

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101522.D
 Acq On : 7 Nov 2024 7:13
 Operator : RC/JU
 Sample : P4706-01 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TR-04-110424

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 07 06:55:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 00:01:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.564	152	78812	20.000	ng	0.00
21) Naphthalene-d8	10.332	136	369514	20.000	ng	0.00
39) Acenaphthene-d10	14.174	164	251938	20.000	ng	0.00
64) Phenanthrene-d10	16.912	188	534552	20.000	ng	0.00
76) Chrysene-d12	21.078	240	559976	20.000	ng	0.00
86) Perylene-d12	23.375	264	732634	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.320	112	58116	13.039	ng	0.00
7) Phenol-d6	6.953	99	77421	12.669	ng	0.00
23) Nitrobenzene-d5	8.775	82	47008	8.036	ng	0.00
42) 2,4,6-Tribromophenol	15.684	330	55335	11.672	ng	0.00
45) 2-Fluorobiphenyl	12.793	172	143168	9.279	ng	0.00
79) Terphenyl-d14	19.503	244	273434	10.809	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	16.953	178	127937	4.921	ng	99
75) Fluoranthene	18.963	202	244918	7.347	ng	98
78) Pyrene	19.333	202	234553	7.362	ng	99
81) Benzo(a)anthracene	21.054	228	127468	3.833	ng	# 94
83) Chrysene	21.113	228	142795m	4.517	ng	
88) Benzo(b)fluoranthene	22.658	252	158964m	3.955	ng	
89) Benzo(k)fluoranthene	22.682	252	106748m	2.926	ng	
90) Benzo(a)pyrene	23.258	252	146882	4.233	ng	# 90
92) Benzo(g,h,i)perylene	26.454	276	104390	2.451	ng	# 90

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

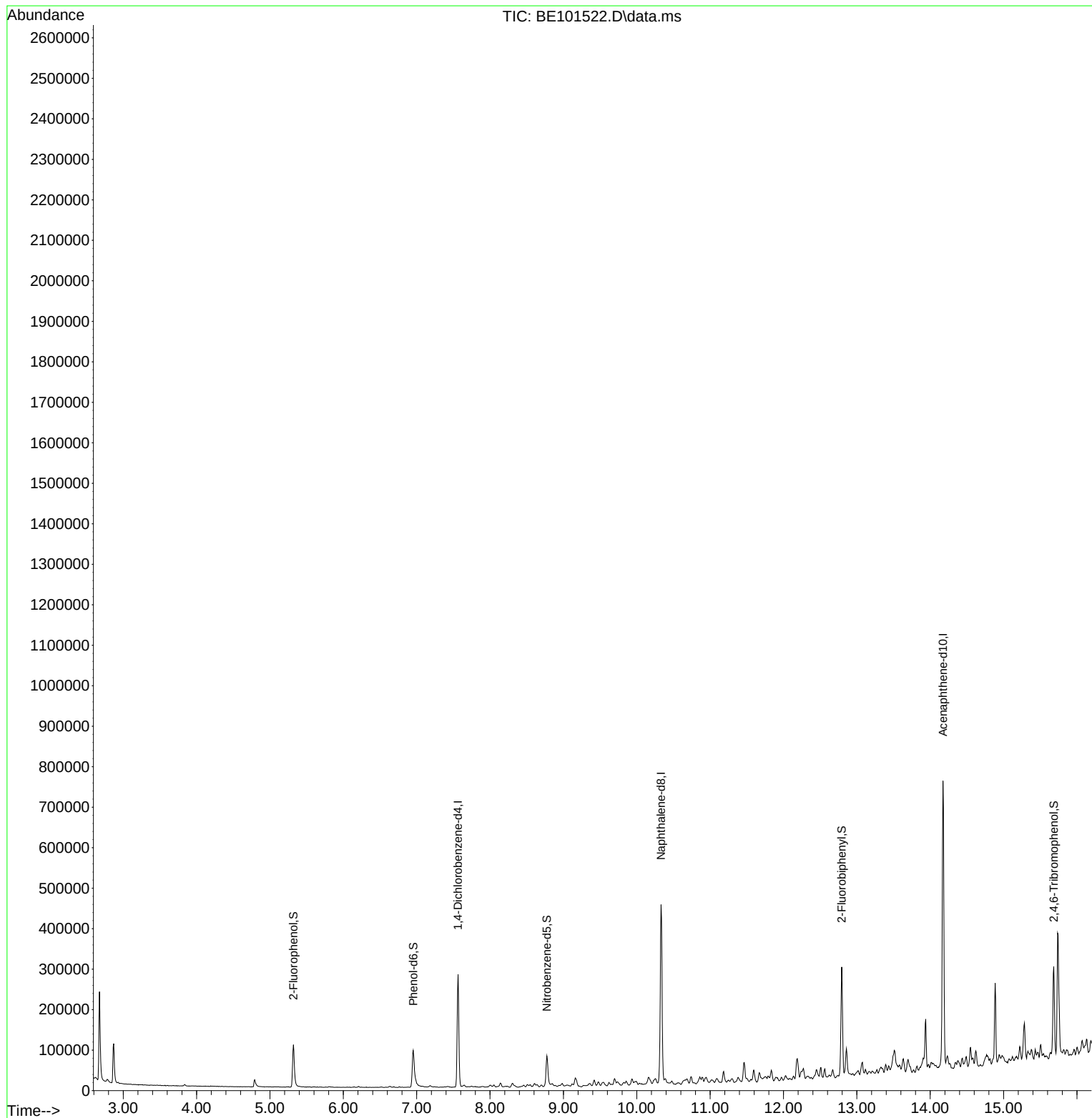
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101522.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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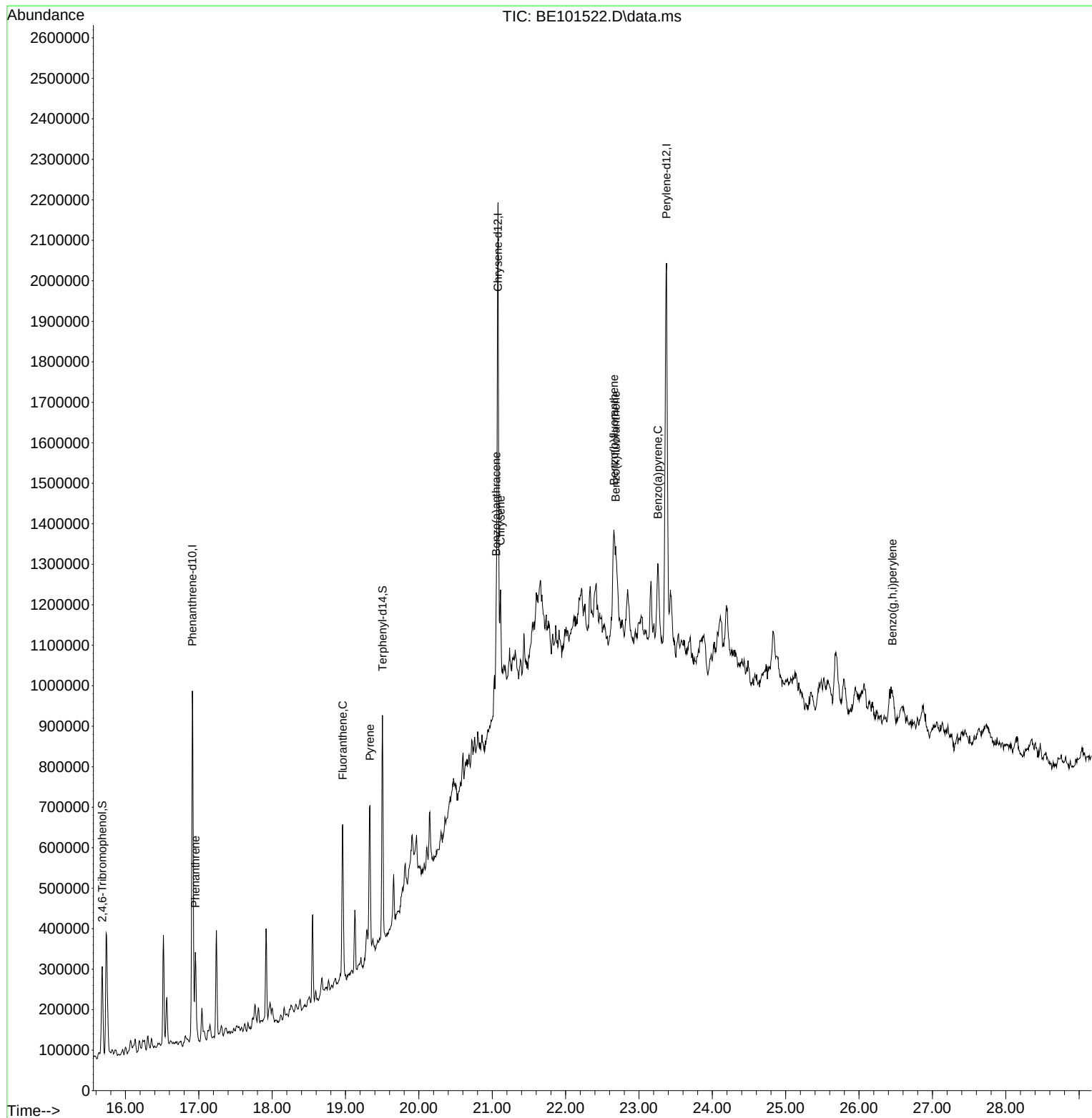
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
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ALS Vial : 31 Sample Multiplier: 1

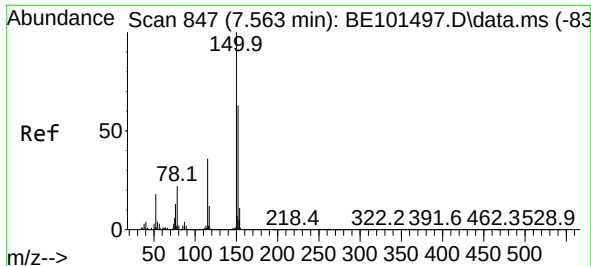
Instrument :
BNA_E
ClientSampleId :
TR-04-110424

Quant Time: Nov 07 06:55:28 2024
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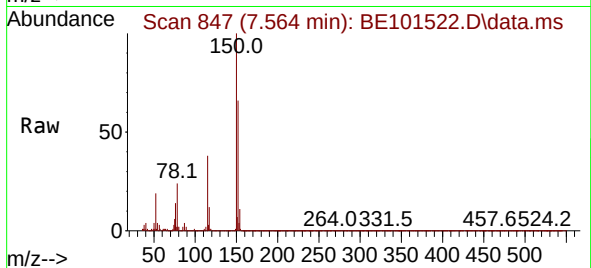
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.564 min Scan# 847
Delta R.T. 0.001 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

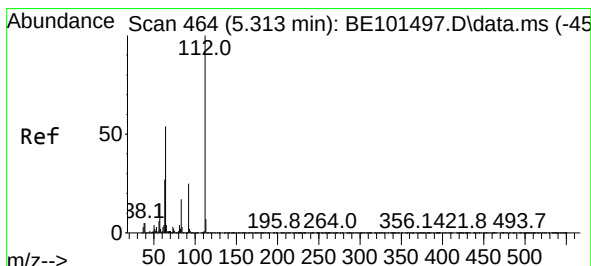
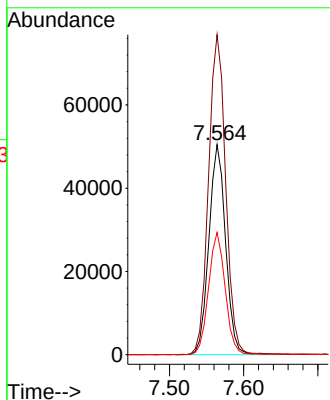
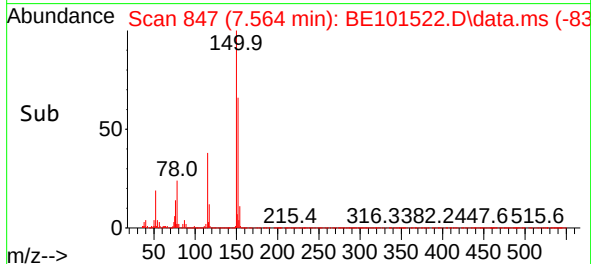
Instrument :
BNA_E
ClientSampleId :
TR-04-110424



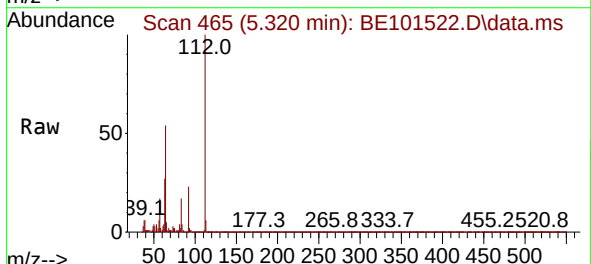
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Ion Ratio Lower Upper
152 100
150 152.4 126.3 189.5
115 58.2 45.0 67.4

Manual Integrations
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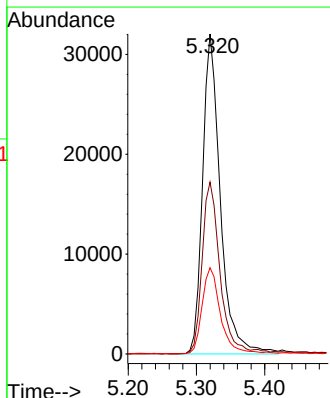
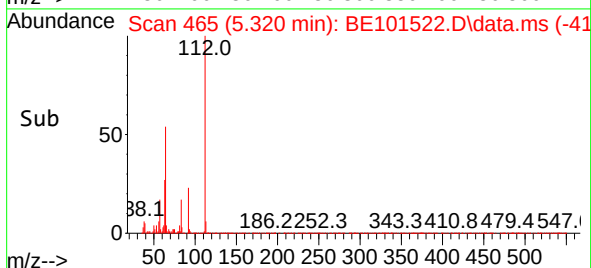
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

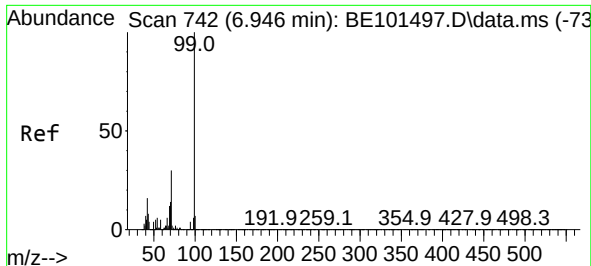


#5
2-Fluorophenol
Concen: 13.039 ng
RT: 5.320 min Scan# 465
Delta R.T. 0.007 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13



Tgt Ion:112 Resp: 58116
Ion Ratio Lower Upper
112 100
64 53.7 43.2 64.8
63 26.9 21.8 32.6





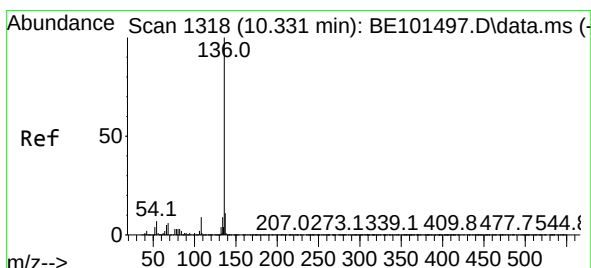
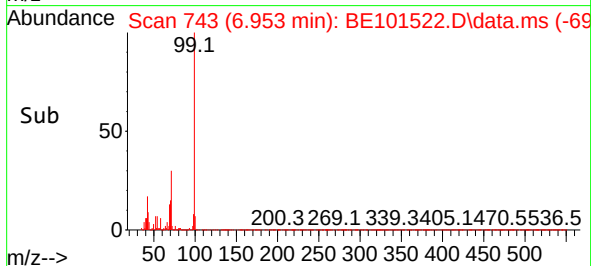
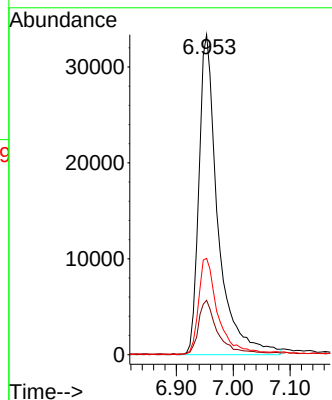
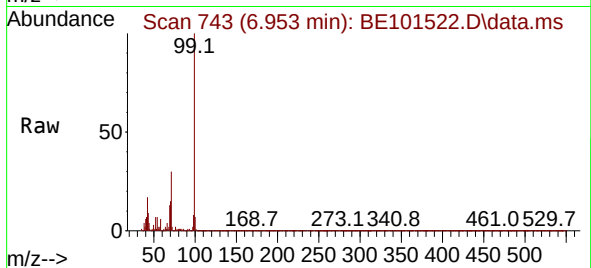
#7
Phenol-d6
Concen: 12.669 ng
RT: 6.953 min Scan# 742
Delta R.T. 0.007 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

Instrument :
BNA_E
ClientSampleId :
TR-04-110424

Tgt Ion: 99 Resp: 7742
Ion Ratio Lower Upper
99 100
42 17.0 12.5 18.7
71 30.1 24.2 36.2

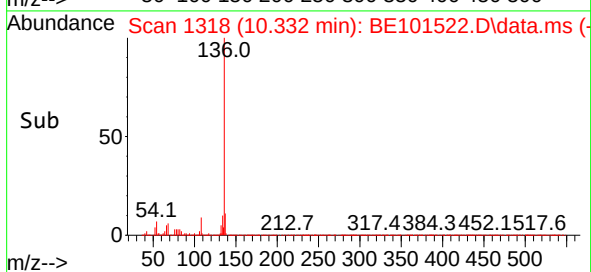
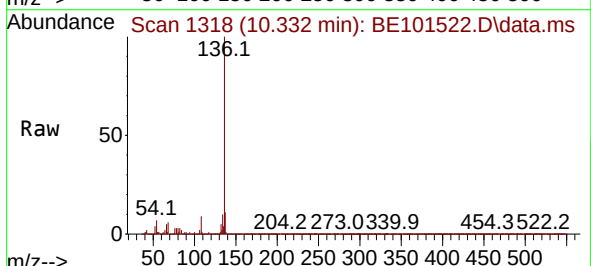
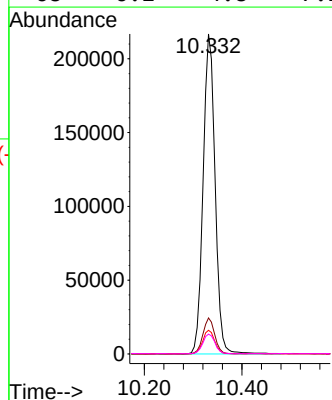
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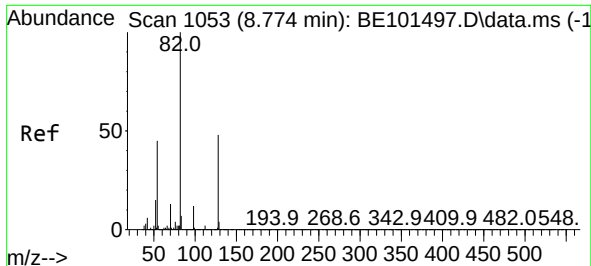
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.332 min Scan# 1318
Delta R.T. 0.001 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

Tgt Ion:136 Resp: 369514
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 7.4 5.6 8.4
68 6.2 4.8 7.2





#23
Nitrobenzene-d5
Concen: 8.036 ng
RT: 8.775 min Scan# 1053
Delta R.T. 0.001 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

Instrument :

BNB_E

ClientSampleId :

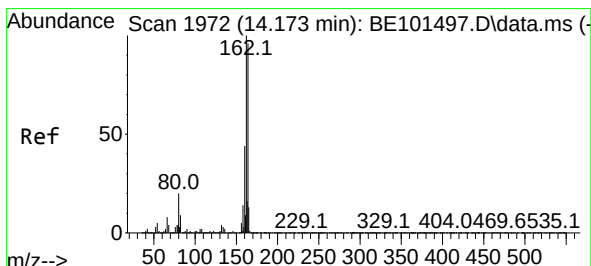
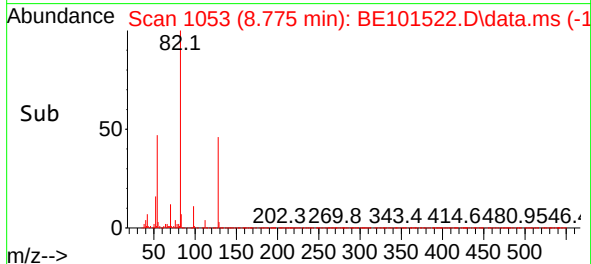
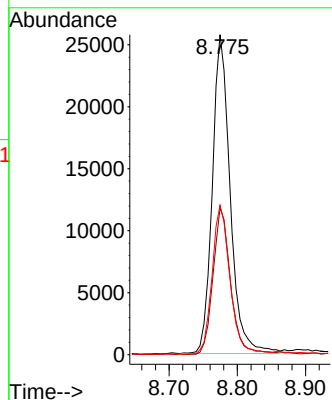
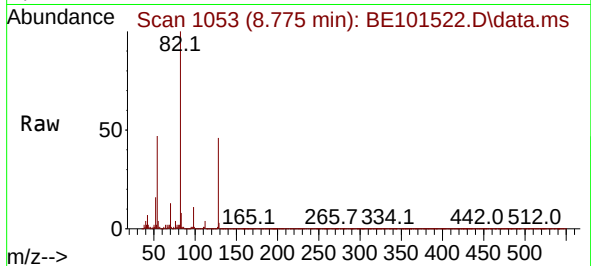
TR-04-110424

Tgt Ion: 82 Resp: 47008
Ion Ratio Lower Upper
82 100
128 46.0 38.6 58.0
54 46.7 36.3 54.5

Manual Integrations

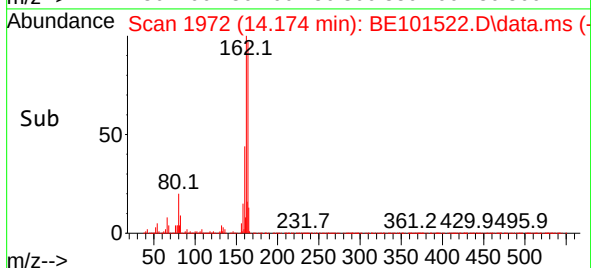
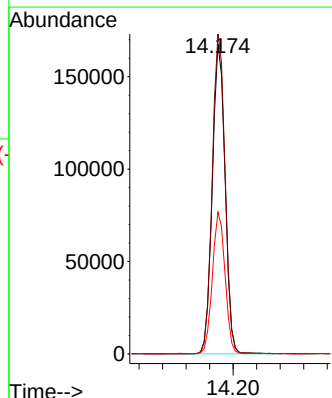
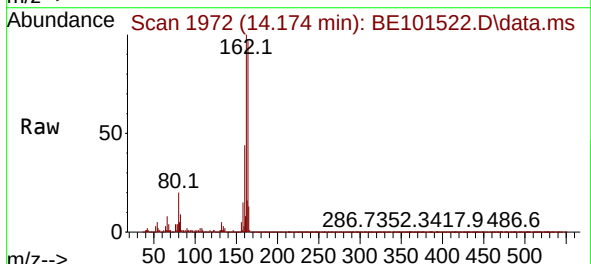
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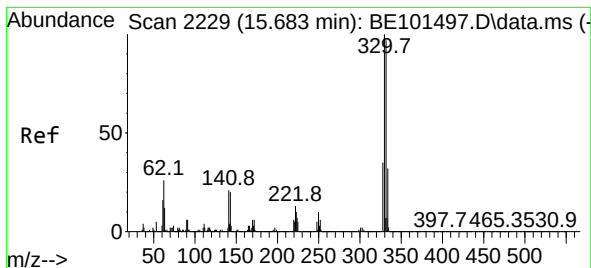
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.174 min Scan# 1972
Delta R.T. 0.001 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

Tgt Ion:164 Resp: 251938
Ion Ratio Lower Upper
164 100
162 103.1 83.7 125.5
160 45.7 37.1 55.7





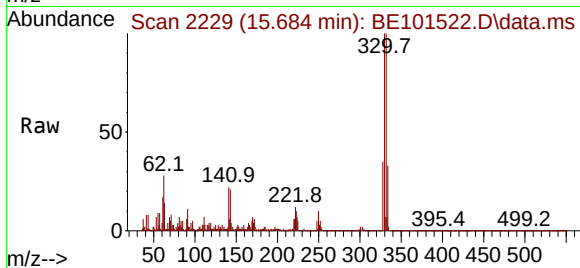
#42
2,4,6-Tribromophenol
Concen: 11.672 ng
RT: 15.684 min Scan# 21
Delta R.T. 0.001 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

Instrument :

BNA_E

ClientSampleId :

TR-04-110424

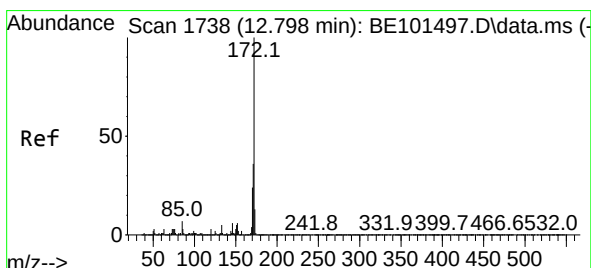
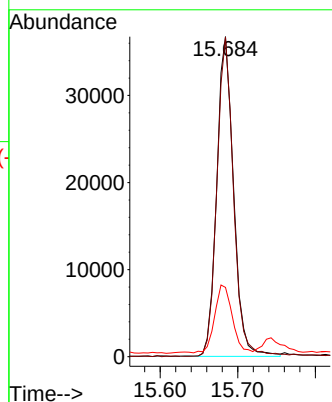
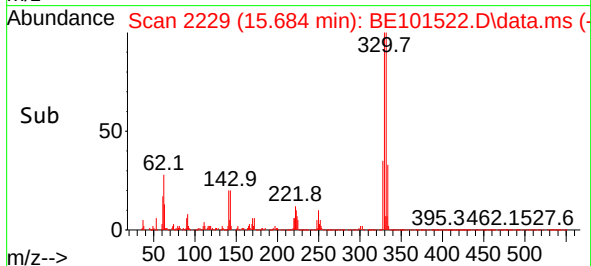


Tgt Ion:330 Resp: 5533
Ion Ratio Lower Upper
330 100
332 98.7 77.7 116.5
141 22.1 17.0 25.4

Manual Integrations

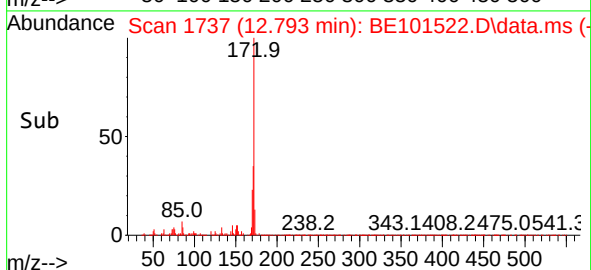
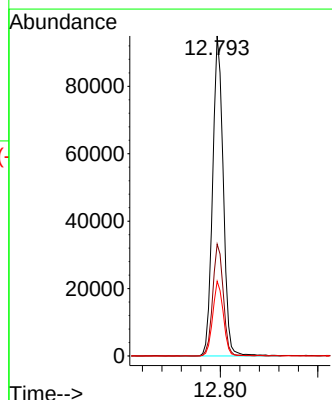
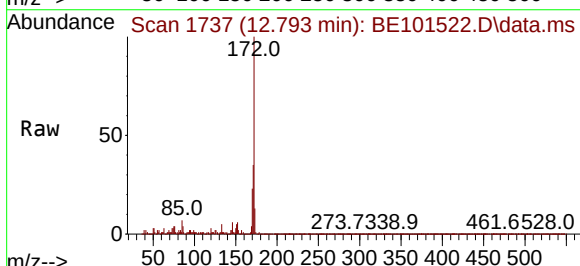
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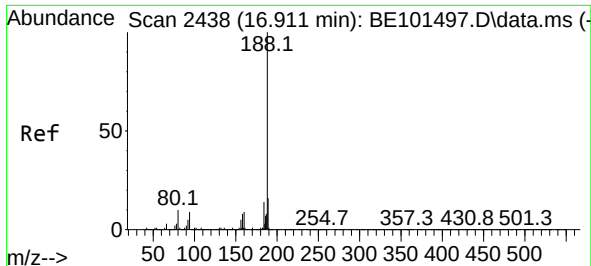
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#45
2-Fluorobiphenyl
Concen: 9.279 ng
RT: 12.793 min Scan# 1737
Delta R.T. -0.005 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

Tgt Ion:172 Resp: 143168
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.3 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.912 min Scan# 2438
Delta R.T. 0.001 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

Instrument :

BNA_E

ClientSampleId :

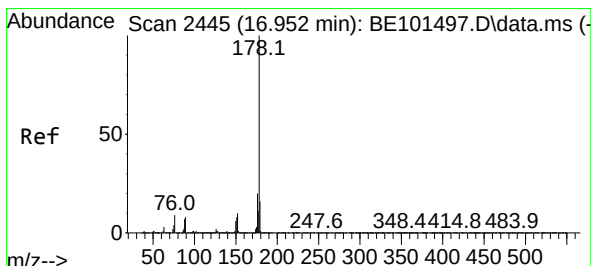
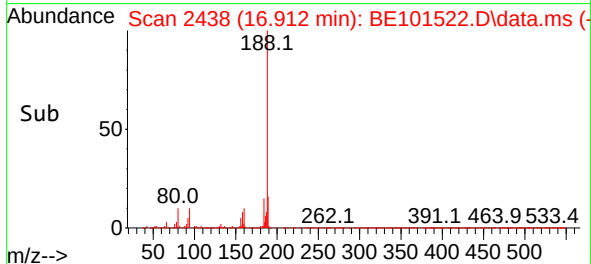
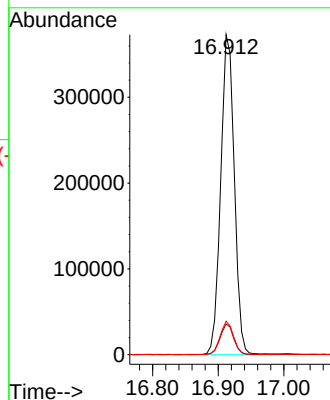
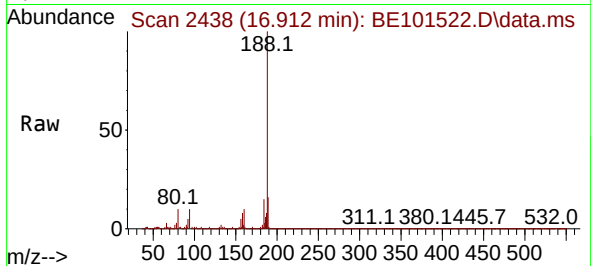
TR-04-110424

Tgt Ion:188 Resp: 534552
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.2
80 10.5 8.0 12.0

Manual Integrations

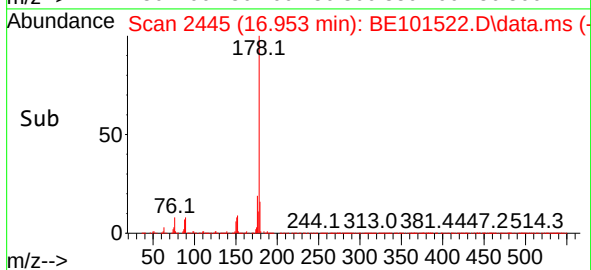
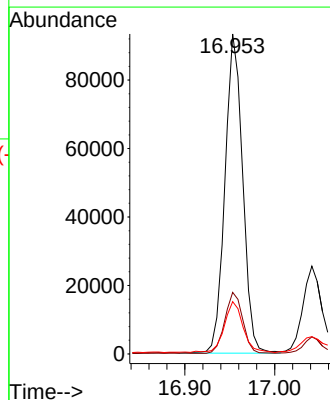
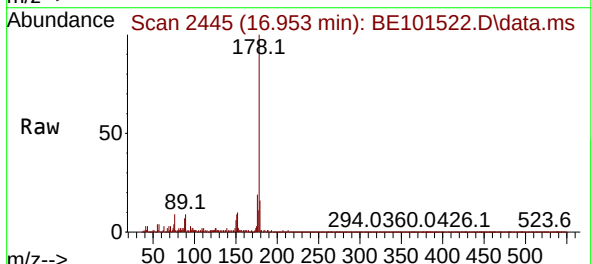
APPROVED

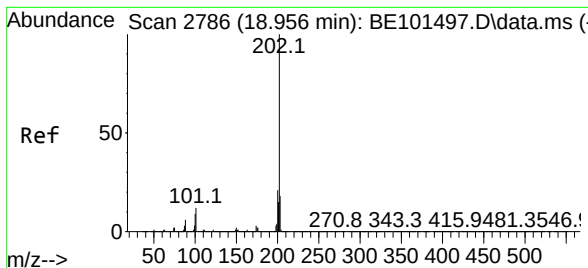
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#71
Phenanthrene
Concen: 4.921 ng
RT: 16.953 min Scan# 2445
Delta R.T. 0.001 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

Tgt Ion:178 Resp: 127937
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 16.3 12.6 19.0





#75
Fluoranthene
Concen: 7.347 ng
RT: 18.963 min Scan# 21
Delta R.T. 0.007 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

Instrument :

BNA_E

ClientSampleId :

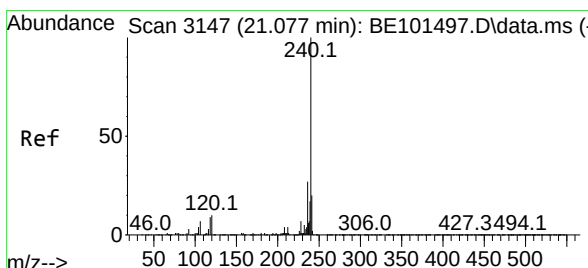
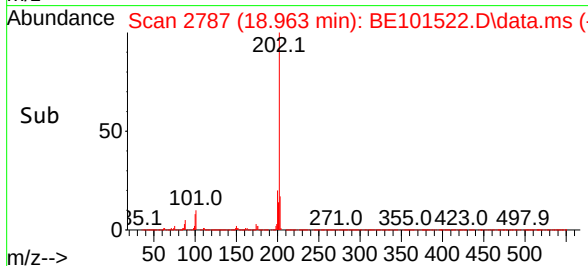
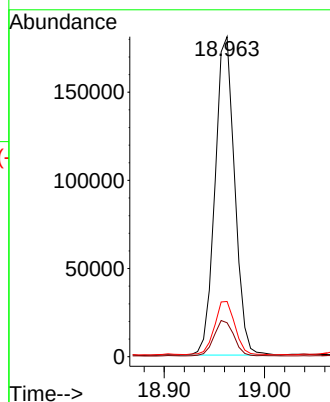
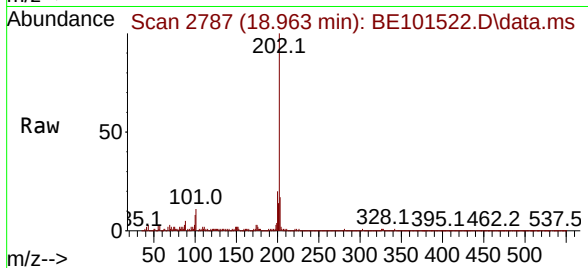
TR-04-110424

Tgt Ion:202 Resp: 244918
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.7
203 17.2 0.0 37.8

Manual Integrations

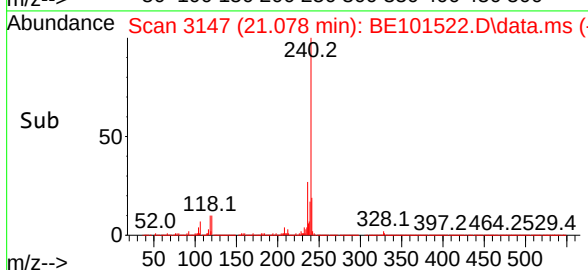
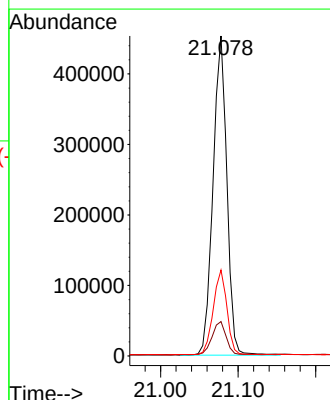
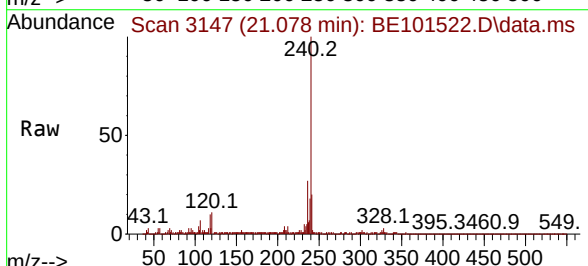
APPROVED

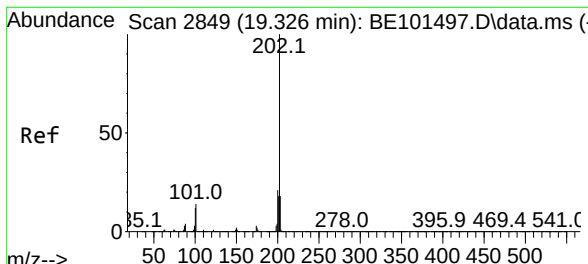
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.078 min Scan# 3147
Delta R.T. 0.001 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

Tgt Ion:240 Resp: 559976
Ion Ratio Lower Upper
240 100
120 10.8 8.2 12.4
236 26.8 21.4 32.2



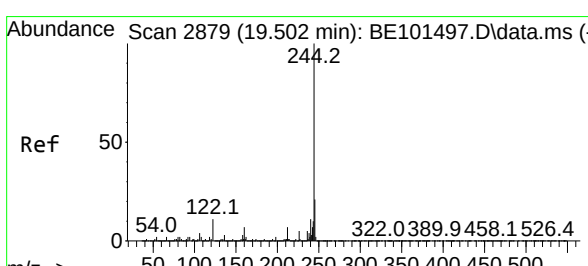
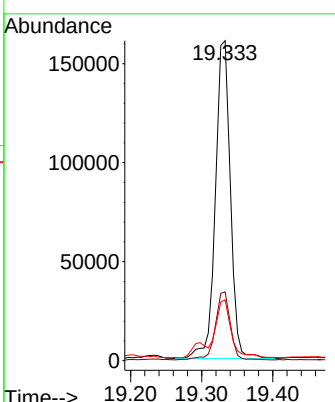
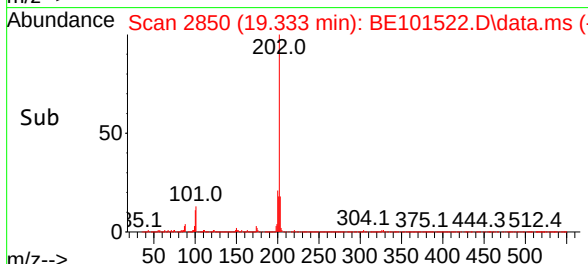
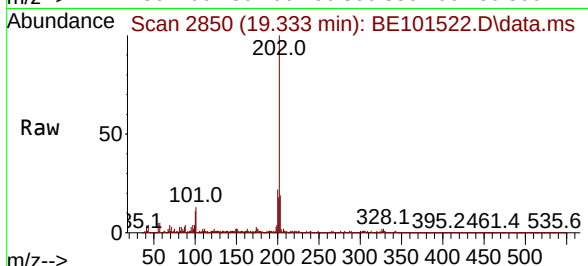


#78
 Pyrene
 Concen: 7.362 ng
 RT: 19.333 min Scan# 2849
 Delta R.T. 0.007 min
 Lab File: BE101522.D
 Acq: 7 Nov 2024 7:13

Instrument : BNA_E
 ClientSampleId : TR-04-110424

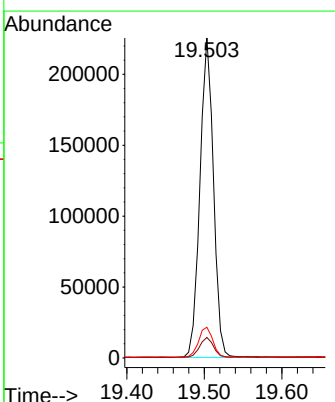
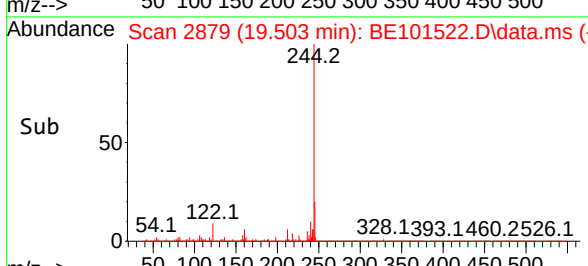
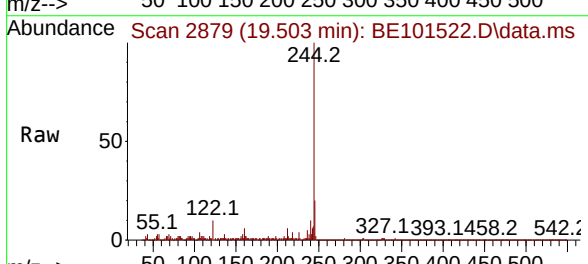
Tgt Ion:	202	Resp:	23455
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.2	25.8
203	19.0	14.2	21.4

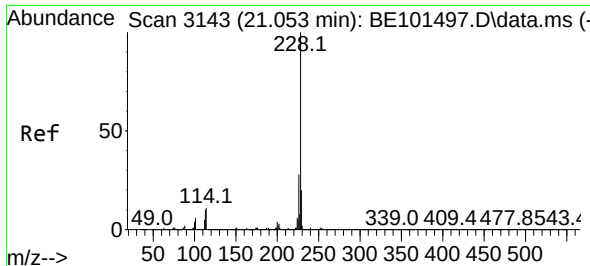
Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024



#79
 Terphenyl-d14
 Concen: 10.809 ng
 RT: 19.503 min Scan# 2879
 Delta R.T. 0.001 min
 Lab File: BE101522.D
 Acq: 7 Nov 2024 7:13

Tgt Ion:	244	Resp:	273434
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.8	8.8
122	9.6	8.4	12.6





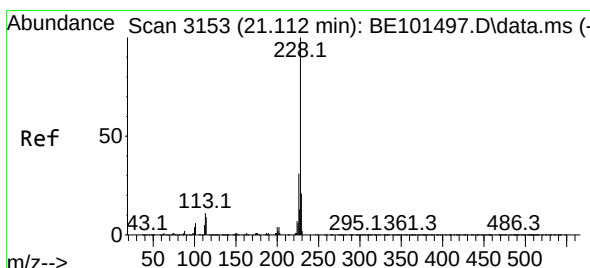
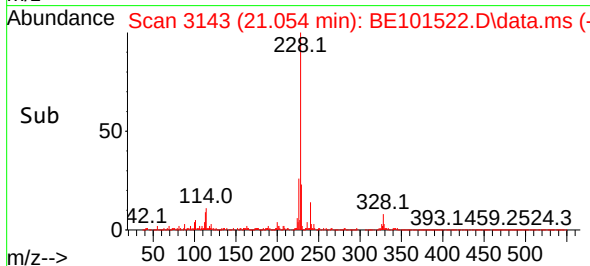
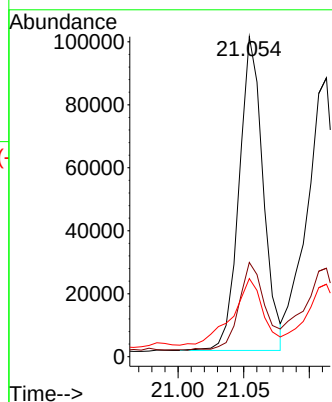
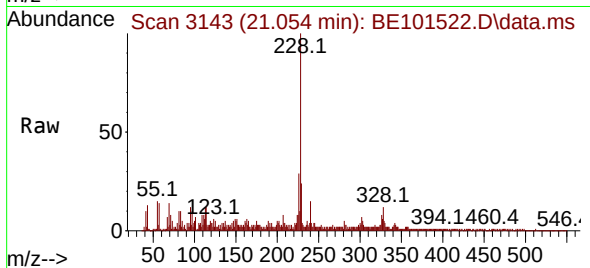
#81
Benzo(a)anthracene
Concen: 3.833 ng
RT: 21.054 min Scan# 3143
Delta R.T. 0.001 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

Instrument :
BNA_E
ClientSampleId :
TR-04-110424

Tgt Ion:228 Resp: 127468
Ion Ratio Lower Upper
228 100
226 29.5 22.4 33.6
229 24.4 16.1 24.1

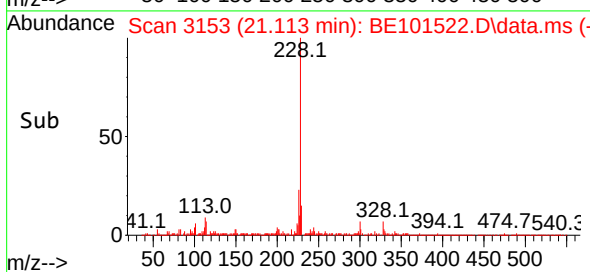
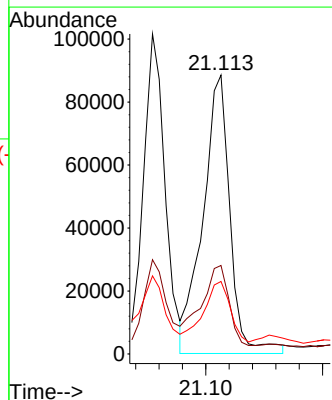
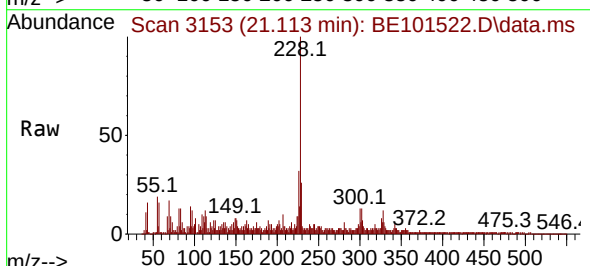
Manual Integrations
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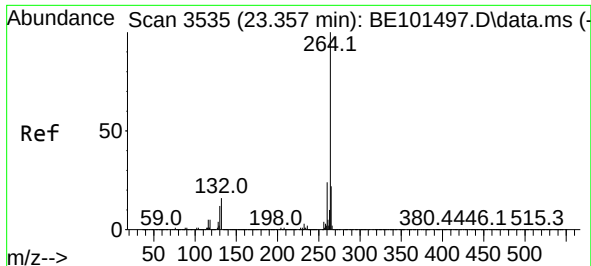
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#83
Chrysene
Concen: 4.517 ng m
RT: 21.113 min Scan# 3153
Delta R.T. 0.001 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

Tgt Ion:228 Resp: 142795
Ion Ratio Lower Upper
228 100
226 31.8 25.1 37.7
229 26.0 16.4 24.6





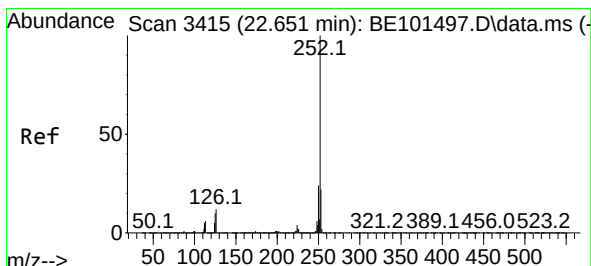
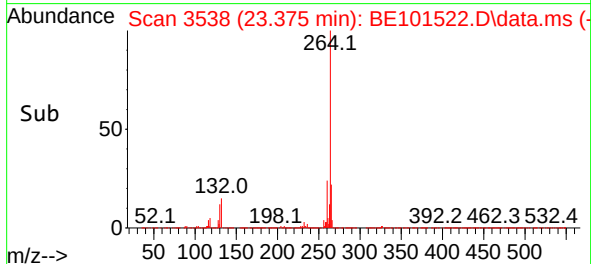
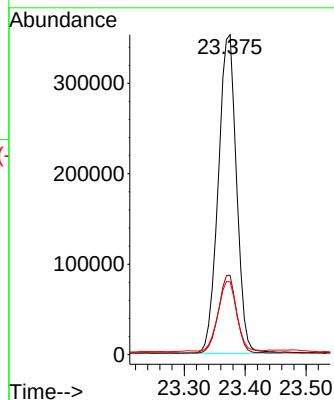
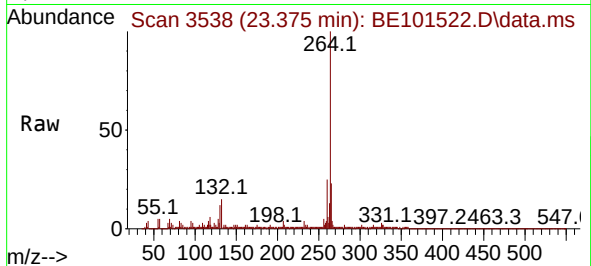
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.375 min Scan# 3535
Delta R.T. 0.019 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

Instrument :
BNA_E
ClientSampleId :
TR-04-110424

Tgt Ion:264 Resp: 732634
Ion Ratio Lower Upper
264 100
260 24.8 19.4 29.2
265 22.7 17.4 26.2

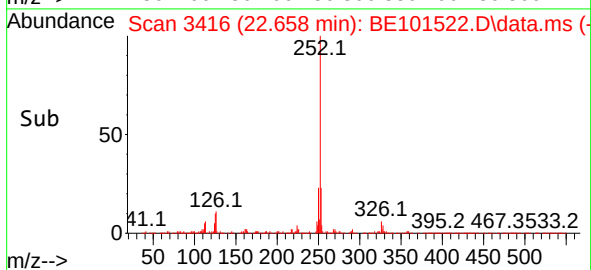
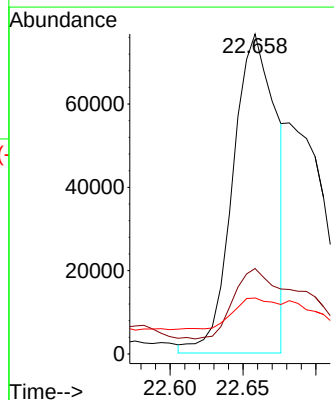
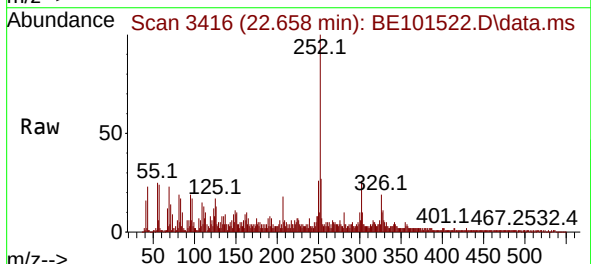
Manual Integrations
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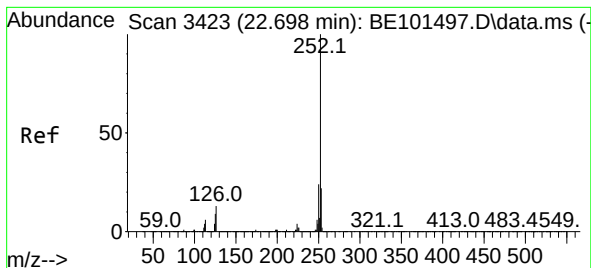
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#88
Benzo(b)fluoranthene
Concen: 3.955 ng m
RT: 22.658 min Scan# 3416
Delta R.T. 0.007 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

Tgt Ion:252 Resp: 158964
Ion Ratio Lower Upper
252 100
253 26.7 17.7 26.5#
125 17.5 7.8 11.8#





#89

Benzo(k)fluoranthene

Concen: 2.926 ng m

RT: 22.682 min Scan# 3423

Delta R.T. -0.017 min

Lab File: BE101522.D

Acq: 7 Nov 2024 7:13

Instrument :

BNA_E

ClientSampleId :

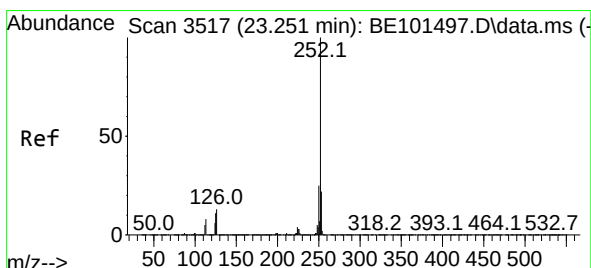
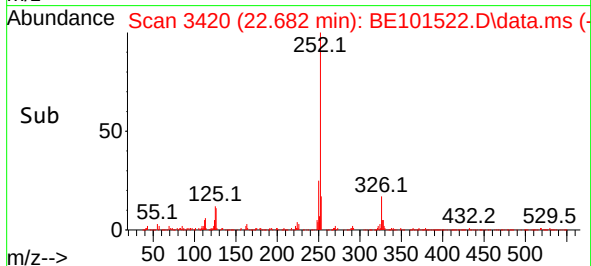
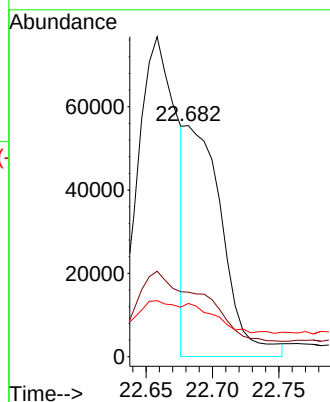
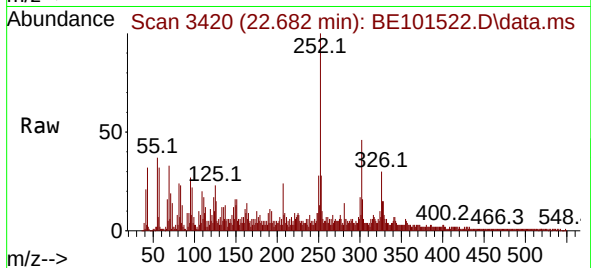
TR-04-110424

Tgt Ion:252 Resp: 106748
 Ion Ratio Lower Upper
 252 100
 253 27.9 17.9 26.9
 125 23.0 7.7 11.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024



#90

Benzo(a)pyrene

Concen: 4.233 ng

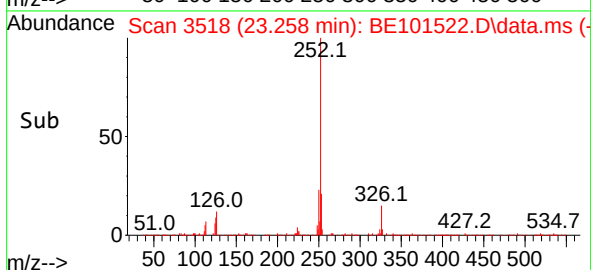
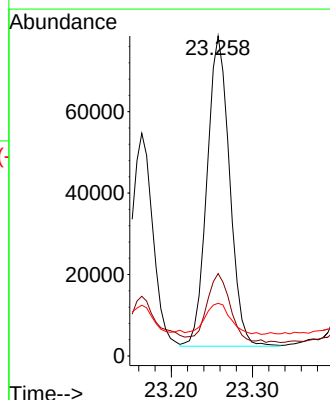
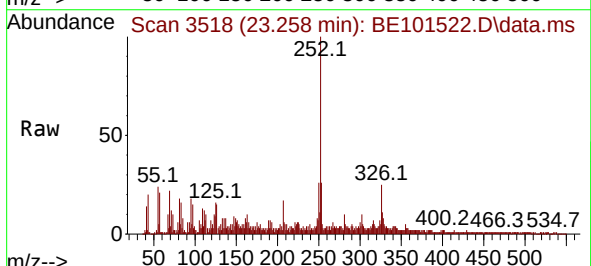
RT: 23.258 min Scan# 3518

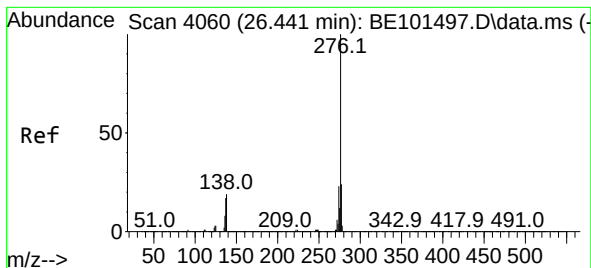
Delta R.T. 0.007 min

Lab File: BE101522.D

Acq: 7 Nov 2024 7:13

Tgt Ion:252 Resp: 146882
 Ion Ratio Lower Upper
 252 100
 253 25.8 17.6 26.4
 125 16.4 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 2.451 ng

RT: 26.454 min Scan# 4062

Delta R.T. 0.013 min

Lab File: BE101522.D

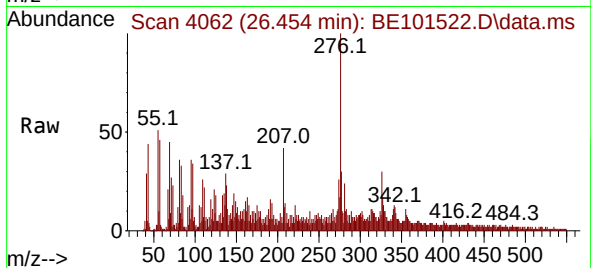
Acq: 7 Nov 2024 7:13

Instrument :

BNA_E

ClientSampleId :

TR-04-110424



Tgt Ion:276 Resp: 104390

Ion Ratio Lower Upper

276 100

277 29.8 19.5 29.3

138 23.4 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024

Supervised By :mohammad ahmed 11/08/2024

