

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022924\
 Data File : BP019935.D
 Acq On : 29 Feb 2024 14:01
 Operator : MA/JU
 Sample : P1544-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VNJ218

Manual Integrations APPROVED

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

Quant Time: Feb 29 14:31:20 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	79584	20.000	ng	-0.02
21) Naphthalene-d8	10.699	136	307747	20.000	ng	-0.02
39) Acenaphthene-d10	14.545	164	217700	20.000	ng	-0.01
64) Phenanthrene-d10	17.310	188	497485	20.000	ng	-0.01
76) Chrysene-d12	21.422	240	501843	20.000	ng	0.00
86) Perylene-d12	23.857	264	484609	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	524693	108.215	ng	-0.01
7) Phenol-d6	7.075	99	710614	98.438	ng	-0.01
23) Nitrobenzene-d5	9.069	82	492452	64.602	ng	-0.02
42) 2,4,6-Tribromophenol	16.045	330	455239	121.956	ng	-0.02
45) 2-Fluorobiphenyl	13.169	172	1172270	72.754	ng	-0.01
79) Terphenyl-d14	19.886	244	2196178	68.976	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.263	152	159957	8.160	ng	99
52) Acenaphthene	14.604	154	29762	2.529	ng	100
58) Fluorene	15.598	166	39838	2.445	ng	91
60) Diethylphthalate	15.375	149	300477	17.114	ng	99
71) Phenanthrene	17.351	178	382108	14.390	ng	99
72) Anthracene	17.445	178	243512	8.983	ng	99
73) Carbazole	17.722	167	82926	3.454	ng	# 92
75) Fluoranthene	19.351	202	15588262	452.336	ng	93
78) Pyrene	19.704	202	12432828	360.585	ng	97
81) Benzo(a)anthracene	21.410	228	4357131	122.314	ng	98
83) Chrysene	21.463	228	2474130	74.121	ng	97
87) Indeno(1,2,3-cd)pyrene	26.410	276	454686	13.327	ng	97
88) Benzo(b)fluoranthene	23.121	252	2418597	81.404	ng	98
89) Benzo(k)fluoranthene	23.163	252	858524m	29.464	ng	
90) Benzo(a)pyrene	23.751	252	1147772	40.424	ng	99
91) Dibenzo(a,h)anthracene	26.410	278	154096	5.373	ng	# 91
92) Benzo(g,h,i)perylene	27.192	276	342432	12.368	ng	98

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

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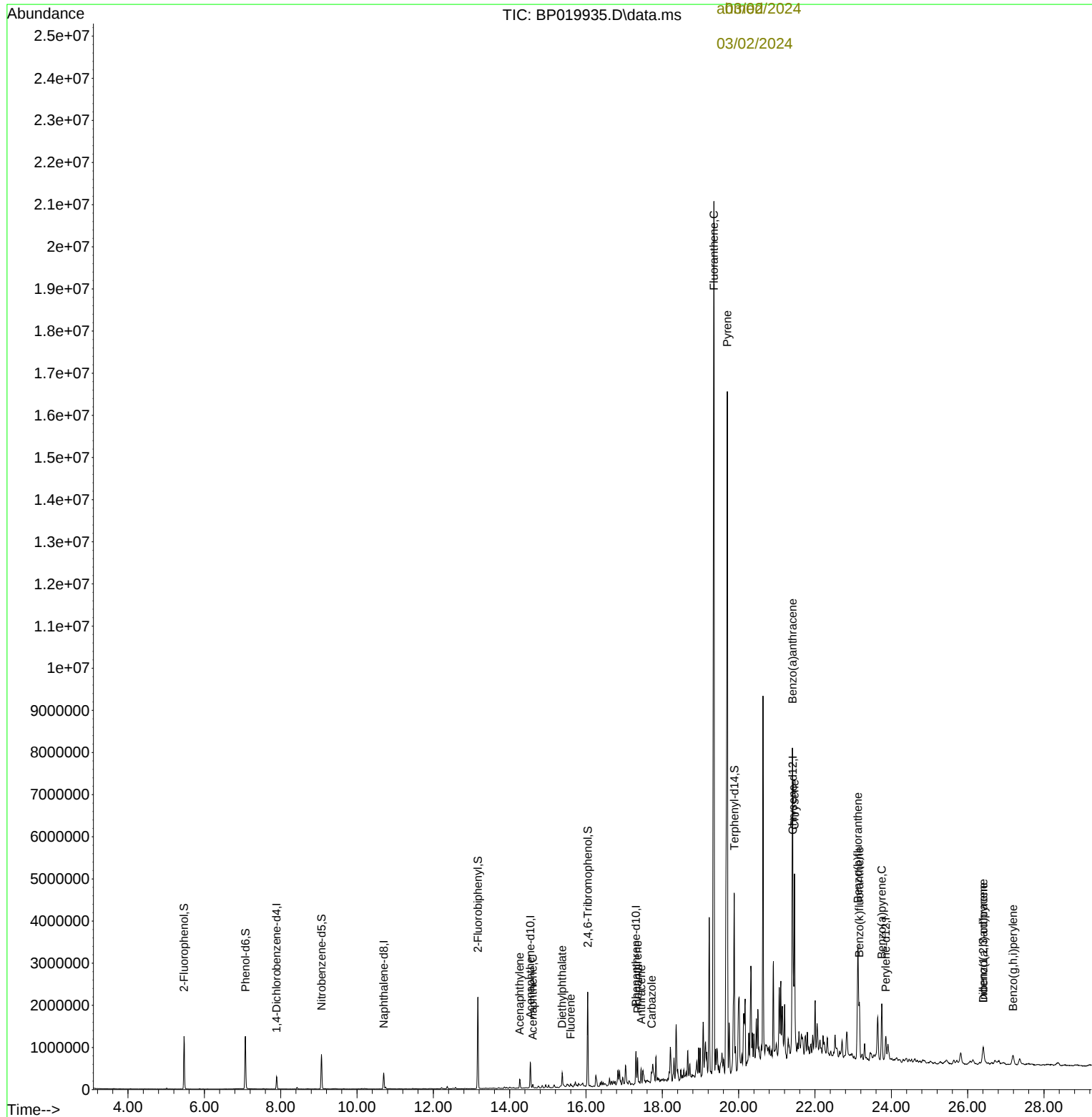
Instrument :
BNA_P
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VNJ218

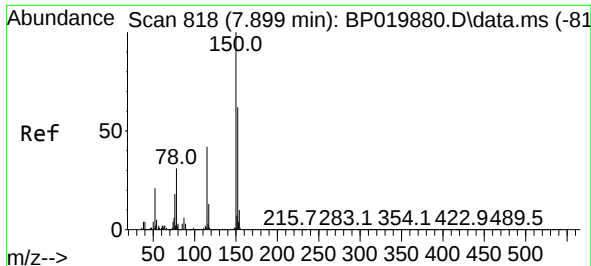
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 03/02/2024

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad
03/02/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 818
Delta R.T. -0.017 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

Instrument :
BNA_P
ClientSampleId :
VNJ218

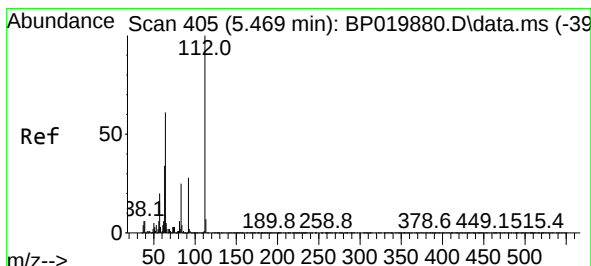
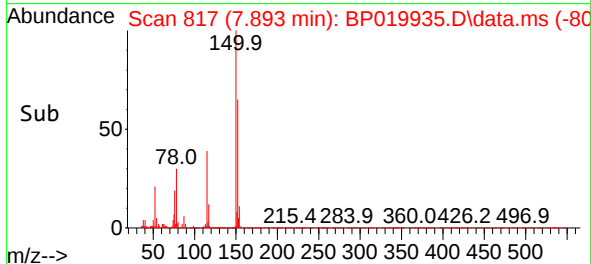
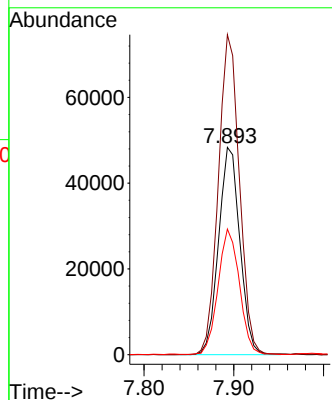
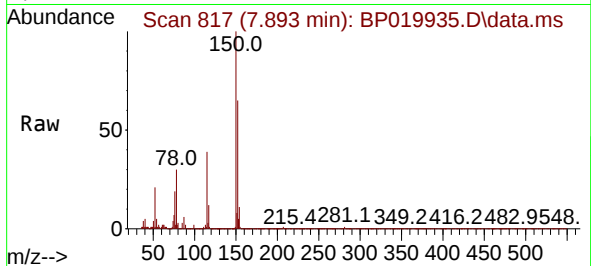
Tgt Ion:152 Resp: 79584
Ion Ratio Lower Upper
152 100
150 154.4 128.6 192.8
115 60.6 53.4 80.2

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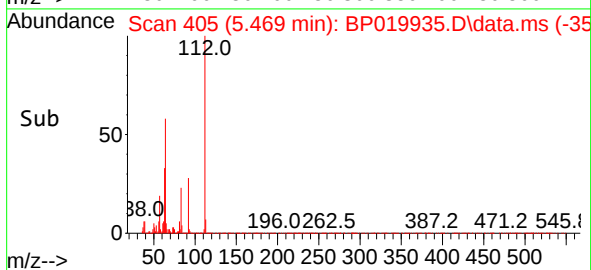
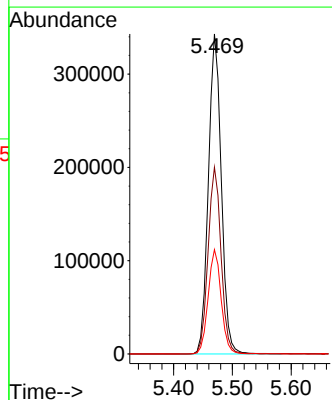
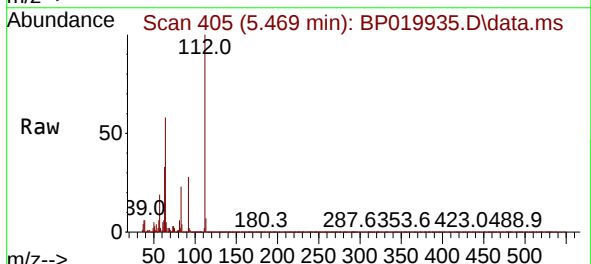
Supervised By :mohammad
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03/02/2024

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#5
2-Fluorophenol
Concen: 108.215 ng
RT: 5.469 min Scan# 405
Delta R.T. -0.012 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

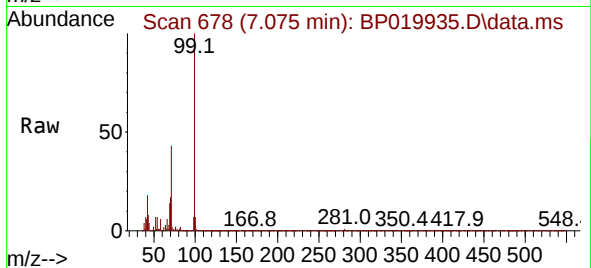
Tgt Ion:112 Resp: 524693
Ion Ratio Lower Upper
112 100
64 58.4 49.0 73.6
63 32.6 27.6 41.4





#7
Phenol-d6
Concen: 98.438 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

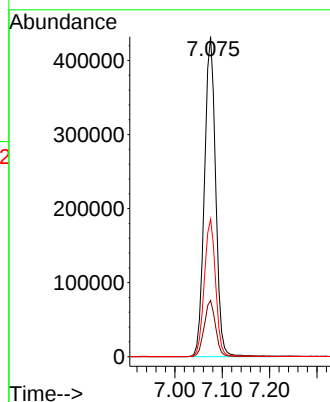
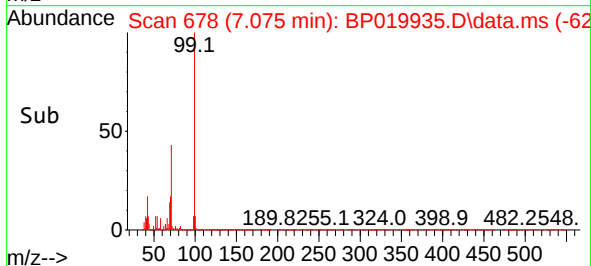
Instrument :
BNA_P
ClientSampleId :
VNJ218



Tgt Ion: 99 Resp: 710614
Ion Ratio Lower Upper
99 100
42 17.5 13.8 20.8
71 43.0 34.5 51.7

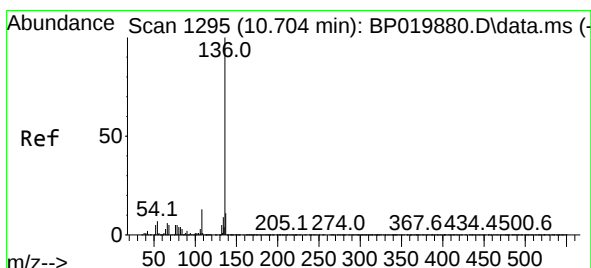
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Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024

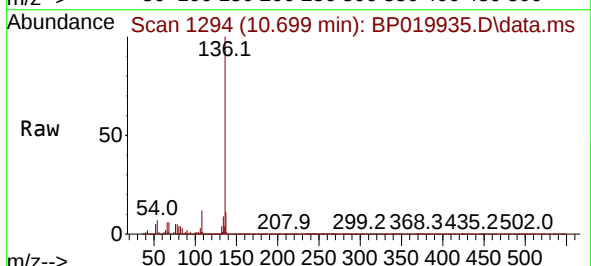


Supervised By :mohammad
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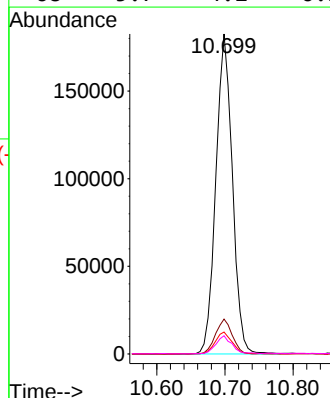
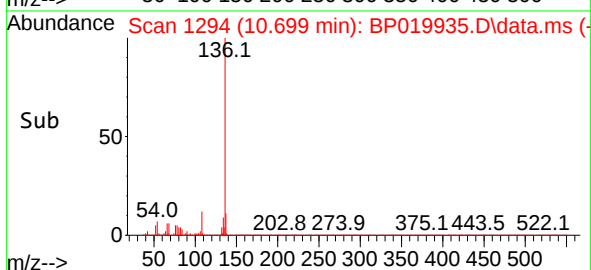
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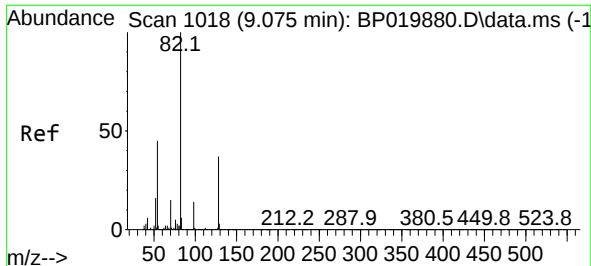


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.699 min Scan# 1294
Delta R.T. -0.018 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01



Tgt Ion:136 Resp: 307747
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 6.8 6.0 9.0
68 5.7 4.2 6.2





#23
Nitrobenzene-d5
Concen: 64.602 ng
RT: 9.069 min Scan# 1018
Delta R.T. -0.018 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

Instrument :
BNA_P
ClientSampleId :
VNJ218

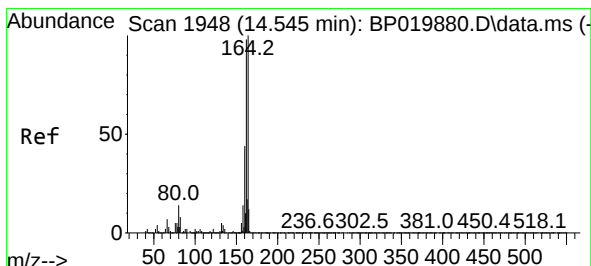
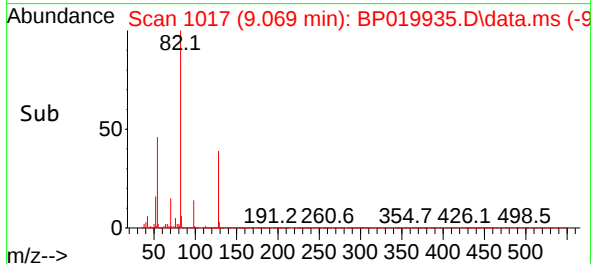
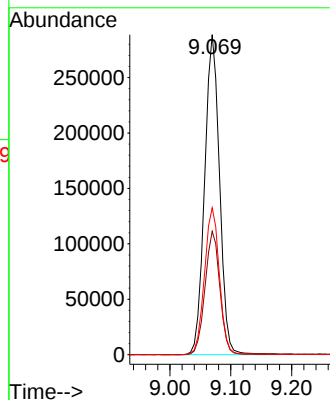
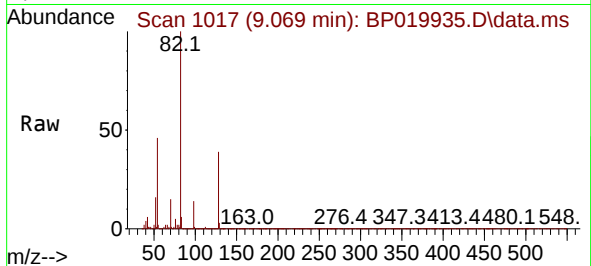
Tgt Ion: 82 Resp: 49245
Ion Ratio Lower Upper
82 100
128 38.6 29.6 44.4
54 45.9 36.3 54.5

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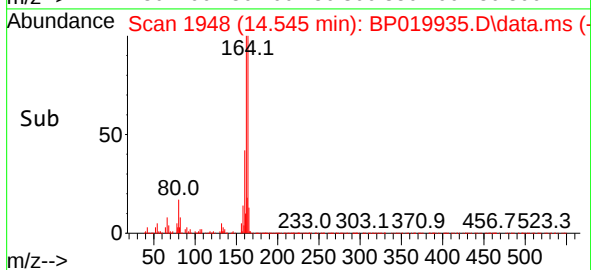
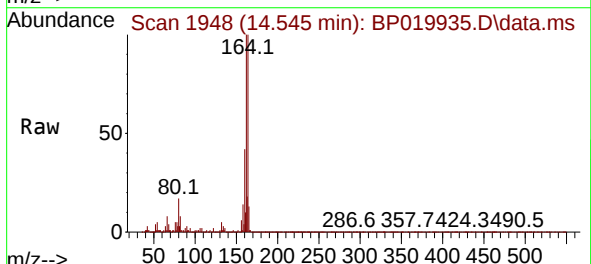
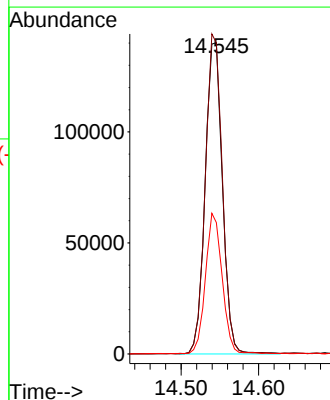
Supervised By :mohammad
a03/02/2024

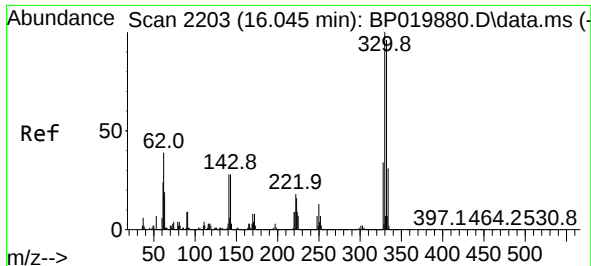
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

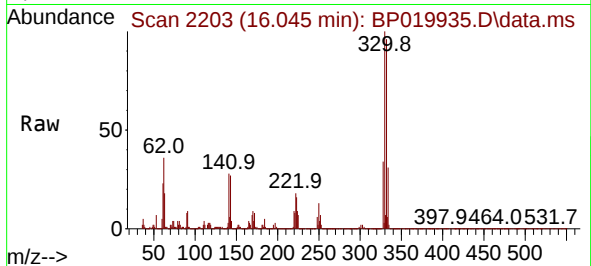
Tgt Ion:164 Resp: 217700
Ion Ratio Lower Upper
164 100
162 100.0 78.1 117.1
160 42.2 35.3 52.9





#42
2,4,6-Tribromophenol
Concen: 121.956 ng
RT: 16.045 min Scan# 2203
Delta R.T. -0.018 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

Instrument :
BNA_P
ClientSampleId :
VNJ218

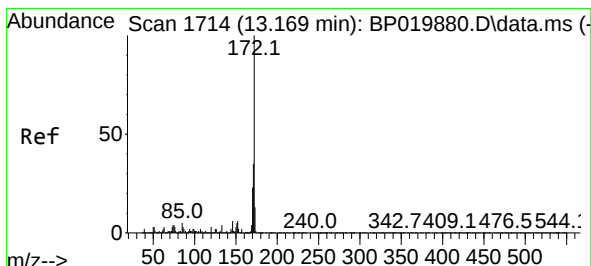
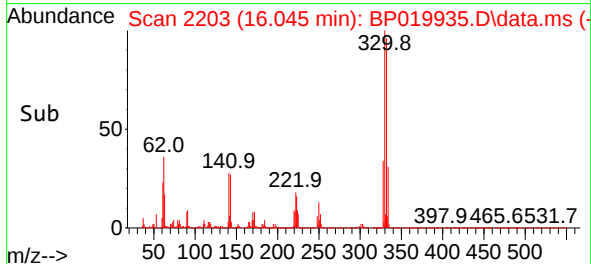
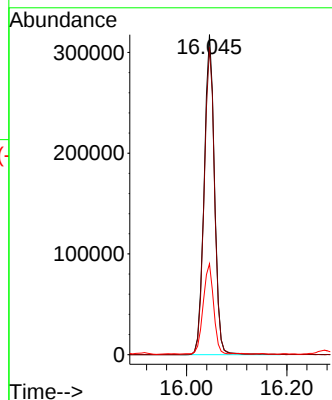


Tgt Ion:330 Resp: 455239
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.2
141 28.4 24.6 37.0

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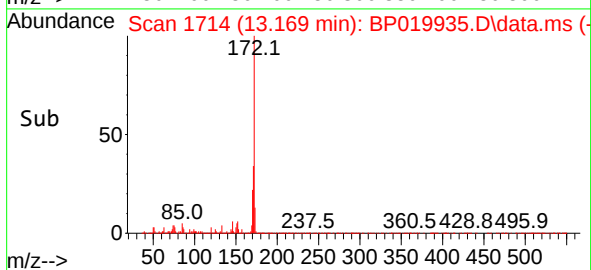
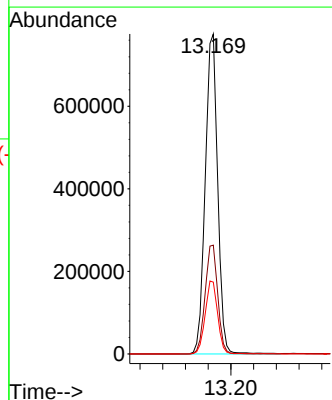
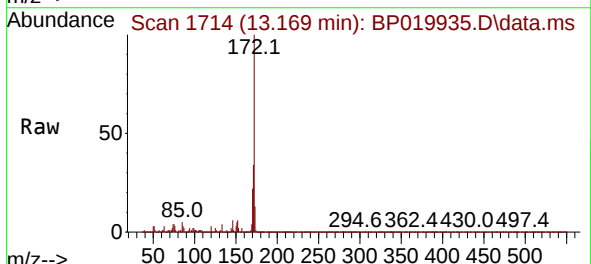
Reviewed By :Jagrut Upadhyay 03/01/2024
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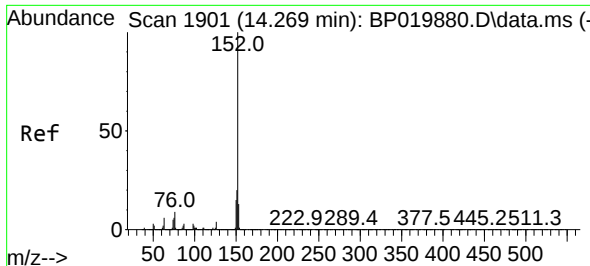
Supervised By :mohammad
Supervised By :mohammad
03/02/2024



#45
2-Fluorobiphenyl
Concen: 72.754 ng
RT: 13.169 min Scan# 1714
Delta R.T. -0.012 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

Tgt Ion:172 Resp: 1172270
Ion Ratio Lower Upper
172 100
171 34.0 27.8 41.6
170 22.4 18.4 27.6





#49
Acenaphthylene
Concen: 8.160 ng
RT: 14.263 min Scan# 1900
Delta R.T. -0.018 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

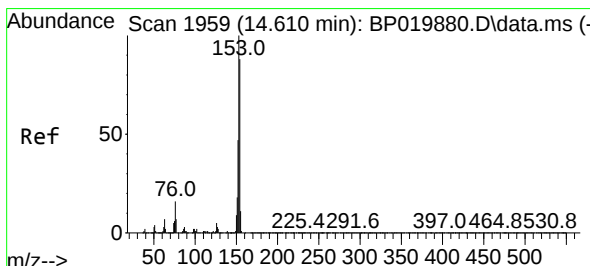
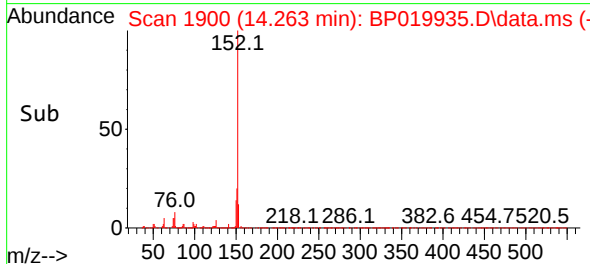
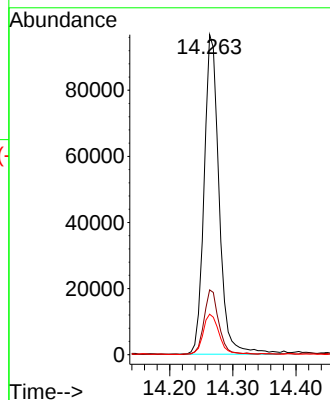
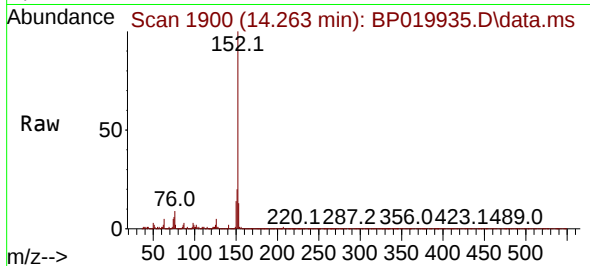
Instrument :
BNA_P
Client Sample Id :
VNJ218

Tgt Ion:152 Resp: 15995
Ion Ratio Lower Upper
152 100
151 20.3 15.9 23.9
153 12.7 10.4 15.6

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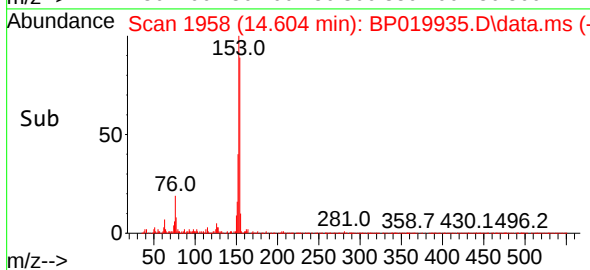
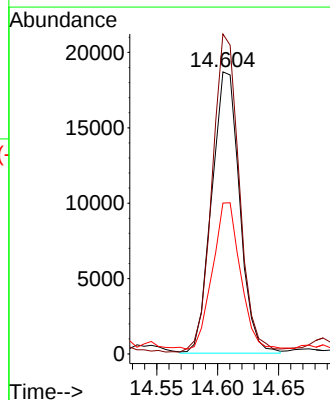
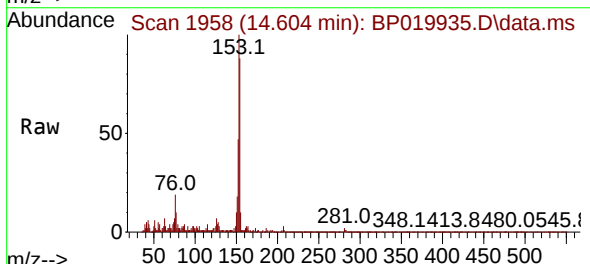
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024

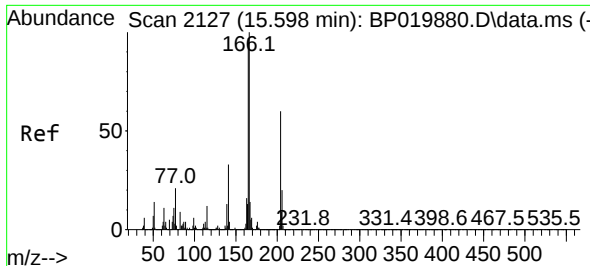
Supervised By :mohammad
Supervised By :mohammad
03/02/2024



#52
Acenaphthene
Concen: 2.529 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.018 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

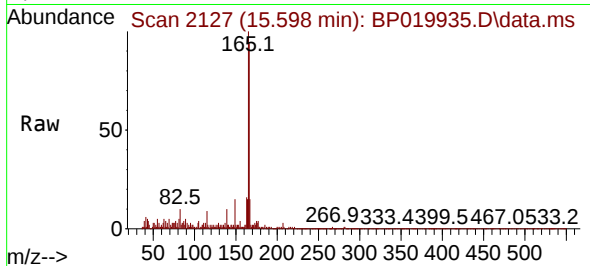
Tgt Ion:154 Resp: 29762
Ion Ratio Lower Upper
154 100
153 113.4 90.9 136.3
152 53.5 42.3 63.5





#58
Fluorene
Concen: 2.445 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.018 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

Instrument :
BNA_P
Client Sample Id :
VNJ218

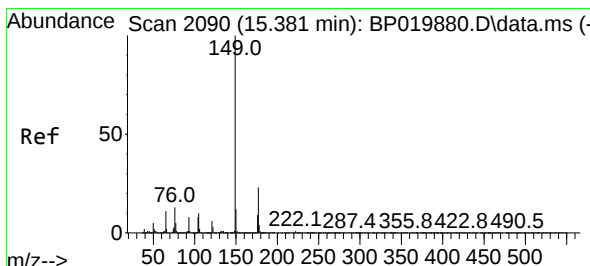
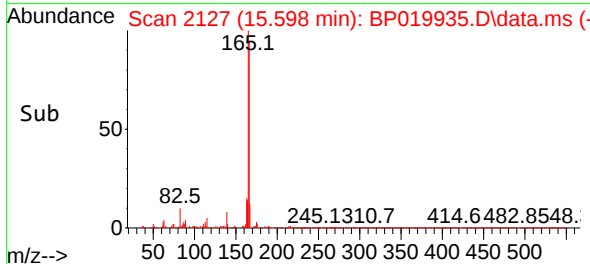
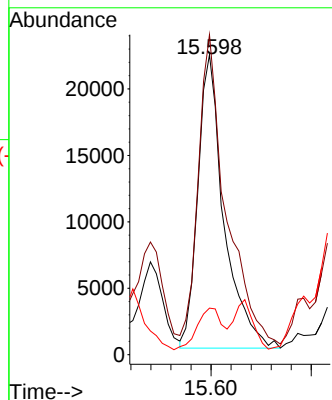


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Ion Ratio Lower Upper
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165 106.7 77.8 116.6
167 15.5 10.8 16.2

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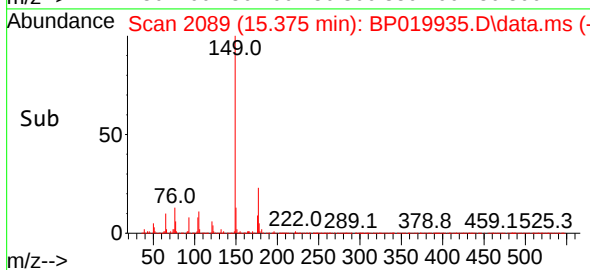
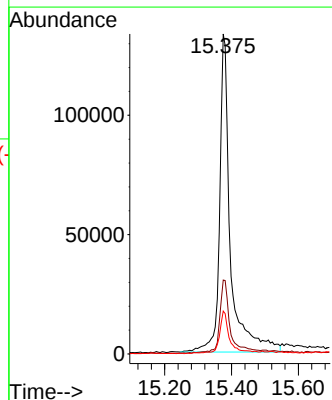
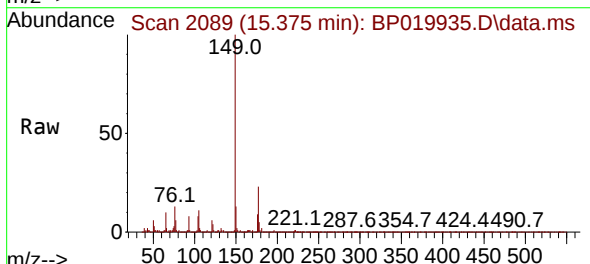
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024

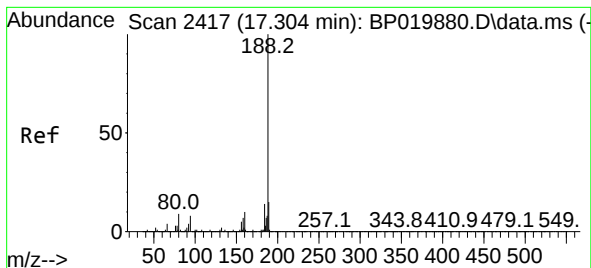
03/01/2024 By :mohammad
03/02/2024 Supervised By :mohammad
03/02/2024



#60
Diethylphthalate
Concen: 17.114 ng
RT: 15.375 min Scan# 2089
Delta R.T. -0.018 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

Tgt Ion:149 Resp: 300477
Ion Ratio Lower Upper
149 100
177 23.1 18.4 27.6
150 13.4 9.9 14.9





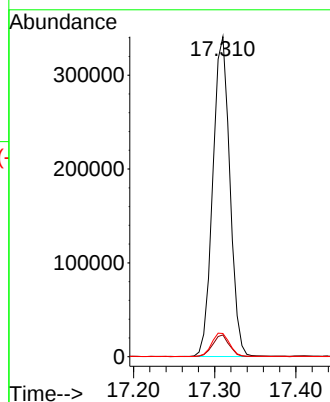
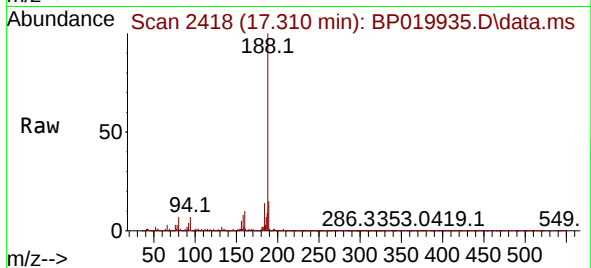
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Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

Instrument :
BNA_P
Client Sample Id :
VNJ218

Tgt Ion:188 Resp: 497485
Ion Ratio Lower Upper
188 100
94 6.8 6.2 9.4
80 7.3 7.0 10.4

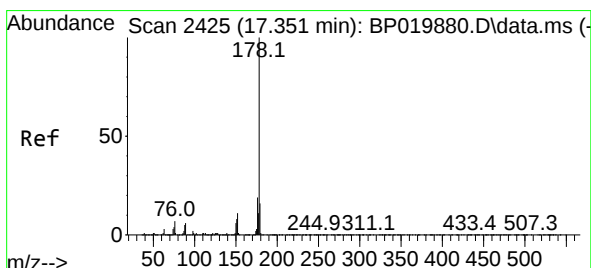
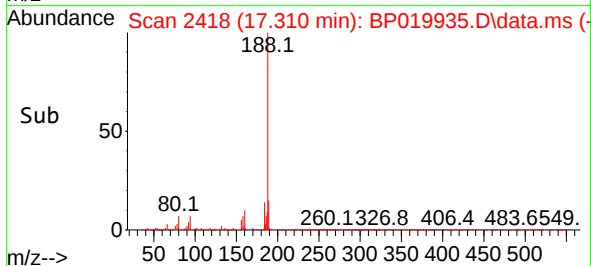
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Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



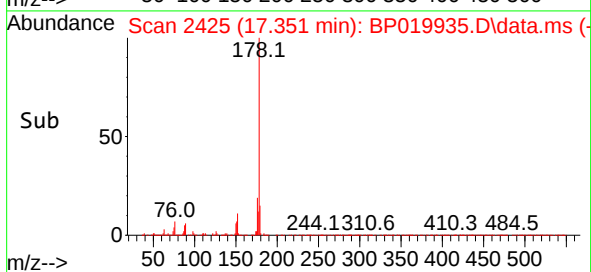
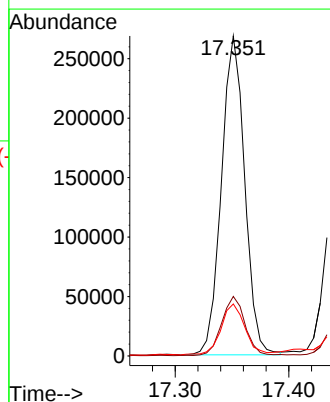
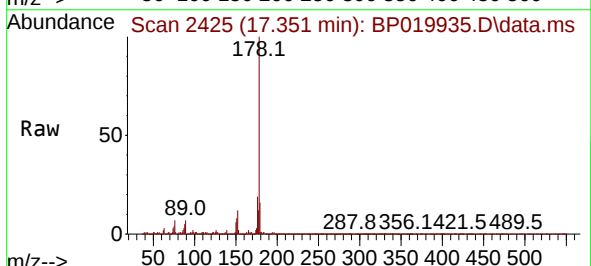
Supervised By :mohammad
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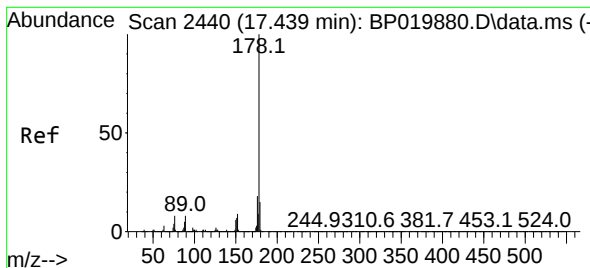
03/02/2024



#71
Phenanthrene
Concen: 14.390 ng
RT: 17.351 min Scan# 2425
Delta R.T. -0.018 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

Tgt Ion:178 Resp: 382108
Ion Ratio Lower Upper
178 100
176 18.6 15.2 22.8
179 16.2 12.5 18.7





#72

Anthracene

Concen: 8.983 ng

RT: 17.445 min Scan# 2440

Delta R.T. -0.012 min

Lab File: BP019935.D

Acq: 29 Feb 2024 14:01

Instrument :

BNA_P

ClientSampleId :

VNJ218

Tgt Ion:178 Resp: 24351

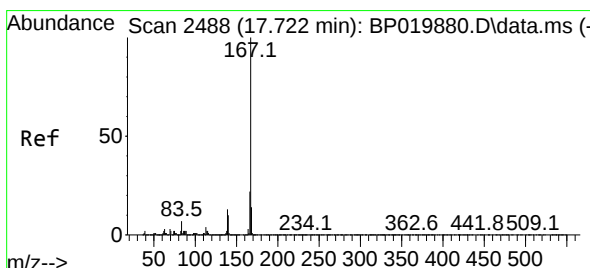
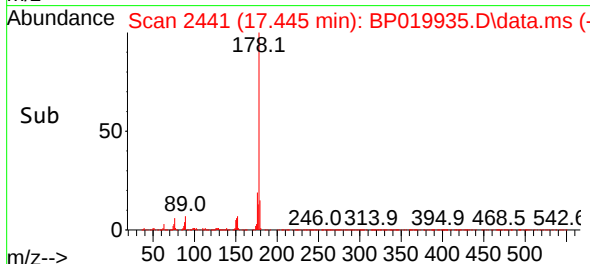
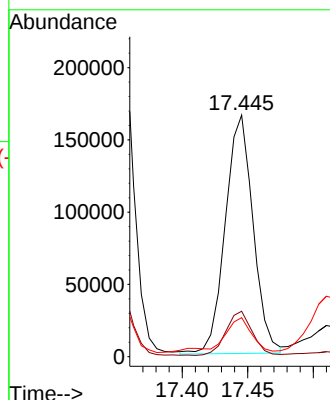
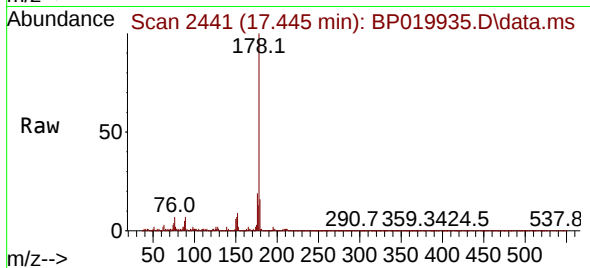
Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	16.2	12.2	18.4

Manual Integrations

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

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03/02/2024 Supervised By :mohammad
03/02/2024



#73

Carbazole

Concen: 3.454 ng

RT: 17.722 min Scan# 2488

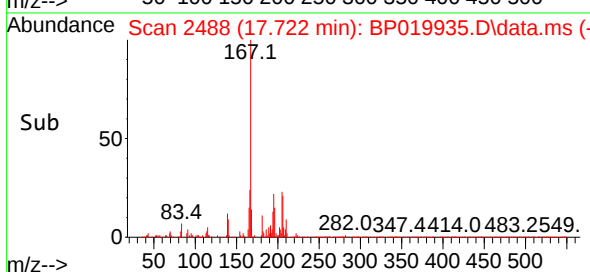
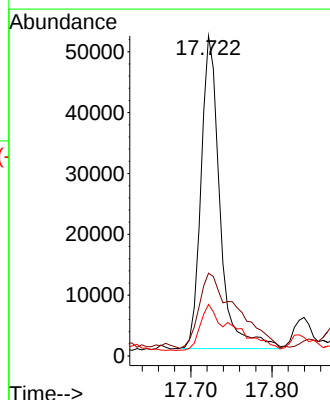
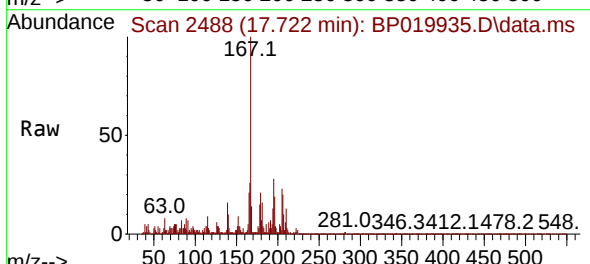
Delta R.T. -0.018 min

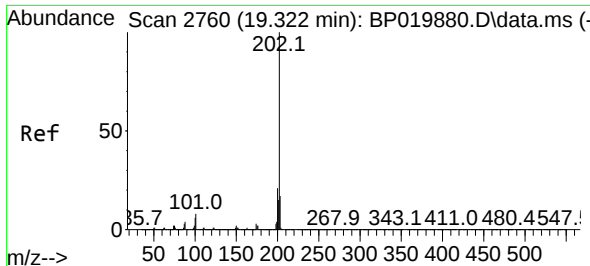
Lab File: BP019935.D

Acq: 29 Feb 2024 14:01

Tgt Ion:167 Resp: 82926

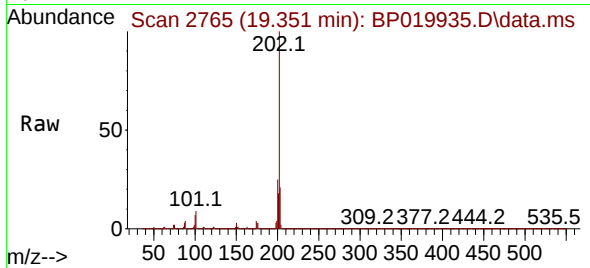
Ion	Ratio	Lower	Upper
167	100		
166	25.9	17.3	25.9
139	16.1	10.5	15.7





#75
Fluoranthene
Concen: 452.336 ng
RT: 19.351 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

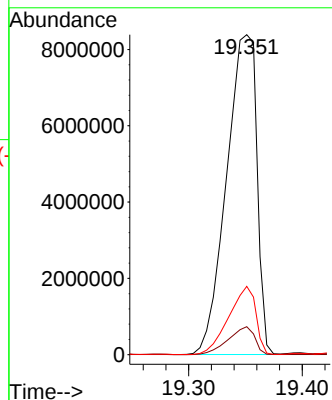
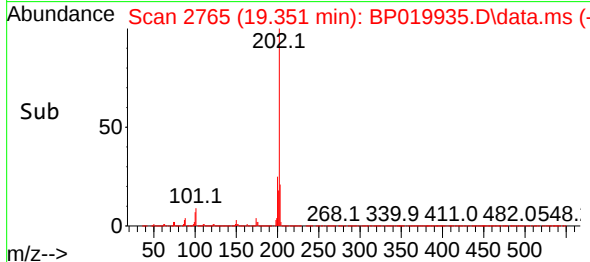
Instrument :
BNA_P
ClientSampleId :
VNJ218



Tgt Ion:202 Resp:1558826
Ion Ratio Lower Upper
202 100
101 8.7 0.0 27.7
203 21.4 0.0 37.5

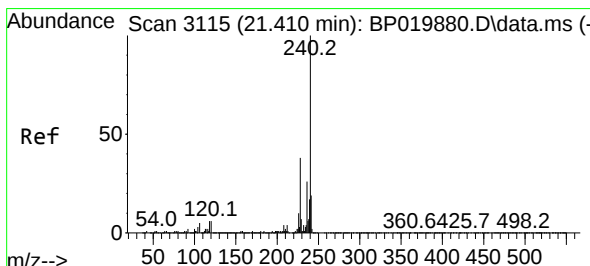
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Supervised By :mohammad ahmed 03/02/2024

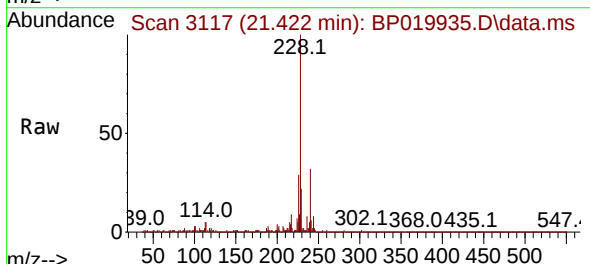


Supervised By :mohammad
Supervised By :mohammad
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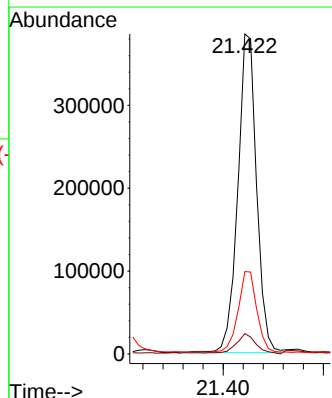
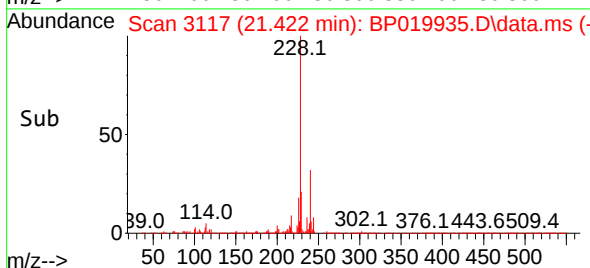
03/02/2024

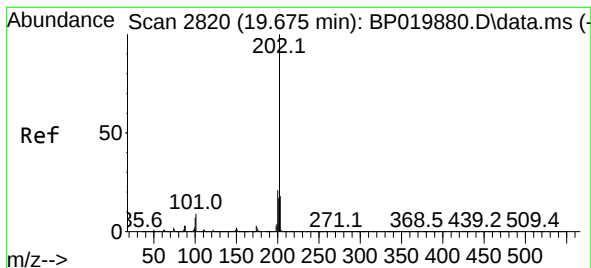


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01



Tgt Ion:240 Resp: 501843
Ion Ratio Lower Upper
240 100
120 6.4 5.1 7.7
236 25.7 20.5 30.7





#78

Pyrene

Concen: 360.585 ng

RT: 19.704 min Scan# 2825

Delta R.T. 0.012 min

Lab File: BP019935.D

Acq: 29 Feb 2024 14:01

Instrument :

BNA_P

ClientSampleId :

VNJ218

Tgt Ion:202 Resp:1243282

Ion Ratio Lower Upper

202 100

200 22.1 16.7 25.1

203 19.0 14.2 21.2

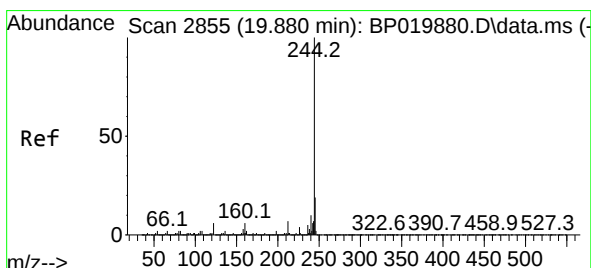
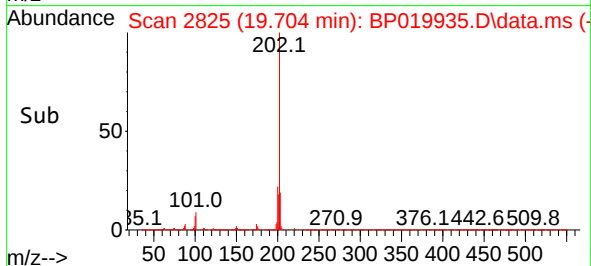
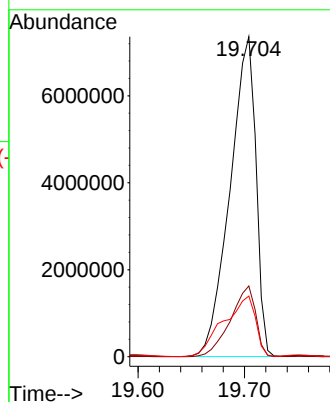
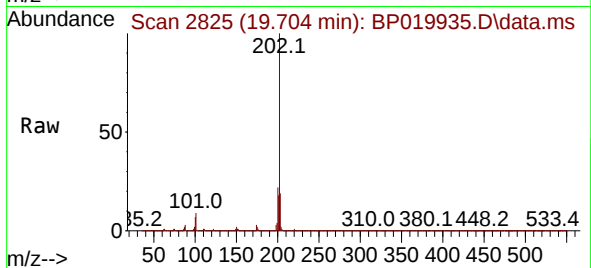
Manual Integrations

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

03/01/2024 By :mohammad

Supervised By :mohammad
03/02/2024



#79

Terphenyl-d14

Concen: 68.976 ng

RT: 19.886 min Scan# 2856

Delta R.T. -0.006 min

Lab File: BP019935.D

Acq: 29 Feb 2024 14:01

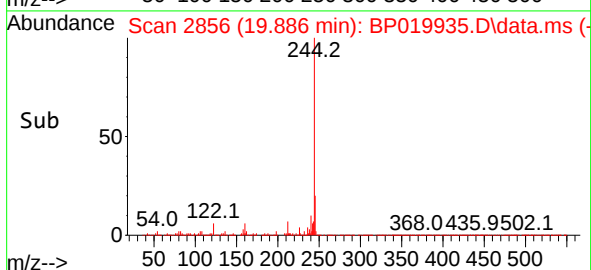
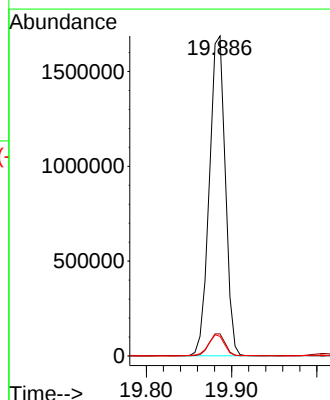
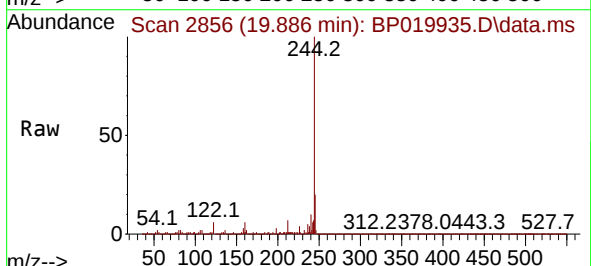
Tgt Ion:244 Resp: 2196178

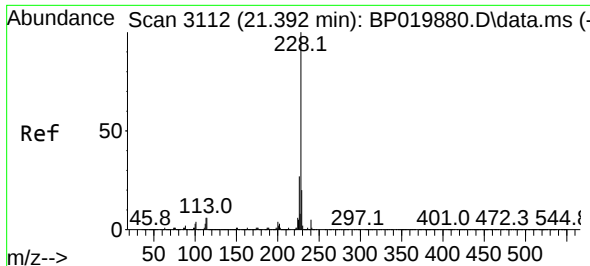
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 6.1 5.0 7.6





#81
Benzo(a)anthracene
Concen: 122.314 ng
RT: 21.410 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

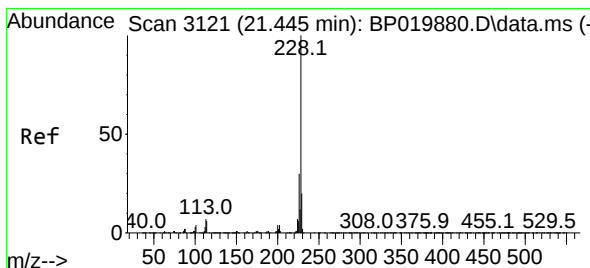
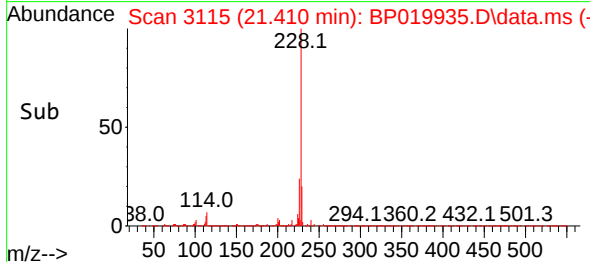
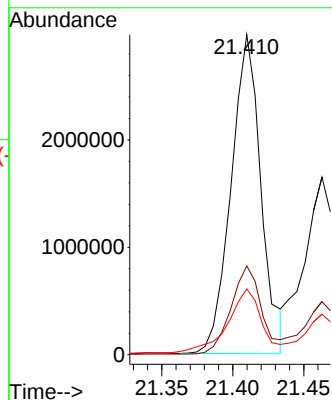
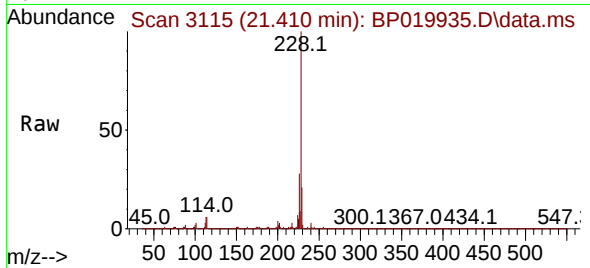
Instrument :
BNA_P
Client Sample Id :
VNJ218

Tgt Ion:228 Resp: 435713
Ion Ratio Lower Upper
228 100
226 27.8 21.5 32.3
229 20.5 15.6 23.4

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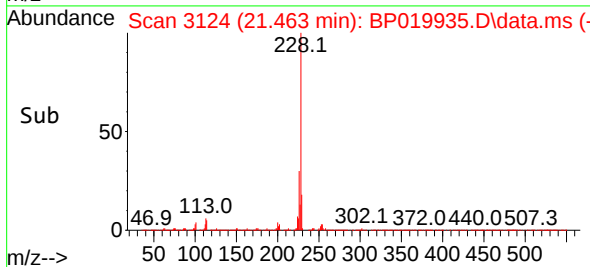
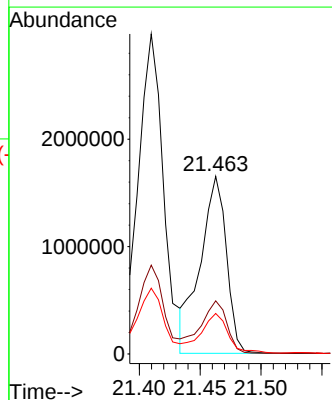
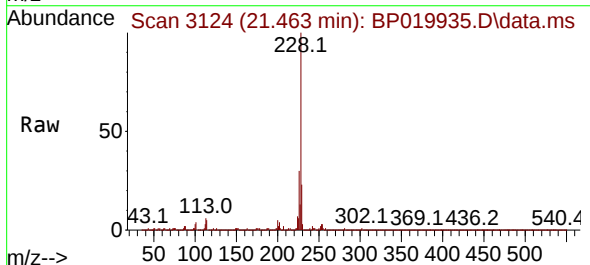
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024

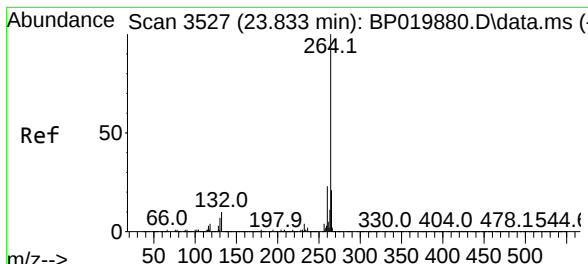
03/01/2024 By :mohammad
03/02/2024 Supervised By :mohammad
03/02/2024



#83
Chrysene
Concen: 74.121 ng
RT: 21.463 min Scan# 3124
Delta R.T. -0.006 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

Tgt Ion:228 Resp: 2474130
Ion Ratio Lower Upper
228 100
226 29.9 23.9 35.9
229 22.8 15.7 23.5





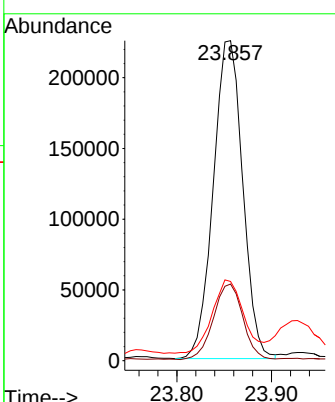
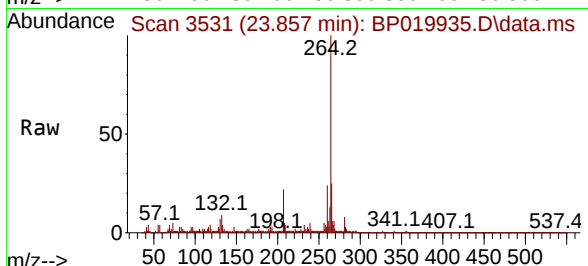
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.857 min Scan# 3527
 Delta R.T. -0.012 min
 Lab File: BP019935.D
 Acq: 29 Feb 2024 14:01

Instrument : BNA_P
 ClientSampleId : VNJ218

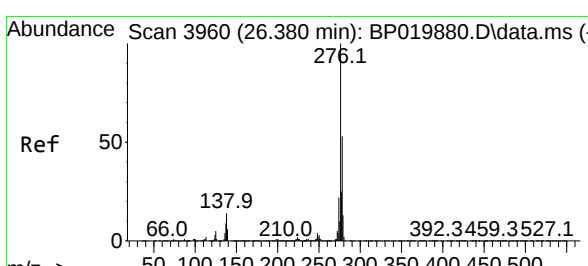
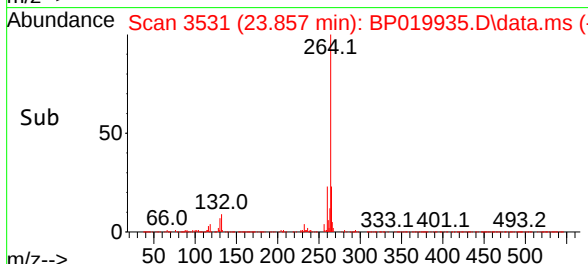
Tgt Ion: 264 Resp: 484609

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	24.7	17.4	26.2

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 Supervised By : mohammad ahmed 03/02/2024



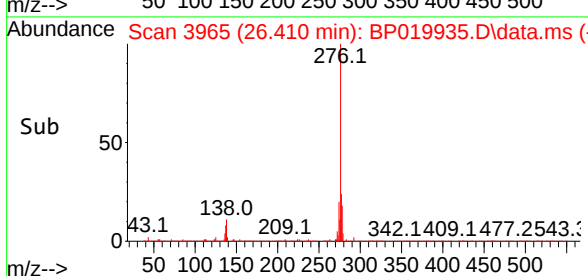
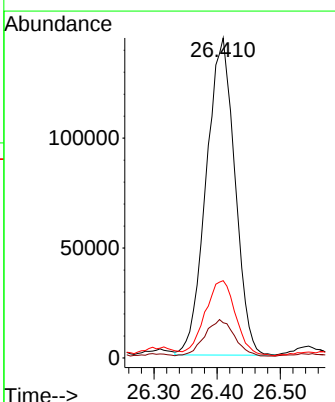
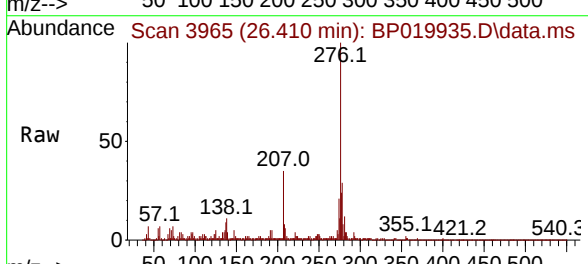
Supervised By : mohammad
 03/02/2024

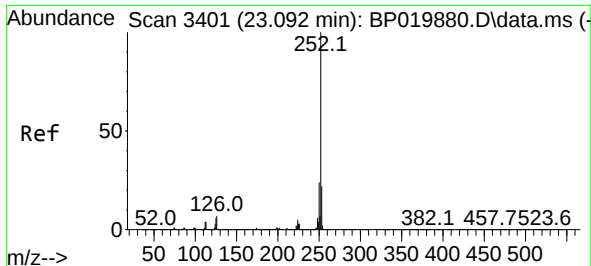


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 13.327 ng
 RT: 26.410 min Scan# 3965
 Delta R.T. -0.035 min
 Lab File: BP019935.D
 Acq: 29 Feb 2024 14:01

Tgt Ion: 276 Resp: 454686

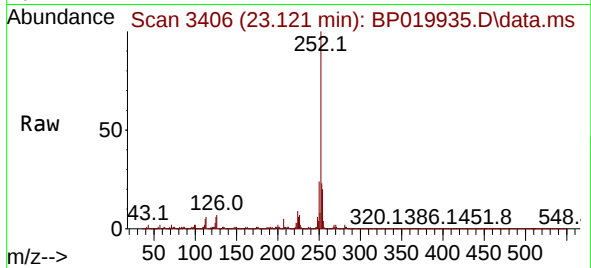
Ion	Ratio	Lower	Upper
276	100		
138	12.0	11.7	17.5
277	25.1	20.2	30.4





#88
Benzo(b)fluoranthene
Concen: 81.404 ng
RT: 23.121 min Scan# 3406
Delta R.T. 0.000 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

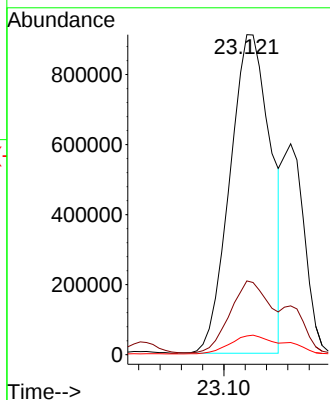
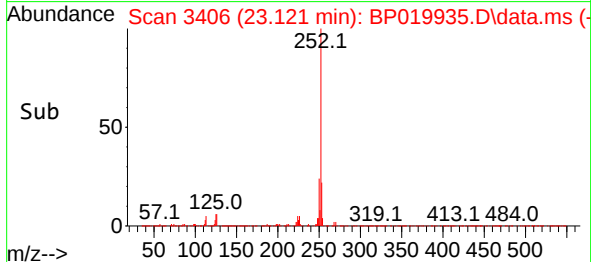
Instrument :
BNA_P
ClientSampleId :
VNJ218



Tgt Ion:252 Resp: 241859
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 5.9 4.6 7.0

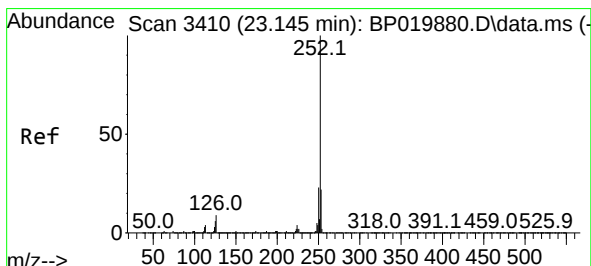
Manual Integrations
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Supervised By :mohammad ahmed 03/02/2024



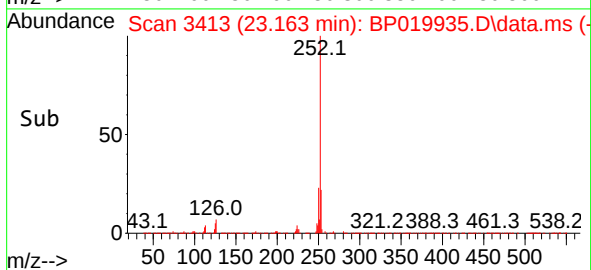
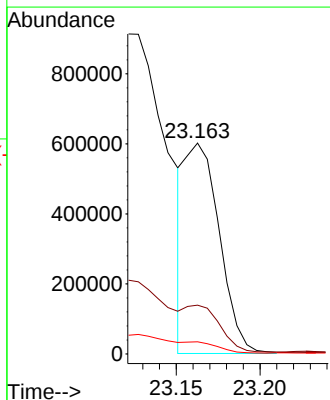
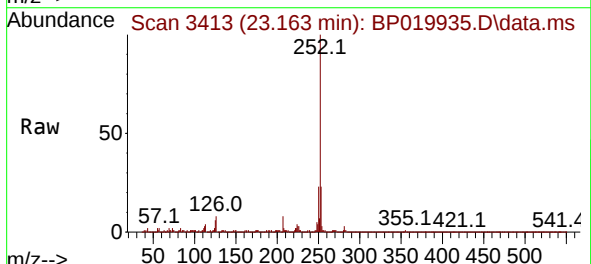
Supervised By :mohammad
a03/02/2024

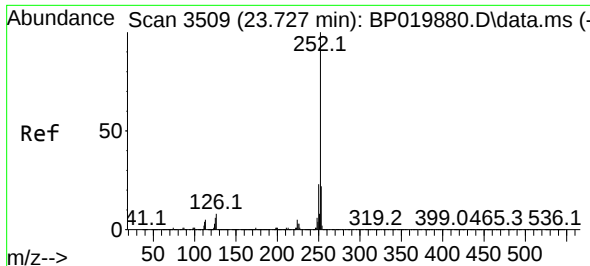
03/02/2024



#89
Benzo(k)fluoranthene
Concen: 29.464 ng m
RT: 23.163 min Scan# 3413
Delta R.T. -0.012 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

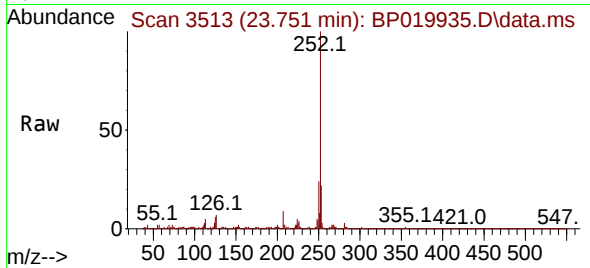
Tgt Ion:252 Resp: 858524
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 5.8 4.6 6.8





#90
Benzo(a)pyrene
Concen: 40.424 ng
RT: 23.751 min Scan# 311
Delta R.T. -0.012 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

Instrument :
BNA_P
ClientSampleId :
VNJ218

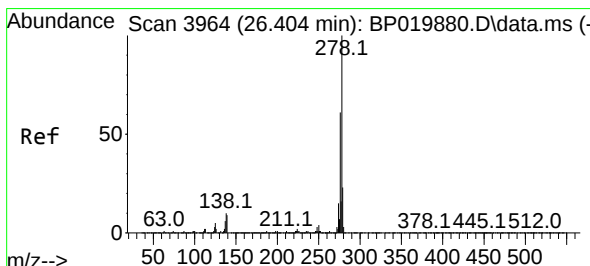
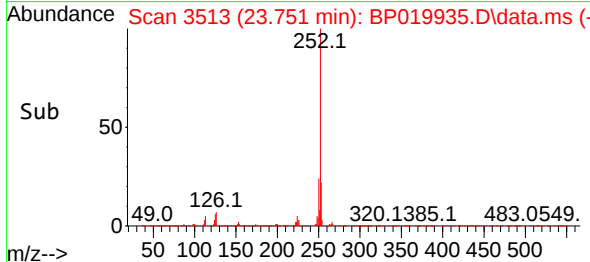
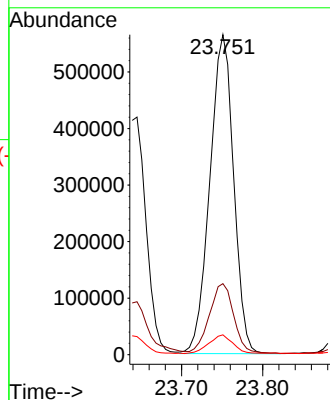


Tgt Ion:252 Resp: 1147772
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 6.2 5.2 7.8

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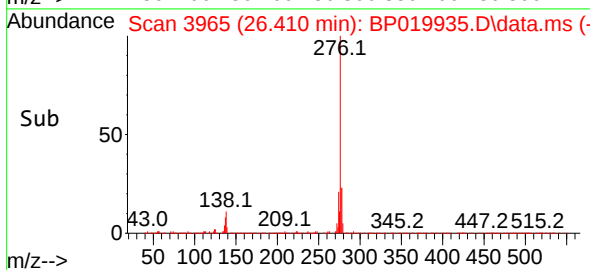
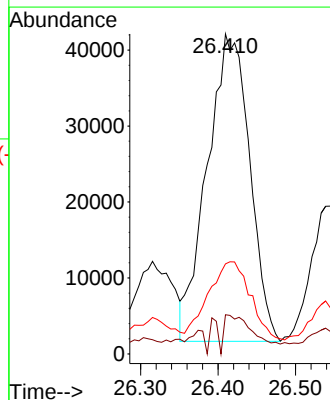
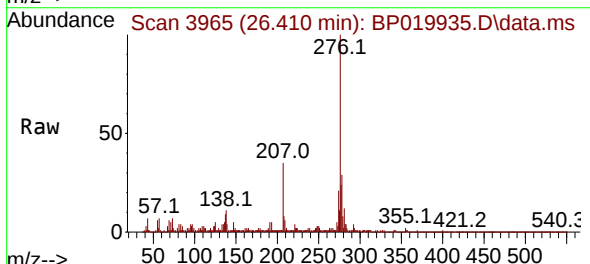
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024

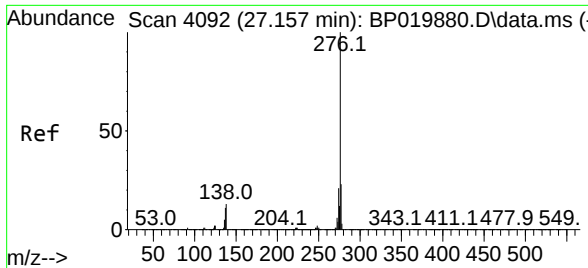
03/01/2024 By :mohammad
03/02/2024 Supervised By :mohammad
03/02/2024



#91
Dibenzo(a,h)anthracene
Concen: 5.373 ng
RT: 26.410 min Scan# 3965
Delta R.T. -0.053 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

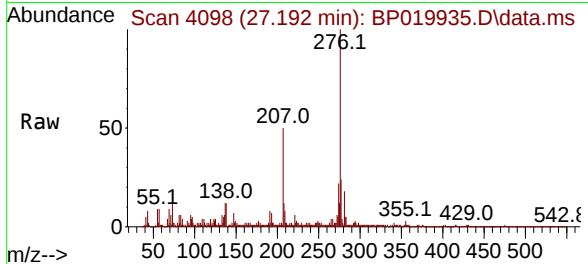
Tgt Ion:278 Resp: 154096
Ion Ratio Lower Upper
278 100
139 12.2 7.4 11.0#
279 28.2 18.7 28.1#





#92
Benzo(g,h,i)perylene
Concen: 12.368 ng
RT: 27.192 min Scan# 4098
Delta R.T. -0.035 min
Lab File: BP019935.D
Acq: 29 Feb 2024 14:01

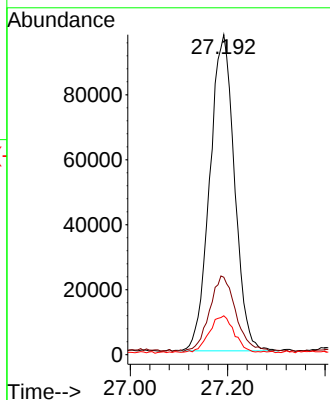
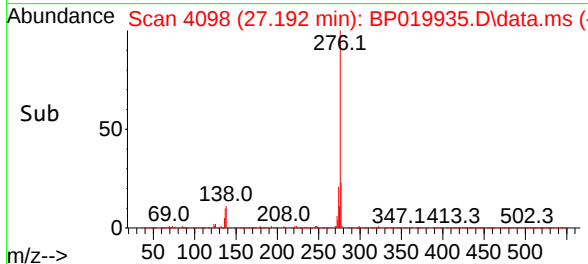
Instrument :
BNA_P
ClientSampleId :
VNJ218



Tgt Ion: 276 Resp: 34243
Ion Ratio Lower Upper
276 100
277 24.2 18.5 27.7
138 12.1 10.2 15.2

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



Supervised By :mohammad
a03/02/2024

03/02/2024