

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110124\
 Data File : BE101449.D
 Acq On : 1 Nov 2024 15:09
 Operator : RC/JU
 Sample : P4645-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Z-02-WC

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :mohammad ahmed 11/04/2024

Quant Time: Nov 01 16:17:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 29 01:26:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.575	152	64386	20.000	ng	0.00
21) Naphthalene-d8	10.343	136	275798	20.000	ng	0.00
39) Acenaphthene-d10	14.185	164	186947	20.000	ng	0.00
64) Phenanthrene-d10	16.917	188	434049	20.000	ng	0.00
76) Chrysene-d12	21.083	240	509855	20.000	ng	0.00
86) Perylene-d12	23.380	264	677793	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.325	112	58142	15.827	ng	0.00
7) Phenol-d6	6.953	99	72244	14.183	ng	0.00
23) Nitrobenzene-d5	8.786	82	42089	9.585	ng	0.00
42) 2,4,6-Tribromophenol	15.689	330	49100	14.985	ng	0.00
45) 2-Fluorobiphenyl	12.805	172	115764	10.487	ng	0.00
79) Terphenyl-d14	19.508	244	260433	11.756	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.244	154	21242	2.174	ng	97
71) Phenanthrene	16.959	178	663335	31.919	ng	98
72) Anthracene	17.047	178	139538	6.876	ng	98
73) Carbazole	17.376	167	49776	2.397	ng	99
75) Fluoranthene	18.968	202	1209391	47.914	ng	97
78) Pyrene	19.338	202	1182779	42.185	ng	97
81) Benzo(a)anthracene	21.060	228	664694	23.195	ng	97
83) Chrysene	21.118	228	649490	23.441	ng	96
87) Indeno(1,2,3-cd)pyrene	25.701	276	464511	10.240	ng	94
88) Benzo(b)fluoranthene	22.669	252	717961	20.326	ng	98
89) Benzo(k)fluoranthene	22.699	252	426894m	12.936	ng	
90) Benzo(a)pyrene	23.269	252	647308	20.954	ng	99
91) Dibenzo(a,h)anthracene	25.684	278	122275	3.262	ng	# 92
92) Benzo(g,h,i)perylene	26.453	276	466388	12.077	ng	98

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

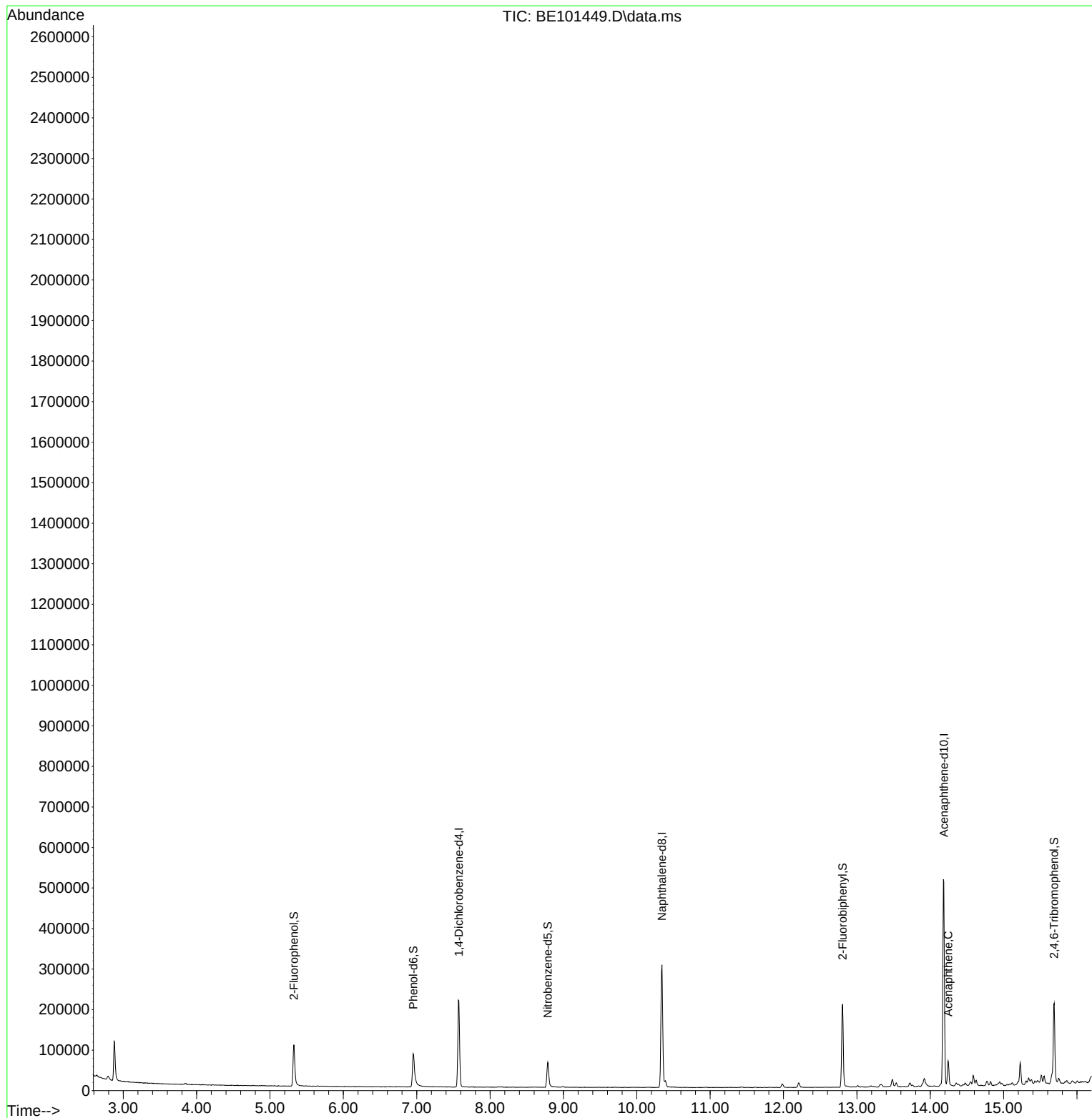
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110124\
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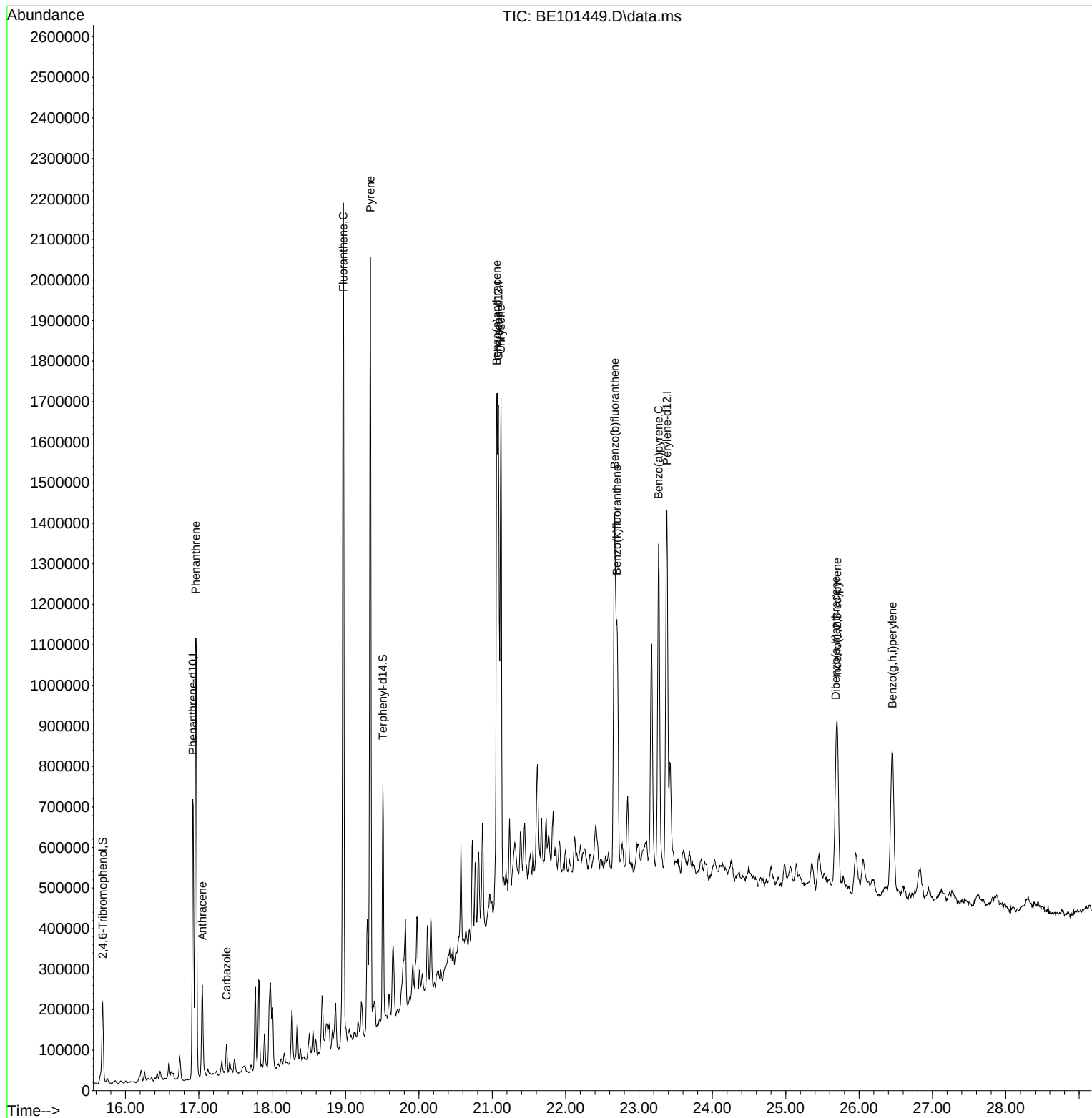
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Data File : BE101449.D
Acq On : 1 Nov 2024 15:09
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Sample : P4645-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

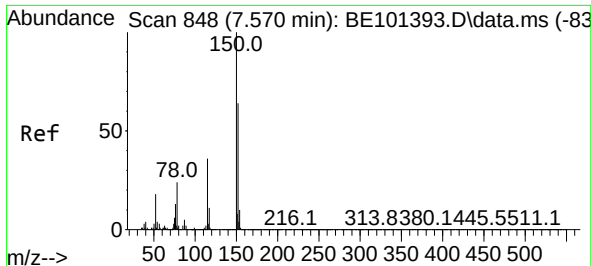
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BNA_E
ClientSampleId :
Z-02-WC

Quant Time: Nov 01 16:17:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
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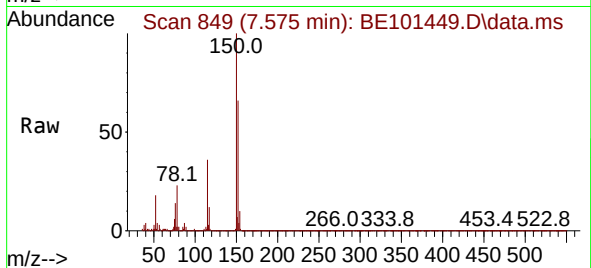
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.575 min Scan# 848
Delta R.T. 0.005 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

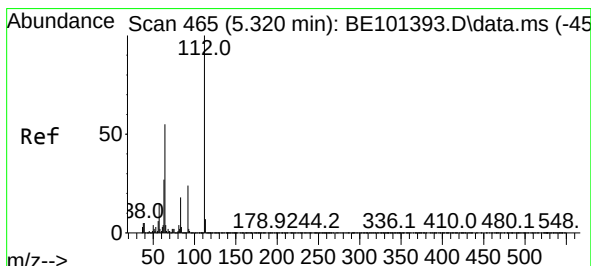
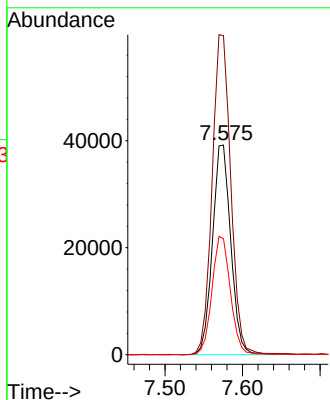
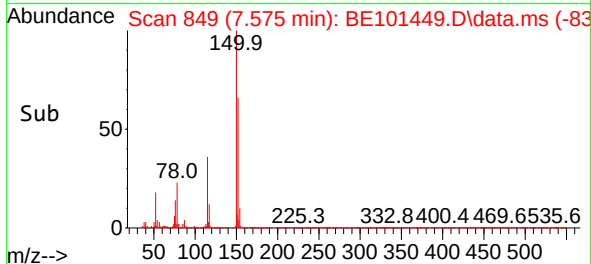
Instrument :
BNA_E
ClientSampleId :
Z-02-WC



Tgt Ion:152 Resp: 64380
Ion Ratio Lower Upper
152 100
150 152.2 124.2 186.4
115 55.4 45.3 67.9

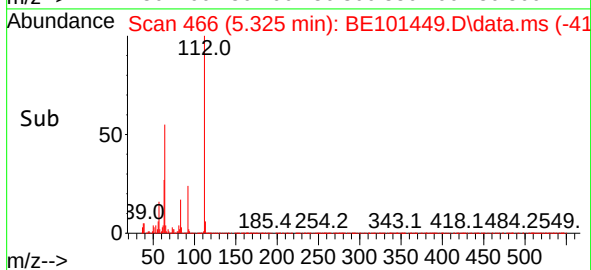
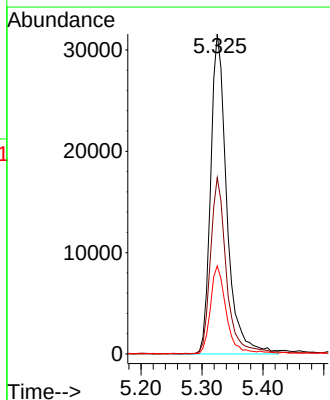
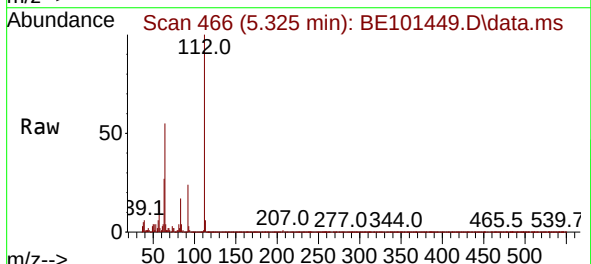
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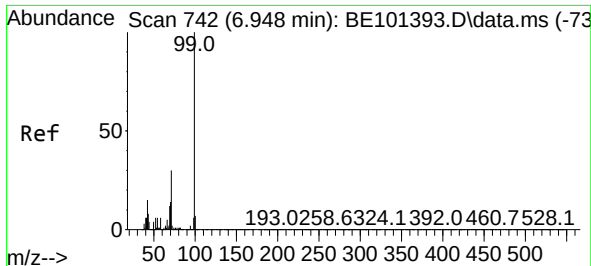
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#5
2-Fluorophenol
Concen: 15.827 ng
RT: 5.325 min Scan# 466
Delta R.T. 0.005 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

Tgt Ion:112 Resp: 58142
Ion Ratio Lower Upper
112 100
64 55.1 43.7 65.5
63 27.5 21.4 32.2





#7

Phenol-d6

Concen: 14.183 ng

RT: 6.953 min Scan# 742

Delta R.T. 0.005 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

Instrument :

BNA_E

ClientSampleId :

Z-02-WC

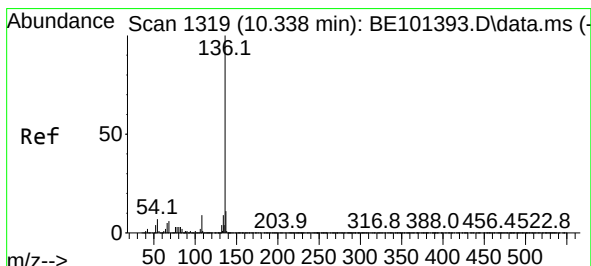
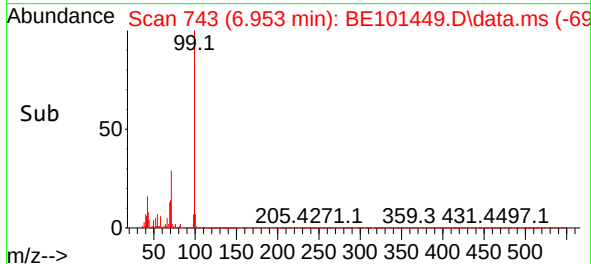
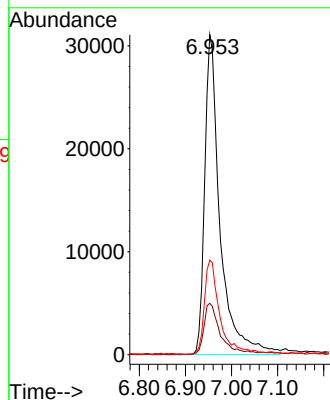
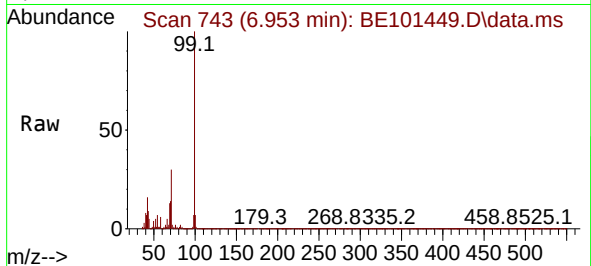
Tgt Ion: 99	Resp: 7224
Ion Ratio	Lower Upper
99 100	
42 16.0	12.3 18.5
71 29.5	23.8 35.8

Manual Integrations

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Supervised By :mohammad ahmed 11/04/2024



#21

Naphthalene-d8

Concen: 20.000 ng

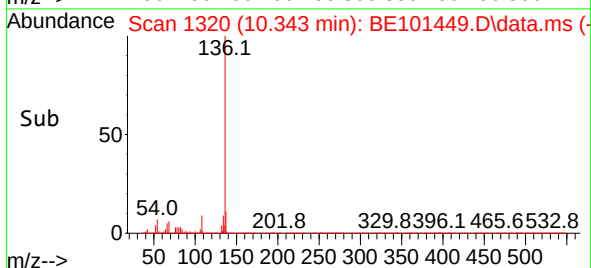
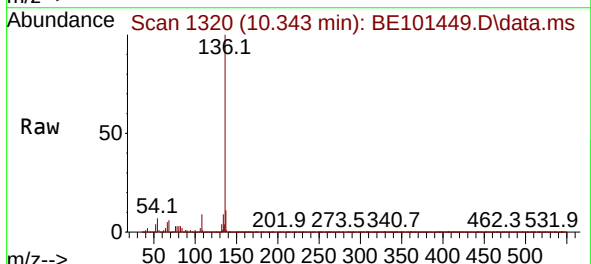
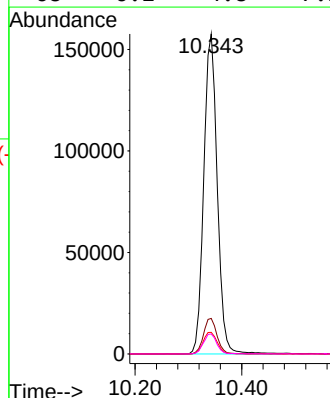
RT: 10.343 min Scan# 1320

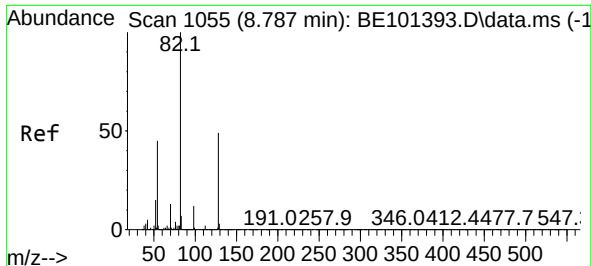
Delta R.T. 0.005 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

Tgt Ion:136	Resp: 275798
Ion Ratio	Lower Upper
136 100	
137 11.1	9.0 13.6
54 6.8	5.9 8.9
68 6.2	4.8 7.2





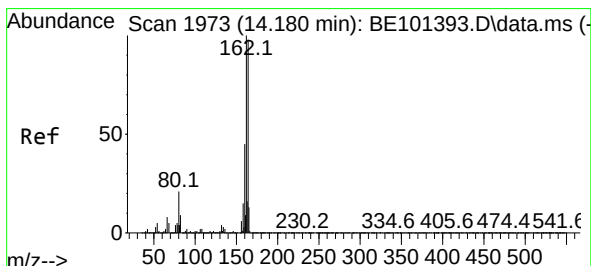
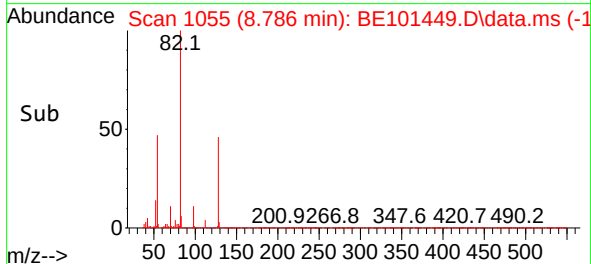
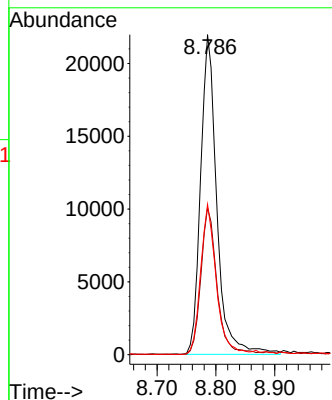
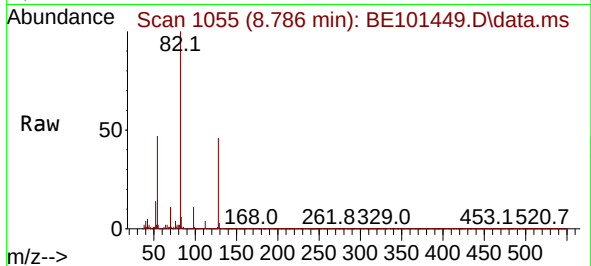
#23
Nitrobenzene-d5
Concen: 9.585 ng
RT: 8.786 min Scan# 1055
Delta R.T. -0.001 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

Instrument :
BNA_E
ClientSampleId :
Z-02-WC

Tgt Ion: 82 Resp: 42089
Ion Ratio Lower Upper
82 100
128 45.9 38.9 58.3
54 46.9 36.2 54.4

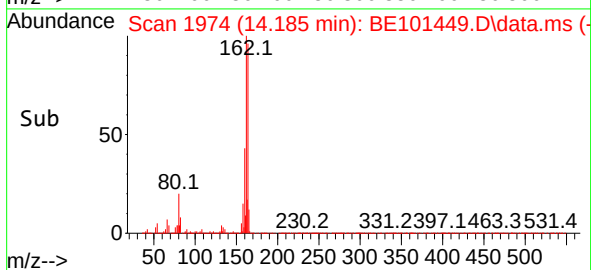
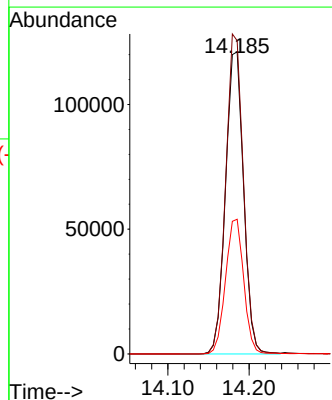
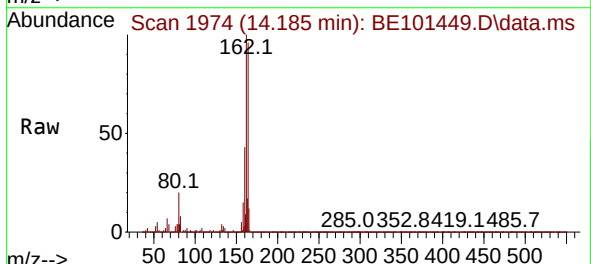
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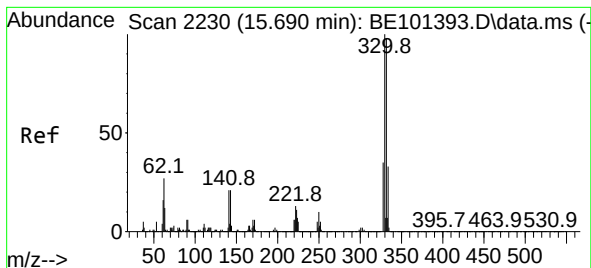
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.185 min Scan# 1974
Delta R.T. 0.005 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

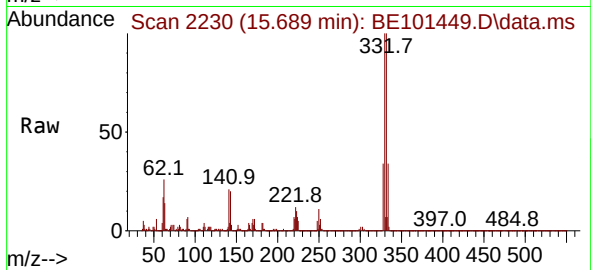
Tgt Ion:164 Resp: 186947
Ion Ratio Lower Upper
164 100
162 103.7 81.3 121.9
160 44.6 36.4 54.6





#42
2,4,6-Tribromophenol
Concen: 14.985 ng
RT: 15.689 min Scan# 211
Delta R.T. -0.001 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

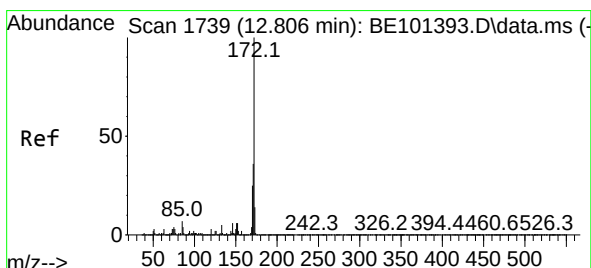
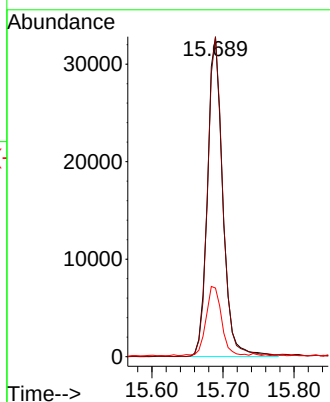
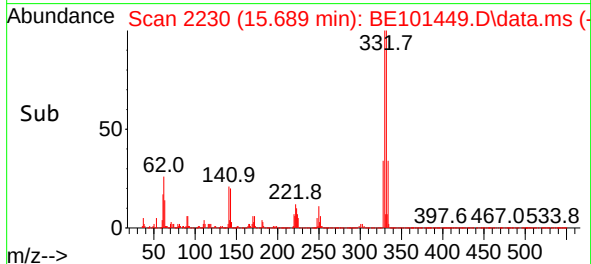
Instrument :
BNA_E
ClientSampleId :
Z-02-WC



Tgt Ion:330 Resp: 49100
Ion Ratio Lower Upper
330 100
332 99.2 78.2 117.2
141 21.9 18.3 27.5

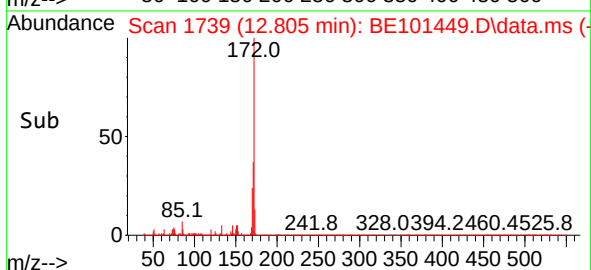
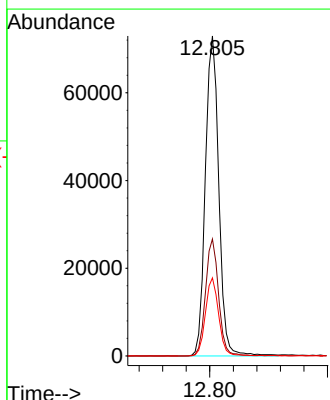
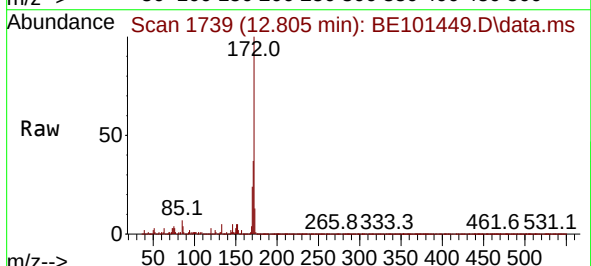
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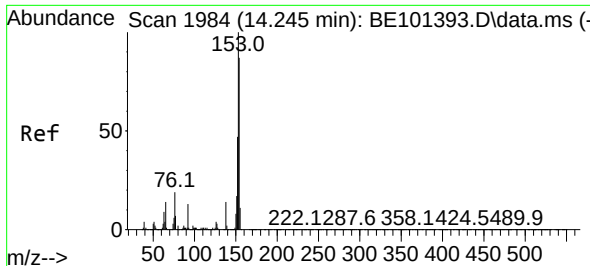
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#45
2-Fluorobiphenyl
Concen: 10.487 ng
RT: 12.805 min Scan# 1739
Delta R.T. -0.001 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

Tgt Ion:172 Resp: 115764
Ion Ratio Lower Upper
172 100
171 36.5 29.2 43.8
170 24.4 19.8 29.6





#52
Acenaphthene
Concen: 2.174 ng
RT: 14.244 min Scan# 1984
Delta R.T. -0.001 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

Instrument :

BNA_E

ClientSampleId :

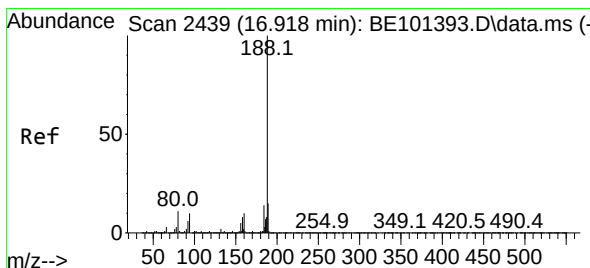
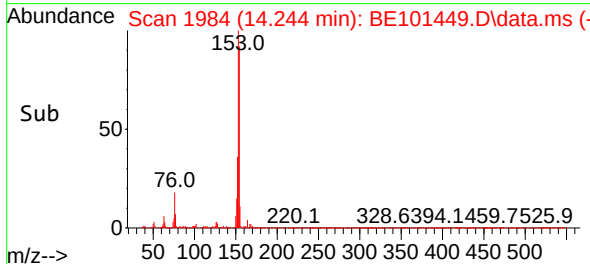
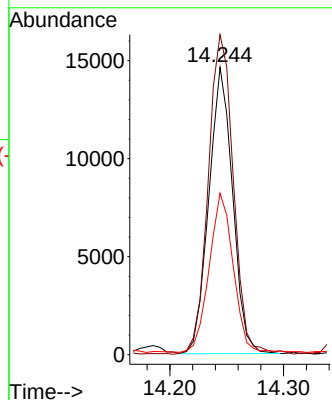
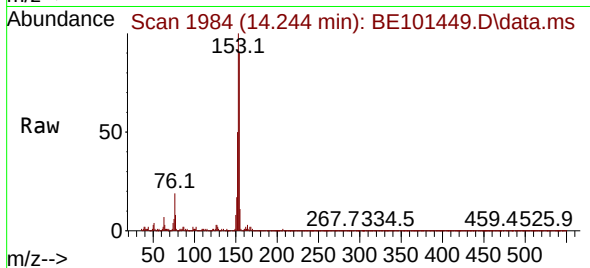
Z-02-WC

Tgt Ion:154 Resp: 2124
Ion Ratio Lower Upper
154 100
153 111.3 91.8 137.6
152 56.1 43.1 64.7

Manual Integrations

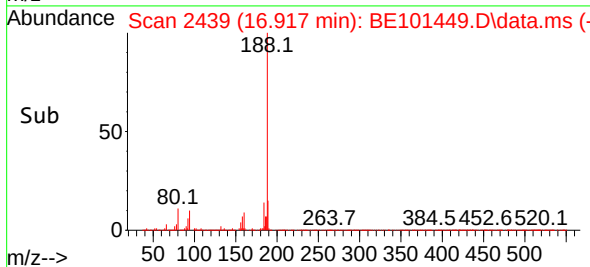
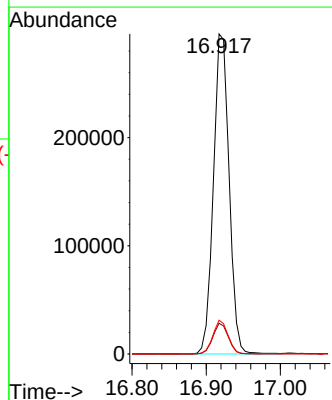
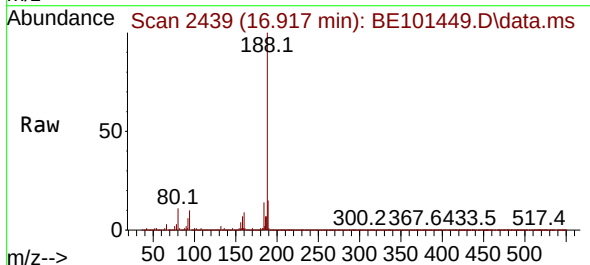
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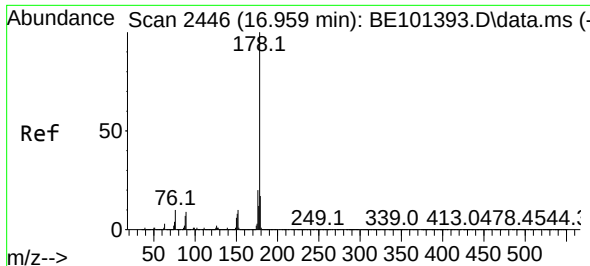
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.917 min Scan# 2439
Delta R.T. -0.001 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

Tgt Ion:188 Resp: 434049
Ion Ratio Lower Upper
188 100
94 9.6 7.8 11.8
80 10.6 8.6 12.8





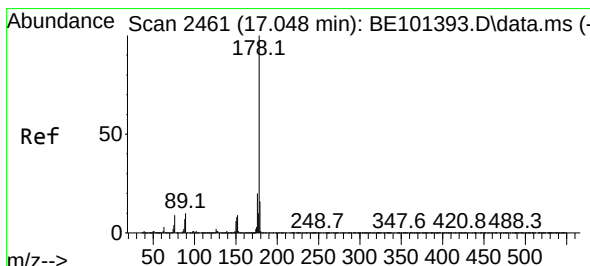
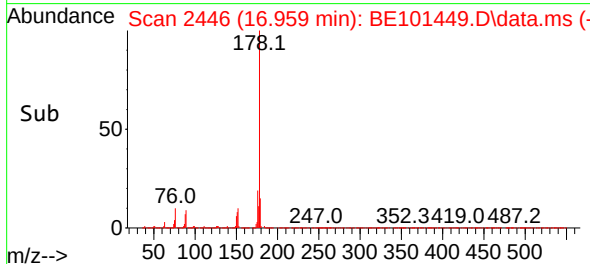
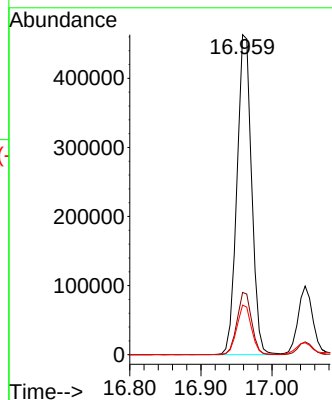
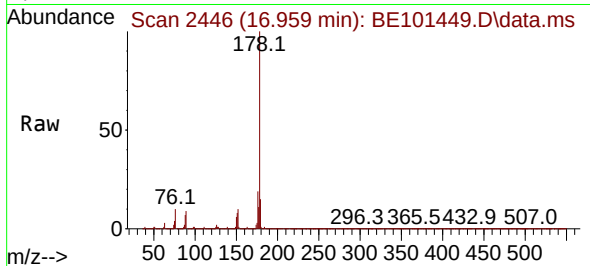
#71
Phenanthrene
Concen: 31.919 ng
RT: 16.959 min Scan# 2446
Delta R.T. -0.001 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

Instrument :
BNA_E
ClientSampleId :
Z-02-WC

Tgt Ion:178 Resp: 66333
Ion Ratio Lower Upper
178 100
176 19.5 16.4 24.6
179 15.5 13.2 19.8

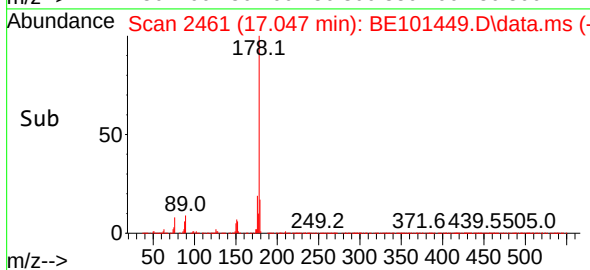
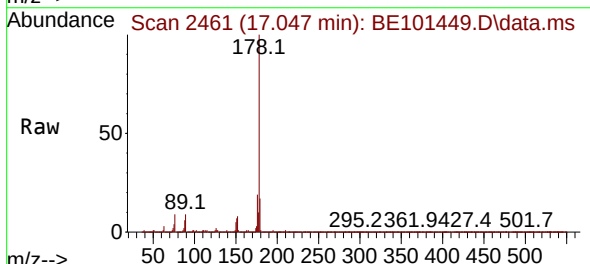
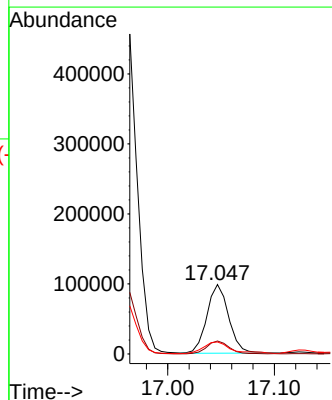
Manual Integrations
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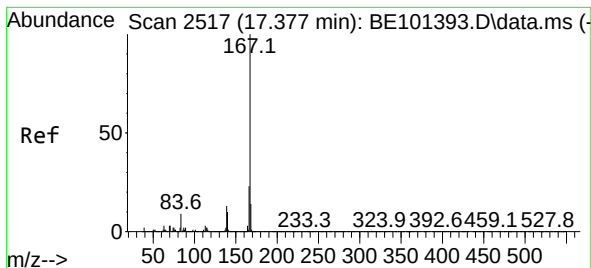
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#72
Anthracene
Concen: 6.876 ng
RT: 17.047 min Scan# 2461
Delta R.T. -0.001 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

Tgt Ion:178 Resp: 139538
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 17.3 13.1 19.7





#73

Carbazole

Concen: 2.397 ng

RT: 17.376 min Scan# 2517

Delta R.T. -0.001 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

Instrument :

BNA_E

ClientSampleId :

Z-02-WC

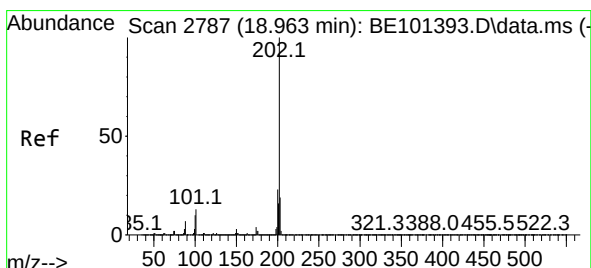
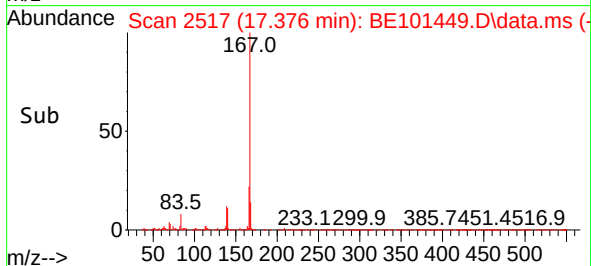
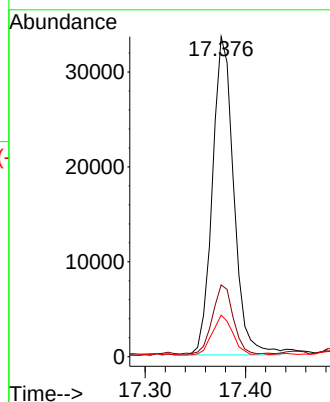
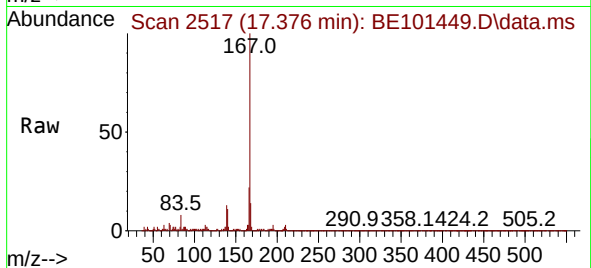
Tgt Ion:167	Resp: 49770
Ion Ratio	Lower Upper
167 100	
166 22.4	18.3 27.5
139 13.0	10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#75

Fluoranthene

Concen: 47.914 ng

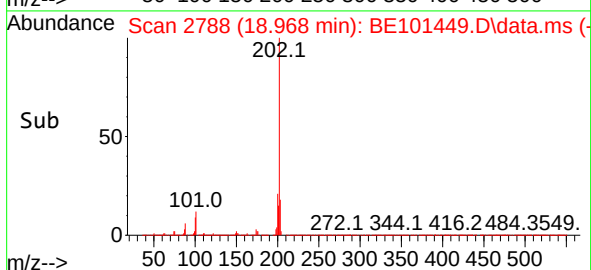
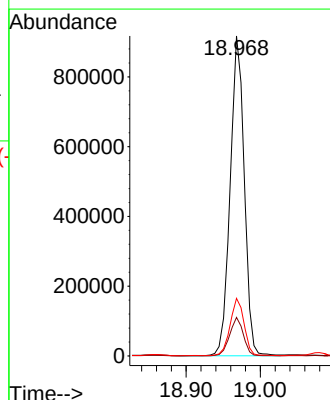
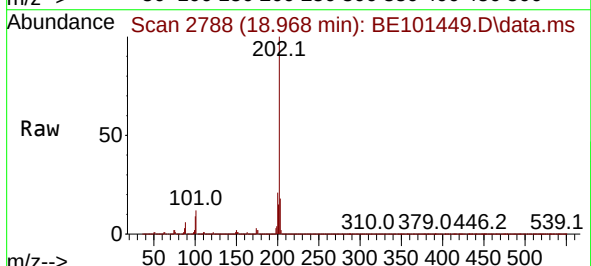
RT: 18.968 min Scan# 2788

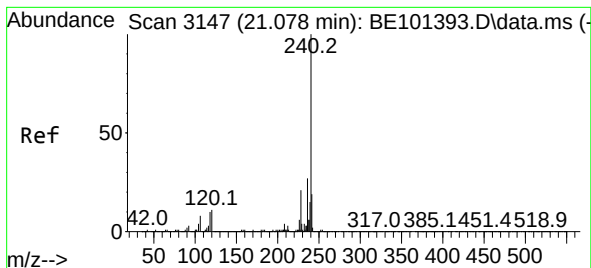
Delta R.T. 0.005 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

Tgt Ion:202	Resp: 1209391
Ion Ratio	Lower Upper
202 100	
101 12.1	0.0 33.3
203 18.0	0.0 39.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.083 min Scan# 3147

Delta R.T. 0.005 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

Instrument :

BNA_E

ClientSampleId :

Z-02-WC

Tgt Ion:240 Resp: 50985

Ion Ratio Lower Upper

240 100

120 10.4 9.0 13.4

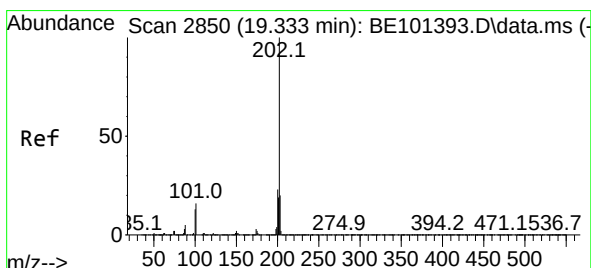
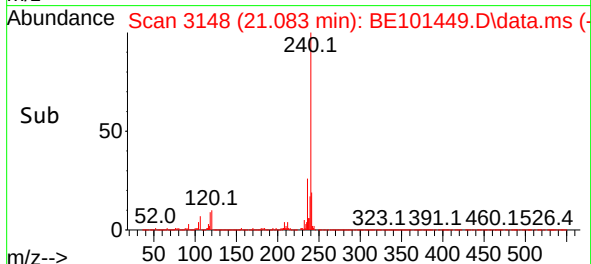
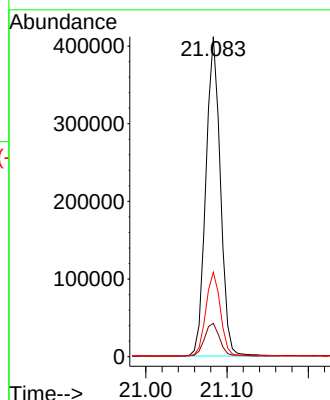
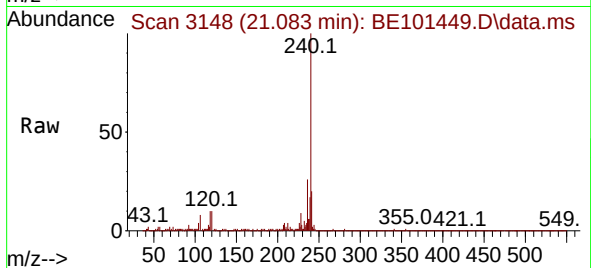
236 26.4 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#78

Pyrene

Concen: 42.185 ng

RT: 19.338 min Scan# 2851

Delta R.T. 0.005 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

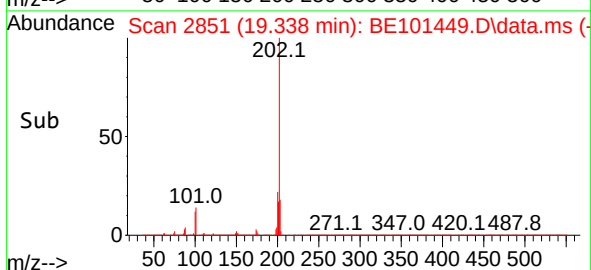
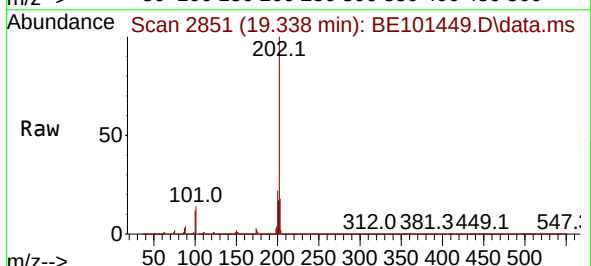
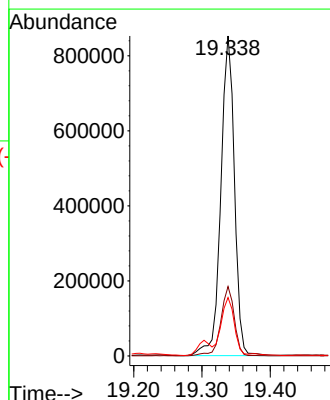
Tgt Ion:202 Resp: 1182779

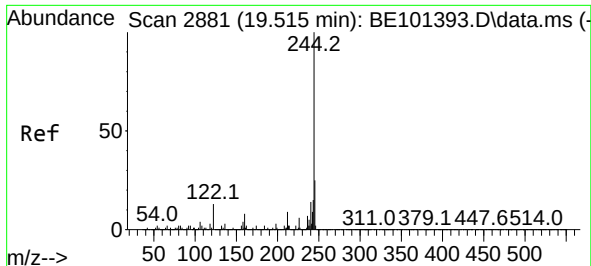
Ion Ratio Lower Upper

202 100

200 21.7 18.6 28.0

203 18.3 15.6 23.4





#79
 Terphenyl-d14
 Concen: 11.756 ng
 RT: 19.508 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BE101449.D
 Acq: 1 Nov 2024 15:09

Instrument :

BNA_E

ClientSampleId :

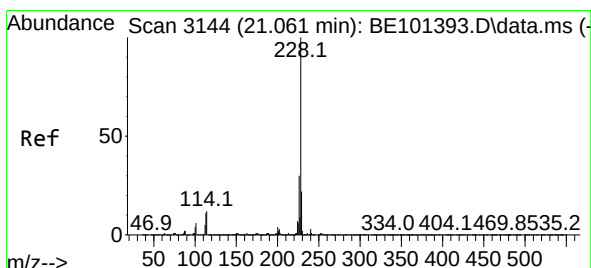
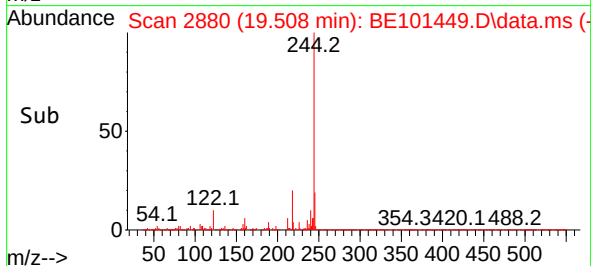
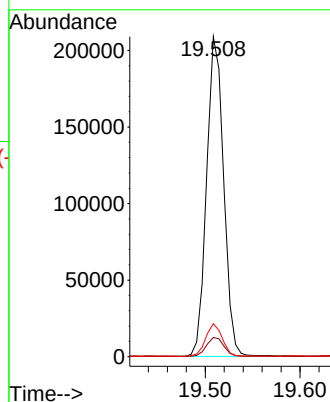
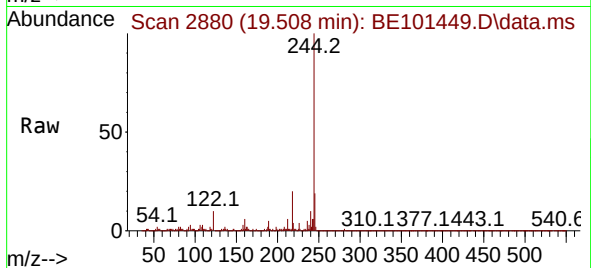
Z-02-WC

Tgt Ion:244 Resp: 26043
 Ion Ratio Lower Upper
 244 100
 212 6.0 7.2 10.8
 122 10.3 10.4 15.6

Manual Integrations

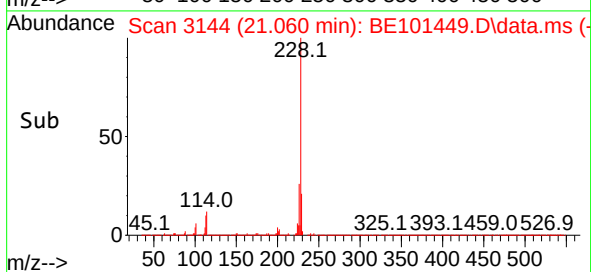
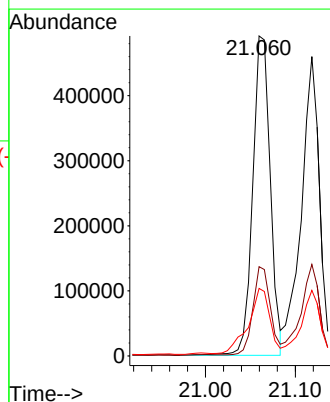
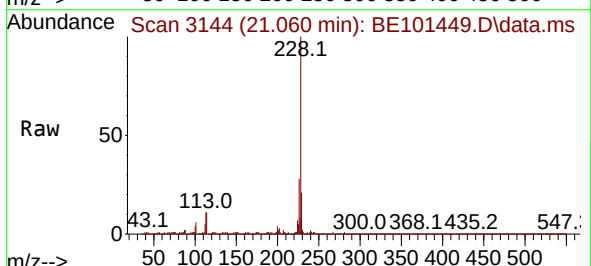
APPROVED

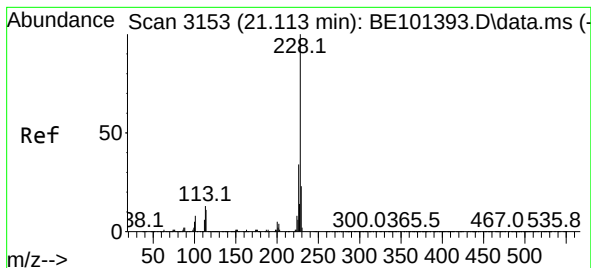
Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :mohammad ahmed 11/04/2024



#81
 Benzo(a)anthracene
 Concen: 23.195 ng
 RT: 21.060 min Scan# 3144
 Delta R.T. -0.001 min
 Lab File: BE101449.D
 Acq: 1 Nov 2024 15:09

Tgt Ion:228 Resp: 664694
 Ion Ratio Lower Upper
 228 100
 226 27.9 24.1 36.1
 229 21.1 17.3 25.9





#83

Chrysene

Concen: 23.441 ng

RT: 21.118 min Scan# 31

Delta R.T. 0.005 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

Instrument :

BNA_E

ClientSampleId :

Z-02-WC

Tgt Ion:228 Resp: 649490

Ion Ratio Lower Upper

228 100

226 30.6 27.2 40.8

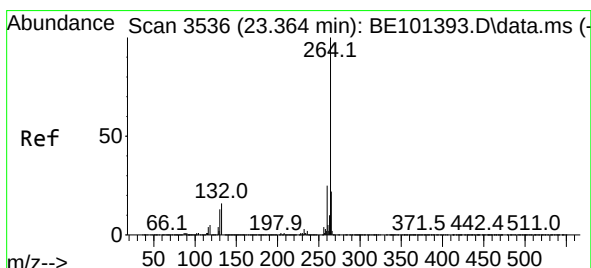
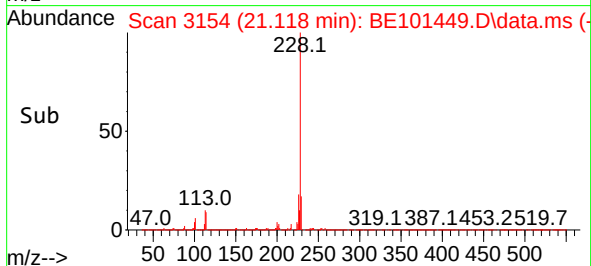
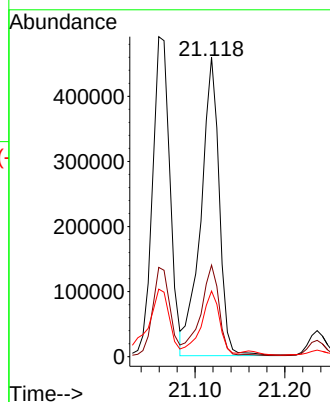
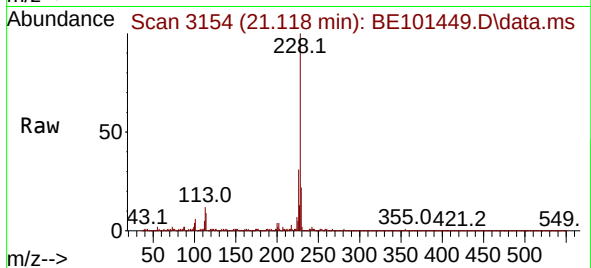
229 21.9 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.380 min Scan# 3539

Delta R.T. 0.017 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

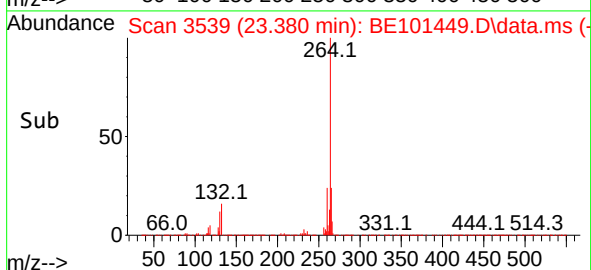
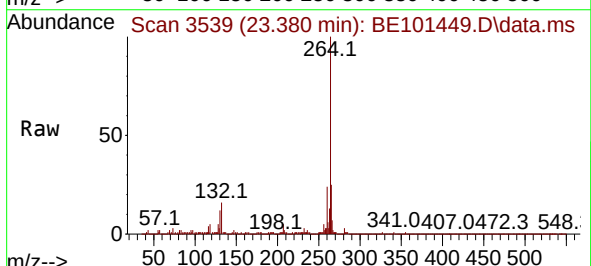
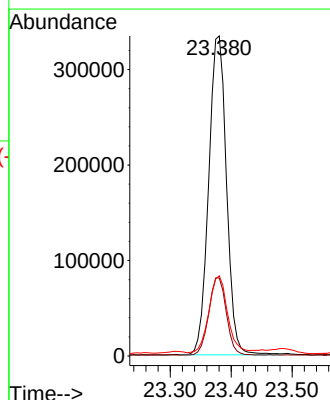
Tgt Ion:264 Resp: 677793

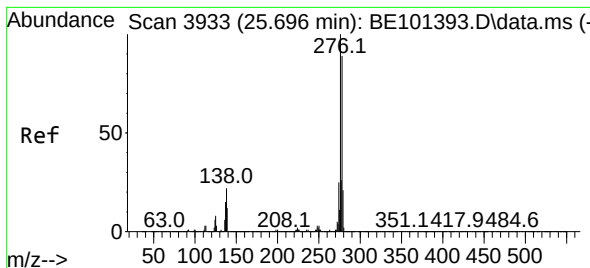
Ion Ratio Lower Upper

264 100

260 24.4 19.8 29.8

265 25.0 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.240 ng

RT: 25.701 min Scan# 3934

Delta R.T. 0.005 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

Instrument :

BNA_E

ClientSampleId :

Z-02-WC

Tgt Ion:276 Resp: 46451

Ion Ratio Lower Upper

276 100

138 18.9 17.8 26.8

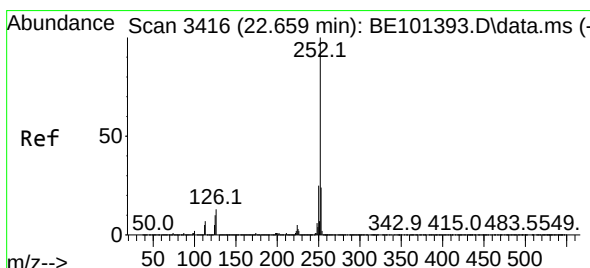
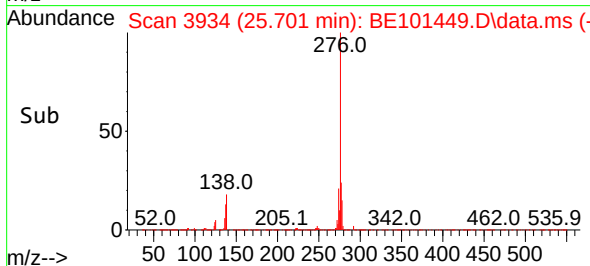
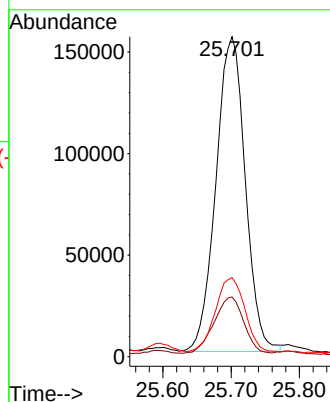
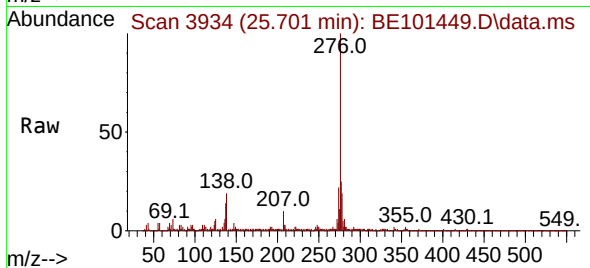
277 23.5 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#88

Benzo(b)fluoranthene

Concen: 20.326 ng

RT: 22.669 min Scan# 3418

Delta R.T. 0.011 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

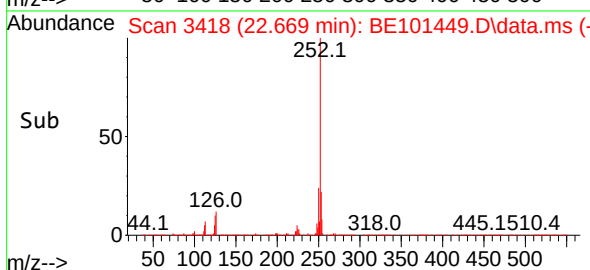
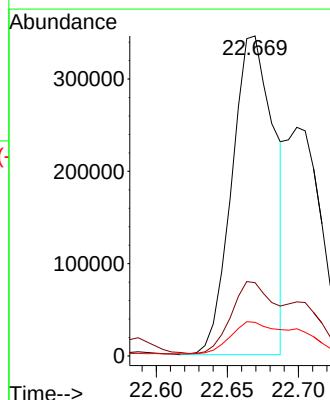
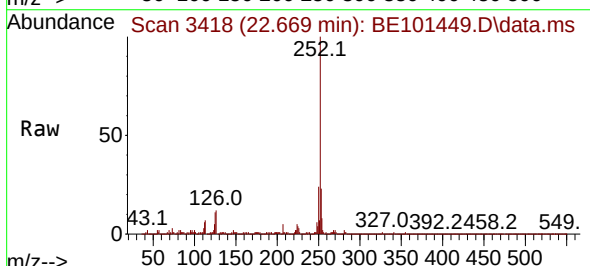
Tgt Ion:252 Resp: 717961

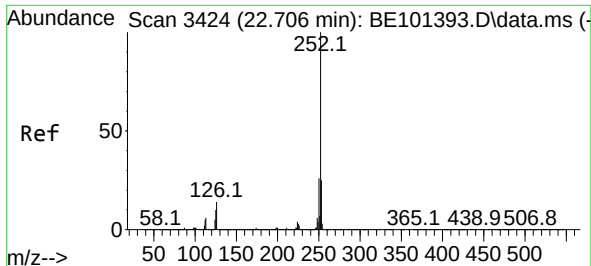
Ion Ratio Lower Upper

252 100

253 22.9 19.0 28.6

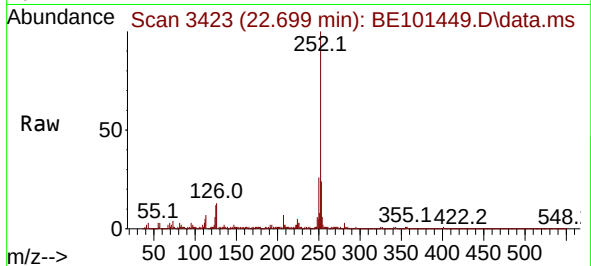
125 10.5 8.2 12.2





#89
Benzo(k)fluoranthene
Concen: 12.936 ng m
RT: 22.699 min Scan# 34
Delta R.T. -0.007 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

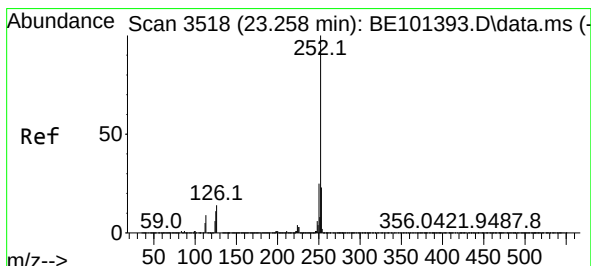
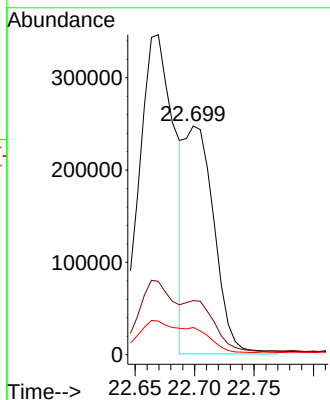
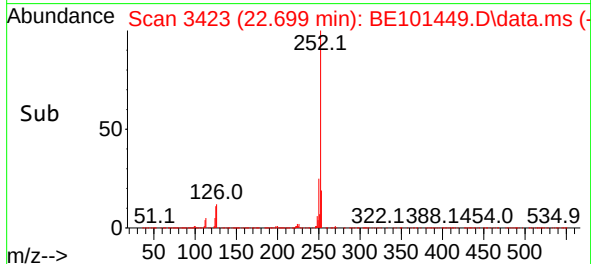
Instrument :
BNA_E
ClientSampleId :
Z-02-WC



Tgt Ion:252 Resp: 426894
Ion Ratio Lower Upper
252 100
253 23.7 19.4 29.2
125 11.9 8.2 12.2

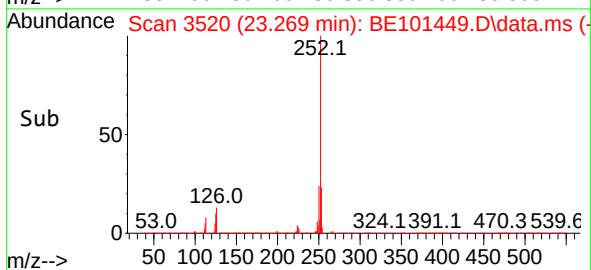
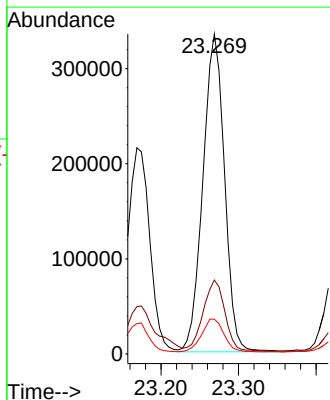
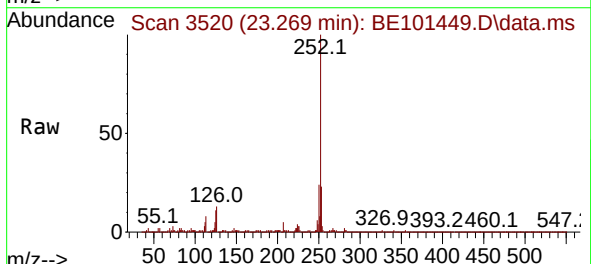
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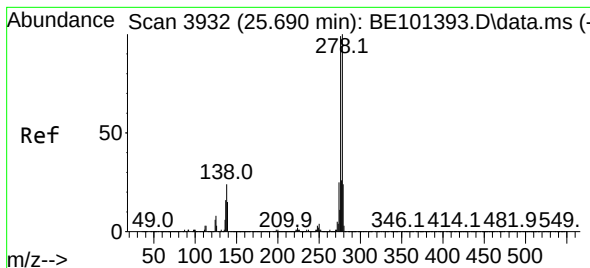
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#90
Benzo(a)pyrene
Concen: 20.954 ng
RT: 23.269 min Scan# 3520
Delta R.T. 0.011 min
Lab File: BE101449.D
Acq: 1 Nov 2024 15:09

Tgt Ion:252 Resp: 647308
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 10.8 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 3.262 ng

RT: 25.684 min Scan# 3932

Delta R.T. -0.007 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

Instrument :

BNA_E

ClientSampleId :

Z-02-WC

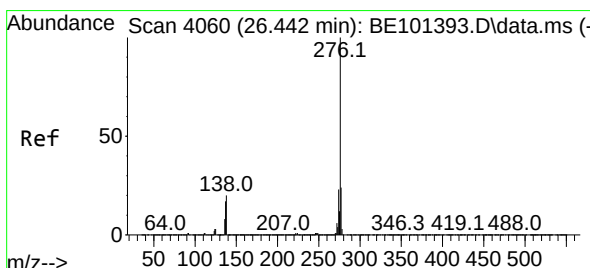
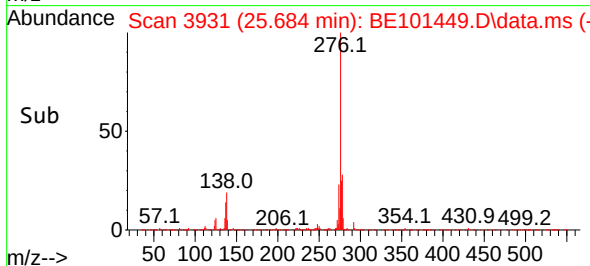
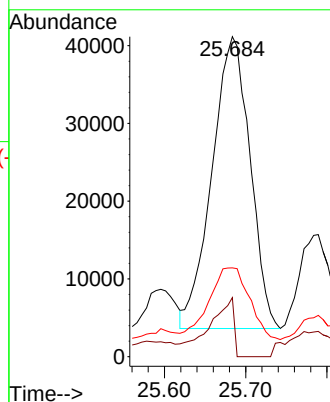
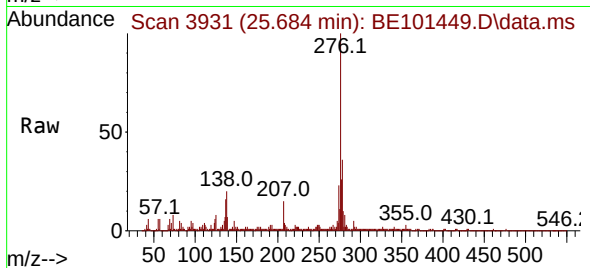
Tgt Ion:	278	Resp:	122279
Ion Ratio	Lower	Upper	
278	100		
139	18.5	11.9	17.9
279	27.8	19.3	28.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#92

Benzo(g,h,i)perylene

Concen: 12.077 ng

RT: 26.453 min Scan# 4062

Delta R.T. 0.011 min

Lab File: BE101449.D

Acq: 1 Nov 2024 15:09

Tgt Ion:	276	Resp:	466388
Ion Ratio	Lower	Upper	
276	100		
277	25.5	19.4	29.2
138	19.3	15.8	23.6

