

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
 Data File : BP021528.D
 Acq On : 16 Aug 2024 01:07
 Operator : RC/JU
 Sample : P3579-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VCPS-B1-081224-0-16

Quant Time: Aug 16 01:36:25 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	499803	20.000	ng	0.00
21) Naphthalene-d8	10.598	136	2063907	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	1266059	20.000	ng	0.00
64) Phenanthrene-d10	17.251	188	2320285	20.000	ng	0.00
76) Chrysene-d12	21.715	240	1706623	20.000	ng	0.02
86) Perylene-d12	25.168	264	2084937	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	3055120	90.764	ng	0.01
7) Phenol-d6	6.969	99	4380720	89.217	ng	0.00
23) Nitrobenzene-d5	8.951	82	2666086	66.675	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	1274744	90.467	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	4438535	53.504	ng	0.00
79) Terphenyl-d14	19.974	244	4419760	50.312	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.169	152	1555239	15.171	ng	100
71) Phenanthrene	17.298	178	3017771	27.044	ng	99
72) Anthracene	17.398	178	1684413	15.392	ng	99
75) Fluoranthene	19.386	202	8297825	60.605	ng	99
78) Pyrene	19.762	202	7427491	66.586	ng	98
81) Benzo(a)anthracene	21.698	228	5295082m	49.424	ng	
83) Chrysene	21.768	228	4810936	47.562	ng	98
87) Indeno(1,2,3-cd)pyrene	29.109	276	3256492m	24.096	ng	
88) Benzo(b)fluoranthene	24.062	252	6449297	53.860	ng	98
89) Benzo(k)fluoranthene	24.133	252	2082933	17.832	ng	95
90) Benzo(a)pyrene	24.992	252	4501281	43.318	ng	96
91) Dibenzo(a,h)anthracene	29.144	278	875379m	7.795	ng	
92) Benzo(g,h,i)perylene	30.303	276	2894174	25.715	ng	99

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

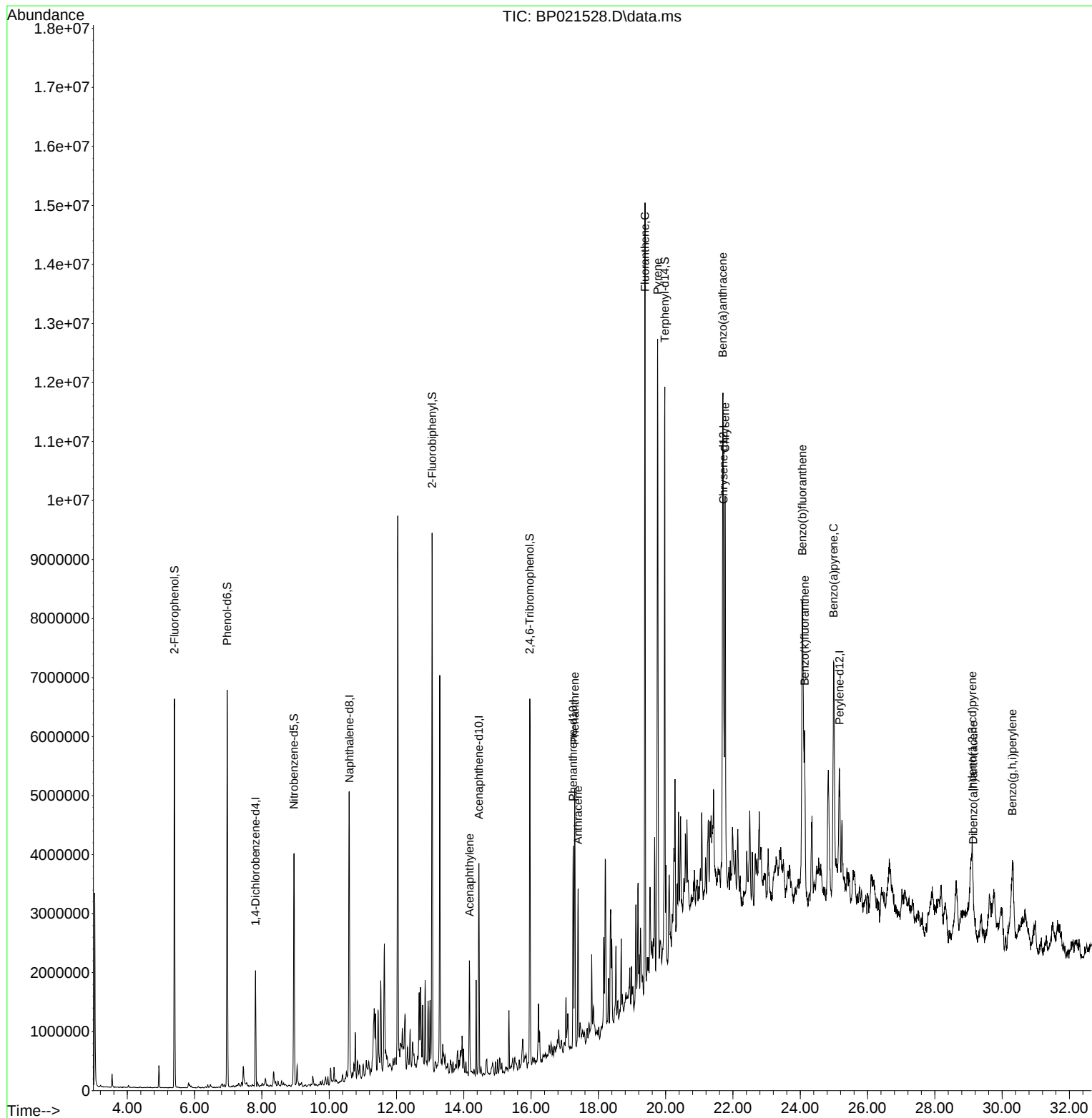
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021528.D
Acq On : 16 Aug 2024 01:07
Operator : RC/JU
Sample : P3579-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

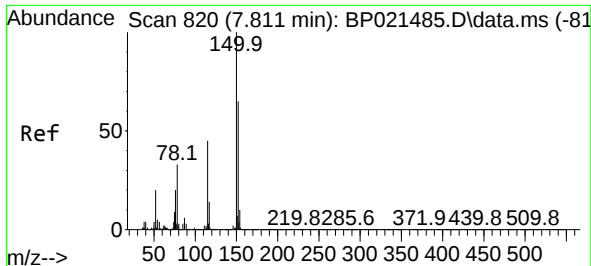
Instrument :
BNA_P
ClientSampleId :
VCPS-B1-081224-0-16

Quant Time: Aug 16 01:36:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
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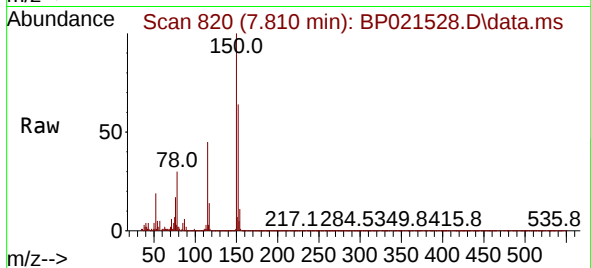
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 81
Delta R.T. -0.001 min
Lab File: BP021528.D
Acq: 16 Aug 2024 01:07

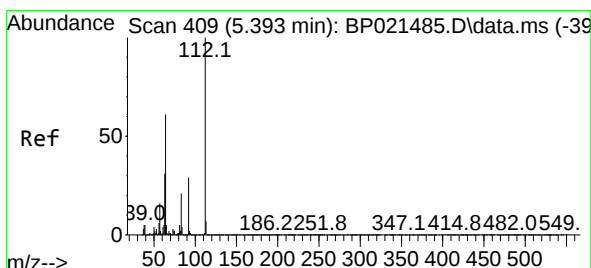
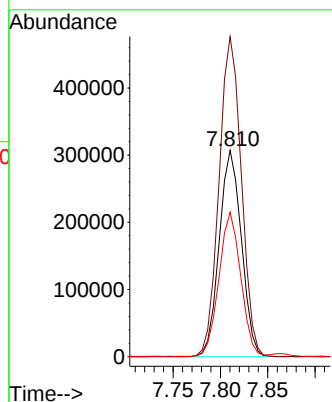
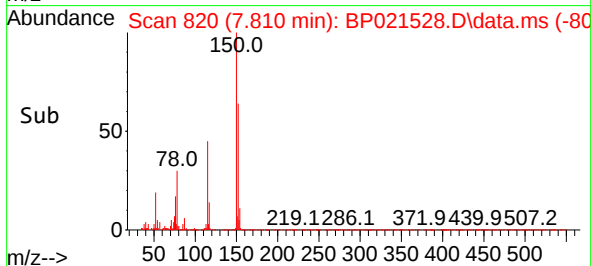
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BNA_P
ClientSampleId :
VCPS-B1-081224-0-16



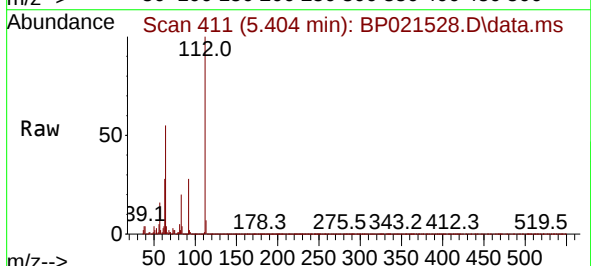
Tgt Ion:152 Resp: 49980
Ion Ratio Lower Upper
152 100
150 155.2 122.4 183.6
115 70.0 54.7 82.1

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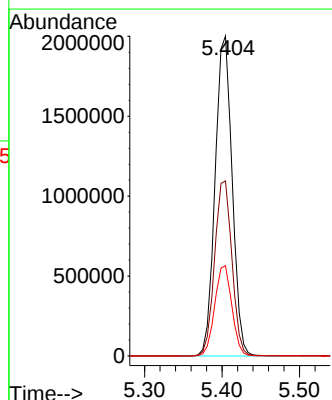
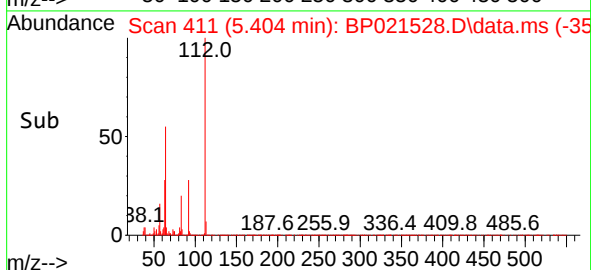
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#5
2-Fluorophenol
Concen: 90.764 ng
RT: 5.404 min Scan# 411
Delta R.T. 0.011 min
Lab File: BP021528.D
Acq: 16 Aug 2024 01:07



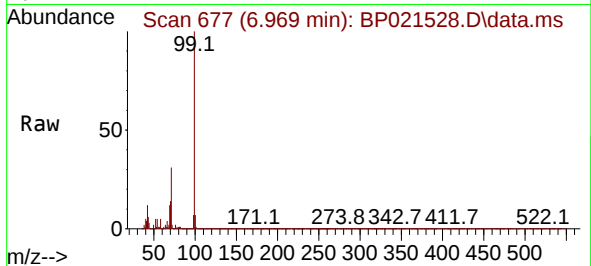
Tgt Ion:112 Resp: 3055120
Ion Ratio Lower Upper
112 100
64 54.7 49.0 73.6
63 28.2 24.6 36.8





#7
Phenol-d6
Concen: 89.217 ng
RT: 6.969 min Scan# 61
Delta R.T. 0.005 min
Lab File: BP021528.D
Acq: 16 Aug 2024 01:07

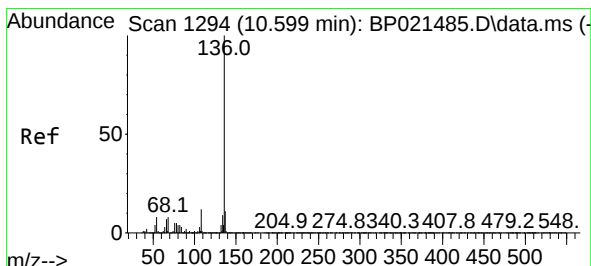
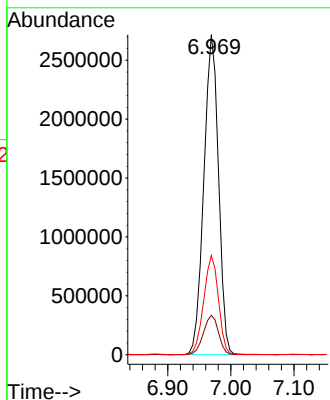
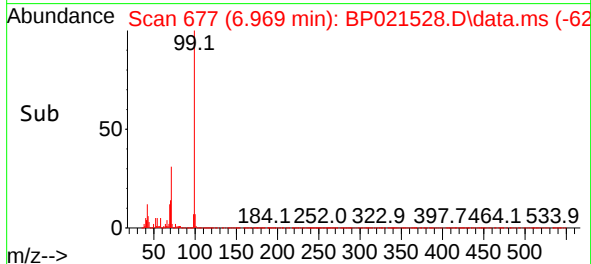
Instrument :
BNA_P
ClientSampleId :
VCPS-B1-081224-0-16



Tgt Ion: 99 Resp: 4380720
Ion Ratio Lower Upper
99 100
42 12.3 10.2 15.4
71 30.9 25.8 38.8

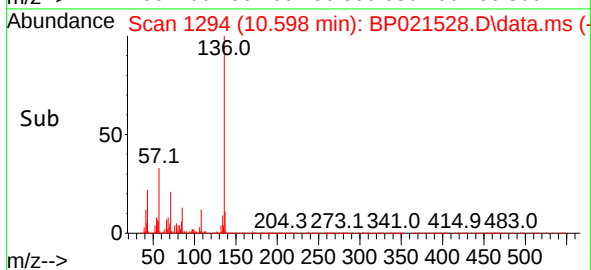
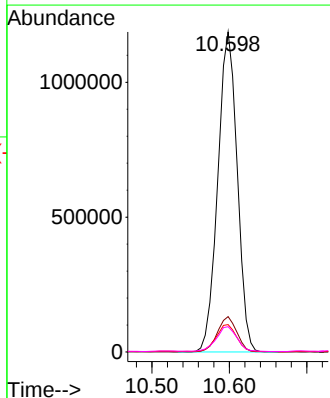
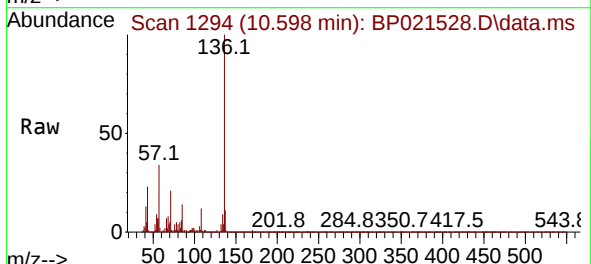
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Supervised By :mohammad ahmed 08/17/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.598 min Scan# 1294
Delta R.T. -0.001 min
Lab File: BP021528.D
Acq: 16 Aug 2024 01:07

Tgt Ion:136 Resp: 2063907
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.6 6.3 9.5
68 7.9 6.8 10.2





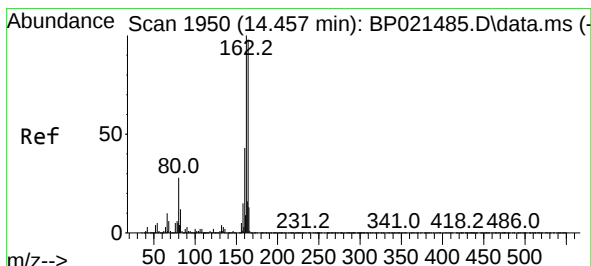
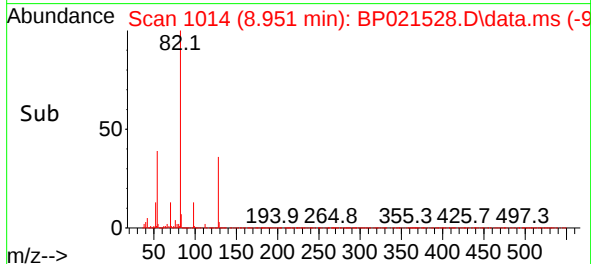
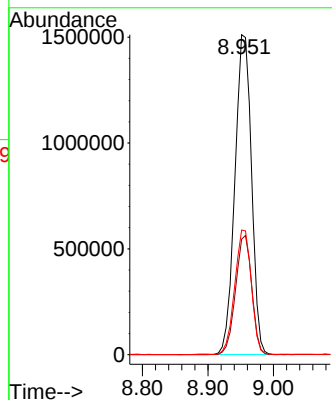
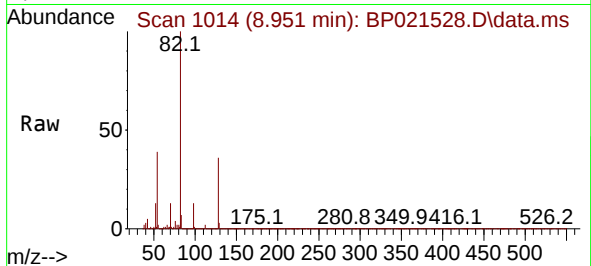
#23
Nitrobenzene-d5
Concen: 66.675 ng
RT: 8.951 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BP021528.D
Acq: 16 Aug 2024 01:07

Instrument :
BNA_P
ClientSampleId :
VCPS-B1-081224-0-16

Tgt Ion: 82 Resp: 2666080
Ion Ratio Lower Upper
82 100
128 36.1 26.5 39.7
54 38.9 30.3 45.5

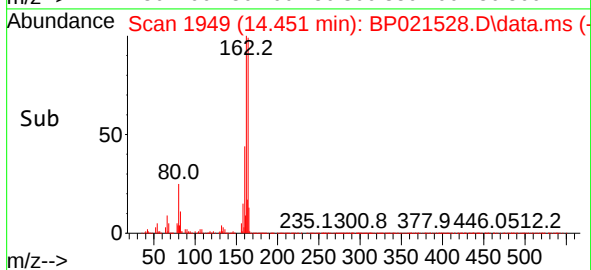
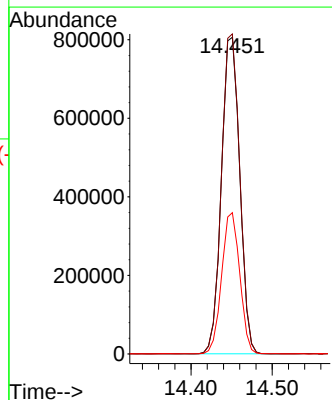
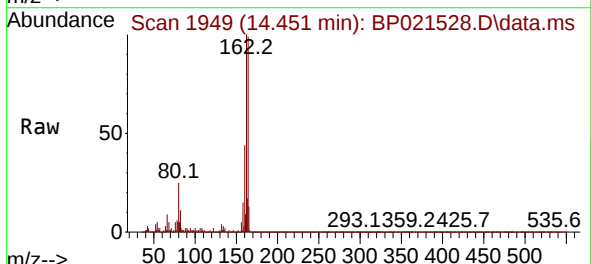
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP021528.D
Acq: 16 Aug 2024 01:07

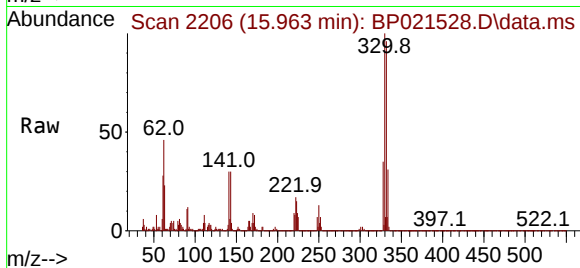
Tgt Ion:164 Resp: 1266059
Ion Ratio Lower Upper
164 100
162 101.1 81.5 122.3
160 44.6 35.2 52.8





#42
2,4,6-Tribromophenol
Concen: 90.467 ng
RT: 15.963 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021528.D
Acq: 16 Aug 2024 01:07

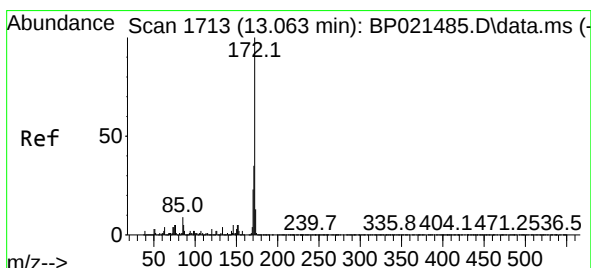
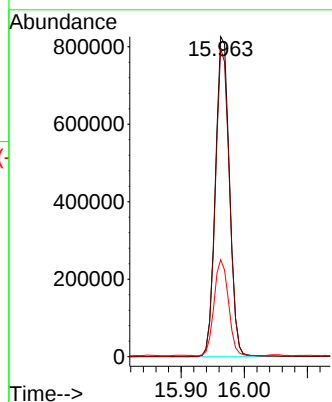
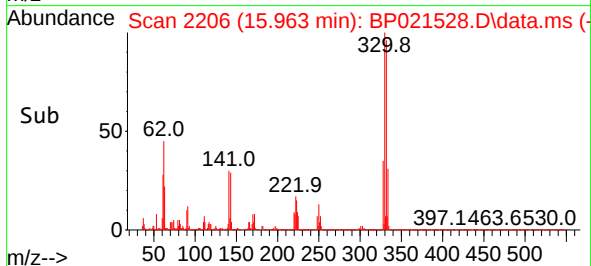
Instrument :
BNA_P
ClientSampleId :
VCPS-B1-081224-0-16



Tgt Ion:330 Resp: 1274744
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.0
141 30.6 24.5 36.7

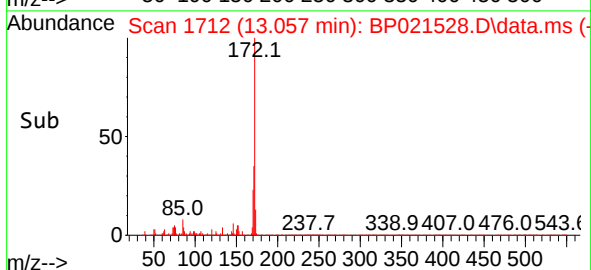
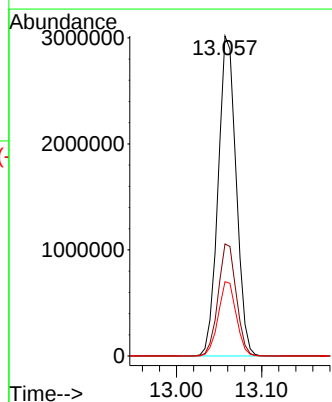
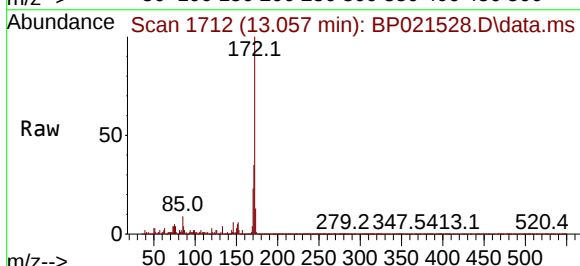
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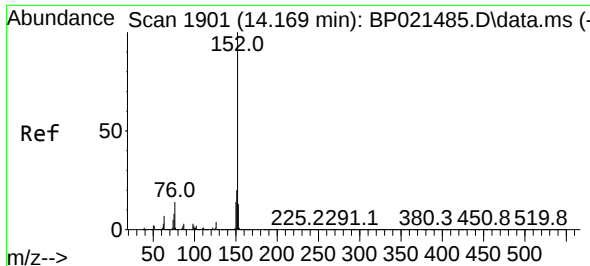
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#45
2-Fluorobiphenyl
Concen: 53.504 ng
RT: 13.057 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP021528.D
Acq: 16 Aug 2024 01:07

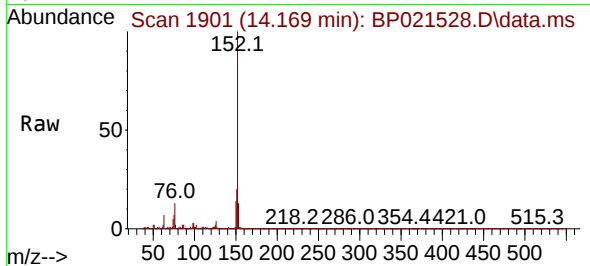
Tgt Ion:172 Resp: 4438535
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 23.2 18.4 27.6





#49
Acenaphthylene
Concen: 15.171 ng
RT: 14.169 min Scan# 1901
Delta R.T. -0.000 min
Lab File: BP021528.D
Acq: 16 Aug 2024 01:07

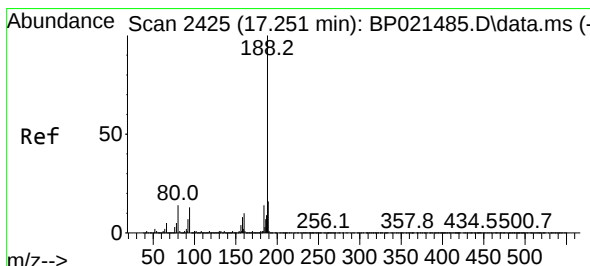
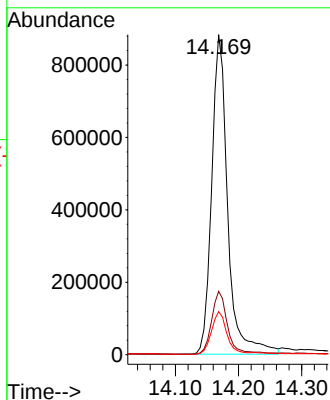
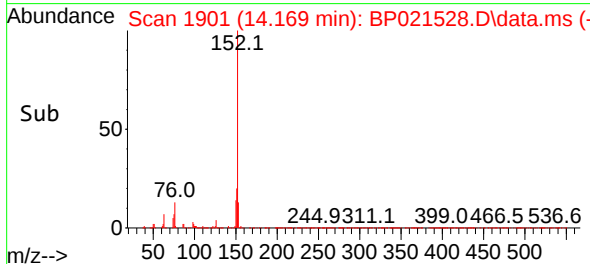
Instrument :
BNA_P
ClientSampleId :
VCPS-B1-081224-0-16



Tgt Ion:152 Resp: 1555239
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.5 10.6 16.0

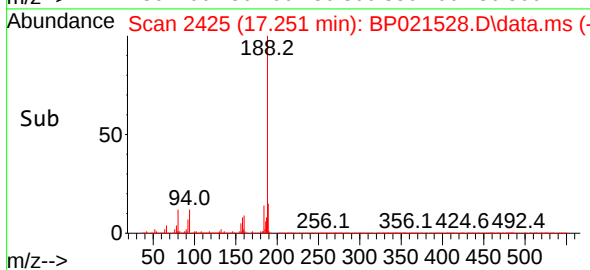
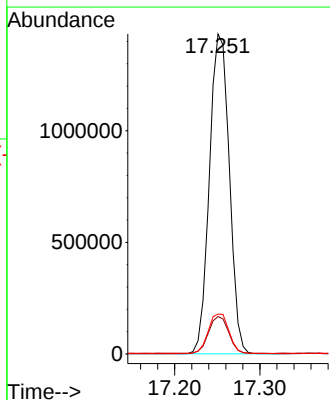
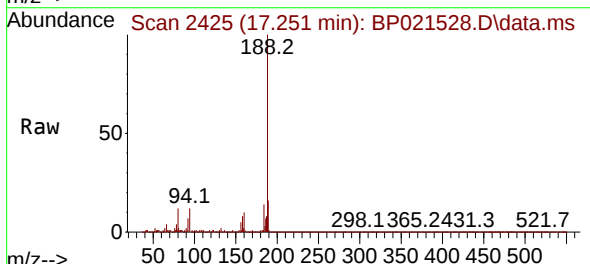
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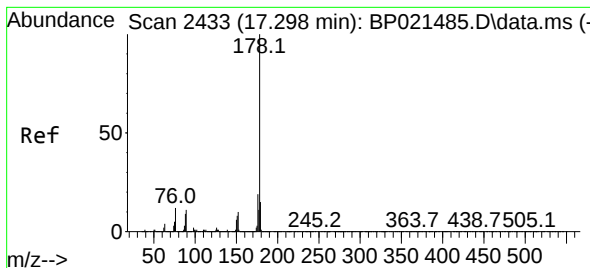
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP021528.D
Acq: 16 Aug 2024 01:07

Tgt Ion:188 Resp: 2320285
Ion Ratio Lower Upper
188 100
94 11.7 10.2 15.4
80 12.5 11.6 17.4





#71

Phenanthrene

Concen: 27.044 ng

RT: 17.298 min Scan# 2433

Delta R.T. -0.000 min

Lab File: BP021528.D

Acq: 16 Aug 2024 01:07

Instrument :

BNA_P

ClientSampleId :

VCPS-B1-081224-0-16

Tgt Ion:178 Resp: 301777

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

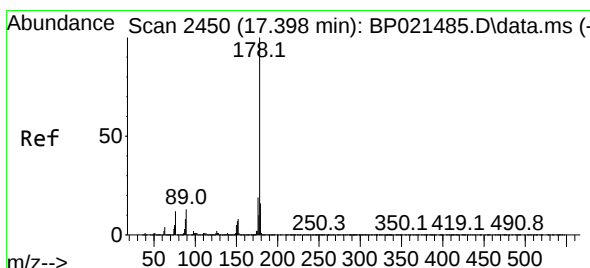
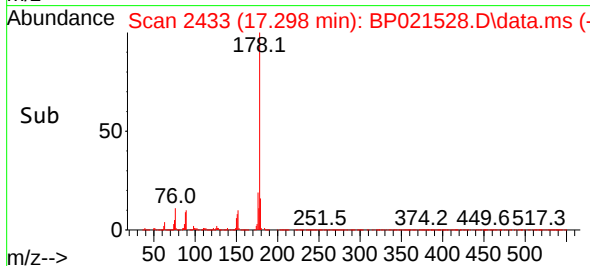
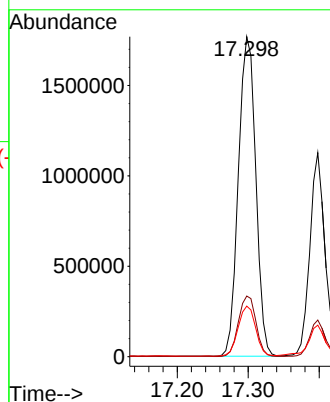
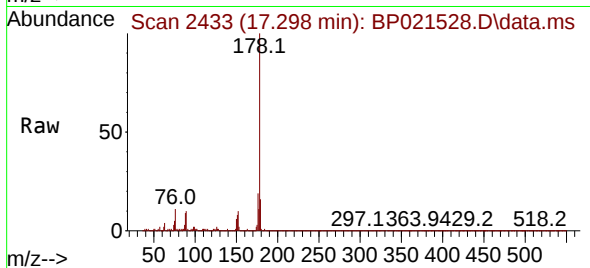
179 15.8 12.4 18.6

Manual Integrations

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#72

Anthracene

Concen: 15.392 ng

RT: 17.398 min Scan# 2450

Delta R.T. -0.000 min

Lab File: BP021528.D

Acq: 16 Aug 2024 01:07

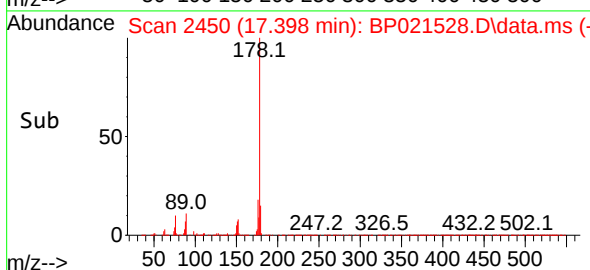
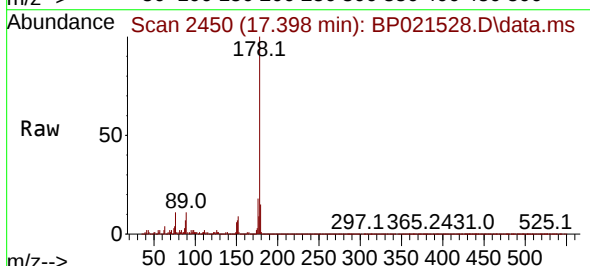
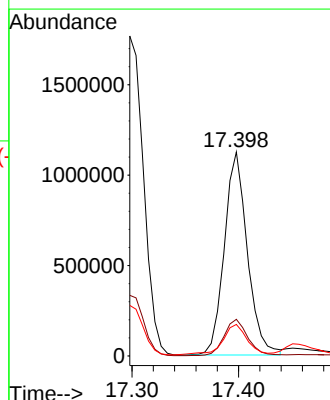
Tgt Ion:178 Resp: 1684413

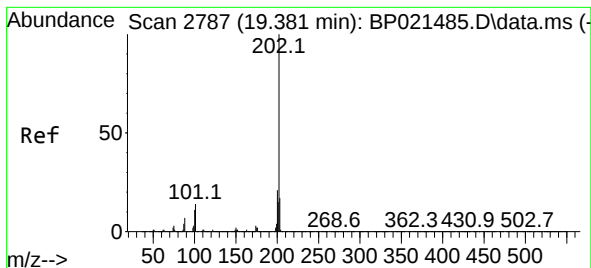
Ion Ratio Lower Upper

178 100

176 18.0 14.9 22.3

179 15.4 12.5 18.7





#75

Fluoranthene

Concen: 60.605 ng

RT: 19.386 min Scan# 21

Delta R.T. 0.005 min

Lab File: BP021528.D

Acq: 16 Aug 2024 01:07

Instrument :

BNA_P

ClientSampleId :

VCPS-B1-081224-0-16

Tgt Ion:202 Resp: 829782

Ion Ratio Lower Upper

202 100

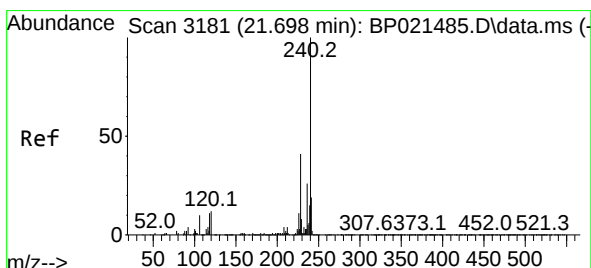
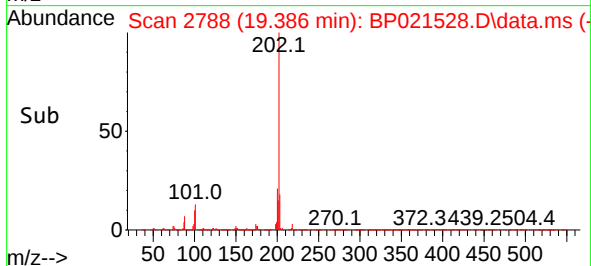
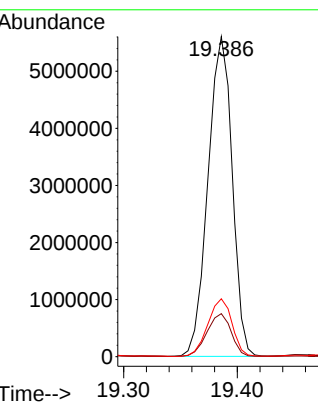
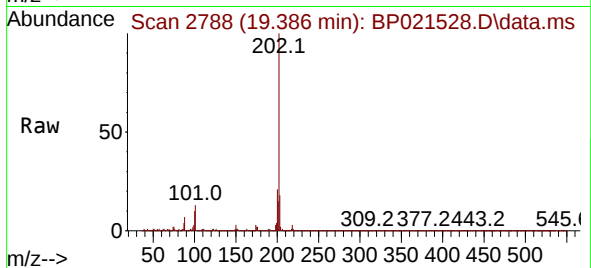
101 13.4 0.0 34.0

203 18.1 0.0 37.5

Manual Integrations

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Supervised By :mohammad ahmed 08/17/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.715 min Scan# 3184

Delta R.T. 0.017 min

Lab File: BP021528.D

Acq: 16 Aug 2024 01:07

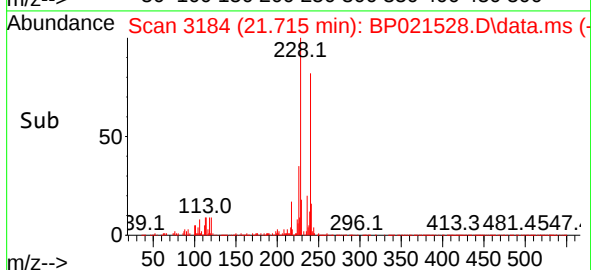
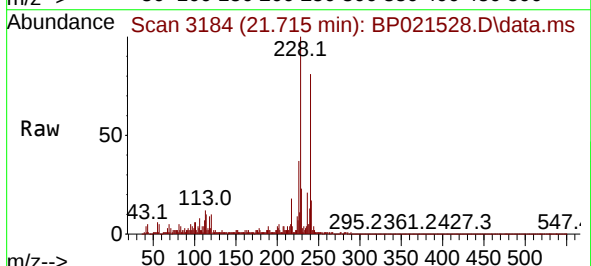
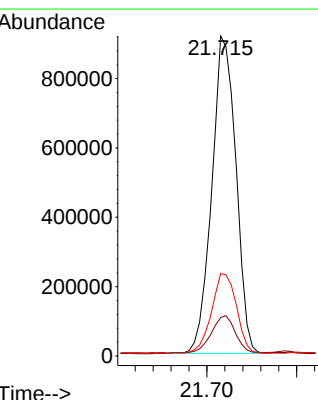
Tgt Ion:240 Resp: 1706623

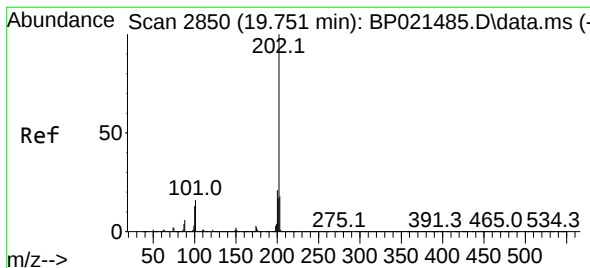
Ion Ratio Lower Upper

240 100

120 12.0 9.9 14.9

236 25.8 20.6 30.8





#78

Pyrene

Concen: 66.586 ng

RT: 19.762 min Scan# 2852

Delta R.T. 0.011 min

Lab File: BP021528.D

Acq: 16 Aug 2024 01:07

Instrument :

BNA_P

ClientSampleId :

VCPS-B1-081224-0-16

Tgt Ion:202 Resp: 742749

Ion Ratio Lower Upper

202 100

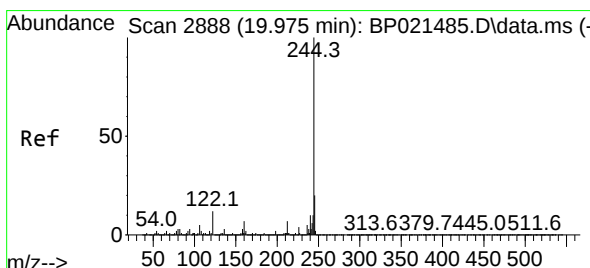
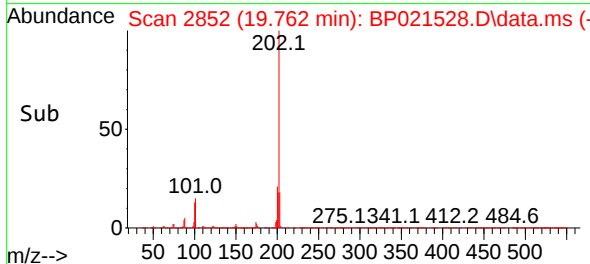
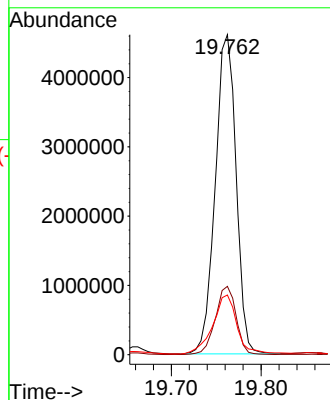
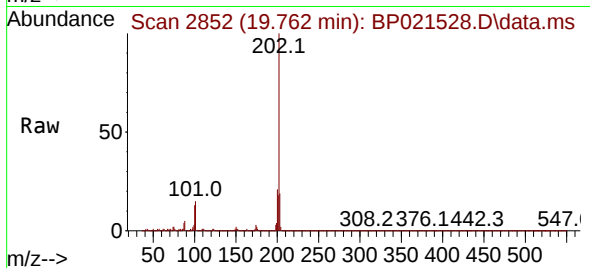
200 21.4 16.7 25.1

203 18.7 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: 50.312 ng

RT: 19.974 min Scan# 2888

Delta R.T. -0.001 min

Lab File: BP021528.D

Acq: 16 Aug 2024 01:07

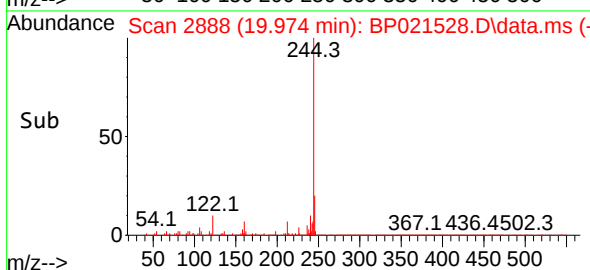
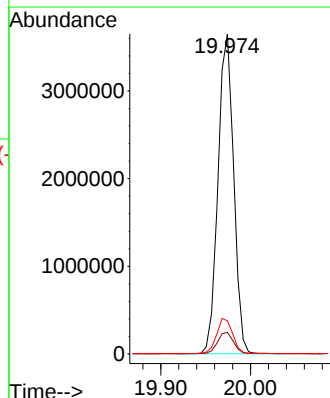
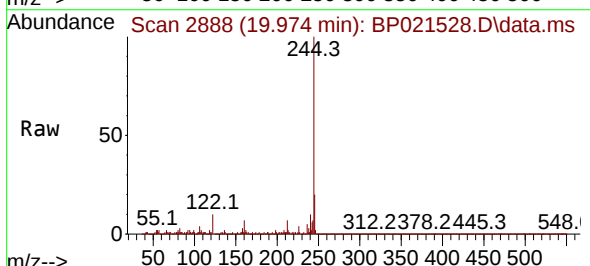
Tgt Ion:244 Resp: 4419760

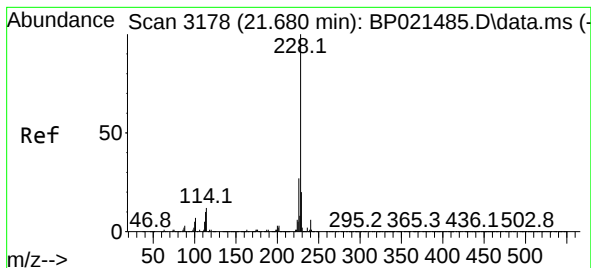
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 10.4 9.4 14.2





#81

Benzo(a)anthracene

Concen: 49.424 ng m

RT: 21.698 min Scan# 3181

Delta R.T. 0.017 min

Lab File: BP021528.D

Acq: 16 Aug 2024 01:07

Instrument :

BNA_P

ClientSampleId :

VCPS-B1-081224-0-16

Tgt Ion:228 Resp: 529508

Ion Ratio Lower Upper

228 100

226 32.5 21.4 32.2

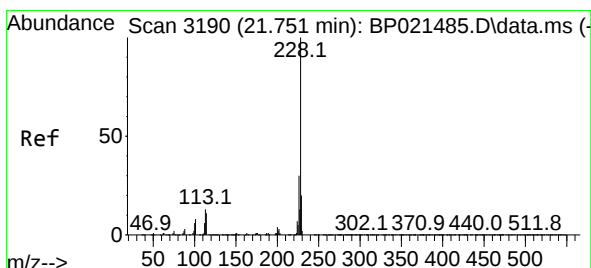
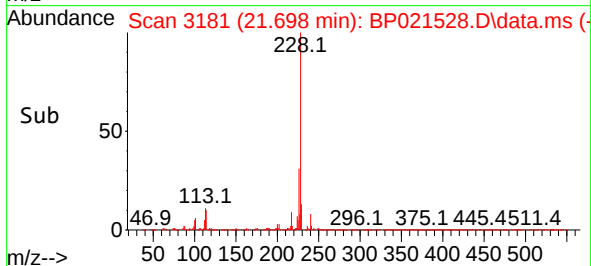
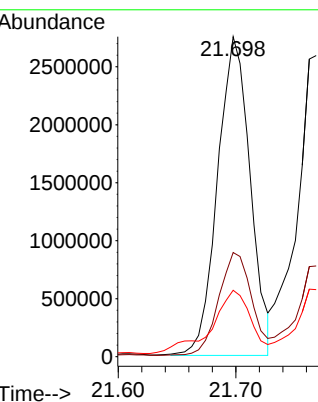
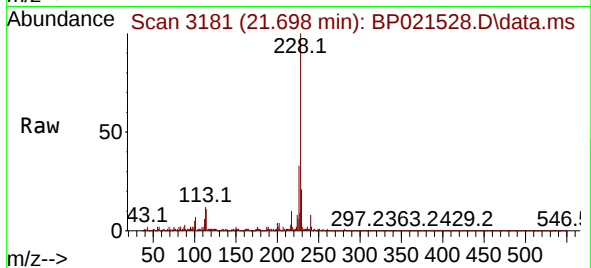
229 20.8 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024

Supervised By :mohammad ahmed 08/17/2024



#83

Chrysene

Concen: 47.562 ng

RT: 21.768 min Scan# 3193

Delta R.T. 0.017 min

Lab File: BP021528.D

Acq: 16 Aug 2024 01:07

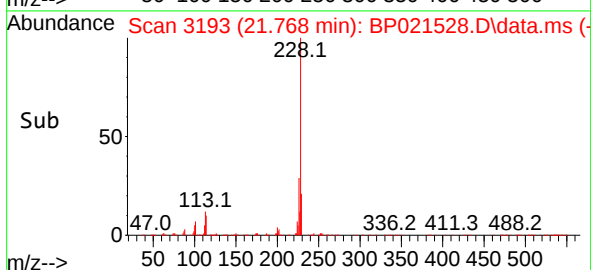
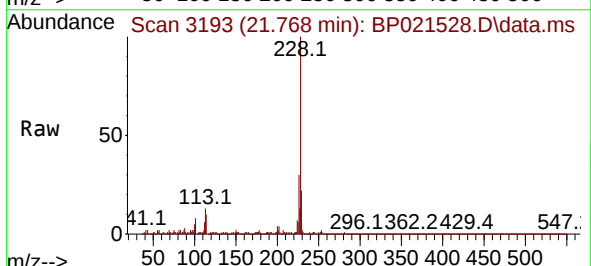
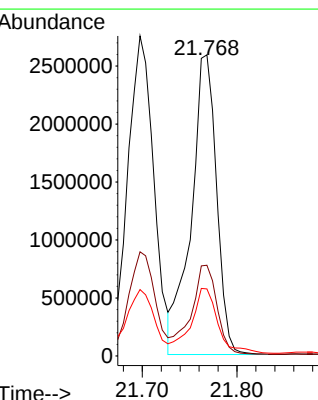
Tgt Ion:228 Resp: 4810936

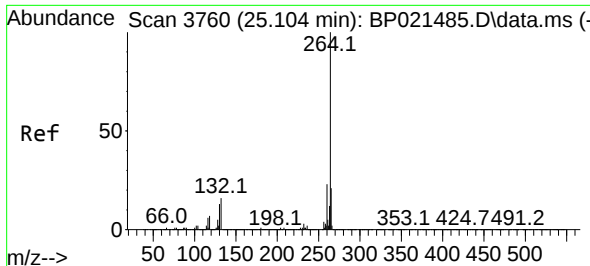
Ion Ratio Lower Upper

228 100

226 30.1 23.9 35.9

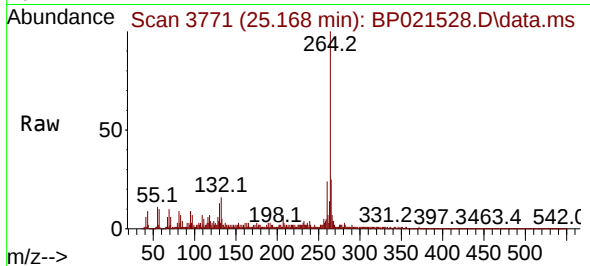
229 22.2 15.8 23.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.168 min Scan# 31
 Delta R.T. 0.064 min
 Lab File: BP021528.D
 Acq: 16 Aug 2024 01:07

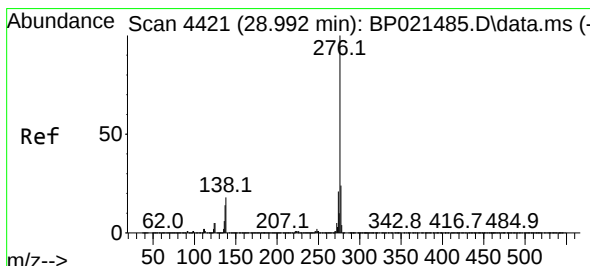
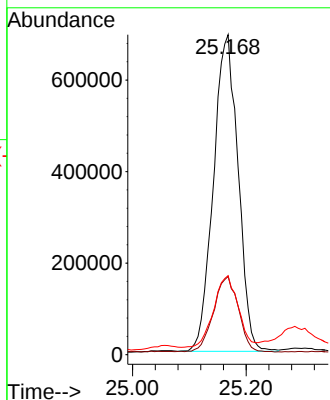
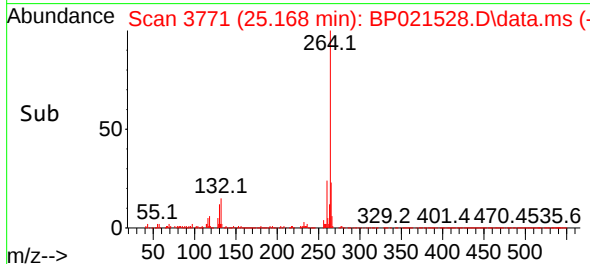
Instrument :
 BNA_P
 ClientSampleId :
 VCPS-B1-081224-0-16



Tgt Ion:264 Resp: 208493
 Ion Ratio Lower Upper
 264 100
 260 24.5 18.6 28.0
 265 24.7 17.1 25.7

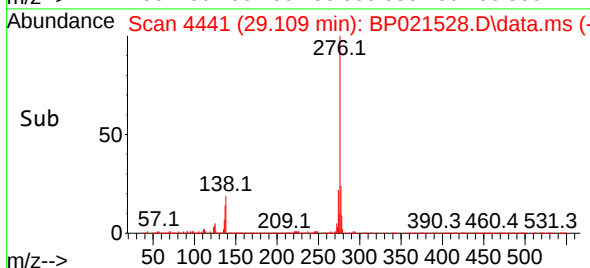
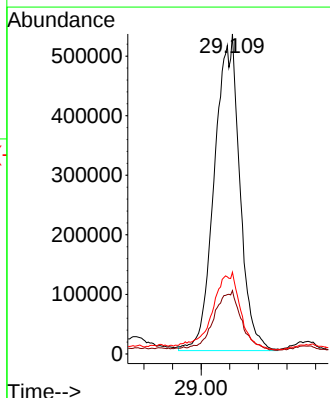
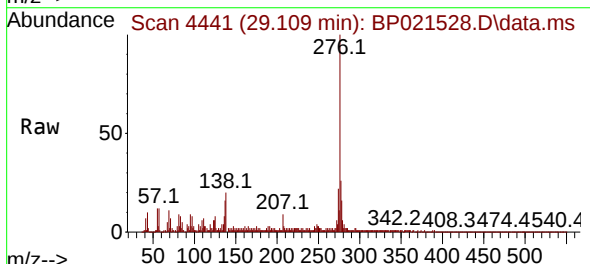
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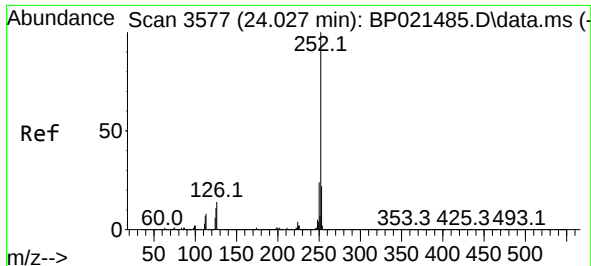
Reviewed By :Jagrut Upadhyay 08/16/2024
 Supervised By :mohammad ahmed 08/17/2024



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 24.096 ng m
 RT: 29.109 min Scan# 4441
 Delta R.T. 0.117 min
 Lab File: BP021528.D
 Acq: 16 Aug 2024 01:07

Tgt Ion:276 Resp: 3256492
 Ion Ratio Lower Upper
 276 100
 138 0.0 12.8 19.2#
 277 15.5 16.5 24.7#





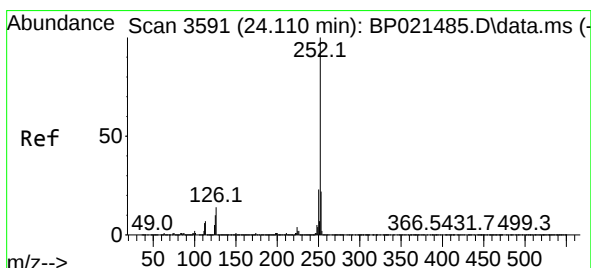
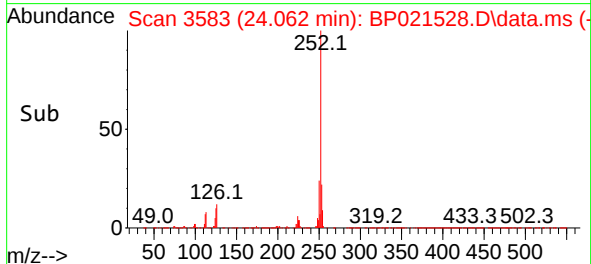
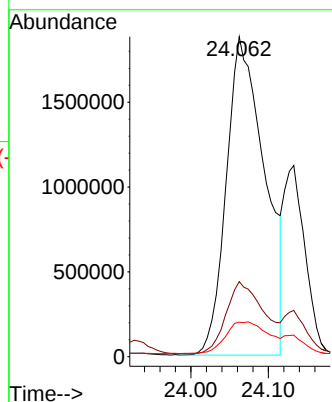
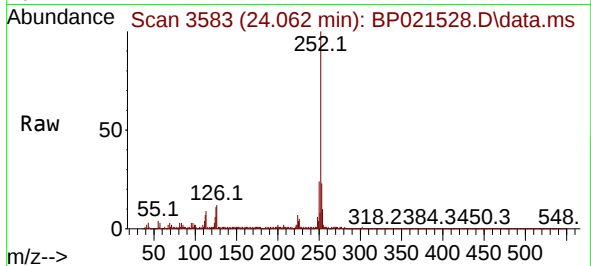
#88
Benzo(b)fluoranthene
Concen: 53.860 ng
RT: 24.062 min Scan# 3577
Delta R.T. 0.035 min
Lab File: BP021528.D
Acq: 16 Aug 2024 01:07

Instrument :
BNA_P
ClientSampleId :
VCPS-B1-081224-0-16

Tgt Ion:252 Resp: 644929
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 10.8 8.6 13.0

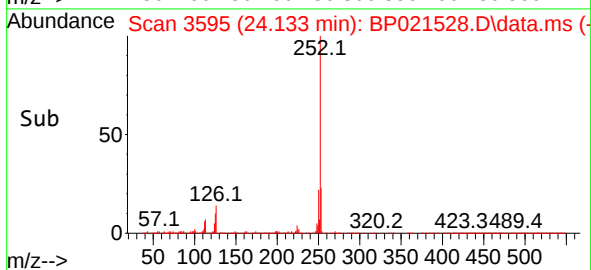
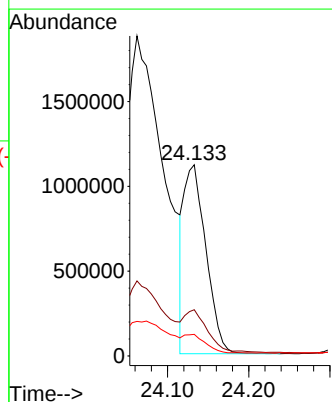
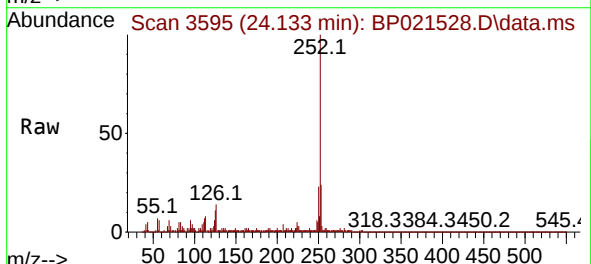
Manual Integrations
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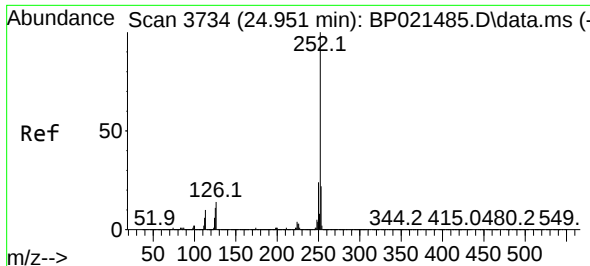
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#89
Benzo(k)fluoranthene
Concen: 17.832 ng
RT: 24.133 min Scan# 3595
Delta R.T. 0.023 min
Lab File: BP021528.D
Acq: 16 Aug 2024 01:07

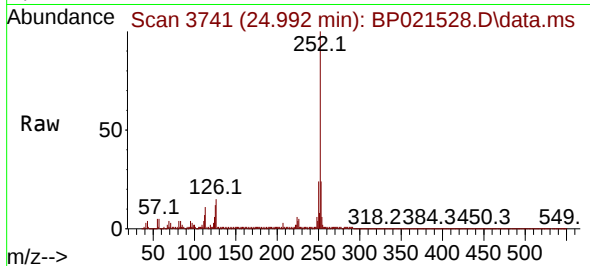
Tgt Ion:252 Resp: 2082933
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 11.3 7.8 11.8





#90
Benzo(a)pyrene
Concen: 43.318 ng
RT: 24.992 min Scan# 31
Delta R.T. 0.041 min
Lab File: BP021528.D
Acq: 16 Aug 2024 01:07

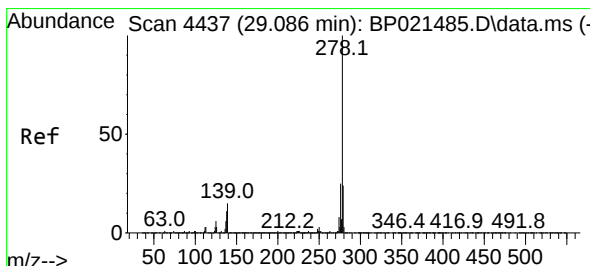
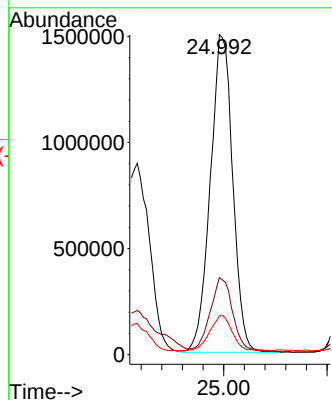
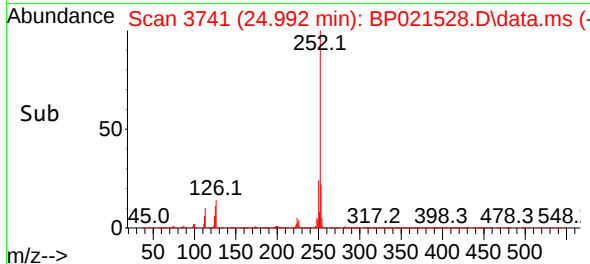
Instrument :
BNA_P
ClientSampleId :
VCPS-B1-081224-0-16



Tgt Ion:252 Resp: 450128
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 12.1 8.7 13.1

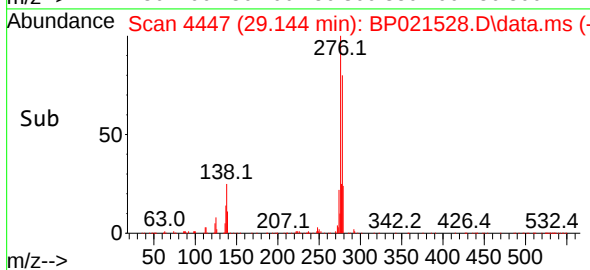
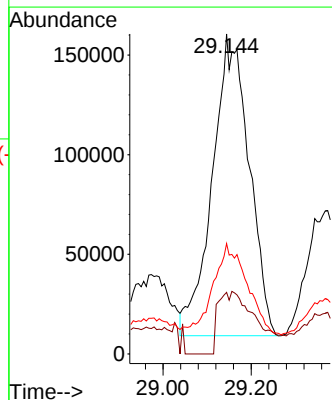
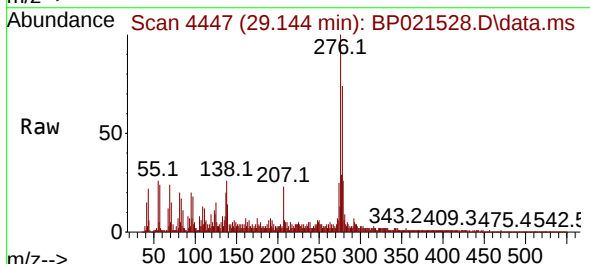
Manual Integrations
APPROVED

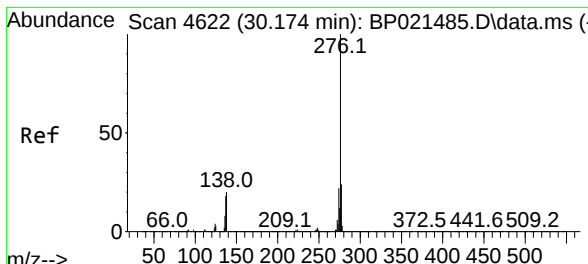
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#91
Dibenzo(a,h)anthracene
Concen: 7.795 ng m
RT: 29.144 min Scan# 4447
Delta R.T. 0.058 min
Lab File: BP021528.D
Acq: 16 Aug 2024 01:07

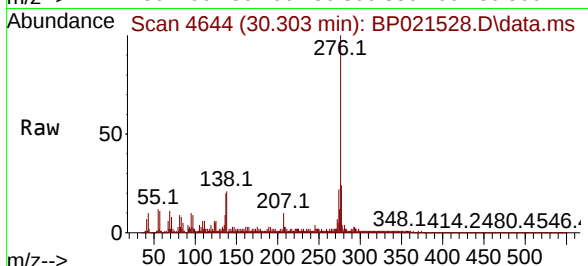
Tgt Ion:278 Resp: 875379
Ion Ratio Lower Upper
278 100
139 19.2 12.2 18.4#
279 34.5 19.1 28.7#





#92
 Benzo(g,h,i)perylene
 Concen: 25.715 ng
 RT: 30.303 min Scan# 4644
 Delta R.T. 0.129 min
 Lab File: BP021528.D
 Acq: 16 Aug 2024 01:07

Instrument :
 BNA_P
 ClientSampleId :
 VCPS-B1-081224-0-16



Tgt Ion: 276 Resp: 2894174

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.0	28.6
138	20.8	16.0	24.0

Manual Integrations
 APPROVED

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

