

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022024\
 Data File : BP019786.D
 Acq On : 20 Feb 2024 15:21
 Operator : MA/JU
 Sample : P1505-13DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-2DDL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/21/2024
 Supervised By :mohammad ahmed 02/21/2024

Quant Time: Feb 20 15:57:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 19 23:35:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	55835	20.000	ng	0.00
21) Naphthalene-d8	10.698	136	212626	20.000	ng	0.00
39) Acenaphthene-d10	14.534	164	153859	20.000	ng	0.00
64) Phenanthrene-d10	17.292	188	396111	20.000	ng	0.00
76) Chrysene-d12	21.386	240	391919	20.000	ng	# 0.00
86) Perylene-d12	23.798	264	434284	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	91281	26.352	ng	0.00
7) Phenol-d6	7.069	99	115611	24.753	ng	0.00
23) Nitrobenzene-d5	9.069	82	81278	16.564	ng	0.00
42) 2,4,6-Tribromophenol	16.028	330	73665	32.792	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	193726	15.566	ng	0.00
79) Terphenyl-d14	19.857	244	438122	18.384	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.333	178	90611	4.347	ng	99
72) Anthracene	17.428	178	48698	2.342	ng	96
75) Fluoranthene	19.304	202	703034	27.607	ng	99
78) Pyrene	19.651	202	554915	20.062	ng	99
81) Benzo(a)anthracene	21.368	228	430509	15.605	ng	98
83) Chrysene	21.421	228	284018	10.843	ng	98
87) Indeno(1,2,3-cd)pyrene	26.321	276	230965	6.948	ng	# 95
88) Benzo(b)fluoranthene	23.068	252	505815	18.480	ng	99
89) Benzo(k)fluoranthene	23.110	252	166494m	6.368	ng	
90) Benzo(a)pyrene	23.692	252	353360	14.509	ng	97
91) Dibenzo(a,h)anthracene	26.333	278	68501	2.505	ng	# 86
92) Benzo(g,h,i)perylene	27.103	276	196774	7.094	ng	# 96

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

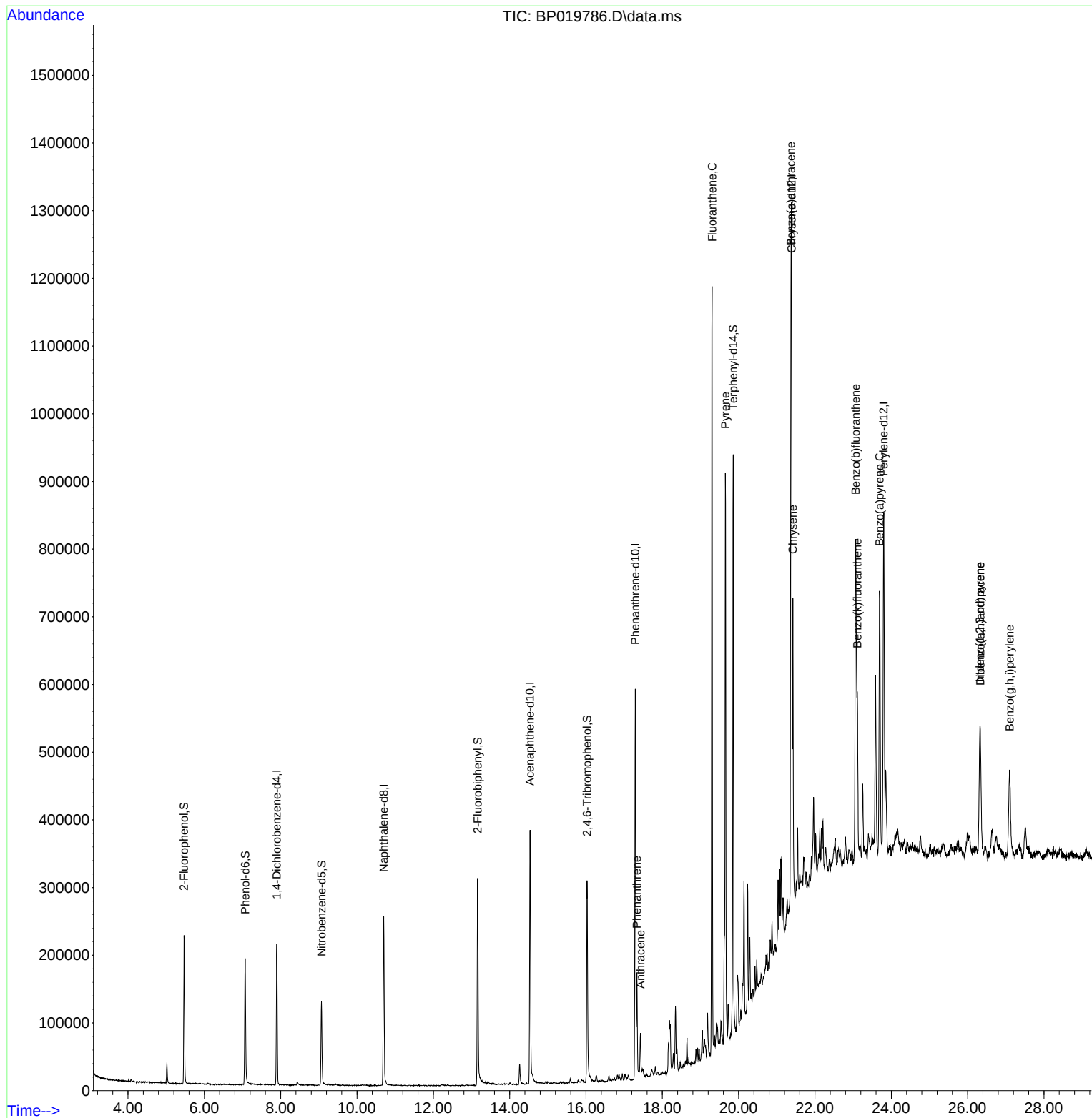
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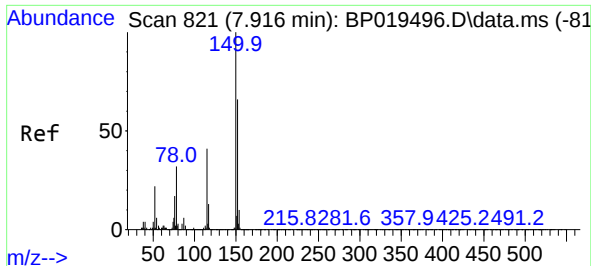
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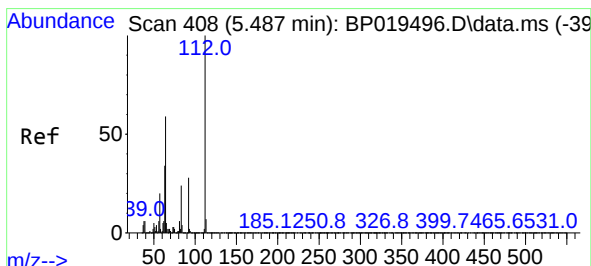
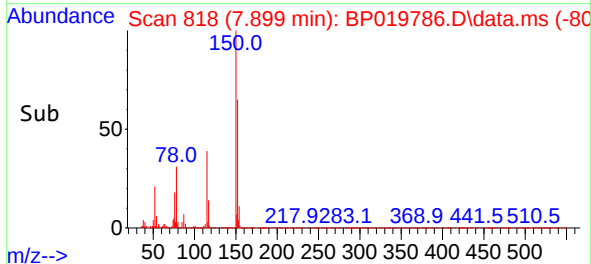
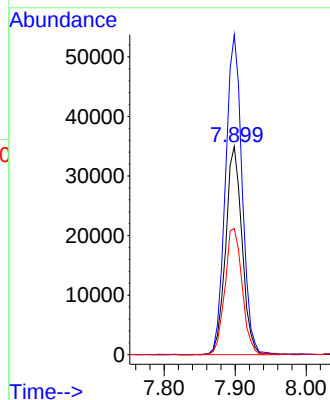
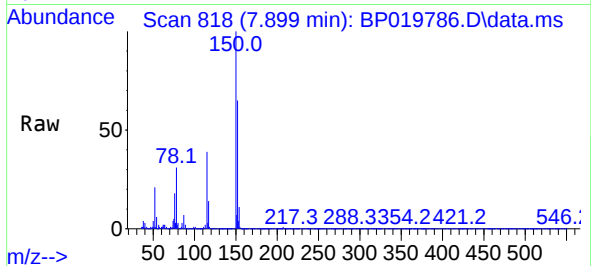
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.899 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

Instrument :
BNA_P
ClientSampleId :
WC-2DDL

Tgt Ion:152 Resp: 5583
Ion Ratio Lower Upper
152 100
150 153.7 121.8 182.8
115 60.6 49.9 74.9

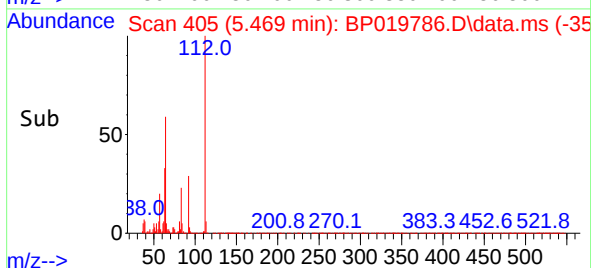
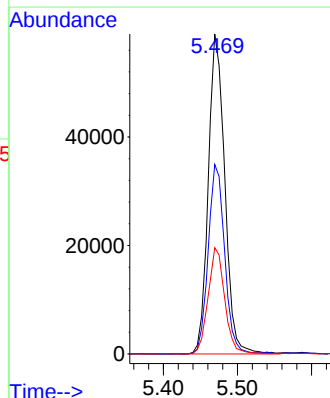
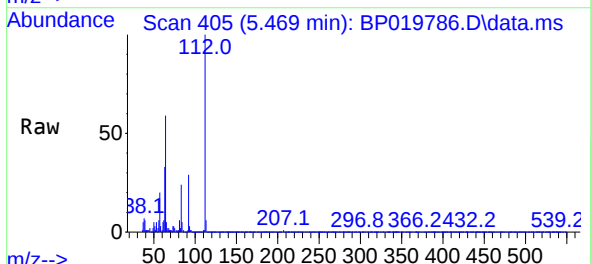
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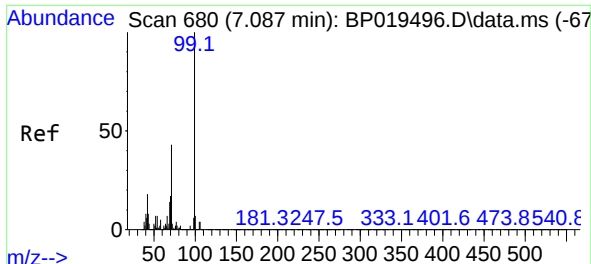
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024



#5
2-Fluorophenol
Concen: 26.352 ng
RT: 5.469 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

Tgt Ion:112 Resp: 91281
Ion Ratio Lower Upper
112 100
64 59.2 47.4 71.0
63 33.2 27.0 40.6





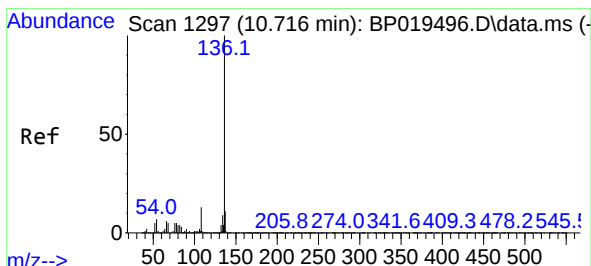
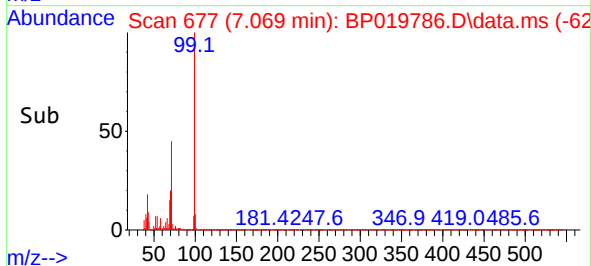
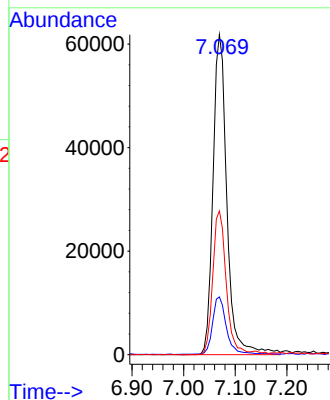
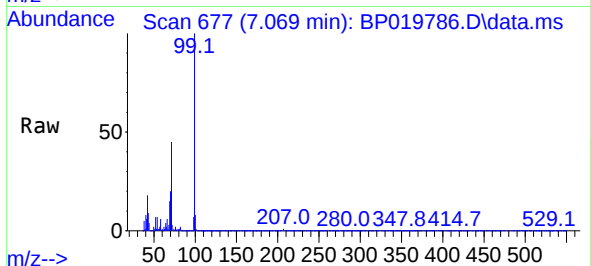
#7
Phenol-d6
Concen: 24.753 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

Instrument :
BNA_P
ClientSampleId :
WC-2DDL

Tgt Ion:	99	Resp:	11561
Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.7	22.1
71	44.9	34.8	52.2

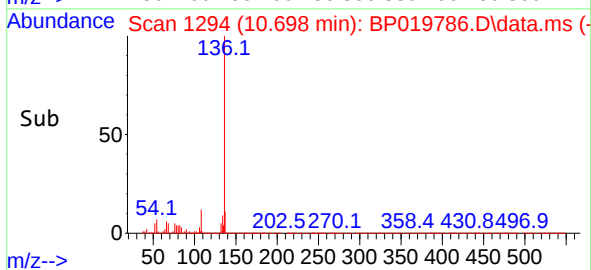
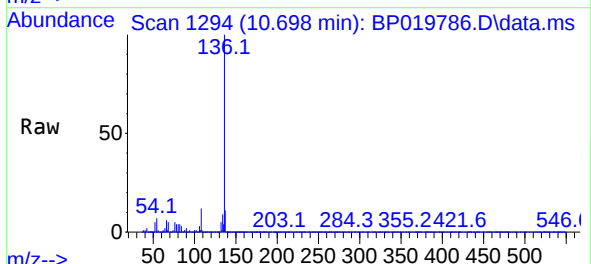
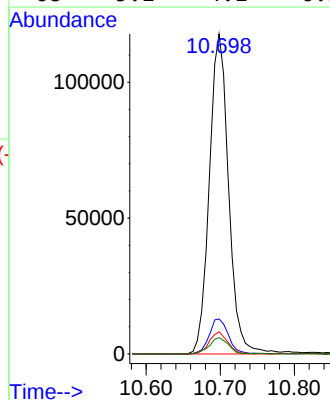
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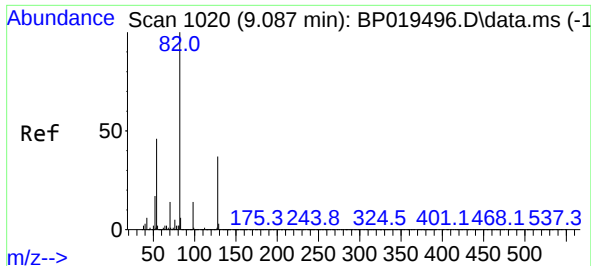
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.698 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

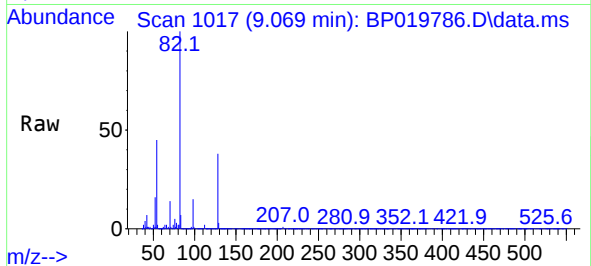
Tgt Ion:	136	Resp:	212626
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.9	5.3	7.9
68	5.1	4.1	6.1





#23
Nitrobenzene-d5
Concen: 16.564 ng
RT: 9.069 min Scan# 1020
Delta R.T. -0.000 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

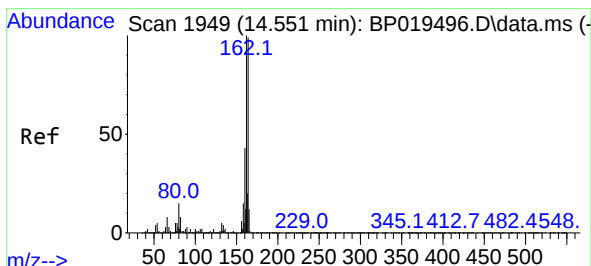
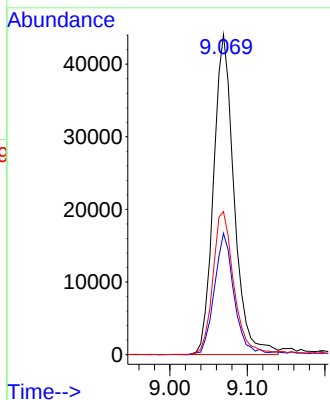
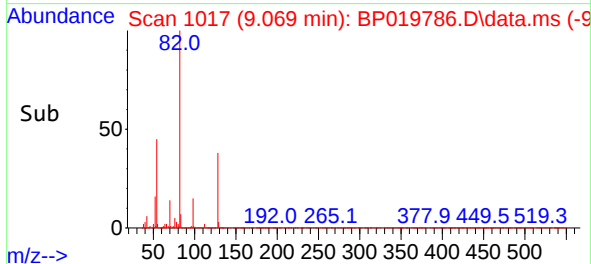
Instrument :
BNA_P
ClientSampleId :
WC-2DDL



Tgt Ion: 82 Resp: 81278
Ion Ratio Lower Upper
82 100
128 38.0 29.7 44.5
54 44.7 36.8 55.2

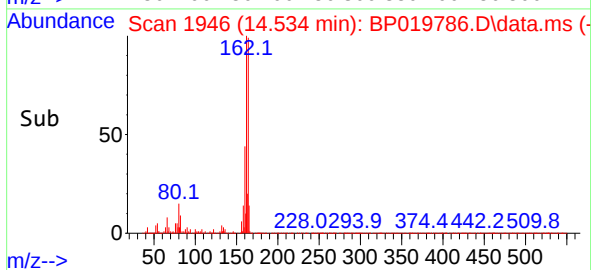
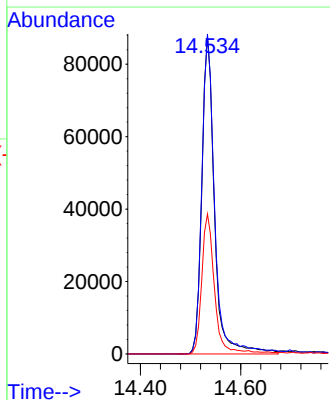
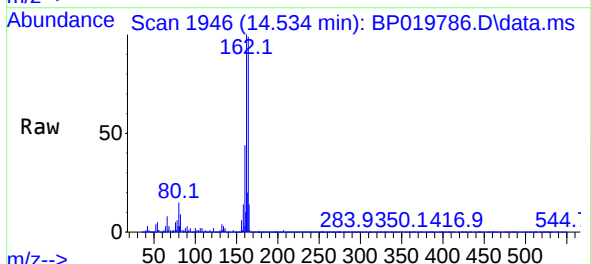
Manual Integrations
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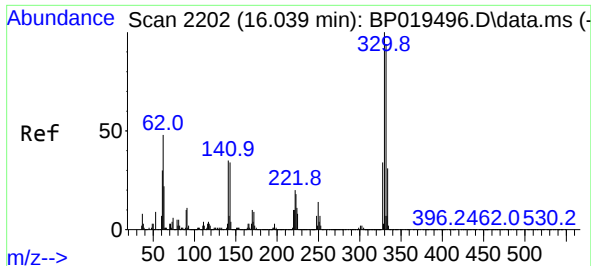
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.534 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

Tgt Ion:164 Resp: 153859
Ion Ratio Lower Upper
164 100
162 100.6 81.2 121.8
160 44.0 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 32.792 ng
RT: 16.028 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

Instrument :

BNA_P

ClientSampleId :

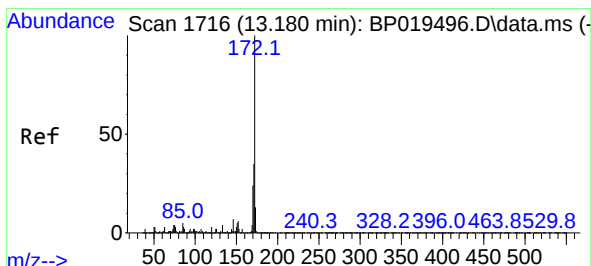
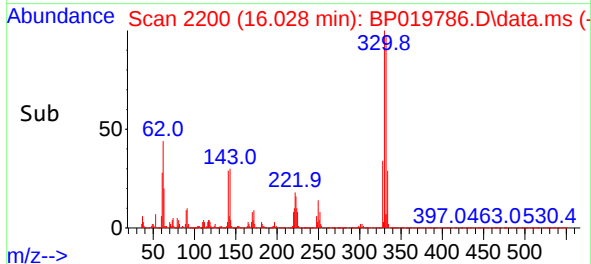
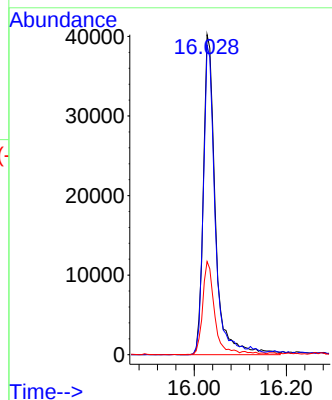
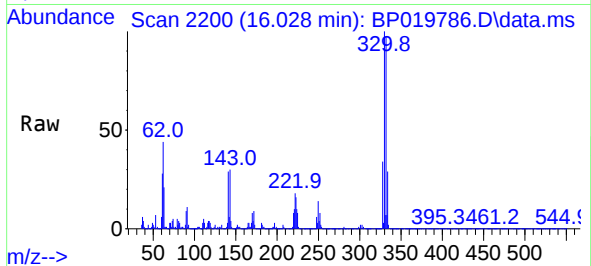
WC-2DDL

Tgt Ion:330 Resp: 7366
Ion Ratio Lower Upper
330 100
332 93.1 77.2 115.8
141 28.3 27.0 40.4

Manual Integrations

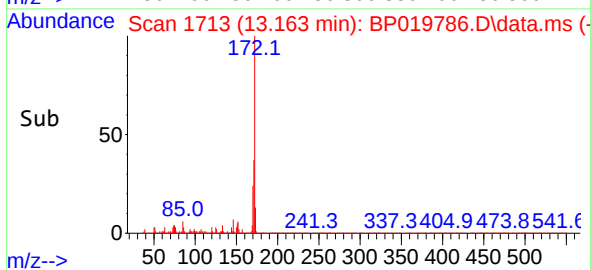
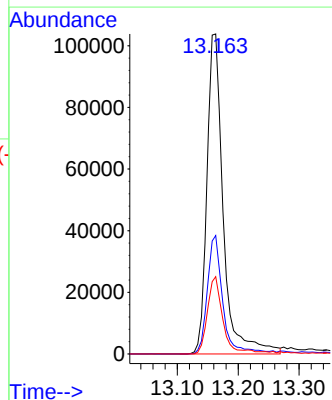
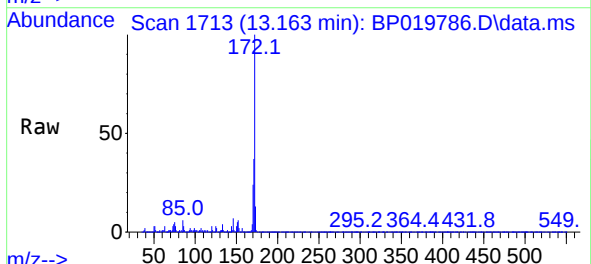
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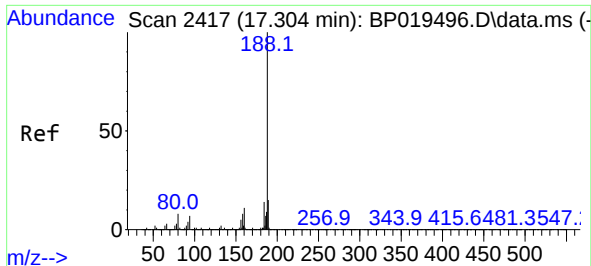
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024



#45
2-Fluorobiphenyl
Concen: 15.566 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

Tgt Ion:172 Resp: 193726
Ion Ratio Lower Upper
172 100
171 37.0 28.2 42.4
170 24.2 18.9 28.3





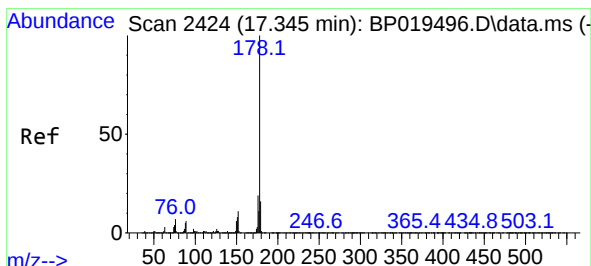
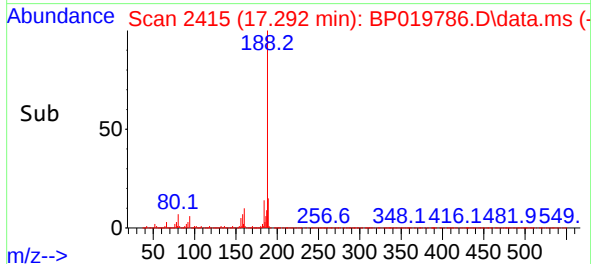
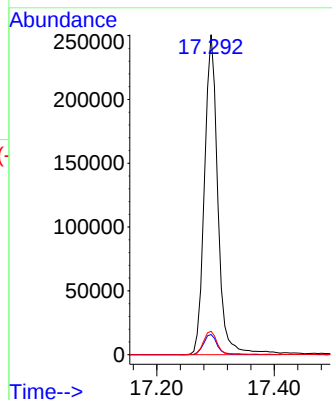
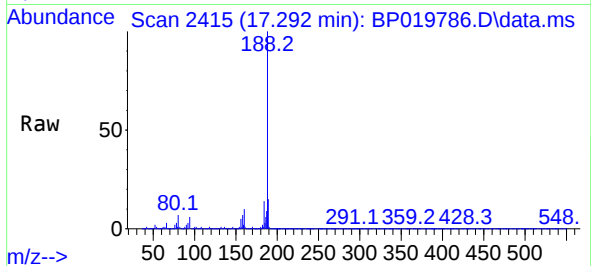
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.292 min Scan# 2415
Delta R.T. -0.000 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

Instrument :
BNA_P
ClientSampleId :
WC-2DDL

Tgt Ion:188 Resp: 39611
Ion Ratio Lower Upper
188 100
94 6.3 5.4 8.2
80 7.3 6.3 9.5

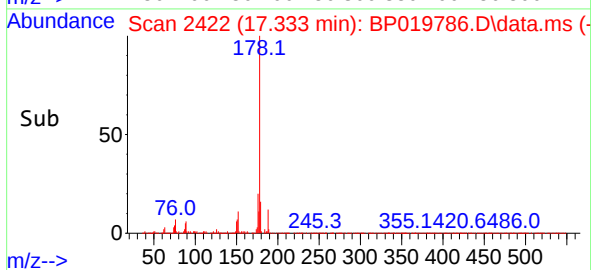
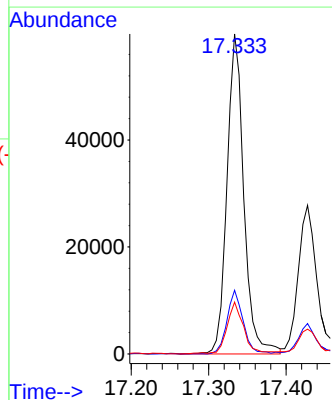
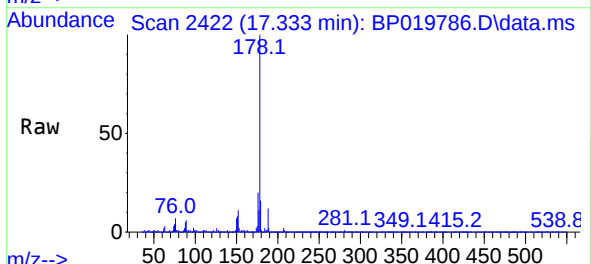
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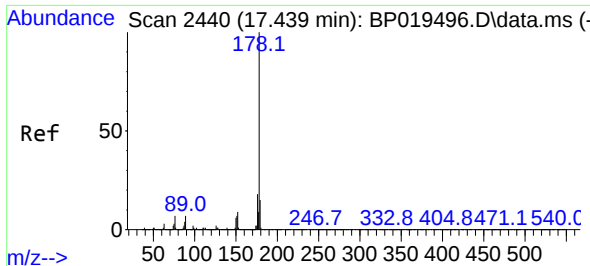
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024



#71
Phenanthrene
Concen: 4.347 ng
RT: 17.333 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

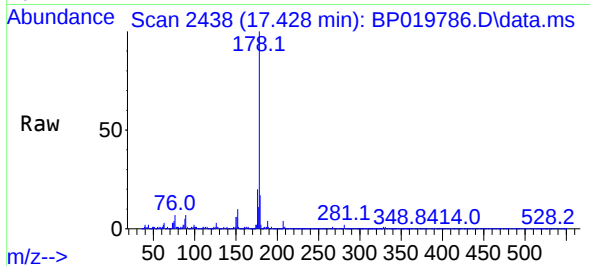
Tgt Ion:178 Resp: 90611
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 16.2 12.6 19.0





#72
 Anthracene
 Concen: 2.342 ng
 RT: 17.428 min Scan# 2440
 Delta R.T. -0.000 min
 Lab File: BP019786.D
 Acq: 20 Feb 2024 15:21

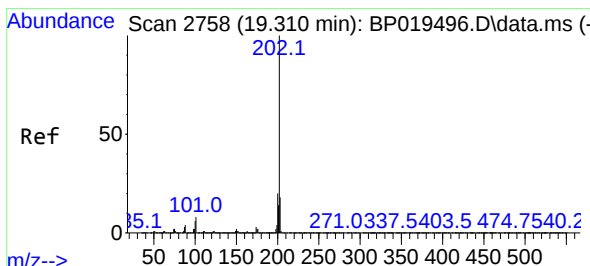
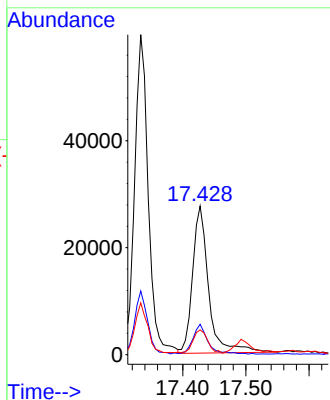
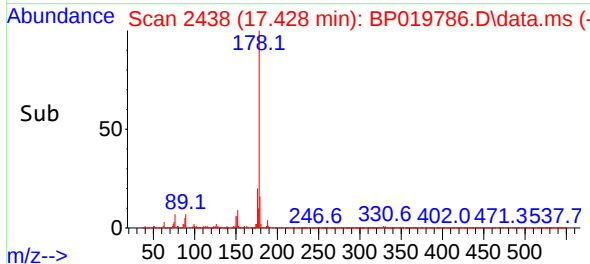
Instrument :
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Tgt Ion:178 Resp: 48698
 Ion Ratio Lower Upper
 178 100
 176 20.4 14.7 22.1
 179 16.6 12.2 18.2

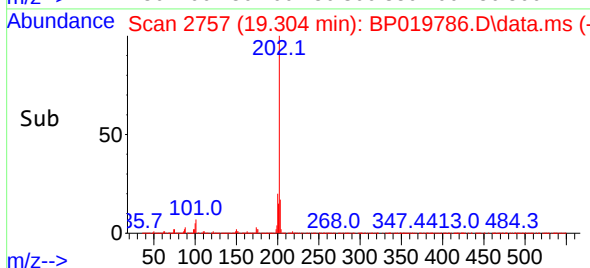
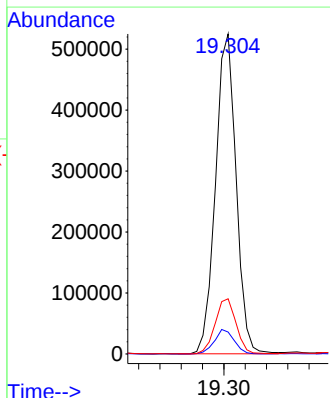
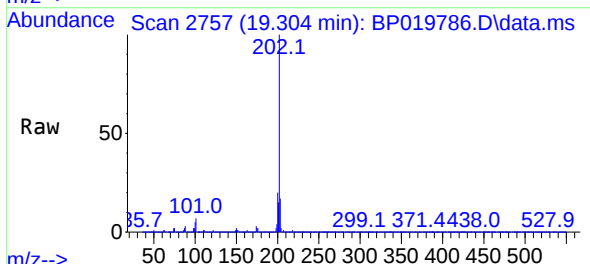
Manual Integrations
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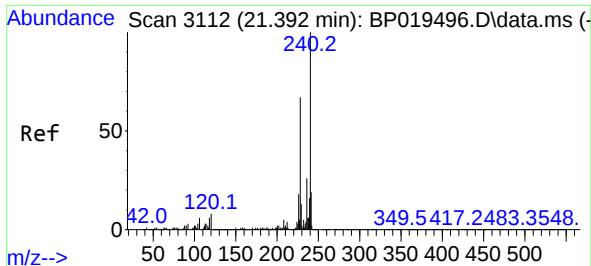
Reviewed By :Yogesh Patel 02/21/2024
 Supervised By :mohammad ahmed 02/21/2024



#75
 Fluoranthene
 Concen: 27.607 ng
 RT: 19.304 min Scan# 2757
 Delta R.T. -0.000 min
 Lab File: BP019786.D
 Acq: 20 Feb 2024 15:21

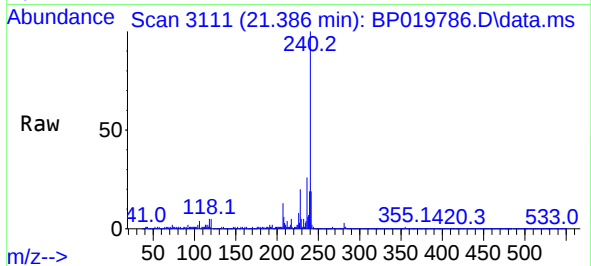
Tgt Ion:202 Resp: 703034
 Ion Ratio Lower Upper
 202 100
 101 6.8 0.0 27.7
 203 17.3 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

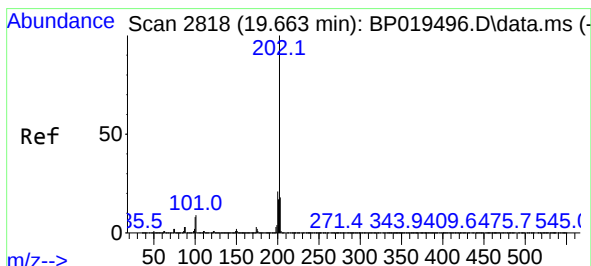
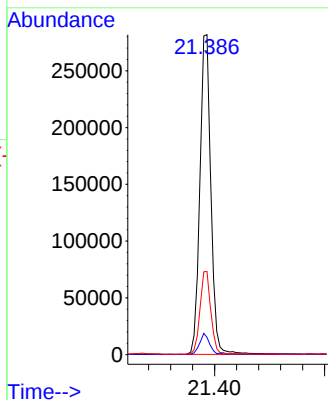
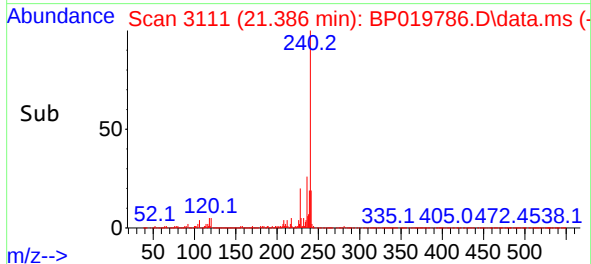
Instrument :
BNA_P
ClientSampleId :
WC-2DDL



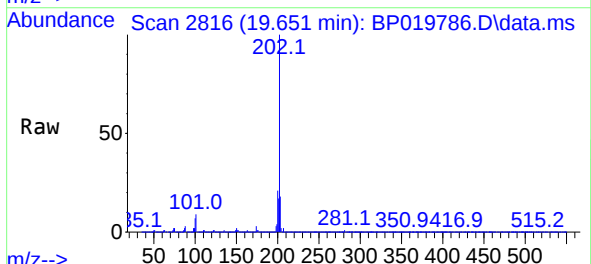
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Ion Ratio Lower Upper
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120 5.4 6.1 9.1
236 26.0 20.7 31.1

Manual Integrations
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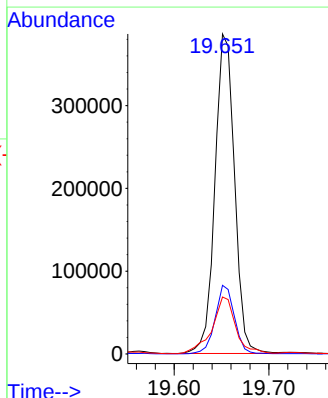
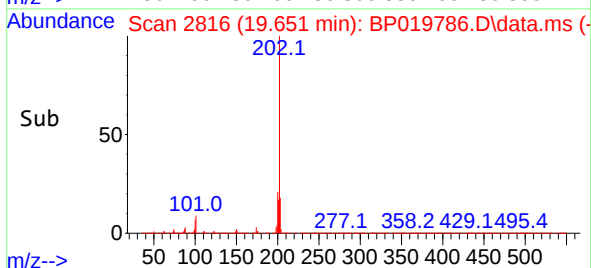
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024

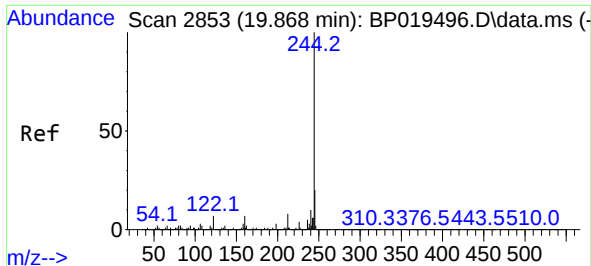


#78
Pyrene
Concen: 20.062 ng
RT: 19.651 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21



Tgt Ion:202 Resp: 554915
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 17.8 14.2 21.2





#79
Terphenyl-d14
Concen: 18.384 ng
RT: 19.857 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

Instrument :

BNA_P

ClientSampleId :

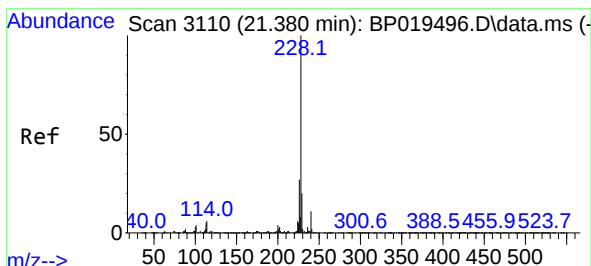
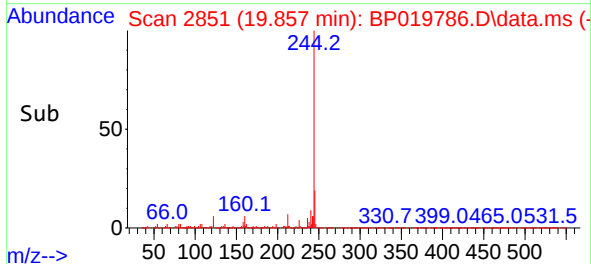
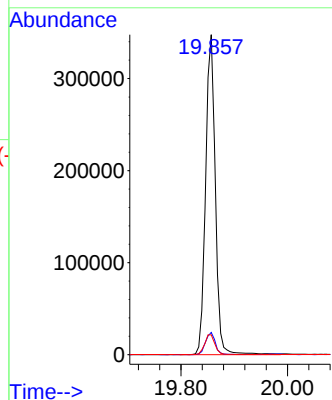
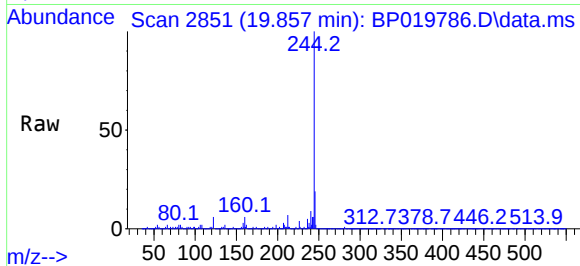
WC-2DDL

Tgt Ion:244 Resp: 43812
Ion Ratio Lower Upper
244 100
212 6.9 6.1 9.1
122 6.2 5.9 8.9

Manual Integrations

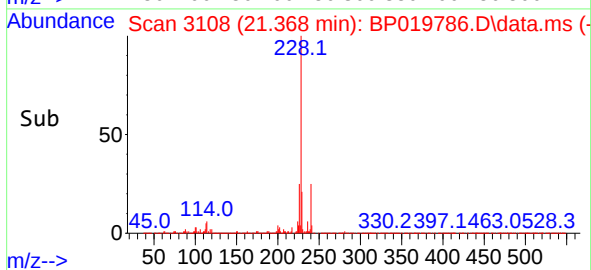
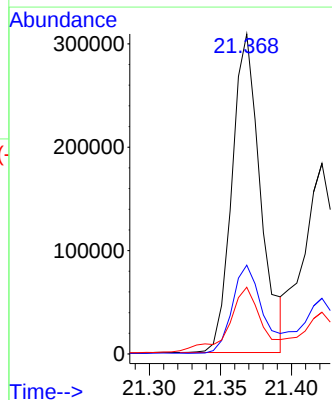
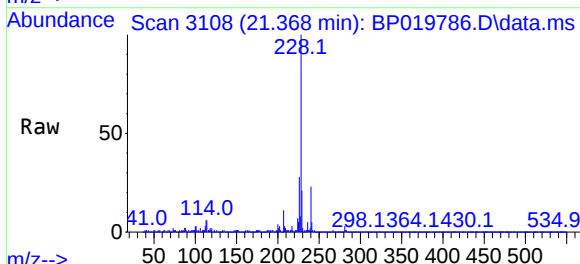
APPROVED

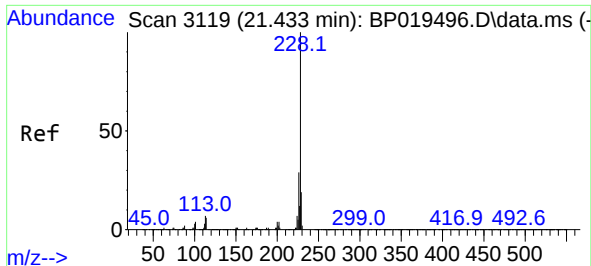
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024



#81
Benzo(a)anthracene
Concen: 15.605 ng
RT: 21.368 min Scan# 3108
Delta R.T. -0.006 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

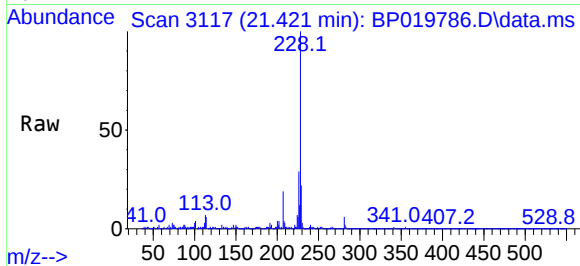
Tgt Ion:228 Resp: 430509
Ion Ratio Lower Upper
228 100
226 27.7 21.7 32.5
229 20.9 15.6 23.4





#83
Chrysene
Concen: 10.843 ng
RT: 21.421 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

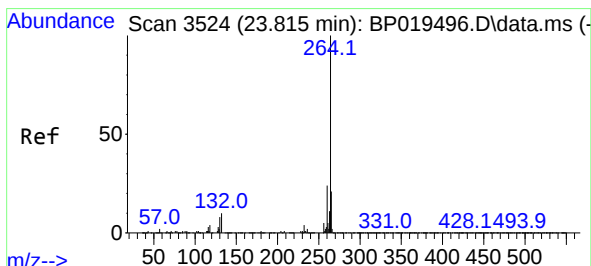
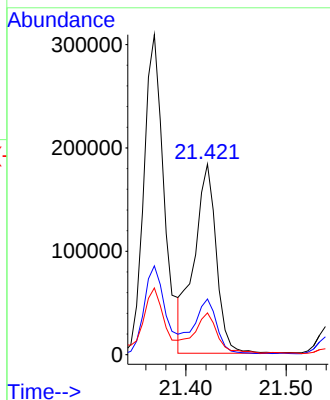
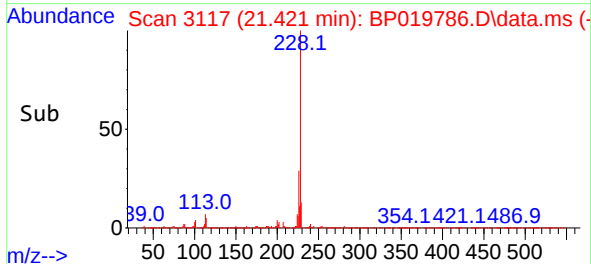
Instrument :
BNA_P
ClientSampleId :
WC-2DDL



Tgt Ion:228 Resp: 284018
Ion Ratio Lower Upper
228 100
226 29.2 23.4 35.2
229 21.9 15.6 23.4

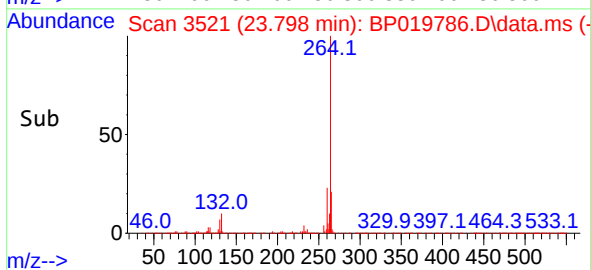
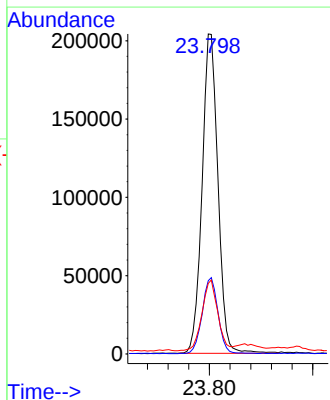
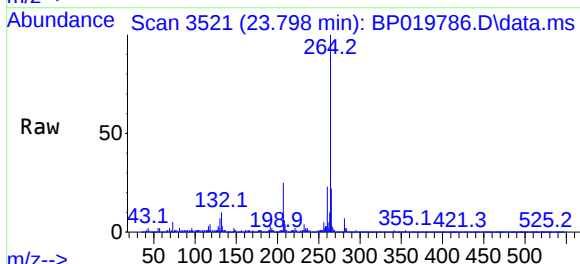
Manual Integrations
APPROVED

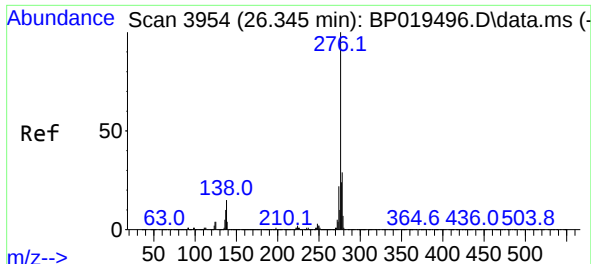
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.798 min Scan# 3521
Delta R.T. -0.012 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

Tgt Ion:264 Resp: 434284
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 22.0 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.948 ng
RT: 26.321 min Scan# 3950
Delta R.T. -0.024 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

Instrument :

BNA_P

ClientSampleId :

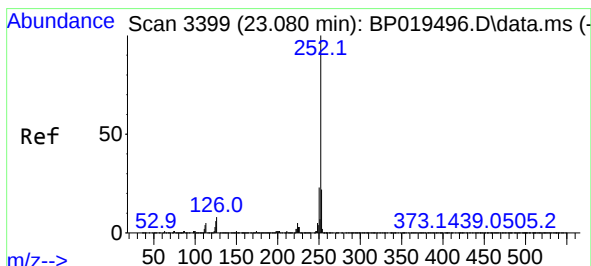
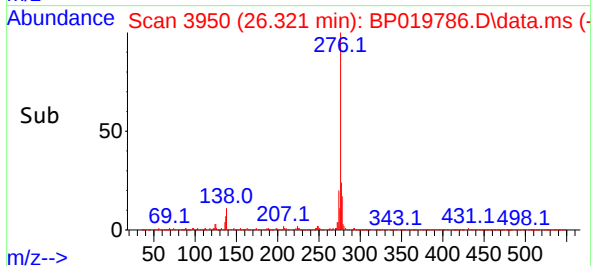
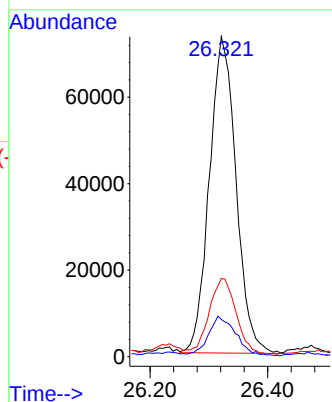
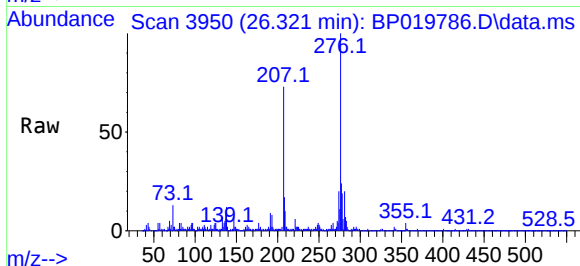
WC-2DDL

Tgt Ion:276 Resp: 23096
Ion Ratio Lower Upper
276 100
138 12.7 13.1 19.7
277 23.7 20.3 30.5

Manual Integrations

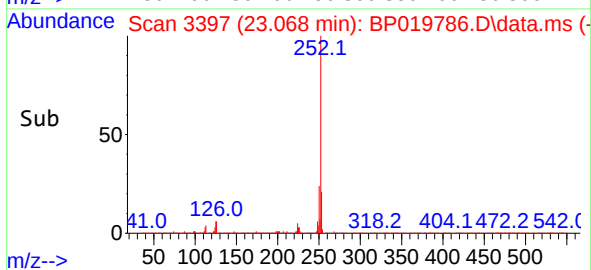
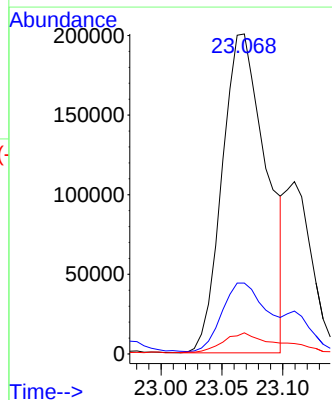
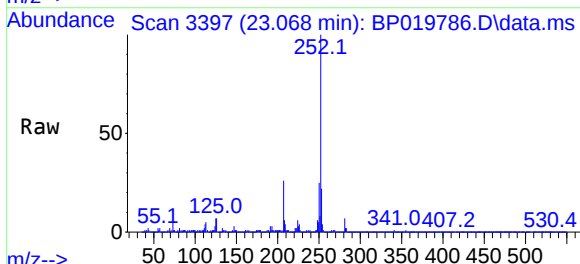
APPROVED

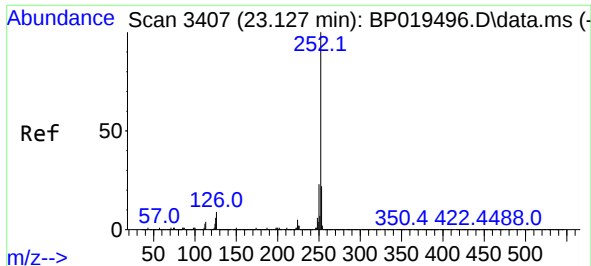
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024



#88
Benzo(b)fluoranthene
Concen: 18.480 ng
RT: 23.068 min Scan# 3397
Delta R.T. -0.006 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

Tgt Ion:252 Resp: 505815
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 6.6 4.9 7.3





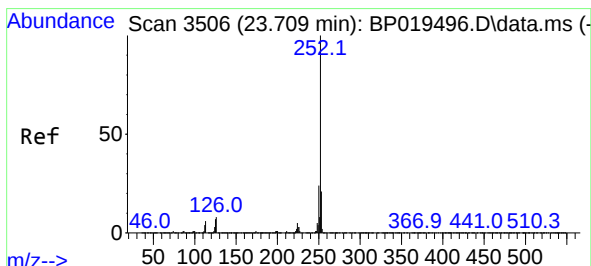
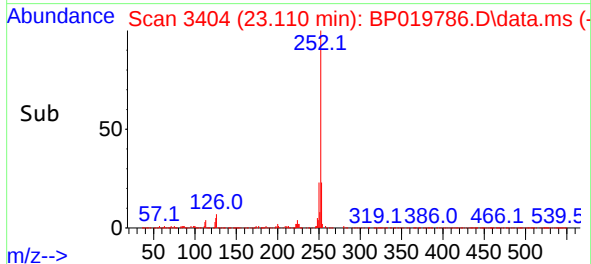
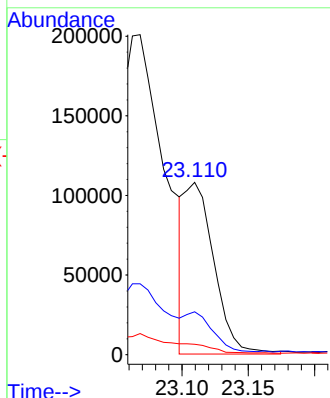
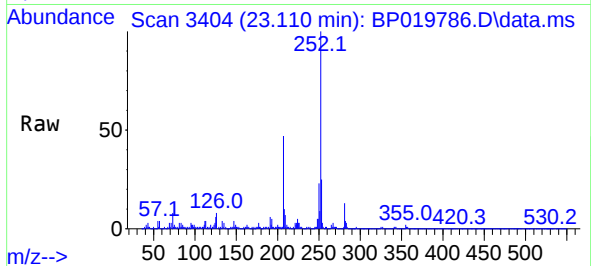
#89
Benzo(k)fluoranthene
Concen: 6.368 ng m
RT: 23.110 min Scan# 3407
Delta R.T. -0.012 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

Instrument :
BNA_P
ClientSampleId :
WC-2DDL

Tgt Ion:252 Resp: 166494
Ion Ratio Lower Upper
252 100
253 24.9 17.1 25.7
125 6.1 5.0 7.6

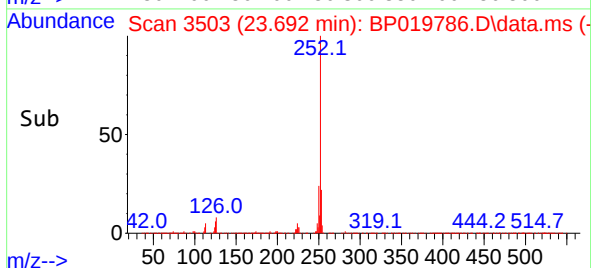
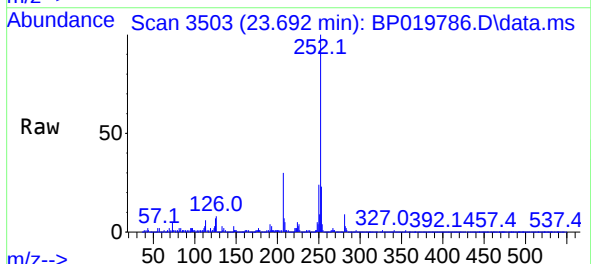
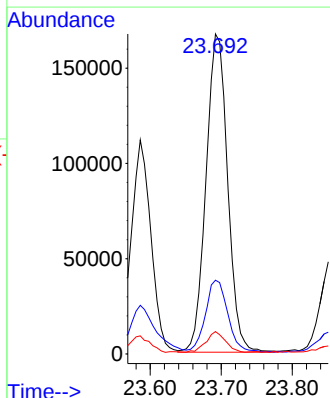
Manual Integrations
APPROVED

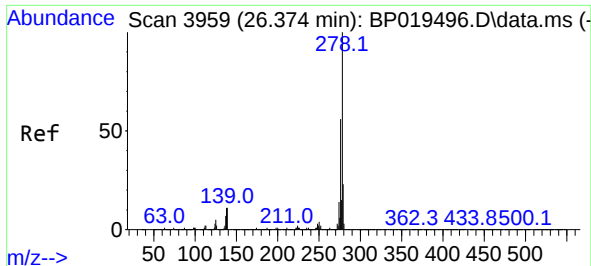
Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024



#90
Benzo(a)pyrene
Concen: 14.509 ng
RT: 23.692 min Scan# 3503
Delta R.T. -0.012 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

Tgt Ion:252 Resp: 353360
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 7.0 5.6 8.4





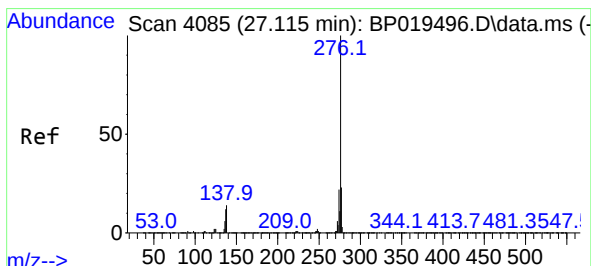
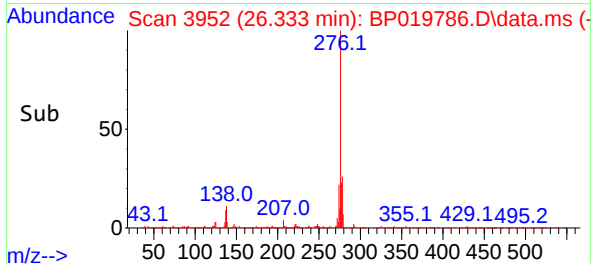
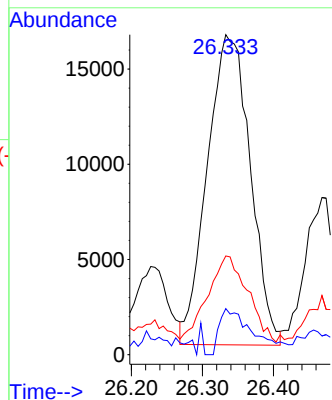
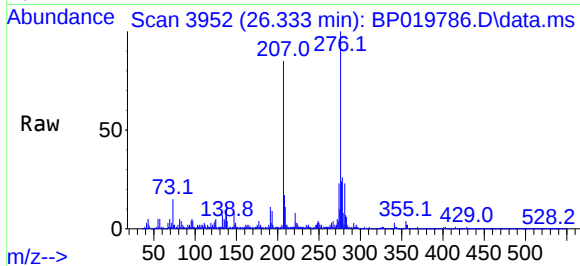
#91
Dibenzo(a,h)anthracene
Concen: 2.505 ng
RT: 26.333 min Scan# 3959
Delta R.T. -0.035 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

Instrument :
BNA_P
ClientSampleId :
WC-2DDL

Tgt Ion:278 Resp: 6850
Ion Ratio Lower Upper
278 100
139 14.4 8.6 12.8
279 30.9 18.5 27.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/21/2024
Supervised By :mohammad ahmed 02/21/2024



#92
Benzo(g,h,i)perylene
Concen: 7.094 ng
RT: 27.103 min Scan# 4083
Delta R.T. -0.018 min
Lab File: BP019786.D
Acq: 20 Feb 2024 15:21

Tgt Ion:276 Resp: 196774
Ion Ratio Lower Upper
276 100
277 24.0 18.6 28.0
138 10.3 10.9 16.3

