

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082823\
 Data File : BP016788.D
 Acq On : 28 Aug 2023 11:39
 Operator : MA/JU
 Sample : 04134-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCHM6

Quant Time: Aug 28 12:15:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP082423.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 25 01:47:30 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :mohammad ahmed 08/29/2023

Reviewed By :mohammad
 Supervised By :mohammad
 08/29/2023

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 Supervised By :mohammad
 ahmed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.034	152	262932	20.000	ng/u1	0.00
20) Naphthalene-d8	10.863	136	1167715	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.687	164	750369	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.451	188	1734377	20.000	ng/u1	0.00
79) Chrysene-d12	21.551	240	1665575	20.000	ng/u1	0.00
88) Perylene-d12	24.127	264	1662769	20.000	ng/u1	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	49689	7.810	ng/uL	0.00
4) Pyridine-d5	3.817	84	618379	31.807	ng/u1	0.00
7) Phenol-d5	7.175	99	858368	36.714	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.369	67	512936	34.423	ng/u1	0.00
11) 2-Chlorophenol-d4	7.552	132	625559	35.586	ng/u1	0.00
15) 4-Methylphenol-d8	8.746	113	690836	36.196	ng/u1	0.00
21) Nitrobenzene-d5	9.234	128	322915	36.574	ng/u1	0.00
24) 2-Nitrophenol-d4	9.946	143	345266	37.100	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.469	165	652045	37.582	ng/u1	0.00
31) 4-Chloroaniline-d4	11.016	131	918597	34.525	ng/u1	-0.01
46) Dimethylphthalate-d6	14.098	166	2133784	37.707	ng/u1	0.00
49) Acenaphthylene-d8	14.387	160	2466954	38.564	ng/u1	0.00
54) 4-Nitrophenol-d4	14.892	143	381079	32.581	ng/u1	0.00
60) Fluorene-d10	15.681	176	1882069	39.495	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.804	200	274712	26.597	ng/u1	0.00
73) Anthracene-d10	17.557	188	3148105	40.950	ng/u1	0.00
81) Pyrene-d10	19.792	212	3777526	41.295	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.962	264	3432481	41.211	ng/u1	0.00

Target Compounds	Qvalue					
10) Bis(2-Chloroethyl)ether	7.463	93	317213	16.061	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.563	45	2289740m	79.477	ng/u1	
17) N-Nitroso-di-n-propyla...	8.857	70	2717875	174.265	ng/u1	97
19) Hexachloroethane	9.104	117	712636	95.321	ng/u1	97
22) Nitrobenzene	9.275	77	601643	26.562	ng/u1	99
23) Isophorone	9.787	82	3752916	85.309	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.275	93	1570518	57.865	ng/u1	99
30) Naphthalene	10.916	128	8147827	134.699	ng/u1	99
33) Hexachlorobutadiene	11.146	225	820137	76.395	ng/u1	99
47) Dimethylphthalate	14.151	163	5048205	88.086	ng/u1	100
48) 2,6-Dinitrotoluene	14.292	165	1375509	122.487	ng/u1	97
50) Acenaphthylene	14.416	152	2237734	30.562	ng/u1	100
52) Acenaphthene	14.751	153	907997	18.745	ng/u1	99
56) Dibenzofuran	15.086	168	5944465	89.439	ng/u1	98
57) 2,4-Dinitrotoluene	15.069	165	1127371	68.205	ng/u1	99
59) Diethylphthalate	15.504	149	9015643	154.853	ng/u1	96
61) Fluorene	15.739	166	1429876	25.720	ng/u1	100
62) 4-Chlorophenyl-phenyle...	15.728	204	1638548	60.032	ng/u1	99
69) Hexachlorobenzene	16.716	284	546771	29.368	ng/u1	99
74) Anthracene	17.592	178	2686231	29.096	ng/u1	100
78) Di-n-butylphthalate	18.386	149	8746621	84.315	ng/u1	99
80) Fluoranthene	19.463	202	4026353	36.641	ng/u1	99
85) Benzo(a)anthracene	21.539	228	2171261	18.926	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.416	149	7132948	99.792	ng/u1#	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Di-n-octyl phthalate	22.398	149	5331958	42.581	ng/ul	100
90) Benzo(b)fluoranthene	23.327	252	2860215	26.938	ng/ul	100
91) Benzo(k)fluoranthene	23.380	252	2841315	27.057	ng/ul	99
93) Benzo(a)pyrene	24.015	252	2198266	22.889	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.862	276	2898104	29.530	ng/ul	95
96) Benzo(g,h,i)perylene	27.715	276	1704243	22.905	ng/ul	99

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

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Manual Integrations

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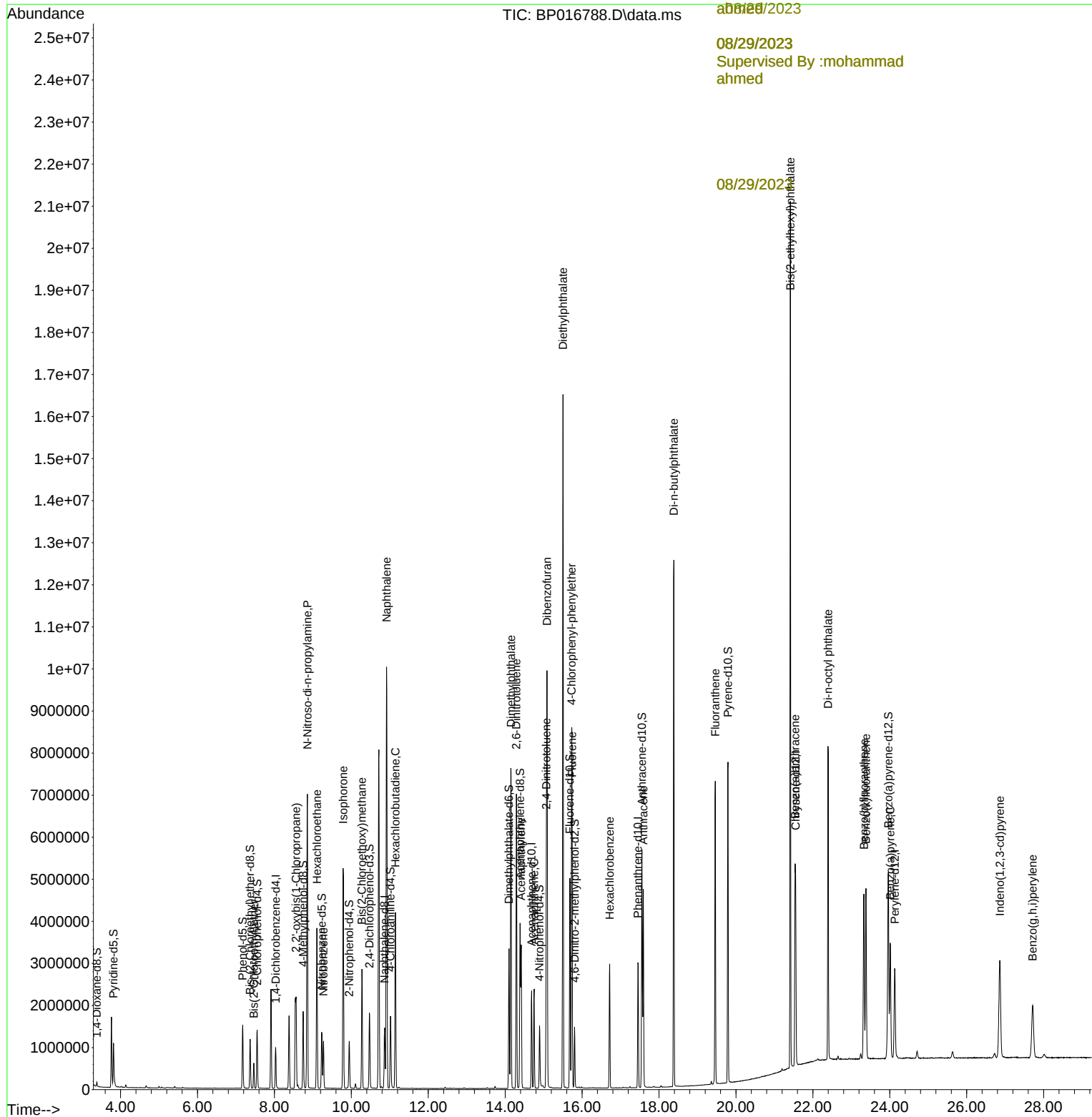
Supervised By :mohammad ahmed 08/29/2023

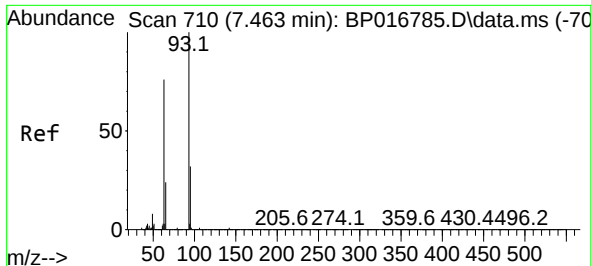
08/29/2023 By :mohammad

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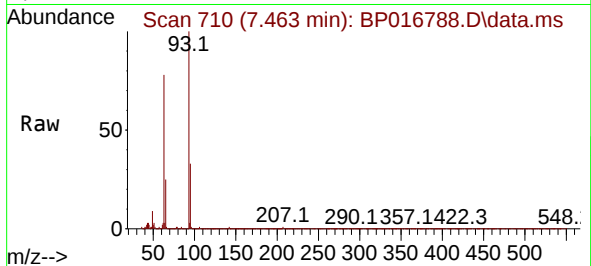
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#10
Bis(2-Chloroethyl)ether
Concen: 16.061 ng/ul
RT: 7.463 min Scan# 710
Delta R.T. -0.006 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

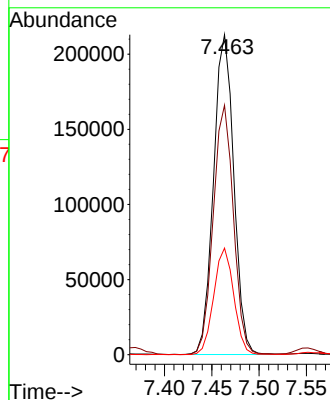
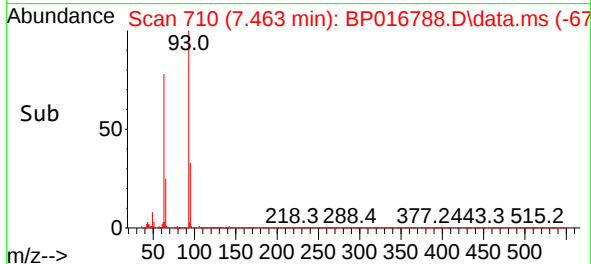
Instrument :
BNA_P
Client Sample Id :
DCHM6



Tgt Ion: 93 Resp: 31721
Ion Ratio Lower Upper
93 100
63 78.0 62.9 94.3
95 33.3 26.3 39.5

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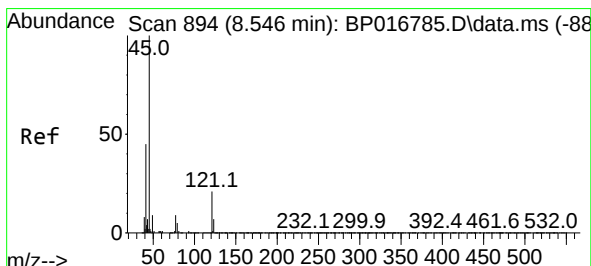
Reviewed By :Yogesh Patel 08/29/2023
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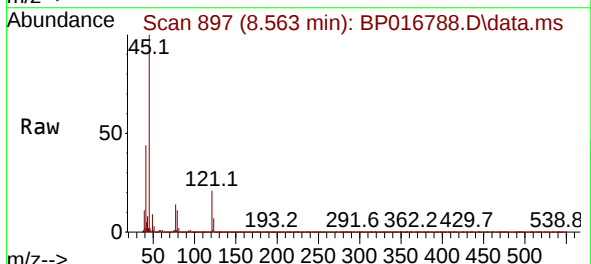
08/29/2023 By :mohammad
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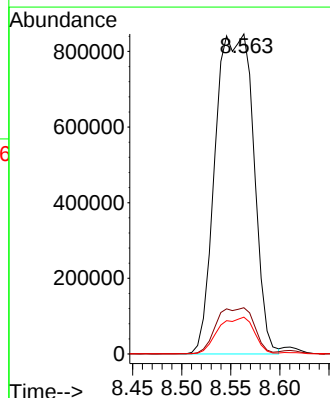
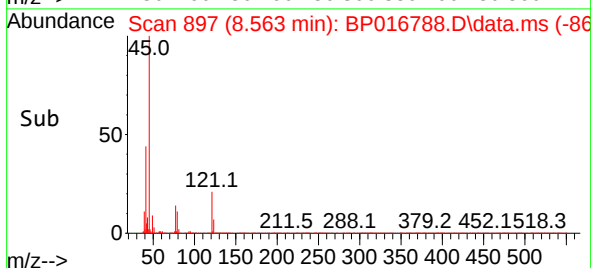
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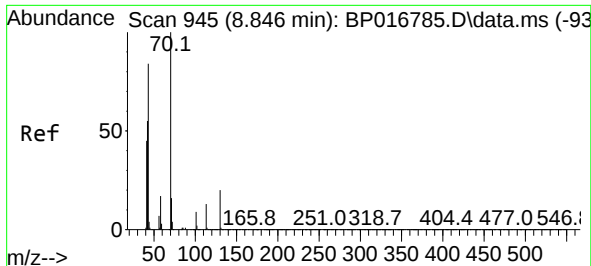


#14
2,2'-oxybis(1-Chloropropane)
Concen: 79.477 ng/ul m
RT: 8.563 min Scan# 897
Delta R.T. 0.012 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39



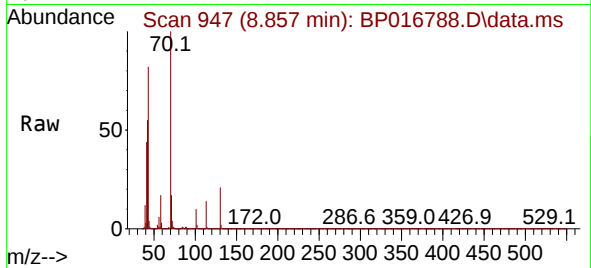
Tgt Ion: 45 Resp: 2289740
Ion Ratio Lower Upper
45 100
77 14.5 11.1 16.7
79 11.5 8.2 12.4





#17
N-Nitroso-di-n-propylamine
Concen: 174.265 ng/ul
RT: 8.857 min Scan# 945
Delta R.T. -0.006 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

Instrument :
BNA_P
Client Sample Id :
DCHM6



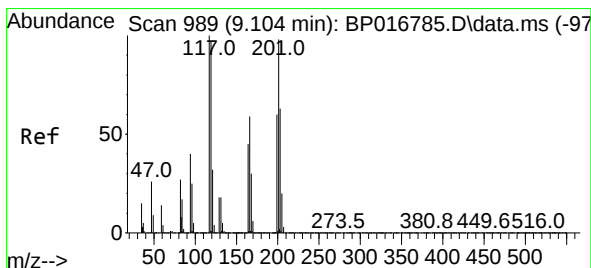
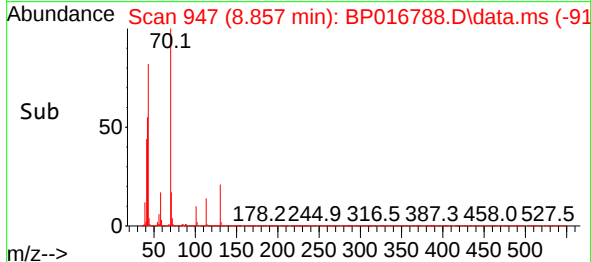
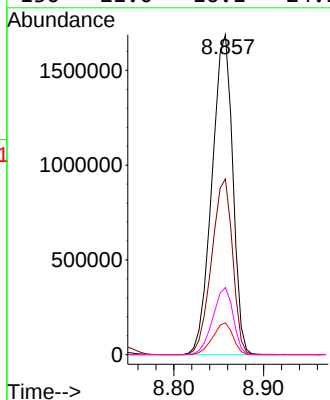
Tgt Ion: 70 Resp: 271787
Ion Ratio Lower Upper
70 100
42 54.9 46.0 69.0
101 10.0 7.6 11.4
130 21.0 16.1 24.1

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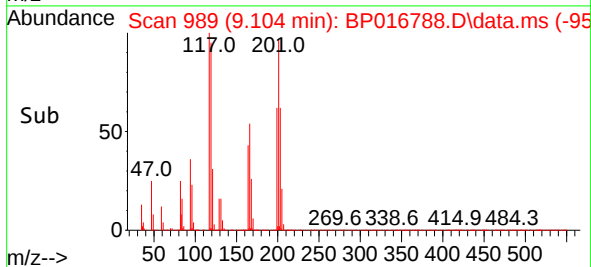
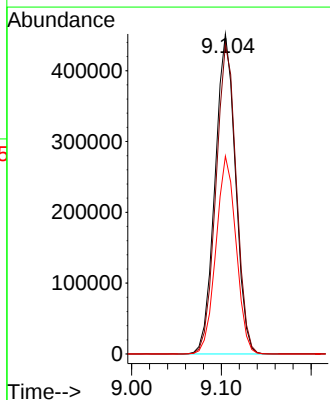
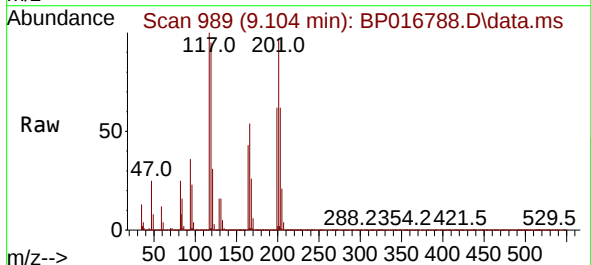
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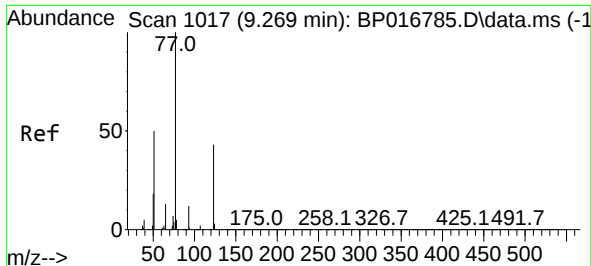
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#19
Hexachloroethane
Concen: 95.321 ng/ul
RT: 9.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

Tgt Ion:117 Resp: 712636
Ion Ratio Lower Upper
117 100
201 96.8 75.4 113.2
199 61.8 47.8 71.6





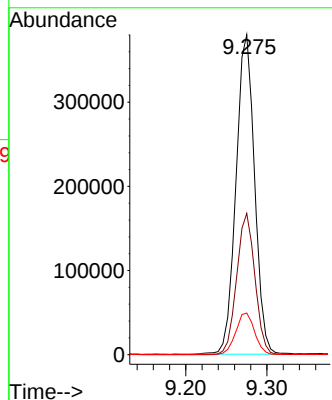
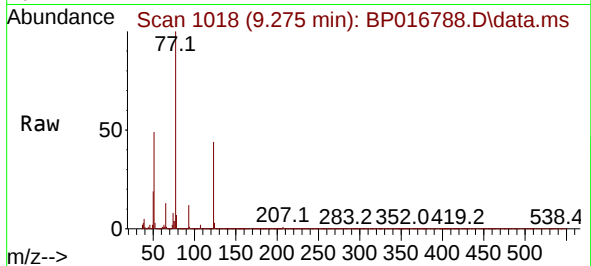
#22
Nitrobenzene
Concen: 26.562 ng/uI
RT: 9.275 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

Instrument :
BNA_P
ClientSampleId :
DCHM6

Tgt Ion: 77 Resp: 60164
Ion Ratio Lower Upper
77 100
123 44.2 34.9 52.3
65 13.0 10.6 15.8

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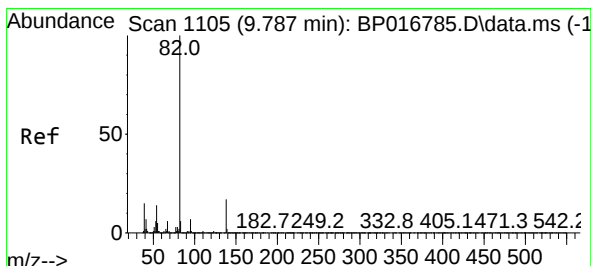
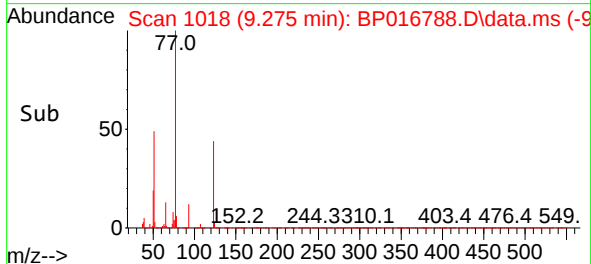
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ahmed 08/29/2023

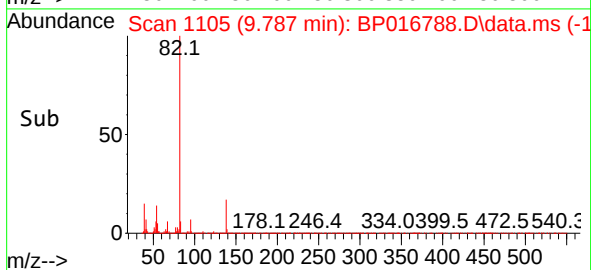
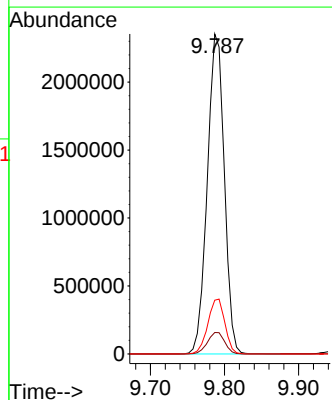
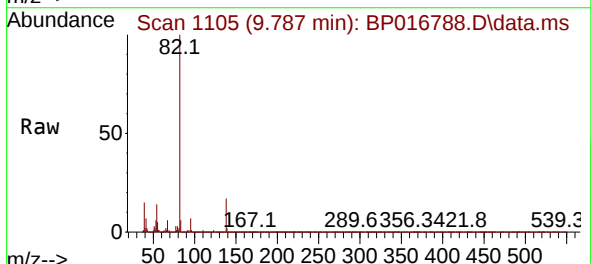
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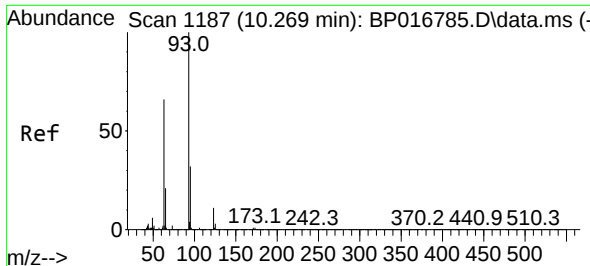
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#23
Isophorone
Concen: 85.309 ng/uI
RT: 9.787 min Scan# 1105
Delta R.T. -0.012 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

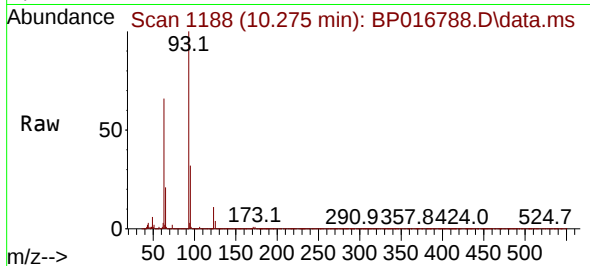
Tgt Ion: 82 Resp: 3752916
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.0
138 16.8 13.5 20.3





#27
Bis(2-Chloroethoxy)methane
Concen: 57.865 ng/ul
RT: 10.275 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BP016788.D
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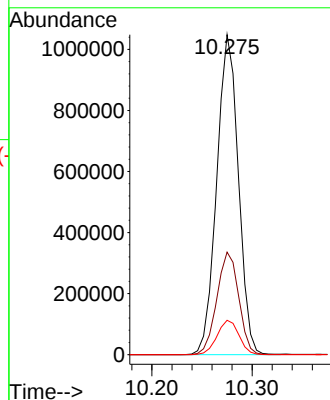
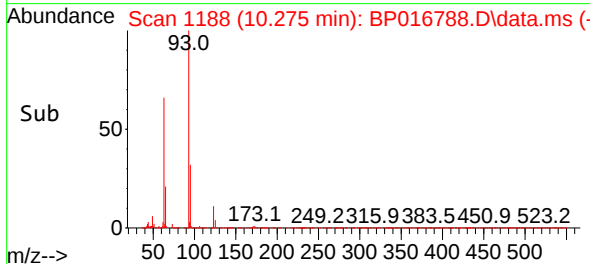
Instrument :
BNA_P
Client Sample Id :
DCHM6



Tgt Ion: 93 Resp: 1570518
Ion Ratio Lower Upper
93 100
95 32.0 26.3 39.5
123 10.8 8.8 13.2

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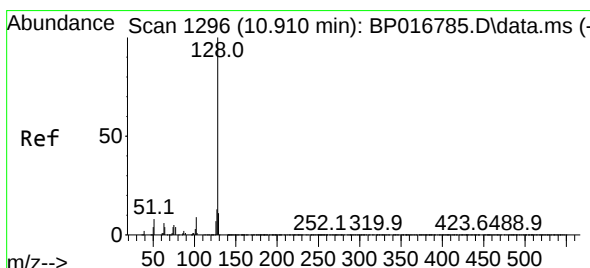
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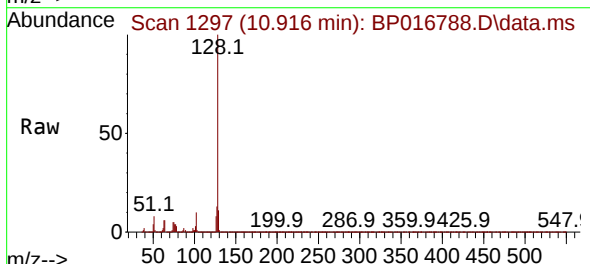
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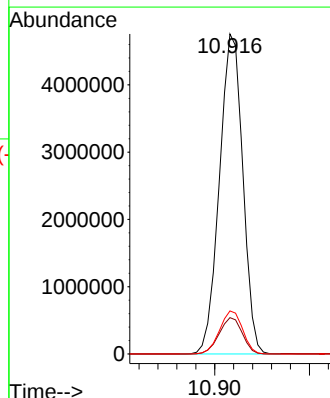
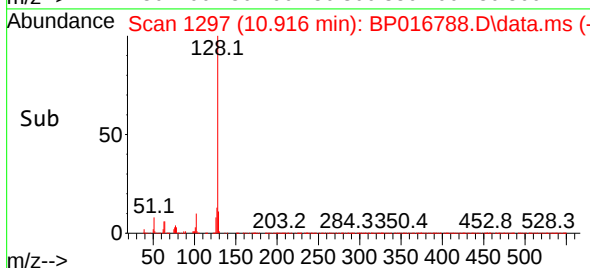
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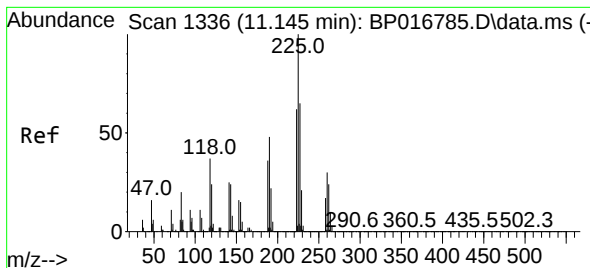


#30
Naphthalene
Concen: 134.699 ng/ul
RT: 10.916 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BP016788.D
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Tgt Ion:128 Resp: 8147827
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.4 10.3 15.5





#33

Hexachlorobutadiene

Concen: 76.395 ng/ul

RT: 11.146 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP016788.D

Acq: 28 Aug 2023 11:39

Instrument :

BNA_P

ClientSampleId :

DCHM6

Tgt Ion:	225	Resp:	82013
Ion Ratio	Lower	Upper	
225	100		
223	63.7	51.0	76.4
227	63.9	52.5	78.7

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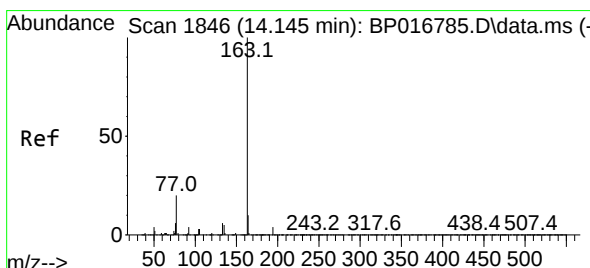
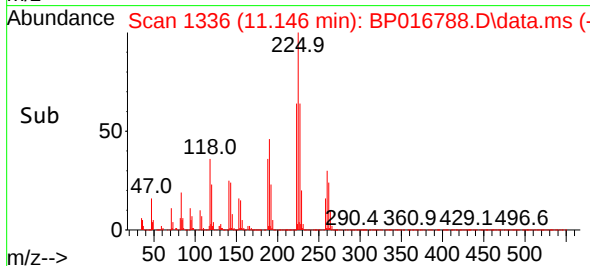
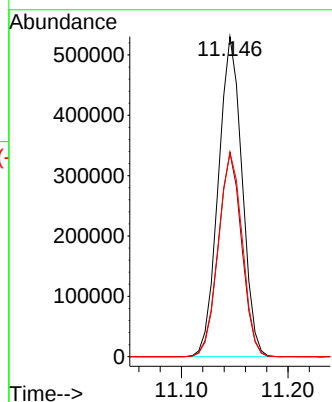
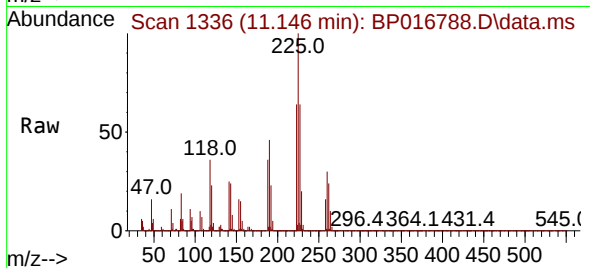
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#47

Dimethylphthalate

Concen: 88.086 ng/ul

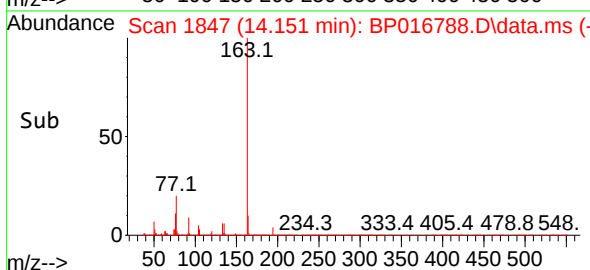
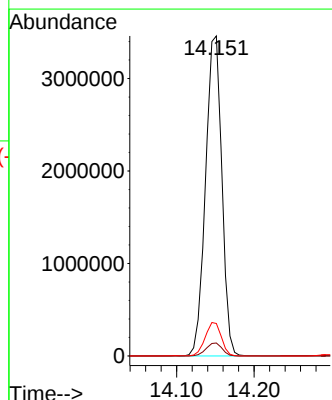
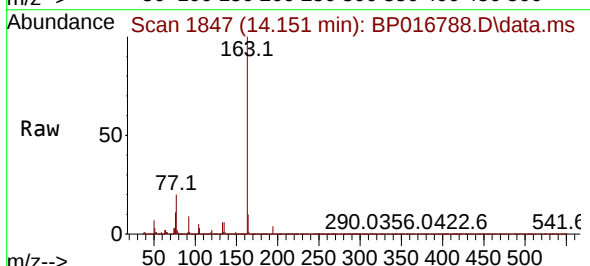
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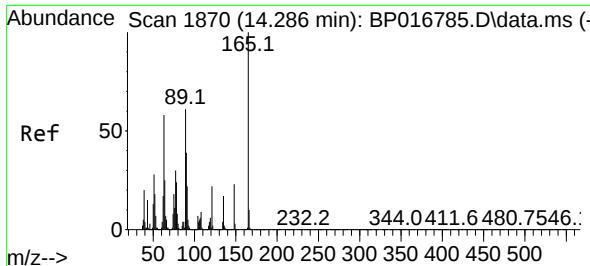
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Lab File: BP016788.D

Acq: 28 Aug 2023 11:39

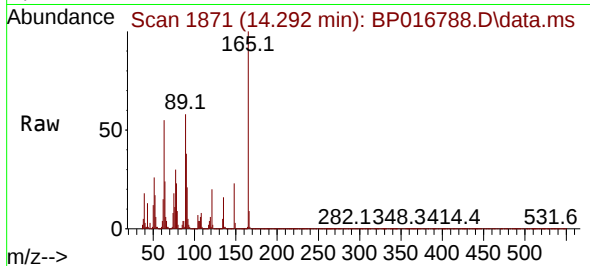
Tgt Ion:	163	Resp:	5048205
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.2	4.8
164	10.1	8.2	12.4





#48
2,6-Dinitrotoluene
Concen: 122.487 ng/ul
RT: 14.292 min Scan# 1871
Delta R.T. -0.000 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

Instrument :
BNA_P
ClientSampleId :
DCHM6



Tgt Ion:165 Resp: 1375509
Ion Ratio Lower Upper
165 100
89 57.6 48.0 72.0
121 20.5 16.9 25.3

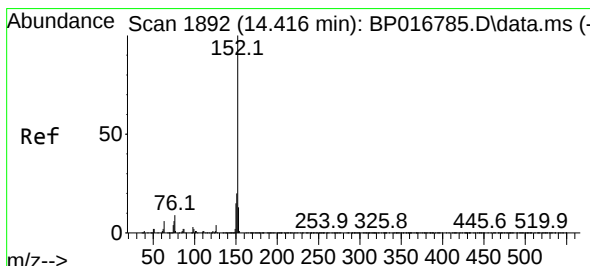
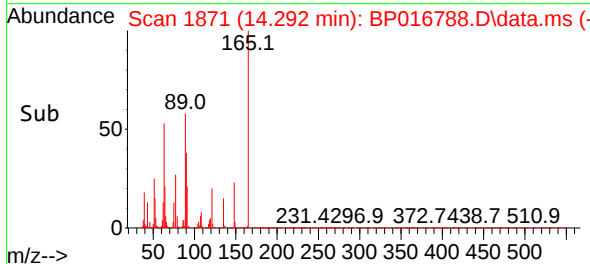
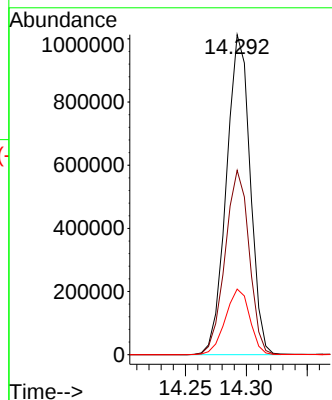
Manual Integrations
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Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

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Supervised By :mohammad
ahmed 08/29/2023

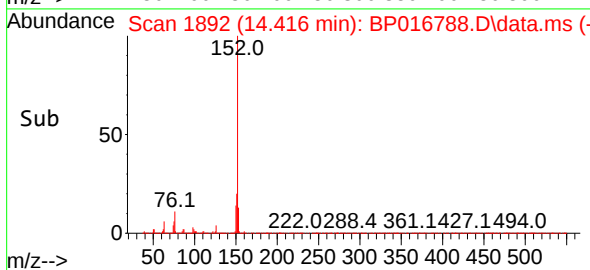
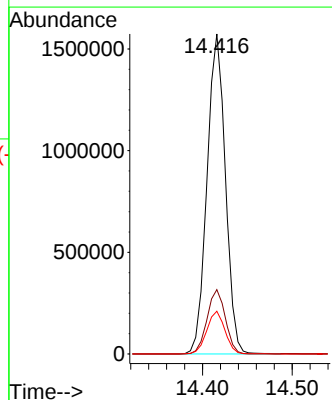
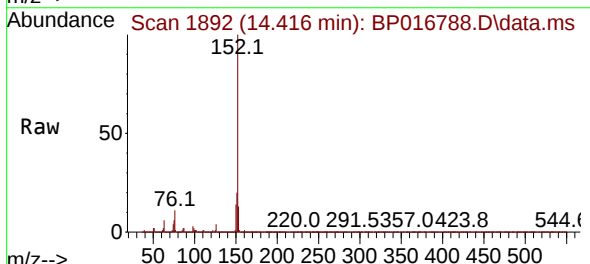
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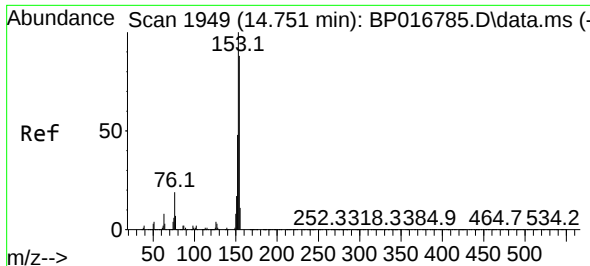
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#50
Acenaphthylene
Concen: 30.562 ng/ul
RT: 14.416 min Scan# 1892
Delta R.T. -0.006 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

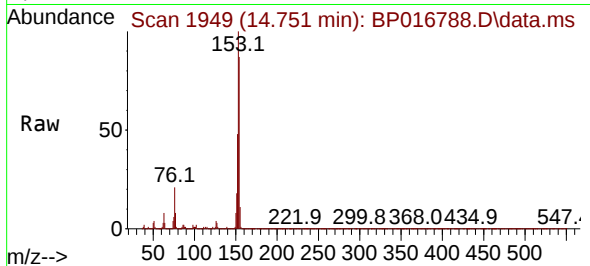
Tgt Ion:152 Resp: 2237734
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 13.4 10.6 15.8





#52
Acenaphthene
Concen: 18.745 ng/ul
RT: 14.751 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

Instrument :
BNA_P
ClientSampleId :
DCHM6



Tgt Ion:153 Resp: 907997
Ion Ratio Lower Upper
153 100
152 47.6 38.5 57.7
154 87.0 70.6 105.8

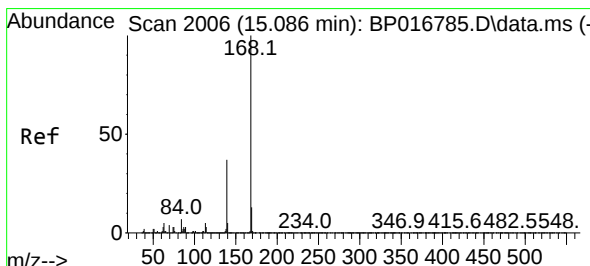
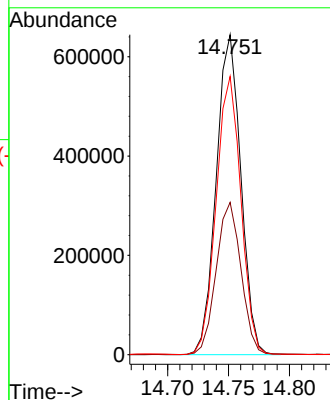
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Supervised By :mohammad ahmed 08/29/2023

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Supervised By :mohammad
ahmed 08/29/2023

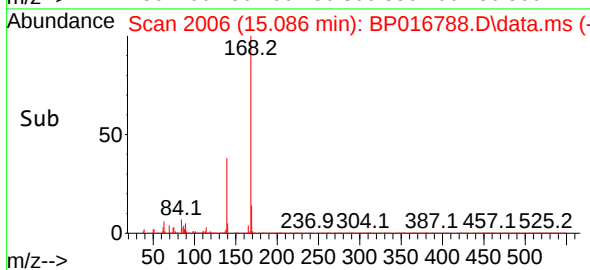
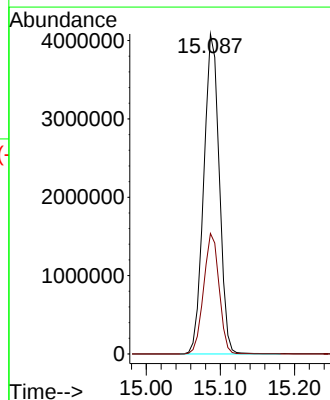
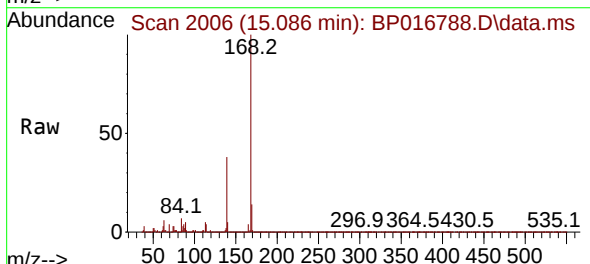
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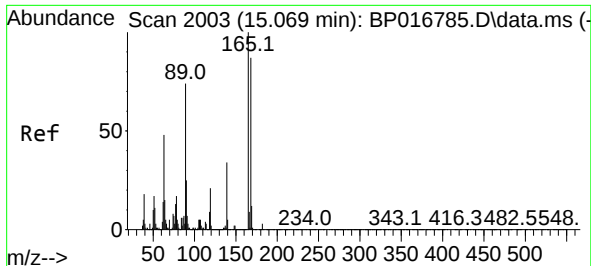
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#56
Dibenzofuran
Concen: 89.439 ng/ul
RT: 15.086 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

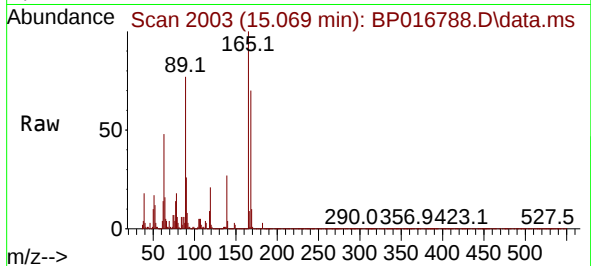
Tgt Ion:168 Resp: 5944465
Ion Ratio Lower Upper
168 100
139 37.7 29.2 43.8





#57
2,4-Dinitrotoluene
Concen: 68.205 ng/ul
RT: 15.069 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

Instrument :
BNA_P
ClientSampleId :
DCHM6



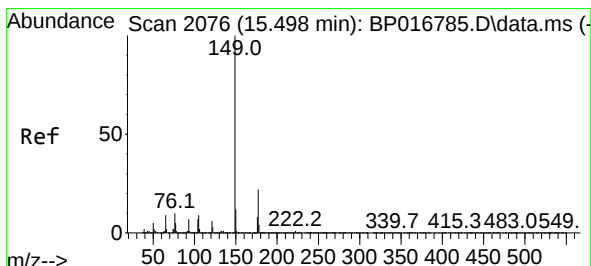
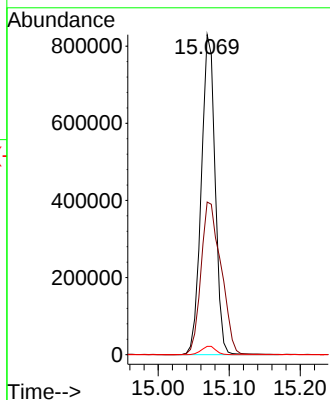
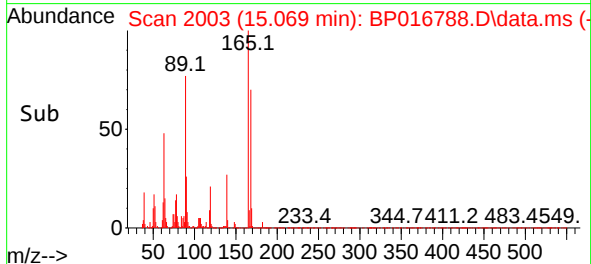
Tgt Ion:165 Resp: 112737
Ion Ratio Lower Upper
165 100
63 47.7 39.0 58.4
182 2.6 2.2 3.2

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Supervised By :mohammad ahmed 08/29/2023

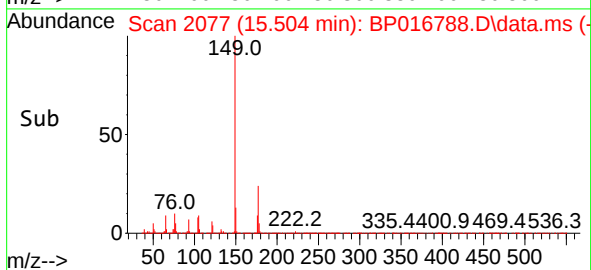
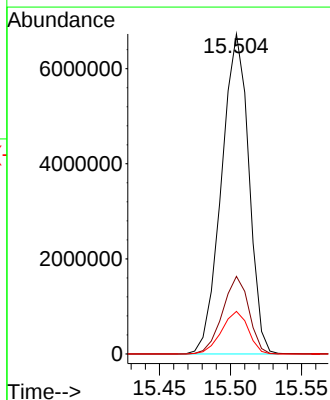
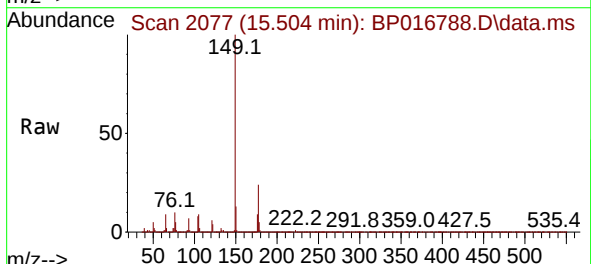
08/29/2023 By :mohammad
Supervised By :mohammad
ahmed 08/29/2023

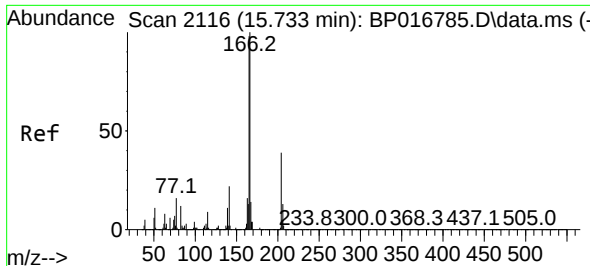
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ahmed



#59
Diethylphthalate
Concen: 154.853 ng/ul
RT: 15.504 min Scan# 2077
Delta R.T. -0.000 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

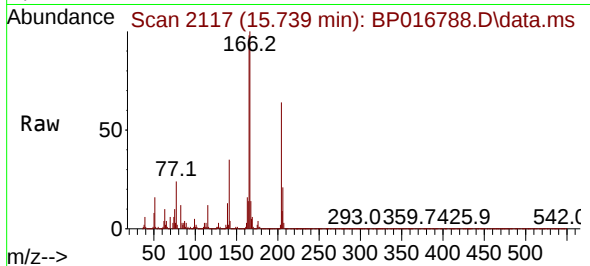
Tgt Ion:149 Resp: 9015643
Ion Ratio Lower Upper
149 100
177 24.3 17.3 25.9
150 13.3 10.2 15.2





#61
Fluorene
Concen: 25.720 ng/ul
RT: 15.739 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

Instrument :
BNA_P
ClientSampleId :
DCHM6



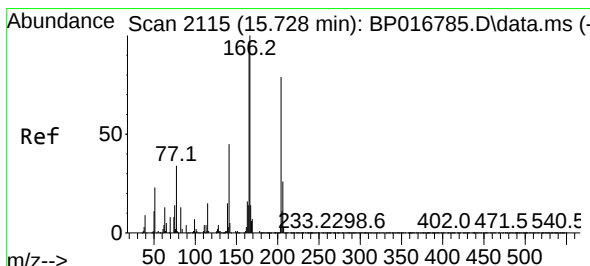
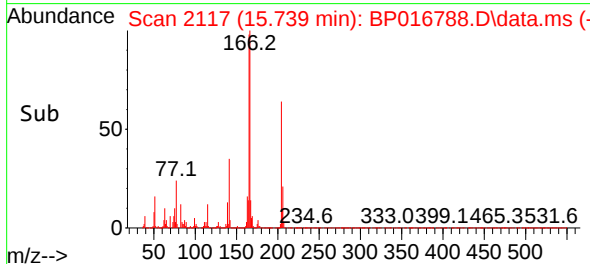
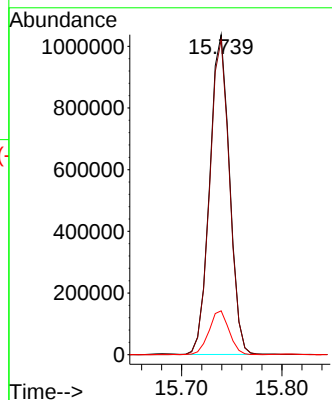
Tgt Ion:166 Resp: 1429870
Ion Ratio Lower Upper
166 100
165 98.4 78.8 118.2
167 13.7 10.9 16.3

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Supervised By :mohammad ahmed 08/29/2023

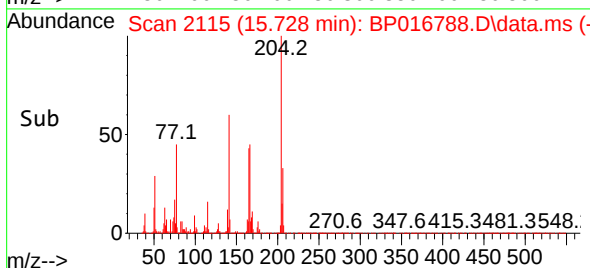
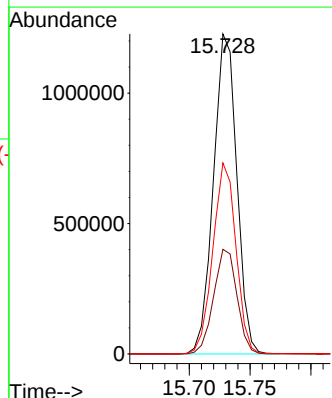
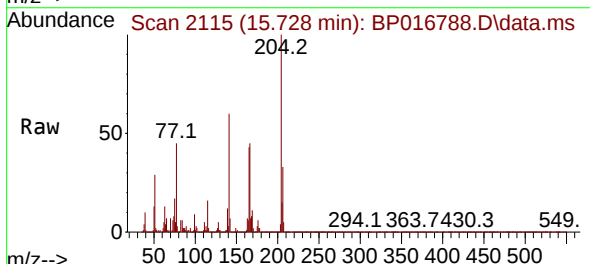
08/29/2023 By :mohammad
Supervised By :mohammad
ahmed 08/29/2023

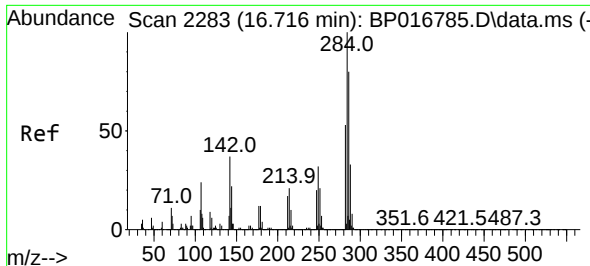
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ahmed



#62
4-Chlorophenyl-phenylether
Concen: 60.032 ng/ul
RT: 15.728 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

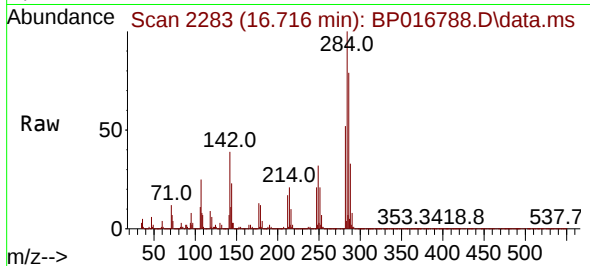
Tgt Ion:204 Resp: 1638548
Ion Ratio Lower Upper
204 100
206 32.7 26.7 40.1
141 59.7 46.8 70.2





#69
Hexachlorobenzene
Concen: 29.368 ng/ul
RT: 16.716 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

Instrument :
BNA_P
Client Sample Id :
DCHM6



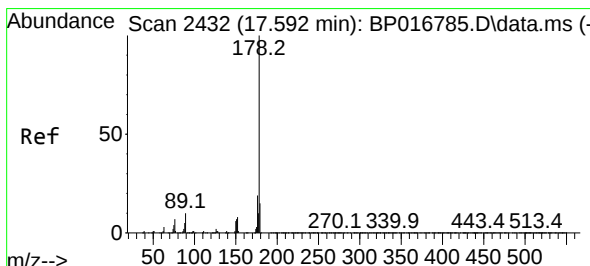
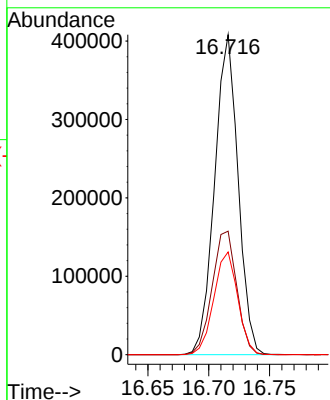
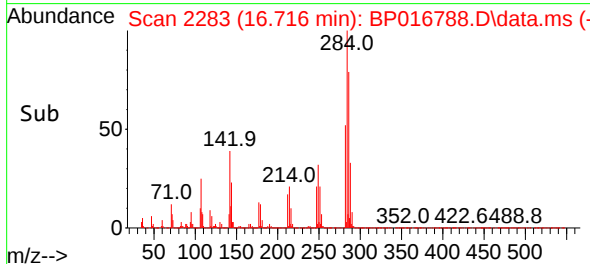
Tgt Ion:284 Resp: 54677
Ion Ratio Lower Upper
284 100
142 38.6 29.8 44.8
249 32.1 25.9 38.9

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Supervised By :mohammad ahmed 08/29/2023

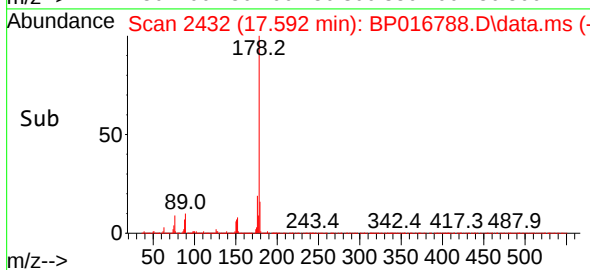
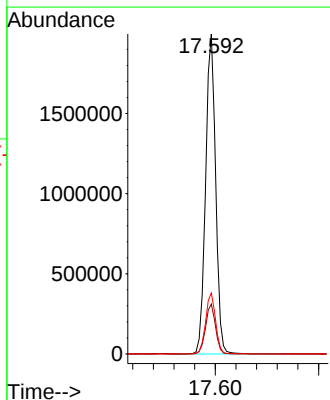
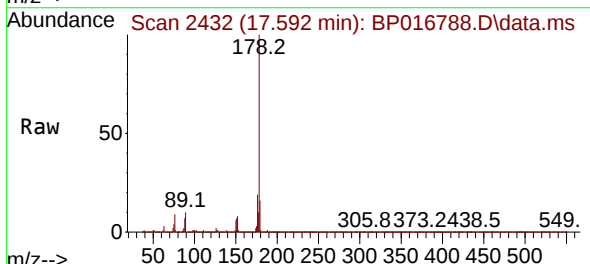
08/29/2023 By :mohammad
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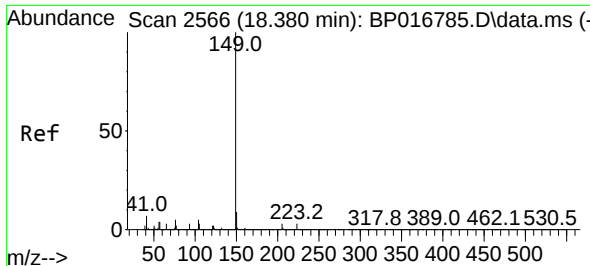
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ahmed



#74
Anthracene
Concen: 29.096 ng/ul
RT: 17.592 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

Tgt Ion:178 Resp: 2686231
Ion Ratio Lower Upper
178 100
179 15.6 12.4 18.6
176 19.1 15.3 22.9





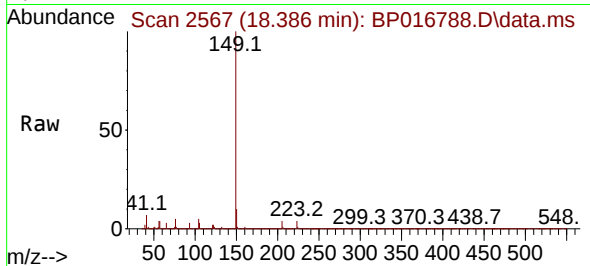
#78
Di-n-butylphthalate
Concen: 84.315 ng/ul
RT: 18.386 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

Instrument :

BNA_P

ClientSampleId :

DCHM6



Tgt Ion:149 Resp: 874662
Ion Ratio Lower Upper
149 100
150 9.7 7.5 11.3
104 5.3 4.1 6.1

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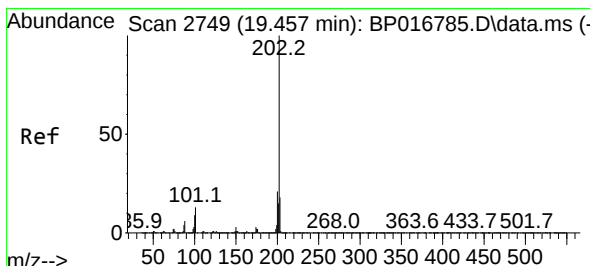
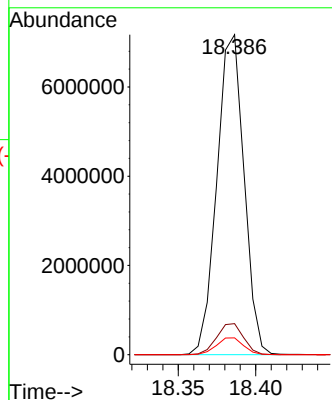
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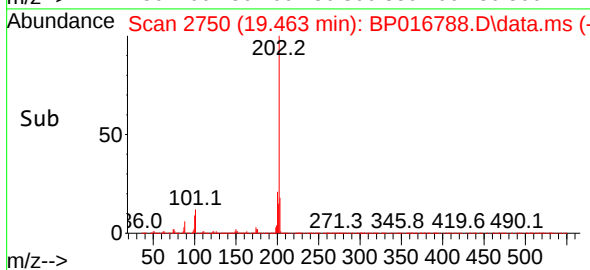
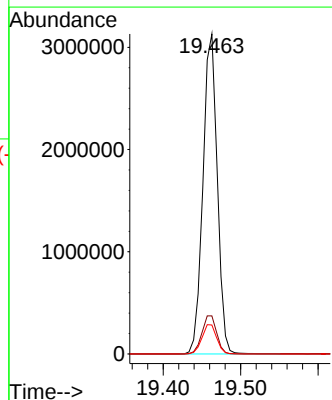
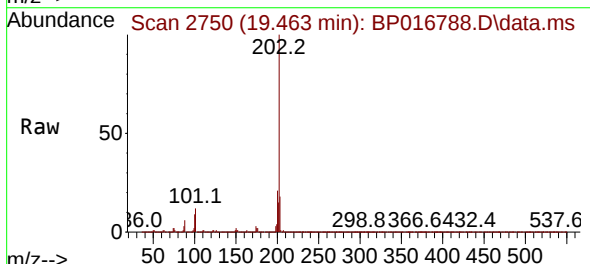
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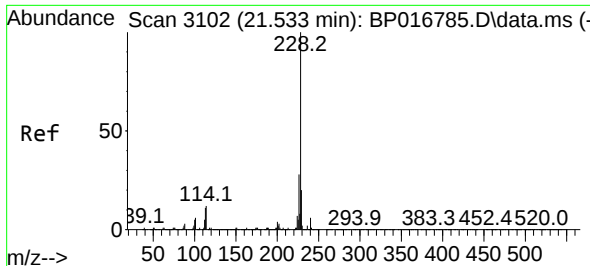
ahmed



#80
Fluoranthene
Concen: 36.641 ng/ul
RT: 19.463 min Scan# 2750
Delta R.T. -0.000 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

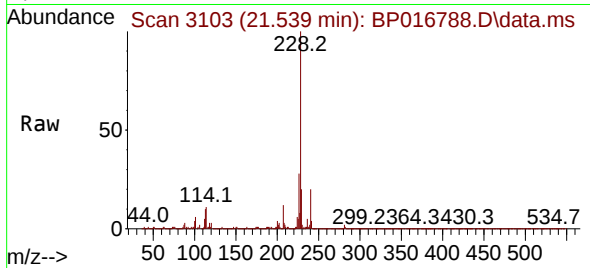
Tgt Ion:202 Resp: 4026353
Ion Ratio Lower Upper
202 100
101 11.9 9.7 14.5
100 9.1 7.4 11.2





#85
Benzo(a)anthracene
Concen: 18.926 ng/ul
RT: 21.539 min Scan# 3102
Delta R.T. -0.000 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

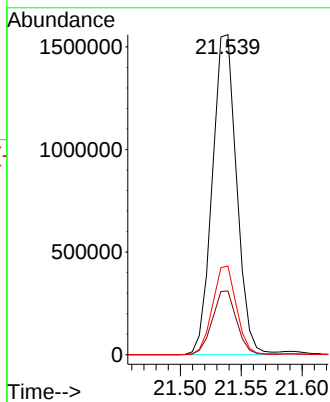
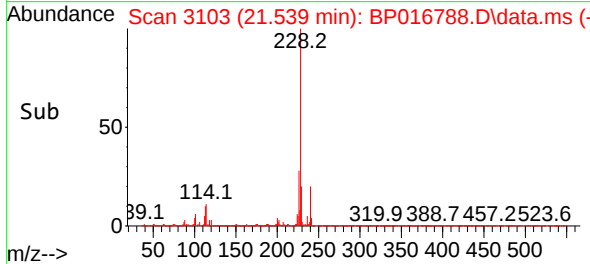
Instrument :
BNA_P
ClientSampleId :
DCHM6



Tgt Ion:228 Resp: 217126
Ion Ratio Lower Upper
228 100
229 19.9 16.2 24.4
226 27.7 22.9 34.3

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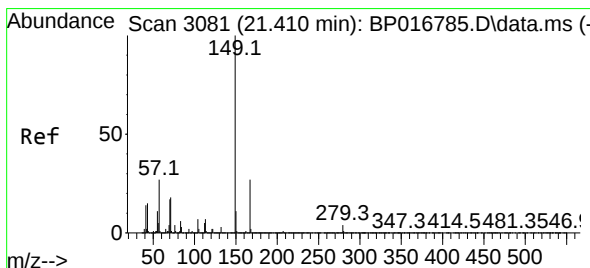
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



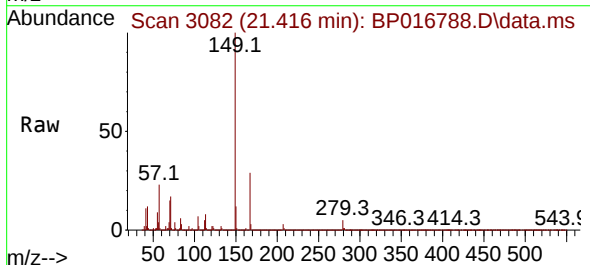
08/29/2023 By :mohammad
Supervised By :mohammad
ahmed 08/29/2023

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Supervised By :mohammad
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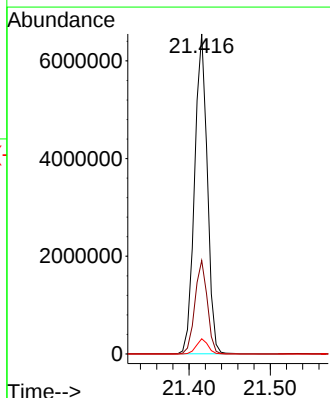
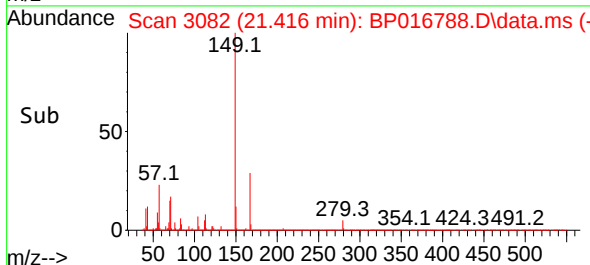
08/29/2023

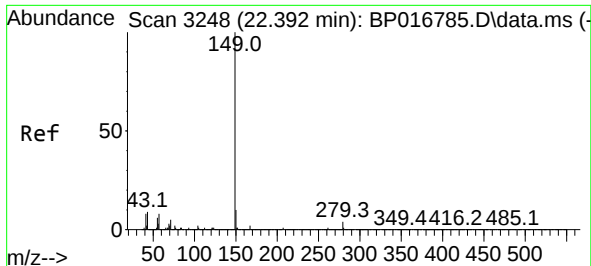


#86
Bis(2-ethylhexyl)phthalate
Concen: 99.792 ng/ul
RT: 21.416 min Scan# 3082
Delta R.T. 0.006 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39



Tgt Ion:149 Resp: 7132948
Ion Ratio Lower Upper
149 100
167 29.2 22.1 33.1
279 4.8 3.0 4.4#





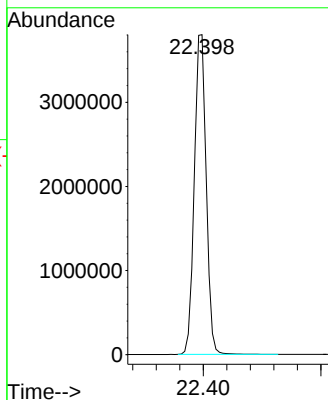
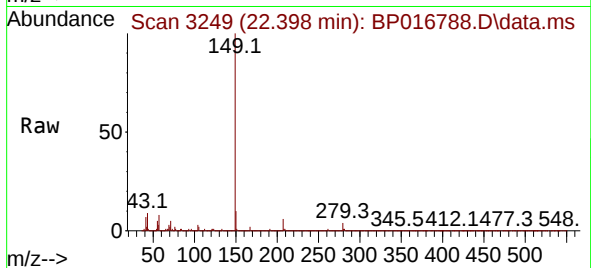
#89
Di-n-octyl phthalate
Concen: 42.581 ng/ul
RT: 22.398 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

Instrument :
BNA_P
Client Sample Id :
DCHM6

Tgt Ion:149 Resp: 5331958

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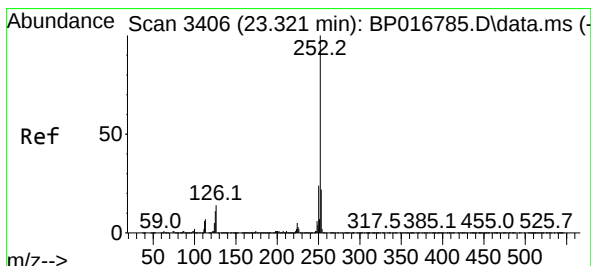
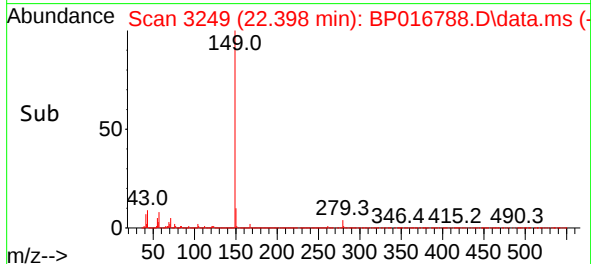
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



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Supervised By :mohammad
ahmed 08/29/2023

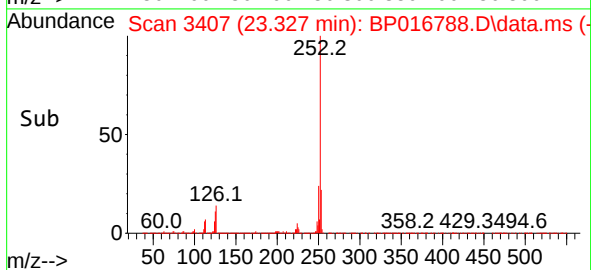
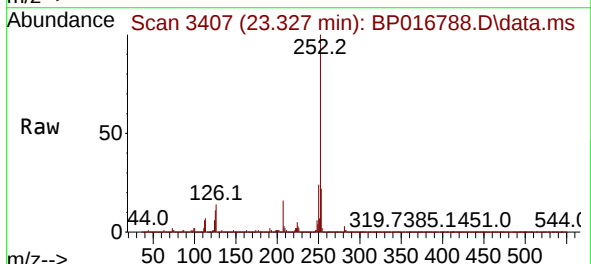
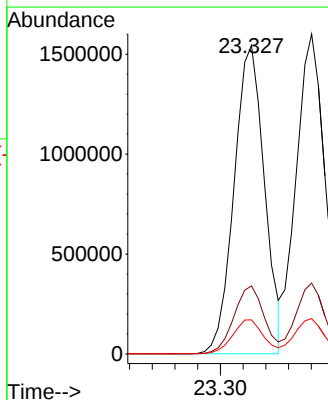
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Supervised By :mohammad
ahmed

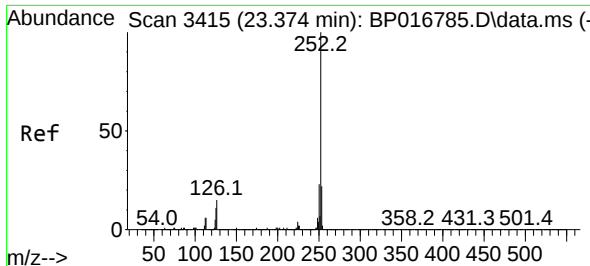
08/29/2023



#90
Benzo(b)fluoranthene
Concen: 26.938 ng/ul
RT: 23.327 min Scan# 3407
Delta R.T. -0.000 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

Tgt Ion:252 Resp: 2860215
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 11.0 9.0 13.4





#91
Benzo(k)fluoranthene
Concen: 27.057 ng/u1
RT: 23.380 min Scan# 3415
Delta R.T. -0.000 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

Instrument :

BNA_P

ClientSampleId :

DCHM6

Tgt Ion:252 Resp: 2841315
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 11.0 8.9 13.3

Manual Integrations

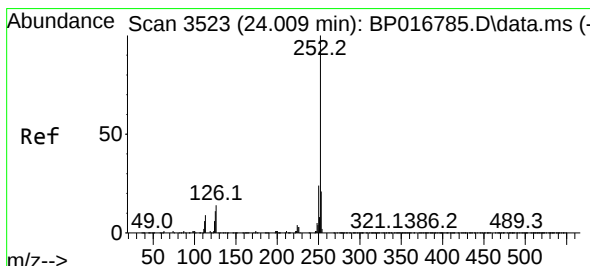
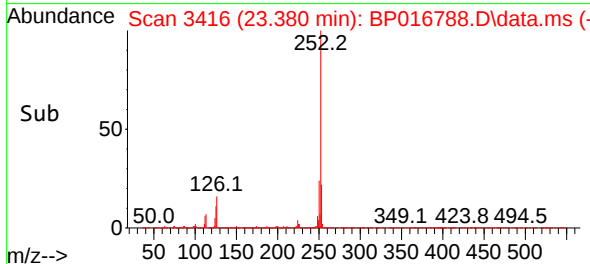
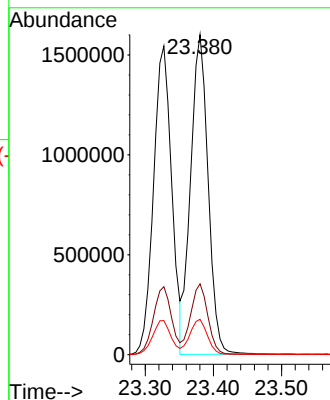
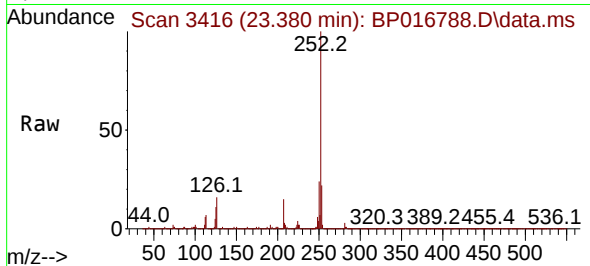
APPROVED

Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

08/29/2023 By :mohammad
Supervised By :mohammad
ahmed 08/29/2023

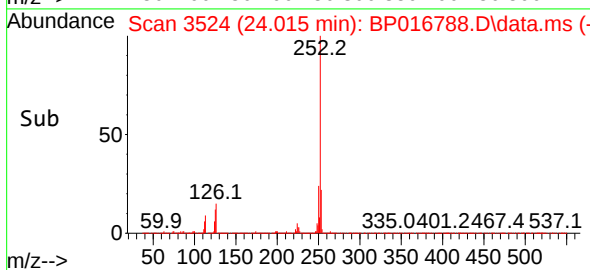
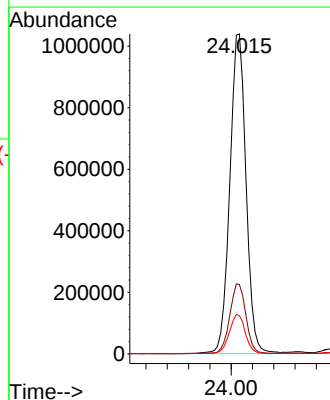
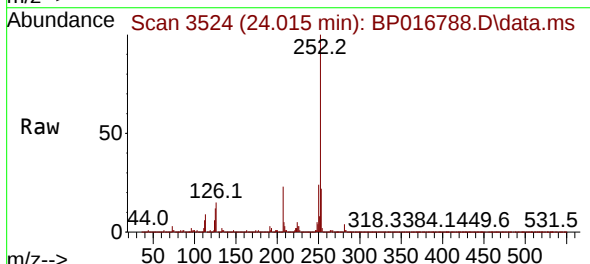
08/29/2023
Supervised By :mohammad
ahmed

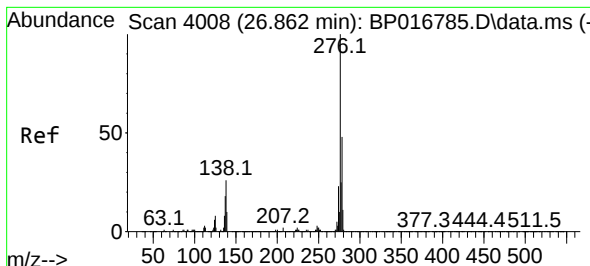
08/29/2023



#93
Benzo(a)pyrene
Concen: 22.889 ng/u1
RT: 24.015 min Scan# 3524
Delta R.T. -0.000 min
Lab File: BP016788.D
Acq: 28 Aug 2023 11:39

Tgt Ion:252 Resp: 2198266
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 11.9 9.9 14.9





#94

Indeno(1,2,3-cd)pyrene

Concen: 29.530 ng/ul

RT: 26.862 min Scan# 4008

Delta R.T. -0.012 min

Lab File: BP016788.D

Acq: 28 Aug 2023 11:39

Instrument :

BNP_P

ClientSampleId :

DCHM6

Tgt Ion:276 Resp: 2898104

Ion	Ratio	Lower	Upper
276	100		
138	21.9	20.9	31.3
277	23.9	19.8	29.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023

08/29/2023 By :mohammad

Supervised By :mohammad

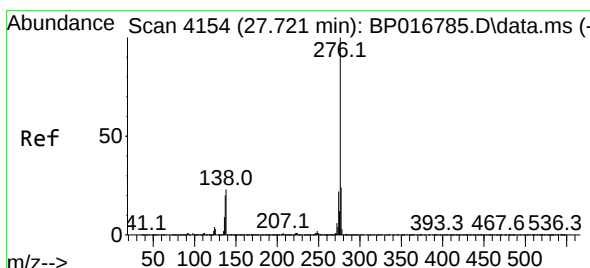
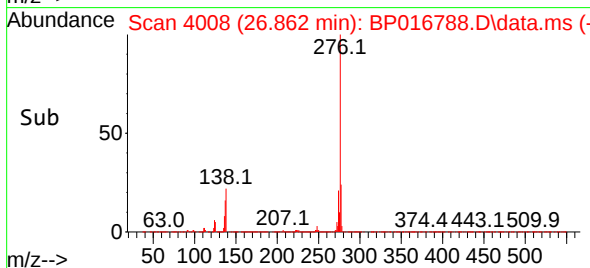
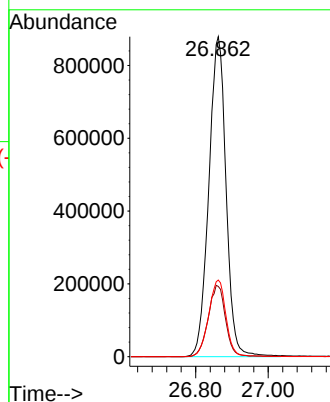
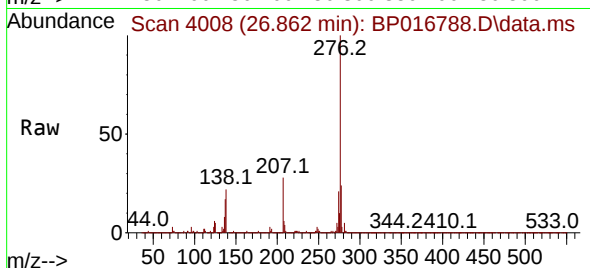
08/29/2023

08/29/2023

Supervised By :mohammad

ahmed

08/29/2023



#96

Benzo(g,h,i)perylene

Concen: 22.905 ng/ul

RT: 27.715 min Scan# 4153

Delta R.T. -0.012 min

Lab File: BP016788.D

Acq: 28 Aug 2023 11:39

Tgt Ion:276 Resp: 1704243

Ion	Ratio	Lower	Upper
276	100		
138	24.6	20.2	30.4
277	23.8	19.3	28.9

