

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101519.D
 Acq On : 7 Nov 2024 5:25
 Operator : RC/JU
 Sample : P4711-01 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CF-613-COMP-16

Manual Integrations
 APPROVED

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

Quant Time: Nov 07 05:13:02 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	7.560	152	78284	20.000	ng	0.00
21) Naphthalene-d8	10.322	136	364054	20.000	ng	0.00
39) Acenaphthene-d10	14.170	164	262339	20.000	ng	0.00
64) Phenanthrene-d10	16.902	188	608779	20.000	ng	0.00
76) Chrysene-d12	21.068	240	662022	20.000	ng	0.00
86) Perylene-d12	23.359	264	864705	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.310	112	235556	53.204	ng	0.00
7) Phenol-d6	6.937	99	318211	52.421	ng	0.00
23) Nitrobenzene-d5	8.765	82	187668	32.561	ng	0.00
42) 2,4,6-Tribromophenol	15.674	330	246265	49.887	ng	0.00
45) 2-Fluorobiphenyl	12.789	172	544131	33.867	ng	0.00
79) Terphenyl-d14	19.499	244	1185046	39.624	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.900	152	50833	2.390	ng	99
71) Phenanthrene	16.943	178	244516	8.258	ng	99
72) Anthracene	17.031	178	63804	2.182	ng	95
75) Fluoranthene	18.953	202	577284	15.206	ng	99
78) Pyrene	19.323	202	562809	14.941	ng	99
81) Benzo(a)anthracene	21.044	228	324699	8.258	ng	97
83) Chrysene	21.103	228	394894	10.567	ng	98
84) Bis(2-ethylhexyl)phtha...	20.874	149	51961	2.030	ng	# 97
87) Indeno(1,2,3-cd)pyrene	25.674	276	321834	5.416	ng	94
88) Benzo(b)fluoranthene	22.648	252	525693m	11.081	ng	
89) Benzo(k)fluoranthene	22.678	252	219779m	5.103	ng	
90) Benzo(a)pyrene	23.248	252	360459	8.801	ng	97
92) Benzo(g,h,i)perylene	26.426	276	332821	6.620	ng	98

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

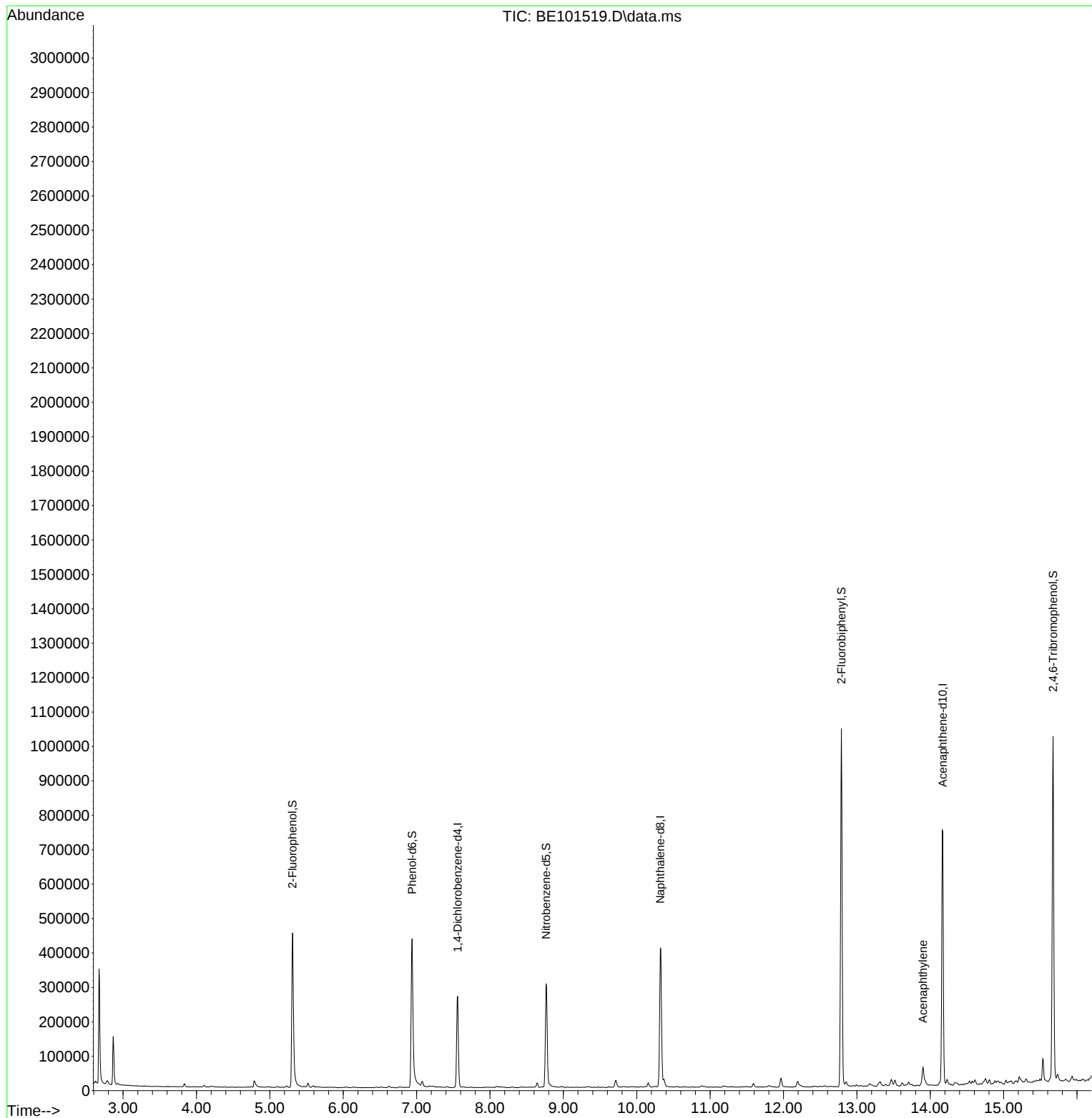
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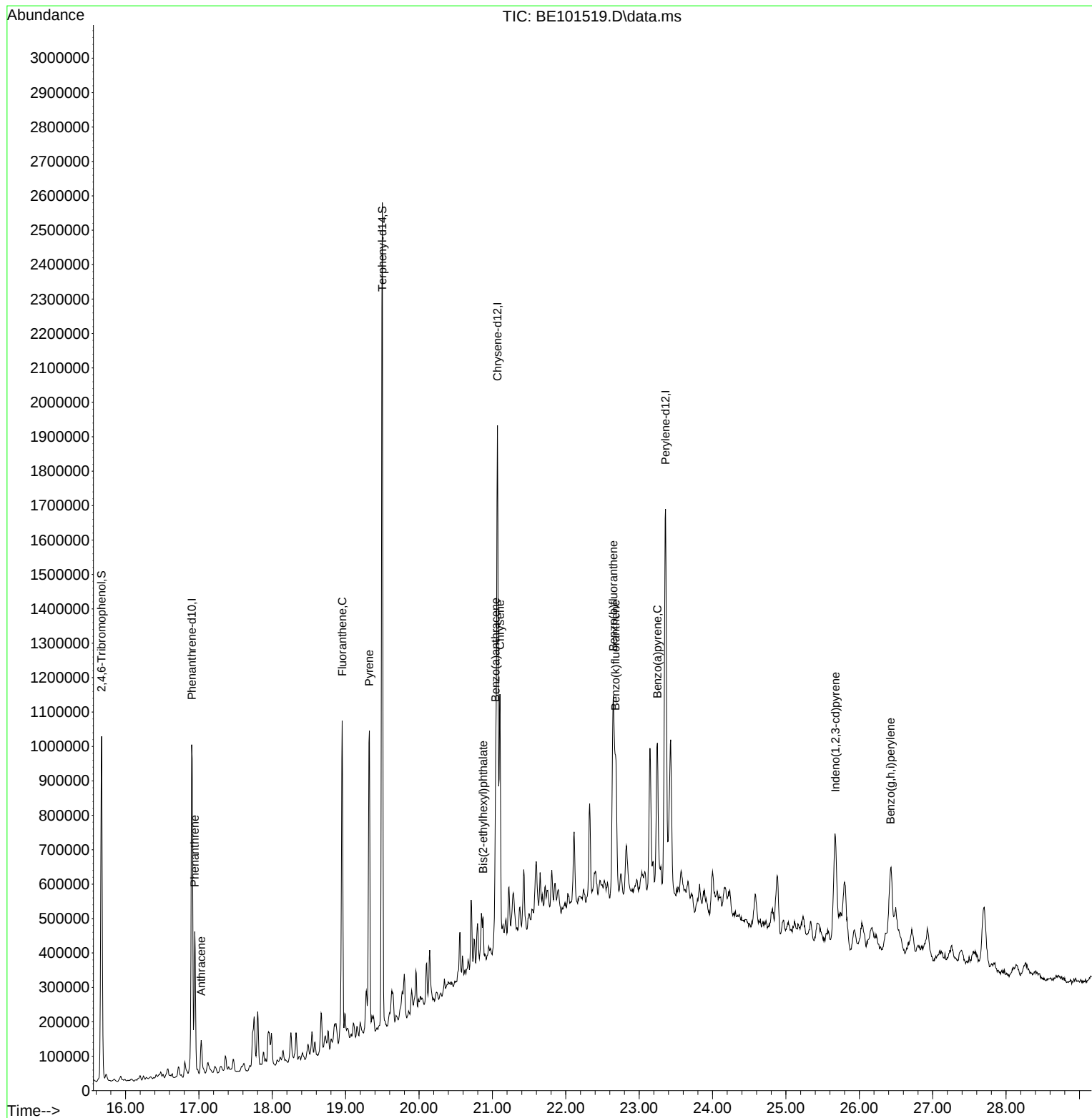
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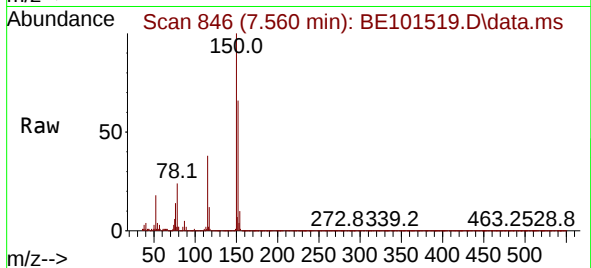
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.560 min Scan# 847
Delta R.T. -0.003 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

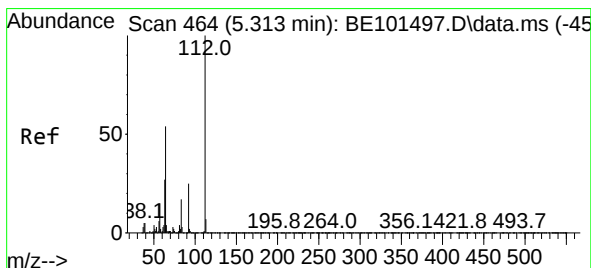
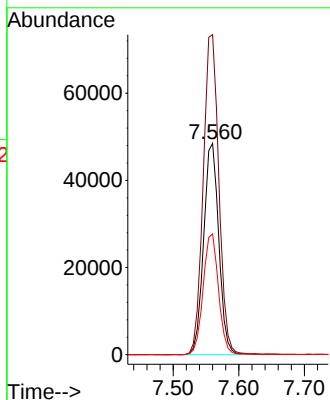
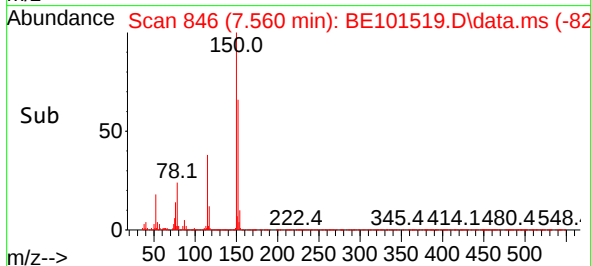
Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-16



Tgt Ion:152 Resp: 78284
Ion Ratio Lower Upper
152 100
150 151.4 126.3 189.5
115 57.1 45.0 67.4

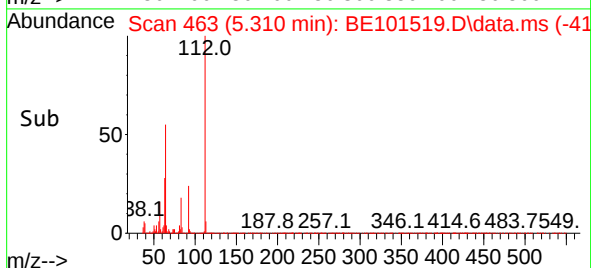
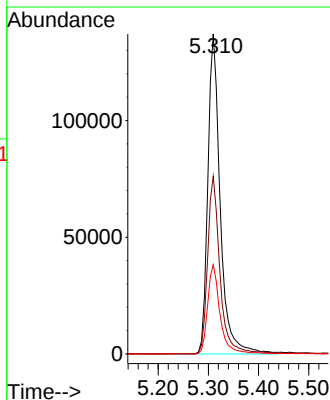
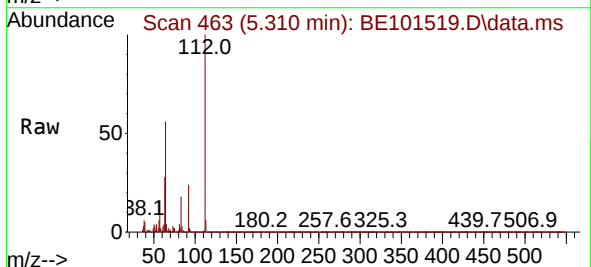
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Supervised By :mohammad ahmed 11/08/2024



#5
2-Fluorophenol
Concen: 53.204 ng
RT: 5.310 min Scan# 463
Delta R.T. -0.003 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

Tgt Ion:112 Resp: 235556
Ion Ratio Lower Upper
112 100
64 55.6 43.2 64.8
63 27.9 21.8 32.6





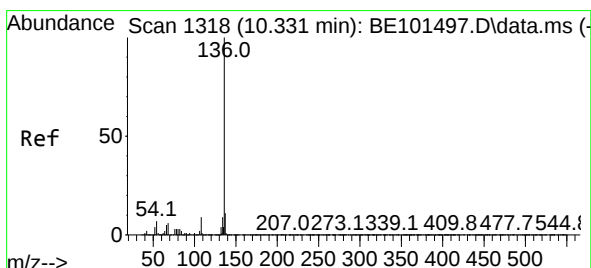
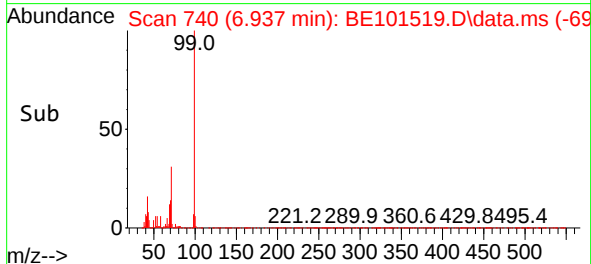
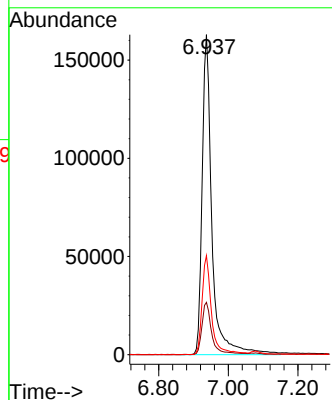
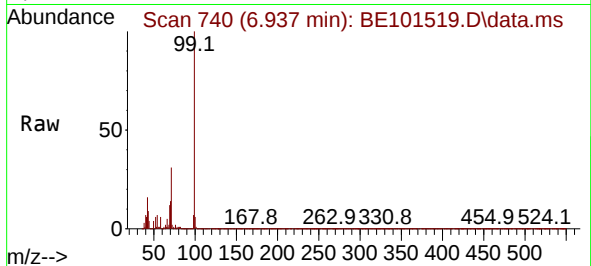
#7
Phenol-d6
Concen: 52.421 ng
RT: 6.937 min Scan# 742
Delta R.T. -0.009 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-16

Tgt Ion: 99 Resp: 31821
Ion Ratio Lower Upper
99 100
42 16.3 12.5 18.7
71 31.0 24.2 36.2

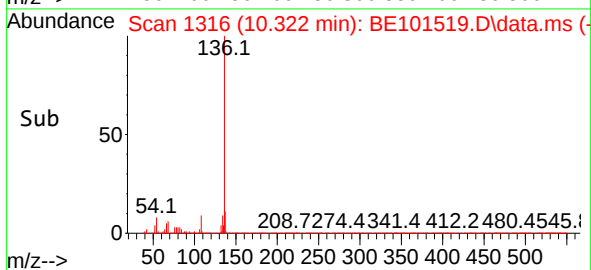
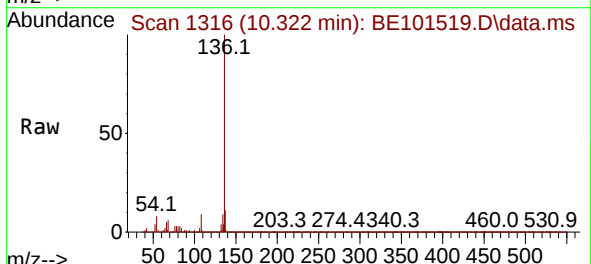
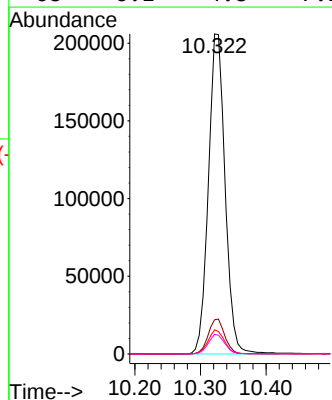
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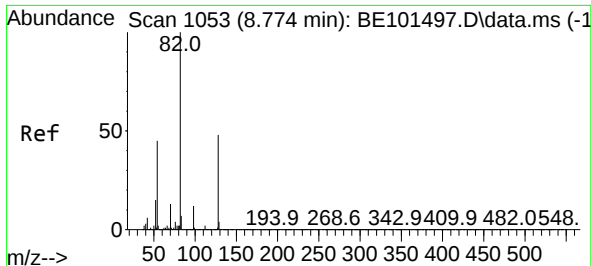
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Supervised By :mohammad ahmed 11/08/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.322 min Scan# 1316
Delta R.T. -0.009 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

Tgt Ion:136 Resp: 364054
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.6 5.6 8.4
68 6.1 4.8 7.2





#23
Nitrobenzene-d5
Concen: 32.561 ng
RT: 8.765 min Scan# 1051
Delta R.T. -0.009 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

Instrument :

BNA_E

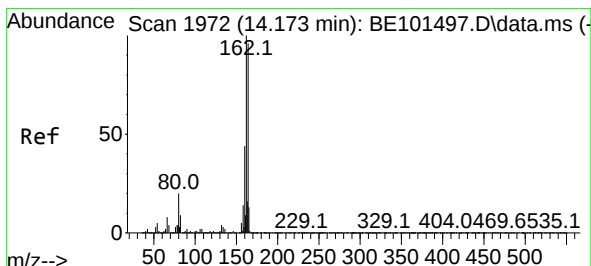
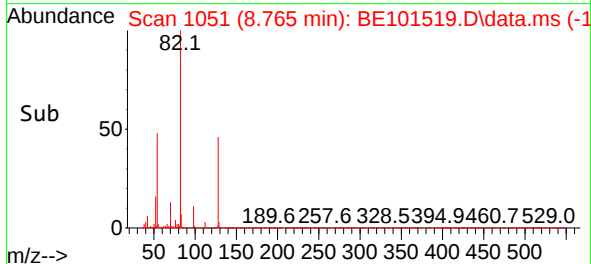
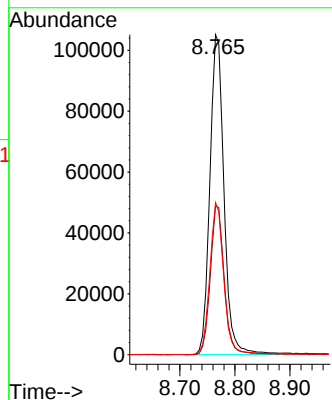
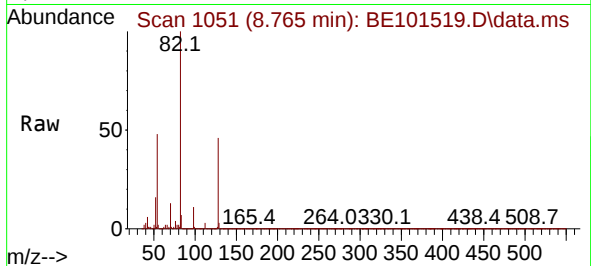
ClientSampleId :

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Tgt Ion: 82 Resp: 187668
Ion Ratio Lower Upper
82 100
128 46.4 38.6 58.0
54 47.6 36.3 54.5

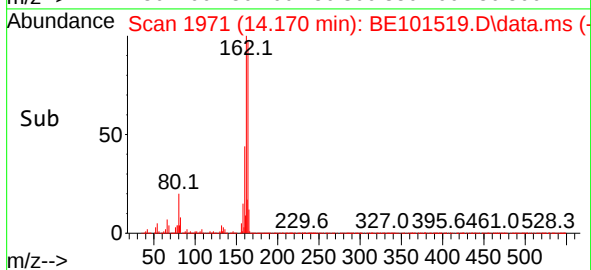
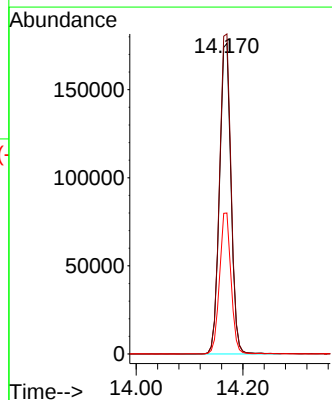
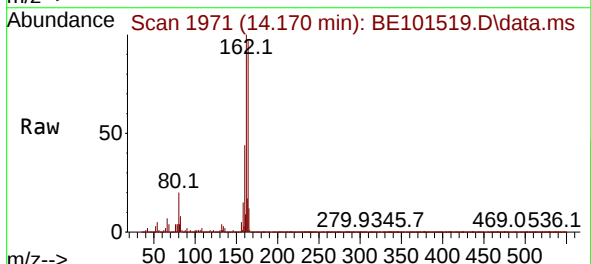
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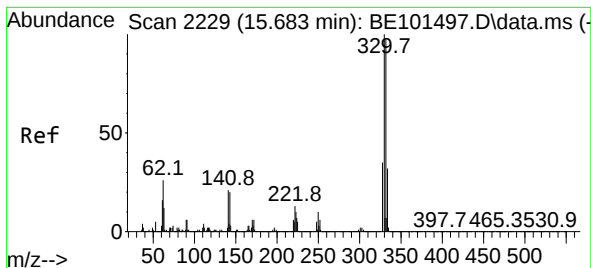
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Supervised By :mohammad ahmed 11/08/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.170 min Scan# 1971
Delta R.T. -0.003 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

Tgt Ion:164 Resp: 262339
Ion Ratio Lower Upper
164 100
162 103.1 83.7 125.5
160 45.4 37.1 55.7





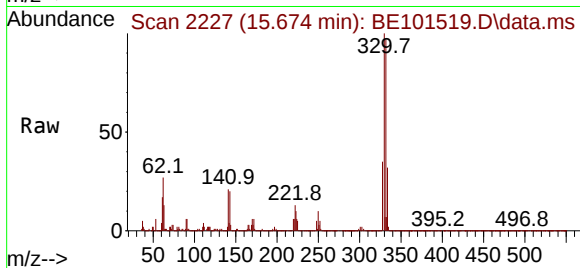
#42
2,4,6-Tribromophenol
Concen: 49.887 ng
RT: 15.674 min Scan# 21
Delta R.T. -0.009 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-16

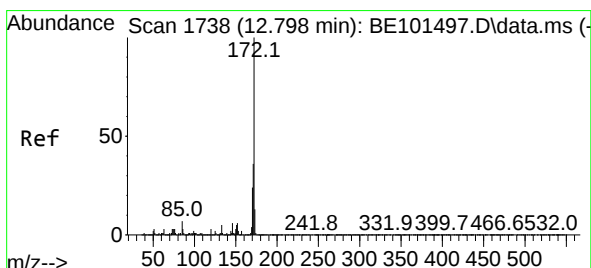
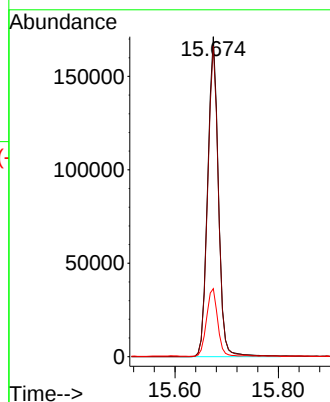
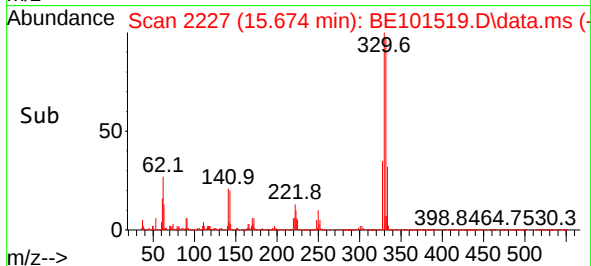


Tgt Ion:330 Resp: 24626
Ion Ratio Lower Upper
330 100
332 97.0 77.7 116.5
141 21.8 17.0 25.4

Manual Integrations

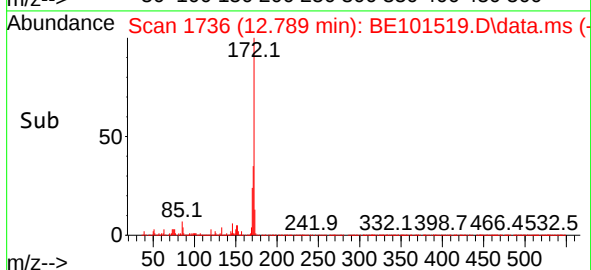
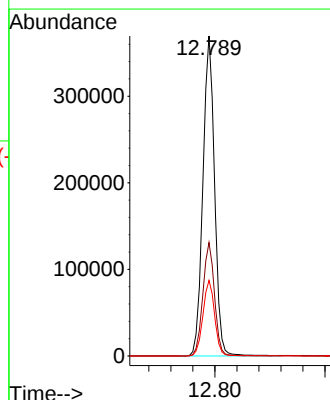
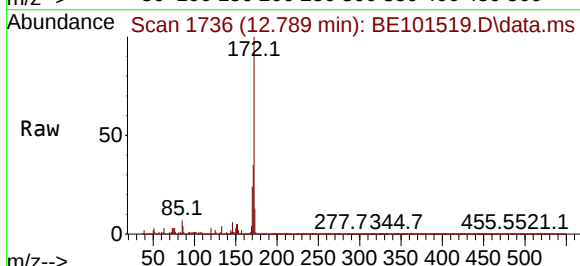
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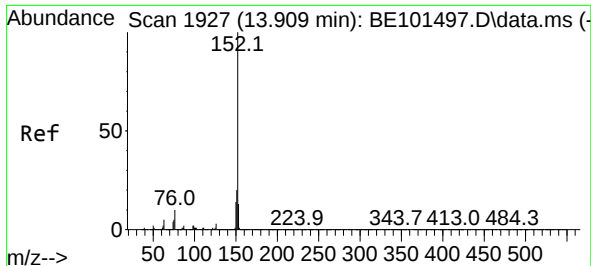
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Supervised By :mohammad ahmed 11/08/2024



#45
2-Fluorobiphenyl
Concen: 33.867 ng
RT: 12.789 min Scan# 1736
Delta R.T. -0.009 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

Tgt Ion:172 Resp: 544131
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.6 18.9 28.3





#49
Acenaphthylene
Concen: 2.390 ng
RT: 13.900 min Scan# 1925
Delta R.T. -0.009 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

Instrument :

BNA_E

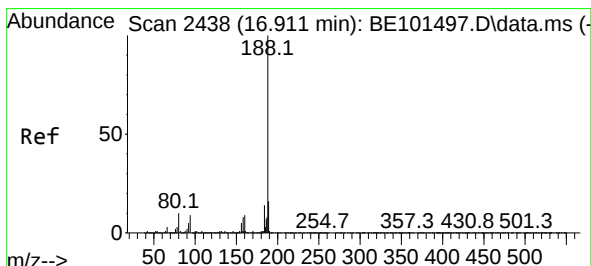
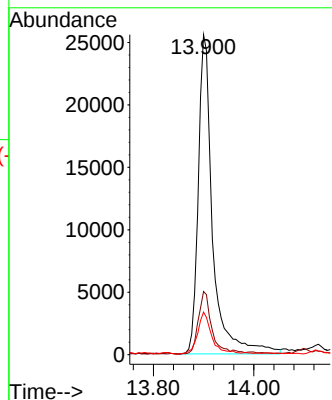
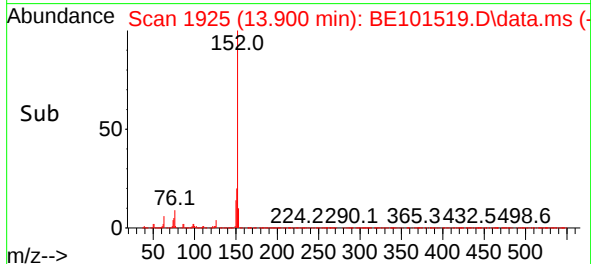
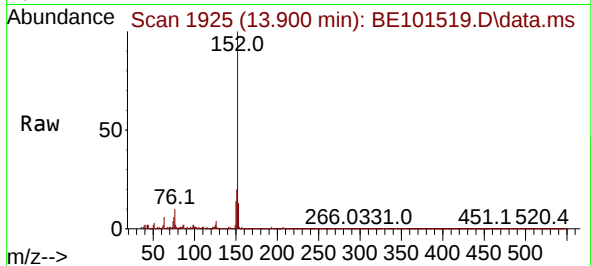
ClientSampleId :

CF-613-COMP-16

Tgt Ion:152 Resp: 5083
Ion Ratio Lower Upper
152 100
151 19.8 15.6 23.4
153 13.3 10.3 15.5

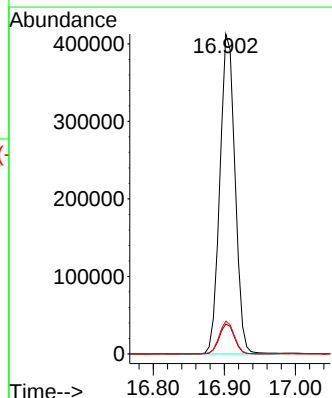
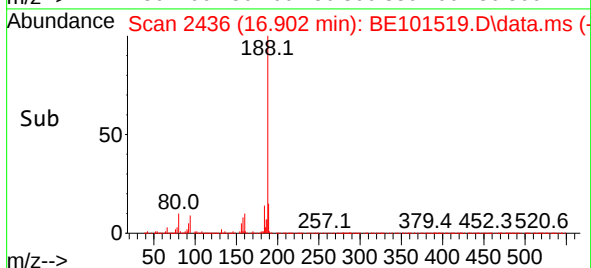
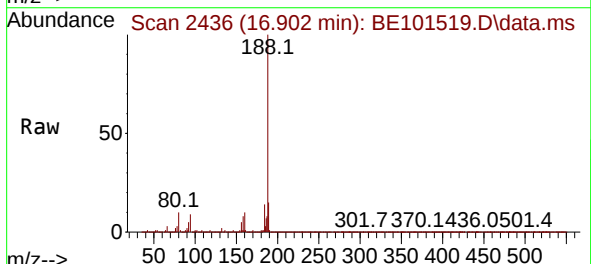
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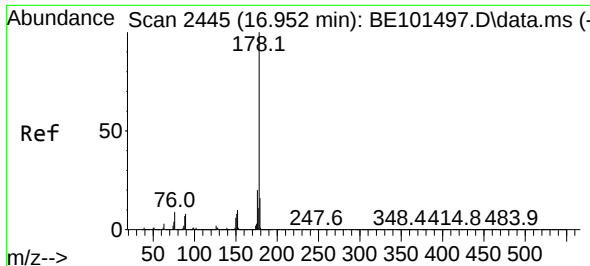
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Supervised By :mohammad ahmed 11/08/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.902 min Scan# 2436
Delta R.T. -0.009 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

Tgt Ion:188 Resp: 608779
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 10.3 8.0 12.0





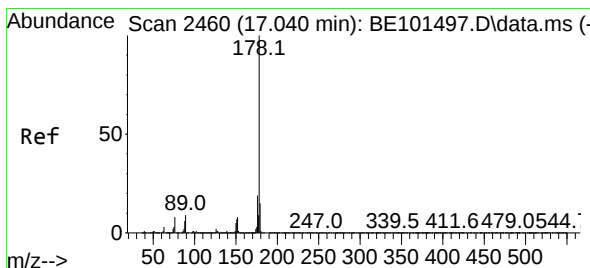
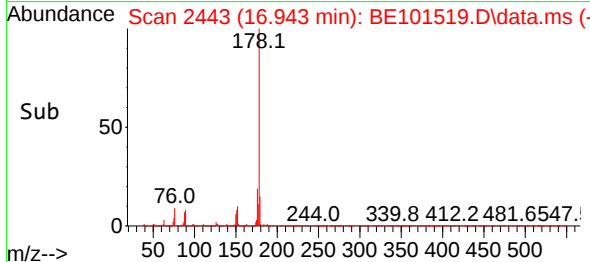
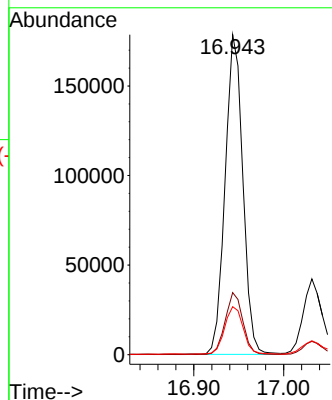
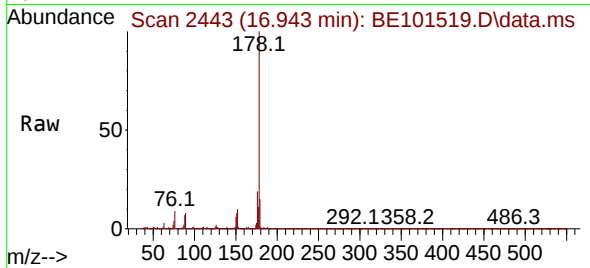
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Phenanthrene
Concen: 8.258 ng
RT: 16.943 min Scan# 2445
Delta R.T. -0.009 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-16

Tgt Ion:178 Resp: 244510
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.0 12.6 19.0

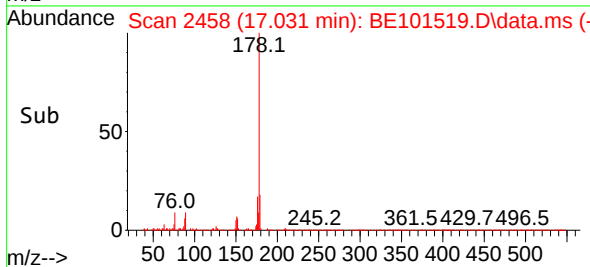
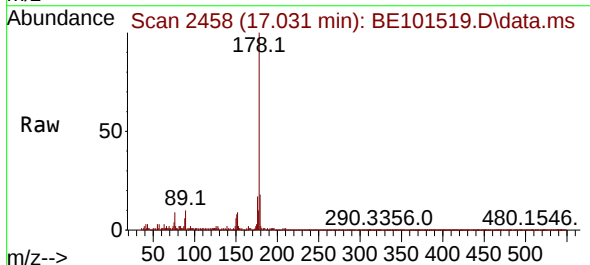
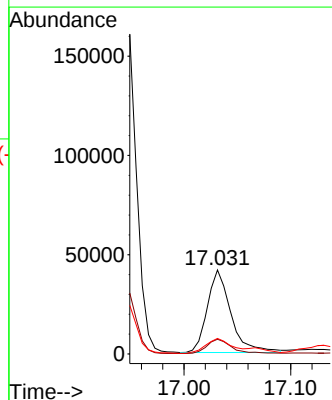
Manual Integrations
APPROVED

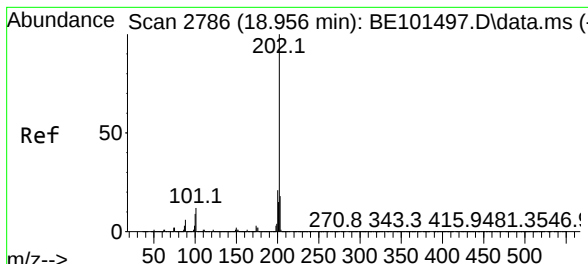
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#72
Anthracene
Concen: 2.182 ng
RT: 17.031 min Scan# 2458
Delta R.T. -0.009 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

Tgt Ion:178 Resp: 63804
Ion Ratio Lower Upper
178 100
176 17.5 15.1 22.7
179 18.5 12.4 18.6





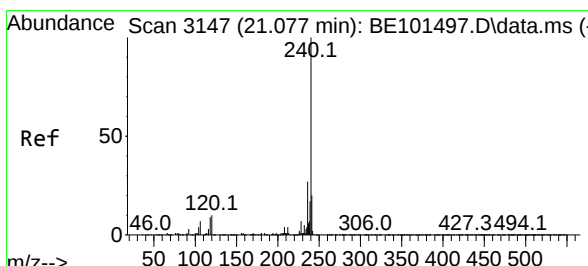
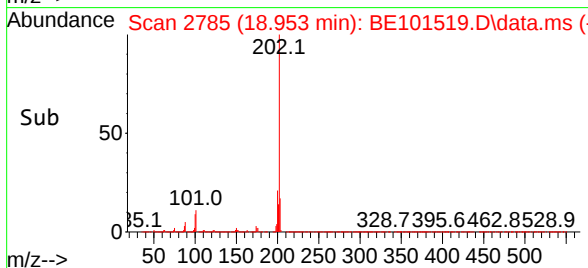
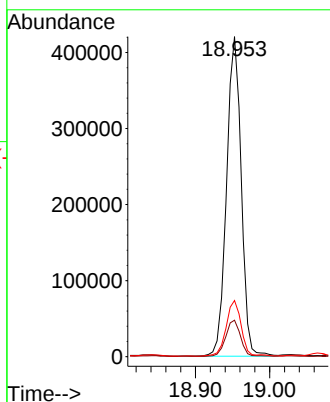
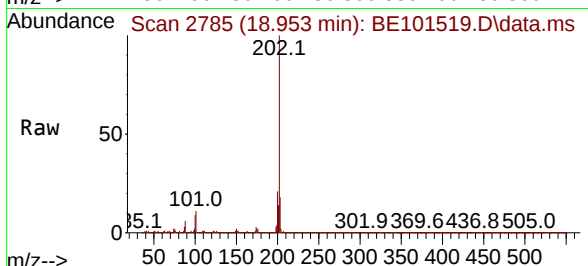
#75
 Fluoranthene
 Concen: 15.206 ng
 RT: 18.953 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BE101519.D
 Acq: 7 Nov 2024 5:25

Instrument :
 BNA_E
 ClientSampleId :
 CF-613-COMP-16

Tgt Ion:	202	Resp:	577284
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	31.7
203	17.5	0.0	37.8

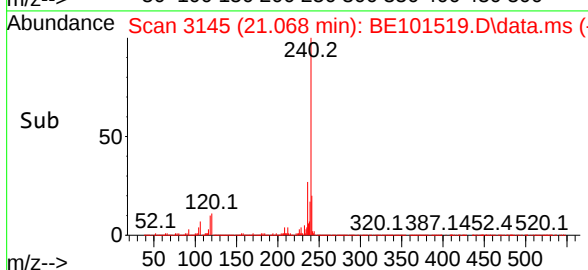
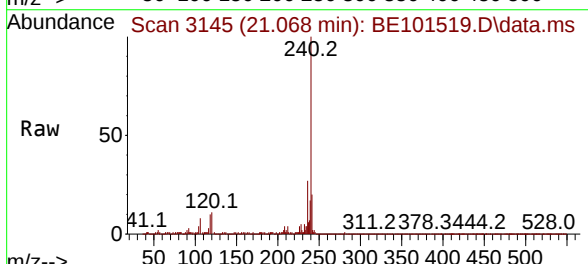
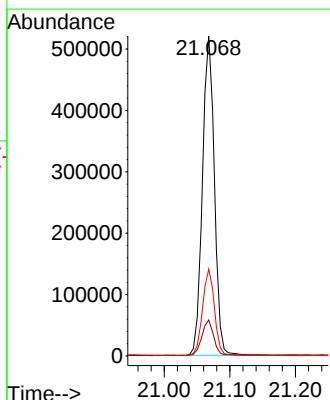
Manual Integrations
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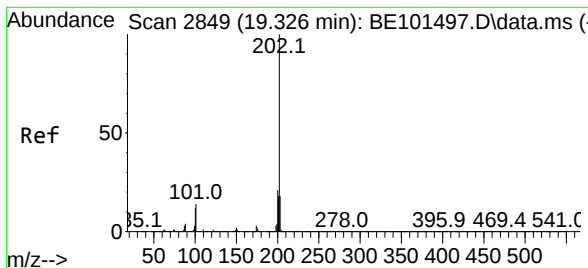
Reviewed By :Jagrut Upadhyay 11/07/2024
 Supervised By :mohammad ahmed 11/08/2024



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.068 min Scan# 3145
 Delta R.T. -0.009 min
 Lab File: BE101519.D
 Acq: 7 Nov 2024 5:25

Tgt Ion:	240	Resp:	662022
Ion Ratio	Lower	Upper	
240	100		
120	11.3	8.2	12.4
236	27.1	21.4	32.2





#78

Pyrene

Concen: 14.941 ng

RT: 19.323 min Scan# 2849

Delta R.T. -0.003 min

Lab File: BE101519.D

Acq: 7 Nov 2024 5:25

Instrument :

BNA_E

ClientSampleId :

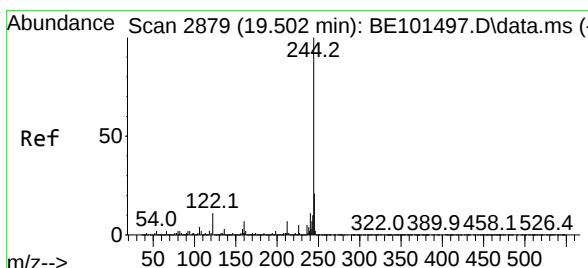
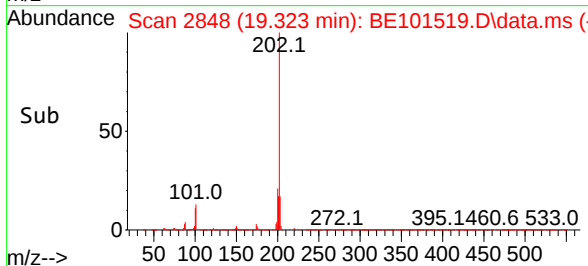
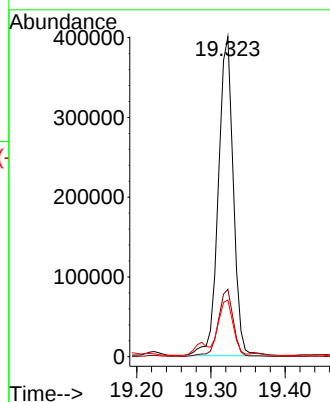
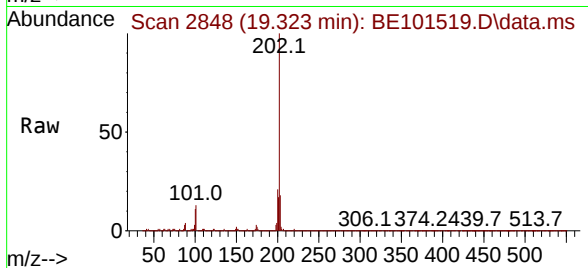
CF-613-COMP-16

Tgt Ion:202 Resp: 562809
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.2 25.8
 203 17.7 14.2 21.4

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



#79

Terphenyl-d14

Concen: 39.624 ng

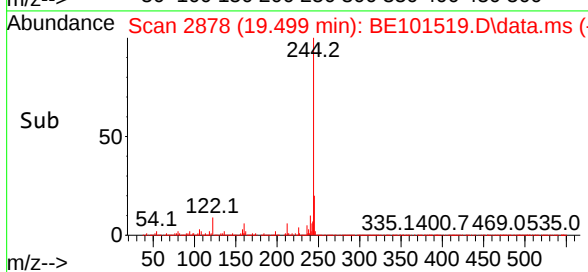
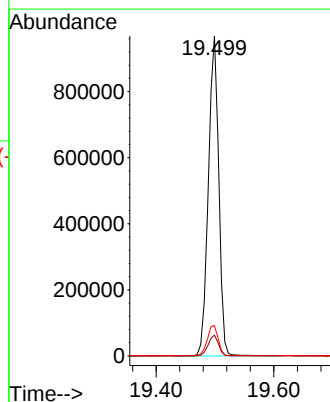
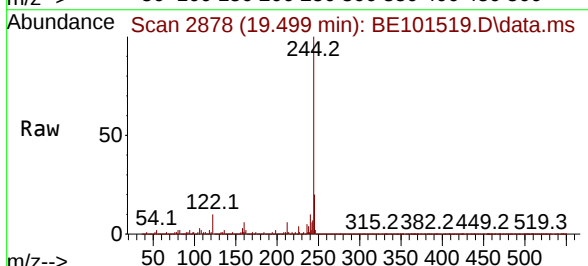
RT: 19.499 min Scan# 2878

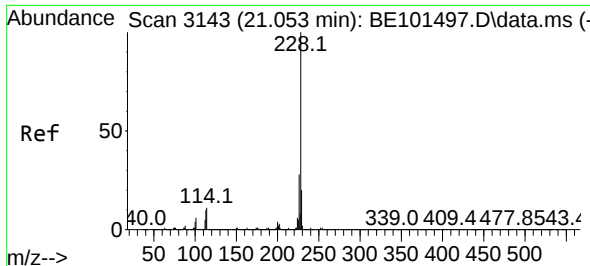
Delta R.T. -0.003 min

Lab File: BE101519.D

Acq: 7 Nov 2024 5:25

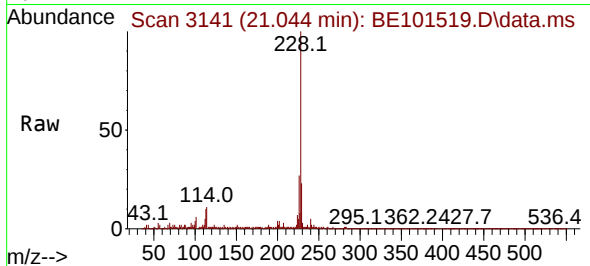
Tgt Ion:244 Resp: 1185046
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.8
 122 9.5 8.4 12.6





#81
Benzo(a)anthracene
Concen: 8.258 ng
RT: 21.044 min Scan# 3141
Delta R.T. -0.009 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

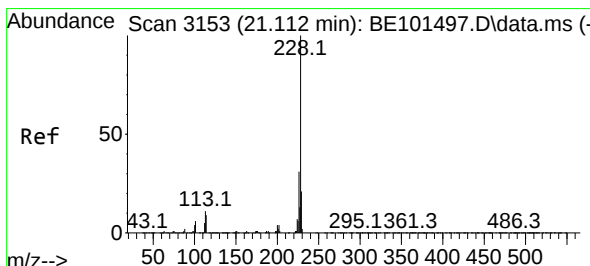
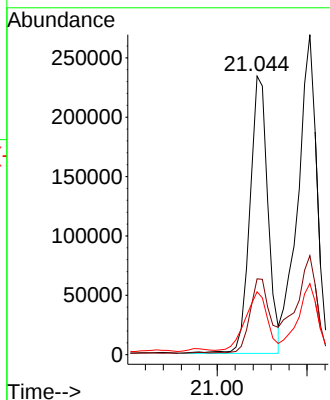
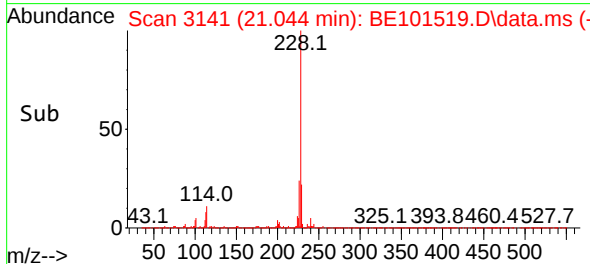
Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-16



Tgt Ion:228 Resp: 324699
Ion Ratio Lower Upper
228 100
226 27.3 22.4 33.6
229 22.6 16.1 24.1

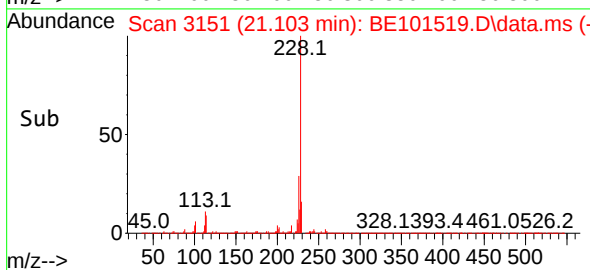
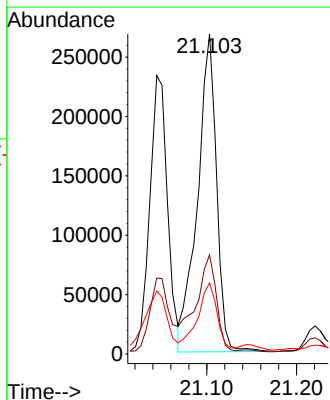
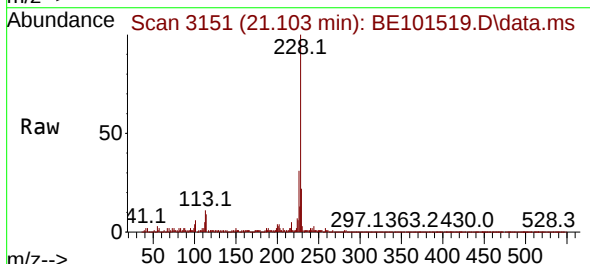
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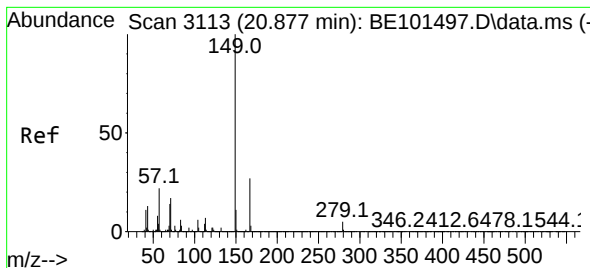
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#83
Chrysene
Concen: 10.567 ng
RT: 21.103 min Scan# 3151
Delta R.T. -0.009 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

Tgt Ion:228 Resp: 394894
Ion Ratio Lower Upper
228 100
226 30.9 25.1 37.7
229 22.2 16.4 24.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.030 ng

RT: 20.874 min Scan# 3113

Delta R.T. -0.003 min

Lab File: BE101519.D

Acq: 7 Nov 2024 5:25

Instrument :

BNA_E

ClientSampleId :

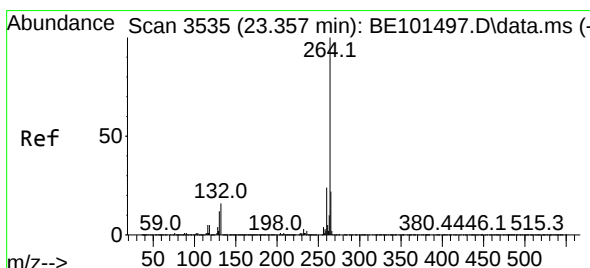
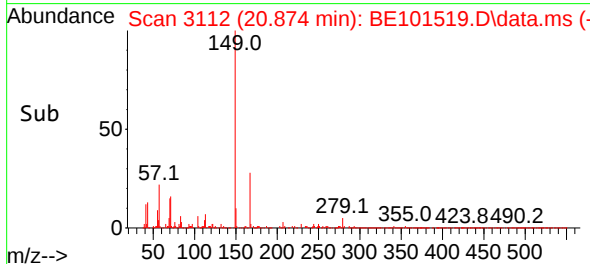
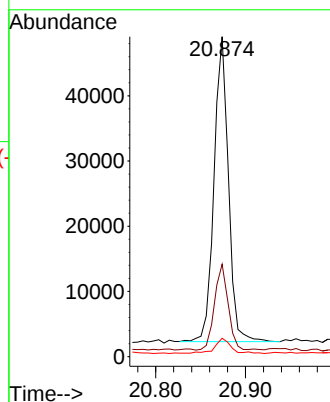
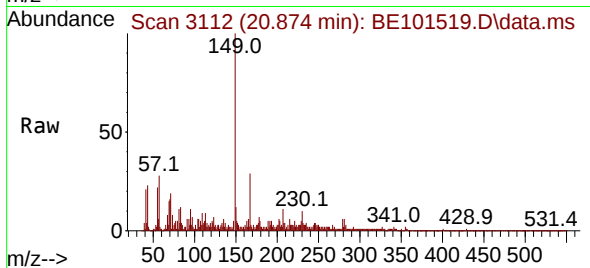
CF-613-COMP-16

Tgt Ion:	149	Resp:	5196
Ion Ratio	Lower	Upper	
149	100		
167	28.9	21.8	32.6
279	5.7	3.8	5.6

Manual Integrations

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



#86

Perylene-d12

Concen: 20.000 ng

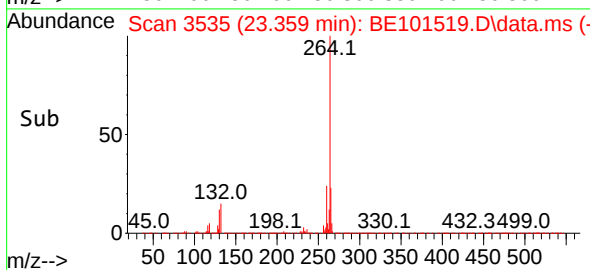
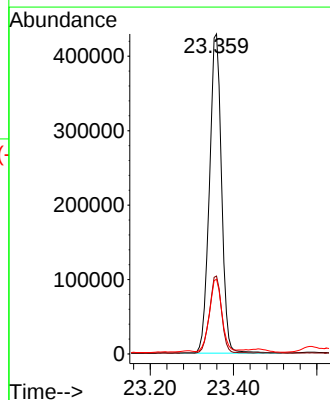
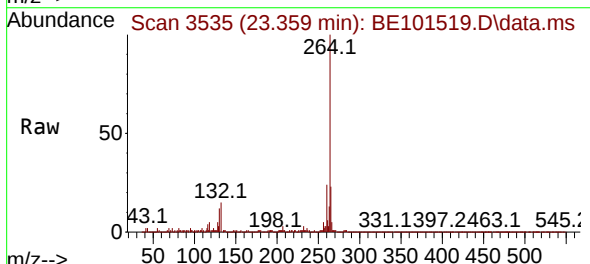
RT: 23.359 min Scan# 3535

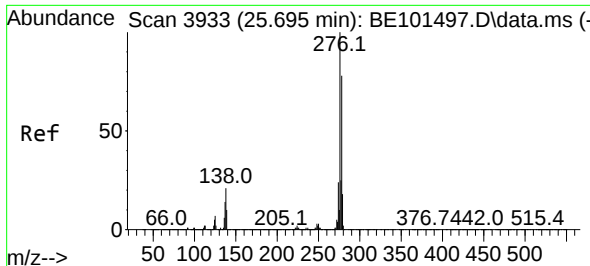
Delta R.T. 0.003 min

Lab File: BE101519.D

Acq: 7 Nov 2024 5:25

Tgt Ion:	264	Resp:	864705
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.4	29.2
265	23.3	17.4	26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.416 ng
RT: 25.674 min Scan# 3933
Delta R.T. -0.021 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

Instrument :

BNA_E

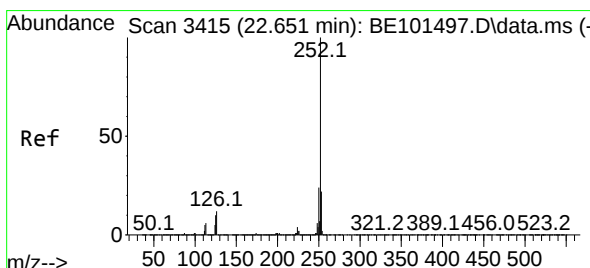
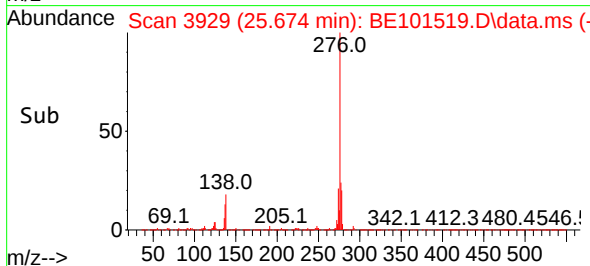
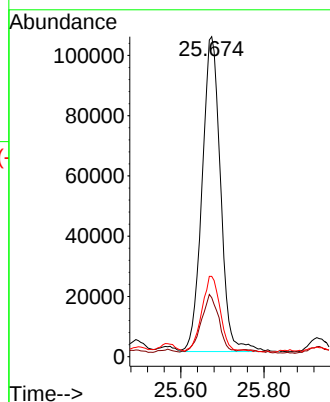
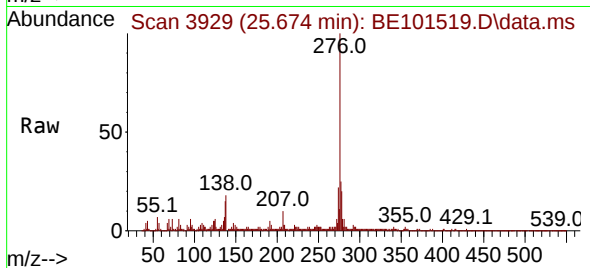
ClientSampleId :

CF-613-COMP-16

Tgt Ion: 276 Resp: 321834
Ion Ratio Lower Upper
276 100
138 17.4 17.0 25.6
277 23.0 20.2 30.2

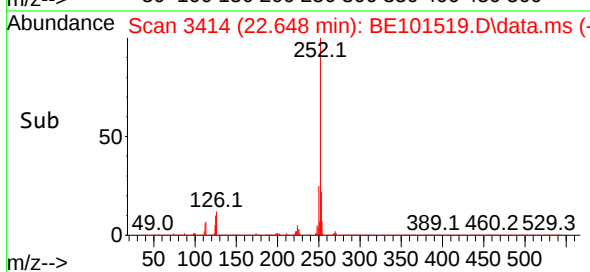
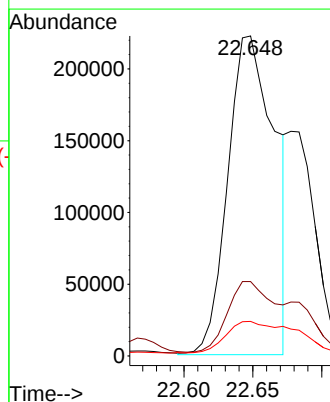
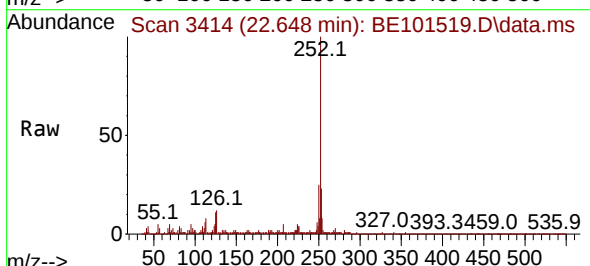
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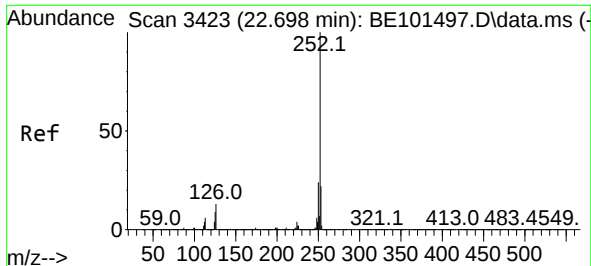
Reviewed By : Jagrut Upadhyay 11/07/2024
Supervised By : mohammad ahmed 11/08/2024



#88
Benzo(b)fluoranthene
Concen: 11.081 ng m
RT: 22.648 min Scan# 3414
Delta R.T. -0.003 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

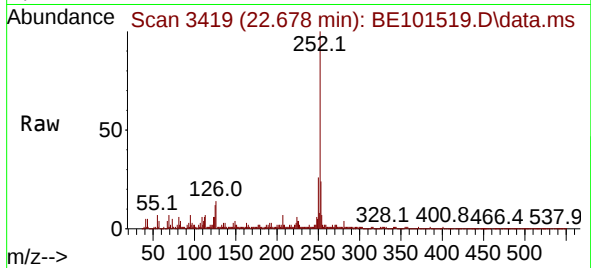
Tgt Ion: 252 Resp: 525693
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 10.8 7.8 11.8





#89
Benzo(k)fluoranthene
Concen: 5.103 ng m
RT: 22.678 min Scan# 3419
Delta R.T. -0.021 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

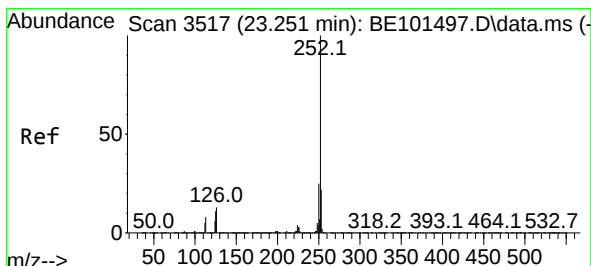
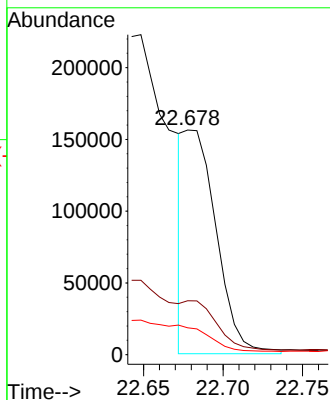
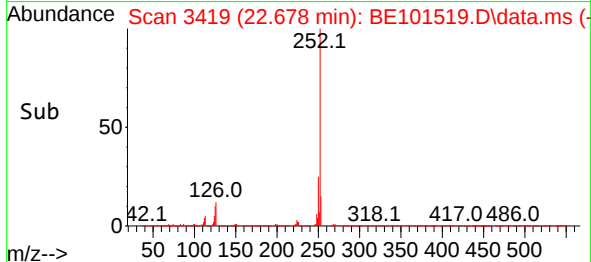
Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-16



Tgt Ion:252 Resp: 219779
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 12.0 7.7 11.5

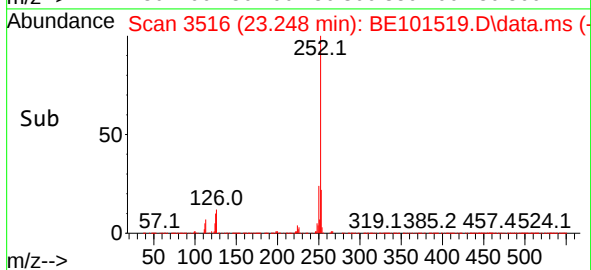
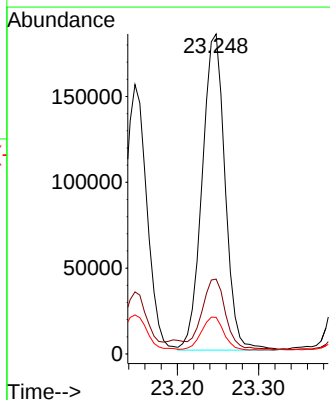
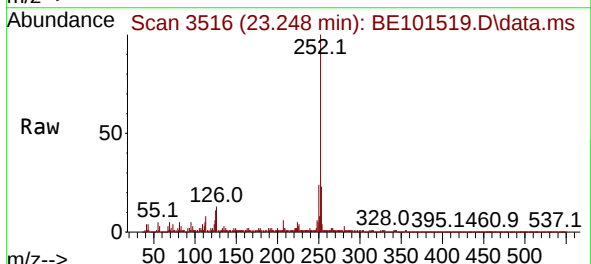
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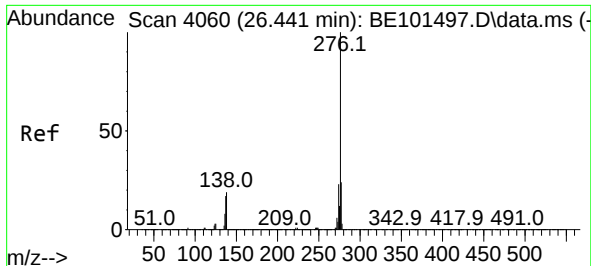
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#90
Benzo(a)pyrene
Concen: 8.801 ng
RT: 23.248 min Scan# 3516
Delta R.T. -0.003 min
Lab File: BE101519.D
Acq: 7 Nov 2024 5:25

Tgt Ion:252 Resp: 360459
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 11.5 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 6.620 ng

RT: 26.426 min Scan# 4060

Delta R.T. -0.015 min

Lab File: BE101519.D

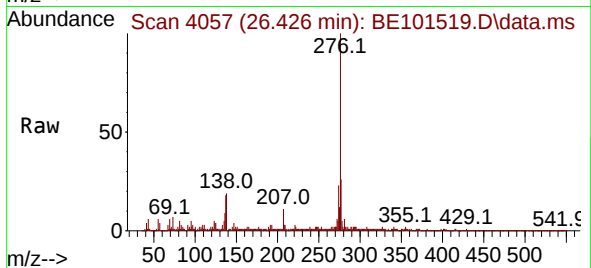
Acq: 7 Nov 2024 5:25

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-16



Tgt Ion: 276 Resp: 33282

Ion Ratio Lower Upper

276 100

277 26.0 19.5 29.3

138 19.0 15.3 22.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/07/2024

Supervised By :mohammad ahmed 11/08/2024

