

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022924\
 Data File : BP019949.D
 Acq On : 29 Feb 2024 21:54
 Operator : MA/JU
 Sample : P1622-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HD-02-022824

Manual Integrations
 APPROVED

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

Quant Time: Mar 01 03:45:42 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	66965	20.000	ng	-0.02
21) Naphthalene-d8	10.699	136	266698	20.000	ng	-0.02
39) Acenaphthene-d10	14.540	164	204733	20.000	ng	-0.02
64) Phenanthrene-d10	17.304	188	497783	20.000	ng	-0.02
76) Chrysene-d12	21.410	240	426267	20.000	ng	-0.02
86) Perylene-d12	23.845	264	447459	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.470	112	101172	24.798	ng	-0.01
7) Phenol-d6	7.069	99	137849	22.694	ng	-0.02
23) Nitrobenzene-d5	9.069	82	95678	14.483	ng	-0.02
42) 2,4,6-Tribromophenol	16.045	330	96129	27.384	ng	-0.02
45) 2-Fluorobiphenyl	13.163	172	238050	15.710	ng	-0.02
79) Terphenyl-d14	19.875	244	484898	17.929	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.345	178	163228	6.143	ng	99
72) Anthracene	17.439	178	60365	2.226	ng	96
75) Fluoranthene	19.322	202	351900	10.205	ng	99
78) Pyrene	19.675	202	408011	13.931	ng	99
81) Benzo(a)anthracene	21.392	228	208329	6.885	ng	96
83) Chrysene	21.445	228	185306m	6.536	ng	
87) Indeno(1,2,3-cd)pyrene	26.392	276	91747	2.912	ng	97
88) Benzo(b)fluoranthene	23.098	252	196662	7.169	ng	# 86
89) Benzo(k)fluoranthene	23.145	252	59966m	2.229	ng	
90) Benzo(a)pyrene	23.733	252	160810	6.134	ng	# 91
92) Benzo(g,h,i)perylene	27.174	276	86767	3.394	ng	# 89

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

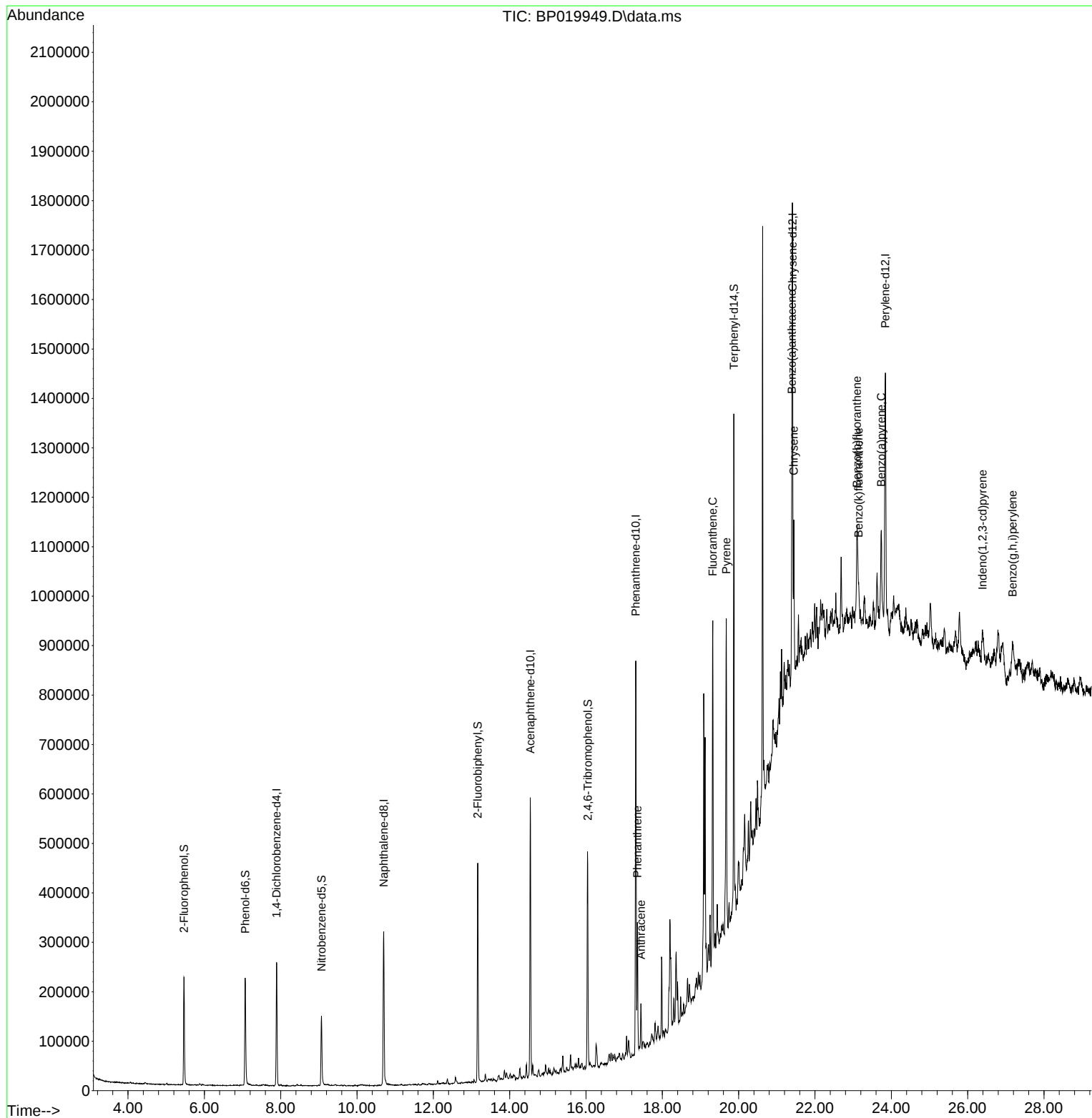
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Data File : BP019949.D
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ALS Vial : 21 Sample Multiplier: 1

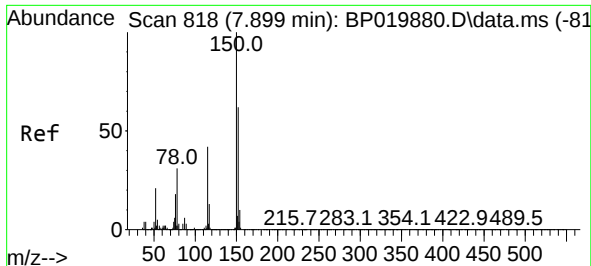
Instrument :
BNA_P
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HD-02-022824

Quant Time: Mar 01 03:45:42 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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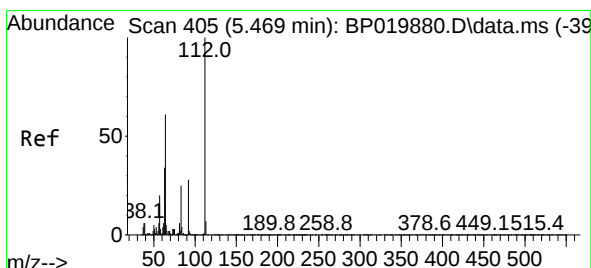
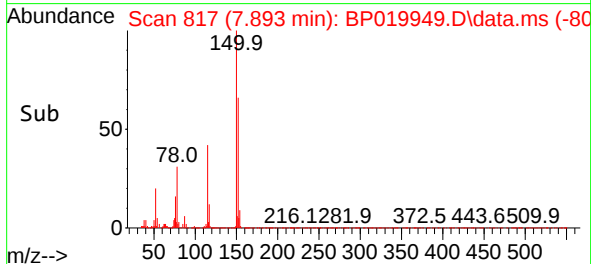
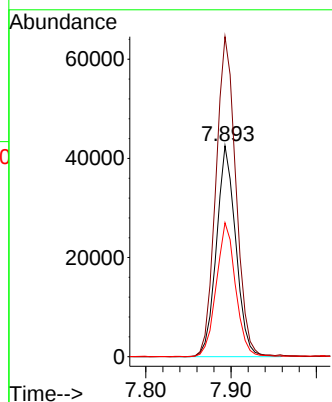
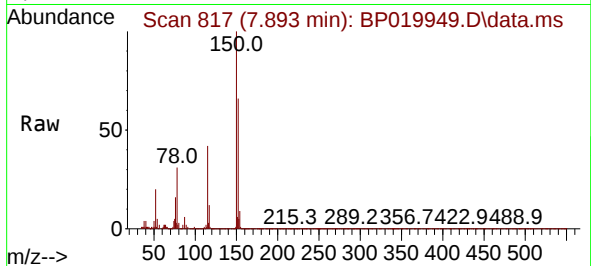
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 818
Delta R.T. -0.017 min
Lab File: BP019949.D
Acq: 29 Feb 2024 21:54

Instrument :
BNA_P
ClientSampleId :
HD-02-022824

Tgt Ion:152 Resp: 6696
Ion Ratio Lower Upper
152 100
150 151.8 128.6 192.8
115 63.5 53.4 80.2

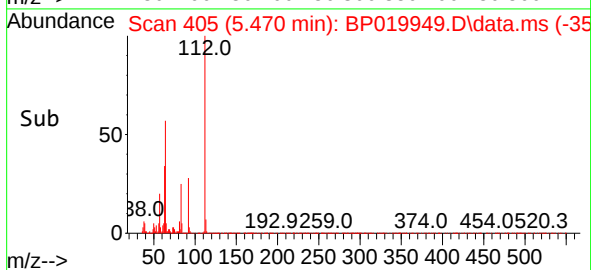
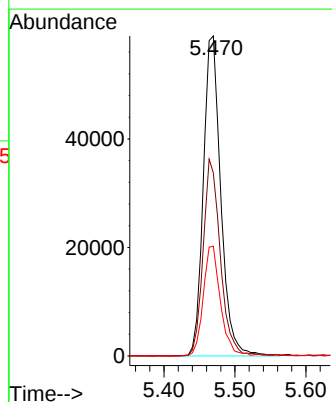
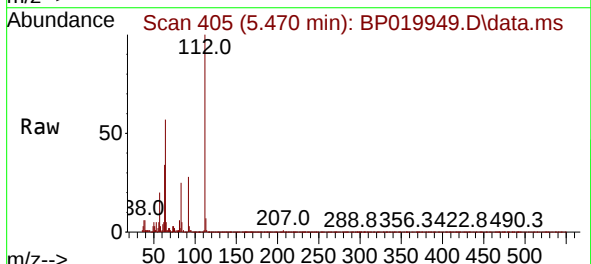
Manual Integrations
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#5
2-Fluorophenol
Concen: 24.798 ng
RT: 5.470 min Scan# 405
Delta R.T. -0.012 min
Lab File: BP019949.D
Acq: 29 Feb 2024 21:54

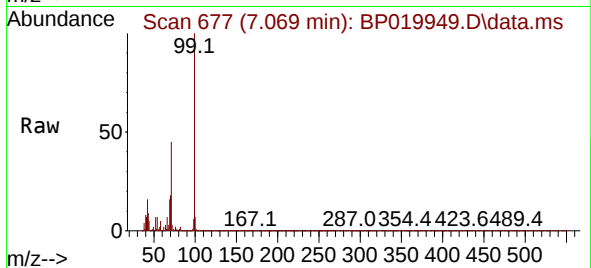
Tgt Ion:112 Resp: 101172
Ion Ratio Lower Upper
112 100
64 57.2 49.0 73.6
63 34.3 27.6 41.4





#7
Phenol-d6
Concen: 22.694 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.018 min
Lab File: BP019949.D
Acq: 29 Feb 2024 21:54

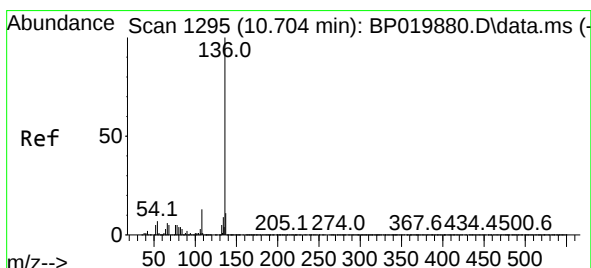
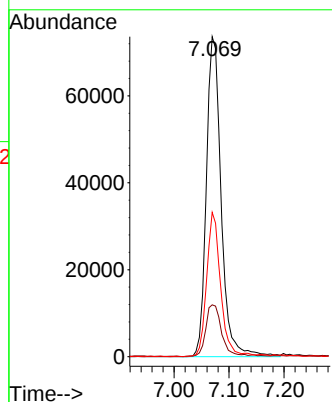
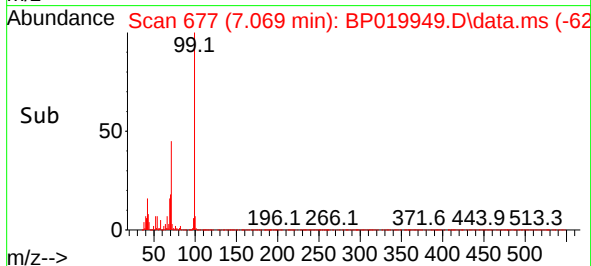
Instrument :
BNA_P
ClientSampleId :
HD-02-022824



Tgt Ion: 99 Resp: 137849
Ion Ratio Lower Upper
99 100
42 16.2 13.8 20.8
71 45.1 34.5 51.7

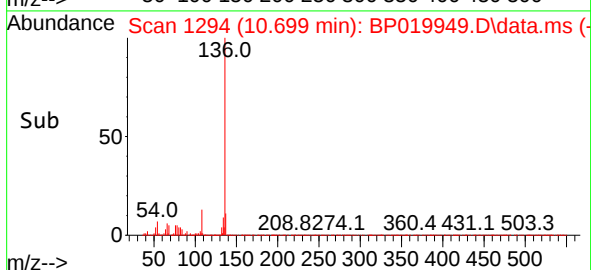
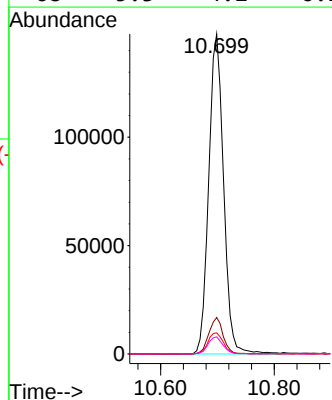
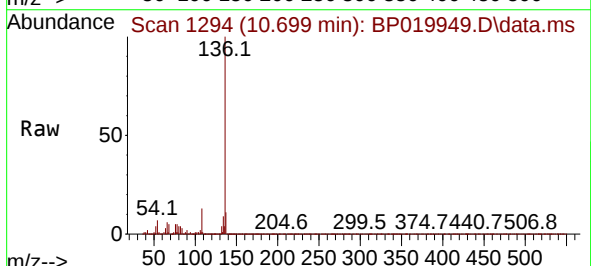
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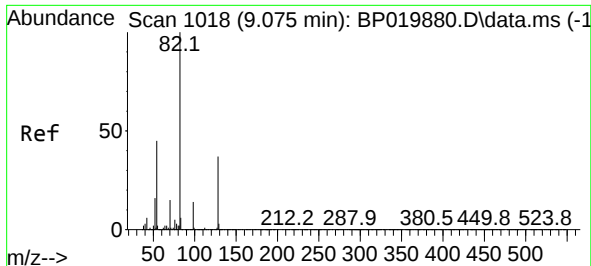
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.699 min Scan# 1294
Delta R.T. -0.018 min
Lab File: BP019949.D
Acq: 29 Feb 2024 21:54

Tgt Ion:136 Resp: 266698
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 6.6 6.0 9.0
68 5.3 4.2 6.2





#23

Nitrobenzene-d5

Concen: 14.483 ng

RT: 9.069 min Scan# 1018

Delta R.T. -0.018 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

Instrument :

BNA_P

ClientSampleId :

HD-02-022824

Tgt Ion: 82 Resp: 95678

Ion Ratio Lower Upper

82 100

128 37.4 29.6 44.4

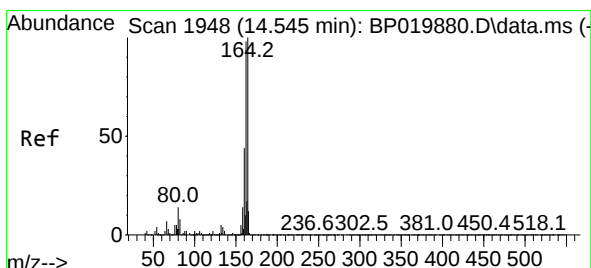
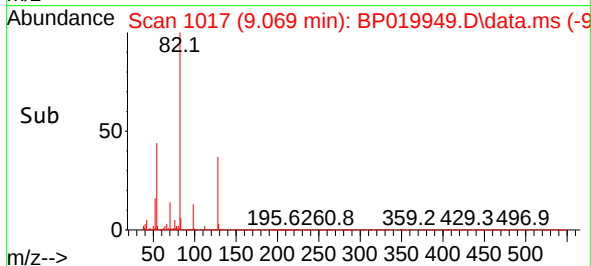
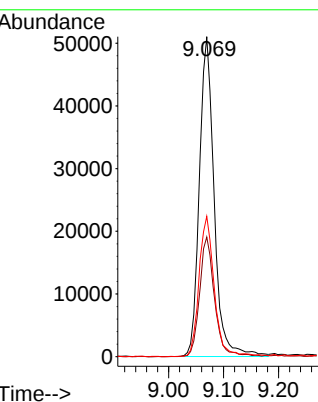
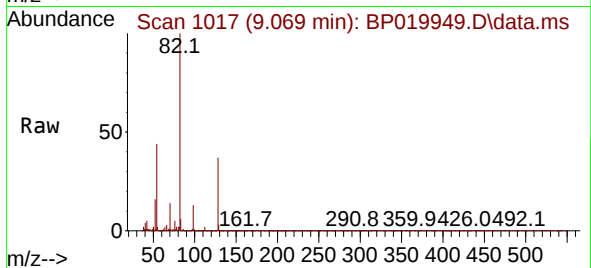
54 43.8 36.3 54.5

Manual Integrations

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Supervised By :mohammad ahmed 03/02/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.540 min Scan# 1947

Delta R.T. -0.018 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

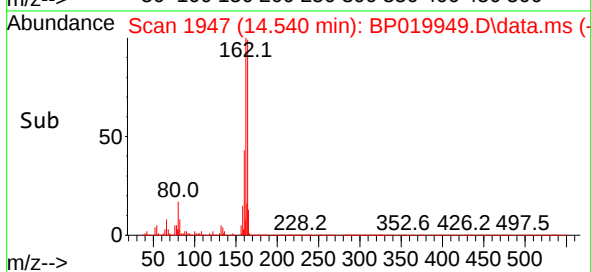
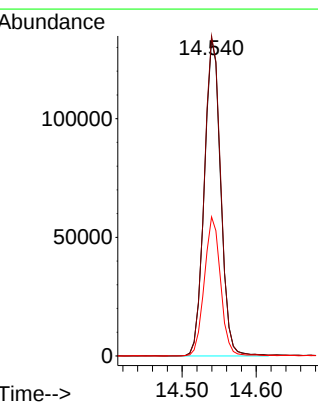
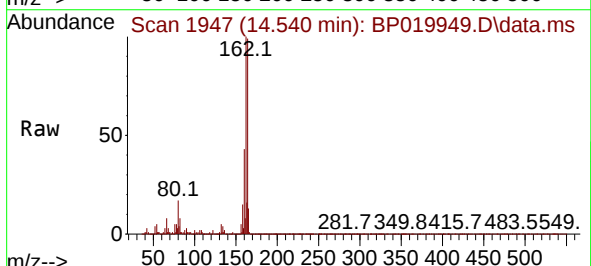
Tgt Ion:164 Resp: 204733

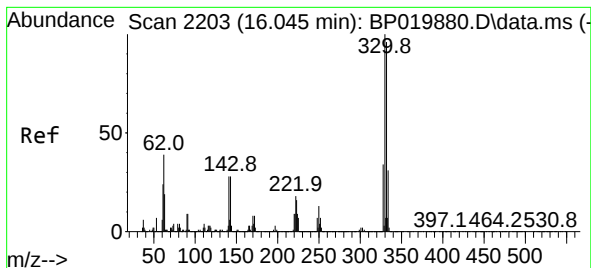
Ion Ratio Lower Upper

164 100

162 100.9 78.1 117.1

160 43.8 35.3 52.9





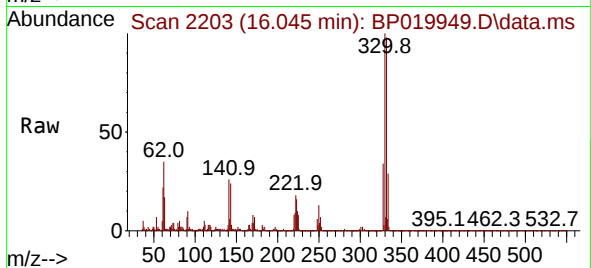
#42
2,4,6-Tribromophenol
Concen: 27.384 ng
RT: 16.045 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP019949.D
Acq: 29 Feb 2024 21:54

Instrument :

BNA_P

ClientSampleId :

HD-02-022824

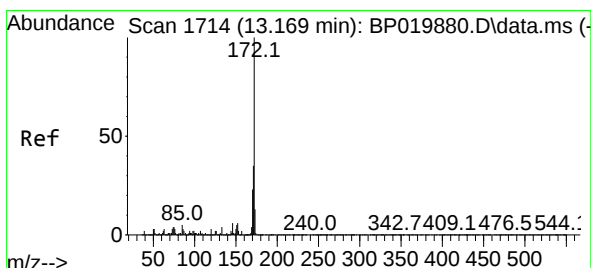
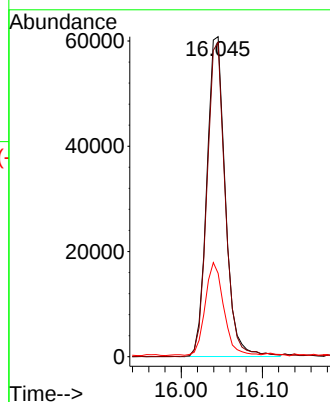
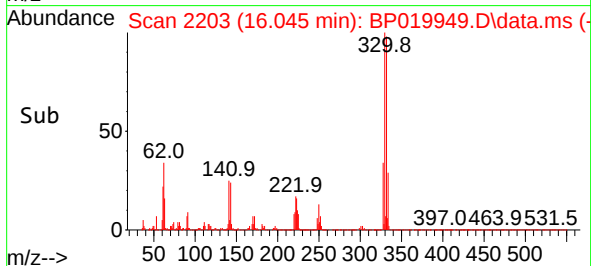


Tgt Ion:330 Resp: 96129
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.2
141 29.4 24.6 37.0

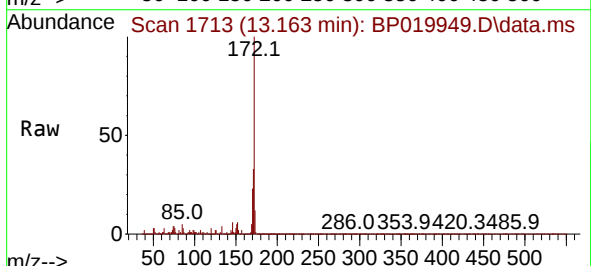
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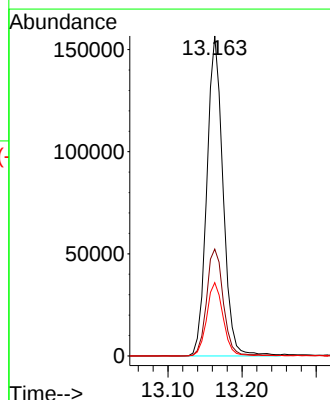
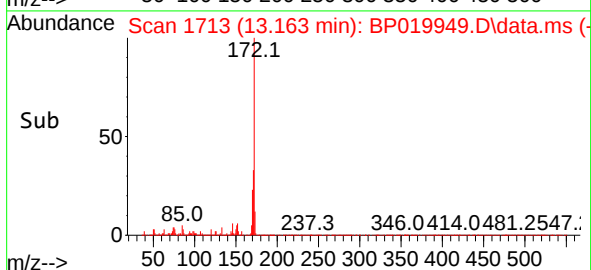
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024

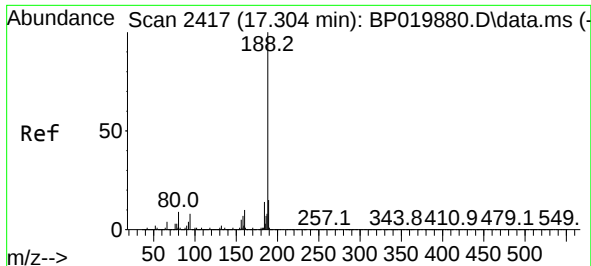


#45
2-Fluorobiphenyl
Concen: 15.710 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.018 min
Lab File: BP019949.D
Acq: 29 Feb 2024 21:54



Tgt Ion:172 Resp: 238050
Ion Ratio Lower Upper
172 100
171 33.4 27.8 41.6
170 22.9 18.4 27.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.304 min Scan# 2417
Delta R.T. -0.018 min
Lab File: BP019949.D
Acq: 29 Feb 2024 21:54

Instrument :

BNA_P

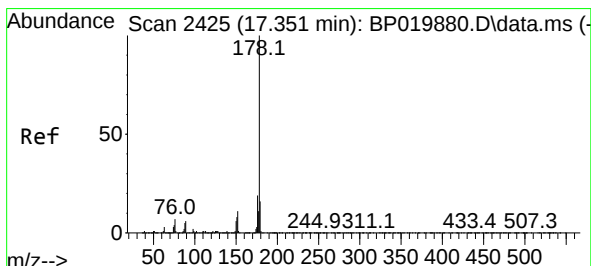
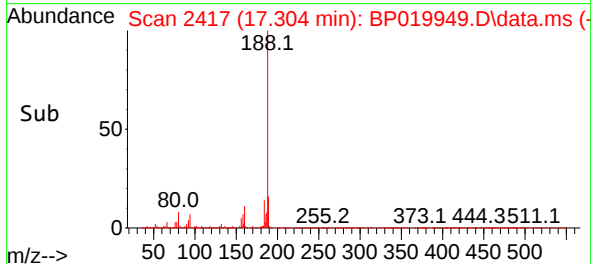
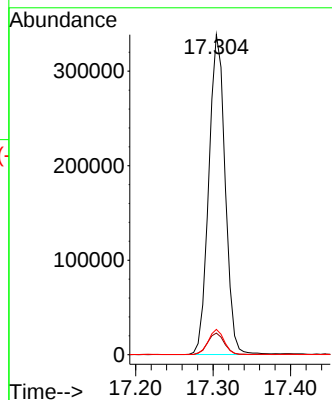
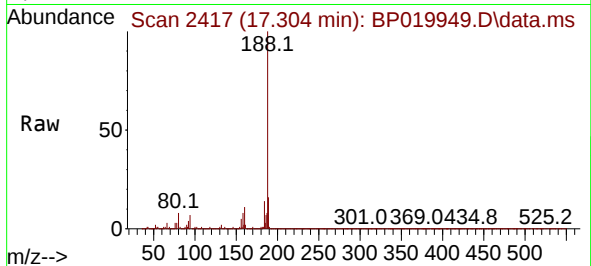
ClientSampleId :

HD-02-022824

Tgt Ion:188 Resp: 49778
Ion Ratio Lower Upper
188 100
94 6.7 6.2 9.4
80 7.9 7.0 10.4

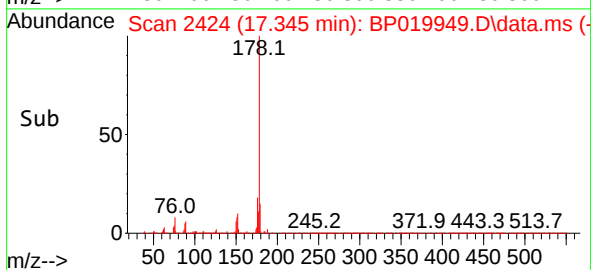
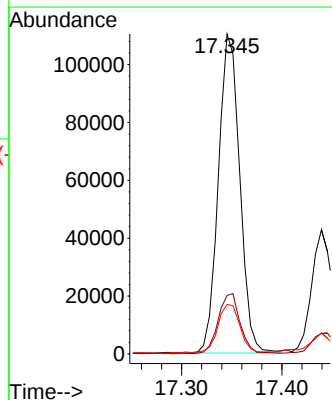
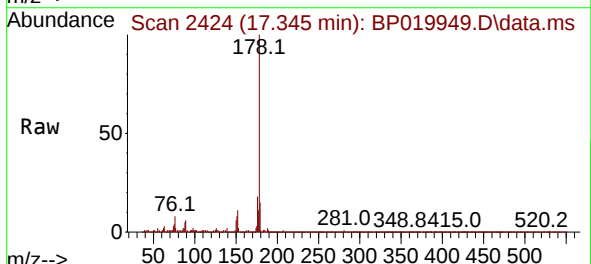
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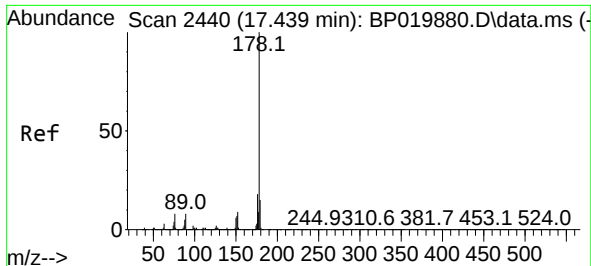
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#71
Phenanthrene
Concen: 6.143 ng
RT: 17.345 min Scan# 2424
Delta R.T. -0.023 min
Lab File: BP019949.D
Acq: 29 Feb 2024 21:54

Tgt Ion:178 Resp: 163228
Ion Ratio Lower Upper
178 100
176 18.3 15.2 22.8
179 15.5 12.5 18.7





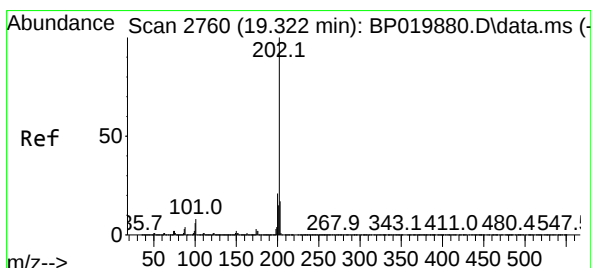
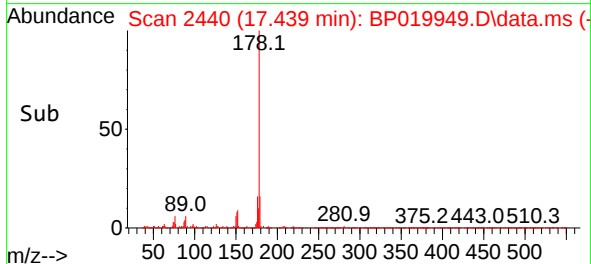
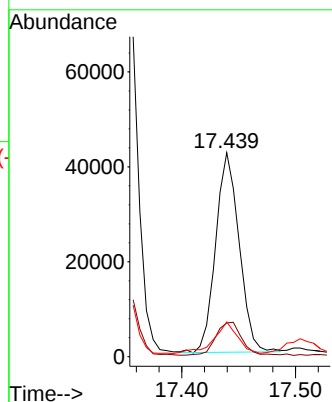
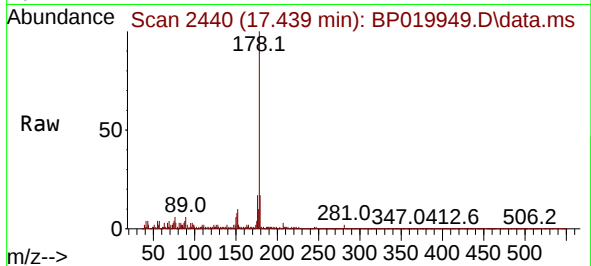
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 Anthracene
 Concen: 2.226 ng
 RT: 17.439 min Scan# 2440
 Delta R.T. -0.018 min
 Lab File: BP019949.D
 Acq: 29 Feb 2024 21:54

Instrument :
 BNA_P
 ClientSampleId :
 HD-02-022824

Tgt Ion:178 Resp: 60365
 Ion Ratio Lower Upper
 178 100
 176 16.5 14.7 22.1
 179 17.0 12.2 18.4

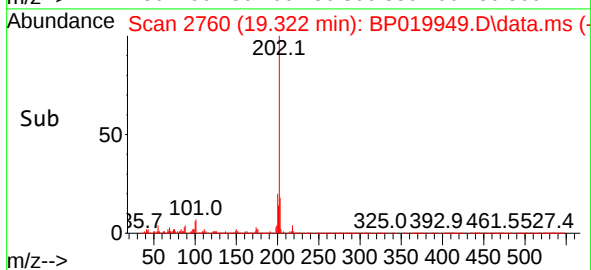
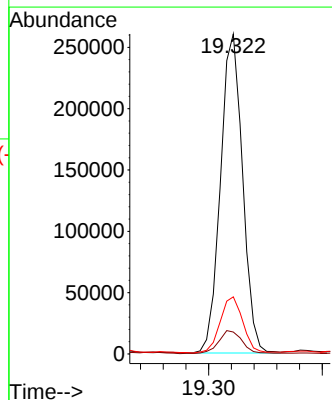
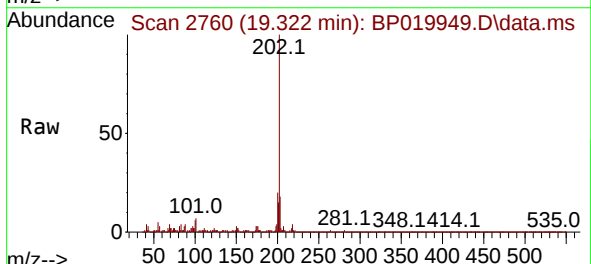
Manual Integrations
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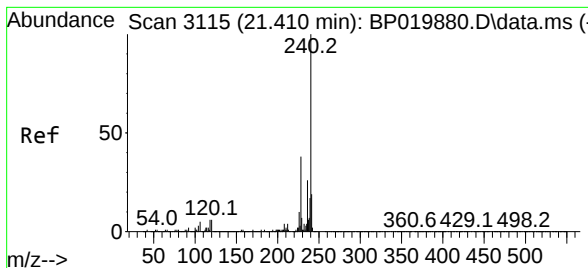
Reviewed By :Jagrut Upadhyay 03/01/2024
 Supervised By :mohammad ahmed 03/02/2024



#75
 Fluoranthene
 Concen: 10.205 ng
 RT: 19.322 min Scan# 2760
 Delta R.T. -0.018 min
 Lab File: BP019949.D
 Acq: 29 Feb 2024 21:54

Tgt Ion:202 Resp: 351900
 Ion Ratio Lower Upper
 202 100
 101 6.8 0.0 27.7
 203 17.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.410 min Scan# 3115

Delta R.T. -0.018 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

Instrument :

BNA_P

ClientSampleId :

HD-02-022824

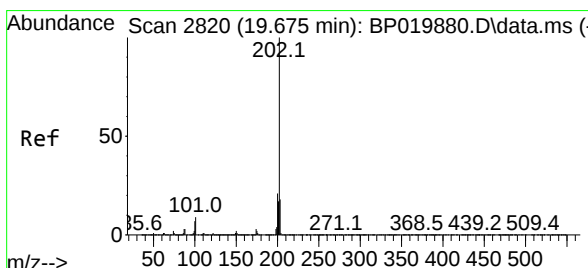
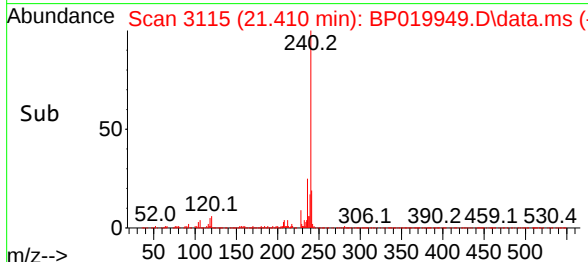
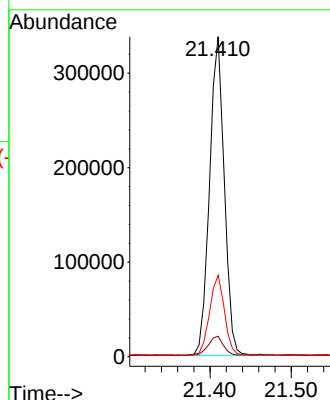
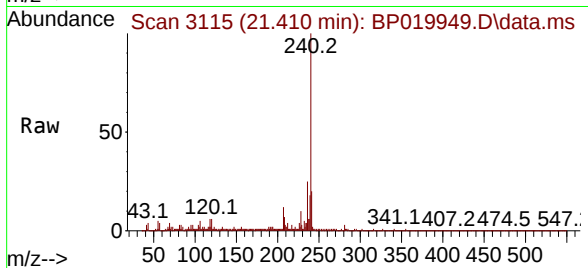
Tgt Ion:240 Resp: 42626

Ion	Ratio	Lower	Upper
240	100		
120	6.4	5.1	7.7
236	25.5	20.5	30.7

Manual Integrations

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#78

Pyrene

Concen: 13.931 ng

RT: 19.675 min Scan# 2820

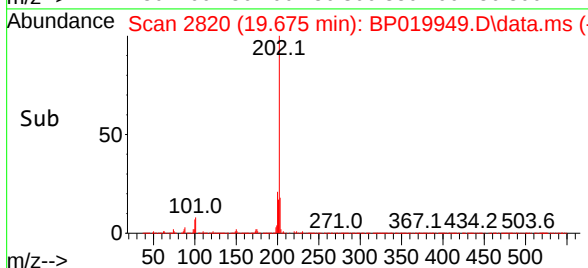
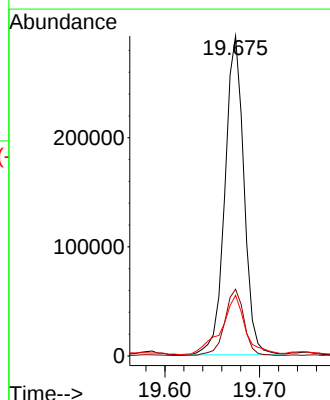
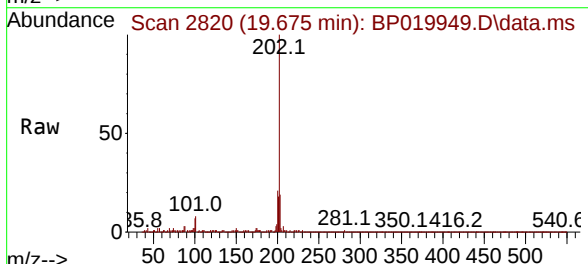
Delta R.T. -0.018 min

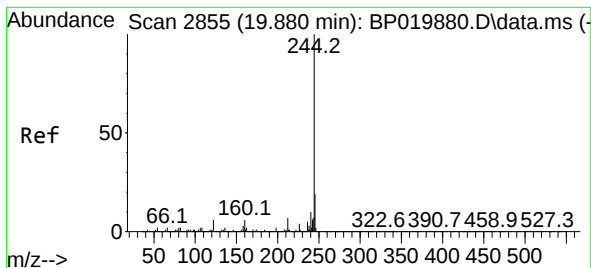
Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

Tgt Ion:202 Resp: 408011

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	18.9	14.2	21.2





#79

Terphenyl-d14

Concen: 17.929 ng

RT: 19.875 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

Instrument :

BNA_P

ClientSampleId :

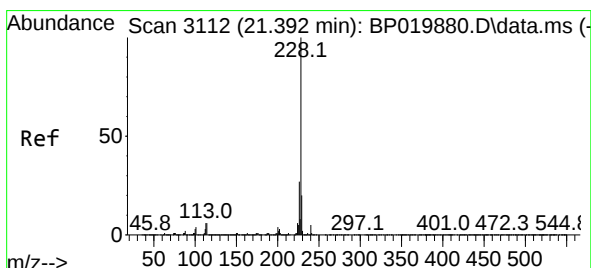
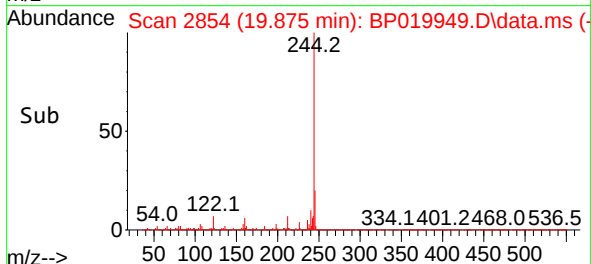
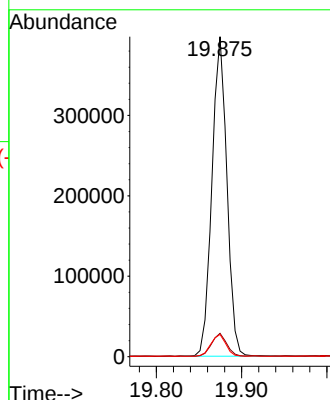
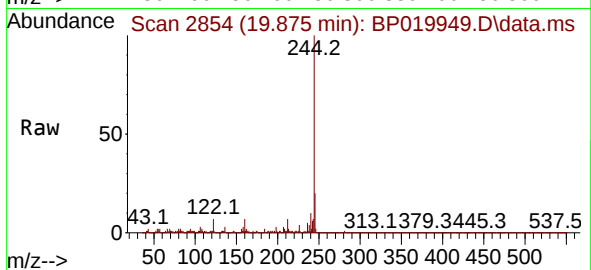
HD-02-022824

Tgt Ion:244 Resp: 484898
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 7.0 5.0 7.6

Manual Integrations

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



#81

Benzo(a)anthracene

Concen: 6.885 ng

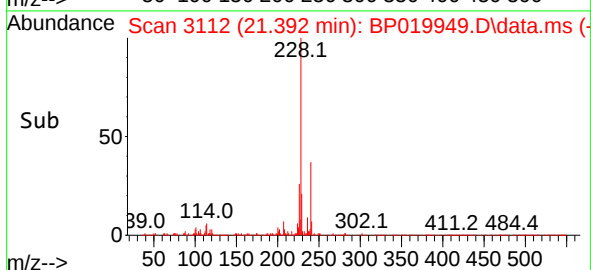
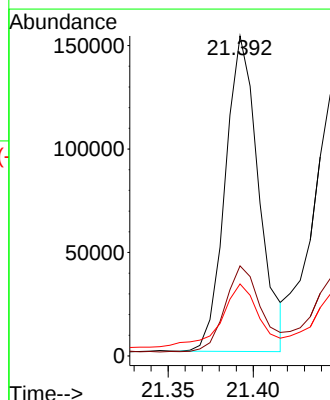
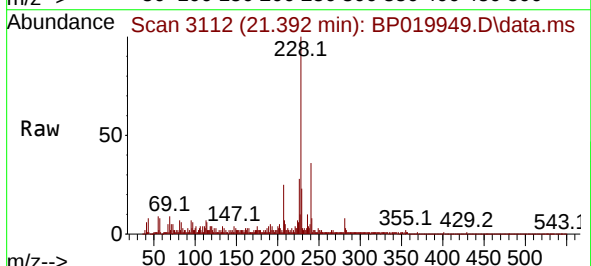
RT: 21.392 min Scan# 3112

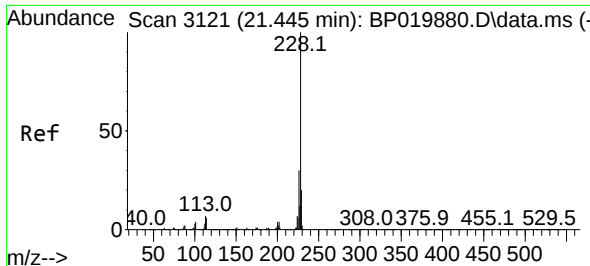
Delta R.T. -0.018 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

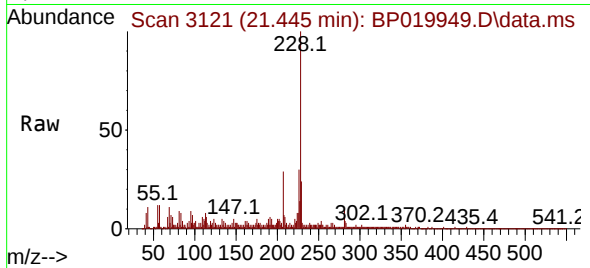
Tgt Ion:228 Resp: 208329
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.5 32.3
 229 22.5 15.6 23.4





#83
Chrysene
Concen: 6.536 ng m
RT: 21.445 min Scan# 3121
Delta R.T. -0.023 min
Lab File: BP019949.D
Acq: 29 Feb 2024 21:54

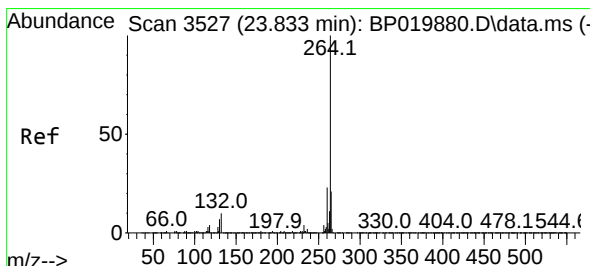
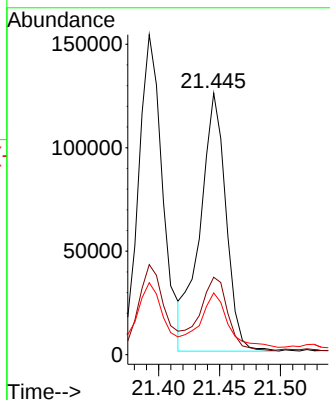
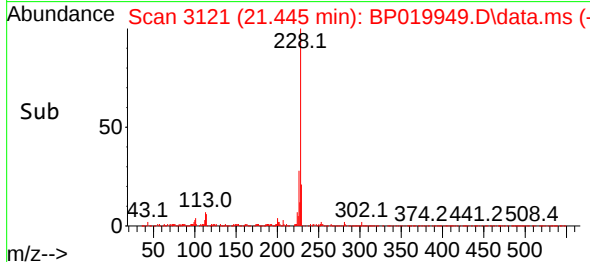
Instrument :
BNA_P
ClientSampleId :
HD-02-022824



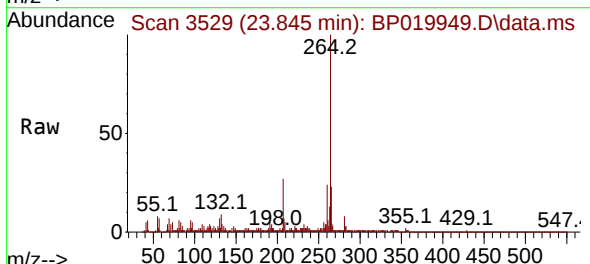
Tgt Ion:228 Resp: 185300
Ion Ratio Lower Upper
228 100
226 29.6 23.9 35.9
229 23.6 15.7 23.5

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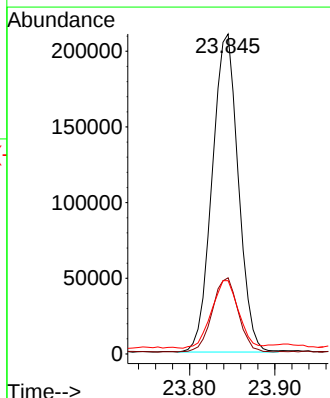
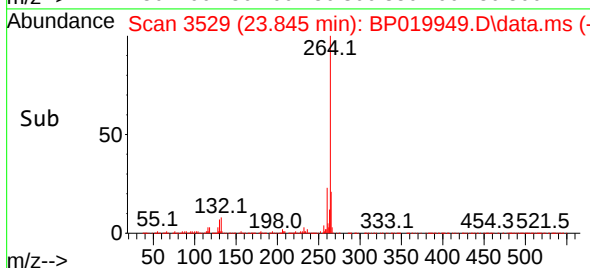
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024

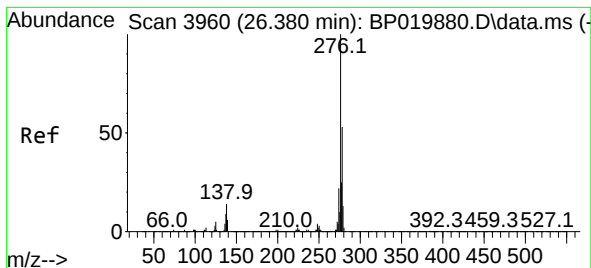


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.845 min Scan# 3529
Delta R.T. -0.023 min
Lab File: BP019949.D
Acq: 29 Feb 2024 21:54



Tgt Ion:264 Resp: 447459
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 22.9 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.912 ng

RT: 26.392 min Scan# 3962

Delta R.T. -0.053 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

Instrument :

BNA_P

ClientSampleId :

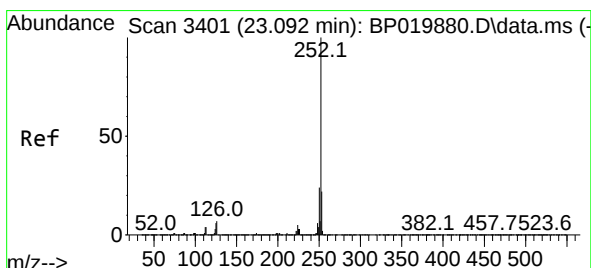
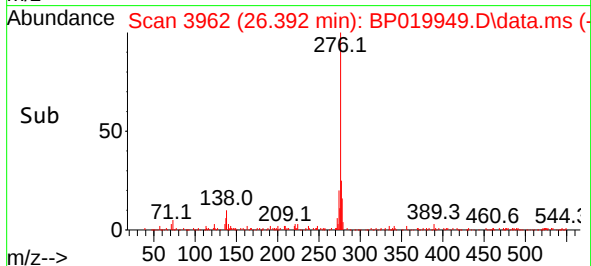
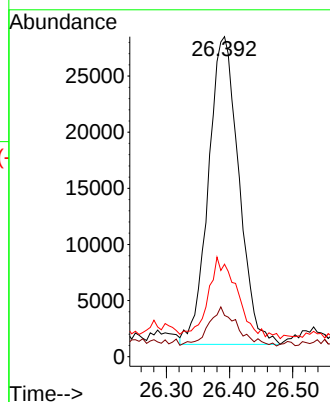
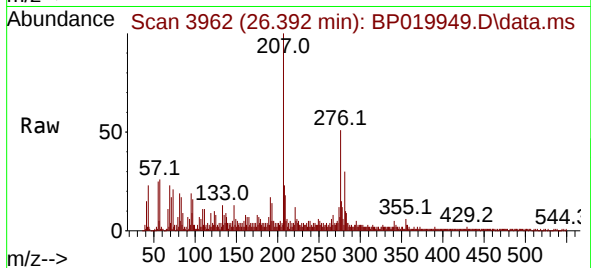
HD-02-022824

Tgt Ion:	276	Resp:	9174
Ion Ratio	Lower	Upper	
276	100		
138	11.9	11.7	17.5
277	26.1	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: 7.169 ng

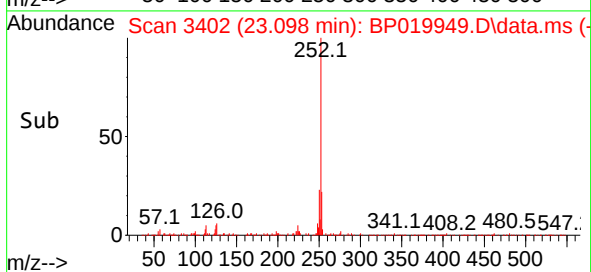
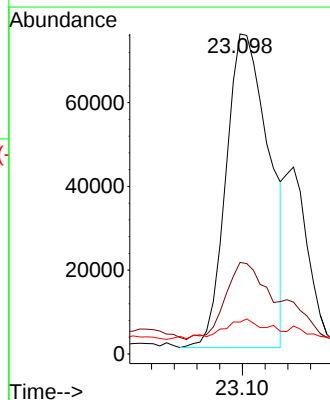
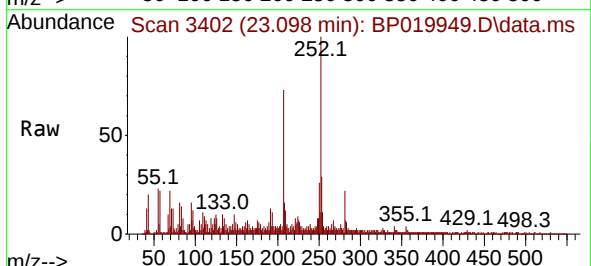
RT: 23.098 min Scan# 3402

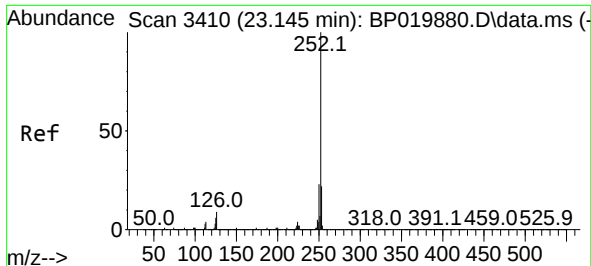
Delta R.T. -0.023 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

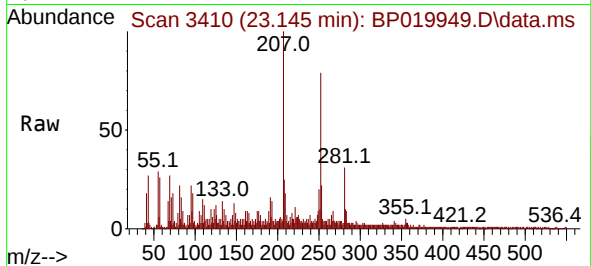
Tgt Ion:	252	Resp:	196662
Ion Ratio	Lower	Upper	
252	100		
253	28.6	17.6	26.4#
125	10.0	4.6	7.0#





#89
Benzo(k)fluoranthene
Concen: 2.229 ng m
RT: 23.145 min Scan# 3410
Delta R.T. -0.029 min
Lab File: BP019949.D
Acq: 29 Feb 2024 21:54

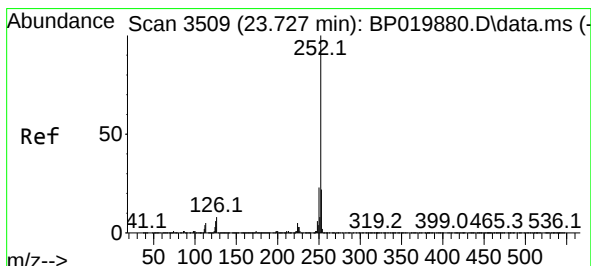
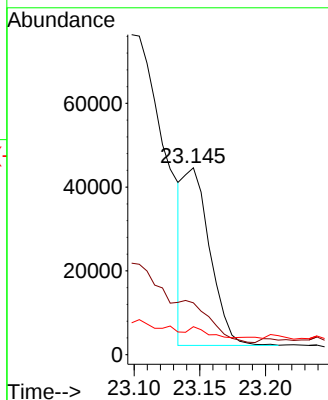
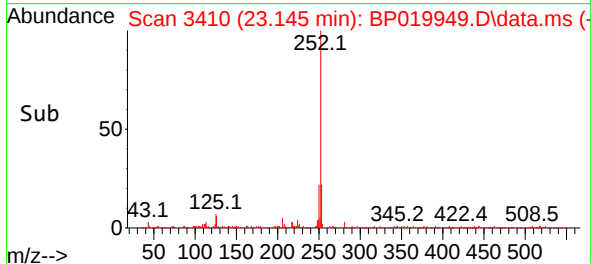
Instrument :
BNA_P
ClientSampleId :
HD-02-022824



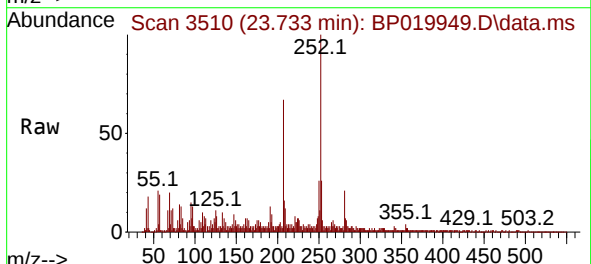
Tgt Ion:252 Resp: 59960
Ion Ratio Lower Upper
252 100
253 27.8 17.3 25.9
125 15.0 4.6 6.8

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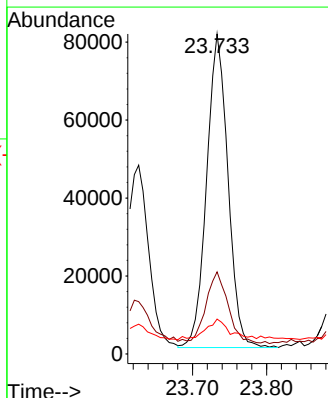
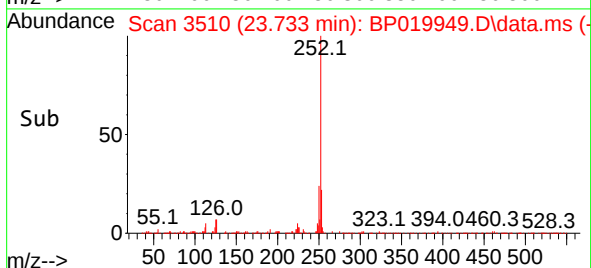
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024

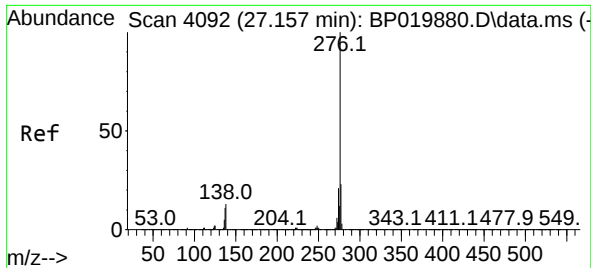


#90
Benzo(a)pyrene
Concen: 6.134 ng
RT: 23.733 min Scan# 3510
Delta R.T. -0.029 min
Lab File: BP019949.D
Acq: 29 Feb 2024 21:54



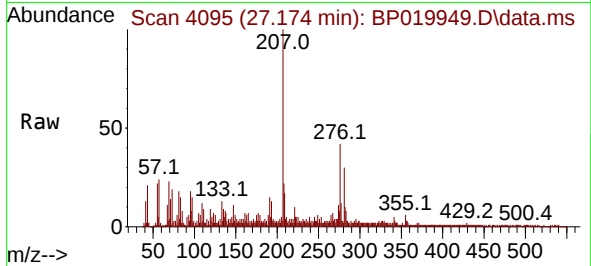
Tgt Ion:252 Resp: 160810
Ion Ratio Lower Upper
252 100
253 25.6 17.5 26.3
125 10.9 5.2 7.8





#92
Benzo(g,h,i)perylene
Concen: 3.394 ng
RT: 27.174 min Scan# 4095
Delta R.T. -0.053 min
Lab File: BP019949.D
Acq: 29 Feb 2024 21:54

Instrument :
BNA_P
ClientSampleId :
HD-02-022824



Tgt Ion:276 Resp: 8676
Ion Ratio Lower Upper
276 100
277 29.5 18.5 27.7
138 15.7 10.2 15.2

Manual Integrations
APPROVED

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

