

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022924\
 Data File : BP019936.D
 Acq On : 29 Feb 2024 14:35
 Operator : MA/JU
 Sample : P1602-04DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-2DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/01/2024
 Supervised By :mohammad ahmed 03/02/2024

Quant Time: Feb 29 15:06:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 29 12:18:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	66504	20.000	ng	-0.02
21) Naphthalene-d8	10.699	136	257701	20.000	ng	-0.02
39) Acenaphthene-d10	14.540	164	184375	20.000	ng	-0.02
64) Phenanthrene-d10	17.310	188	422276	20.000	ng	-0.01
76) Chrysene-d12	21.416	240	443515	20.000	ng	-0.01
86) Perylene-d12	23.845	264	478654	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	63601	15.697	ng	-0.02
7) Phenol-d6	7.069	99	88095	14.604	ng	-0.02
23) Nitrobenzene-d5	9.069	82	61189	9.586	ng	-0.02
42) 2,4,6-Tribromophenol	16.045	330	54171	17.135	ng	-0.02
45) 2-Fluorobiphenyl	13.163	172	137546	10.079	ng	-0.02
79) Terphenyl-d14	19.875	244	261601	9.297	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.746	128	223896	16.227	ng	99
37) 2-Methylnaphthalene	12.363	142	56659	5.290	ng	97
38) 1-Methylnaphthalene	12.581	142	36381m	3.590	ng	
49) Acenaphthylene	14.269	152	59123	3.561	ng	96
52) Acenaphthene	14.604	154	68509	6.873	ng	98
55) Dibenzofuran	14.946	168	111414	6.549	ng	98
58) Fluorene	15.598	166	152693	11.067	ng	99
71) Phenanthrene	17.351	178	1167030	51.776	ng	100
72) Anthracene	17.440	178	292720	12.722	ng	99
73) Carbazole	17.722	167	101666	4.989	ng	97
75) Fluoranthene	19.328	202	1388757	47.476	ng	99
78) Pyrene	19.681	202	1157911	37.999	ng	100
81) Benzo(a)anthracene	21.398	228	660736	20.988	ng	98
83) Chrysene	21.451	228	535013	18.136	ng	97
87) Indeno(1,2,3-cd)pyrene	26.392	276	287896	8.544	ng	# 96
88) Benzo(b)fluoranthene	23.104	252	706193	24.065	ng	99
89) Benzo(k)fluoranthene	23.145	252	259464m	9.015	ng	
90) Benzo(a)pyrene	23.739	252	498795	17.786	ng	97
91) Dibenzo(a,h)anthracene	26.410	278	75450	2.663	ng	# 87
92) Benzo(g,h,i)perylene	27.174	276	256066	9.364	ng	98

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

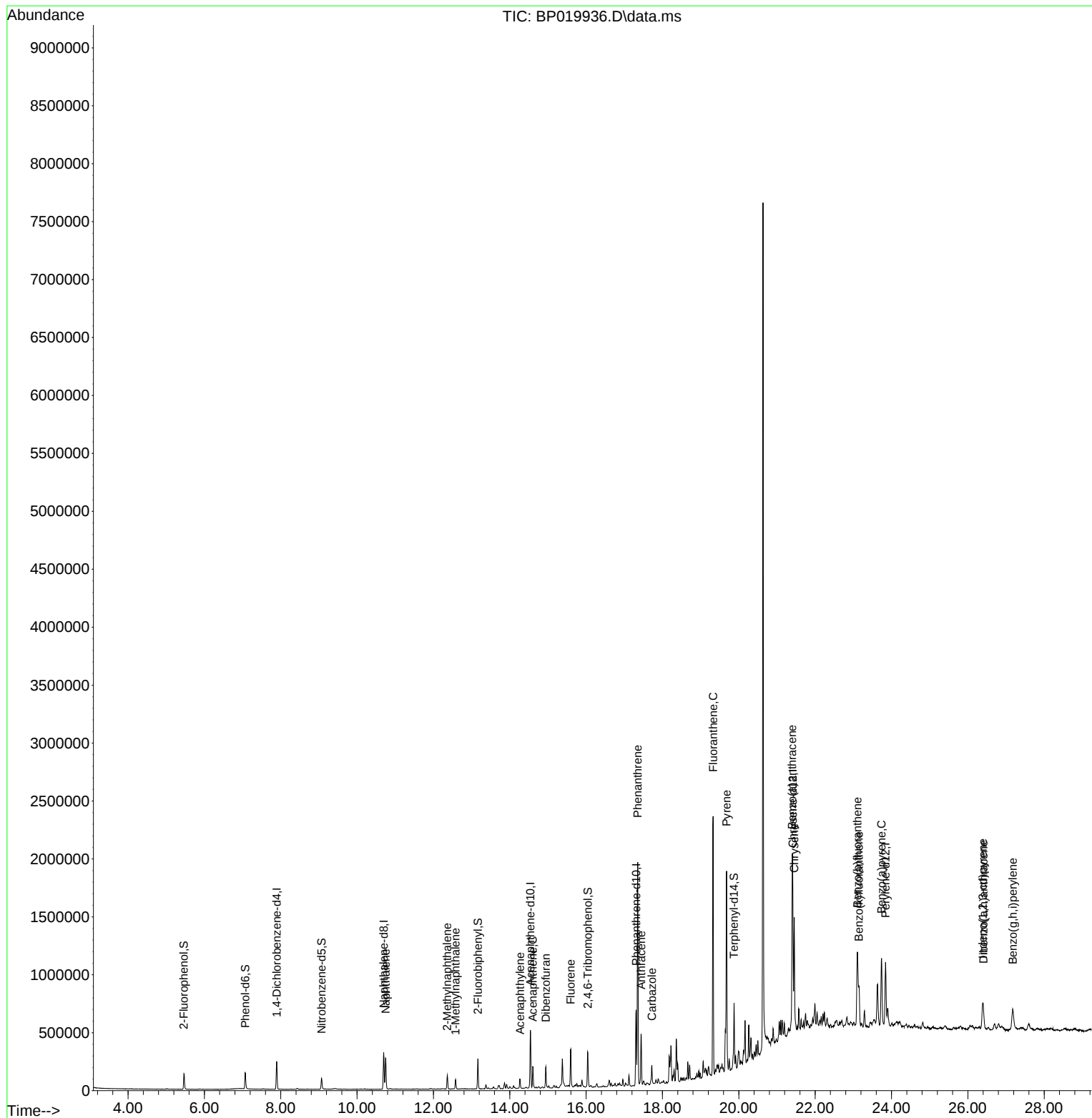
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022924\
Data File : BP019936.D
Acq On : 29 Feb 2024 14:35
Operator : MA/JU
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Misc :
ALS Vial : 8 Sample Multiplier: 1

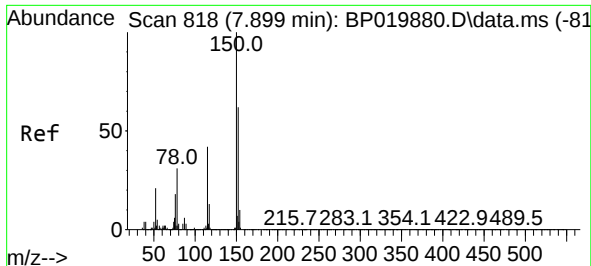
Instrument :
BNA_P
ClientSampleId :
WC-2DL

Quant Time: Feb 29 15:06:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 03/02/2024





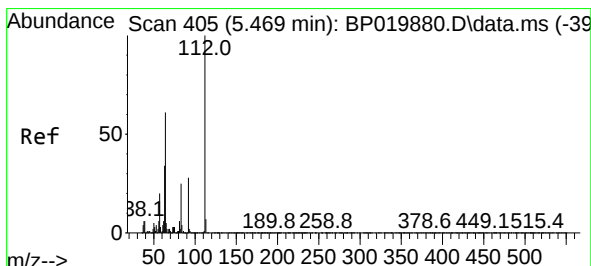
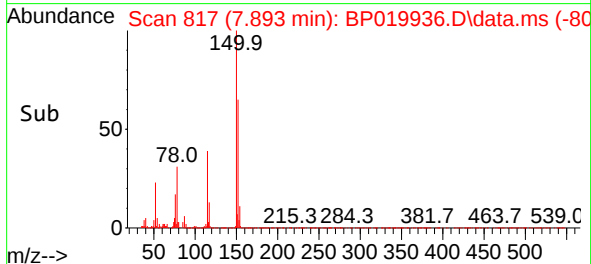
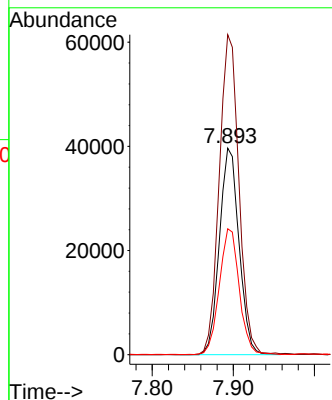
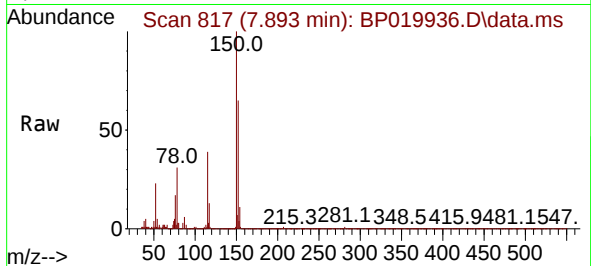
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

Instrument :
BNA_P
ClientSampleId :
WC-2DL

Tgt Ion:152 Resp: 66504
Ion Ratio Lower Upper
152 100
150 154.9 128.6 192.8
115 60.9 53.4 80.2

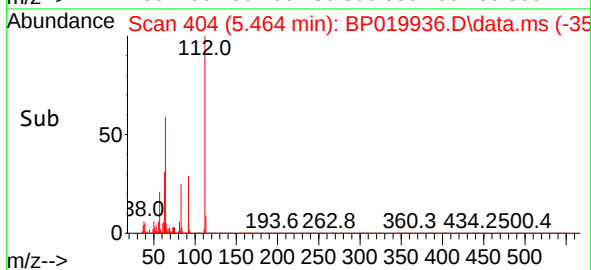
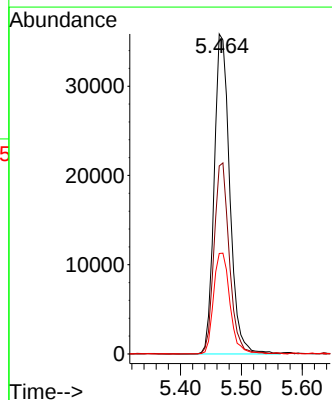
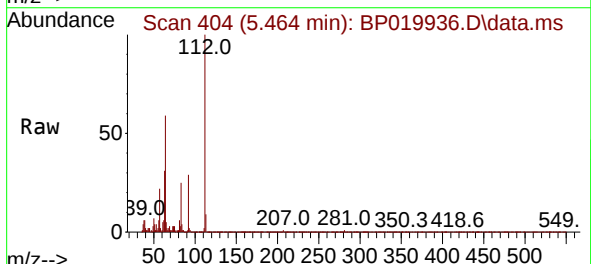
Manual Integrations
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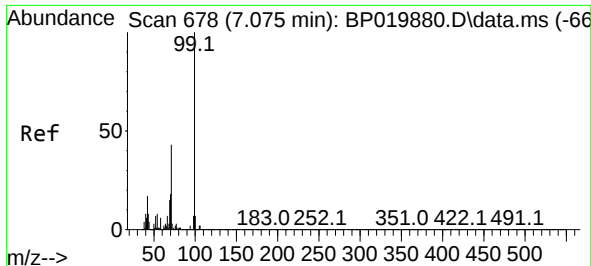
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Supervised By :mohammad ahmed 03/02/2024



#5
2-Fluorophenol
Concen: 15.697 ng
RT: 5.464 min Scan# 404
Delta R.T. -0.017 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

Tgt Ion:112 Resp: 63601
Ion Ratio Lower Upper
112 100
64 58.8 49.0 73.6
63 31.4 27.6 41.4





#7

Phenol-d6

Concen: 14.604 ng

RT: 7.069 min Scan# 61

Delta R.T. -0.017 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

Instrument :

BNA_P

ClientSampleId :

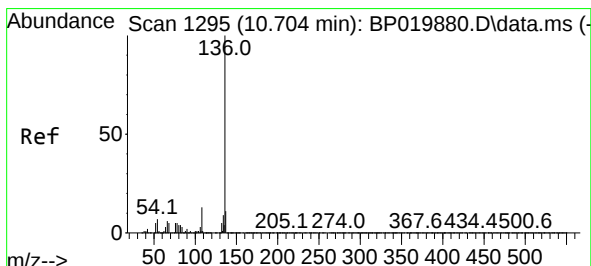
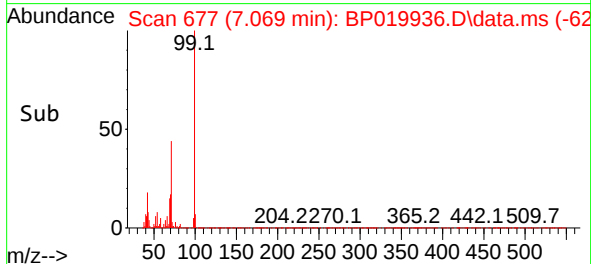
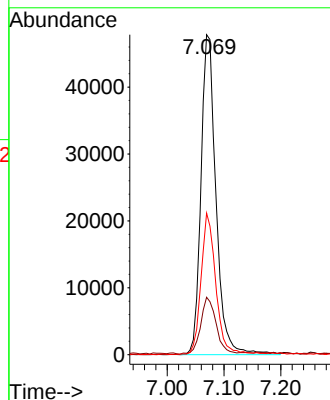
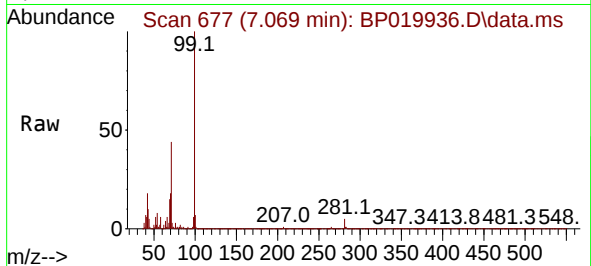
WC-2DL

Tgt Ion: 99	Resp: 8809
Ion Ratio	Lower Upper
99 100	
42 17.9	13.8 20.8
71 44.2	34.5 51.7

Manual Integrations

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Supervised By :mohammad ahmed 03/02/2024



#21

Naphthalene-d8

Concen: 20.000 ng

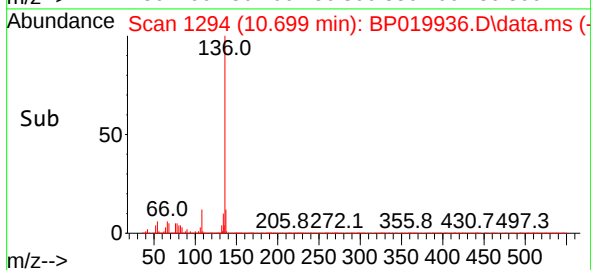
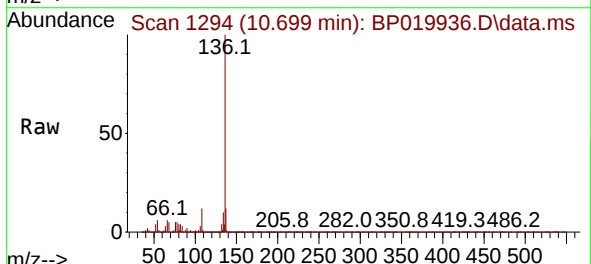
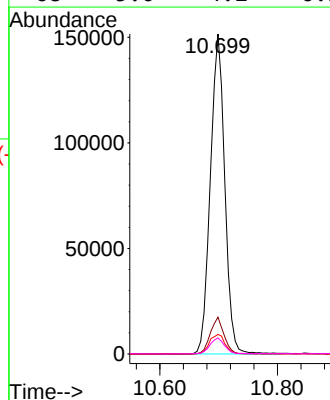
RT: 10.699 min Scan# 1294

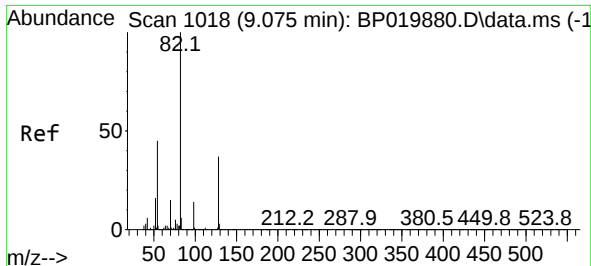
Delta R.T. -0.017 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

Tgt Ion:136	Resp: 257701
Ion Ratio	Lower Upper
136 100	
137 11.5	8.7 13.1
54 6.1	6.0 9.0
68 5.0	4.2 6.2





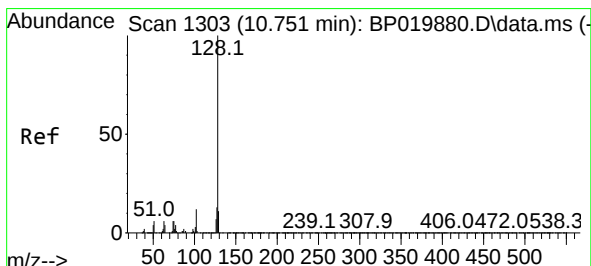
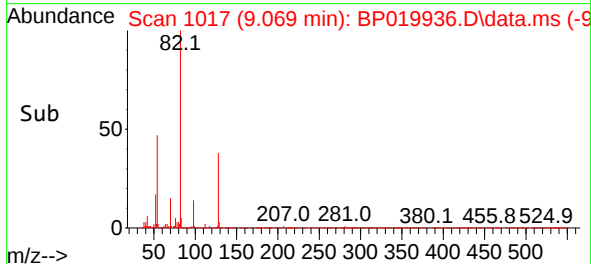
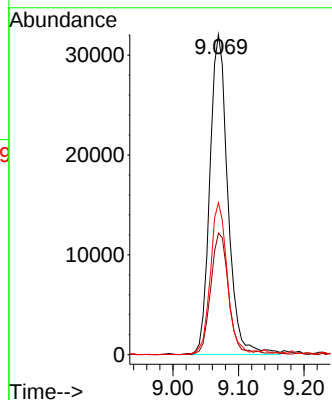
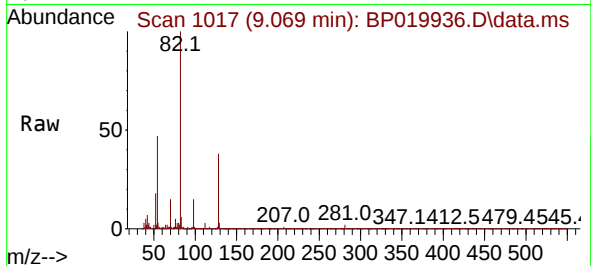
#23
Nitrobenzene-d5
Concen: 9.586 ng
RT: 9.069 min Scan# 1018
Delta R.T. -0.017 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

Instrument :
BNA_P
ClientSampleId :
WC-2DL

Tgt Ion: 82 Resp: 61189
Ion Ratio Lower Upper
82 100
128 38.0 29.6 44.4
54 47.5 36.3 54.5

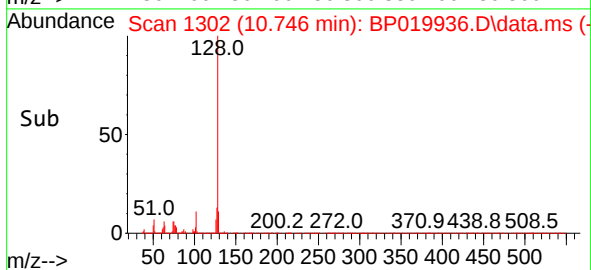
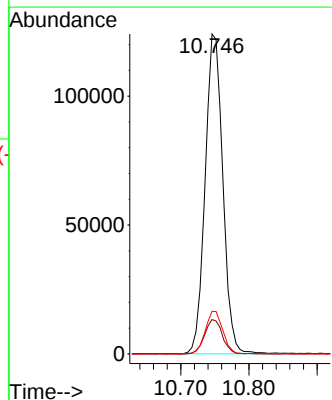
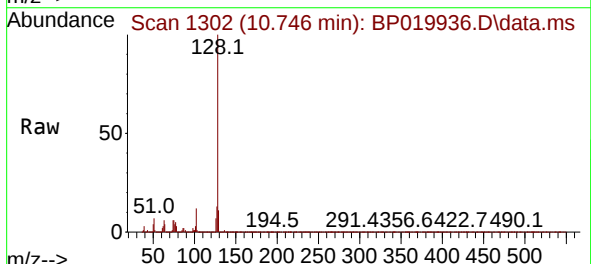
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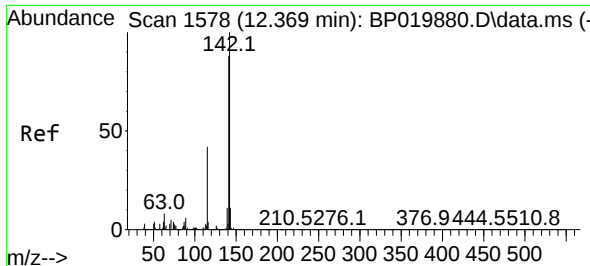
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#31
Naphthalene
Concen: 16.227 ng
RT: 10.746 min Scan# 1302
Delta R.T. -0.023 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

Tgt Ion:128 Resp: 223896
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 13.3 10.2 15.2





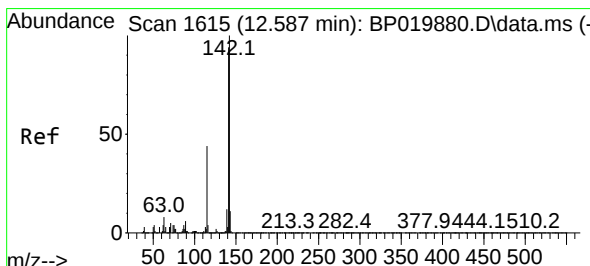
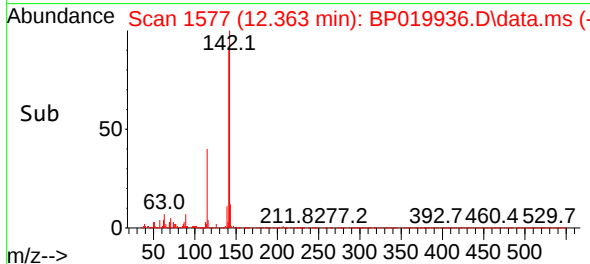
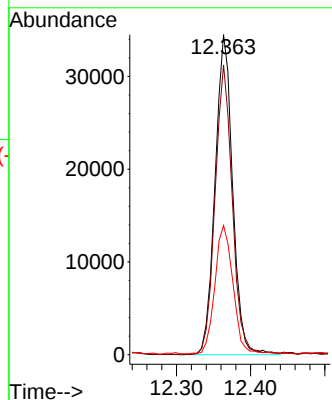
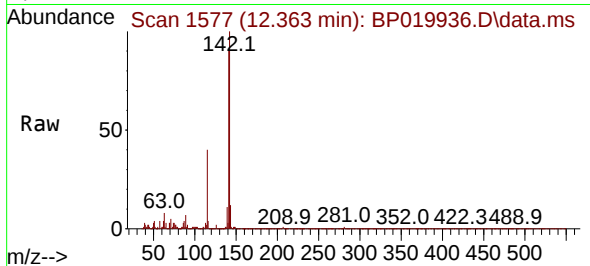
#37
2-Methylnaphthalene
Concen: 5.290 ng
RT: 12.363 min Scan# 11
Delta R.T. -0.017 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

Instrument :
BNA_P
ClientSampleId :
WC-2DL

Tgt Ion:142 Resp: 5665
Ion Ratio Lower Upper
142 100
141 90.5 70.0 105.0
115 40.4 33.7 50.5

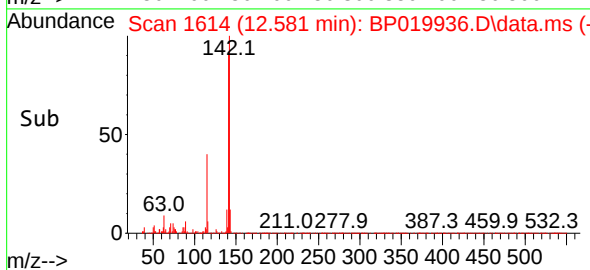
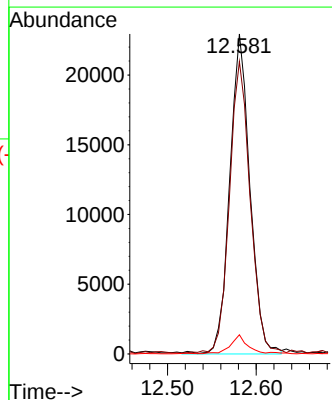
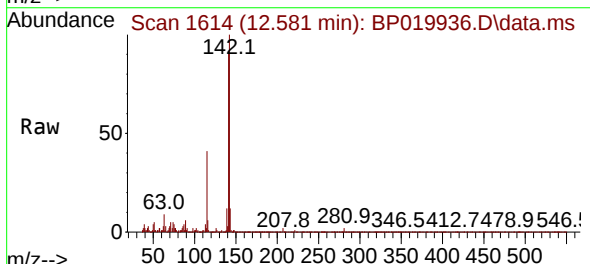
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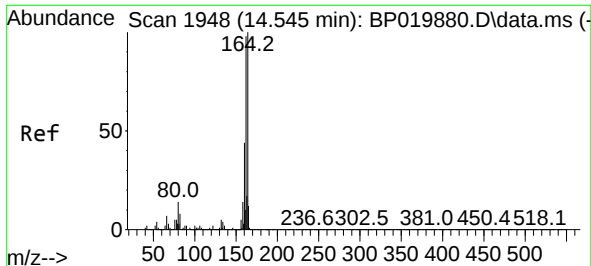
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#38
1-Methylnaphthalene
Concen: 3.590 ng m
RT: 12.581 min Scan# 1614
Delta R.T. -0.017 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

Tgt Ion:142 Resp: 36381
Ion Ratio Lower Upper
142 100
141 91.4 75.5 113.3
116 6.0 3.5 5.3#





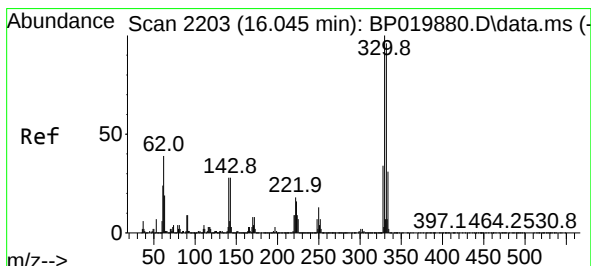
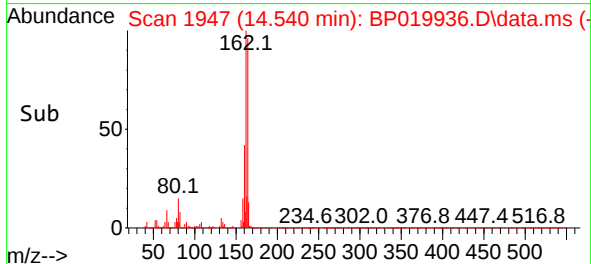
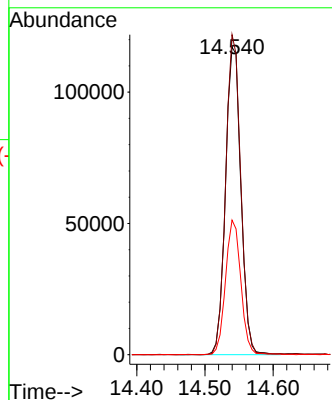
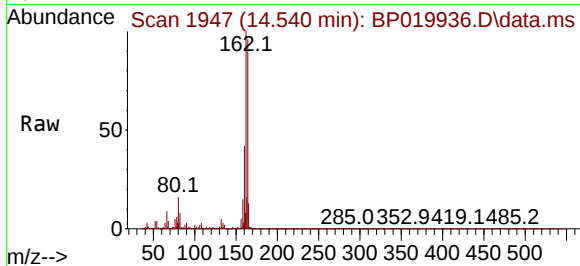
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.540 min Scan# 1948
Delta R.T. -0.017 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

Instrument :
BNA_P
ClientSampleId :
WC-2DL

Tgt Ion:164 Resp: 184375
Ion Ratio Lower Upper
164 100
162 104.1 78.1 117.1
160 43.8 35.3 52.9

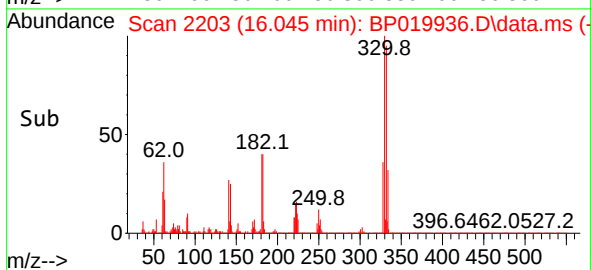
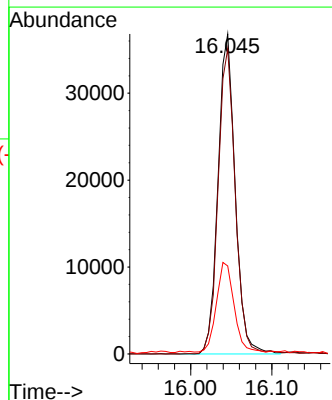
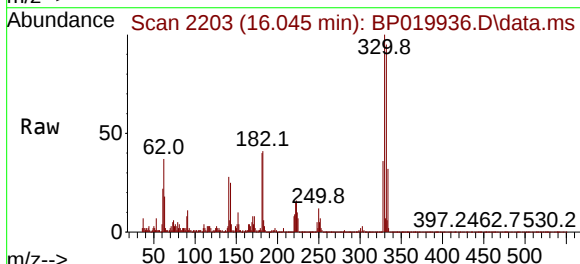
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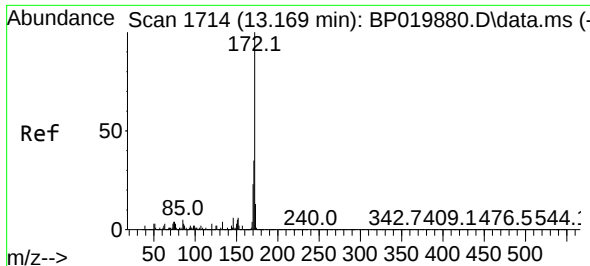
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#42
2,4,6-Tribromophenol
Concen: 17.135 ng
RT: 16.045 min Scan# 2203
Delta R.T. -0.017 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

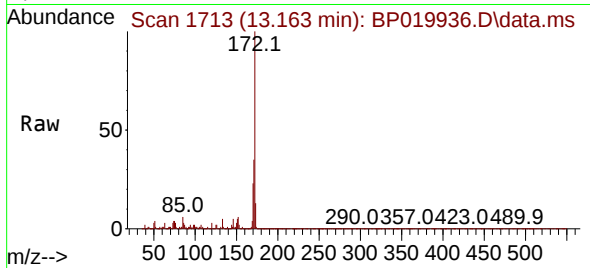
Tgt Ion:330 Resp: 54171
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.2
141 29.1 24.6 37.0





#45
2-Fluorobiphenyl
Concen: 10.079 ng
RT: 13.163 min Scan# 1714
Delta R.T. -0.017 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

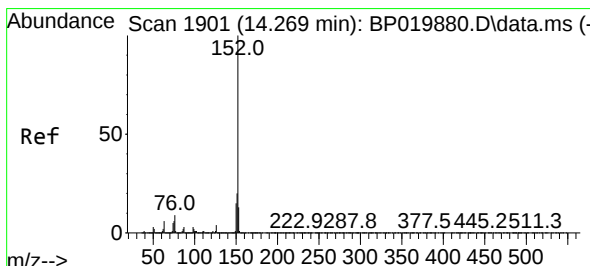
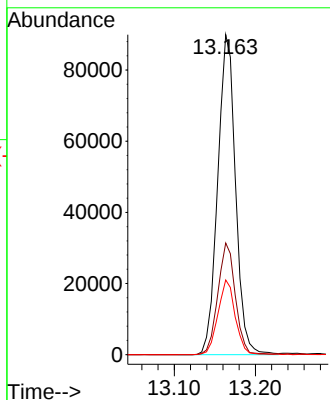
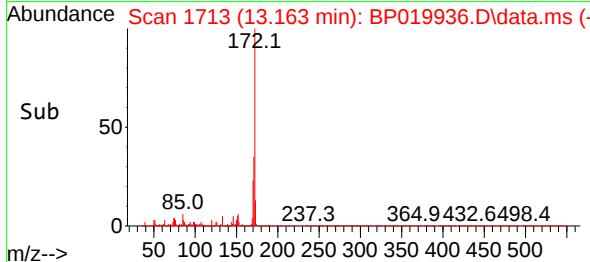
Instrument :
BNA_P
ClientSampleId :
WC-2DL



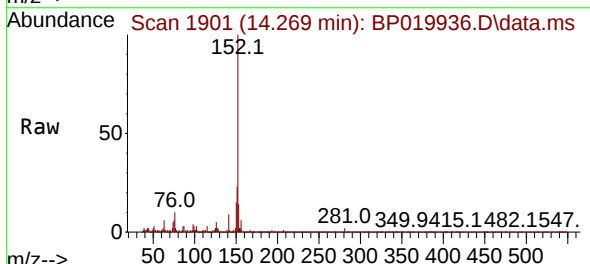
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Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 23.4 18.4 27.6

Manual Integrations
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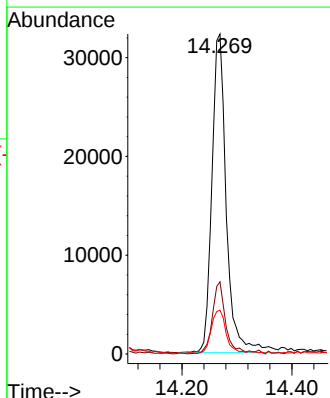
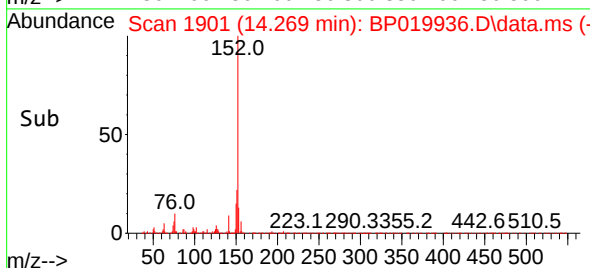
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024

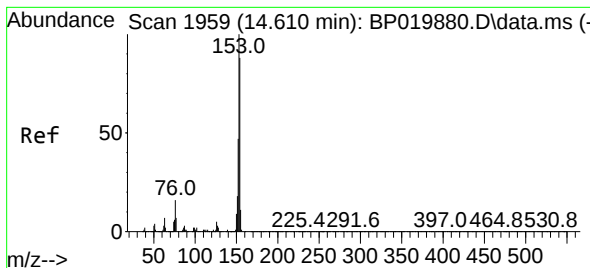


#49
Acenaphthylene
Concen: 3.561 ng
RT: 14.269 min Scan# 1901
Delta R.T. -0.012 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35



Tgt Ion:152 Resp: 59123
Ion Ratio Lower Upper
152 100
151 22.5 15.9 23.9
153 13.7 10.4 15.6





#52

Acenaphthene

Concen: 6.873 ng

RT: 14.604 min Scan# 1959

Delta R.T. -0.017 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

Instrument :

BNA_P

ClientSampleId :

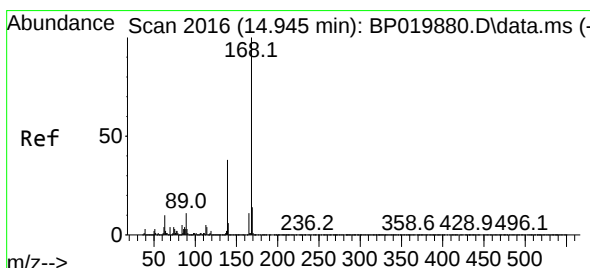
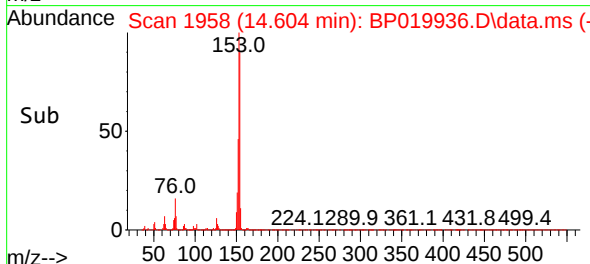
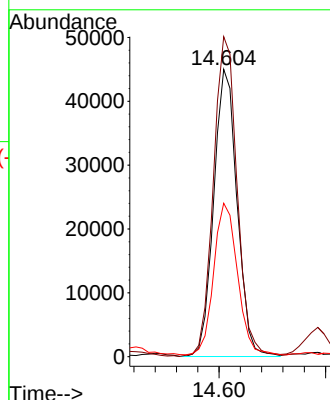
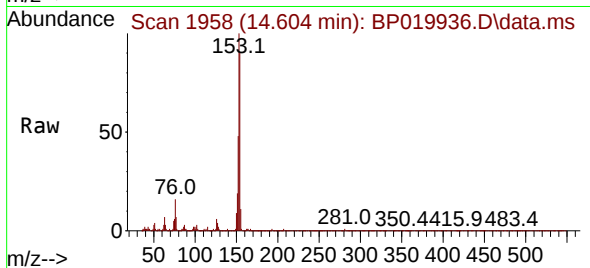
WC-2DL

Tgt Ion:	154	Resp:	68509
Ion Ratio	Lower	Upper	
154	100		
153	111.4	90.9	136.3
152	53.4	42.3	63.5

Manual Integrations

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#55

Dibenzofuran

Concen: 6.549 ng

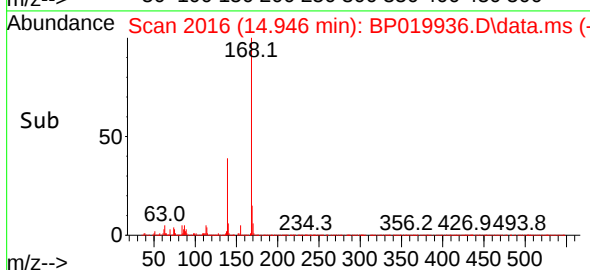
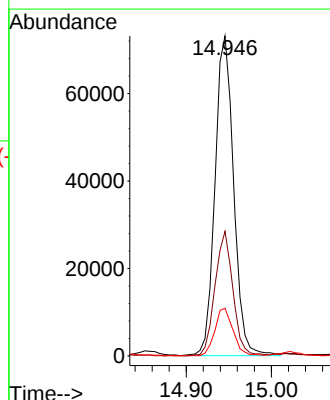
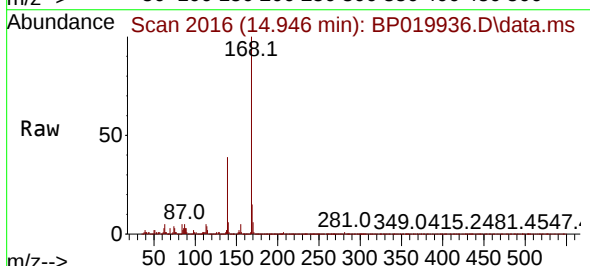
RT: 14.946 min Scan# 2016

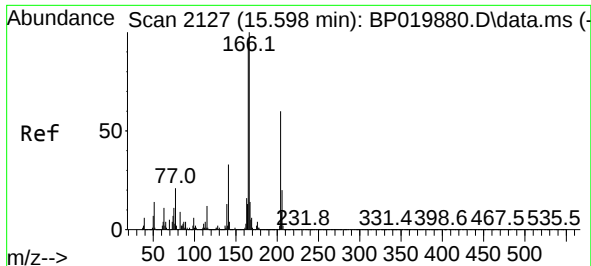
Delta R.T. -0.017 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

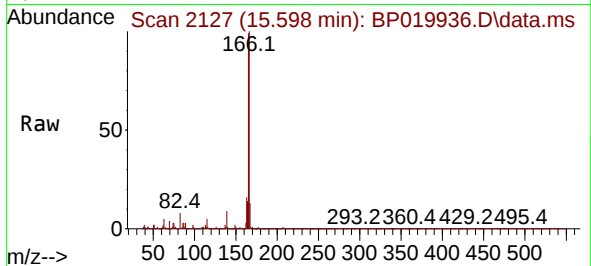
Tgt Ion:	168	Resp:	111414
Ion Ratio	Lower	Upper	
168	100		
139	38.9	30.6	45.8
169	14.9	10.9	16.3





#58
Fluorene
Concen: 11.067 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.017 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

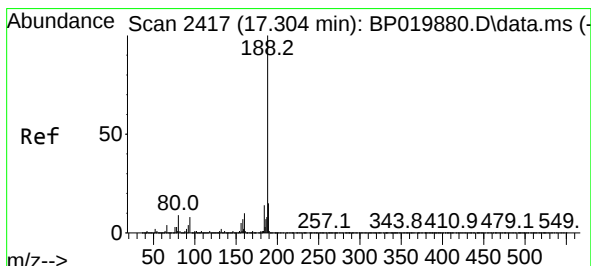
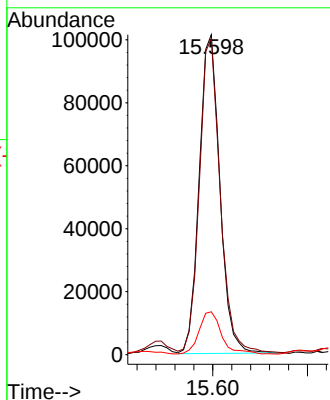
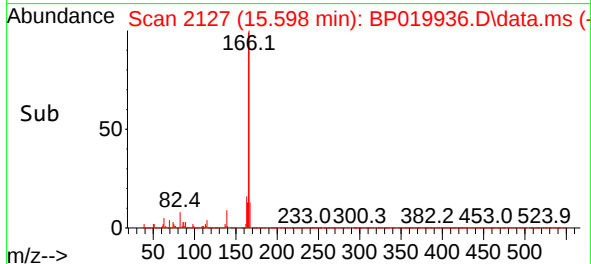
Instrument :
BNA_P
ClientSampleId :
WC-2DL



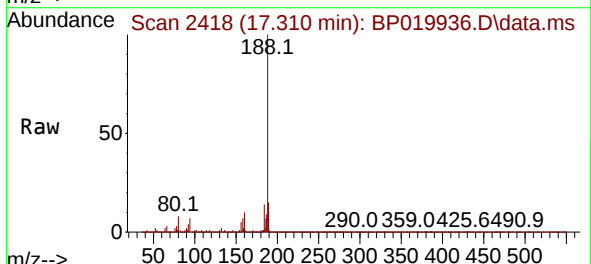
Tgt Ion:166 Resp: 15269
Ion Ratio Lower Upper
166 100
165 98.8 77.8 116.6
167 13.4 10.8 16.2

Manual Integrations
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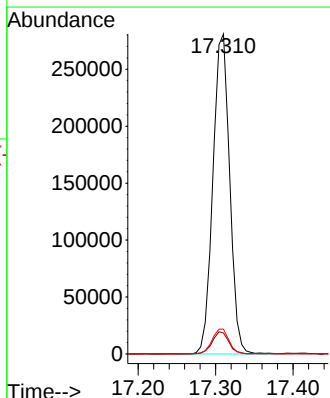
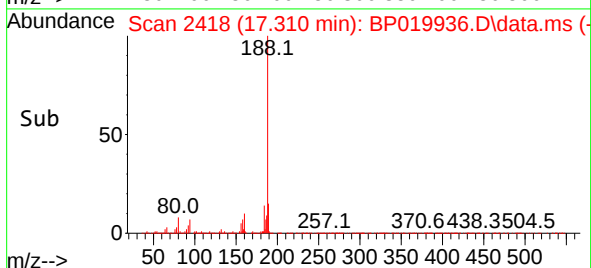
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024

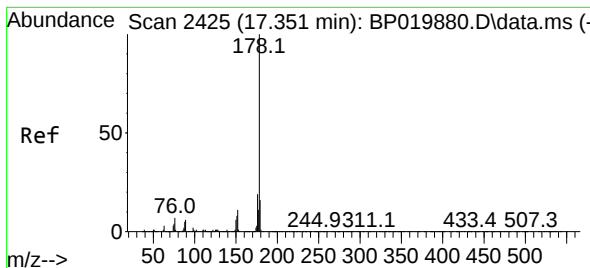


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 2418
Delta R.T. -0.012 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35



Tgt Ion:188 Resp: 422276
Ion Ratio Lower Upper
188 100
94 6.5 6.2 9.4
80 7.8 7.0 10.4





#71

Phenanthrene

Concen: 51.776 ng

RT: 17.351 min Scan# 2425

Delta R.T. -0.017 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

Instrument :

BNA_P

ClientSampleId :

WC-2DL

Tgt Ion:178 Resp: 1167030

Ion Ratio Lower Upper

178 100

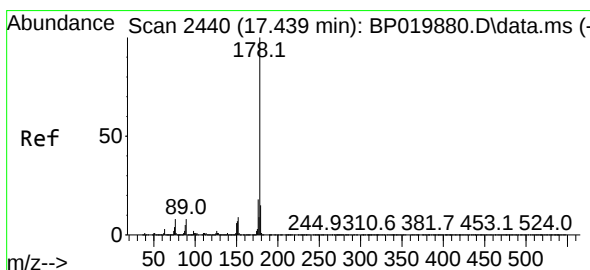
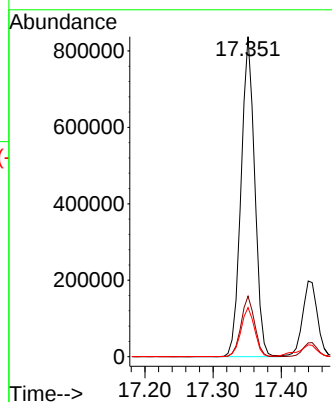
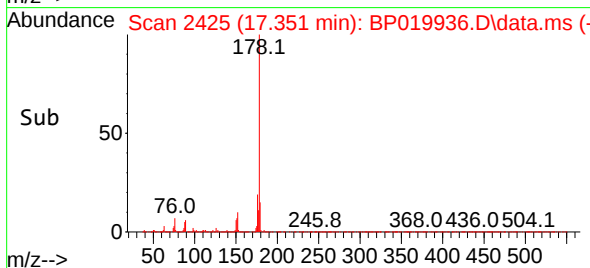
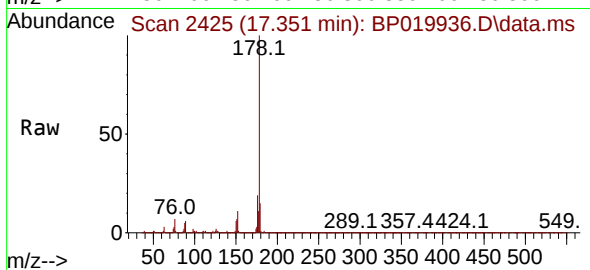
176 18.9 15.2 22.8

179 15.4 12.5 18.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#72

Anthracene

Concen: 12.722 ng

RT: 17.440 min Scan# 2440

Delta R.T. -0.017 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

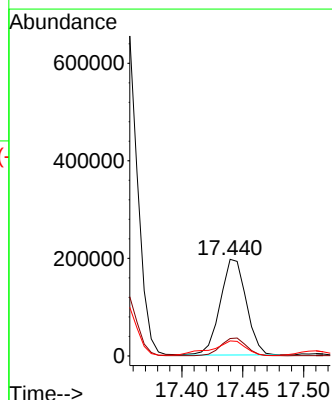
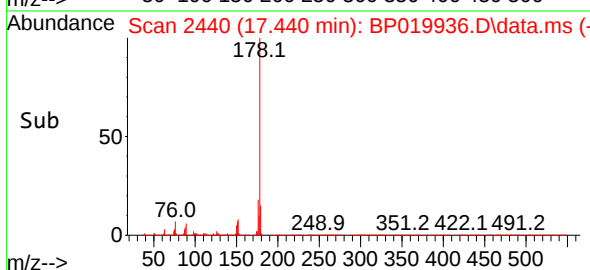
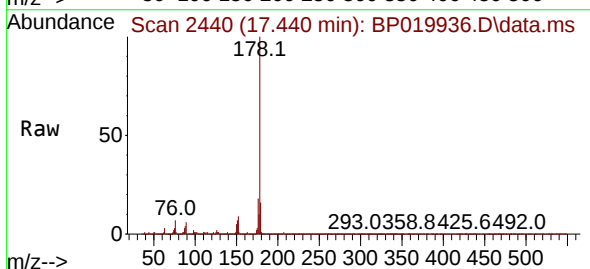
Tgt Ion:178 Resp: 292720

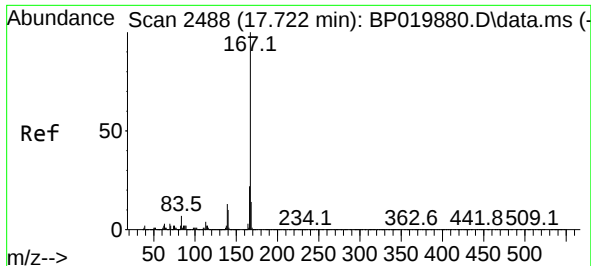
Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

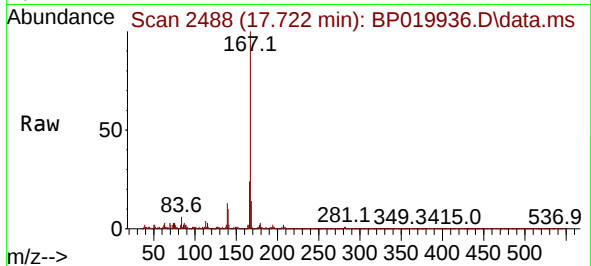
179 15.6 12.2 18.4





#73
 Carbazole
 Concen: 4.989 ng
 RT: 17.722 min Scan# 2488
 Delta R.T. -0.017 min
 Lab File: BP019936.D
 Acq: 29 Feb 2024 14:35

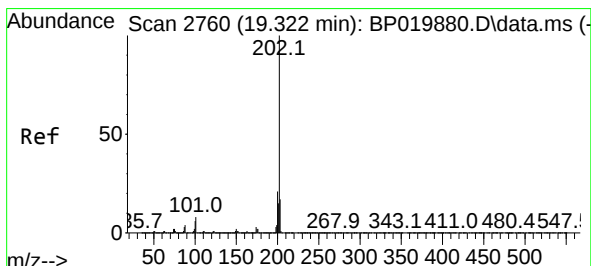
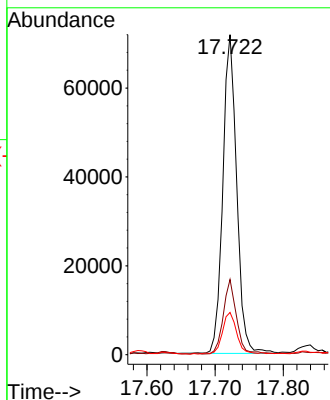
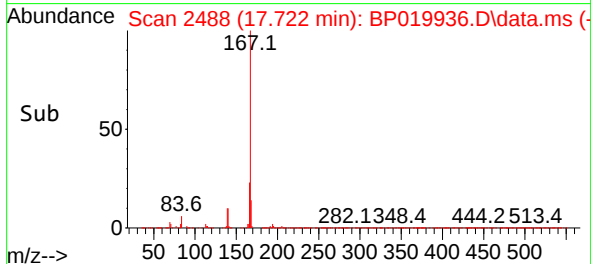
Instrument :
 BNA_P
 ClientSampleId :
 WC-2DL



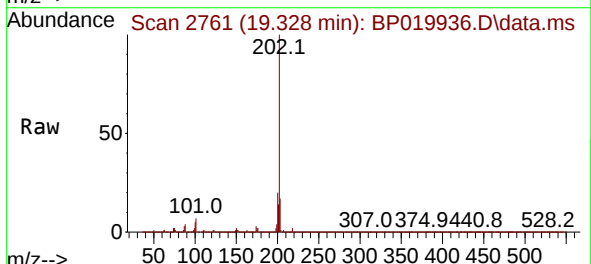
Tgt Ion:167 Resp: 101660
 Ion Ratio Lower Upper
 167 100
 166 23.5 17.3 25.9
 139 13.2 10.5 15.7

Manual Integrations
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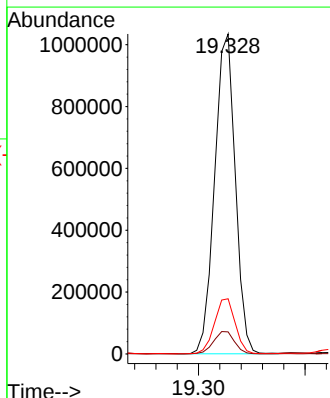
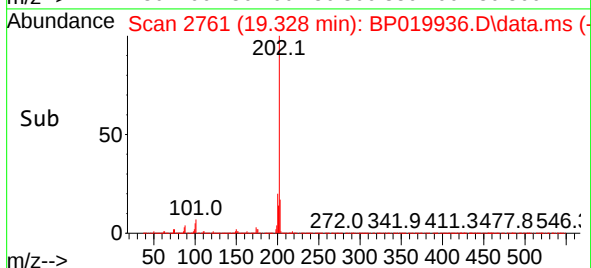
Reviewed By :Jagrut Upadhyay 03/01/2024
 Supervised By :mohammad ahmed 03/02/2024

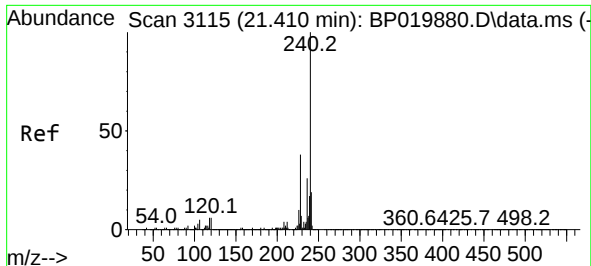


#75
 Fluoranthene
 Concen: 47.476 ng
 RT: 19.328 min Scan# 2761
 Delta R.T. -0.012 min
 Lab File: BP019936.D
 Acq: 29 Feb 2024 14:35



Tgt Ion:202 Resp: 1388757
 Ion Ratio Lower Upper
 202 100
 101 6.9 0.0 27.7
 203 17.3 0.0 37.5





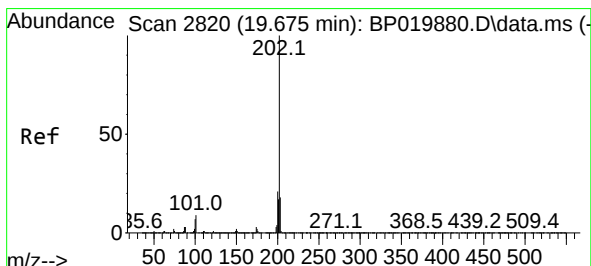
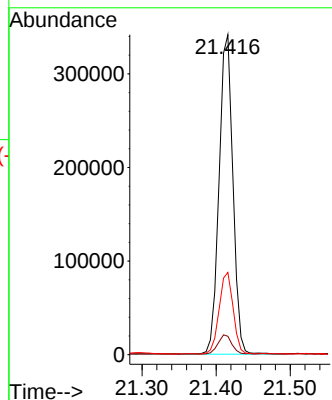
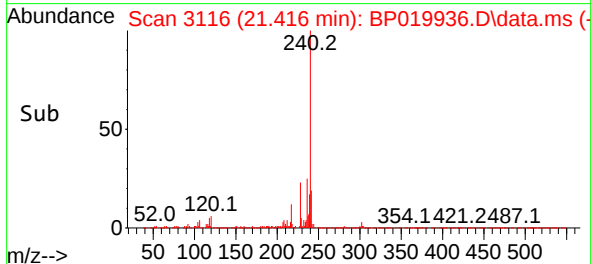
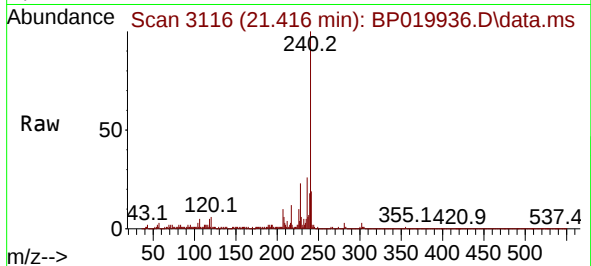
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.416 min Scan# 3115
Delta R.T. -0.012 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

Instrument :
BNA_P
ClientSampleId :
WC-2DL

Tgt Ion:240 Resp: 443515
Ion Ratio Lower Upper
240 100
120 5.8 5.1 7.7
236 25.7 20.5 30.7

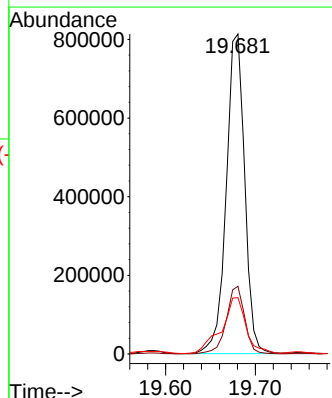
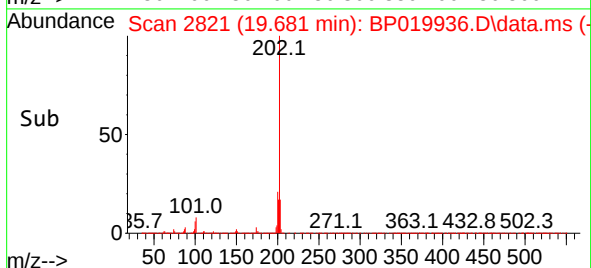
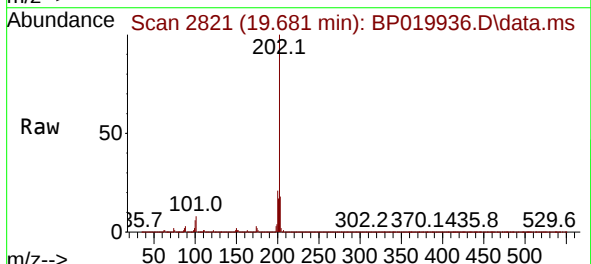
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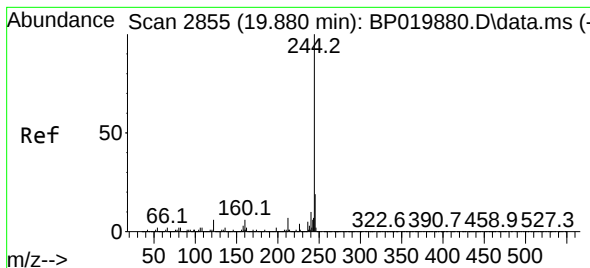
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#78
Pyrene
Concen: 37.999 ng
RT: 19.681 min Scan# 2821
Delta R.T. -0.012 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

Tgt Ion:202 Resp: 1157911
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 9.297 ng

RT: 19.875 min Scan# 21

Delta R.T. -0.017 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

Instrument :

BNA_P

ClientSampleId :

WC-2DL

Tgt Ion:244 Resp: 26160

Ion Ratio Lower Upper

244 100

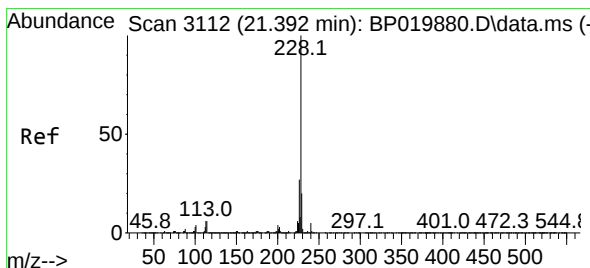
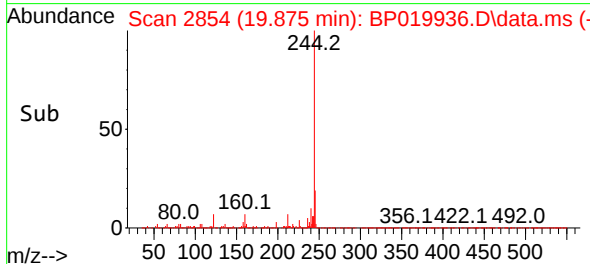
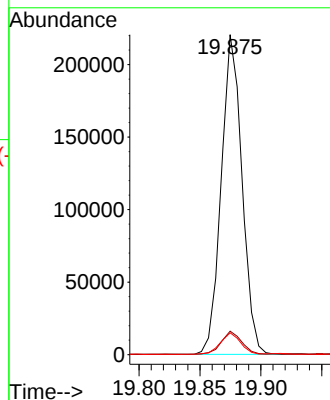
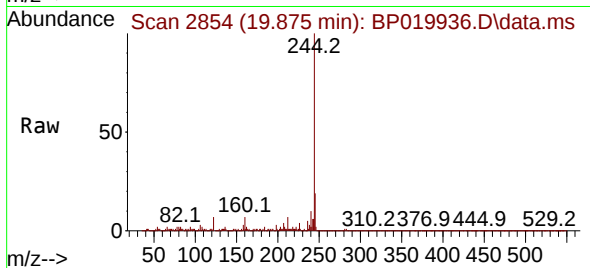
212 7.4 5.8 8.8

122 6.8 5.0 7.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#81

Benzo(a)anthracene

Concen: 20.988 ng

RT: 21.398 min Scan# 3113

Delta R.T. -0.012 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

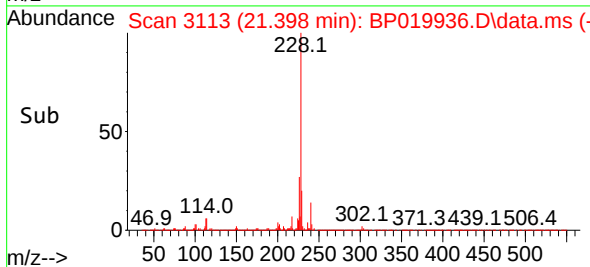
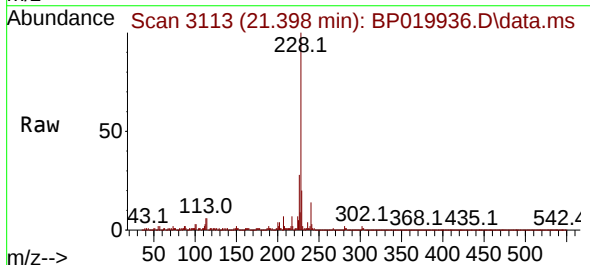
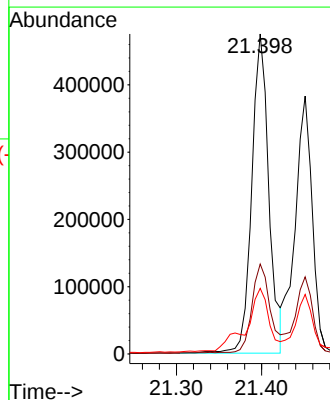
Tgt Ion:228 Resp: 660736

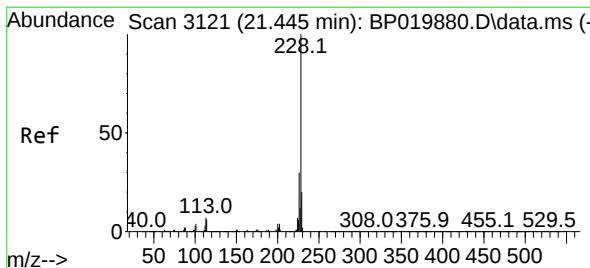
Ion Ratio Lower Upper

228 100

226 28.1 21.5 32.3

229 20.5 15.6 23.4





#83

Chrysene

Concen: 18.136 ng

RT: 21.451 min Scan# 3121

Delta R.T. -0.017 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

Instrument :

BNA_P

ClientSampleId :

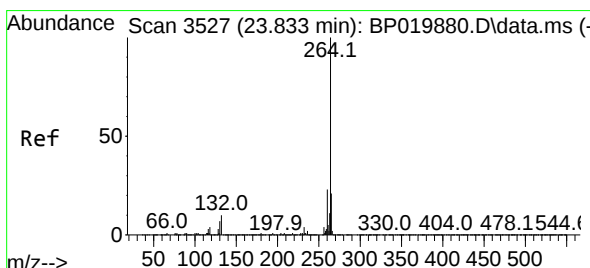
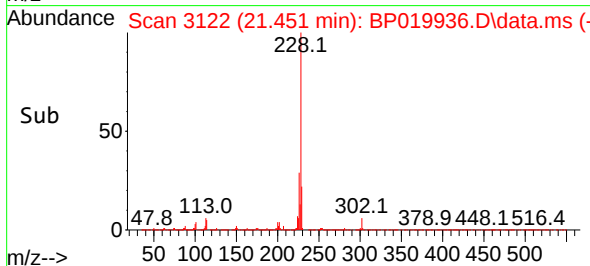
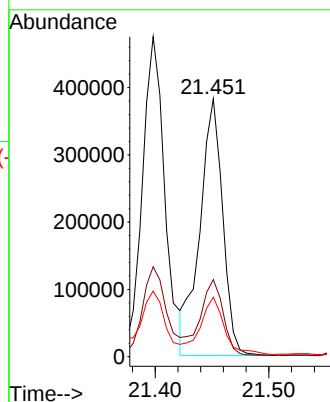
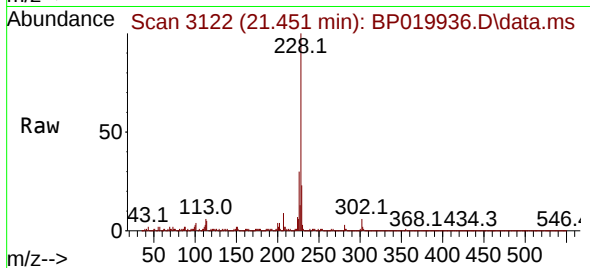
WC-2DL

Tgt Ion:	228	Resp:	53501
Ion Ratio	Lower	Upper	
228	100		
226	29.9	23.9	35.9
229	23.1	15.7	23.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#86

Perylene-d12

Concen: 20.000 ng

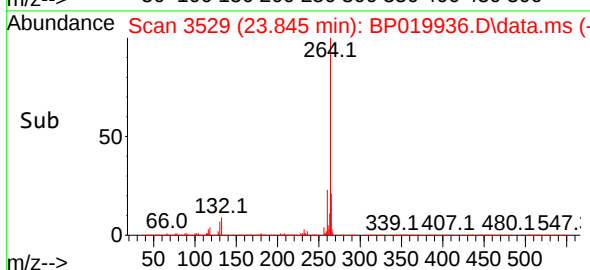
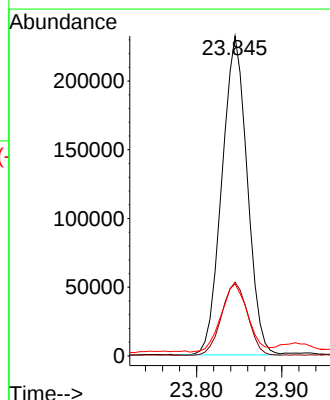
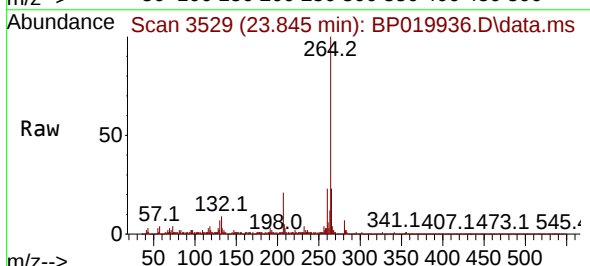
RT: 23.845 min Scan# 3529

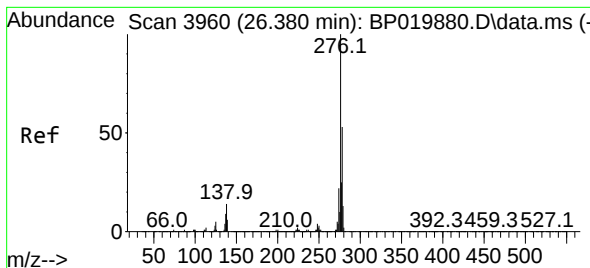
Delta R.T. -0.023 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

Tgt Ion:	264	Resp:	478654
Ion Ratio	Lower	Upper	
264	100		
260	23.1	18.7	28.1
265	22.5	17.4	26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.544 ng

RT: 26.392 min Scan# 3403

Delta R.T. -0.053 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

Instrument :

BNA_P

ClientSampleId :

WC-2DL

Tgt Ion:276 Resp: 287890

Ion Ratio Lower Upper

276 100

138 11.2 11.7 17.5

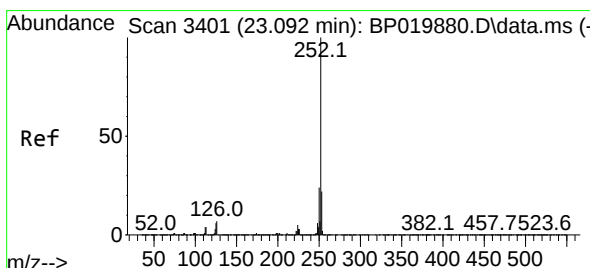
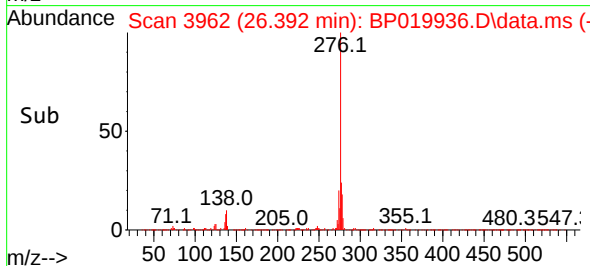
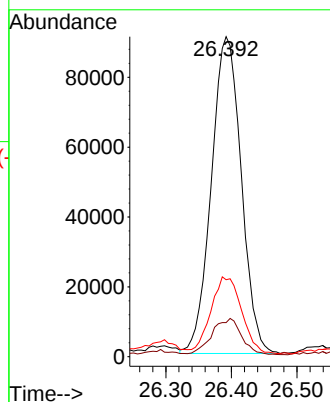
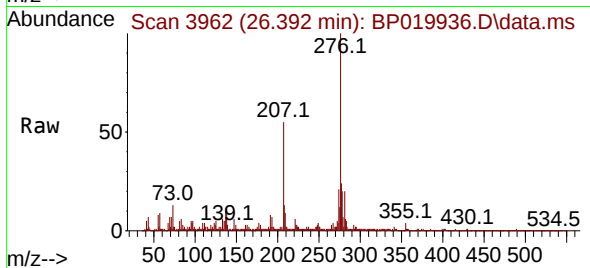
277 24.8 20.2 30.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/01/2024

Supervised By :mohammad ahmed 03/02/2024



#88

Benzo(b)fluoranthene

Concen: 24.065 ng

RT: 23.104 min Scan# 3403

Delta R.T. -0.017 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

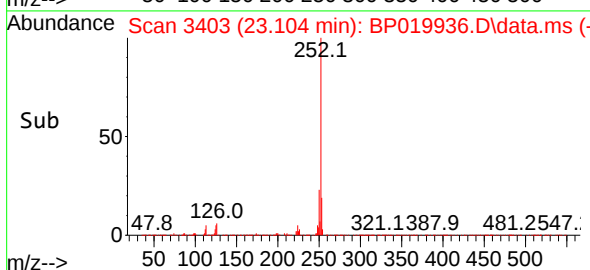
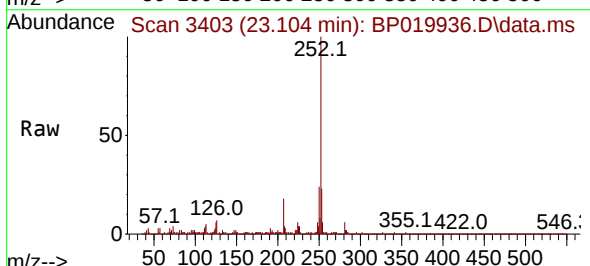
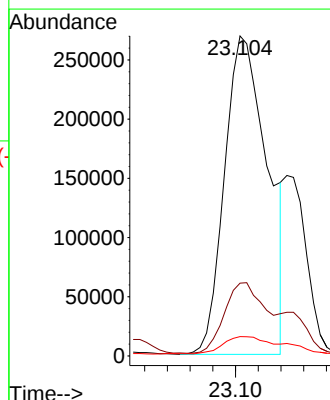
Tgt Ion:252 Resp: 706193

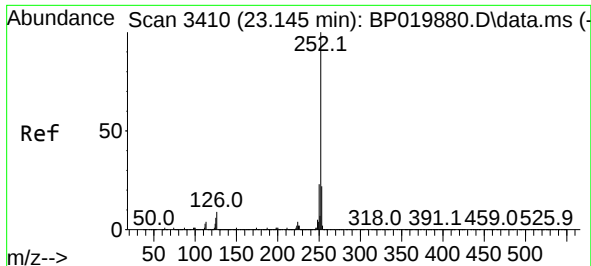
Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

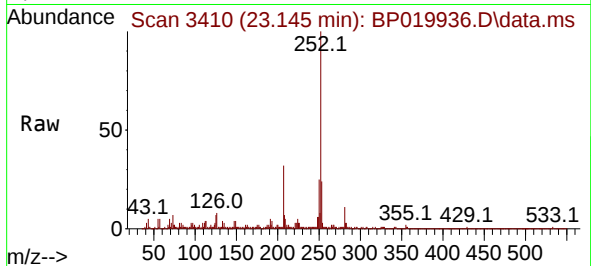
125 6.1 4.6 7.0





#89
Benzo(k)fluoranthene
Concen: 9.015 ng m
RT: 23.145 min Scan# 3410
Delta R.T. -0.029 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

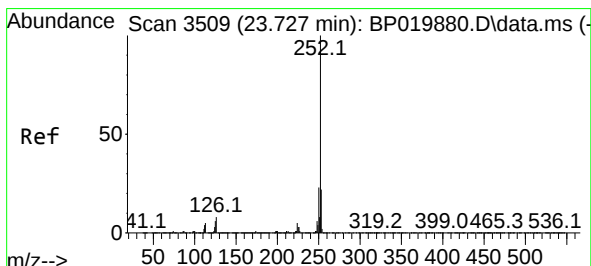
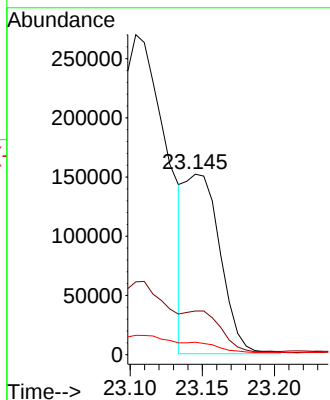
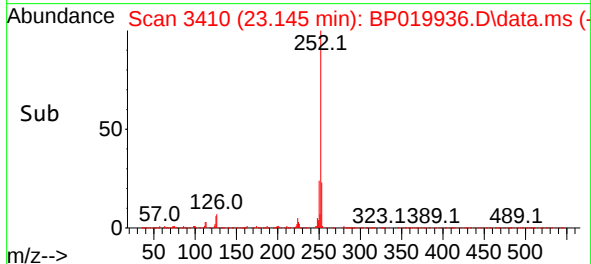
Instrument :
BNA_P
ClientSampleId :
WC-2DL



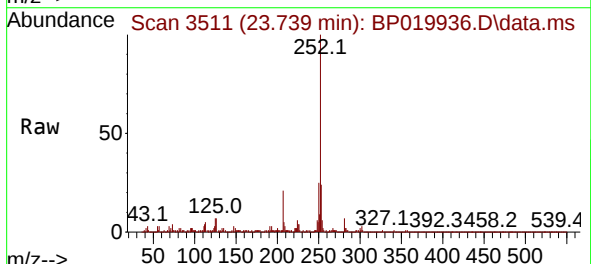
Tgt Ion:252 Resp: 259464
Ion Ratio Lower Upper
252 100
253 24.2 17.3 25.9
125 6.9 4.6 6.8

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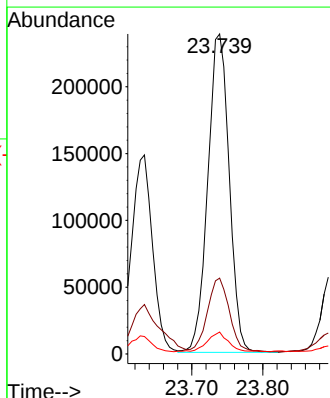
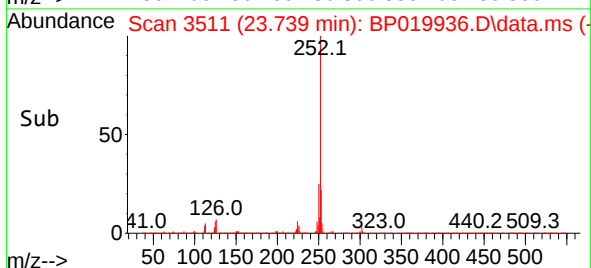
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024

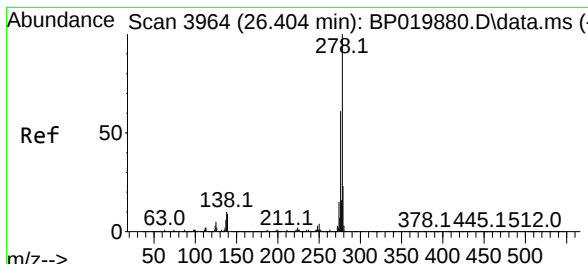


#90
Benzo(a)pyrene
Concen: 17.786 ng
RT: 23.739 min Scan# 3511
Delta R.T. -0.023 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35



Tgt Ion:252 Resp: 498795
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 6.8 5.2 7.8





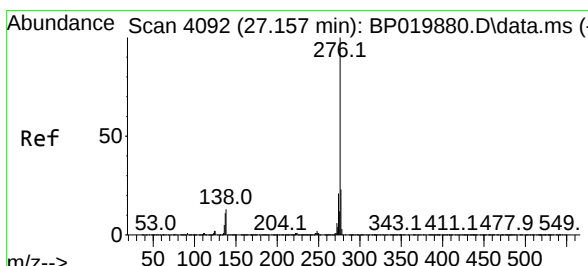
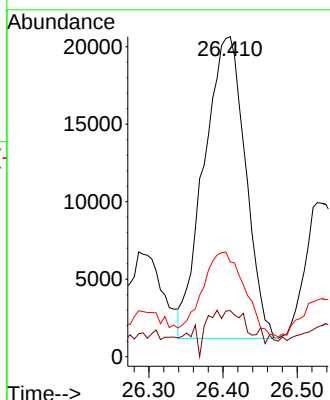
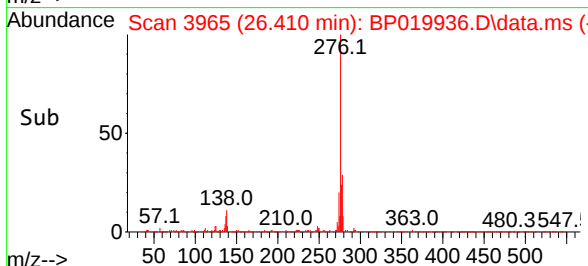
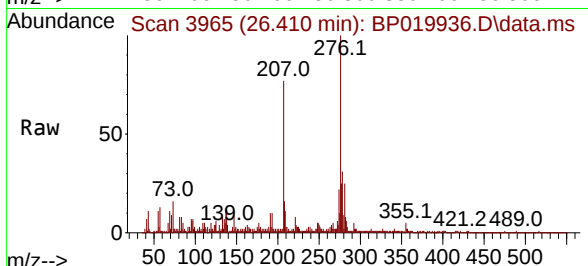
#91
 Dibenzo(a,h)anthracene
 Concen: 2.663 ng
 RT: 26.410 min Scan# 3965
 Delta R.T. -0.053 min
 Lab File: BP019936.D
 Acq: 29 Feb 2024 14:35

Instrument : BNA_P
 ClientSampleId : WC-2DL

Tgt Ion:	278	Resp:	75450
Ion Ratio	Lower	Upper	
278	100		
139	14.4	7.4	11.0
279	29.7	18.7	28.1

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/01/2024
 Supervised By :mohammad ahmed 03/02/2024



#92
 Benzo(g,h,i)perylene
 Concen: 9.364 ng
 RT: 27.174 min Scan# 4095
 Delta R.T. -0.053 min
 Lab File: BP019936.D
 Acq: 29 Feb 2024 14:35

Tgt Ion:	276	Resp:	256066
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.5	27.7
138	11.7	10.2	15.2

