

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
 Data File : BE101587.D
 Acq On : 12 Nov 2024 22:14
 Operator : RC/JU
 Sample : P4722-08DL 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 WC-2(0-6)DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/13/2024
 Supervised By :mohammad ahmed 11/13/2024

Quant Time: Nov 13 00:18:22 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	7.554	152	51821	20.000	ng	0.00
21) Naphthalene-d8	10.322	136	245161	20.000	ng	0.00
39) Acenaphthene-d10	14.164	164	168214	20.000	ng	0.00
64) Phenanthrene-d10	16.902	188	358727	20.000	ng	0.00
76) Chrysene-d12	21.068	240	362587	20.000	ng	0.00
86) Perylene-d12	23.353	264	466663	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.310	112	158923	54.226	ng	0.00
7) Phenol-d6	6.937	99	213942	53.242	ng	0.00
23) Nitrobenzene-d5	8.765	82	127245	32.784	ng	0.00
42) 2,4,6-Tribromophenol	15.674	330	137753	43.520	ng	0.00
45) 2-Fluorobiphenyl	12.783	172	355877	34.544	ng	-0.02
79) Terphenyl-d14	19.493	244	615043	37.548	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.368	128	25371	2.050	ng	98
49) Acenaphthylene	13.900	152	32325	2.370	ng	99
52) Acenaphthene	14.229	154	29014	3.334	ng	98
58) Fluorene	15.210	166	29783	2.546	ng	99
71) Phenanthrene	16.943	178	534906	30.658	ng	99
72) Anthracene	17.031	178	132407	7.685	ng	96
73) Carbazole	17.360	167	45772	2.649	ng	100
75) Fluoranthene	18.953	202	854737	38.209	ng	100
78) Pyrene	19.323	202	794993	38.534	ng	99
81) Benzo(a)anthracene	21.044	228	455100	21.134	ng	99
83) Chrysene	21.103	228	422633	20.648	ng	98
87) Indeno(1,2,3-cd)pyrene	25.668	276	387507	12.083	ng	95
88) Benzo(b)fluoranthene	22.642	252	557363	21.769	ng	98
89) Benzo(k)fluoranthene	22.678	252	312950m	13.465	ng	
90) Benzo(a)pyrene	23.242	252	488034	22.079	ng	99
91) Dibenzo(a,h)anthracene	25.645	278	105695	3.957	ng	92
92) Benzo(g,h,i)perylene	26.420	276	382221	14.086	ng	99

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

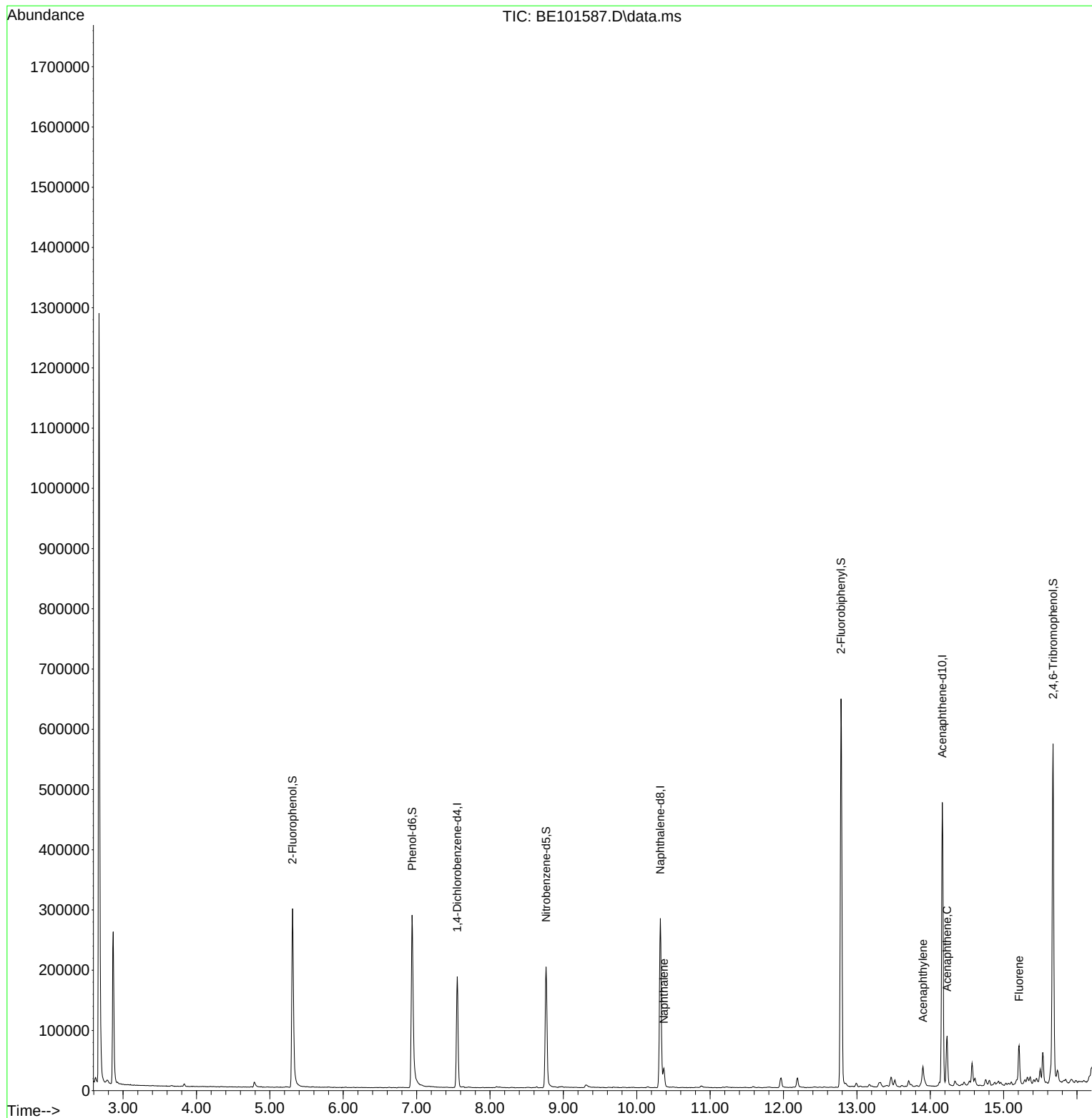
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
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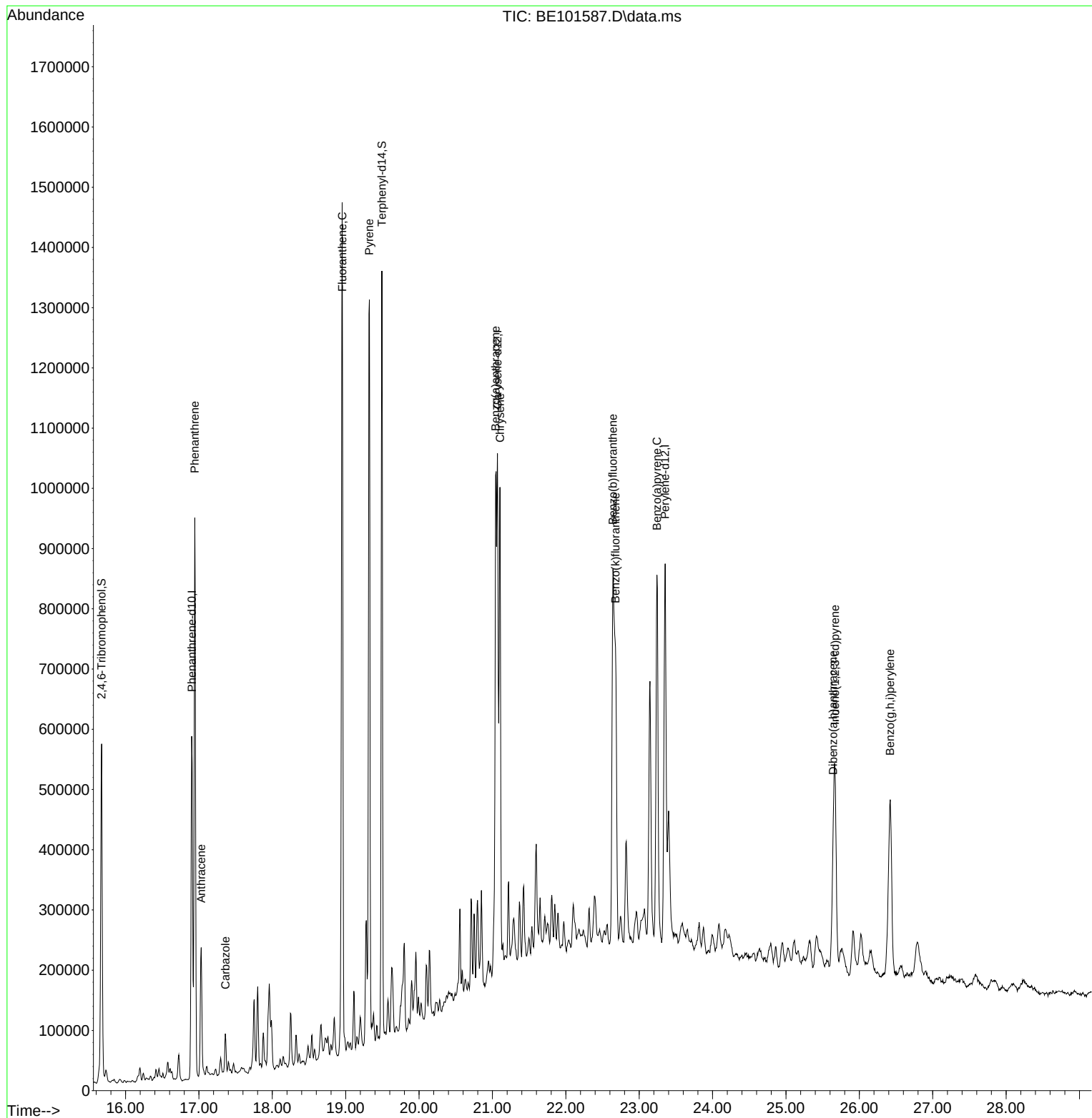
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Data File : BE101587.D
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ALS Vial : 14 Sample Multiplier: 1

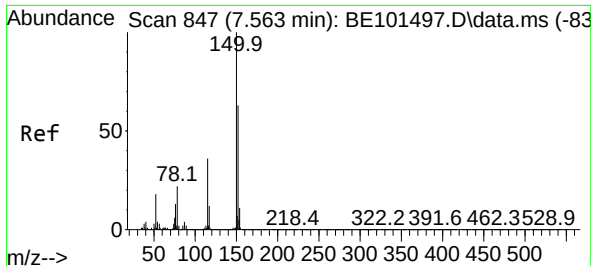
Instrument :
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.554 min Scan# 847
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Instrument :

BNA_E

ClientSampleId :

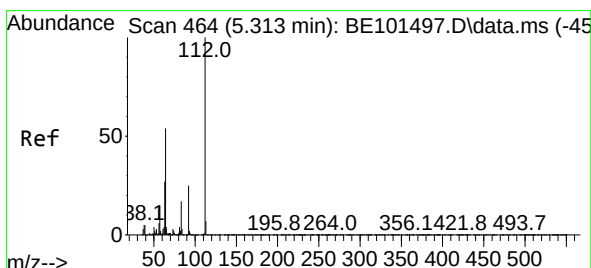
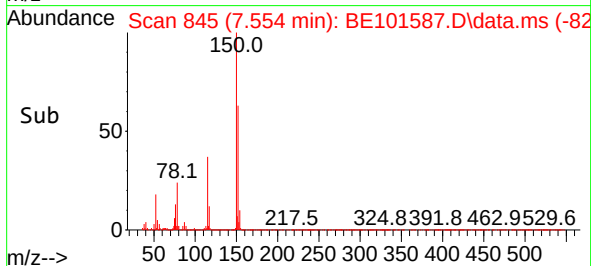
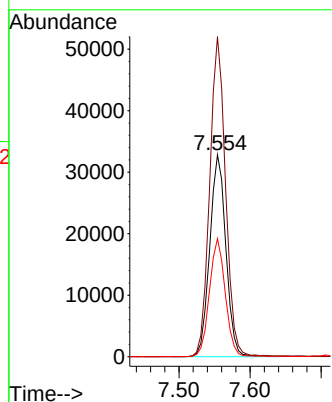
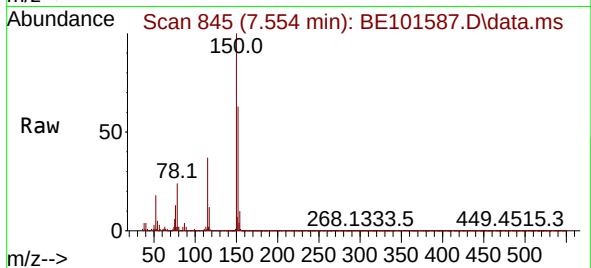
WC-2(0-6)DL

Tgt Ion:152 Resp: 5182
Ion Ratio Lower Upper
152 100
150 158.5 126.3 189.5
115 58.5 45.0 67.4

Manual Integrations

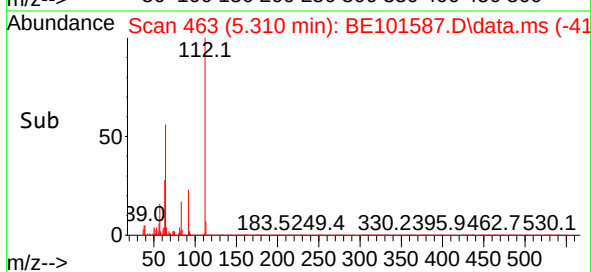
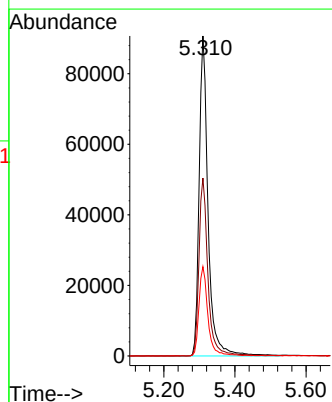
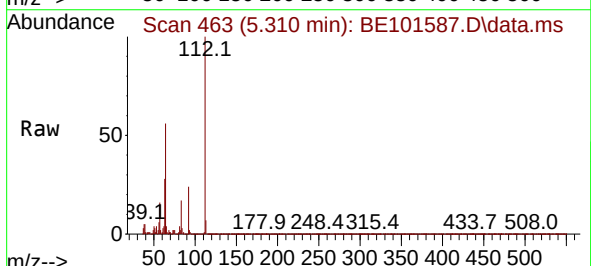
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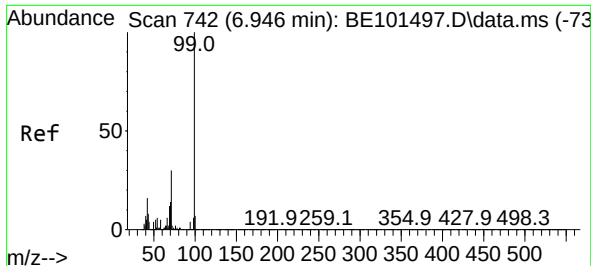
Reviewed By :Yogesh Patel 11/13/2024
Supervised By :mohammad ahmed 11/13/2024



#5
2-Fluorophenol
Concen: 54.226 ng
RT: 5.310 min Scan# 463
Delta R.T. -0.003 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Tgt Ion:112 Resp: 158923
Ion Ratio Lower Upper
112 100
64 55.6 43.2 64.8
63 27.9 21.8 32.6





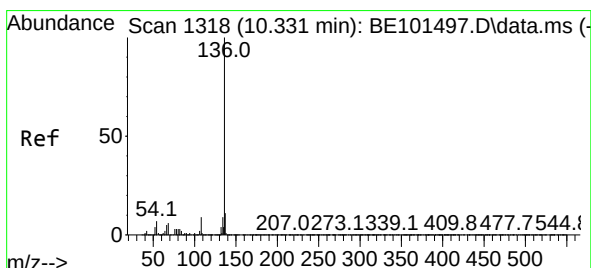
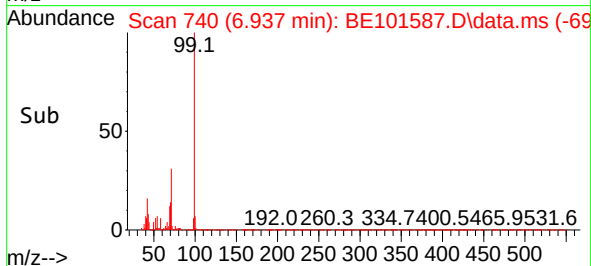
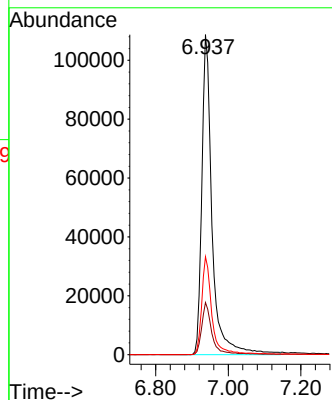
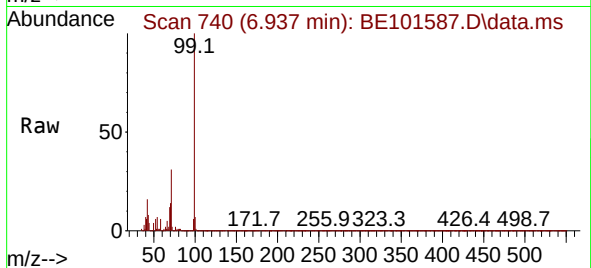
#7
Phenol-d6
Concen: 53.242 ng
RT: 6.937 min Scan# 742
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Instrument :
BNA_E
ClientSampleId :
WC-2(0-6)DL

Tgt Ion: 99 Resp: 21394
Ion Ratio Lower Upper
99 100
42 16.3 12.5 18.7
71 30.6 24.2 36.2

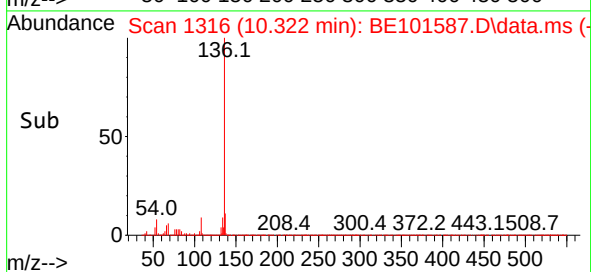
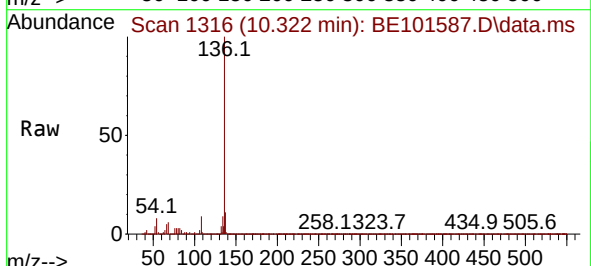
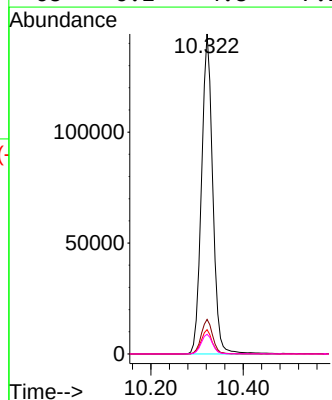
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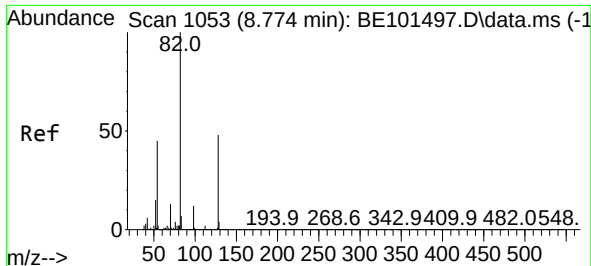
Reviewed By :Yogesh Patel 11/13/2024
Supervised By :mohammad ahmed 11/13/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.322 min Scan# 1316
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Tgt Ion:136 Resp: 245161
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.6 5.6 8.4
68 6.2 4.8 7.2





#23
Nitrobenzene-d5
Concen: 32.784 ng
RT: 8.765 min Scan# 1051
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Instrument :

BNA_E

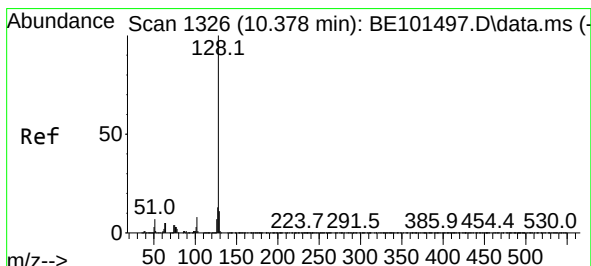
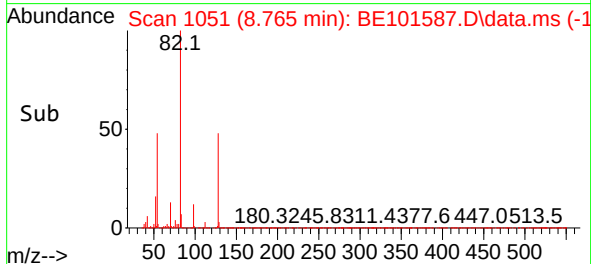
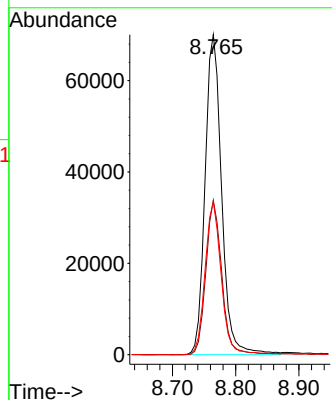
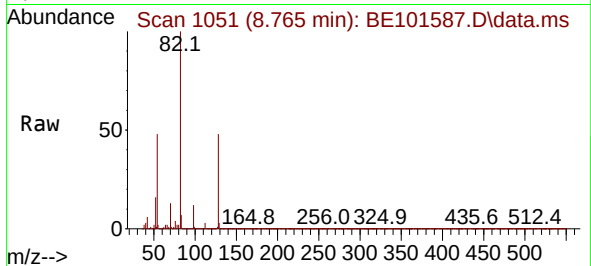
ClientSampleId :

WC-2(0-6)DL

Tgt Ion: 82 Resp: 127245
Ion Ratio Lower Upper
82 100
128 48.2 38.6 58.0
54 47.8 36.3 54.5

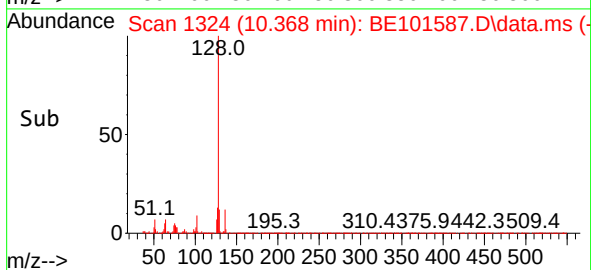
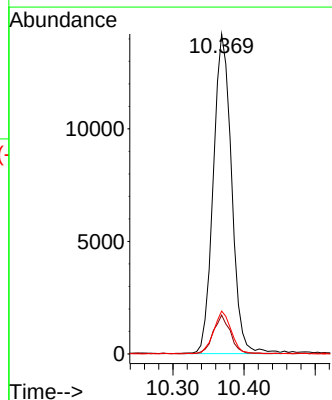
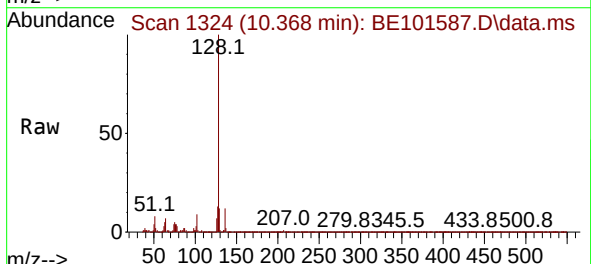
Manual Integrations
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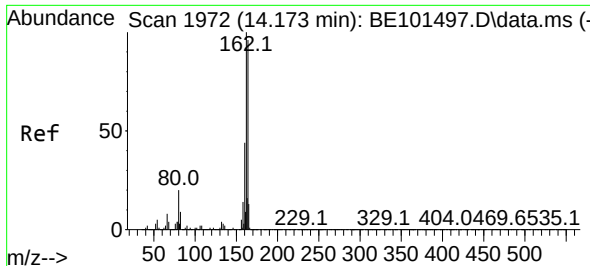
Reviewed By :Yogesh Patel 11/13/2024
Supervised By :mohammad ahmed 11/13/2024



#31
Naphthalene
Concen: 2.050 ng
RT: 10.368 min Scan# 1324
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Tgt Ion:128 Resp: 25371
Ion Ratio Lower Upper
128 100
129 12.2 8.9 13.3
127 13.4 10.3 15.5





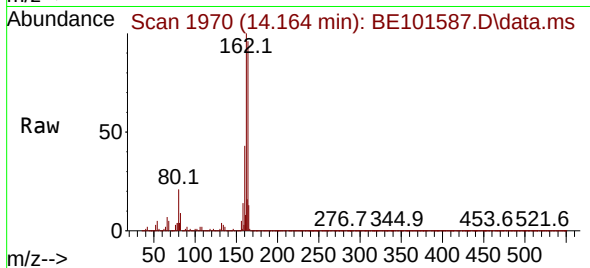
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.164 min Scan# 1972
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Instrument :

BNA_E

ClientSampleId :

WC-2(0-6)DL



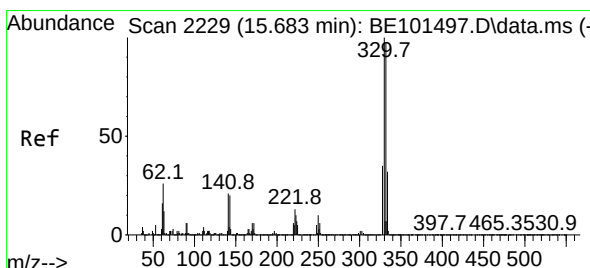
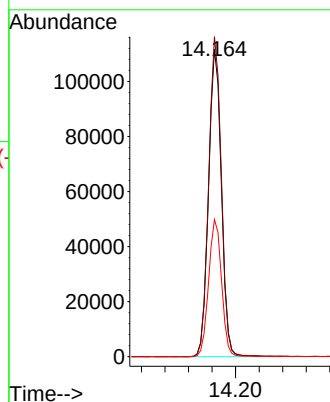
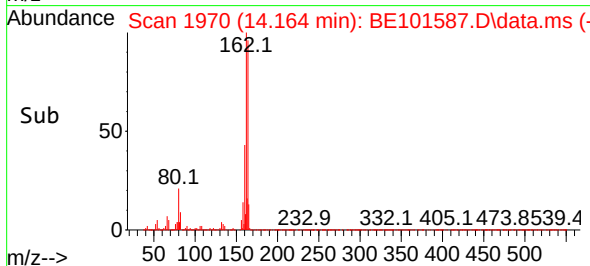
Tgt Ion:164 Resp: 168214
Ion Ratio Lower Upper
164 100
162 104.1 83.7 125.5
160 44.6 37.1 55.7

Manual Integrations

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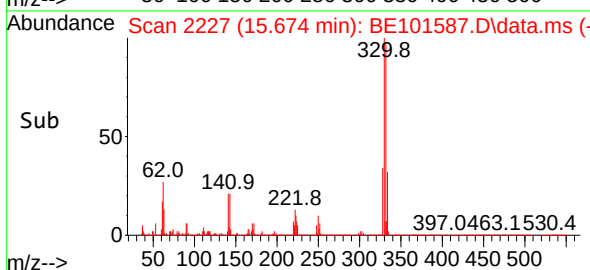
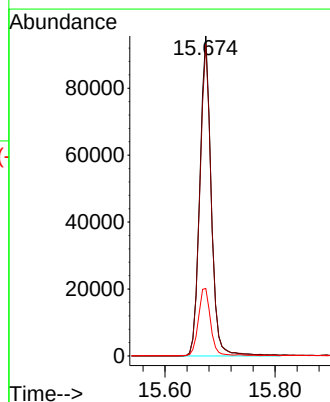
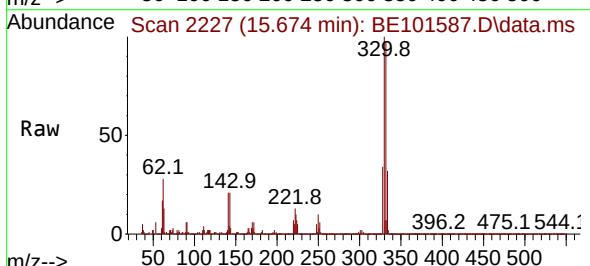
Reviewed By :Yogesh Patel 11/13/2024

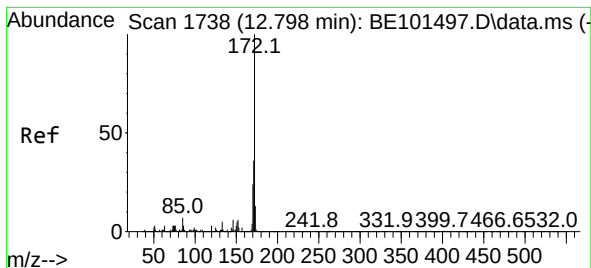
Supervised By :mohammad ahmed 11/13/2024



#42
2,4,6-Tribromophenol
Concen: 43.520 ng
RT: 15.674 min Scan# 2227
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Tgt Ion:330 Resp: 137753
Ion Ratio Lower Upper
330 100
332 97.8 77.7 116.5
141 22.1 17.0 25.4





#45

2-Fluorobiphenyl

Concen: 34.544 ng

RT: 12.783 min Scan# 1735

Delta R.T. -0.015 min

Lab File: BE101587.D

Acq: 12 Nov 2024 22:14

Instrument :

BNA_E

ClientSampleId :

WC-2(0-6)DL

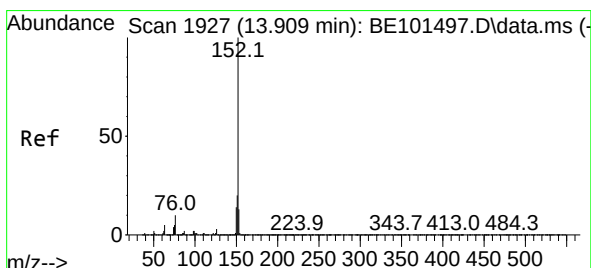
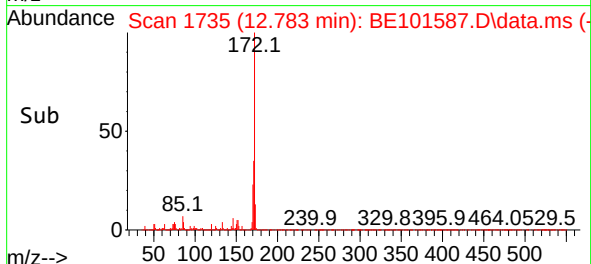
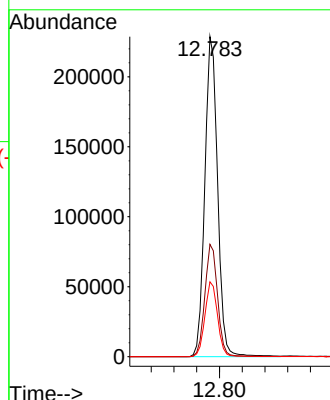
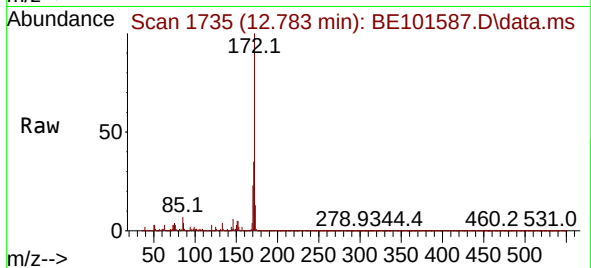
Tgt Ion:	172	Resp:	35587
Ion Ratio	Lower	Upper	
172	100		
171	35.1	28.6	43.0
170	23.4	18.9	28.3

Manual Integrations

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#49

Acenaphthylene

Concen: 2.370 ng

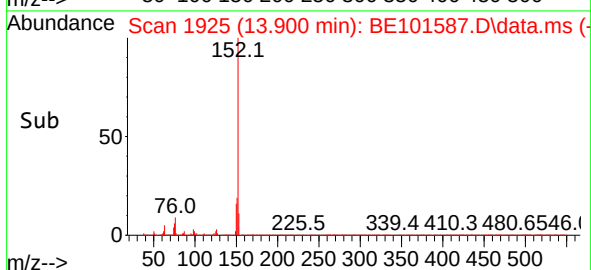
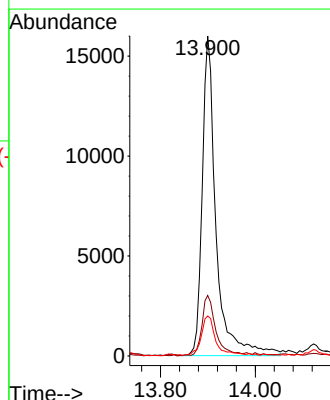
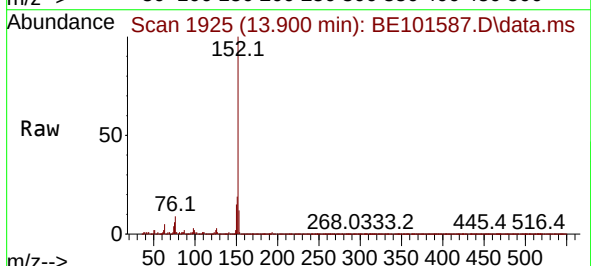
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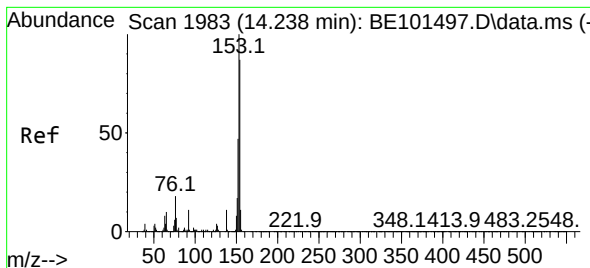
Delta R.T. -0.009 min

Lab File: BE101587.D

Acq: 12 Nov 2024 22:14

Tgt Ion:	152	Resp:	32325
Ion Ratio	Lower	Upper	
152	100		
151	18.9	15.6	23.4
153	12.5	10.3	15.5





#52

Acenaphthene

Concen: 3.334 ng

RT: 14.229 min Scan# 1983

Delta R.T. -0.009 min

Lab File: BE101587.D

Acq: 12 Nov 2024 22:14

Instrument :

BNA_E

ClientSampleId :

WC-2(0-6)DL

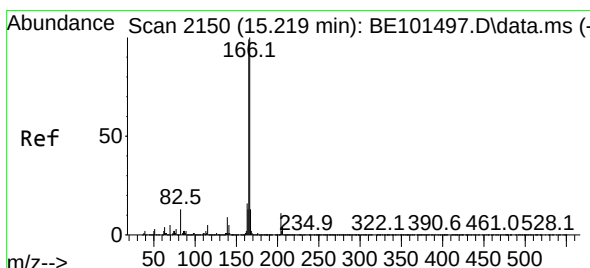
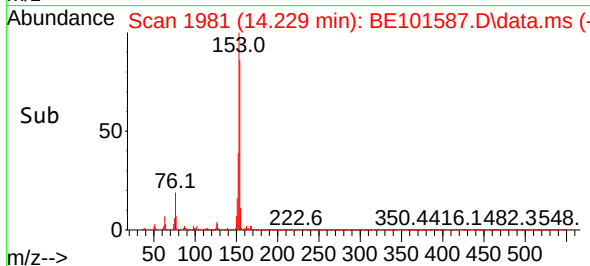
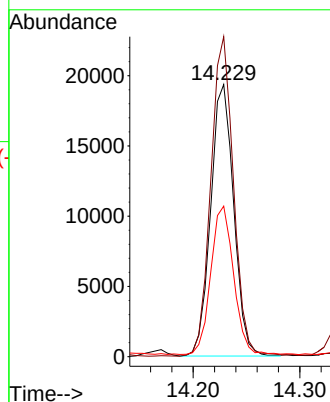
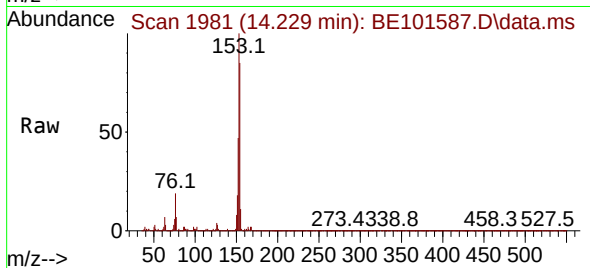
Tgt Ion:	154	Resp:	29014
Ion Ratio	Lower	Upper	
154	100		
153	117.6	92.3	138.5
152	55.3	43.6	65.4

Manual Integrations

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Supervised By :mohammad ahmed 11/13/2024



#58

Fluorene

Concen: 2.546 ng

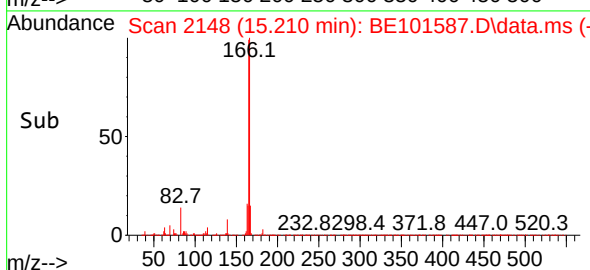
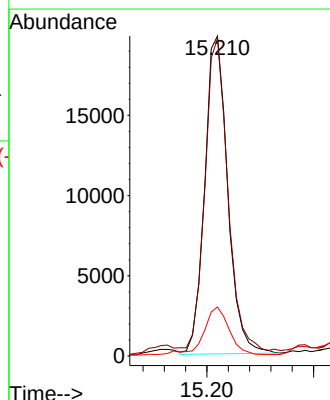
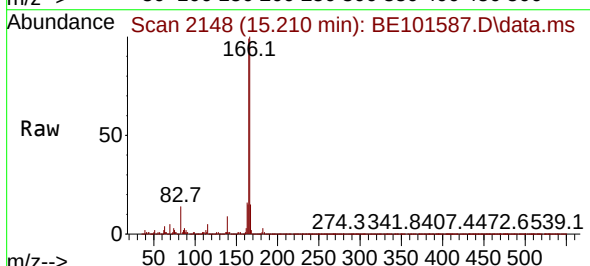
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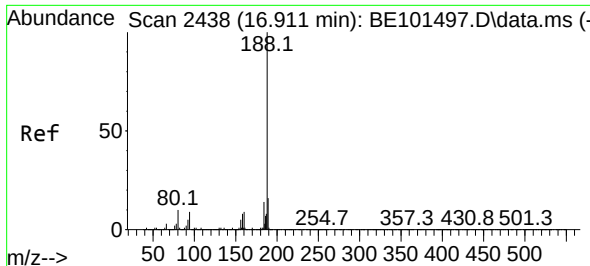
Delta R.T. -0.009 min

Lab File: BE101587.D

Acq: 12 Nov 2024 22:14

Tgt Ion:	166	Resp:	29783
Ion Ratio	Lower	Upper	
166	100		
165	99.3	79.0	118.4
167	15.3	10.6	16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.902 min Scan# 2438
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Instrument :

BNA_E

ClientSampleId :

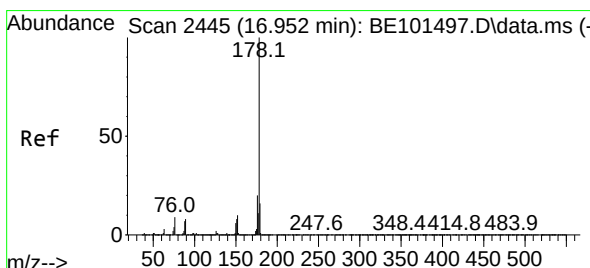
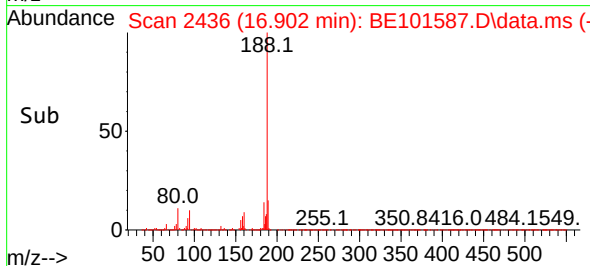
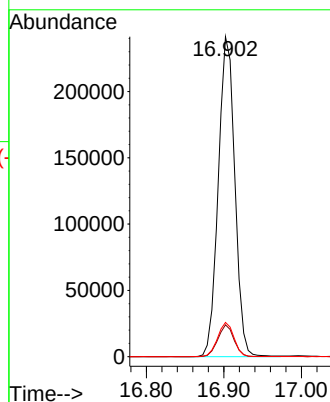
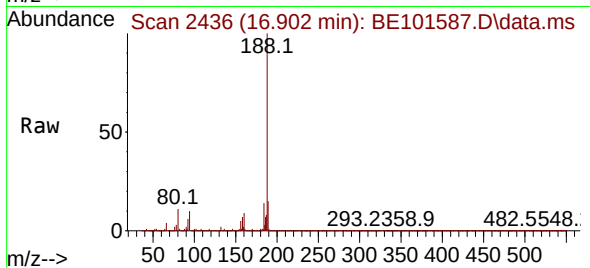
WC-2(0-6)DL

Tgt Ion:188 Resp: 35872
Ion Ratio Lower Upper
188 100
94 9.9 7.4 11.2
80 10.7 8.0 12.0

Manual Integrations

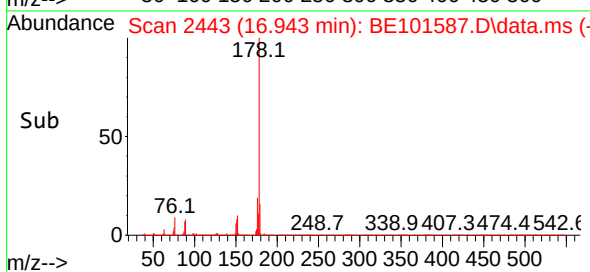
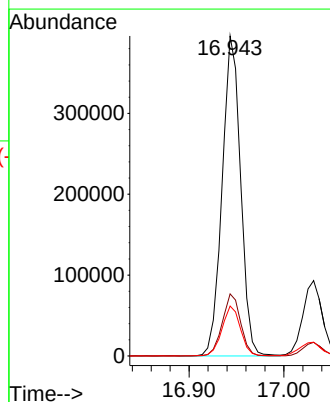
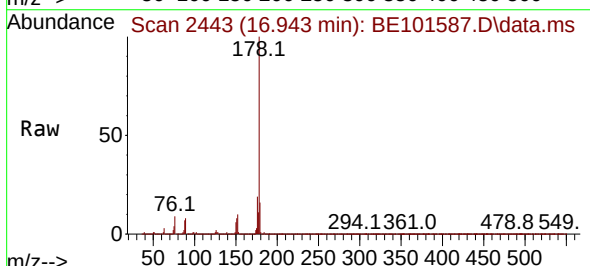
APPROVED

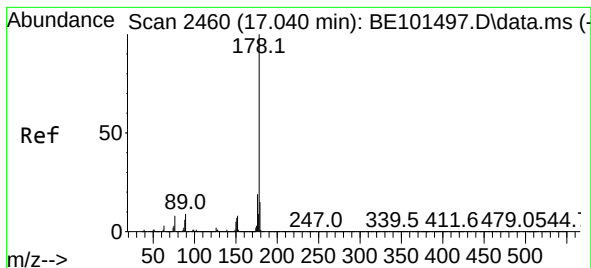
Reviewed By :Yogesh Patel 11/13/2024
Supervised By :mohammad ahmed 11/13/2024



#71
Phenanthrene
Concen: 30.658 ng
RT: 16.943 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Tgt Ion:178 Resp: 534906
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.6 12.6 19.0





#72

Anthracene

Concen: 7.685 ng

RT: 17.031 min Scan# 2460

Delta R.T. -0.009 min

Lab File: BE101587.D

Acq: 12 Nov 2024 22:14

Instrument :

BNA_E

ClientSampleId :

WC-2(0-6)DL

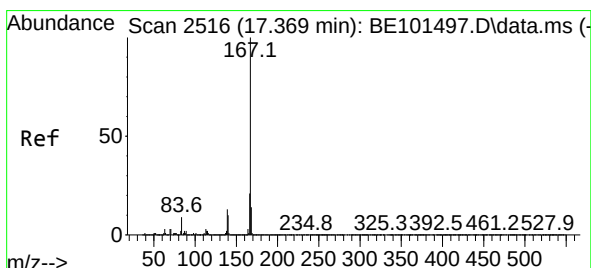
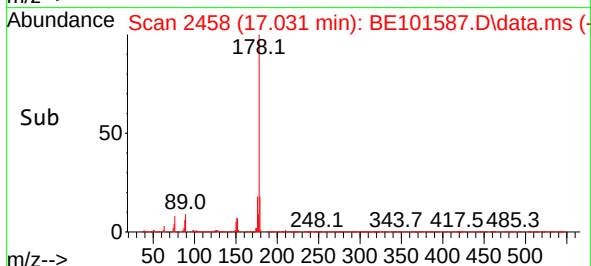
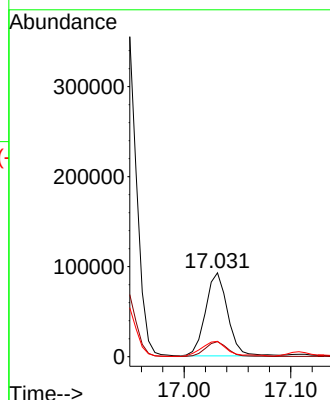
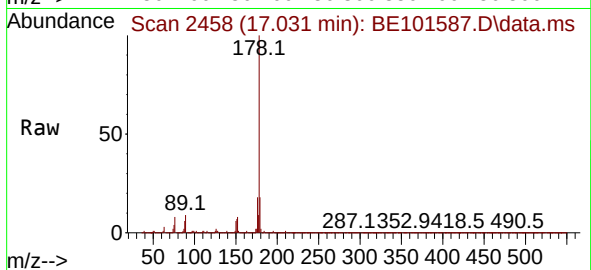
Tgt Ion:178	Resp:	13240
Ion Ratio	Lower	Upper
178	100	
176	18.0	15.1 22.7
179	18.2	12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/13/2024

Supervised By :mohammad ahmed 11/13/2024



#73

Carbazole

Concen: 2.649 ng

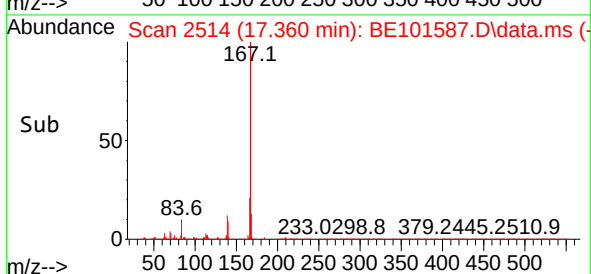
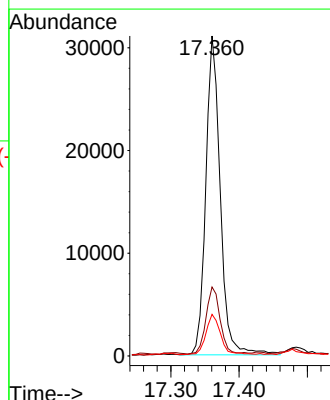
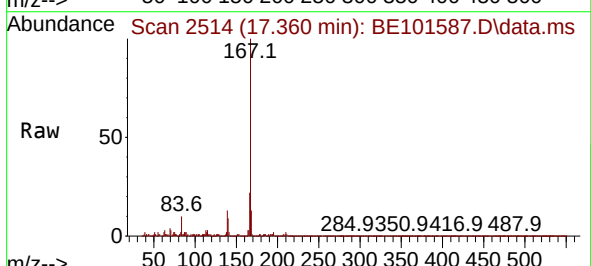
RT: 17.360 min Scan# 2514

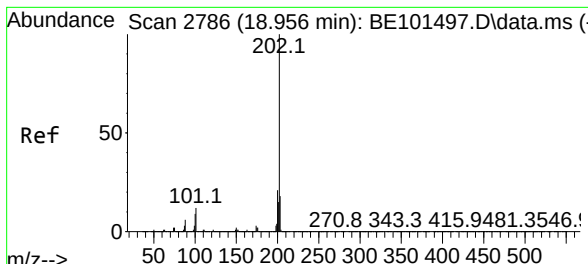
Delta R.T. -0.009 min

Lab File: BE101587.D

Acq: 12 Nov 2024 22:14

Tgt Ion:167	Resp:	45772
Ion Ratio	Lower	Upper
167	100	
166	21.5	17.1 25.7
139	13.0	10.2 15.2





#75
 Fluoranthene
 Concen: 38.209 ng
 RT: 18.953 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BE101587.D
 Acq: 12 Nov 2024 22:14

Instrument :

BNA_E

ClientSampleId :

WC-2(0-6)DL

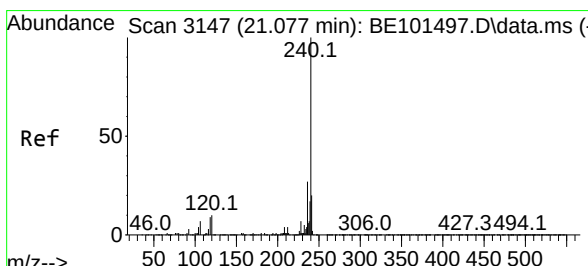
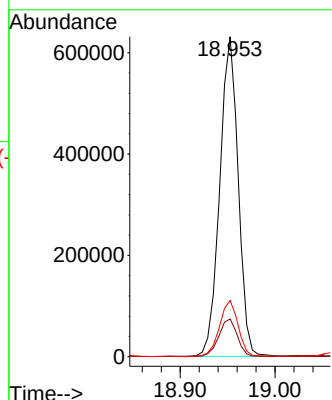
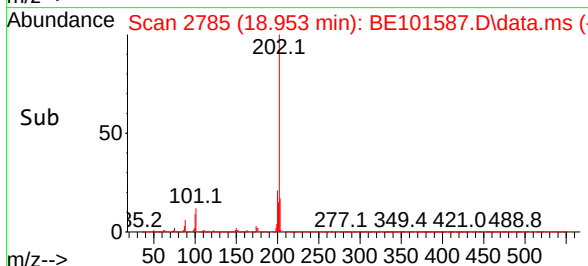
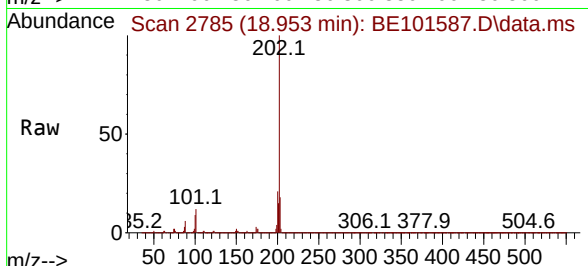
Tgt Ion:	202	Resp:	85473
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	31.7
203	17.6	0.0	37.8

Manual Integrations

APPROVED

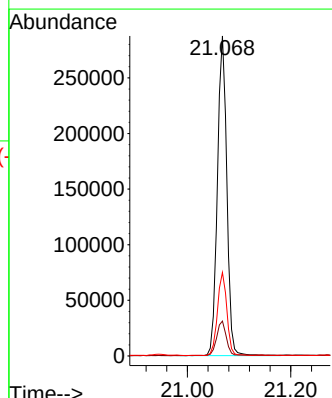
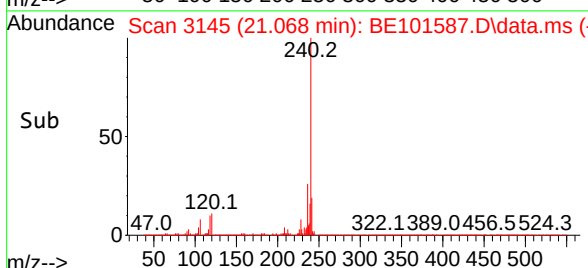
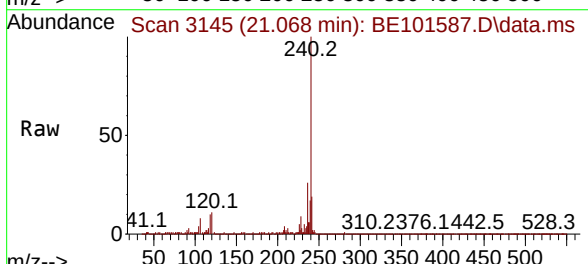
Reviewed By :Yogesh Patel 11/13/2024

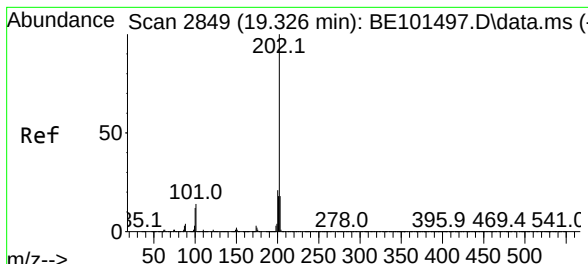
Supervised By :mohammad ahmed 11/13/2024



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.068 min Scan# 3145
 Delta R.T. -0.009 min
 Lab File: BE101587.D
 Acq: 12 Nov 2024 22:14

Tgt Ion:	240	Resp:	362587
Ion Ratio	Lower	Upper	
240	100		
120	10.9	8.2	12.4
236	26.1	21.4	32.2





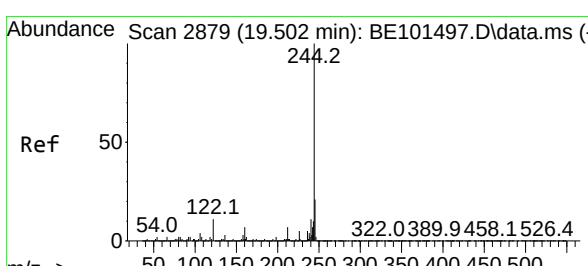
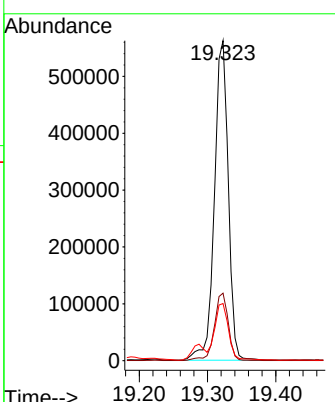
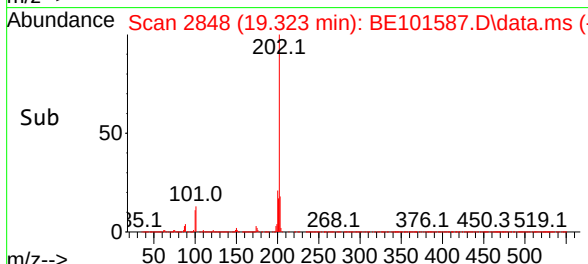
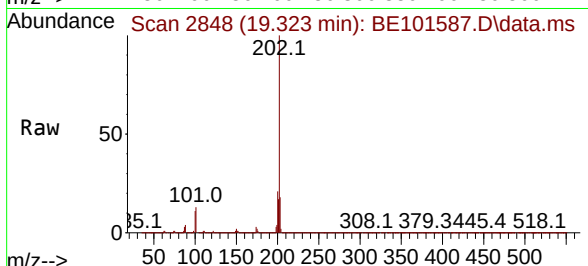
#78
 Pyrene
 Concen: 38.534 ng
 RT: 19.323 min Scan# 2848
 Delta R.T. -0.003 min
 Lab File: BE101587.D
 Acq: 12 Nov 2024 22:14

Instrument : BNA_E
 ClientSampleId : WC-2(0-6)DL

Tgt Ion:	202	Resp:	79499
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.2	25.8
203	17.9	14.2	21.4

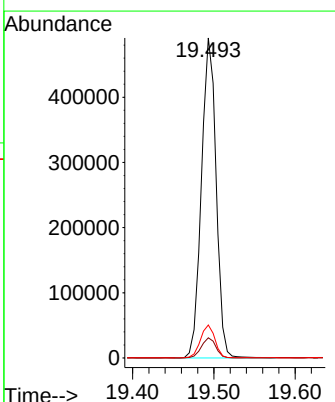
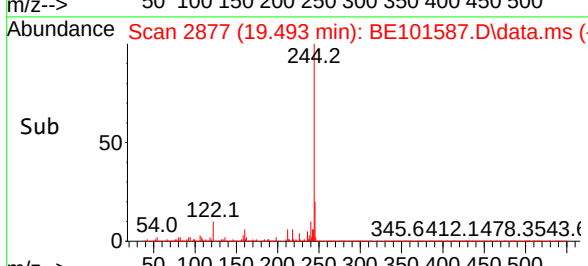
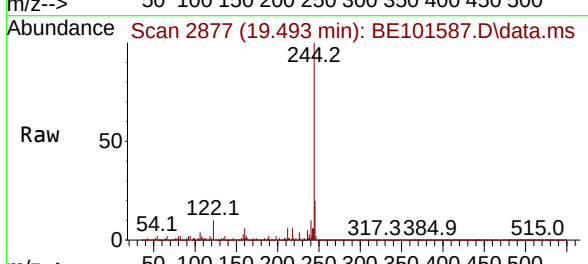
Manual Integrations
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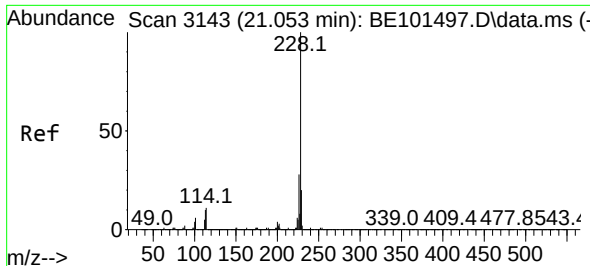
Reviewed By :Yogesh Patel 11/13/2024
 Supervised By :mohammad ahmed 11/13/2024



#79
 Terphenyl-d14
 Concen: 37.548 ng
 RT: 19.493 min Scan# 2877
 Delta R.T. -0.009 min
 Lab File: BE101587.D
 Acq: 12 Nov 2024 22:14

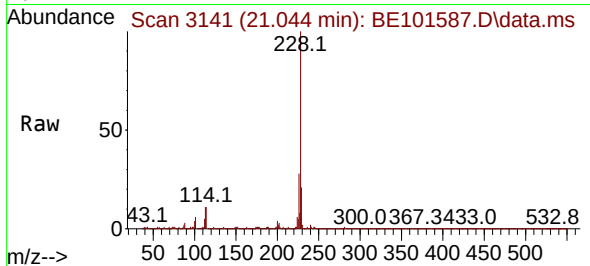
Tgt Ion:	244	Resp:	615043
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.8	8.8
122	10.3	8.4	12.6





#81
Benzo(a)anthracene
Concen: 21.134 ng
RT: 21.044 min Scan# 3141
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

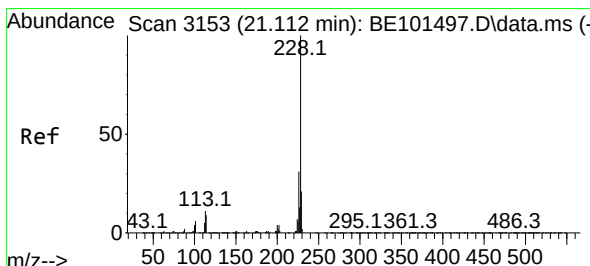
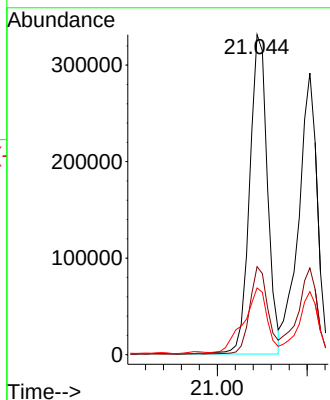
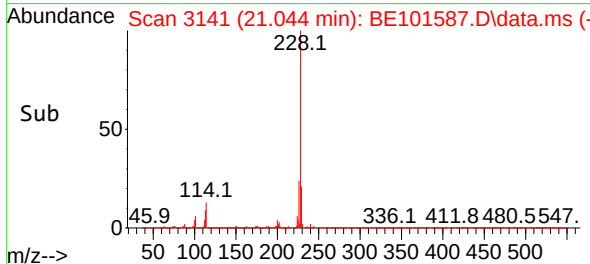
Instrument :
BNA_E
ClientSampleId :
WC-2(0-6)DL



Tgt Ion:228 Resp: 455100
Ion Ratio Lower Upper
228 100
226 27.5 22.4 33.6
229 20.9 16.1 24.1

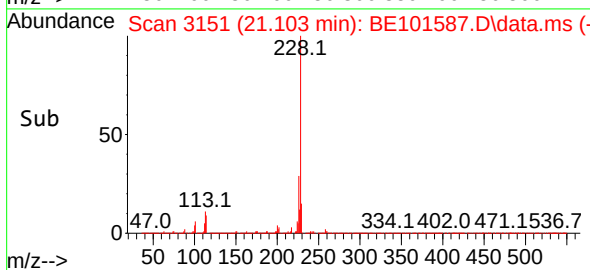
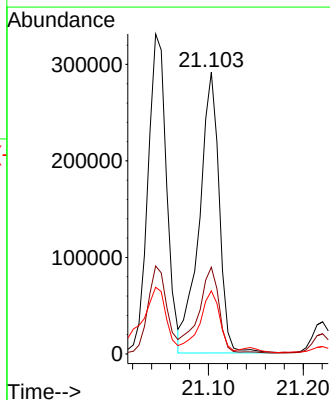
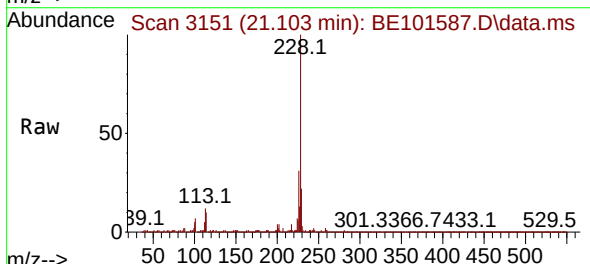
Manual Integrations
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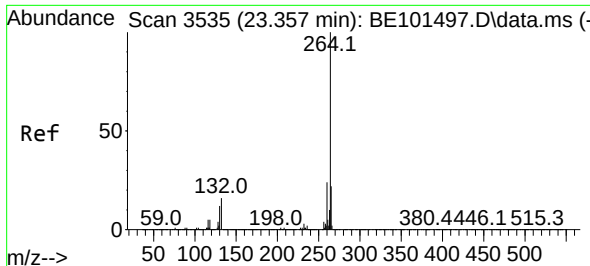
Reviewed By :Yogesh Patel 11/13/2024
Supervised By :mohammad ahmed 11/13/2024



#83
Chrysene
Concen: 20.648 ng
RT: 21.103 min Scan# 3151
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Tgt Ion:228 Resp: 422633
Ion Ratio Lower Upper
228 100
226 30.8 25.1 37.7
229 22.4 16.4 24.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.353 min Scan# 30
 Delta R.T. -0.003 min
 Lab File: BE101587.D
 Acq: 12 Nov 2024 22:14

Instrument :

BNA_E

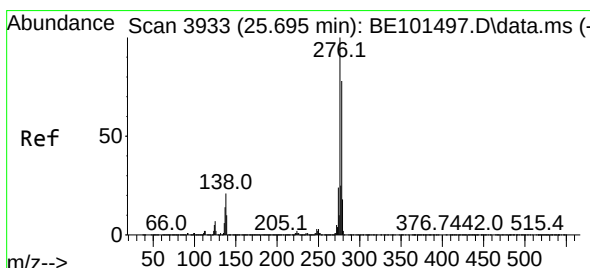
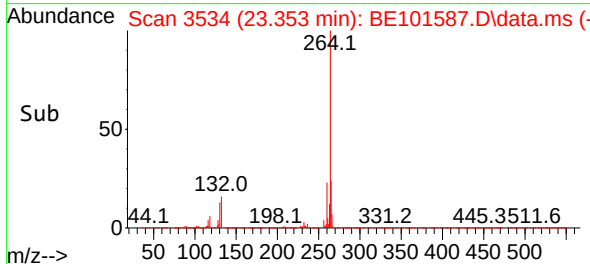
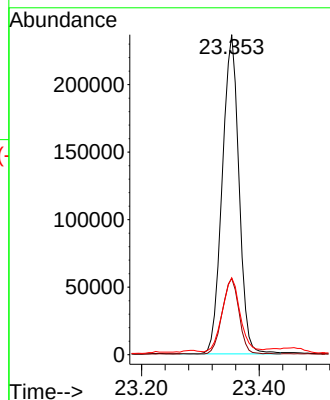
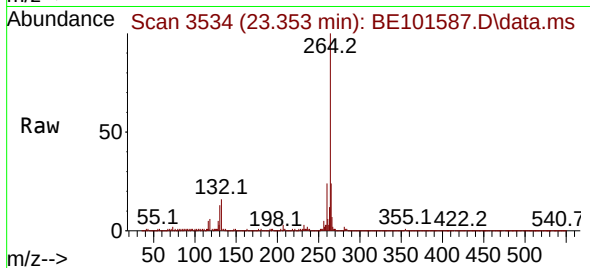
ClientSampleId :

WC-2(0-6)DL

Tgt Ion:264 Resp: 46666
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.4 29.2
 265 24.0 17.4 26.2

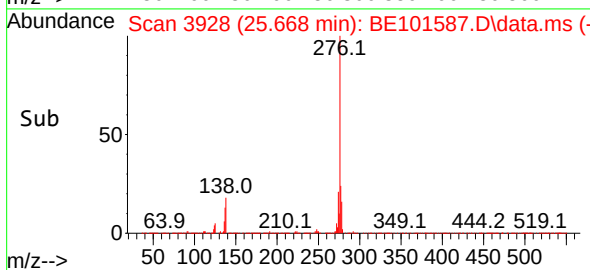
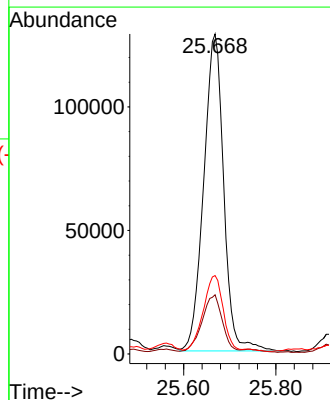
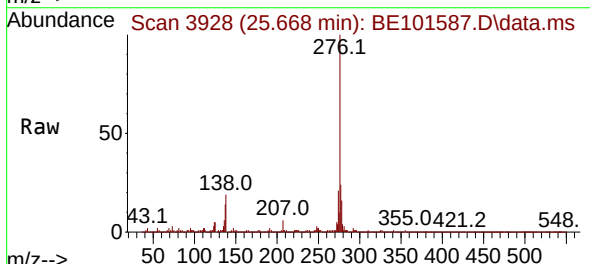
Manual Integrations
 APPROVED

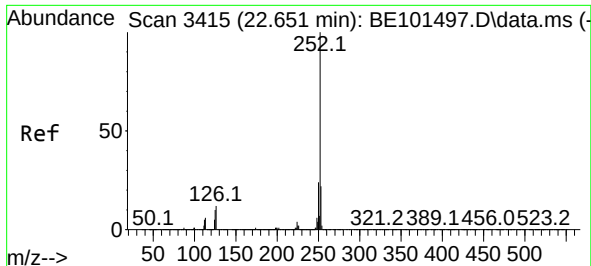
Reviewed By :Yogesh Patel 11/13/2024
 Supervised By :mohammad ahmed 11/13/2024



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 12.083 ng
 RT: 25.668 min Scan# 3928
 Delta R.T. -0.027 min
 Lab File: BE101587.D
 Acq: 12 Nov 2024 22:14

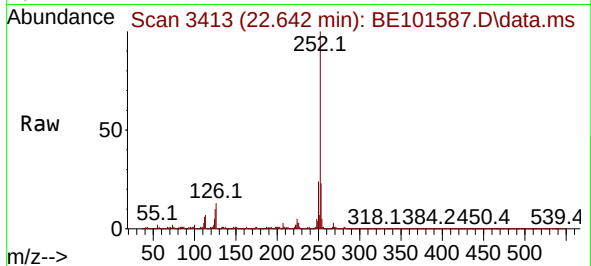
Tgt Ion:276 Resp: 387507
 Ion Ratio Lower Upper
 276 100
 138 18.3 17.0 25.6
 277 23.0 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 21.769 ng
RT: 22.642 min Scan# 3415
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

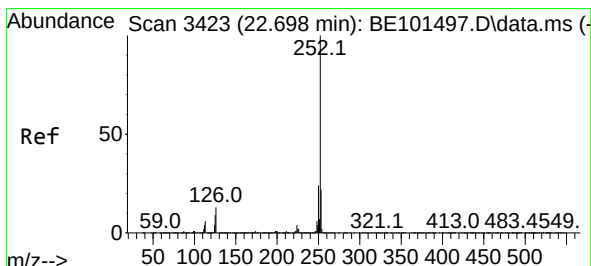
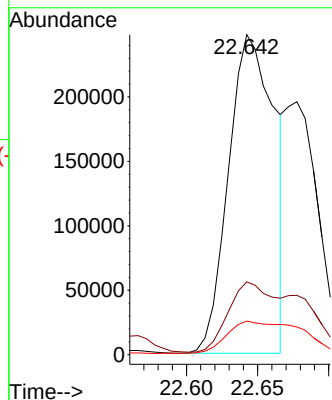
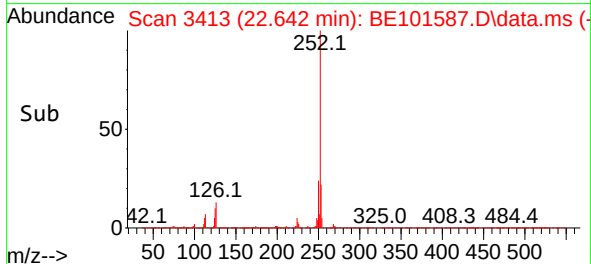
Instrument :
BNA_E
ClientSampleId :
WC-2(0-6)DL



Tgt Ion:252 Resp: 55736
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 10.5 7.8 11.8

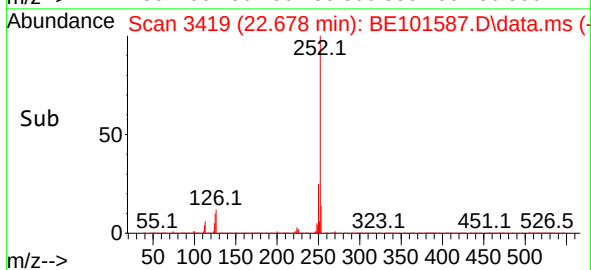
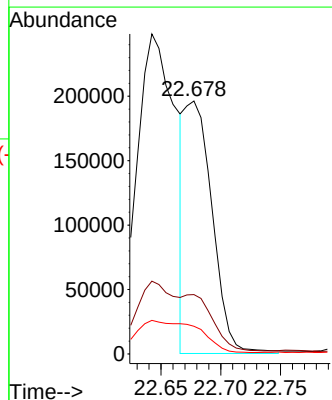
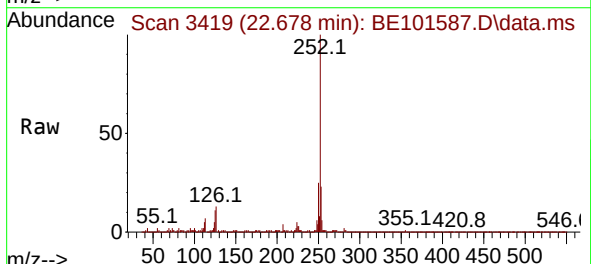
Manual Integrations
APPROVED

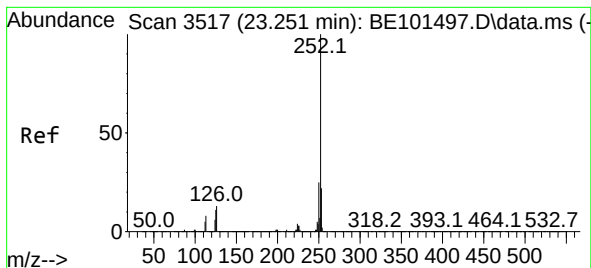
Reviewed By :Yogesh Patel 11/13/2024
Supervised By :mohammad ahmed 11/13/2024



#89
Benzo(k)fluoranthene
Concen: 13.465 ng m
RT: 22.678 min Scan# 3419
Delta R.T. -0.021 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Tgt Ion:252 Resp: 312950
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 11.0 7.7 11.5





#90

Benzo(a)pyrene

Concen: 22.079 ng

RT: 23.242 min Scan# 31

Delta R.T. -0.009 min

Lab File: BE101587.D

Acq: 12 Nov 2024 22:14

Instrument :

BNA_E

ClientSampleId :

WC-2(0-6)DL

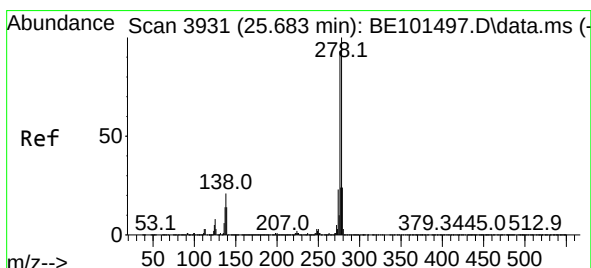
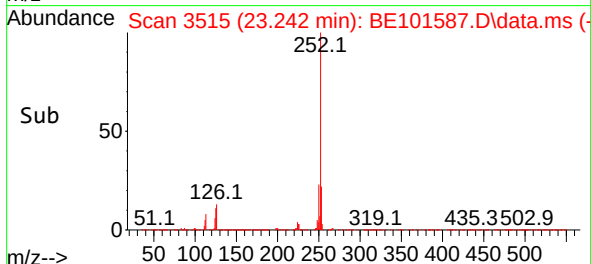
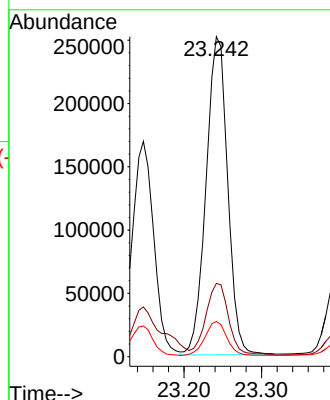
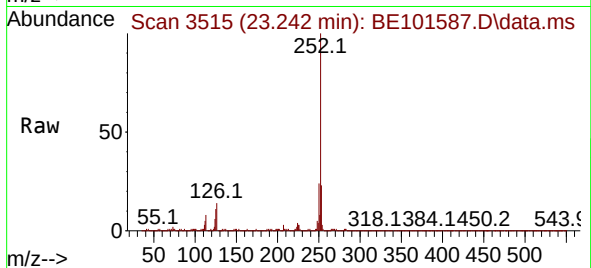
Tgt Ion:252 Resp: 488034
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.6 26.4
 125 11.0 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/13/2024

Supervised By :mohammad ahmed 11/13/2024



#91

Dibenzo(a,h)anthracene

Concen: 3.957 ng

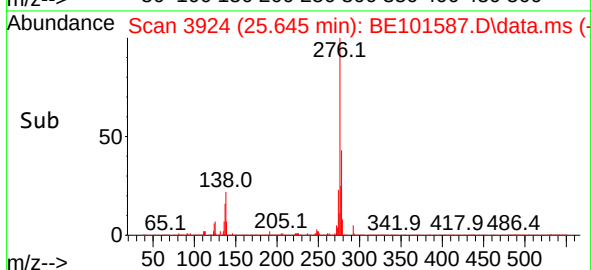
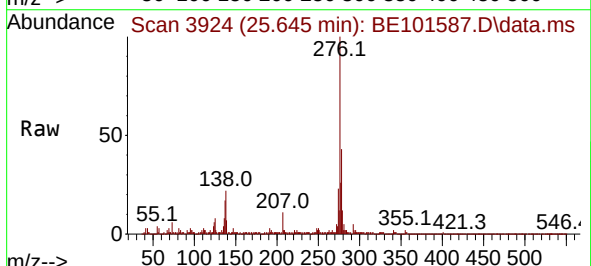
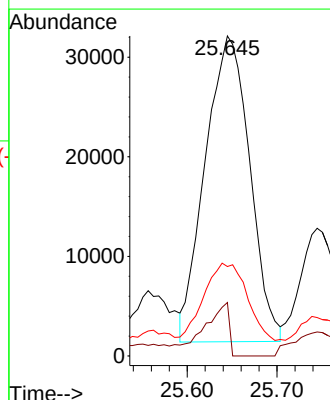
RT: 25.645 min Scan# 3924

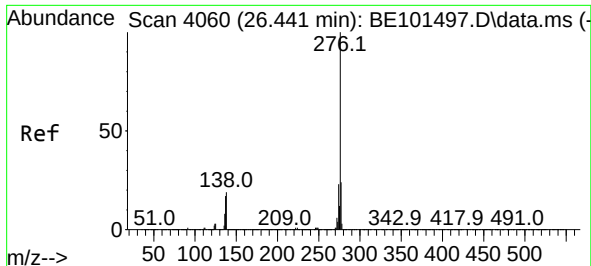
Delta R.T. -0.038 min

Lab File: BE101587.D

Acq: 12 Nov 2024 22:14

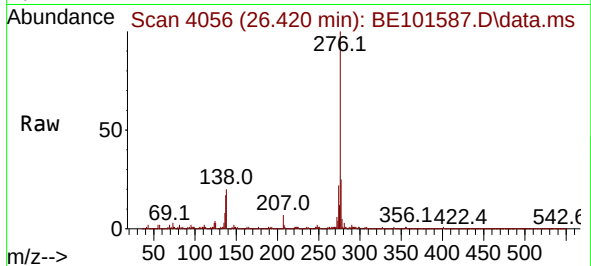
Tgt Ion:278 Resp: 105695
 Ion Ratio Lower Upper
 278 100
 139 16.7 11.2 16.8
 279 28.0 19.1 28.7





#92
Benzo(g,h,i)perylene
Concen: 14.086 ng
RT: 26.420 min Scan# 4060
Delta R.T. -0.021 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Instrument :
BNA_E
ClientSampleId :
WC-2(0-6)DL



Tgt Ion:276 Resp: 38222
Ion Ratio Lower Upper
276 100
277 25.2 19.5 29.3
138 19.7 15.3 22.9

Manual Integrations
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Reviewed By :Yogesh Patel 11/13/2024
Supervised By :mohammad ahmed 11/13/2024

