

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE103124\
 Data File : BE101435.D
 Acq On : 31 Oct 2024 16:25
 Operator : RC/JU
 Sample : P4640-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MH-3

Manual Integrations
 APPROVED

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

Quant Time: Nov 01 06:14:08 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	7.572	152	139764	20.000	ng	0.00
21) Naphthalene-d8	10.340	136	634352	20.000	ng	0.00
39) Acenaphthene-d10	14.176	164	439064	20.000	ng	0.00
64) Phenanthrene-d10	16.914	188	961666	20.000	ng	0.00
76) Chrysene-d12	21.080	240	1016222	20.000	ng	0.00
86) Perylene-d12	23.371	264	1327340	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.322	112	208306	26.122	ng	0.00
7) Phenol-d6	6.950	99	275901	24.952	ng	0.00
23) Nitrobenzene-d5	8.783	82	158328	15.677	ng	0.00
42) 2,4,6-Tribromophenol	15.680	330	194366	25.258	ng	0.00
45) 2-Fluorobiphenyl	12.801	172	455748	17.579	ng	0.00
79) Terphenyl-d14	19.505	244	916274	20.752	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	16.955	178	146776	3.188	ng	99
75) Fluoranthene	18.965	202	306936	5.489	ng	96
78) Pyrene	19.329	202	310459	5.555	ng	96
81) Benzo(a)anthracene	21.057	228	170857	2.991	ng	96
83) Chrysene	21.109	228	168573	3.052	ng	94
88) Benzo(b)fluoranthene	22.661	252	195619m	2.828	ng	
89) Benzo(k)fluoranthene	22.672	252	147514m	2.283	ng	
90) Benzo(a)pyrene	23.254	252	180907	2.990	ng	# 86

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

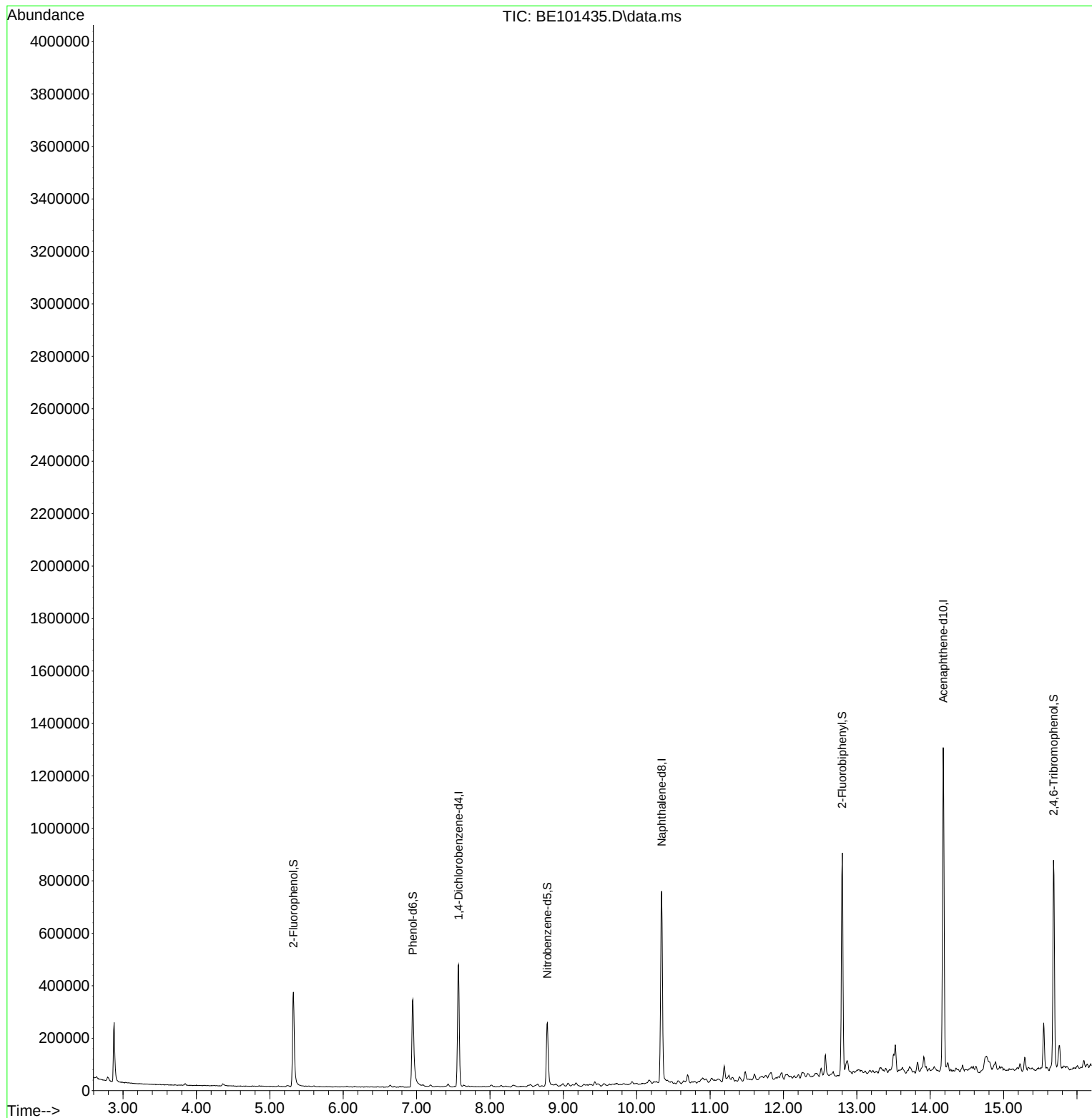
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE103124\
Data File : BE101435.D
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Response via : Initial Calibration

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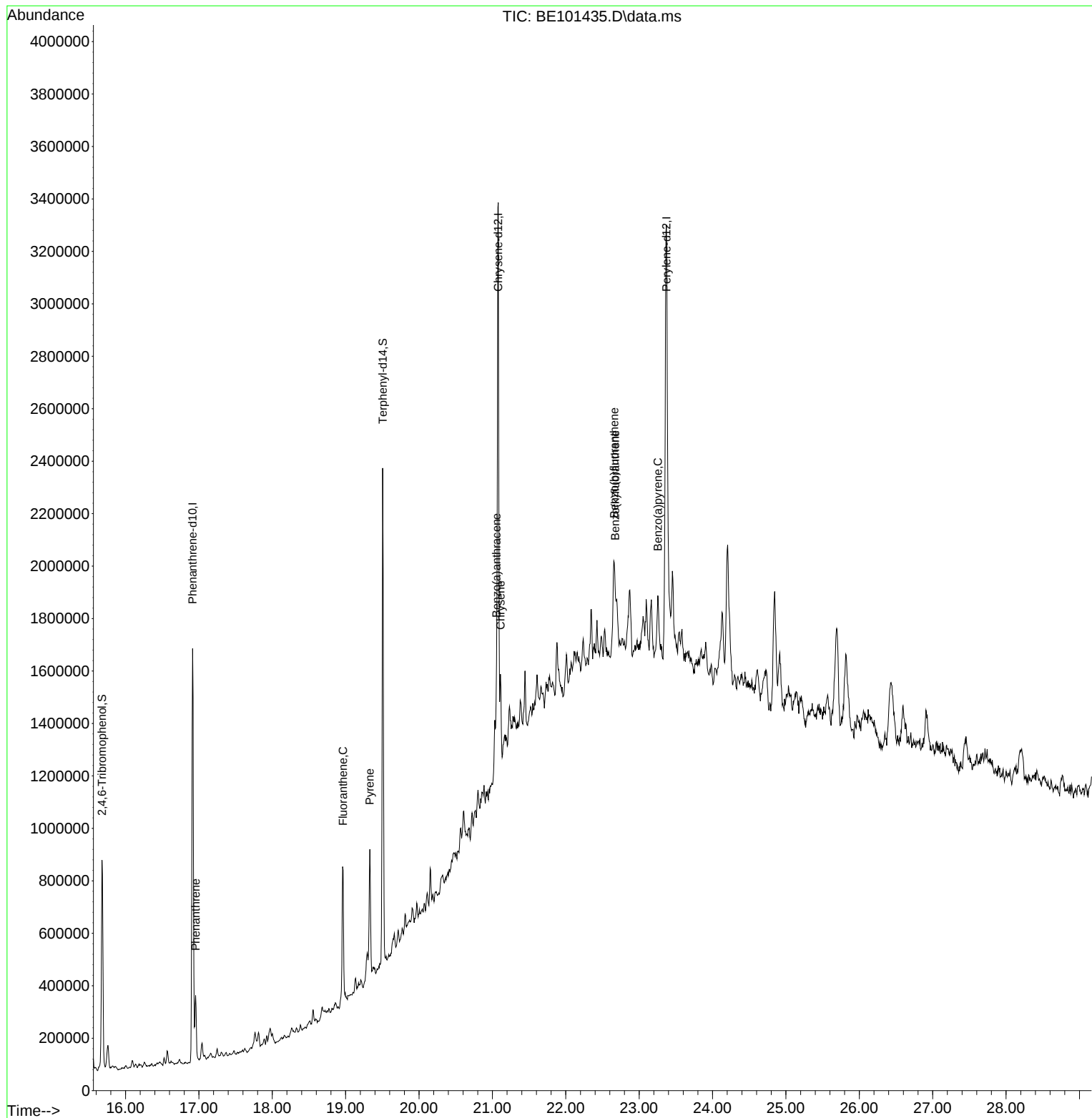
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE103124\
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ALS Vial : 12 Sample Multiplier: 1

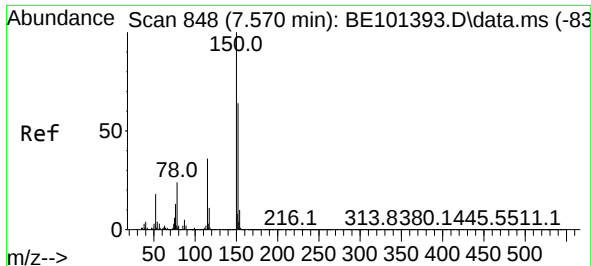
Instrument :
BNA_E
ClientSampleId :
MH-3

Quant Time: Nov 01 06:14:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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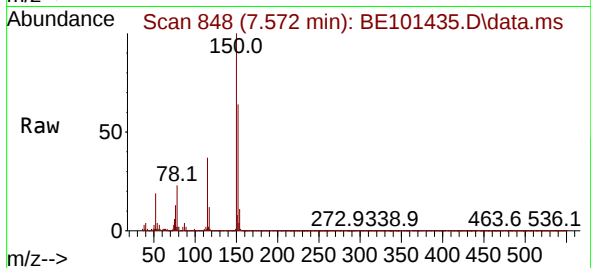
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.572 min Scan# 848
Delta R.T. 0.002 min
Lab File: BE101435.D
Acq: 31 Oct 2024 16:25

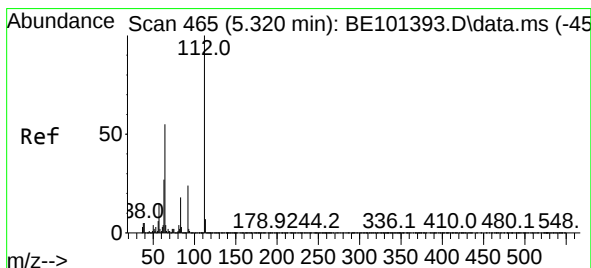
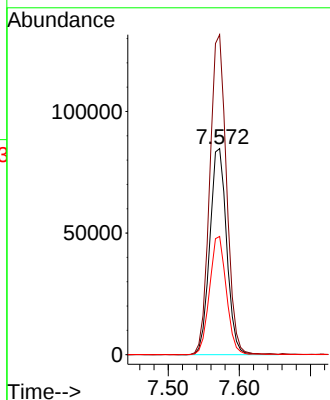
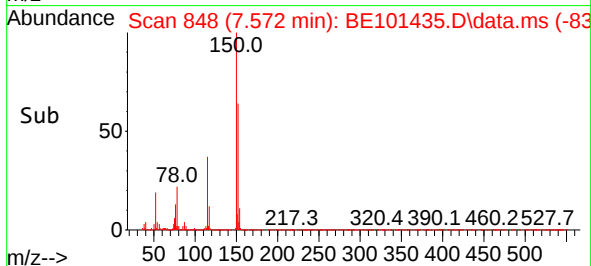
Instrument :
BNA_E
ClientSampleId :
MH-3



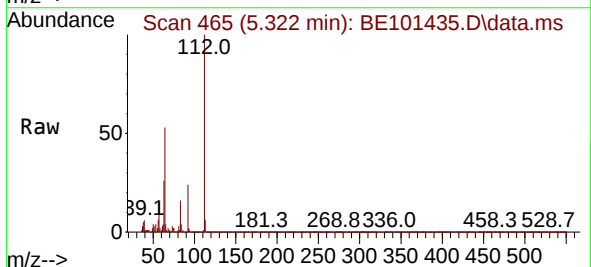
Tgt Ion:152 Resp: 139764
Ion Ratio Lower Upper
152 100
150 155.2 124.2 186.4
115 57.4 45.3 67.9

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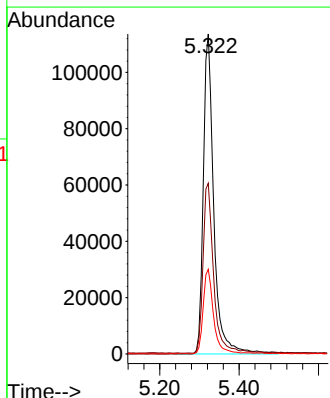
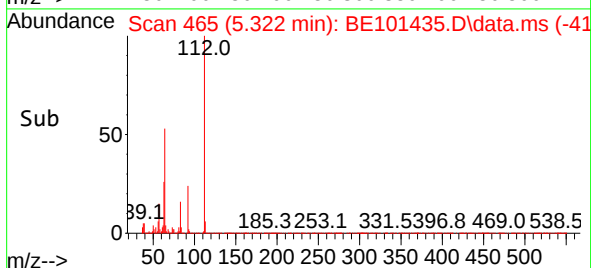
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024

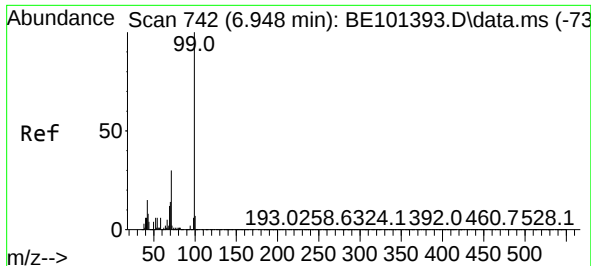


#5
2-Fluorophenol
Concen: 26.122 ng
RT: 5.322 min Scan# 465
Delta R.T. 0.002 min
Lab File: BE101435.D
Acq: 31 Oct 2024 16:25



Tgt Ion:112 Resp: 208306
Ion Ratio Lower Upper
112 100
64 53.3 43.7 65.5
63 26.5 21.4 32.2





#7

Phenol-d6

Concen: 24.952 ng

RT: 6.950 min Scan# 742

Delta R.T. 0.002 min

Lab File: BE101435.D

Acq: 31 Oct 2024 16:25

Instrument :

BNA_E

ClientSampleId :

MH-3

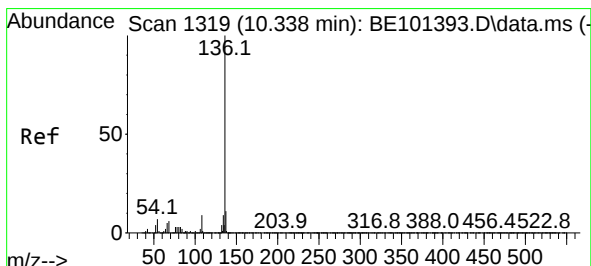
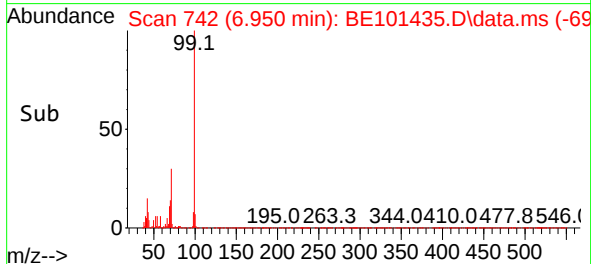
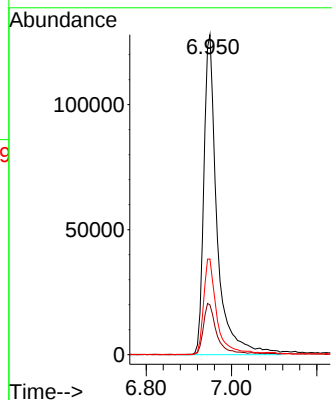
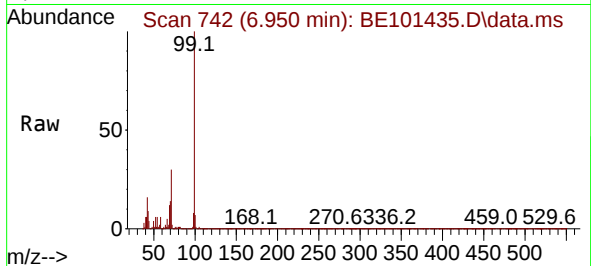
Tgt Ion: 99	Resp: 27590
Ion Ratio	Lower Upper
99 100	
42 15.6	12.3 18.5
71 29.9	23.8 35.8

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#21

Naphthalene-d8

Concen: 20.000 ng

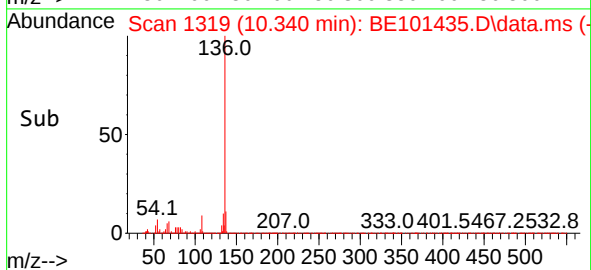
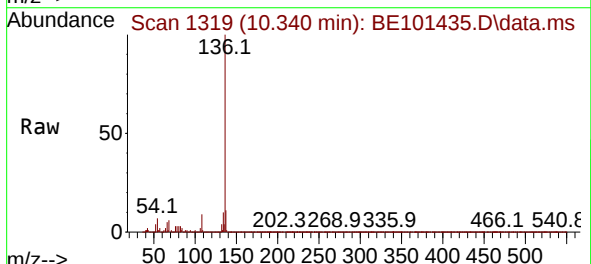
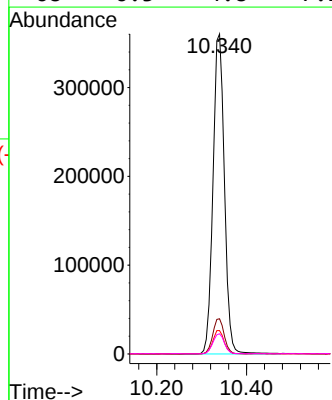
RT: 10.340 min Scan# 1319

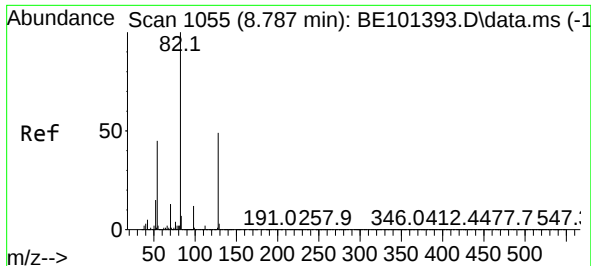
Delta R.T. 0.002 min

Lab File: BE101435.D

Acq: 31 Oct 2024 16:25

Tgt	Ion:136	Resp:	634352
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	7.3	5.9	8.9
68	6.3	4.8	7.2





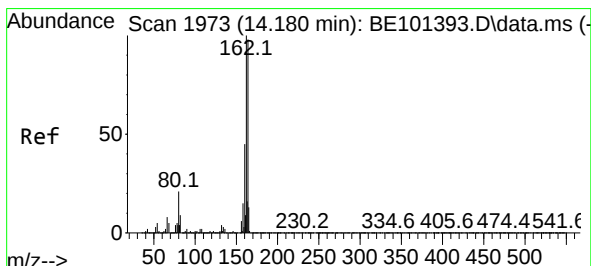
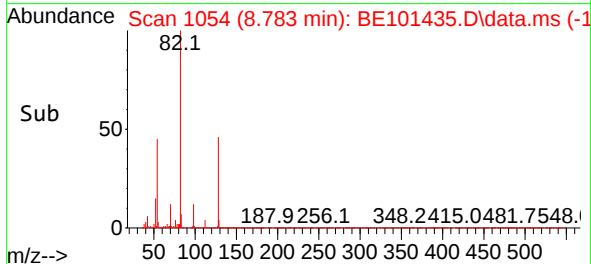
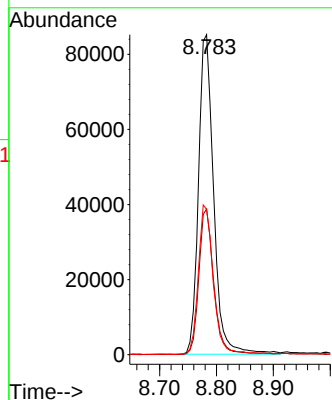
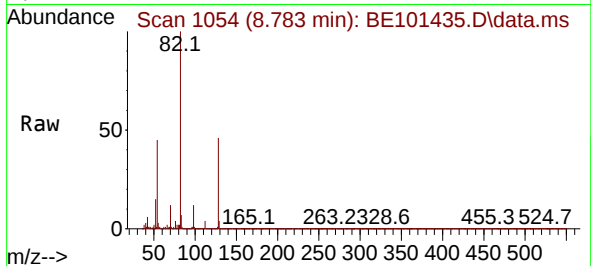
#23
Nitrobenzene-d5
Concen: 15.677 ng
RT: 8.783 min Scan# 1054
Delta R.T. -0.004 min
Lab File: BE101435.D
Acq: 31 Oct 2024 16:25

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ClientSampleId :
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Tgt Ion: 82 Resp: 158328
Ion Ratio Lower Upper
82 100
128 45.5 38.9 58.3
54 45.3 36.2 54.4

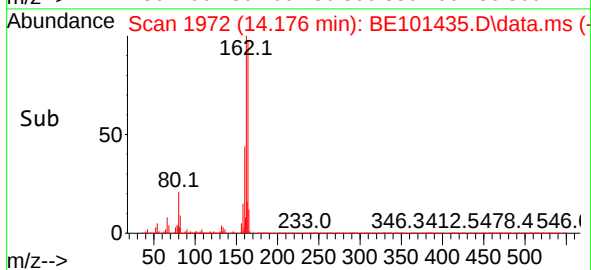
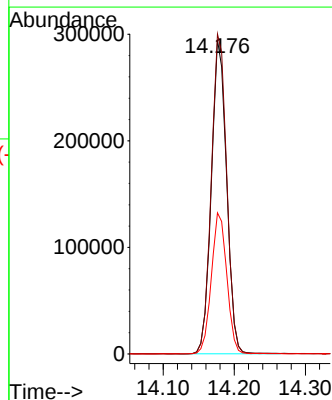
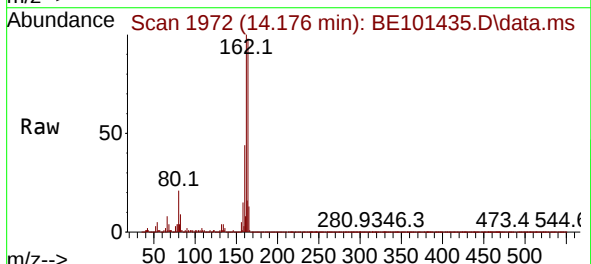
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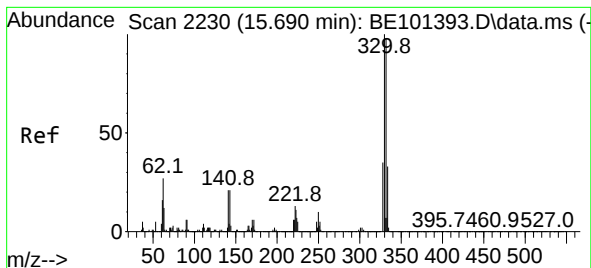
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.176 min Scan# 1972
Delta R.T. -0.004 min
Lab File: BE101435.D
Acq: 31 Oct 2024 16:25

Tgt Ion:164 Resp: 439064
Ion Ratio Lower Upper
164 100
162 101.9 81.3 121.9
160 44.9 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 25.258 ng

RT: 15.680 min Scan# 21

Delta R.T. -0.010 min

Lab File: BE101435.D

Acq: 31 Oct 2024 16:25

Instrument :

BNA_E

ClientSampleId :

MH-3

Tgt Ion:330 Resp: 194360

Ion Ratio Lower Upper

330 100

332 97.8 78.2 117.2

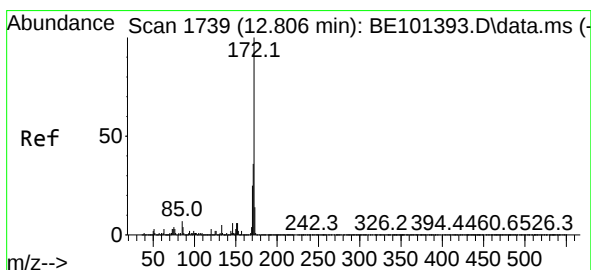
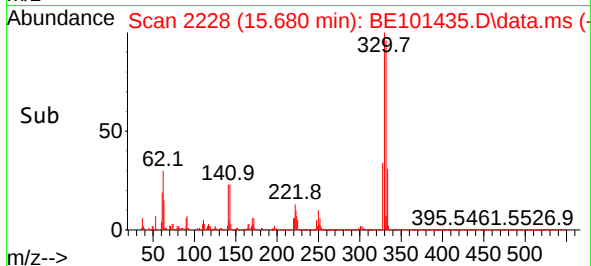
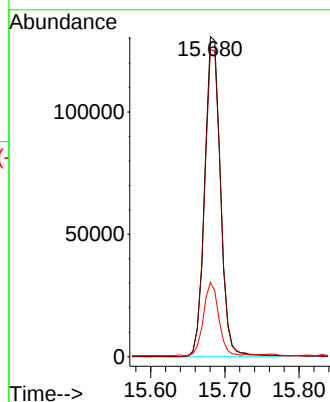
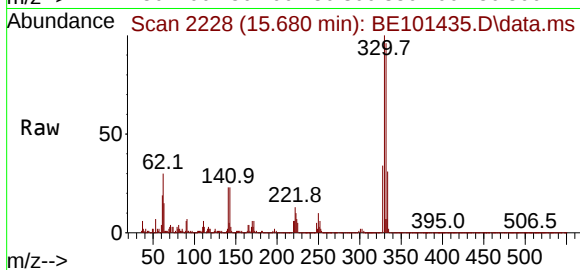
141 22.0 18.3 27.5

Manual Integrations

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#45

2-Fluorobiphenyl

Concen: 17.579 ng

RT: 12.801 min Scan# 1738

Delta R.T. -0.004 min

Lab File: BE101435.D

Acq: 31 Oct 2024 16:25

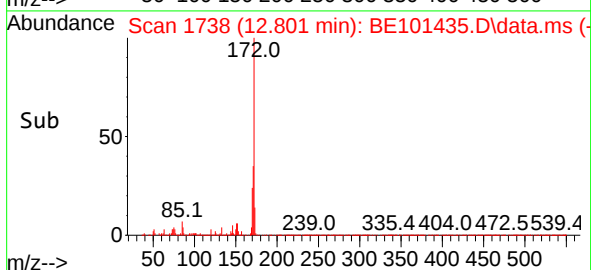
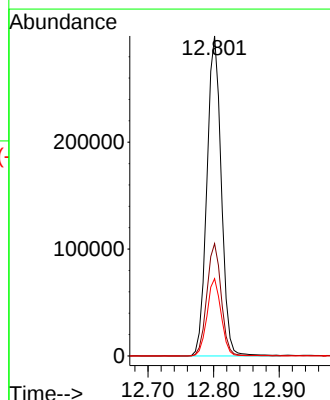
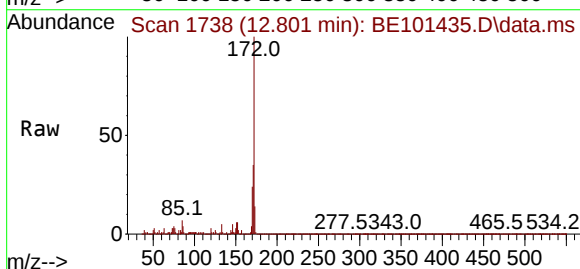
Tgt Ion:172 Resp: 455748

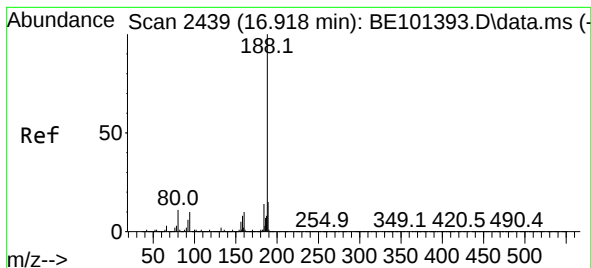
Ion Ratio Lower Upper

172 100

171 35.1 29.2 43.8

170 24.2 19.8 29.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.914 min Scan# 2439

Delta R.T. -0.004 min

Lab File: BE101435.D

Acq: 31 Oct 2024 16:25

Instrument :

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ClientSampleId :

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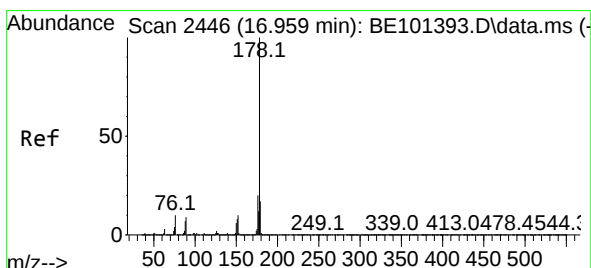
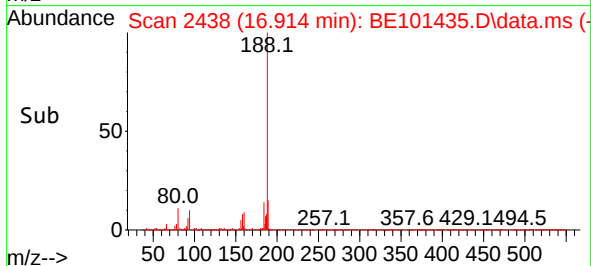
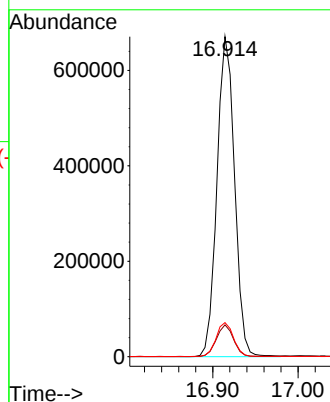
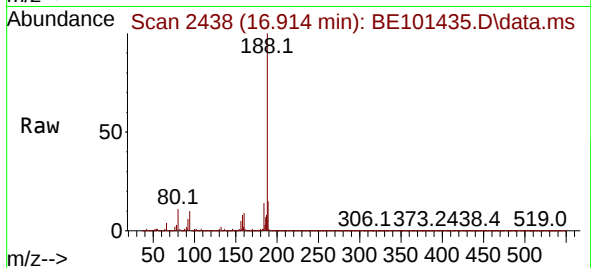
Tgt Ion:188	Resp: 96166
Ion Ratio	Lower Upper
188 100	
94 10.0	7.8 11.8
80 10.6	8.6 12.8

Manual Integrations

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Supervised By :mohammad ahmed 11/04/2024



#71

Phenanthrene

Concen: 3.188 ng

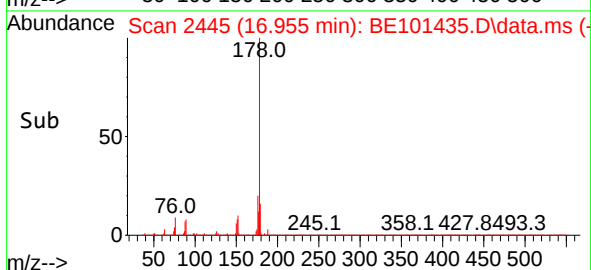
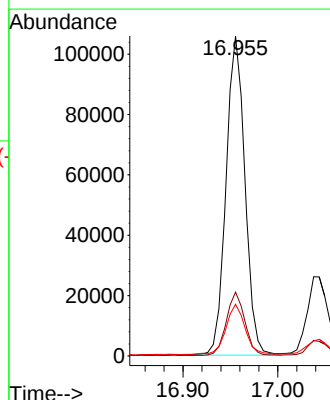
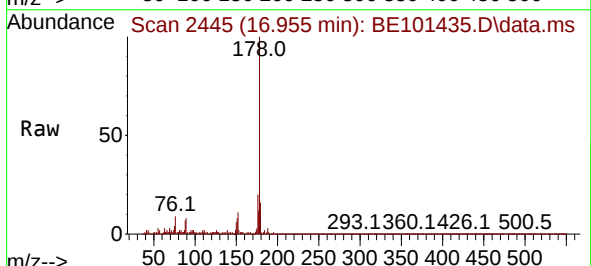
RT: 16.955 min Scan# 2445

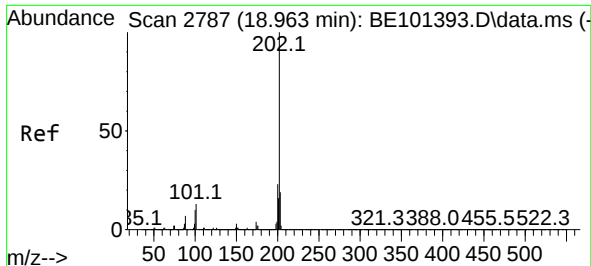
Delta R.T. -0.004 min

Lab File: BE101435.D

Acq: 31 Oct 2024 16:25

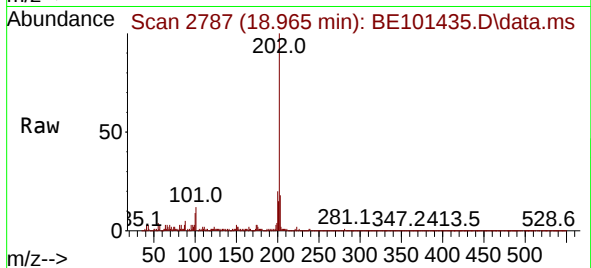
Tgt Ion:178	Resp: 146776
Ion Ratio	Lower Upper
178 100	
176 20.0	16.4 24.6
179 16.2	13.2 19.8





#75
Fluoranthene
Concen: 5.489 ng
RT: 18.965 min Scan# 21
Delta R.T. 0.002 min
Lab File: BE101435.D
Acq: 31 Oct 2024 16:25

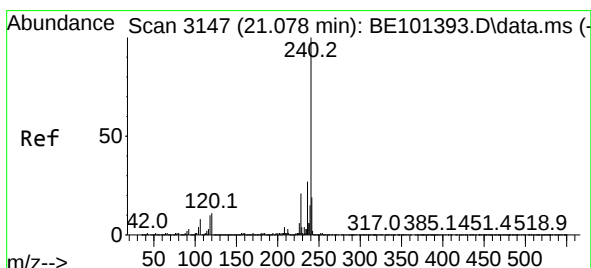
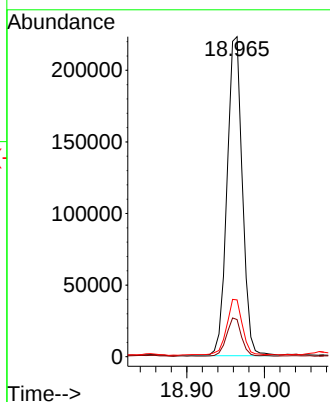
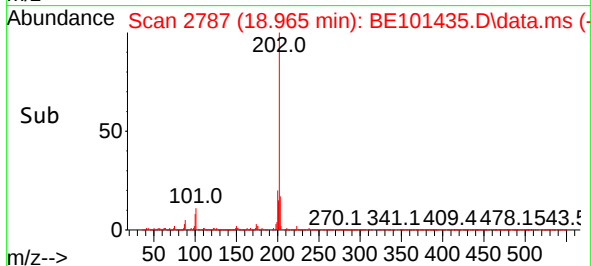
Instrument :
BNA_E
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MH-3



Tgt Ion:202 Resp: 306930
Ion Ratio Lower Upper
202 100
101 11.6 0.0 33.3
203 17.7 0.0 39.3

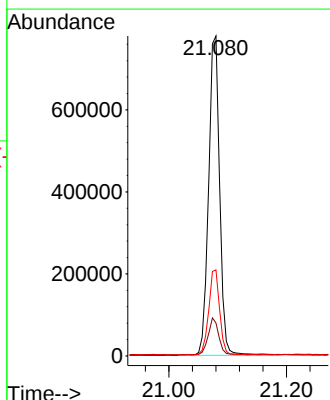
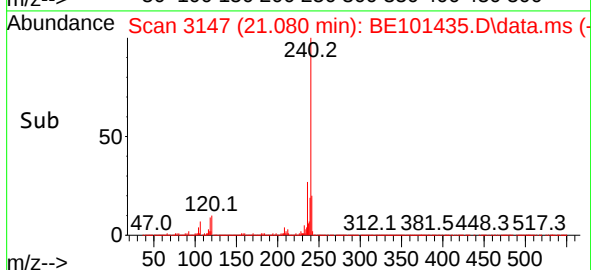
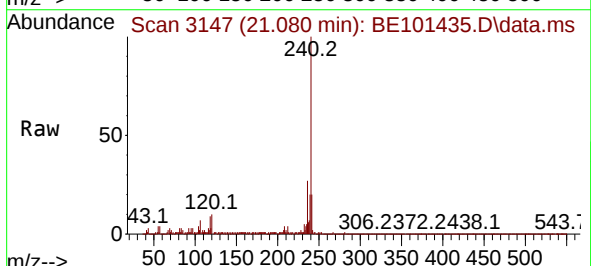
Manual Integrations
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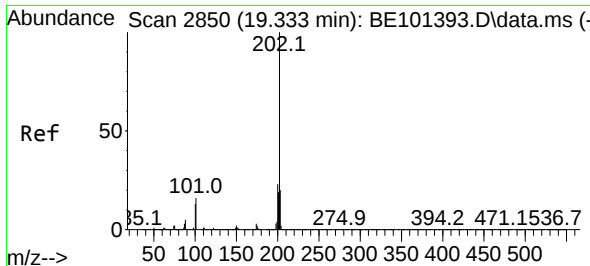
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.080 min Scan# 3147
Delta R.T. 0.002 min
Lab File: BE101435.D
Acq: 31 Oct 2024 16:25

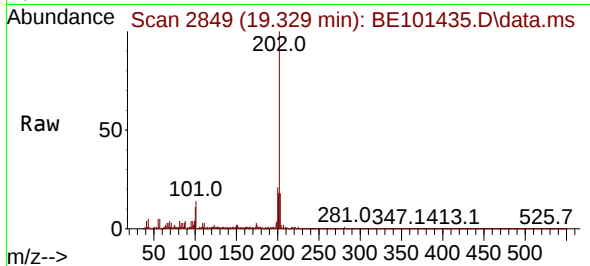
Tgt Ion:240 Resp: 1016222
Ion Ratio Lower Upper
240 100
120 10.3 9.0 13.4
236 26.9 21.4 32.0





#78
Pyrene
Concen: 5.555 ng
RT: 19.329 min Scan# 2849
Delta R.T. -0.004 min
Lab File: BE101435.D
Acq: 31 Oct 2024 16:25

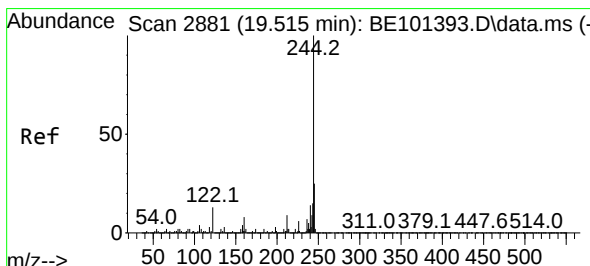
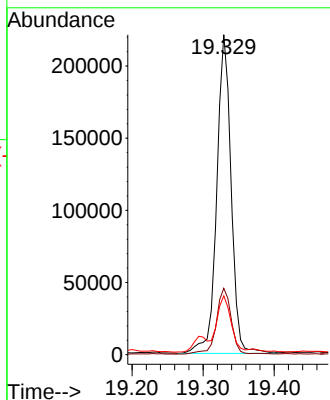
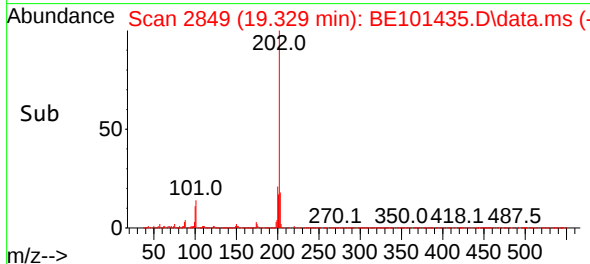
Instrument :
BNA_E
ClientSampleId :
MH-3



Tgt Ion:202 Resp: 310459
Ion Ratio Lower Upper
202 100
200 20.8 18.6 28.0
203 18.4 15.6 23.4

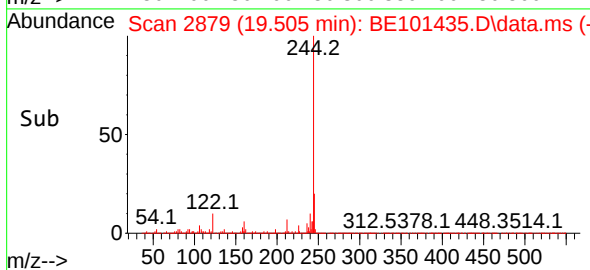
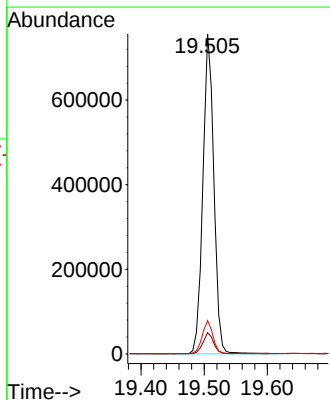
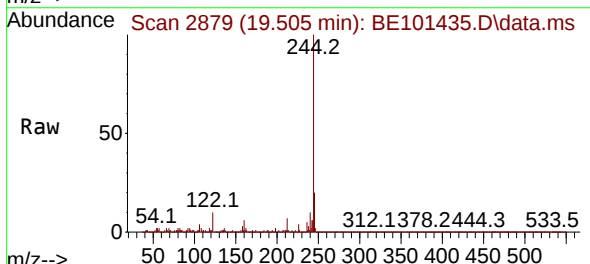
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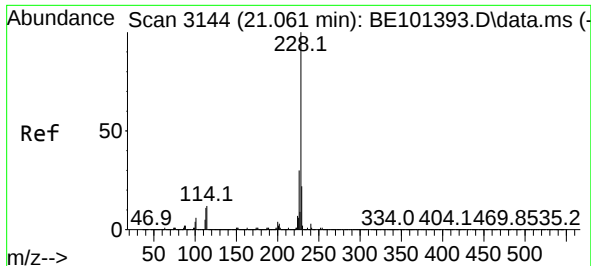
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#79
Terphenyl-d14
Concen: 20.752 ng
RT: 19.505 min Scan# 2879
Delta R.T. -0.010 min
Lab File: BE101435.D
Acq: 31 Oct 2024 16:25

Tgt Ion:244 Resp: 916274
Ion Ratio Lower Upper
244 100
212 6.6 7.2 10.8#
122 10.5 10.4 15.6





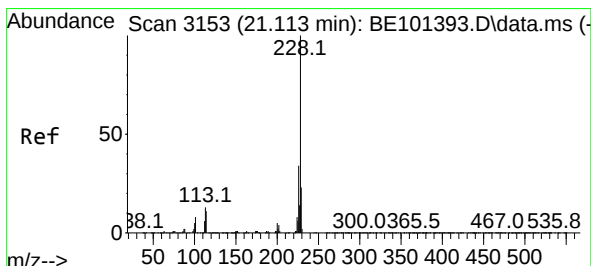
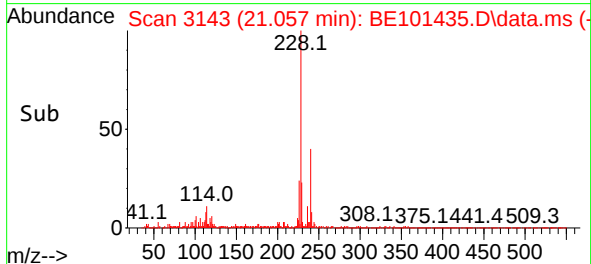
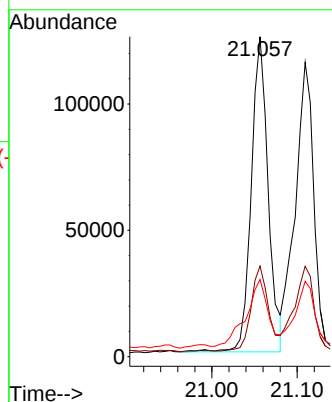
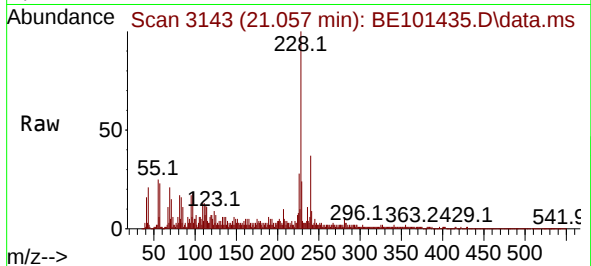
#81
Benzo(a)anthracene
Concen: 2.991 ng
RT: 21.057 min Scan# 3144
Delta R.T. -0.004 min
Lab File: BE101435.D
Acq: 31 Oct 2024 16:25

Instrument :
BNA_E
ClientSampleId :
MH-3

Tgt Ion:228 Resp: 17085
Ion Ratio Lower Upper
228 100
226 28.3 24.1 36.1
229 24.1 17.3 25.9

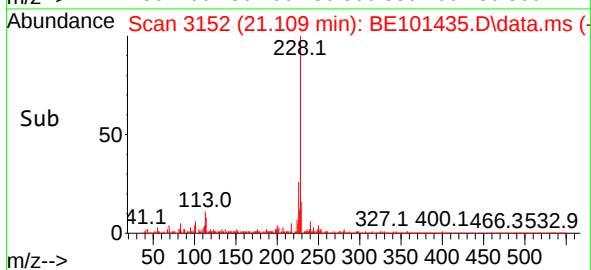
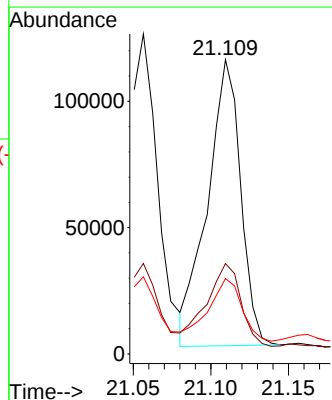
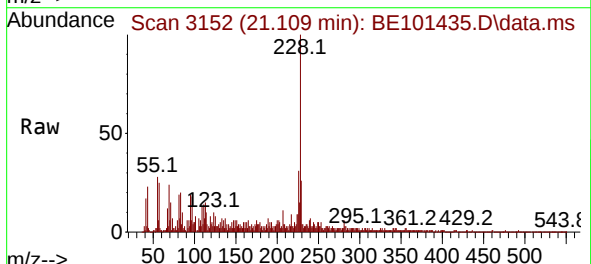
Manual Integrations
APPROVED

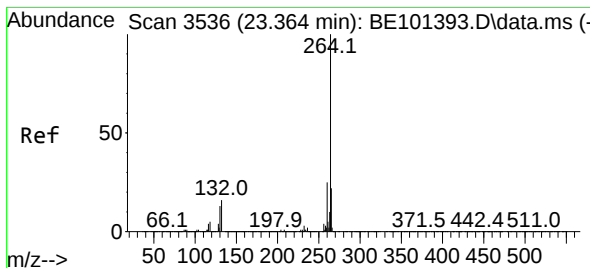
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#83
Chrysene
Concen: 3.052 ng
RT: 21.109 min Scan# 3152
Delta R.T. -0.004 min
Lab File: BE101435.D
Acq: 31 Oct 2024 16:25

Tgt Ion:228 Resp: 168573
Ion Ratio Lower Upper
228 100
226 30.7 27.2 40.8
229 25.6 18.0 27.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.371 min Scan# 3536

Delta R.T. 0.008 min

Lab File: BE101435.D

Acq: 31 Oct 2024 16:25

Instrument :

BNA_E

ClientSampleId :

MH-3

Tgt Ion:264 Resp: 1327340

Ion Ratio Lower Upper

264 100

260 24.8 19.8 29.8

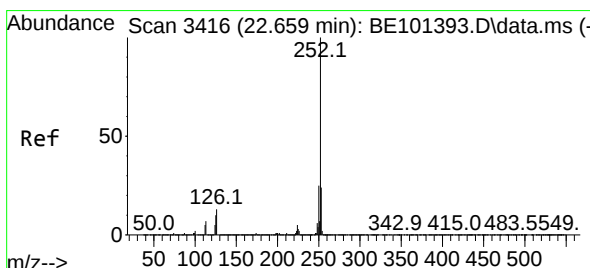
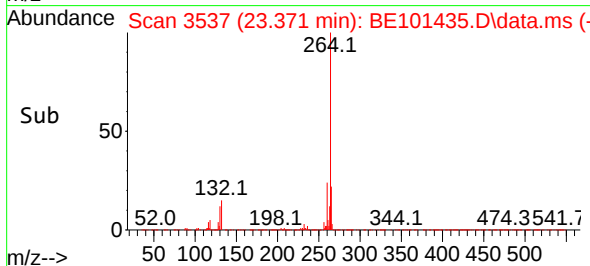
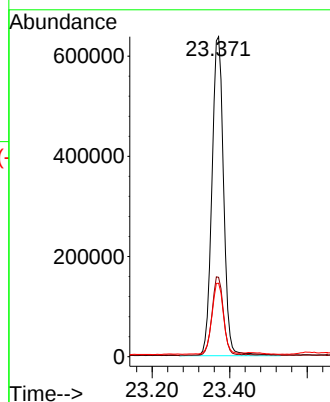
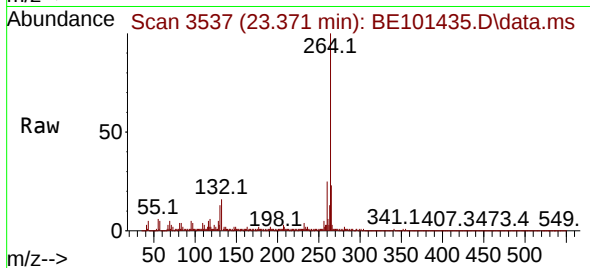
265 23.0 17.6 26.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#88

Benzo(b)fluoranthene

Concen: 2.828 ng m

RT: 22.661 min Scan# 3416

Delta R.T. 0.002 min

Lab File: BE101435.D

Acq: 31 Oct 2024 16:25

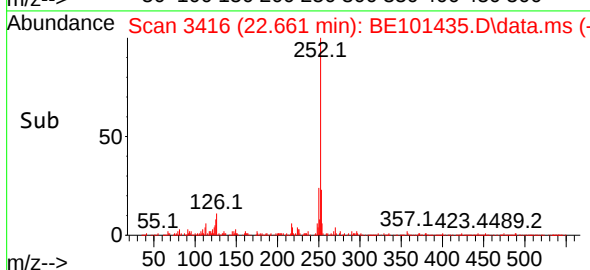
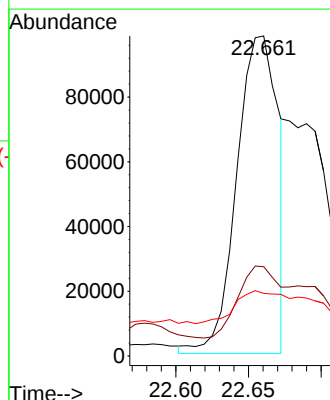
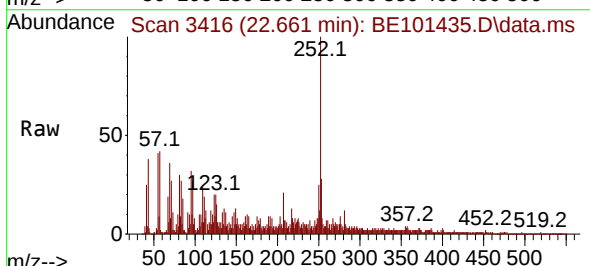
Tgt Ion:252 Resp: 195619

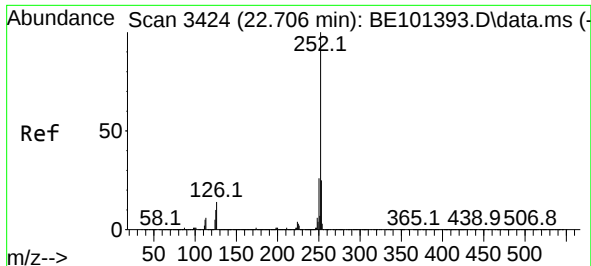
Ion Ratio Lower Upper

252 100

253 27.9 19.0 28.6

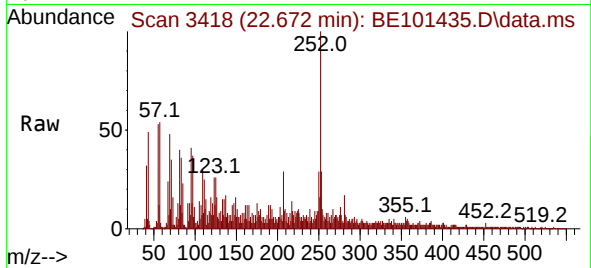
125 19.6 8.2 12.2#





#89
Benzo(k)fluoranthene
Concen: 2.283 ng m
RT: 22.672 min Scan# 3424
Delta R.T. -0.033 min
Lab File: BE101435.D
Acq: 31 Oct 2024 16:25

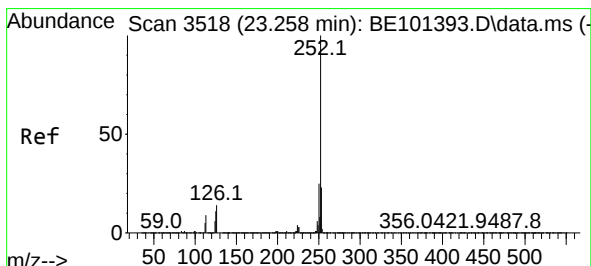
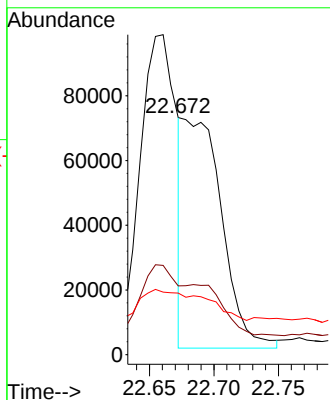
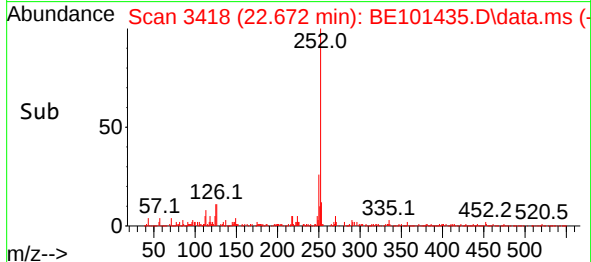
Instrument :
BNA_E
ClientSampleId :
MH-3



Tgt Ion:252 Resp: 147514
Ion Ratio Lower Upper
252 100
253 29.0 19.4 29.2
125 26.0 8.2 12.2

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



#90
Benzo(a)pyrene
Concen: 2.990 ng
RT: 23.254 min Scan# 3517
Delta R.T. -0.004 min
Lab File: BE101435.D
Acq: 31 Oct 2024 16:25

Tgt Ion:252 Resp: 180907
Ion Ratio Lower Upper
252 100
253 27.8 18.4 27.6#
125 20.3 9.0 13.6#

