

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110723\
 Data File : BP017957.D
 Acq On : 08 Nov 2023 10:07
 Operator : MA/JU
 Sample : 05168-04
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 XA015

Quant Time: Nov 08 10:42:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP110623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 07 03:40:56 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
 Supervised By :mohammad ahmed 11/11/2023

Supervised By :mohammad
 ahmed
 11/11/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	76280	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.669	136	323295	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.516	164	205695	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.292	188	460172	20.000	ng/u1	0.00
79) Chrysene-d12	21.410	240	421103	20.000	ng/u1	0.00
88) Perylene-d12	23.892	264	456044	20.000	ng/u1	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.240	96	11754	5.897	ng/uL	0.00
4) Pyridine-d5	3.675	84	167022	30.196	ng/u1	0.00
7) Phenol-d5	7.022	99	225259	31.490	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.205	67	140890	32.651	ng/u1	0.00
11) 2-Chlorophenol-d4	7.381	132	176587	32.127	ng/u1	0.00
15) 4-Methylphenol-d8	8.575	113	187855	31.773	ng/u1	0.00
21) Nitrobenzene-d5	9.057	128	90167	34.900	ng/u1	0.00
24) 2-Nitrophenol-d4	9.769	143	104873	35.243	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.293	165	175044	32.087	ng/u1	0.00
31) 4-Chloroaniline-d4	10.846	131	255628	32.336	ng/u1	0.00
46) Dimethylphthalate-d6	13.939	166	648451	35.952	ng/u1	0.00
49) Acenaphthylene-d8	14.216	160	665110	33.606	ng/u1	0.00
54) 4-Nitrophenol-d4	14.775	143	84992	30.648	ng/u1	0.00
60) Fluorene-d10	15.516	176	529329	35.063	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.669	200	98727	29.338	ng/u1	0.00
73) Anthracene-d10	17.392	188	888329	37.128	ng/u1	0.00
81) Pyrene-d10	19.639	212	1069194	39.997	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.727	264	987306	38.746	ng/u1	0.00

Target Compounds					Qvalue
10) Bis(2-Chloroethyl)ether	7.299	93	554868	98.455	ng/u1 97
14) 2,2'-oxybis(1-Chloropr...	8.387	45	815980m	125.762	ng/u1
22) Nitrobenzene	9.099	77	168582	23.925	ng/u1 97
23) Isophorone	9.604	82	319640	24.945	ng/u1 98
27) Bis(2-Chloroethoxy)met...	10.098	93	589964	83.698	ng/u1 99
36) 2-Methylnaphthalene	12.334	142	678926	53.028	ng/u1 100
47) Dimethylphthalate	13.992	163	2700550	151.824	ng/u1 99
50) Acenaphthylene	14.245	152	401390	18.120	ng/u1 99
52) Acenaphthene	14.581	153	580146	39.517	ng/u1 99
61) Fluorene	15.575	166	722096	42.054	ng/u1 98
68) 4-Bromophenyl-phenylether	16.469	248	101479	18.727	ng/u1 92
69) Hexachlorobenzene	16.551	284	243232	39.107	ng/u1# 89
72) Phenanthrene	17.333	178	966858	35.733	ng/u1 99
74) Anthracene	17.428	178	1028480	37.394	ng/u1 99
78) Di-n-butylphthalate	18.227	149	3291877	107.872	ng/u1 99
82) Pyrene	19.669	202	766681	23.562	ng/u1 99
83) Butylbenzylphthalate	20.539	149	1275975	89.128	ng/u1 98
85) Benzo(a)anthracene	21.392	228	587984	18.131	ng/u1 100
86) Bis(2-ethylhexyl)phtha...	21.274	149	2035761	98.201	ng/u1 99
89) Di-n-octyl phthalate	22.227	149	4899369	127.203	ng/u1 100
90) Benzo(b)fluoranthene	23.121	252	748069	23.766	ng/u1 98
91) Benzo(k)fluoranthene	23.174	252	870180	27.568	ng/u1 100
93) Benzo(a)pyrene	23.780	252	320459	10.952	ng/u1 99
95) Dibenzo(a,h)anthracene	26.551	278	1076691	37.139	ng/u1 99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110723\
 Data File : BP017957.D
 Acq On : 08 Nov 2023 10:07
 Operator : MA/JU
 Sample : 05168-04
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 XA015

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
 Supervised By :mohammad ahmed 11/11/2023

Supervised By :mohammad
 ahmed
 11/11/2023

Quant Time: Nov 08 10:42:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP110623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 07 03:40:56 2023
 Response via : Initial Calibration

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110723\
 Data File : BP017957.D
 Acq On : 08 Nov 2023 10:07
 Operator : MA/JU
 Sample : 05168-04
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

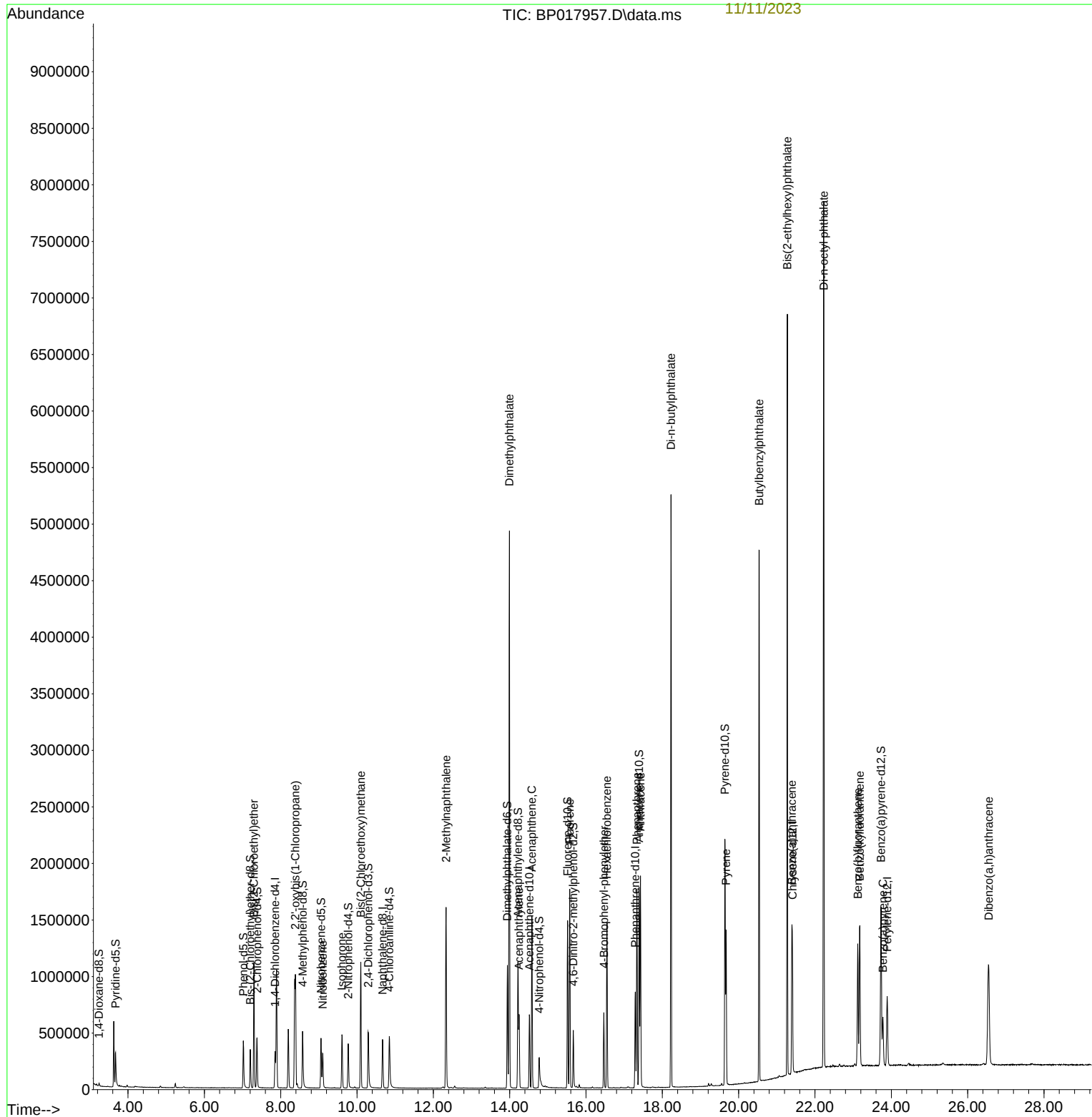
Instrument :
 BNA_P
 ClientSampleId :
 XA015

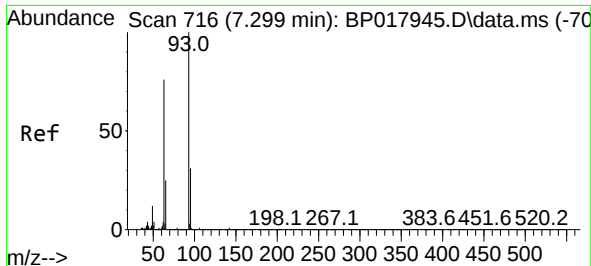
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
 Supervised By :mohammad ahmed 11/11/2023

Supervised By :mohammad
 ahmed

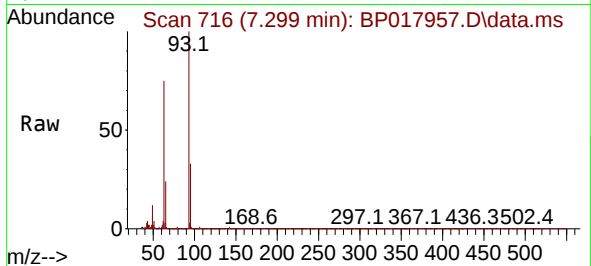
11/11/2023





#10
Bis(2-Chloroethyl)ether
Concen: 98.455 ng/ul
RT: 7.299 min Scan# 716
Delta R.T. -0.006 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07

Instrument :
BNA_P
ClientSampleId :
XA015

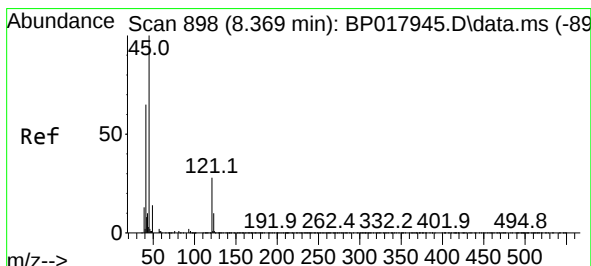
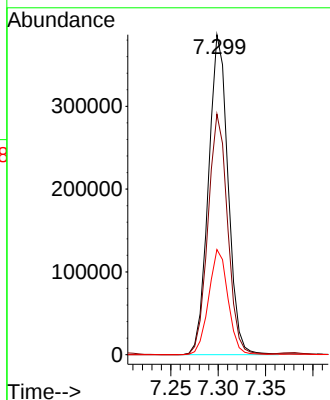
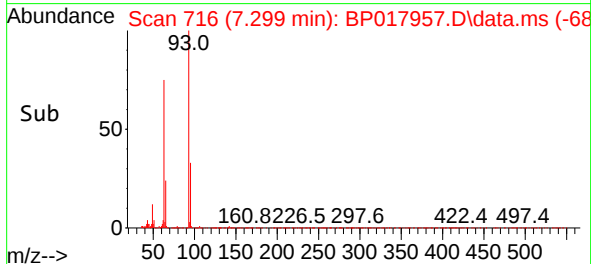


Tgt Ion: 93 Resp: 55486
Ion Ratio Lower Upper
93 100
63 75.2 57.2 85.8
95 32.8 26.2 39.4

Manual Integrations
APPROVED

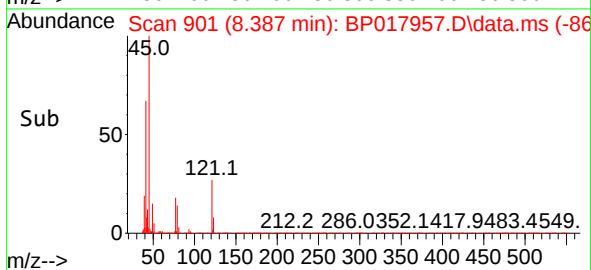
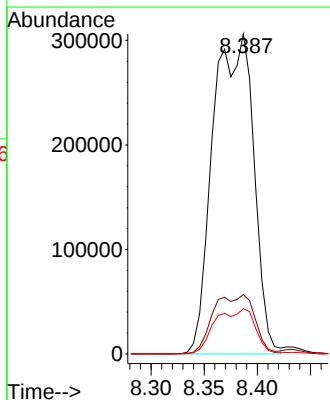
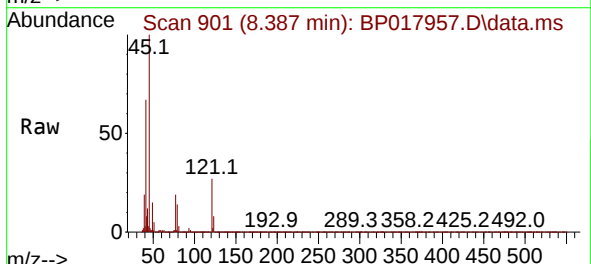
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/11/2023

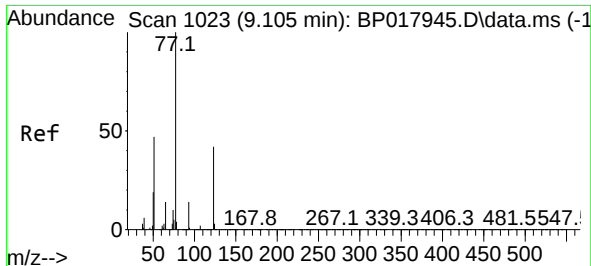
Supervised By :mohammad
ahmed
11/11/2023



#14
2,2'-oxybis(1-Chloropropane)
Concen: 125.762 ng/ul m
RT: 8.387 min Scan# 901
Delta R.T. 0.012 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07

Tgt Ion: 45 Resp: 815980
Ion Ratio Lower Upper
45 100
77 18.6 14.8 22.2
79 14.1 11.2 16.8





#22
Nitrobenzene
Concen: 23.925 ng/ul
RT: 9.099 min Scan# 1023
Delta R.T. -0.012 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07

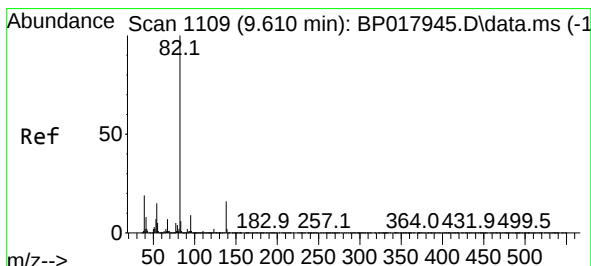
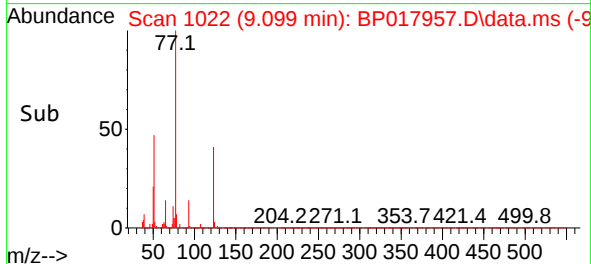
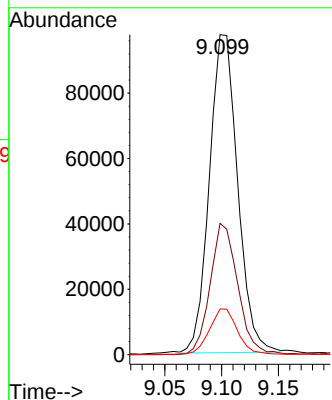
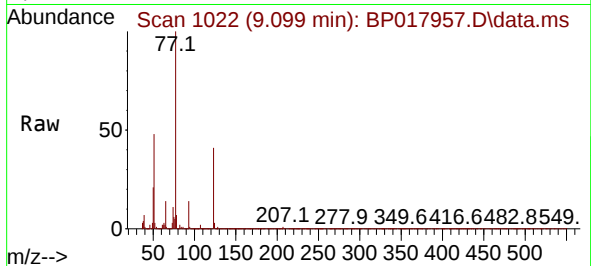
Instrument :
BNA_P
ClientSampleId :
XA015

Tgt Ion: 77 Resp: 16858
Ion Ratio Lower Upper
77 100
123 41.1 31.2 46.8
65 14.3 11.5 17.3

Manual Integrations
APPROVED

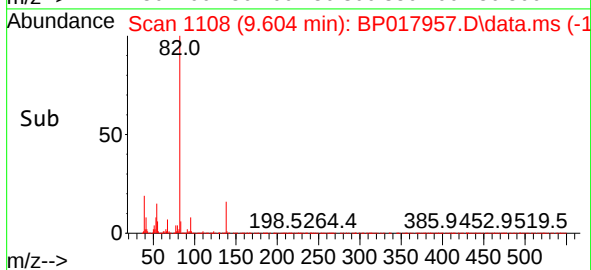
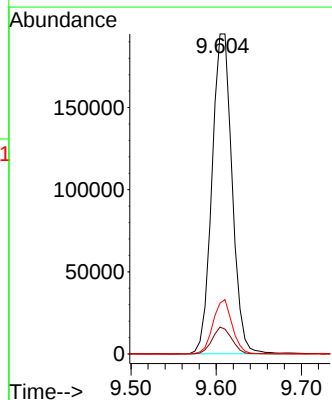
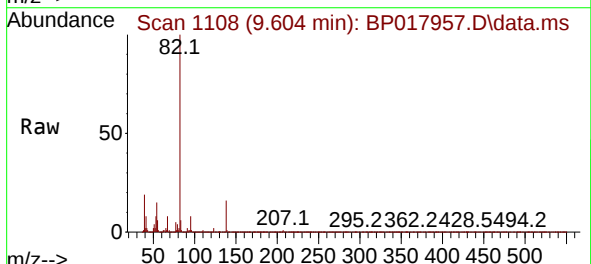
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/11/2023

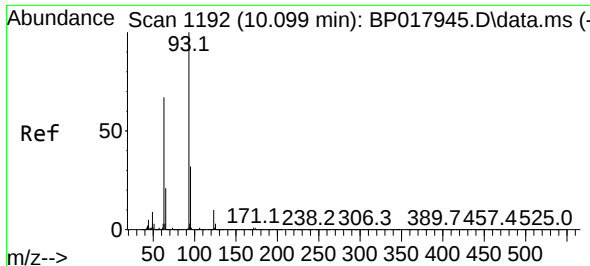
Supervised By :mohammad
ahmed
11/11/2023



#23
Isophorone
Concen: 24.945 ng/ul
RT: 9.604 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07

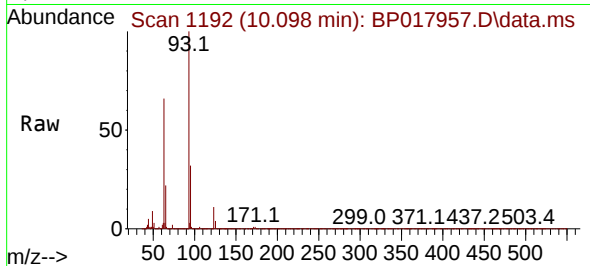
Tgt Ion: 82 Resp: 319640
Ion Ratio Lower Upper
82 100
95 8.4 7.2 10.8
138 15.9 13.4 20.2





#27
Bis(2-Chloroethoxy)methane
Concen: 83.698 ng/ul
RT: 10.098 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07

Instrument :
BNA_P
ClientSampleId :
XA015

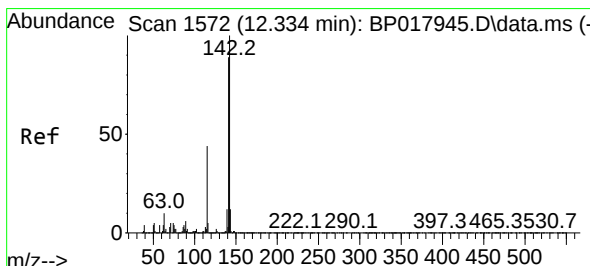
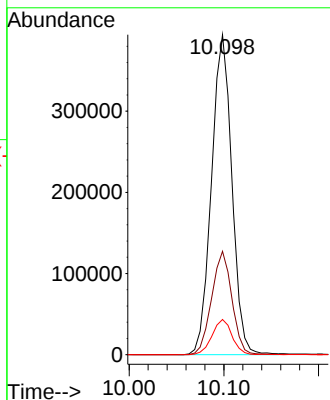
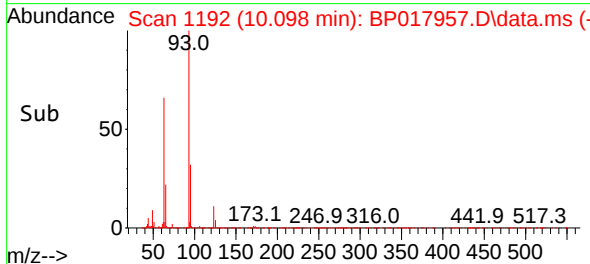


Tgt Ion: 93 Resp: 589964
Ion Ratio Lower Upper
93 100
95 32.3 26.2 39.4
123 11.0 9.2 13.8

Manual Integrations
APPROVED

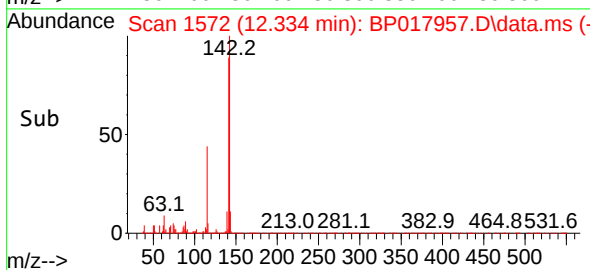
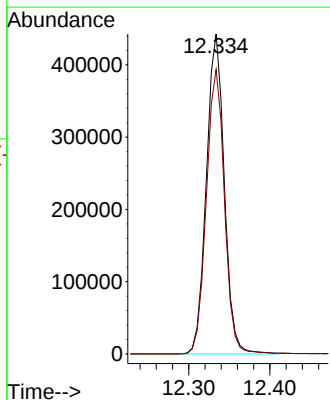
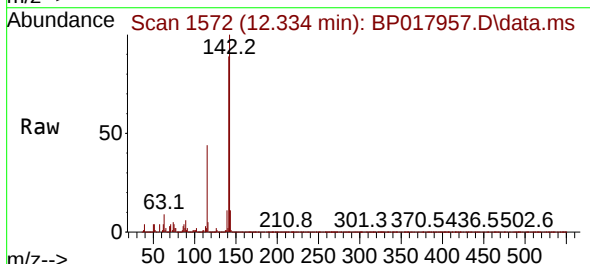
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/11/2023

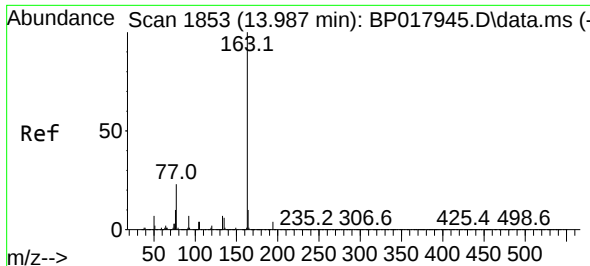
Supervised By :mohammad
ahmed
11/11/2023



#36
2-Methylnaphthalene
Concen: 53.028 ng/ul
RT: 12.334 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07

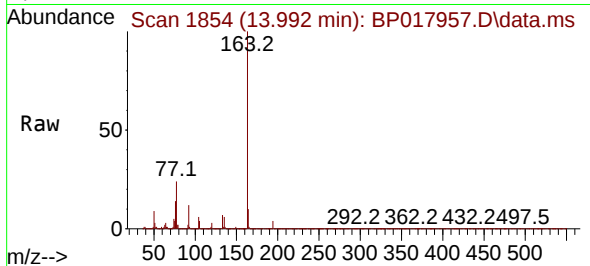
Tgt Ion:142 Resp: 678926
Ion Ratio Lower Upper
142 100
141 88.9 70.9 106.3





#47
Dimethylphthalate
Concen: 151.824 ng/ul
RT: 13.992 min Scan# 1854
Delta R.T. -0.000 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07

Instrument :
BNA_P
ClientSampleId :
XA015

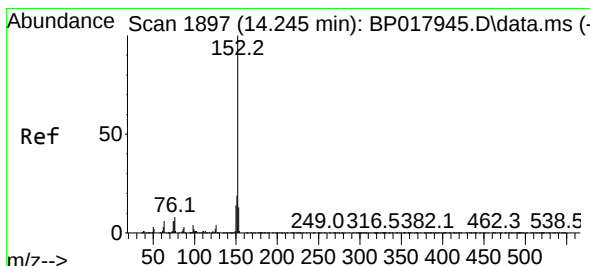
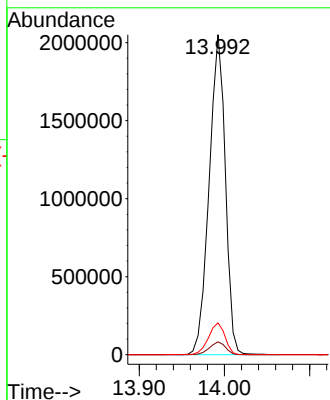
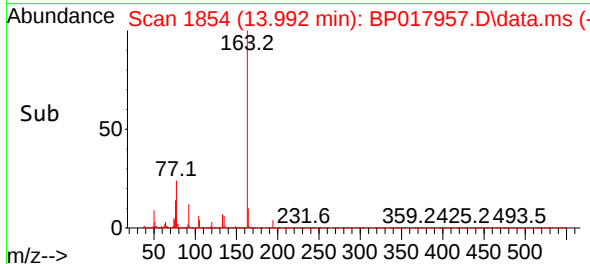


Tgt Ion:163 Resp: 2700550
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 10.0 8.2 12.4

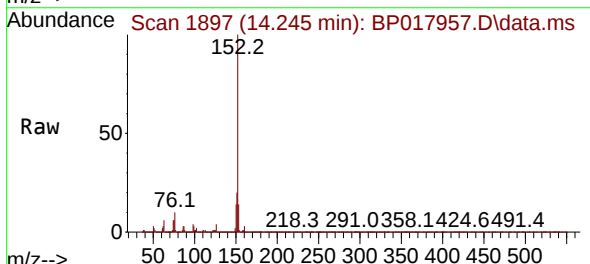
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/11/2023

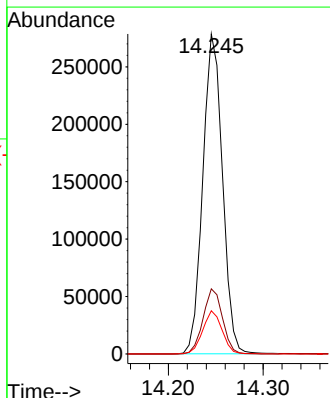
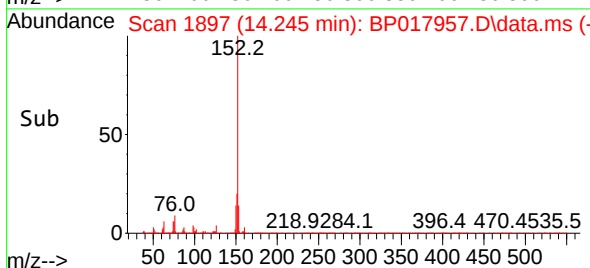
Supervised By :mohammad
ahmed
11/11/2023

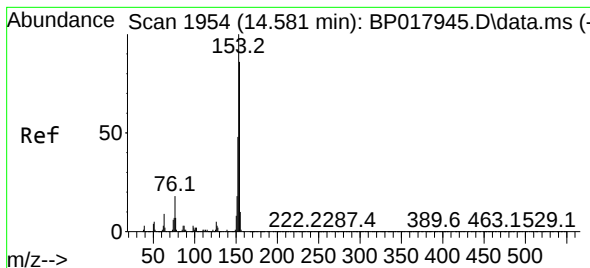


#50
Acenaphthylene
Concen: 18.120 ng/ul
RT: 14.245 min Scan# 1897
Delta R.T. -0.006 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07



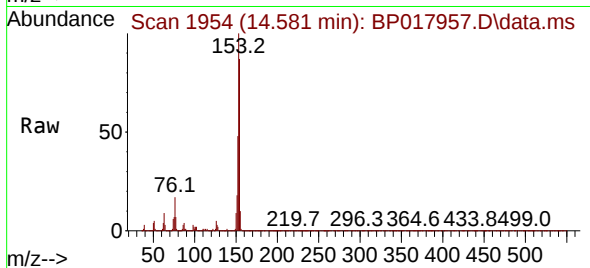
Tgt Ion:152 Resp: 401390
Ion Ratio Lower Upper
152 100
151 20.3 15.9 23.9
153 13.5 10.4 15.6





#52
Acenaphthene
Concen: 39.517 ng/ul
RT: 14.581 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07

Instrument :
BNA_P
ClientSampleId :
XA015

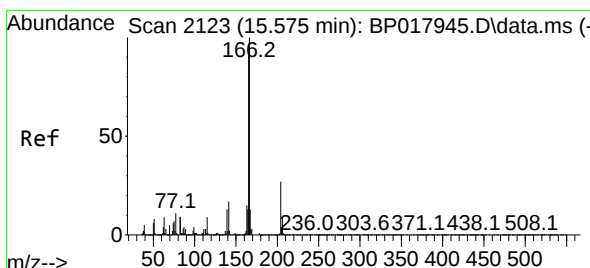
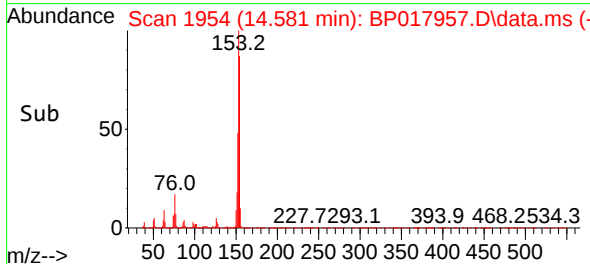
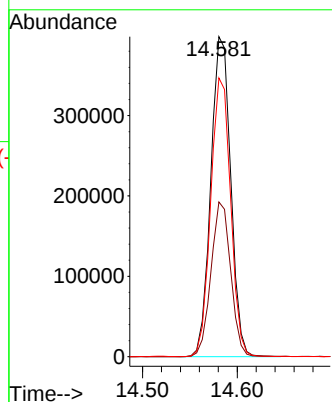


Tgt Ion:153 Resp: 580140
Ion Ratio Lower Upper
153 100
152 48.4 37.7 56.5
154 87.1 70.4 105.6

Manual Integrations
APPROVED

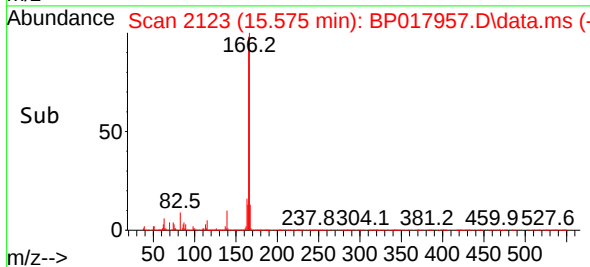
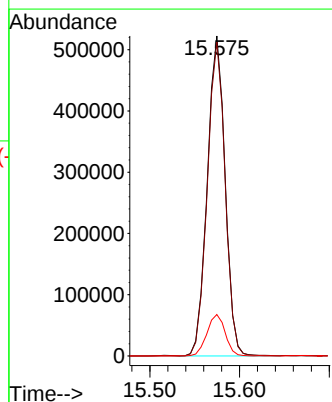
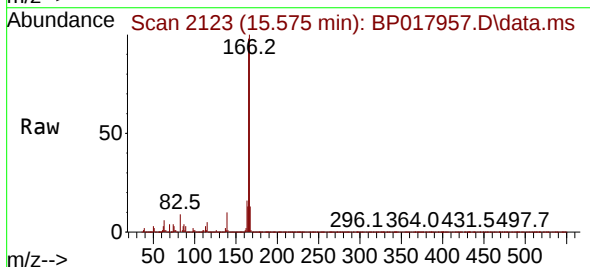
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/11/2023

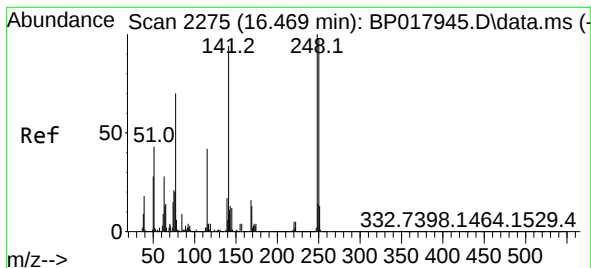
Supervised By :mohammad
ahmed
11/11/2023



#61
Fluorene
Concen: 42.054 ng/ul
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07

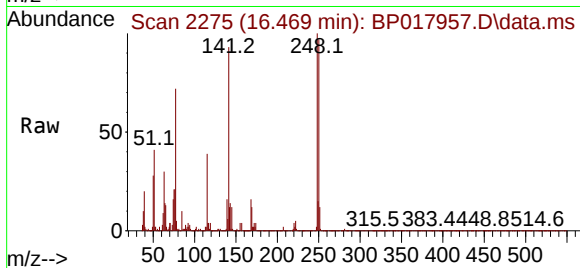
Tgt Ion:166 Resp: 722096
Ion Ratio Lower Upper
166 100
165 98.1 79.8 119.6
167 12.9 10.9 16.3





#68
4-Bromophenyl-phenylether
Concen: 18.727 ng/ul
RT: 16.469 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07

Instrument :
BNA_P
ClientSampleId :
XA015

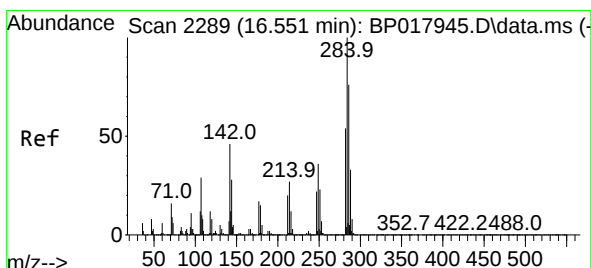
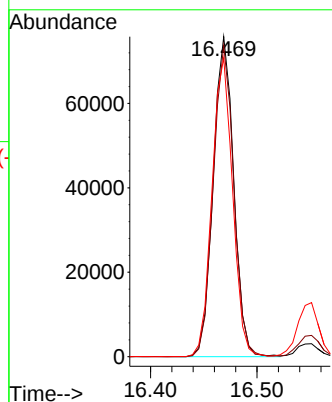
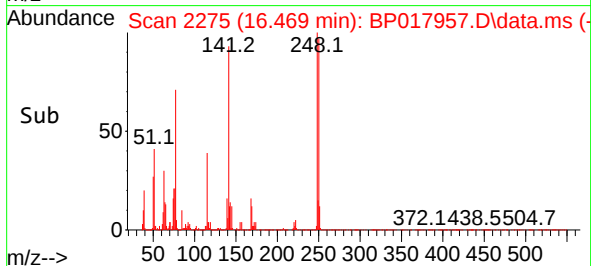


Tgt Ion:248 Resp: 101479
Ion Ratio Lower Upper
248 100
250 97.2 77.9 116.9
141 93.4 62.4 93.6

Manual Integrations
APPROVED

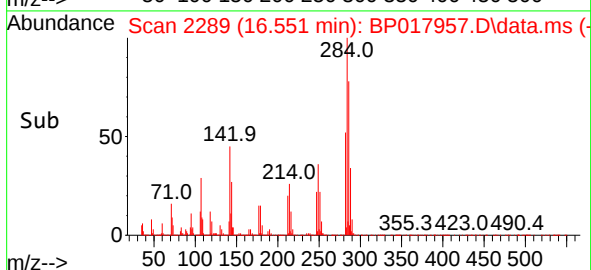
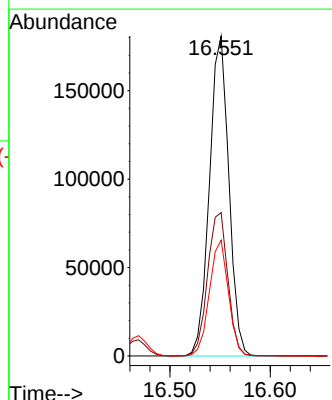
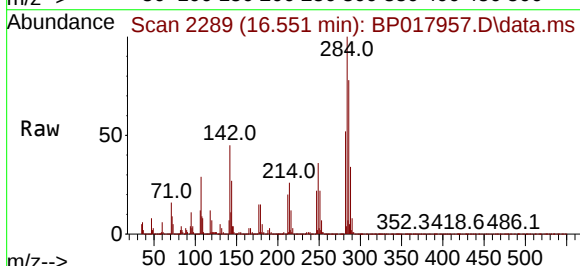
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/11/2023

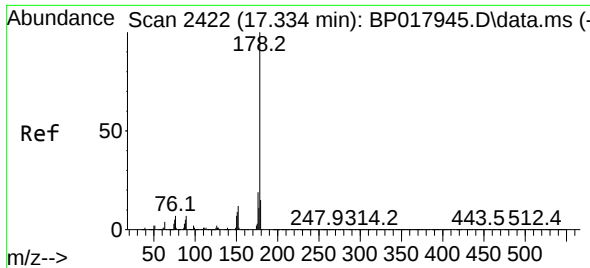
Supervised By :mohammad
ahmed
11/11/2023



#69
Hexachlorobenzene
Concen: 39.107 ng/ul
RT: 16.551 min Scan# 2289
Delta R.T. -0.006 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07

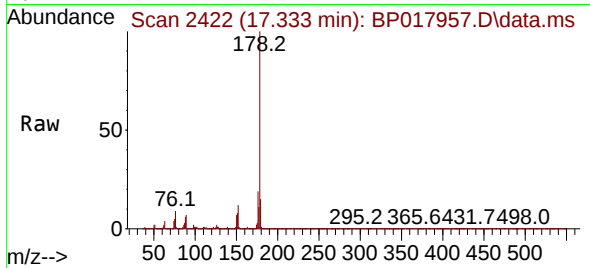
Tgt Ion:284 Resp: 243232
Ion Ratio Lower Upper
284 100
142 44.8 29.0 43.6#
249 36.2 25.8 38.6





#72
Phenanthrene
Concen: 35.733 ng/ul
RT: 17.333 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07

Instrument : BNA_P
ClientSampleId : XA015

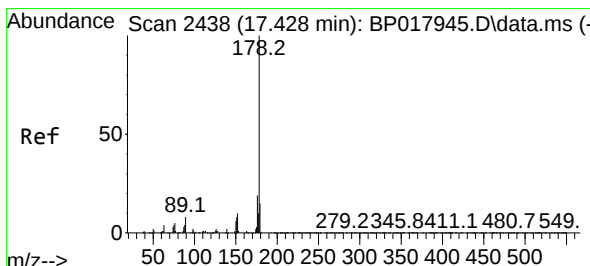
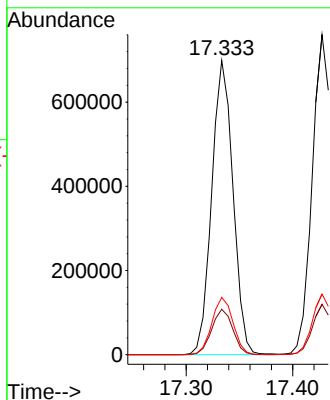
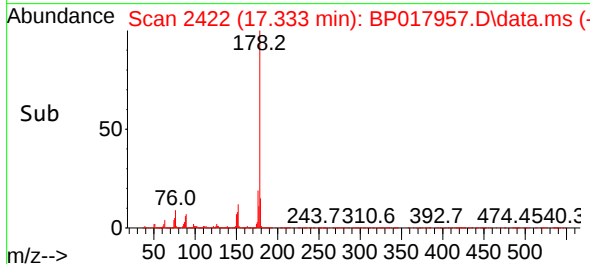


Tgt Ion:178 Resp: 966858
Ion Ratio Lower Upper
178 100
179 15.4 12.3 18.5
176 19.5 15.2 22.8

Manual Integrations
APPROVED

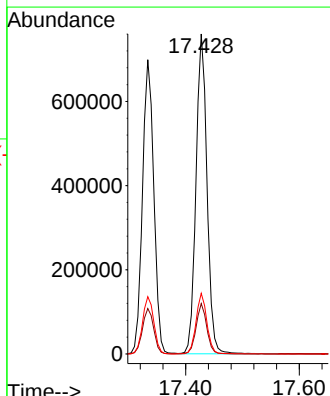
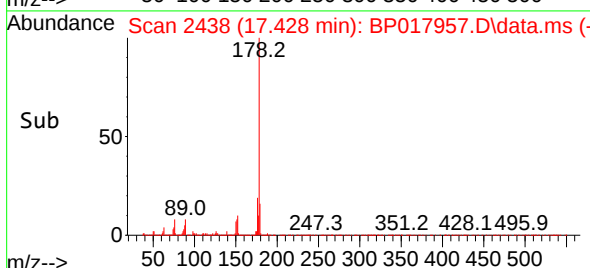
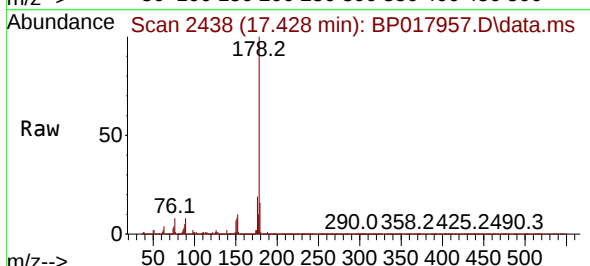
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/11/2023

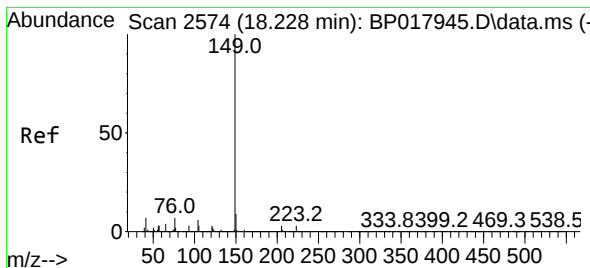
Supervised By :mohammad
ahmed
11/11/2023



#74
Anthracene
Concen: 37.394 ng/ul
RT: 17.428 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07

Tgt Ion:178 Resp: 1028480
Ion Ratio Lower Upper
178 100
179 15.8 12.5 18.7
176 19.0 14.9 22.3





#78

Di-n-butylphthalate

Concen: 107.872 ng/ul

RT: 18.227 min Scan# 2574

Delta R.T. -0.006 min

Lab File: BP017957.D

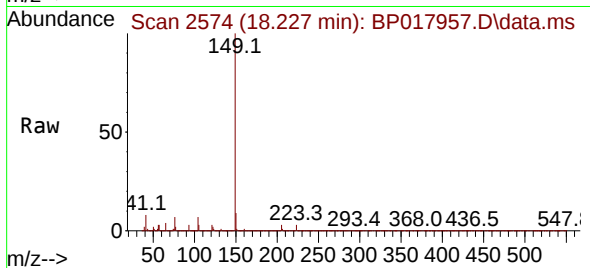
Acq: 08 Nov 2023 10:07

Instrument :

BNA_P

ClientSampleId :

XA015



Tgt Ion:149 Resp: 329187

Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.2

104 6.7 5.0 7.6

Manual Integrations

APPROVED

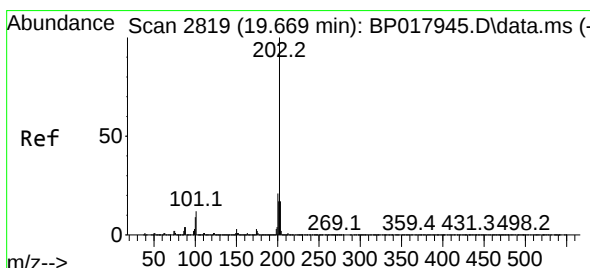
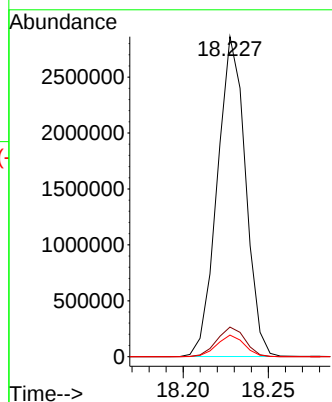
Reviewed By :Yogesh Patel 11/09/2023

Supervised By :mohammad ahmed 11/11/2023

Supervised By :mohammad

ahmed

11/11/2023



#82

Pyrene

Concen: 23.562 ng/ul

RT: 19.669 min Scan# 2819

Delta R.T. -0.006 min

Lab File: BP017957.D

Acq: 08 Nov 2023 10:07

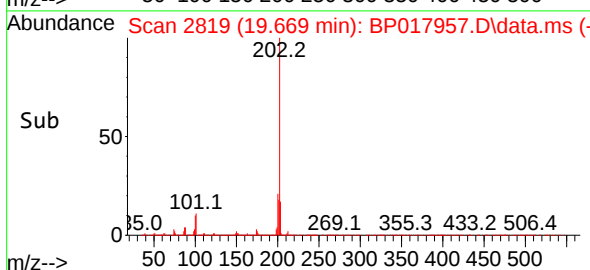
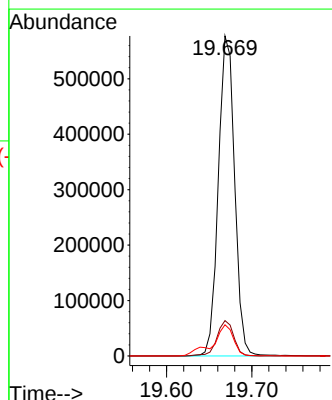
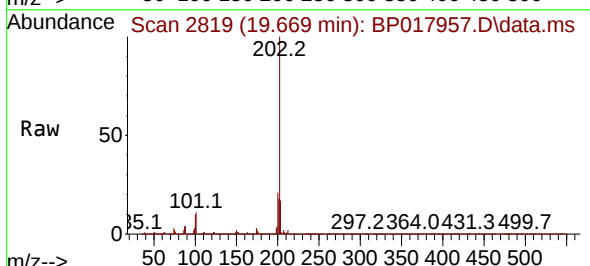
Tgt Ion:202 Resp: 766681

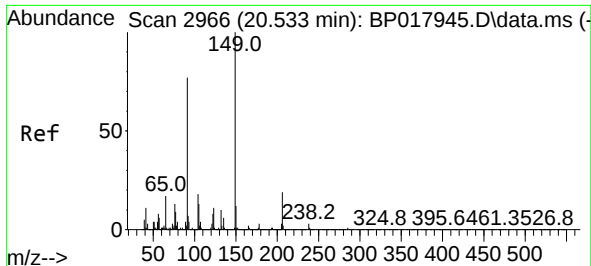
Ion Ratio Lower Upper

202 100

101 11.1 8.6 12.8

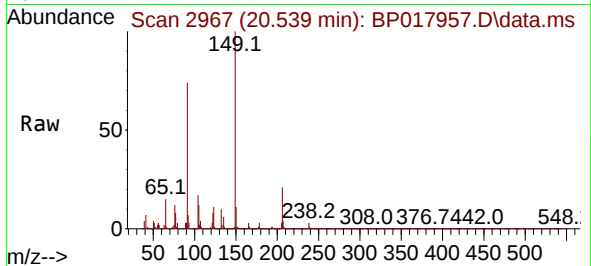
100 9.7 7.3 10.9





#83
Butylbenzylphthalate
Concen: 89.128 ng/ul
RT: 20.539 min Scan# 2966
Delta R.T. -0.000 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07

Instrument :
BNA_P
ClientSampleId :
XA015

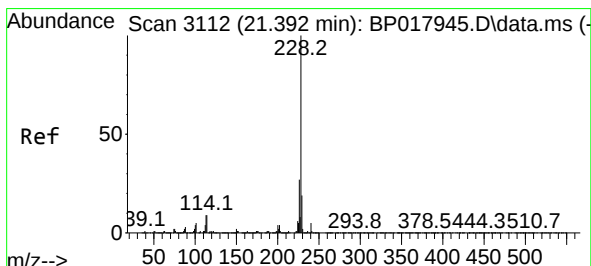
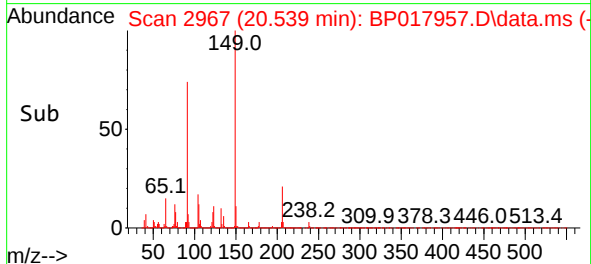
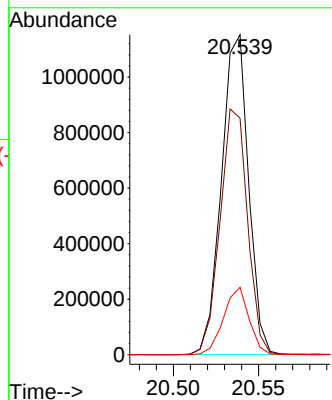


Tgt Ion:149 Resp: 1275979
Ion Ratio Lower Upper
149 100
91 73.9 60.4 90.6
206 21.1 15.3 22.9

Manual Integrations
APPROVED

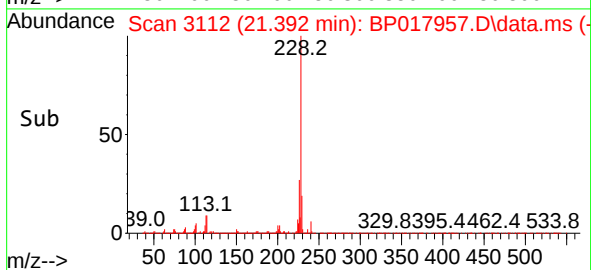
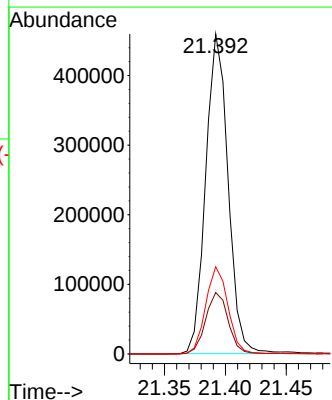
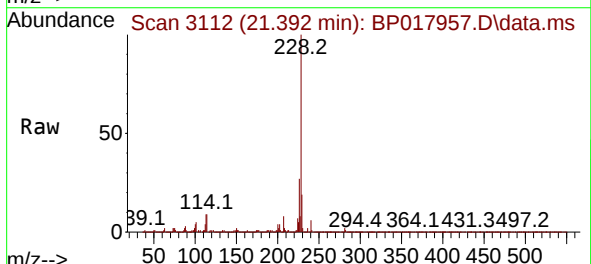
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/11/2023

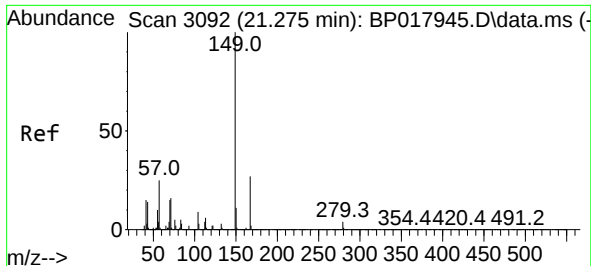
Supervised By :mohammad
ahmed
11/11/2023



#85
Benzo(a)anthracene
Concen: 18.131 ng/ul
RT: 21.392 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07

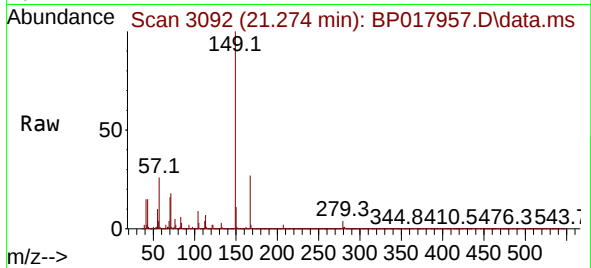
Tgt Ion:228 Resp: 587984
Ion Ratio Lower Upper
228 100
229 19.2 15.4 23.2
226 27.3 21.6 32.4





#86
Bis(2-ethylhexyl)phthalate
Concen: 98.201 ng/ul
RT: 21.274 min Scan# 3092
Delta R.T. -0.000 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07

Instrument :
BNA_P
ClientSampleId :
XA015

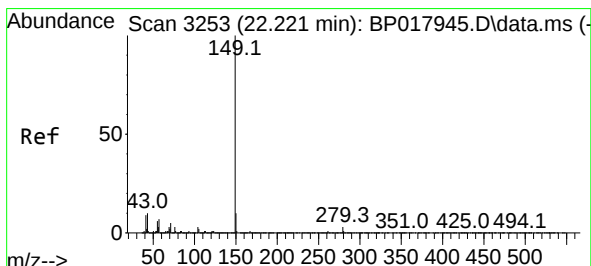
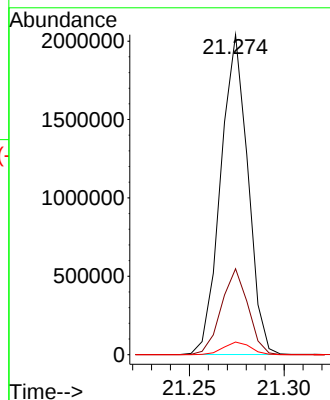
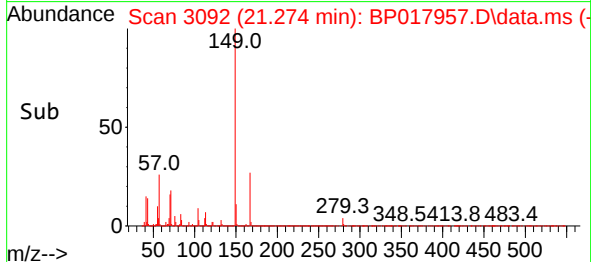


Tgt Ion:149 Resp: 203576
Ion Ratio Lower Upper
149 100
167 26.9 21.0 31.6
279 4.0 3.0 4.6

Manual Integrations
APPROVED

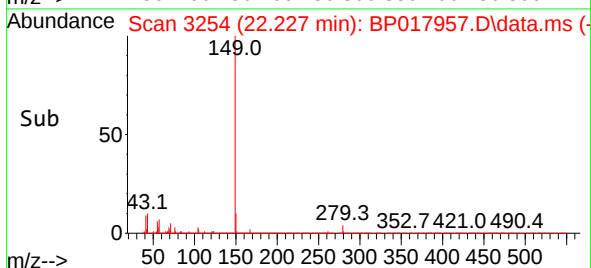
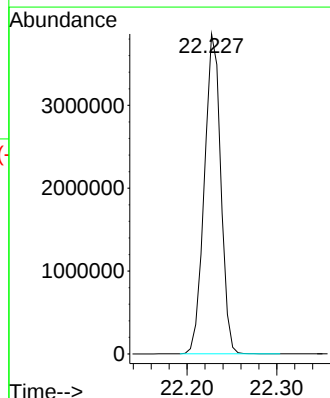
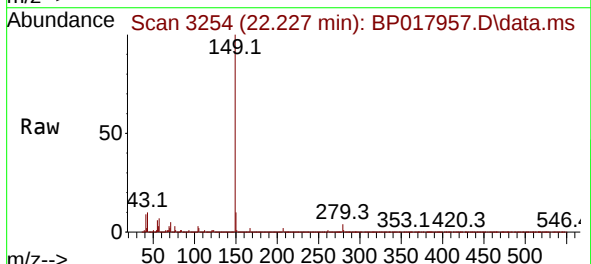
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/11/2023

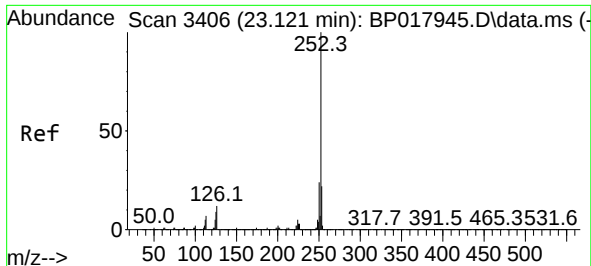
Supervised By :mohammad
ahmed
11/11/2023



#89
Di-n-octyl phthalate
Concen: 127.203 ng/ul
RT: 22.227 min Scan# 3254
Delta R.T. -0.000 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07

Tgt Ion:149 Resp: 4899369





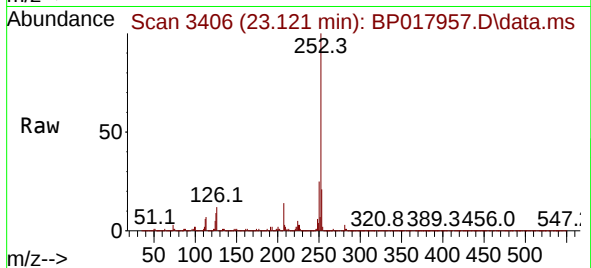
#90
Benzo(b)fluoranthene
Concen: 23.766 ng/ul
RT: 23.121 min Scan# 3406
Delta R.T. -0.006 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07

Instrument :

BNA_P

ClientSampleId :

XA015

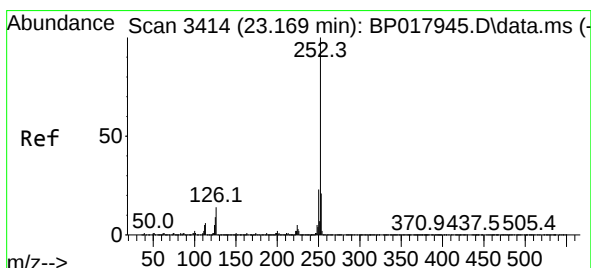
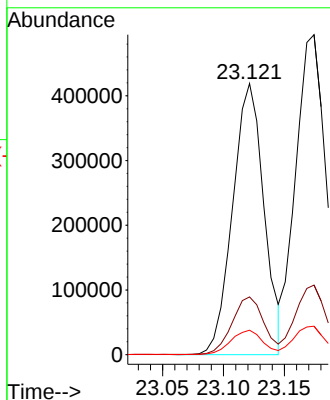
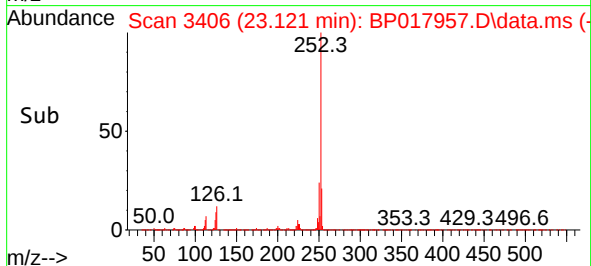


Tgt Ion:252 Resp: 748069
Ion Ratio Lower Upper
252 100
253 21.3 17.9 26.9
125 9.0 6.6 10.0

Manual Integrations
APPROVED

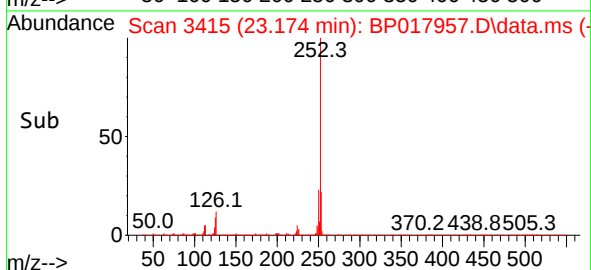
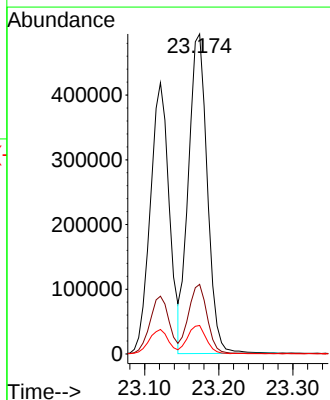
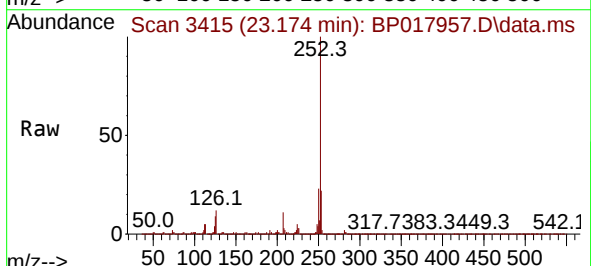
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/11/2023

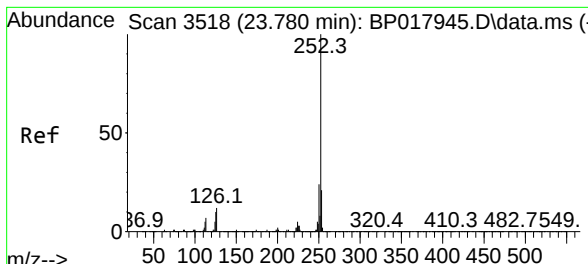
Supervised By :mohammad
ahmed
11/11/2023



#91
Benzo(k)fluoranthene
Concen: 27.568 ng/ul
RT: 23.174 min Scan# 3415
Delta R.T. -0.000 min
Lab File: BP017957.D
Acq: 08 Nov 2023 10:07

Tgt Ion:252 Resp: 870180
Ion Ratio Lower Upper
252 100
253 21.8 17.2 25.8
125 8.9 7.0 10.6





#93
 Benzo(a)pyrene
 Concen: 10.952 ng/ul
 RT: 23.780 min Scan# 3518
 Delta R.T. -0.000 min
 Lab File: BP017957.D
 Acq: 08 Nov 2023 10:07

Instrument : BNA_P
 ClientSampleId : XA015

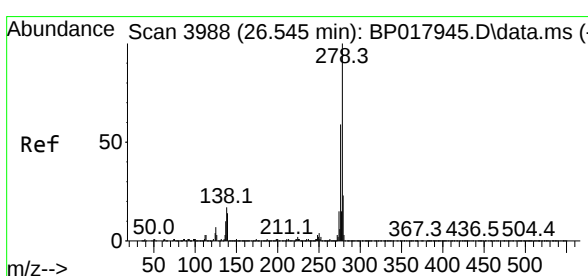
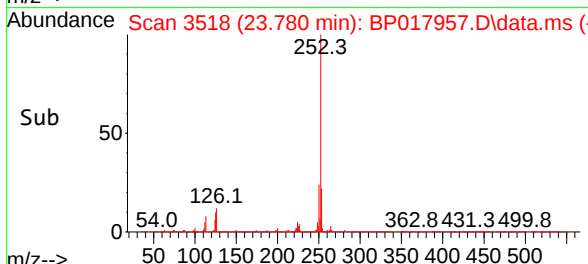
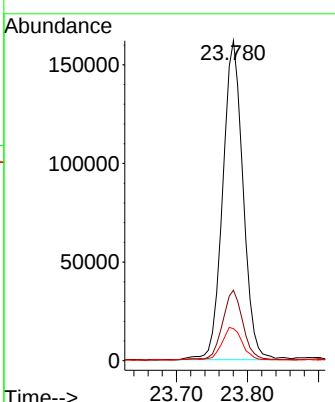
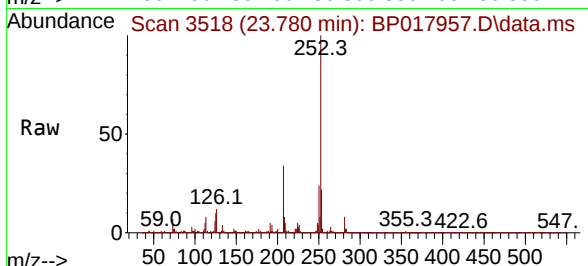
Tgt Ion: 252 Resp: 320459

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	10.0	7.5	11.3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/09/2023
 Supervised By :mohammad ahmed 11/11/2023

Supervised By :mohammad
 ahmed
 11/11/2023



#95
 Dibenzo(a,h)anthracene
 Concen: 37.139 ng/ul
 RT: 26.551 min Scan# 3989
 Delta R.T. -0.000 min
 Lab File: BP017957.D
 Acq: 08 Nov 2023 10:07

Tgt Ion: 278 Resp: 1076691

Ion	Ratio	Lower	Upper
278	100		
139	14.7	11.0	16.4
279	24.1	19.1	28.7

