

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
 Data File : BE101490.D
 Acq On : 5 Nov 2024 21:38
 Operator : RC/JU
 Sample : P4685-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OK-01-11012024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/06/2024
 Supervised By :mohammad ahmed 11/06/2024

Quant Time: Nov 06 00:04:43 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	7.570	152	80012	20.000	ng	0.00
21) Naphthalene-d8	10.343	136	356354	20.000	ng	0.00
39) Acenaphthene-d10	14.180	164	233022	20.000	ng	0.00
64) Phenanthrene-d10	16.918	188	472252	20.000	ng	0.00
76) Chrysene-d12	21.084	240	424778	20.000	ng	0.00
86) Perylene-d12	23.381	264	566620	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.326	112	90370	19.796	ng	0.00
7) Phenol-d6	6.959	99	114687	18.118	ng	0.01
23) Nitrobenzene-d5	8.780	82	66648	11.747	ng	0.00
42) 2,4,6-Tribromophenol	15.690	330	72576	17.770	ng	0.00
45) 2-Fluorobiphenyl	12.805	172	196301	14.267	ng	0.00
79) Terphenyl-d14	19.509	244	346556	18.777	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	16.959	178	110394	4.882	ng	98
72) Anthracene	17.047	178	47019	2.130	ng	98
75) Fluoranthene	18.969	202	410357	14.942	ng	96
78) Pyrene	19.339	202	425914	18.233	ng	96
81) Benzo(a)anthracene	21.060	228	284492	11.916	ng	97
83) Chrysene	21.119	228	264209	11.445	ng	96
88) Benzo(b)fluoranthene	22.664	252	345751	11.709	ng	# 78
89) Benzo(k)fluoranthene	22.699	252	212022m	7.685	ng	
90) Benzo(a)pyrene	23.269	252	339223	13.136	ng	# 82
91) Dibenzo(a,h)anthracene	25.702	278	71789	2.291	ng	# 37
92) Benzo(g,h,i)perylene	26.472	276	266939	8.268	ng	93

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

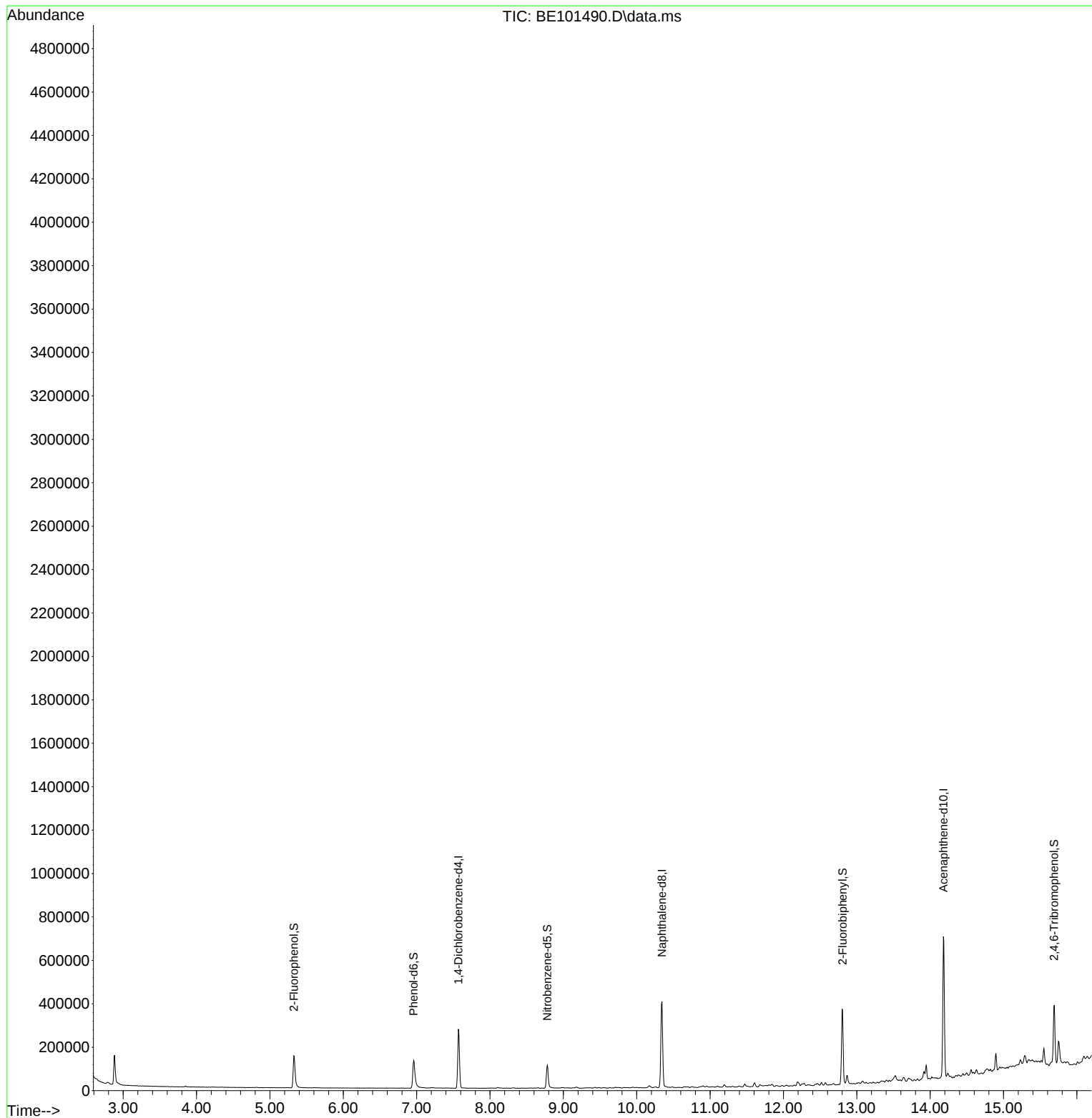
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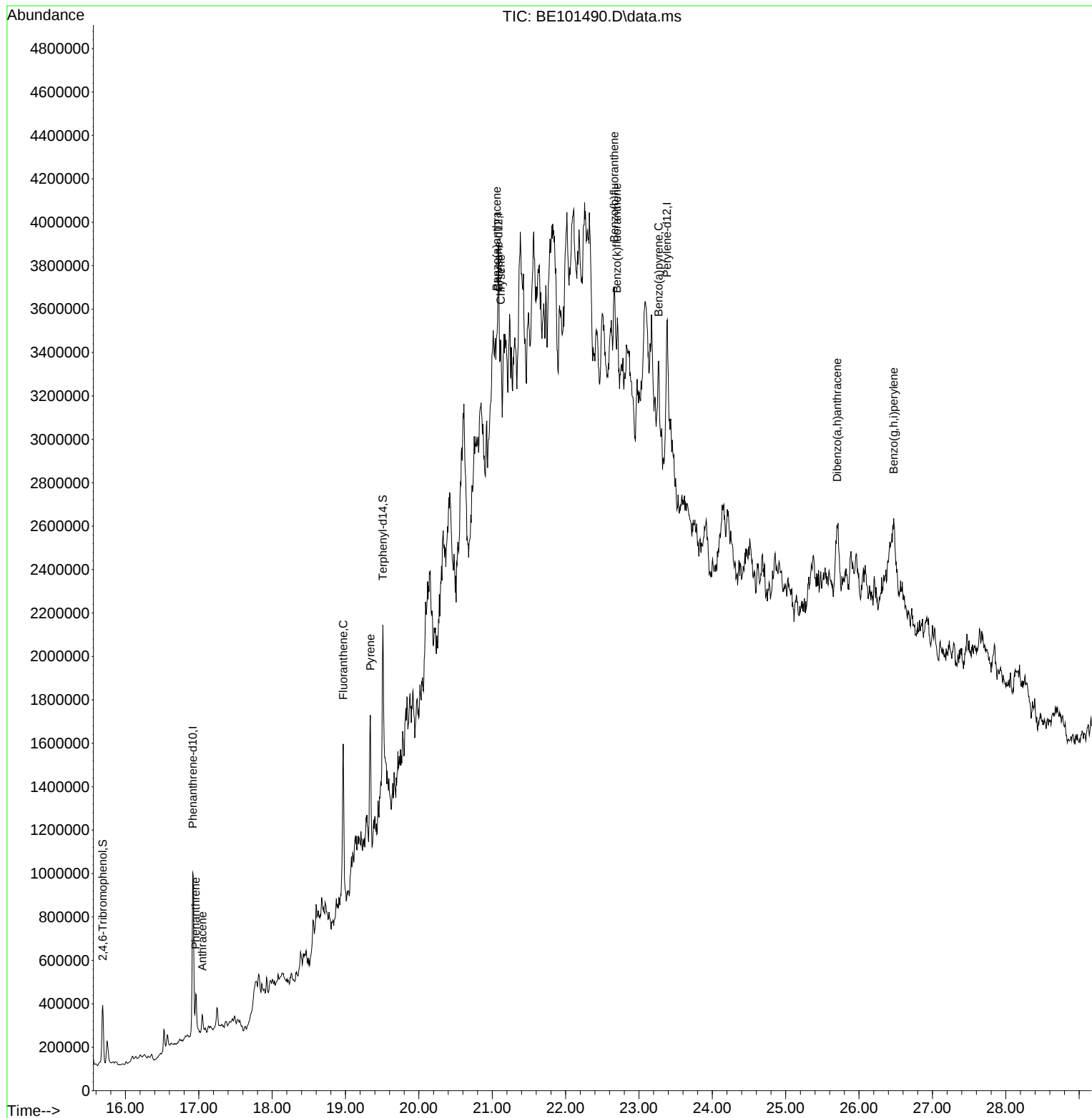
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ALS Vial : 20 Sample Multiplier: 1

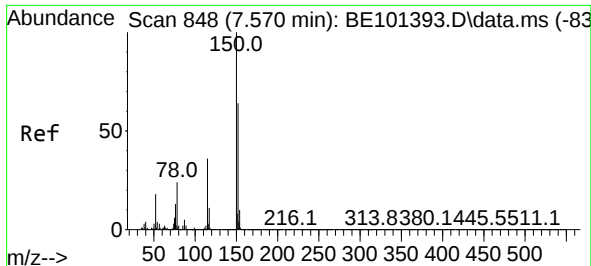
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BNA_E
ClientSampleId :
OK-01-11012024

Quant Time: Nov 06 00:04:43 2024
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.570 min Scan# 848
Delta R.T. 0.000 min
Lab File: BE101490.D
Acq: 5 Nov 2024 21:38

Instrument :

BNA_E

ClientSampleId :

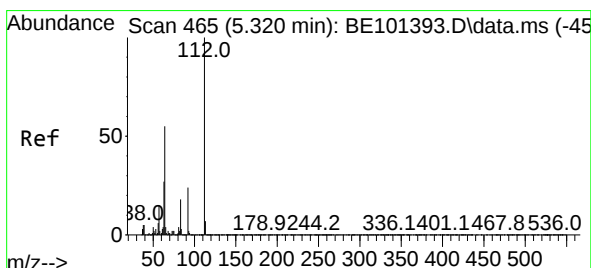
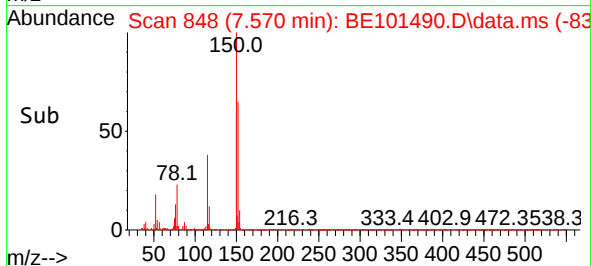
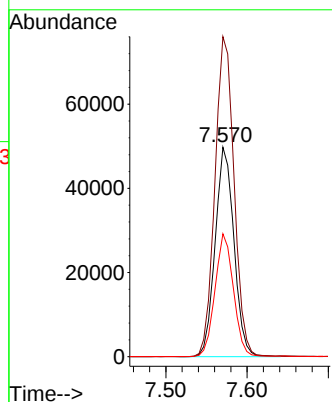
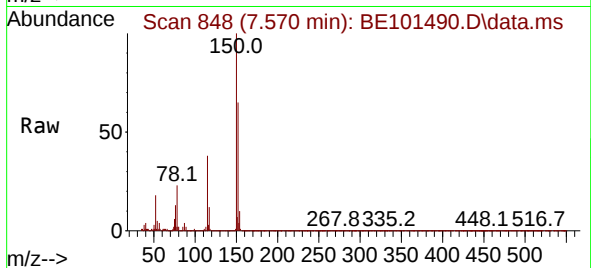
OK-01-11012024

Tgt Ion:152 Resp: 8001
Ion Ratio Lower Upper
152 100
150 152.8 124.2 186.4
115 58.7 45.3 67.9

Manual Integrations

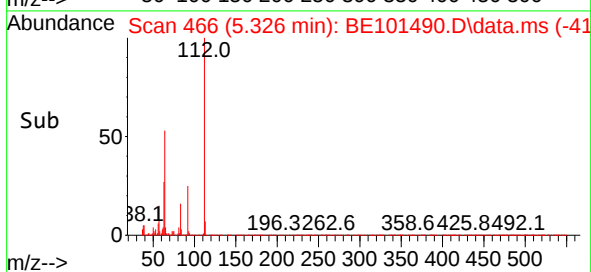
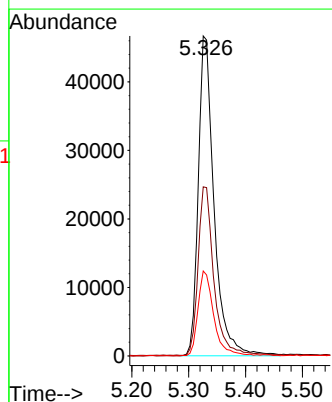
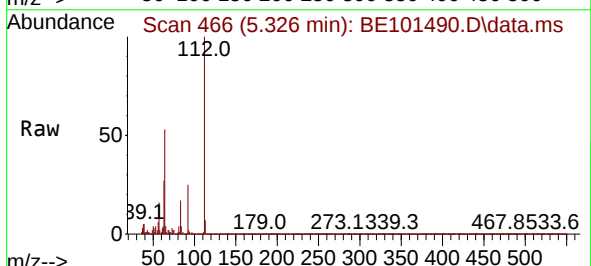
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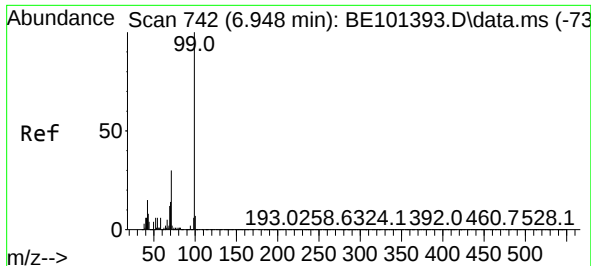
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#5
2-Fluorophenol
Concen: 19.796 ng
RT: 5.326 min Scan# 466
Delta R.T. 0.006 min
Lab File: BE101490.D
Acq: 5 Nov 2024 21:38

Tgt Ion:112 Resp: 90370
Ion Ratio Lower Upper
112 100
64 52.9 43.7 65.5
63 26.5 21.4 32.2





#7

Phenol-d6

Concen: 18.118 ng

RT: 6.959 min Scan# 74

Delta R.T. 0.011 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

Instrument :

BNA_E

ClientSampleId :

OK-01-11012024

Tgt Ion: 99 Resp: 11468

Ion Ratio Lower Upper

99 100

42 16.1 12.3 18.5

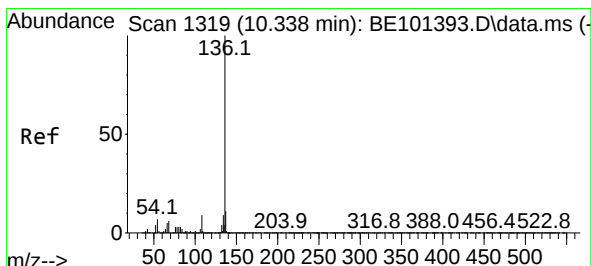
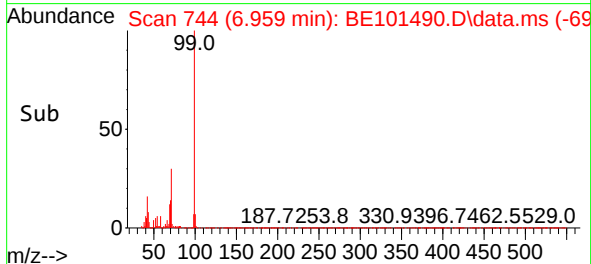
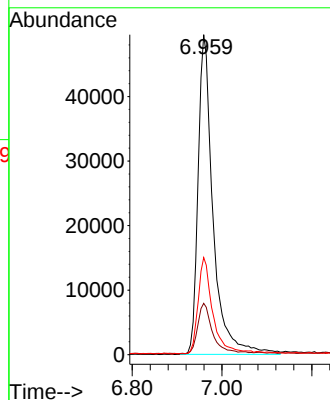
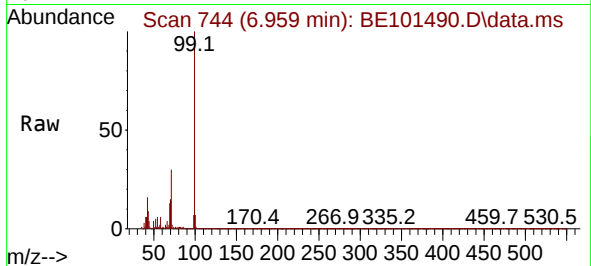
71 30.3 23.8 35.8

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.343 min Scan# 1320

Delta R.T. 0.006 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

Tgt Ion:136 Resp: 356354

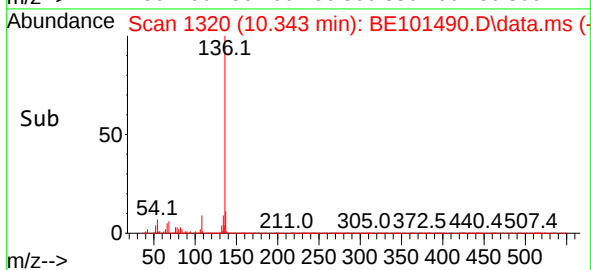
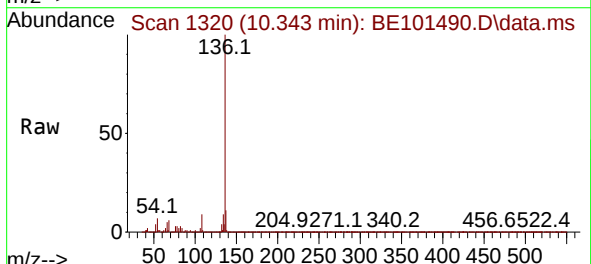
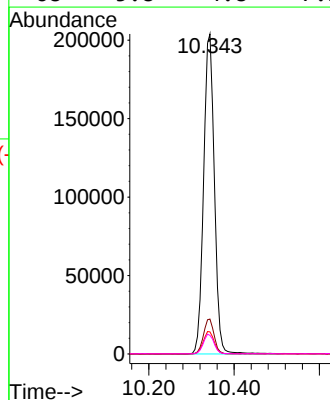
Ion Ratio Lower Upper

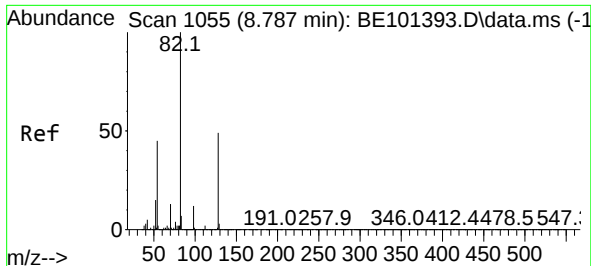
136 100

137 10.9 9.0 13.6

54 6.9 5.9 8.9

68 5.8 4.8 7.2





#23
Nitrobenzene-d5
Concen: 11.747 ng
RT: 8.780 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BE101490.D
Acq: 5 Nov 2024 21:38

Instrument :

BNA_E

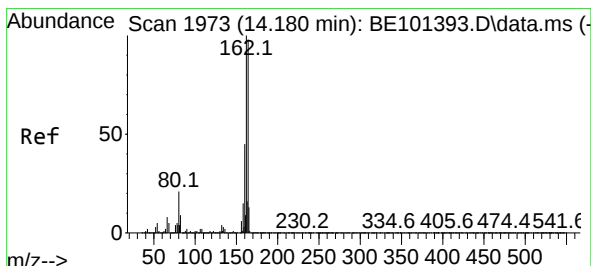
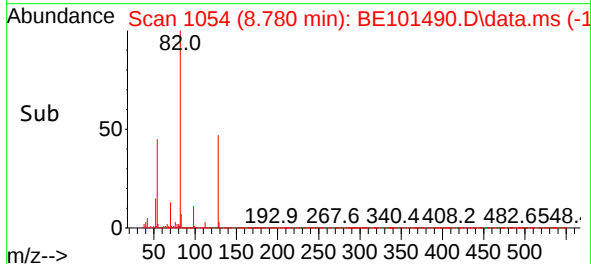
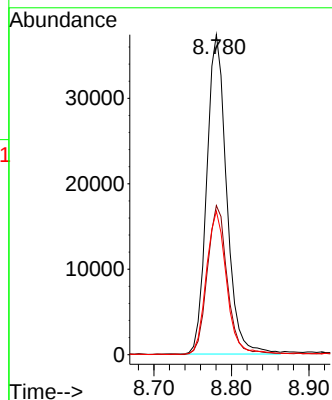
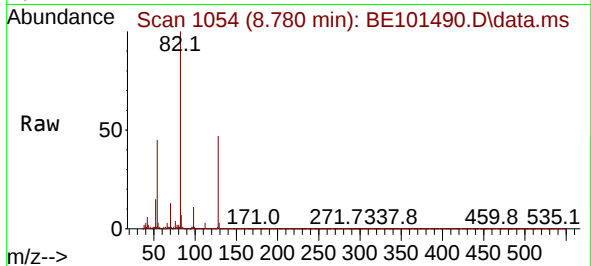
ClientSampleId :

OK-01-11012024

Tgt Ion: 82 Resp: 66648
Ion Ratio Lower Upper
82 100
128 46.6 38.9 58.3
54 44.9 36.2 54.4

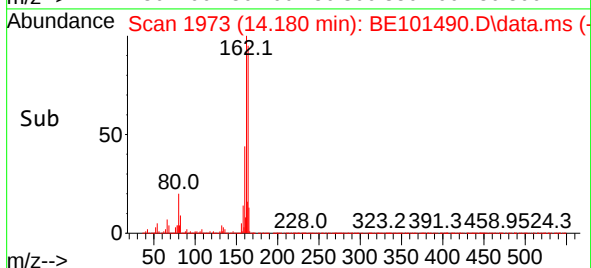
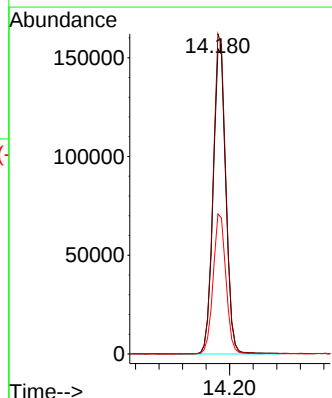
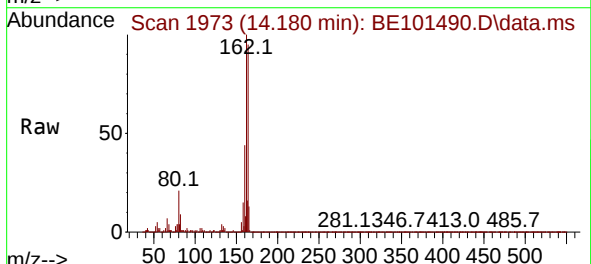
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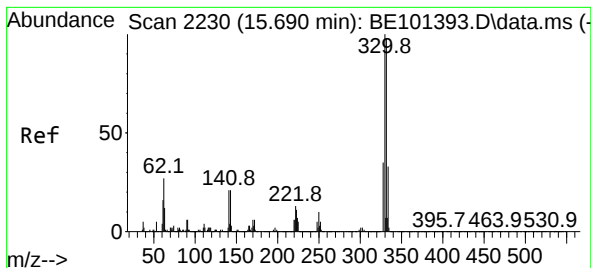
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.180 min Scan# 1973
Delta R.T. -0.000 min
Lab File: BE101490.D
Acq: 5 Nov 2024 21:38

Tgt Ion:164 Resp: 233022
Ion Ratio Lower Upper
164 100
162 104.9 81.3 121.9
160 45.9 36.4 54.6





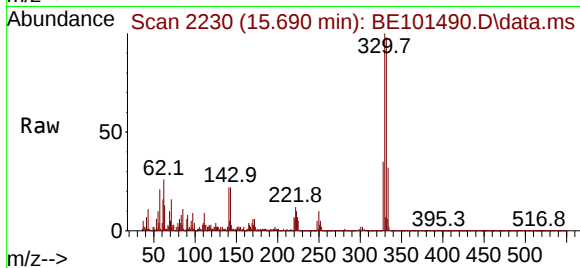
#42
2,4,6-Tribromophenol
Concen: 17.770 ng
RT: 15.690 min Scan# 21
Delta R.T. -0.000 min
Lab File: BE101490.D
Acq: 5 Nov 2024 21:38

Instrument :

BNA_E

ClientSampleId :

OK-01-11012024



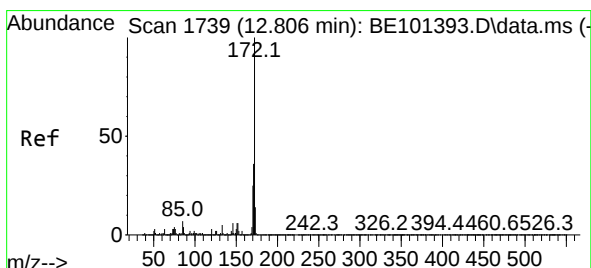
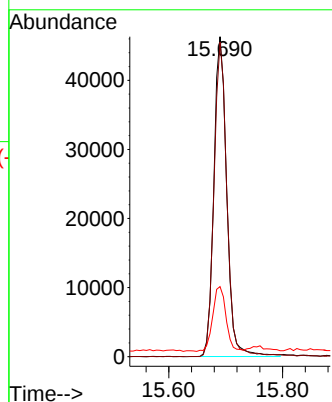
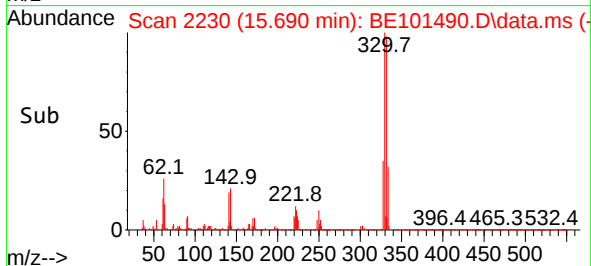
Tgt Ion:330 Resp: 72570
Ion Ratio Lower Upper
330 100
332 98.0 78.2 117.2
141 20.8 18.3 27.5

Manual Integrations

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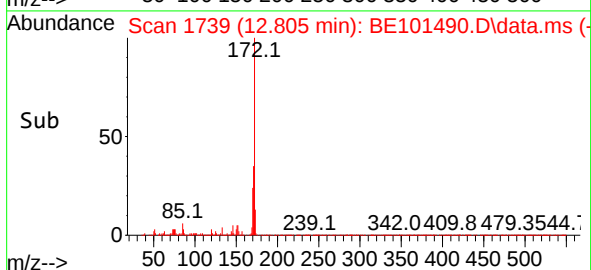
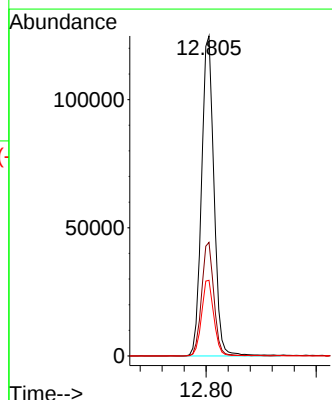
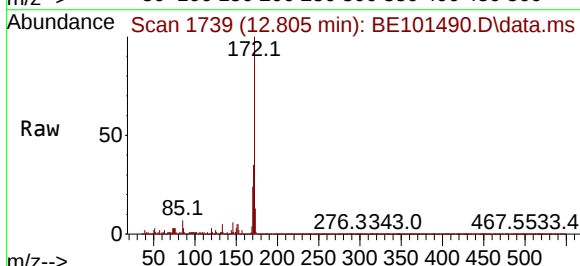
Reviewed By :Yogesh Patel 11/06/2024

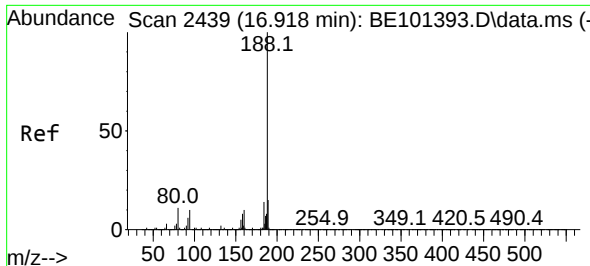
Supervised By :mohammad ahmed 11/06/2024



#45
2-Fluorobiphenyl
Concen: 14.267 ng
RT: 12.805 min Scan# 1739
Delta R.T. -0.000 min
Lab File: BE101490.D
Acq: 5 Nov 2024 21:38

Tgt Ion:172 Resp: 196301
Ion Ratio Lower Upper
172 100
171 35.5 29.2 43.8
170 23.7 19.8 29.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.918 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BE101490.D
Acq: 5 Nov 2024 21:38

Instrument :

BNA_E

ClientSampleId :

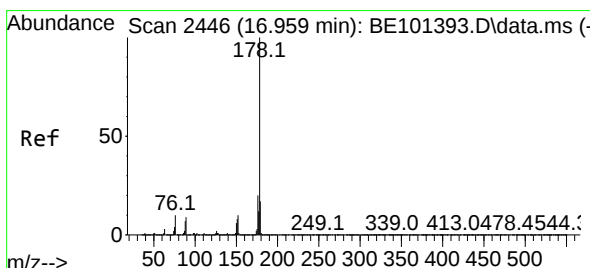
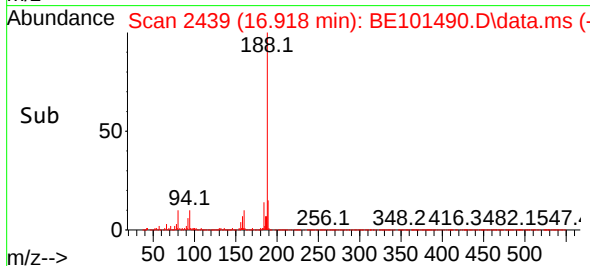
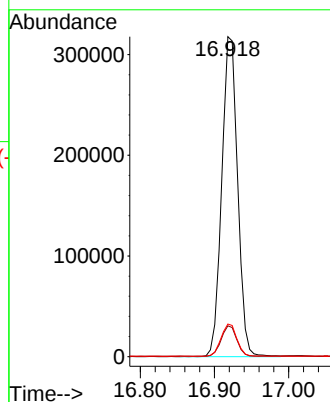
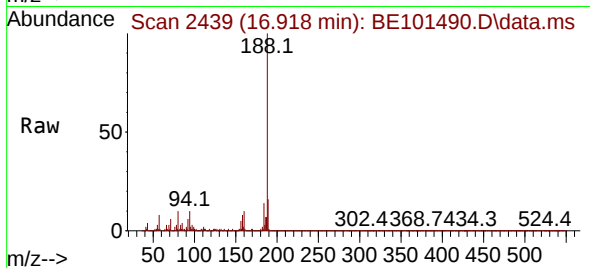
OK-01-11012024

Tgt Ion:188 Resp: 472252
Ion Ratio Lower Upper
188 100
94 9.6 7.8 11.8
80 10.2 8.6 12.8

Manual Integrations

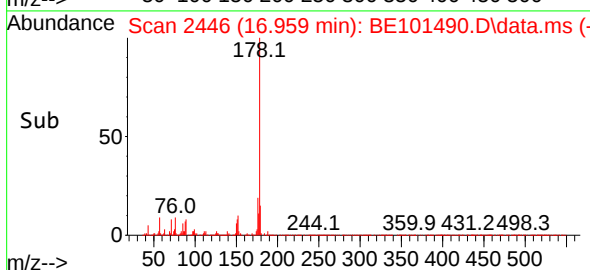
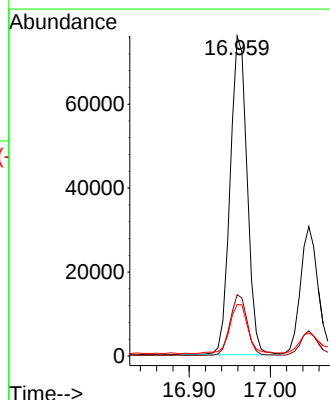
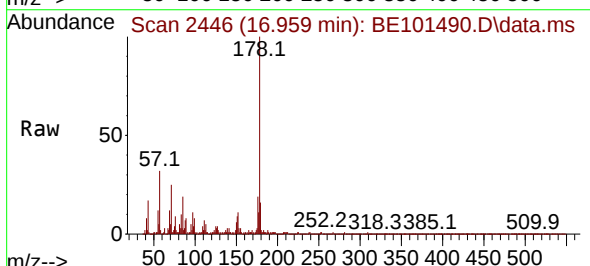
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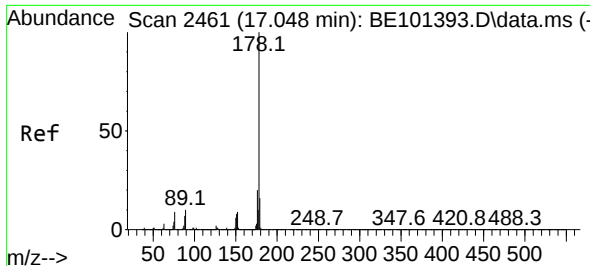
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#71
Phenanthrene
Concen: 4.882 ng
RT: 16.959 min Scan# 2446
Delta R.T. -0.000 min
Lab File: BE101490.D
Acq: 5 Nov 2024 21:38

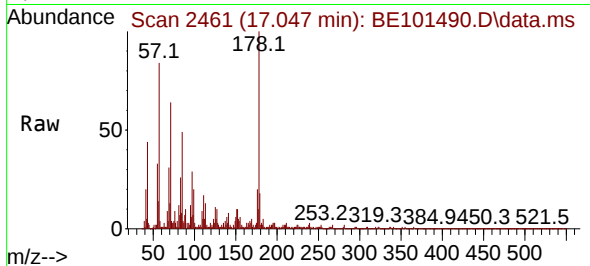
Tgt Ion:178 Resp: 110394
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 16.1 13.2 19.8





#72
 Anthracene
 Concen: 2.130 ng
 RT: 17.047 min Scan# 2461
 Delta R.T. -0.000 min
 Lab File: BE101490.D
 Acq: 5 Nov 2024 21:38

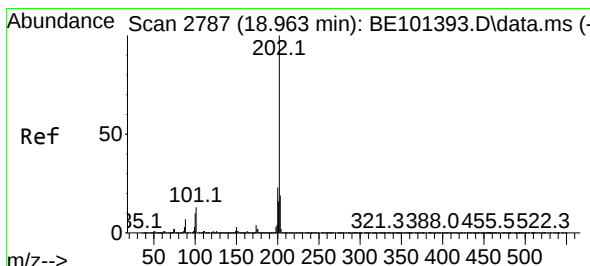
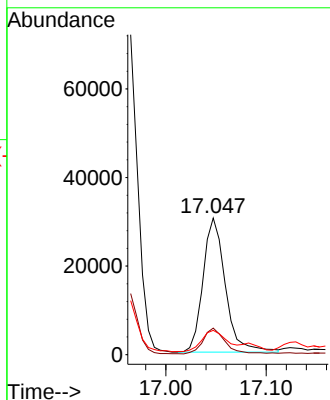
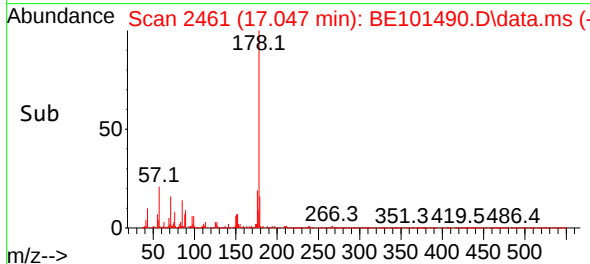
Instrument :
 BNA_E
 ClientSampleId :
 OK-01-11012024



Tgt Ion:178 Resp: 47019
 Ion Ratio Lower Upper
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 176 19.5 15.9 23.9
 179 17.8 13.1 19.7

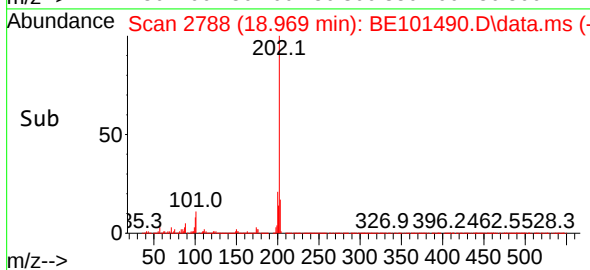
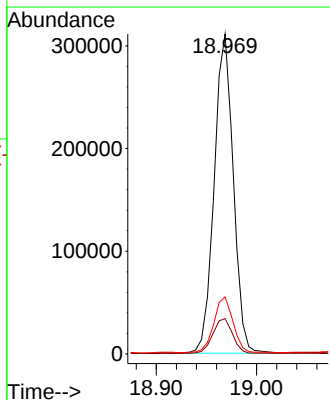
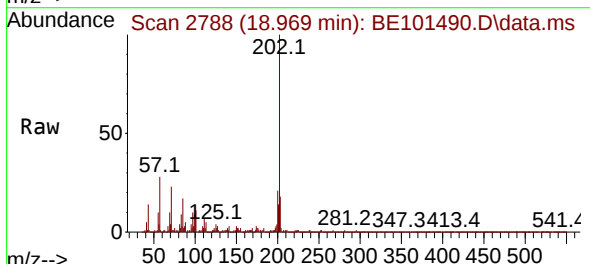
Manual Integrations
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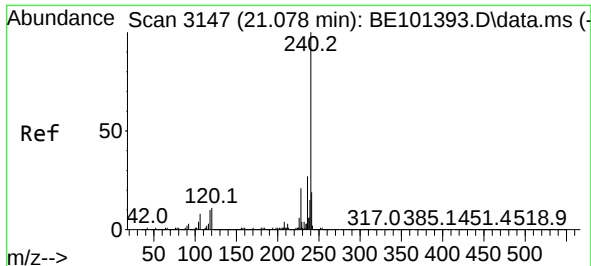
Reviewed By :Yogesh Patel 11/06/2024
 Supervised By :mohammad ahmed 11/06/2024



#75
 Fluoranthene
 Concen: 14.942 ng
 RT: 18.969 min Scan# 2788
 Delta R.T. 0.006 min
 Lab File: BE101490.D
 Acq: 5 Nov 2024 21:38

Tgt Ion:202 Resp: 410357
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 33.3
 203 17.8 0.0 39.3





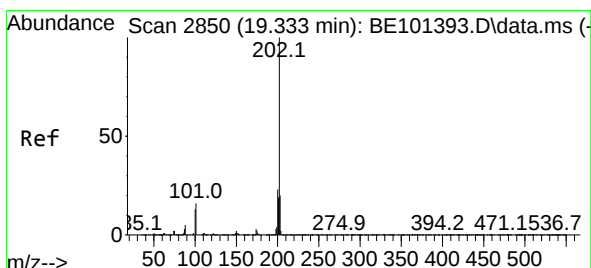
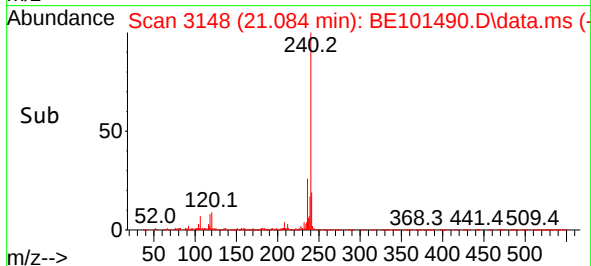
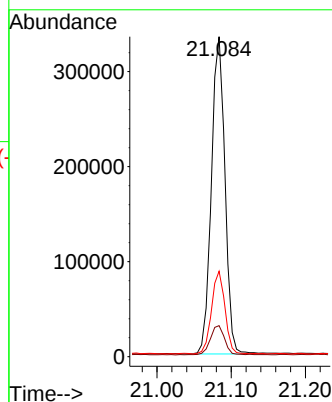
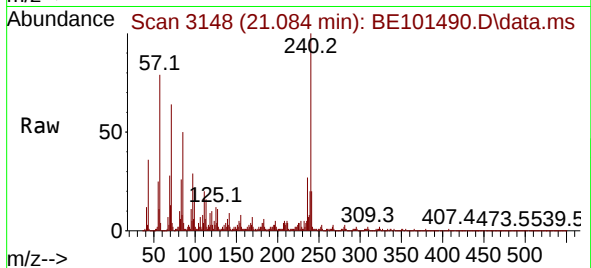
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.084 min Scan# 3147
Delta R.T. 0.006 min
Lab File: BE101490.D
Acq: 5 Nov 2024 21:38

Instrument :
BNA_E
ClientSampleId :
OK-01-11012024

Tgt Ion:240 Resp: 424778
Ion Ratio Lower Upper
240 100
120 9.7 9.0 13.4
236 26.7 21.4 32.0

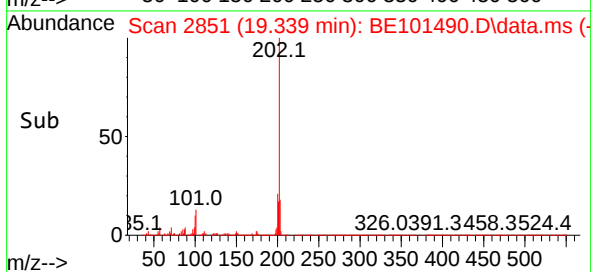
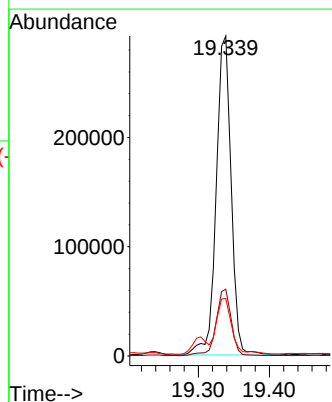
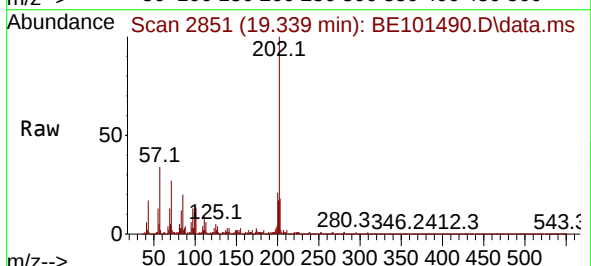
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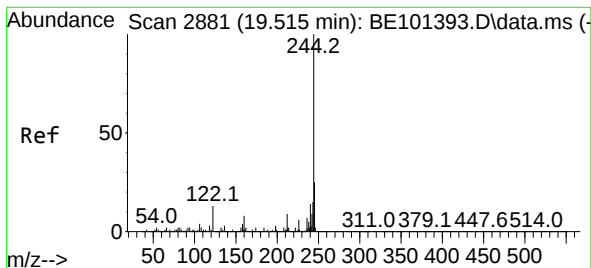
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



#78
Pyrene
Concen: 18.233 ng
RT: 19.339 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BE101490.D
Acq: 5 Nov 2024 21:38

Tgt Ion:202 Resp: 425914
Ion Ratio Lower Upper
202 100
200 20.9 18.6 28.0
203 18.0 15.6 23.4





#79

Terphenyl-d14

Concen: 18.777 ng

RT: 19.509 min Scan# 2880

Delta R.T. -0.006 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

Instrument :

BNA_E

ClientSampleId :

OK-01-11012024

Tgt Ion:244 Resp: 346550

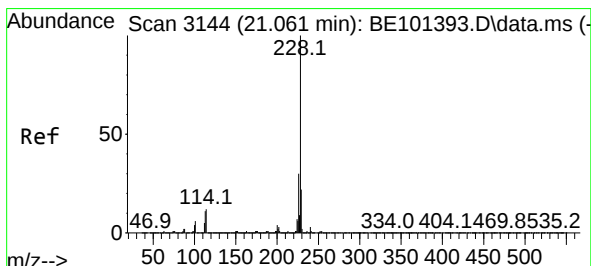
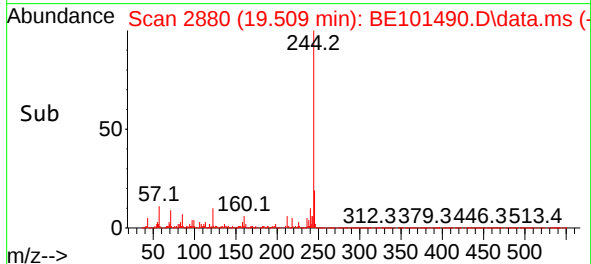
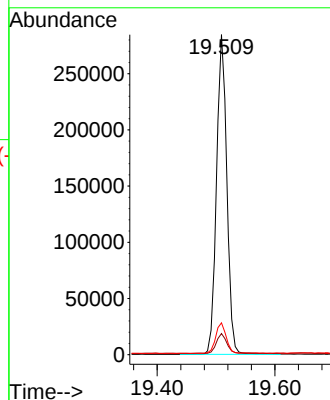
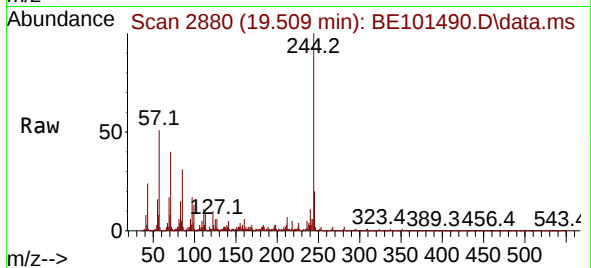
Ion	Ratio	Lower	Upper
244	100		
212	6.6	7.2	10.8
122	9.9	10.4	15.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#81

Benzo(a)anthracene

Concen: 11.916 ng

RT: 21.060 min Scan# 3144

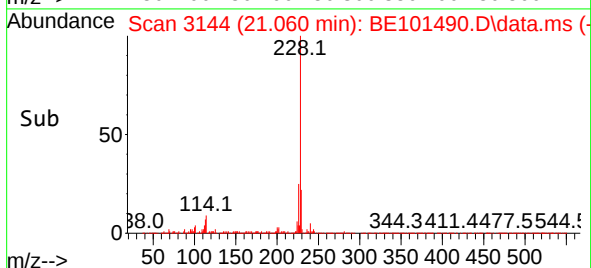
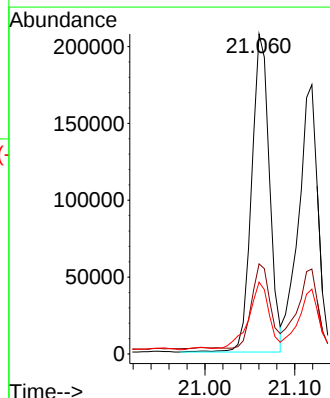
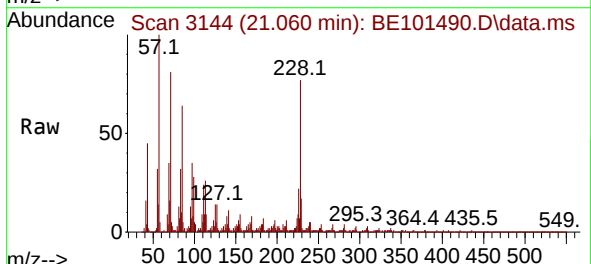
Delta R.T. -0.000 min

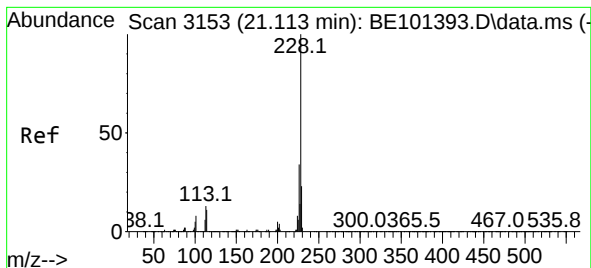
Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

Tgt Ion:228 Resp: 284492

Ion	Ratio	Lower	Upper
228	100		
226	28.2	24.1	36.1
229	22.4	17.3	25.9





#83

Chrysene

Concen: 11.445 ng

RT: 21.119 min Scan# 3153

Delta R.T. 0.006 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

Instrument :

BNA_E

ClientSampleId :

OK-01-11012024

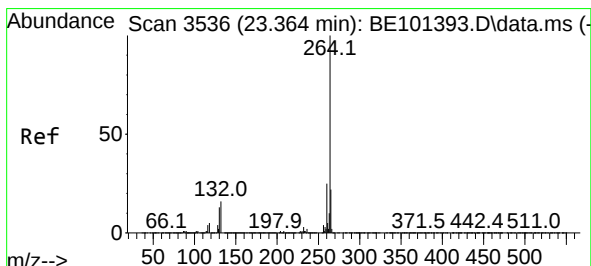
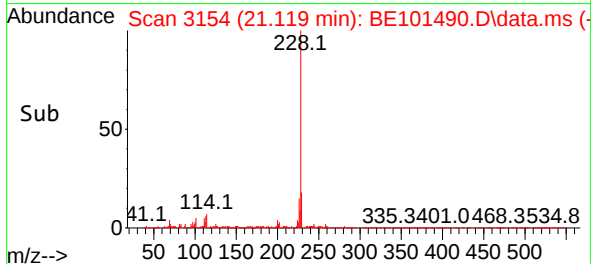
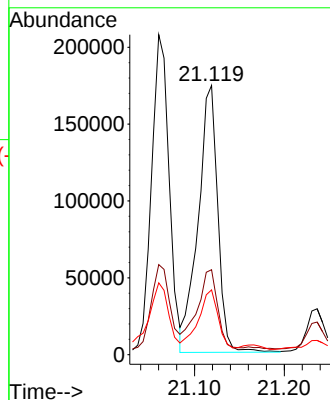
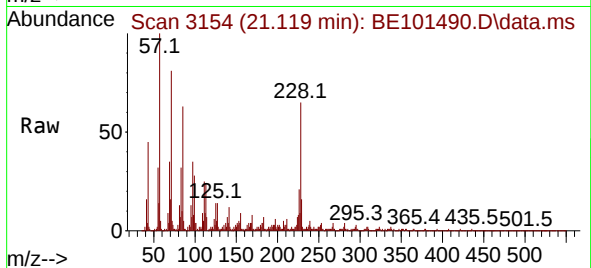
Tgt Ion:	228	Resp:	264209
Ion Ratio	Lower	Upper	
228	100		
226	31.6	27.2	40.8
229	24.1	18.0	27.0

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Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#86

Perylene-d12

Concen: 20.000 ng

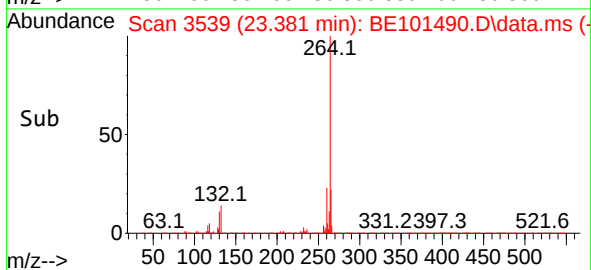
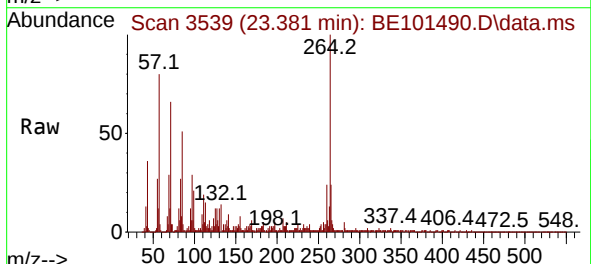
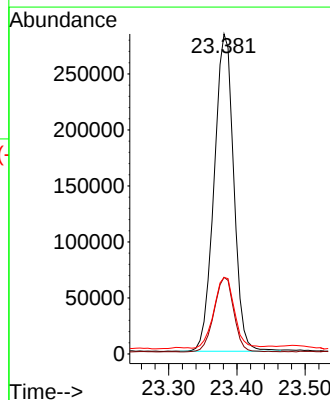
RT: 23.381 min Scan# 3539

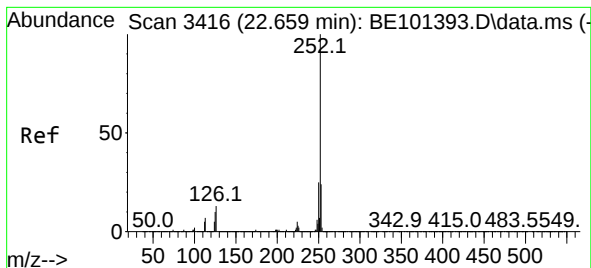
Delta R.T. 0.017 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

Tgt Ion:	264	Resp:	566620
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.8	29.8
265	23.9	17.6	26.4





#88

Benzo(b)fluoranthene

Concen: 11.709 ng

RT: 22.664 min Scan# 3416

Delta R.T. 0.006 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

Instrument :

BNA_E

ClientSampleId :

OK-01-11012024

Tgt Ion:252 Resp: 34575

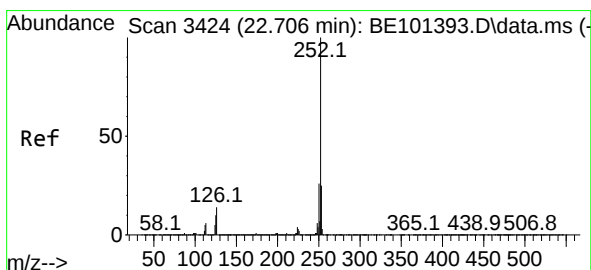
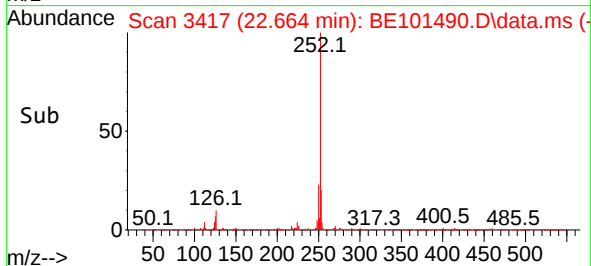
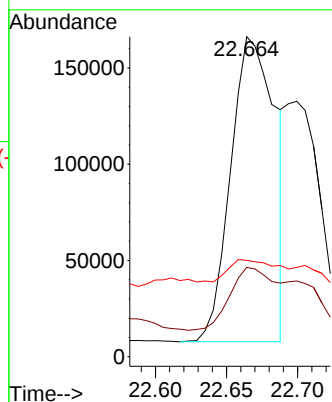
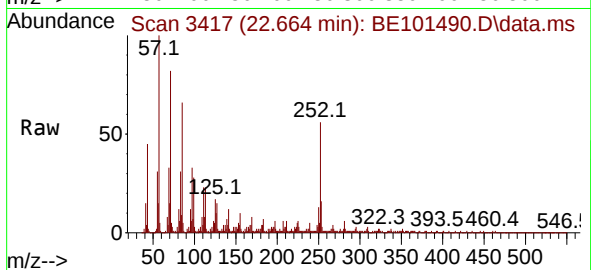
Ion	Ratio	Lower	Upper
252	100		
253	27.9	19.0	28.6
125	30.1	8.2	12.2

Manual Integrations

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Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#89

Benzo(k)fluoranthene

Concen: 7.685 ng m

RT: 22.699 min Scan# 3423

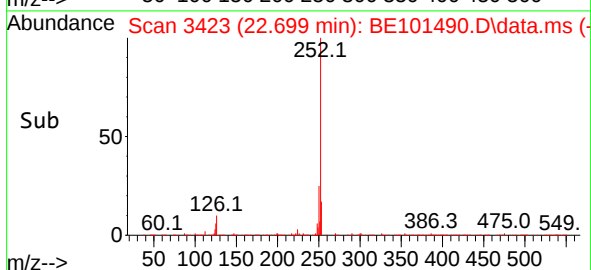
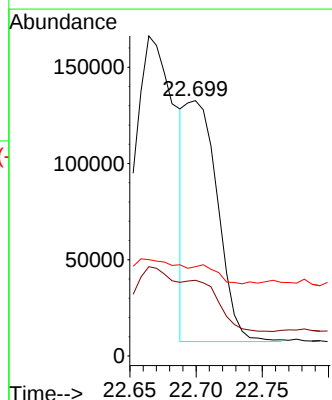
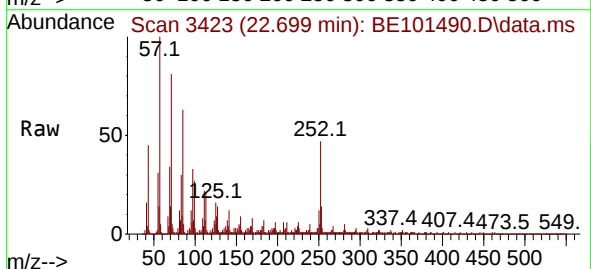
Delta R.T. -0.006 min

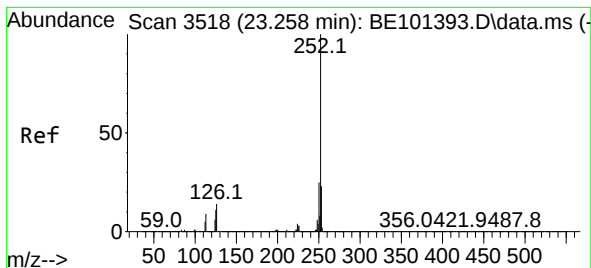
Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

Tgt Ion:252 Resp: 212022

Ion	Ratio	Lower	Upper
252	100		
253	29.6	19.4	29.2#
125	35.0	8.2	12.2#





#90

Benzo(a)pyrene

Concen: 13.136 ng

RT: 23.269 min Scan# 3520

Delta R.T. 0.011 min

Lab File: BE101490.D

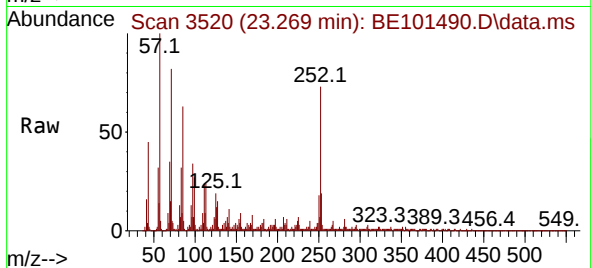
Acq: 5 Nov 2024 21:38

Instrument :

BNA_E

ClientSampleId :

OK-01-11012024



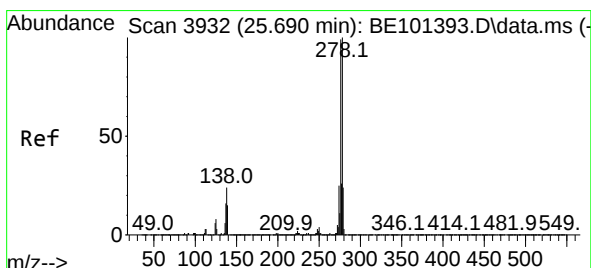
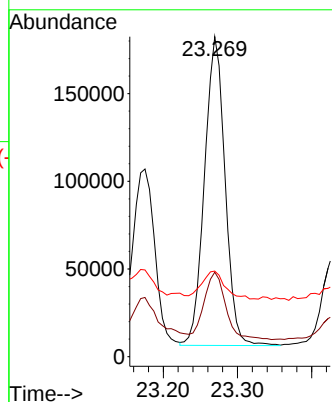
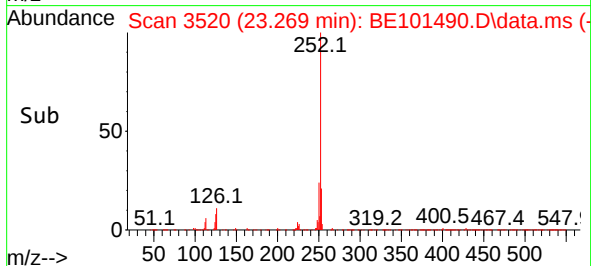
Tgt Ion:	252	Resp:	33922
Ion Ratio	Lower	Upper	
252	100		
253	26.4	18.4	27.6
125	26.7	9.0	13.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/06/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.291 ng

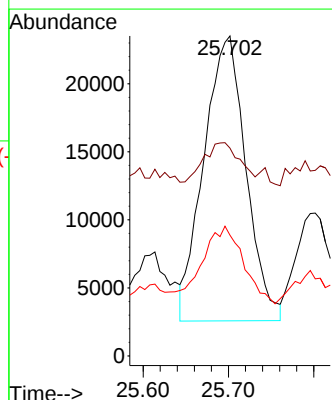
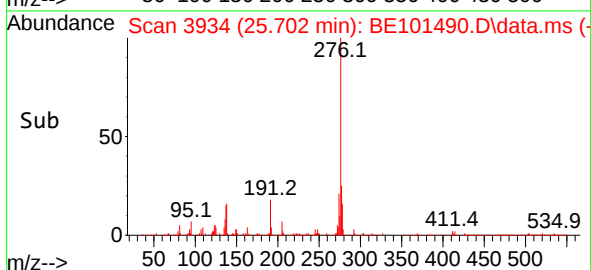
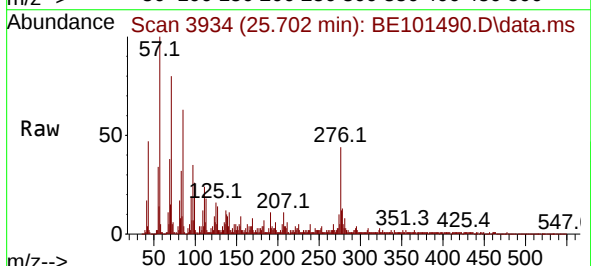
RT: 25.702 min Scan# 3934

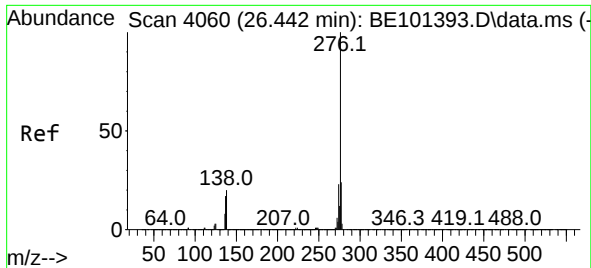
Delta R.T. 0.011 min

Lab File: BE101490.D

Acq: 5 Nov 2024 21:38

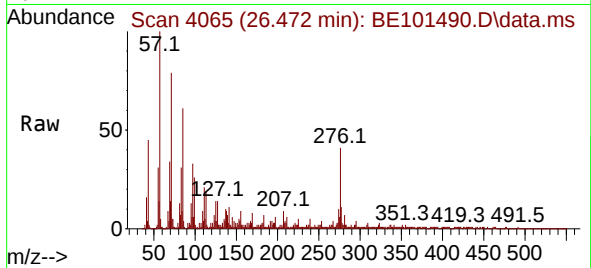
Tgt Ion:	278	Resp:	71789
Ion Ratio	Lower	Upper	
278	100		
139	65.0	11.9	17.9#
279	37.7	19.3	28.9#





#92
Benzo(g,h,i)perylene
Concen: 8.268 ng
RT: 26.472 min Scan# 4065
Delta R.T. 0.029 min
Lab File: BE101490.D
Acq: 5 Nov 2024 21:38

Instrument :
BNA_E
ClientSampleId :
OK-01-11012024



Tgt Ion: 276 Resp: 266939
Ion Ratio Lower Upper
276 100
277 27.9 19.4 29.2
138 23.0 15.8 23.6

Manual Integrations
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Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

