

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
 Data File : BP021525.D
 Acq On : 15 Aug 2024 22:57
 Operator : RC/JU
 Sample : P3607-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 NB-08-08142024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
 Supervised By :mohammad ahmed 08/17/2024

Quant Time: Aug 16 01:31:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 00:00:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	387294	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1486821	20.000	ng	0.00
39) Acenaphthene-d10	14.440	164	869449	20.000	ng	-0.02
64) Phenanthrene-d10	17.228	188	1842295	20.000	ng	-0.02
76) Chrysene-d12	21.674	240	1870800	20.000	ng	-0.02
86) Perylene-d12	25.080	264	2260008	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	2514269	96.396	ng	0.00
7) Phenol-d6	6.958	99	3463814	91.036	ng	0.00
23) Nitrobenzene-d5	8.946	82	2087466	72.466	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	996788	103.010	ng	-0.02
45) 2-Fluorobiphenyl	13.057	172	3490025	61.261	ng	0.00
79) Terphenyl-d14	19.951	244	5648678	58.659	ng	-0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.251	142	117177	2.210	ng	95
38) 1-Methylnaphthalene	12.469	142	162797	3.114	ng	# 98
52) Acenaphthene	14.504	154	152735	3.306	ng	97
55) Dibenzofuran	14.845	168	177718	2.501	ng	# 86
58) Fluorene	15.504	166	402011	6.886	ng	# 97
71) Phenanthrene	17.275	178	2465494	27.827	ng	99
72) Anthracene	17.369	178	728296	8.382	ng	99
75) Fluoranthene	19.351	202	3000370	27.600	ng	99
78) Pyrene	19.722	202	3180645	26.011	ng	99
81) Benzo(a)anthracene	21.651	228	1440002	12.261	ng	96
83) Chrysene	21.721	228	1475922m	13.311	ng	
87) Indeno(1,2,3-cd)pyrene	28.939	276	787865	5.378	ng	# 90
88) Benzo(b)fluoranthene	24.004	252	1668043	12.851	ng	97
89) Benzo(k)fluoranthene	24.068	252	502240	3.967	ng	# 94
90) Benzo(a)pyrene	24.910	252	1341560	11.910	ng	96
92) Benzo(g,h,i)perylene	30.133	276	805594	6.603	ng	98

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

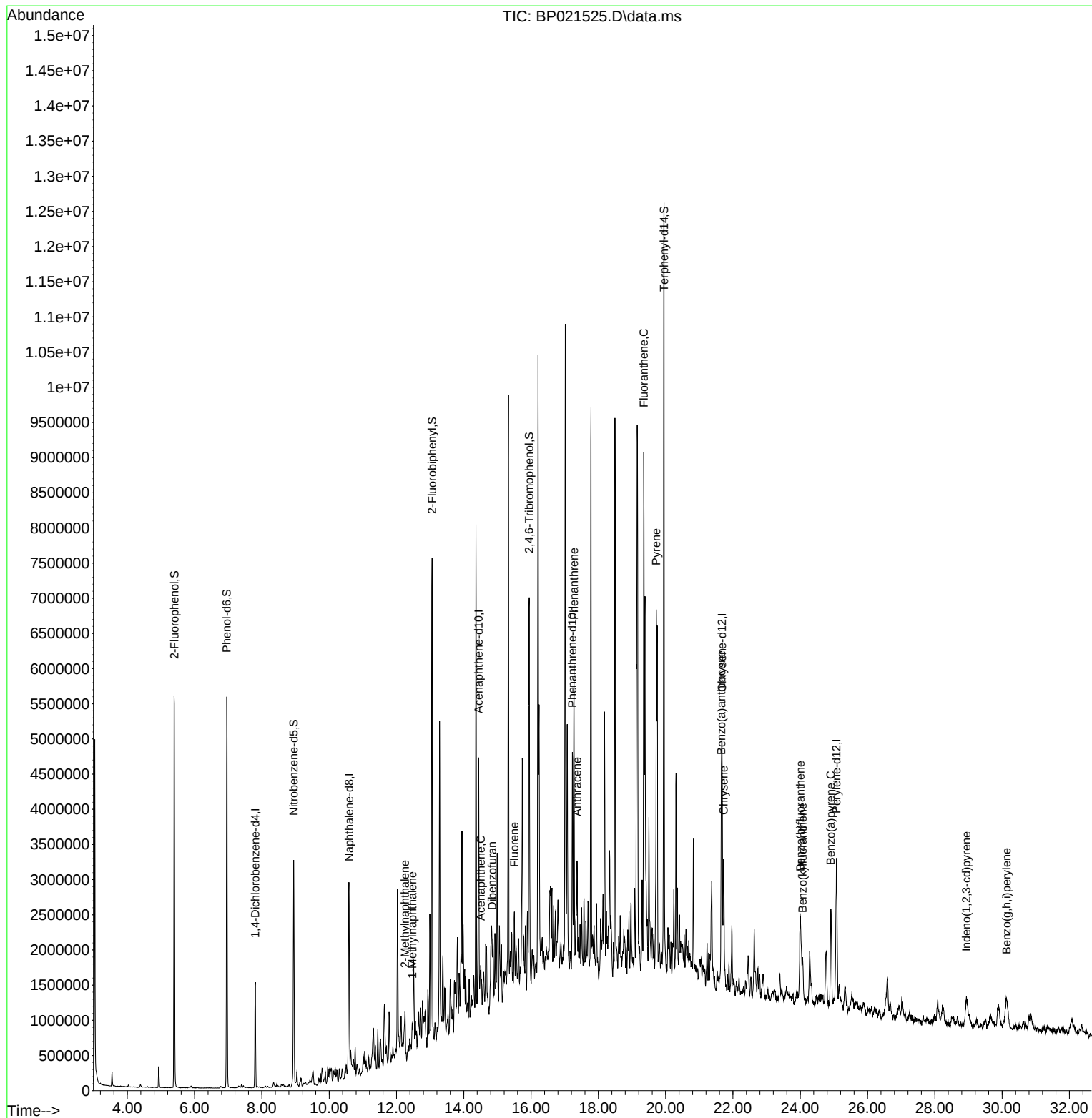
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Data File : BP021525.D
Acq On : 15 Aug 2024 22:57
Operator : RC/JU
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ALS Vial : 12 Sample Multiplier: 1

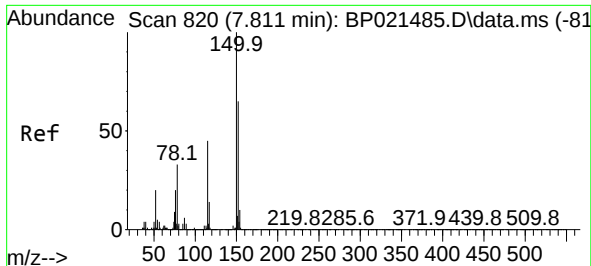
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Quant Time: Aug 16 01:31:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
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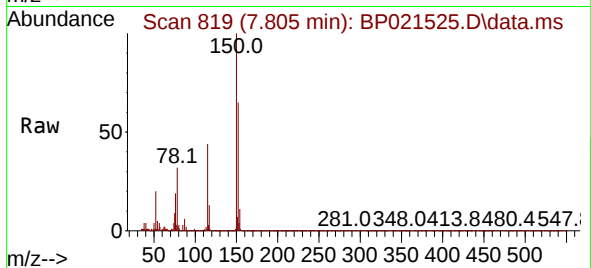
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021525.D
Acq: 15 Aug 2024 22:57

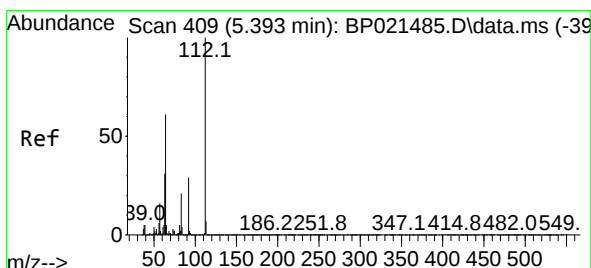
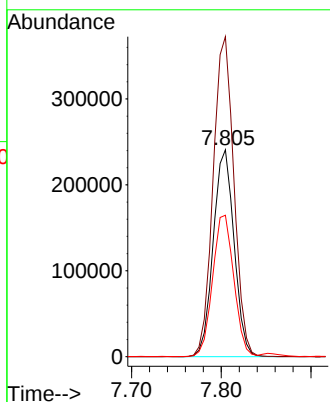
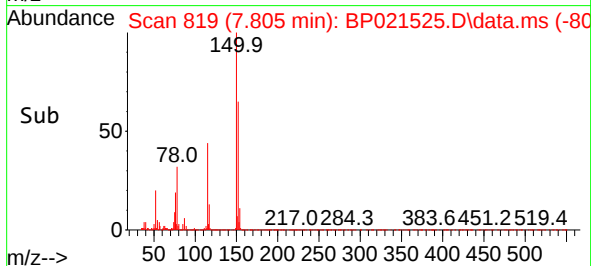
Instrument :
BNA_P
ClientSampleId :
NB-08-08142024



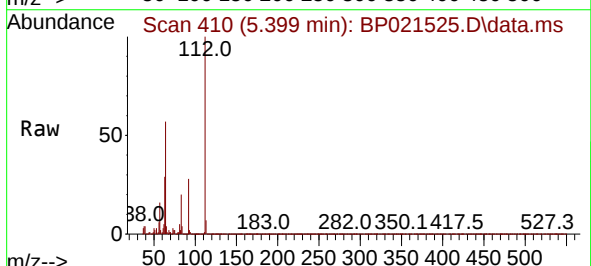
Tgt Ion:152 Resp: 387294
Ion Ratio Lower Upper
152 100
150 154.7 122.4 183.6
115 68.4 54.7 82.1

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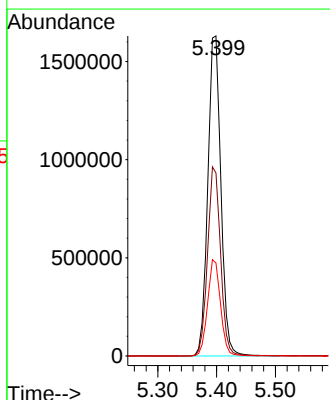
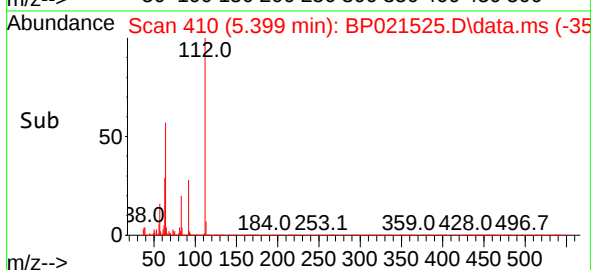
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#5
2-Fluorophenol
Concen: 96.396 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP021525.D
Acq: 15 Aug 2024 22:57



Tgt Ion:112 Resp: 2514269
Ion Ratio Lower Upper
112 100
64 57.2 49.0 73.6
63 29.0 24.6 36.8





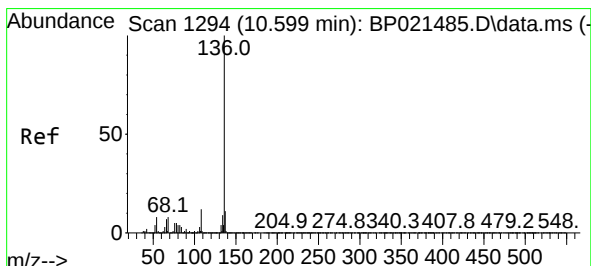
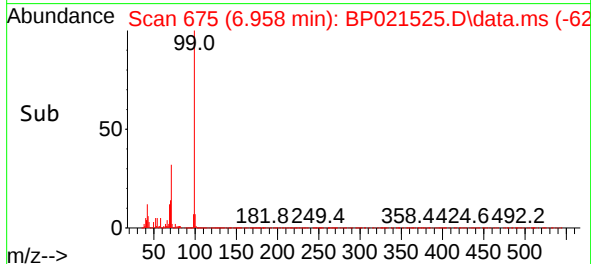
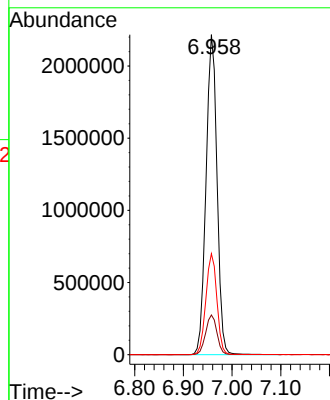
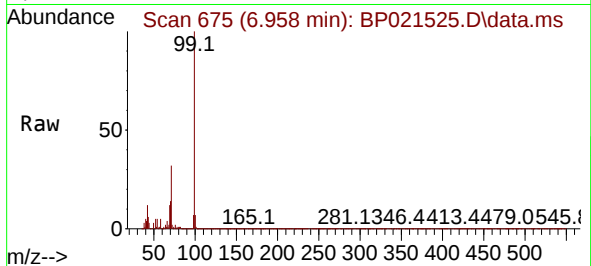
#7
Phenol-d6
Concen: 91.036 ng
RT: 6.958 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP021525.D
Acq: 15 Aug 2024 22:57

Instrument :
BNA_P
ClientSampleId :
NB-08-08142024

Tgt Ion: 99 Resp: 3463814
Ion Ratio Lower Upper
99 100
42 12.4 10.2 15.4
71 31.5 25.8 38.8

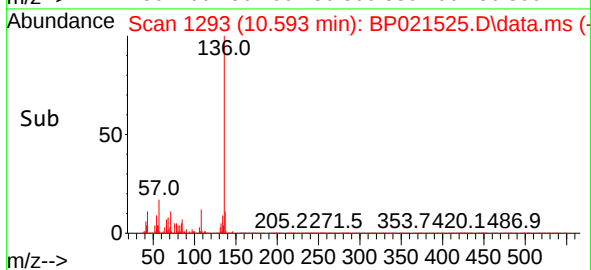
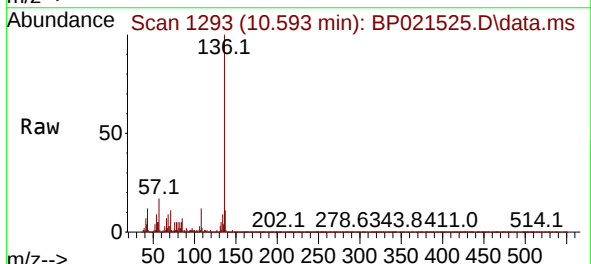
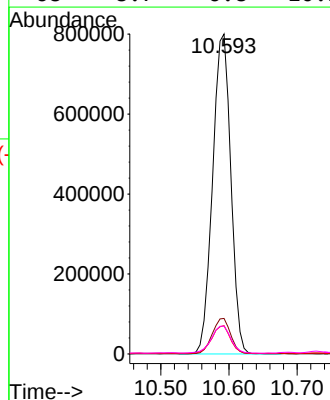
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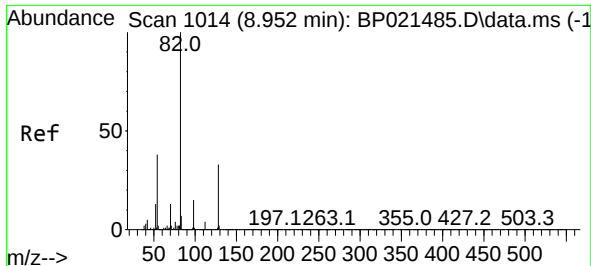
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP021525.D
Acq: 15 Aug 2024 22:57

Tgt Ion:136 Resp: 1486821
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.9 6.3 9.5
68 8.7 6.8 10.2





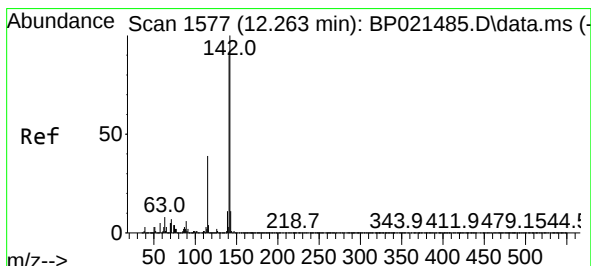
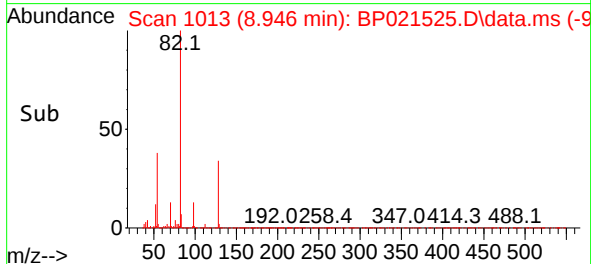
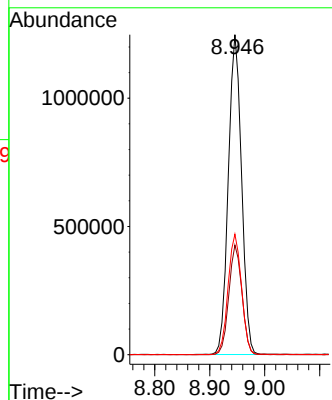
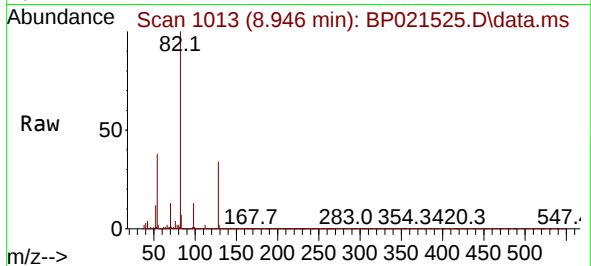
#23
Nitrobenzene-d5
Concen: 72.466 ng
RT: 8.946 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP021525.D
Acq: 15 Aug 2024 22:57

Instrument :
BNA_P
ClientSampleId :
NB-08-08142024

Tgt Ion: 82 Resp: 2087460
Ion Ratio Lower Upper
82 100
128 34.3 26.5 39.7
54 37.7 30.3 45.5

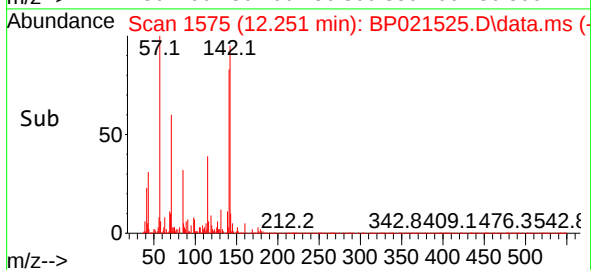
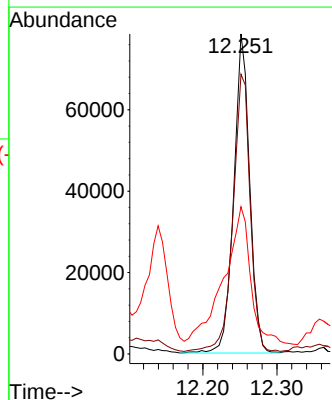
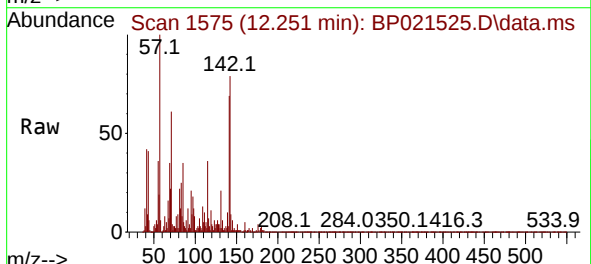
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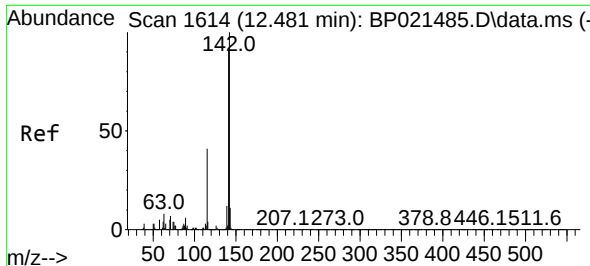
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#37
2-Methylnaphthalene
Concen: 2.210 ng
RT: 12.251 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BP021525.D
Acq: 15 Aug 2024 22:57

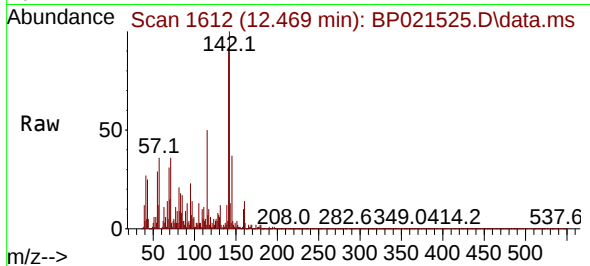
Tgt Ion:142 Resp: 117177
Ion Ratio Lower Upper
142 100
141 87.4 71.7 107.5
115 46.0 31.4 47.2





#38
1-Methylnaphthalene
Concen: 3.114 ng
RT: 12.469 min Scan# 1612
Delta R.T. -0.012 min
Lab File: BP021525.D
Acq: 15 Aug 2024 22:57

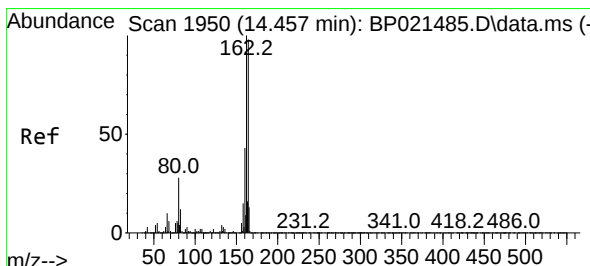
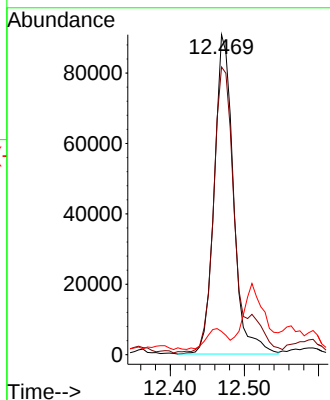
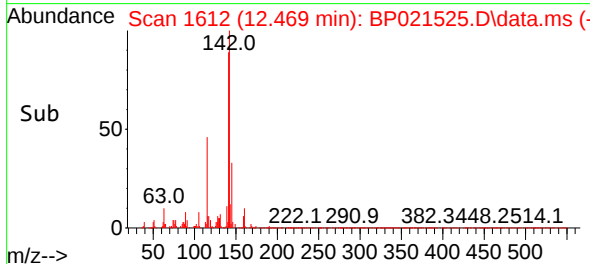
Instrument :
BNA_P
ClientSampleId :
NB-08-08142024



Tgt Ion:142 Resp: 16279
Ion Ratio Lower Upper
142 100
141 89.9 73.5 110.3
116 7.3 3.4 5.2

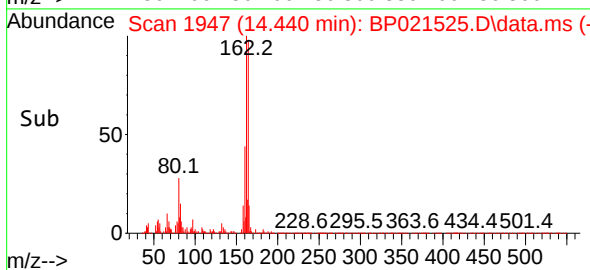
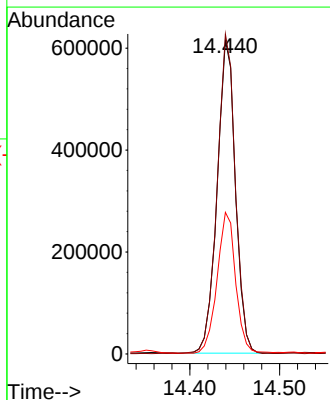
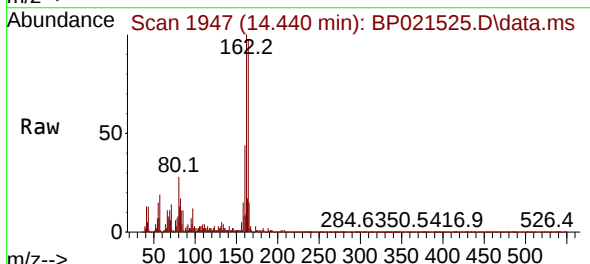
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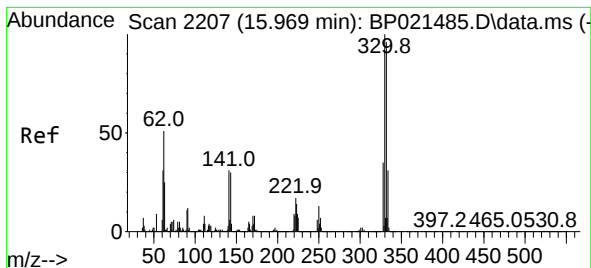
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.440 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP021525.D
Acq: 15 Aug 2024 22:57

Tgt Ion:164 Resp: 869449
Ion Ratio Lower Upper
164 100
162 102.0 81.5 122.3
160 45.1 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 103.010 ng

RT: 15.945 min Scan# 21

Delta R.T. -0.024 min

Lab File: BP021525.D

Acq: 15 Aug 2024 22:57

Instrument :

BNA_P

ClientSampleId :

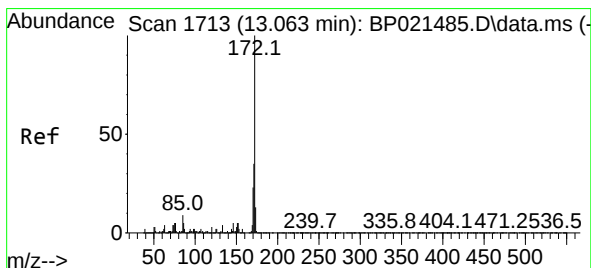
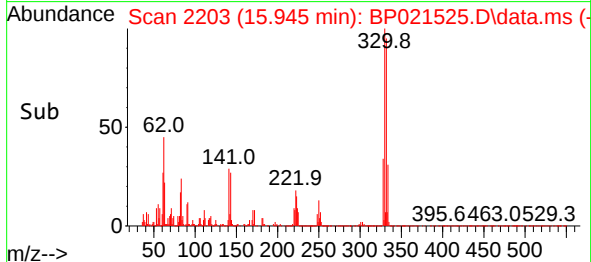
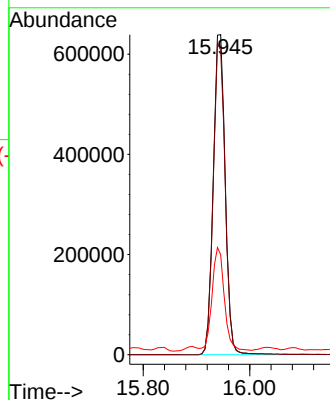
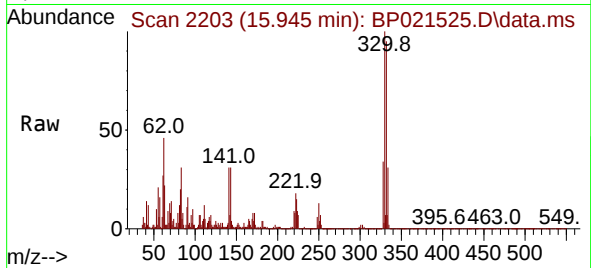
NB-08-08142024

Tgt Ion:	330	Resp:	996788
Ion Ratio	Lower	Upper	
330	100		
332	96.7	77.4	116.0
141	32.5	24.5	36.7

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Supervised By :mohammad ahmed 08/17/2024



#45

2-Fluorobiphenyl

Concen: 61.261 ng

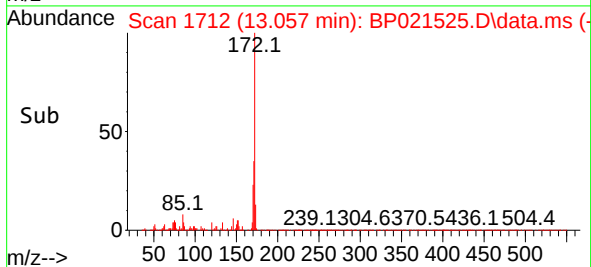
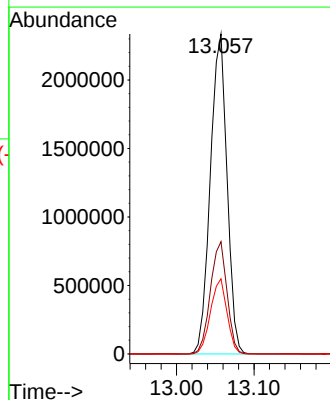
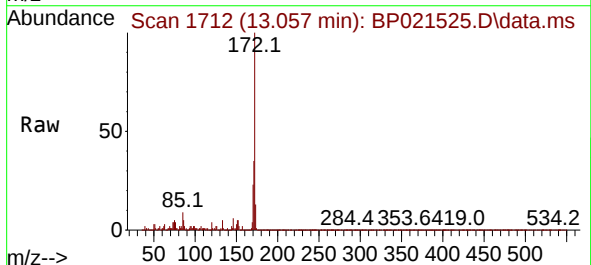
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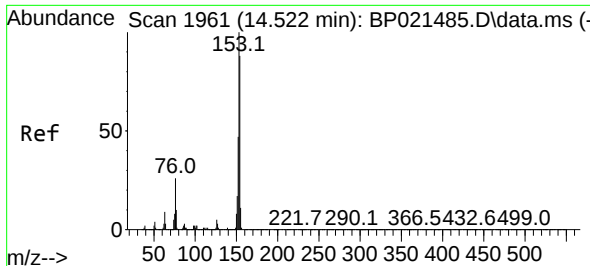
Delta R.T. -0.006 min

Lab File: BP021525.D

Acq: 15 Aug 2024 22:57

Tgt Ion:	172	Resp:	3490025
Ion Ratio	Lower	Upper	
172	100		
171	35.1	28.2	42.4
170	23.5	18.4	27.6





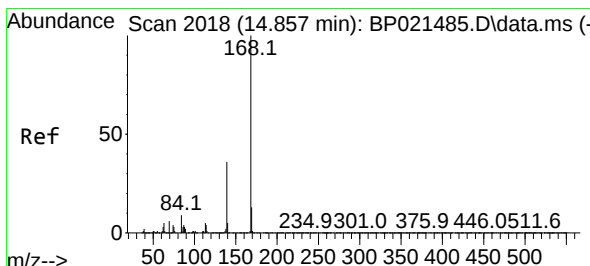
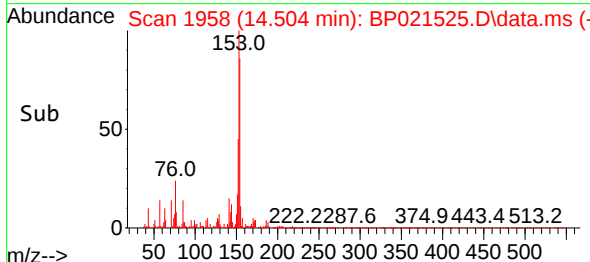
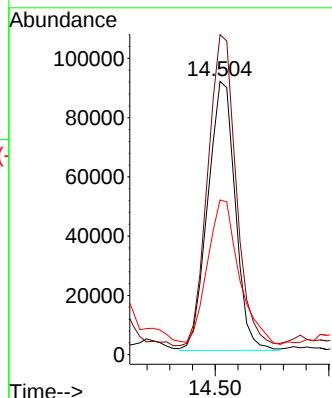
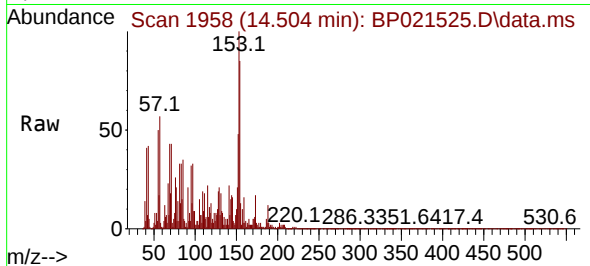
#52
Acenaphthene
Concen: 3.306 ng
RT: 14.504 min Scan# 1958
Delta R.T. -0.018 min
Lab File: BP021525.D
Acq: 15 Aug 2024 22:57

Instrument : BNA_P
ClientSampleId : NB-08-08142024

Tgt Ion:154 Resp: 152735
Ion Ratio Lower Upper
154 100
153 117.1 91.1 136.7
152 56.6 43.0 64.4

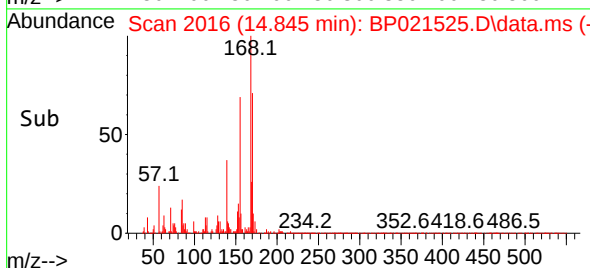
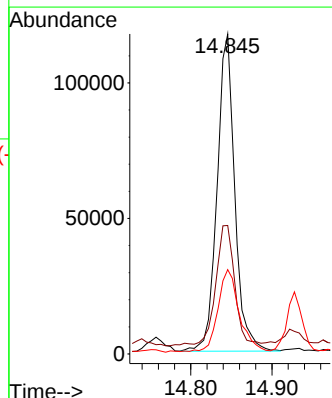
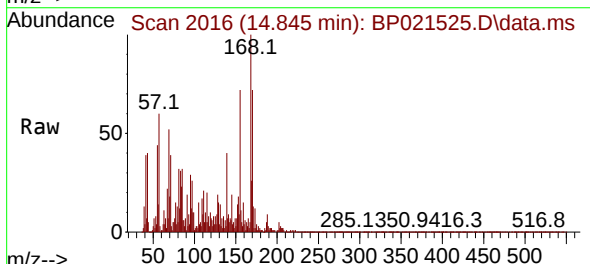
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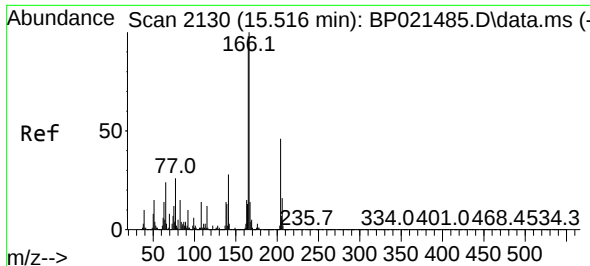
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#55
Dibenzofuran
Concen: 2.501 ng
RT: 14.845 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BP021525.D
Acq: 15 Aug 2024 22:57

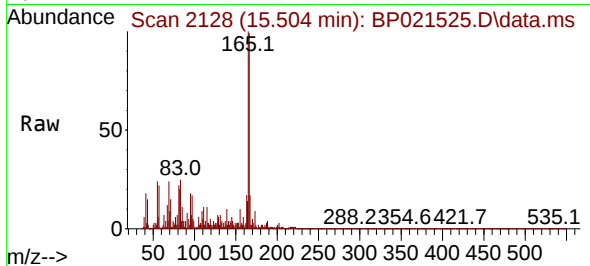
Tgt Ion:168 Resp: 177718
Ion Ratio Lower Upper
168 100
139 40.1 28.6 43.0
169 26.3 10.6 16.0#





#58
Fluorene
Concen: 6.886 ng
RT: 15.504 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP021525.D
Acq: 15 Aug 2024 22:57

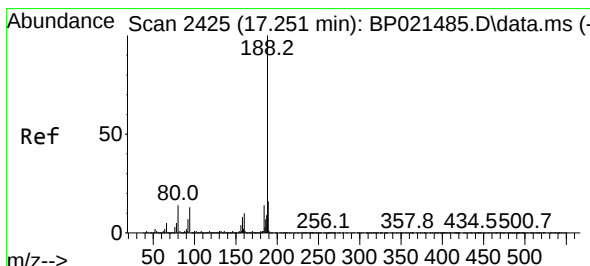
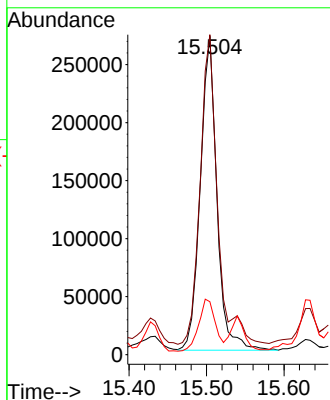
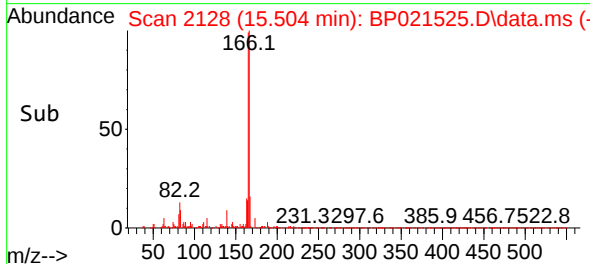
Instrument :
BNA_P
ClientSampleId :
NB-08-08142024



Tgt Ion:166 Resp: 40201
Ion Ratio Lower Upper
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165 100.5 78.1 117.1
167 16.6 11.0 16.4

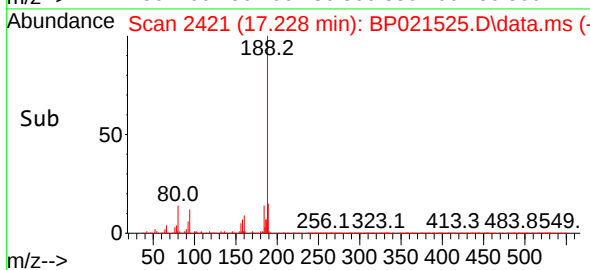
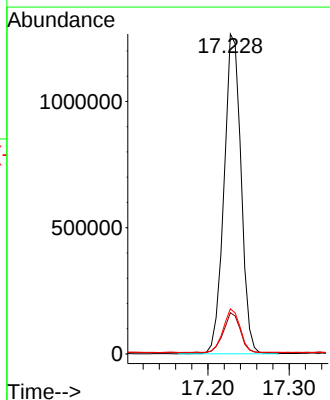
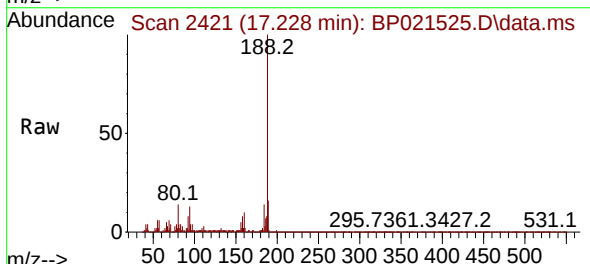
Manual Integrations
APPROVED

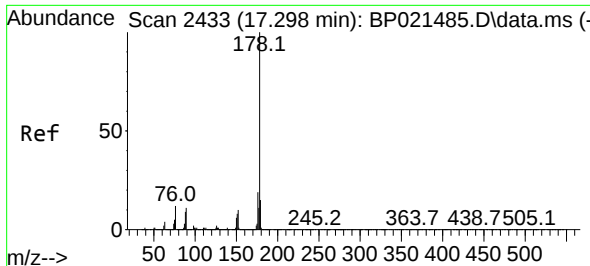
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.228 min Scan# 2421
Delta R.T. -0.024 min
Lab File: BP021525.D
Acq: 15 Aug 2024 22:57

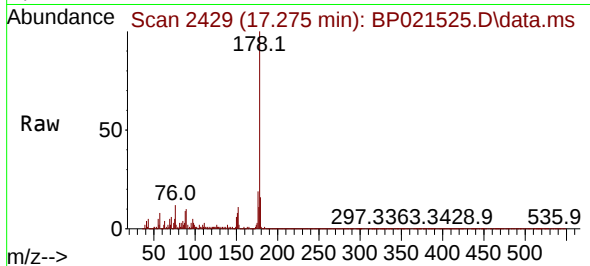
Tgt Ion:188 Resp: 1842295
Ion Ratio Lower Upper
188 100
94 12.9 10.2 15.4
80 14.1 11.6 17.4





#71
Phenanthrene
Concen: 27.827 ng
RT: 17.275 min Scan# 2429
Delta R.T. -0.024 min
Lab File: BP021525.D
Acq: 15 Aug 2024 22:57

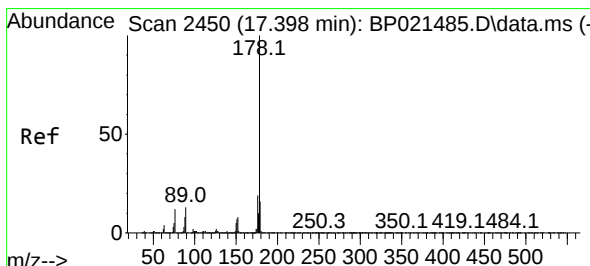
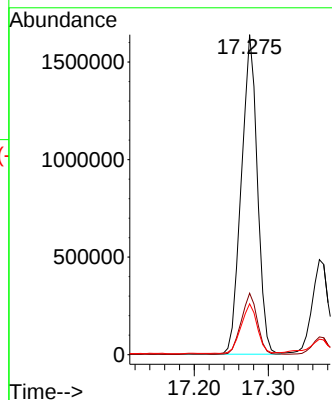
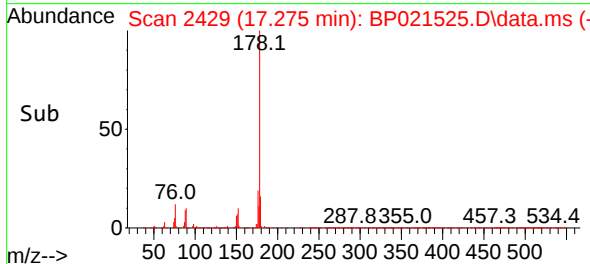
Instrument :
BNA_P
ClientSampleId :
NB-08-08142024



Tgt Ion:178 Resp: 2465494
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.9 12.4 18.6

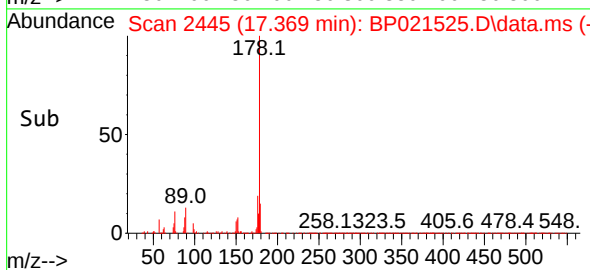
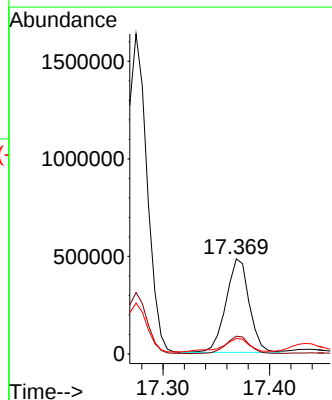
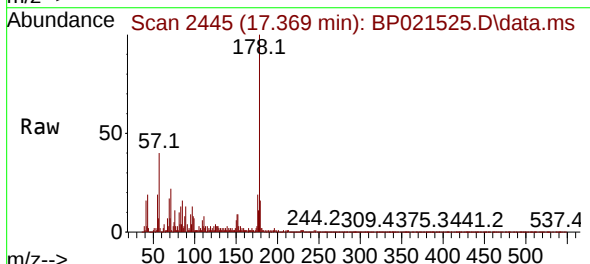
Manual Integrations
APPROVED

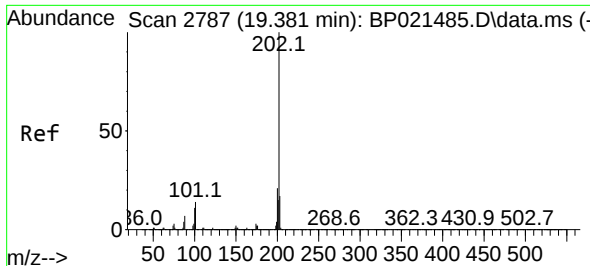
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#72
Anthracene
Concen: 8.382 ng
RT: 17.369 min Scan# 2445
Delta R.T. -0.030 min
Lab File: BP021525.D
Acq: 15 Aug 2024 22:57

Tgt Ion:178 Resp: 728296
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 16.3 12.5 18.7





#75
Fluoranthene
Concen: 27.600 ng
RT: 19.351 min Scan# 21
Delta R.T. -0.030 min
Lab File: BP021525.D
Acq: 15 Aug 2024 22:57

Instrument :

BNA_P

ClientSampleId :

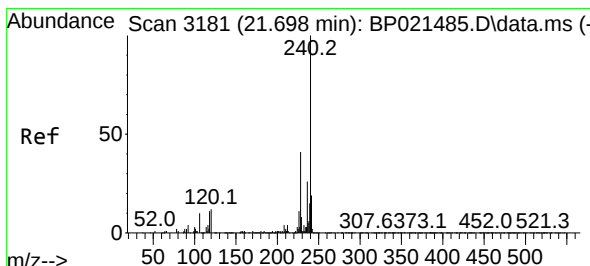
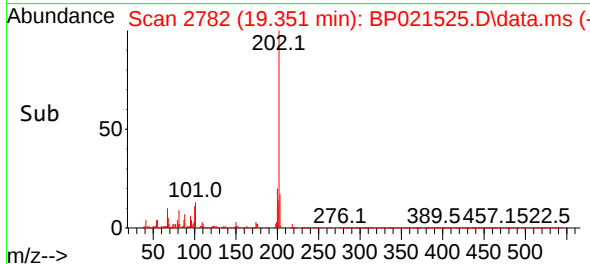
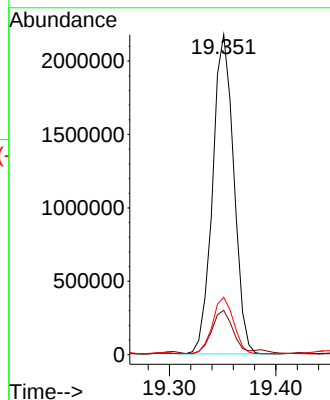
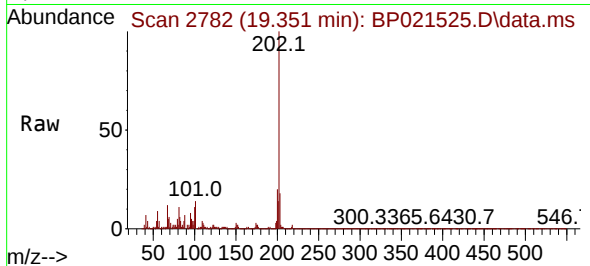
NB-08-08142024

Tgt Ion:202 Resp: 3000370
Ion Ratio Lower Upper
202 100
101 13.9 0.0 34.0
203 17.9 0.0 37.5

Manual Integrations

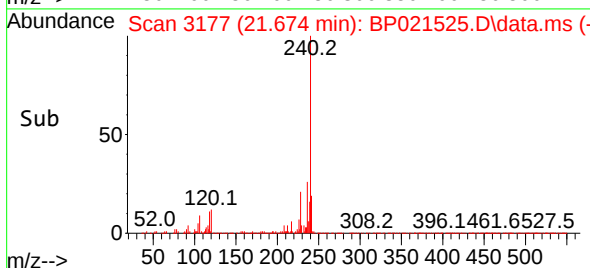
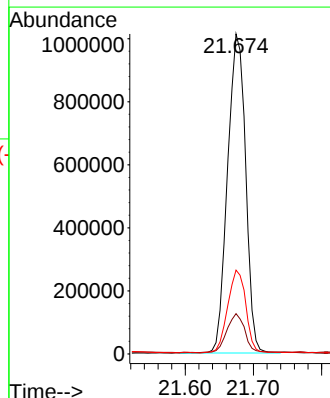
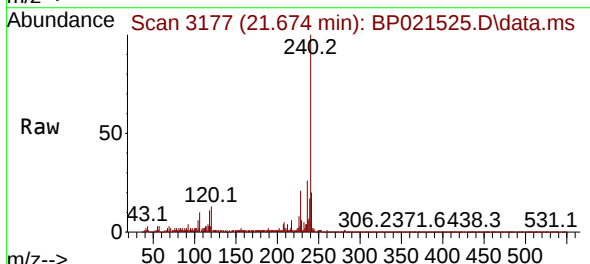
APPROVED

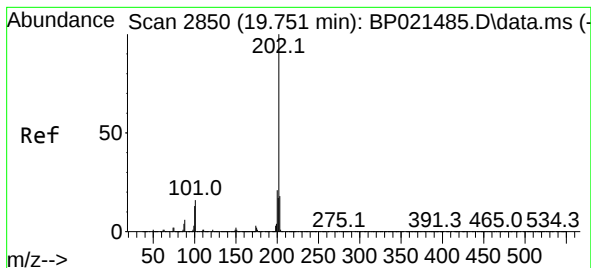
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.674 min Scan# 3177
Delta R.T. -0.024 min
Lab File: BP021525.D
Acq: 15 Aug 2024 22:57

Tgt Ion:240 Resp: 1870800
Ion Ratio Lower Upper
240 100
120 12.6 9.9 14.9
236 26.2 20.6 30.8





#78

Pyrene

Concen: 26.011 ng

RT: 19.722 min Scan# 2845

Delta R.T. -0.030 min

Lab File: BP021525.D

Acq: 15 Aug 2024 22:57

Instrument :

BNA_P

ClientSampleId :

NB-08-08142024

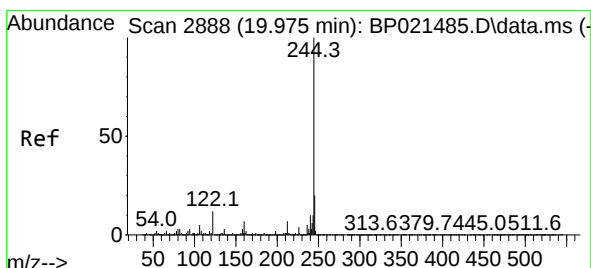
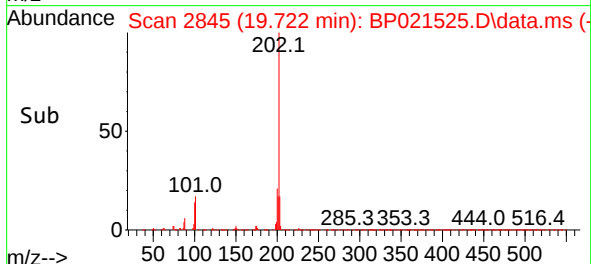
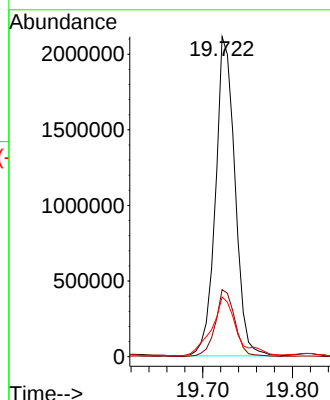
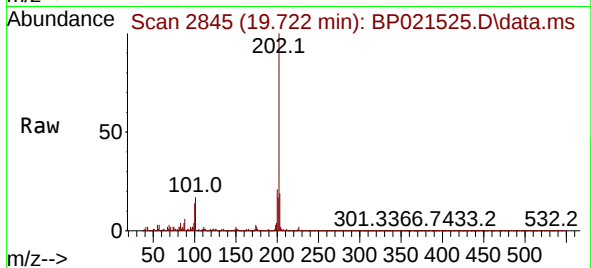
Tgt Ion:202 Resp: 318064

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	18.6	14.1	21.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#79

Terphenyl-d14

Concen: 58.659 ng

RT: 19.951 min Scan# 2884

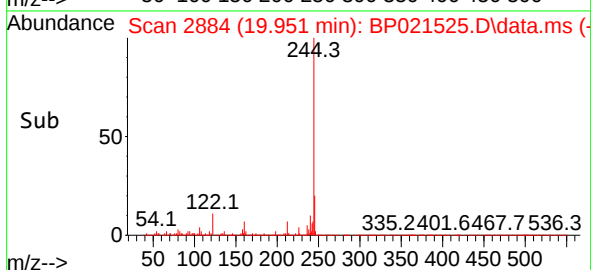
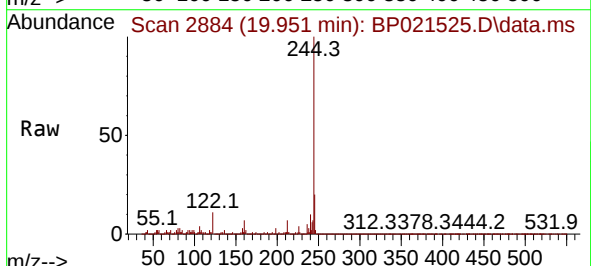
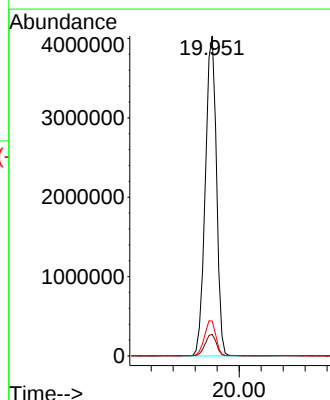
Delta R.T. -0.024 min

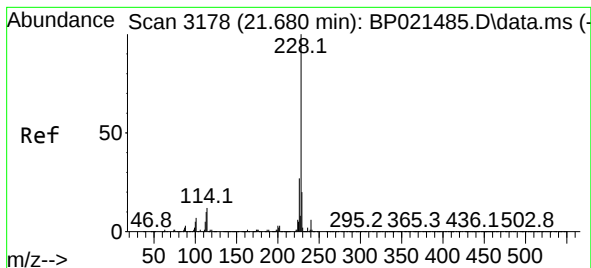
Lab File: BP021525.D

Acq: 15 Aug 2024 22:57

Tgt Ion:244 Resp: 5648678

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.9	9.4	14.2





#81

Benzo(a)anthracene

Concen: 12.261 ng

RT: 21.651 min Scan# 3173

Delta R.T. -0.029 min

Lab File: BP021525.D

Acq: 15 Aug 2024 22:57

Instrument :

BNA_P

ClientSampleId :

NB-08-08142024

Tgt Ion:228 Resp: 144000

Ion Ratio Lower Upper

228 100

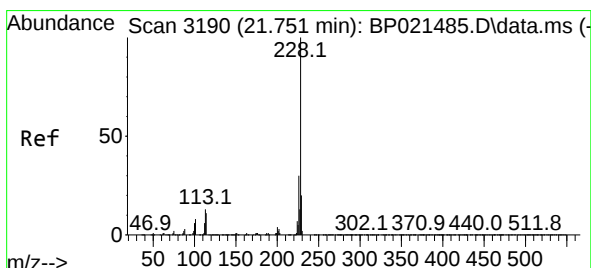
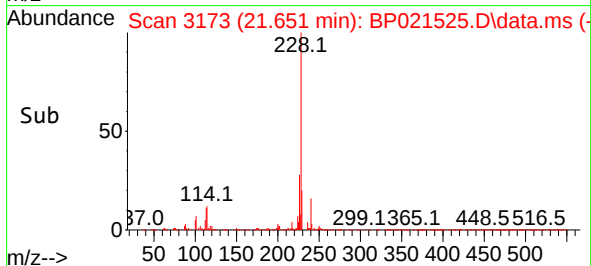
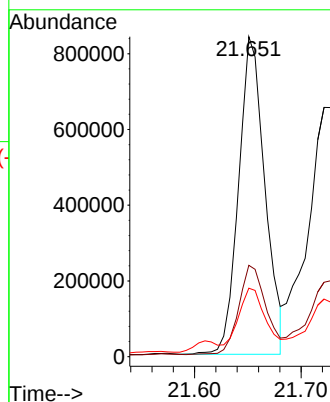
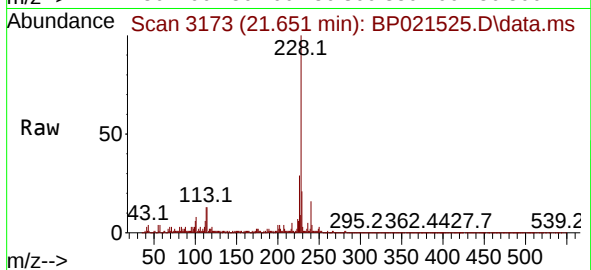
226 28.5 21.4 32.2

229 21.4 15.8 23.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#83

Chrysene

Concen: 13.311 ng m

RT: 21.721 min Scan# 3185

Delta R.T. -0.030 min

Lab File: BP021525.D

Acq: 15 Aug 2024 22:57

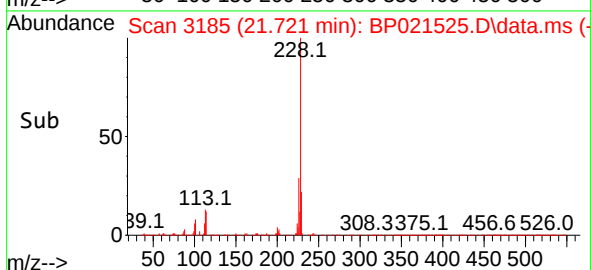
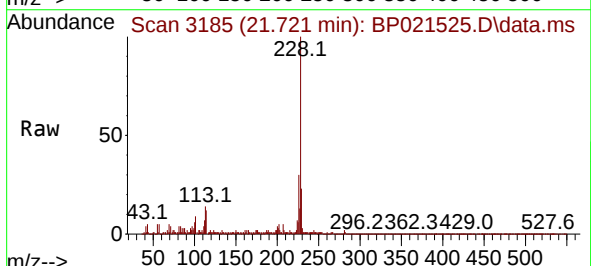
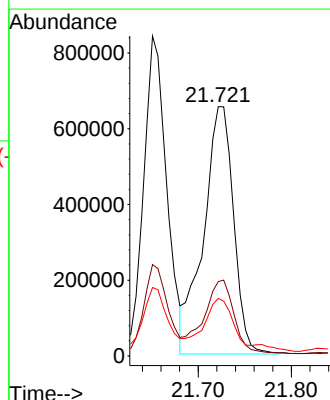
Tgt Ion:228 Resp: 1475922

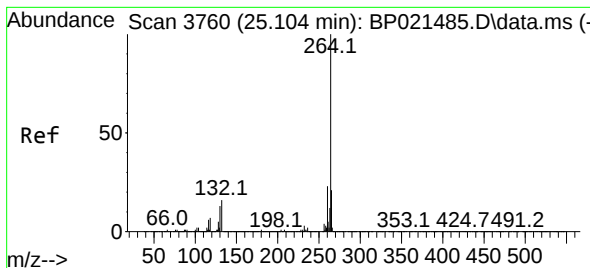
Ion Ratio Lower Upper

228 100

226 29.8 23.9 35.9

229 23.1 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.080 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP021525.D

Acq: 15 Aug 2024 22:57

Instrument :

BNA_P

ClientSampleId :

NB-08-08142024

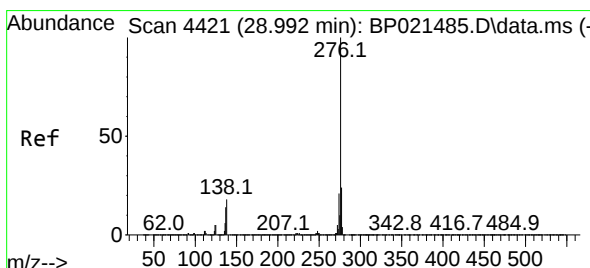
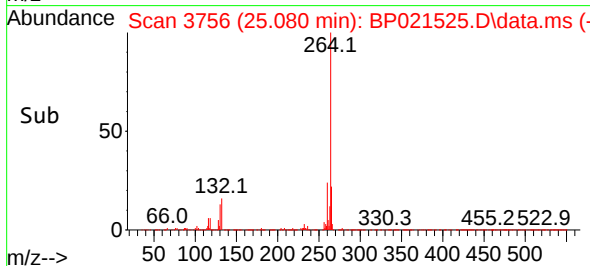
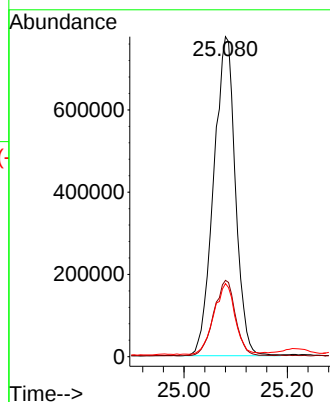
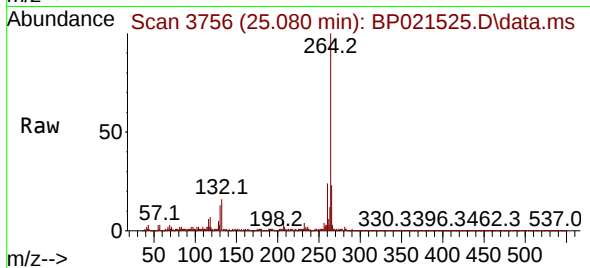
Tgt Ion:264 Resp: 2260000

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	22.8	17.1	25.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.378 ng

RT: 28.939 min Scan# 4412

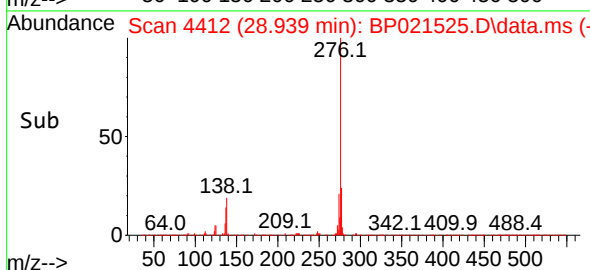
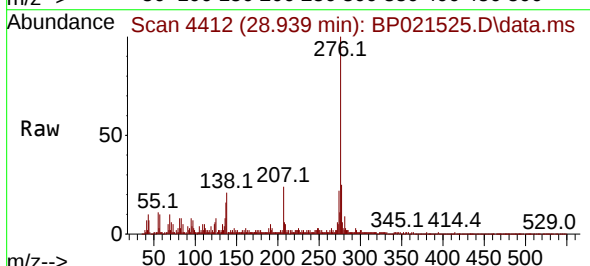
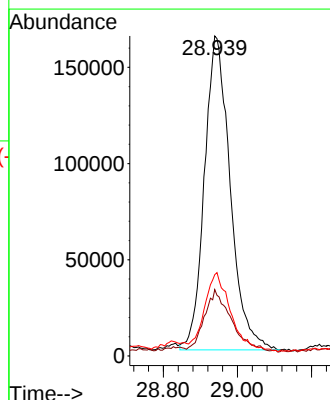
Delta R.T. -0.053 min

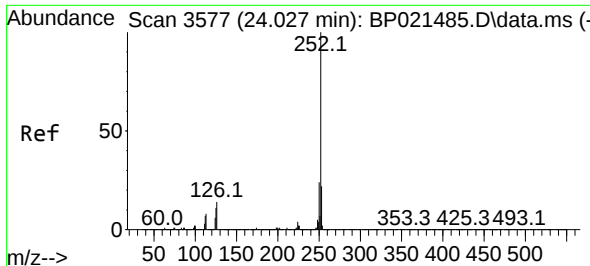
Lab File: BP021525.D

Acq: 15 Aug 2024 22:57

Tgt Ion:276 Resp: 787865

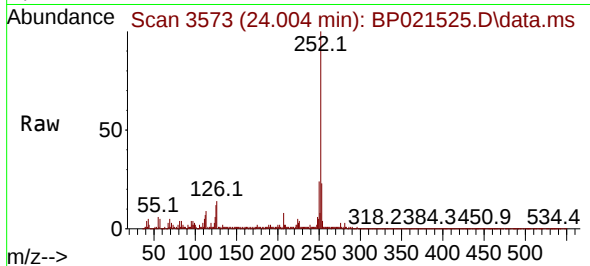
Ion	Ratio	Lower	Upper
276	100		
138	20.0	12.8	19.2#
277	25.8	16.5	24.7#





#88
Benzo(b)fluoranthene
Concen: 12.851 ng
RT: 24.004 min Scan# 3573
Delta R.T. -0.024 min
Lab File: BP021525.D
Acq: 15 Aug 2024 22:57

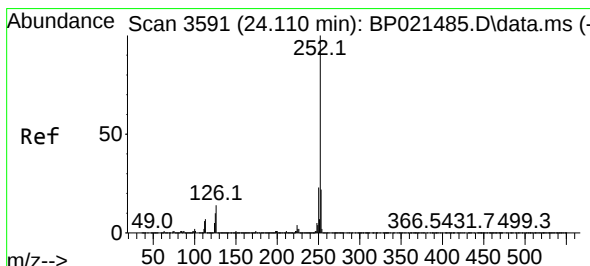
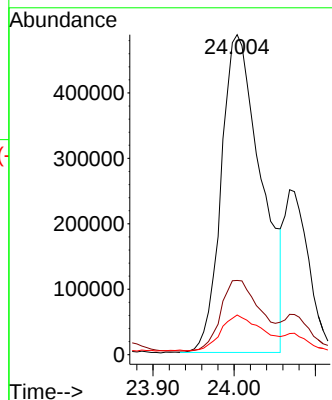
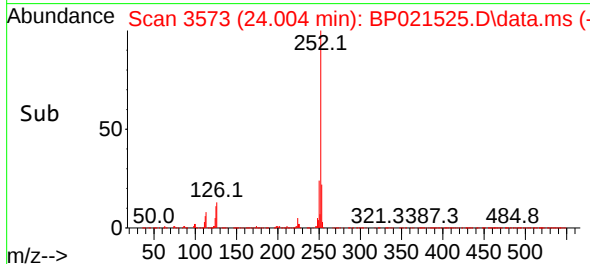
Instrument :
BNA_P
ClientSampleId :
NB-08-08142024



Tgt Ion:252 Resp: 166804
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 12.4 8.6 13.0

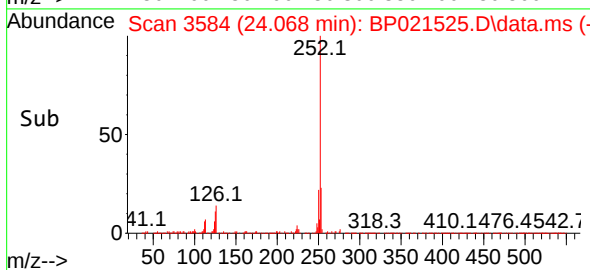
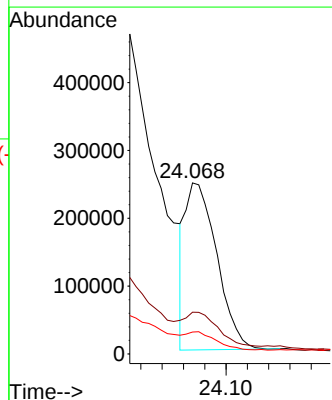
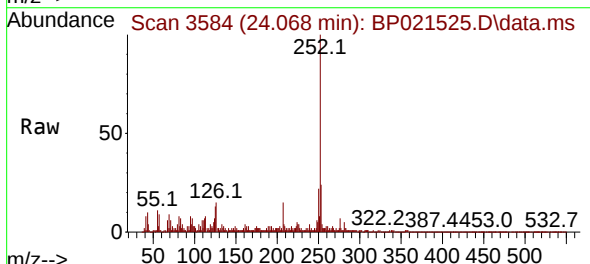
Manual Integrations
APPROVED

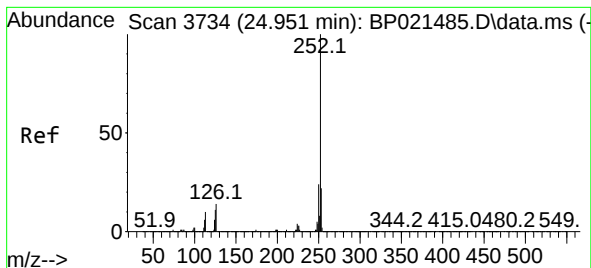
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#89
Benzo(k)fluoranthene
Concen: 3.967 ng
RT: 24.068 min Scan# 3584
Delta R.T. -0.041 min
Lab File: BP021525.D
Acq: 15 Aug 2024 22:57

Tgt Ion:252 Resp: 502240
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 12.8 7.8 11.8#





#90

Benzo(a)pyrene

Concen: 11.910 ng

RT: 24.910 min Scan# 31

Delta R.T. -0.041 min

Lab File: BP021525.D

Acq: 15 Aug 2024 22:57

Instrument :

BNA_P

ClientSampleId :

NB-08-08142024

Tgt Ion:252 Resp: 1341560

Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

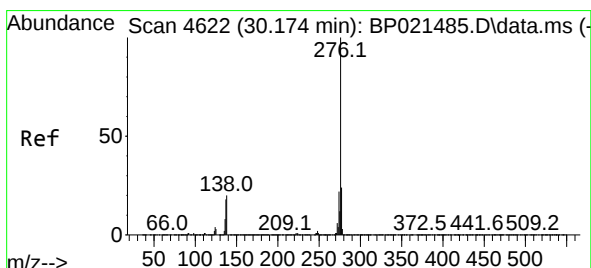
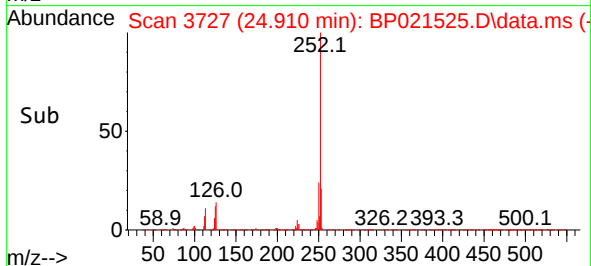
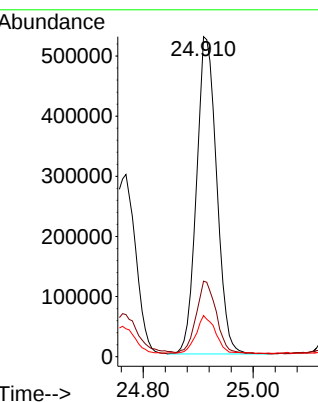
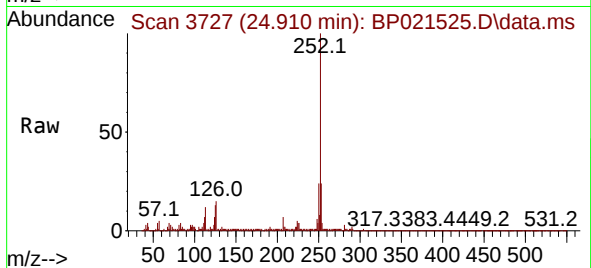
125 12.9 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024

Supervised By :mohammad ahmed 08/17/2024



#92

Benzo(g,h,i)perylene

Concen: 6.603 ng

RT: 30.133 min Scan# 4615

Delta R.T. -0.041 min

Lab File: BP021525.D

Acq: 15 Aug 2024 22:57

Tgt Ion:276 Resp: 805594

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.6

138 21.6 16.0 24.0

