

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101521.D
 Acq On : 7 Nov 2024 6:37
 Operator : RC/JU
 Sample : P4708-01 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OR-02-110424

Manual Integrations
 APPROVED

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

Quant Time: Nov 07 06:28:44 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	7.563	152	102904	20.000	ng	0.00
21) Naphthalene-d8	10.331	136	455557	20.000	ng	0.00
39) Acenaphthene-d10	14.173	164	297606	20.000	ng	0.00
64) Phenanthrene-d10	16.911	188	632358	20.000	ng	0.00
76) Chrysene-d12	21.077	240	637468	20.000	ng	0.00
86) Perylene-d12	23.380	264	857820	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.319	112	214975	36.939	ng	0.00
7) Phenol-d6	6.947	99	276434	34.644	ng	0.00
23) Nitrobenzene-d5	8.774	82	167764	23.261	ng	0.00
42) 2,4,6-Tribromophenol	15.683	330	188528	33.665	ng	0.00
45) 2-Fluorobiphenyl	12.793	172	466142	25.575	ng	0.00
79) Terphenyl-d14	19.508	244	863751	29.993	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.378	128	57465	2.499	ng	98
49) Acenaphthylene	13.909	152	135101	5.599	ng	98
52) Acenaphthene	14.238	154	76747	4.984	ng	97
55) Dibenzofuran	14.579	168	79303	3.198	ng	99
58) Fluorene	15.213	166	139899	6.761	ng	99
71) Phenanthrene	16.958	178	1343093	43.669	ng	100
72) Anthracene	17.041	178	453517	14.932	ng	98
73) Carbazole	17.370	167	105694	3.470	ng	97
75) Fluoranthene	18.968	202	2251758	57.102	ng	99
78) Pyrene	19.338	202	2226950	61.397	ng	97
81) Benzo(a)anthracene	21.059	228	1368071	36.135	ng	97
83) Chrysene	21.118	228	1229154	34.157	ng	97
87) Indeno(1,2,3-cd)pyrene	25.725	276	1162218	19.715	ng	# 94
88) Benzo(b)fluoranthene	22.669	252	1576779	33.503	ng	98
89) Benzo(k)fluoranthene	22.699	252	1028346m	24.070	ng	
90) Benzo(a)pyrene	23.274	252	1528422	37.617	ng	98
91) Dibenzo(a,h)anthracene	25.695	278	268506	5.469	ng	# 86
92) Benzo(g,h,i)perylene	26.482	276	1117102	22.397	ng	97

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

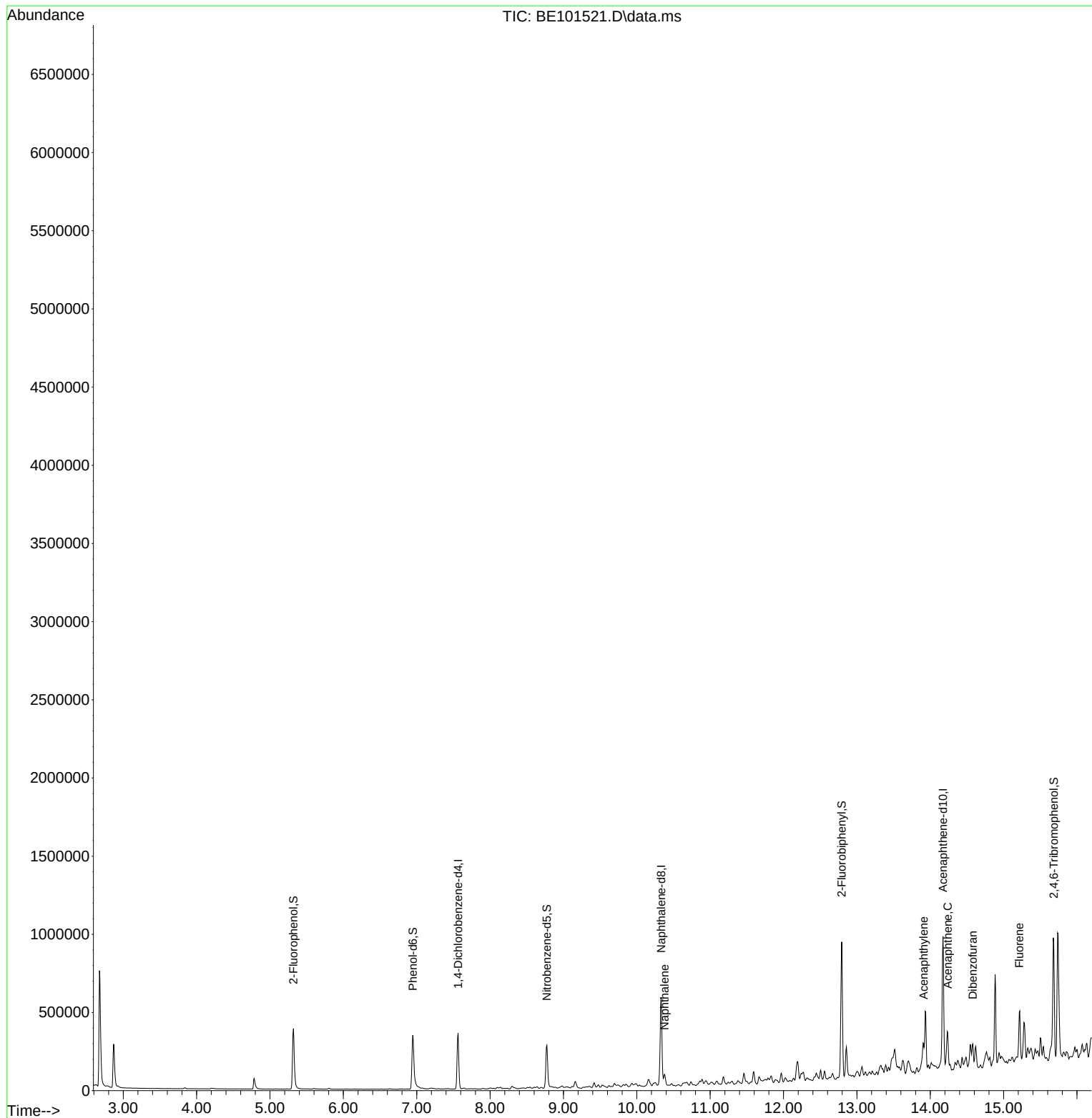
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
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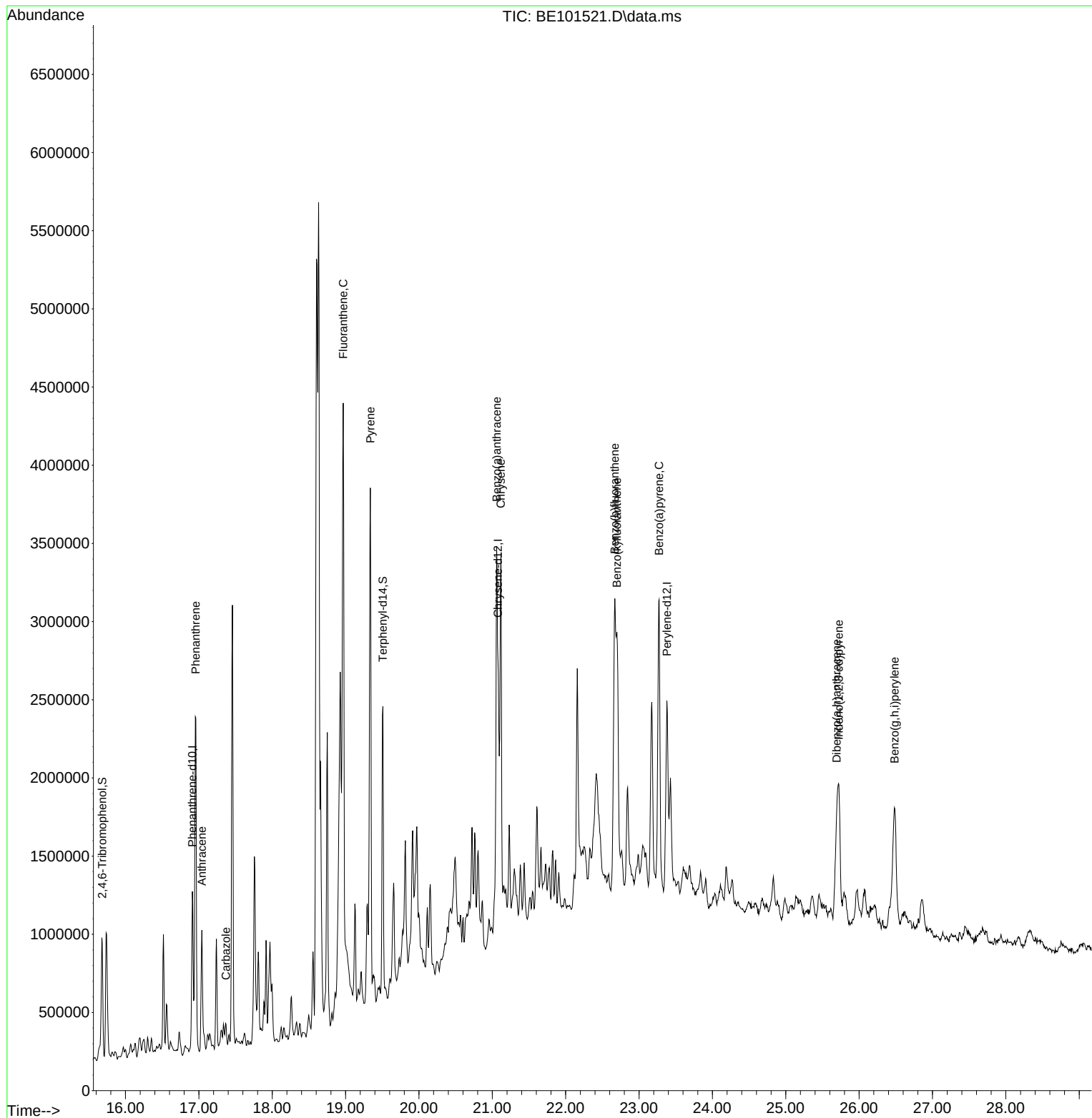
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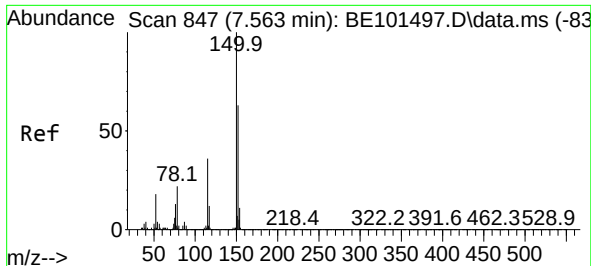
Instrument :
BNA_E
ClientSampleId :
OR-02-110424

Quant Time: Nov 07 06:28:44 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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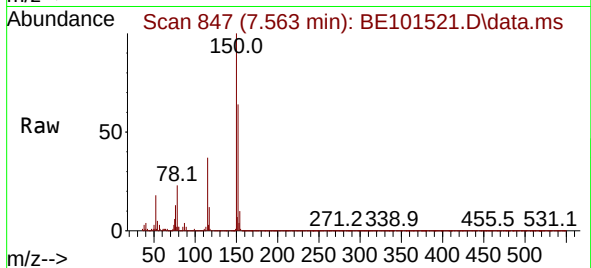
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.563 min Scan# 847
Delta R.T. 0.000 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

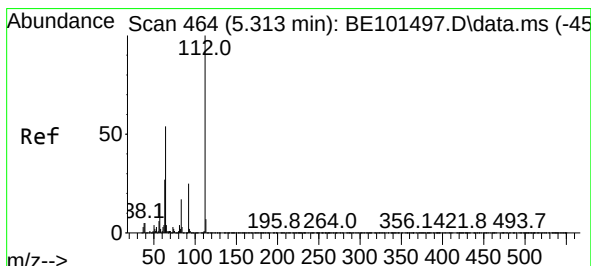
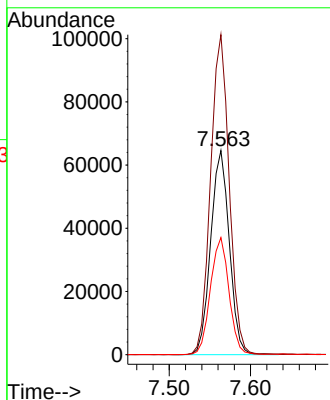
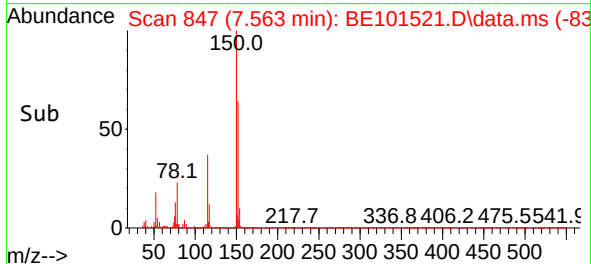
Instrument :
BNA_E
ClientSampleId :
OR-02-110424



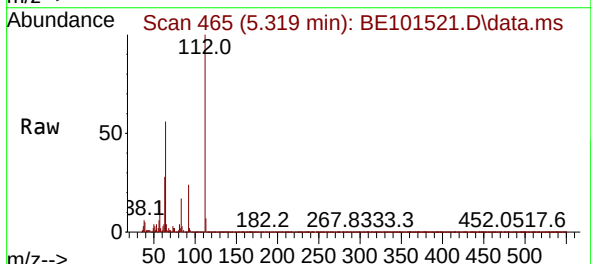
Tgt Ion:152 Resp: 102904
Ion Ratio Lower Upper
152 100
150 156.8 126.3 189.5
115 57.4 45.0 67.4

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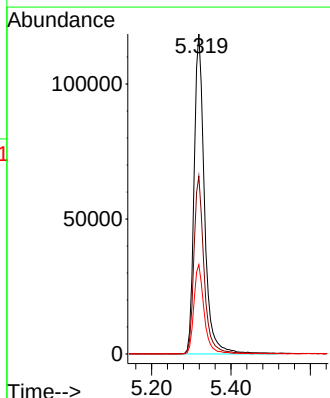
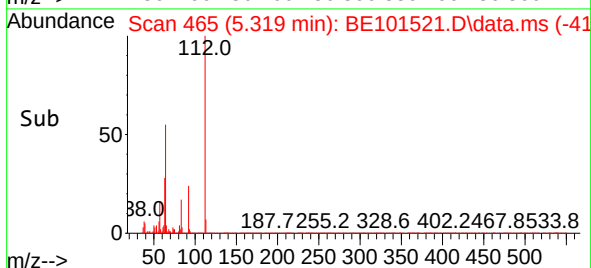
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

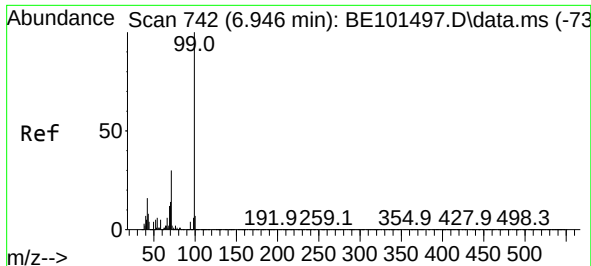


#5
2-Fluorophenol
Concen: 36.939 ng
RT: 5.319 min Scan# 465
Delta R.T. 0.006 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37



Tgt Ion:112 Resp: 214975
Ion Ratio Lower Upper
112 100
64 55.5 43.2 64.8
63 27.9 21.8 32.6





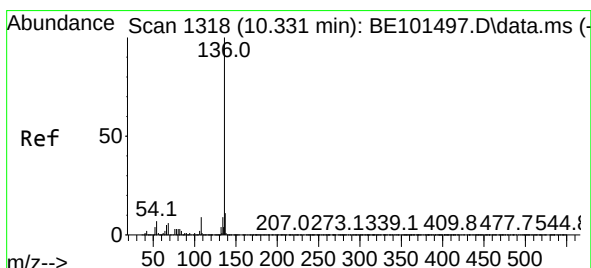
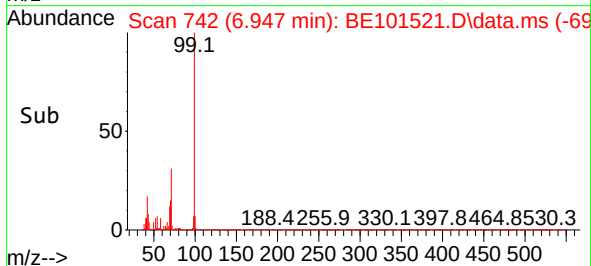
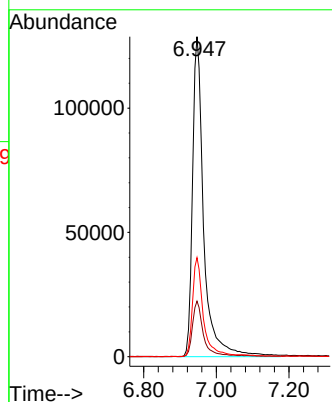
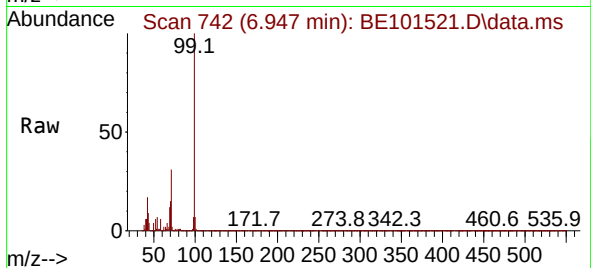
#7
Phenol-d6
Concen: 34.644 ng
RT: 6.947 min Scan# 742
Delta R.T. 0.000 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

Instrument :
BNA_E
ClientSampleId :
OR-02-110424

Tgt Ion:	99	Resp:	276434
Ion	Ratio	Lower	Upper
99	100		
42	17.4	12.5	18.7
71	31.0	24.2	36.2

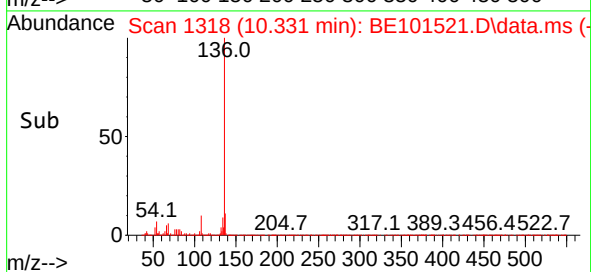
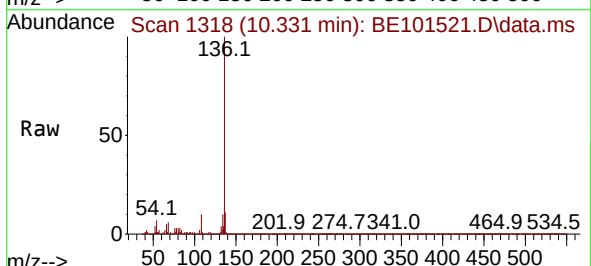
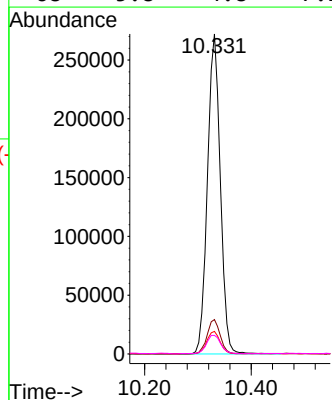
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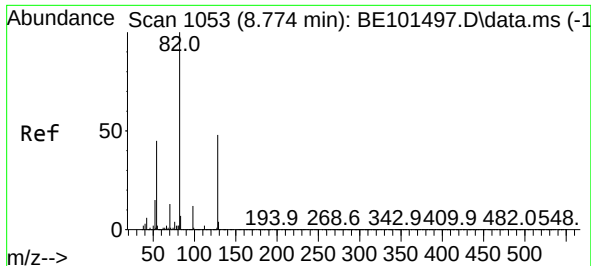
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.331 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

Tgt Ion:	136	Resp:	455557
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	7.1	5.6	8.4
68	5.8	4.8	7.2





#23
Nitrobenzene-d5
Concen: 23.261 ng
RT: 8.774 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

Instrument :

BNA_E

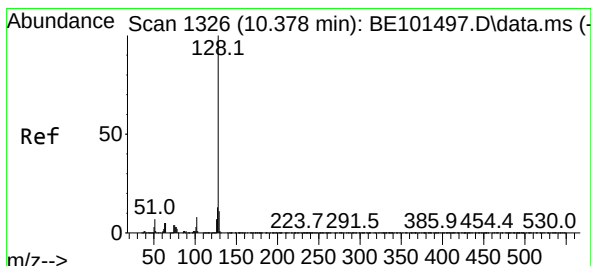
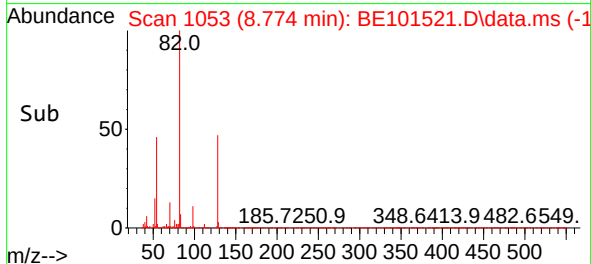
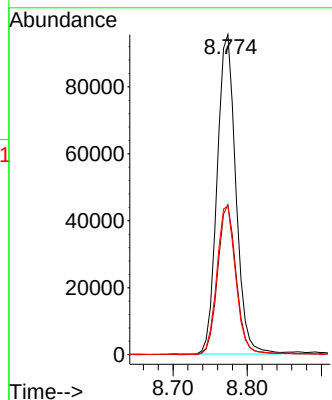
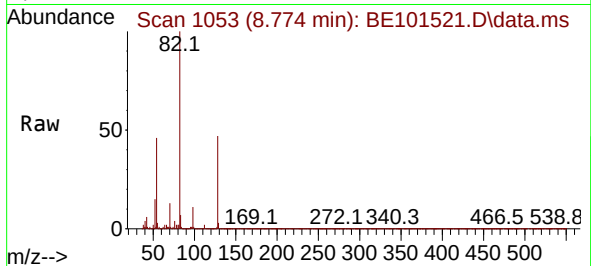
ClientSampleId :

OR-02-110424

Tgt Ion: 82 Resp: 167764
Ion Ratio Lower Upper
82 100
128 46.8 38.6 58.0
54 46.5 36.3 54.5

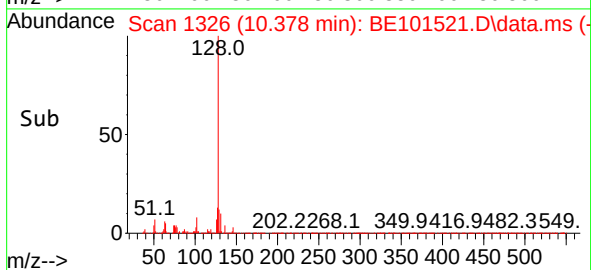
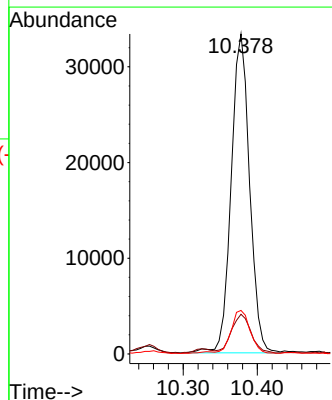
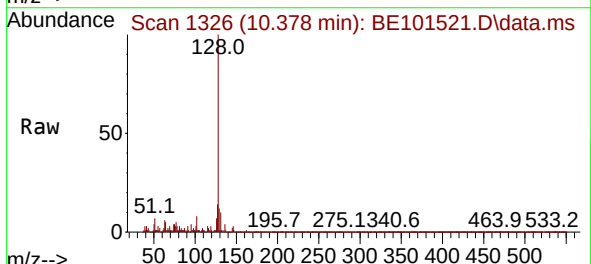
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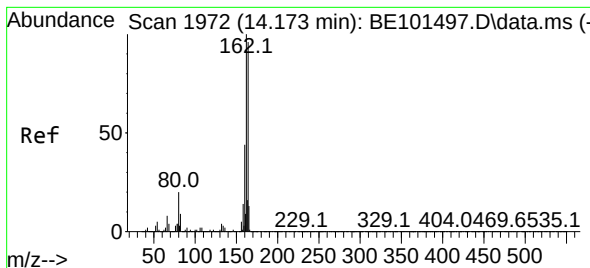
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



#31
Naphthalene
Concen: 2.499 ng
RT: 10.378 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

Tgt Ion:128 Resp: 57465
Ion Ratio Lower Upper
128 100
129 12.4 8.9 13.3
127 13.6 10.3 15.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.173 min Scan# 1972

Delta R.T. 0.000 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Instrument :

BNA_E

ClientSampleId :

OR-02-110424

Tgt Ion:164 Resp: 297600

Ion Ratio Lower Upper

164 100

162 103.5 83.7 125.5

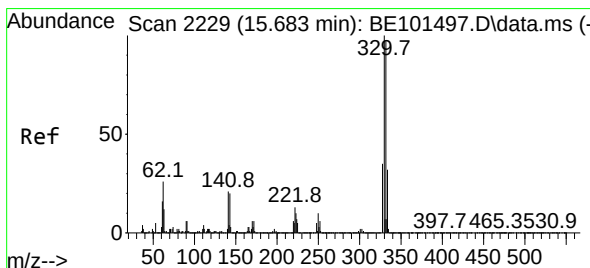
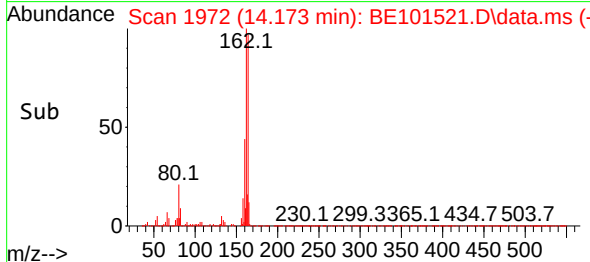
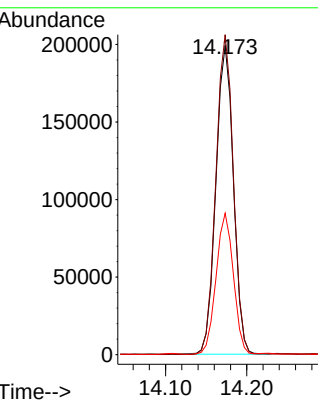
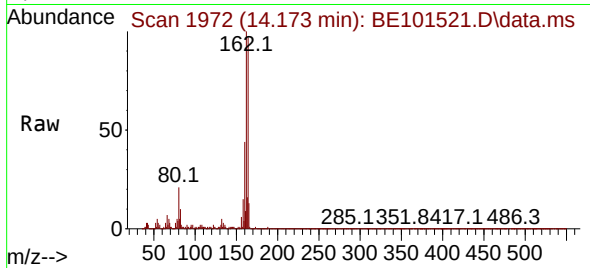
160 45.8 37.1 55.7

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 33.665 ng

RT: 15.683 min Scan# 2229

Delta R.T. 0.000 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

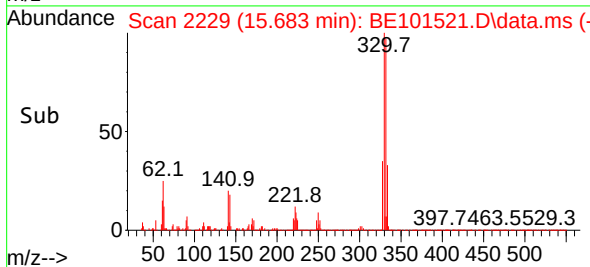
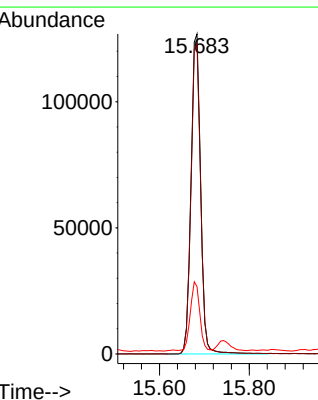
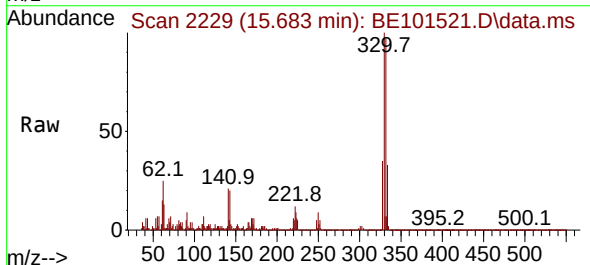
Tgt Ion:330 Resp: 188528

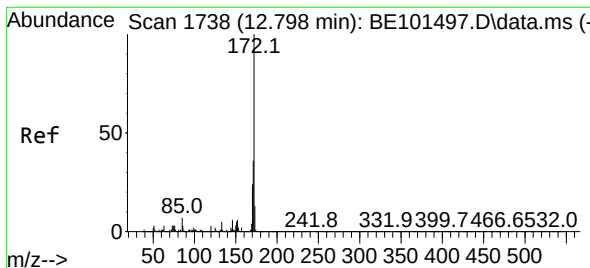
Ion Ratio Lower Upper

330 100

332 96.9 77.7 116.5

141 20.9 17.0 25.4





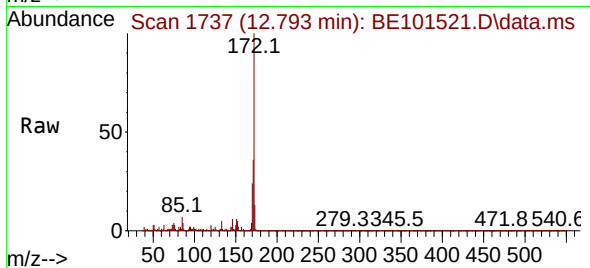
#45
2-Fluorobiphenyl
Concen: 25.575 ng
RT: 12.793 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

Instrument :

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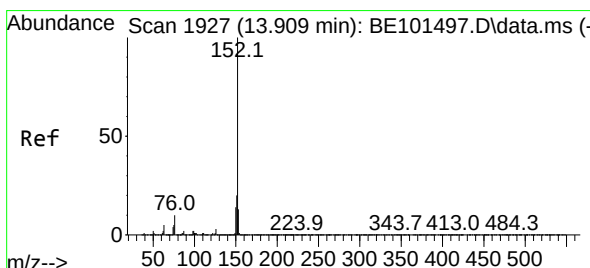
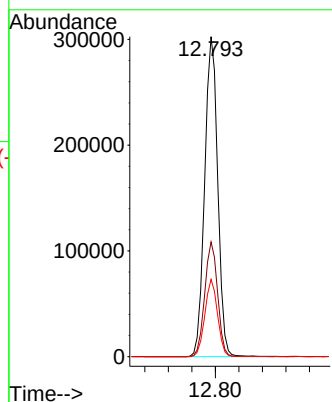
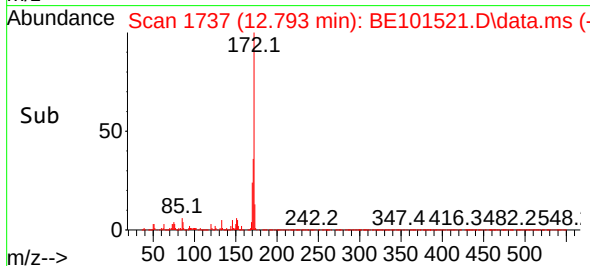


Tgt Ion:172 Resp: 46614
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 24.1 18.9 28.3

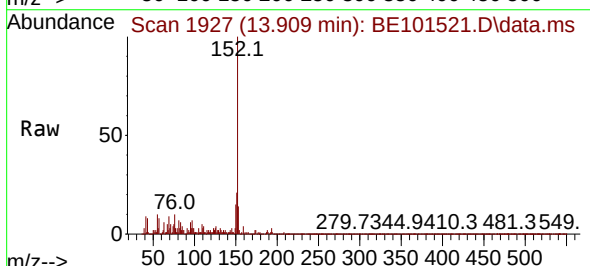
Manual Integrations

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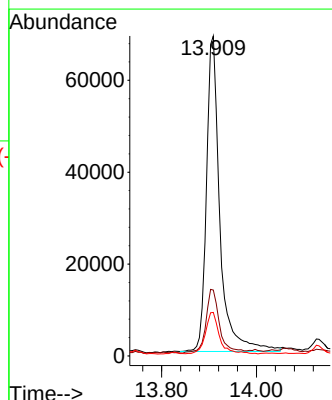
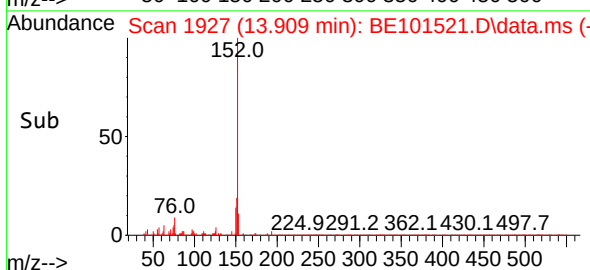
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

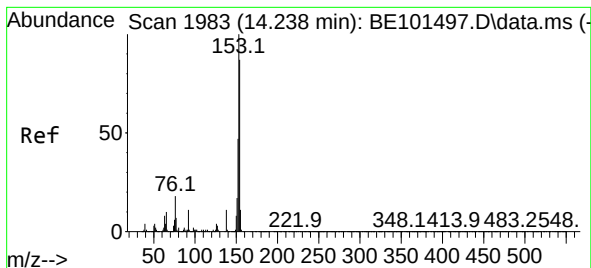


#49
Acenaphthylene
Concen: 5.599 ng
RT: 13.909 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37



Tgt Ion:152 Resp: 135101
Ion Ratio Lower Upper
152 100
151 20.6 15.6 23.4
153 13.6 10.3 15.5





#52

Acenaphthene

Concen: 4.984 ng

RT: 14.238 min Scan# 1983

Delta R.T. 0.000 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Instrument :

BNA_E

ClientSampleId :

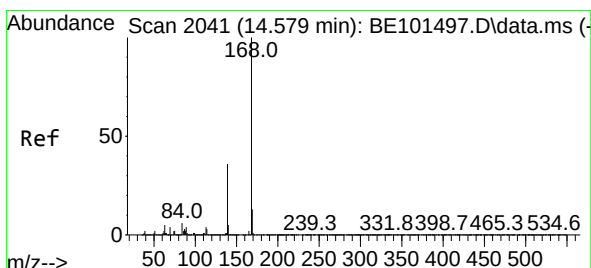
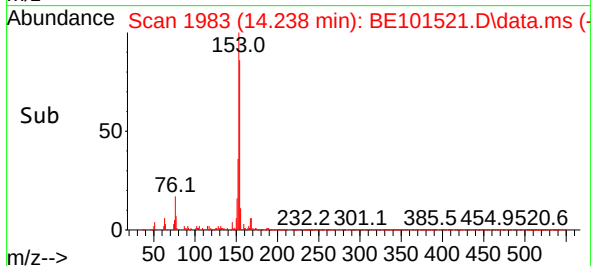
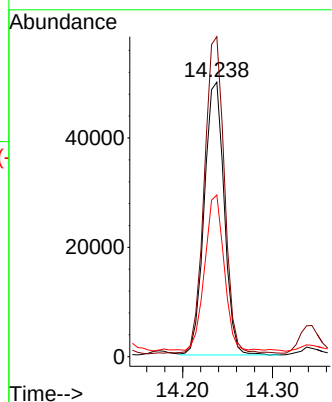
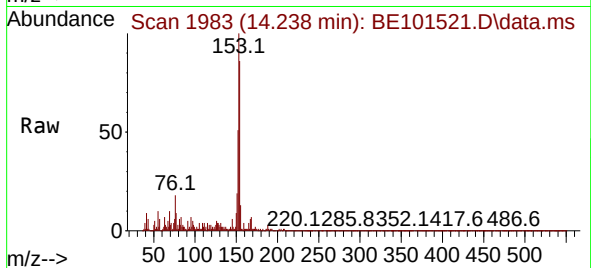
OR-02-110424

Tgt Ion:	154	Resp:	7674
Ion	Ratio	Lower	Upper
154	100		
153	116.6	92.3	138.5
152	58.9	43.6	65.4

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#55

Dibenzofuran

Concen: 3.198 ng

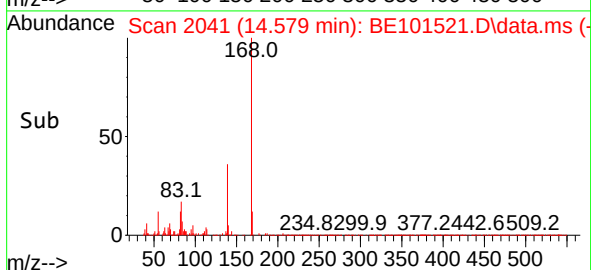
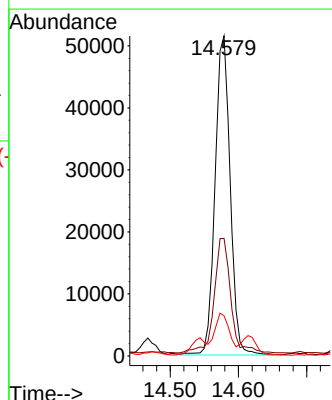
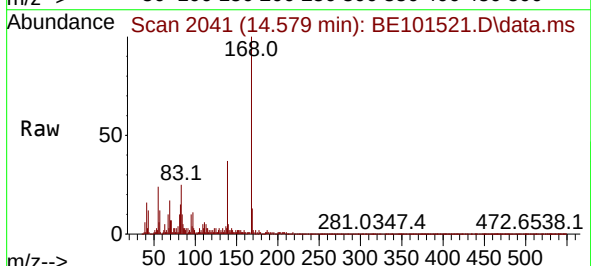
RT: 14.579 min Scan# 2041

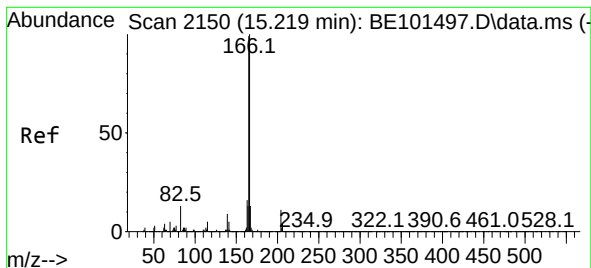
Delta R.T. 0.000 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Tgt Ion:	168	Resp:	79303
Ion	Ratio	Lower	Upper
168	100		
139	36.7	29.1	43.7
169	12.6	10.6	16.0





#58

Fluorene

Concen: 6.761 ng

RT: 15.213 min Scan# 2150

Delta R.T. -0.006 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Instrument :

BNA_E

ClientSampleId :

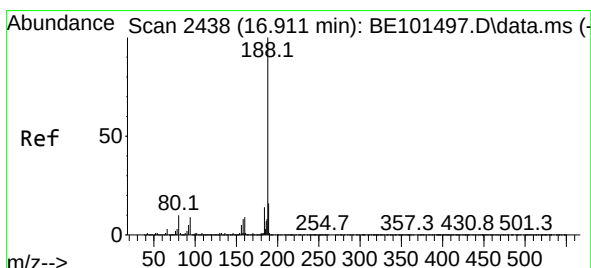
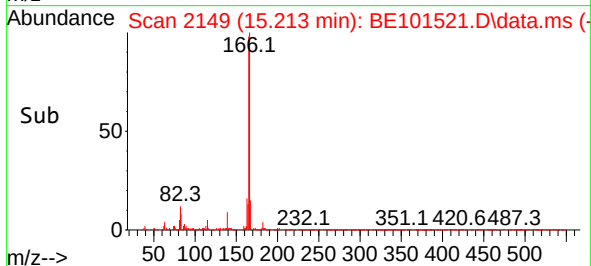
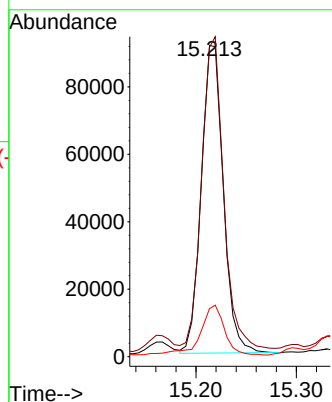
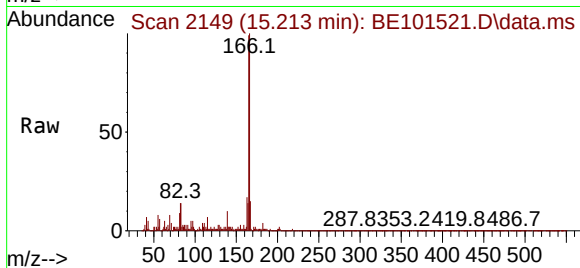
OR-02-110424

Tgt Ion:166	Resp: 13989
Ion Ratio	Lower Upper
166 100	
165 99.4	79.0 118.4
167 15.4	10.6 16.0

Manual Integrations

APPROVED

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



#64

Phenanthrene-d10

Concen: 20.000 ng

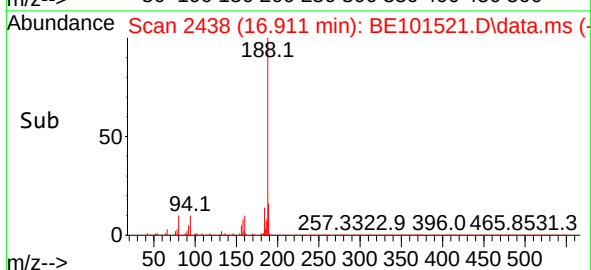
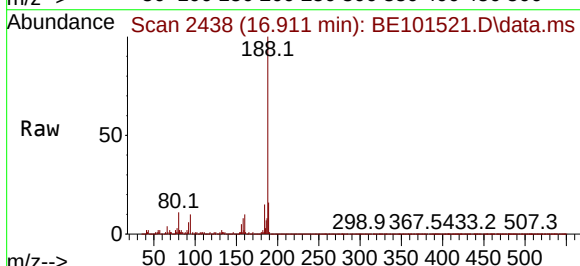
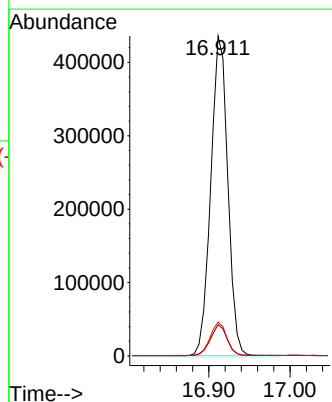
RT: 16.911 min Scan# 2438

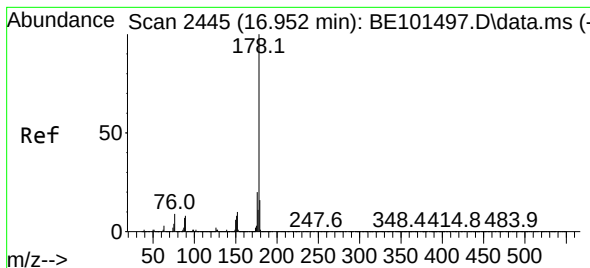
Delta R.T. 0.000 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Tgt Ion:188	Resp: 632358
Ion Ratio	Lower Upper
188 100	
94 9.7	7.4 11.2
80 10.6	8.0 12.0





#71

Phenanthrene

Concen: 43.669 ng

RT: 16.958 min Scan# 2445

Delta R.T. 0.006 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Instrument :

BNA_E

ClientSampleId :

OR-02-110424

Tgt Ion:178 Resp: 134309

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

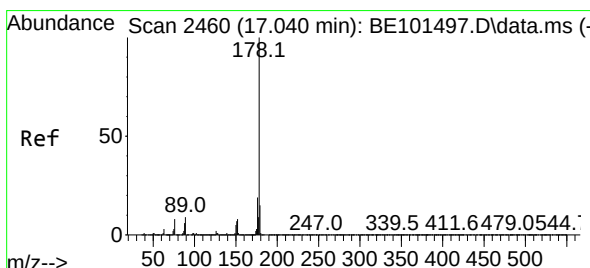
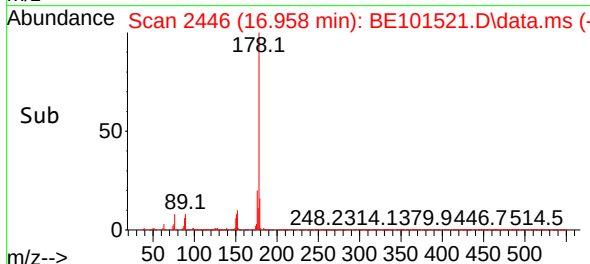
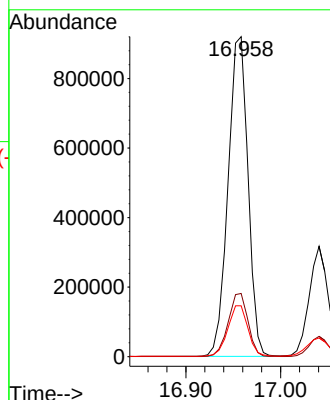
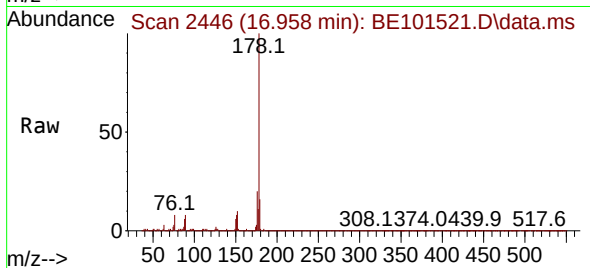
179 15.9 12.6 19.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024

Supervised By :mohammad ahmed 11/08/2024



#72

Anthracene

Concen: 14.932 ng

RT: 17.041 min Scan# 2460

Delta R.T. 0.000 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

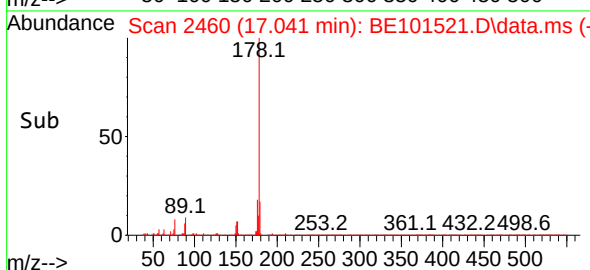
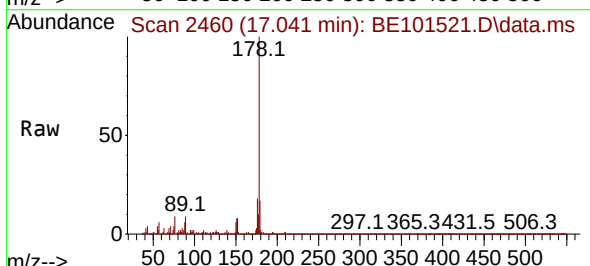
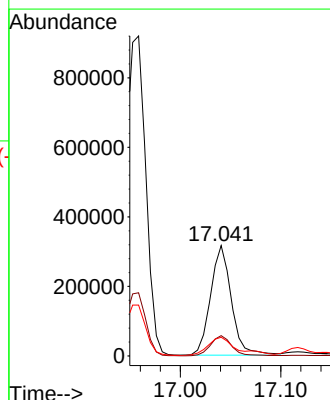
Tgt Ion:178 Resp: 453517

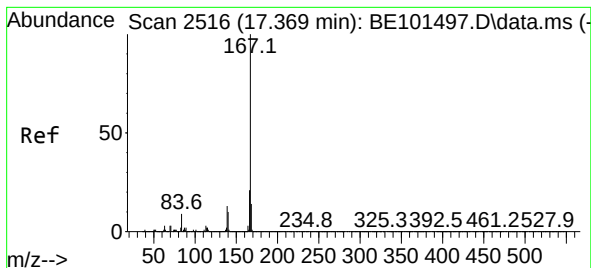
Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

179 17.0 12.4 18.6





#73

Carbazole

Concen: 3.470 ng

RT: 17.370 min Scan# 2516

Delta R.T. 0.000 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Instrument :

BNA_E

ClientSampleId :

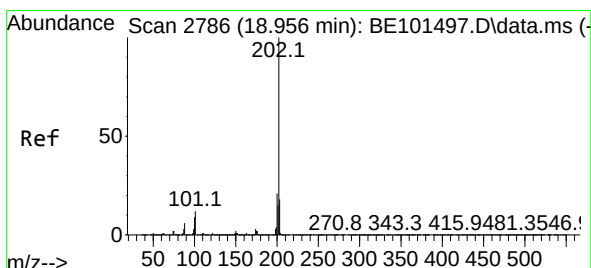
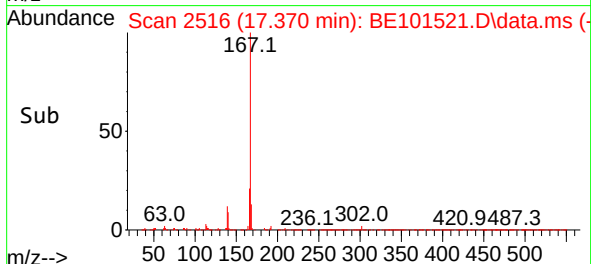
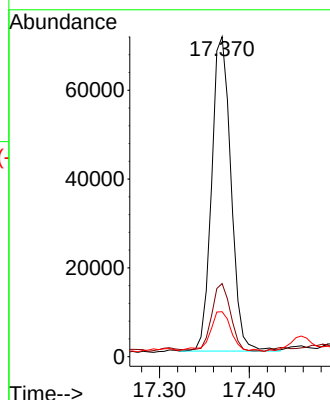
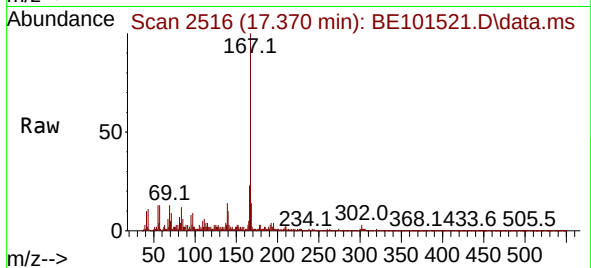
OR-02-110424

Tgt Ion:167 Resp: 105694
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.1 25.7
 139 14.1 10.2 15.2

Manual Integrations

APPROVED

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



#75

Fluoranthene

Concen: 57.102 ng

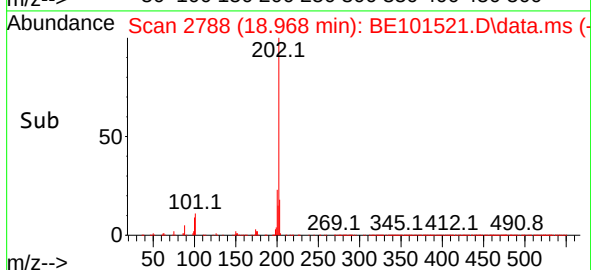
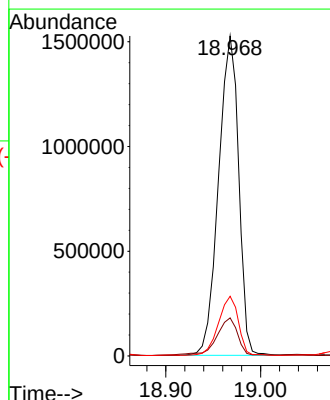
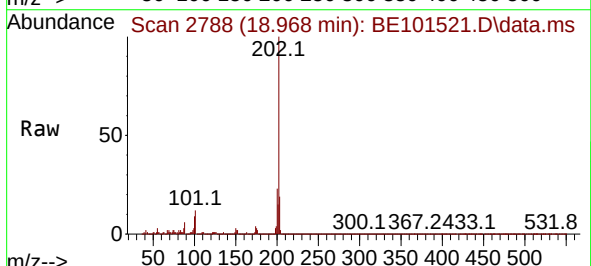
RT: 18.968 min Scan# 2788

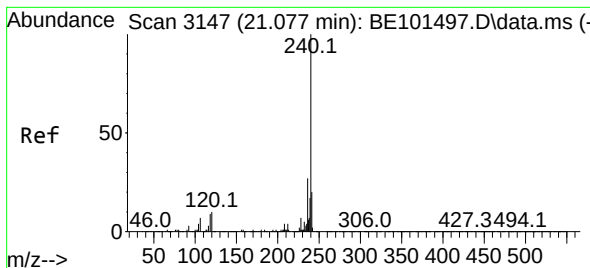
Delta R.T. 0.012 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Tgt Ion:202 Resp: 2251758
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 31.7
 203 18.7 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.077 min Scan# 3147

Delta R.T. 0.000 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Instrument :

BNA_E

ClientSampleId :

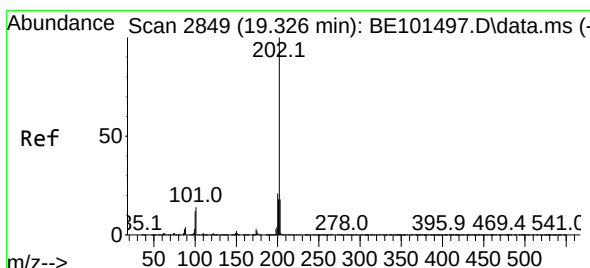
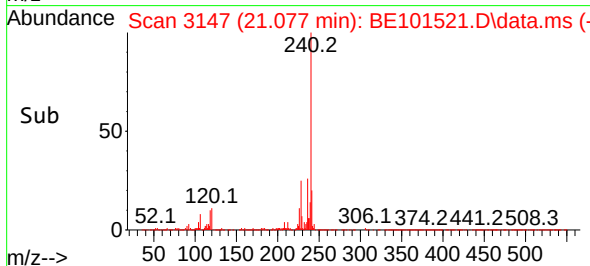
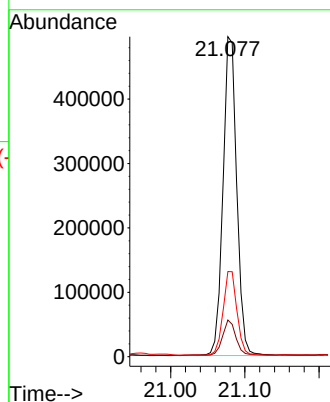
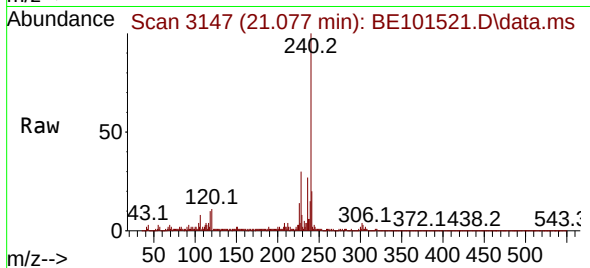
OR-02-110424

Tgt Ion:	240	Resp:	637468
Ion Ratio	Lower	Upper	
240	100		
120	11.4	8.2	12.4
236	26.6	21.4	32.2

Manual Integrations

APPROVED

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



#78

Pyrene

Concen: 61.397 ng

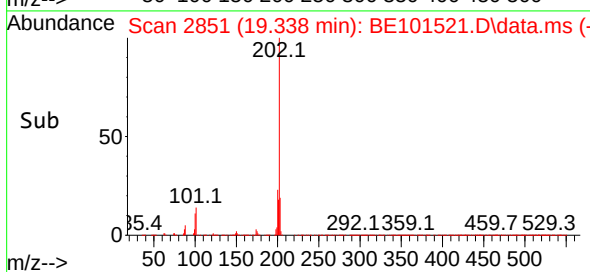
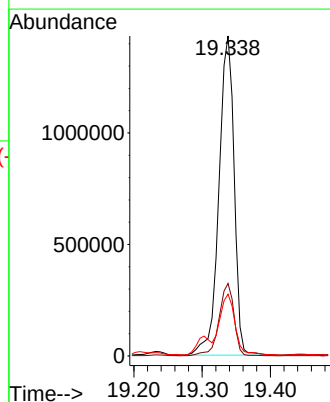
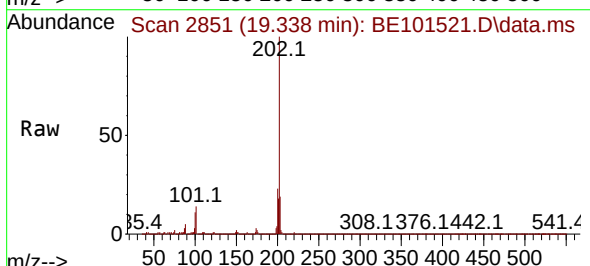
RT: 19.338 min Scan# 2851

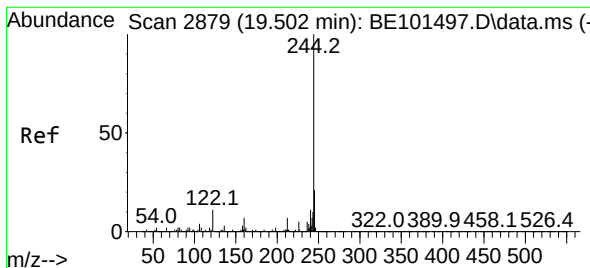
Delta R.T. 0.012 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Tgt Ion:	202	Resp:	2226950
Ion Ratio	Lower	Upper	
202	100		
200	22.6	17.2	25.8
203	19.3	14.2	21.4





#79

Terphenyl-d14

Concen: 29.993 ng

RT: 19.508 min Scan# 21

Delta R.T. 0.006 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Instrument :

BNA_E

ClientSampleId :

OR-02-110424

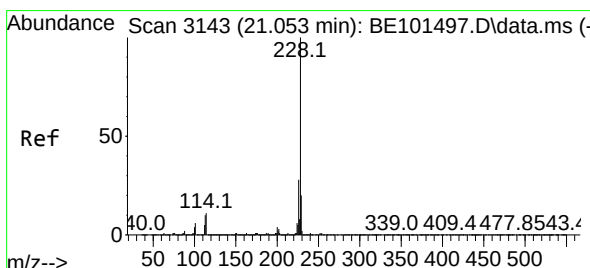
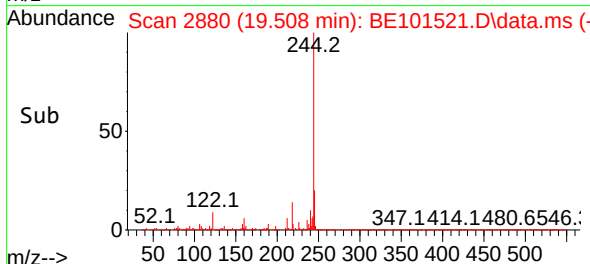
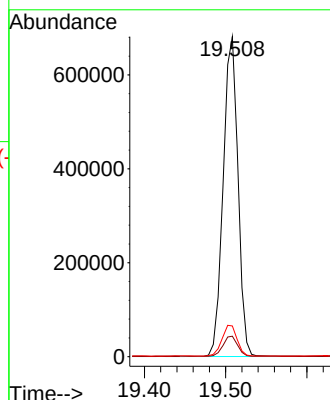
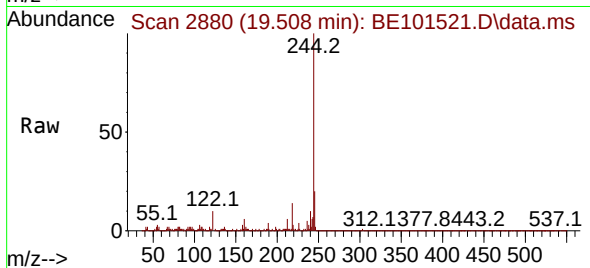
Tgt Ion:244 Resp: 86375

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.8
122	9.6	8.4	12.6

Manual Integrations

APPROVED

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



#81

Benzo(a)anthracene

Concen: 36.135 ng

RT: 21.059 min Scan# 3144

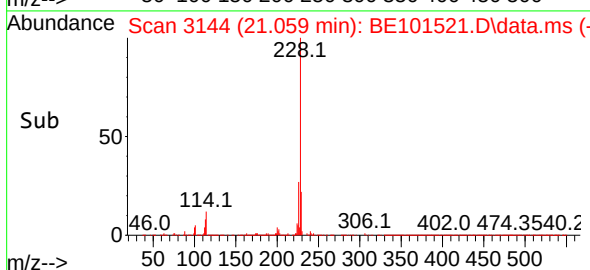
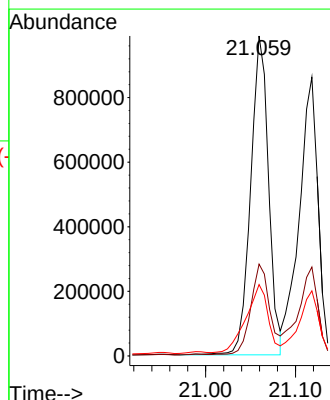
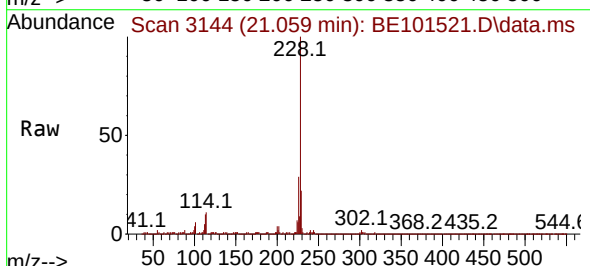
Delta R.T. 0.006 min

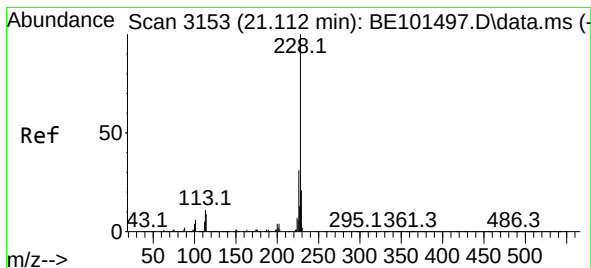
Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Tgt Ion:228 Resp: 1368071

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.4	33.6
229	22.3	16.1	24.1





#83

Chrysene

Concen: 34.157 ng

RT: 21.118 min Scan# 31

Delta R.T. 0.006 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

Instrument :

BNA_E

ClientSampleId :

OR-02-110424

Tgt Ion:228 Resp: 1229154

Ion Ratio Lower Upper

228 100

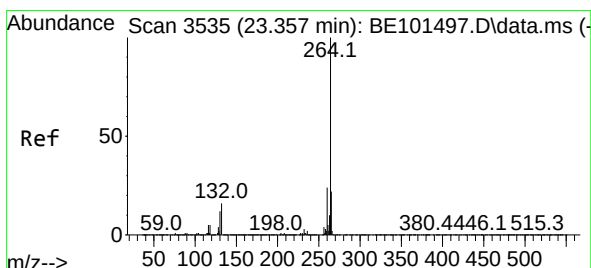
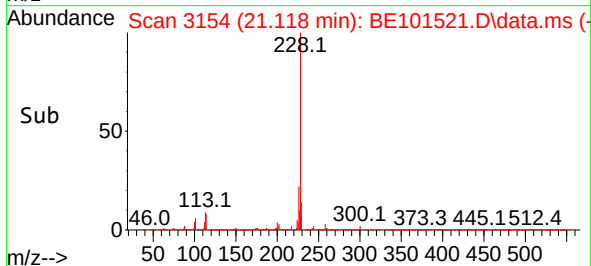
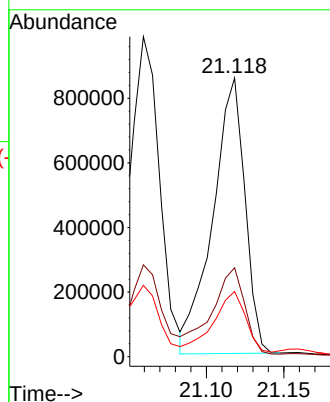
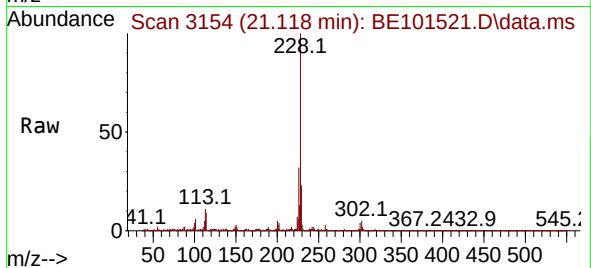
226 31.9 25.1 37.7

229 23.3 16.4 24.6

Manual Integrations

APPROVED

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.380 min Scan# 3539

Delta R.T. 0.024 min

Lab File: BE101521.D

Acq: 7 Nov 2024 6:37

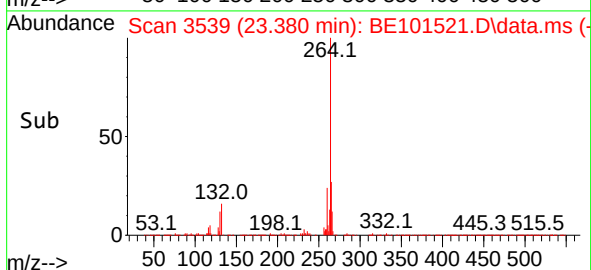
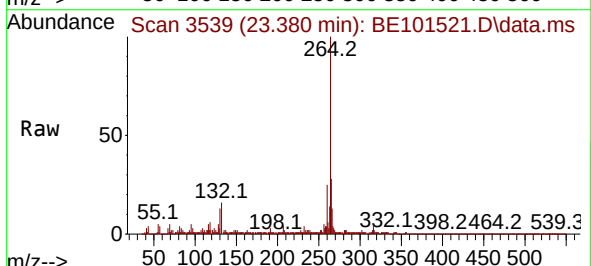
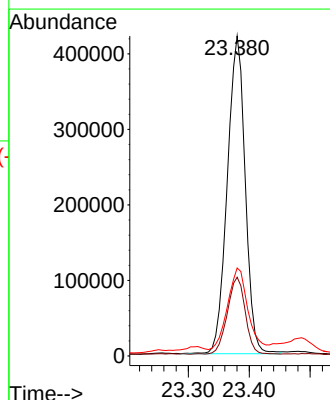
Tgt Ion:264 Resp: 857820

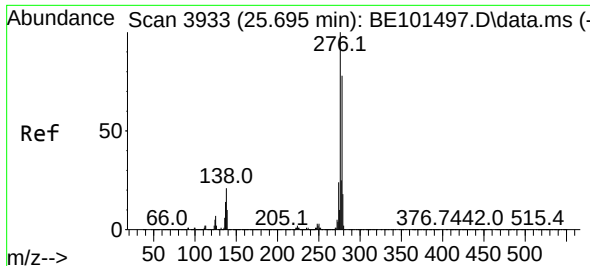
Ion Ratio Lower Upper

264 100

260 24.6 19.4 29.2

265 27.5 17.4 26.2#





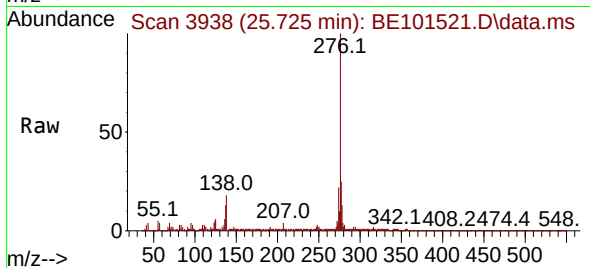
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.715 ng
RT: 25.725 min Scan# 3933
Delta R.T. 0.030 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

Instrument :

BNA_E

ClientSampleId :

OR-02-110424

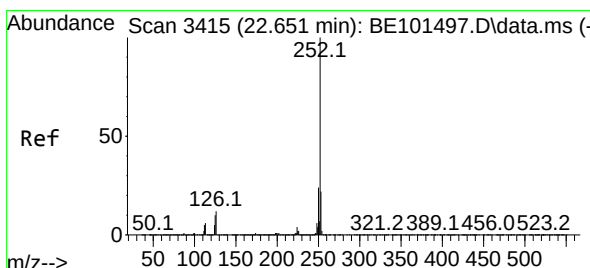
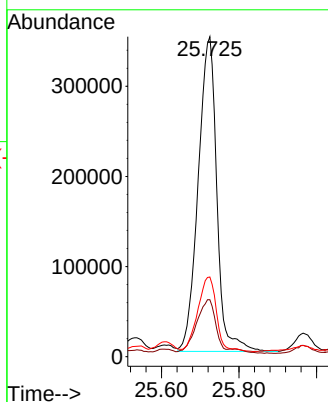
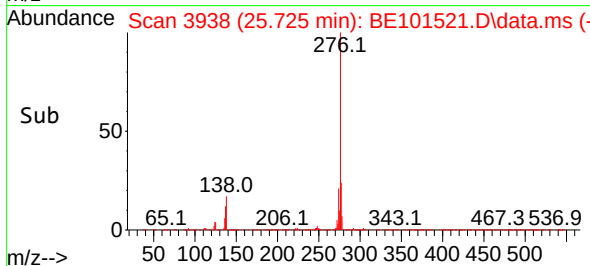


Tgt Ion: 276 Resp: 1162218
Ion Ratio Lower Upper
276 100
138 16.5 17.0 25.6
277 23.9 20.2 30.2

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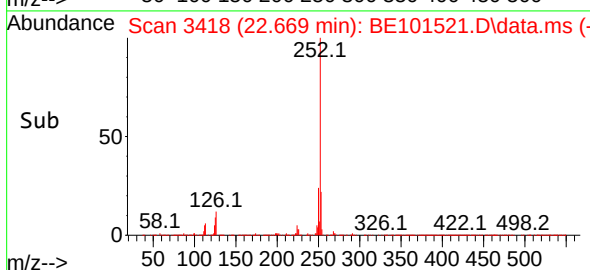
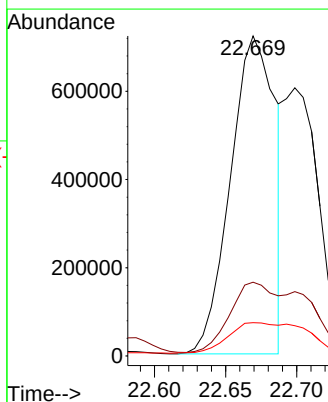
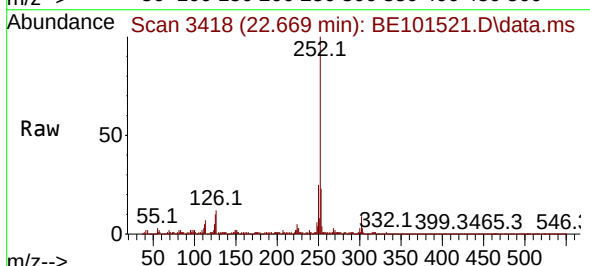
APPROVED

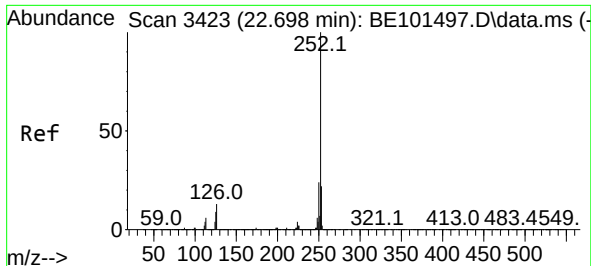
Reviewed By : Jagrut Upadhyay 11/07/2024
Supervised By : mohammad ahmed 11/08/2024



#88
Benzo(b)fluoranthene
Concen: 33.503 ng
RT: 22.669 min Scan# 3418
Delta R.T. 0.018 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

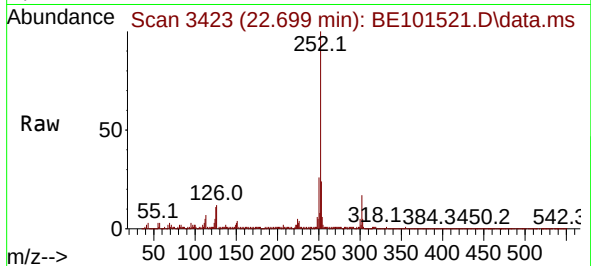
Tgt Ion: 252 Resp: 1576779
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 10.4 7.8 11.8





#89
Benzo(k)fluoranthene
Concen: 24.070 ng m
RT: 22.699 min Scan# 3423
Delta R.T. 0.000 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37

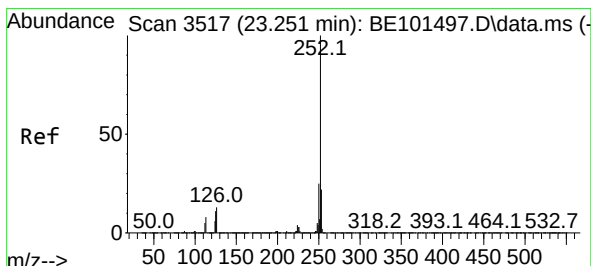
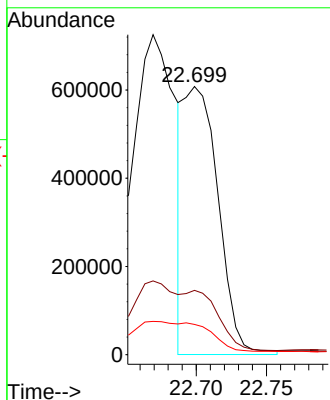
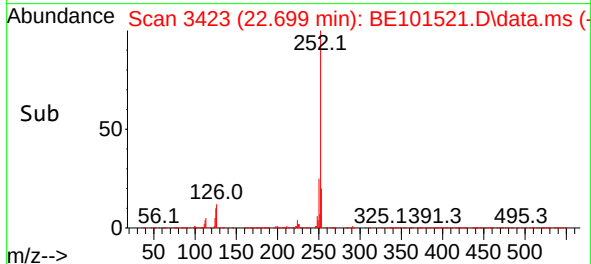
Instrument :
BNA_E
ClientSampleId :
OR-02-110424



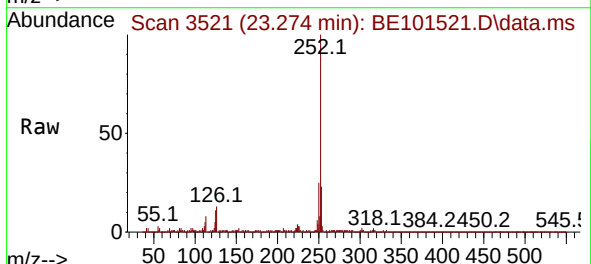
Tgt Ion:252 Resp: 1028340
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 11.3 7.7 11.5

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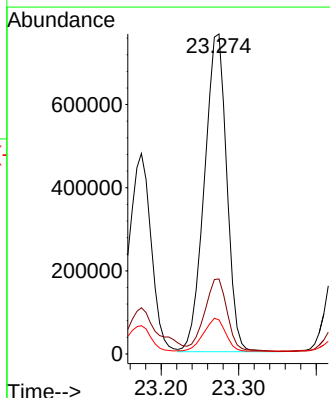
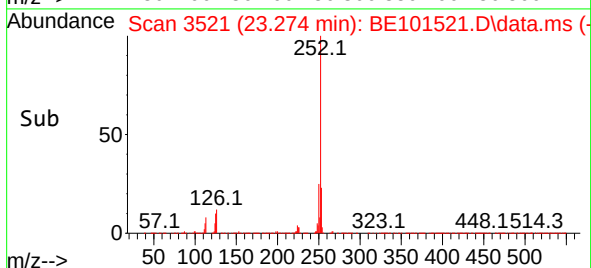
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

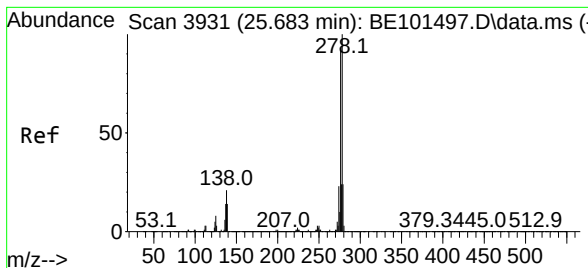


#90
Benzo(a)pyrene
Concen: 37.617 ng
RT: 23.274 min Scan# 3521
Delta R.T. 0.024 min
Lab File: BE101521.D
Acq: 7 Nov 2024 6:37



Tgt Ion:252 Resp: 1528422
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 10.7 8.6 13.0





#91
 Dibenzo(a,h)anthracene
 Concen: 5.469 ng
 RT: 25.695 min Scan# 3931
 Delta R.T. 0.012 min
 Lab File: BE101521.D
 Acq: 7 Nov 2024 6:37

Instrument :

BNA_E

ClientSampleId :

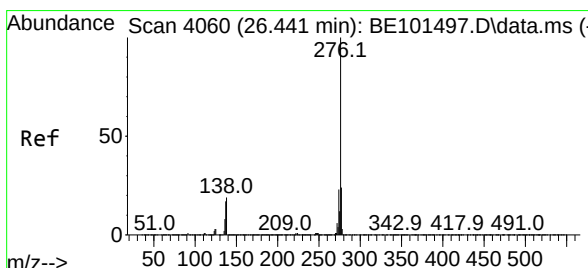
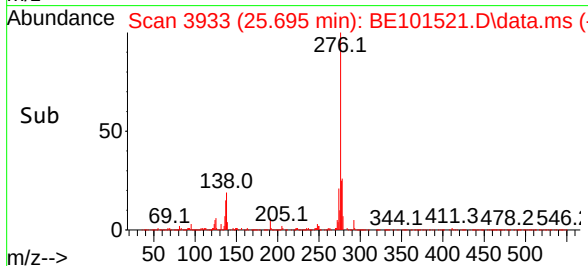
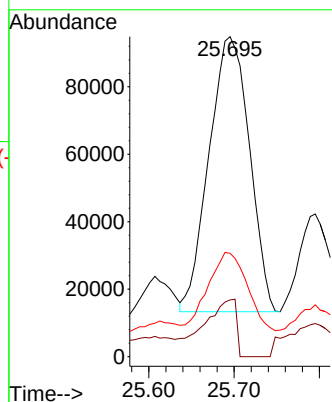
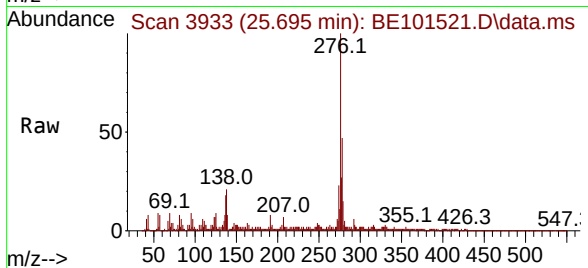
OR-02-110424

Tgt Ion: 278 Resp: 268500
 Ion Ratio Lower Upper
 278 100
 139 17.7 11.2 16.8
 279 32.3 19.1 28.7

Manual Integrations

APPROVED

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



#92
 Benzo(g,h,i)perylene
 Concen: 22.397 ng
 RT: 26.482 min Scan# 4067
 Delta R.T. 0.041 min
 Lab File: BE101521.D
 Acq: 7 Nov 2024 6:37

Tgt Ion: 276 Resp: 1117102
 Ion Ratio Lower Upper
 276 100
 277 26.5 19.5 29.3
 138 19.4 15.3 22.9

