

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
 Data File : BP022354.D
 Acq On : 14 Oct 2024 13:54
 Operator : RC/JU
 Sample : P4264-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCYN7

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :mohammad ahmed 10/22/2024

Quant Time: Oct 14 14:47:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 14 11:01:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.699	152	145013	20.000	ng/u1	0.00
20) Naphthalene-d8	10.469	136	351028m	20.000	ng/u1	0.02
38) Acenaphthene-d10	14.322	164	465201	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.145	188	895926	20.000	ng/u1	0.04
79) Chrysene-d12	21.586	240	981458	20.000	ng/u1	0.04
88) Perylene-d12	24.886	264	1216817	20.000	ng/u1	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.223	96	6567	1.760	ng/uL	0.00
4) Pyridine-d5	3.652	84	14631	1.428	ng/u1	0.02
7) Phenol-d5	6.887	99	178120	14.592	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.040	67	108966	15.188	ng/u1	0.00
11) 2-Chlorophenol-d4	7.240	132	137495	15.874	ng/u1	0.00
15) 4-Methylphenol-d8	8.405	113	122833	12.609	ng/u1	0.00
21) Nitrobenzene-d5	8.846	128	78804	29.197	ng/u1	0.01
24) 2-Nitrophenol-d4	9.557	143	94655	30.291	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.105	165	181054	27.261	ng/u1	0.02
31) 4-Chloroaniline-d4	10.599	131	136088	17.341	ng/u1	0.01
46) Dimethylphthalate-d6	13.722	166	575520	15.571	ng/u1	0.01
49) Acenaphthylene-d8	14.004	160	627815	15.992	ng/u1	0.00
54) 4-Nitrophenol-d4	14.557	143	74951	12.087	ng/u1	0.02
60) Fluorene-d10	15.334	176	525563	16.394	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.516	200	44733m	7.592	ng/u1	0.07
73) Anthracene-d10	17.269	188	751739	17.836	ng/u1	0.06
81) Pyrene-d10	19.628	212	920577	17.737	ng/u1	0.03
92) Benzo(a)pyrene-d12	24.645	264	956301	14.716	ng/u1	0.01
Target Compounds	Qvalue					
30) Naphthalene	10.534	128	37833147m	2023.513	ng/u1	
36) 2-Methylnaphthalene	12.134	142	7871798	573.565	ng/u1	97
37) 1-Methylnaphthalene	12.363	142	8210502	586.125	ng/u1	100
50) Acenaphthylene	14.034	152	509942	12.516	ng/u1#	82
52) Acenaphthene	14.404	153	9774486	339.269	ng/u1	98
61) Fluorene	15.404	166	10612926	300.974	ng/u1	99
71) Pentachlorophenol	16.798	266	14802	1.731	ng/u1	91
72) Phenanthrene	17.186	178	46879313m	978.019	ng/u1	
74) Anthracene	17.298	178	6892854	144.099	ng/u1	98
80) Fluoranthene	19.280	202	32084567m	537.730	ng/u1	
82) Pyrene	19.663	202	25764947m	402.887	ng/u1	
85) Benzo(a)anthracene	21.569	228	13224037	192.199	ng/u1	96
87) Chrysene	21.645	228	10020688	157.071	ng/u1	96
90) Benzo(b)fluoranthene	23.863	252	8209620	107.183	ng/u1	99
91) Benzo(k)fluoranthene	23.910	252	2530931	33.750	ng/u1	98
93) Benzo(a)pyrene	24.727	252	2490959	35.336	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	28.615	276	1389467m	14.770	ng/u1	
95) Dibenzo(a,h)anthracene	28.692	278	528407m	6.937	ng/u1	
96) Benzo(g,h,i)perylene	29.792	276	169359m	2.315	ng/u1	

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

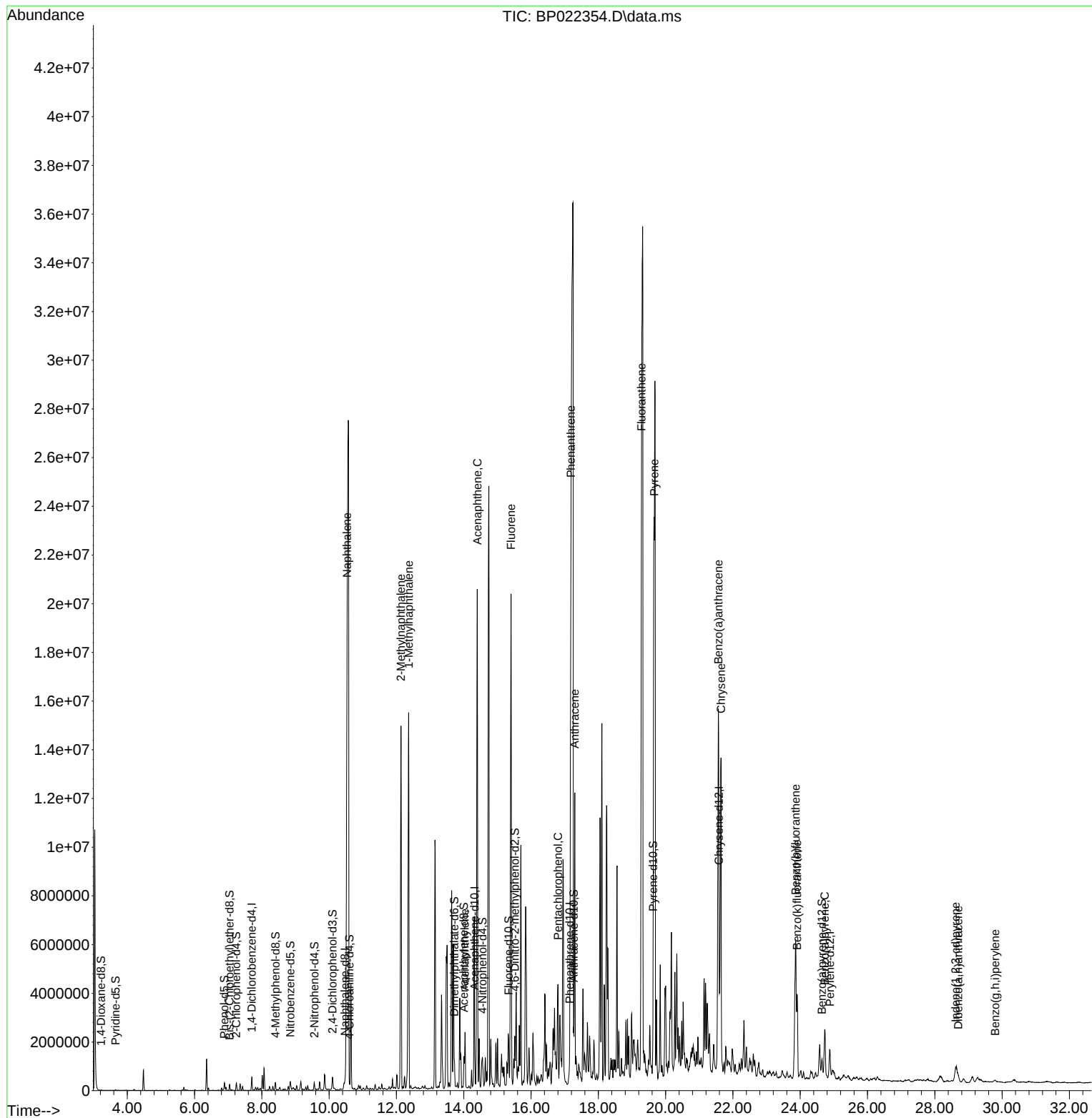
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
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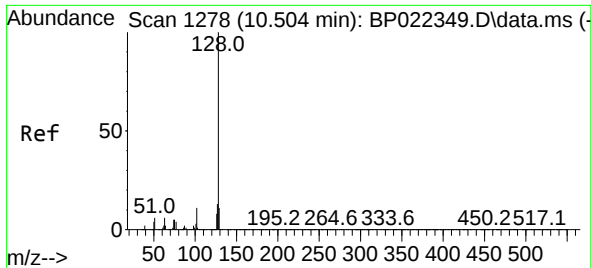
Instrument :
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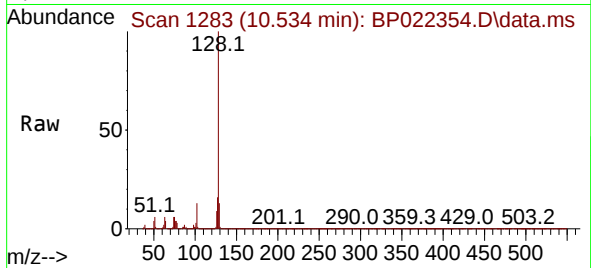
Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :mohammad ahmed 10/22/2024





#30
Naphthalene
Concen: 2023.513 ng/ul m
RT: 10.534 min Scan# 1283
Delta R.T. 0.030 min
Lab File: BP022354.D
Acq: 14 Oct 2024 13:54

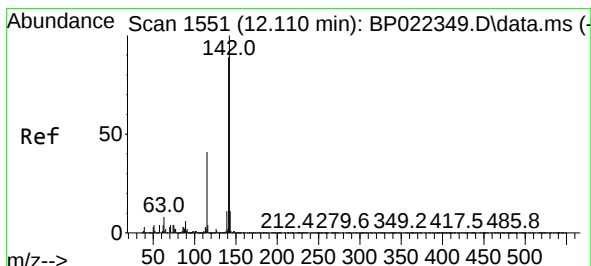
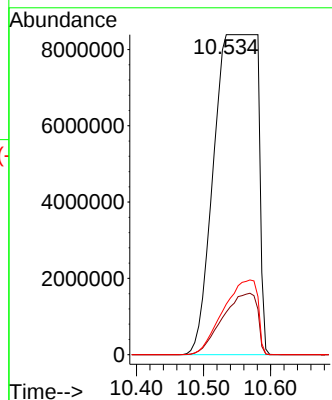
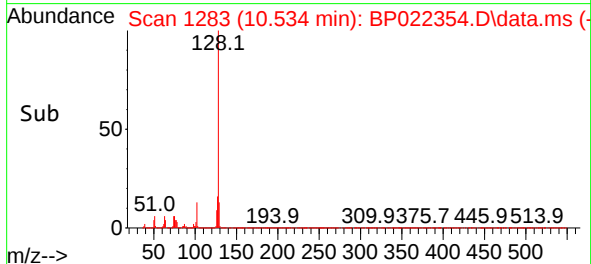
Instrument :
BNA_P
ClientSampleId :
DCYN7



Tgt Ion:128 Resp:3783314
Ion Ratio Lower Upper
128 100
129 13.3 8.6 12.8
127 15.8 9.9 14.9

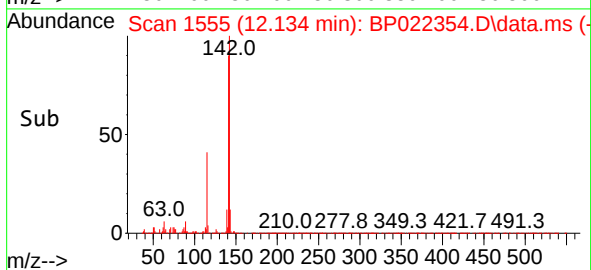
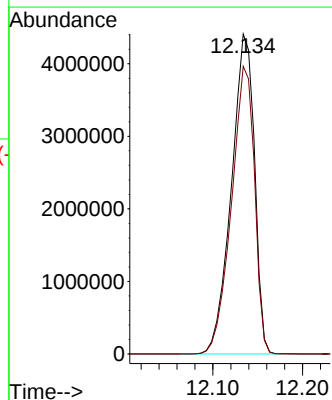
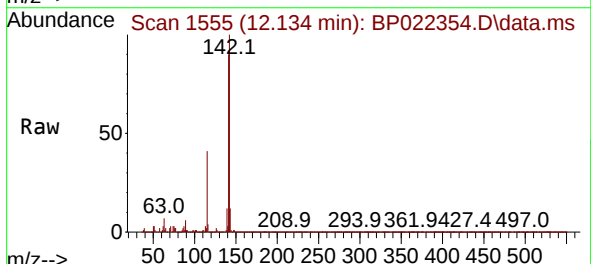
Manual Integrations
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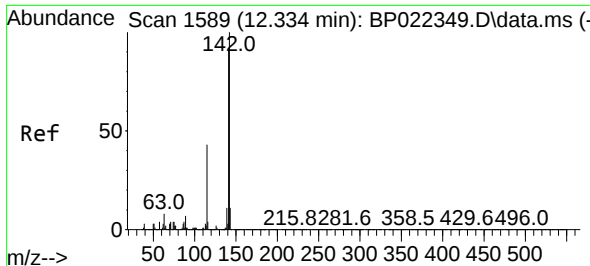
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/22/2024



#36
2-Methylnaphthalene
Concen: 573.565 ng/ul
RT: 12.134 min Scan# 1555
Delta R.T. 0.024 min
Lab File: BP022354.D
Acq: 14 Oct 2024 13:54

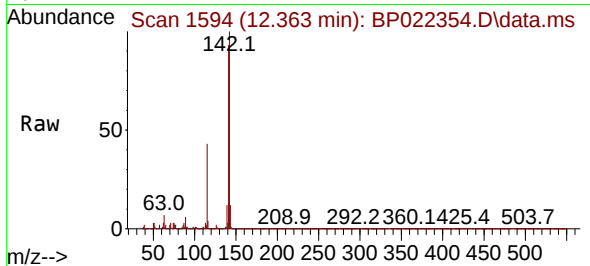
Tgt Ion:142 Resp: 7871798
Ion Ratio Lower Upper
142 100
141 89.9 69.8 104.6





#37
1-Methylnaphthalene
Concen: 586.125 ng/ul
RT: 12.363 min Scan# 1594
Delta R.T. 0.030 min
Lab File: BP022354.D
Acq: 14 Oct 2024 13:54

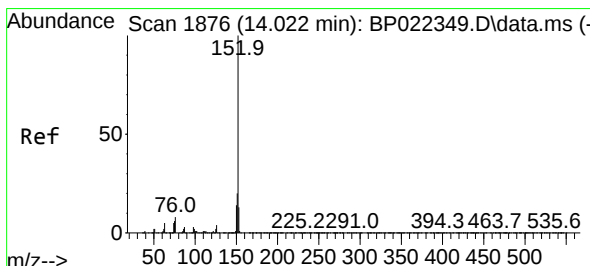
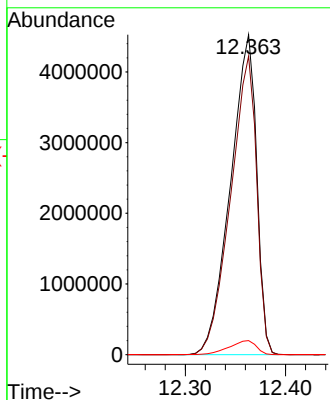
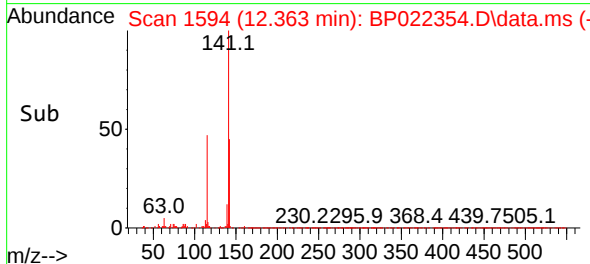
Instrument :
BNA_P
ClientSampleId :
DCYN7



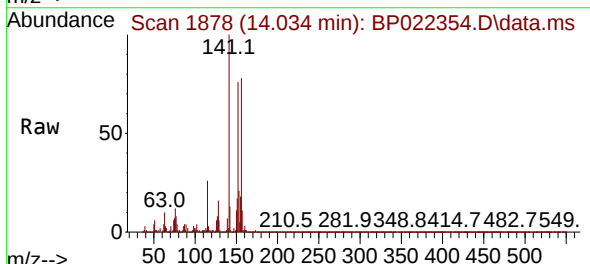
Tgt Ion:142 Resp: 821050
Ion Ratio Lower Upper
142 100
141 93.3 74.8 112.2
116 4.4 4.1 6.1

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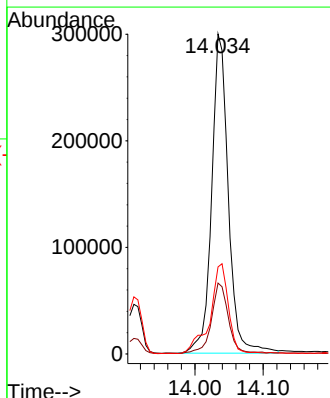
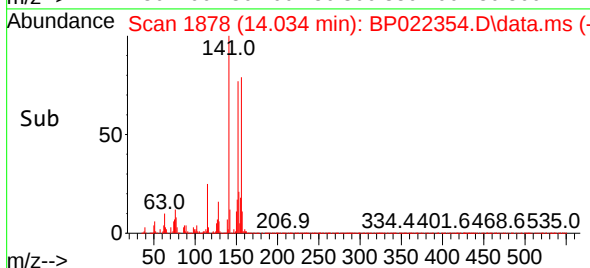
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/22/2024

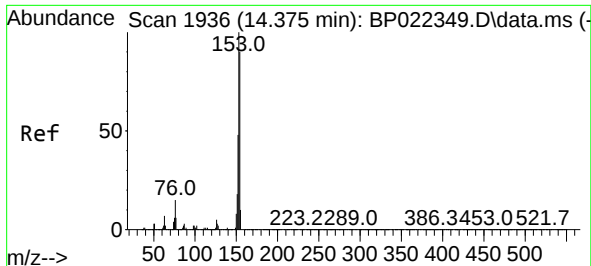


#50
Acenaphthylene
Concen: 12.516 ng/ul
RT: 14.034 min Scan# 1878
Delta R.T. 0.012 min
Lab File: BP022354.D
Acq: 14 Oct 2024 13:54



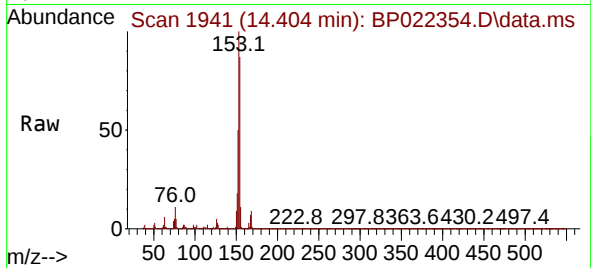
Tgt Ion:152 Resp: 509942
Ion Ratio Lower Upper
152 100
151 22.2 15.8 23.6
153 27.2 10.3 15.5#





#52
Acenaphthene
Concen: 339.269 ng/ul
RT: 14.404 min Scan# 1936
Delta R.T. 0.030 min
Lab File: BP022354.D
Acq: 14 Oct 2024 13:54

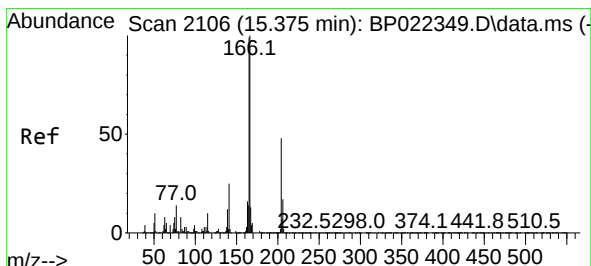
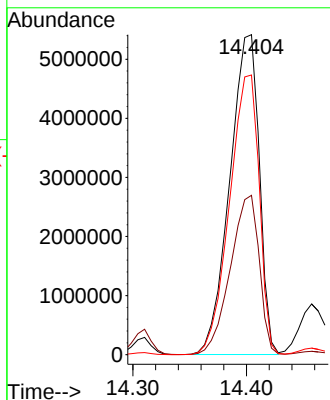
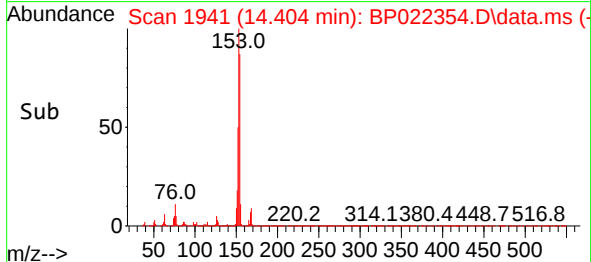
Instrument :
BNA_P
ClientSampleId :
DCYN7



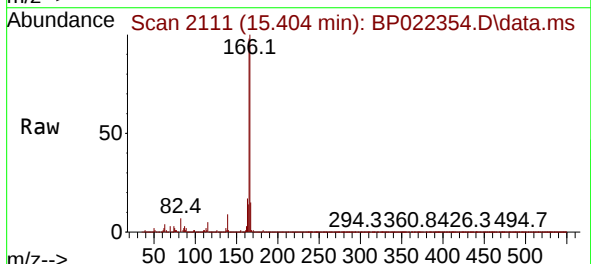
Tgt Ion:153 Resp: 9774480
Ion Ratio Lower Upper
153 100
152 49.8 37.8 56.6
154 87.4 69.5 104.3

Manual Integrations
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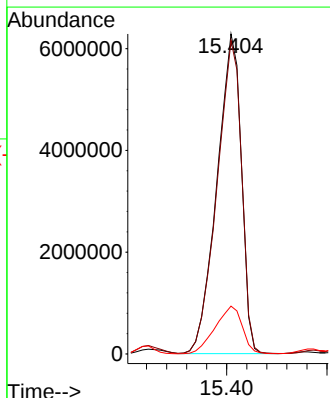
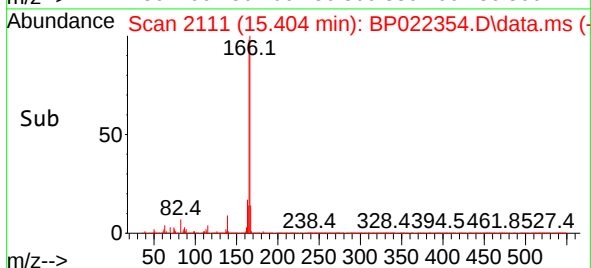
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/22/2024

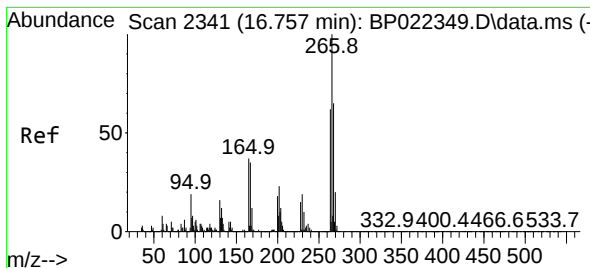


#61
Fluorene
Concen: 300.974 ng/ul
RT: 15.404 min Scan# 2111
Delta R.T. 0.030 min
Lab File: BP022354.D
Acq: 14 Oct 2024 13:54



Tgt Ion:166 Resp:10612926
Ion Ratio Lower Upper
166 100
165 98.0 77.8 116.6
167 14.9 11.1 16.7





#71

Pentachlorophenol

Concen: 1.731 ng/ul

RT: 16.798 min Scan# 2140

Delta R.T. 0.041 min

Lab File: BP022354.D

Acq: 14 Oct 2024 13:54

Instrument :

BNA_P

ClientSampleId :

DCYN7

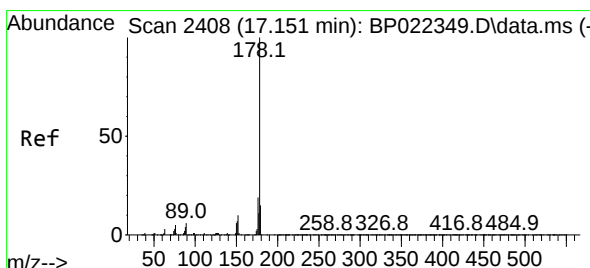
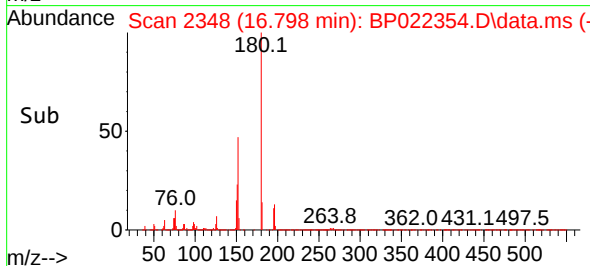
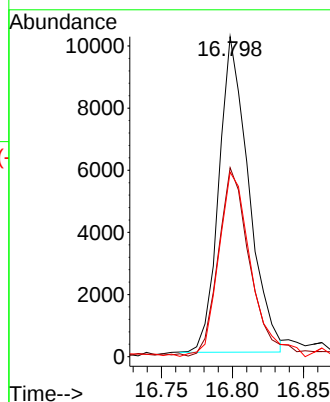
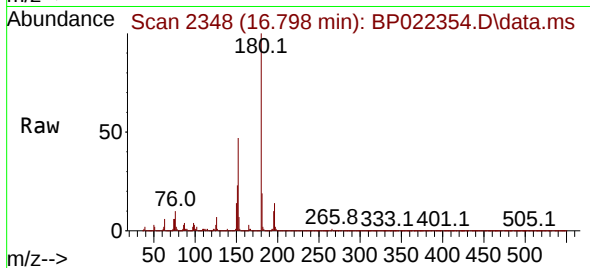
Tgt Ion:	266	Resp:	1480
Ion Ratio	Lower	Upper	
266	100		
264	59.1	52.4	78.6
268	57.7	53.0	79.4

Manual Integrations

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Reviewed By :Yogesh Patel 10/15/2024

Supervised By :mohammad ahmed 10/22/2024



#72

Phenanthrene

Concen: 978.019 ng/ul m

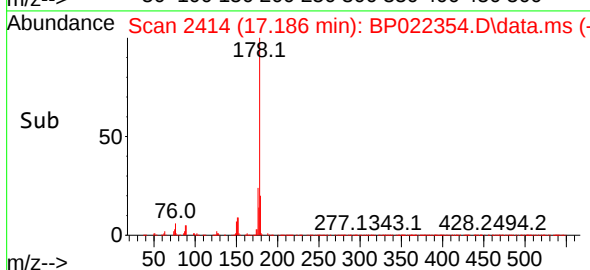
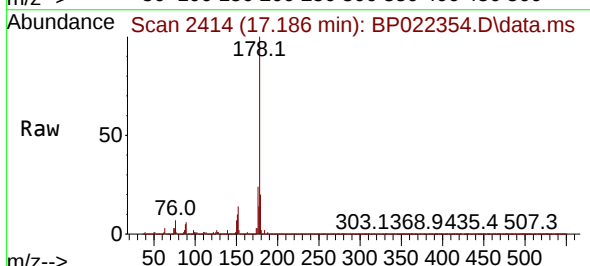
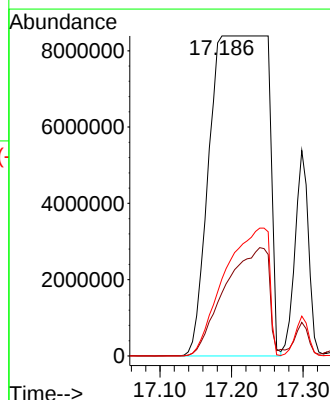
RT: 17.186 min Scan# 2414

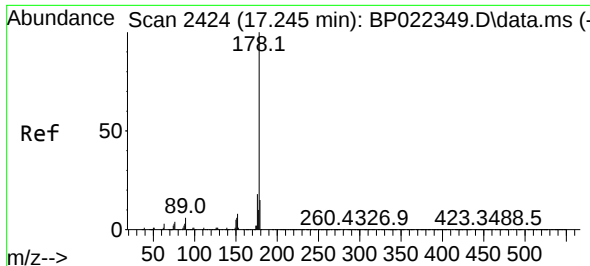
Delta R.T. 0.035 min

Lab File: BP022354.D

Acq: 14 Oct 2024 13:54

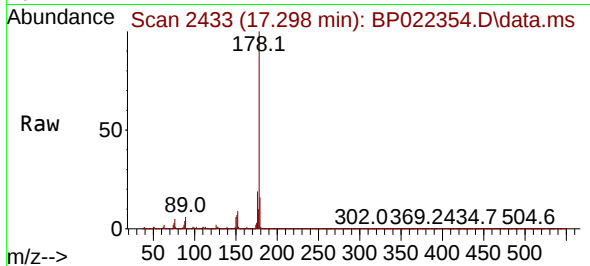
Tgt Ion:	178	Resp:	46879313
Ion Ratio	Lower	Upper	
178	100		
179	19.8	12.2	18.4#
176	24.1	15.7	23.5#





#74
 Anthracene
 Concen: 144.099 ng/ul
 RT: 17.298 min Scan# 2424
 Delta R.T. 0.053 min
 Lab File: BP022354.D
 Acq: 14 Oct 2024 13:54

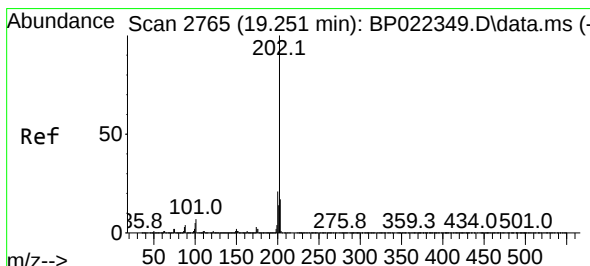
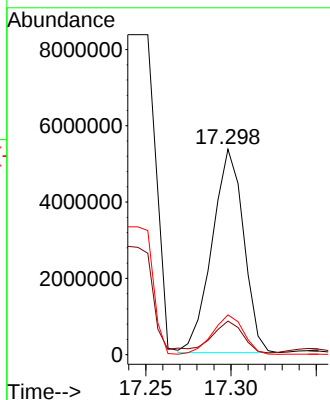
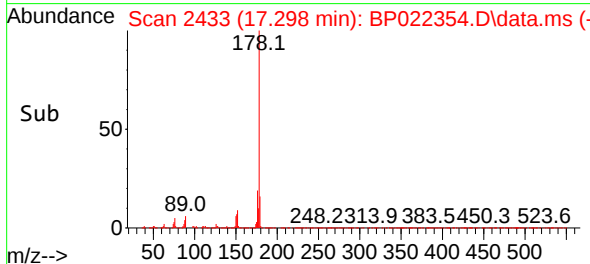
Instrument :
 BNA_P
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Tgt Ion:178 Resp: 6892854
 Ion Ratio Lower Upper
 178 100
 179 16.3 12.0 18.0
 176 19.4 15.0 22.4

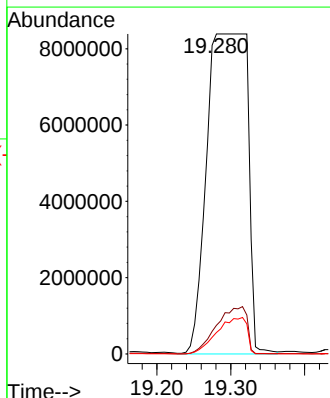
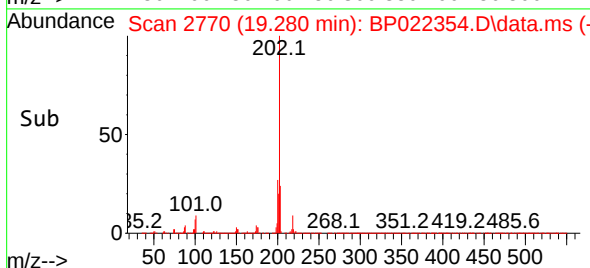
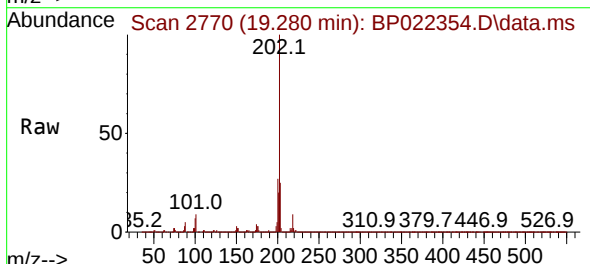
Manual Integrations
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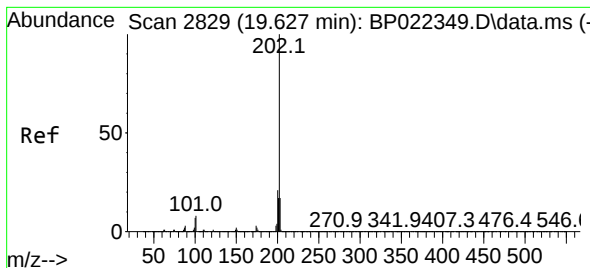
Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :mohammad ahmed 10/22/2024



#80
 Fluoranthene
 Concen: 537.730 ng/ul m
 RT: 19.280 min Scan# 2770
 Delta R.T. 0.030 min
 Lab File: BP022354.D
 Acq: 14 Oct 2024 13:54

Tgt Ion:202 Resp:32084567
 Ion Ratio Lower Upper
 202 100
 101 9.0 5.8 8.8#
 100 6.7 4.5 6.7





#82

Pyrene

Concen: 402.887 ng/ul m

RT: 19.663 min Scan# 21

Delta R.T. 0.035 min

Lab File: BP022354.D

Acq: 14 Oct 2024 13:54

Instrument :

BNA_P

ClientSampleId :

DCYN7

Tgt Ion:202 Resp:2576494

Ion Ratio Lower Upper

202 100

101 9.4 6.7 10.1

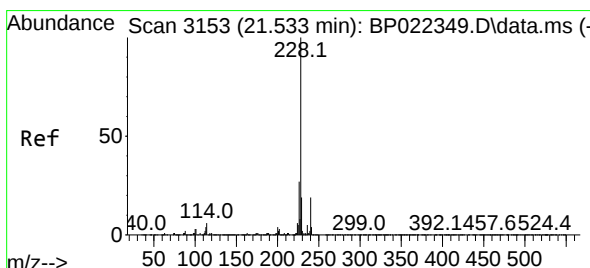
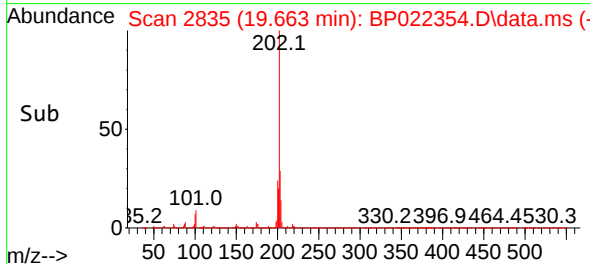
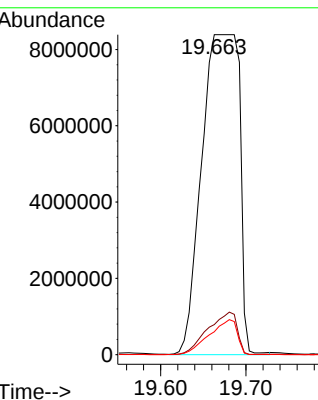
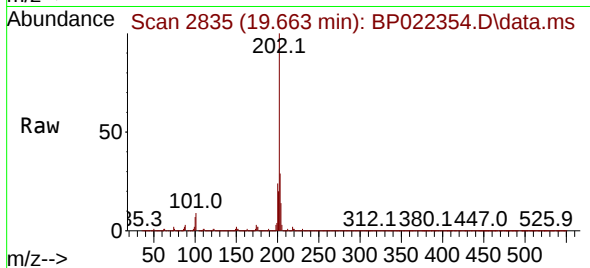
100 7.2 5.8 8.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/15/2024

Supervised By :mohammad ahmed 10/22/2024



#85

Benzo(a)anthracene

Concen: 192.199 ng/ul

RT: 21.569 min Scan# 3159

Delta R.T. 0.035 min

Lab File: BP022354.D

Acq: 14 Oct 2024 13:54

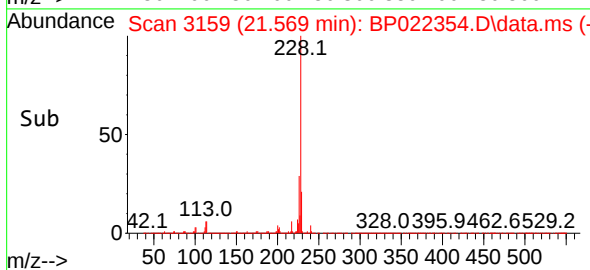
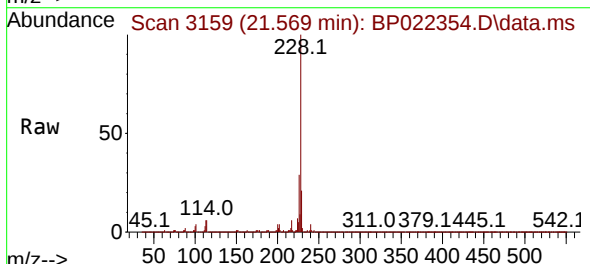
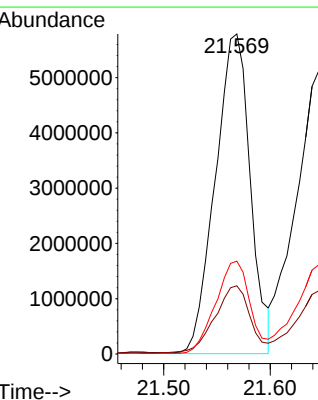
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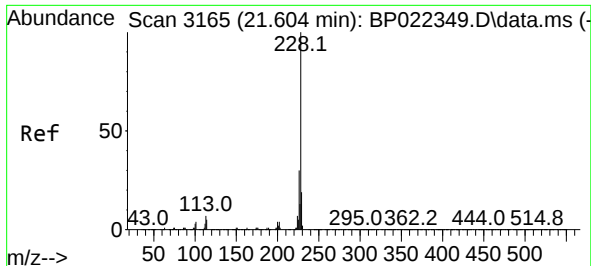
Ion Ratio Lower Upper

228 100

229 21.3 15.4 23.0

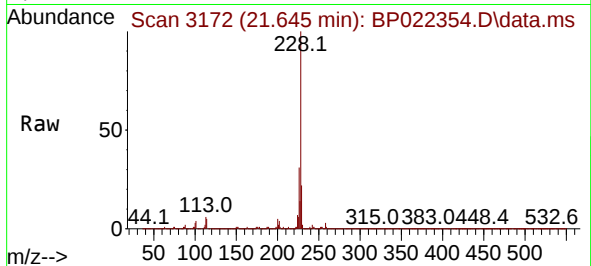
226 29.0 21.5 32.3





#87
Chrysene
Concen: 157.071 ng/u1
RT: 21.645 min Scan# 3165
Delta R.T. 0.041 min
Lab File: BP022354.D
Acq: 14 Oct 2024 13:54

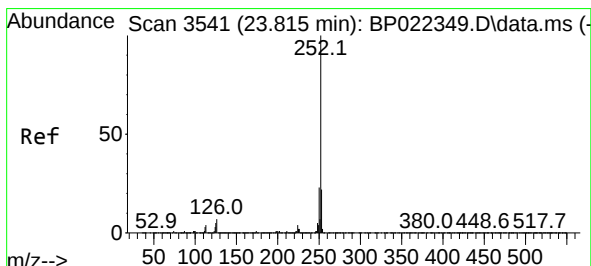
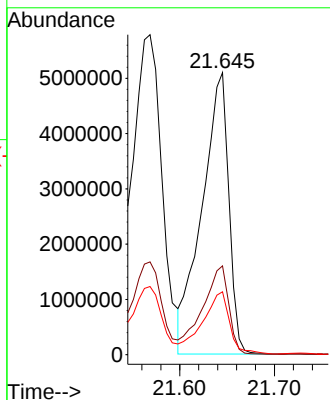
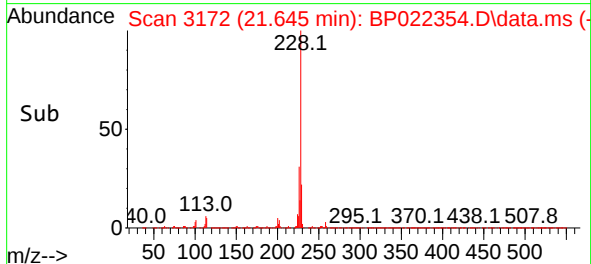
Instrument :
BNA_P
ClientSampleId :
DCYN7



Tgt Ion:228 Resp:1002068
Ion Ratio Lower Upper
228 100
226 31.5 23.8 35.8
229 22.3 15.5 23.3

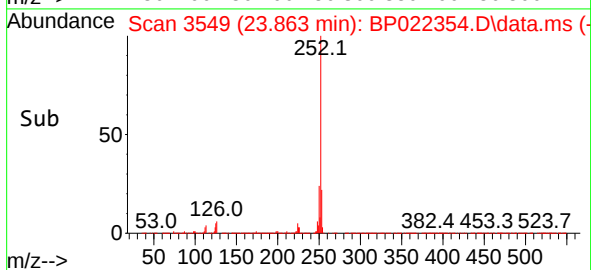
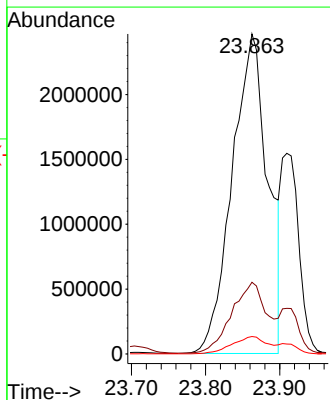
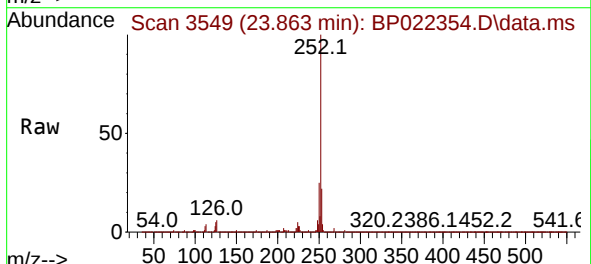
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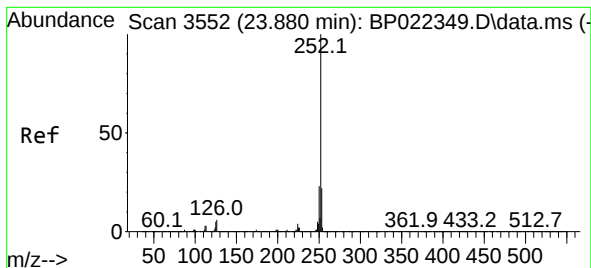
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/22/2024



#90
Benzo(b)fluoranthene
Concen: 107.183 ng/u1
RT: 23.863 min Scan# 3549
Delta R.T. 0.047 min
Lab File: BP022354.D
Acq: 14 Oct 2024 13:54

Tgt Ion:252 Resp: 8209620
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 5.4 5.0 7.4





#91

Benzo(k)fluoranthene

Concen: 33.750 ng/u1

RT: 23.910 min Scan# 3552

Delta R.T. 0.030 min

Lab File: BP022354.D

Acq: 14 Oct 2024 13:54

Instrument :

BNP_P

ClientSampleId :

DCYN7

Tgt Ion:252 Resp: 253093

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

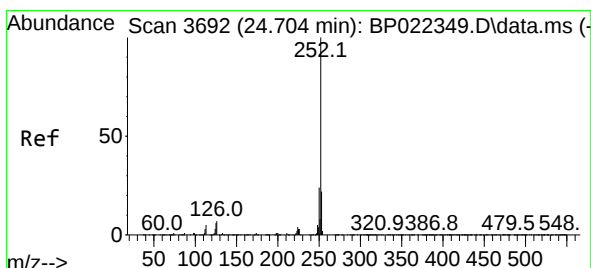
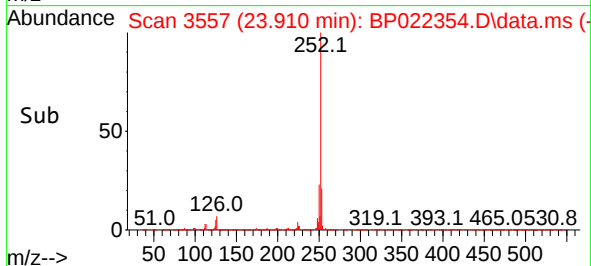
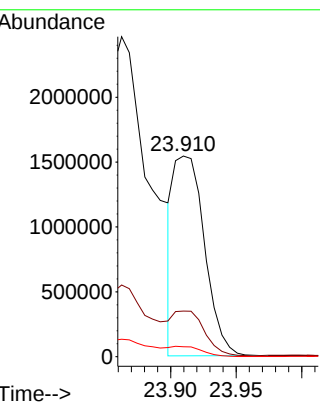
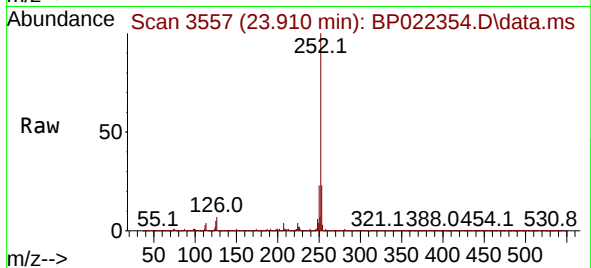
125 4.9 4.6 6.8

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Reviewed By :Yogesh Patel 10/15/2024

Supervised By :mohammad ahmed 10/22/2024



#93

Benzo(a)pyrene

Concen: 35.336 ng/u1

RT: 24.727 min Scan# 3696

Delta R.T. 0.024 min

Lab File: BP022354.D

Acq: 14 Oct 2024 13:54

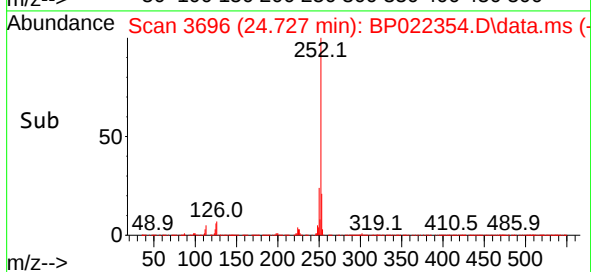
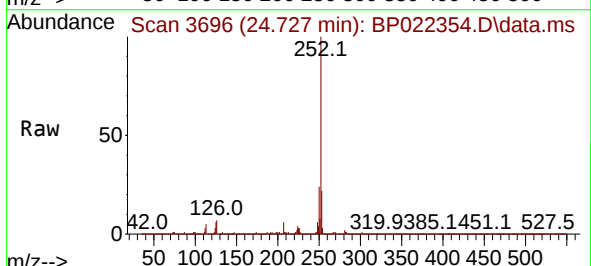
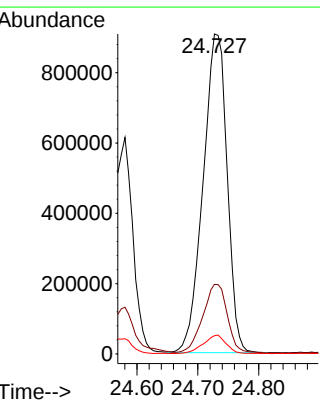
Tgt Ion:252 Resp: 2490959

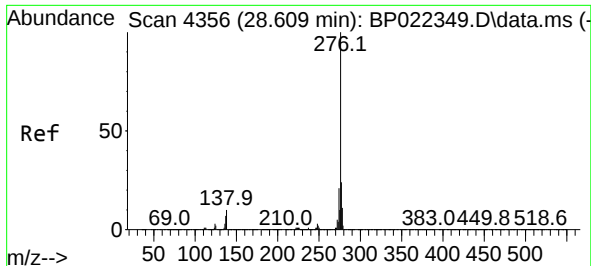
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

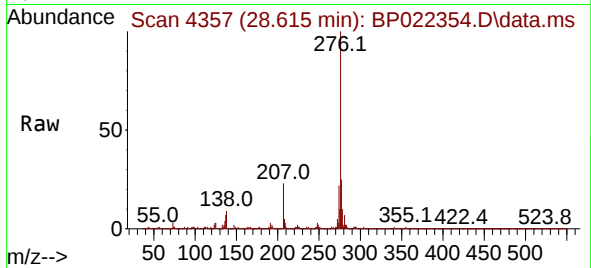
125 5.7 4.9 7.3





#94
 Indeno(1,2,3-cd)pyrene
 Concen: 14.770 ng/ul m
 RT: 28.615 min Scan# 4356
 Delta R.T. 0.006 min
 Lab File: BP022354.D
 Acq: 14 Oct 2024 13:54

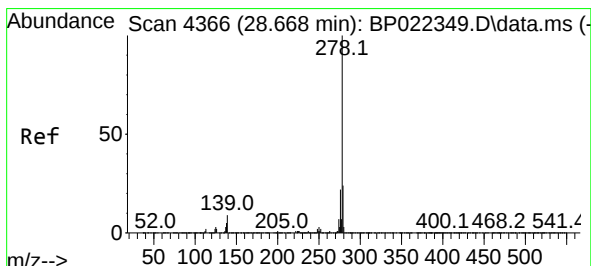
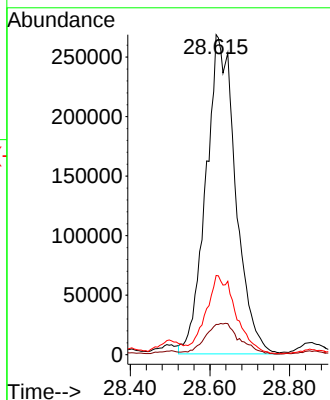
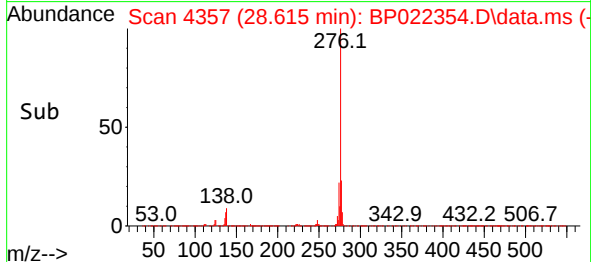
Instrument :
 BNA_P
 ClientSampleId :
 DCYN7



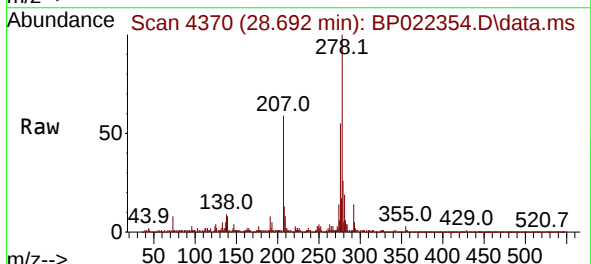
Tgt Ion: 276 Resp: 138946
 Ion Ratio Lower Upper
 276 100
 138 9.5 9.1 13.7
 277 24.7 18.6 27.8

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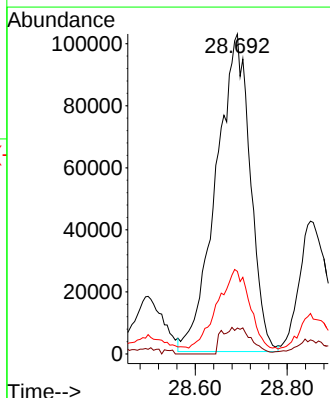
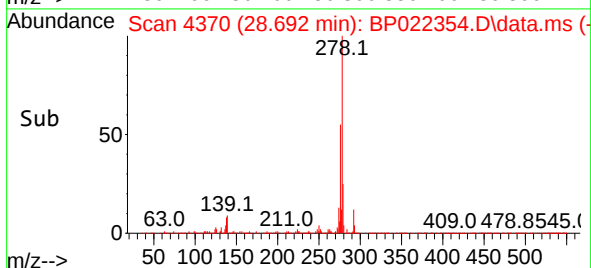
Reviewed By : Yogesh Patel 10/15/2024
 Supervised By : mohammad ahmed 10/22/2024

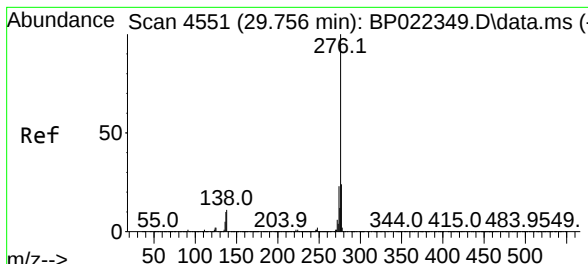


#95
 Dibenzo(a,h)anthracene
 Concen: 6.937 ng/ul m
 RT: 28.692 min Scan# 4370
 Delta R.T. 0.024 min
 Lab File: BP022354.D
 Acq: 14 Oct 2024 13:54



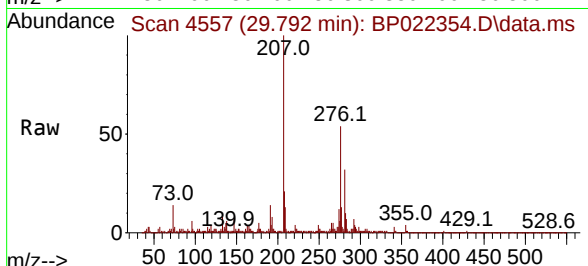
Tgt Ion: 278 Resp: 528407
 Ion Ratio Lower Upper
 278 100
 139 8.1 7.3 10.9
 279 25.8 19.0 28.4





#96
 Benzo(g,h,i)perylene
 Concen: 2.315 ng/ul m
 RT: 29.792 min Scan# 4557
 Delta R.T. 0.035 min
 Lab File: BP022354.D
 Acq: 14 Oct 2024 13:54

Instrument :
 BNA_P
 ClientSampleId :
 DCYN7



Tgt Ion: 276 Resp: 16935

Ion	Ratio	Lower	Upper
276	100		
138	10.9	8.5	12.7
277	24.8	19.0	28.4

Manual Integrations
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Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :mohammad ahmed 10/22/2024

