

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022324\
 Data File : BP019844.D
 Acq On : 23 Feb 2024 15:33
 Operator : MA/JU
 Sample : P1318-01 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CO-11-GRID-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/27/2024
 Supervised By :mohammad ahmed 02/27/2024

Supervised By :mohammad
 ahmed
 02/27/2024

Quant Time: Feb 23 16:08:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 13:10:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	80733	20.000	ng	0.00
21) Naphthalene-d8	10.704	136	293721	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	203107	20.000	ng	0.00
64) Phenanthrene-d10	17.304	188	461261	20.000	ng	0.00
76) Chrysene-d12	21.410	240	443980	20.000	ng	-0.02
86) Perylene-d12	23.851	264	503292	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	165142	32.972	ng	0.00
7) Phenol-d6	7.075	99	217499	32.206	ng	0.00
23) Nitrobenzene-d5	9.075	82	145340	21.441	ng	0.00
42) 2,4,6-Tribromophenol	16.039	330	125906	42.457	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	351237	21.378	ng	0.00
79) Terphenyl-d14	19.880	244	679318	25.163	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.345	178	105319	4.339	ng	98
75) Fluoranthene	19.322	202	276209	9.314	ng	99
78) Pyrene	19.674	202	244330	7.798	ng	99
81) Benzo(a)anthracene	21.398	228	153874	4.924	ng	96
83) Chrysene	21.451	228	141888m	4.782	ng	
87) Indeno(1,2,3-cd)pyrene	26.392	276	85485	2.219	ng	# 95
88) Benzo(b)fluoranthene	23.110	252	201849m	6.363	ng	
89) Benzo(k)fluoranthene	23.151	252	69250m	2.285	ng	
90) Benzo(a)pyrene	23.745	252	135188	4.790	ng	# 92
92) Benzo(g,h,i)perylene	27.186	276	88116	2.741	ng	95

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

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ALS Vial : 8 Sample Multiplier: 1

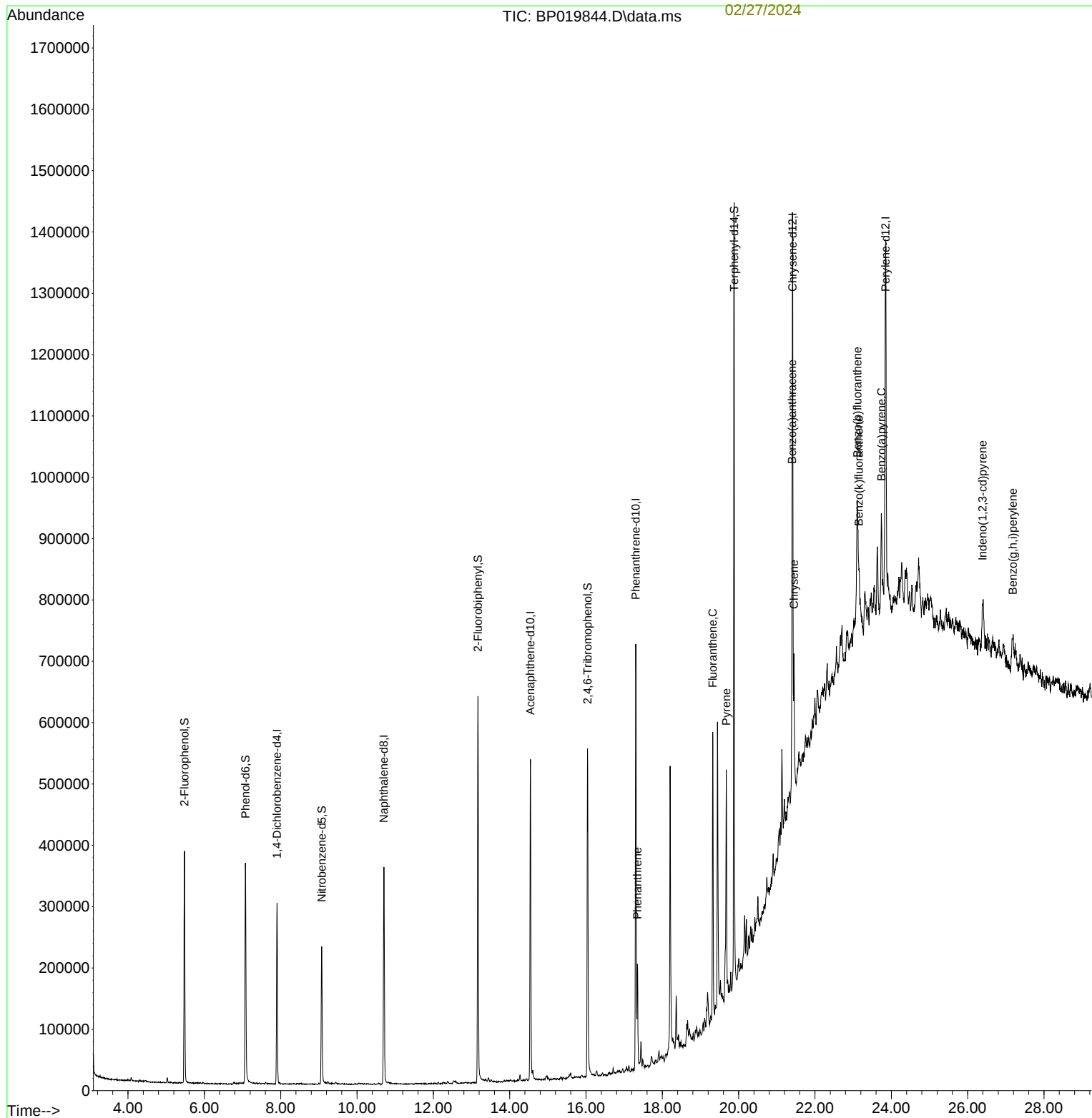
Instrument :
BNA_P
ClientSampleId :
CO-11-GRID-1

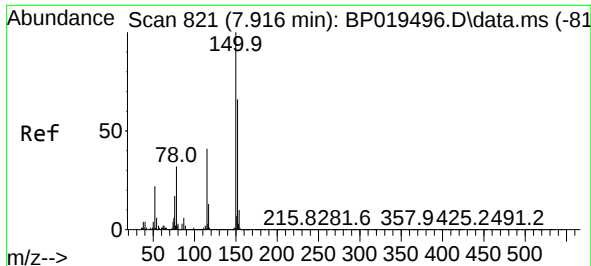
Quant Time: Feb 23 16:08:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 13:10:49 2024
Response via : Initial Calibration

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ahmed
02/27/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 81
Delta R.T. 0.005 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

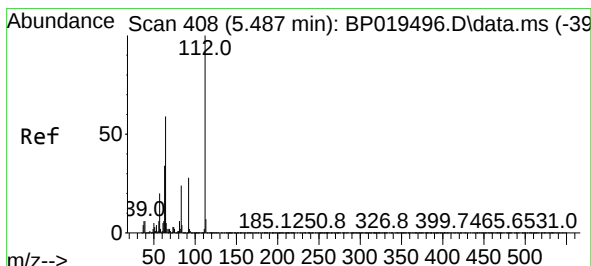
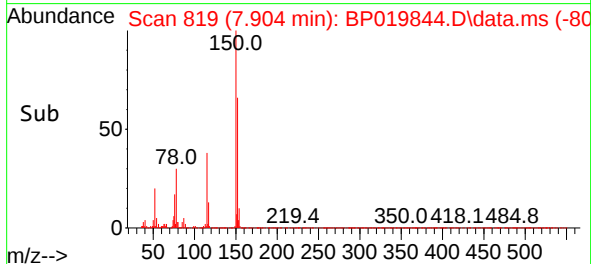
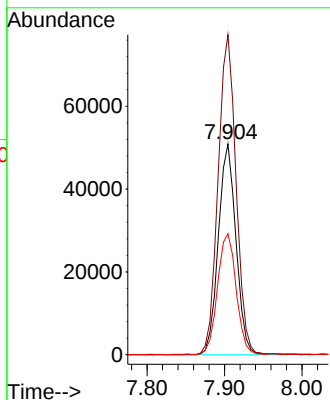
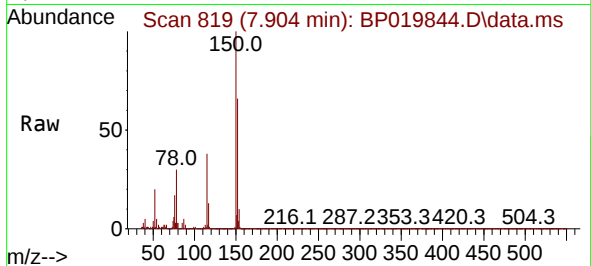
Instrument :
BNA_P
ClientSampleId :
CO-11-GRID-1

Tgt Ion:152 Resp: 8073
Ion Ratio Lower Upper
152 100
150 151.9 121.8 182.8
115 57.4 49.9 74.9

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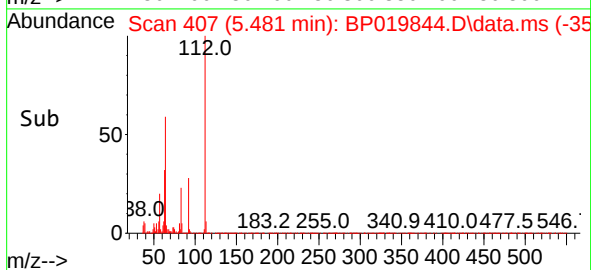
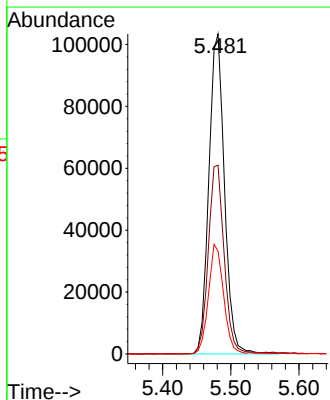
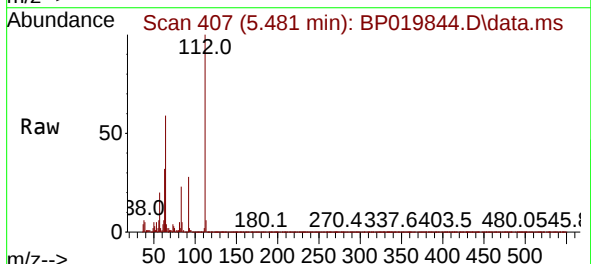
Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024

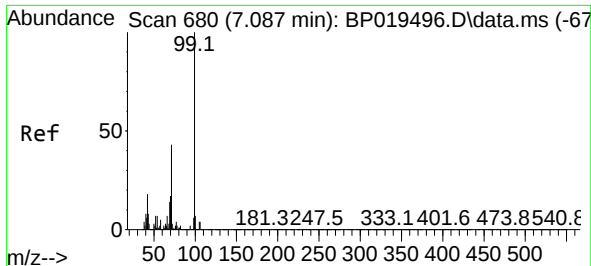
Supervised By :mohammad
ahmed
02/27/2024



#5
2-Fluorophenol
Concen: 32.972 ng
RT: 5.481 min Scan# 407
Delta R.T. 0.006 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

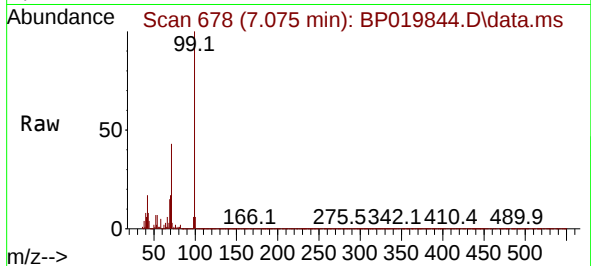
Tgt Ion:112 Resp: 165142
Ion Ratio Lower Upper
112 100
64 59.0 47.4 71.0
63 32.1 27.0 40.6





#7
Phenol-d6
Concen: 32.206 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

Instrument :
BNA_P
ClientSampleId :
CO-11-GRID-1

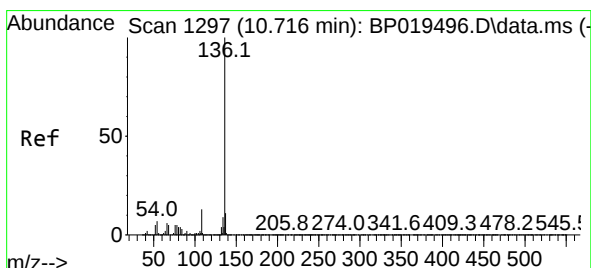
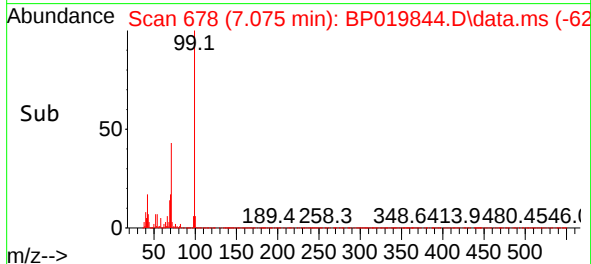
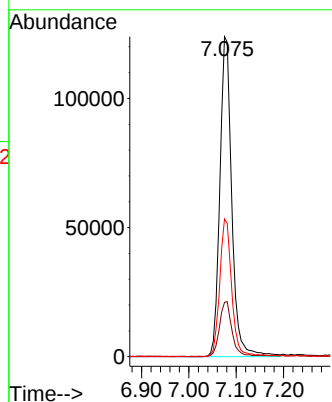


Tgt Ion: 99 Resp: 217499
Ion Ratio Lower Upper
99 100
42 17.0 14.7 22.1
71 43.1 34.8 52.2

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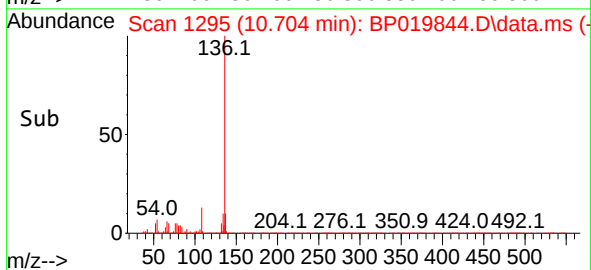
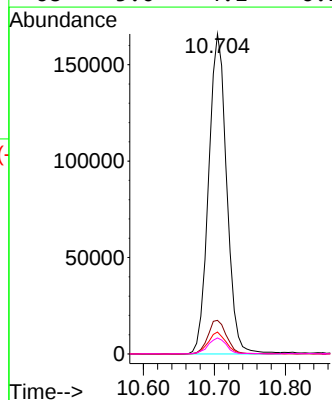
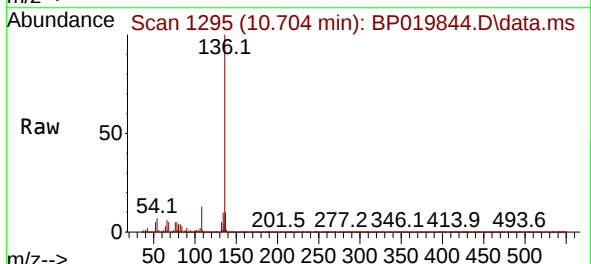
Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024

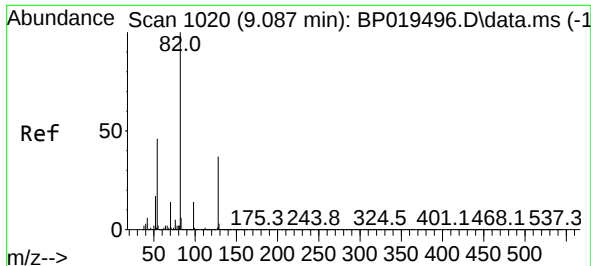
Supervised By :mohammad
ahmed
02/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

Tgt Ion:136 Resp: 293721
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 6.9 5.3 7.9
68 5.0 4.1 6.1





#23

Nitrobenzene-d5

Concen: 21.441 ng

RT: 9.075 min Scan# 1018

Delta R.T. -0.000 min

Lab File: BP019844.D

Acq: 23 Feb 2024 15:33

Instrument :

BNP_P

ClientSampleId :

CO-11-GRID-1

Tgt Ion: 82	Resp: 145340
Ion Ratio	Lower Upper
82 100	
128 37.7	29.7 44.5
54 45.8	36.8 55.2

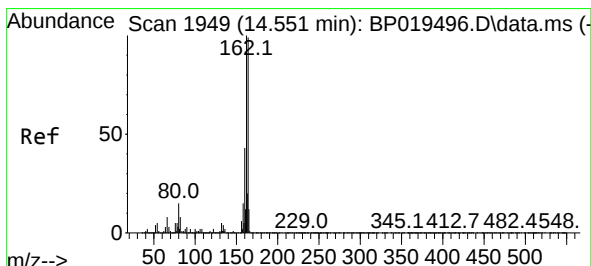
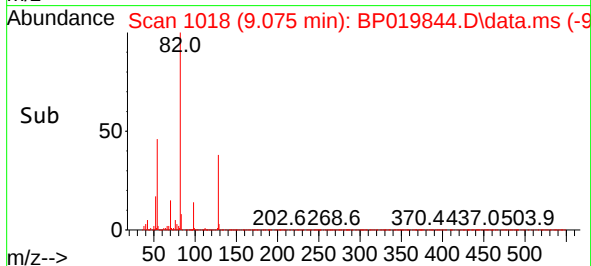
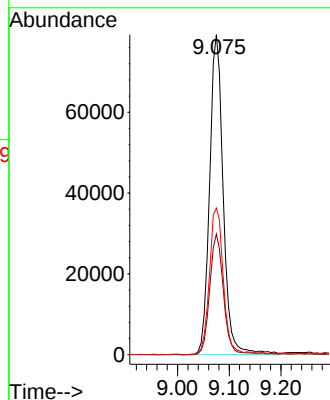
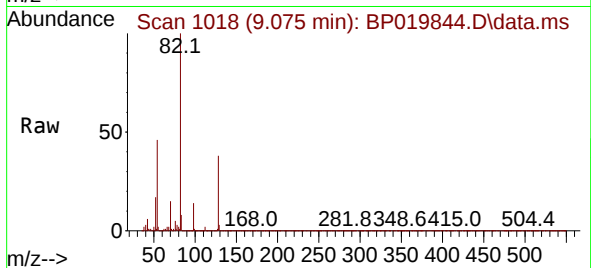
Manual Integrations

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Supervised By :mohammad
ahmed
02/27/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

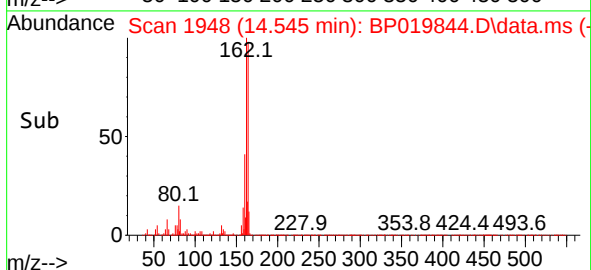
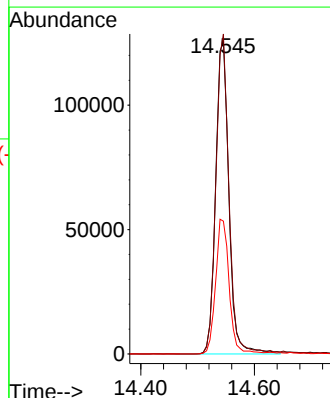
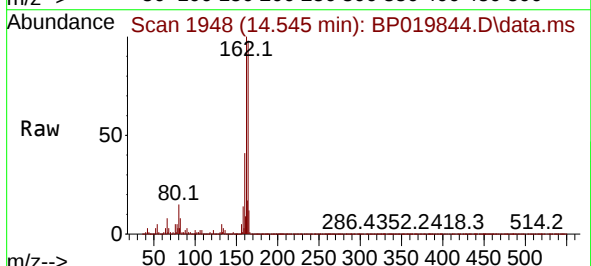
RT: 14.545 min Scan# 1948

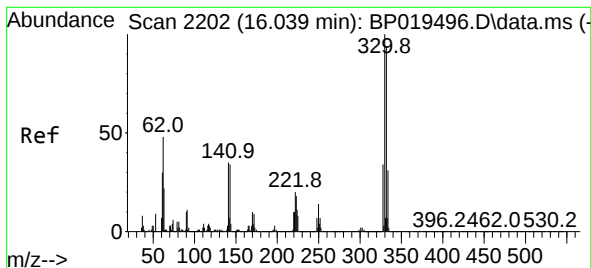
Delta R.T. -0.000 min

Lab File: BP019844.D

Acq: 23 Feb 2024 15:33

Tgt Ion:164	Resp: 203107
Ion Ratio	Lower Upper
164 100	
162 102.5	81.2 121.8
160 42.5	35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 42.457 ng

RT: 16.039 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019844.D

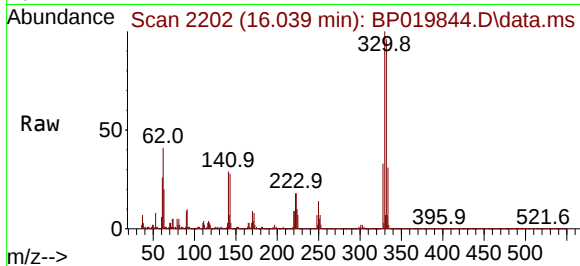
Acq: 23 Feb 2024 15:33

Instrument :

BNA_P

ClientSampleId :

CO-11-GRID-1



Tgt Ion:330 Resp: 125900

Ion Ratio Lower Upper

330 100

332 96.7 77.2 115.8

141 28.7 27.0 40.4

Manual Integrations

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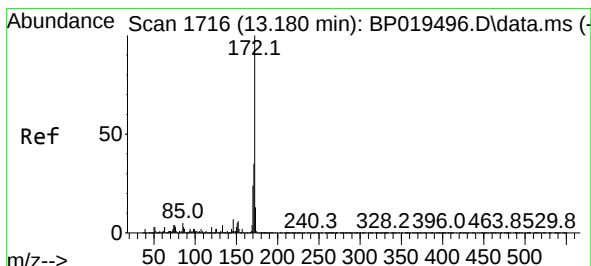
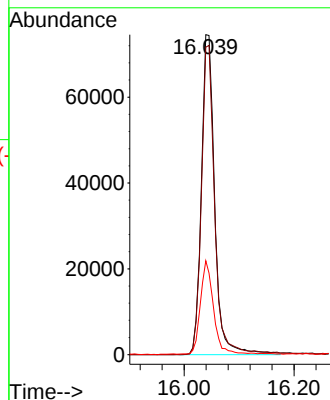
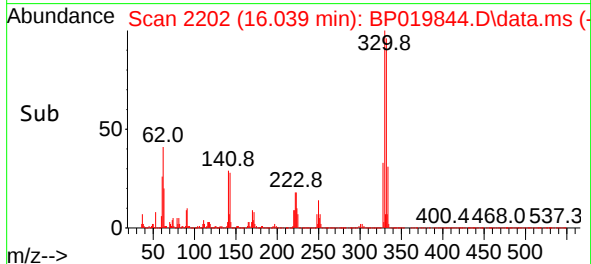
Reviewed By :Yogesh Patel 02/27/2024

Supervised By :mohammad ahmed 02/27/2024

Supervised By :mohammad

ahmed

02/27/2024



#45

2-Fluorobiphenyl

Concen: 21.378 ng

RT: 13.169 min Scan# 1714

Delta R.T. -0.000 min

Lab File: BP019844.D

Acq: 23 Feb 2024 15:33

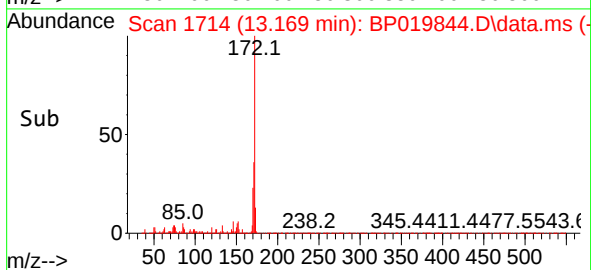
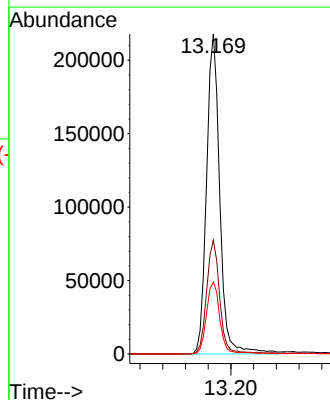
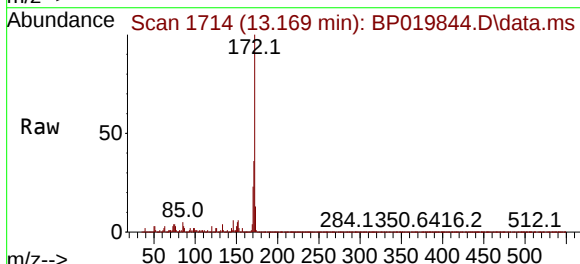
Tgt Ion:172 Resp: 351237

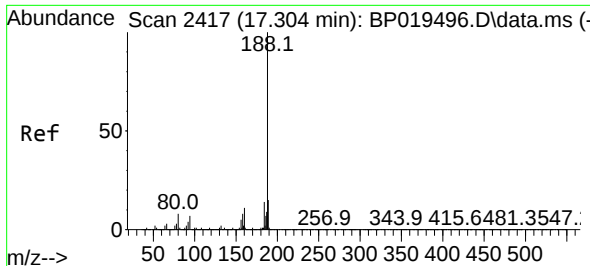
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 22.5 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.304 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

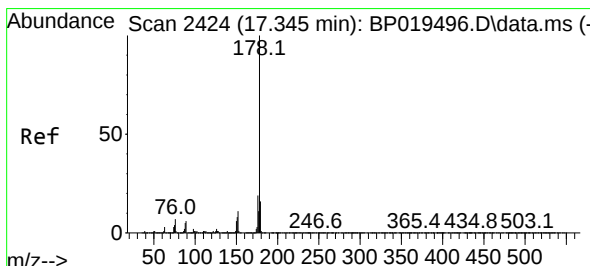
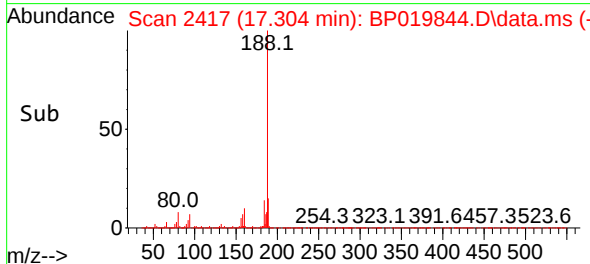
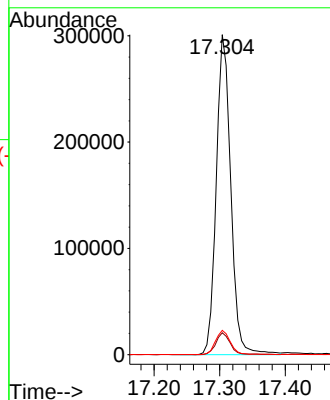
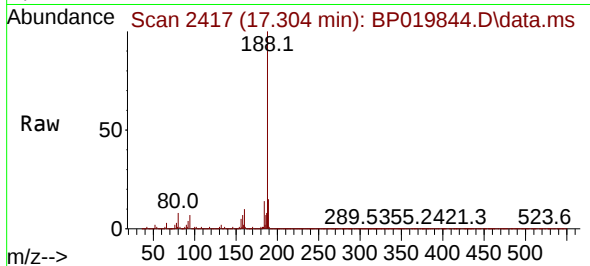
Instrument :
BNA_P
ClientSampleId :
CO-11-GRID-1

Tgt Ion:188 Resp: 46126
Ion Ratio Lower Upper
188 100
94 6.8 5.4 8.2
80 7.6 6.3 9.5

Manual Integrations
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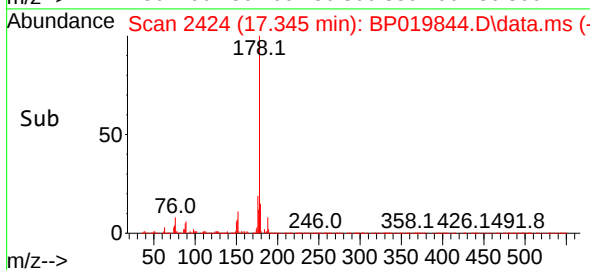
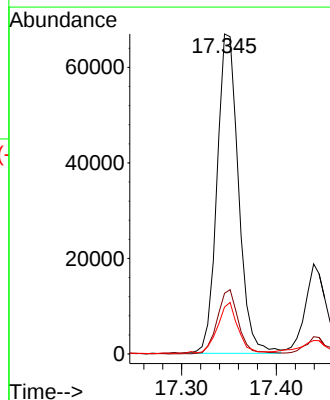
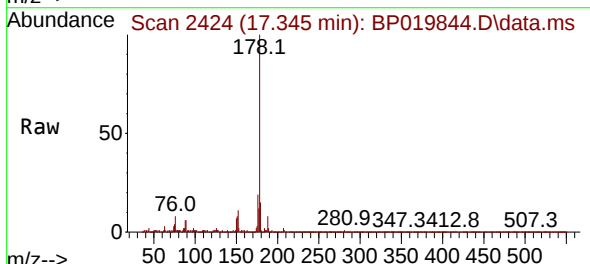
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Supervised By :mohammad ahmed 02/27/2024

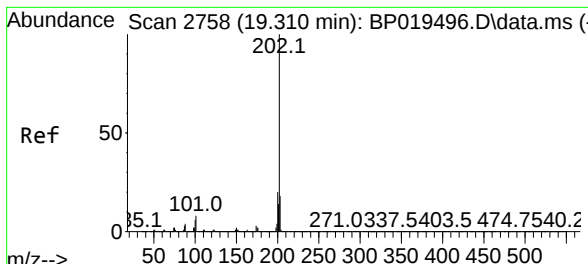
Supervised By :mohammad
ahmed
02/27/2024



#71
Phenanthrene
Concen: 4.339 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.012 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

Tgt Ion:178 Resp: 105319
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 14.6 12.6 19.0



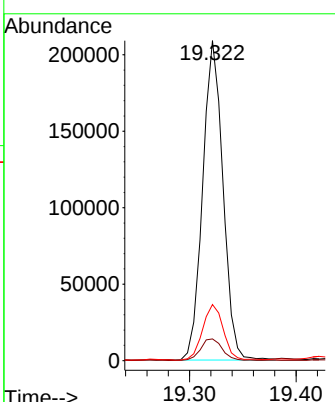
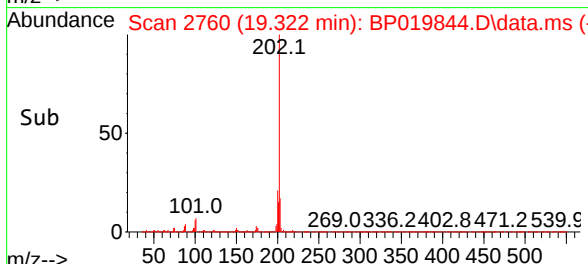
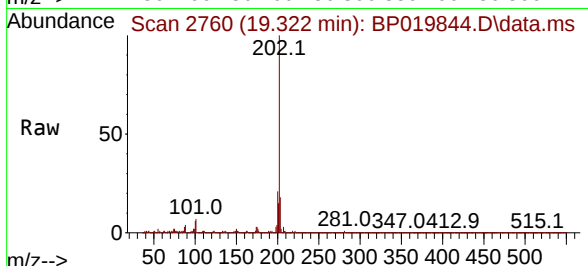


#75
 Fluoranthene
 Concen: 9.314 ng
 RT: 19.322 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP019844.D
 Acq: 23 Feb 2024 15:33

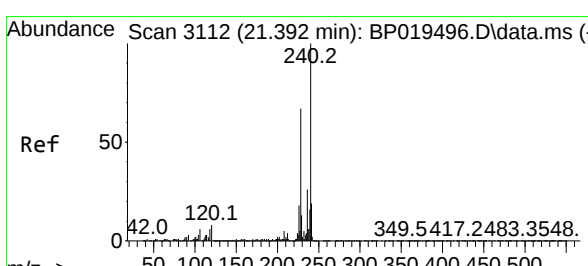
Instrument : BNA_P
 ClientSampleId : CO-11-GRID-1

Tgt Ion:	202	Resp:	276209
Ion Ratio	Lower	Upper	
202	100		
101	6.8	0.0	27.7
203	17.5	0.0	37.5

Manual Integrations
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 Supervised By :mohammad ahmed 02/27/2024

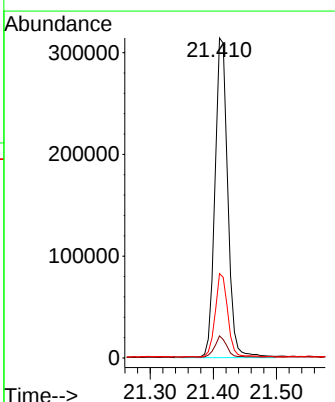
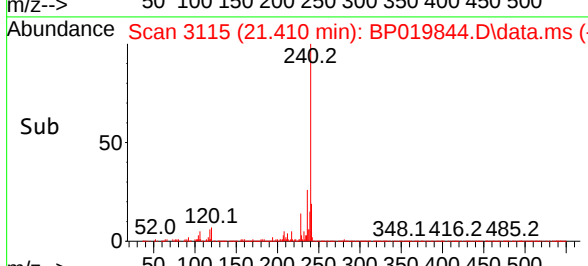
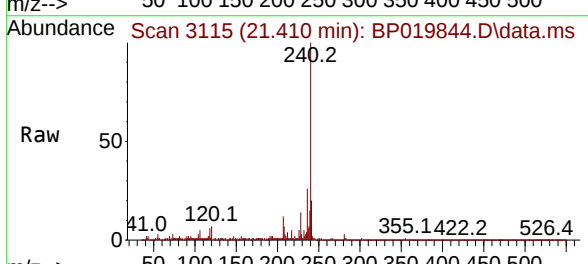


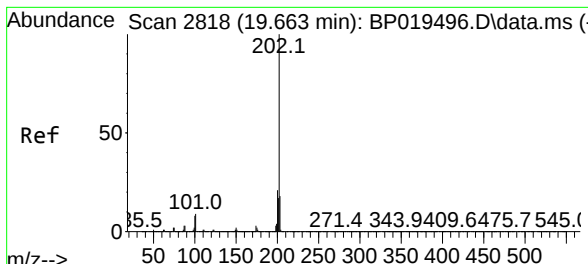
Supervised By :mohammad ahmed
 02/27/2024



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.410 min Scan# 3115
 Delta R.T. -0.018 min
 Lab File: BP019844.D
 Acq: 23 Feb 2024 15:33

Tgt Ion:	240	Resp:	443980
Ion Ratio	Lower	Upper	
240	100		
120	6.9	6.1	9.1
236	26.3	20.7	31.1





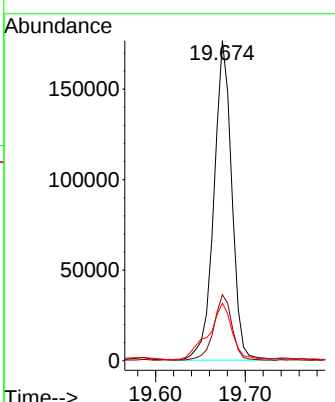
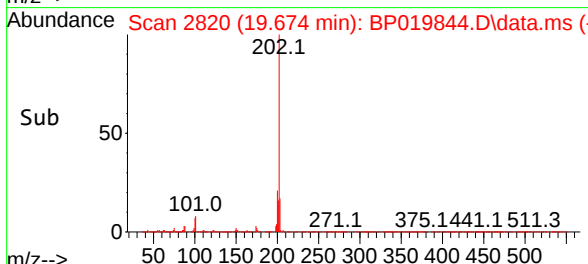
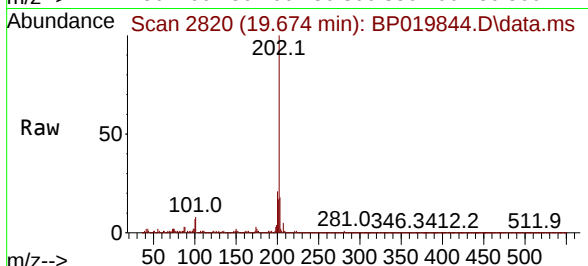
#78
 Pyrene
 Concen: 7.798 ng
 RT: 19.674 min Scan# 2818
 Delta R.T. -0.012 min
 Lab File: BP019844.D
 Acq: 23 Feb 2024 15:33

Instrument : BNA_P
 ClientSampleId : CO-11-GRID-1

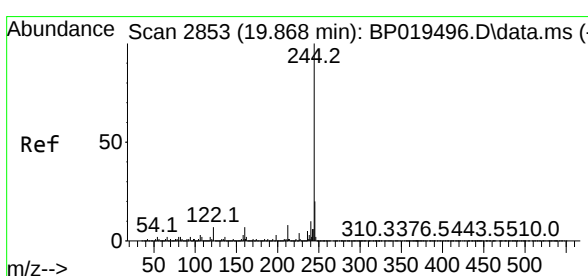
Tgt Ion:	202	Resp:	244330
Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.9	25.3
203	18.0	14.2	21.2

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Reviewed By :Yogesh Patel 02/27/2024
 Supervised By :mohammad ahmed 02/27/2024

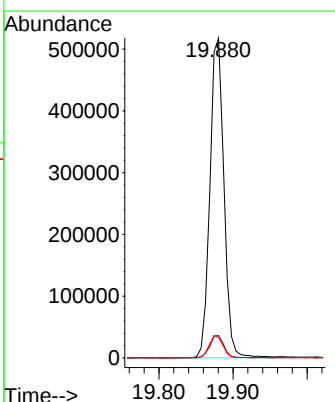
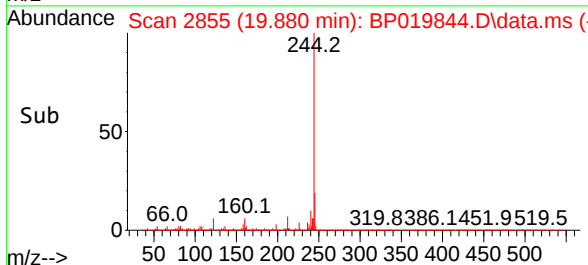
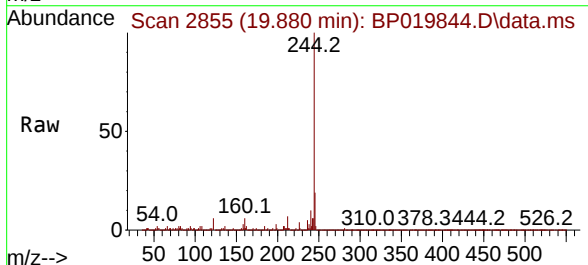


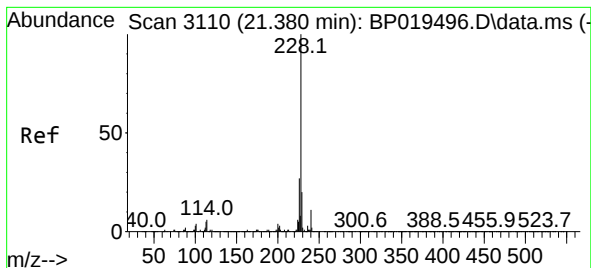
Supervised By :mohammad
 ahmed
 02/27/2024



#79
 Terphenyl-d14
 Concen: 25.163 ng
 RT: 19.880 min Scan# 2855
 Delta R.T. -0.012 min
 Lab File: BP019844.D
 Acq: 23 Feb 2024 15:33

Tgt Ion:	244	Resp:	679318
Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	6.4	5.9	8.9





#81

Benzo(a)anthracene

Concen: 4.924 ng

RT: 21.398 min Scan# 3113

Delta R.T. -0.012 min

Lab File: BP019844.D

Acq: 23 Feb 2024 15:33

Instrument :

BNA_P

ClientSampleId :

CO-11-GRID-1

Tgt Ion:228 Resp: 153874

Ion Ratio Lower Upper

228 100

226 28.4 21.7 32.5

229 22.2 15.6 23.4

Manual Integrations

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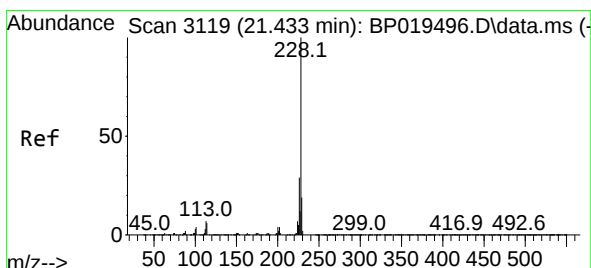
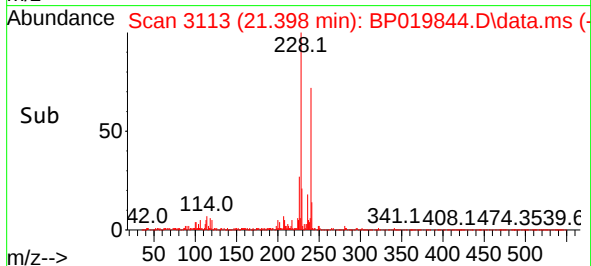
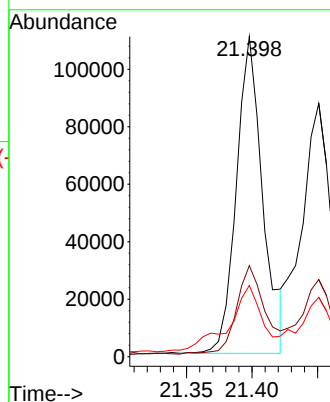
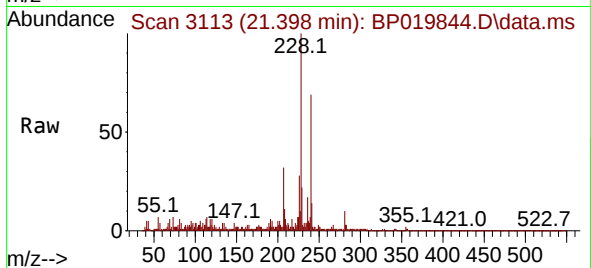
Reviewed By :Yogesh Patel 02/27/2024

Supervised By :mohammad ahmed 02/27/2024

Supervised By :mohammad

ahmed

02/27/2024



#83

Chrysene

Concen: 4.782 ng m

RT: 21.451 min Scan# 3122

Delta R.T. -0.018 min

Lab File: BP019844.D

Acq: 23 Feb 2024 15:33

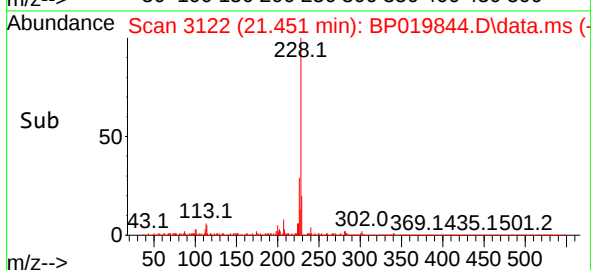
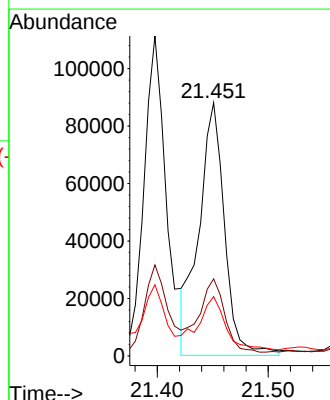
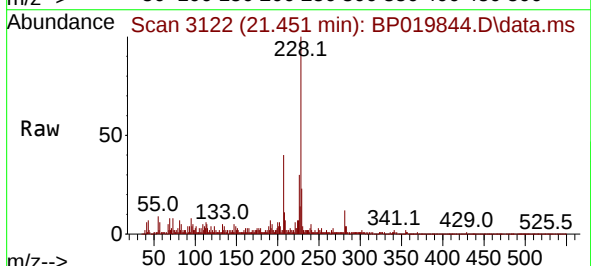
Tgt Ion:228 Resp: 141888

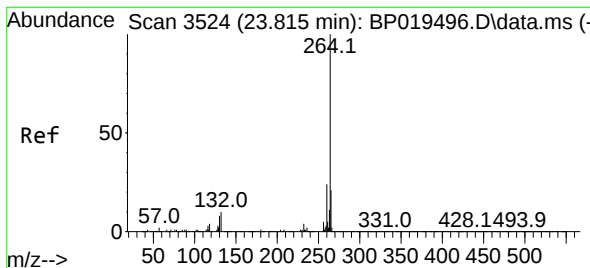
Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.2

229 23.4 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.851 min Scan# 3

Delta R.T. -0.018 min

Lab File: BP019844.D

Acq: 23 Feb 2024 15:33

Instrument :

BNA_P

ClientSampleId :

CO-11-GRID-1

Tgt Ion:	264	Resp:	50329
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.2	28.8
265	22.1	17.0	25.4

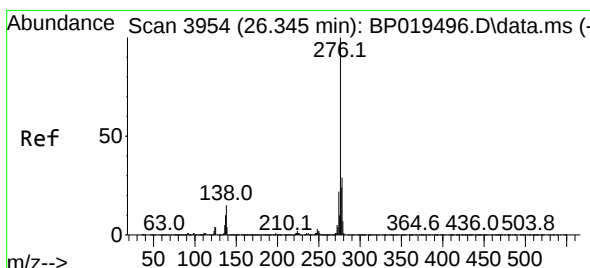
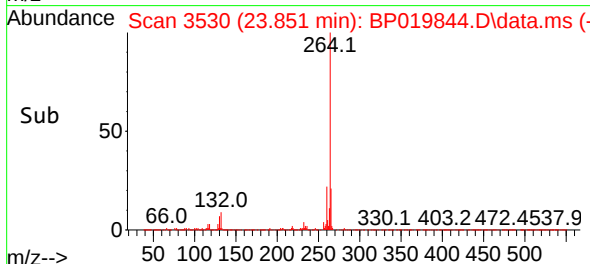
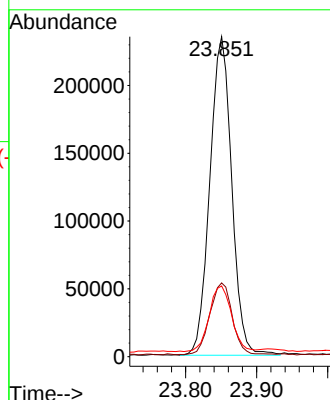
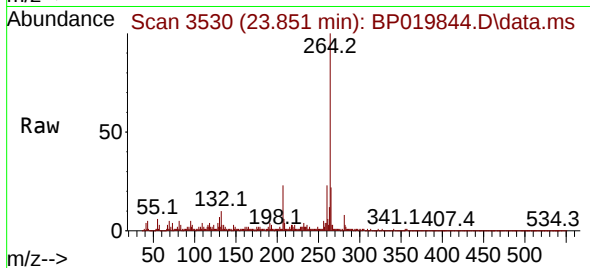
Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/27/2024

Supervised By :mohammad ahmed 02/27/2024

Supervised By :mohammad
ahmed
02/27/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.219 ng

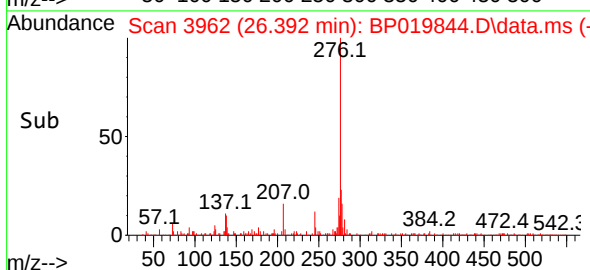
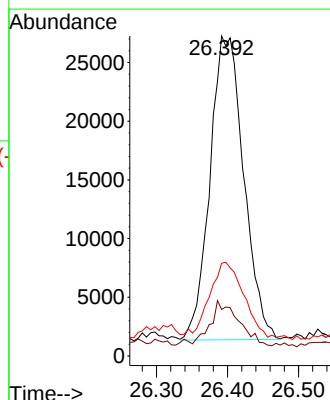
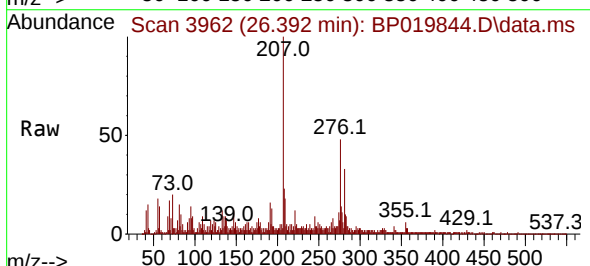
RT: 26.392 min Scan# 3962

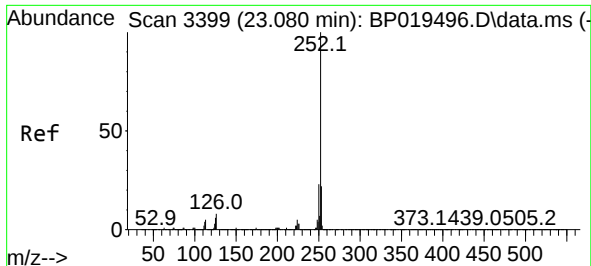
Delta R.T. -0.041 min

Lab File: BP019844.D

Acq: 23 Feb 2024 15:33

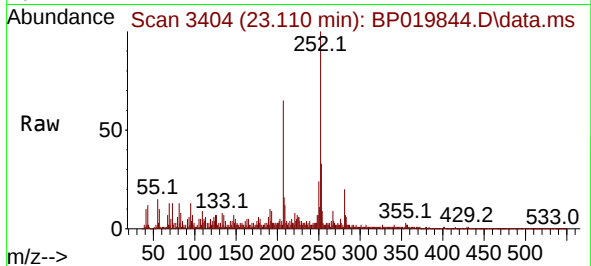
Tgt Ion:	276	Resp:	85485
Ion Ratio	Lower	Upper	
276	100		
138	12.4	13.1	19.7#
277	26.8	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 6.363 ng m
RT: 23.110 min Scan# 3410
Delta R.T. -0.018 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

Instrument :
BNA_P
ClientSampleId :
CO-11-GRID-1

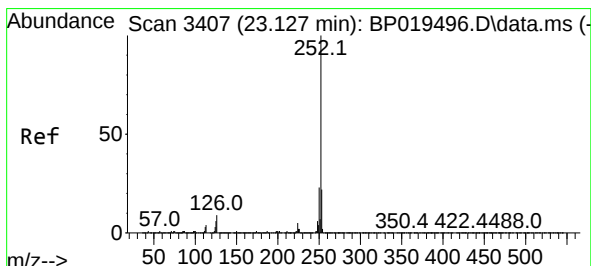
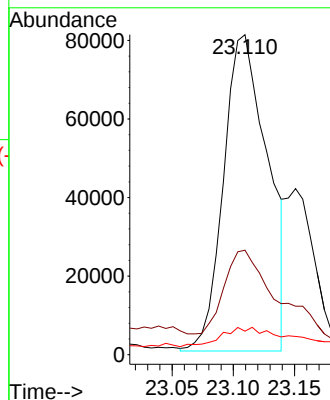
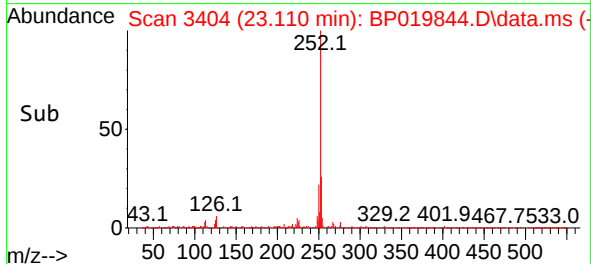


Tgt Ion:252 Resp: 201849
Ion Ratio Lower Upper
252 100
253 32.7 17.3 25.9#
125 7.4 4.9 7.3#

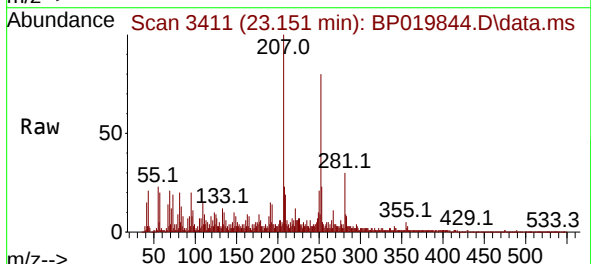
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024

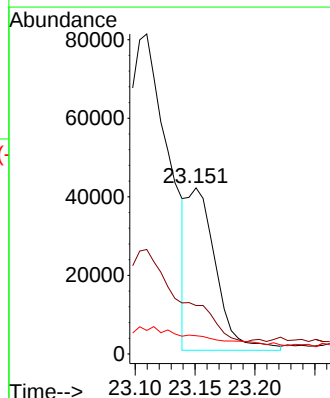
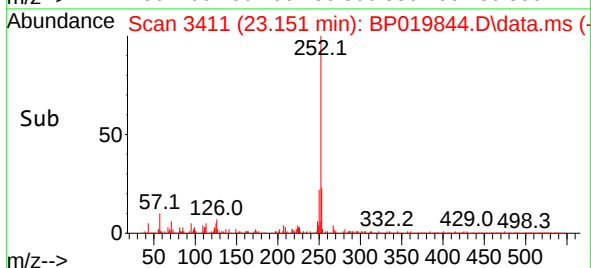
Supervised By :mohammad
ahmed
02/27/2024

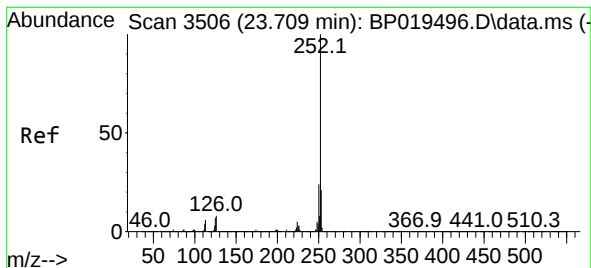


#89
Benzo(k)fluoranthene
Concen: 2.285 ng m
RT: 23.151 min Scan# 3411
Delta R.T. -0.024 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33



Tgt Ion:252 Resp: 69250
Ion Ratio Lower Upper
252 100
253 29.2 17.1 25.7#
125 11.0 5.0 7.6#





#90

Benzo(a)pyrene

Concen: 4.790 ng

RT: 23.745 min Scan# 3512

Delta R.T. -0.018 min

Lab File: BP019844.D

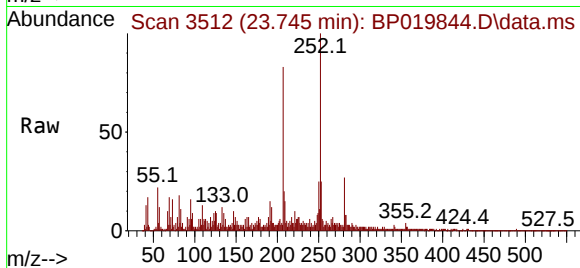
Acq: 23 Feb 2024 15:33

Instrument :

BNA_P

ClientSampleId :

CO-11-GRID-1



Tgt Ion:252 Resp: 13518

Ion Ratio Lower Upper

252 100

253 25.4 17.1 25.7

125 9.7 5.6 8.4

Manual Integrations

APPROVED

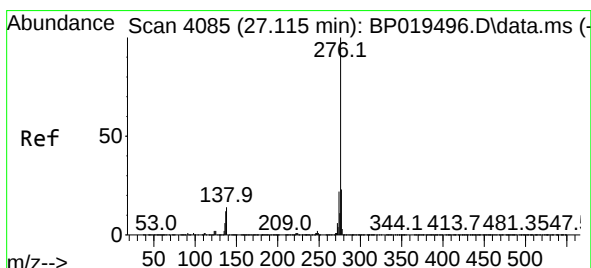
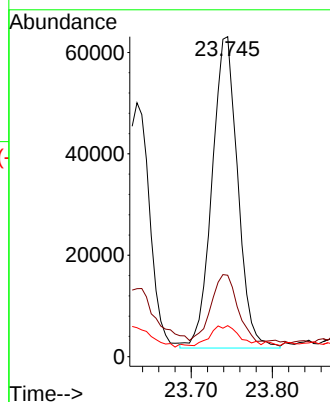
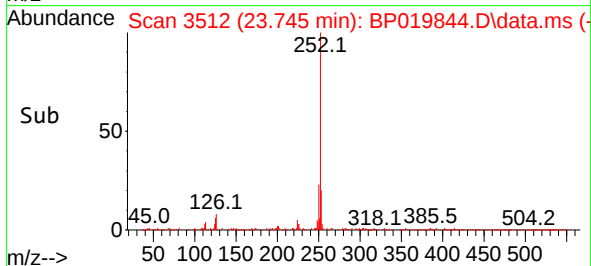
Reviewed By :Yogesh Patel 02/27/2024

Supervised By :mohammad ahmed 02/27/2024

Supervised By :mohammad

ahmed

02/27/2024



#92

Benzo(g,h,i)perylene

Concen: 2.741 ng

RT: 27.186 min Scan# 4097

Delta R.T. -0.030 min

Lab File: BP019844.D

Acq: 23 Feb 2024 15:33

Tgt Ion:276 Resp: 88116

Ion Ratio Lower Upper

276 100

277 27.0 18.6 28.0

138 12.9 10.9 16.3

