

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
 Data File : BE101590.D
 Acq On : 12 Nov 2024 23:58
 Operator : RC/JU
 Sample : P4795-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LAW-23-00189

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/13/2024
 Supervised By :Jagrut Upadhyay 11/13/2024

Quant Time: Nov 13 01:00:09 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	7.558	152	54719	20.000	ng	0.00
21) Naphthalene-d8	10.320	136	243302	20.000	ng	-0.01
39) Acenaphthene-d10	14.168	164	157567	20.000	ng	0.00
64) Phenanthrene-d10	16.906	188	330496	20.000	ng	0.00
76) Chrysene-d12	21.072	240	337697	20.000	ng	0.00
86) Perylene-d12	23.357	264	430466	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.314	112	327898	105.956	ng	0.00
7) Phenol-d6	6.941	99	430374	101.431	ng	0.00
23) Nitrobenzene-d5	8.768	82	265113	68.827	ng	0.00
42) 2,4,6-Tribromophenol	15.678	330	284820	96.063	ng	0.00
45) 2-Fluorobiphenyl	12.787	172	705144	73.071	ng	-0.01
79) Terphenyl-d14	19.503	244	1209772	79.299	ng	0.00
Target Compounds					Qvalue	
71) Phenanthrene	16.947	178	40351	2.510	ng	# 89
75) Fluoranthene	18.957	202	136417	6.619	ng	95
78) Pyrene	19.327	202	125579	6.536	ng	96
80) Butylbenzylphthalate	20.173	149	35974	4.166	ng	90
81) Benzo(a)anthracene	21.048	228	86573	4.317	ng	97
83) Chrysene	21.107	228	112940	5.925	ng	97
84) Bis(2-ethylhexyl)phtha...	20.872	149	30875	2.365	ng	# 95
87) Indeno(1,2,3-cd)pyrene	25.672	276	111296	3.762	ng	95
88) Benzo(b)fluoranthene	22.646	252	184071m	7.794	ng	
89) Benzo(k)fluoranthene	22.676	252	79145m	3.692	ng	
90) Benzo(a)pyrene	23.246	252	114744	5.628	ng	# 94
92) Benzo(g,h,i)perylene	26.424	276	112676	4.502	ng	96

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

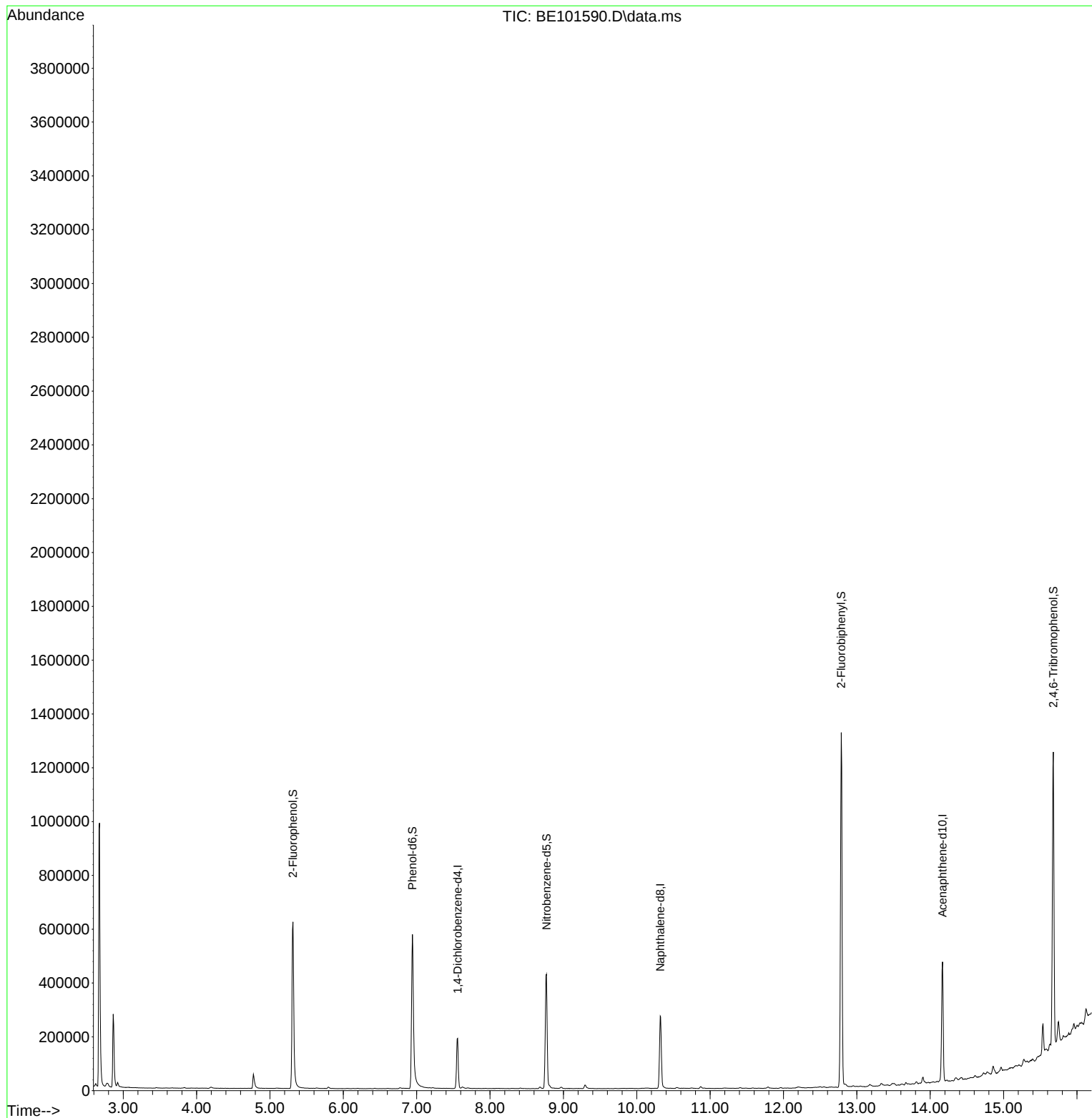
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
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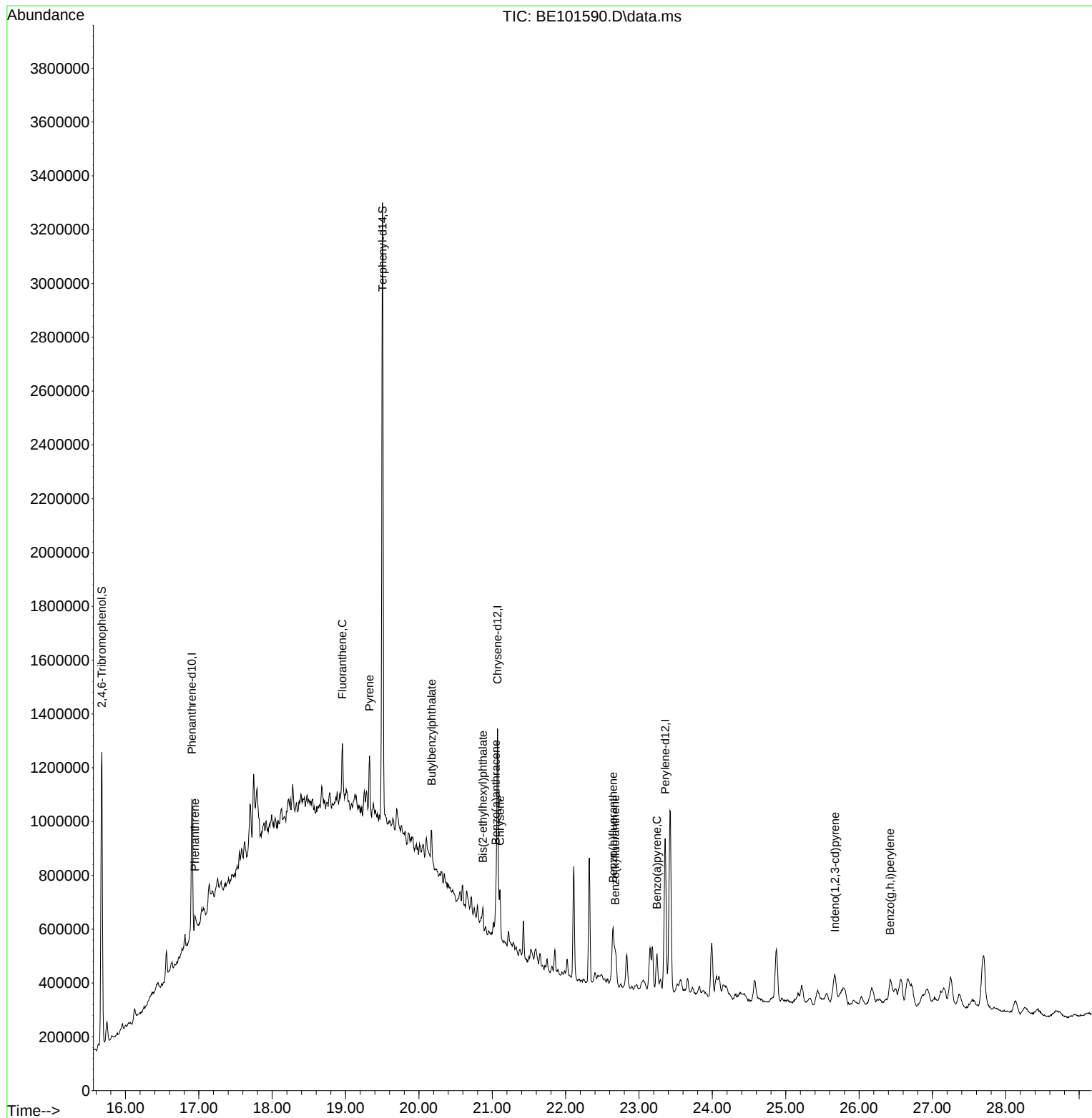
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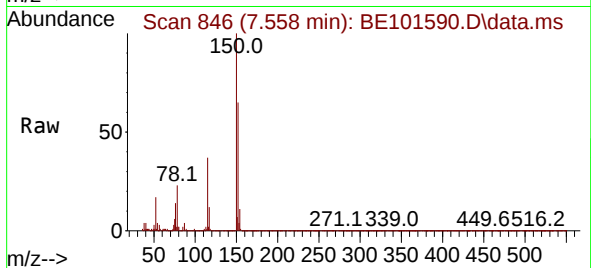
Reviewed By :Yogesh Patel 11/13/2024
Supervised By :Jagrut Upadhyay 11/13/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.558 min Scan# 847
Delta R.T. -0.005 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

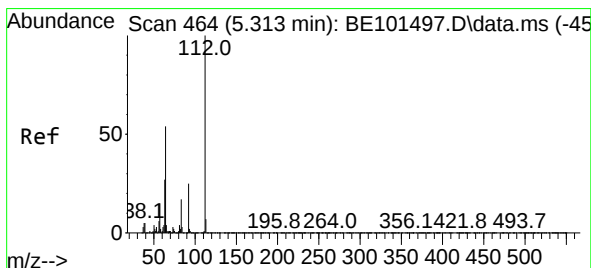
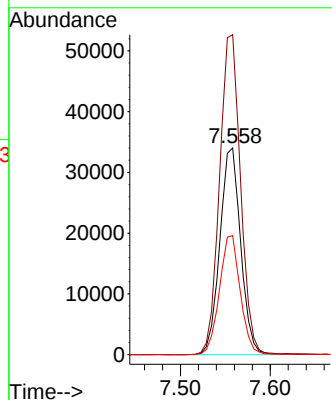
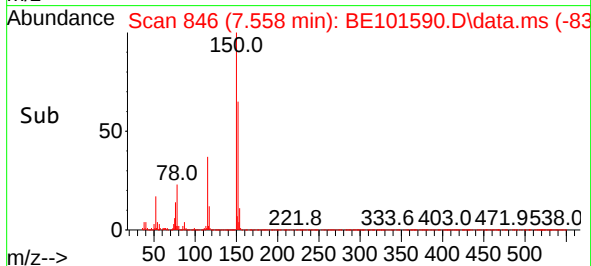
Instrument :
BNA_E
ClientSampleId :
LAW-23-00189



Tgt Ion:152 Resp: 54719
Ion Ratio Lower Upper
152 100
150 154.8 126.3 189.5
115 57.5 45.0 67.4

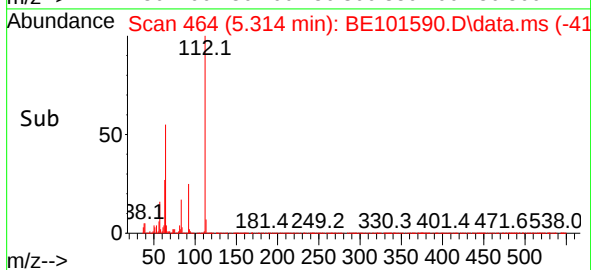
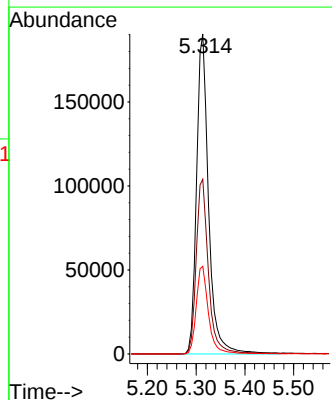
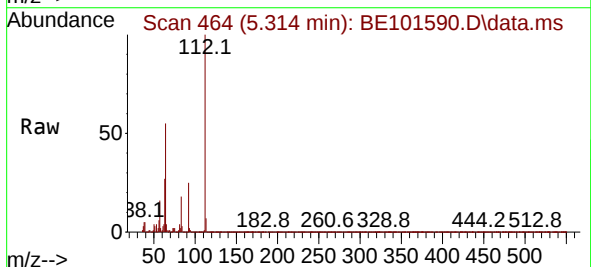
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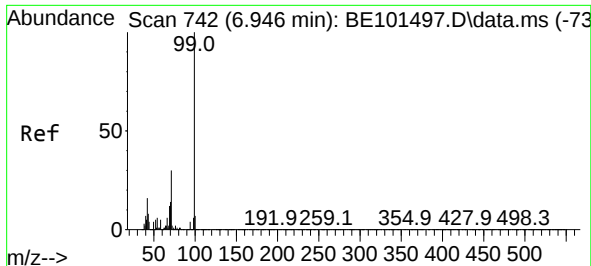
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#5
2-Fluorophenol
Concen: 105.956 ng
RT: 5.314 min Scan# 464
Delta R.T. 0.001 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

Tgt Ion:112 Resp: 327898
Ion Ratio Lower Upper
112 100
64 54.6 43.2 64.8
63 27.4 21.8 32.6





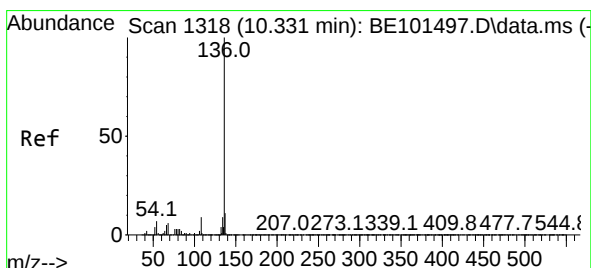
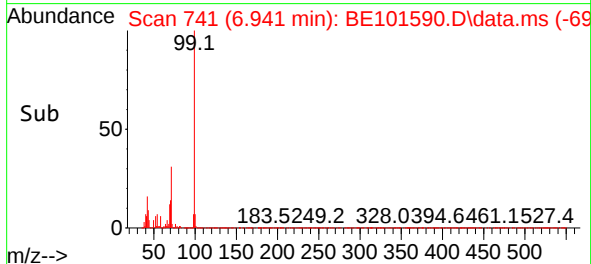
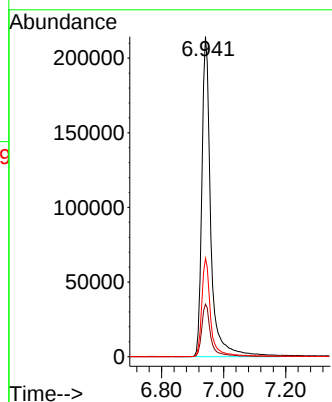
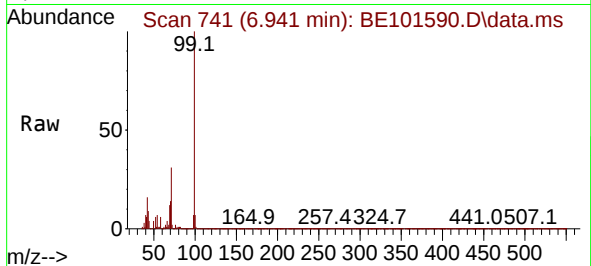
#7
Phenol-d6
Concen: 101.431 ng
RT: 6.941 min Scan# 741
Delta R.T. -0.005 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

Instrument :
BNA_E
ClientSampleId :
LAW-23-00189

Tgt Ion: 99 Resp: 430374
Ion Ratio Lower Upper
99 100
42 16.4 12.5 18.7
71 30.8 24.2 36.2

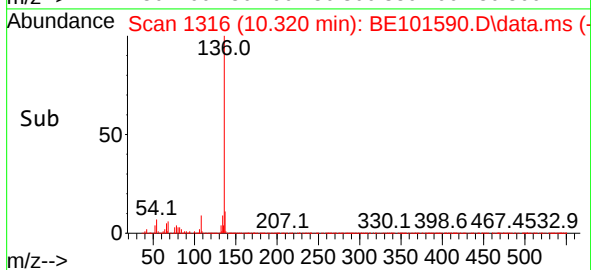
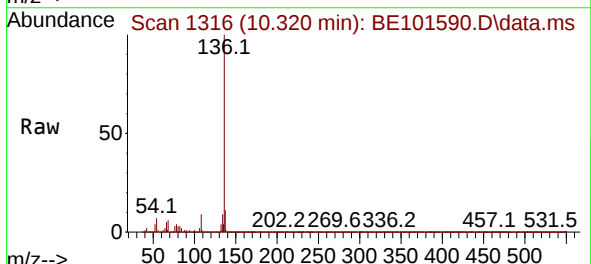
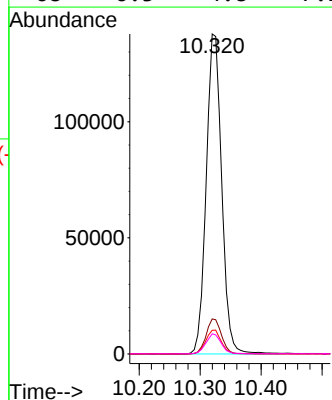
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.320 min Scan# 1316
Delta R.T. -0.011 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

Tgt Ion:136 Resp: 243302
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.4 5.6 8.4
68 6.3 4.8 7.2





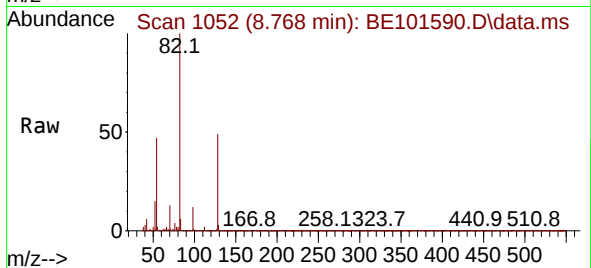
#23
Nitrobenzene-d5
Concen: 68.827 ng
RT: 8.768 min Scan# 1052
Delta R.T. -0.005 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

Instrument :

BNA_E

ClientSampleId :

LAW-23-00189



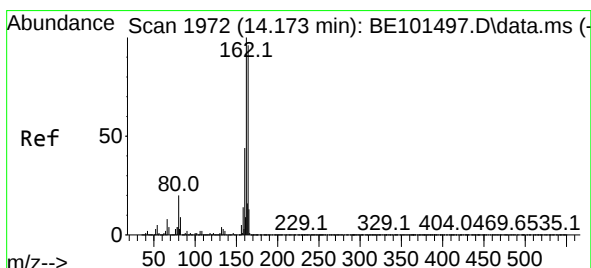
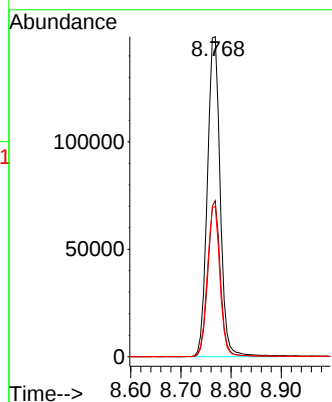
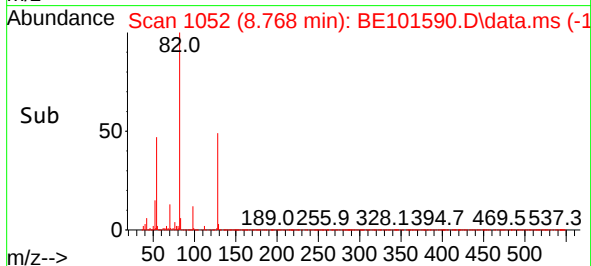
Tgt Ion: 82 Resp: 26511
Ion Ratio Lower Upper
82 100
128 48.8 38.6 58.0
54 46.9 36.3 54.5

Manual Integrations

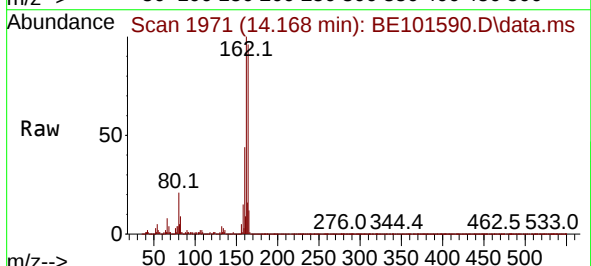
APPROVED

Reviewed By :Yogesh Patel 11/13/2024

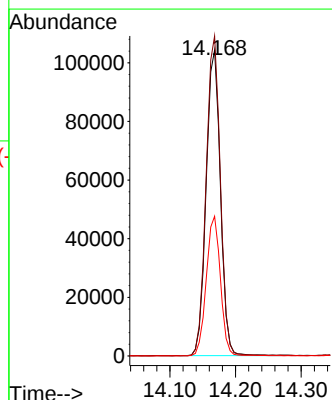
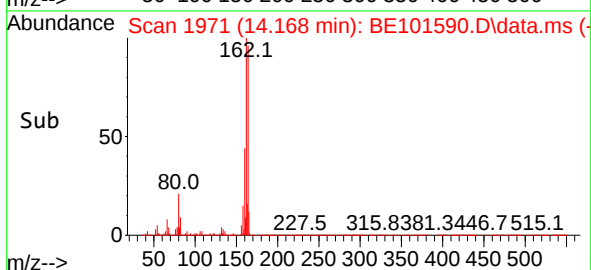
Supervised By :Jagrut Upadhyay 11/13/2024

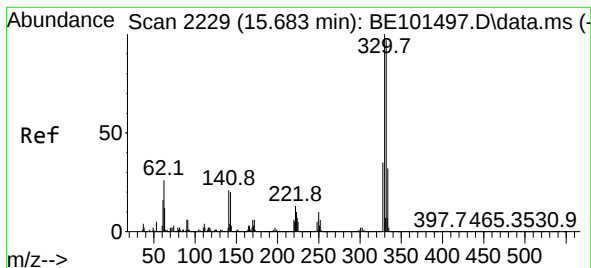


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.168 min Scan# 1971
Delta R.T. -0.005 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58



Tgt Ion:164 Resp: 157567
Ion Ratio Lower Upper
164 100
162 104.6 83.7 125.5
160 45.7 37.1 55.7





#42

2,4,6-Tribromophenol

Concen: 96.063 ng

RT: 15.678 min Scan# 21

Delta R.T. -0.005 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

Instrument :

BNA_E

ClientSampleId :

LAW-23-00189

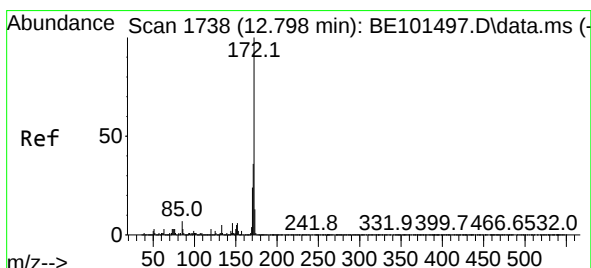
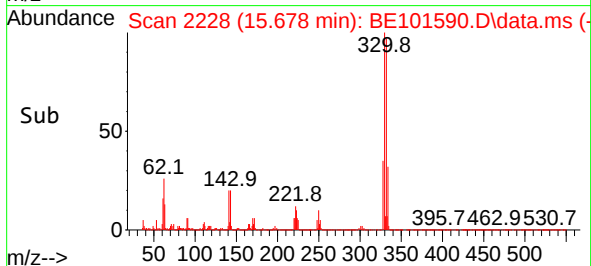
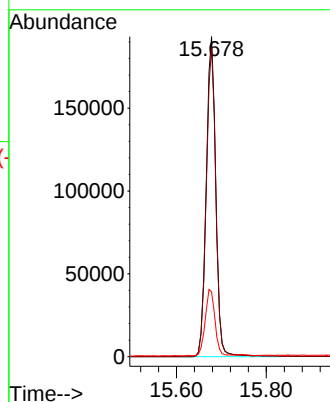
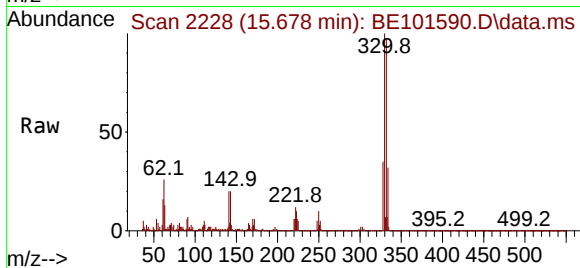
Tgt Ion:330 Resp: 284820
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.7 116.5
 141 21.0 17.0 25.4

Manual Integrations

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#45

2-Fluorobiphenyl

Concen: 73.071 ng

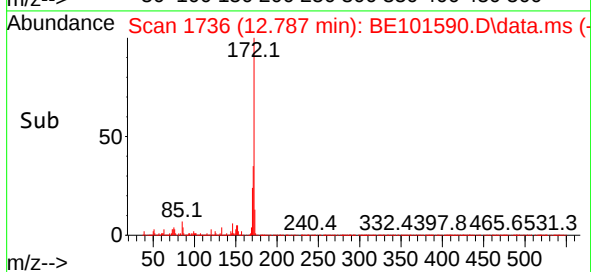
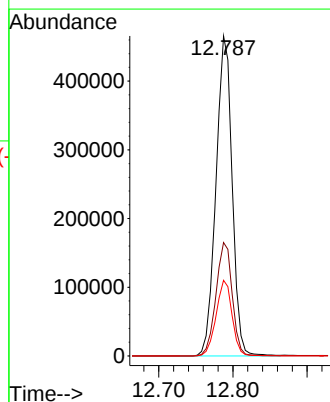
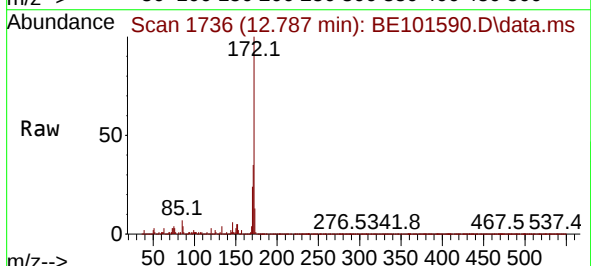
RT: 12.787 min Scan# 1736

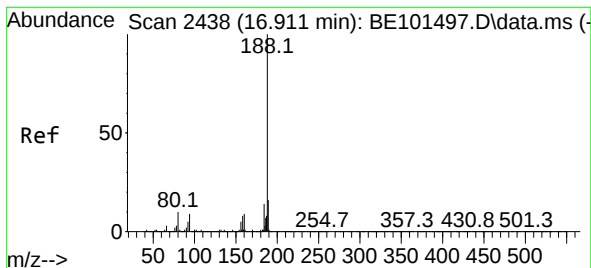
Delta R.T. -0.011 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

Tgt Ion:172 Resp: 705144
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 43.0
 170 23.7 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.906 min Scan# 2438

Delta R.T. -0.005 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

Instrument :

BNA_E

ClientSampleId :

LAW-23-00189

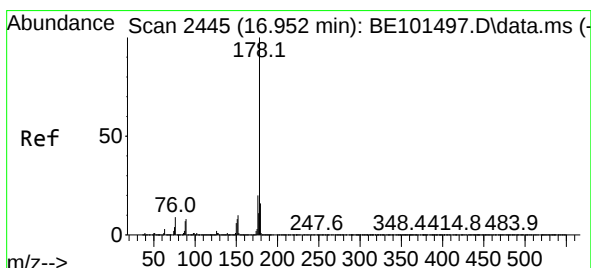
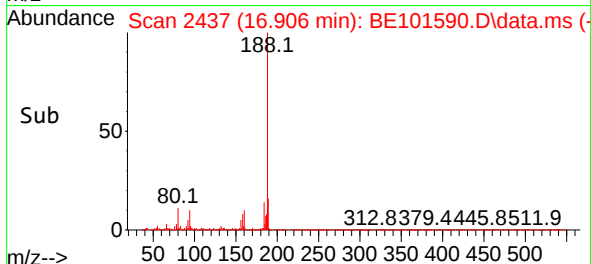
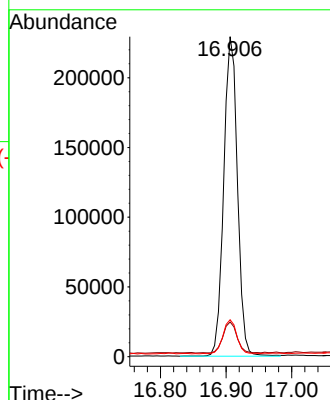
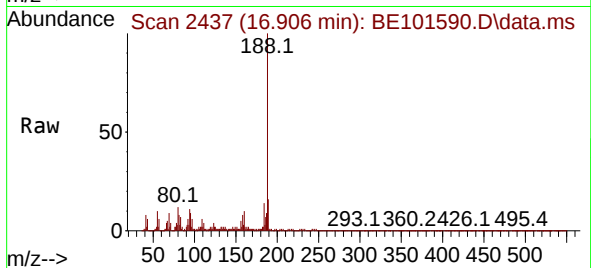
Tgt Ion:188 Resp: 330490
 Ion Ratio Lower Upper
 188 100
 94 10.9 7.4 11.2
 80 11.6 8.0 12.0

Manual Integrations

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#71

Phenanthrene

Concen: 2.510 ng

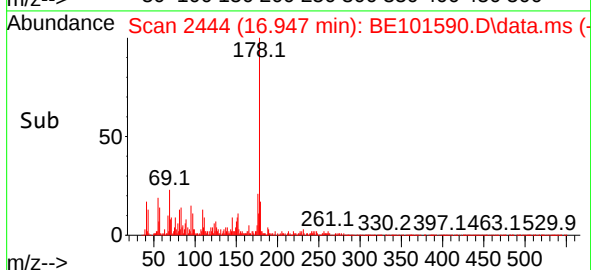
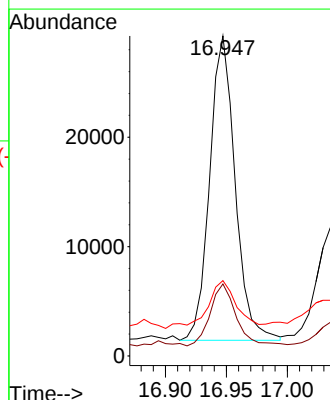
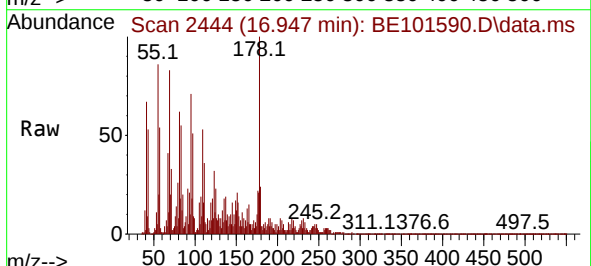
RT: 16.947 min Scan# 2444

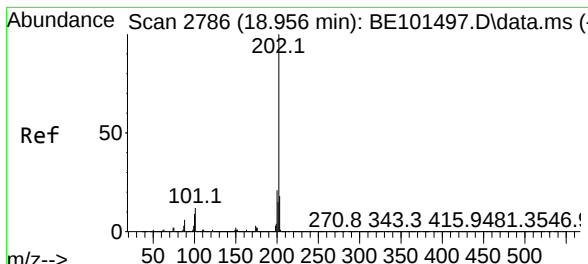
Delta R.T. -0.005 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

Tgt Ion:178 Resp: 40351
 Ion Ratio Lower Upper
 178 100
 176 22.5 15.8 23.8
 179 23.6 12.6 19.0#





#75
 Fluoranthene
 Concen: 6.619 ng
 RT: 18.957 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BE101590.D
 Acq: 12 Nov 2024 23:58

Instrument :

BNA_E

ClientSampleId :

LAW-23-00189

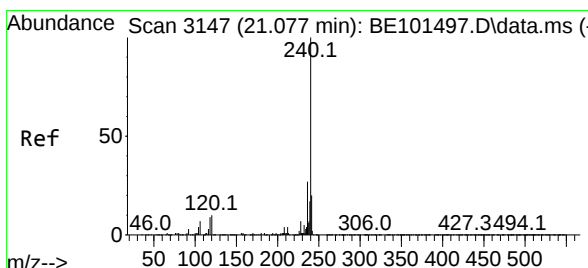
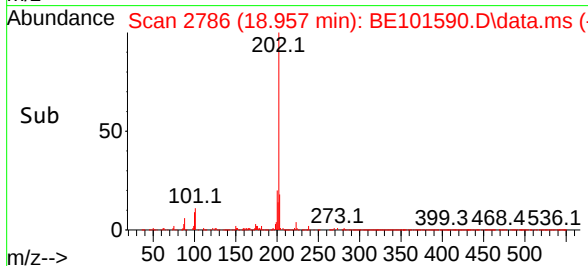
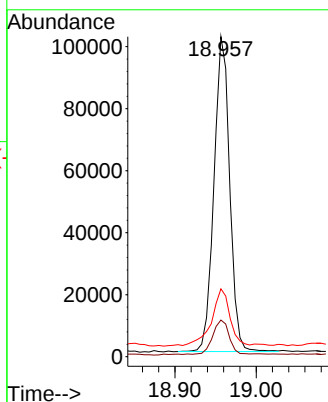
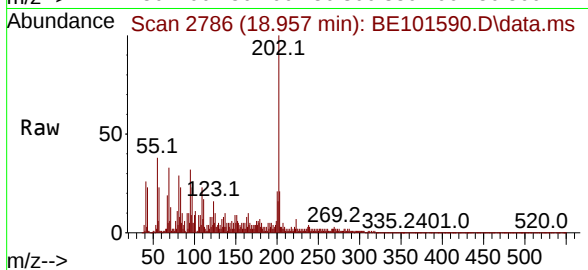
Tgt Ion:202 Resp: 13641
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 31.7
 203 21.2 0.0 37.8

Manual Integrations

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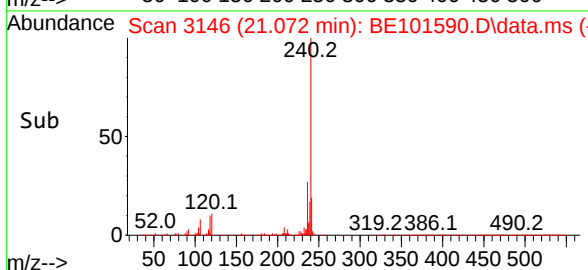
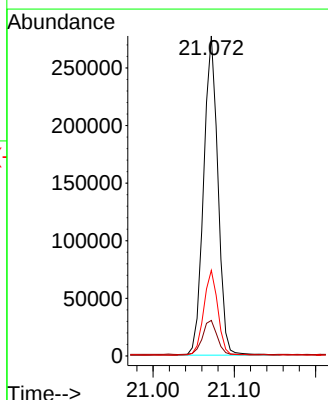
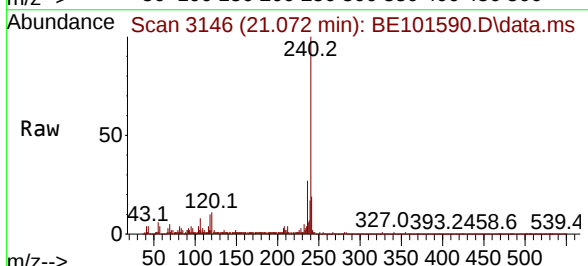
Reviewed By :Yogesh Patel 11/13/2024

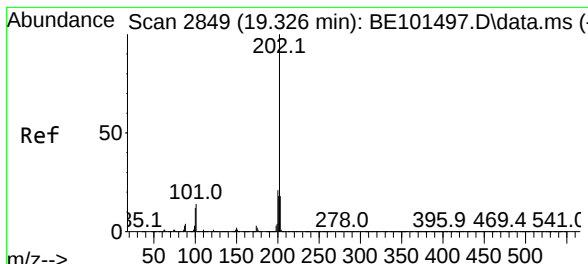
Supervised By :Jagrut Upadhyay 11/13/2024



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.072 min Scan# 3146
 Delta R.T. -0.005 min
 Lab File: BE101590.D
 Acq: 12 Nov 2024 23:58

Tgt Ion:240 Resp: 337697
 Ion Ratio Lower Upper
 240 100
 120 11.1 8.2 12.4
 236 26.8 21.4 32.2



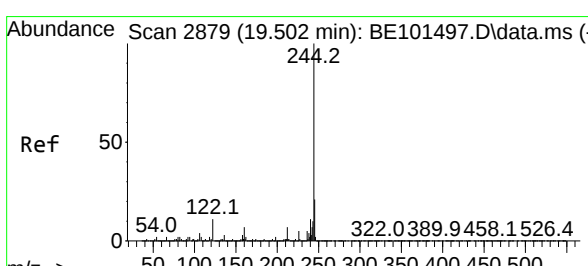
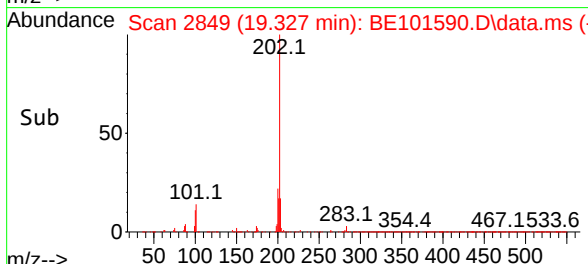
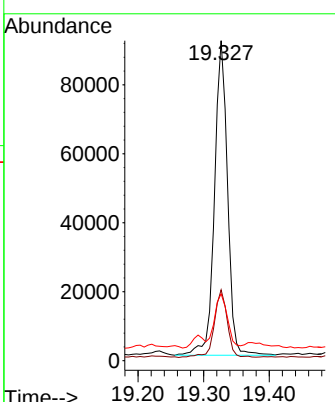
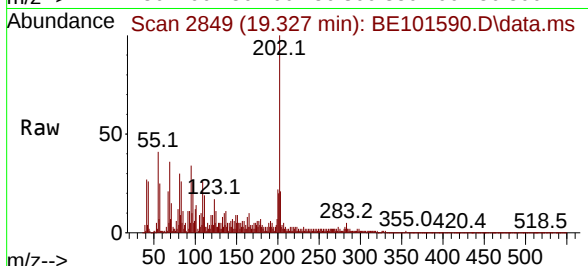


#78
 Pyrene
 Concen: 6.536 ng
 RT: 19.327 min Scan# 2849
 Delta R.T. 0.001 min
 Lab File: BE101590.D
 Acq: 12 Nov 2024 23:58

Instrument : BNA_E
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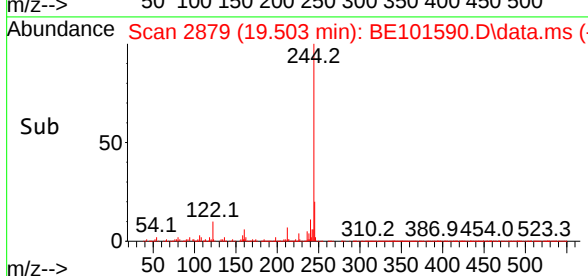
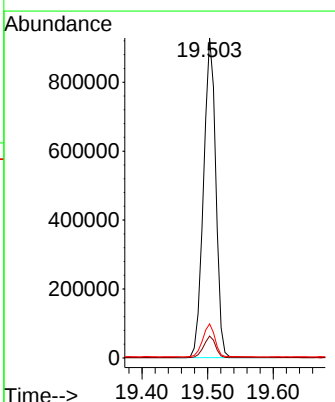
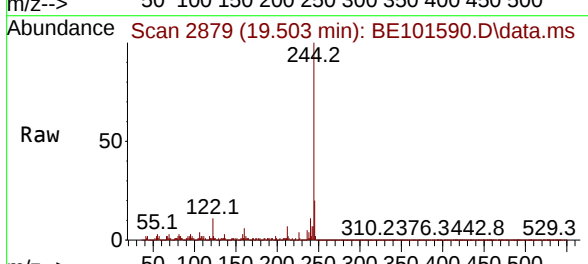
Tgt Ion:	202	Resp:	125579
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.2	25.8
203	20.9	14.2	21.4

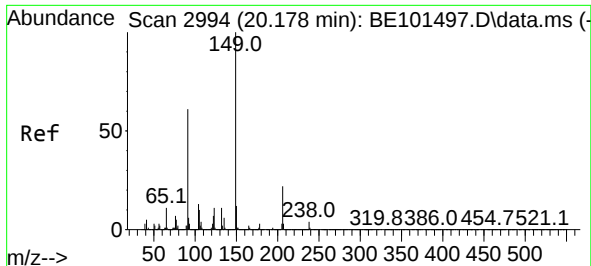
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 11/13/2024
 Supervised By :Jagrut Upadhyay 11/13/2024



#79
 Terphenyl-d14
 Concen: 79.299 ng
 RT: 19.503 min Scan# 2879
 Delta R.T. 0.001 min
 Lab File: BE101590.D
 Acq: 12 Nov 2024 23:58

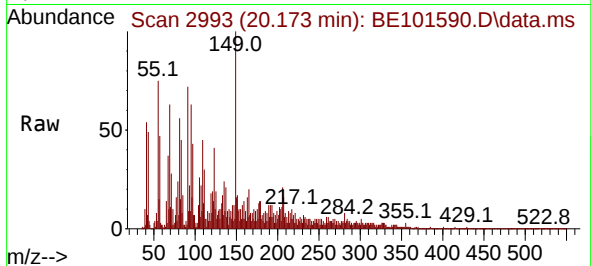
Tgt Ion:	244	Resp:	1209772
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.8	8.8
122	10.7	8.4	12.6





#80
Butylbenzylphthalate
Concen: 4.166 ng
RT: 20.173 min Scan# 2994
Delta R.T. -0.005 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

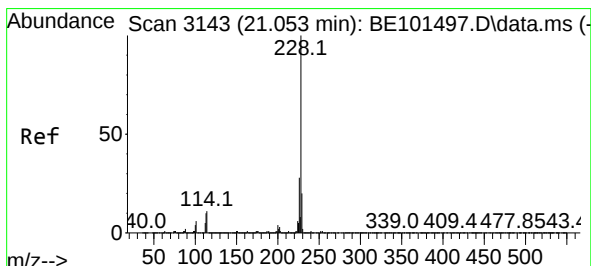
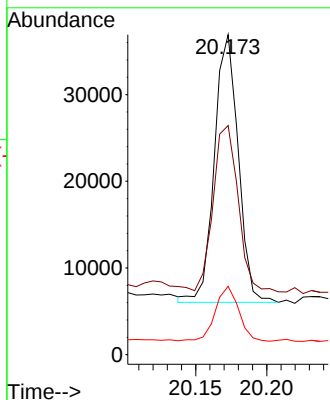
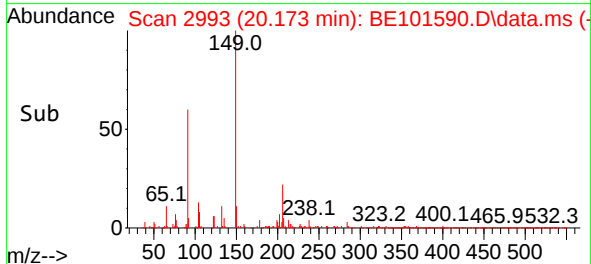
Instrument : BNA_E
ClientSampleId : LAW-23-00189



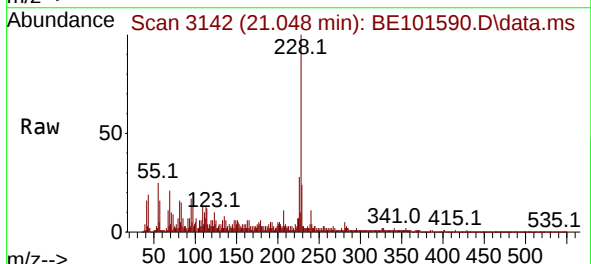
Tgt Ion:149 Resp: 35974
Ion Ratio Lower Upper
149 100
91 71.6 49.2 73.8
206 21.4 17.4 26.2

Manual Integrations
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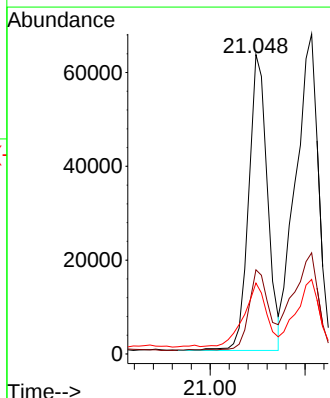
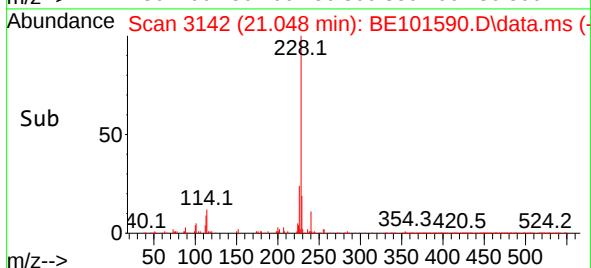
Reviewed By :Yogesh Patel 11/13/2024
Supervised By :Jagrut Upadhyay 11/13/2024

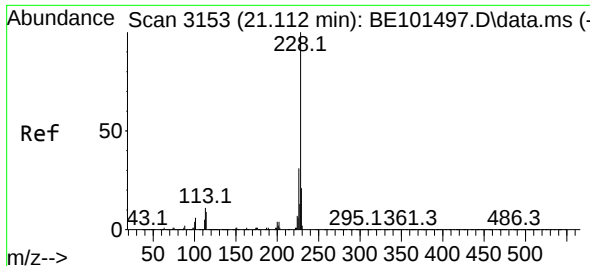


#81
Benzo(a)anthracene
Concen: 4.317 ng
RT: 21.048 min Scan# 3142
Delta R.T. -0.005 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58



Tgt Ion:228 Resp: 86573
Ion Ratio Lower Upper
228 100
226 28.1 22.4 33.6
229 23.7 16.1 24.1





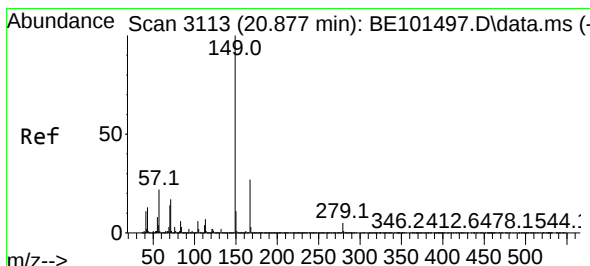
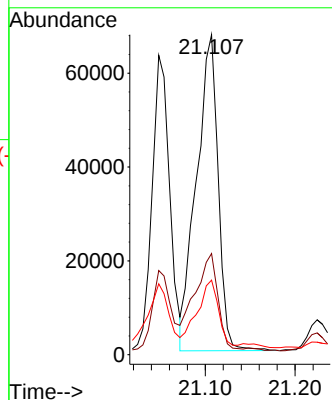
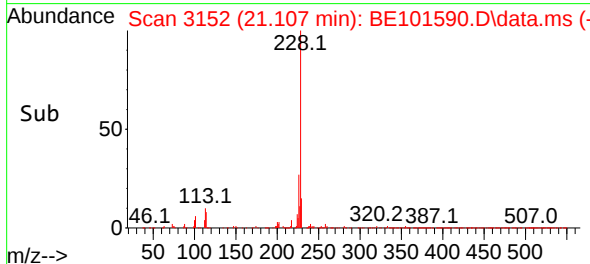
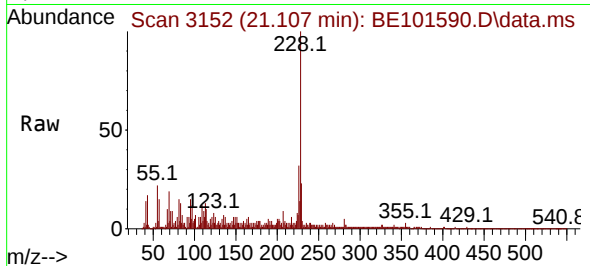
#83
Chrysene
Concen: 5.925 ng
RT: 21.107 min Scan# 3152
Delta R.T. -0.005 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

Instrument : BNA_E
ClientSampleId : LAW-23-00189

Tgt Ion:228 Resp: 112940
Ion Ratio Lower Upper
228 100
226 31.6 25.1 37.7
229 23.3 16.4 24.6

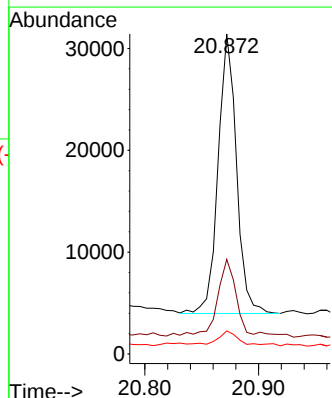
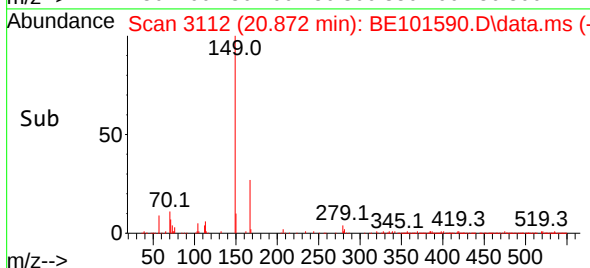
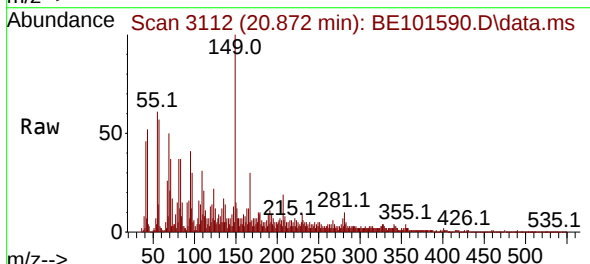
Manual Integrations
APPROVED

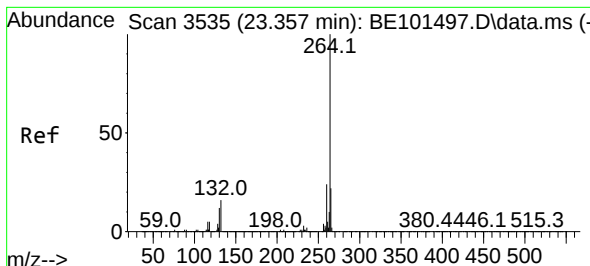
Reviewed By :Yogesh Patel 11/13/2024
Supervised By :Jagrut Upadhyay 11/13/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.365 ng
RT: 20.872 min Scan# 3112
Delta R.T. -0.005 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

Tgt Ion:149 Resp: 30875
Ion Ratio Lower Upper
149 100
167 29.6 21.8 32.6
279 7.2 3.8 5.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.357 min Scan# 30

Delta R.T. 0.001 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

Instrument :

BNA_E

ClientSampleId :

LAW-23-00189

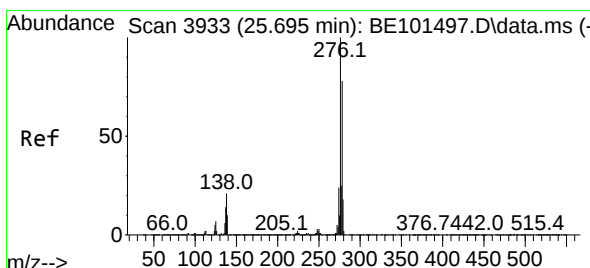
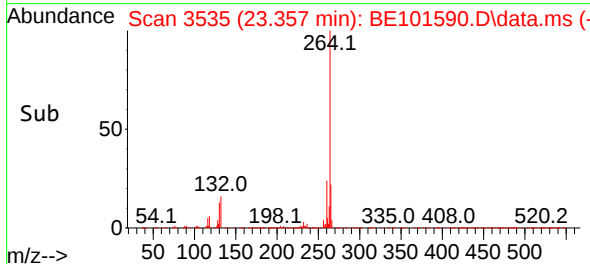
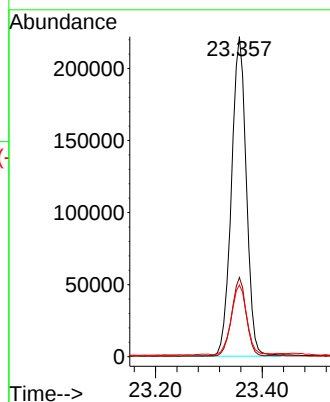
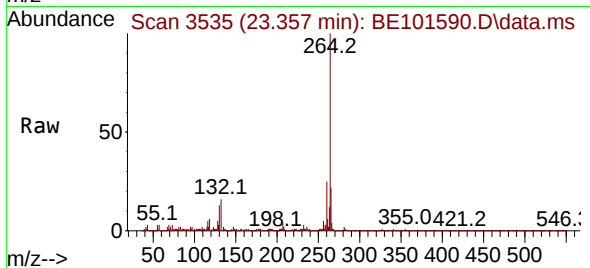
Tgt Ion:	264	Resp:	430460
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.4	29.2
265	22.4	17.4	26.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/13/2024

Supervised By :Jagrut Upadhyay 11/13/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.762 ng

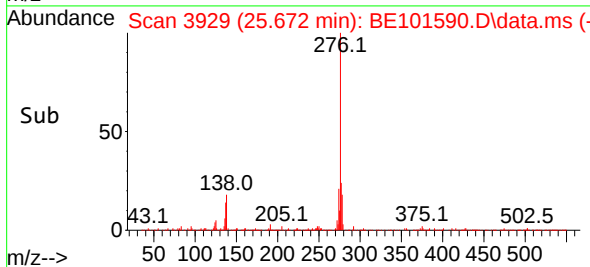
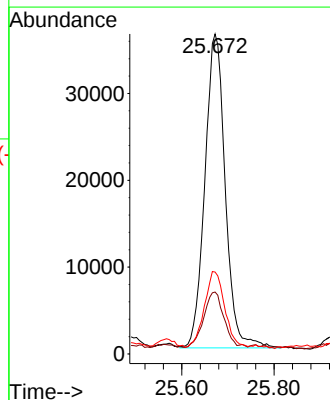
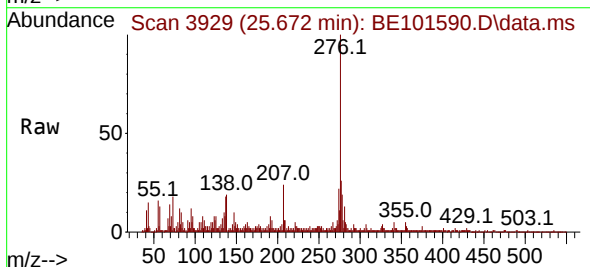
RT: 25.672 min Scan# 3929

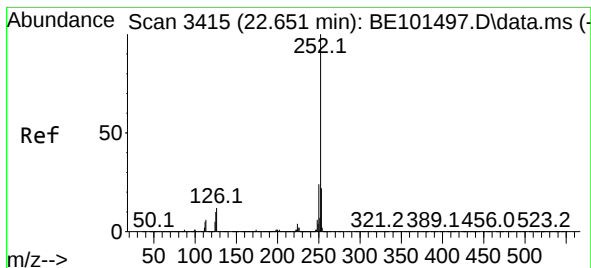
Delta R.T. -0.023 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

Tgt Ion:	276	Resp:	111296
Ion Ratio	Lower	Upper	
276	100		
138	17.4	17.0	25.6
277	23.8	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 7.794 ng m

RT: 22.646 min Scan# 3415

Delta R.T. -0.005 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

Instrument :

BNA_E

ClientSampleId :

LAW-23-00189

Tgt Ion:252 Resp: 18407

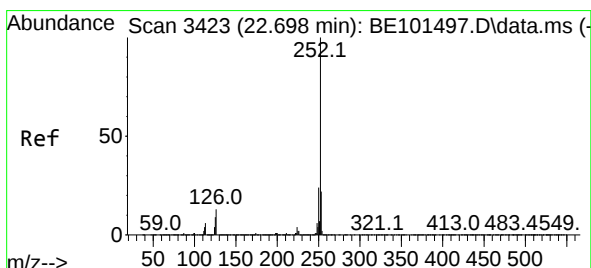
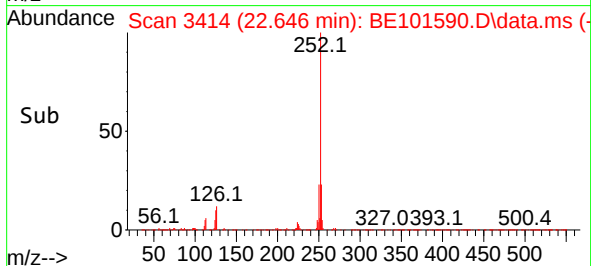
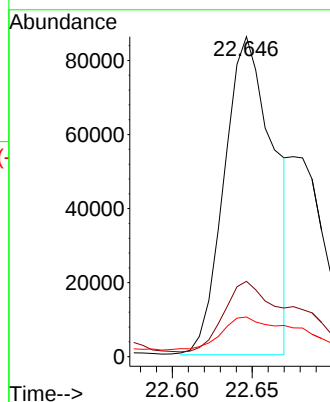
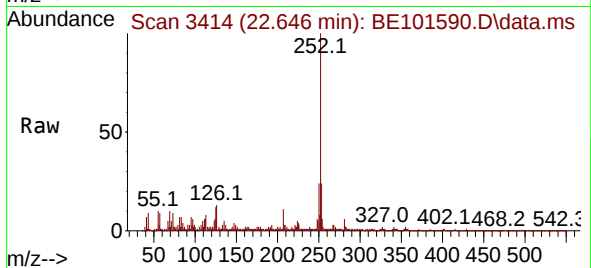
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	12.4	7.8	11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/13/2024

Supervised By :Jagrut Upadhyay 11/13/2024



#89

Benzo(k)fluoranthene

Concen: 3.692 ng m

RT: 22.676 min Scan# 3419

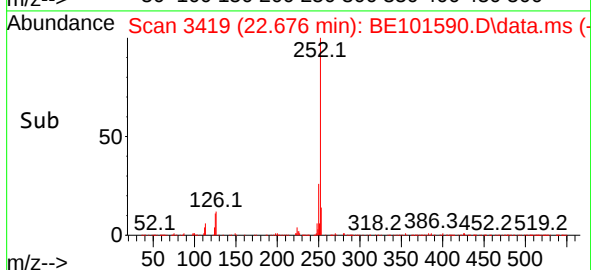
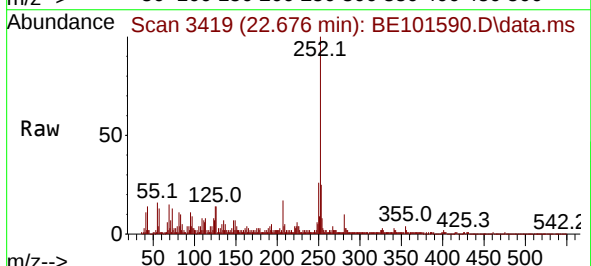
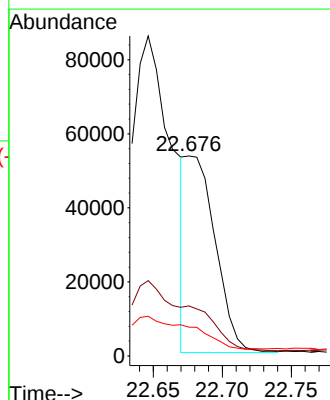
Delta R.T. -0.023 min

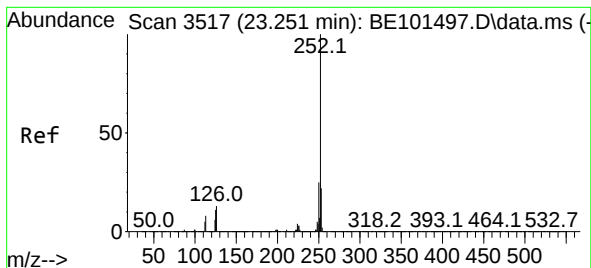
Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

Tgt Ion:252 Resp: 79145

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	14.4	7.7	11.5





#90

Benzo(a)pyrene

Concen: 5.628 ng

RT: 23.246 min Scan# 31

Delta R.T. -0.005 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

Instrument :

BNA_E

ClientSampleId :

LAW-23-00189

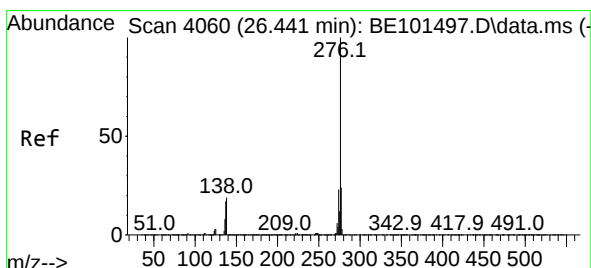
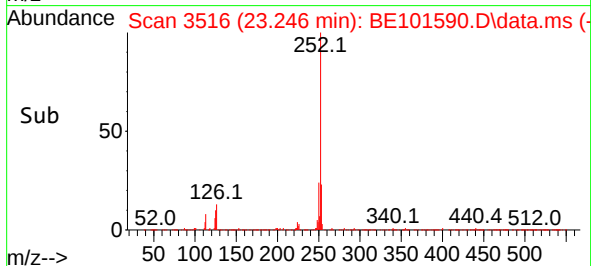
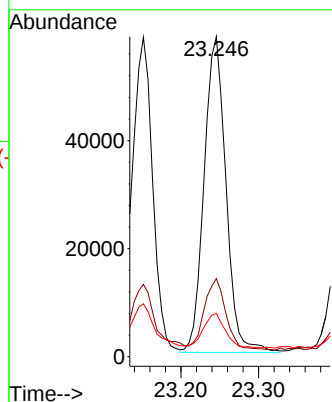
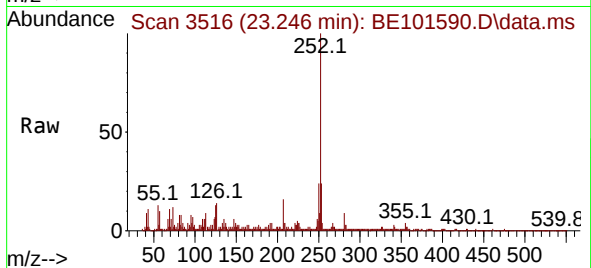
Tgt Ion:	252	Resp:	11474
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.6	26.4
125	13.5	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/13/2024

Supervised By :Jagrut Upadhyay 11/13/2024



#92

Benzo(g,h,i)perylene

Concen: 4.502 ng

RT: 26.424 min Scan# 4057

Delta R.T. -0.017 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

Tgt Ion:	276	Resp:	112676
Ion Ratio	Lower	Upper	
276	100		
277	26.1	19.5	29.3
138	20.9	15.3	22.9

