

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120523\
 Data File : BF136416.D
 Acq On : 05 Dec 2023 20:22
 Operator : CG\JU
 Sample : PB156824BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB156824BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/07/2023

Quant Time: Dec 06 09:42:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	124151	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	539736	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	285249	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	547472	20.000	ng	0.00
76) Chrysene-d12	13.980	240	311165	20.000	ng	0.00
86) Perylene-d12	15.451	264	245221	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	1103449	131.260	ng	0.02
7) Phenol-d6	6.451	99	1368935	130.517	ng	0.00
23) Nitrobenzene-d5	7.369	82	839603	84.095	ng	0.00
42) 2,4,6-Tribromophenol	10.634	330	458262	130.294	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1722583	82.400	ng	0.00
79) Terphenyl-d14	12.927	244	2084672	88.303	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	130839	39.349	ng	99
3) Pyridine	3.434	79	292364	36.308	ng	98
4) n-Nitrosodimethylamine	3.405	42	162035	46.317	ng	98
6) Aniline	6.469	93	411940	38.863	ng	96
8) 2-Chlorophenol	6.593	128	430285	46.885	ng	98
9) Benzaldehyde	6.357	77	126878	21.297	ng	91
10) Phenol	6.463	94	519058	46.507	ng	87
11) bis(2-Chloroethyl)ether	6.546	93	385942	46.393	ng	97
12) 1,3-Dichlorobenzene	6.746	146	446001	43.213	ng	99
13) 1,4-Dichlorobenzene	6.822	146	454156	43.378	ng	97
14) 1,2-Dichlorobenzene	6.969	146	428460	43.519	ng	99
15) Benzyl Alcohol	6.951	79	341858	48.674	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.081	45	495969	46.354	ng	98
17) 2-Methylphenol	7.063	107	354913	47.867	ng	97
18) Hexachloroethane	7.310	117	159873	43.737	ng	96
19) n-Nitroso-di-n-propyla...	7.222	70	281883	46.590	ng	99
20) 3+4-Methylphenols	7.210	107	420555	45.697	ng	95
22) Acetophenone	7.216	105	596152	44.729	ng	97
24) Nitrobenzene	7.387	77	423764	42.192	ng	99
25) Isophorone	7.622	82	777009	43.318	ng	99
26) 2-Nitrophenol	7.698	139	227763	46.128	ng	98
27) 2,4-Dimethylphenol	7.740	122	377476	61.999	ng	97
28) bis(2-Chloroethoxy)met...	7.834	93	482710	43.795	ng	99
29) 2,4-Dichlorophenol	7.940	162	358519	44.612	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	398537	42.530	ng	98
31) Naphthalene	8.104	128	1257804	42.259	ng	100
32) Benzoic acid	7.881	122	281653	46.633	ng	98
33) 4-Chloroaniline	8.151	127	378060	35.628	ng	99
34) Hexachlorobutadiene	8.216	225	226181	40.727	ng	99
35) Caprolactam	8.534	113	117354m	47.420	ng	
36) 4-Chloro-3-methylphenol	8.640	107	383153	44.903	ng	99
37) 2-Methylnaphthalene	8.792	142	816347	43.111	ng	99
38) 1-Methylnaphthalene	8.892	142	759574	40.879	ng	99
40) 1,2,4,5-Tetrachloroben...	8.963	216	389774	43.921	ng	99
41) Hexachlorocyclopentadiene	8.945	237	422688	128.564	ng	99
43) 2,4,6-Trichlorophenol	9.075	196	257727	44.602	ng	100

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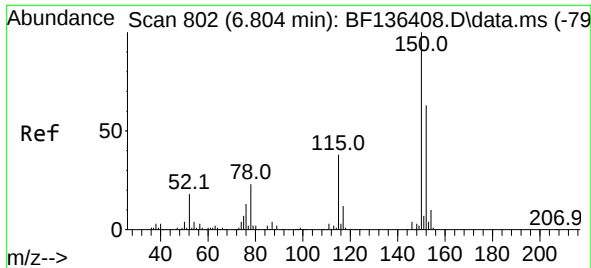
Manual Integrations
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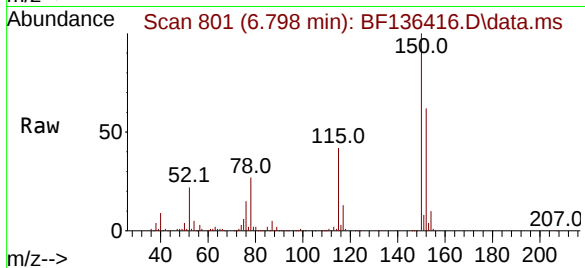
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	283939	44.026	ng	97
46) 1,1'-Biphenyl	9.263	154	1053464	43.403	ng	99
47) 2-Chloronaphthalene	9.287	162	786709	41.644	ng	99
48) 2-Nitroaniline	9.387	65	231684	45.727	ng	89
49) Acenaphthylene	9.698	152	1198442	44.533	ng	99
50) Dimethylphthalate	9.569	163	926865	44.134	ng	100
51) 2,6-Dinitrotoluene	9.628	165	205632	43.523	ng	96
52) Acenaphthene	9.875	154	748386	43.398	ng	97
53) 3-Nitroaniline	9.798	138	187153	38.791	ng	95
54) 2,4-Dinitrophenol	9.910	184	234831	98.306	ng	94
55) Dibenzofuran	10.045	168	1105733	43.891	ng	99
56) 4-Nitrophenol	9.969	139	341327	94.373	ng	99
57) 2,4-Dinitrotoluene	10.034	165	277620	44.418	ng	91
58) Fluorene	10.392	166	870659	43.053	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.163	232	245577	47.537	ng	99
60) Diethylphthalate	10.269	149	921045	44.601	ng	99
61) 4-Chlorophenyl-phenyle...	10.381	204	424072	43.016	ng	99
62) 4-Nitroaniline	10.422	138	215935	45.074	ng	99
63) Azobenzene	10.545	77	825216	43.902	ng	98
65) 4,6-Dinitro-2-methylph...	10.445	198	162955	48.061	ng	94
66) n-Nitrosodiphenylamine	10.504	169	778165	44.296	ng	99
67) 4-Bromophenyl-phenylether	10.875	248	274857	43.181	ng	98
68) Hexachlorobenzene	10.939	284	313462	42.609	ng	# 90
69) Atrazine	11.033	200	185669	37.030	ng	99
70) Pentachlorophenol	11.133	266	341777	82.316	ng	99
71) Phenanthrene	11.357	178	1359337	45.173	ng	100
72) Anthracene	11.410	178	1365852	45.065	ng	99
73) Carbazole	11.563	167	1181519	44.045	ng	99
74) Di-n-butylphthalate	11.898	149	1476168	44.888	ng	100
75) Fluoranthene	12.545	202	1382401	43.838	ng	99
77) Benzidine	12.669	184	215823	33.880	ng	97
78) Pyrene	12.775	202	1374103	45.091	ng	100
80) Butylbenzylphthalate	13.404	149	521775	48.097	ng	97
81) Benzo(a)anthracene	13.969	228	980881	45.255	ng	100
82) 3,3'-Dichlorobenzidine	13.933	252	321364	52.881	ng	99
83) Chrysene	14.010	228	947237	44.419	ng	98
84) Bis(2-ethylhexyl)phtha...	13.963	149	662015	49.779	ng	99
85) Di-n-octyl phthalate	14.580	149	998627	50.836	ng	99
87) Indeno(1,2,3-cd)pyrene	16.962	276	885118	51.956	ng	99
88) Benzo(b)fluoranthene	15.021	252	831477	49.592	ng	100
89) Benzo(k)fluoranthene	15.057	252	730179	46.211	ng	98
90) Benzo(a)pyrene	15.392	252	661203	47.753	ng	99
91) Dibenzo(a,h)anthracene	16.986	278	736050	52.738	ng	100
92) Benzo(g,h,i)perylene	17.427	276	734733	51.290	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

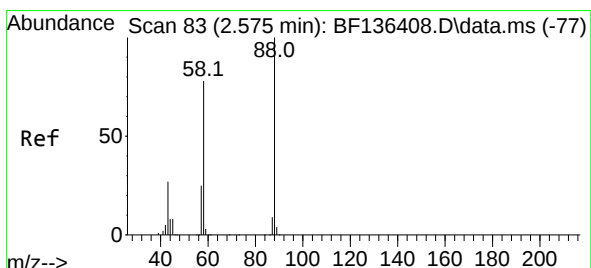
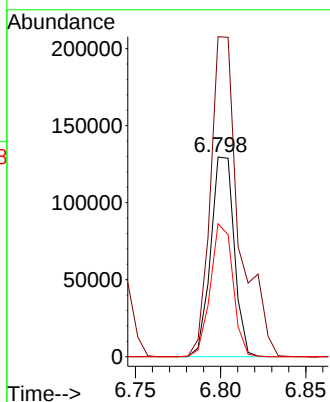
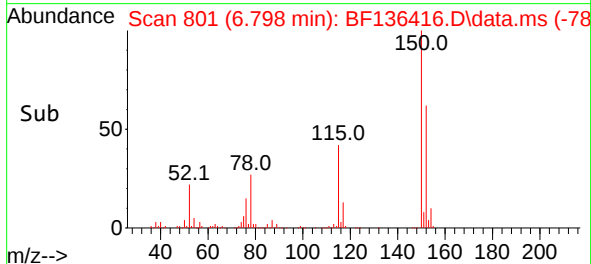
Instrument :
BNA_F
ClientSampleId :
PB156824BS



Tgt Ion:152 Resp: 12415
Ion Ratio Lower Upper
152 100
150 160.3 126.4 189.6
115 66.6 48.2 72.4

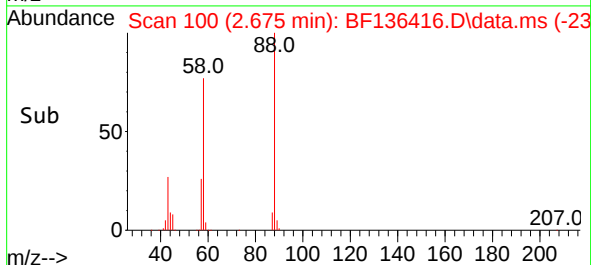
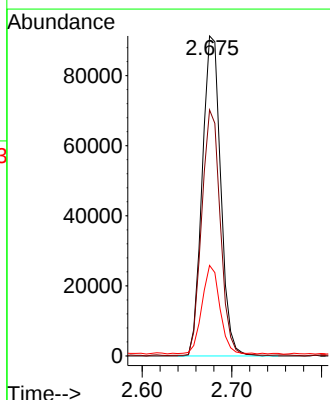
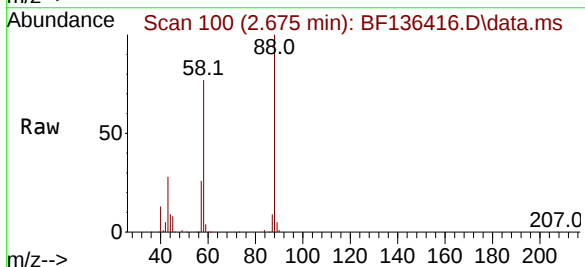
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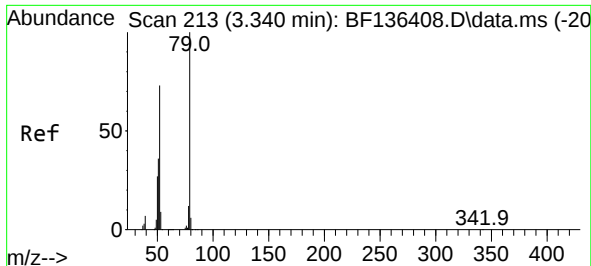
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#2
1,4-Dioxane
Concen: 39.349 ng
RT: 2.675 min Scan# 100
Delta R.T. 0.100 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

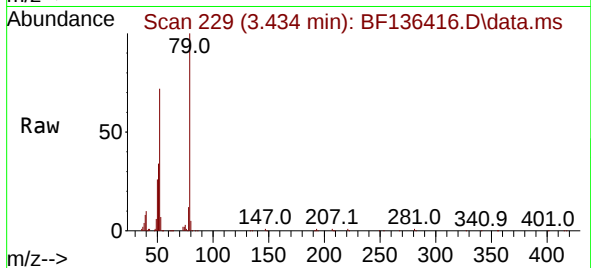
Tgt Ion: 88 Resp: 130839
Ion Ratio Lower Upper
88 100
58 76.7 62.2 93.2
43 26.7 21.5 32.3





#3
Pyridine
Concen: 36.308 ng
RT: 3.434 min Scan# 213
Delta R.T. 0.094 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

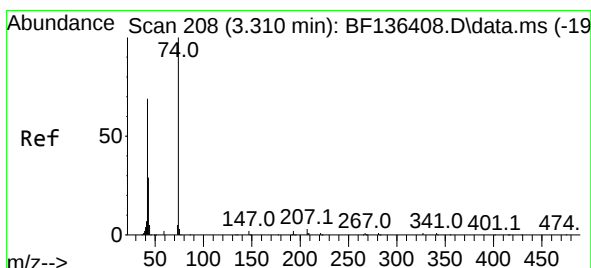
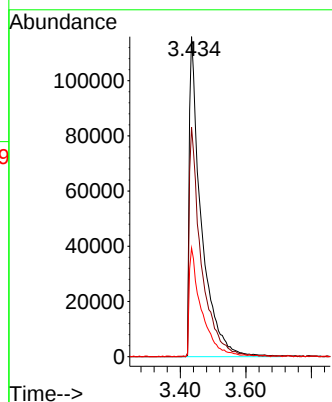
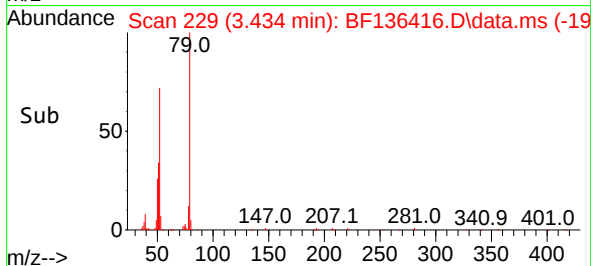
Instrument :
BNA_F
ClientSampleId :
PB156824BS



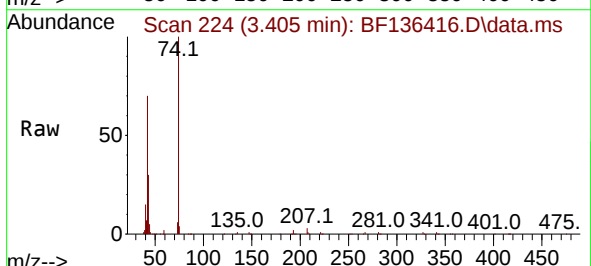
Tgt Ion: 79 Resp: 292364
Ion Ratio Lower Upper
79 100
52 71.7 58.2 87.2
51 34.0 29.1 43.7

Manual Integrations
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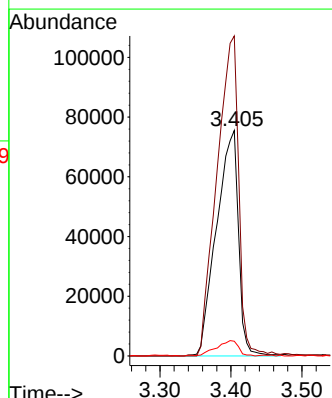
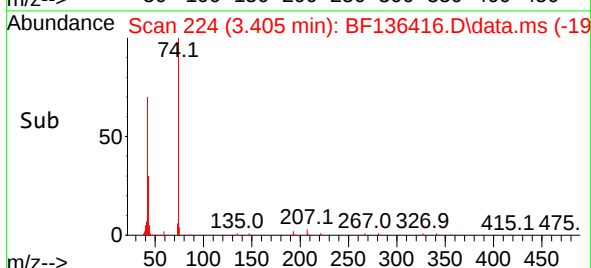
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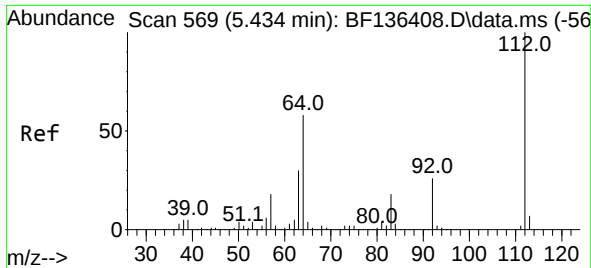


#4
n-Nitrosodimethylamine
Concen: 46.317 ng
RT: 3.405 min Scan# 224
Delta R.T. 0.094 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22



Tgt Ion: 42 Resp: 162035
Ion Ratio Lower Upper
42 100
74 142.0 115.4 173.0
44 6.5 6.2 9.2





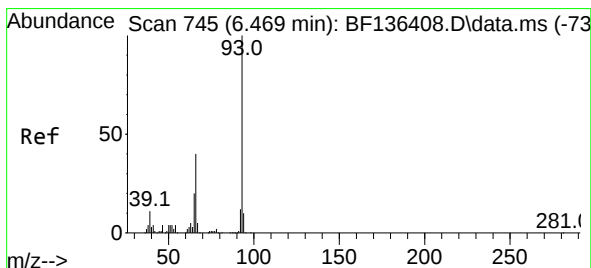
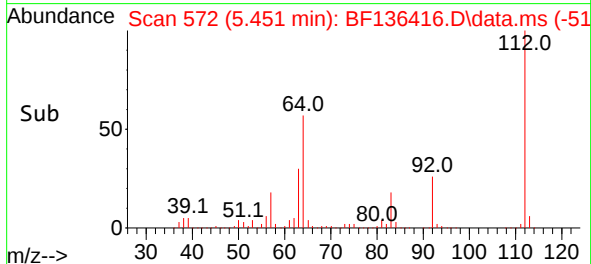
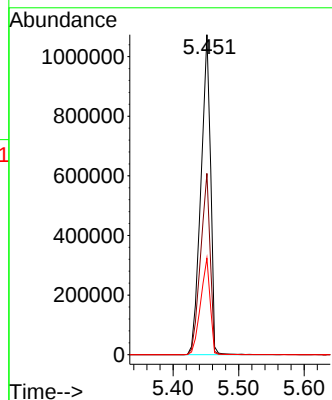
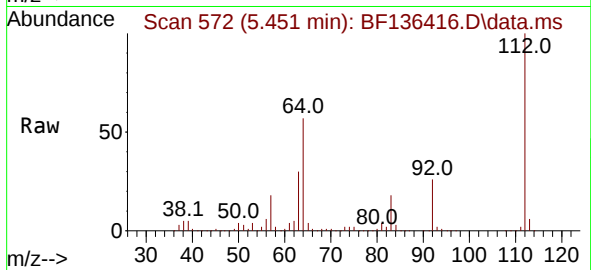
#5
2-Fluorophenol
Concen: 131.260 ng
RT: 5.451 min Scan# 511
Delta R.T. 0.018 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Instrument :
BNA_F
ClientSampleId :
PB156824BS

Tgt Ion:112 Resp: 1103449
Ion Ratio Lower Upper
112 100
64 56.7 46.5 69.7
63 30.2 23.9 35.9

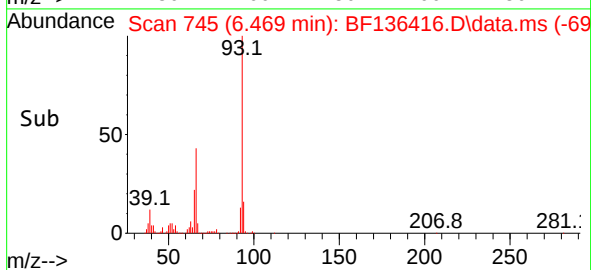
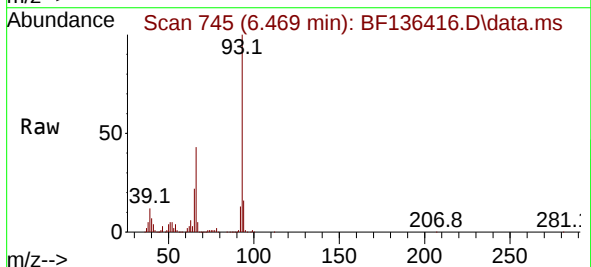
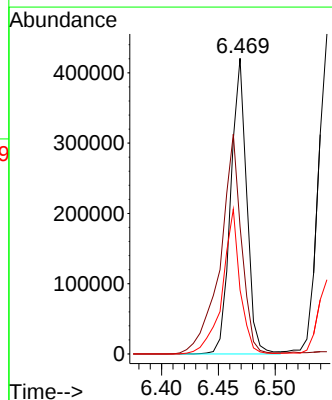
Manual Integrations
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#6
Aniline
Concen: 38.863 ng
RT: 6.469 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

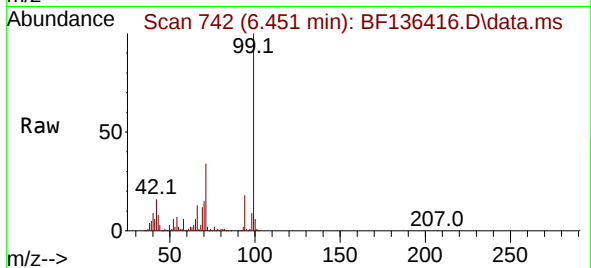
Tgt Ion: 93 Resp: 411940
Ion Ratio Lower Upper
93 100
66 43.1 32.5 48.7
65 21.7 16.4 24.6





#7
Phenol-d6
Concen: 130.517 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

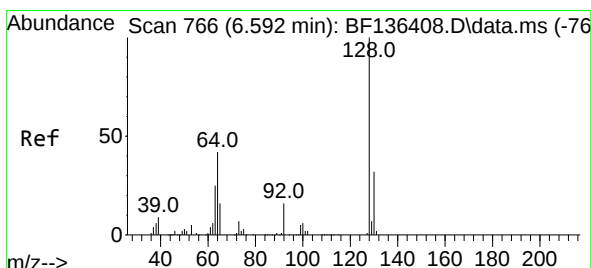
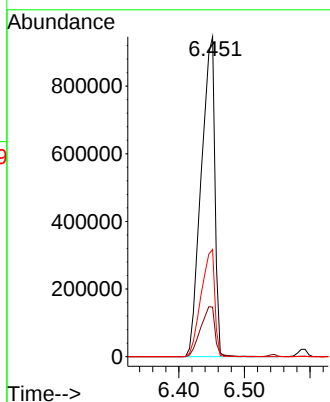
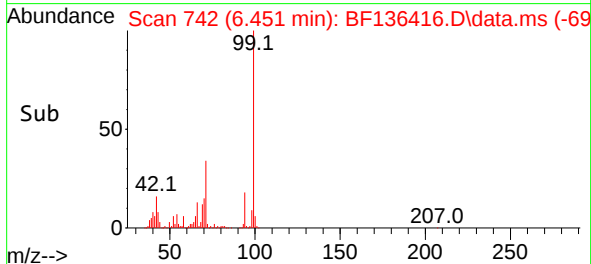
Instrument :
BNA_F
ClientSampleId :
PB156824BS



Tgt Ion: 99 Resp: 1368935
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 33.6 27.0 40.4

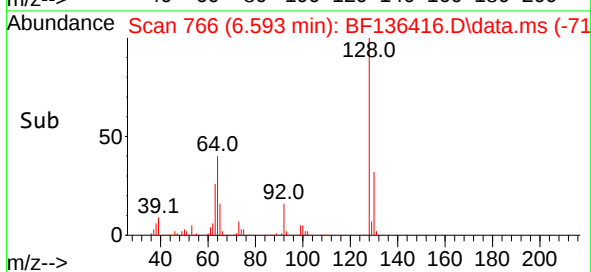
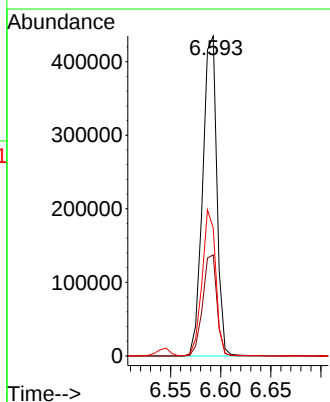
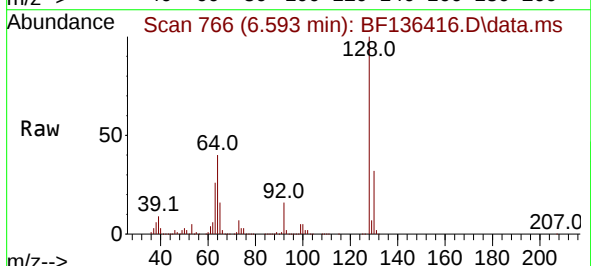
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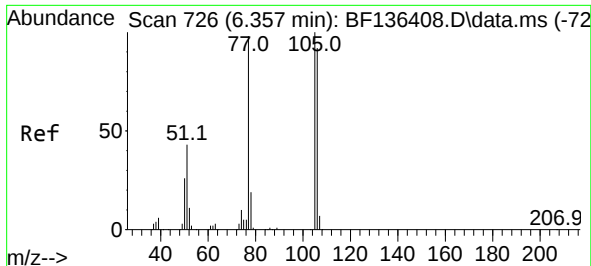
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#8
2-Chlorophenol
Concen: 46.885 ng
RT: 6.593 min Scan# 766
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

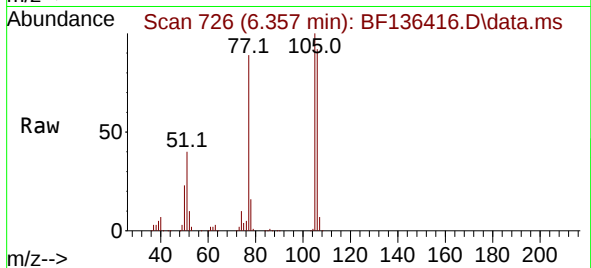
Tgt Ion:128 Resp: 430285
Ion Ratio Lower Upper
128 100
130 31.6 11.7 51.7
64 39.9 22.5 62.5





#9
Benzaldehyde
Concen: 21.297 ng
RT: 6.357 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

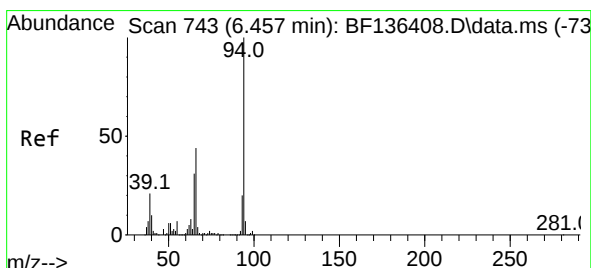
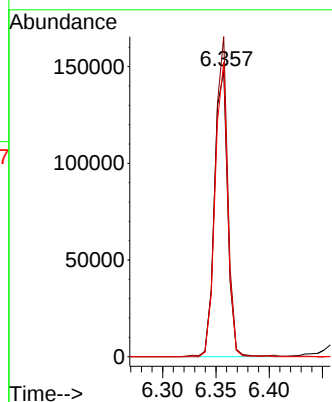
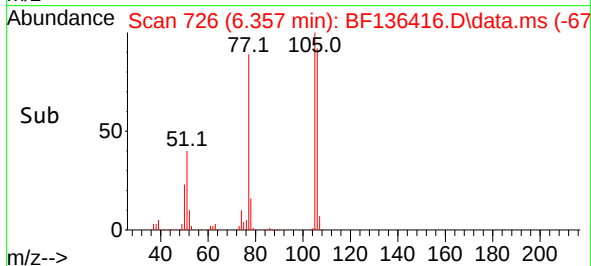
Instrument :
BNA_F
ClientSampleId :
PB156824BS



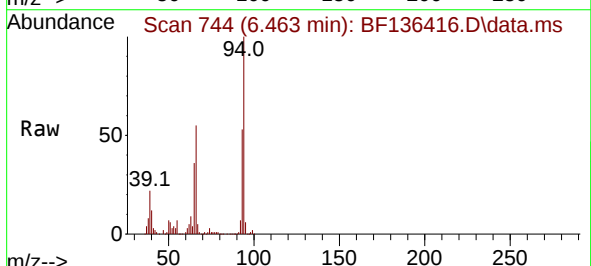
Tgt Ion: 77 Resp: 126878
Ion Ratio Lower Upper
77 100
105 112.0 82.5 122.5
106 103.1 74.5 114.5

Manual Integrations
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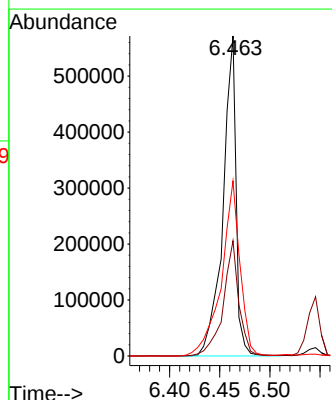
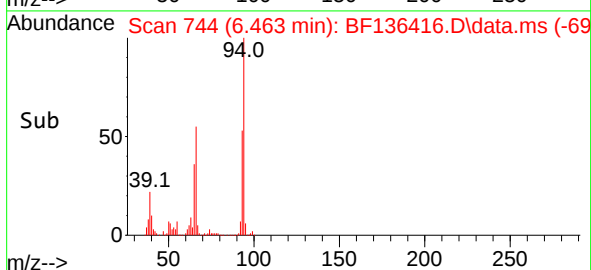
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#10
Phenol
Concen: 46.507 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22



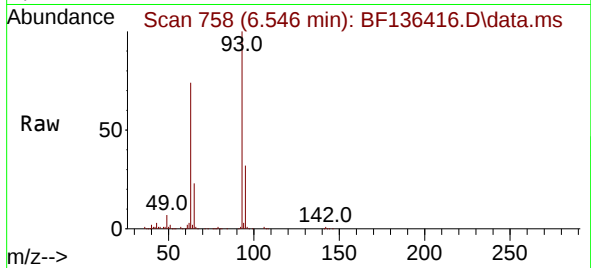
Tgt Ion: 94 Resp: 519058
Ion Ratio Lower Upper
94 100
65 36.0 11.2 51.2
66 54.7 24.2 64.2





#11
bis(2-Chloroethyl)ether
Concen: 46.393 ng
RT: 6.546 min Scan# 711
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

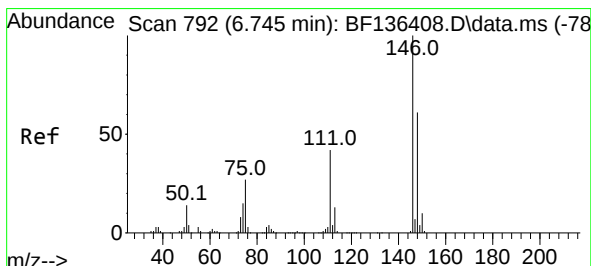
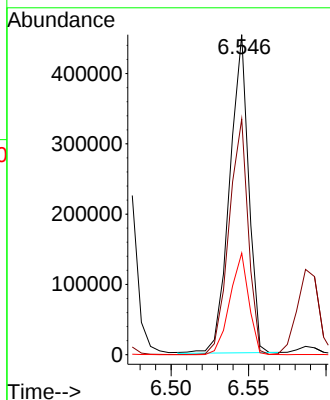
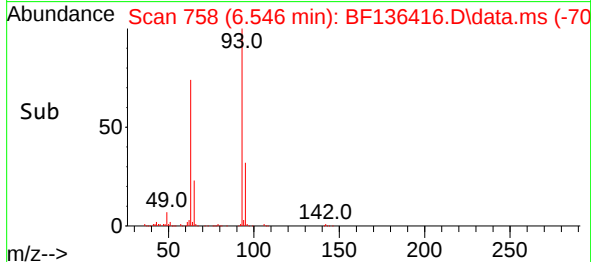
Instrument :
BNA_F
ClientSampleId :
PB156824BS



Tgt Ion: 93 Resp: 38594
Ion Ratio Lower Upper
93 100
63 73.7 56.8 96.8
95 31.8 11.8 51.8

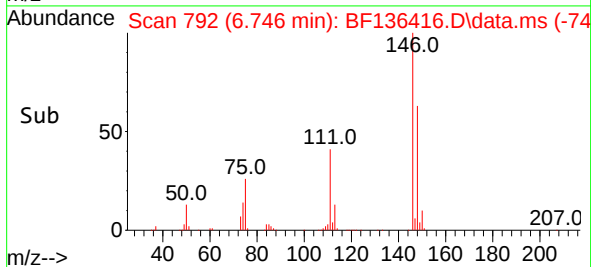
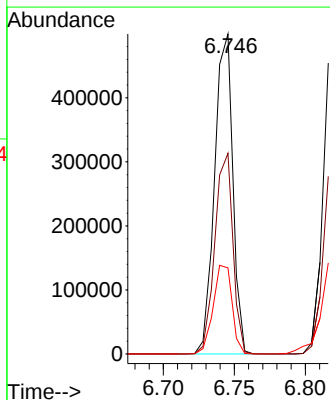
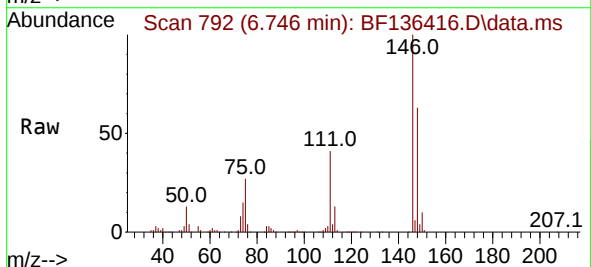
Manual Integrations
APPROVED

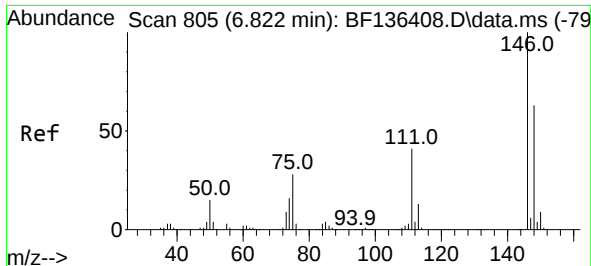
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#12
1,3-Dichlorobenzene
Concen: 43.213 ng
RT: 6.746 min Scan# 792
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Tgt Ion:146 Resp: 446001
Ion Ratio Lower Upper
146 100
148 62.7 49.0 73.6
75 26.9 21.8 32.6





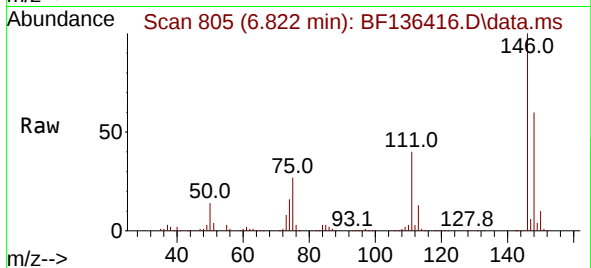
#13
1,4-Dichlorobenzene
Concen: 43.378 ng
RT: 6.822 min Scan# 805
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

PB156824BS

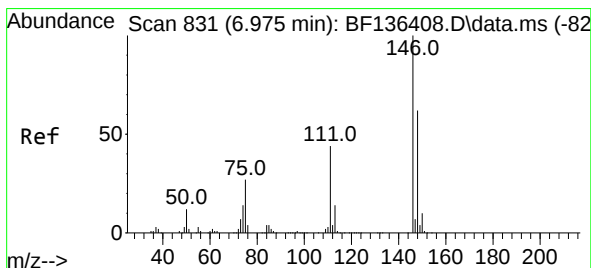
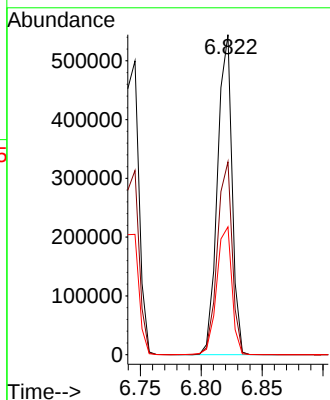
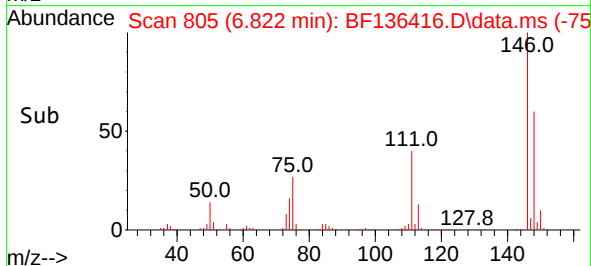


Tgt Ion:146 Resp: 454150
Ion Ratio Lower Upper
146 100
148 60.2 50.3 75.5
111 39.9 32.6 49.0

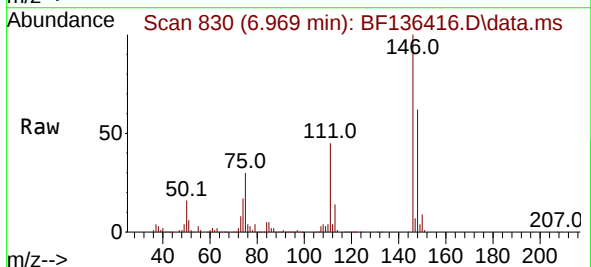
Manual Integrations

APPROVED

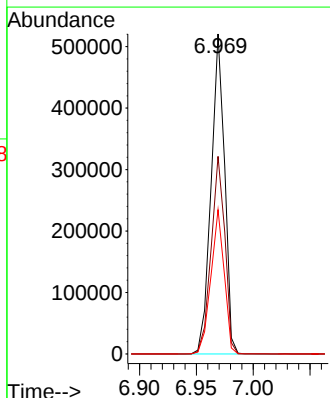
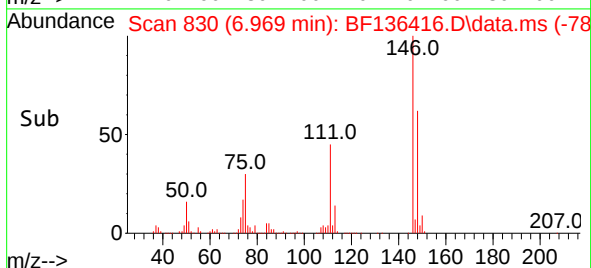
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

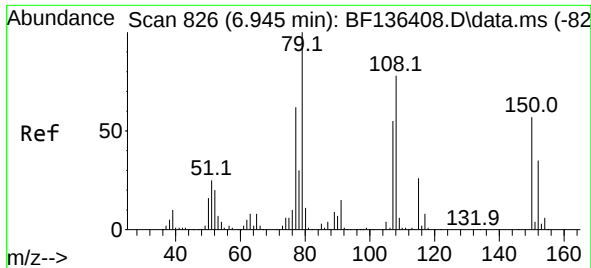


#14
1,2-Dichlorobenzene
Concen: 43.519 ng
RT: 6.969 min Scan# 830
Delta R.T. -0.006 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22



Tgt Ion:146 Resp: 428460
Ion Ratio Lower Upper
146 100
148 61.8 49.8 74.6
111 45.1 34.9 52.3





#15
Benzyl Alcohol
Concen: 48.674 ng
RT: 6.951 min Scan# 826
Delta R.T. 0.006 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

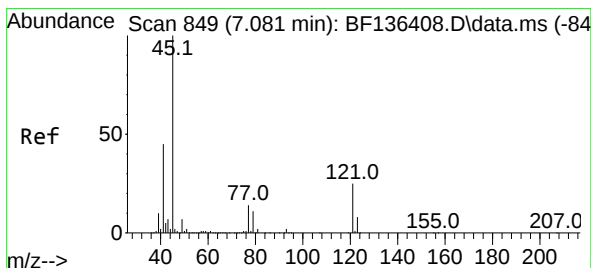
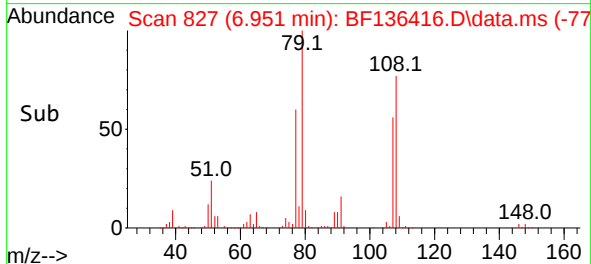
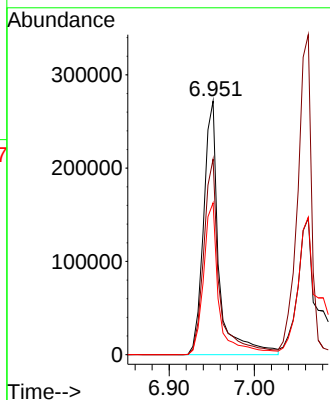
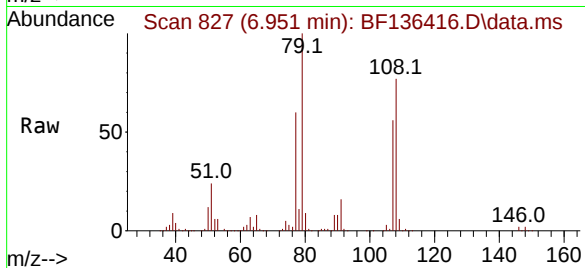
ClientSampleId :

PB156824BS

Tgt Ion: 79 Resp: 34185
Ion Ratio Lower Upper
79 100
108 77.1 62.3 93.5
77 59.8 49.8 74.8

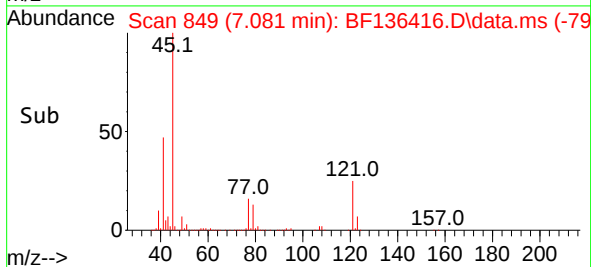
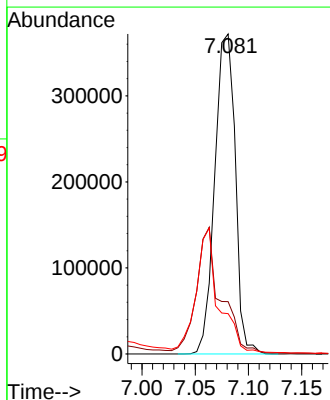
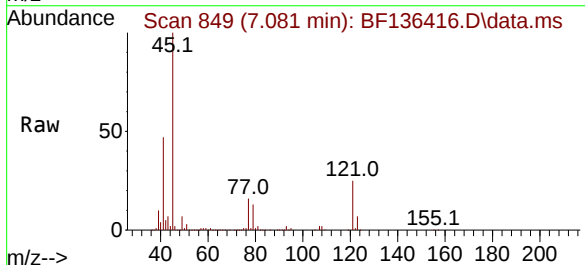
Manual Integrations
APPROVED

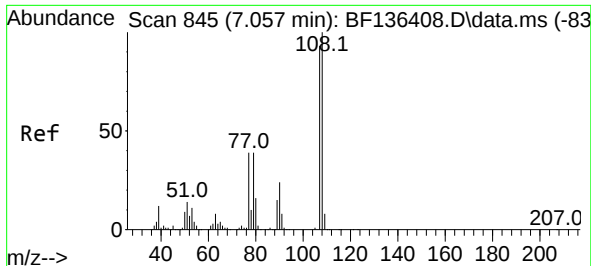
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.354 ng
RT: 7.081 min Scan# 849
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

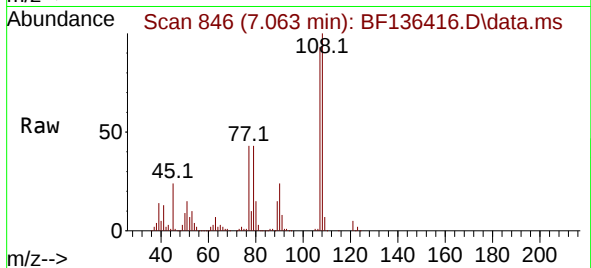
Tgt Ion: 45 Resp: 495969
Ion Ratio Lower Upper
45 100
77 16.4 0.0 35.3
79 12.6 0.0 32.5





#17
2-Methylphenol
Concen: 47.867 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.006 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

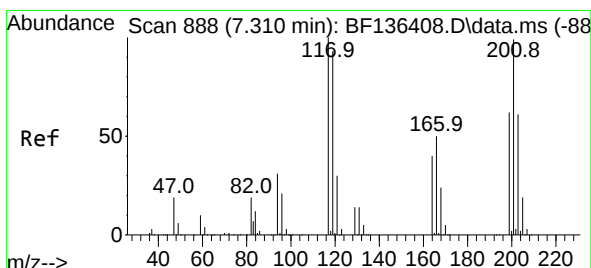
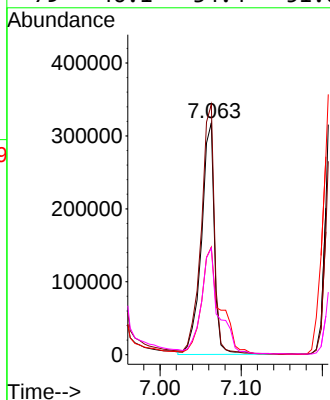
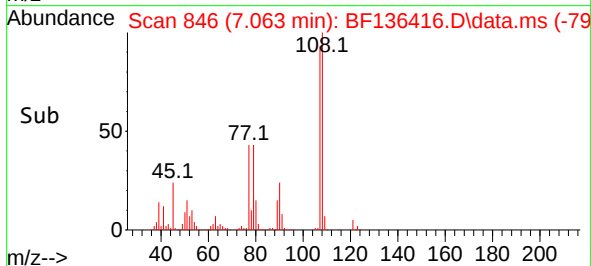
Instrument :
BNA_F
ClientSampleId :
PB156824BS



Tgt Ion:	107	Resp:	35491
Ion Ratio	Lower	Upper	
107	100		
108	108.0	86.5	129.7
77	46.4	33.8	50.8
79	46.1	34.4	51.6

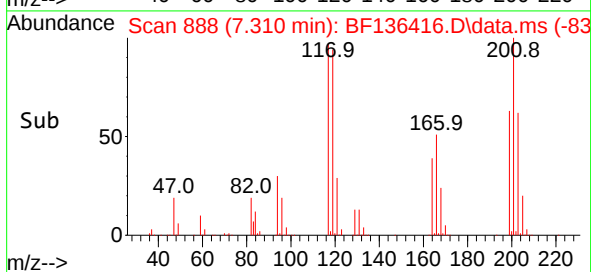
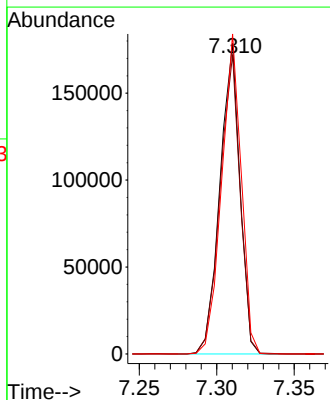
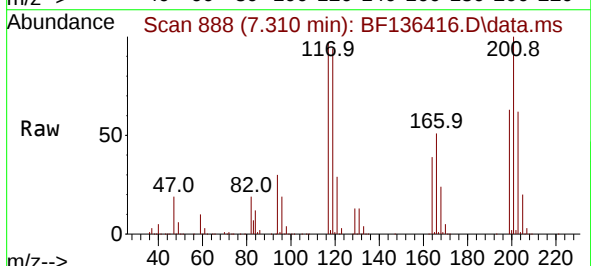
Manual Integrations
APPROVED

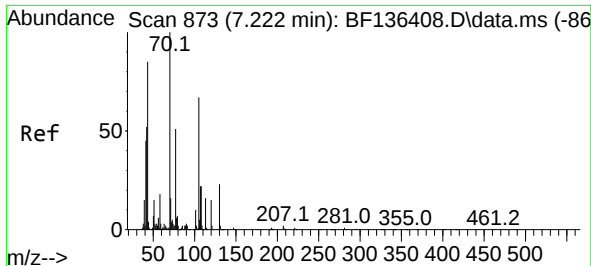
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#18
Hexachloroethane
Concen: 43.737 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

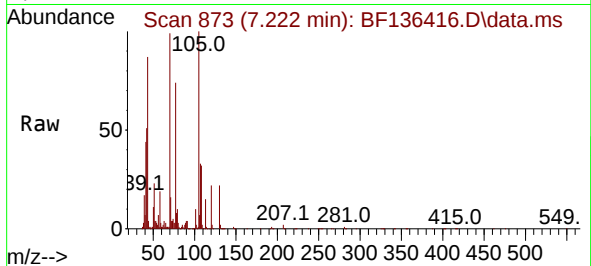
Tgt Ion:	117	Resp:	159873
Ion Ratio	Lower	Upper	
117	100		
119	96.3	74.3	111.5
201	103.0	79.3	118.9





#19
n-Nitroso-di-n-propylamine
Concen: 46.590 ng
RT: 7.222 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

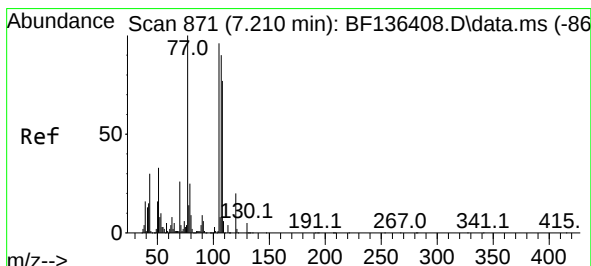
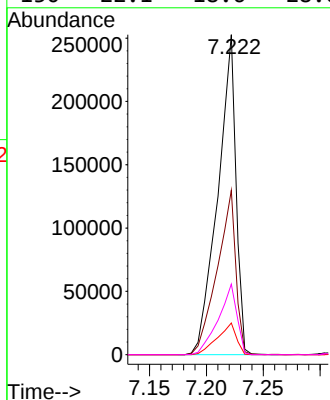
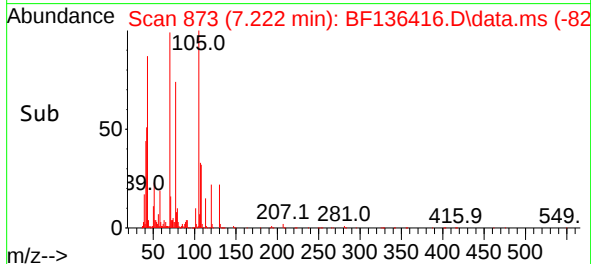
Instrument :
BNA_F
ClientSampleId :
PB156824BS



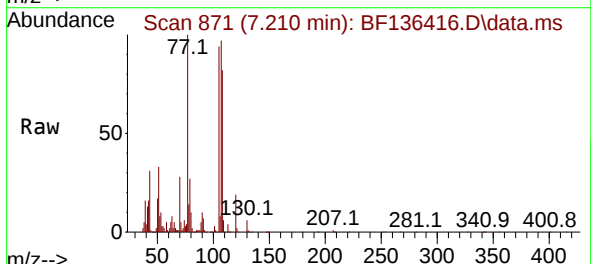
Tgt Ion: 70 Resp: 28188
Ion Ratio Lower Upper
70 100
42 51.3 41.4 62.0
101 9.9 8.2 12.4
130 22.1 18.6 28.0

Manual Integrations
APPROVED

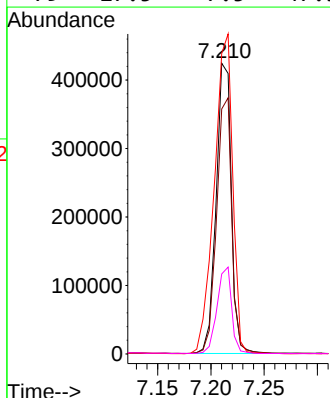
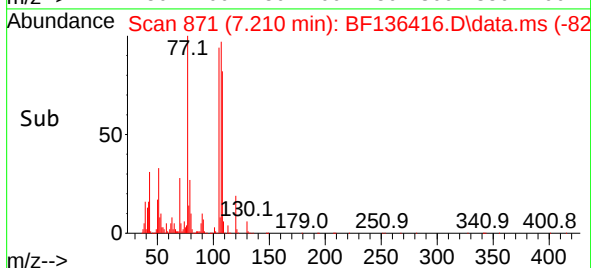
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

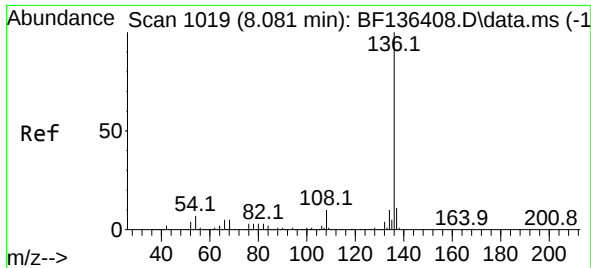


#20
3+4-Methylphenols
Concen: 45.697 ng
RT: 7.210 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22



Tgt Ion:107 Resp: 420555
Ion Ratio Lower Upper
107 100
108 84.3 65.9 105.9
77 103.3 91.7 131.7
79 27.5 7.5 47.5





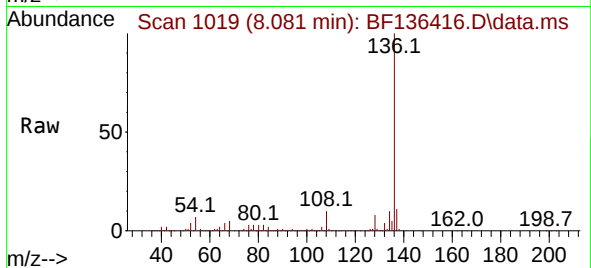
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

PB156824BS

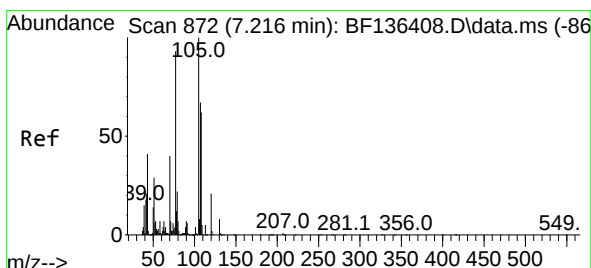
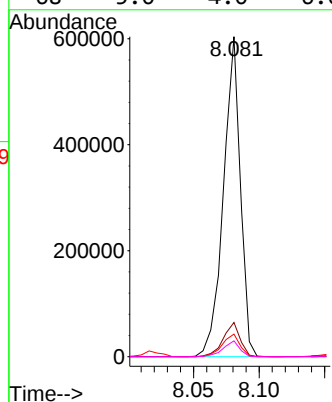
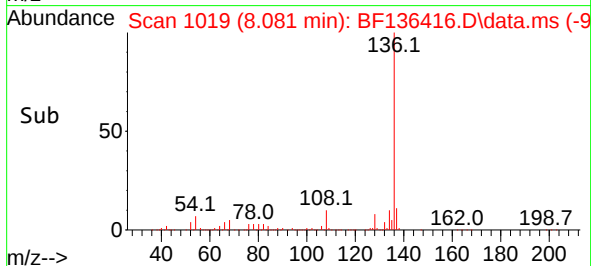


Tgt Ion:136 Resp: 539730
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 7.0 5.7 8.5
68 5.0 4.0 6.0

Manual Integrations

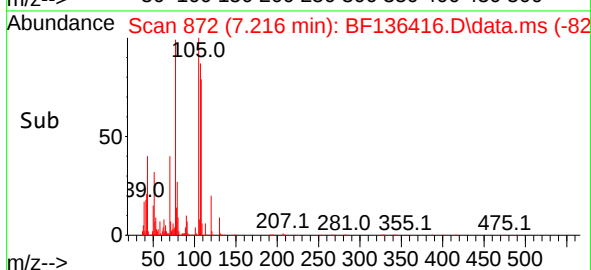
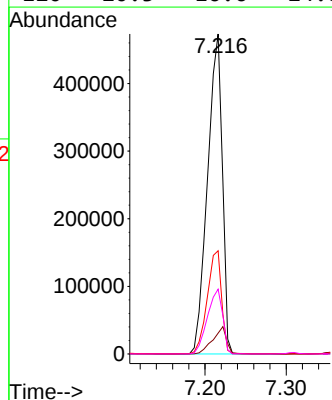
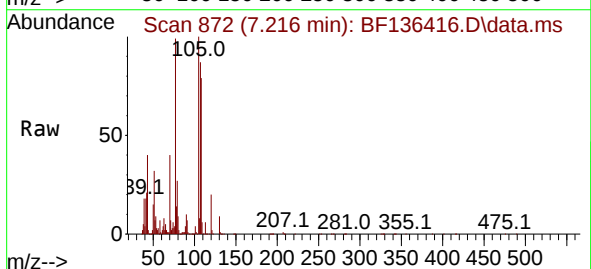
APPROVED

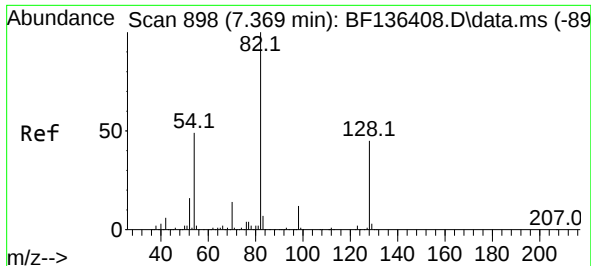
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#22
Acetophenone
Concen: 44.729 ng
RT: 7.216 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Tgt Ion:105 Resp: 596152
Ion Ratio Lower Upper
105 100
71 6.5 5.4 8.0
51 32.2 23.4 35.2
120 20.3 16.6 24.8





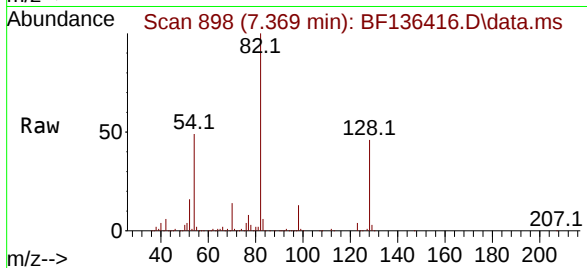
#23
Nitrobenzene-d5
Concen: 84.095 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

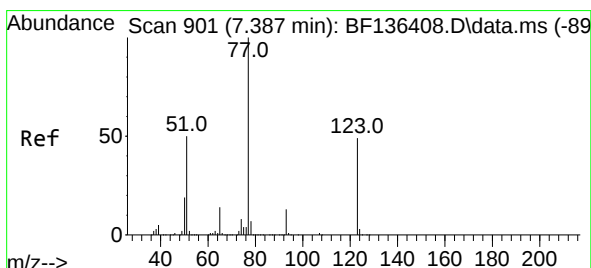
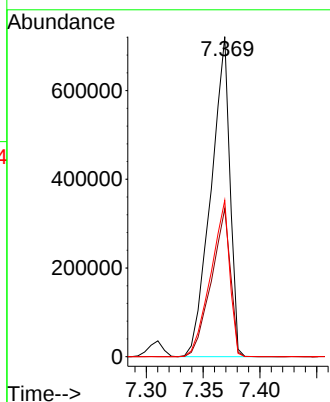
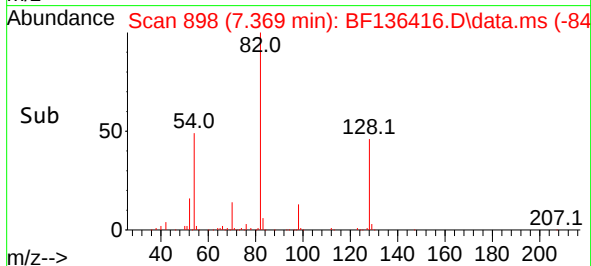
PB156824BS



Tgt Ion: 82 Resp: 83960
Ion Ratio Lower Upper
82 100
128 46.2 36.3 54.5
54 48.9 39.0 58.6

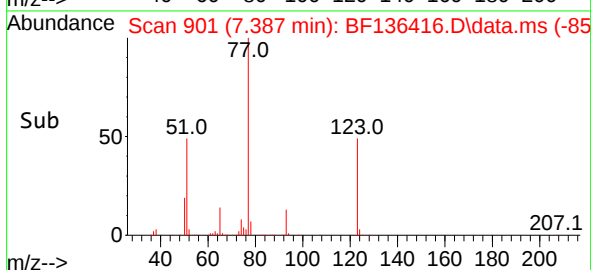
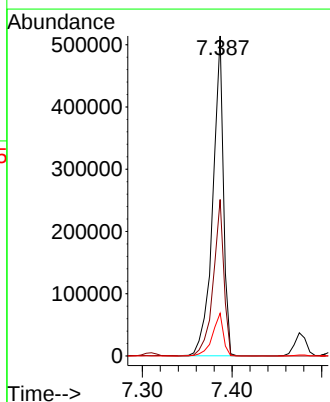
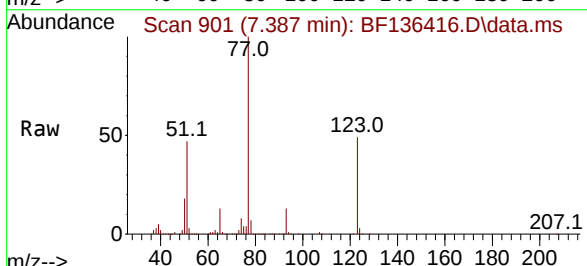
Manual Integrations
APPROVED

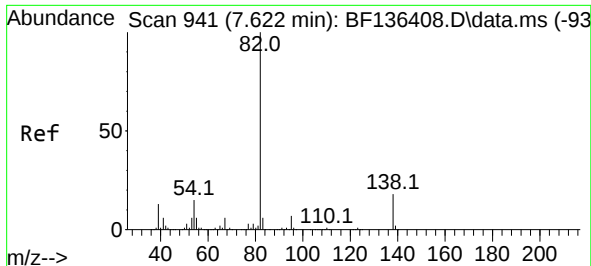
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#24
Nitrobenzene
Concen: 42.192 ng
RT: 7.387 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Tgt Ion: 77 Resp: 423764
Ion Ratio Lower Upper
77 100
123 48.9 39.0 58.6
65 13.4 11.3 16.9





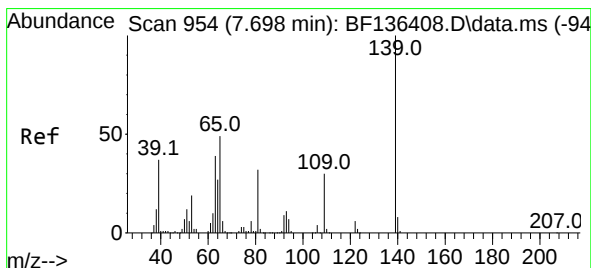
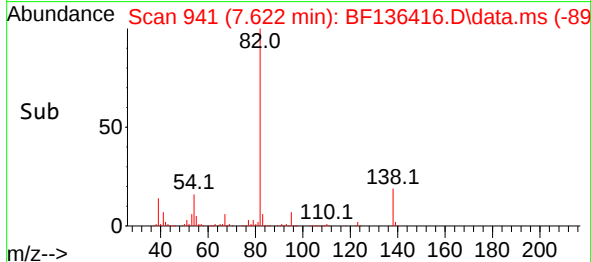
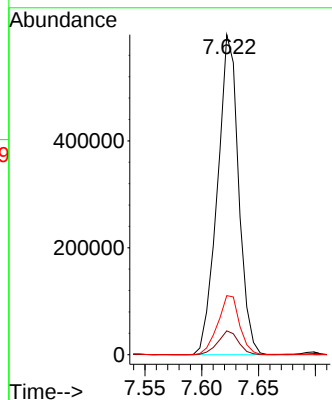
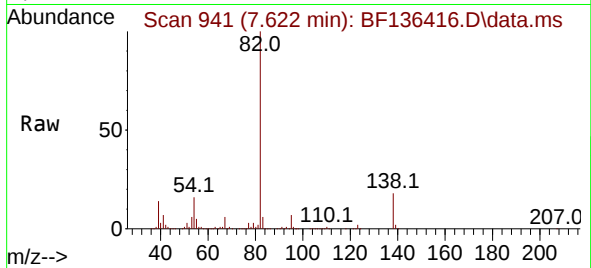
#25
Isophorone
Concen: 43.318 ng
RT: 7.622 min Scan# 941
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Instrument :
BNA_F
ClientSampleId :
PB156824BS

Tgt Ion: 82 Resp: 777009
Ion Ratio Lower Upper
82 100
95 7.5 5.7 8.5
138 18.5 14.5 21.7

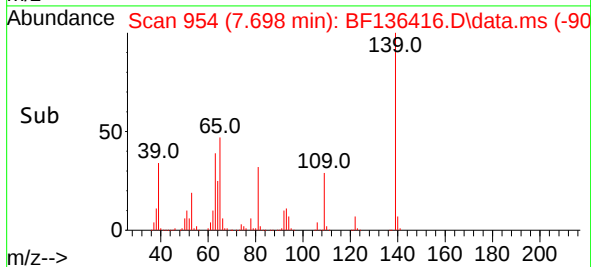
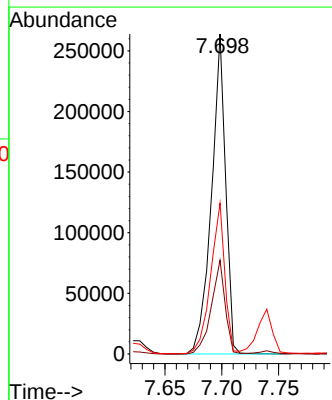
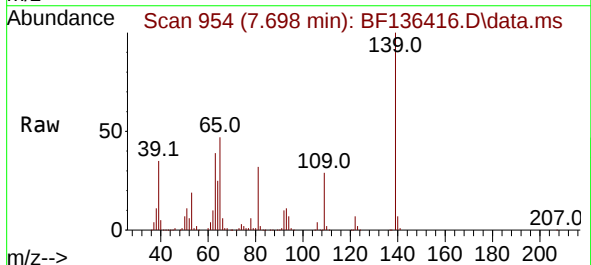
Manual Integrations
APPROVED

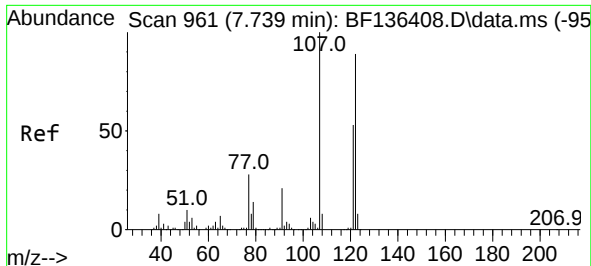
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#26
2-Nitrophenol
Concen: 46.128 ng
RT: 7.698 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Tgt Ion:139 Resp: 227763
Ion Ratio Lower Upper
139 100
109 29.3 23.6 35.4
65 47.2 39.4 59.2





#27

2,4-Dimethylphenol

Concen: 61.999 ng

RT: 7.740 min Scan# 961

Delta R.T. 0.000 min

Lab File: BF136416.D

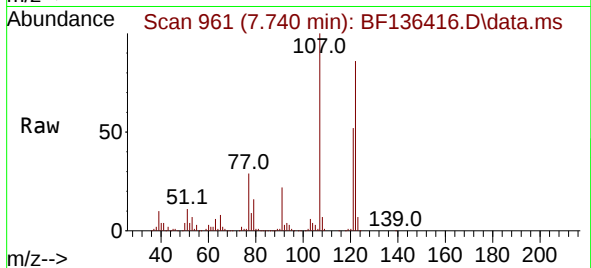
Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

PB156824BS



Tgt Ion:122 Resp: 377470

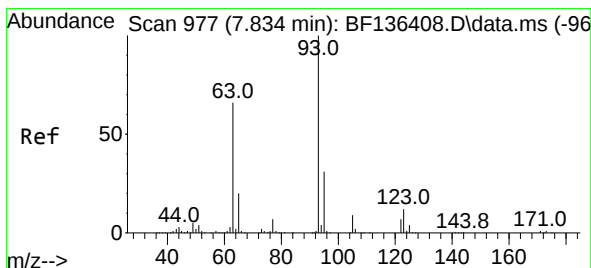
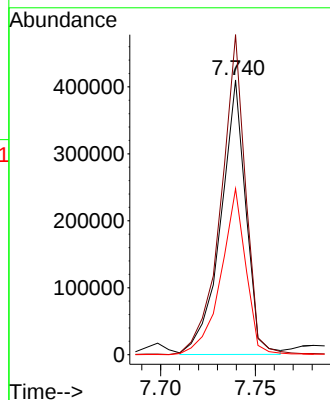
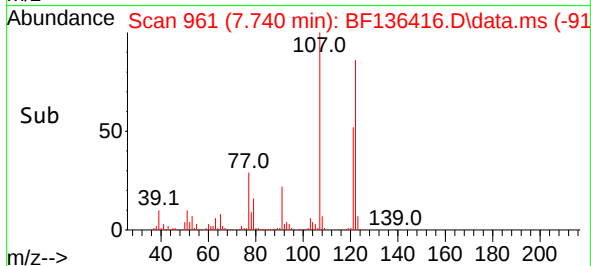
Ion	Ratio	Lower	Upper
122	100		
107	116.5	89.3	133.9
121	60.4	47.6	71.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/07/2023



#28

bis(2-Chloroethoxy)methane

Concen: 43.795 ng

RT: 7.834 min Scan# 977

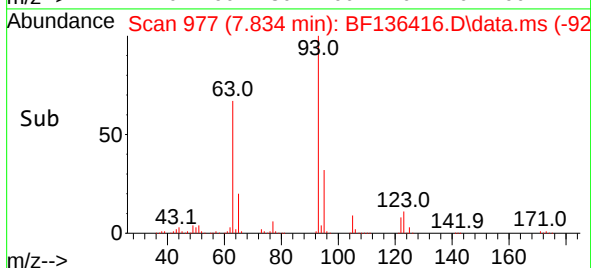
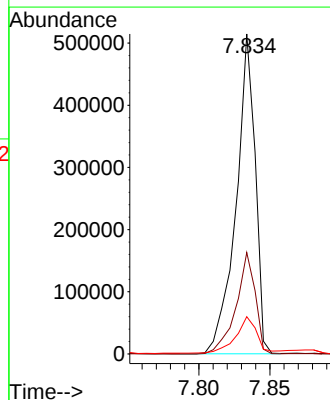
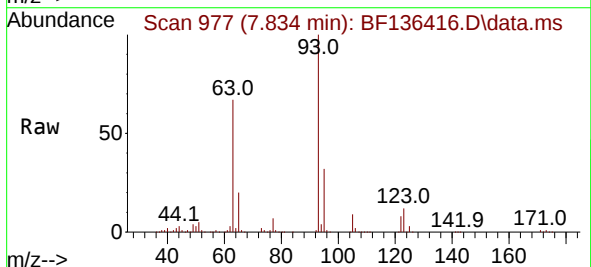
Delta R.T. 0.000 min

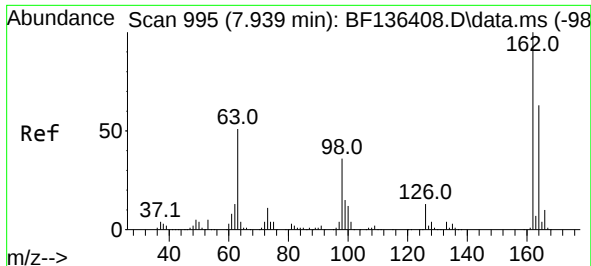
Lab File: BF136416.D

Acq: 05 Dec 2023 20:22

Tgt Ion: 93 Resp: 482710

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.0	37.4
123	11.7	9.4	14.0





#29

2,4-Dichlorophenol

Concen: 44.612 ng

RT: 7.940 min Scan# 995

Delta R.T. 0.000 min

Lab File: BF136416.D

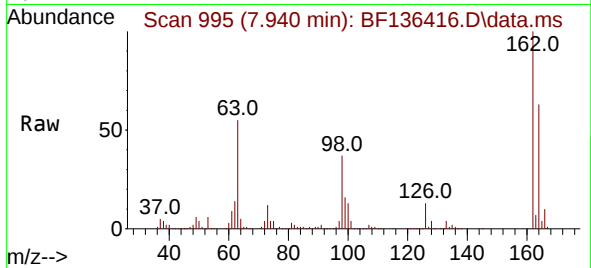
Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

PB156824BS



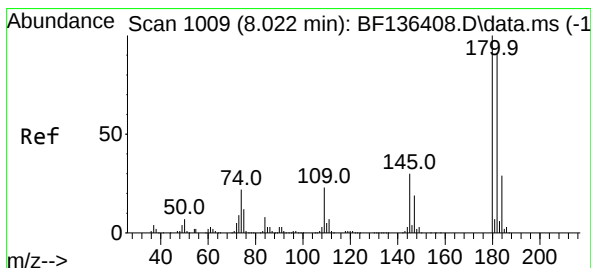
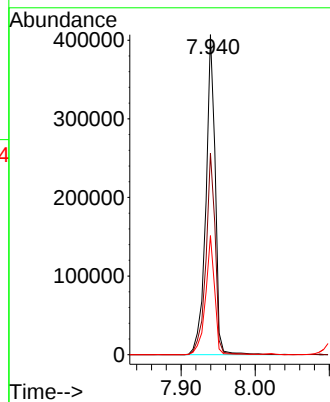
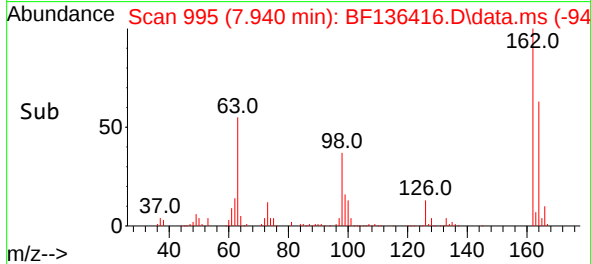
Tgt Ion:162	Resp:	358519
Ion Ratio	Lower	Upper
162	100	
164	62.9	43.0 83.0
98	37.2	16.2 56.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/07/2023



#30

1,2,4-Trichlorobenzene

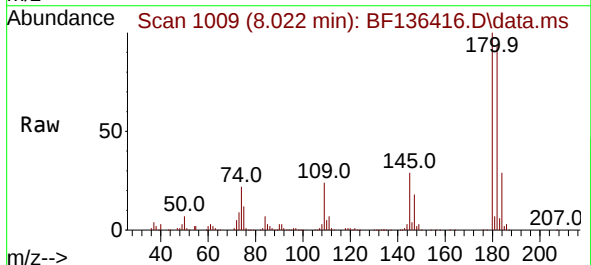
Concen: 42.530 ng

RT: 8.022 min Scan# 1009

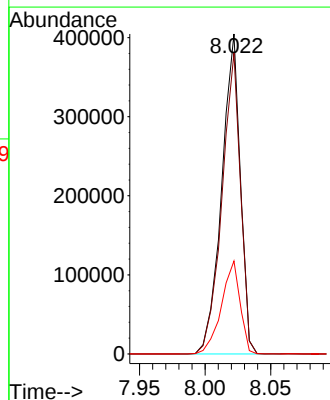
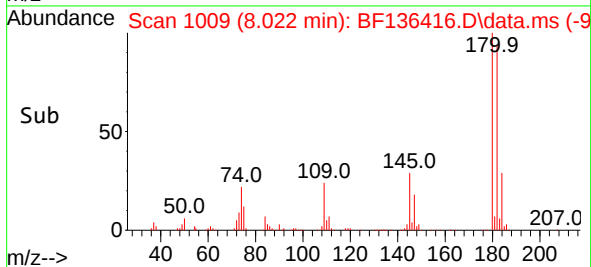
Delta R.T. 0.000 min

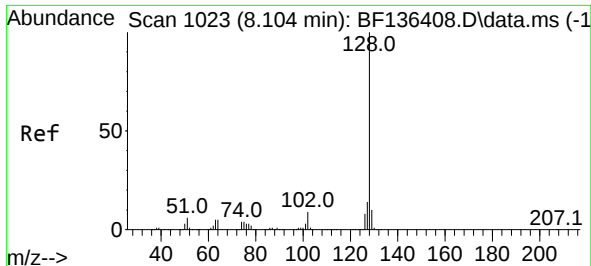
Lab File: BF136416.D

Acq: 05 Dec 2023 20:22



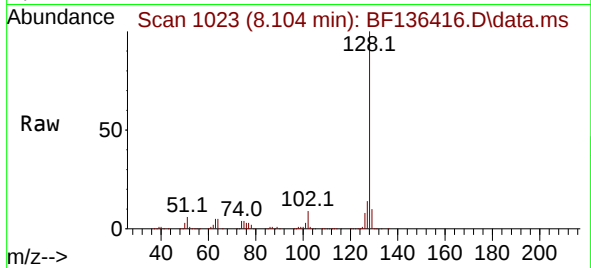
Tgt Ion:180	Resp:	398537
Ion Ratio	Lower	Upper
180	100	
182	94.1	73.1 109.7
145	29.1	23.8 35.8





#31
Naphthalene
Concen: 42.259 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

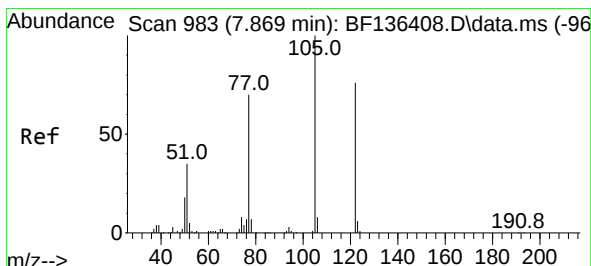
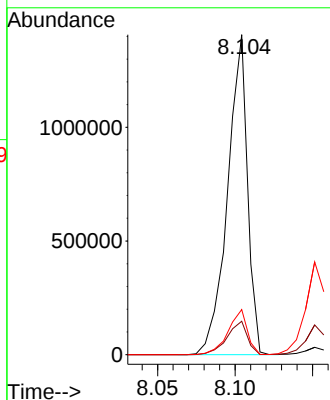
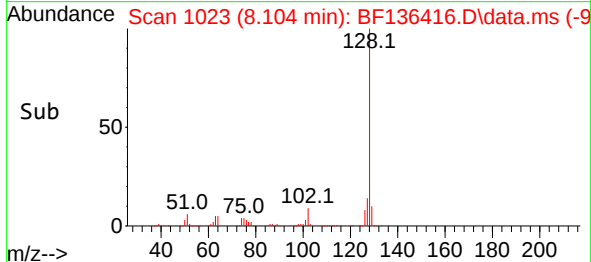
Instrument :
BNA_F
ClientSampleId :
PB156824BS



Tgt Ion:128 Resp: 1257804
Ion Ratio Lower Upper
128 100
129 10.5 8.3 12.5
127 14.1 11.1 16.7

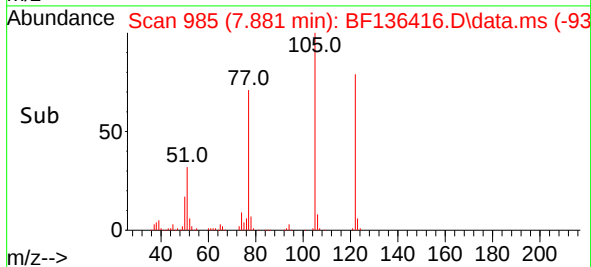
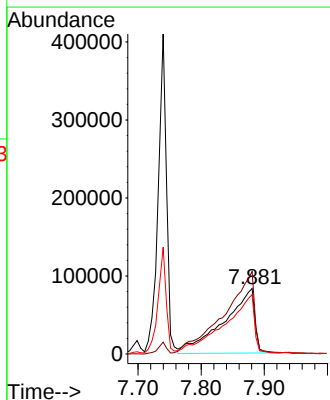
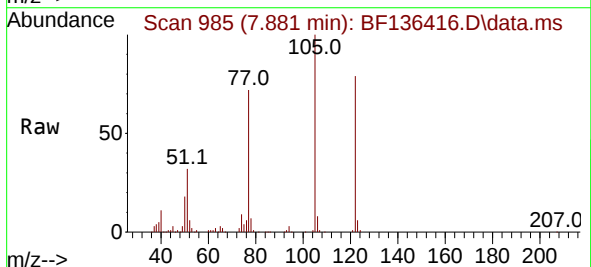
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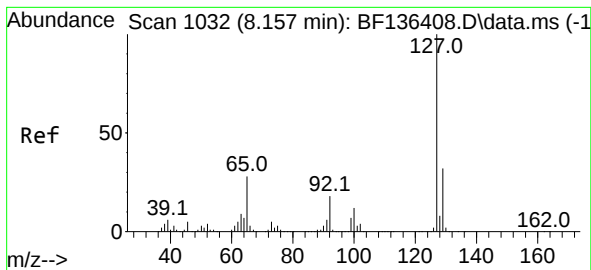
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#32
Benzoic acid
Concen: 46.633 ng
RT: 7.881 min Scan# 985
Delta R.T. 0.012 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Tgt Ion:122 Resp: 281653
Ion Ratio Lower Upper
122 100
105 125.9 104.7 144.7
77 90.5 68.5 108.5





#33

4-Chloroaniline

Concen: 35.628 ng

RT: 8.151 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF136416.D

Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

PB156824BS

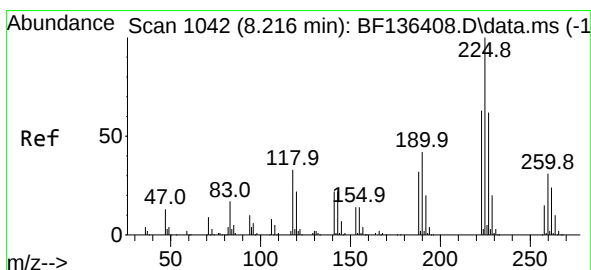
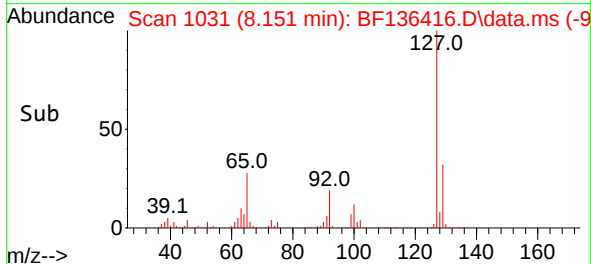
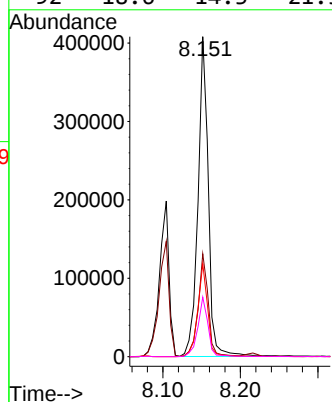
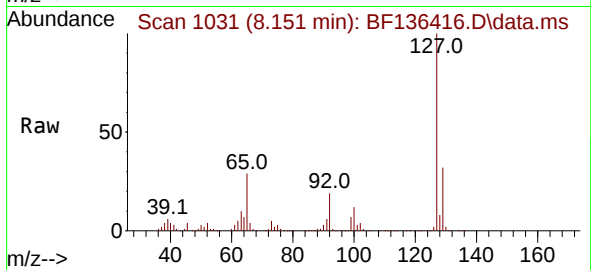
Tgt Ion:	127	Resp:	378060
Ion Ratio	Lower	Upper	
127	100		
129	32.2	25.4	38.2
65	29.1	22.5	33.7
92	18.6	14.3	21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/07/2023



#34

Hexachlorobutadiene

Concen: 40.727 ng

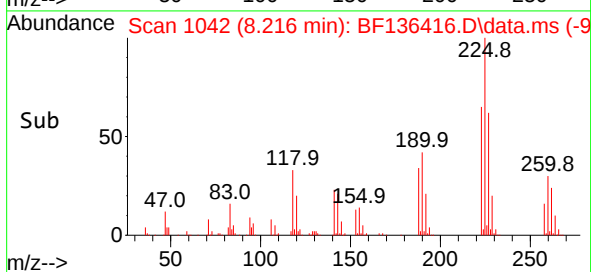
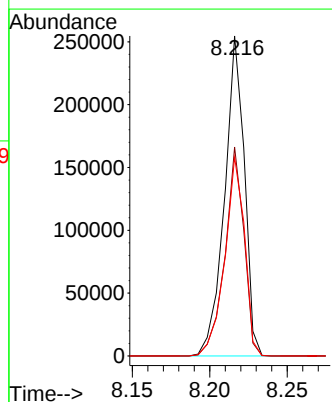
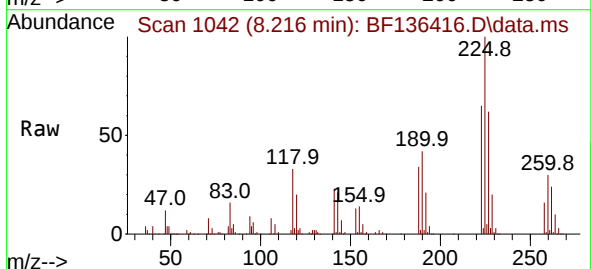
RT: 8.216 min Scan# 1042

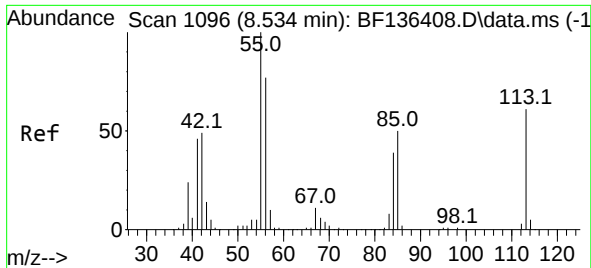
Delta R.T. 0.000 min

Lab File: BF136416.D

Acq: 05 Dec 2023 20:22

Tgt Ion:	225	Resp:	226181
Ion Ratio	Lower	Upper	
225	100		
223	65.3	50.8	76.2
227	62.1	49.8	74.8





#35
 Caprolactam
 Concen: 47.420 ng m
 RT: 8.534 min Scan# 1096
 Delta R.T. 0.000 min
 Lab File: BF136416.D
 Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

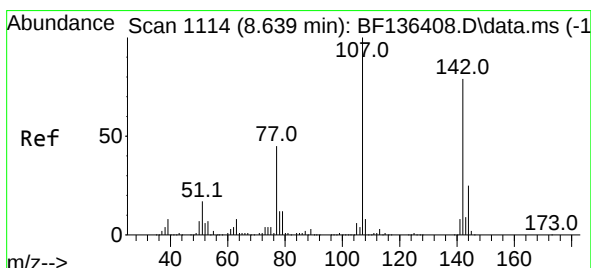
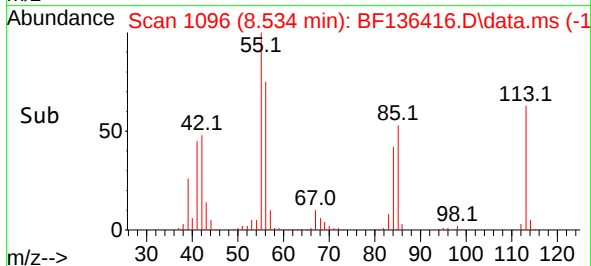
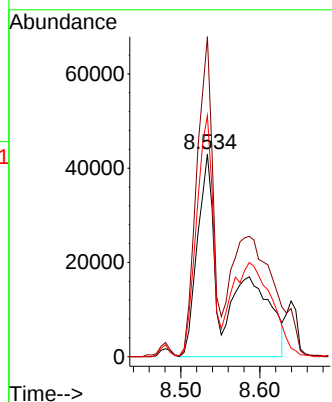
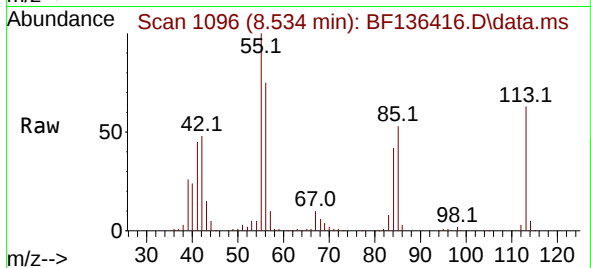
ClientSampleId :

PB156824BS

Tgt Ion:113 Resp: 117354
 Ion Ratio Lower Upper
 113 100
 55 157.8 143.7 183.7
 56 118.9 105.2 145.2

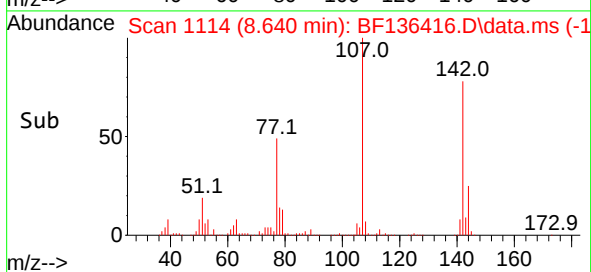
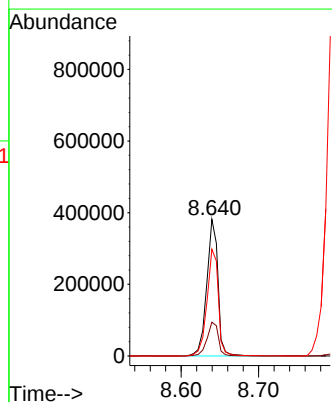
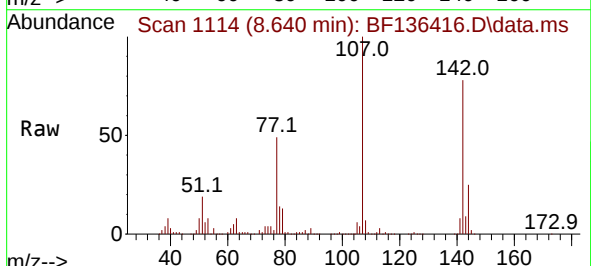
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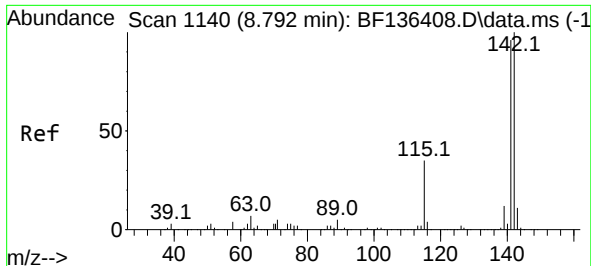
Reviewed By :Yogesh Patel 12/07/2023
 Supervised By :mohammad ahmed 12/07/2023



#36
 4-Chloro-3-methylphenol
 Concen: 44.903 ng
 RT: 8.640 min Scan# 1114
 Delta R.T. 0.000 min
 Lab File: BF136416.D
 Acq: 05 Dec 2023 20:22

Tgt Ion:107 Resp: 383153
 Ion Ratio Lower Upper
 107 100
 144 24.7 20.1 30.1
 142 78.2 63.1 94.7





#37

2-Methylnaphthalene

Concen: 43.111 ng

RT: 8.792 min Scan# 1140

Delta R.T. 0.000 min

Lab File: BF136416.D

Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

PB156824BS

Tgt Ion:142 Resp: 81634

Ion Ratio Lower Upper

142 100

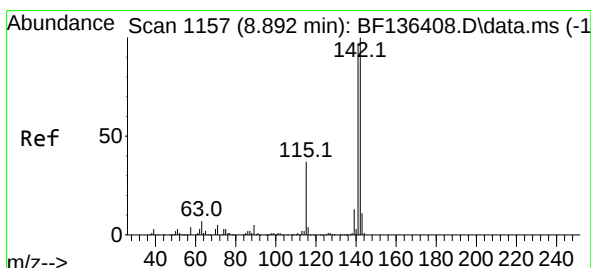
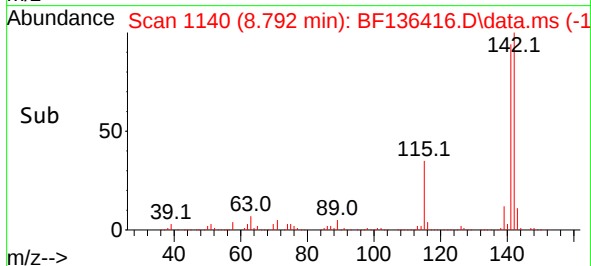
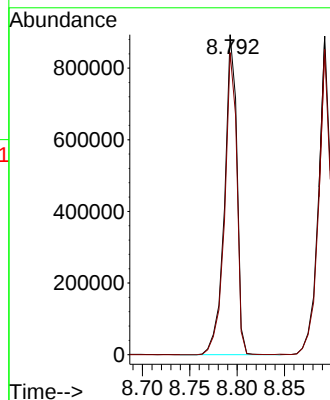
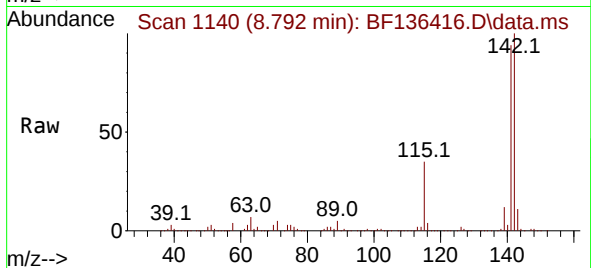
141 94.4 76.4 114.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/07/2023



#38

1-Methylnaphthalene

Concen: 40.879 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BF136416.D

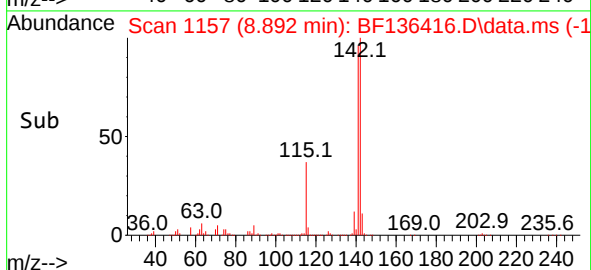
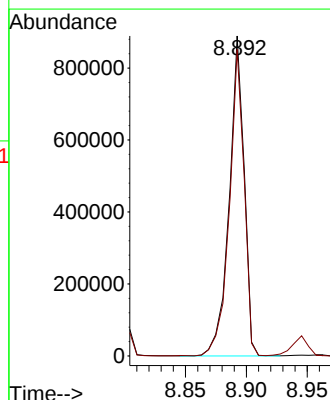
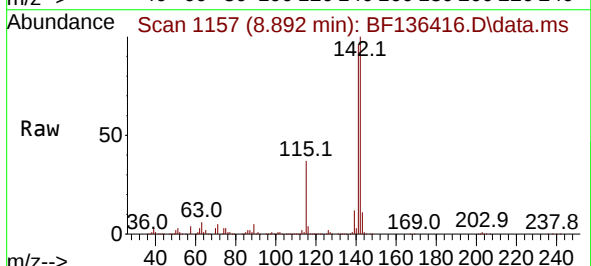
Acq: 05 Dec 2023 20:22

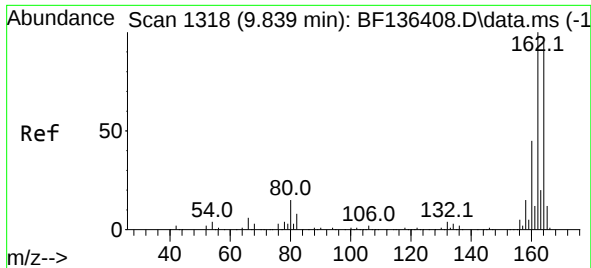
Tgt Ion:142 Resp: 759574

Ion Ratio Lower Upper

142 100

141 95.8 77.7 116.5





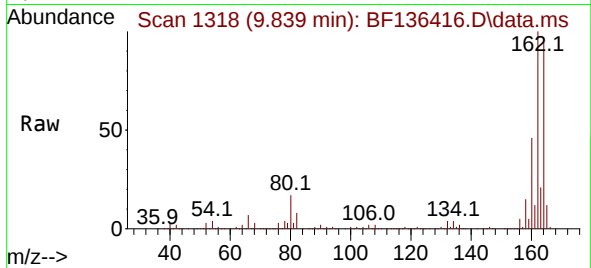
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1118
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

PB156824BS

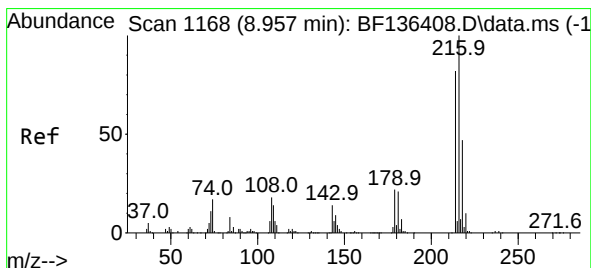
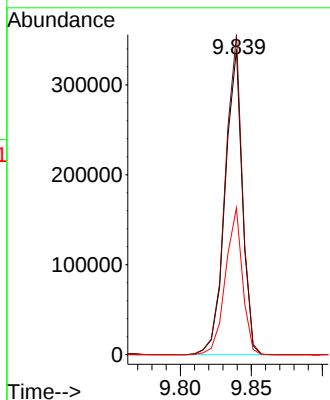
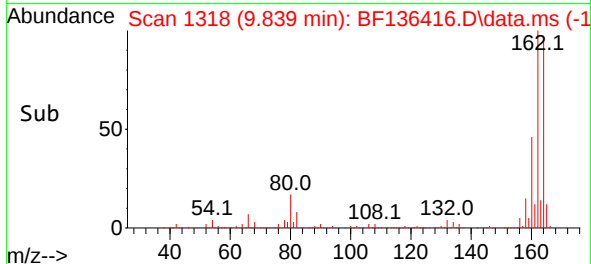


Tgt Ion:164 Resp: 285249
Ion Ratio Lower Upper
164 100
162 104.8 84.4 126.6
160 48.1 37.6 56.4

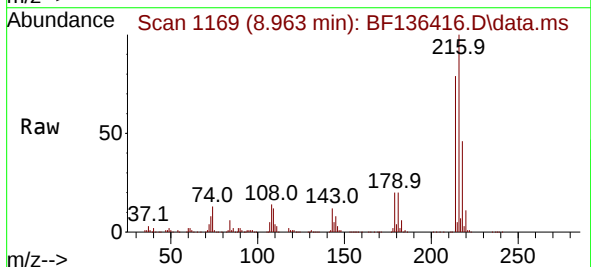
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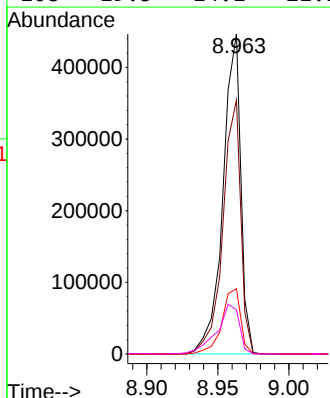
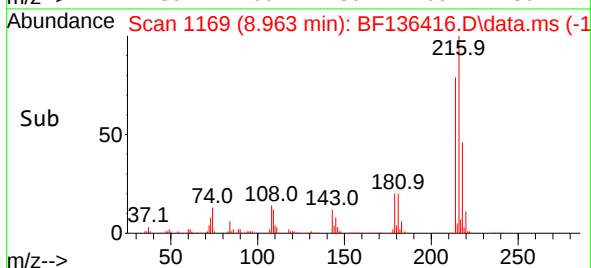
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.921 ng
RT: 8.963 min Scan# 1169
Delta R.T. 0.006 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22



Tgt Ion:216 Resp: 389774
Ion Ratio Lower Upper
216 100
214 79.5 64.1 96.1
179 21.4 17.0 25.6
108 19.5 14.1 21.1





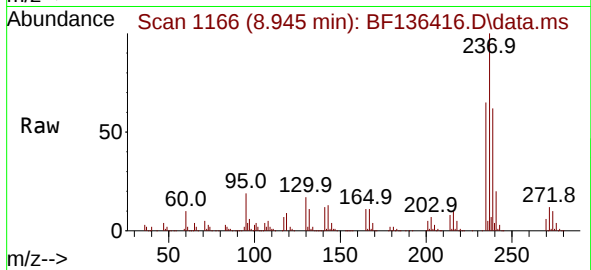
#41
Hexachlorocyclopentadiene
Concen: 128.564 ng
RT: 8.945 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

PB156824BS

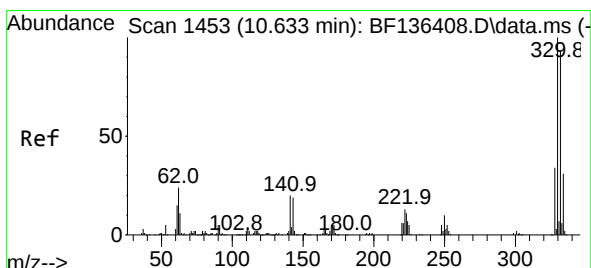
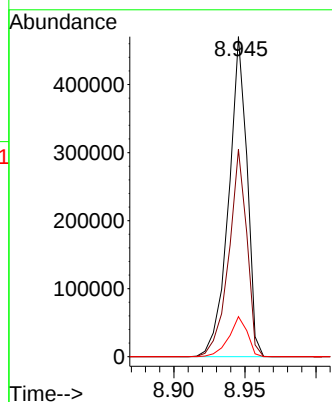
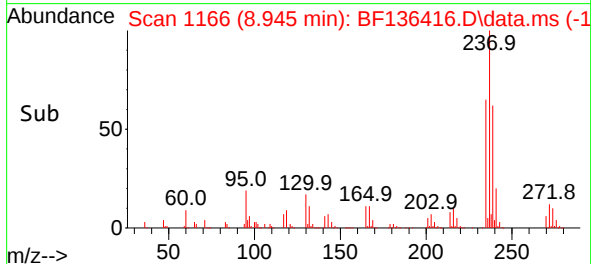


Tgt Ion:237 Resp: 422688
Ion Ratio Lower Upper
237 100
235 64.8 44.1 84.1
272 12.5 0.0 33.3

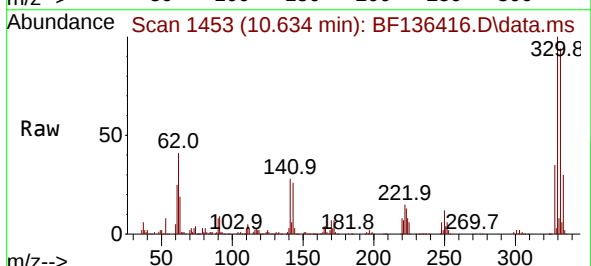
Manual Integrations

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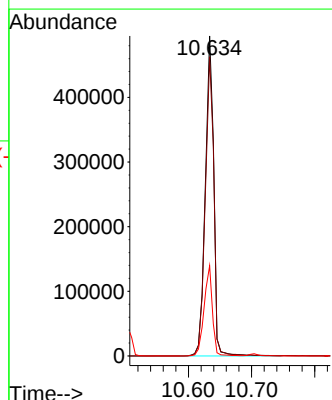
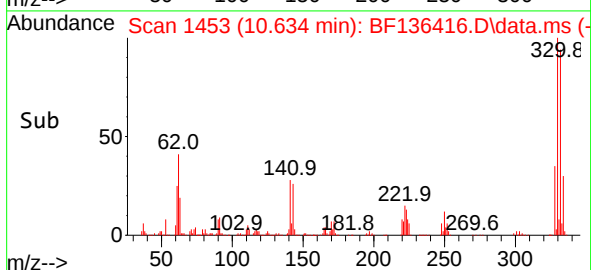
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

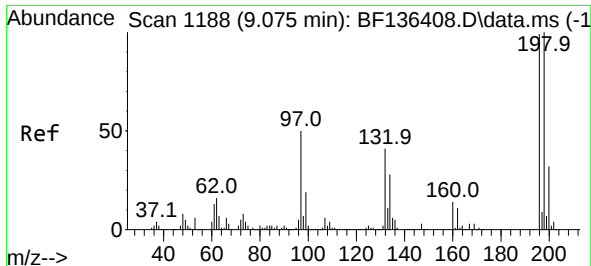


#42
2,4,6-Tribromophenol
Concen: 130.294 ng
RT: 10.634 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22



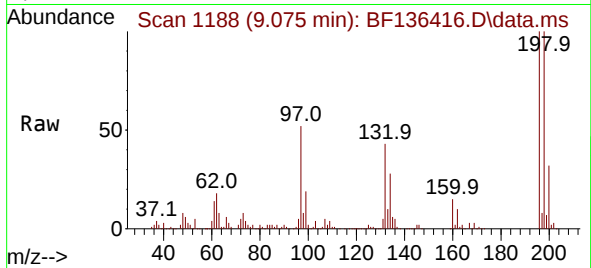
Tgt Ion:330 Resp: 458262
Ion Ratio Lower Upper
330 100
332 94.9 76.4 114.6
141 27.9 23.4 35.2





#43
2,4,6-Trichlorophenol
Concen: 44.602 ng
RT: 9.075 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

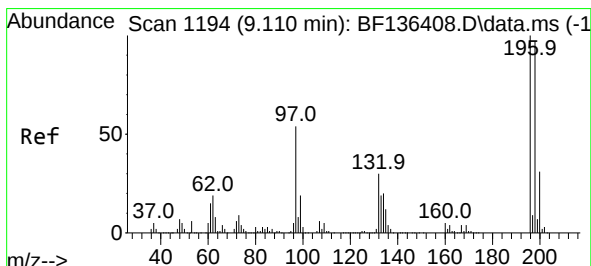
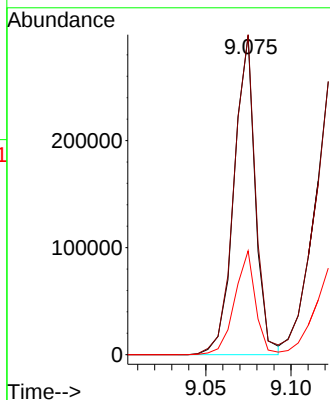
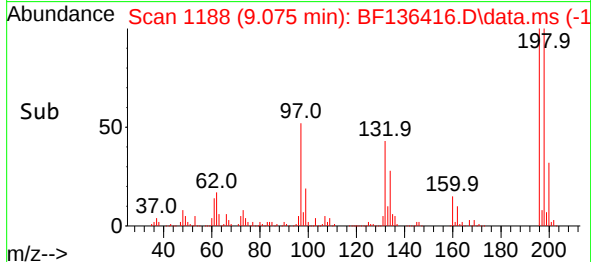
Instrument :
BNA_F
ClientSampleId :
PB156824BS



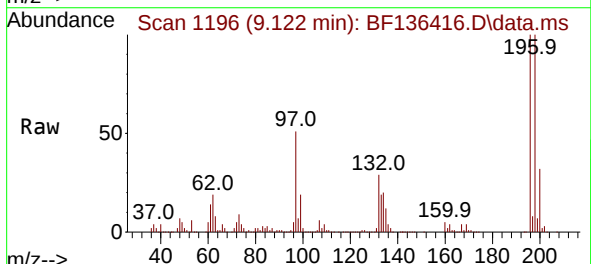
Tgt Ion:196 Resp: 25772
Ion Ratio Lower Upper
196 100
198 100.5 80.4 120.6
200 32.6 25.9 38.9

Manual Integrations
APPROVED

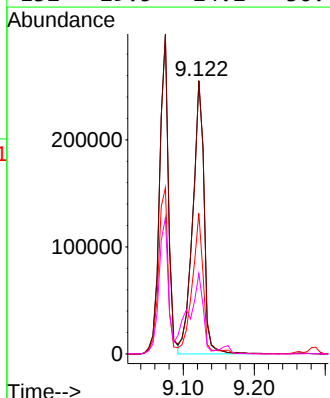
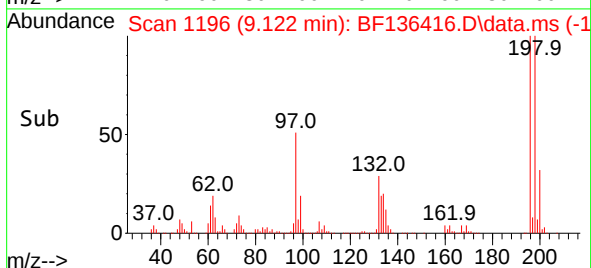
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

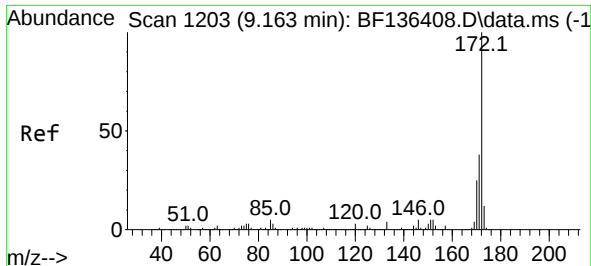


#44
2,4,5-Trichlorophenol
Concen: 44.026 ng
RT: 9.122 min Scan# 1196
Delta R.T. 0.012 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22



Tgt Ion:196 Resp: 283939
Ion Ratio Lower Upper
196 100
198 100.1 78.1 117.1
97 51.5 43.4 65.2
132 29.5 24.2 36.4





#45

2-Fluorobiphenyl

Concen: 82.400 ng

RT: 9.163 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF136416.D

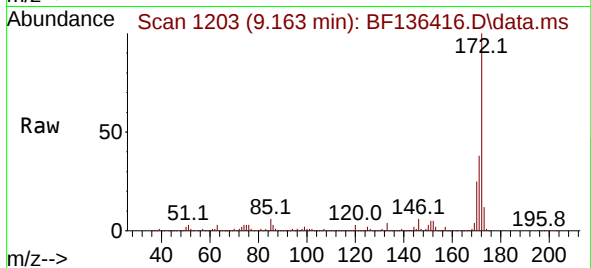
Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

PB156824BS



Tgt Ion:172 Resp: 172258

Ion Ratio Lower Upper

172 100

171 38.2 30.5 45.7

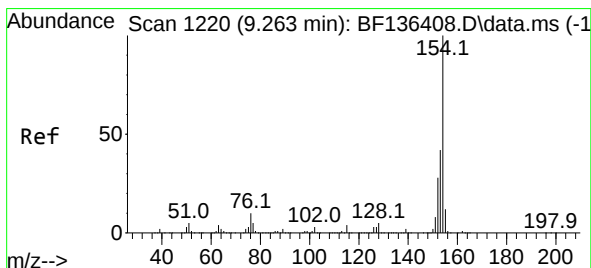
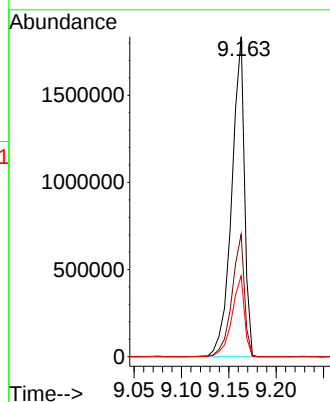
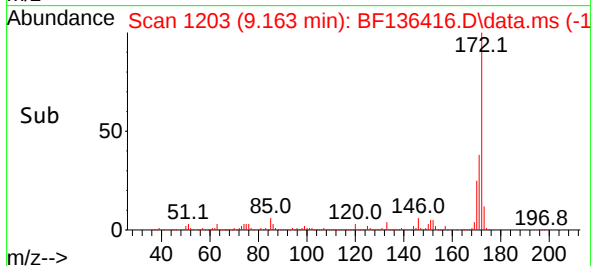
170 25.3 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/07/2023



#46

1,1'-Biphenyl

Concen: 43.403 ng

RT: 9.263 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BF136416.D

Acq: 05 Dec 2023 20:22

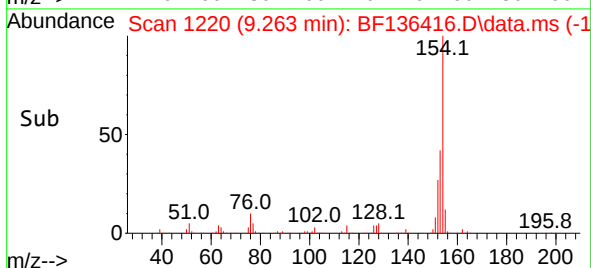
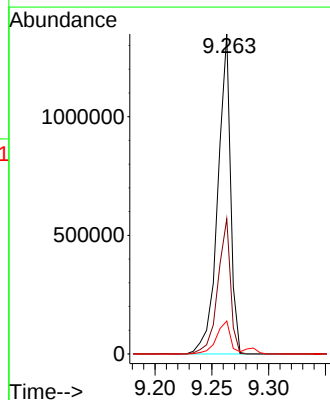
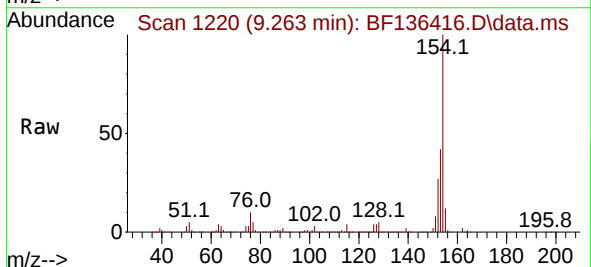
Tgt Ion:154 Resp: 1053464

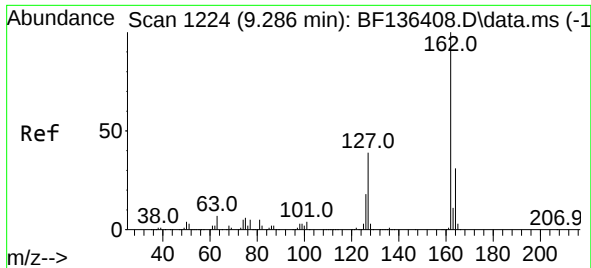
Ion Ratio Lower Upper

154 100

153 42.3 22.5 62.5

76 10.3 0.0 29.9





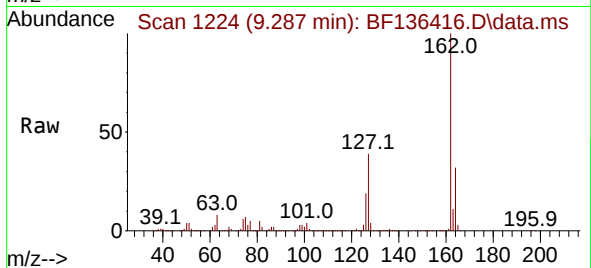
#47
2-Chloronaphthalene
Concen: 41.644 ng
RT: 9.287 min Scan# 1224
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

PB156824BS

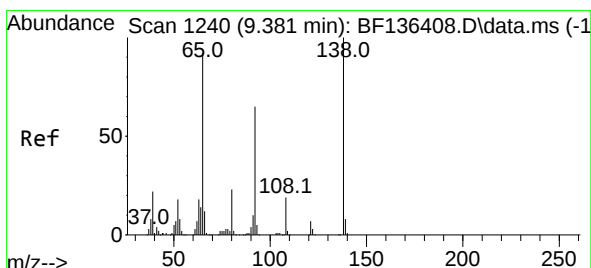
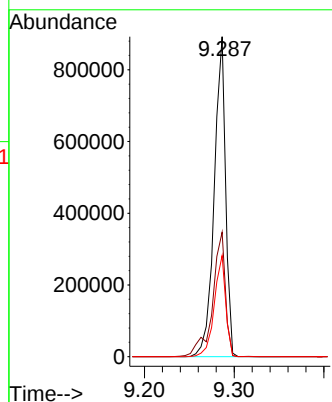
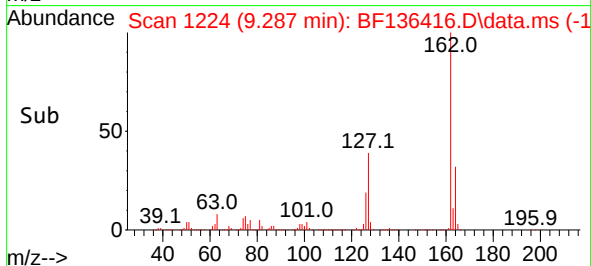


Tgt Ion:162 Resp: 786709
Ion Ratio Lower Upper
162 100
127 38.9 31.1 46.7
164 31.6 24.6 37.0

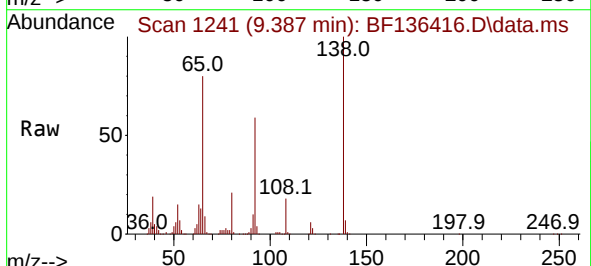
Manual Integrations

APPROVED

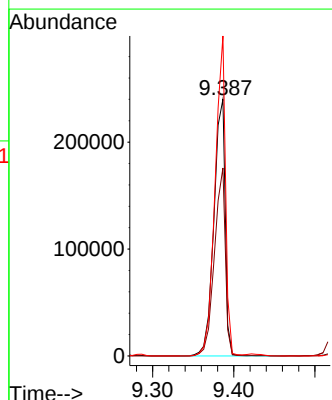
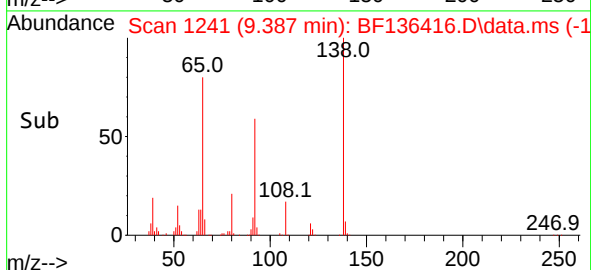
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

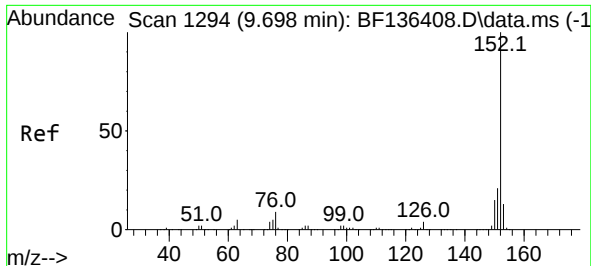


#48
2-Nitroaniline
Concen: 45.727 ng
RT: 9.387 min Scan# 1241
Delta R.T. 0.006 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22



Tgt Ion: 65 Resp: 231684
Ion Ratio Lower Upper
65 100
92 73.3 56.1 84.1
138 124.7 86.7 130.1





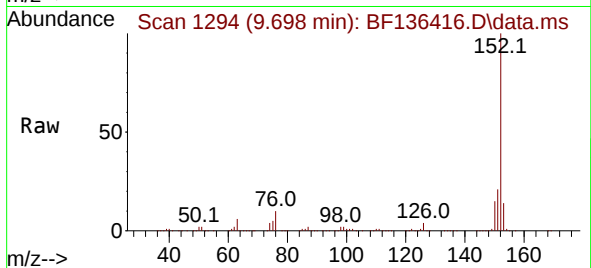
#49
Acenaphthylene
Concen: 44.533 ng
RT: 9.698 min Scan# 1294
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

PB156824BS

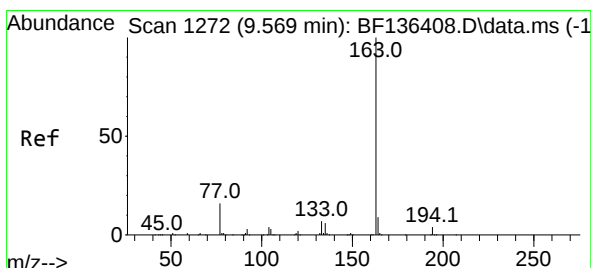
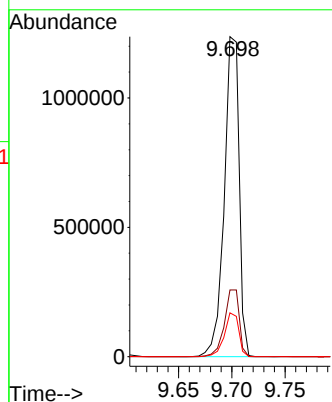
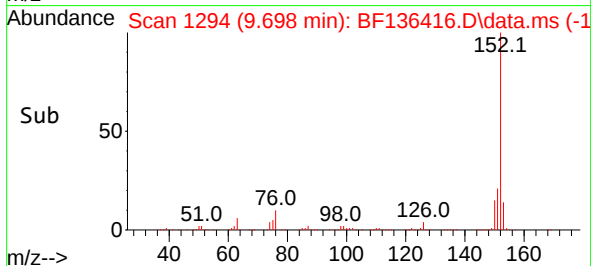


Tgt Ion:152 Resp: 119844
Ion Ratio Lower Upper
152 100
151 20.9 17.2 25.8
153 13.7 10.6 15.8

Manual Integrations

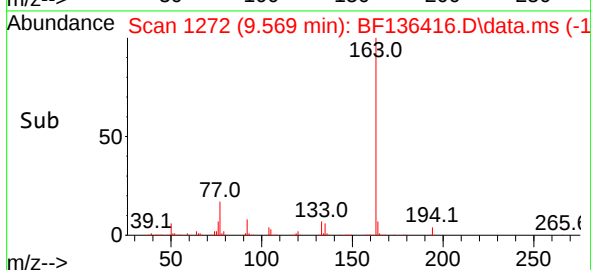
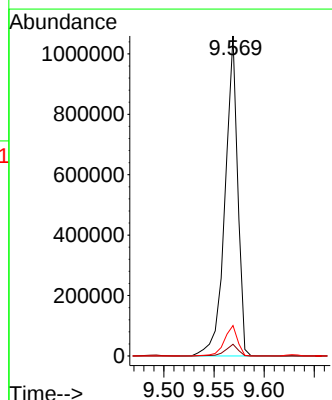
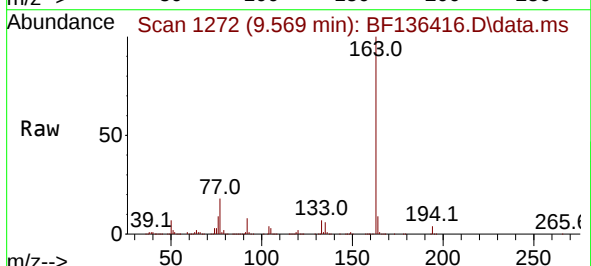
APPROVED

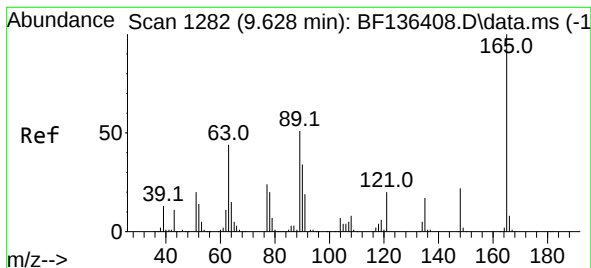
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#50
Dimethylphthalate
Concen: 44.134 ng
RT: 9.569 min Scan# 1272
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

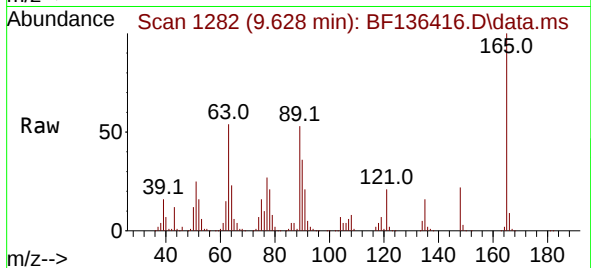
Tgt Ion:163 Resp: 926865
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 9.5 7.4 11.2





#51
2,6-Dinitrotoluene
Concen: 43.523 ng
RT: 9.628 min Scan# 1282
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

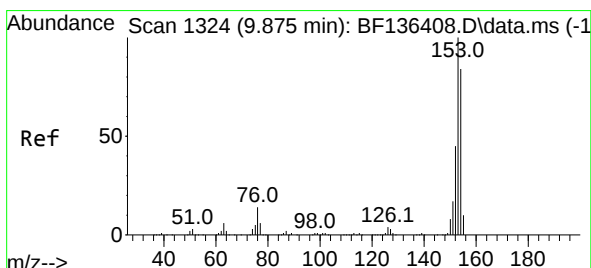
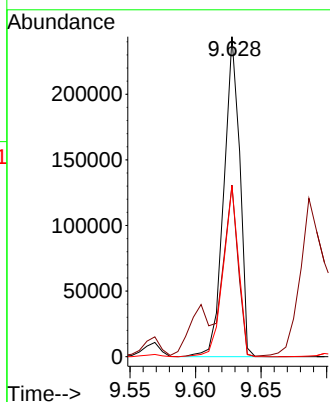
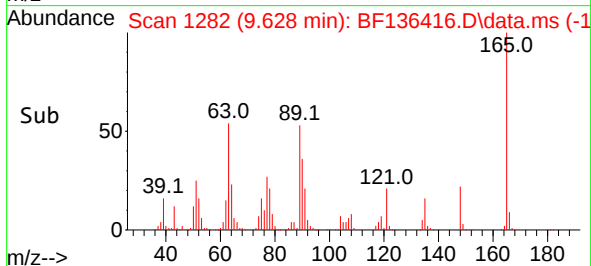
Instrument :
BNA_F
ClientSampleId :
PB156824BS



Tgt Ion:165 Resp: 205632
Ion Ratio Lower Upper
165 100
63 53.6 40.4 60.6
89 53.5 40.6 60.8

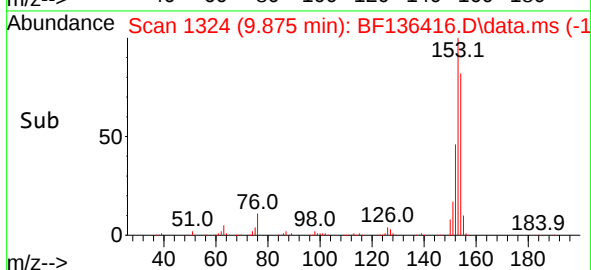
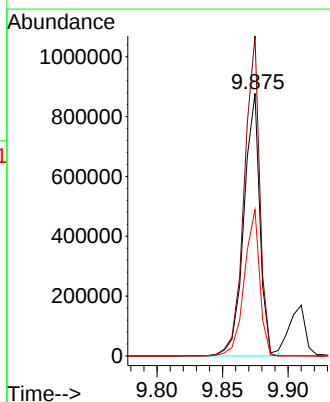
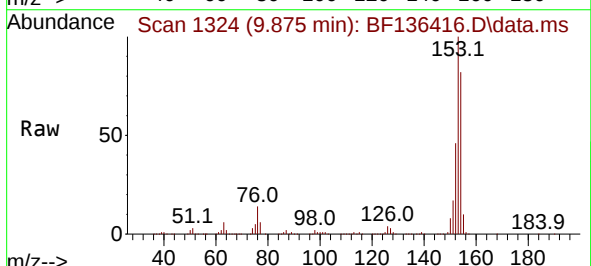
Manual Integrations
APPROVED

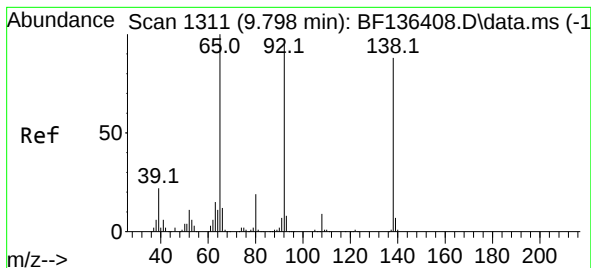
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#52
Acenaphthene
Concen: 43.398 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Tgt Ion:154 Resp: 748386
Ion Ratio Lower Upper
154 100
153 121.9 95.3 142.9
152 55.7 43.2 64.8





#53

3-Nitroaniline

Concen: 38.791 ng

RT: 9.798 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136416.D

Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

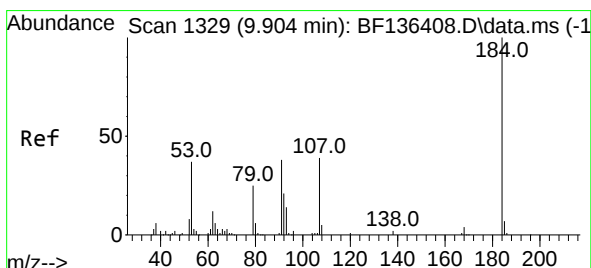
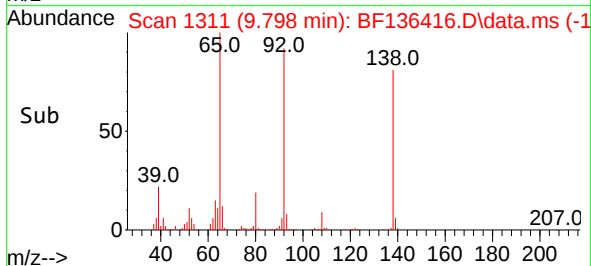
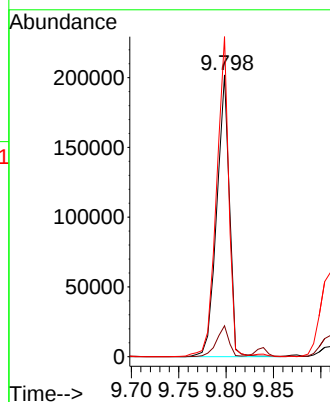
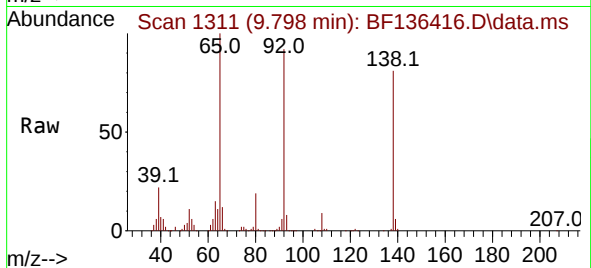
PB156824BS

Tgt Ion:138 Resp: 18715
 Ion Ratio Lower Upper
 138 100
 108 11.0 8.5 12.7
 92 113.6 86.1 129.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/07/2023
 Supervised By :mohammad ahmed 12/07/2023



#54

2,4-Dinitrophenol

Concen: 98.306 ng

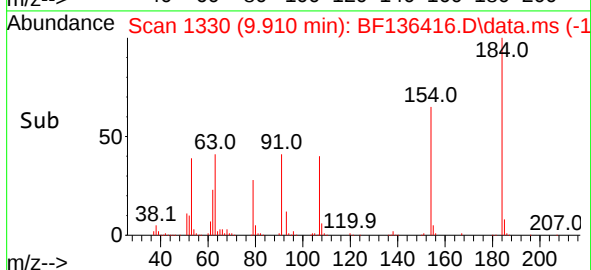
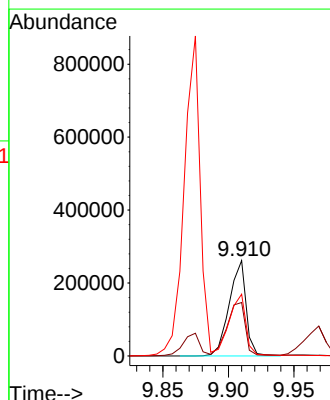
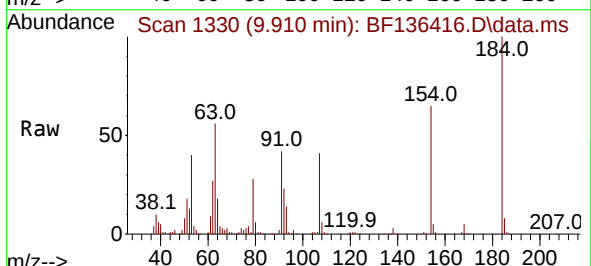
RT: 9.910 min Scan# 1330

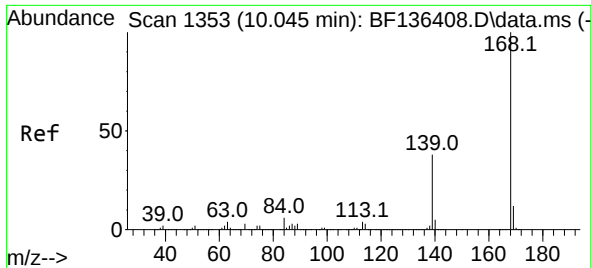
Delta R.T. 0.006 min

Lab File: BF136416.D

Acq: 05 Dec 2023 20:22

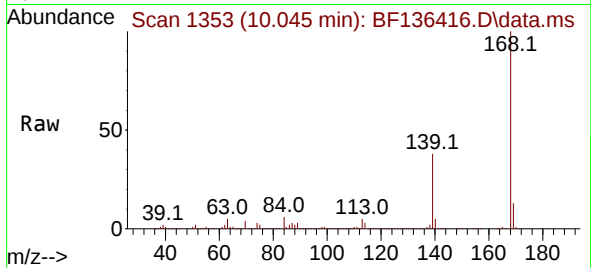
Tgt Ion:184 Resp: 234831
 Ion Ratio Lower Upper
 184 100
 63 56.0 39.1 58.7
 154 64.7 49.9 74.9





#55
Dibenzenofuran
Concen: 43.891 ng
RT: 10.045 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

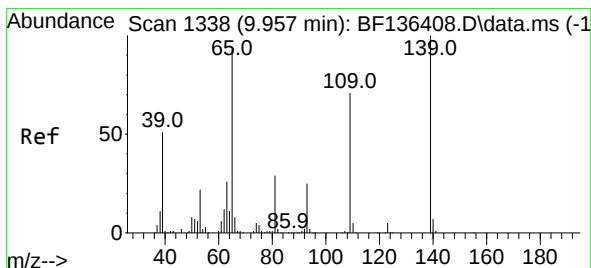
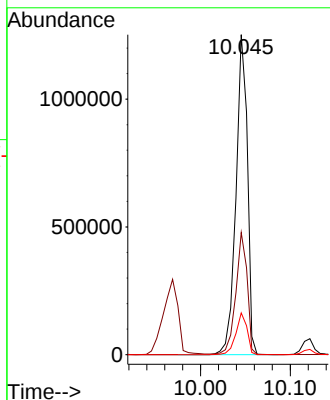
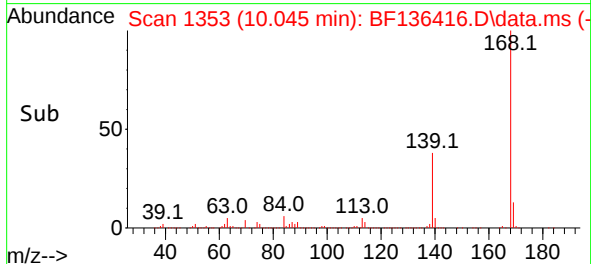
Instrument :
BNA_F
ClientSampleId :
PB156824BS



Tgt Ion:168 Resp: 110573
Ion Ratio Lower Upper
168 100
139 38.2 30.4 45.6
169 13.1 9.9 14.9

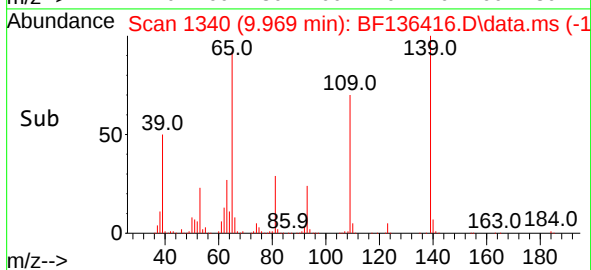
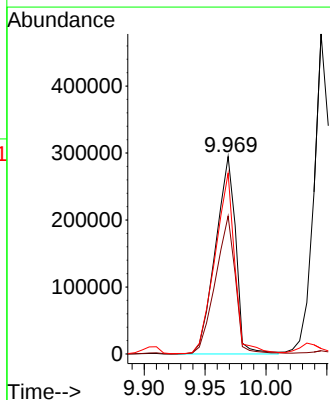
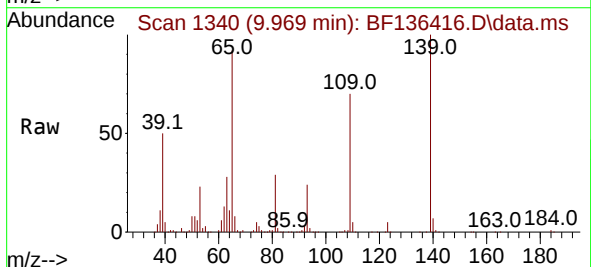
Manual Integrations
APPROVED

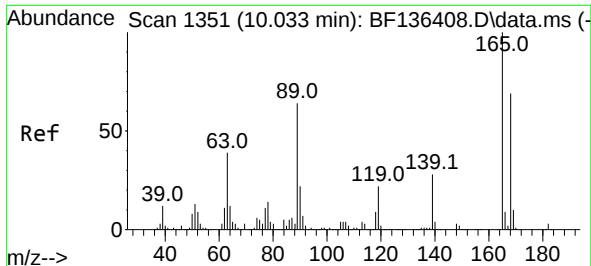
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#56
4-Nitrophenol
Concen: 94.373 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.012 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Tgt Ion:139 Resp: 341327
Ion Ratio Lower Upper
139 100
109 69.9 50.6 90.6
65 91.6 73.1 113.1





#57
2,4-Dinitrotoluene
Concen: 44.418 ng
RT: 10.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

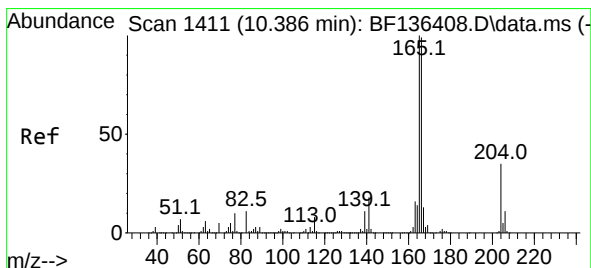
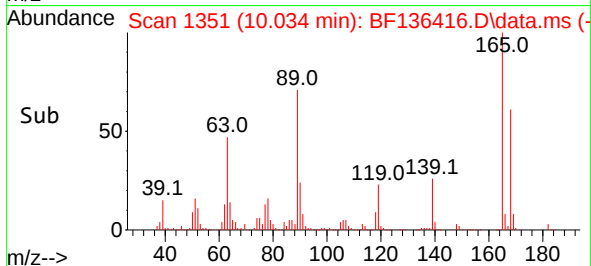
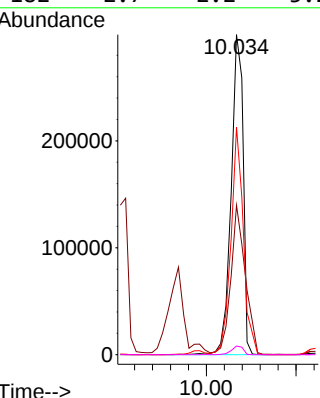
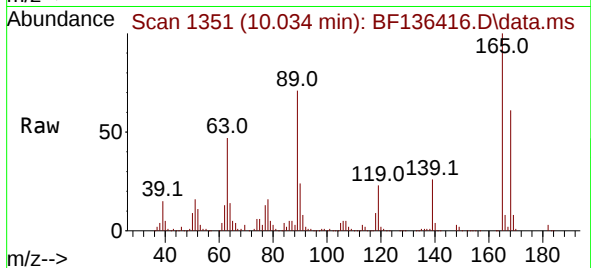
PB156824BS

Tgt Ion:165 Resp: 277620
Ion Ratio Lower Upper
165 100
63 46.7 31.4 47.2
89 71.1 51.7 77.5
182 2.7 2.2 3.2

Manual Integrations

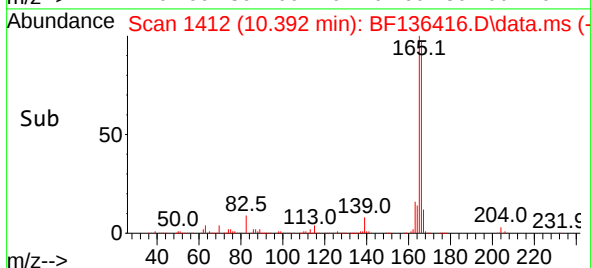
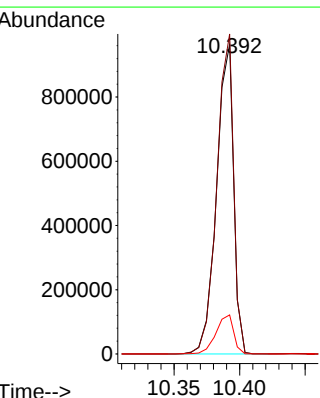
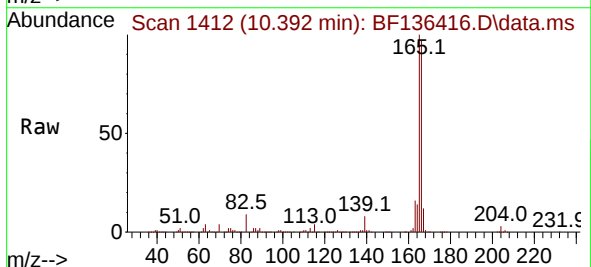
APPROVED

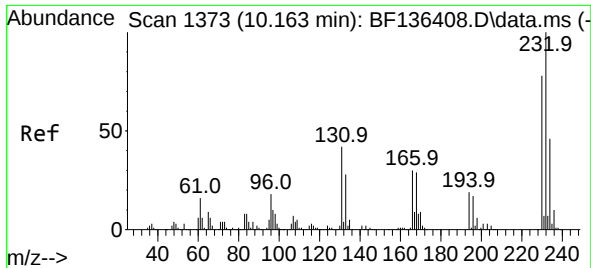
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#58
Fluorene
Concen: 43.053 ng
RT: 10.392 min Scan# 1412
Delta R.T. 0.006 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Tgt Ion:166 Resp: 870659
Ion Ratio Lower Upper
166 100
165 103.2 80.5 120.7
167 12.6 10.5 15.7





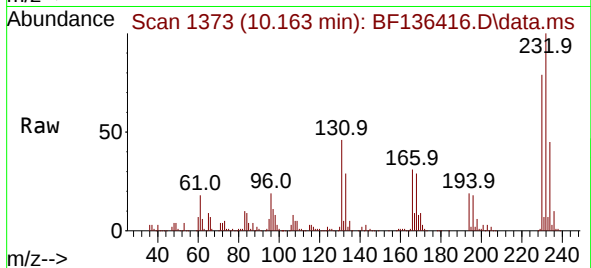
#59
2,3,4,6-Tetrachlorophenol
Concen: 47.537 ng
RT: 10.163 min Scan# 1373
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

PB156824BS

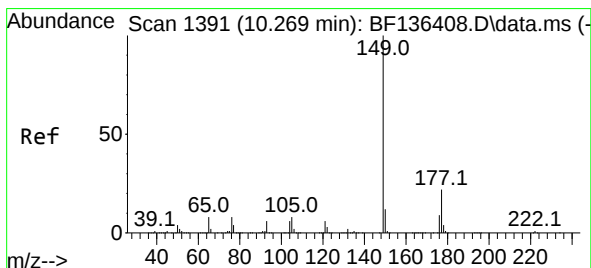
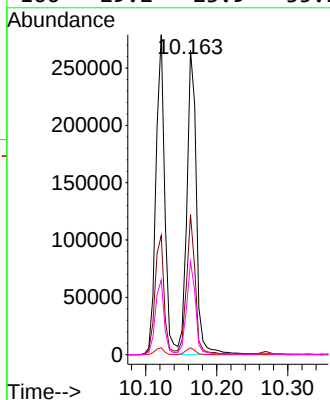
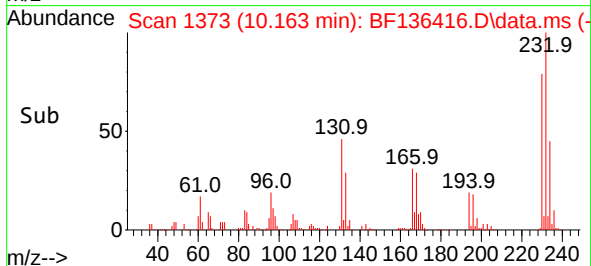


Tgt Ion:232 Resp: 245571
Ion Ratio Lower Upper
232 100
131 43.0 34.3 51.5
130 2.2 1.6 2.4
166 29.2 23.9 35.9

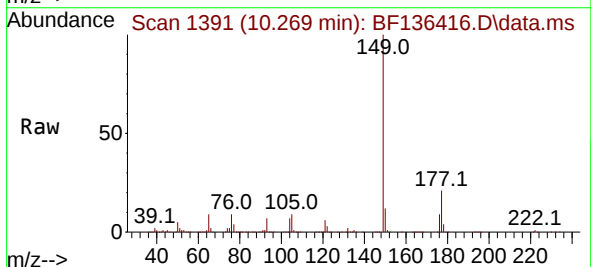
Manual Integrations

APPROVED

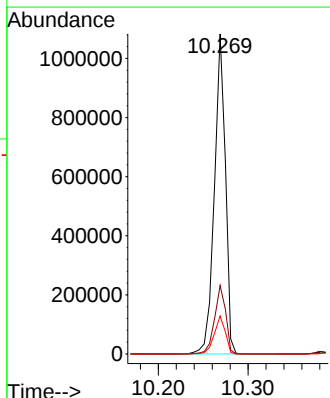
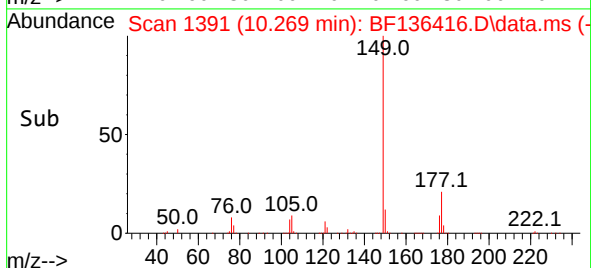
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

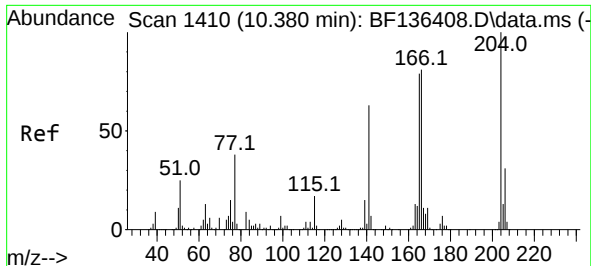


#60
Diethylphthalate
Concen: 44.601 ng
RT: 10.269 min Scan# 1391
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22



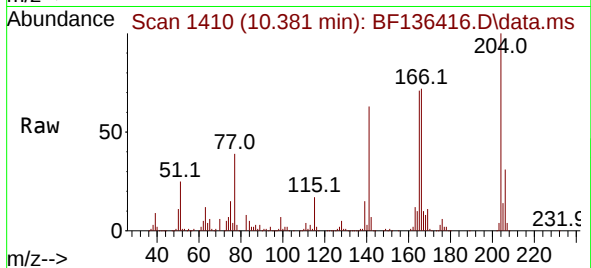
Tgt Ion:149 Resp: 921045
Ion Ratio Lower Upper
149 100
177 21.4 17.8 26.8
150 11.8 9.4 14.0





#61
4-Chlorophenyl-phenylether
Concen: 43.016 ng
RT: 10.381 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

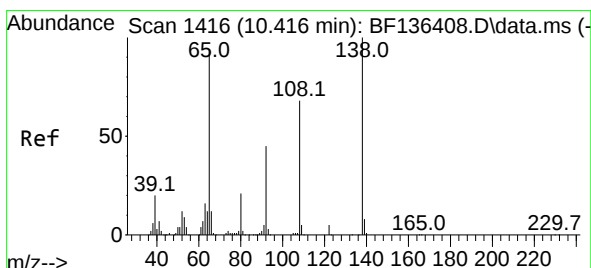
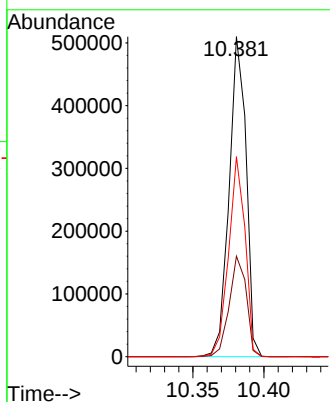
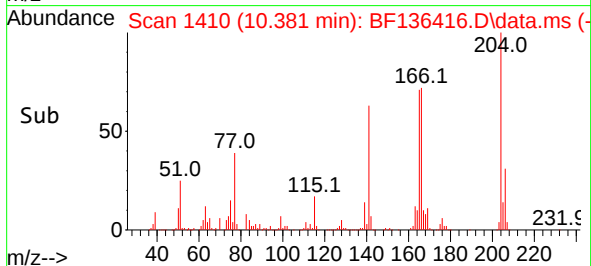
Instrument :
BNA_F
ClientSampleId :
PB156824BS



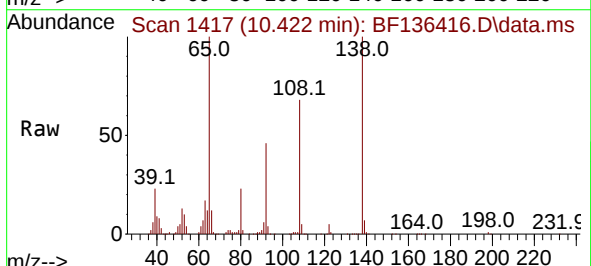
Tgt Ion:204 Resp: 424072
Ion Ratio Lower Upper
204 100
206 31.4 24.6 36.8
141 62.5 50.3 75.5

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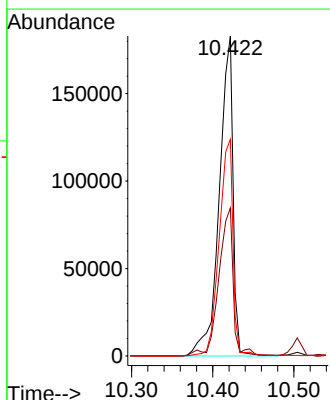
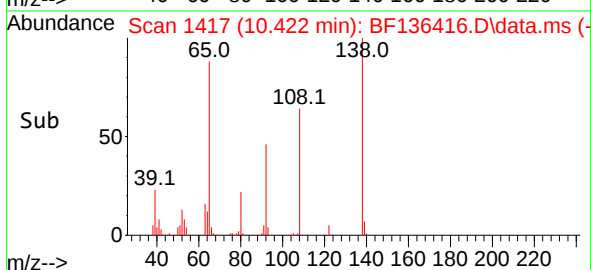
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

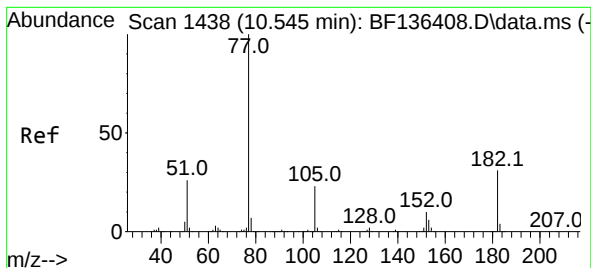


#62
4-Nitroaniline
Concen: 45.074 ng
RT: 10.422 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22



Tgt Ion:138 Resp: 215935
Ion Ratio Lower Upper
138 100
92 46.2 25.0 65.0
108 67.7 47.9 87.9





#63

Azobenzene

Concen: 43.902 ng

RT: 10.545 min Scan# 1438

Delta R.T. 0.000 min

Lab File: BF136416.D

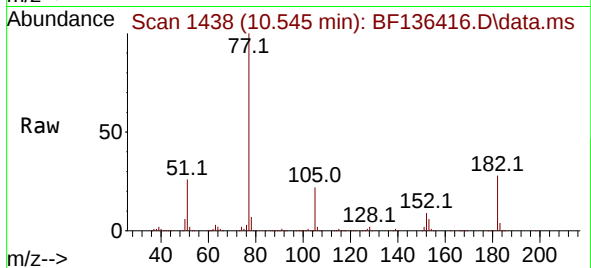
Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

PB156824BS



Tgt Ion: 77 Resp: 825210

Ion Ratio Lower Upper

77 100

182 28.5 10.8 50.8

105 22.1 2.6 42.6

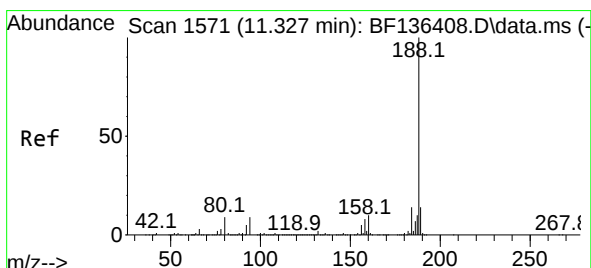
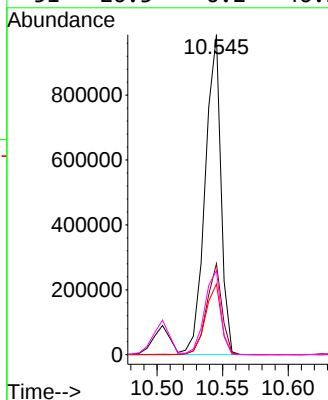
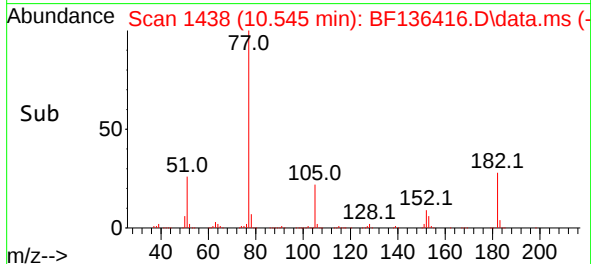
51 26.3 6.2 46.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/07/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.328 min Scan# 1571

Delta R.T. 0.000 min

Lab File: BF136416.D

Acq: 05 Dec 2023 20:22

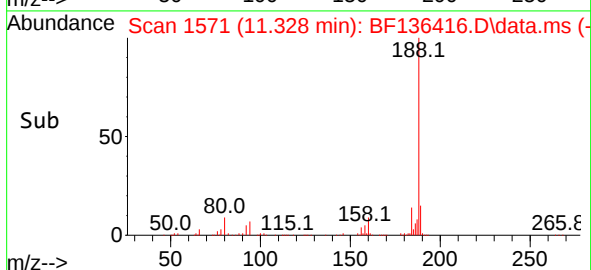
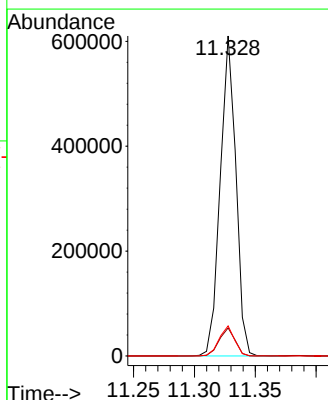
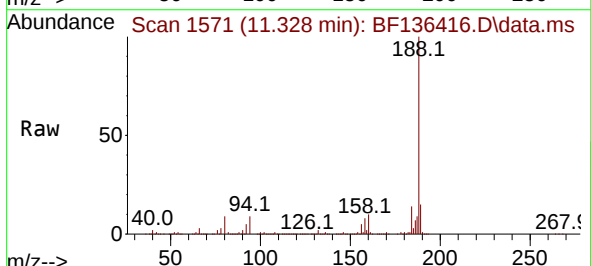
Tgt Ion:188 Resp: 547472

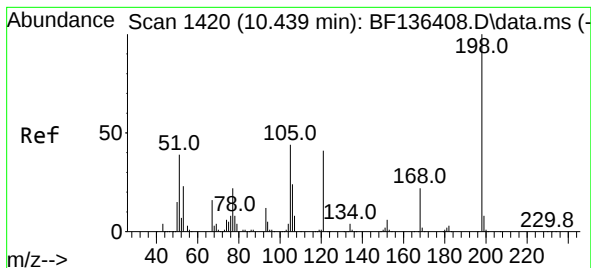
Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

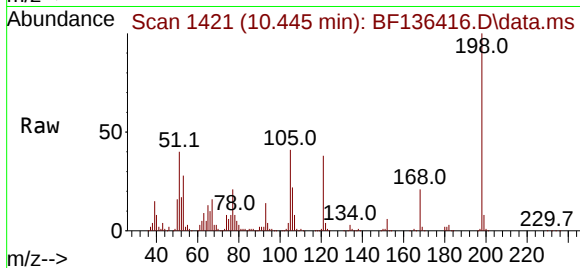
80 9.4 7.2 10.8





#65
4,6-Dinitro-2-methylphenol
Concen: 48.061 ng
RT: 10.445 min Scan# 1420
Delta R.T. 0.006 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

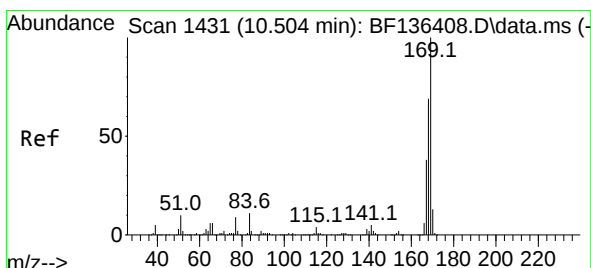
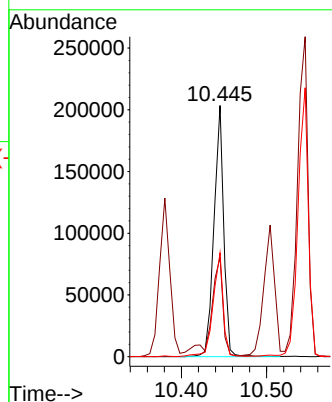
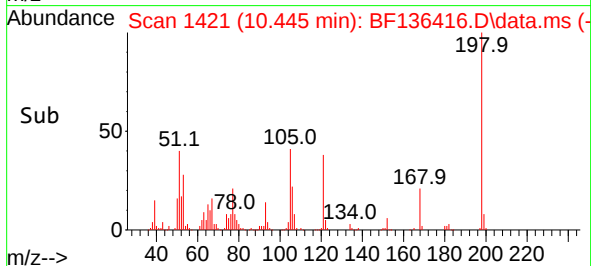
Instrument :
BNA_F
ClientSampleId :
PB156824BS



Tgt Ion:198 Resp: 16295
Ion Ratio Lower Upper
198 100
51 39.6 24.1 64.1
105 41.3 24.8 64.8

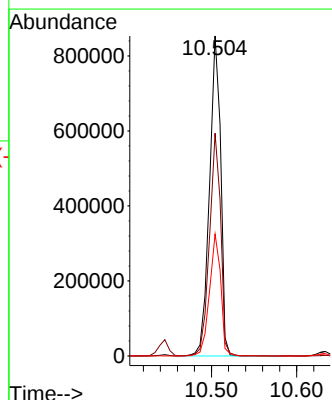
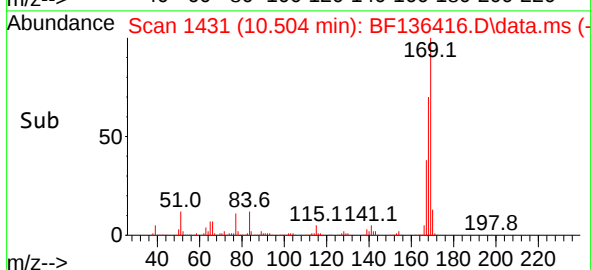
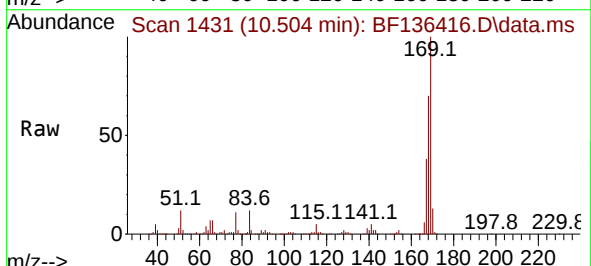
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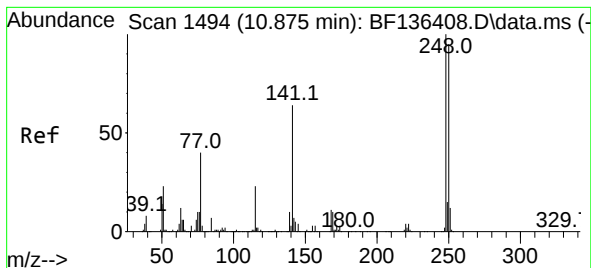
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#66
n-Nitrosodiphenylamine
Concen: 44.296 ng
RT: 10.504 min Scan# 1431
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Tgt Ion:169 Resp: 778165
Ion Ratio Lower Upper
169 100
168 69.6 55.3 82.9
167 38.1 30.1 45.1





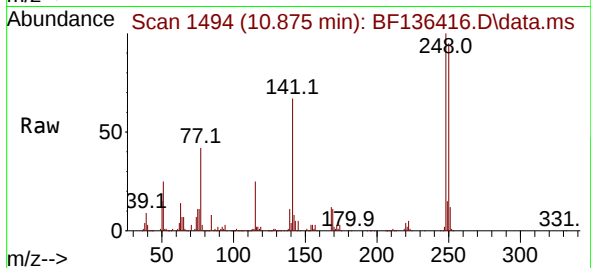
#67
4-Bromophenyl-phenylether
Concen: 43.181 ng
RT: 10.875 min Scan# 1494
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

PB156824BS

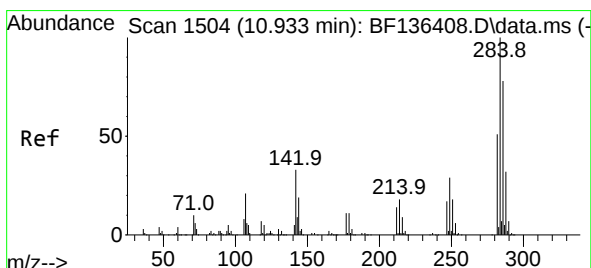
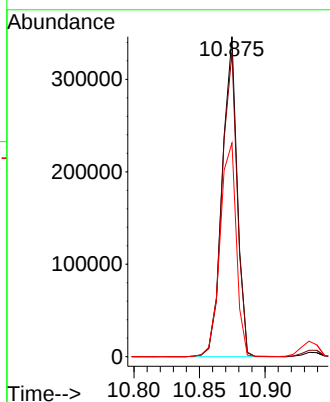
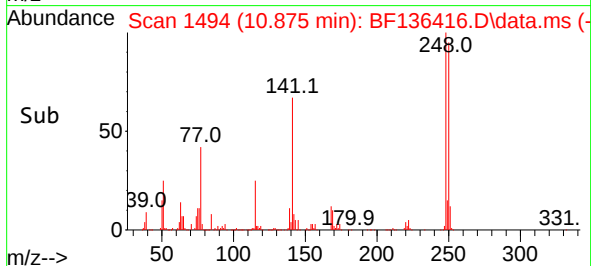


Tgt Ion:248 Resp: 27485
Ion Ratio Lower Upper
248 100
250 95.1 76.2 114.2
141 66.8 51.0 76.4

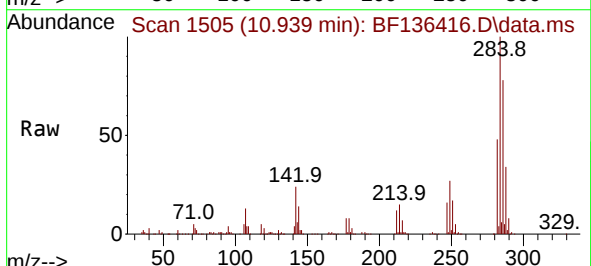
Manual Integrations

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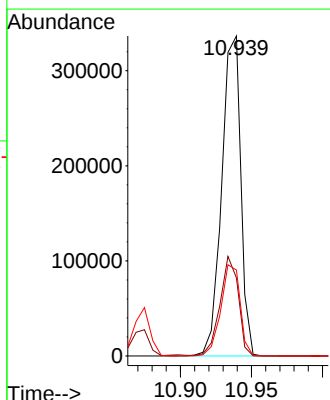
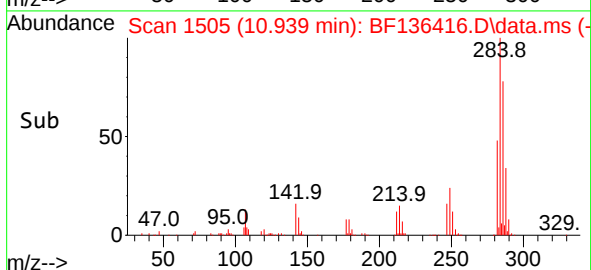
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

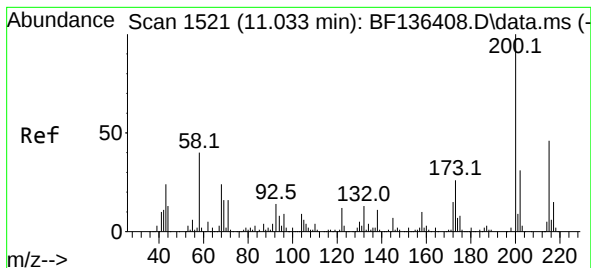


#68
Hexachlorobenzene
Concen: 42.609 ng
RT: 10.939 min Scan# 1505
Delta R.T. 0.006 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22



Tgt Ion:284 Resp: 313462
Ion Ratio Lower Upper
284 100
142 24.4 26.5 39.7#
249 26.9 23.4 35.0





#69

Atrazine

Concen: 37.030 ng

RT: 11.033 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136416.D

Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

PB156824BS

Tgt Ion:200 Resp: 18566

Ion Ratio Lower Upper

200 100

173 25.2 6.0 46.0

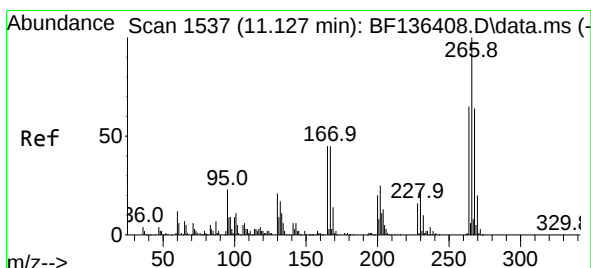
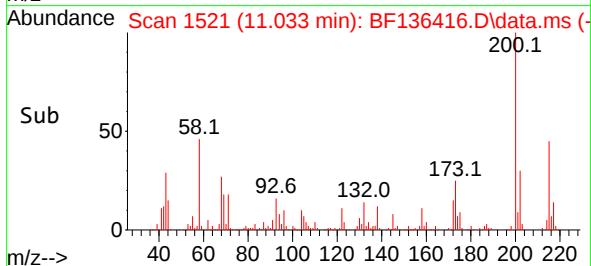
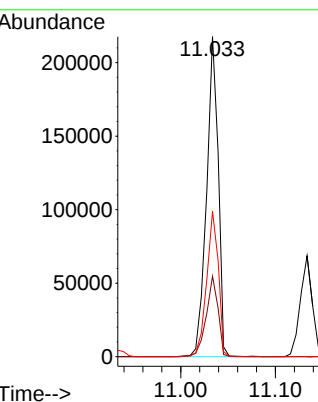
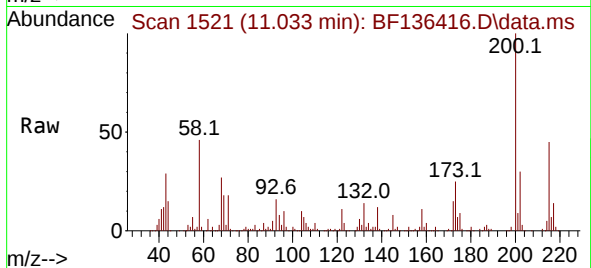
215 45.5 25.5 65.5

Manual Integrations

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Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/07/2023



#70

Pentachlorophenol

Concen: 82.316 ng

RT: 11.133 min Scan# 1538

Delta R.T. 0.006 min

Lab File: BF136416.D

Acq: 05 Dec 2023 20:22

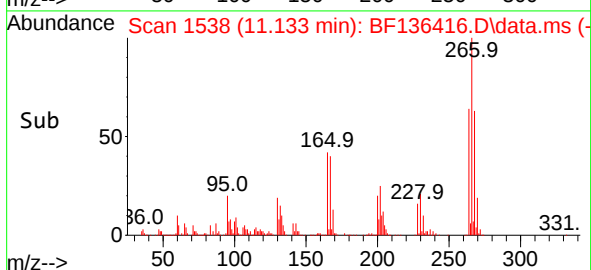
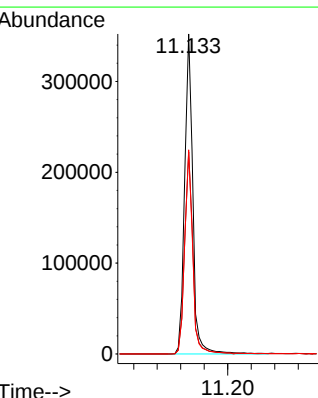
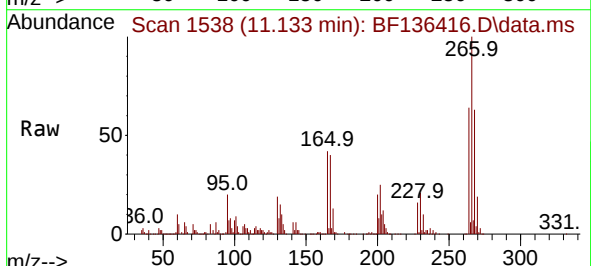
Tgt Ion:266 Resp: 341777

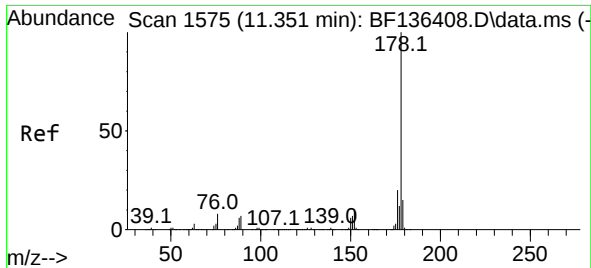
Ion Ratio Lower Upper

266 100

268 63.2 51.0 76.6

264 63.8 52.2 78.4





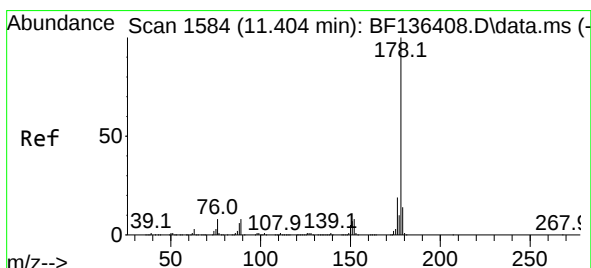
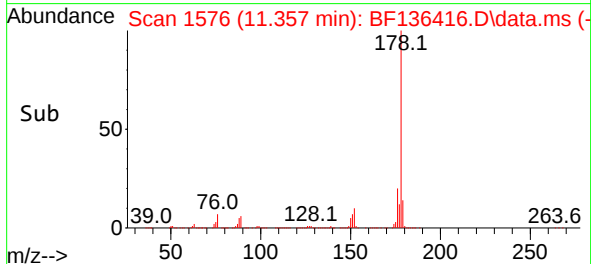
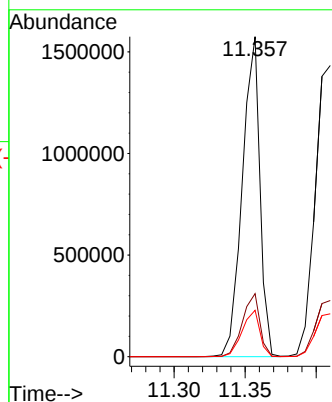
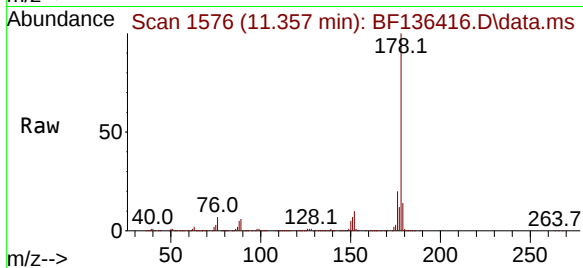
#71
Phenanthrene
Concen: 45.173 ng
RT: 11.357 min Scan# 1575
Delta R.T. 0.006 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Instrument :
BNA_F
ClientSampleId :
PB156824BS

Tgt Ion:178 Resp: 135933
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 14.5 11.8 17.6

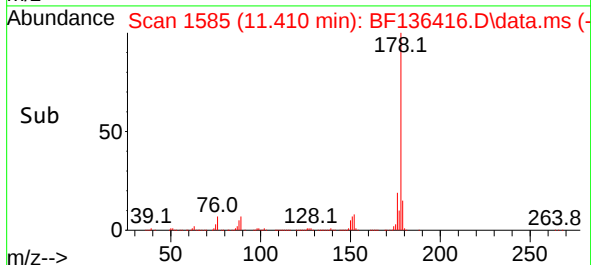
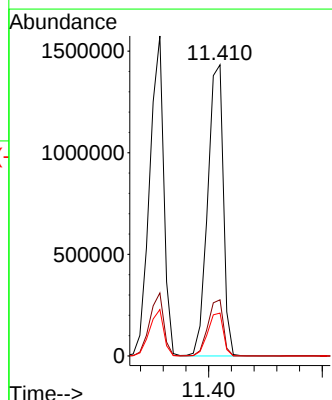
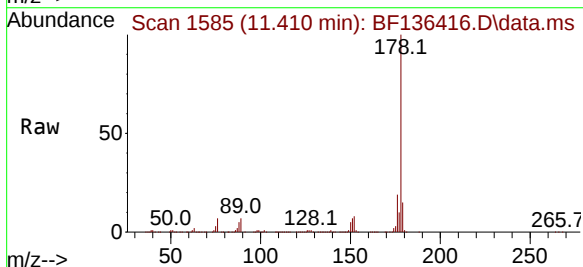
Manual Integrations
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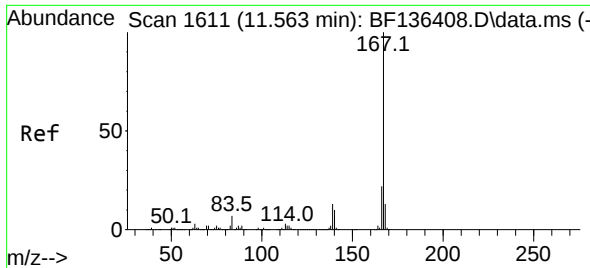
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#72
Anthracene
Concen: 45.065 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

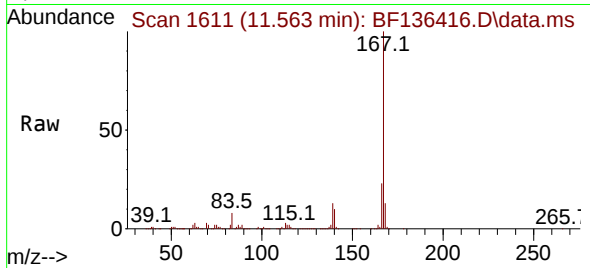
Tgt Ion:178 Resp: 1365852
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 14.8 11.4 17.0





#73
 Carbazole
 Concen: 44.045 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. 0.000 min
 Lab File: BF136416.D
 Acq: 05 Dec 2023 20:22

Instrument :
 BNA_F
 ClientSampleId :
 PB156824BS

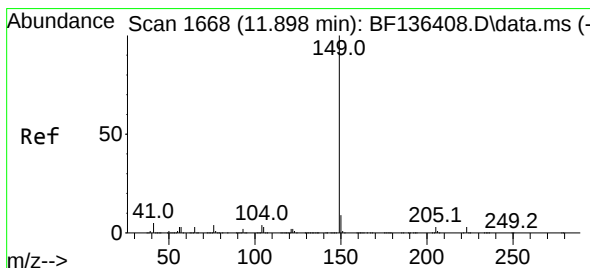
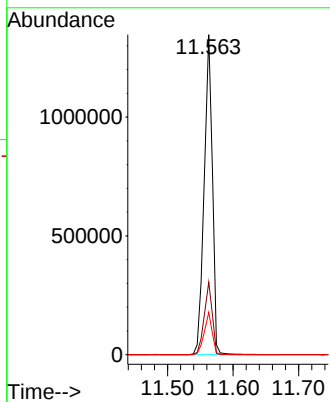
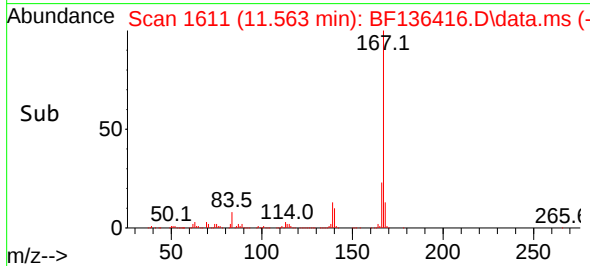


Tgt Ion:167 Resp: 1181519

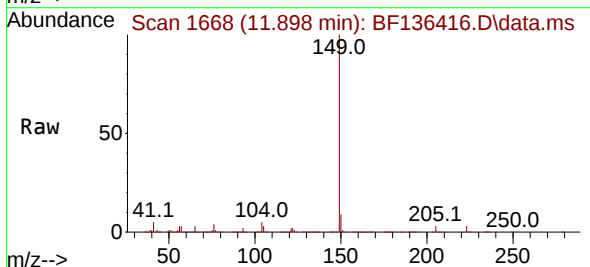
Ion	Ratio	Lower	Upper
167	100		
166	22.7	18.0	27.0
139	13.2	10.2	15.4

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Reviewed By :Yogesh Patel 12/07/2023
 Supervised By :mohammad ahmed 12/07/2023

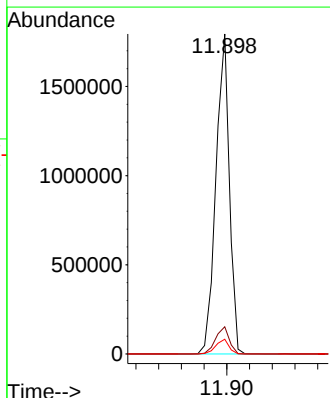
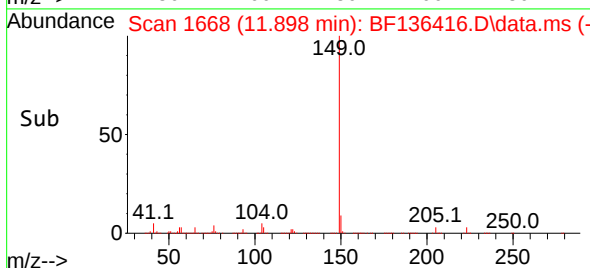


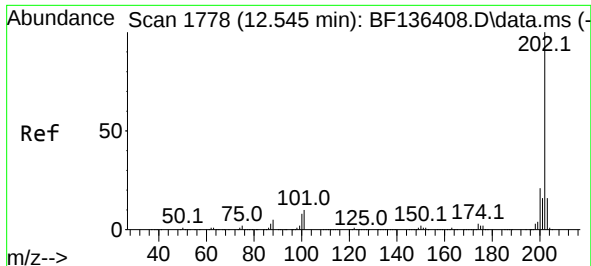
#74
 Di-n-butylphthalate
 Concen: 44.888 ng
 RT: 11.898 min Scan# 1668
 Delta R.T. 0.000 min
 Lab File: BF136416.D
 Acq: 05 Dec 2023 20:22



Tgt Ion:149 Resp: 1476168

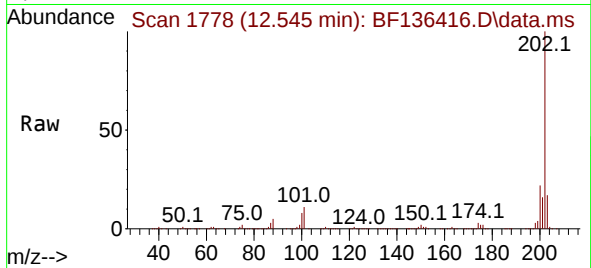
Ion	Ratio	Lower	Upper
149	100		
150	8.5	6.9	10.3
104	4.6	3.5	5.3





#75
Fluoranthene
Concen: 43.838 ng
RT: 12.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

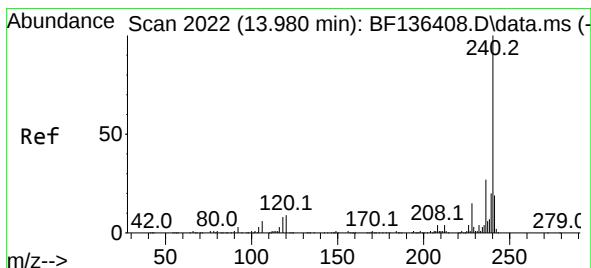
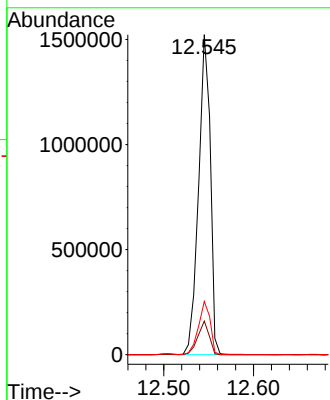
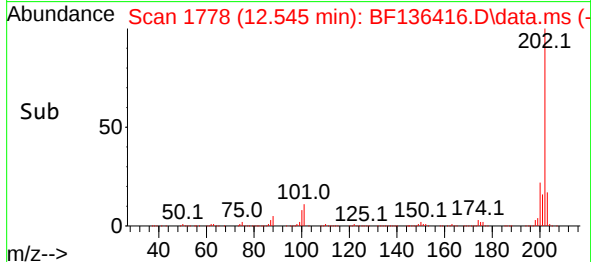
Instrument :
BNA_F
ClientSampleId :
PB156824BS



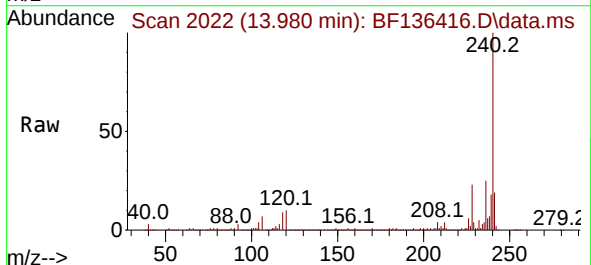
Tgt Ion:202 Resp: 138240
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.9
203 16.7 0.0 36.3

Manual Integrations
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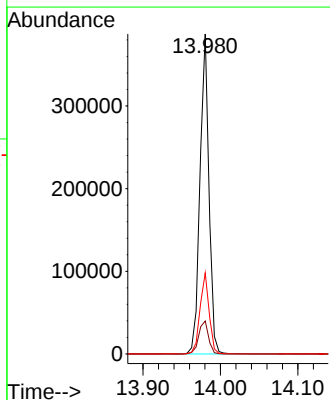
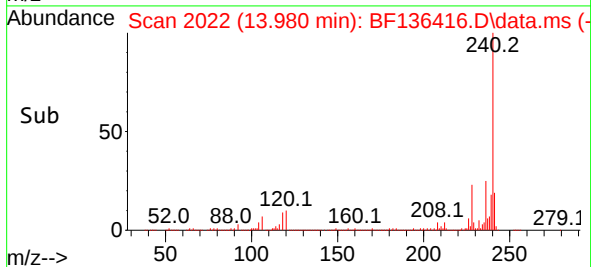
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

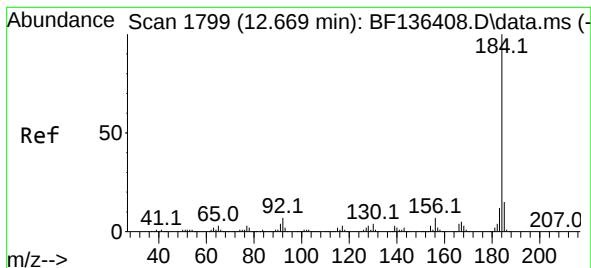


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22



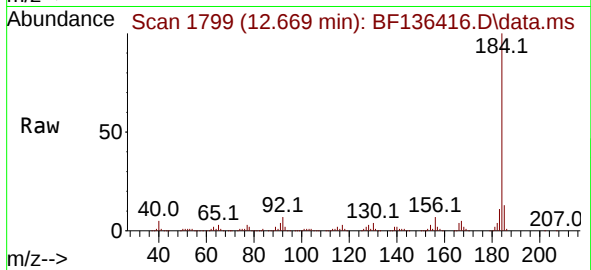
Tgt Ion:240 Resp: 311165
Ion Ratio Lower Upper
240 100
120 10.3 7.3 10.9
236 25.4 21.3 31.9





#77
Benzidine
Concen: 33.880 ng
RT: 12.669 min Scan# 1799
Delta R.T. -0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

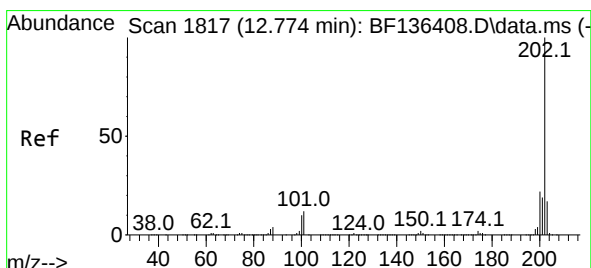
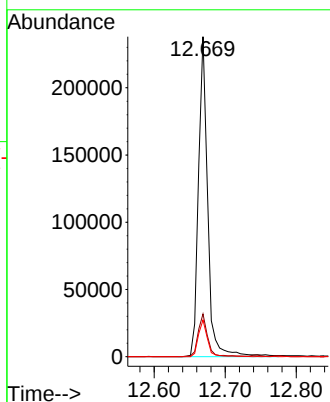
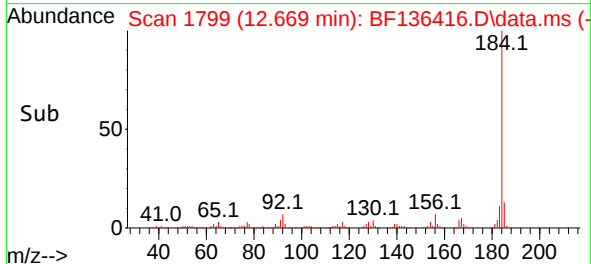
Instrument :
BNA_F
ClientSampleId :
PB156824BS



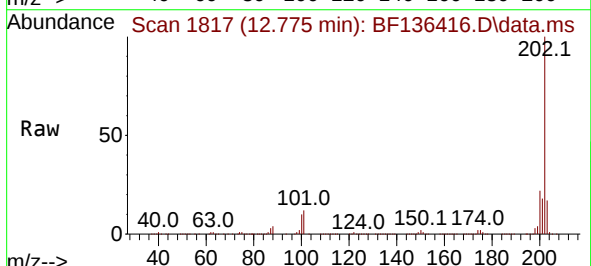
Tgt Ion:184 Resp: 215823
Ion Ratio Lower Upper
184 100
185 13.4 12.0 18.0
183 11.5 9.4 14.0

Manual Integrations
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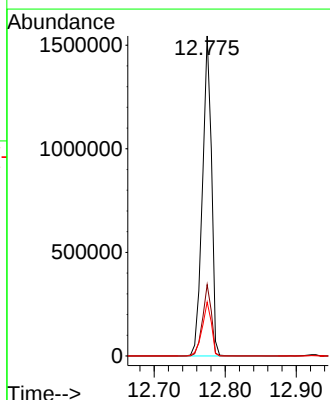
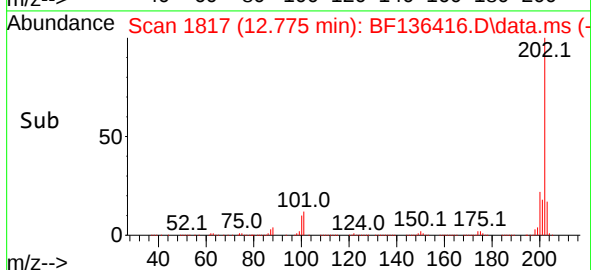
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

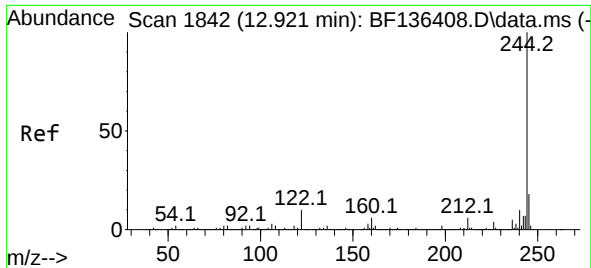


#78
Pyrene
Concen: 45.091 ng
RT: 12.775 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22



Tgt Ion:202 Resp: 1374103
Ion Ratio Lower Upper
202 100
200 22.3 18.0 27.0
203 16.9 13.5 20.3





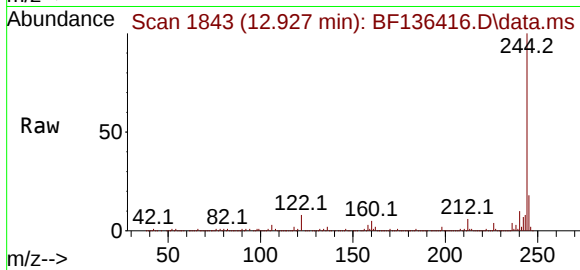
#79
 Terphenyl-d14
 Concen: 88.303 ng
 RT: 12.927 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF136416.D
 Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

PB156824BS



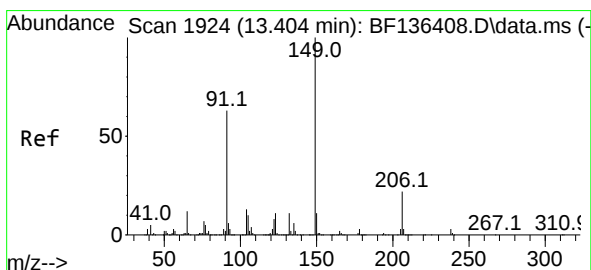
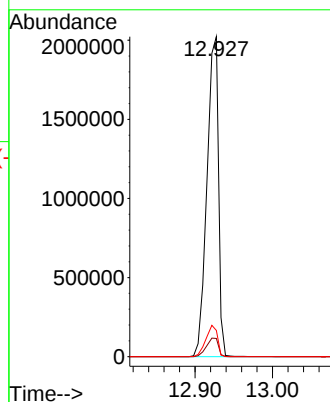
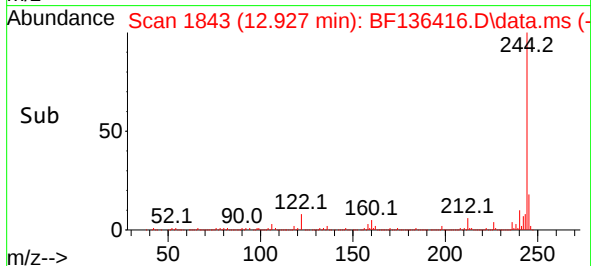
Tgt Ion:244 Resp: 2084672
 Ion Ratio Lower Upper
 244 100
 212 5.7 5.0 7.4
 122 8.2 8.3 12.5

Manual Integrations

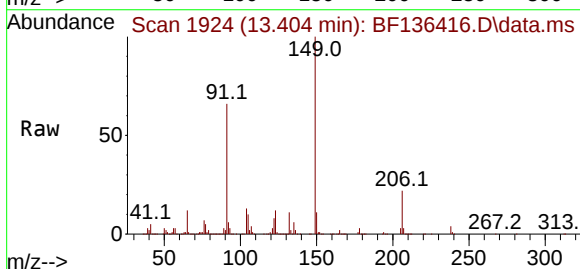
APPROVED

Reviewed By :Yogesh Patel 12/07/2023

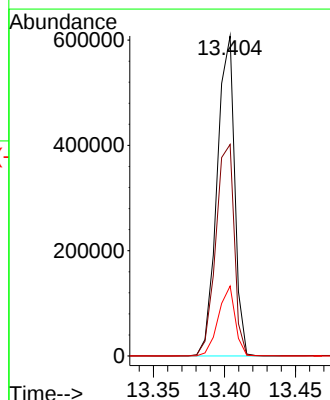
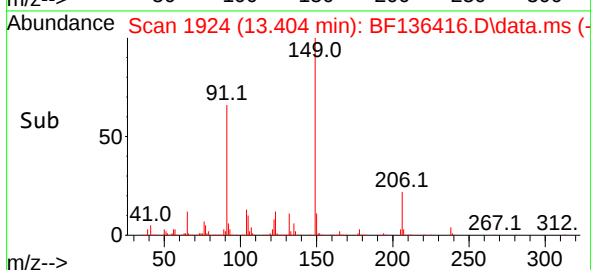
Supervised By :mohammad ahmed 12/07/2023

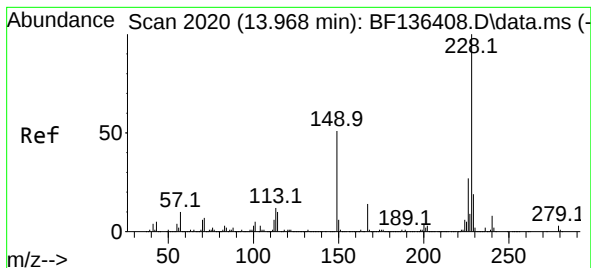


#80
 Butylbenzylphthalate
 Concen: 48.097 ng
 RT: 13.404 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: BF136416.D
 Acq: 05 Dec 2023 20:22



Tgt Ion:149 Resp: 521775
 Ion Ratio Lower Upper
 149 100
 91 66.1 50.5 75.7
 206 21.9 17.4 26.2





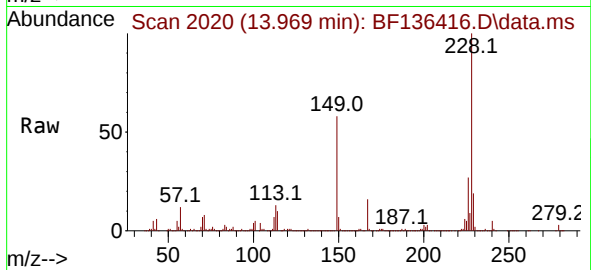
#81
Benzo(a)anthracene
Concen: 45.255 ng
RT: 13.969 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

PB156824BS

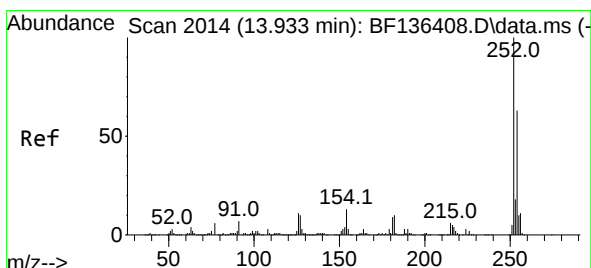
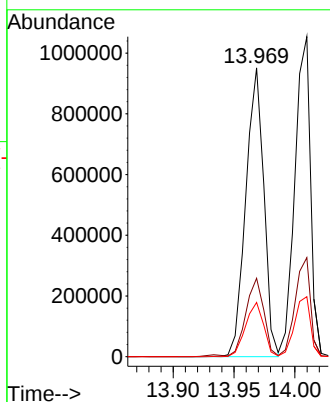
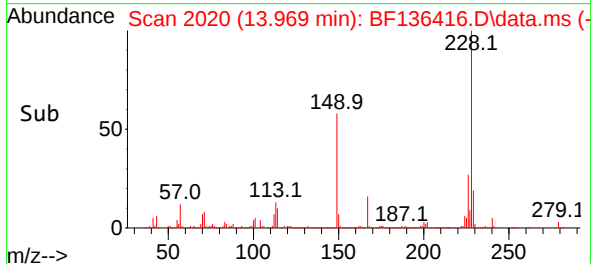


Tgt Ion:228 Resp: 98088
Ion Ratio Lower Upper
228 100
226 27.2 21.8 32.8
229 18.8 15.0 22.4

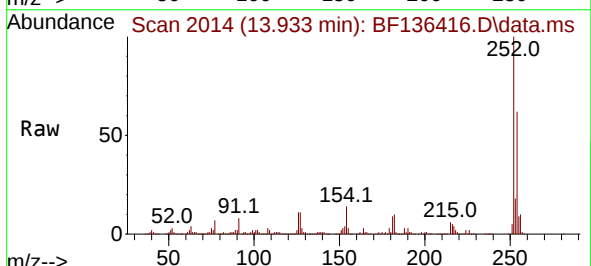
Manual Integrations

APPROVED

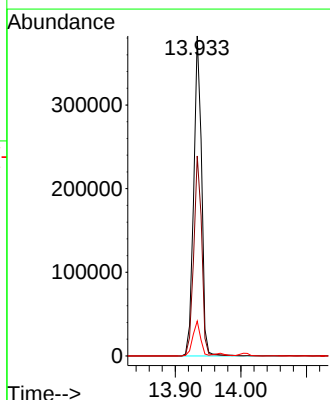
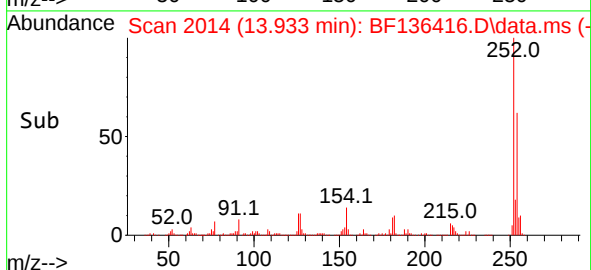
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#82
3,3'-Dichlorobenzidine
Concen: 52.881 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22



Tgt Ion:252 Resp: 321364
Ion Ratio Lower Upper
252 100
254 62.5 50.8 76.2
126 10.9 8.6 12.8





#83

Chrysene

Concen: 44.419 ng

RT: 14.010 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF136416.D

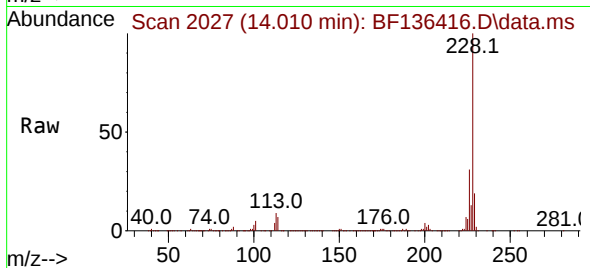
Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

PB156824BS



Tgt Ion:228 Resp: 94723

Ion Ratio Lower Upper

228 100

226 30.9 23.8 35.6

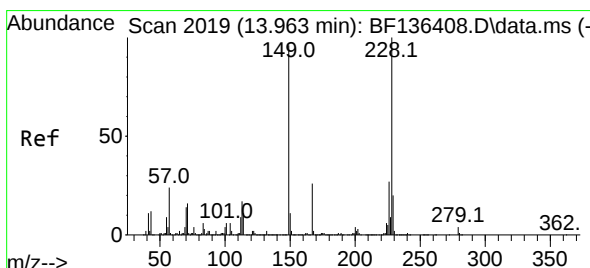
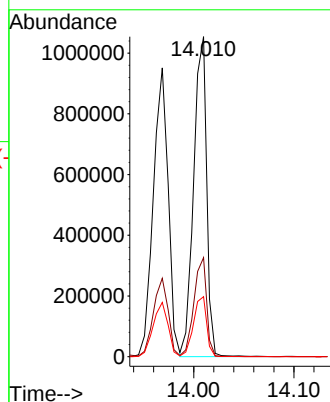
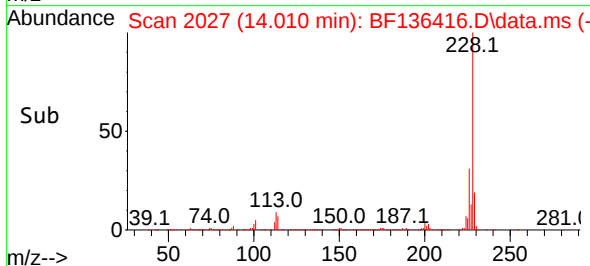
229 18.7 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/07/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.779 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF136416.D

Acq: 05 Dec 2023 20:22

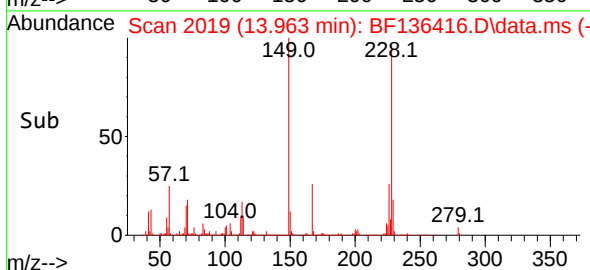
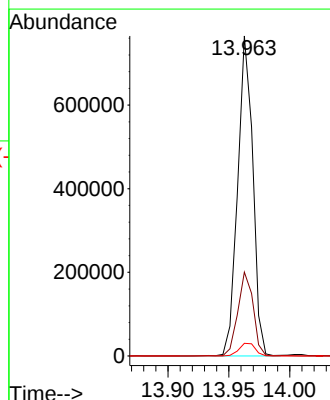
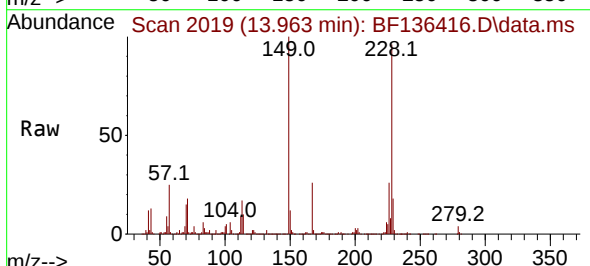
Tgt Ion:149 Resp: 662015

Ion Ratio Lower Upper

149 100

167 26.2 21.2 31.8

279 4.0 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 50.836 ng

RT: 14.580 min Scan# 2124

Delta R.T. 0.000 min

Lab File: BF136416.D

Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

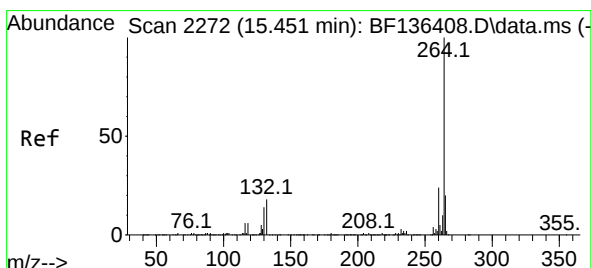
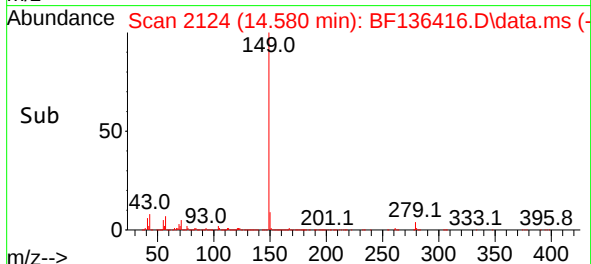
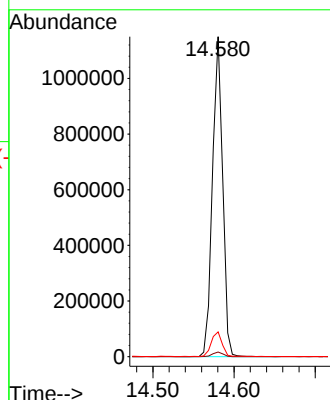
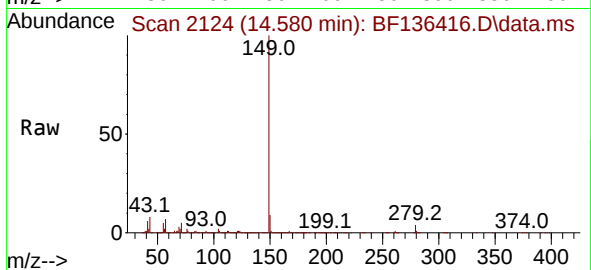
ClientSampleId :

PB156824BS

Tgt Ion:149 Resp: 998621
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.3 1.9
 43 8.1 6.8 10.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/07/2023
 Supervised By :mohammad ahmed 12/07/2023



#86

Perylene-d12

Concen: 20.000 ng

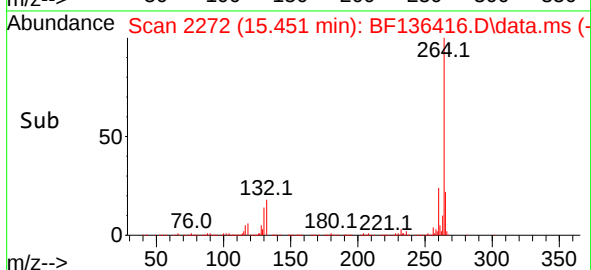
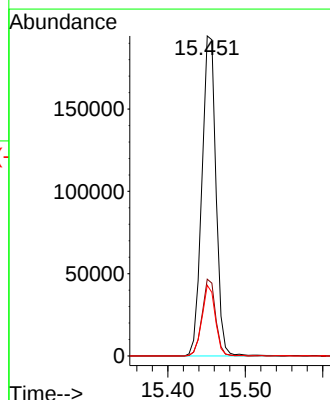
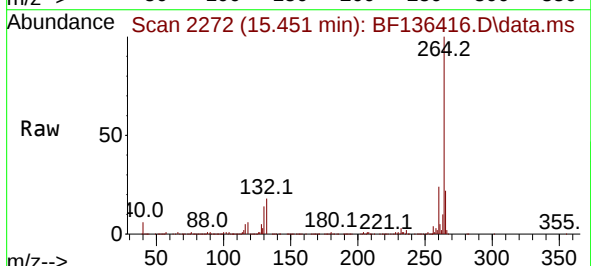
RT: 15.451 min Scan# 2272

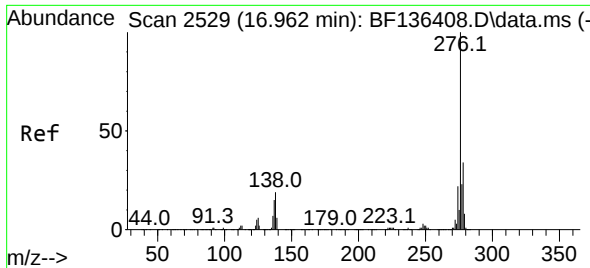
Delta R.T. 0.000 min

Lab File: BF136416.D

Acq: 05 Dec 2023 20:22

Tgt Ion:264 Resp: 245221
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 22.1 15.9 23.9





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 51.956 ng
 RT: 16.962 min Scan# 2199
 Delta R.T. 0.000 min
 Lab File: BF136416.D
 Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

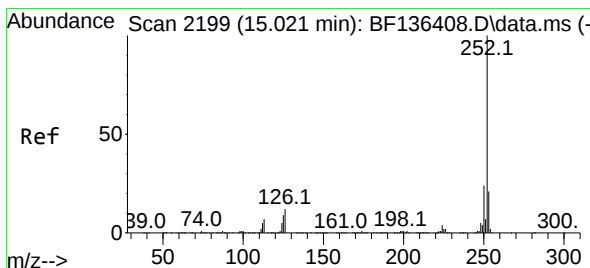
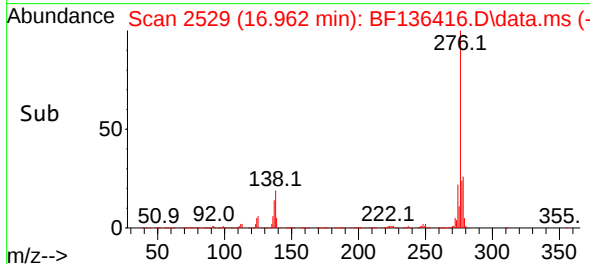
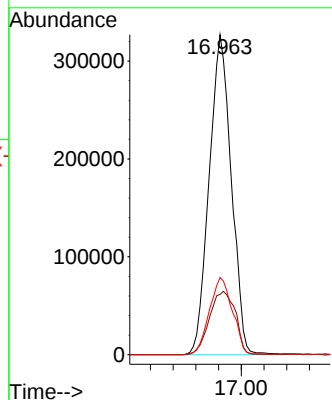
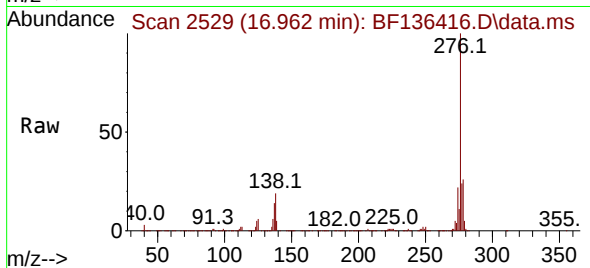
PB156824BS

Tgt Ion:276 Resp: 885118
 Ion Ratio Lower Upper
 276 100
 138 23.3 19.0 28.4
 277 25.2 20.0 30.0

Manual Integrations

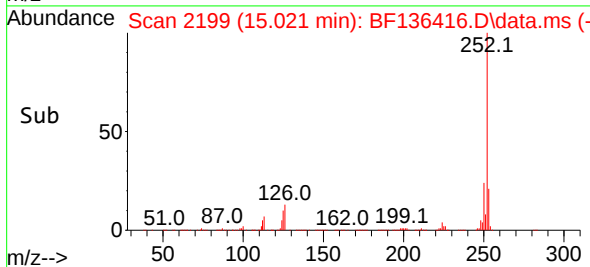
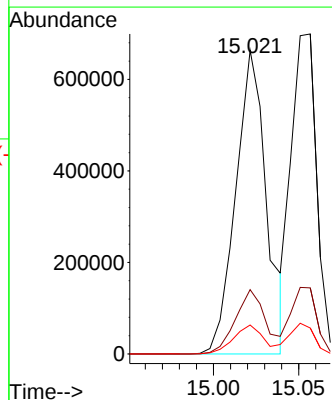
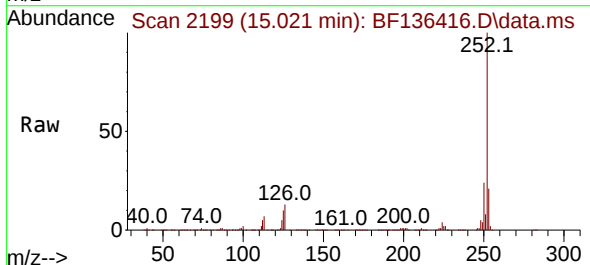
APPROVED

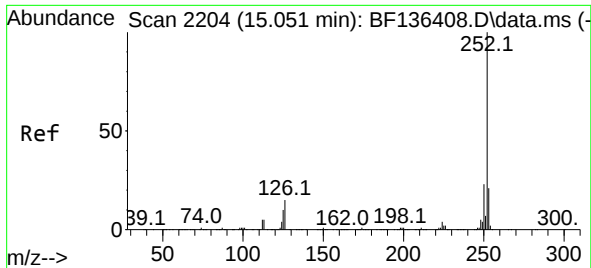
Reviewed By :Yogesh Patel 12/07/2023
 Supervised By :mohammad ahmed 12/07/2023



#88
 Benzo(b)fluoranthene
 Concen: 49.592 ng
 RT: 15.021 min Scan# 2199
 Delta R.T. 0.000 min
 Lab File: BF136416.D
 Acq: 05 Dec 2023 20:22

Tgt Ion:252 Resp: 831477
 Ion Ratio Lower Upper
 252 100
 253 21.2 16.9 25.3
 125 9.5 7.4 11.2





#89
Benzo(k)fluoranthene
Concen: 46.211 ng
RT: 15.057 min Scan# 2205
Delta R.T. 0.006 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

Instrument :

BNA_F

ClientSampleId :

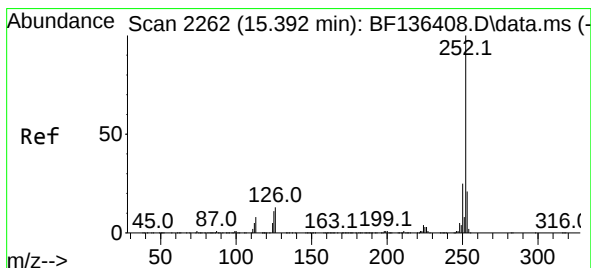
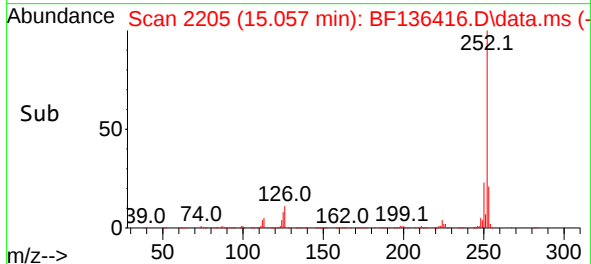
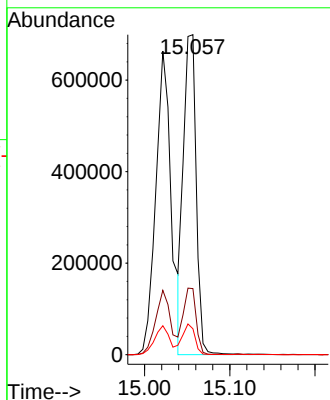
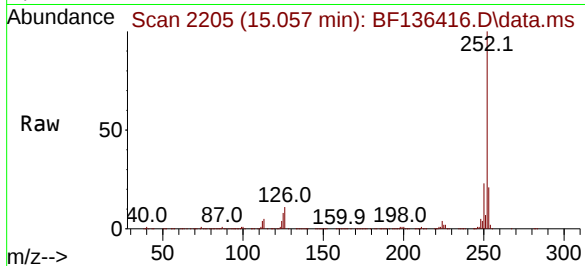
PB156824BS

Tgt Ion:252 Resp: 730179
Ion Ratio Lower Upper
252 100
253 20.7 16.9 25.3
125 8.1 7.5 11.3

Manual Integrations

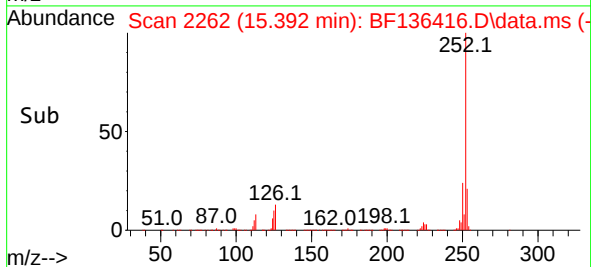
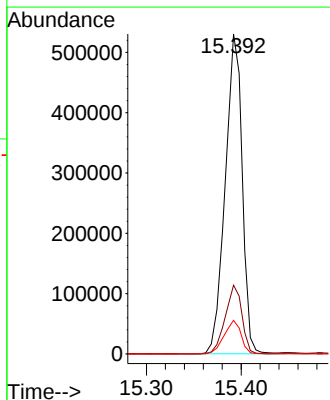
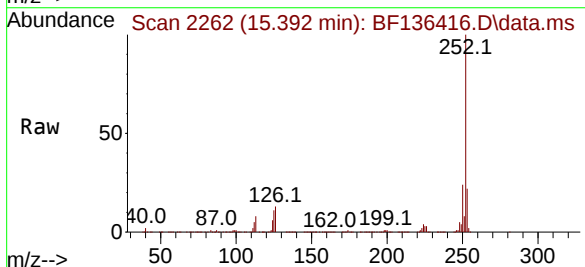
APPROVED

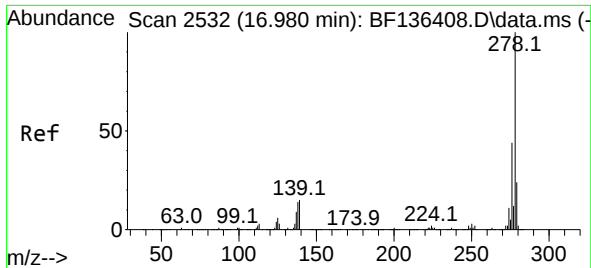
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#90
Benzo(a)pyrene
Concen: 47.753 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.000 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

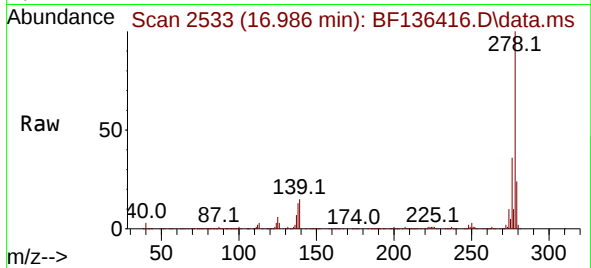
Tgt Ion:252 Resp: 661203
Ion Ratio Lower Upper
252 100
253 21.5 17.0 25.4
125 10.5 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 52.738 ng
RT: 16.986 min Scan# 2532
Delta R.T. 0.006 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22

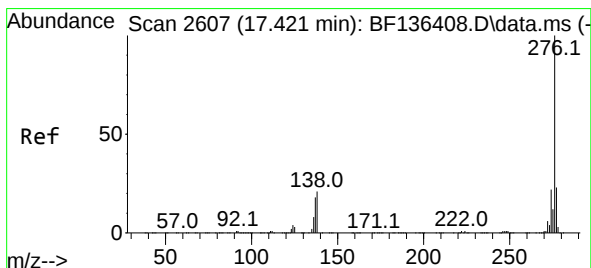
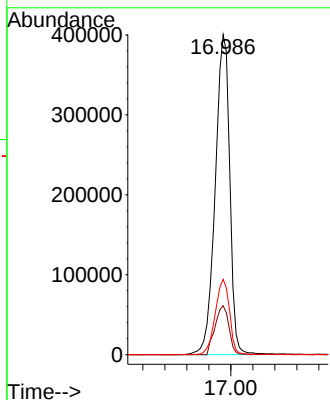
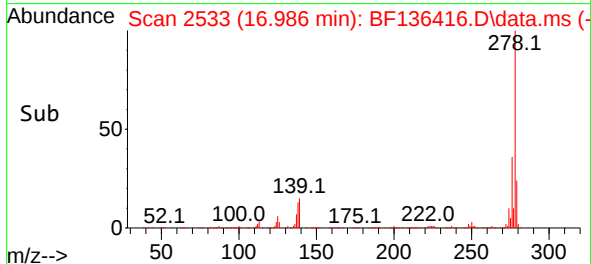
Instrument :
BNA_F
ClientSampleId :
PB156824BS



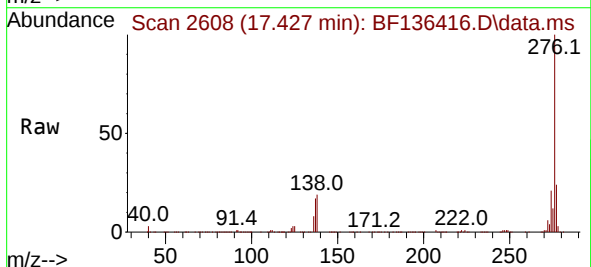
Tgt Ion:278 Resp: 736050
Ion Ratio Lower Upper
278 100
139 15.3 12.2 18.4
279 23.6 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#92
Benzo(g,h,i)perylene
Concen: 51.290 ng
RT: 17.427 min Scan# 2608
Delta R.T. 0.006 min
Lab File: BF136416.D
Acq: 05 Dec 2023 20:22



Tgt Ion:276 Resp: 734733
Ion Ratio Lower Upper
276 100
277 24.0 18.7 28.1
138 19.4 16.6 25.0

