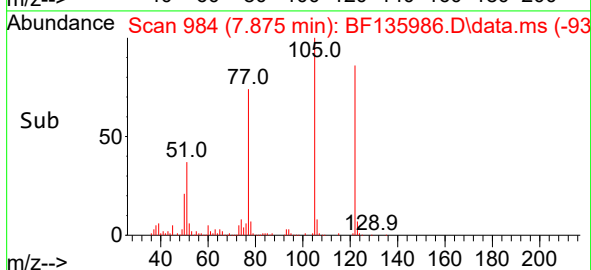
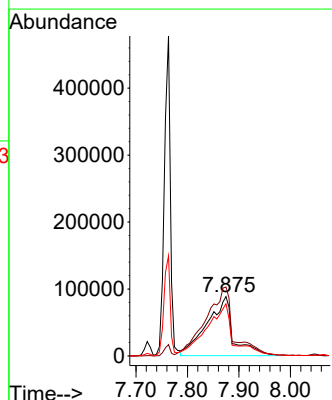
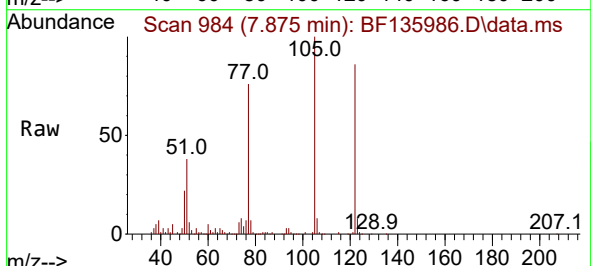
Reviewed By :Yogesh Patel 10/28/2023

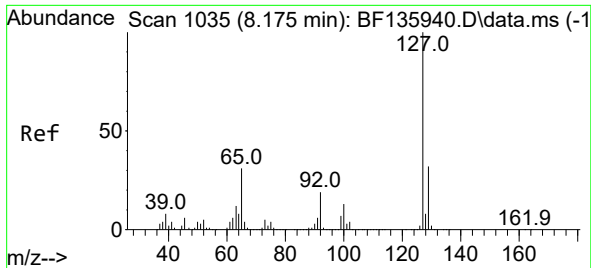
Supervised By :mohammad ahmed 10/28/2023



#32
Benzoic acid
Concen: 61.214 ng m
RT: 7.875 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Tgt Ion:122 Resp: 315529
Ion Ratio Lower Upper
122 100
105 116.1 113.1 153.1
77 87.9 75.2 115.2





#33

4-Chloroaniline

Concen: 8.328 ng

RT: 8.175 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF135986.D

Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

VNJ-218MSD

Tgt Ion:127 Resp: 11323

Ion Ratio Lower Upper

127 100

129 31.7 25.7 38.5

65 28.2 24.8 37.2

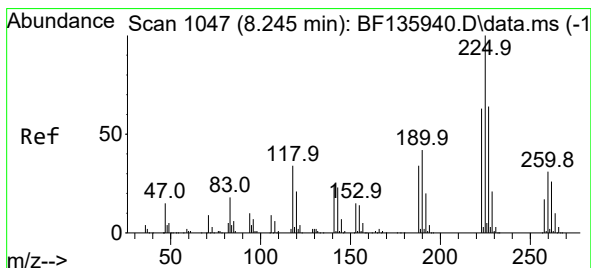
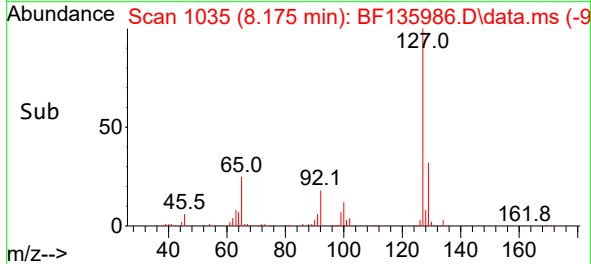
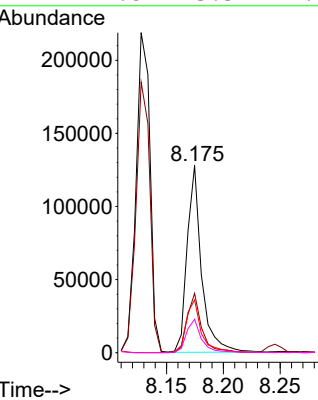
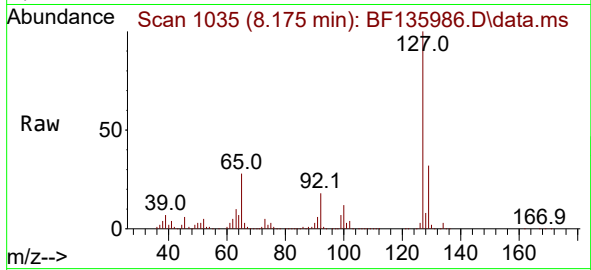
92 17.8 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#34

Hexachlorobutadiene

Concen: 48.052 ng

RT: 8.245 min Scan# 1047

Delta R.T. 0.000 min

Lab File: BF135986.D

Acq: 27 Oct 2023 15:59

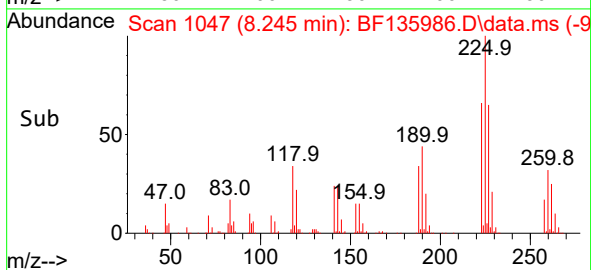
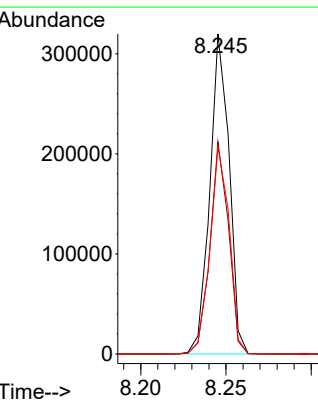
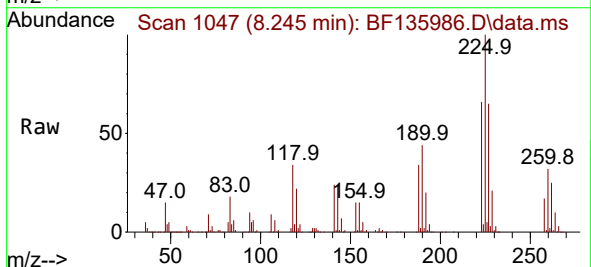
Tgt Ion:225 Resp: 251700

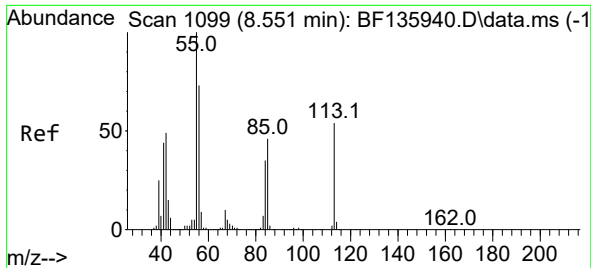
Ion Ratio Lower Upper

225 100

223 66.3 50.6 75.8

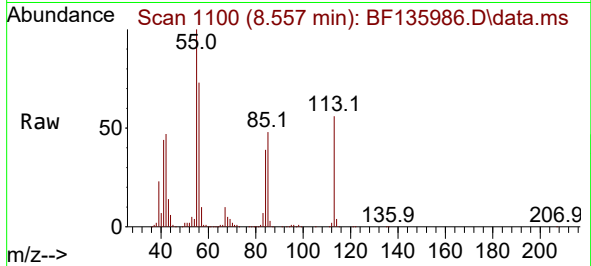
227 64.8 50.9 76.3





#35
Caprolactam
Concen: 51.929 ng m
RT: 8.557 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

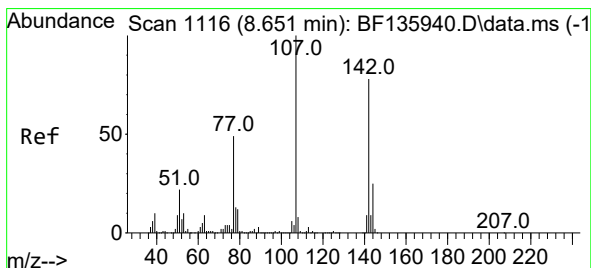
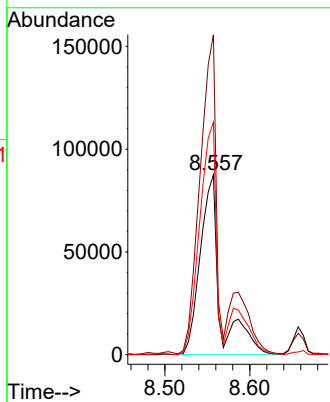
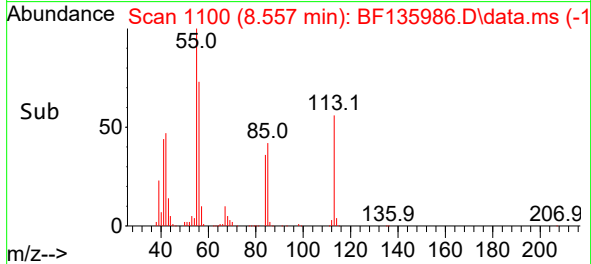
Instrument :
BNA_F
ClientSampleId :
VNJ-218MSD



Tgt Ion:113 Resp: 141840
Ion Ratio Lower Upper
113 100
55 177.8 165.4 205.4
56 129.2 115.2 155.2

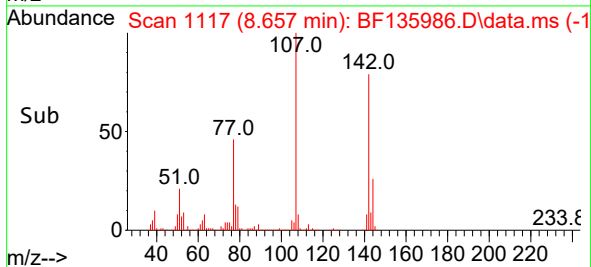
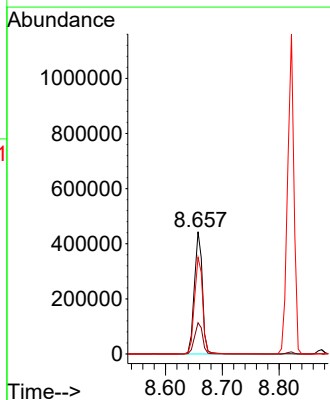
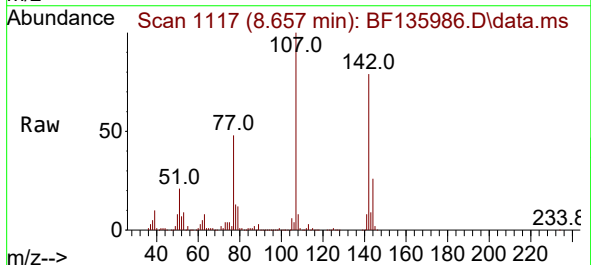
Manual Integrations
APPROVED

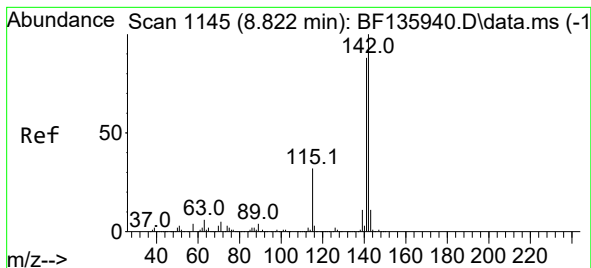
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#36
4-Chloro-3-methylphenol
Concen: 50.002 ng
RT: 8.657 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Tgt Ion:107 Resp: 436148
Ion Ratio Lower Upper
107 100
144 25.6 19.9 29.9
142 79.1 62.8 94.2





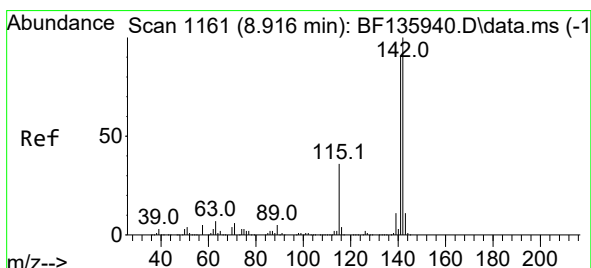
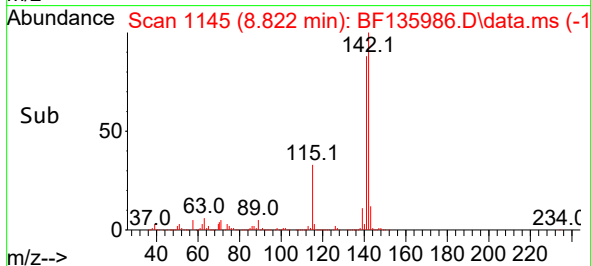
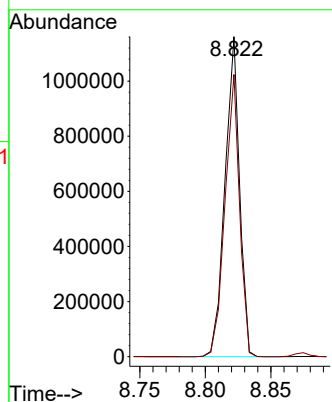
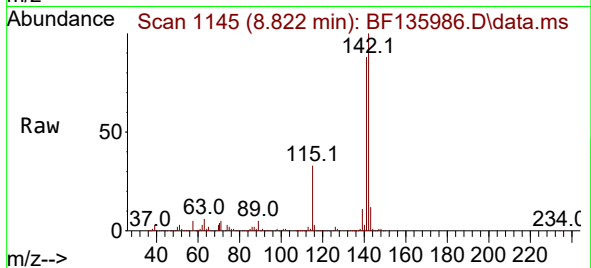
#37
2-Methylnaphthalene
Concen: 44.075 ng
RT: 8.822 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Instrument :
BNA_F
ClientSampleId :
VNJ-218MSD

Tgt Ion:142 Resp: 89704
Ion Ratio Lower Upper
142 100
141 88.2 70.4 105.6

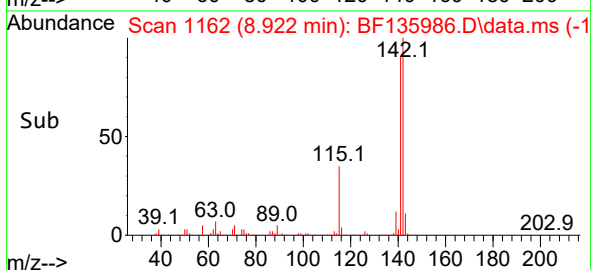
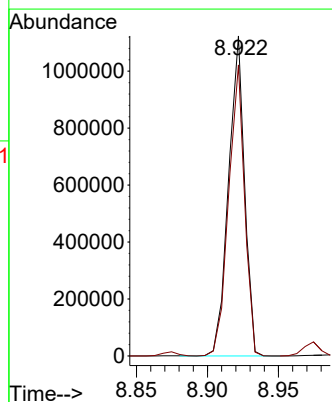
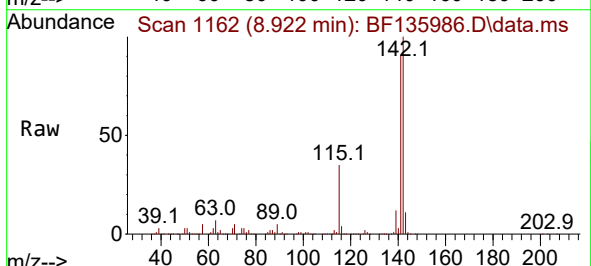
Manual Integrations
APPROVED

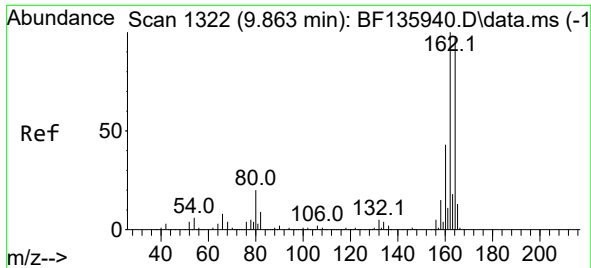
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#38
1-Methylnaphthalene
Concen: 46.204 ng
RT: 8.922 min Scan# 1162
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Tgt Ion:142 Resp: 878691
Ion Ratio Lower Upper
142 100
141 91.0 73.1 109.7





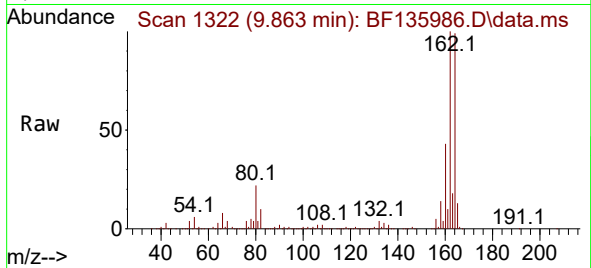
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

VNJ-218MSD



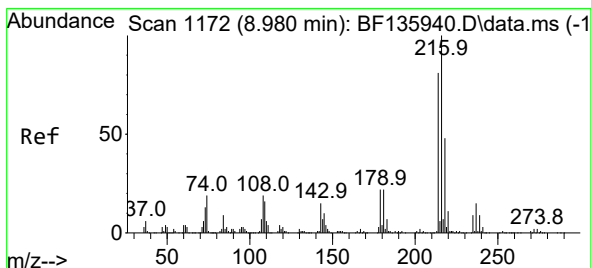
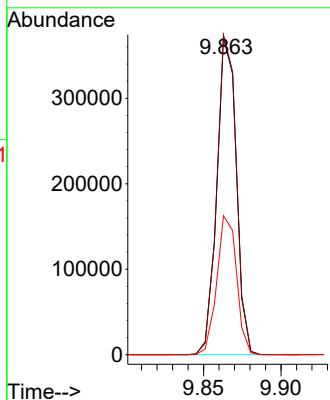
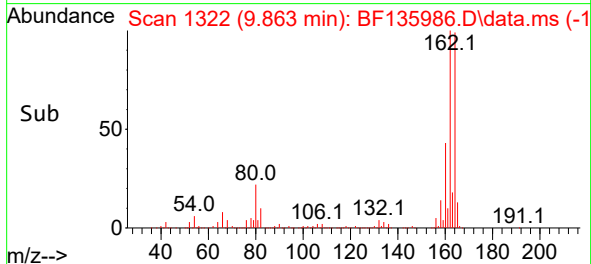
Tgt Ion:164 Resp: 322905
Ion Ratio Lower Upper
164 100
162 101.0 82.0 123.0
160 43.8 35.6 53.4

Manual Integrations

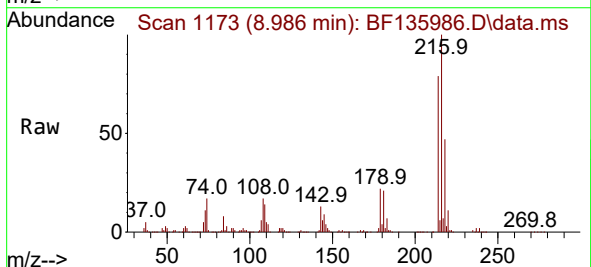
APPROVED

Reviewed By :Yogesh Patel 10/28/2023

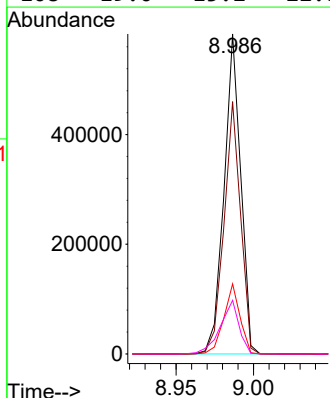
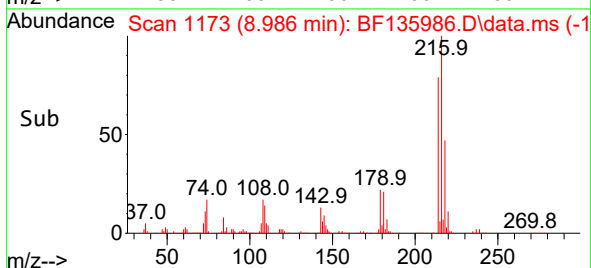
Supervised By :mohammad ahmed 10/28/2023

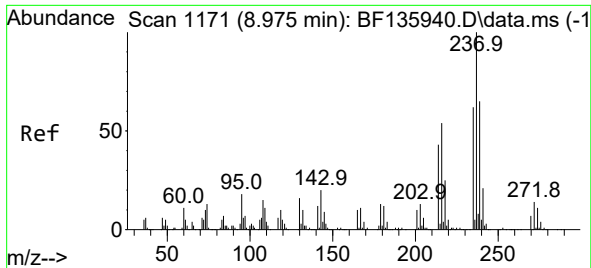


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.811 ng
RT: 8.986 min Scan# 1173
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59



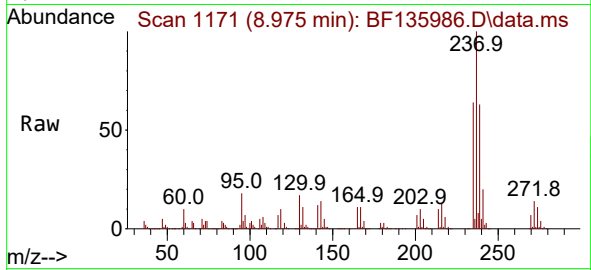
Tgt Ion:216 Resp: 436039
Ion Ratio Lower Upper
216 100
214 78.3 63.3 94.9
179 21.3 17.3 25.9
108 19.0 15.2 22.8





#41
Hexachlorocyclopentadiene
Concen: 71.435 ng
RT: 8.975 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

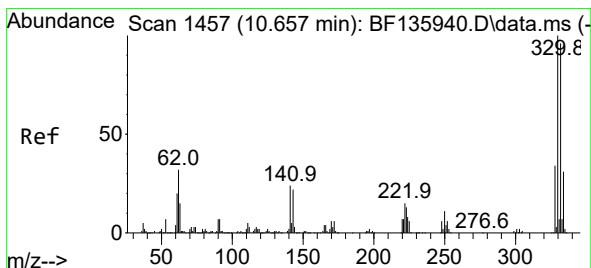
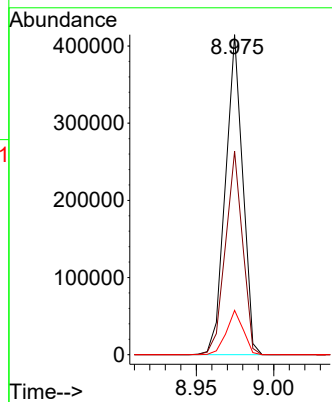
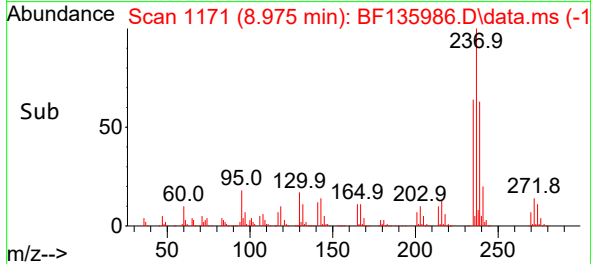
Instrument :
BNA_F
ClientSampleId :
VNJ-218MSD



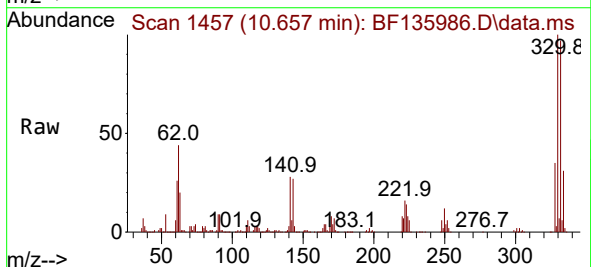
Tgt Ion: 237 Resp: 321245
Ion Ratio Lower Upper
237 100
235 63.6 41.7 81.7
272 13.8 0.0 33.6

Manual Integrations
APPROVED

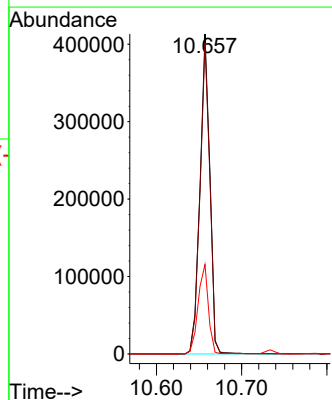
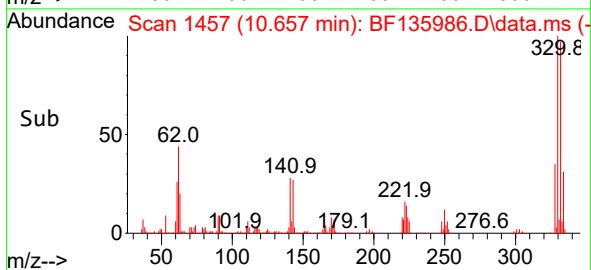
Reviewed By : Yogesh Patel 10/28/2023
Supervised By : mohammad ahmed 10/28/2023

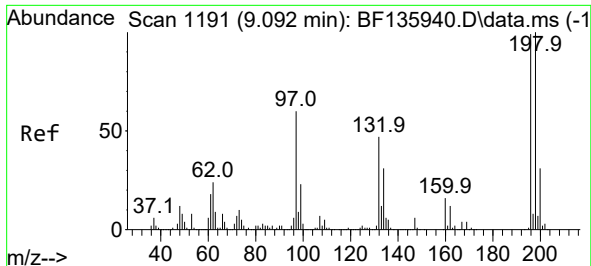


#42
2,4,6-Tribromophenol
Concen: 117.856 ng
RT: 10.657 min Scan# 1457
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59



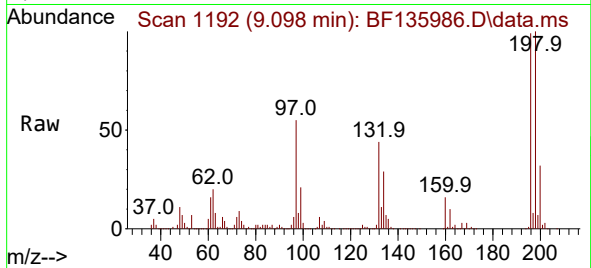
Tgt Ion: 330 Resp: 333106
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.2
141 29.2 24.9 37.3





#43
2,4,6-Trichlorophenol
Concen: 53.577 ng
RT: 9.098 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

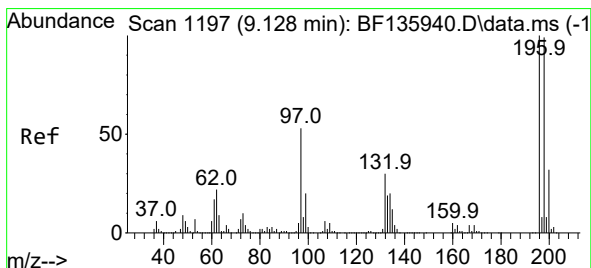
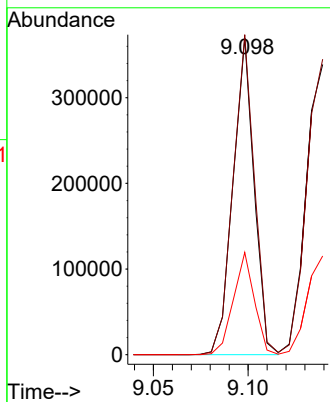
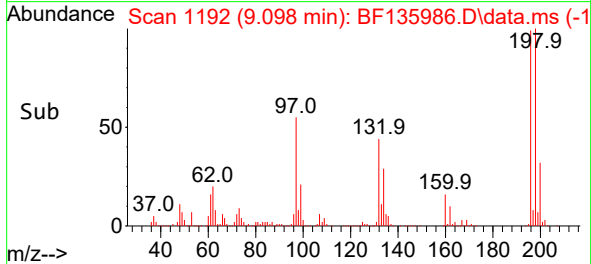
Instrument :
BNA_F
ClientSampleId :
VNJ-218MSD



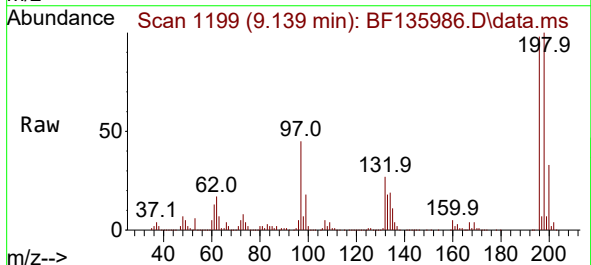
Tgt Ion:196 Resp: 285989
Ion Ratio Lower Upper
196 100
198 101.0 81.0 121.4
200 32.3 25.4 38.0

Manual Integrations
APPROVED

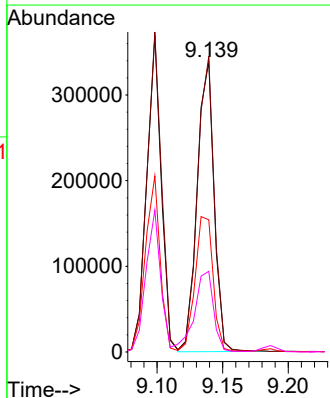
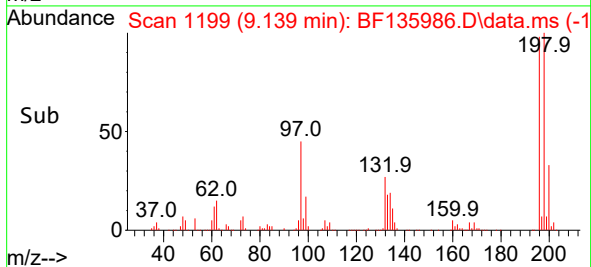
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

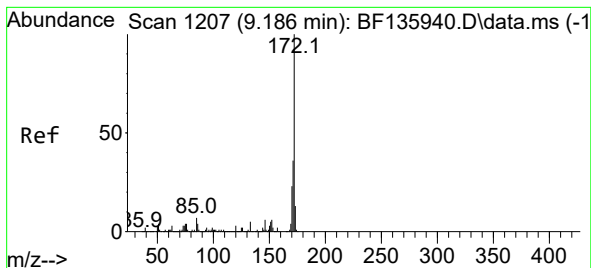


#44
2,4,5-Trichlorophenol
Concen: 48.288 ng
RT: 9.139 min Scan# 1199
Delta R.T. 0.012 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59



Tgt Ion:196 Resp: 306040
Ion Ratio Lower Upper
196 100
198 101.8 79.1 118.7
97 45.5 42.3 63.5
132 27.8 24.0 36.0





#45

2-Fluorobiphenyl

Concen: 66.200 ng

RT: 9.186 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF135986.D

Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

VNJ-218MSD

Tgt Ion:172 Resp: 133497

Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

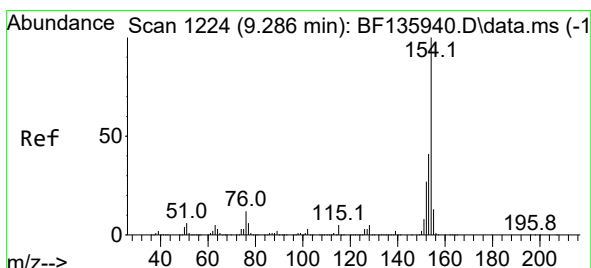
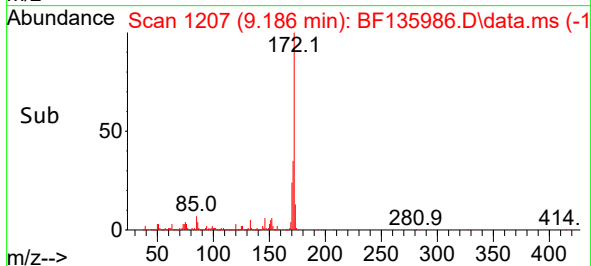
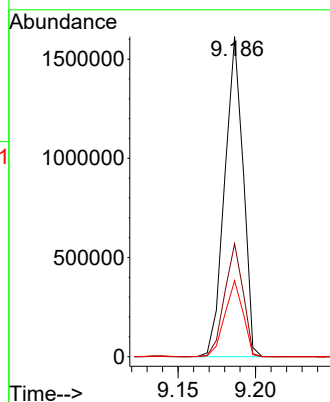
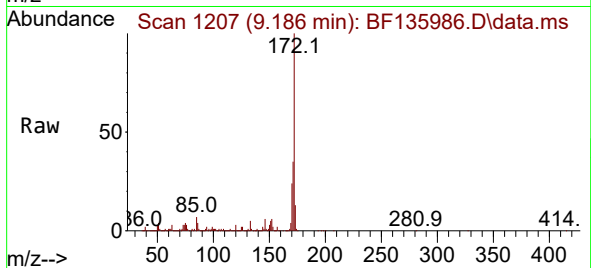
170 23.8 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#46

1,1'-Biphenyl

Concen: 46.984 ng

RT: 9.286 min Scan# 1224

Delta R.T. 0.000 min

Lab File: BF135986.D

Acq: 27 Oct 2023 15:59

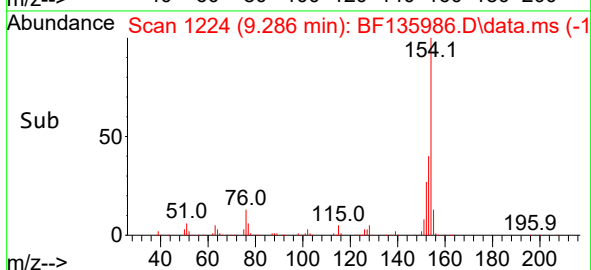
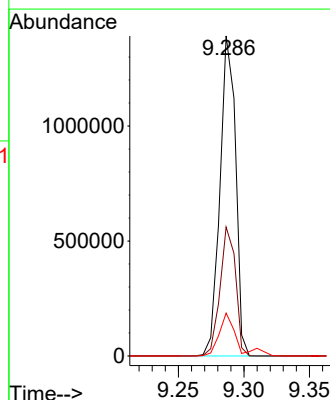
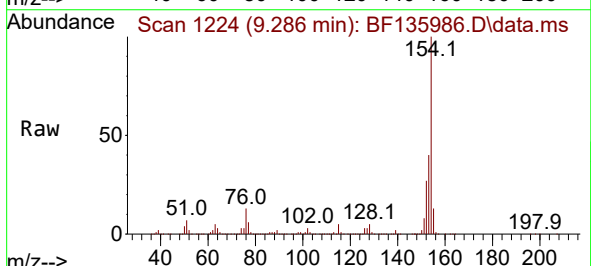
Tgt Ion:154 Resp: 1149568

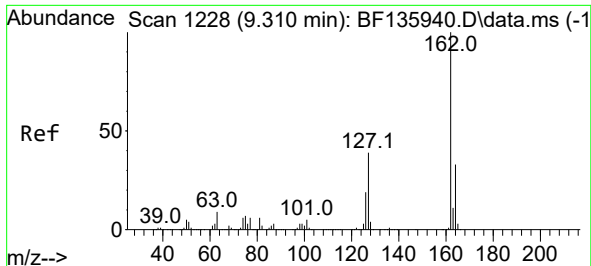
Ion Ratio Lower Upper

154 100

153 40.3 20.7 60.7

76 13.4 0.0 32.4





#47
2-Chloronaphthalene
Concen: 47.813 ng
RT: 9.310 min Scan# 1228
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

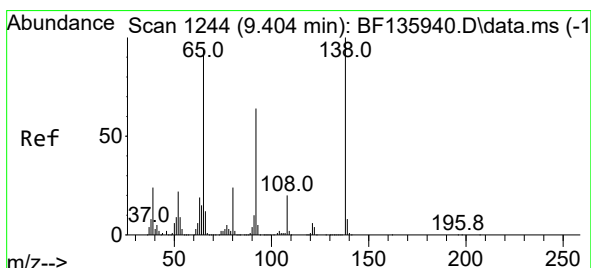
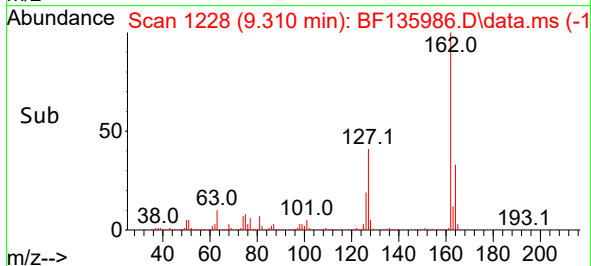
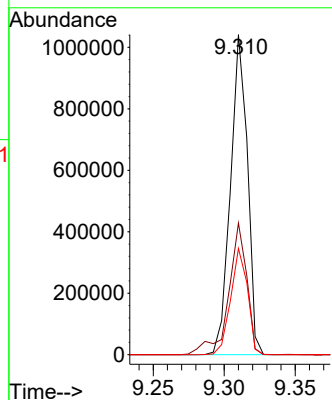
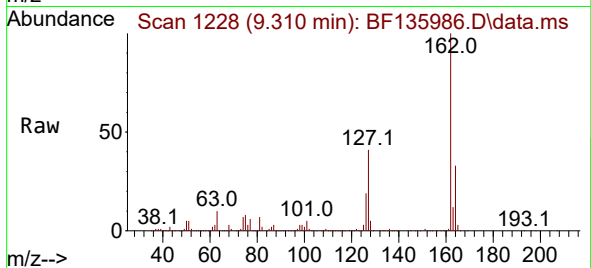
ClientSampleId :

VNJ-218MSD

Tgt Ion:162 Resp: 86531
Ion Ratio Lower Upper
162 100
127 41.1 31.0 46.4
164 33.2 26.6 39.8

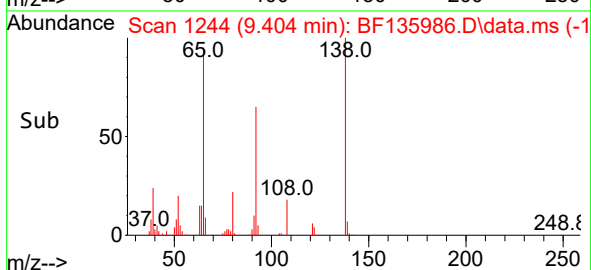
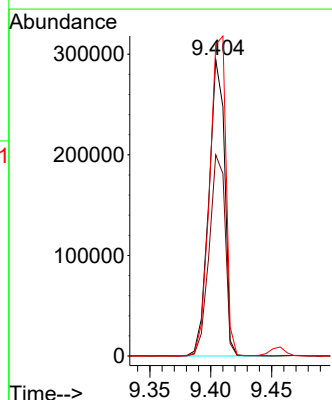
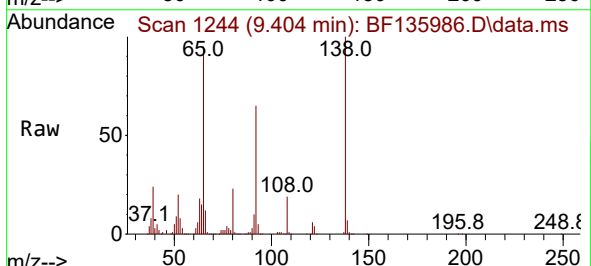
Manual Integrations
APPROVED

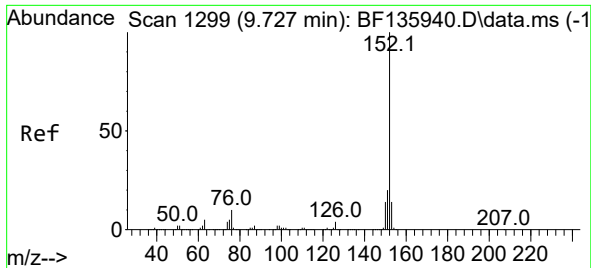
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#48
2-Nitroaniline
Concen: 52.562 ng
RT: 9.404 min Scan# 1244
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Tgt Ion: 65 Resp: 265593
Ion Ratio Lower Upper
65 100
92 67.9 54.9 82.3
138 105.1 85.2 127.8





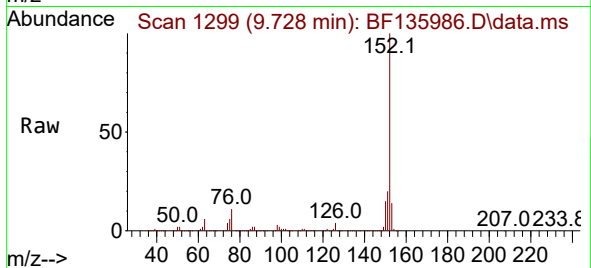
#49
Acenaphthylene
Concen: 47.704 ng
RT: 9.728 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

VNJ-218MSD

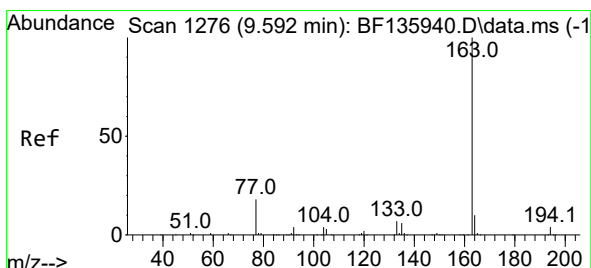
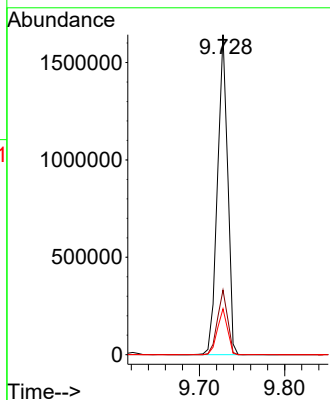
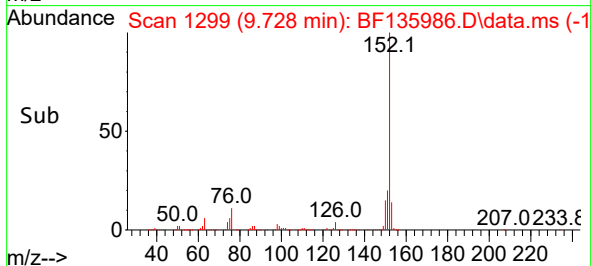


Tgt Ion:152 Resp: 136201
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 14.3 11.0 16.6

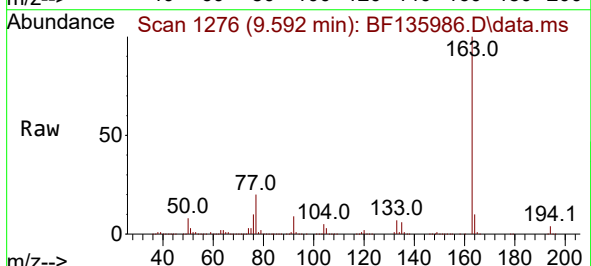
Manual Integrations

APPROVED

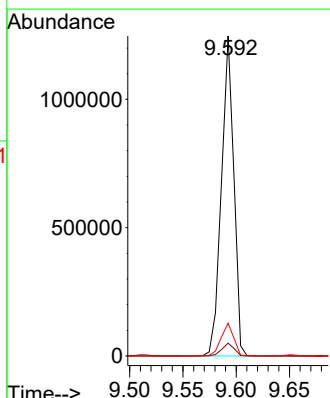
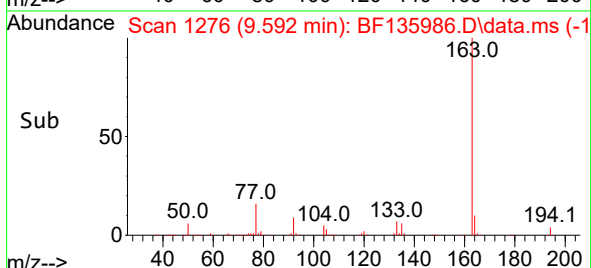
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

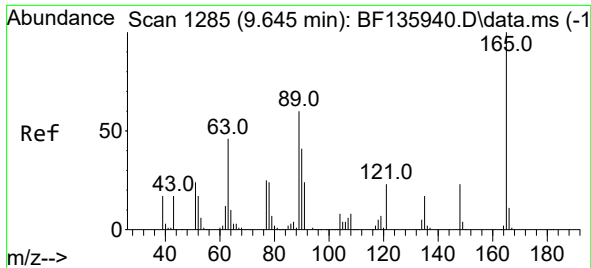


#50
Dimethylphthalate
Concen: 47.935 ng
RT: 9.592 min Scan# 1276
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59



Tgt Ion:163 Resp: 1003773
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.3 8.3 12.5





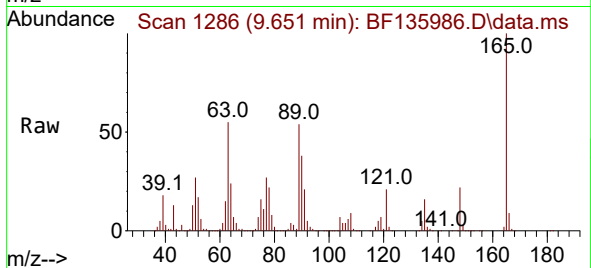
#51
2,6-Dinitrotoluene
Concen: 51.815 ng
RT: 9.651 min Scan# 1286
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

VNJ-218MSD

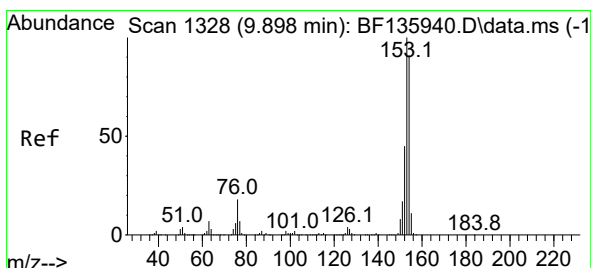
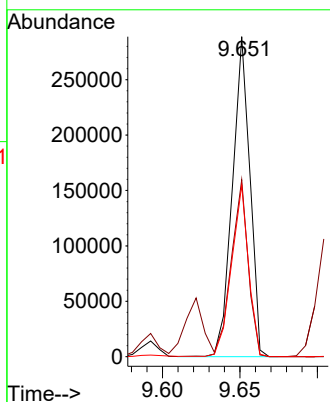
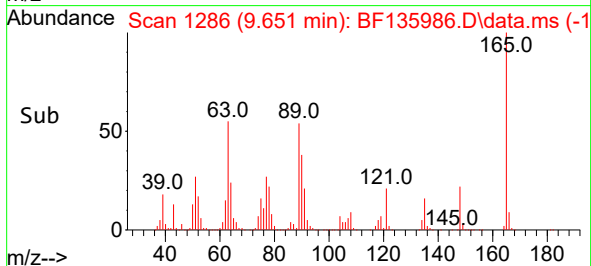


Tgt Ion:165 Resp: 226810
Ion Ratio Lower Upper
165 100
63 55.3 51.7 77.5
89 53.7 48.3 72.5

Manual Integrations

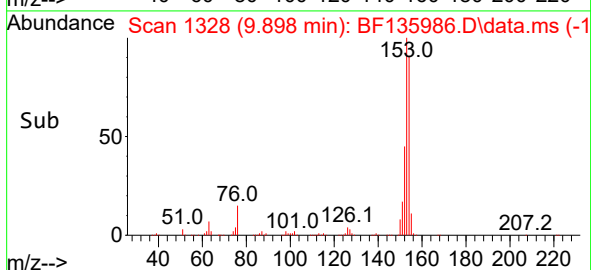
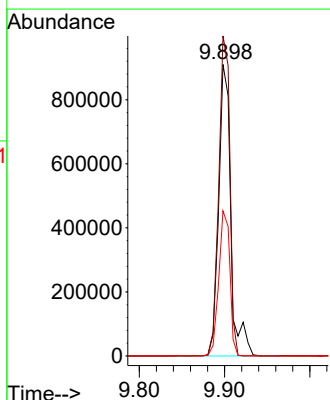
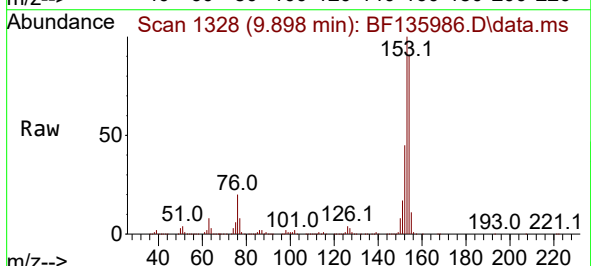
APPROVED

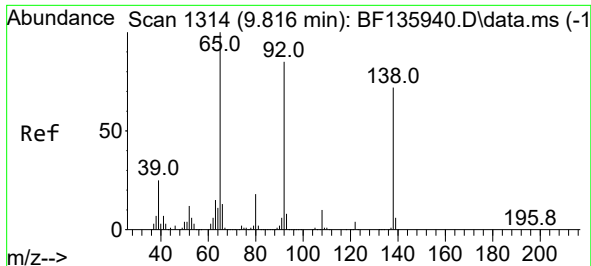
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#52
Acenaphthene
Concen: 48.865 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Tgt Ion:154 Resp: 894100
Ion Ratio Lower Upper
154 100
153 109.8 88.0 132.0
152 49.8 39.4 59.2





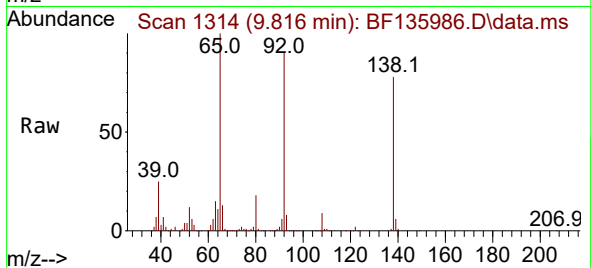
#53
3-Nitroaniline
Concen: 30.950 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

VNJ-218MSD



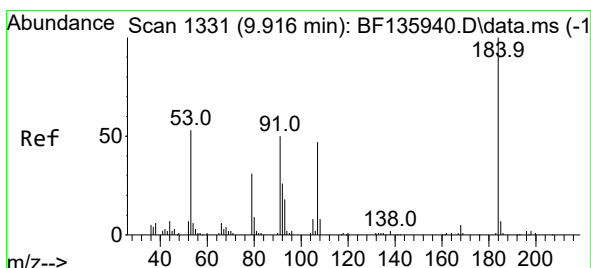
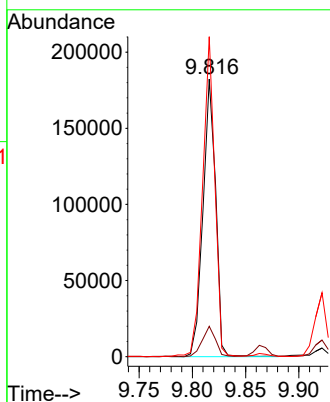
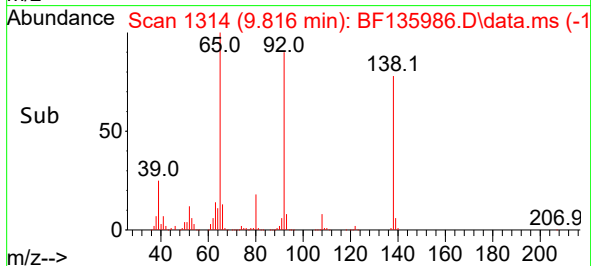
Tgt Ion:138 Resp: 151475
Ion Ratio Lower Upper
138 100
108 11.0 11.3 16.9
92 115.3 95.0 142.6

Manual Integrations

APPROVED

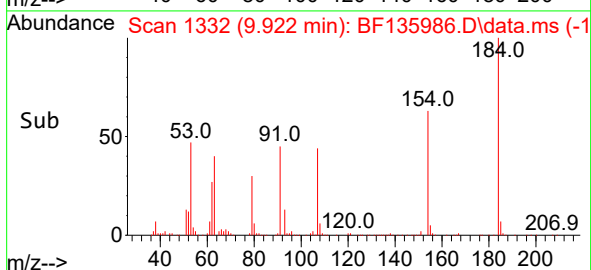
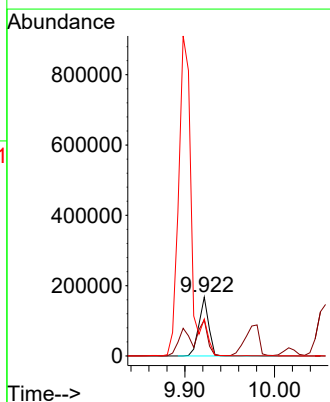
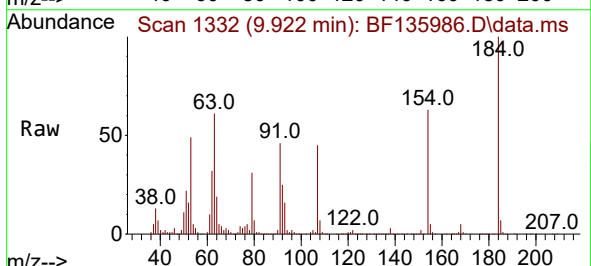
Reviewed By :Yogesh Patel 10/28/2023

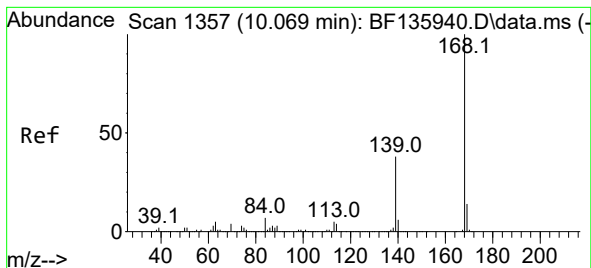
Supervised By :mohammad ahmed 10/28/2023



#54
2,4-Dinitrophenol
Concen: 78.660 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Tgt Ion:184 Resp: 127638
Ion Ratio Lower Upper
184 100
63 61.1 56.3 84.5
154 62.9 48.1 72.1





#55
Dibenzenofuran
Concen: 45.455 ng
RT: 10.075 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

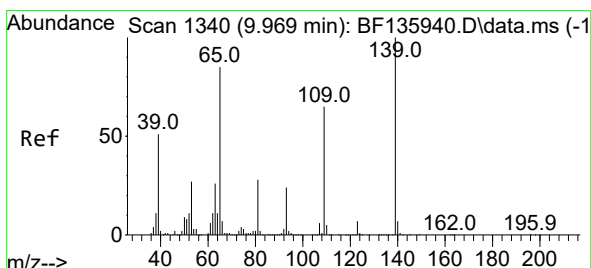
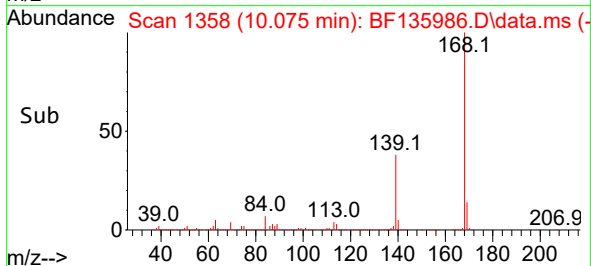
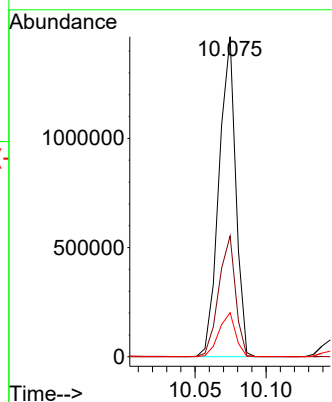
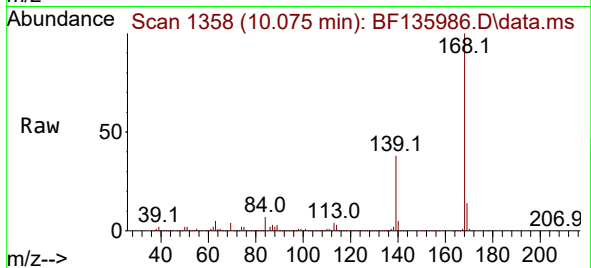
VNJ-218MSD

Tgt Ion:168 Resp: 1201520
Ion Ratio Lower Upper
168 100
139 37.8 30.7 46.1
169 13.7 11.1 16.7

Manual Integrations

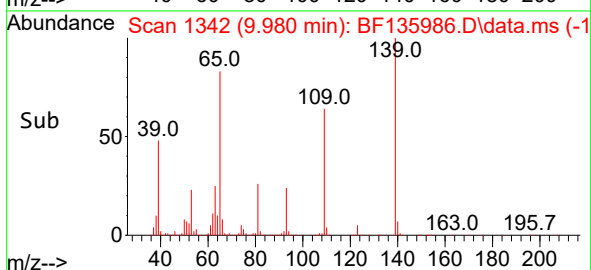
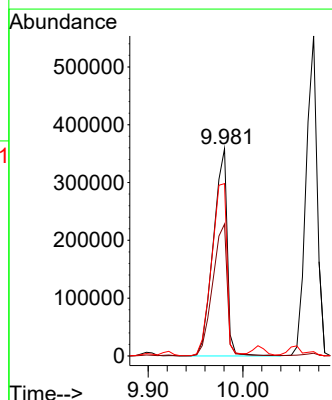
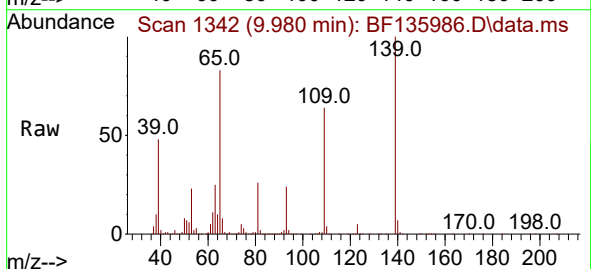
APPROVED

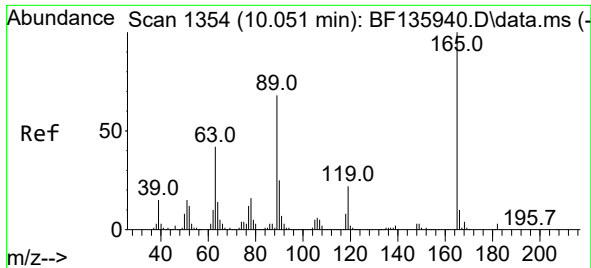
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#56
4-Nitrophenol
Concen: 86.235 ng
RT: 9.980 min Scan# 1342
Delta R.T. 0.011 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Tgt Ion:139 Resp: 366492
Ion Ratio Lower Upper
139 100
109 63.6 45.2 85.2
65 83.1 65.1 105.1





#57
2,4-Dinitrotoluene
Concen: 53.655 ng
RT: 10.057 min Scan# 1355
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

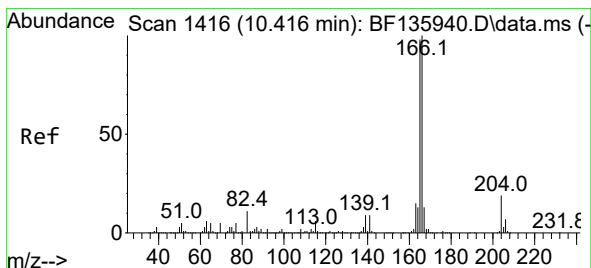
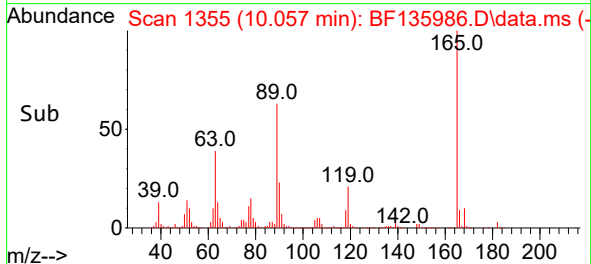
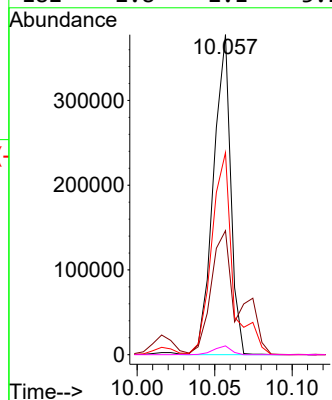
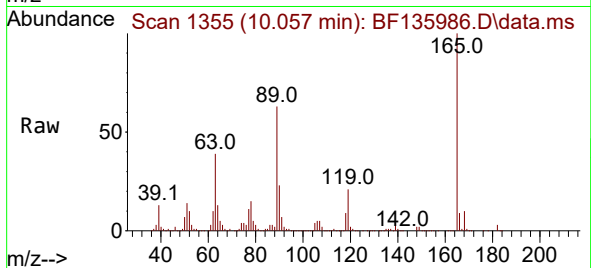
VNJ-218MSD

Tgt Ion:165 Resp: 292524
Ion Ratio Lower Upper
165 100
63 38.8 33.7 50.5
89 63.2 54.6 81.8
182 2.8 2.1 3.1

Manual Integrations

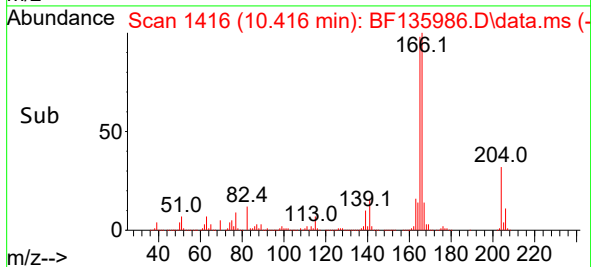
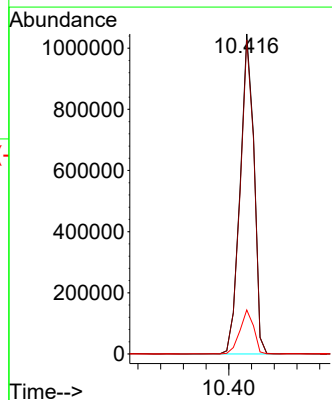
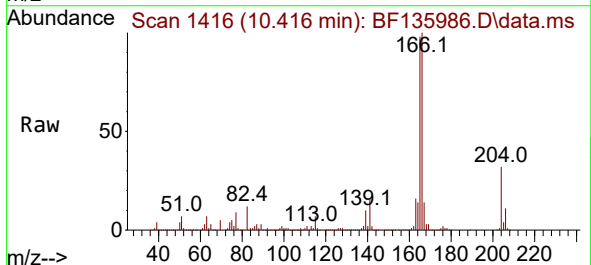
APPROVED

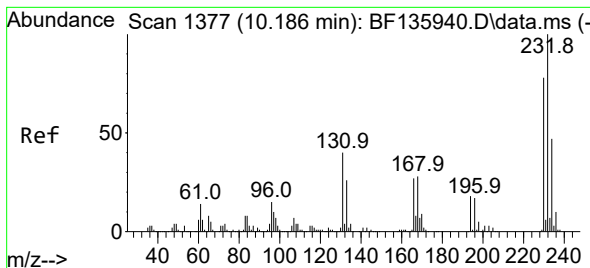
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#58
Fluorene
Concen: 44.733 ng
RT: 10.416 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

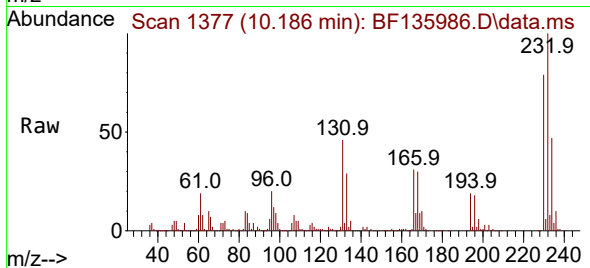
Tgt Ion:166 Resp: 884651
Ion Ratio Lower Upper
166 100
165 98.1 78.0 117.0
167 13.7 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 53.821 ng
RT: 10.186 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

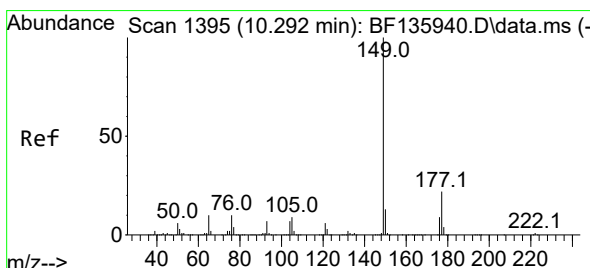
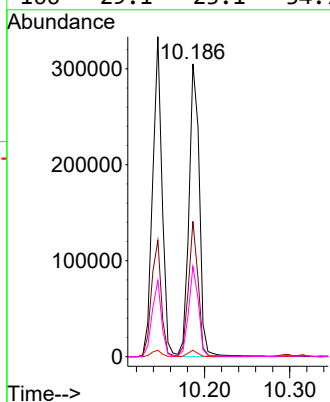
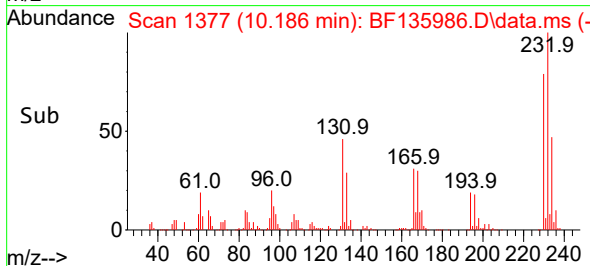
Instrument :
BNA_F
ClientSampleId :
VNJ-218MSD



Tgt Ion:232 Resp: 256671
Ion Ratio Lower Upper
232 100
131 43.0 35.2 52.8
130 2.1 1.7 2.5
166 29.1 23.1 34.7

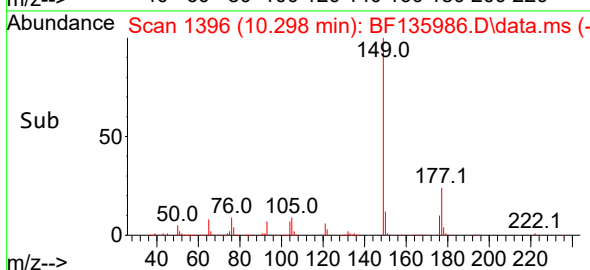
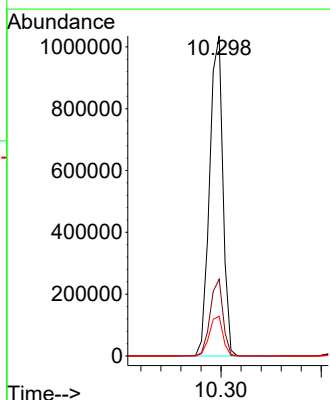
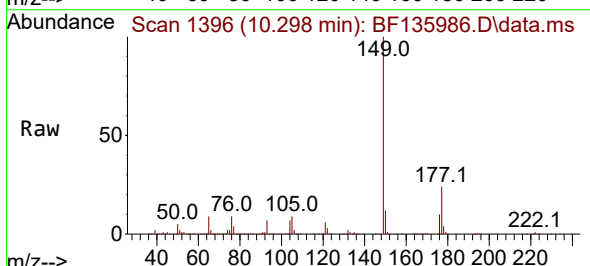
Manual Integrations
APPROVED

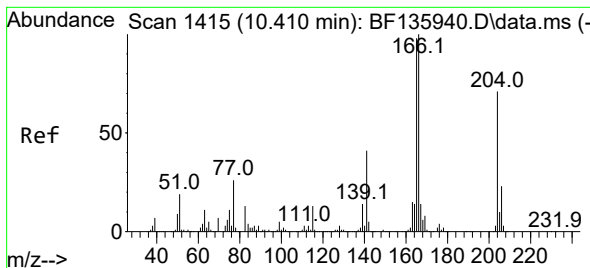
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#60
Diethylphthalate
Concen: 47.807 ng
RT: 10.298 min Scan# 1396
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Tgt Ion:149 Resp: 954622
Ion Ratio Lower Upper
149 100
177 24.0 17.9 26.9
150 12.4 10.2 15.2





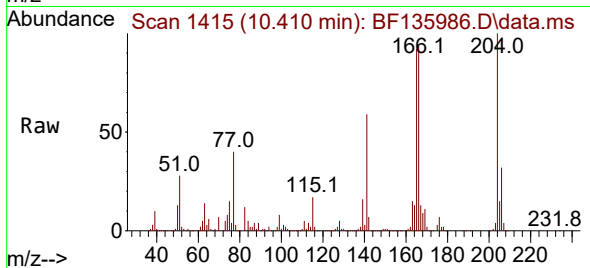
#61
4-Chlorophenyl-phenylether
Concen: 45.747 ng
RT: 10.410 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

VNJ-218MSD

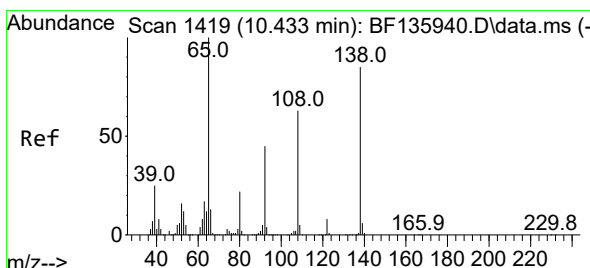
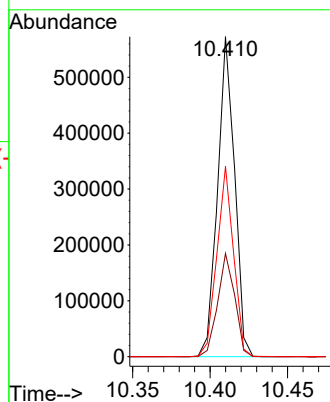
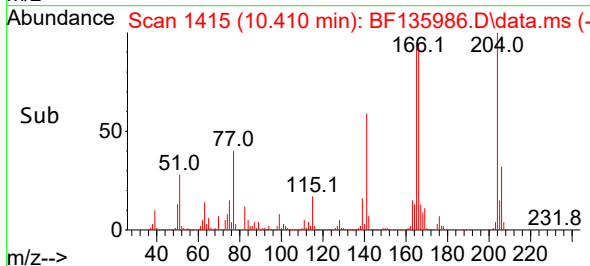


Tgt Ion:204 Resp: 436400
Ion Ratio Lower Upper
204 100
206 32.3 26.4 39.6
141 59.5 46.2 69.2

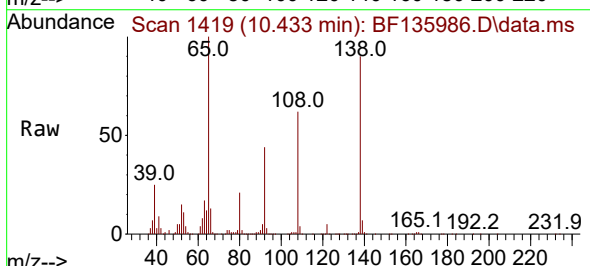
Manual Integrations

APPROVED

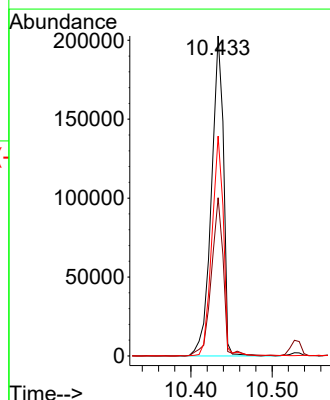
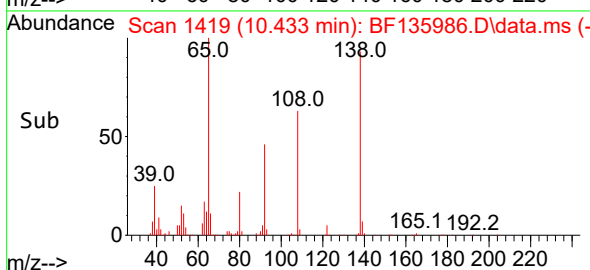
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

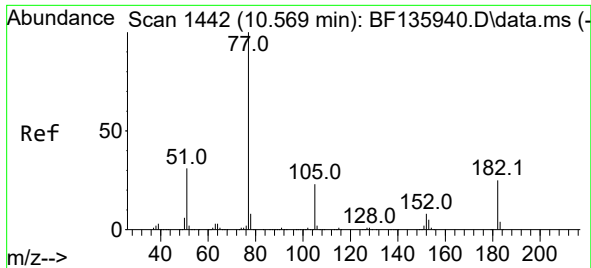


#62
4-Nitroaniline
Concen: 41.444 ng
RT: 10.433 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59



Tgt Ion:138 Resp: 209550
Ion Ratio Lower Upper
138 100
92 49.5 32.9 72.9
108 68.7 53.5 93.5





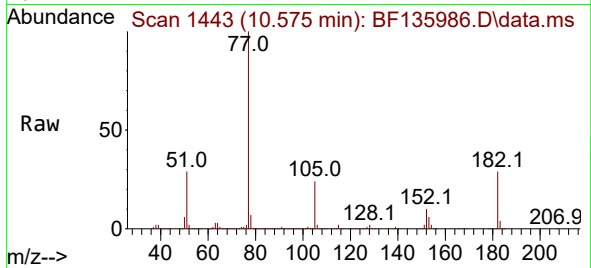
#63
 Azobenzene
 Concen: 45.015 ng
 RT: 10.575 min Scan# 1442
 Delta R.T. 0.006 min
 Lab File: BF135986.D
 Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

VNJ-218MSD

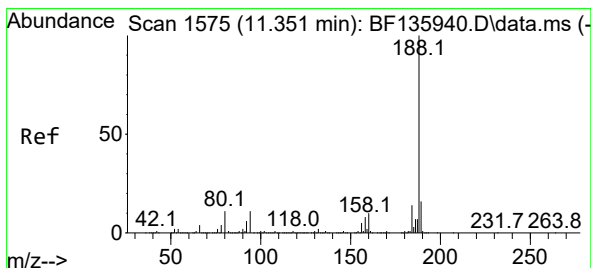
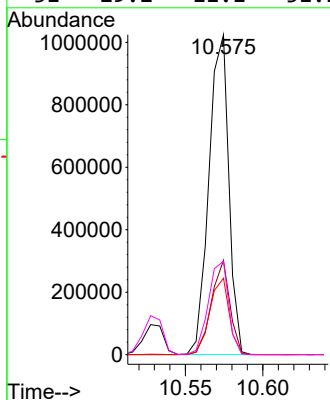
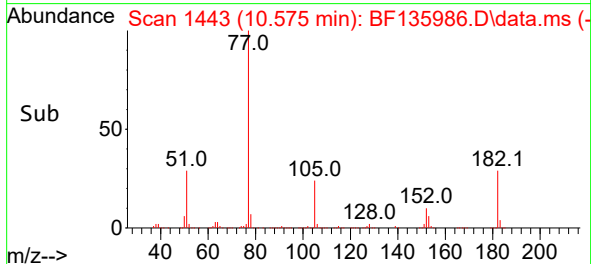


Tgt Ion: 77 Resp: 91220
 Ion Ratio Lower Upper
 77 100
 182 29.5 5.1 45.1
 105 23.9 2.8 42.8
 51 29.2 11.1 51.1

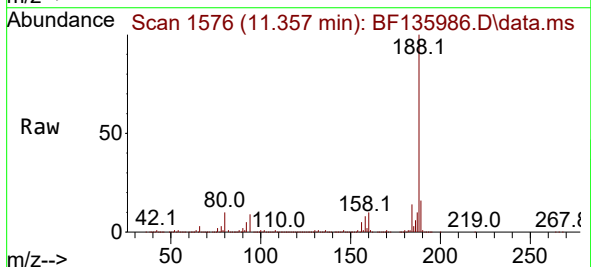
Manual Integrations

APPROVED

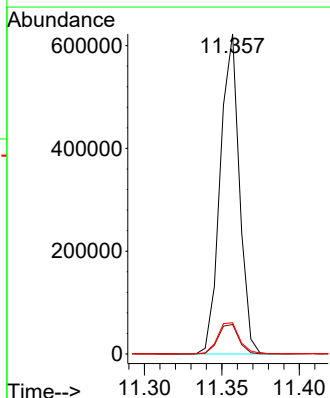
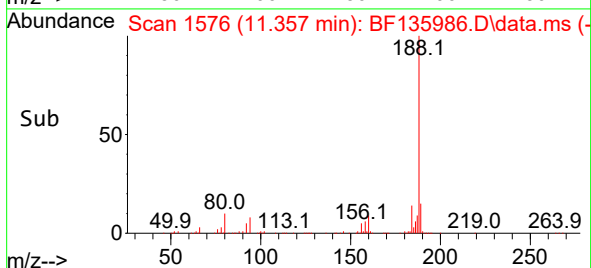
Reviewed By :Yogesh Patel 10/28/2023
 Supervised By :mohammad ahmed 10/28/2023

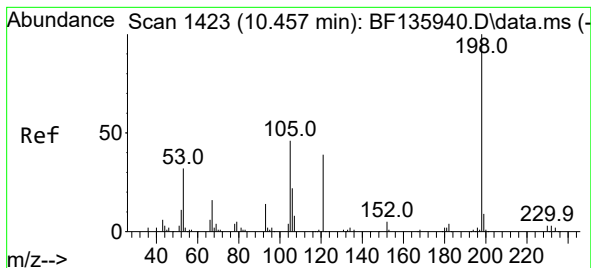


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.357 min Scan# 1576
 Delta R.T. 0.006 min
 Lab File: BF135986.D
 Acq: 27 Oct 2023 15:59



Tgt Ion:188 Resp: 535664
 Ion Ratio Lower Upper
 188 100
 94 9.2 8.6 13.0
 80 9.7 9.0 13.6





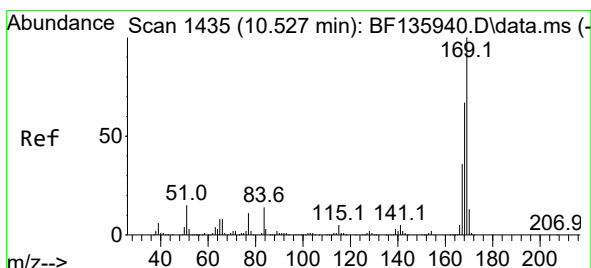
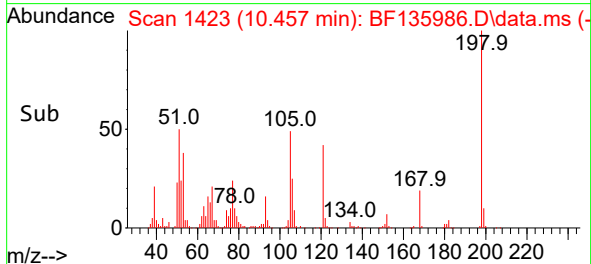
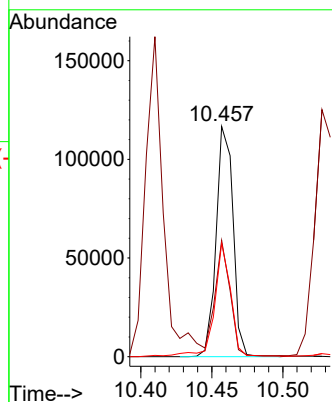
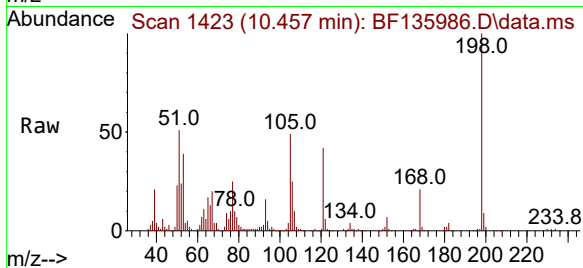
#65
4,6-Dinitro-2-methylphenol
Concen: 52.743 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Instrument :
BNA_F
ClientSampleId :
VNJ-218MSD

Tgt Ion:198 Resp: 9609
Ion Ratio Lower Upper
198 100
51 50.5 28.7 68.7
105 49.3 27.2 67.2

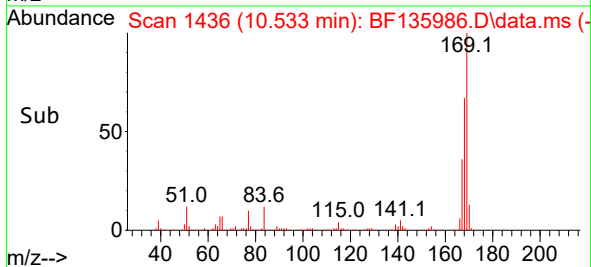
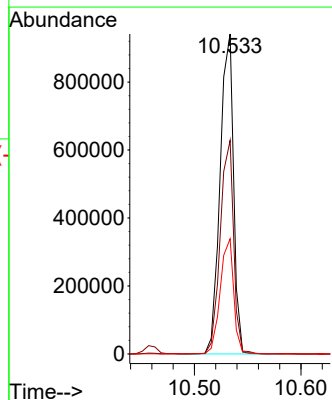
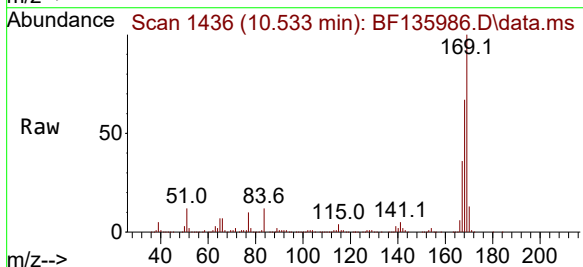
Manual Integrations
APPROVED

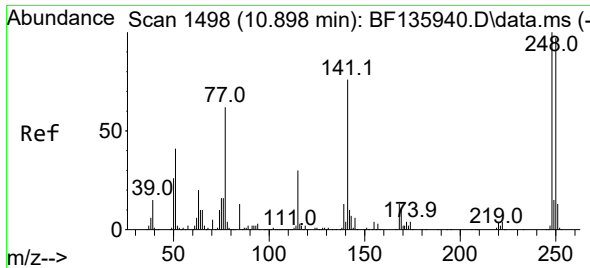
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#66
n-Nitrosodiphenylamine
Concen: 50.776 ng
RT: 10.533 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

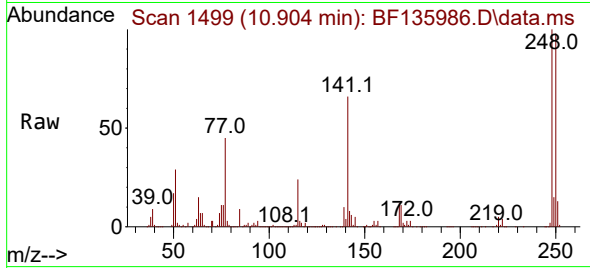
Tgt Ion:169 Resp: 821678
Ion Ratio Lower Upper
169 100
168 66.7 53.5 80.3
167 36.0 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 51.900 ng
RT: 10.904 min Scan# 1498
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

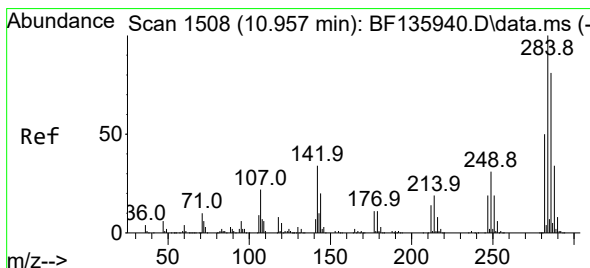
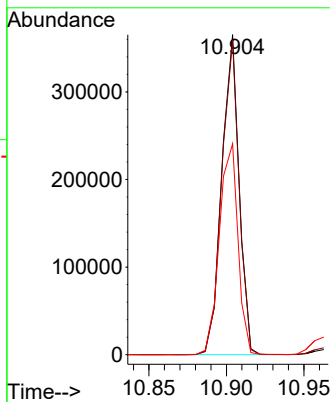
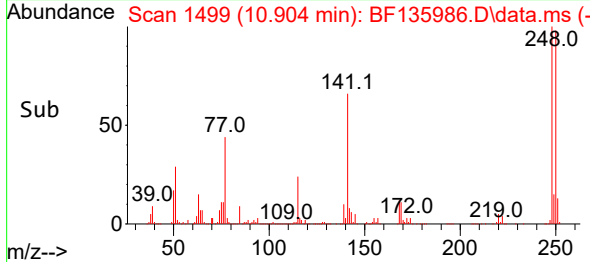
Instrument :
BNA_F
ClientSampleId :
VNJ-218MSD



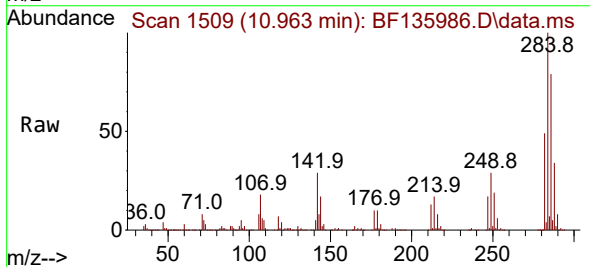
Tgt Ion:248 Resp: 284714
Ion Ratio Lower Upper
248 100
250 98.2 77.9 116.9
141 65.9 60.8 91.2

Manual Integrations
APPROVED

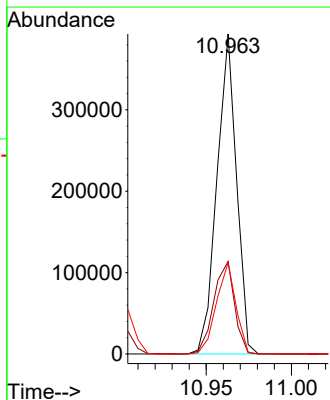
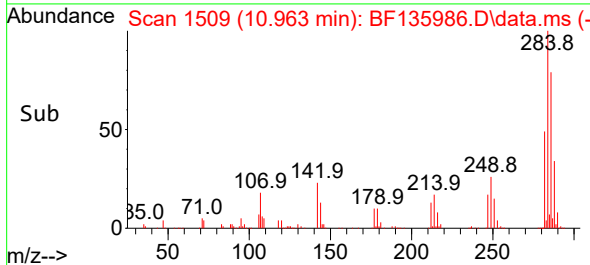
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

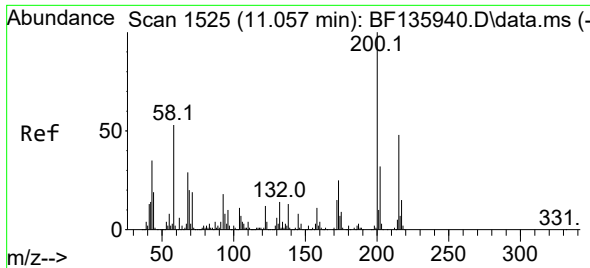


#68
Hexachlorobenzene
Concen: 53.582 ng
RT: 10.963 min Scan# 1509
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59



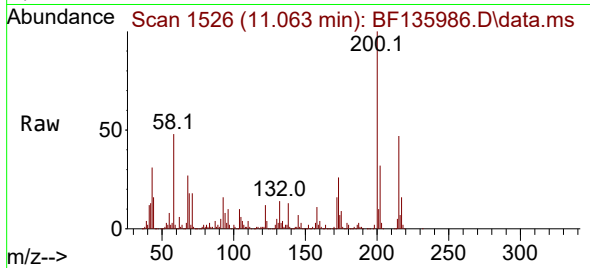
Tgt Ion:284 Resp: 313998
Ion Ratio Lower Upper
284 100
142 28.9 27.6 41.4
249 28.6 24.7 37.1





#69
 Atrazine
 Concen: 61.832 ng
 RT: 11.063 min Scan# 11063
 Delta R.T. 0.006 min
 Lab File: BF135986.D
 Acq: 27 Oct 2023 15:59

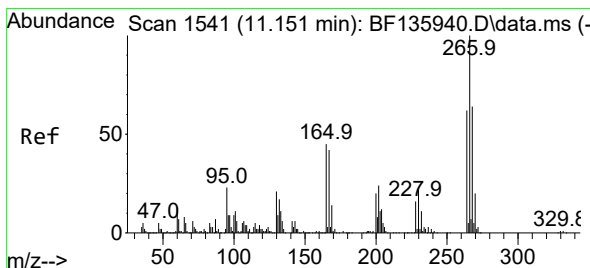
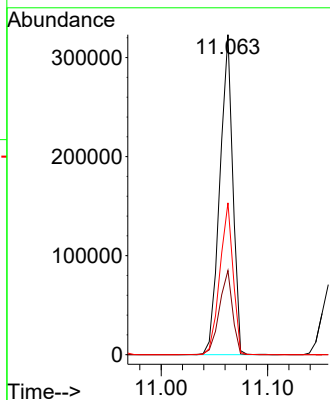
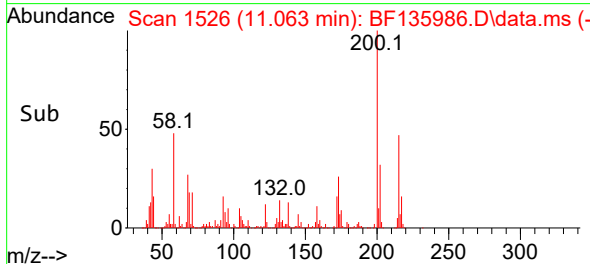
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-218MSD



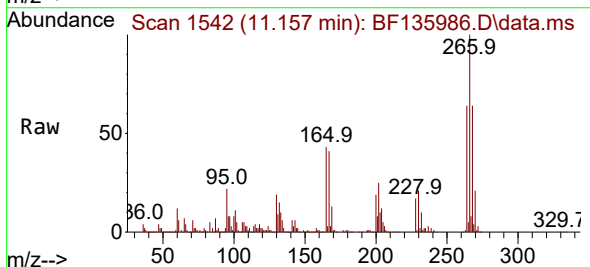
Tgt Ion:200 Resp: 272769
 Ion Ratio Lower Upper
 200 100
 173 26.3 5.5 45.5
 215 47.5 27.5 67.5

Manual Integrations
 APPROVED

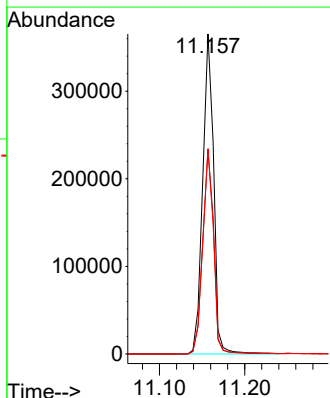
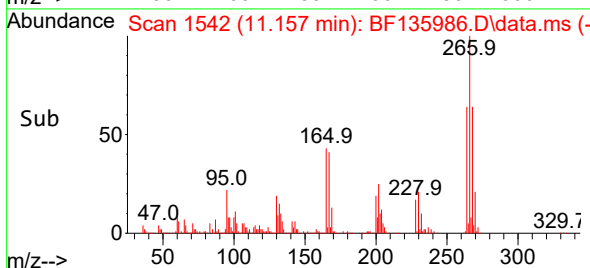
Reviewed By :Yogesh Patel 10/28/2023
 Supervised By :mohammad ahmed 10/28/2023

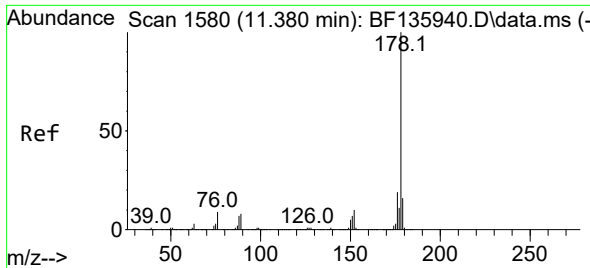


#70
 Pentachlorophenol
 Concen: 87.179 ng
 RT: 11.157 min Scan# 1542
 Delta R.T. 0.006 min
 Lab File: BF135986.D
 Acq: 27 Oct 2023 15:59



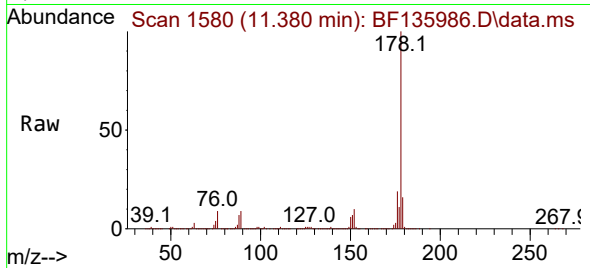
Tgt Ion:266 Resp: 325402
 Ion Ratio Lower Upper
 266 100
 268 64.1 50.8 76.2
 264 64.2 49.8 74.6





#71
Phenanthrene
Concen: 50.431 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

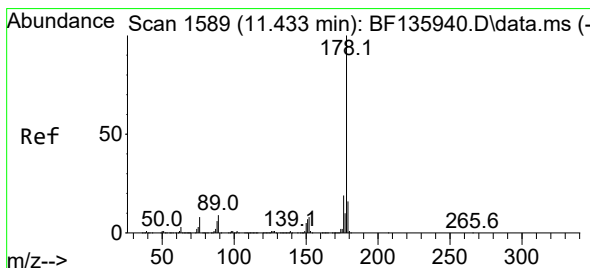
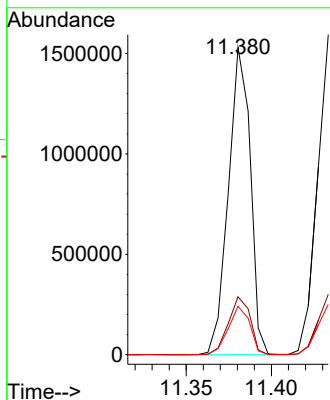
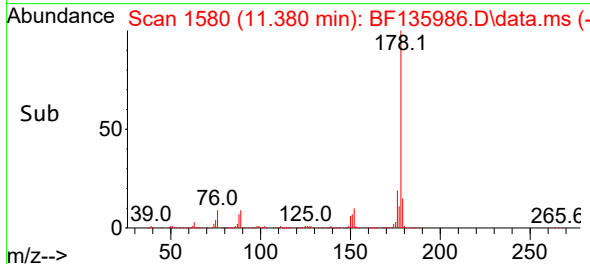
Instrument :
BNA_F
ClientSampleId :
VNJ-218MSD



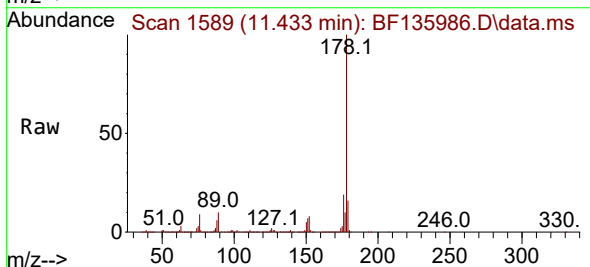
Tgt Ion:178 Resp: 1366708
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.7 12.5 18.7

Manual Integrations
APPROVED

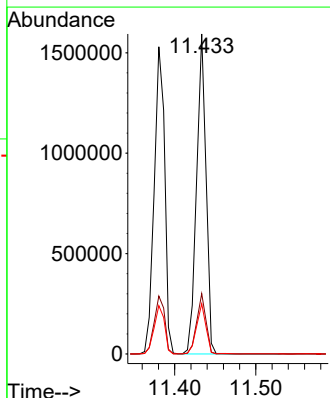
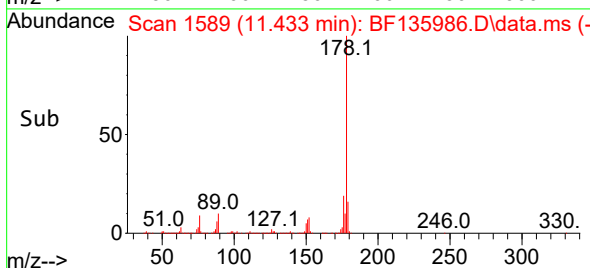
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

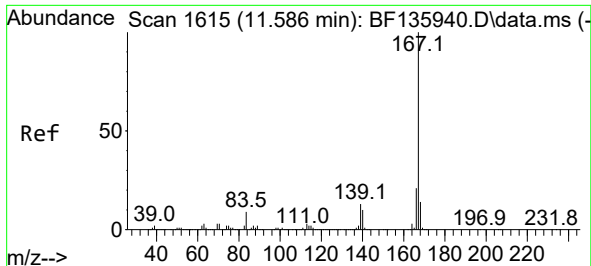


#72
Anthracene
Concen: 46.816 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59



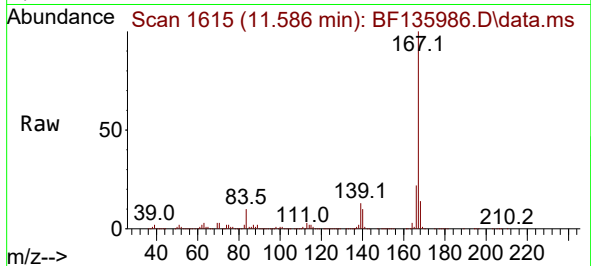
Tgt Ion:178 Resp: 1299110
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.7 12.5 18.7





#73
 Carbazole
 Concen: 44.009 ng
 RT: 11.586 min Scan# 1615
 Delta R.T. 0.000 min
 Lab File: BF135986.D
 Acq: 27 Oct 2023 15:59

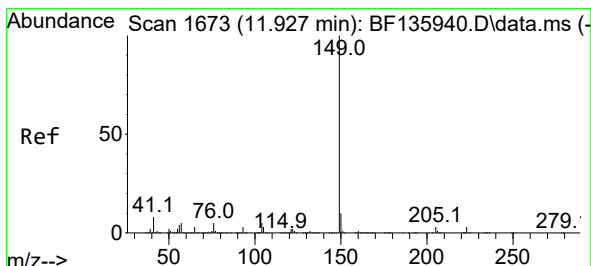
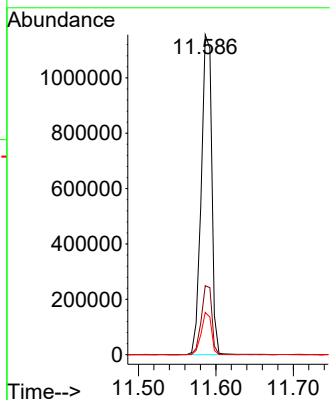
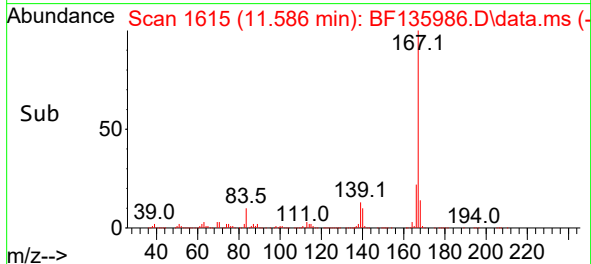
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-218MSD



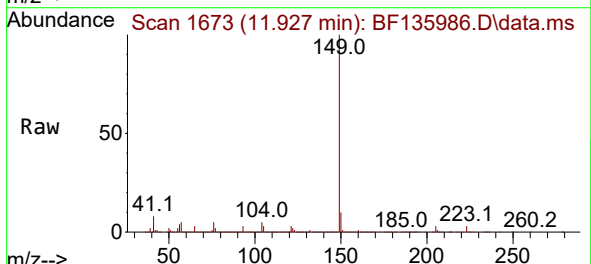
Tgt Ion:167 Resp: 1089380
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.0 25.6
 139 13.2 10.4 15.6

Manual Integrations
 APPROVED

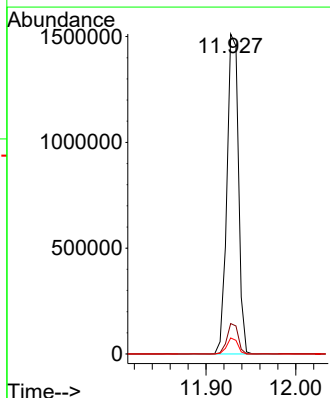
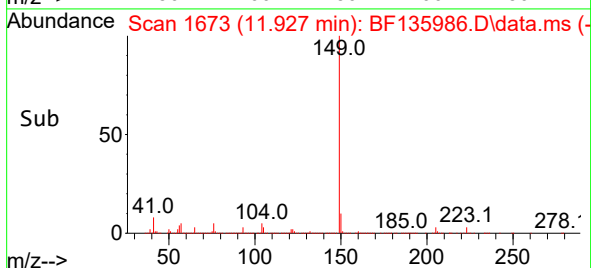
Reviewed By :Yogesh Patel 10/28/2023
 Supervised By :mohammad ahmed 10/28/2023

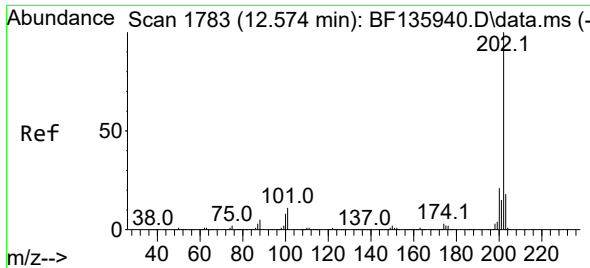


#74
 Di-n-butylphthalate
 Concen: 51.109 ng
 RT: 11.927 min Scan# 1673
 Delta R.T. 0.000 min
 Lab File: BF135986.D
 Acq: 27 Oct 2023 15:59



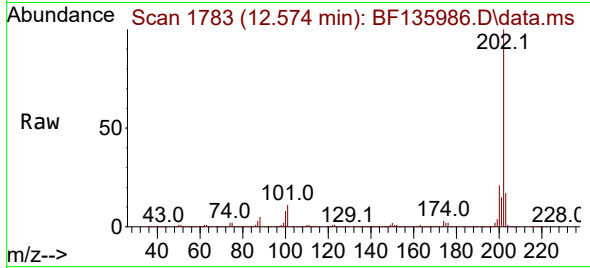
Tgt Ion:149 Resp: 1346230
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.7 11.5
 104 5.0 3.9 5.9





#75
Fluoranthene
Concen: 40.803 ng
RT: 12.574 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

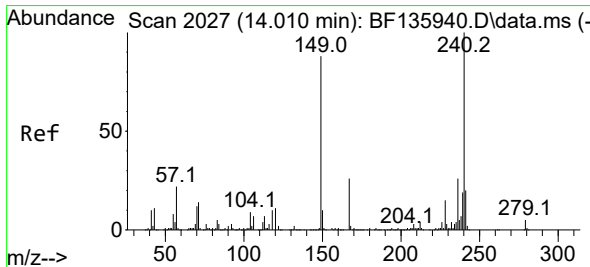
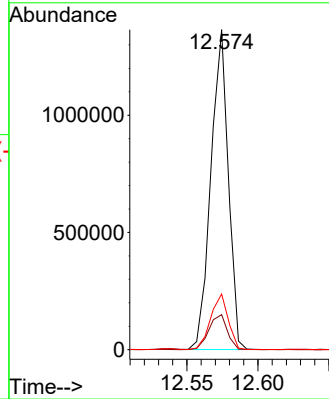
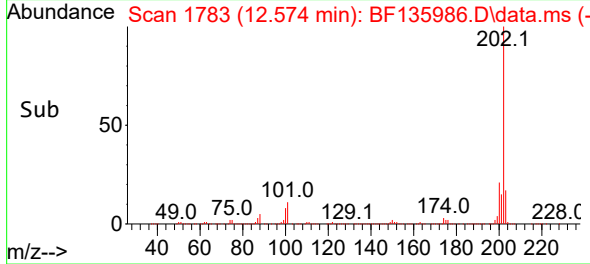
Instrument :
BNA_F
ClientSampleId :
VNJ-218MSD



Tgt Ion:202 Resp: 116333
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.6
203 17.4 0.0 37.5

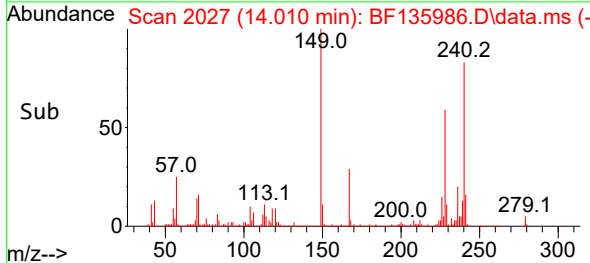
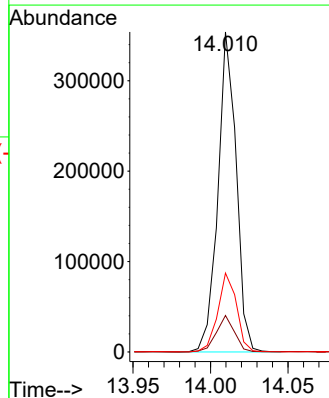
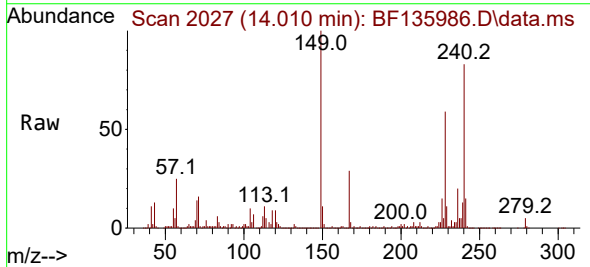
Manual Integrations
APPROVED

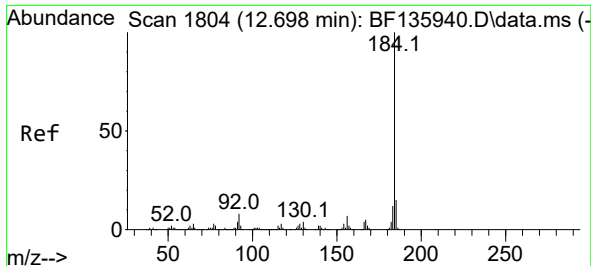
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

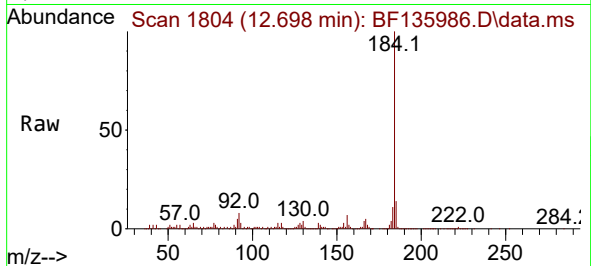
Tgt Ion:240 Resp: 290106
Ion Ratio Lower Upper
240 100
120 11.4 8.6 13.0
236 24.6 20.6 30.8





#77
Benzidine
Concen: 39.334 ng
RT: 12.698 min Scan# 1804
Delta R.T. -0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

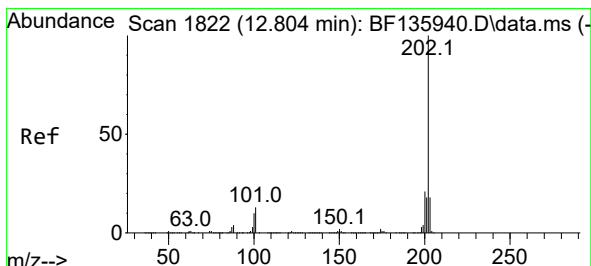
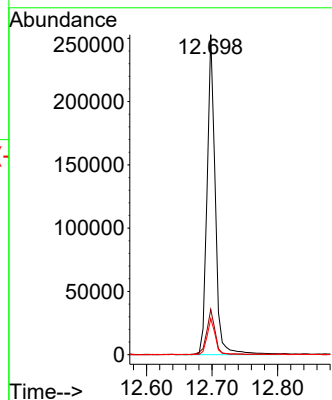
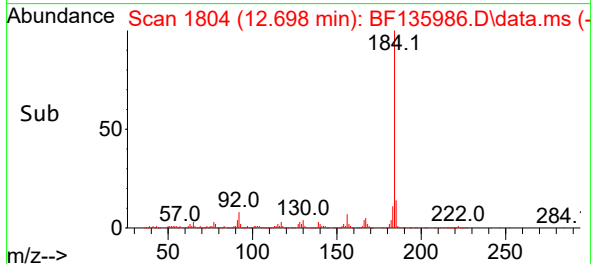
Instrument :
BNA_F
ClientSampleId :
VNJ-218MSD



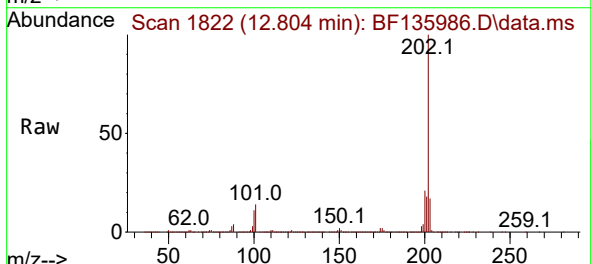
Tgt Ion:184 Resp: 220032
Ion Ratio Lower Upper
184 100
185 14.1 11.7 17.5
183 11.3 9.2 13.8

Manual Integrations
APPROVED

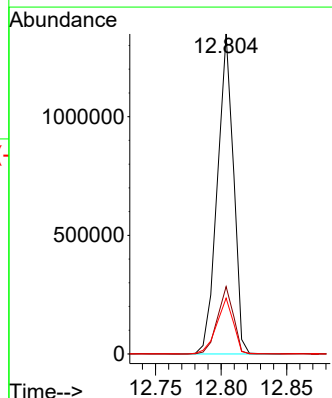
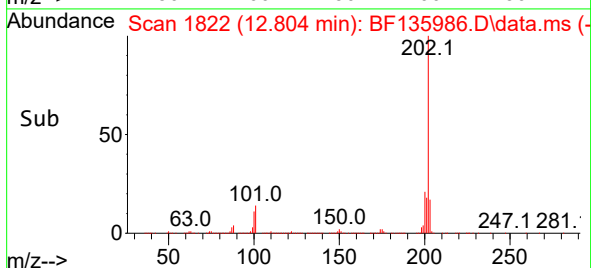
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

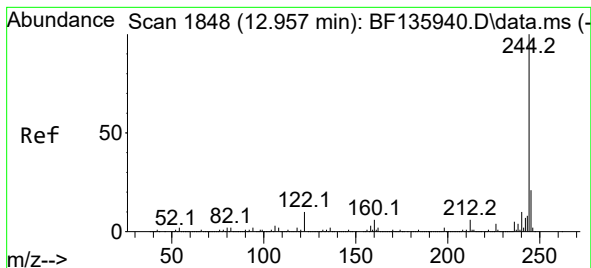


#78
Pyrene
Concen: 47.216 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59



Tgt Ion:202 Resp: 1150119
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.6
203 17.5 14.5 21.7





#79

Terphenyl-d14

Concen: 64.088 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF135986.D

Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

VNJ-218MSD

Tgt Ion:244 Resp: 111278

Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.6

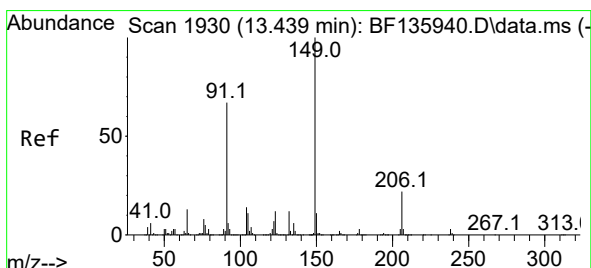
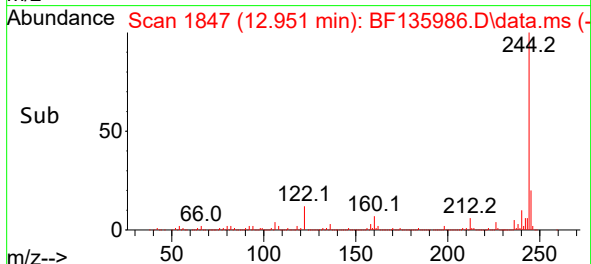
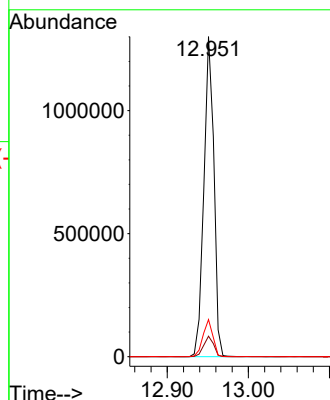
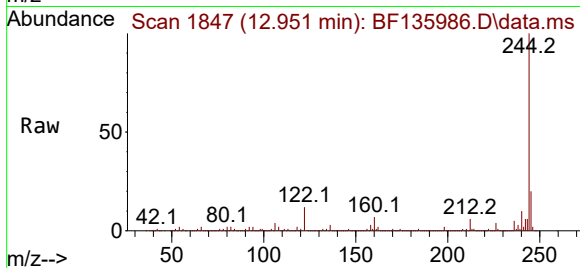
122 11.6 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#80

Butylbenzylphthalate

Concen: 43.438 ng

RT: 13.439 min Scan# 1930

Delta R.T. 0.000 min

Lab File: BF135986.D

Acq: 27 Oct 2023 15:59

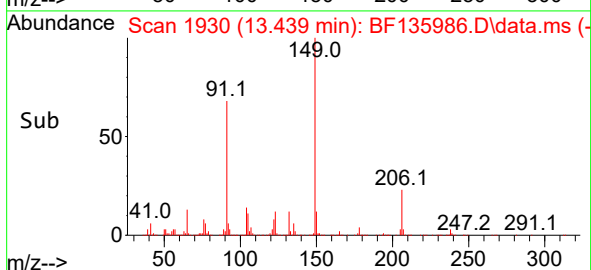
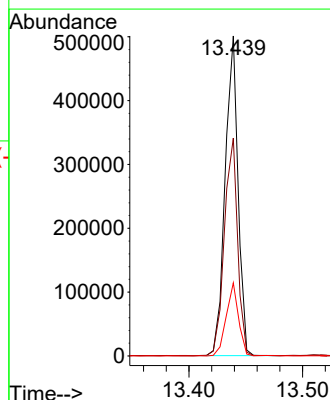
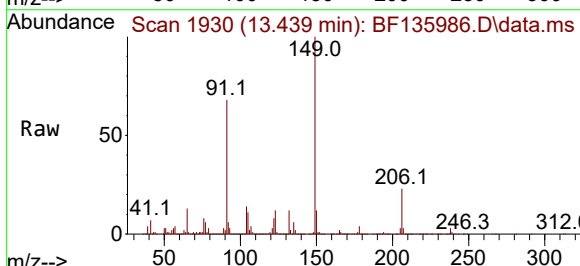
Tgt Ion:149 Resp: 396235

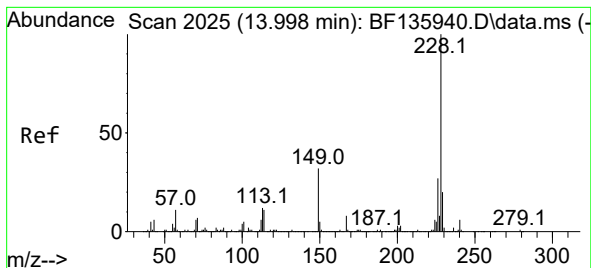
Ion Ratio Lower Upper

149 100

91 68.1 53.4 80.0

206 22.8 17.5 26.3





#81

Benzo(a)anthracene

Concen: 48.972 ng

RT: 13.998 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF135986.D

Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

VNJ-218MSD

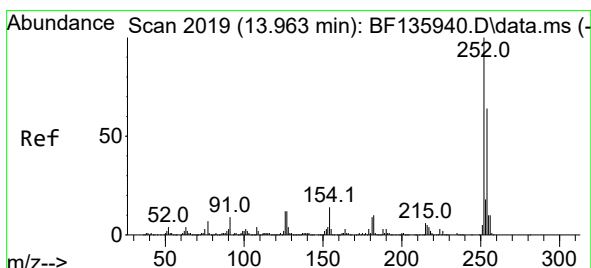
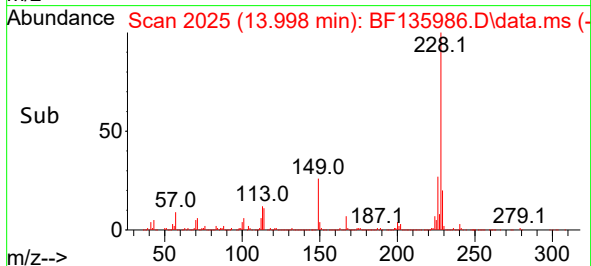
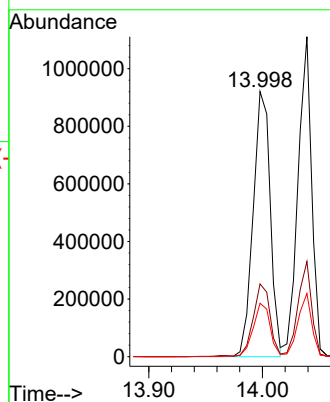
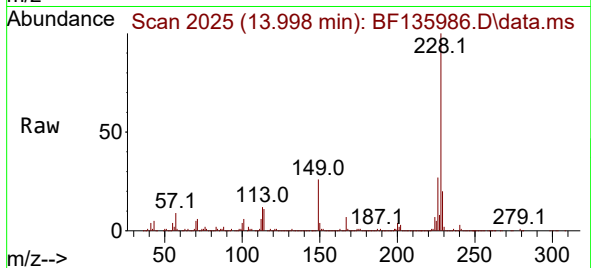
Tgt Ion:228 Resp: 965997
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.8 32.6
 229 20.2 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#82

3,3'-Dichlorobenzidine

Concen: 36.574 ng

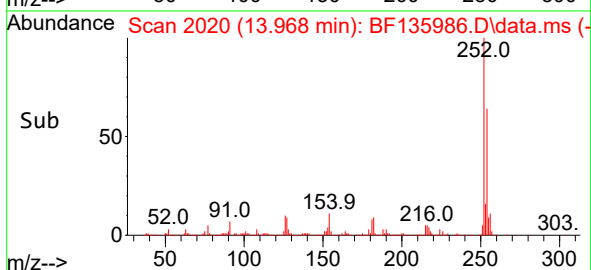
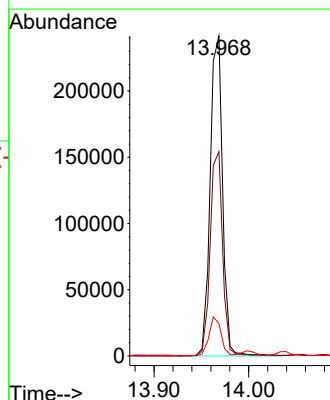
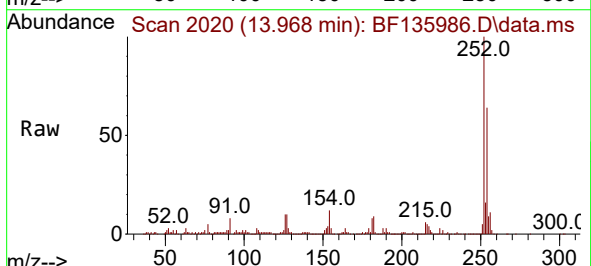
RT: 13.968 min Scan# 2020

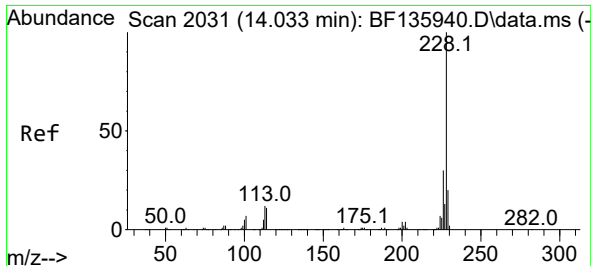
Delta R.T. 0.006 min

Lab File: BF135986.D

Acq: 27 Oct 2023 15:59

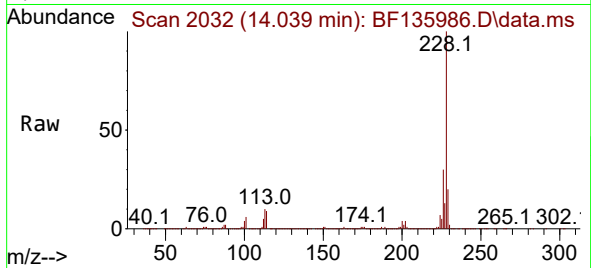
Tgt Ion:252 Resp: 219487
 Ion Ratio Lower Upper
 252 100
 254 63.8 50.9 76.3
 126 10.2 9.8 14.6





#83
Chrysene
Concen: 48.340 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

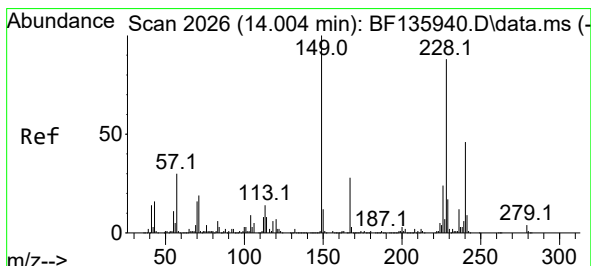
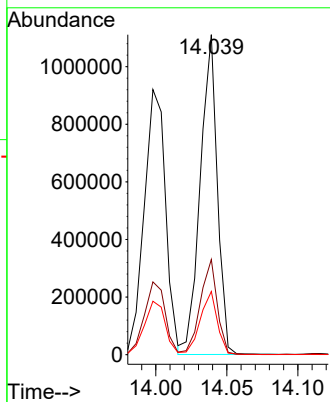
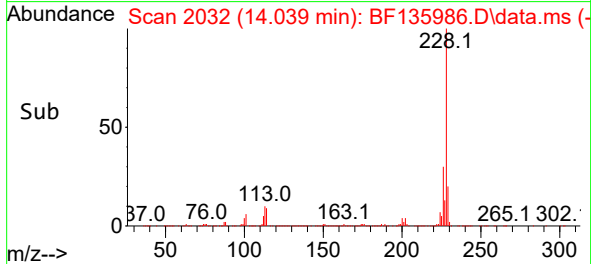
Instrument :
BNA_F
ClientSampleId :
VNJ-218MSD



Tgt Ion:228 Resp: 928698
Ion Ratio Lower Upper
228 100
226 29.8 23.9 35.9
229 19.7 16.2 24.2

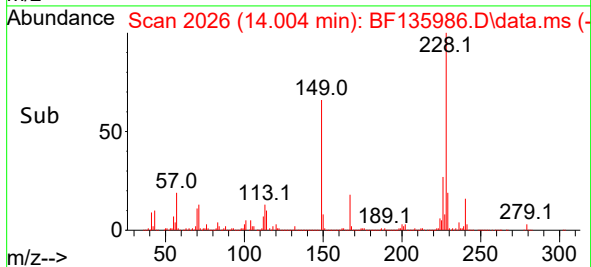
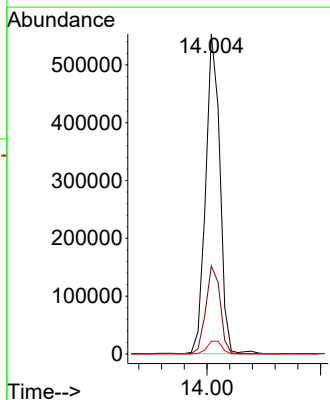
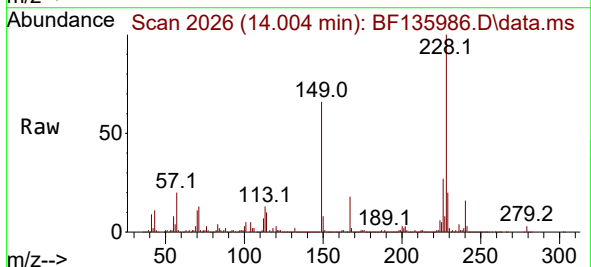
Manual Integrations
APPROVED

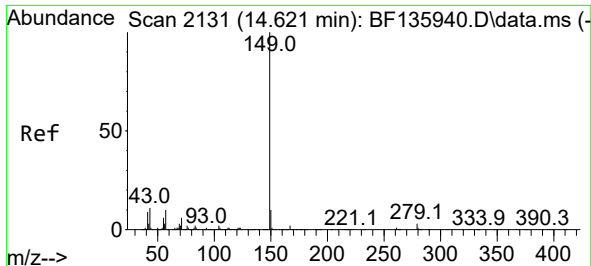
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 47.731 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

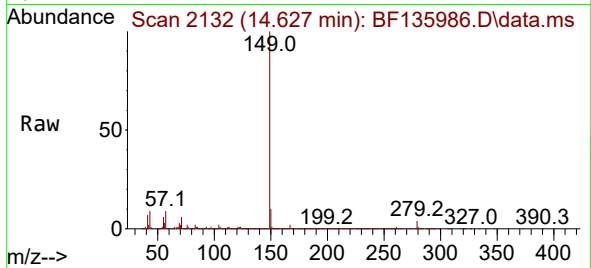
Tgt Ion:149 Resp: 478092
Ion Ratio Lower Upper
149 100
167 27.5 22.2 33.2
279 4.0 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 61.291 ng
RT: 14.627 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

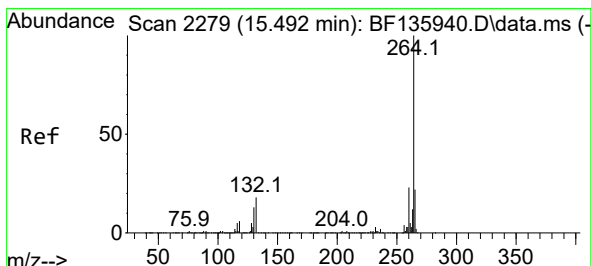
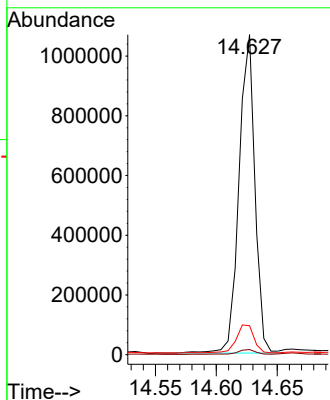
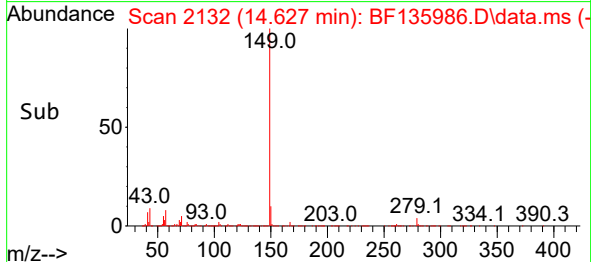
Instrument :
BNA_F
ClientSampleId :
VNJ-218MSD



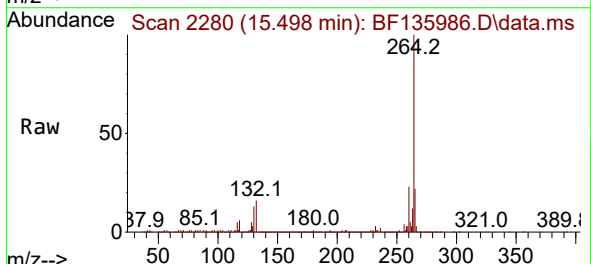
Tgt Ion:149 Resp: 967099
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 10.0 8.6 12.8

Manual Integrations
APPROVED

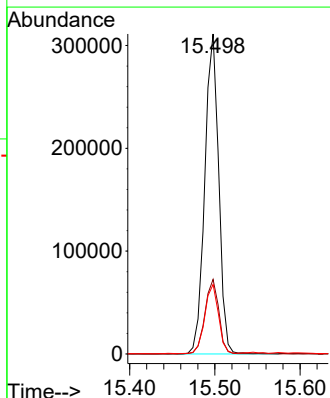
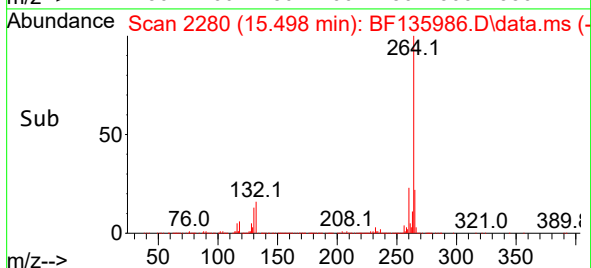
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

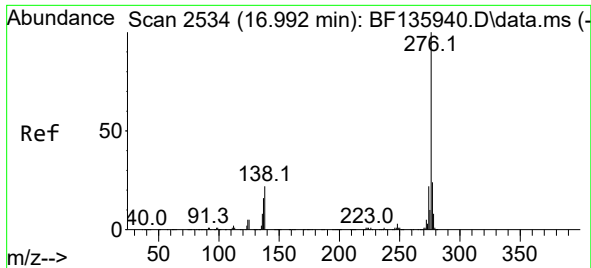


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59



Tgt Ion:264 Resp: 353553
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 21.7 17.3 25.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 38.099 ng
RT: 17.004 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

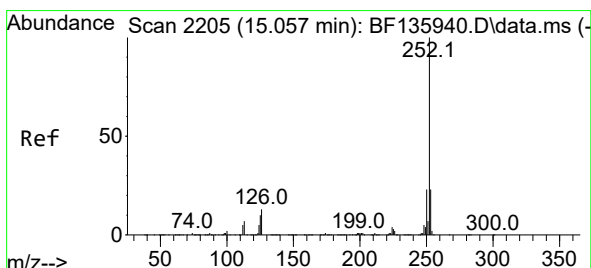
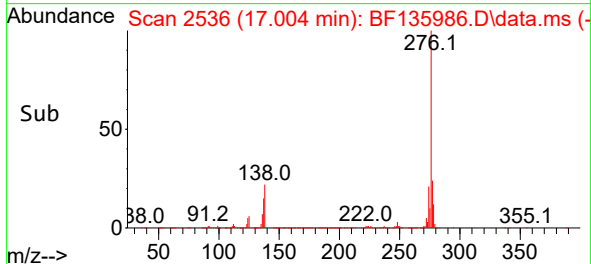
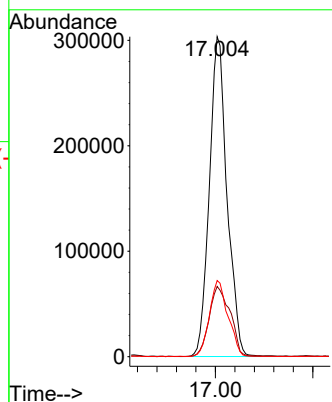
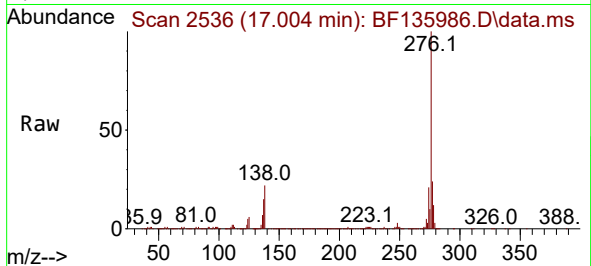
VNJ-218MSD

Tgt Ion:276 Resp: 763789
Ion Ratio Lower Upper
276 100
138 26.0 21.8 32.6
277 24.9 20.0 30.0

Manual Integrations

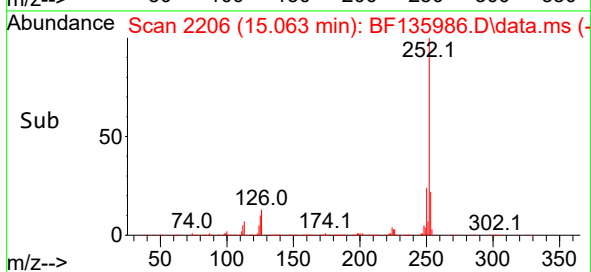
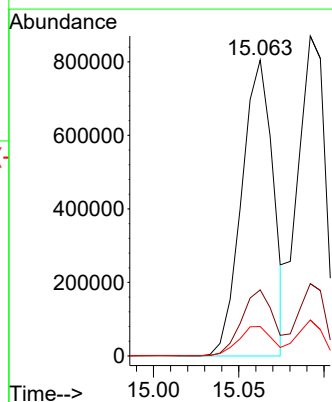
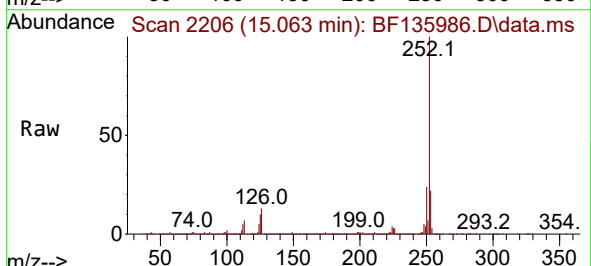
APPROVED

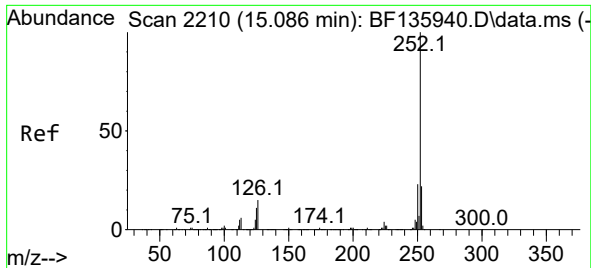
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#88
Benzo(b)fluoranthene
Concen: 49.272 ng
RT: 15.063 min Scan# 2206
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

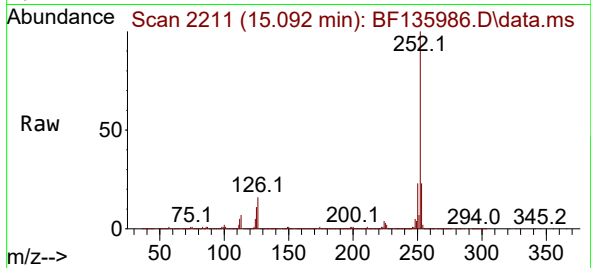
Tgt Ion:252 Resp: 1036723
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 9.9 8.2 12.4





#89
Benzo(k)fluoranthene
Concen: 46.728 ng
RT: 15.092 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

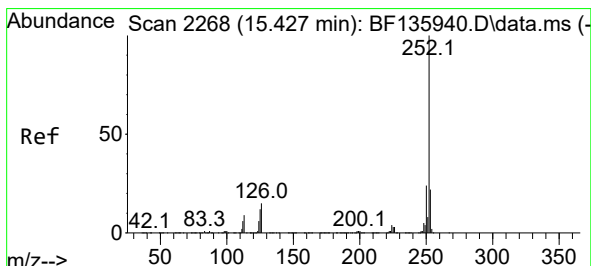
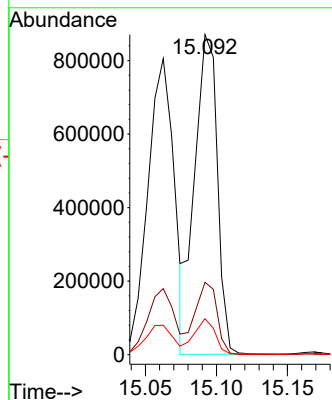
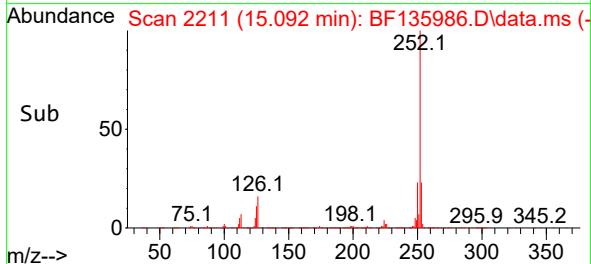
Instrument :
BNA_F
ClientSampleId :
VNJ-218MSD



Tgt Ion:252 Resp: 965618
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 11.3 8.5 12.7

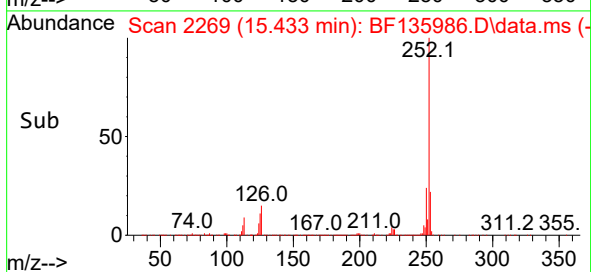
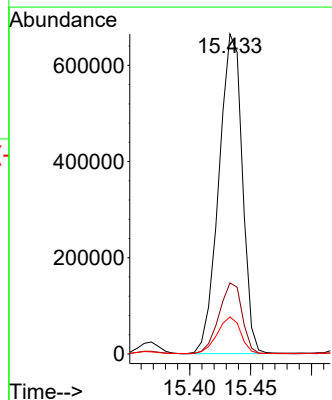
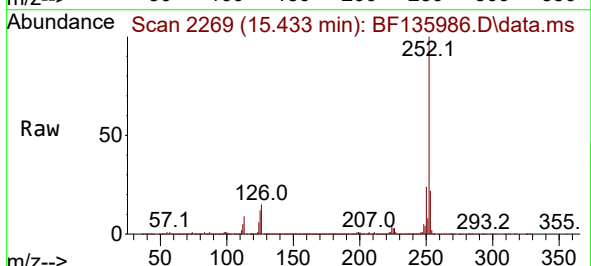
Manual Integrations
APPROVED

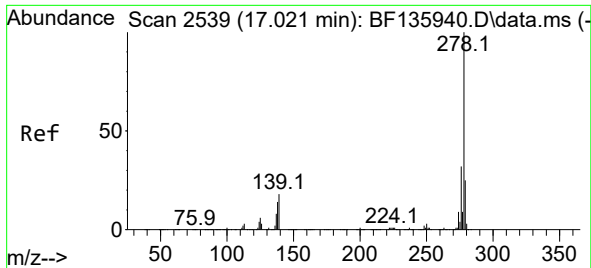
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#90
Benzo(a)pyrene
Concen: 46.013 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Tgt Ion:252 Resp: 892283
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 11.6 9.6 14.4





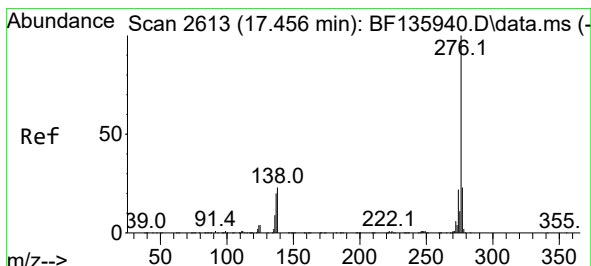
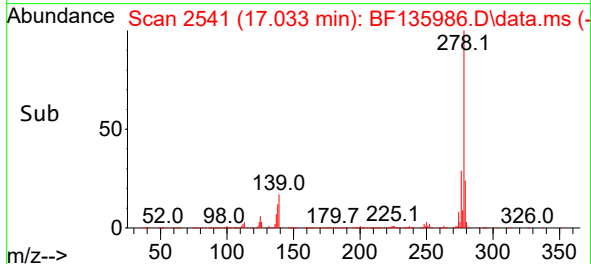
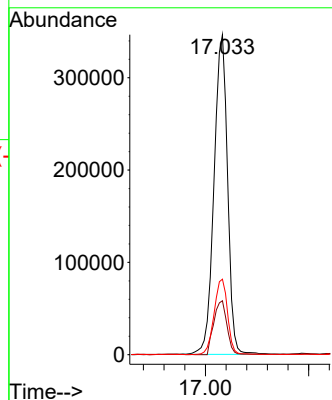
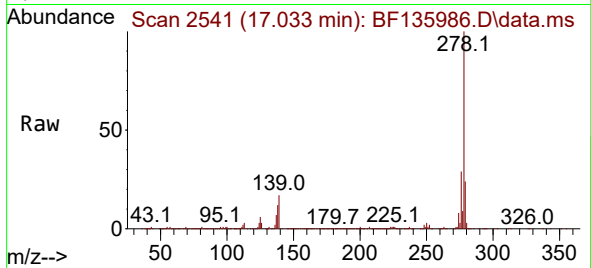
#91
Dibenzo(a,h)anthracene
Concen: 36.739 ng
RT: 17.033 min Scan# 2541
Delta R.T. 0.012 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Instrument :
BNA_F
ClientSampleId :
VNJ-218MSD

Tgt Ion:278 Resp: 630000
Ion Ratio Lower Upper
278 100
139 16.8 14.0 21.0
279 23.6 19.7 29.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#92
Benzo(g,h,i)perylene
Concen: 30.138 ng
RT: 17.462 min Scan# 2614
Delta R.T. 0.006 min
Lab File: BF135986.D
Acq: 27 Oct 2023 15:59

Tgt Ion:276 Resp: 558009
Ion Ratio Lower Upper
276 100
277 24.1 18.6 28.0
138 22.6 18.4 27.6

