

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020824\
 Data File : BP019611.D
 Acq On : 08 Feb 2024 15:47
 Operator : MA/JU
 Sample : P1364-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-3

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/09/2024
 Supervised By :mohammad ahmed 02/09/2024

Quant Time: Feb 08 16:10:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	97809	20.000	ng	0.00
21) Naphthalene-d8	10.704	136	374403	20.000	ng	-0.01
39) Acenaphthene-d10	14.540	164	250991	20.000	ng	-0.01
64) Phenanthrene-d10	17.292	188	557482	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	501903	20.000	ng	0.00
86) Perylene-d12	23.804	264	579916	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	638780	105.273	ng	0.00
7) Phenol-d6	7.081	99	902576	110.317	ng	0.00
23) Nitrobenzene-d5	9.075	82	583850	67.572	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	487480	133.022	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	1416185	69.753	ng	-0.01
79) Terphenyl-d14	19.863	244	2338113	76.611	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.334	178	624414	21.283	ng	99
72) Anthracene	17.428	178	138607	4.736	ng	99
73) Carbazole	17.704	167	68056	2.560	ng	99
75) Fluoranthene	19.304	202	1165995	32.533	ng	100
78) Pyrene	19.657	202	1040404	29.372	ng	99
81) Benzo(a)anthracene	21.369	228	586738	16.607	ng	98
83) Chrysene	21.422	228	529276	15.779	ng	97
87) Indeno(1,2,3-cd)pyrene	26.321	276	353962	7.974	ng	96
88) Benzo(b)fluoranthene	23.068	252	705731	19.309	ng	# 97
89) Benzo(k)fluoranthene	23.110	252	238104m	6.820	ng	
90) Benzo(a)pyrene	23.692	252	510604	15.701	ng	97
91) Dibenzo(a,h)anthracene	26.333	278	92665	2.538	ng	# 84
92) Benzo(g,h,i)perylene	27.098	276	335165	9.049	ng	99

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

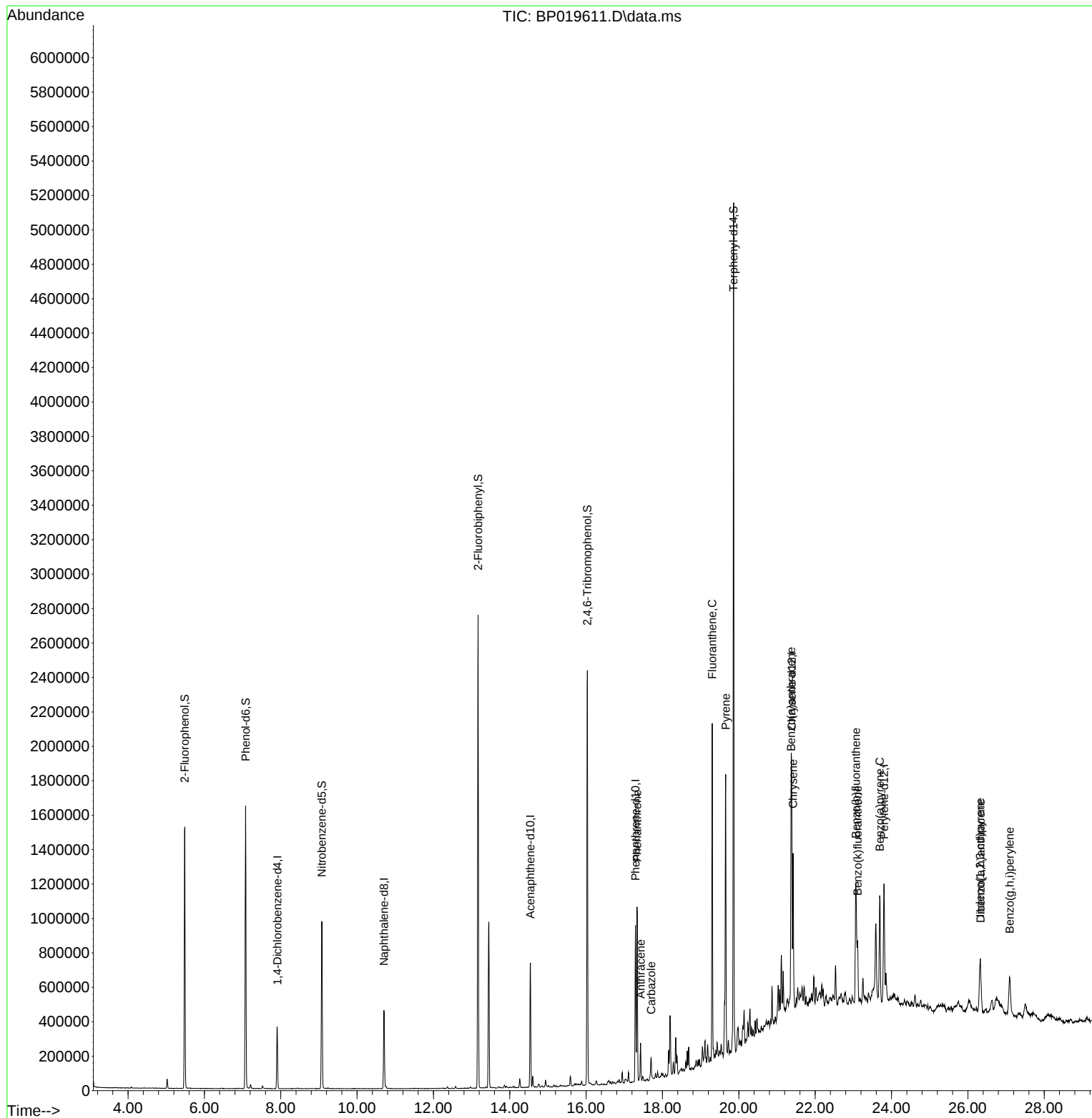
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020824\
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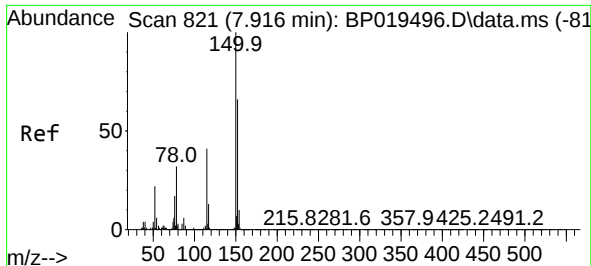
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
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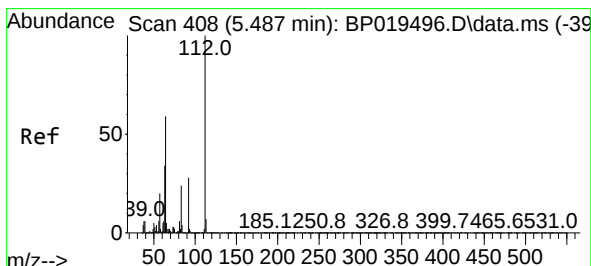
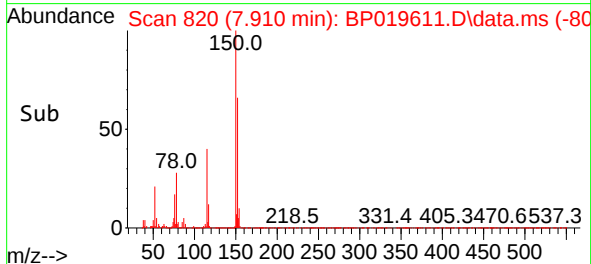
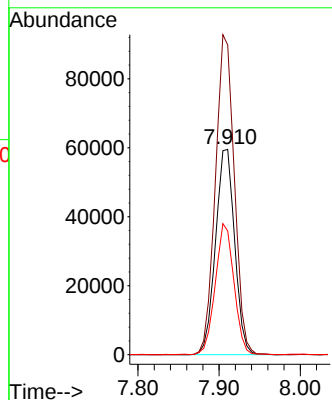
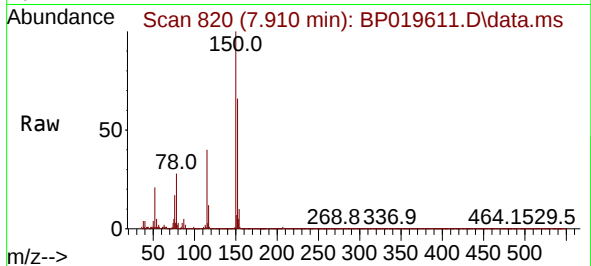
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

Instrument :
BNA_P
ClientSampleId :
COMP-3

Tgt Ion:152 Resp: 97809
Ion Ratio Lower Upper
152 100
150 150.8 121.8 182.8
115 60.2 49.9 74.9

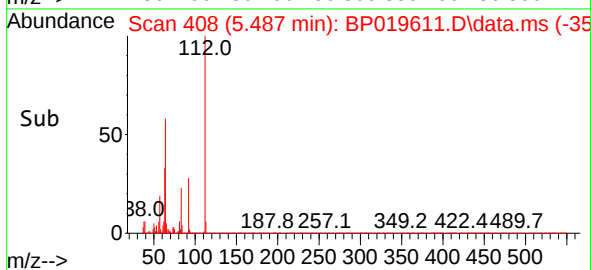
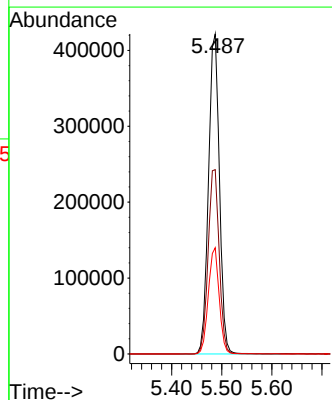
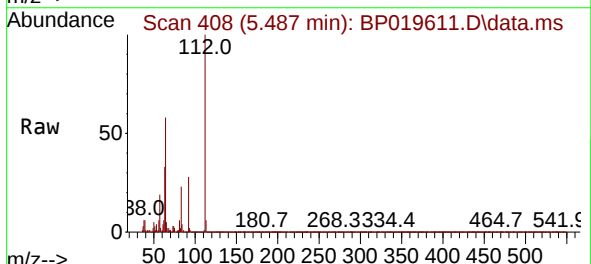
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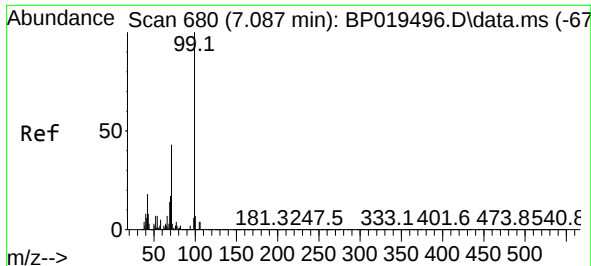
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#5
2-Fluorophenol
Concen: 105.273 ng
RT: 5.487 min Scan# 408
Delta R.T. 0.000 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

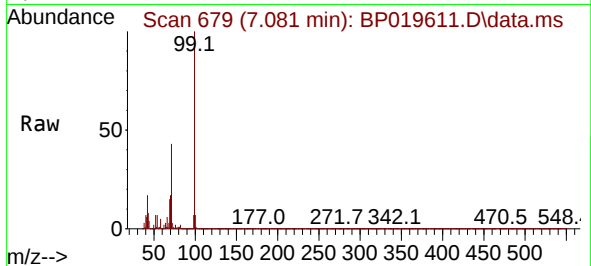
Tgt Ion:112 Resp: 638780
Ion Ratio Lower Upper
112 100
64 57.6 47.4 71.0
63 33.2 27.0 40.6





#7
Phenol-d6
Concen: 110.317 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

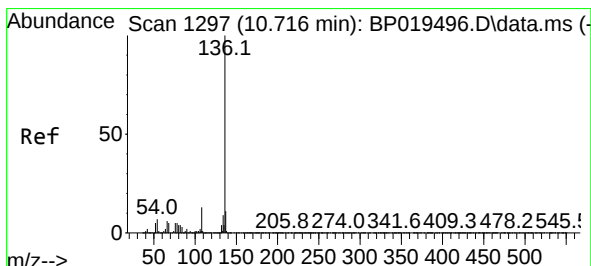
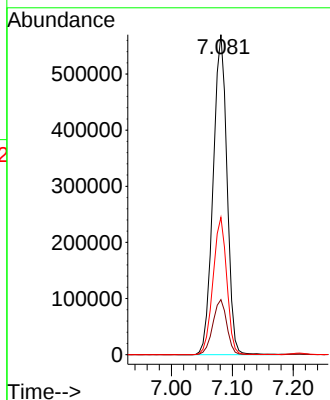
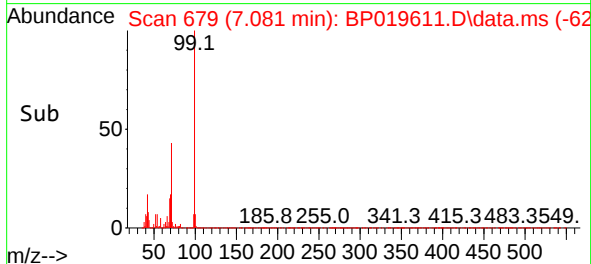
Instrument :
BNA_P
ClientSampleId :
COMP-3



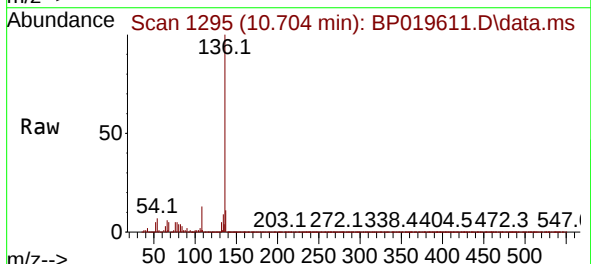
Tgt Ion: 99 Resp: 902570
Ion Ratio Lower Upper
99 100
42 17.2 14.7 22.1
71 42.9 34.8 52.2

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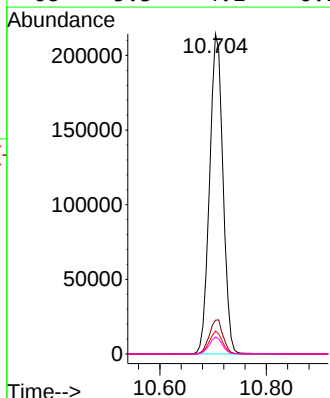
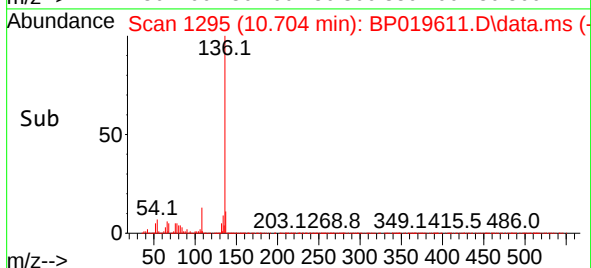
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Supervised By :mohammad ahmed 02/09/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.011 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47



Tgt Ion:136 Resp: 374403
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.2 5.3 7.9
68 5.3 4.1 6.1





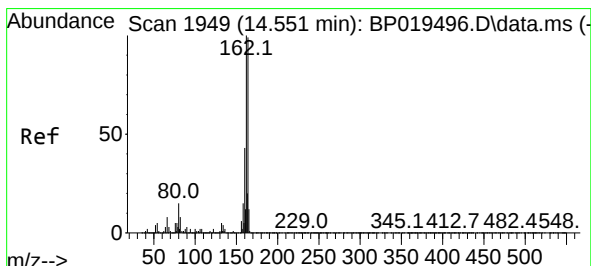
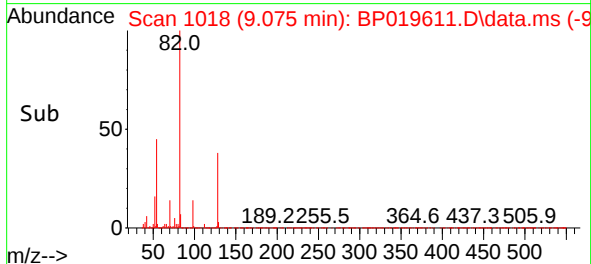
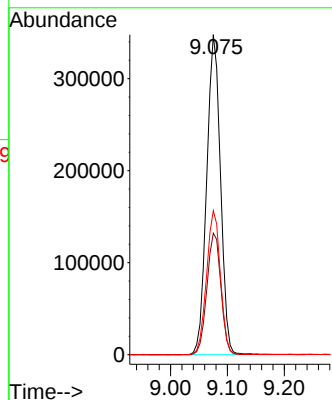
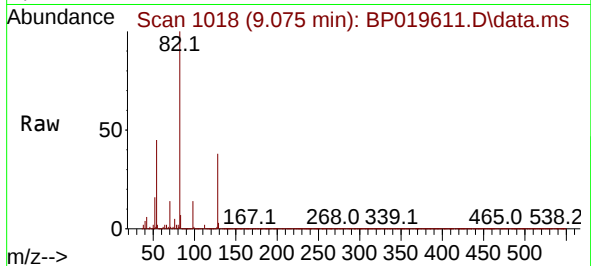
#23
Nitrobenzene-d5
Concen: 67.572 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.011 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

Instrument :
BNA_P
ClientSampleId :
COMP-3

Tgt Ion: 82 Resp: 583850
Ion Ratio Lower Upper
82 100
128 37.9 29.7 44.5
54 45.0 36.8 55.2

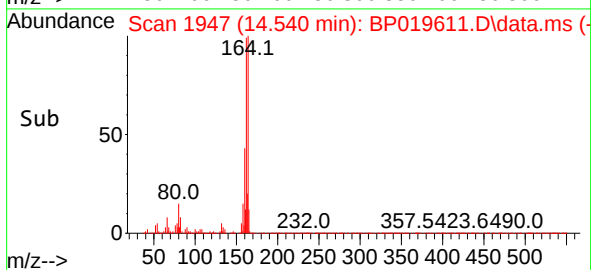
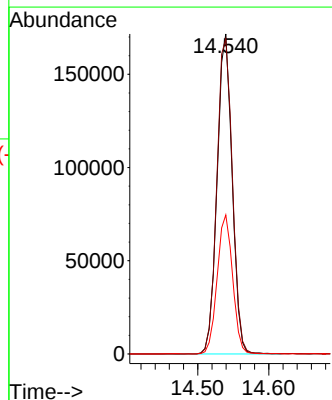
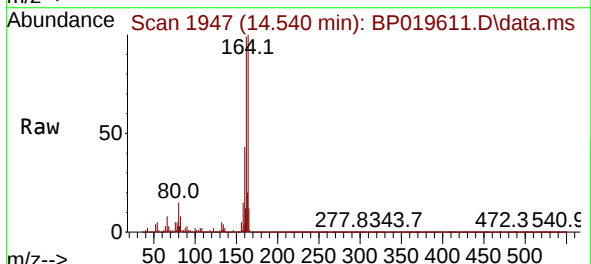
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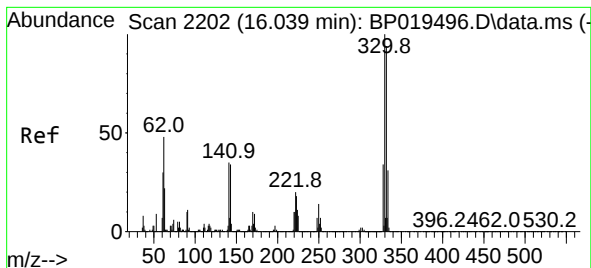
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.540 min Scan# 1947
Delta R.T. -0.011 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

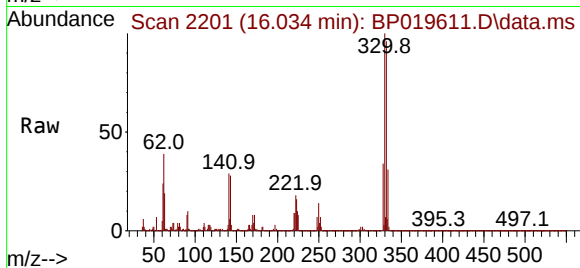
Tgt Ion:164 Resp: 250991
Ion Ratio Lower Upper
164 100
162 98.5 81.2 121.8
160 43.5 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 133.022 ng
RT: 16.034 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

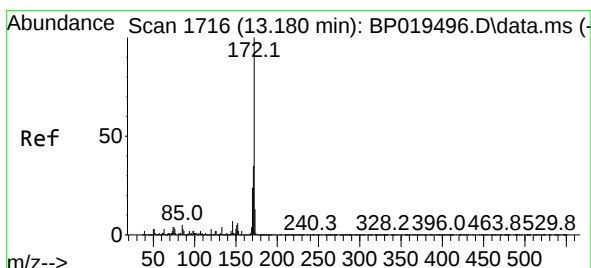
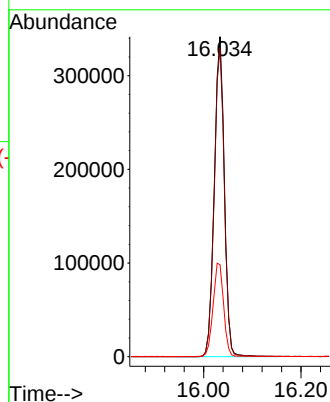
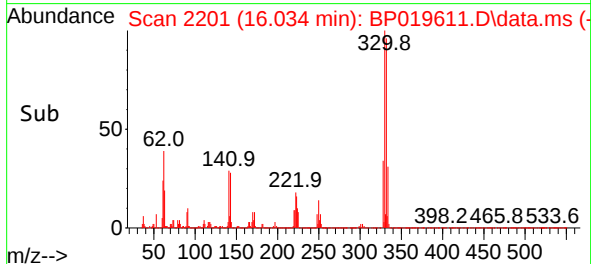
Instrument :
BNA_P
ClientSampleId :
COMP-3



Tgt Ion:330 Resp: 487480
Ion Ratio Lower Upper
330 100
332 97.0 77.2 115.8
141 30.7 27.0 40.4

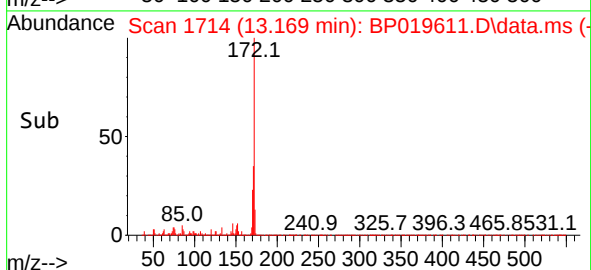
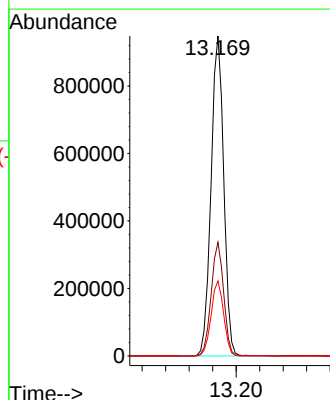
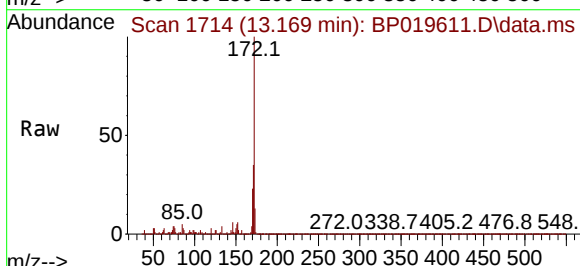
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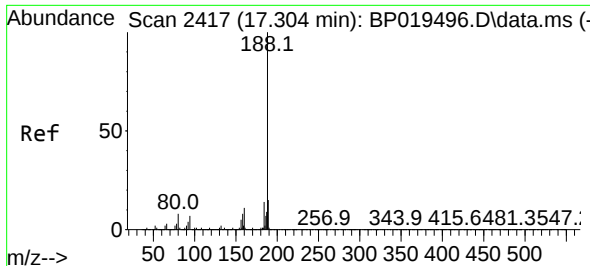
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#45
2-Fluorobiphenyl
Concen: 69.753 ng
RT: 13.169 min Scan# 1714
Delta R.T. -0.011 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

Tgt Ion:172 Resp: 1416185
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.4
170 23.5 18.9 28.3





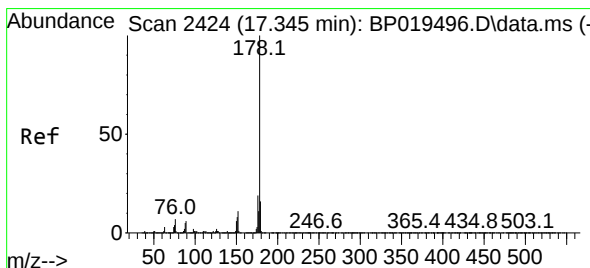
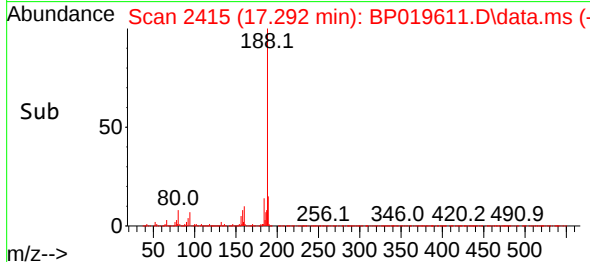
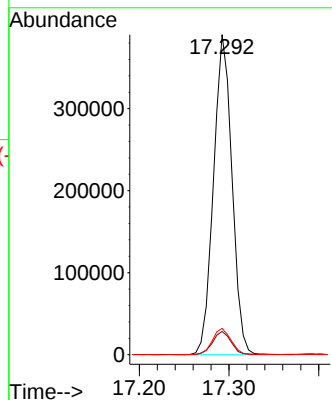
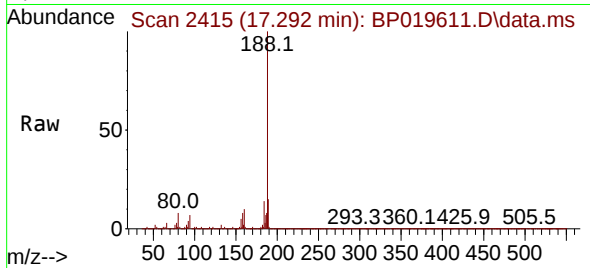
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.292 min Scan# 2415
Delta R.T. -0.012 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

Instrument :
BNA_P
ClientSampleId :
COMP-3

Tgt Ion:188 Resp: 55748
Ion Ratio Lower Upper
188 100
94 7.3 5.4 8.2
80 8.2 6.3 9.5

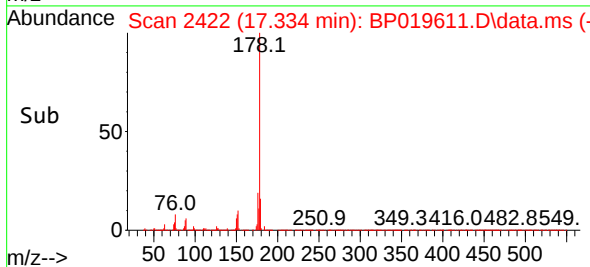
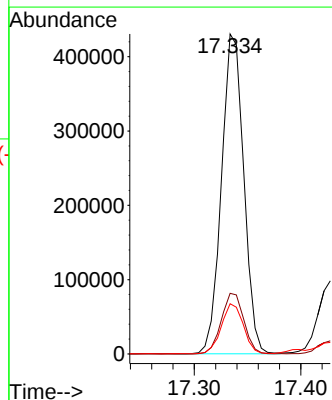
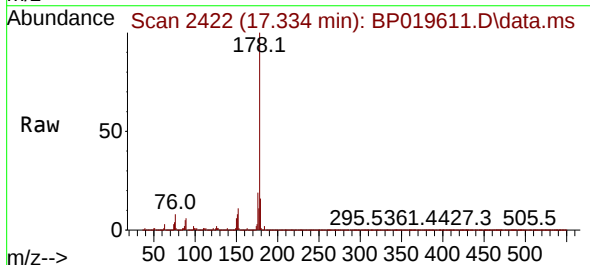
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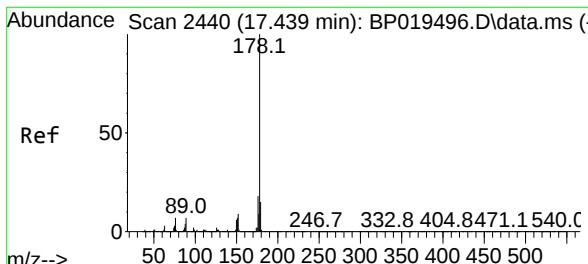
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Supervised By :mohammad ahmed 02/09/2024



#71
Phenanthrene
Concen: 21.283 ng
RT: 17.334 min Scan# 2422
Delta R.T. -0.011 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

Tgt Ion:178 Resp: 624414
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.7 12.6 19.0





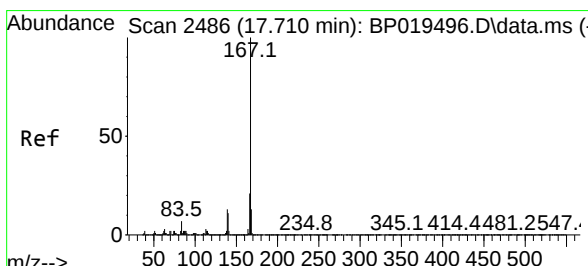
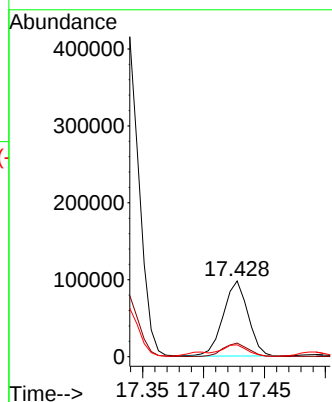
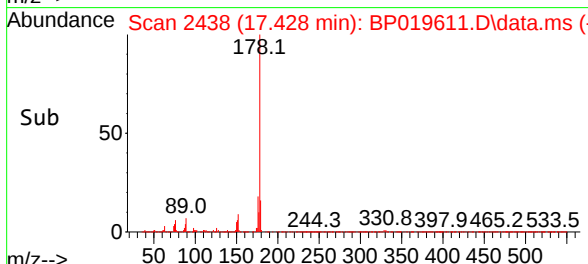
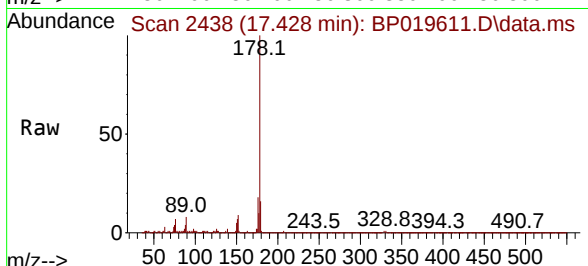
#72
 Anthracene
 Concen: 4.736 ng
 RT: 17.428 min Scan# 2440
 Delta R.T. -0.011 min
 Lab File: BP019611.D
 Acq: 08 Feb 2024 15:47

Instrument :
 BNA_P
 ClientSampleId :
 COMP-3

Tgt Ion:	178	Resp:	13860
Ion Ratio	Lower	Upper	
178	100		
176	17.9	14.7	22.1
179	15.7	12.2	18.2

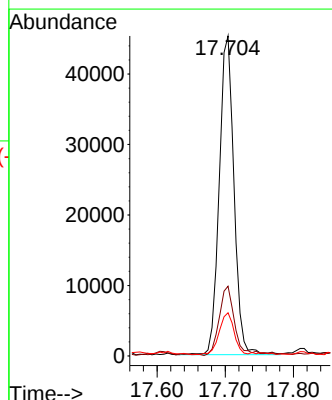
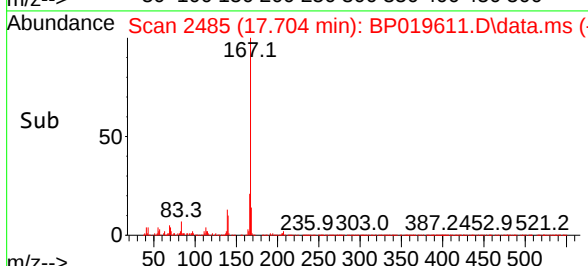
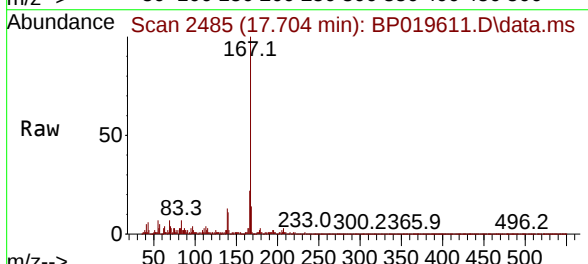
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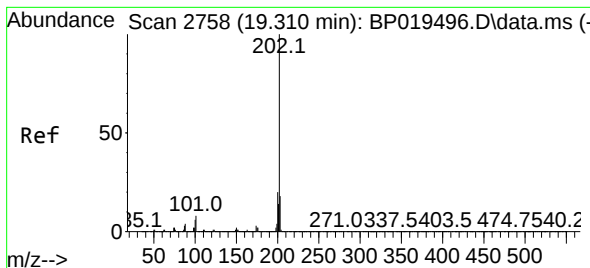
Reviewed By :Jagrut Upadhyay 02/09/2024
 Supervised By :mohammad ahmed 02/09/2024



#73
 Carbazole
 Concen: 2.560 ng
 RT: 17.704 min Scan# 2485
 Delta R.T. -0.006 min
 Lab File: BP019611.D
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Tgt Ion:	167	Resp:	68056
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.2	25.8
139	13.5	10.6	15.8





#75

Fluoranthene

Concen: 32.533 ng

RT: 19.304 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

Instrument :

BNA_P

ClientSampleId :

COMP-3

Tgt Ion:202 Resp: 116599

Ion Ratio Lower Upper

202 100

101 7.5 0.0 27.7

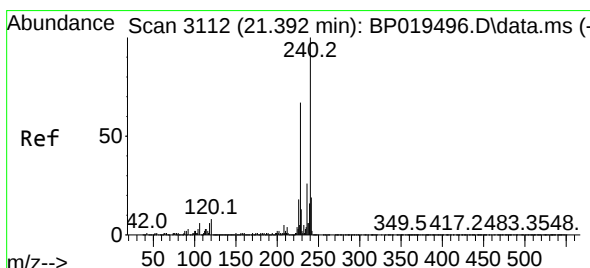
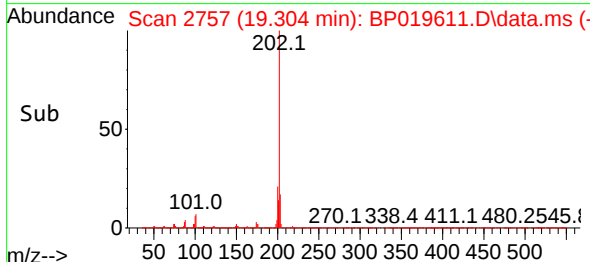
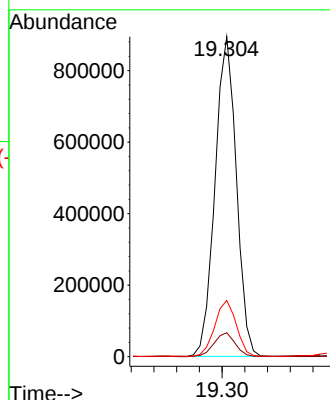
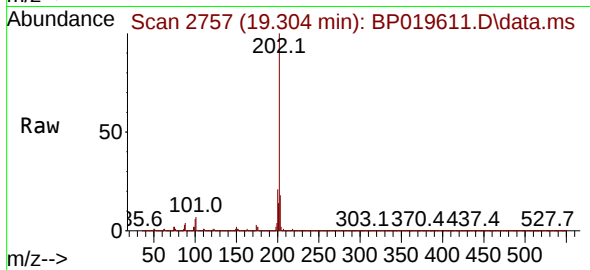
203 17.5 0.0 37.5

Manual Integrations

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Supervised By :mohammad ahmed 02/09/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

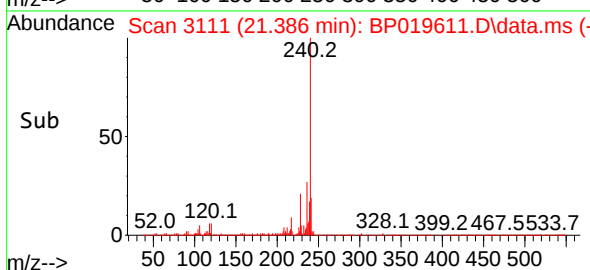
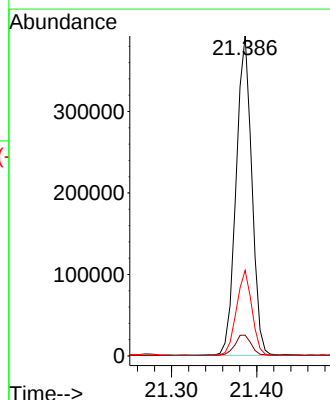
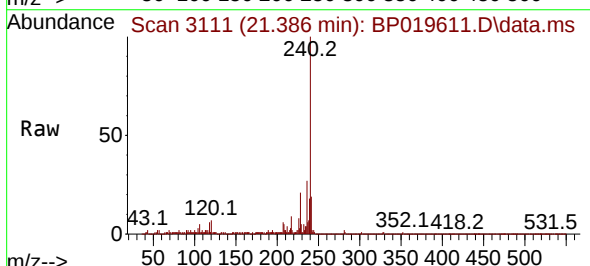
Tgt Ion:240 Resp: 501903

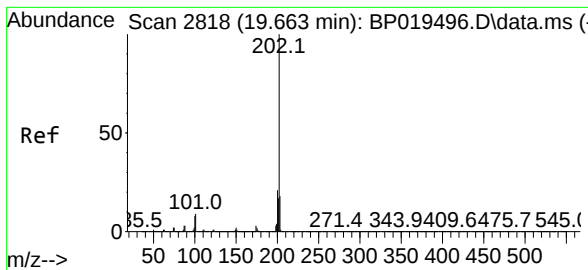
Ion Ratio Lower Upper

240 100

120 6.5 6.1 9.1

236 26.8 20.7 31.1





#78

Pyrene

Concen: 29.372 ng

RT: 19.657 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

Instrument :

BNA_P

ClientSampleId :

COMP-3

Tgt Ion:202 Resp: 1040404

Ion Ratio Lower Upper

202 100

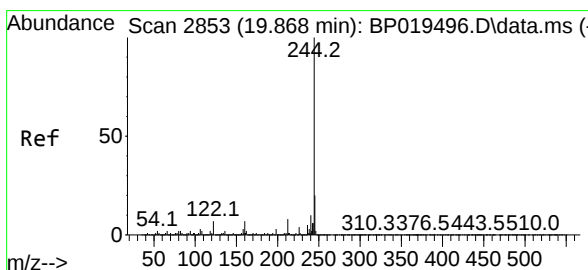
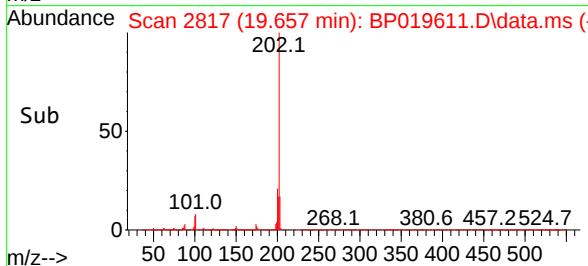
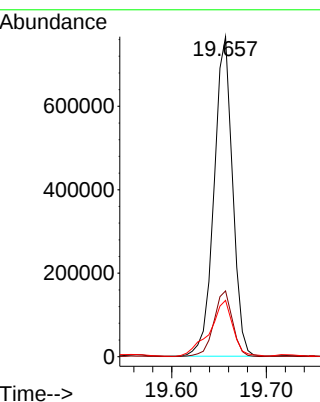
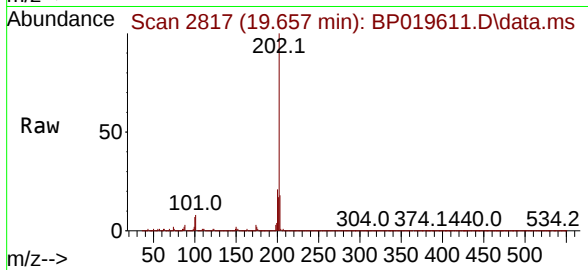
200 20.5 16.9 25.3

203 17.6 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#79

Terphenyl-d14

Concen: 76.611 ng

RT: 19.863 min Scan# 2852

Delta R.T. -0.006 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

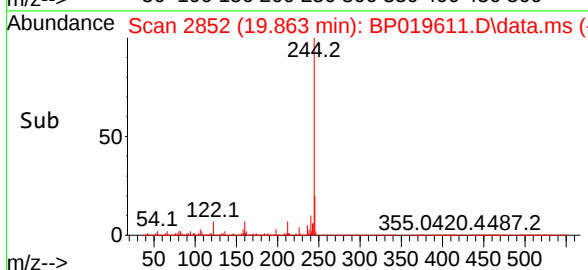
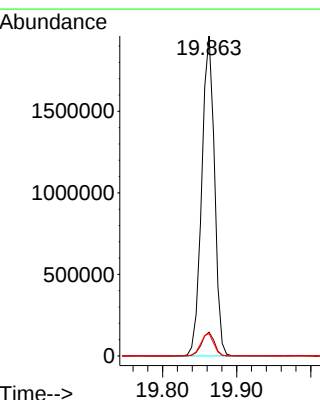
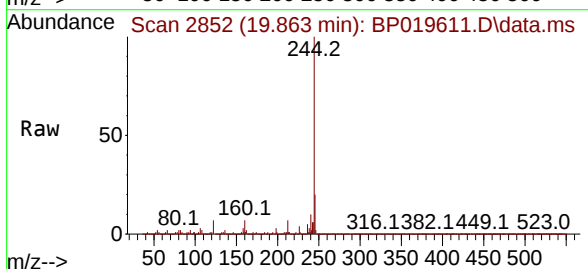
Tgt Ion:244 Resp: 2338113

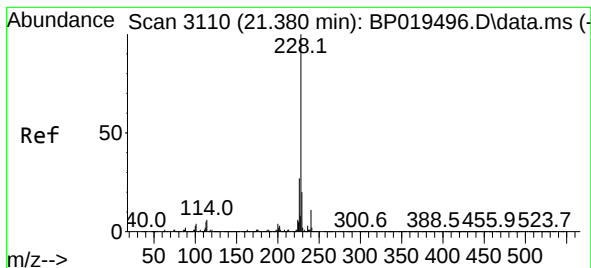
Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

122 7.0 5.9 8.9





#81

Benzo(a)anthracene

Concen: 16.607 ng

RT: 21.369 min Scan# 3110

Delta R.T. -0.011 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

Instrument :

BNA_P

ClientSampleId :

COMP-3

Tgt Ion:228 Resp: 586738

Ion Ratio Lower Upper

228 100

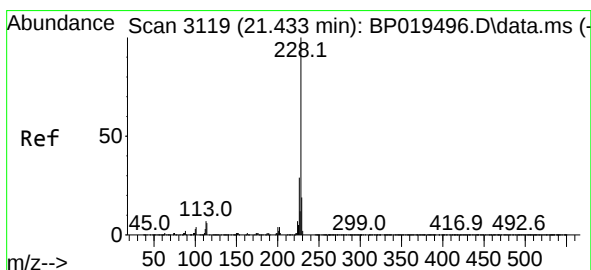
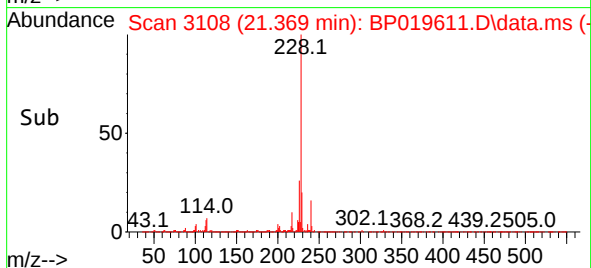
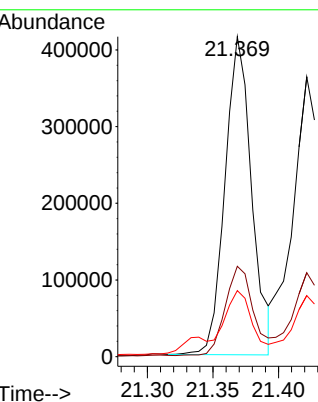
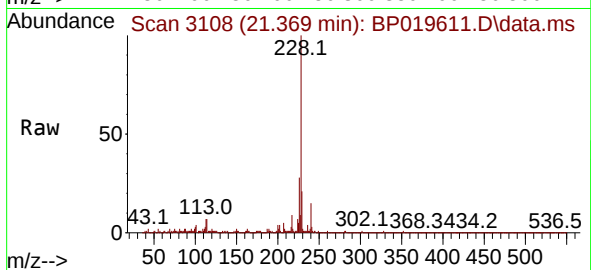
226 28.2 21.7 32.5

229 20.6 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#83

Chrysene

Concen: 15.779 ng

RT: 21.422 min Scan# 3117

Delta R.T. -0.011 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

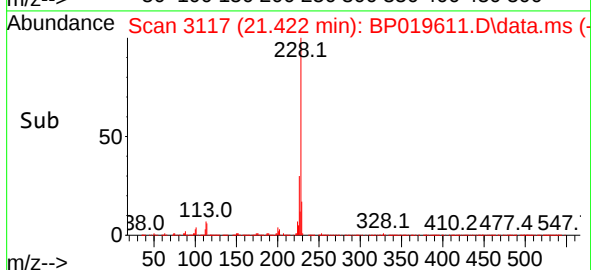
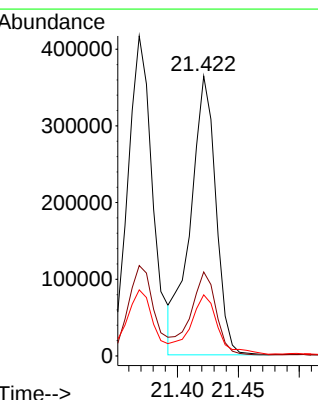
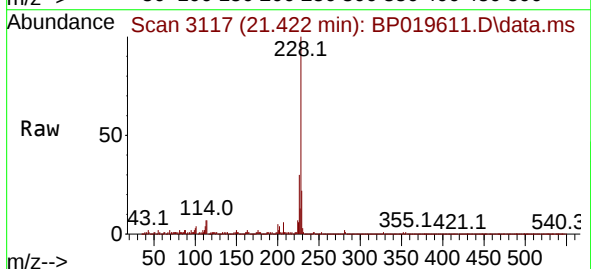
Tgt Ion:228 Resp: 529276

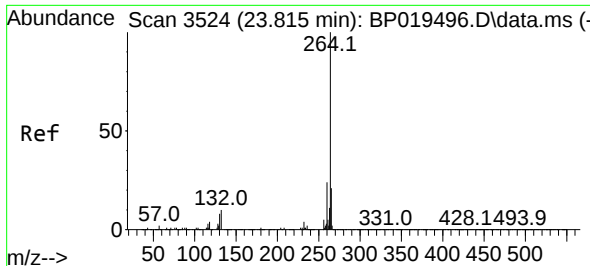
Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

229 21.9 15.6 23.4





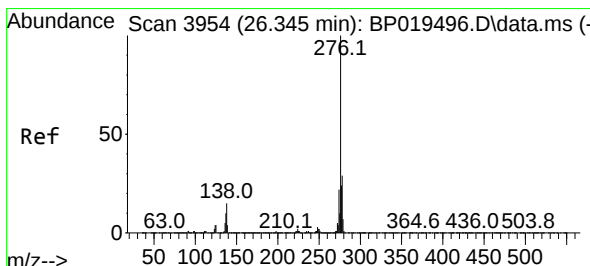
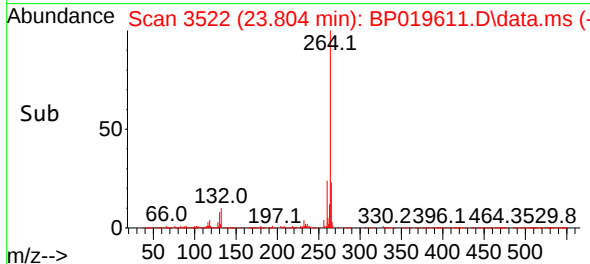
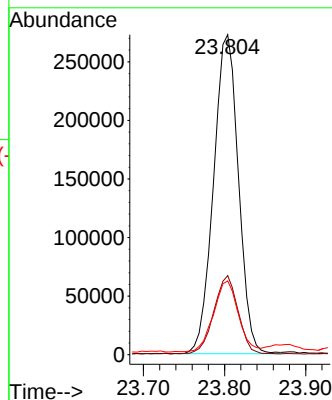
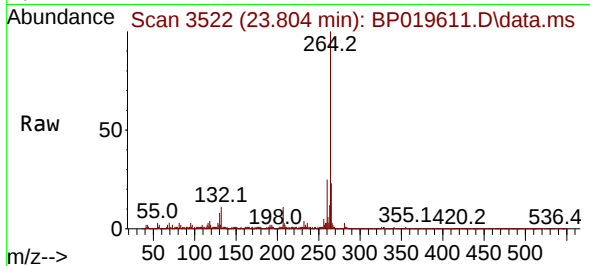
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.804 min Scan# 3524
Delta R.T. -0.011 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

Instrument :
BNA_P
ClientSampleId :
COMP-3

Tgt Ion:264 Resp: 579910
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 23.1 17.0 25.4

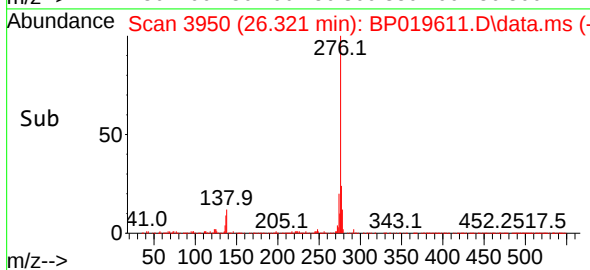
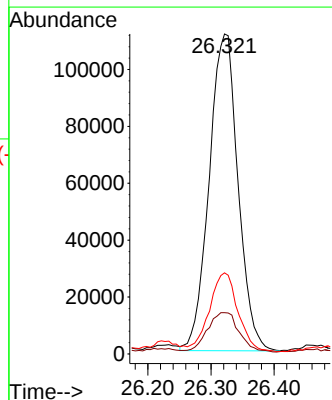
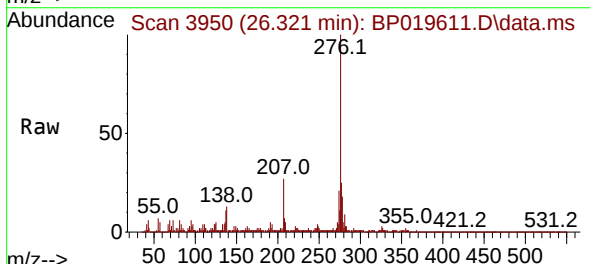
Manual Integrations
APPROVED

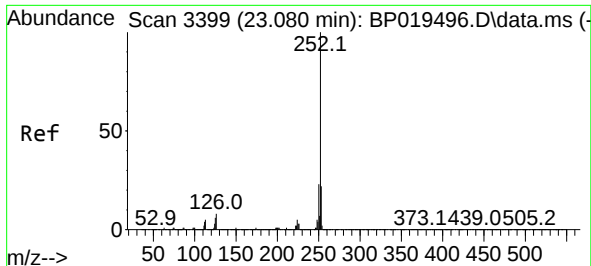
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.974 ng
RT: 26.321 min Scan# 3950
Delta R.T. -0.023 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

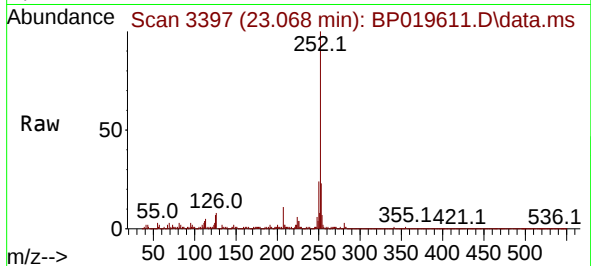
Tgt Ion:276 Resp: 353962
Ion Ratio Lower Upper
276 100
138 13.6 13.1 19.7
277 24.5 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 19.309 ng
RT: 23.068 min Scan# 31
Delta R.T. -0.011 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

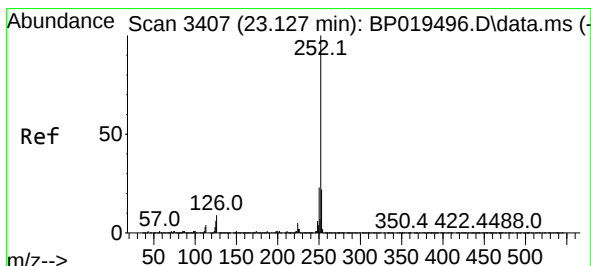
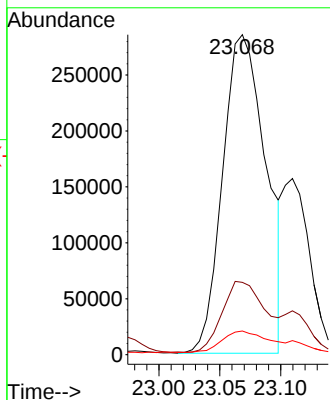
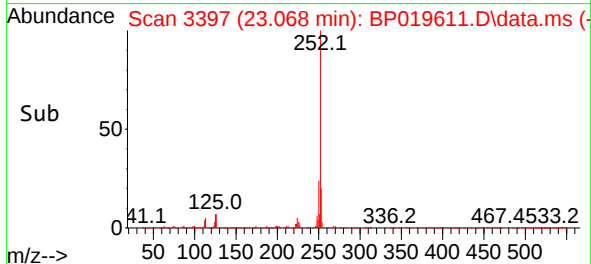
Instrument :
BNA_P
ClientSampleId :
COMP-3



Tgt Ion:252 Resp: 70573
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 7.4 4.9 7.3

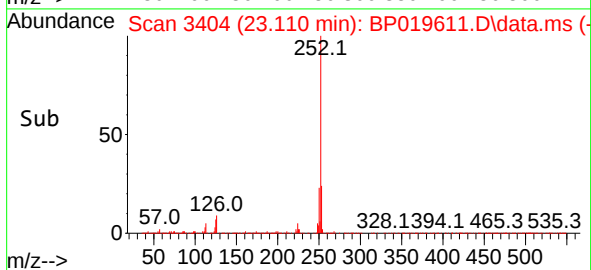
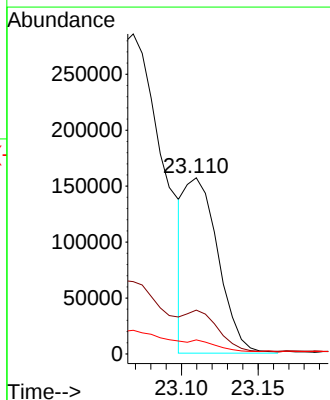
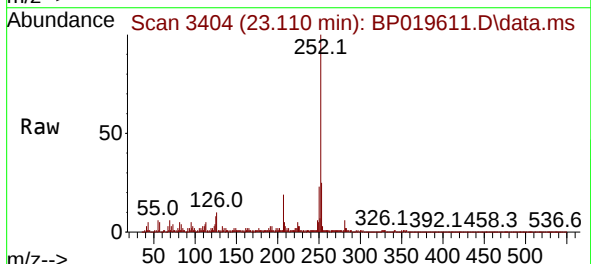
Manual Integrations
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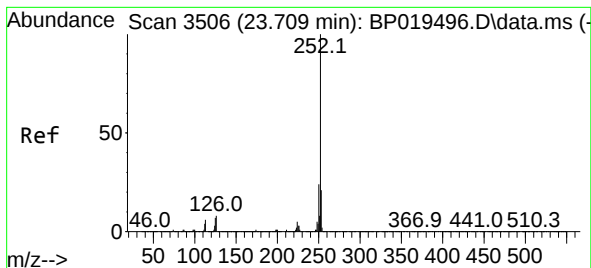
Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#89
Benzo(k)fluoranthene
Concen: 6.820 ng m
RT: 23.110 min Scan# 3404
Delta R.T. -0.017 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

Tgt Ion:252 Resp: 238104
Ion Ratio Lower Upper
252 100
253 24.9 17.1 25.7
125 8.0 5.0 7.6





#90

Benzo(a)pyrene

Concen: 15.701 ng

RT: 23.692 min Scan# 3503

Delta R.T. -0.017 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

Instrument :

BNA_P

ClientSampleId :

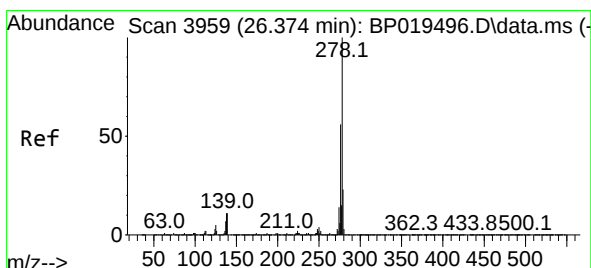
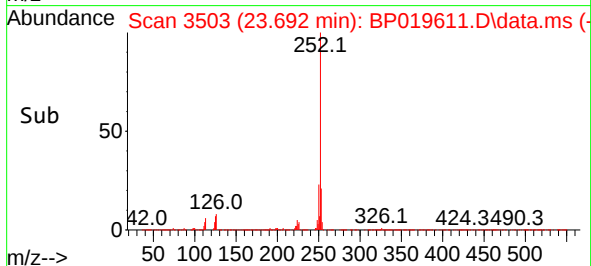
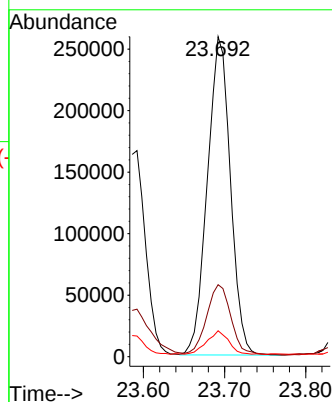
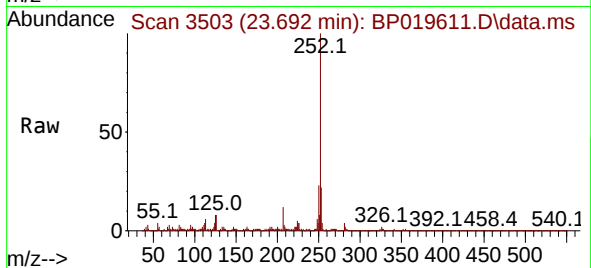
COMP-3

Tgt Ion:	252	Resp:	510604
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.1	25.7
125	8.1	5.6	8.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/09/2024
Supervised By :mohammad ahmed 02/09/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.538 ng

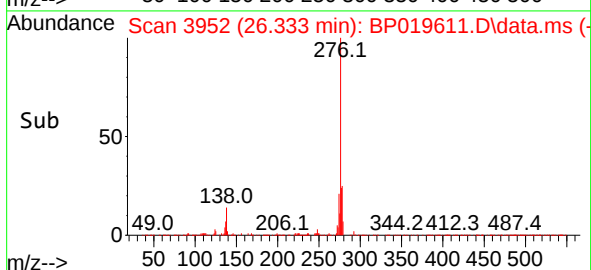
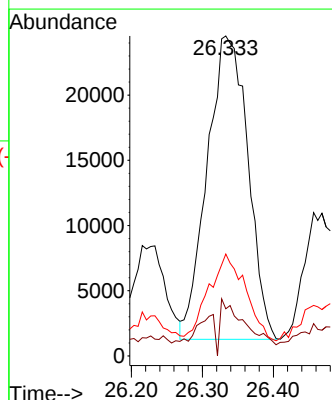
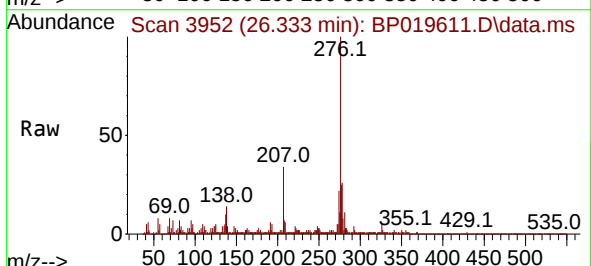
RT: 26.333 min Scan# 3952

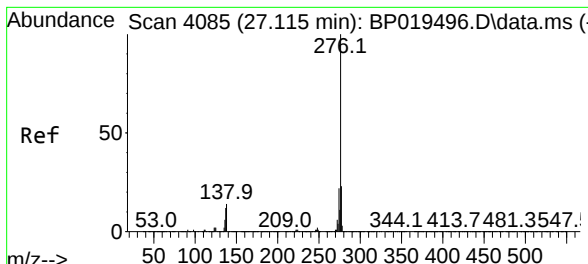
Delta R.T. -0.041 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

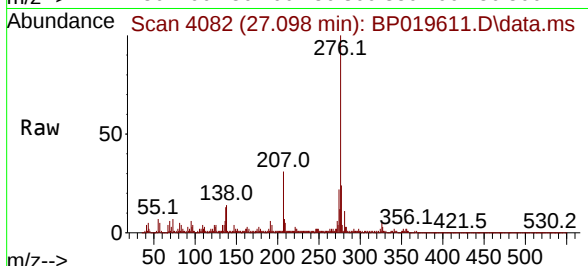
Tgt Ion:	278	Resp:	92665
Ion Ratio	Lower	Upper	
278	100		
139	14.8	8.6	12.8#
279	31.8	18.5	27.7#





#92
 Benzo(g,h,i)perylene
 Concen: 9.049 ng
 RT: 27.098 min Scan# 4082
 Delta R.T. -0.017 min
 Lab File: BP019611.D
 Acq: 08 Feb 2024 15:47

Instrument :
 BNA_P
 ClientSampleId :
 COMP-3



Tgt Ion: 276 Resp: 33516

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	14.1	10.9	16.3

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/09/2024
 Supervised By :mohammad ahmed 02/09/2024

