

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072424\
 Data File : BP021128.D
 Acq On : 24 Jul 2024 15:01
 Operator : MA/JU
 Sample : P3238-01DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4BE6DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/25/2024
 Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 25 00:10:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 24 22:49:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	162803	20.000	ng/u1	0.00
20) Naphthalene-d8	10.428	136	602882	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.287	164	375082	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.104	188	814416	20.000	ng/u1	0.00
79) Chrysene-d12	21.551	240	845671	20.000	ng/u1	0.00
88) Perylene-d12	24.862	264	1111544	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	4094	1.144	ng/uL	0.00
4) Pyridine-d5	3.616	84	10363m	1.001	ng/u1	0.02
7) Phenol-d5	6.875	99	80534	6.068	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.005	67	48691	6.053	ng/u1	0.01
11) 2-Chlorophenol-d4	7.205	132	70147	6.414	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	58861	5.339	ng/u1	0.00
21) Nitrobenzene-d5	8.822	128	31556	6.739	ng/u1	0.02
24) 2-Nitrophenol-d4	9.534	143	35440	6.612	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	10.087	165	63673	6.570	ng/u1	0.01
31) 4-Chloroaniline-d4	10.598	131	31615m	2.462	ng/u1	0.03
46) Dimethylphthalate-d6	13.698	166	193354	7.091	ng/u1	0.00
49) Acenaphthylene-d8	13.981	160	222416	7.265	ng/u1	0.00
54) 4-Nitrophenol-d4	14.610	143	23173m	5.973	ng/u1	0.01
60) Fluorene-d10	15.310	176	173562	7.759	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.475	200	15799m	3.206	ng/u1	0.00
73) Anthracene-d10	17.204	188	268929	7.435	ng/u1	0.00
81) Pyrene-d10	19.592	212	299558	5.730	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.639	264	284997	5.199	ng/u1	-0.01
Target Compounds					Qvalue	
30) Naphthalene	10.475	128	72092	2.273	ng/u1	99
36) 2-Methylnaphthalene	12.093	142	25499	1.171	ng/u1	98
37) 1-Methylnaphthalene	12.316	142	22895	1.023	ng/u1#	94
52) Acenaphthene	14.351	153	105884	4.602	ng/u1	98
56) Dibenzofuran	14.698	168	104063	3.303	ng/u1	99
61) Fluorene	15.363	166	126349	4.914	ng/u1	98
72) Phenanthrene	17.145	178	2373213	56.173	ng/u1	99
74) Anthracene	17.245	178	513414	11.920	ng/u1	100
77) Carbazole	17.539	167	233767	6.639	ng/u1	100
80) Fluoranthene	19.239	202	3278777	51.929	ng/u1	99
82) Pyrene	19.622	202	2267407	35.290	ng/u1	100
85) Benzo(a)anthracene	21.533	228	1498244	25.291	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.451	149	56479	1.466	ng/u1#	97
87) Chrysene	21.598	228	1490913	27.085	ng/u1	97
90) Benzo(b)fluoranthene	23.815	252	1845792m	27.364	ng/u1	
91) Benzo(k)fluoranthene	23.886	252	736654m	10.943	ng/u1	
93) Benzo(a)pyrene	24.709	252	748559	11.743	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	28.615	276	700636	8.530	ng/u1	98
95) Dibenzo(a,h)anthracene	28.674	278	258036	3.794	ng/u1	93
96) Benzo(g,h,i)perylene	29.815	276	106050m	1.585	ng/u1	

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

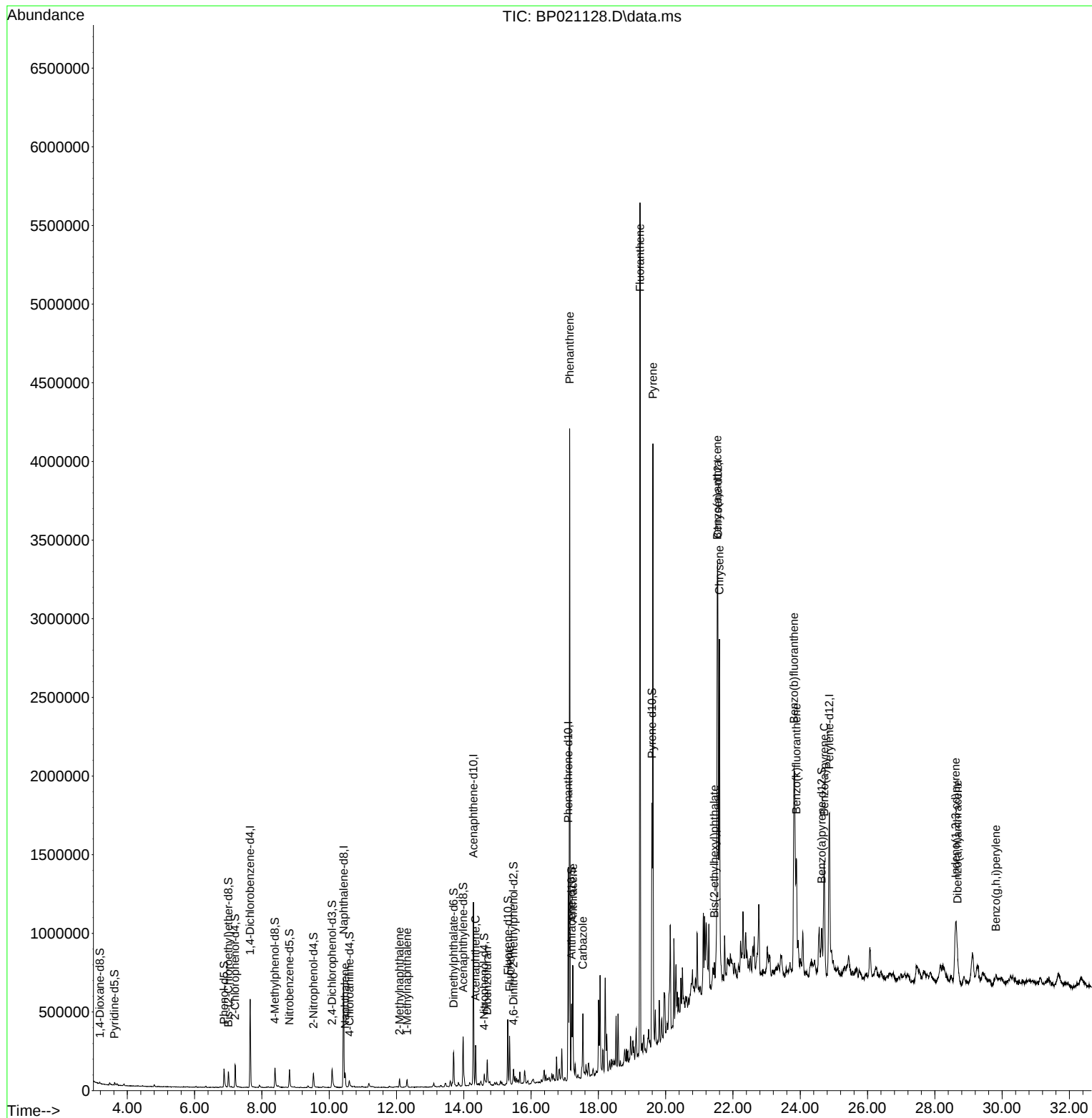
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072424\
Data File : BP021128.D
Acq On : 24 Jul 2024 15:01
Operator : MA/JU
Sample : P3238-01DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

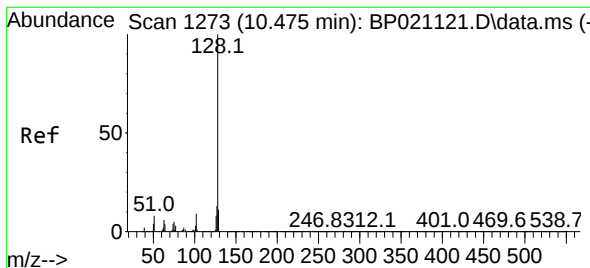
Instrument :
BNA_P
ClientSampleId :
A4BE6DL

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Supervised By :mohammad ahmed 07/25/2024

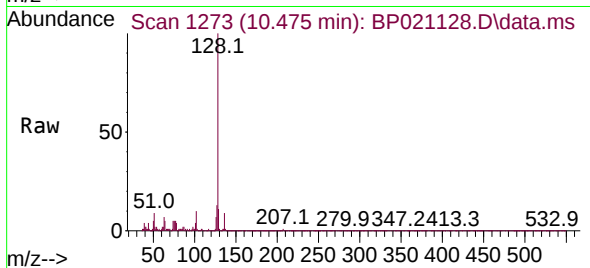
Quant Time: Jul 25 00:10:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 24 22:49:22 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 2.273 ng/ul
RT: 10.475 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BP021128.D
Acq: 24 Jul 2024 15:01

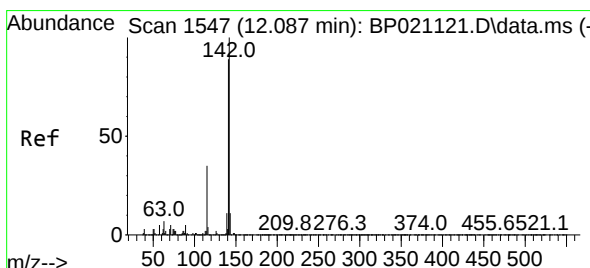
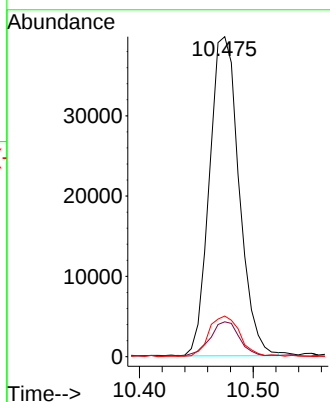
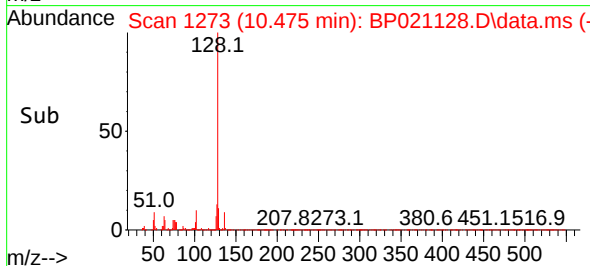
Instrument :
BNA_P
ClientSampleId :
A4BE6DL



Tgt Ion:128 Resp: 72092
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.7 10.8 16.2

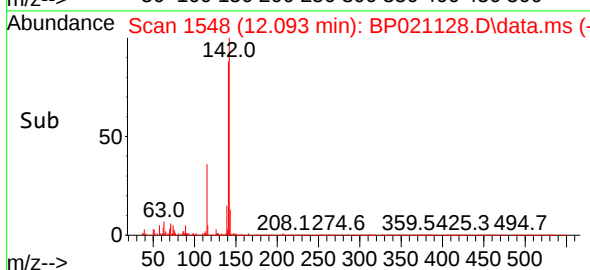
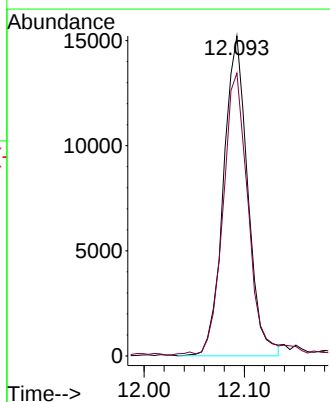
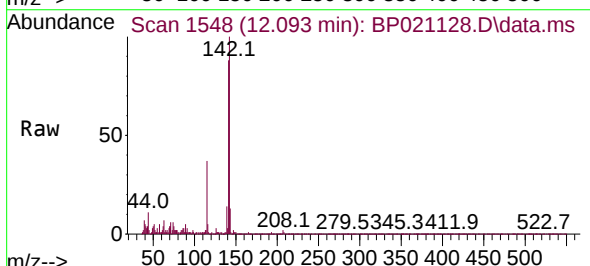
Manual Integrations
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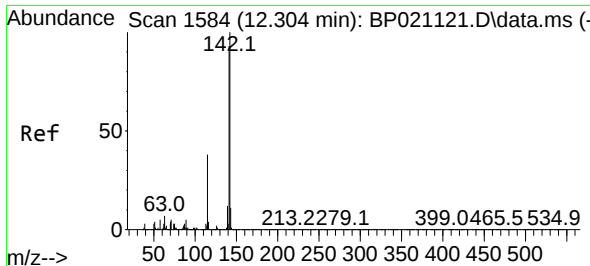
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024



#36
2-Methylnaphthalene
Concen: 1.171 ng/ul
RT: 12.093 min Scan# 1548
Delta R.T. 0.006 min
Lab File: BP021128.D
Acq: 24 Jul 2024 15:01

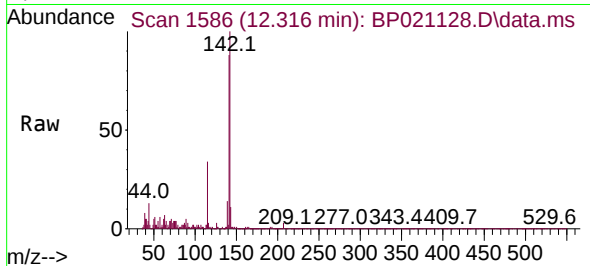
Tgt Ion:142 Resp: 25499
Ion Ratio Lower Upper
142 100
141 88.4 72.6 108.8





#37
1-Methylnaphthalene
Concen: 1.023 ng/ul
RT: 12.316 min Scan# 1586
Delta R.T. 0.012 min
Lab File: BP021128.D
Acq: 24 Jul 2024 15:01

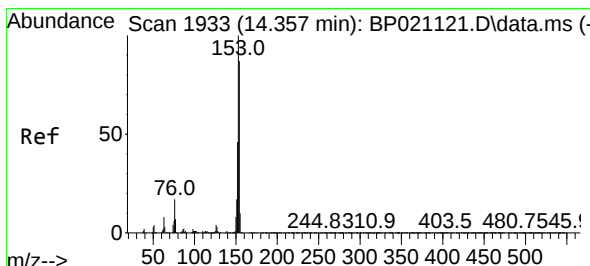
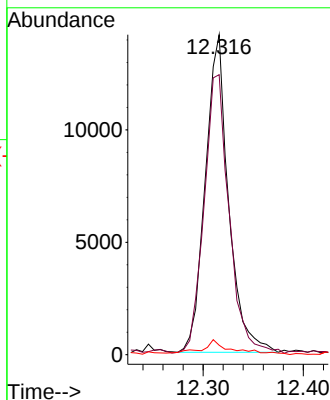
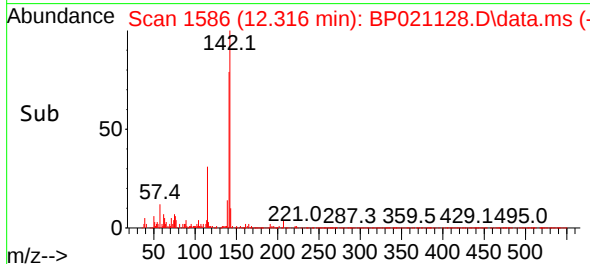
Instrument :
BNA_P
ClientSampleId :
A4BE6DL



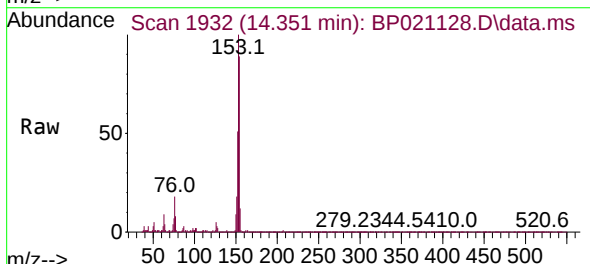
Tgt Ion:142 Resp: 2289
Ion Ratio Lower Upper
142 100
141 87.5 75.0 112.6
116 2.9 3.2 4.8

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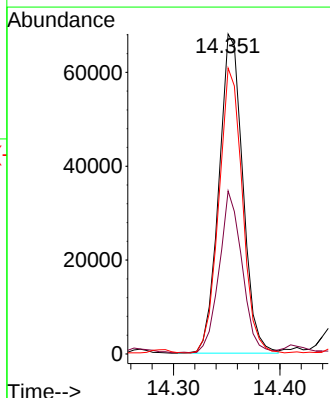
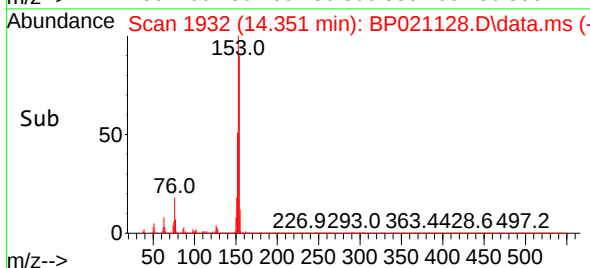
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024

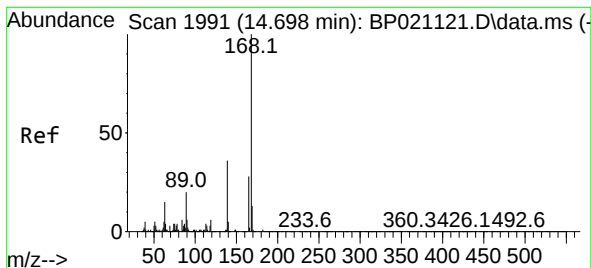


#52
Acenaphthene
Concen: 4.602 ng/ul
RT: 14.351 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BP021128.D
Acq: 24 Jul 2024 15:01



Tgt Ion:153 Resp: 105884
Ion Ratio Lower Upper
153 100
152 50.9 37.8 56.6
154 89.4 71.8 107.6





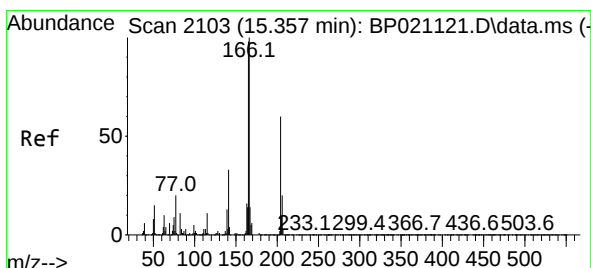
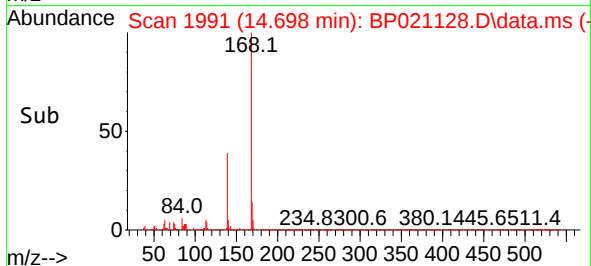
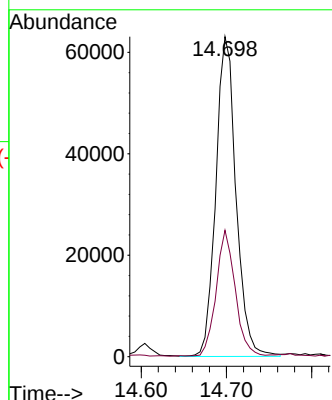
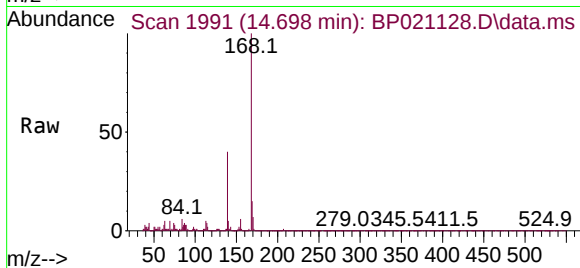
#56
Dibenzenofuran
Concen: 3.303 ng/ul
RT: 14.698 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BP021128.D
Acq: 24 Jul 2024 15:01

Instrument :
BNA_P
ClientSampleId :
A4BE6DL

Tgt Ion:168 Resp: 104063
Ion Ratio Lower Upper
168 100
139 39.5 31.1 46.7

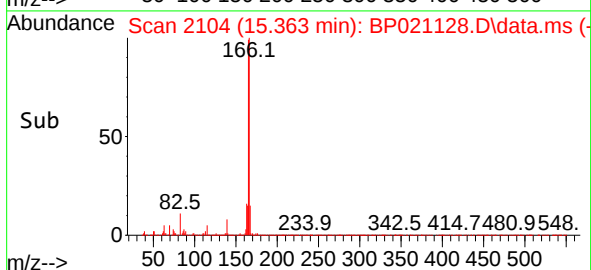
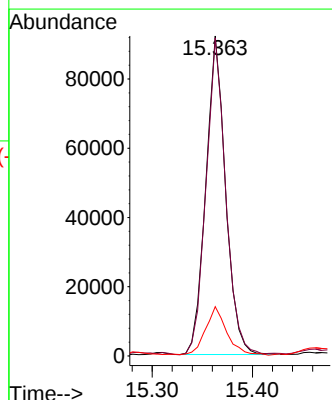
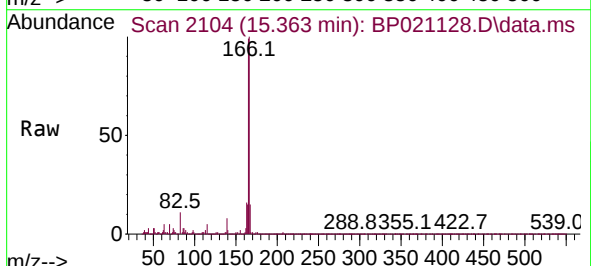
Manual Integrations
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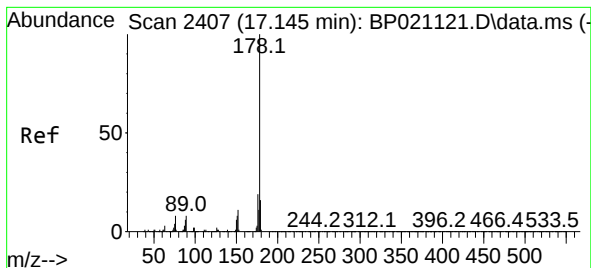
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024



#61
Fluorene
Concen: 4.914 ng/ul
RT: 15.363 min Scan# 2104
Delta R.T. 0.006 min
Lab File: BP021128.D
Acq: 24 Jul 2024 15:01

Tgt Ion:166 Resp: 126349
Ion Ratio Lower Upper
166 100
165 99.4 78.1 117.1
167 15.4 10.9 16.3





#72

Phenanthrene

Concen: 56.173 ng/ul

RT: 17.145 min Scan# 2407

Delta R.T. -0.000 min

Lab File: BP021128.D

Acq: 24 Jul 2024 15:01

Instrument :

BNA_P

ClientSampleId :

A4BE6DL

Tgt Ion:178 Resp: 237321

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

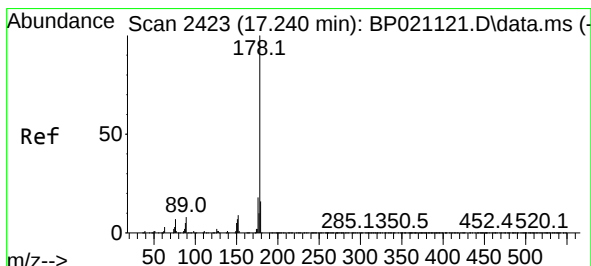
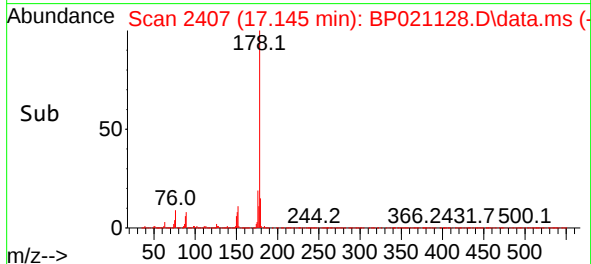
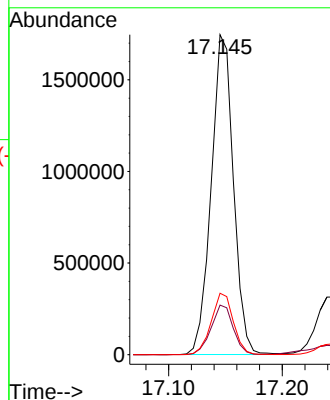
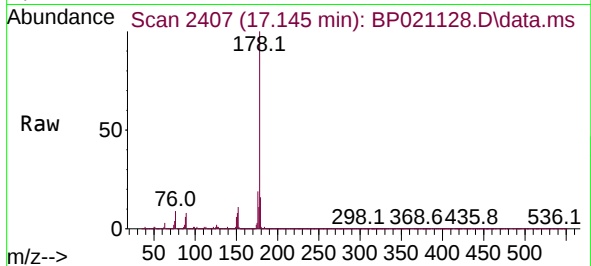
176 19.2 15.0 22.4

Manual Integrations

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Supervised By :mohammad ahmed 07/25/2024



#74

Anthracene

Concen: 11.920 ng/ul

RT: 17.245 min Scan# 2424

Delta R.T. 0.006 min

Lab File: BP021128.D

Acq: 24 Jul 2024 15:01

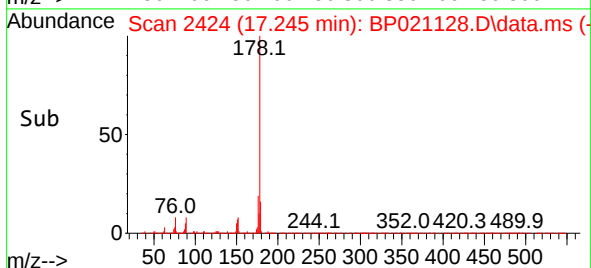
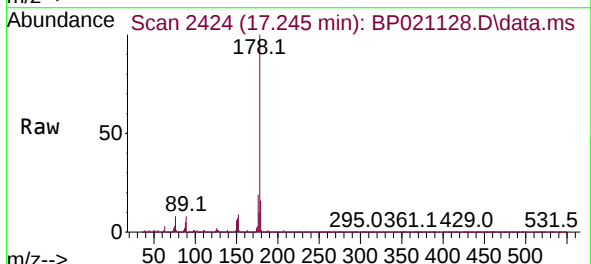
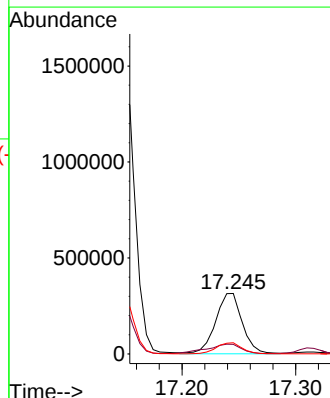
Tgt Ion:178 Resp: 513414

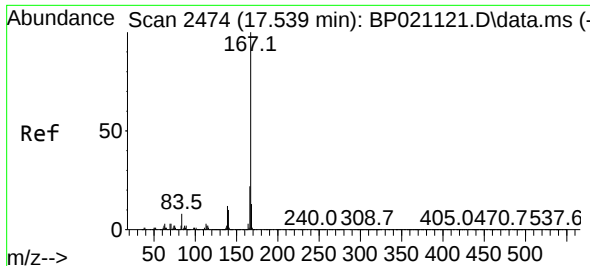
Ion Ratio Lower Upper

178 100

179 15.8 12.5 18.7

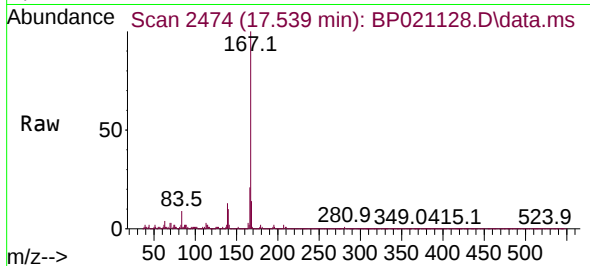
176 18.6 14.8 22.2





#77
 Carbazole
 Concen: 6.639 ng/ul
 RT: 17.539 min Scan# 2474
 Delta R.T. -0.000 min
 Lab File: BP021128.D
 Acq: 24 Jul 2024 15:01

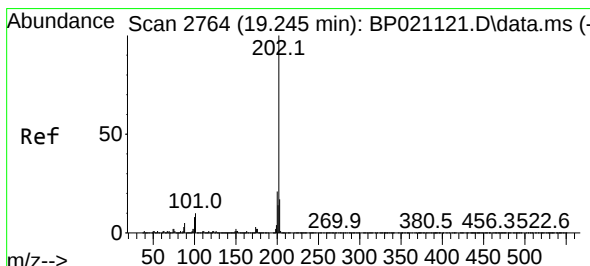
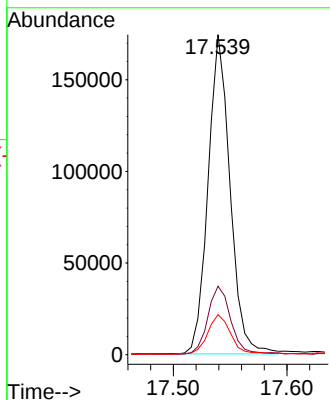
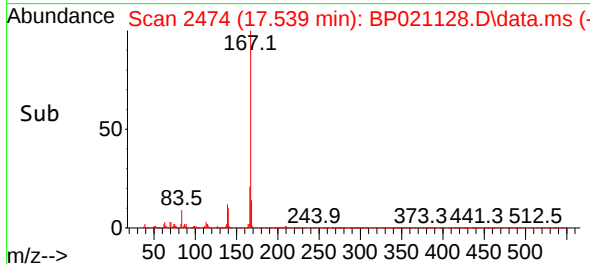
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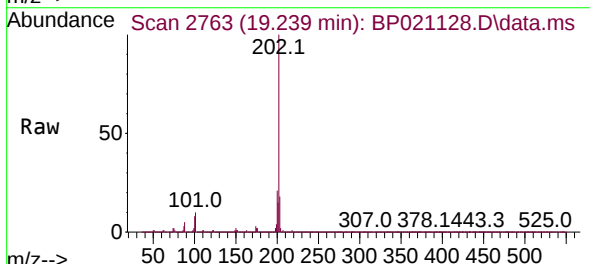
Tgt Ion:167 Resp: 23376
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.3 25.9
 139 12.5 10.2 15.2

Manual Integrations
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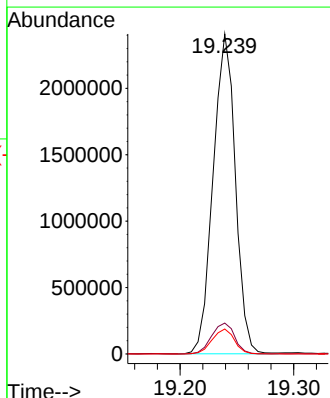
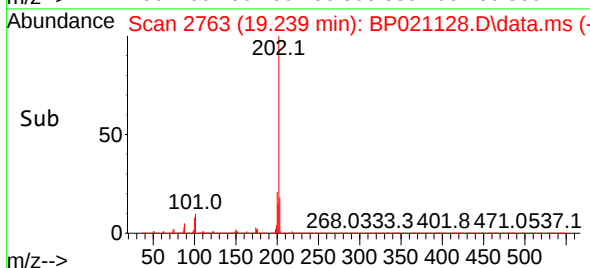
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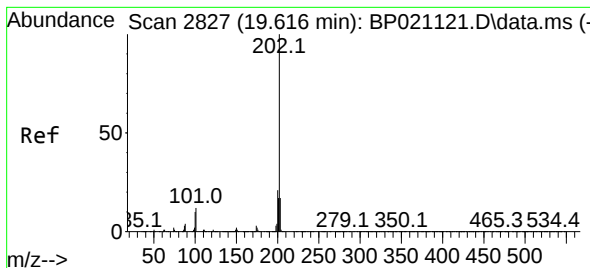


#80
 Fluoranthene
 Concen: 51.929 ng/ul
 RT: 19.239 min Scan# 2763
 Delta R.T. -0.006 min
 Lab File: BP021128.D
 Acq: 24 Jul 2024 15:01



Tgt Ion:202 Resp: 3278777
 Ion Ratio Lower Upper
 202 100
 101 9.7 8.0 12.0
 100 7.8 6.1 9.1





#82

Pyrene

Concen: 35.290 ng/ul

RT: 19.622 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP021128.D

Acq: 24 Jul 2024 15:01

Instrument :

BNA_P

ClientSampleId :

A4BE6DL

Tgt Ion:202 Resp: 226740

Ion Ratio Lower Upper

202 100

101 11.9 9.4 14.2

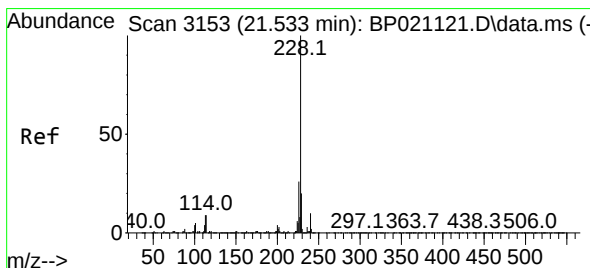
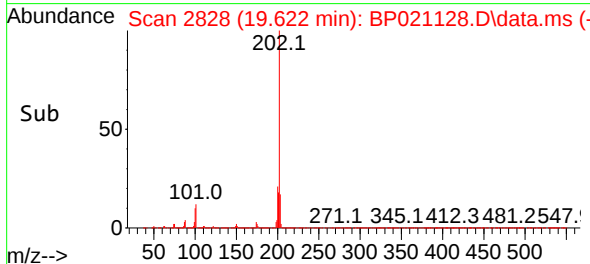
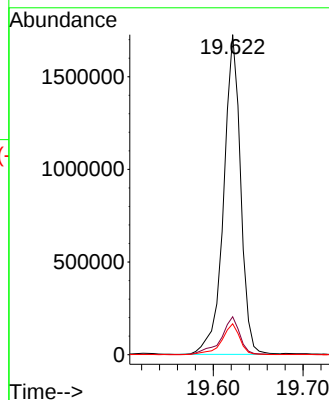
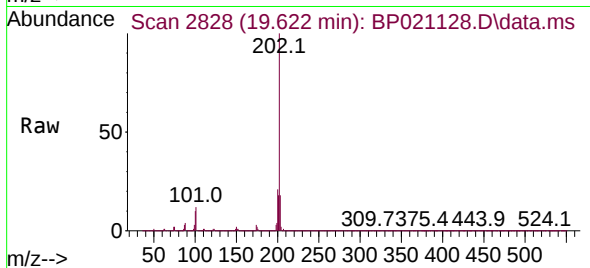
100 9.7 7.8 11.6

Manual Integrations

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Supervised By :mohammad ahmed 07/25/2024



#85

Benzo(a)anthracene

Concen: 25.291 ng/ul

RT: 21.533 min Scan# 3153

Delta R.T. -0.000 min

Lab File: BP021128.D

Acq: 24 Jul 2024 15:01

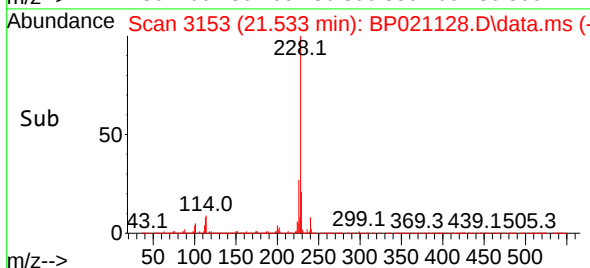
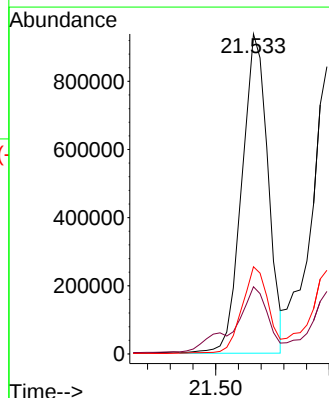
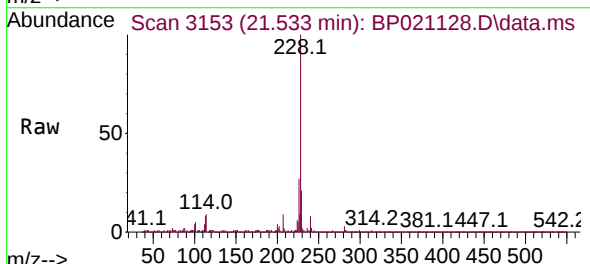
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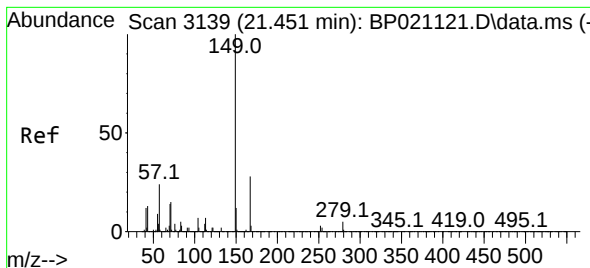
Ion Ratio Lower Upper

228 100

229 21.0 15.5 23.3

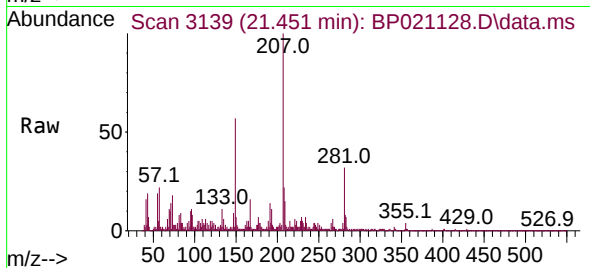
226 27.2 21.4 32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 1.466 ng/ul
RT: 21.451 min Scan# 3139
Delta R.T. -0.000 min
Lab File: BP021128.D
Acq: 24 Jul 2024 15:01

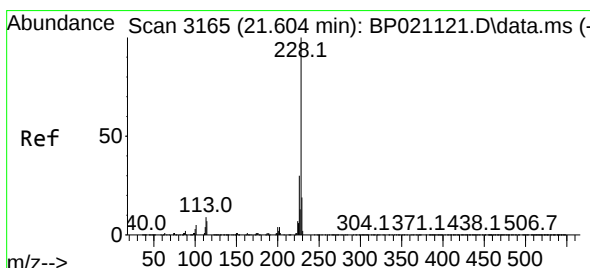
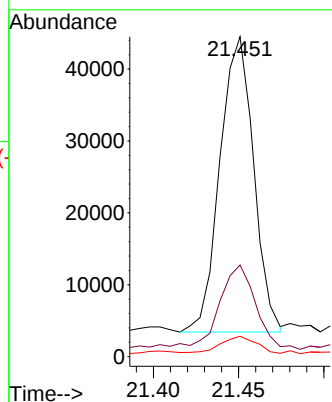
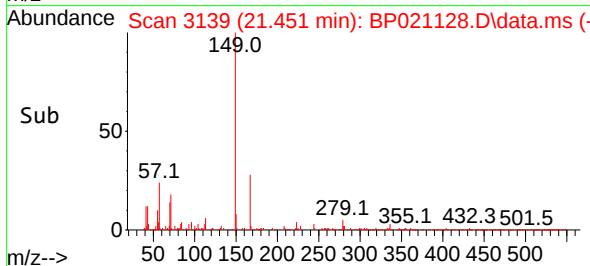
Instrument :
BNA_P
ClientSampleId :
A4BE6DL



Tgt Ion:149 Resp: 56479
Ion Ratio Lower Upper
149 100
167 28.7 22.1 33.1
279 6.4 3.7 5.5

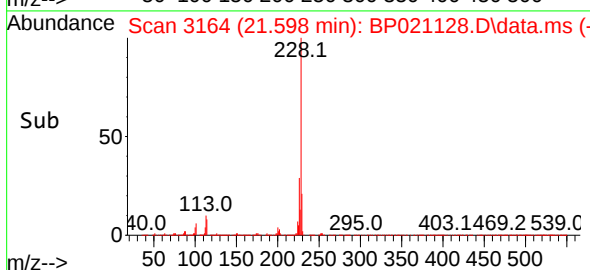
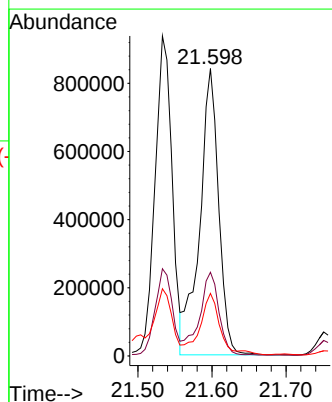
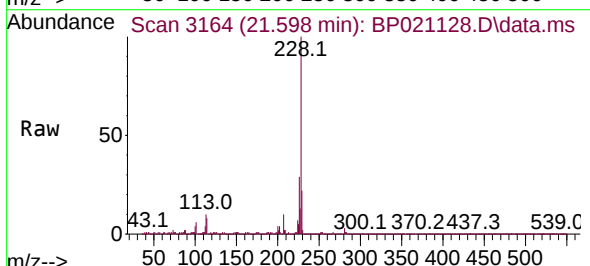
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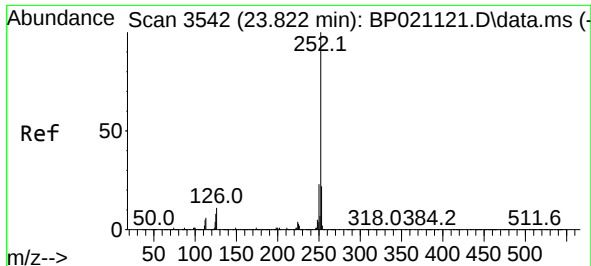
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024



#87
Chrysene
Concen: 27.085 ng/ul
RT: 21.598 min Scan# 3164
Delta R.T. -0.006 min
Lab File: BP021128.D
Acq: 24 Jul 2024 15:01

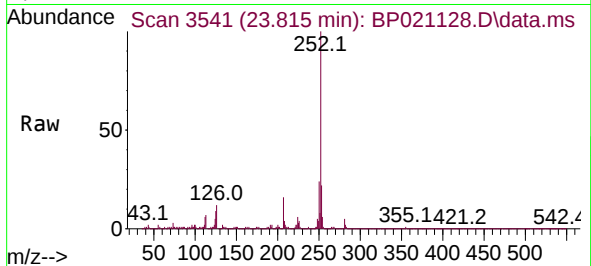
Tgt Ion:228 Resp: 1490913
Ion Ratio Lower Upper
228 100
226 29.1 23.6 35.4
229 21.8 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 27.364 ng/ul m
RT: 23.815 min Scan# 3541
Delta R.T. -0.006 min
Lab File: BP021128.D
Acq: 24 Jul 2024 15:01

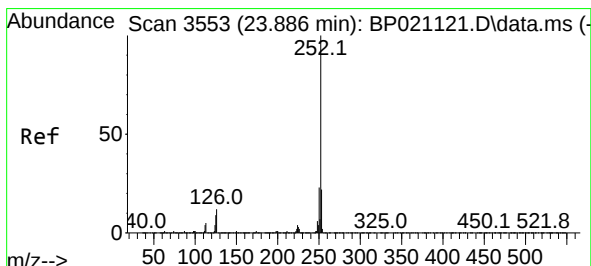
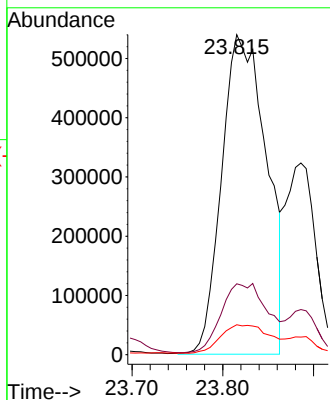
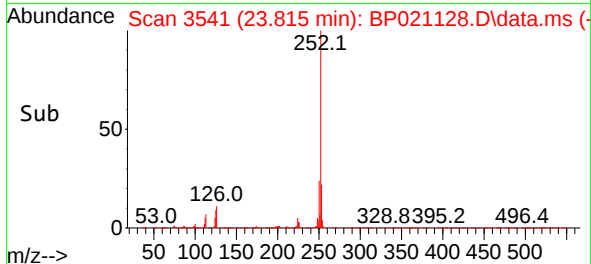
Instrument :
BNA_P
ClientSampleId :
A4BE6DL



Tgt Ion:252 Resp: 1845792
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 9.3 7.0 10.4

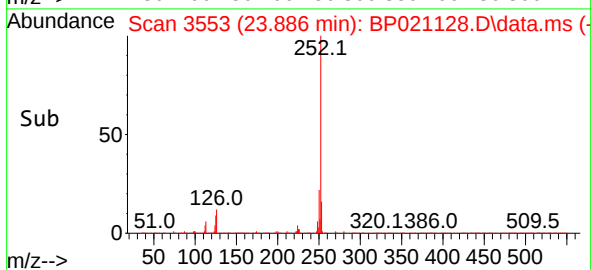
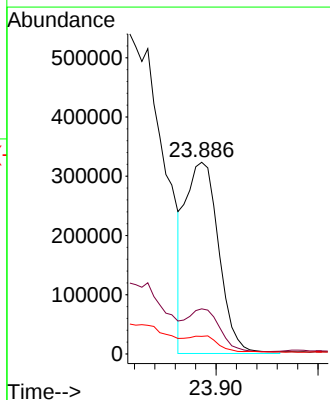
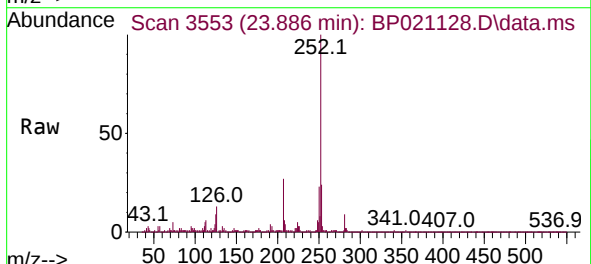
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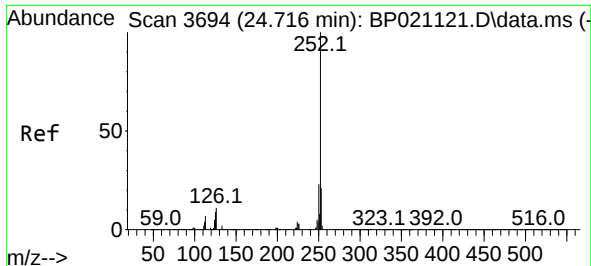
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024



#91
Benzo(k)fluoranthene
Concen: 10.943 ng/ul m
RT: 23.886 min Scan# 3553
Delta R.T. -0.000 min
Lab File: BP021128.D
Acq: 24 Jul 2024 15:01

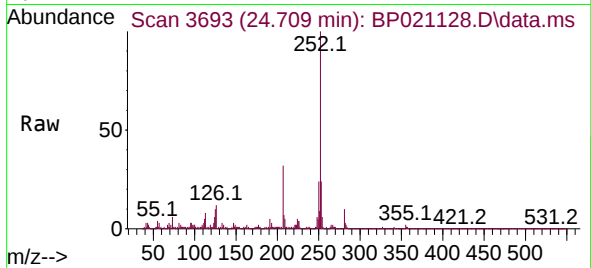
Tgt Ion:252 Resp: 736654
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.2
125 9.2 7.4 11.0





#93
Benzo(a)pyrene
Concen: 11.743 ng/ul
RT: 24.709 min Scan# 30
Delta R.T. -0.006 min
Lab File: BP021128.D
Acq: 24 Jul 2024 15:01

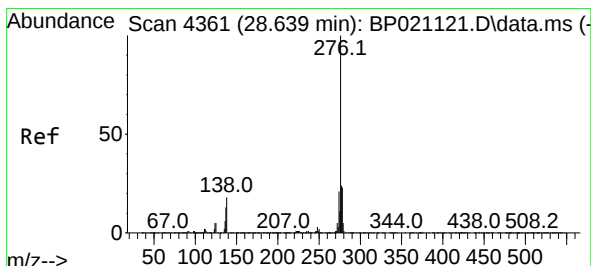
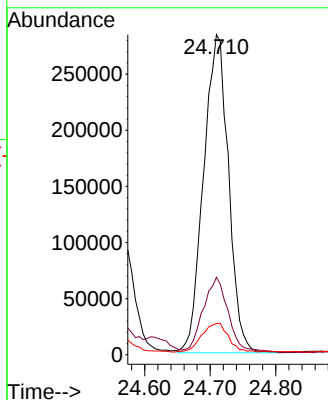
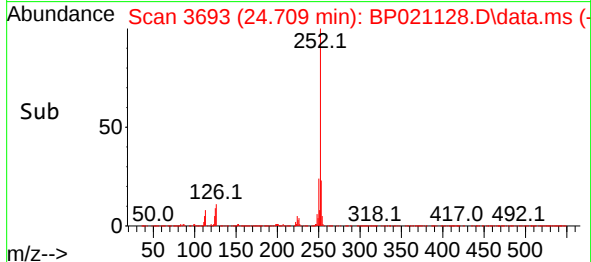
Instrument :
BNA_P
ClientSampleId :
A4BE6DL



Tgt Ion:252 Resp: 748559
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 9.7 7.7 11.5

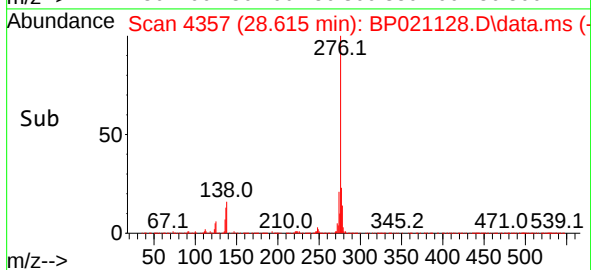
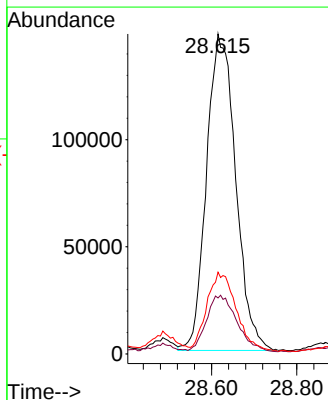
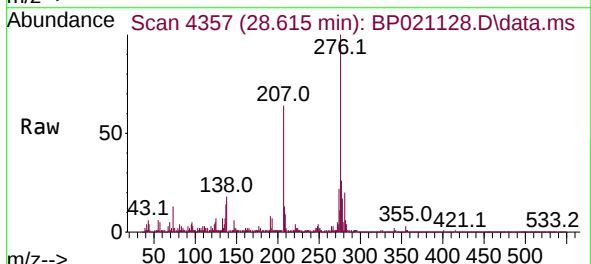
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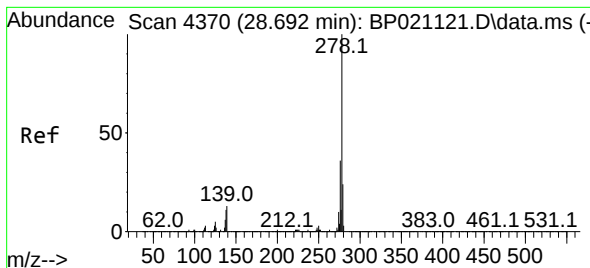
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024



#94
Indeno(1,2,3-cd)pyrene
Concen: 8.530 ng/ul
RT: 28.615 min Scan# 4357
Delta R.T. -0.024 min
Lab File: BP021128.D
Acq: 24 Jul 2024 15:01

Tgt Ion:276 Resp: 700636
Ion Ratio Lower Upper
276 100
138 17.5 14.3 21.5
277 25.5 19.2 28.8





#95

Dibenzo(a,h)anthracene

Concen: 3.794 ng/ul

RT: 28.674 min Scan# 41

Delta R.T. -0.018 min

Lab File: BP021128.D

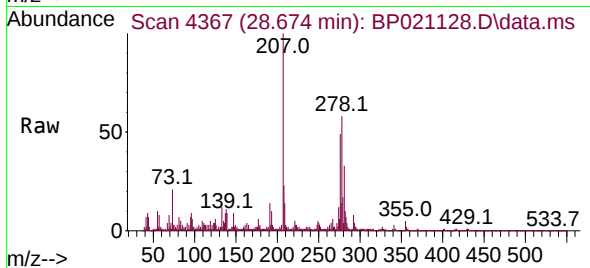
Acq: 24 Jul 2024 15:01

Instrument :

BNA_P

ClientSampleId :

A4BE6DL



Tgt Ion:278 Resp: 25803

Ion Ratio Lower Upper

278 100

139 15.0 10.9 16.3

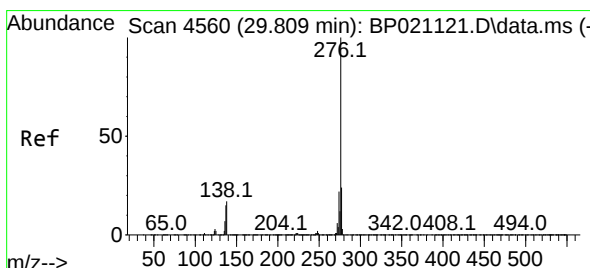
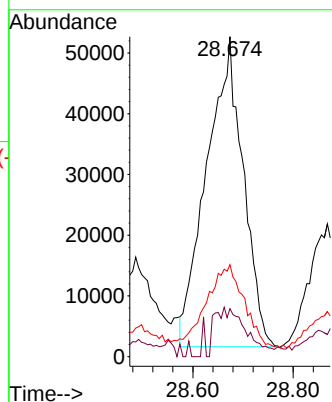
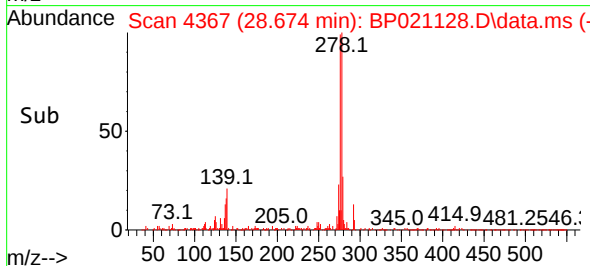
279 28.7 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/25/2024

Supervised By :mohammad ahmed 07/25/2024



#96

Benzo(g,h,i)perylene

Concen: 1.585 ng/ul m

RT: 29.815 min Scan# 4561

Delta R.T. 0.006 min

Lab File: BP021128.D

Acq: 24 Jul 2024 15:01

Tgt Ion:276 Resp: 106050

Ion Ratio Lower Upper

276 100

138 23.1 15.3 22.9#

277 29.5 18.2 27.2#

