

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
 Data File : BE101588.D
 Acq On : 12 Nov 2024 22:50
 Operator : RC/JU
 Sample : P4768-06DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-6-2DL

Manual Integrations
 APPROVED

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

Quant Time: Nov 13 00:18:44 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	7.552	152	53219	20.000	ng	-0.01
21) Naphthalene-d8	10.320	136	241831	20.000	ng	-0.01
39) Acenaphthene-d10	14.168	164	163173	20.000	ng	0.00
64) Phenanthrene-d10	16.906	188	354194	20.000	ng	0.00
76) Chrysene-d12	21.066	240	366638	20.000	ng	-0.01
86) Perylene-d12	23.351	264	478806	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.308	112	121122	40.242	ng	0.00
7) Phenol-d6	6.941	99	161141	39.048	ng	0.00
23) Nitrobenzene-d5	8.763	82	95283	24.887	ng	-0.01
42) 2,4,6-Tribromophenol	15.672	330	106170	34.578	ng	-0.01
45) 2-Fluorobiphenyl	12.787	172	273405	27.358	ng	-0.01
79) Terphenyl-d14	19.497	244	514083	31.038	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.898	152	65119	4.922	ng	97
58) Fluorene	15.208	166	31711	2.795	ng	# 98
71) Phenanthrene	16.947	178	546695	31.735	ng	99
72) Anthracene	17.029	178	155450	9.138	ng	98
75) Fluoranthene	18.957	202	841620	38.104	ng	100
78) Pyrene	19.321	202	692212	33.182	ng	100
81) Benzo(a)anthracene	21.048	228	488034	22.413	ng	99
83) Chrysene	21.101	228	389924	18.840	ng	97
87) Indeno(1,2,3-cd)pyrene	25.666	276	211123	6.416	ng	96
88) Benzo(b)fluoranthene	22.646	252	334503	12.734	ng	99
89) Benzo(k)fluoranthene	22.676	252	323257m	13.556	ng	
90) Benzo(a)pyrene	23.240	252	359102	15.834	ng	97
91) Dibenzo(a,h)anthracene	25.649	278	71844	2.622	ng	# 87
92) Benzo(g,h,i)perylene	26.418	276	174673	6.274	ng	99

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

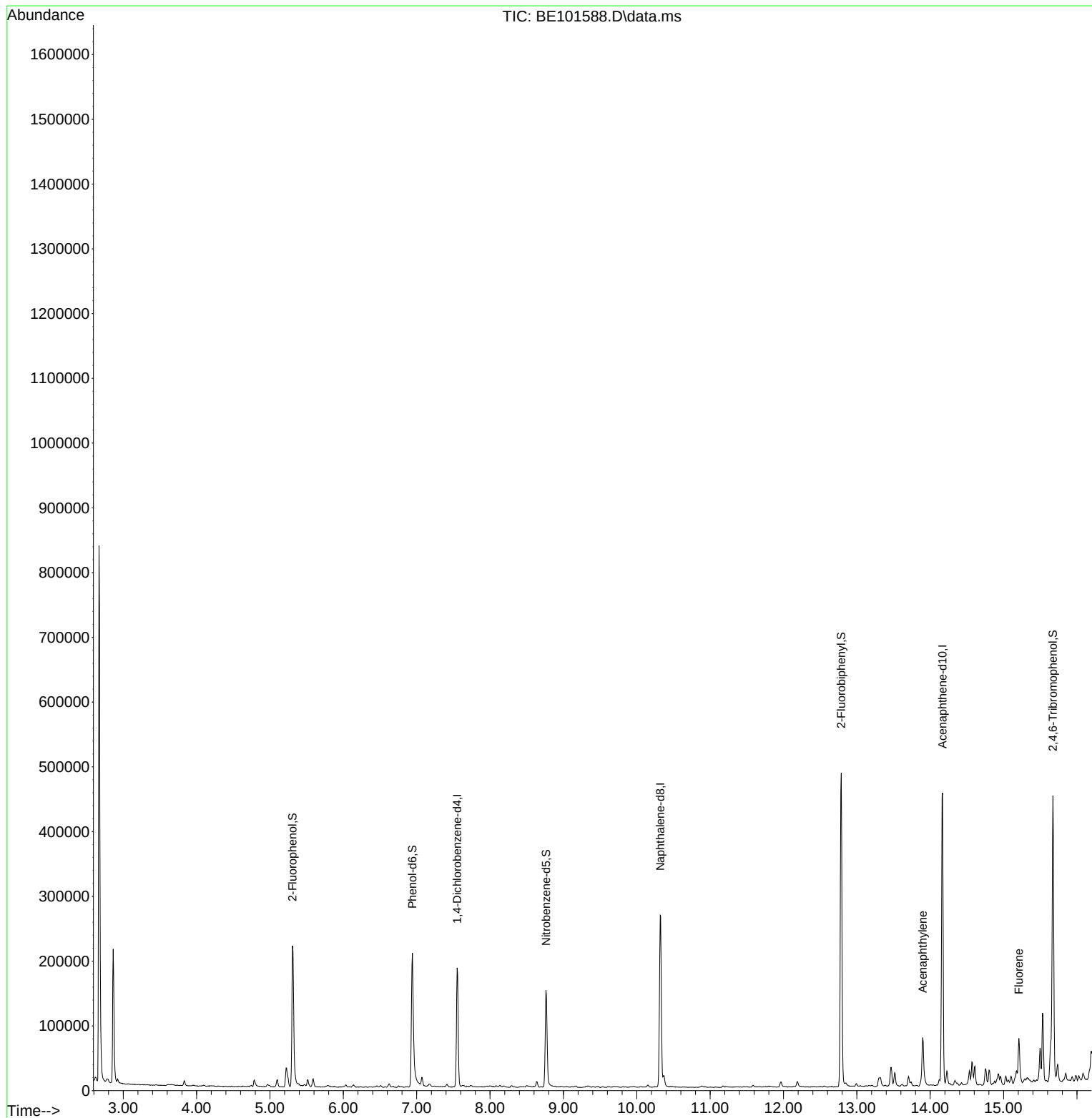
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101588.D
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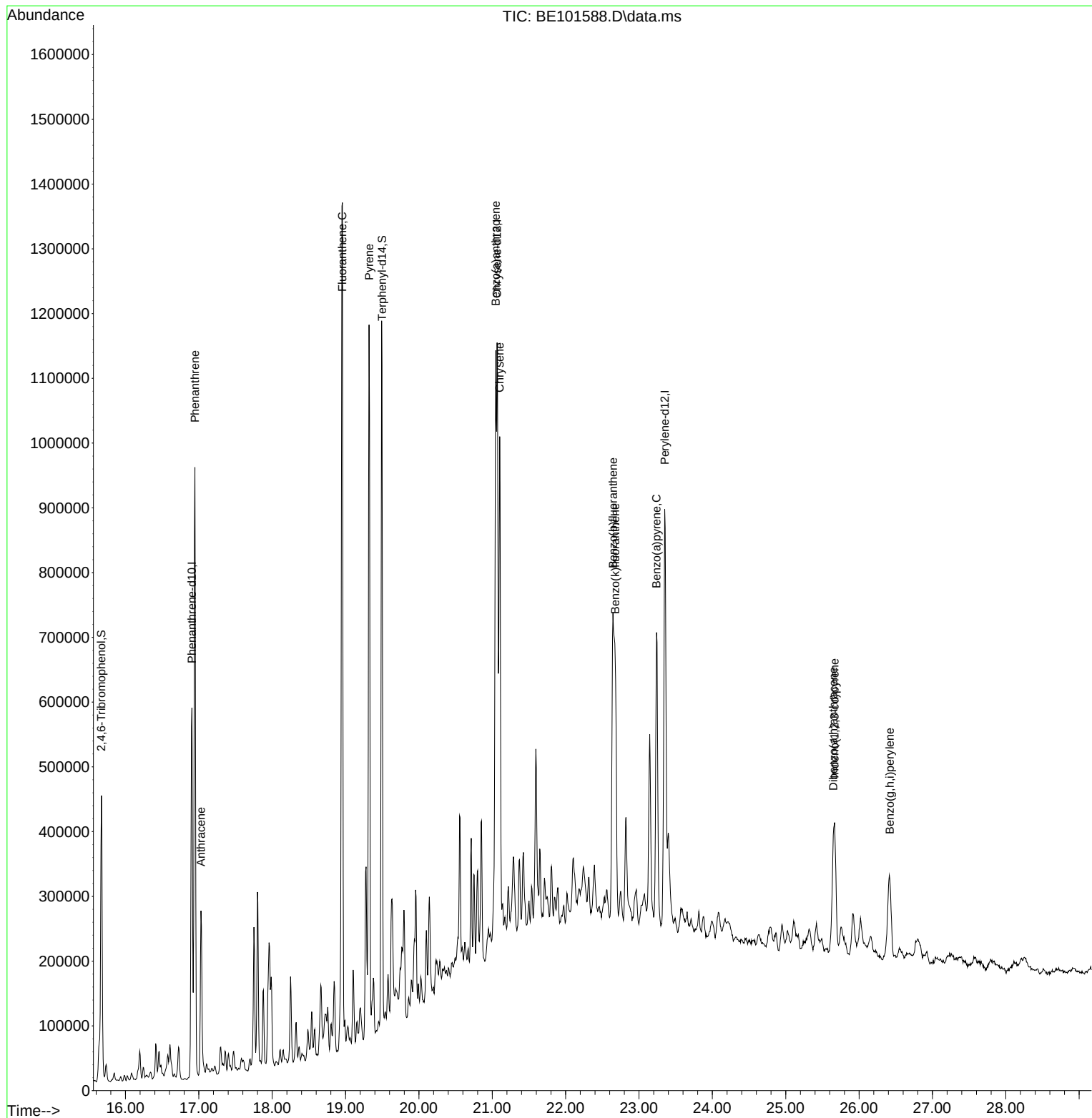
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Acq On : 12 Nov 2024 22:50
Operator : RC/JU
Sample : P4768-06DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

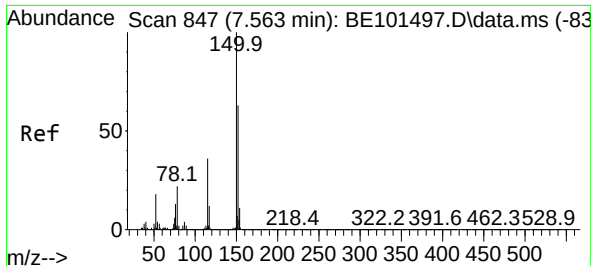
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BNA_E
ClientSampleId :
B-6-2DL

Quant Time: Nov 13 00:18:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
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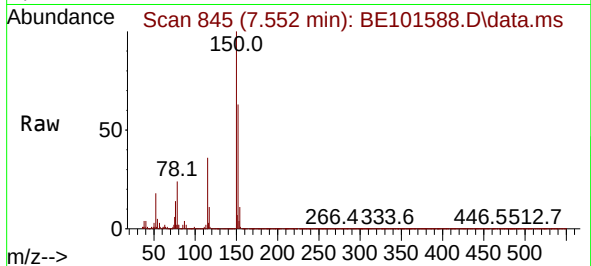
Reviewed By :Yogesh Patel 11/13/2024
Supervised By :mohammad ahmed 11/13/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.552 min Scan# 84
Delta R.T. -0.011 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

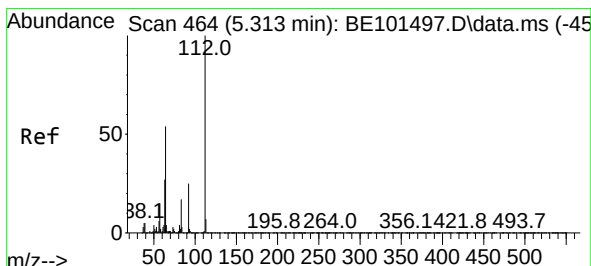
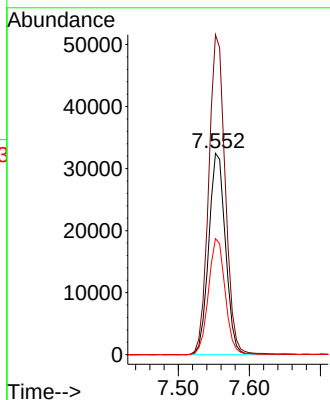
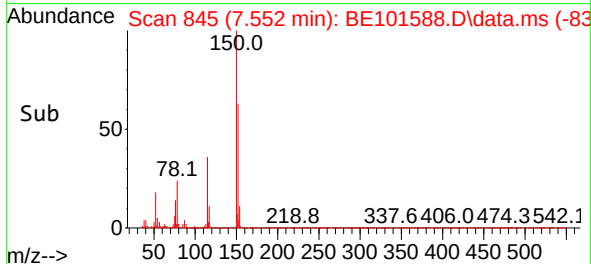
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BNA_E
ClientSampleId :
B-6-2DL



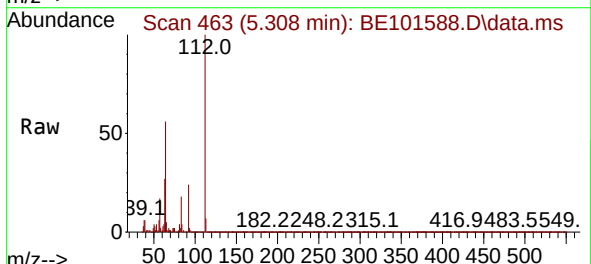
Tgt Ion:152 Resp: 53219
Ion Ratio Lower Upper
152 100
150 159.0 126.3 189.5
115 57.7 45.0 67.4

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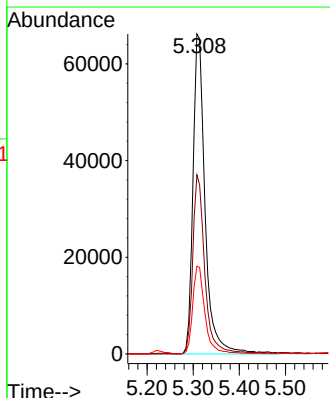
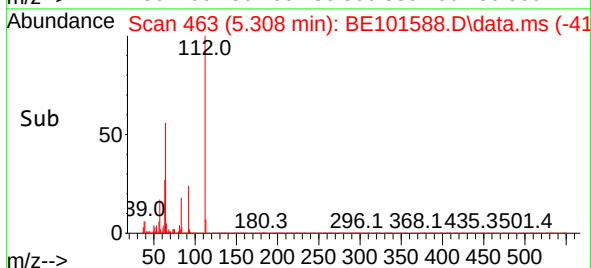
Reviewed By :Yogesh Patel 11/13/2024
Supervised By :mohammad ahmed 11/13/2024

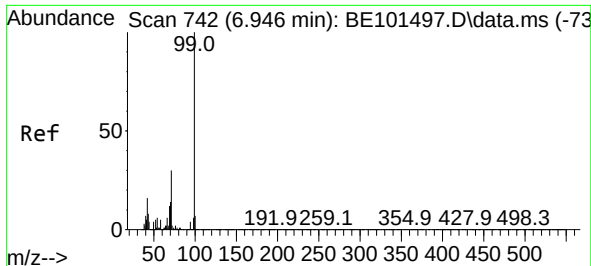


#5
2-Fluorophenol
Concen: 40.242 ng
RT: 5.308 min Scan# 463
Delta R.T. -0.005 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50



Tgt Ion:112 Resp: 121122
Ion Ratio Lower Upper
112 100
64 55.9 43.2 64.8
63 27.5 21.8 32.6





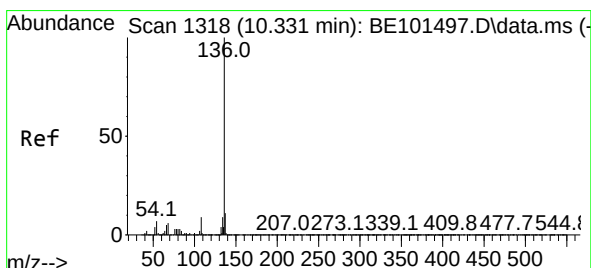
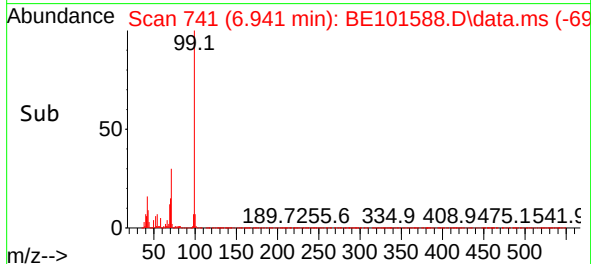
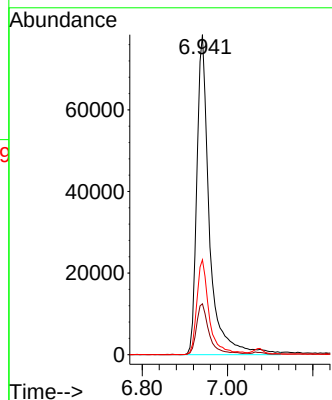
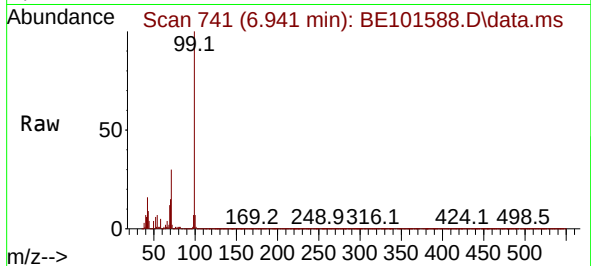
#7
Phenol-d6
Concen: 39.048 ng
RT: 6.941 min Scan# 741
Delta R.T. -0.005 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Instrument :
BNA_E
ClientSampleId :
B-6-2DL

Tgt Ion: 99 Resp: 16114
Ion Ratio Lower Upper
99 100
42 15.9 12.5 18.7
71 29.6 24.2 36.2

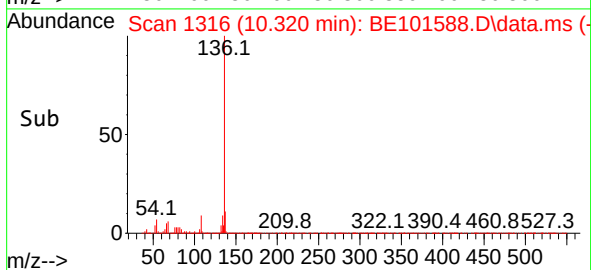
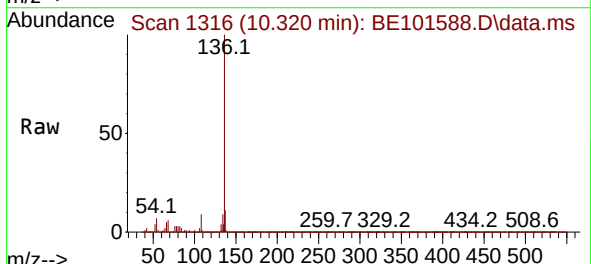
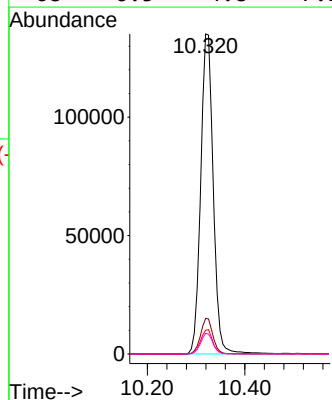
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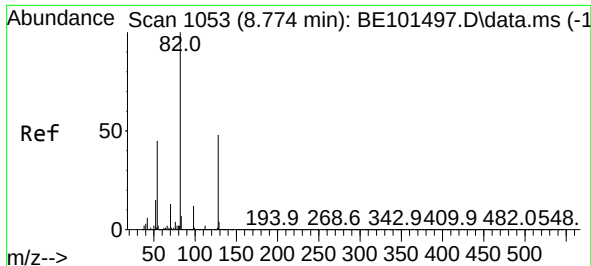
Reviewed By :Yogesh Patel 11/13/2024
Supervised By :mohammad ahmed 11/13/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.320 min Scan# 1316
Delta R.T. -0.011 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Tgt Ion:136 Resp: 241831
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.4 5.6 8.4
68 6.5 4.8 7.2





#23
Nitrobenzene-d5
Concen: 24.887 ng
RT: 8.763 min Scan# 1051
Delta R.T. -0.011 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Instrument :

BNA_E

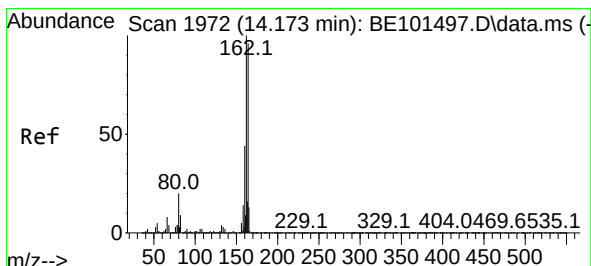
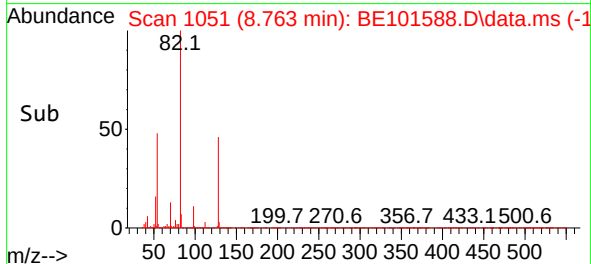
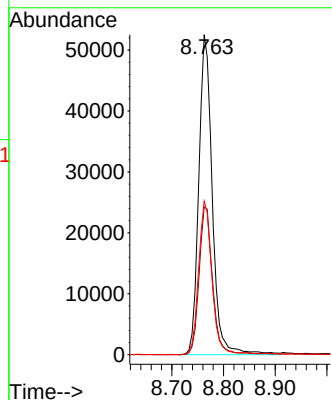
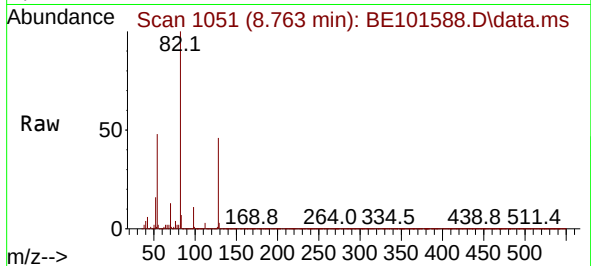
ClientSampleId :

B-6-2DL

Tgt Ion: 82 Resp: 9528
Ion Ratio Lower Upper
82 100
128 46.1 38.6 58.0
54 47.9 36.3 54.5

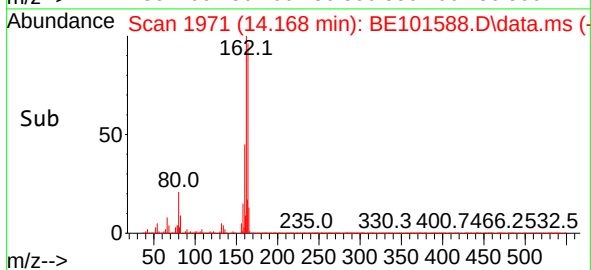
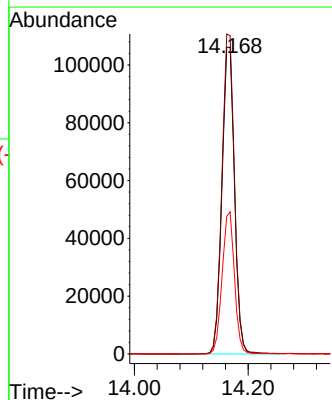
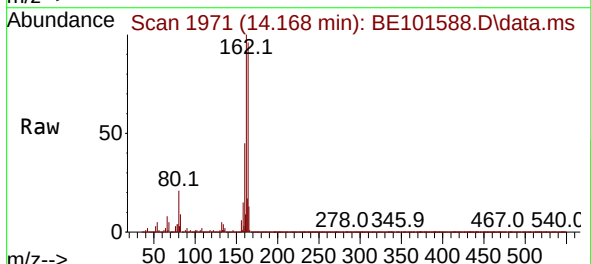
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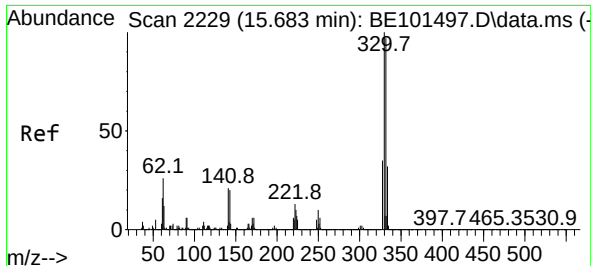
Reviewed By :Yogesh Patel 11/13/2024
Supervised By :mohammad ahmed 11/13/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.168 min Scan# 1971
Delta R.T. -0.005 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

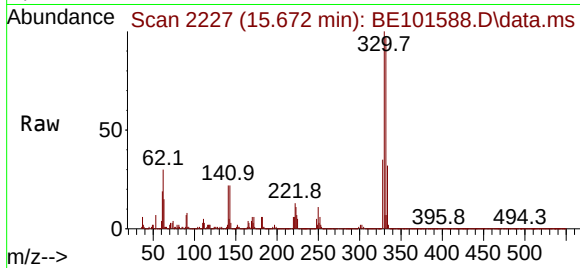
Tgt Ion:164 Resp: 163173
Ion Ratio Lower Upper
164 100
162 103.7 83.7 125.5
160 46.3 37.1 55.7





#42
2,4,6-Tribromophenol
Concen: 34.578 ng
RT: 15.672 min Scan# 21
Delta R.T. -0.011 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

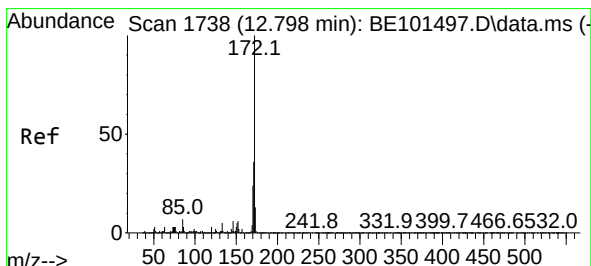
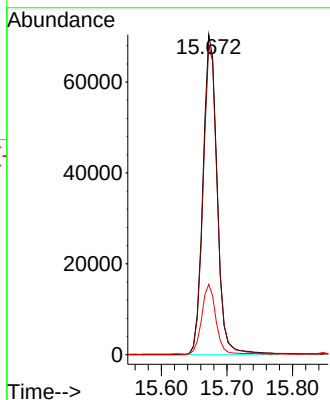
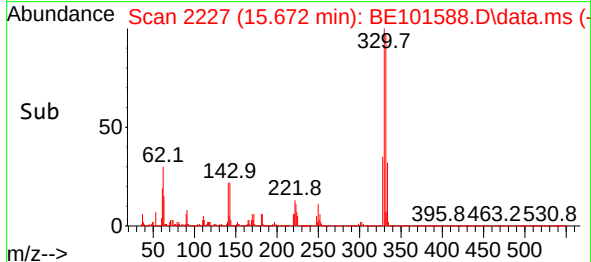
Instrument :
BNA_E
ClientSampleId :
B-6-2DL



Tgt Ion:330 Resp: 106170
Ion Ratio Lower Upper
330 100
332 97.6 77.7 116.5
141 21.5 17.0 25.4

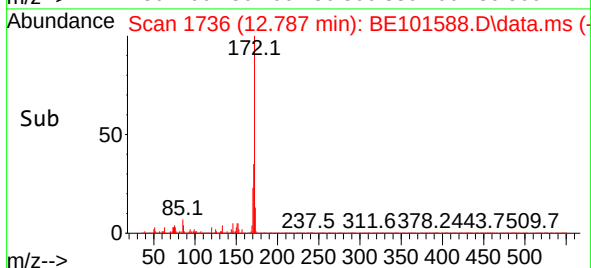
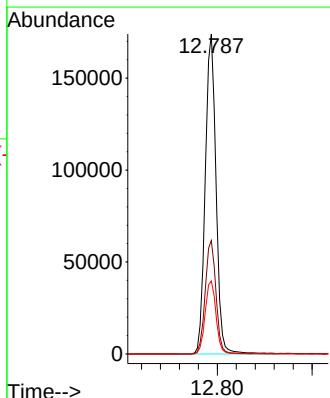
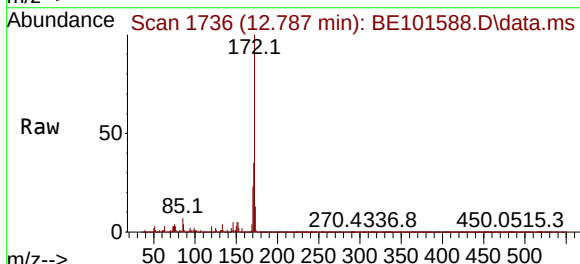
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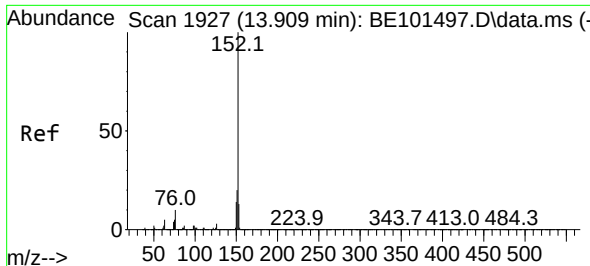
Reviewed By :Yogesh Patel 11/13/2024
Supervised By :mohammad ahmed 11/13/2024



#45
2-Fluorobiphenyl
Concen: 27.358 ng
RT: 12.787 min Scan# 1736
Delta R.T. -0.011 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Tgt Ion:172 Resp: 273405
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 22.8 18.9 28.3





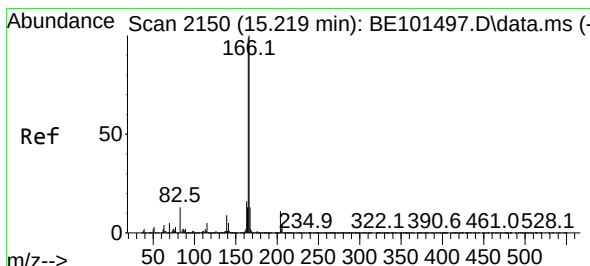
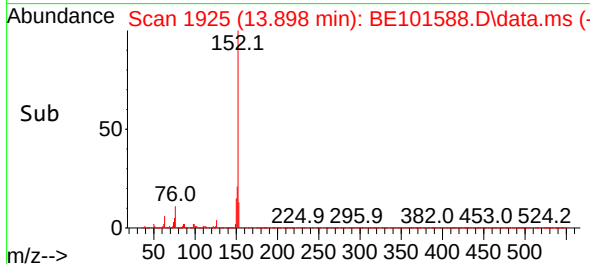
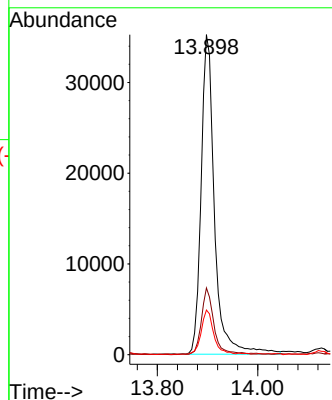
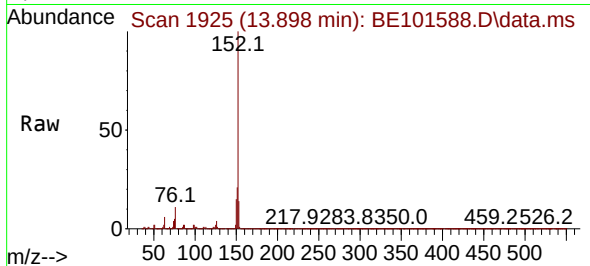
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Acenaphthylene
Concen: 4.922 ng
RT: 13.898 min Scan# 1925
Delta R.T. -0.011 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Instrument :
BNA_E
Client Sample Id :
B-6-2DL

Tgt Ion:152 Resp: 65119
Ion Ratio Lower Upper
152 100
151 20.8 15.6 23.4
153 14.0 10.3 15.5

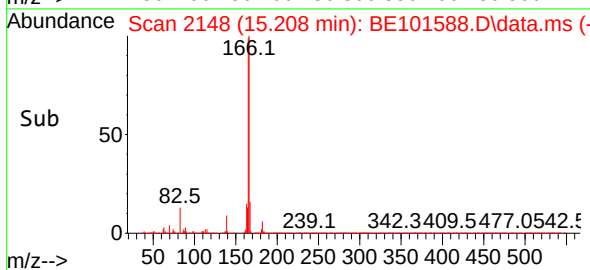
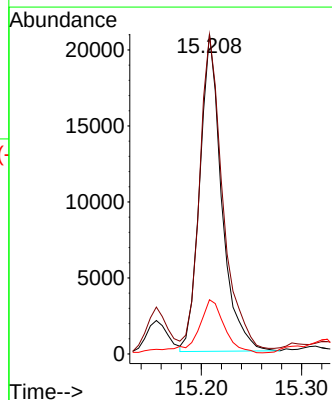
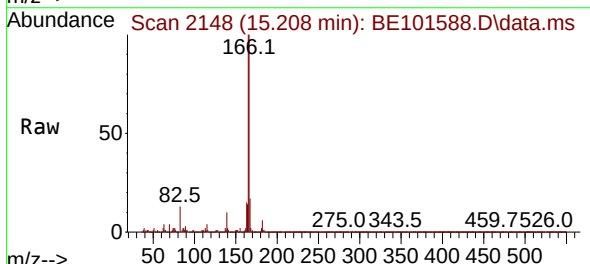
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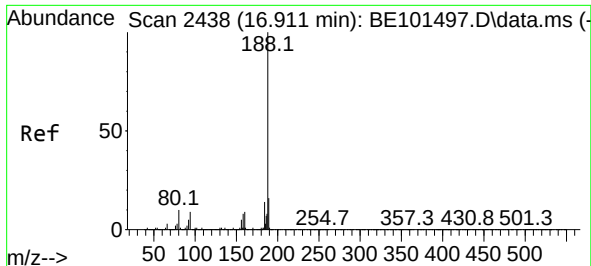
Reviewed By :Yogesh Patel 11/13/2024
Supervised By :mohammad ahmed 11/13/2024



#58
Fluorene
Concen: 2.795 ng
RT: 15.208 min Scan# 2148
Delta R.T. -0.011 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Tgt Ion:166 Resp: 31711
Ion Ratio Lower Upper
166 100
165 99.8 79.0 118.4
167 17.0 10.6 16.0#





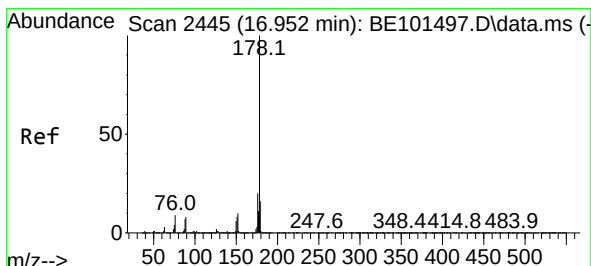
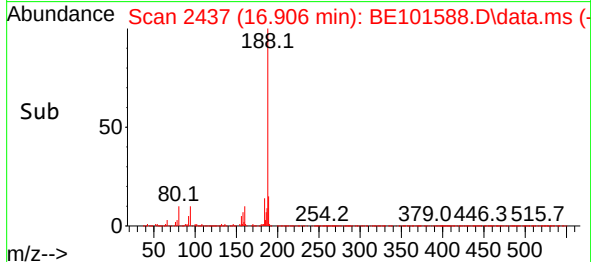
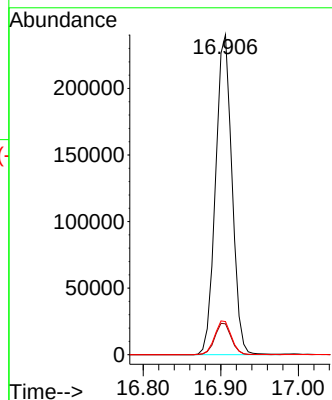
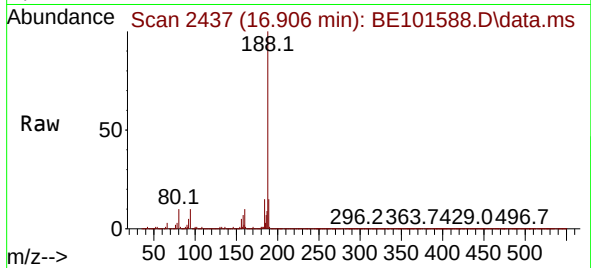
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.906 min Scan# 2438
Delta R.T. -0.005 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Instrument :
BNA_E
ClientSampleId :
B-6-2DL

Tgt Ion:188 Resp: 354194
Ion Ratio Lower Upper
188 100
94 9.7 7.4 11.2
80 10.4 8.0 12.0

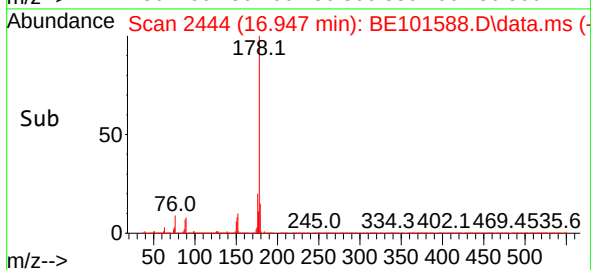
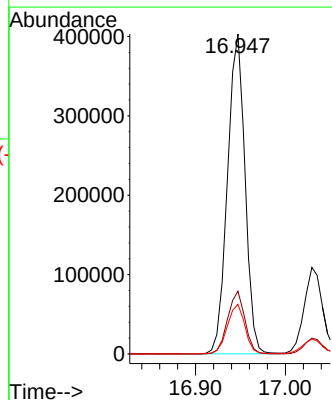
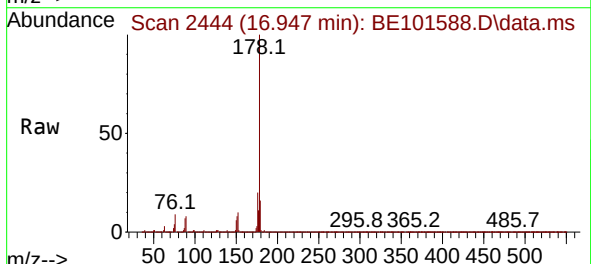
Manual Integrations
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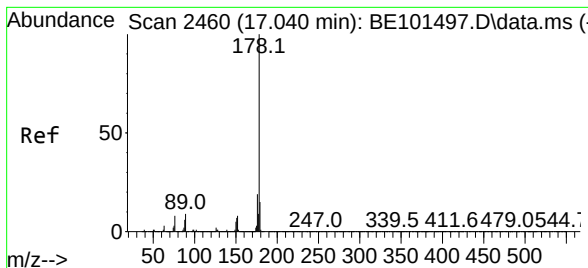
Reviewed By :Yogesh Patel 11/13/2024
Supervised By :mohammad ahmed 11/13/2024



#71
Phenanthrene
Concen: 31.735 ng
RT: 16.947 min Scan# 2444
Delta R.T. -0.005 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Tgt Ion:178 Resp: 546695
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.5 12.6 19.0





#72

Anthracene

Concen: 9.138 ng

RT: 17.029 min Scan# 2460

Delta R.T. -0.011 min

Lab File: BE101588.D

Acq: 12 Nov 2024 22:50

Instrument :

BNA_E

ClientSampleId :

B-6-2DL

Tgt Ion:178 Resp: 155450

Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

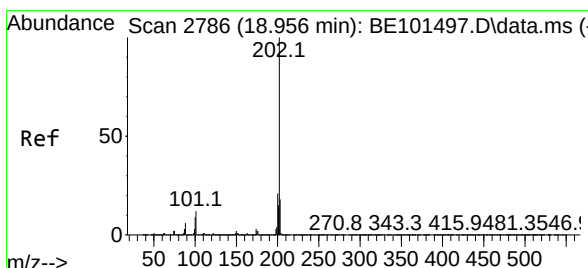
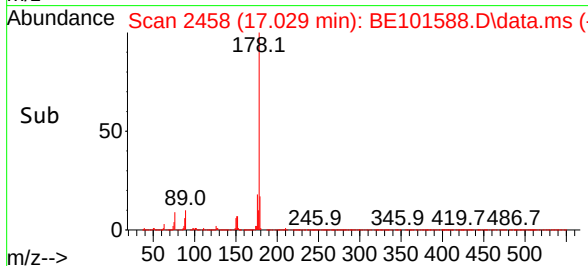
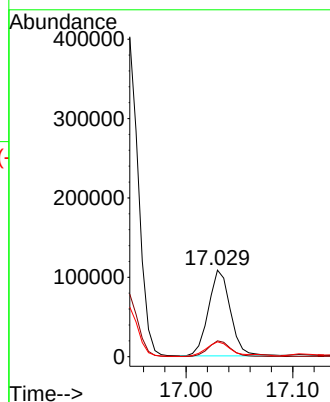
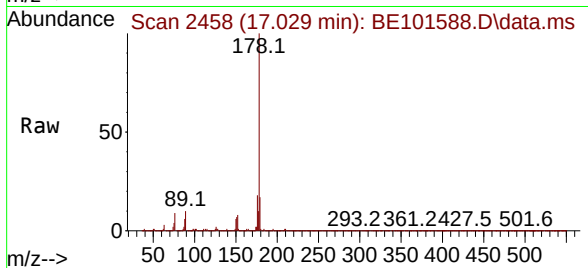
179 17.2 12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/13/2024

Supervised By :mohammad ahmed 11/13/2024



#75

Fluoranthene

Concen: 38.104 ng

RT: 18.957 min Scan# 2786

Delta R.T. 0.001 min

Lab File: BE101588.D

Acq: 12 Nov 2024 22:50

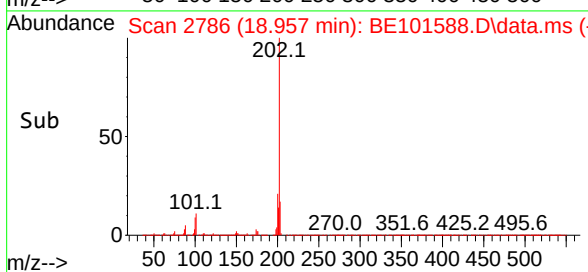
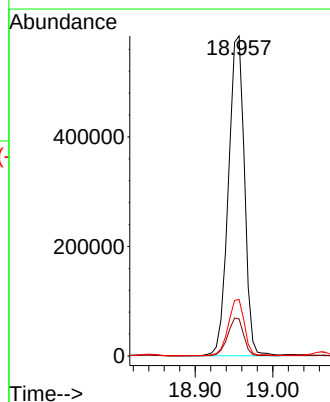
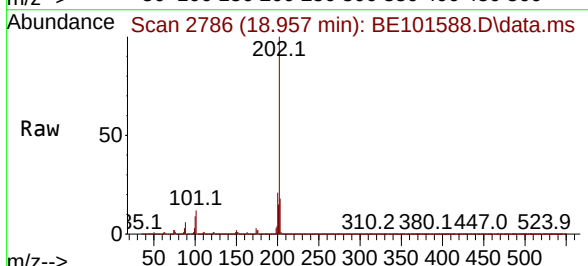
Tgt Ion:202 Resp: 841620

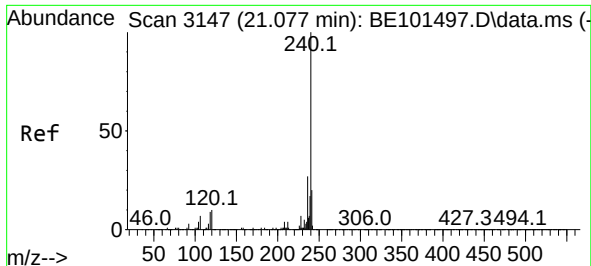
Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.7

203 17.6 0.0 37.8





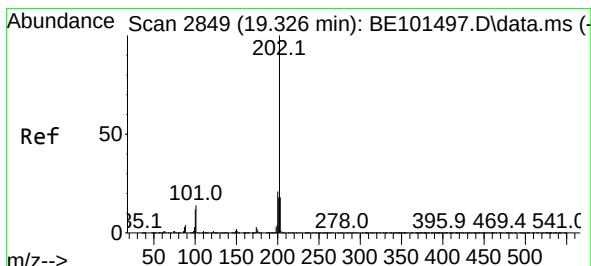
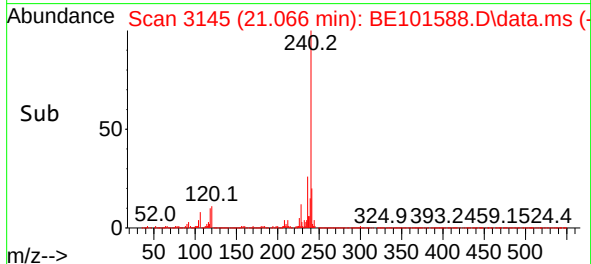
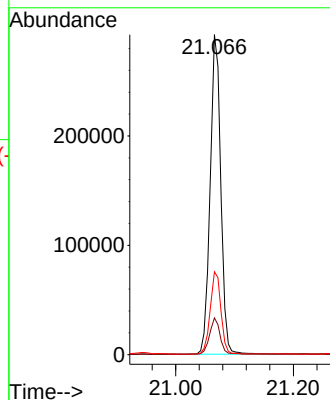
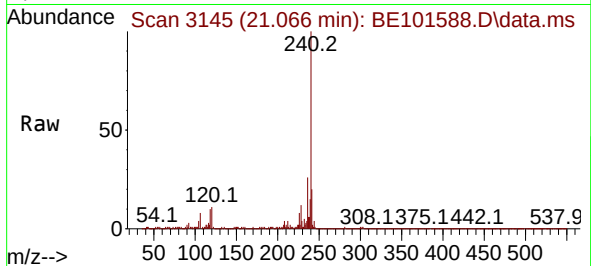
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.066 min Scan# 3147
Delta R.T. -0.011 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Instrument :
BNA_E
ClientSampleId :
B-6-2DL

Tgt Ion:240 Resp: 366638
Ion Ratio Lower Upper
240 100
120 11.5 8.2 12.4
236 25.9 21.4 32.2

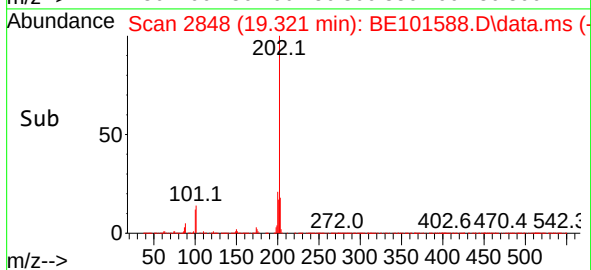
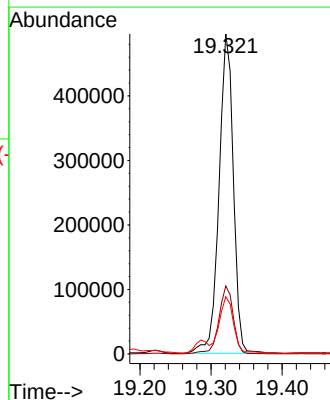
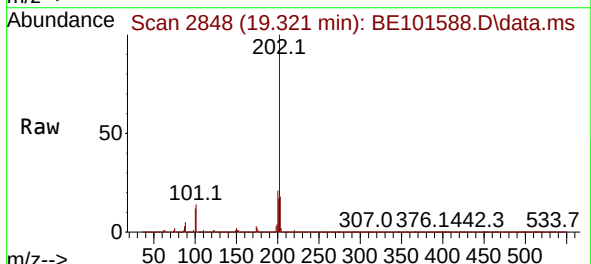
Manual Integrations
APPROVED

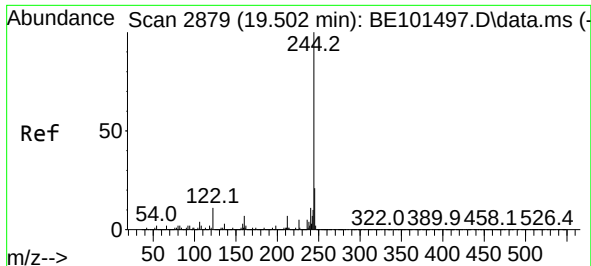
Reviewed By :Yogesh Patel 11/13/2024
Supervised By :mohammad ahmed 11/13/2024



#78
Pyrene
Concen: 33.182 ng
RT: 19.321 min Scan# 2848
Delta R.T. -0.005 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Tgt Ion:202 Resp: 692212
Ion Ratio Lower Upper
202 100
200 21.3 17.2 25.8
203 17.9 14.2 21.4





#79
 Terphenyl-d14
 Concen: 31.038 ng
 RT: 19.497 min Scan# 21497
 Delta R.T. -0.005 min
 Lab File: BE101588.D
 Acq: 12 Nov 2024 22:50

Instrument :

BNA_E

ClientSampleId :

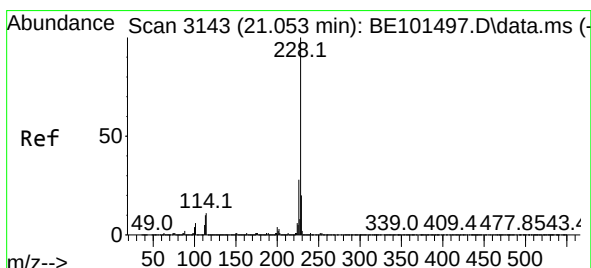
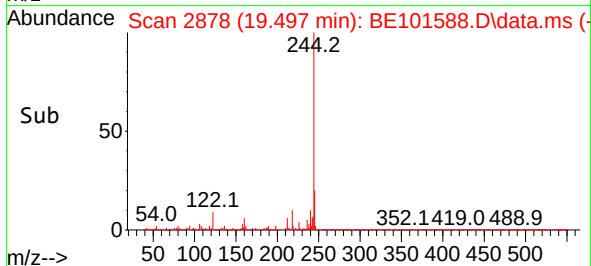
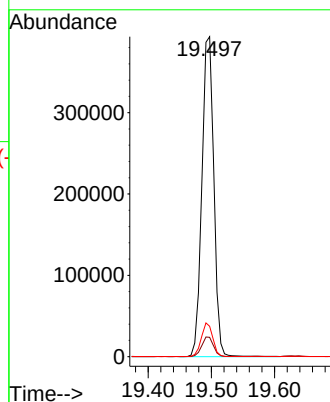
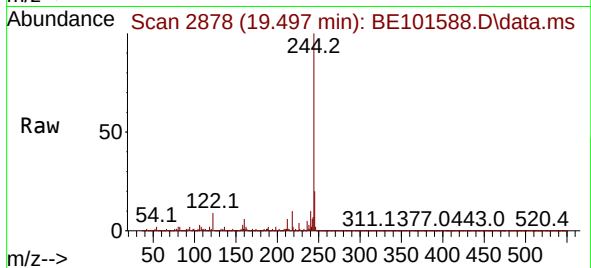
B-6-2DL

Tgt Ion:244 Resp: 514083
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.8 8.8
 122 9.5 8.4 12.6

Manual Integrations

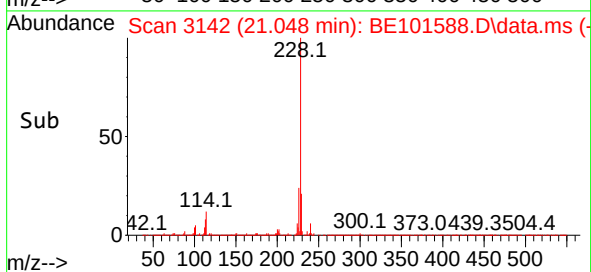
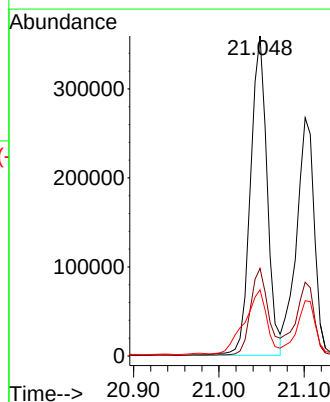
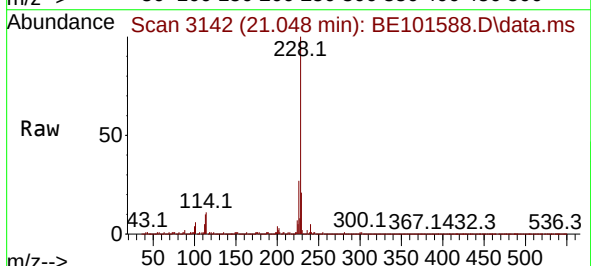
APPROVED

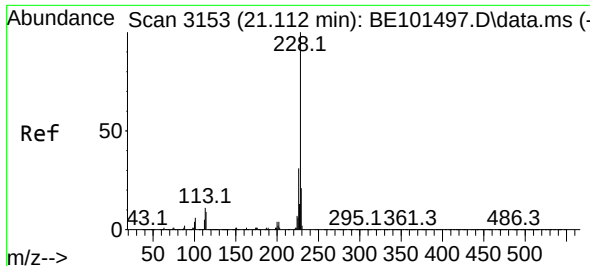
Reviewed By :Yogesh Patel 11/13/2024
 Supervised By :mohammad ahmed 11/13/2024



#81
 Benzo(a)anthracene
 Concen: 22.413 ng
 RT: 21.048 min Scan# 3142
 Delta R.T. -0.005 min
 Lab File: BE101588.D
 Acq: 12 Nov 2024 22:50

Tgt Ion:228 Resp: 488034
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.4 33.6
 229 20.7 16.1 24.1





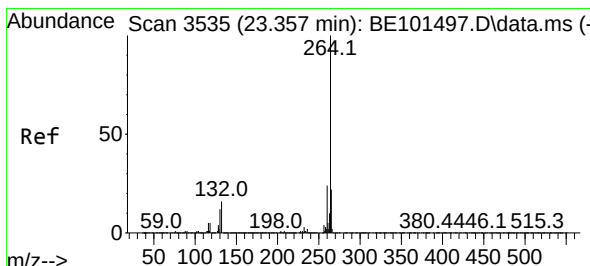
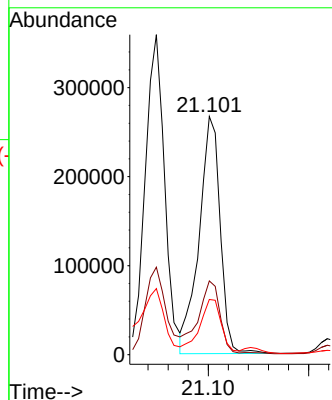
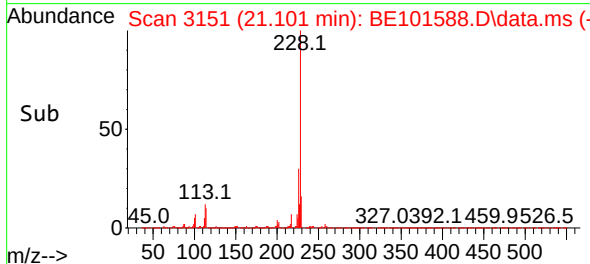
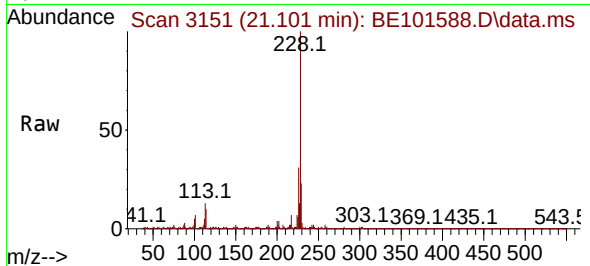
#83
Chrysene
Concen: 18.840 ng
RT: 21.101 min Scan# 3153
Delta R.T. -0.011 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Instrument :
BNA_E
ClientSampleId :
B-6-2DL

Tgt Ion:228 Resp: 389924
Ion Ratio Lower Upper
228 100
226 31.0 25.1 37.7
229 23.2 16.4 24.6

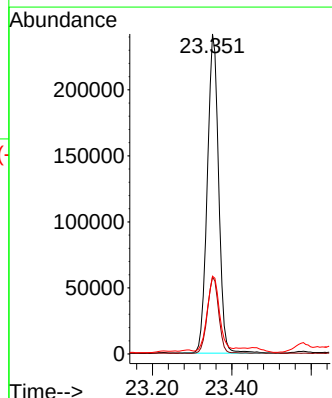
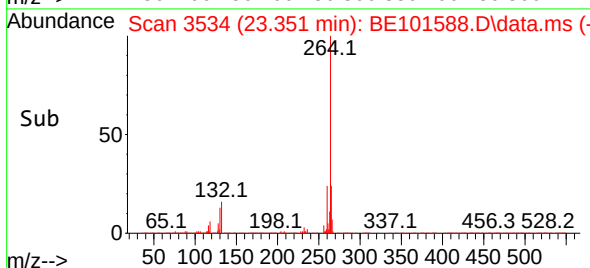
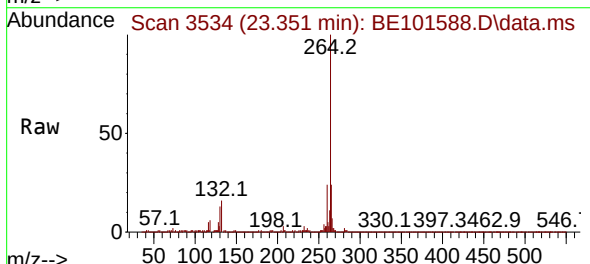
Manual Integrations
APPROVED

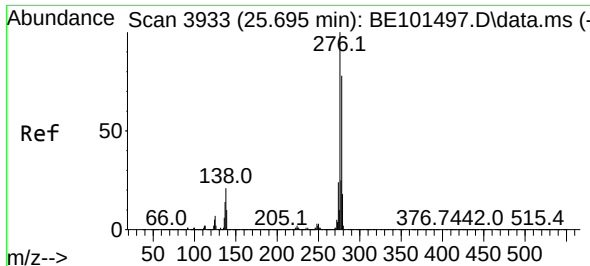
Reviewed By :Yogesh Patel 11/13/2024
Supervised By :mohammad ahmed 11/13/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.351 min Scan# 3534
Delta R.T. -0.005 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Tgt Ion:264 Resp: 478806
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.2
265 24.3 17.4 26.2





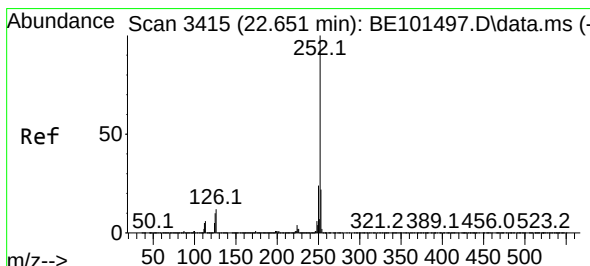
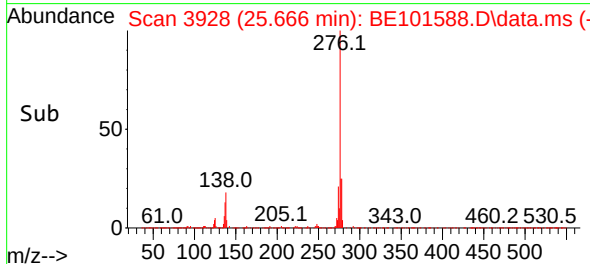
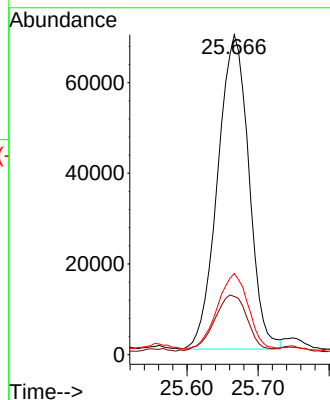
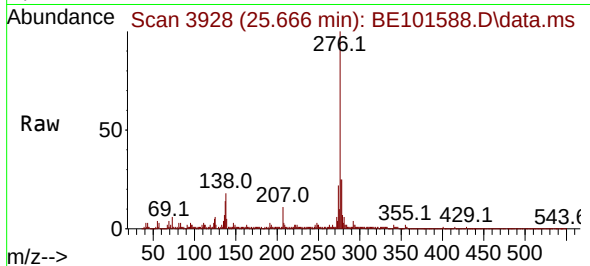
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.416 ng
RT: 25.666 min Scan# 3933
Delta R.T. -0.029 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Instrument :
BNA_E
ClientSampleId :
B-6-2DL

Tgt Ion:276 Resp: 21112
Ion Ratio Lower Upper
276 100
138 19.1 17.0 25.6
277 23.7 20.2 30.2

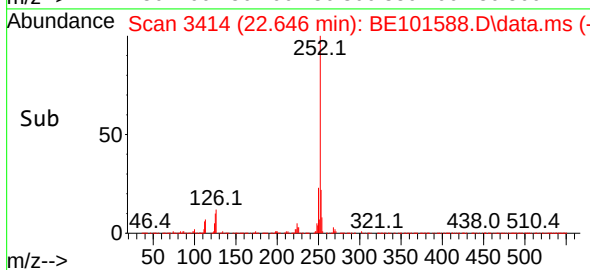
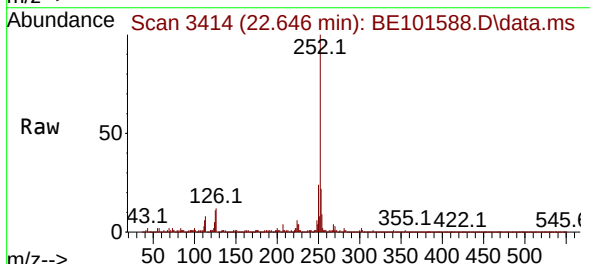
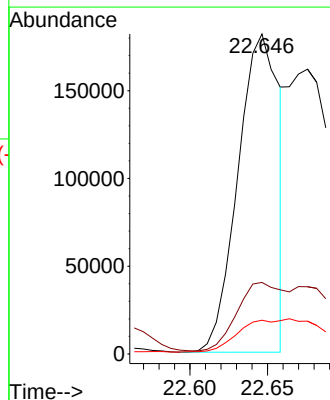
Manual Integrations
APPROVED

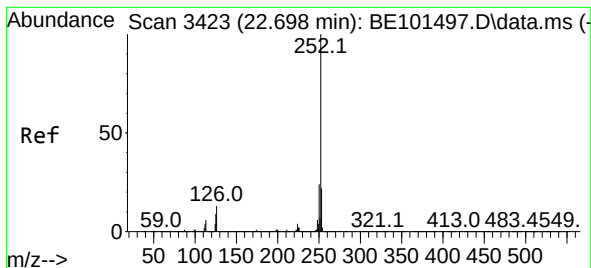
Reviewed By :Yogesh Patel 11/13/2024
Supervised By :mohammad ahmed 11/13/2024



#88
Benzo(b)fluoranthene
Concen: 12.734 ng
RT: 22.646 min Scan# 3414
Delta R.T. -0.005 min
Lab File: BE101588.D
Acq: 12 Nov 2024 22:50

Tgt Ion:252 Resp: 334503
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 10.6 7.8 11.8





#89

Benzo(k)fluoranthene

Concen: 13.556 ng m

RT: 22.676 min Scan# 3423

Delta R.T. -0.023 min

Lab File: BE101588.D

Acq: 12 Nov 2024 22:50

Instrument :

BNA_E

ClientSampleId :

B-6-2DL

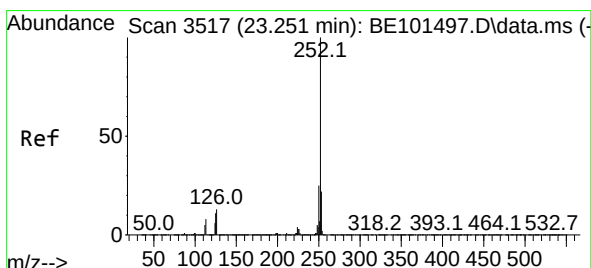
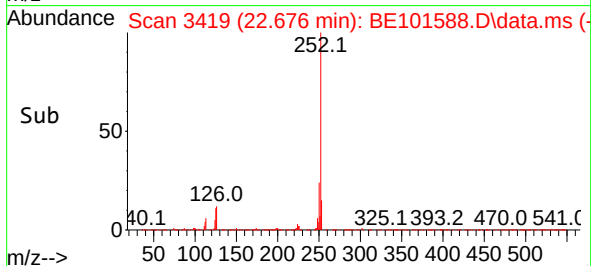
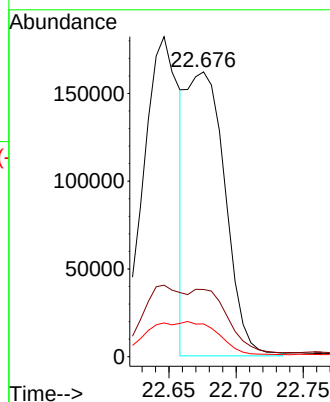
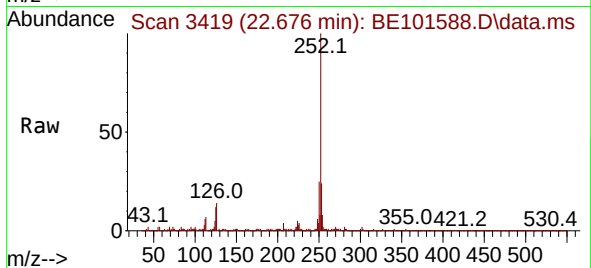
Tgt Ion:252 Resp: 32325
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.9 26.9
 125 11.5 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/13/2024

Supervised By :mohammad ahmed 11/13/2024



#90

Benzo(a)pyrene

Concen: 15.834 ng

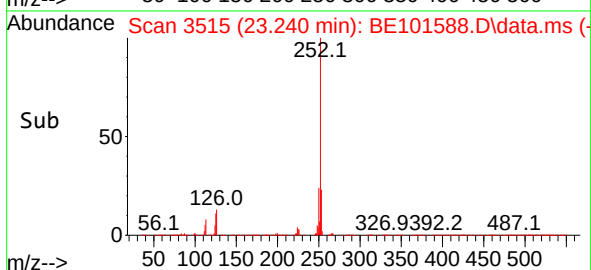
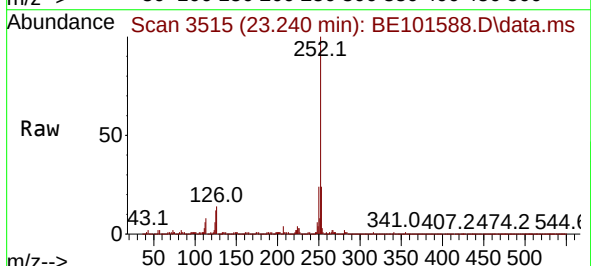
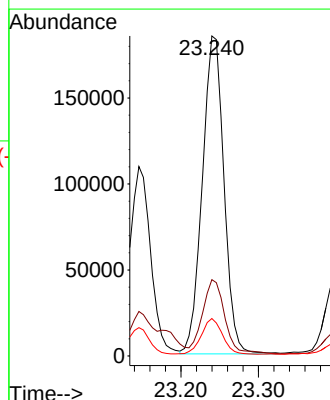
RT: 23.240 min Scan# 3515

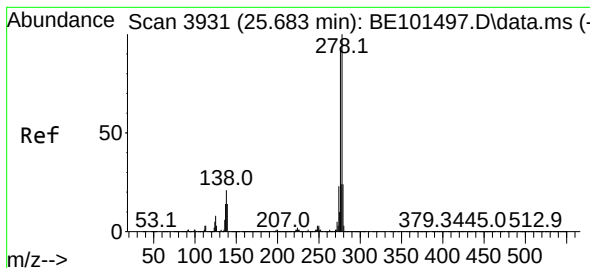
Delta R.T. -0.011 min

Lab File: BE101588.D

Acq: 12 Nov 2024 22:50

Tgt Ion:252 Resp: 359102
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.6 26.4
 125 11.7 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 2.622 ng

RT: 25.649 min Scan# 3931

Delta R.T. -0.035 min

Lab File: BE101588.D

Acq: 12 Nov 2024 22:50

Instrument :

BNA_E

ClientSampleId :

B-6-2DL

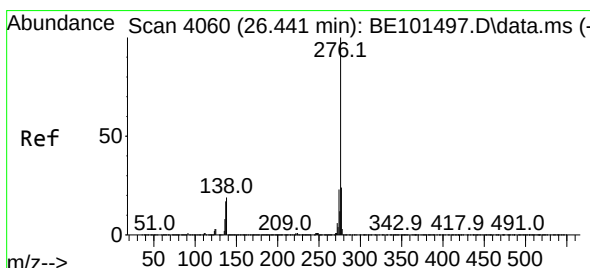
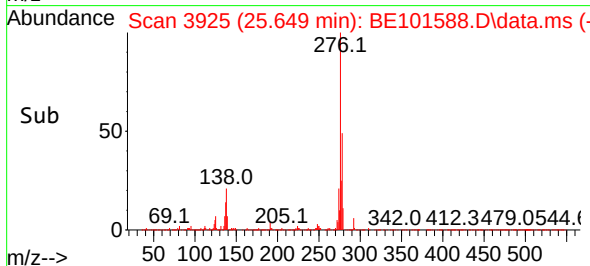
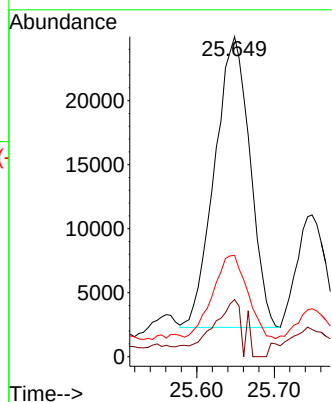
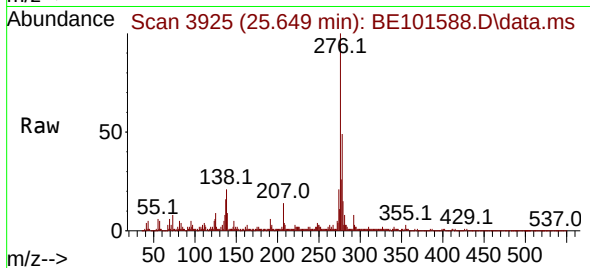
Tgt Ion:	278	Resp:	7184
Ion Ratio	Lower	Upper	
278	100		
139	17.9	11.2	16.8
279	31.7	19.1	28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/13/2024

Supervised By :mohammad ahmed 11/13/2024



#92

Benzo(g,h,i)perylene

Concen: 6.274 ng

RT: 26.418 min Scan# 4056

Delta R.T. -0.023 min

Lab File: BE101588.D

Acq: 12 Nov 2024 22:50

Tgt Ion:	276	Resp:	174673
Ion Ratio	Lower	Upper	
276	100		
277	25.1	19.5	29.3
138	19.7	15.3	22.9

