

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
 Data File : BP024335.D
 Acq On : 17 Apr 2025 20:46
 Operator : RC/JU
 Sample : Q1825-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-10

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/18/2025
 Supervised By :Jagrut Upadhyay 04/18/2025

Quant Time: Apr 17 23:50:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 15 04:48:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	329049	20.000	ng	0.00
21) Naphthalene-d8	10.499	136	1306512	20.000	ng	0.00
39) Acenaphthene-d10	14.357	164	771195	20.000	ng	-0.01
64) Phenanthrene-d10	17.175	188	1316930	20.000	ng	0.00
76) Chrysene-d12	21.621	240	1359556	20.000	ng	0.00
86) Perylene-d12	24.986	264	1677277	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	1423314	71.521	ng	0.00
7) Phenol-d6	6.916	99	1852803	67.994	ng	0.00
23) Nitrobenzene-d5	8.869	82	1117494	48.772	ng	-0.01
42) 2,4,6-Tribromophenol	15.875	330	771631	72.319	ng	-0.02
45) 2-Fluorobiphenyl	12.963	172	2410595	47.859	ng	-0.02
79) Terphenyl-d14	19.904	244	3123483	46.308	ng	-0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.163	142	135316	2.835	ng	98
38) 1-Methylnaphthalene	12.381	142	103760	2.222	ng	# 97
52) Acenaphthene	14.428	154	106132	2.510	ng	96
58) Fluorene	15.428	166	160989	3.009	ng	# 93
71) Phenanthrene	17.216	178	2604144	36.248	ng	99
72) Anthracene	17.304	178	592718m	8.560	ng	
73) Carbazole	17.592	167	139811	2.067	ng	# 60
74) Di-n-butylphthalate	18.180	149	318931	3.784	ng	# 89
75) Fluoranthene	19.298	202	3339475	39.084	ng	96
78) Pyrene	19.675	202	3084279	35.697	ng	97
80) Butylbenzylphthalate	20.627	149	1106107	29.889	ng	94
81) Benzo(a)anthracene	21.604	228	1560150	18.462	ng	95
83) Chrysene	21.674	228	1457711m	18.005	ng	
84) Bis(2-ethylhexyl)phtha...	21.545	149	17912730	330.177	ng	# 86
87) Indeno(1,2,3-cd)pyrene	28.786	276	1060186	9.105	ng	97
88) Benzo(b)fluoranthene	23.915	252	1905325	18.951	ng	# 88
89) Benzo(k)fluoranthene	23.980	252	774990m	7.980	ng	
90) Benzo(a)pyrene	24.827	252	1426708	16.451	ng	# 91
91) Dibenzo(a,h)anthracene	28.839	278	257244	2.662	ng	# 73
92) Benzo(g,h,i)perylene	29.968	276	1024906	10.418	ng	97

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

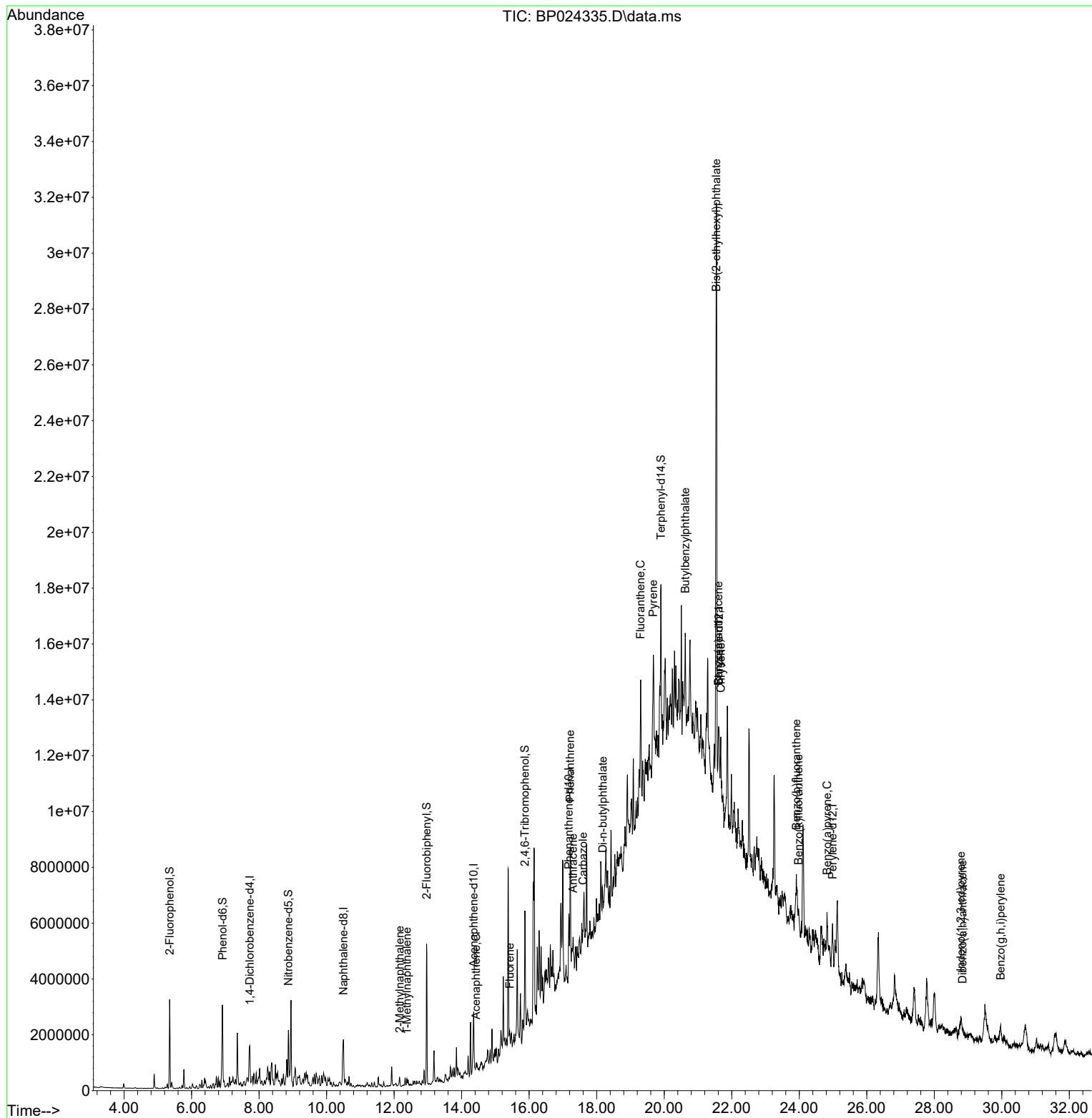
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024335.D
Acq On : 17 Apr 2025 20:46
Operator : RC/JU
Sample : Q1825-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

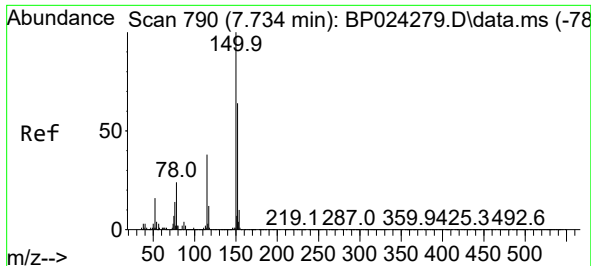
Instrument :
BNA_P
ClientSampleId :
TP-10

Quant Time: Apr 17 23:50:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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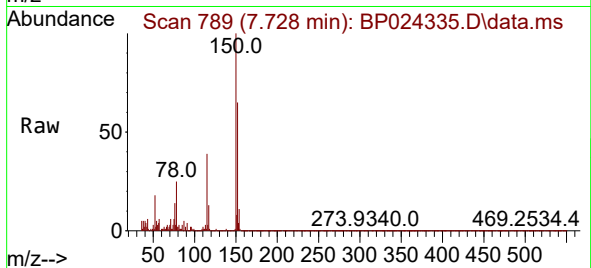
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 790
Delta R.T. 0.000 min
Lab File: BP024335.D
Acq: 17 Apr 2025 20:46

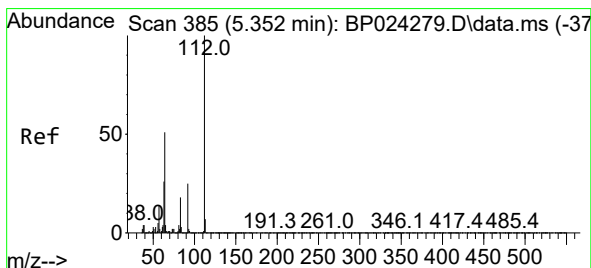
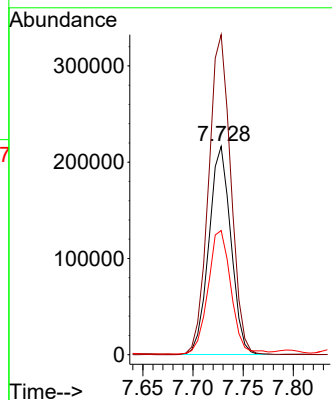
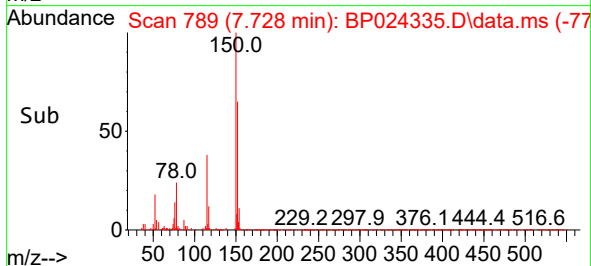
Instrument :
BNA_P
ClientSampleId :
TP-10



Tgt Ion:152 Resp: 329049
Ion Ratio Lower Upper
152 100
150 153.6 124.9 187.3
115 59.6 47.7 71.5

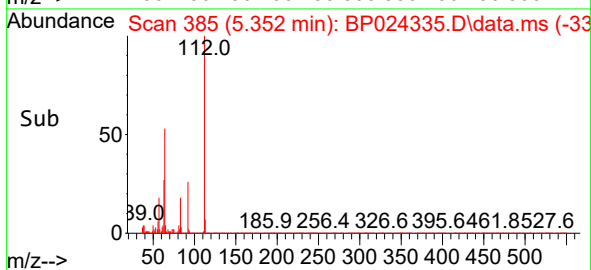
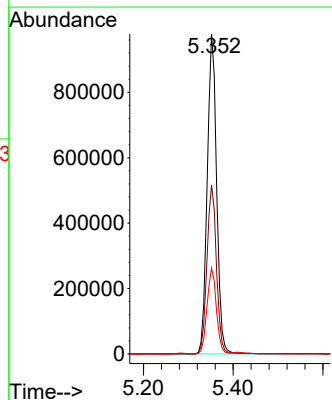
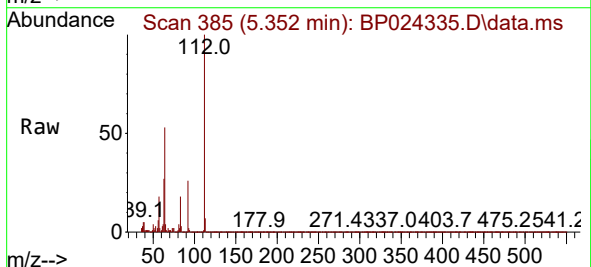
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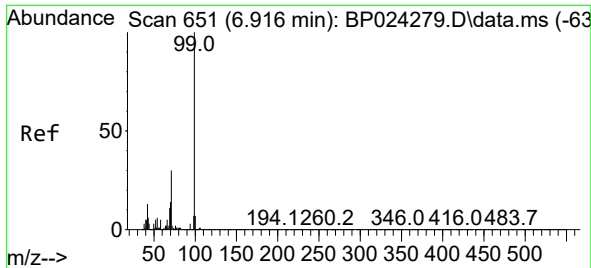
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#5
2-Fluorophenol
Concen: 71.521 ng
RT: 5.352 min Scan# 385
Delta R.T. 0.000 min
Lab File: BP024335.D
Acq: 17 Apr 2025 20:46

Tgt Ion:112 Resp: 1423314
Ion Ratio Lower Upper
112 100
64 52.8 41.1 61.7
63 26.9 20.6 30.8





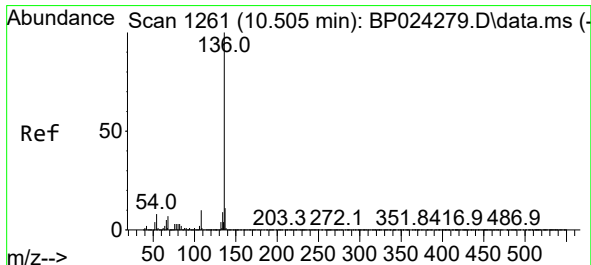
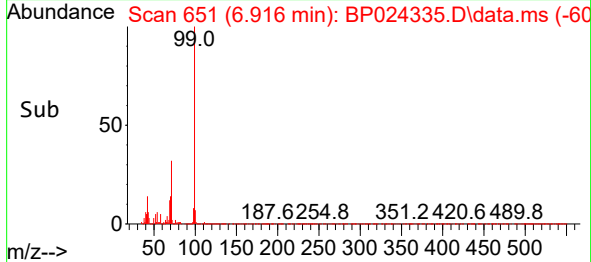
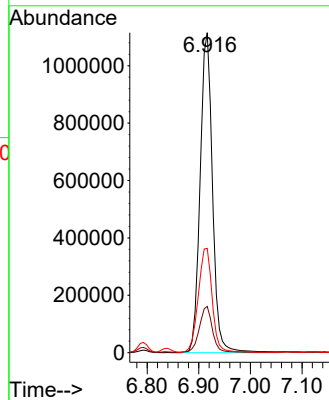
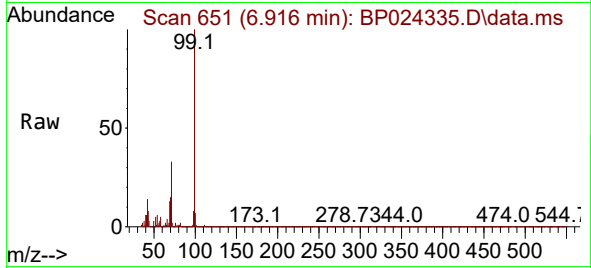
#7
Phenol-d6
Concen: 67.994 ng
RT: 6.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP024335.D
Acq: 17 Apr 2025 20:46

Instrument :
BNA_P
ClientSampleId :
TP-10

Tgt Ion: 99 Resp: 185280
Ion Ratio Lower Upper
99 100
42 14.5 10.6 16.0
71 32.6 23.7 35.5

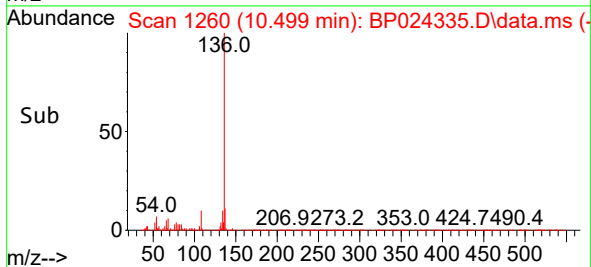
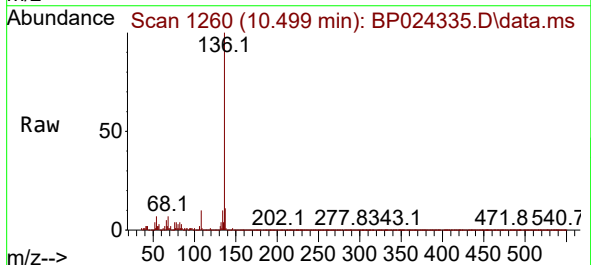
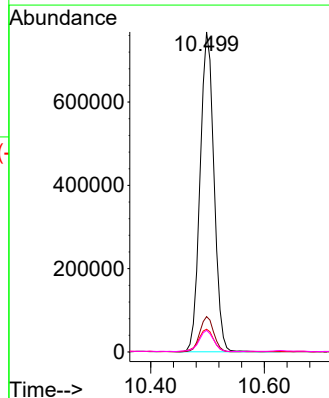
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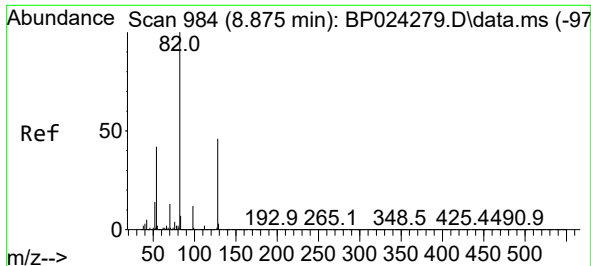
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.499 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BP024335.D
Acq: 17 Apr 2025 20:46

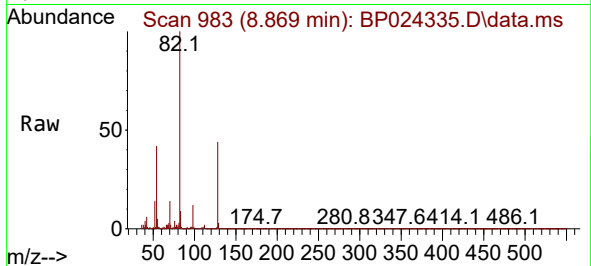
Tgt Ion:136 Resp: 1306512
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 7.1 6.0 9.0
68 6.7 5.5 8.3





#23
Nitrobenzene-d5
Concen: 48.772 ng
RT: 8.869 min Scan# 984
Delta R.T. -0.012 min
Lab File: BP024335.D
Acq: 17 Apr 2025 20:46

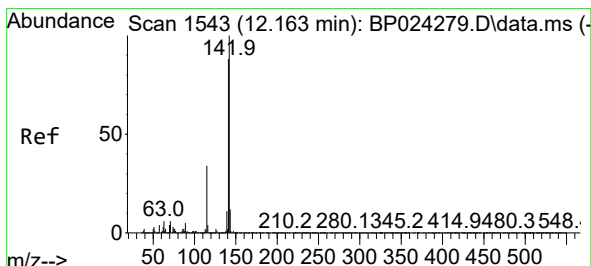
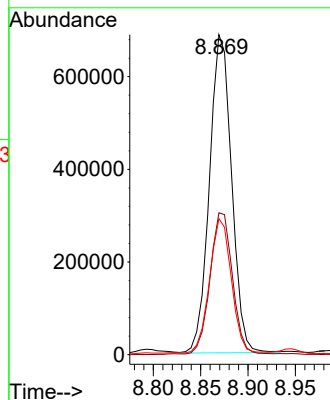
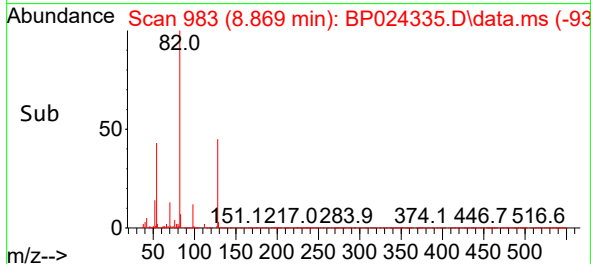
Instrument :
BNA_P
ClientSampleId :
TP-10



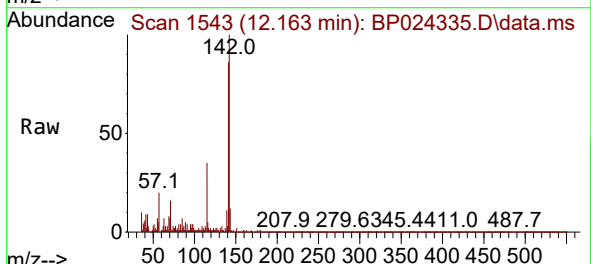
Tgt Ion: 82 Resp: 1117494
Ion Ratio Lower Upper
82 100
128 44.4 36.5 54.7
54 42.5 33.4 50.2

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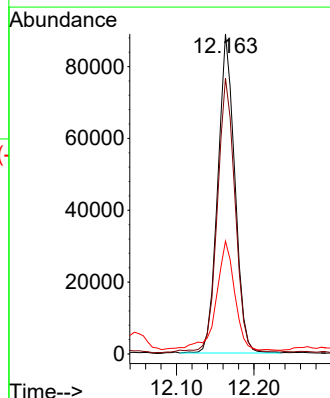
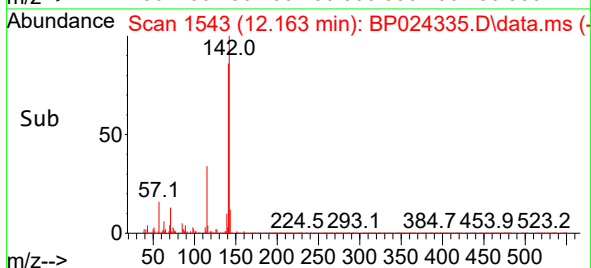
Reviewed By :Rahul Chavli 04/18/2025
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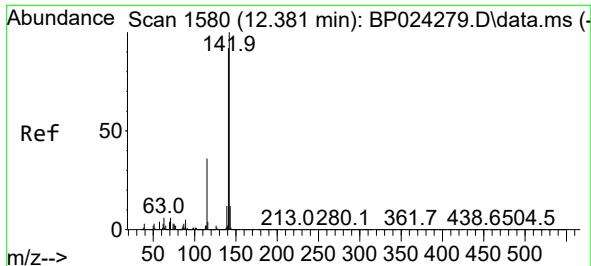


#37
2-Methylnaphthalene
Concen: 2.835 ng
RT: 12.163 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BP024335.D
Acq: 17 Apr 2025 20:46



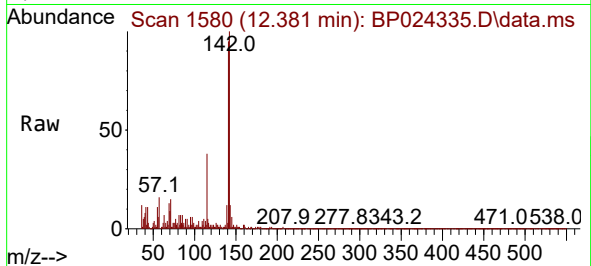
Tgt Ion:142 Resp: 135316
Ion Ratio Lower Upper
142 100
141 86.2 70.3 105.5
115 35.2 26.9 40.3





#38
1-Methylnaphthalene
Concen: 2.222 ng
RT: 12.381 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BP024335.D
Acq: 17 Apr 2025 20:46

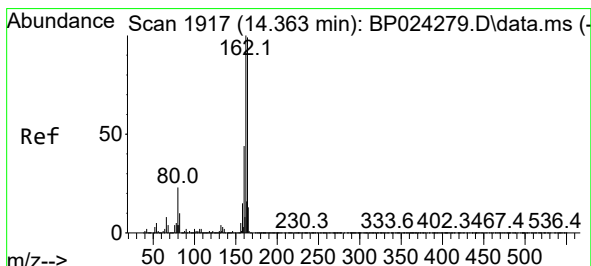
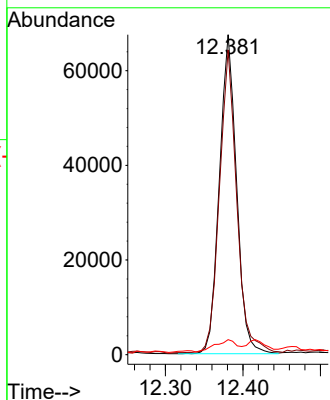
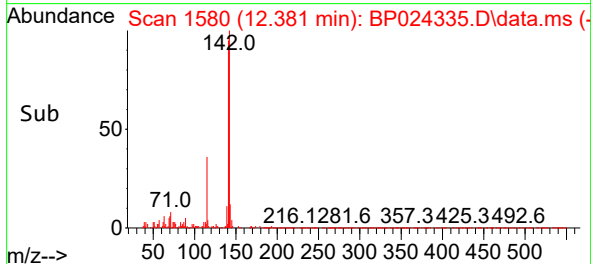
Instrument :
BNA_P
ClientSampleId :
TP-10



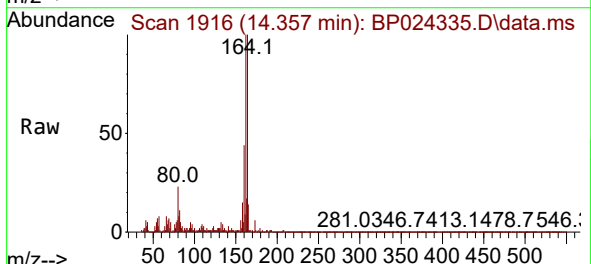
Tgt Ion:142 Resp: 103760
Ion Ratio Lower Upper
142 100
141 95.3 73.6 110.4
116 4.7 3.0 4.6

Manual Integrations
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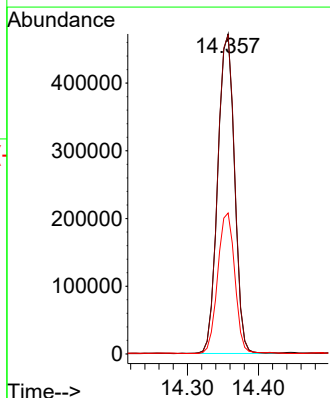
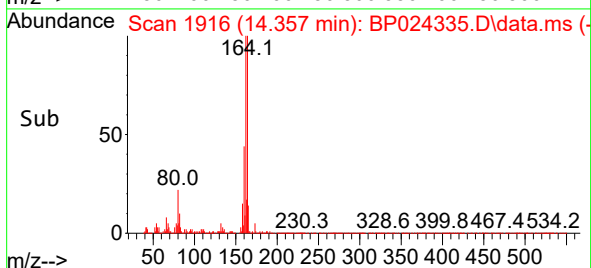
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

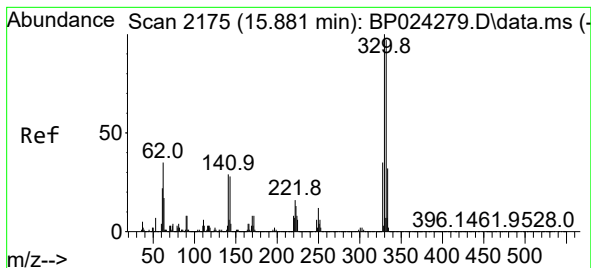


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.012 min
Lab File: BP024335.D
Acq: 17 Apr 2025 20:46



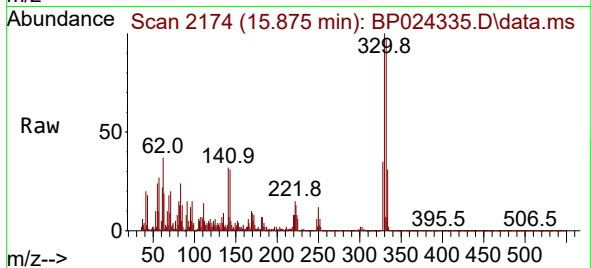
Tgt Ion:164 Resp: 771195
Ion Ratio Lower Upper
164 100
162 99.7 80.6 120.8
160 44.0 35.3 52.9





#42
2,4,6-Tribromophenol
Concen: 72.319 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.018 min
Lab File: BP024335.D
Acq: 17 Apr 2025 20:46

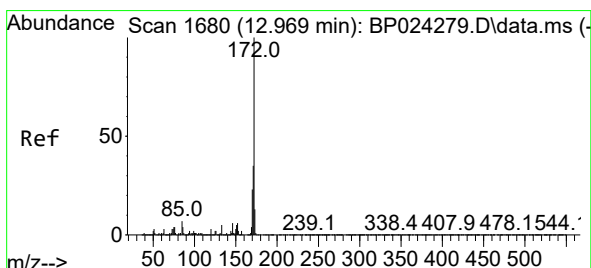
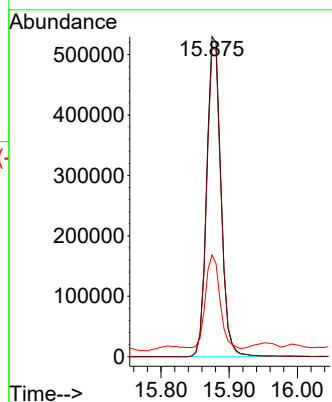
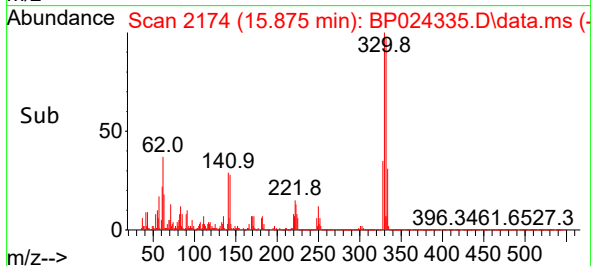
Instrument :
BNA_P
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TP-10



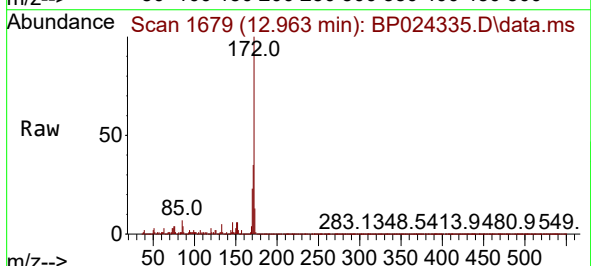
Tgt Ion:330 Resp: 771633
Ion Ratio Lower Upper
330 100
332 97.1 77.1 115.7
141 29.5 24.7 37.1

Manual Integrations
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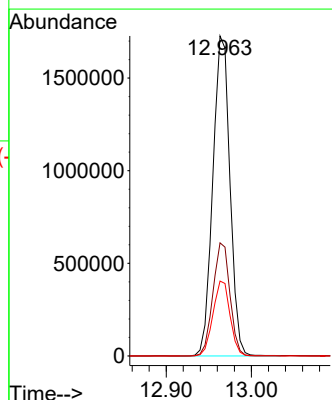
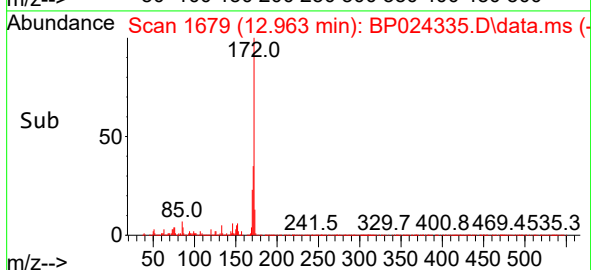
Reviewed By :Rahul Chavli 04/18/2025
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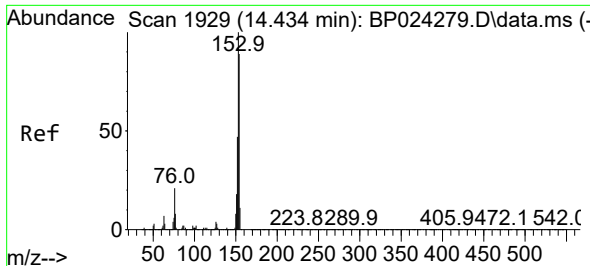


#45
2-Fluorobiphenyl
Concen: 47.859 ng
RT: 12.963 min Scan# 1679
Delta R.T. -0.018 min
Lab File: BP024335.D
Acq: 17 Apr 2025 20:46



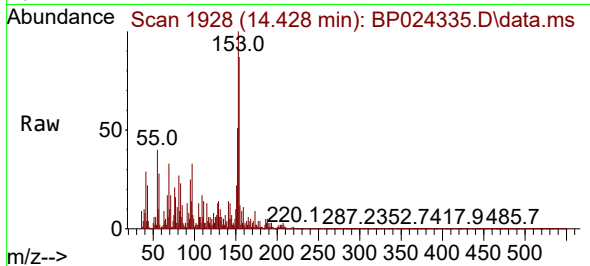
Tgt Ion:172 Resp: 2410595
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 23.4 18.6 27.8





#52
Acenaphthene
Concen: 2.510 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.012 min
Lab File: BP024335.D
Acq: 17 Apr 2025 20:46

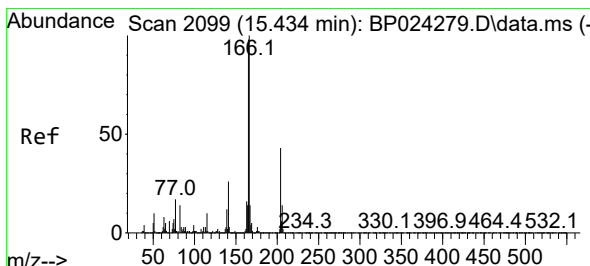
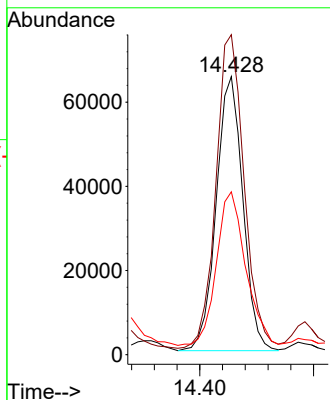
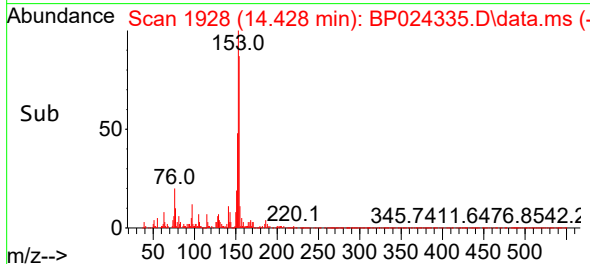
Instrument :
BNA_P
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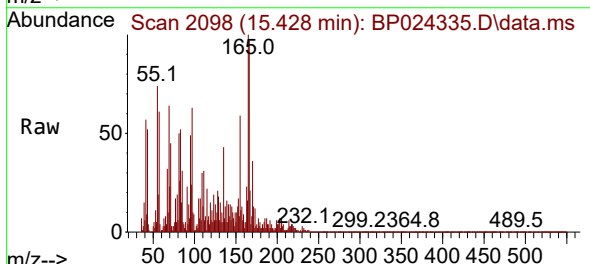
Tgt Ion:154 Resp: 10613
Ion Ratio Lower Upper
154 100
153 115.1 89.8 134.6
152 58.6 42.6 63.8

Manual Integrations
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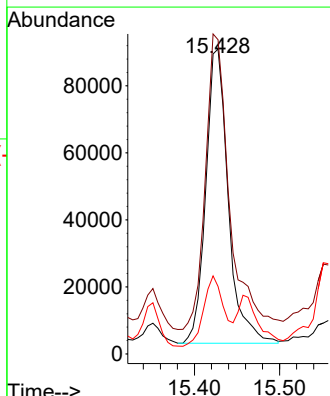
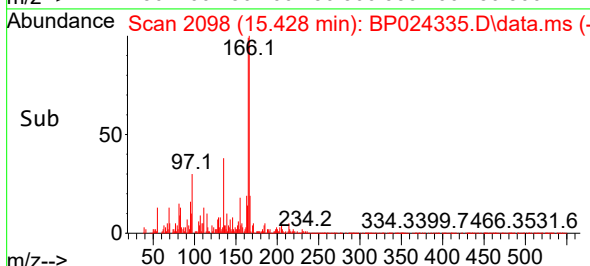
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025

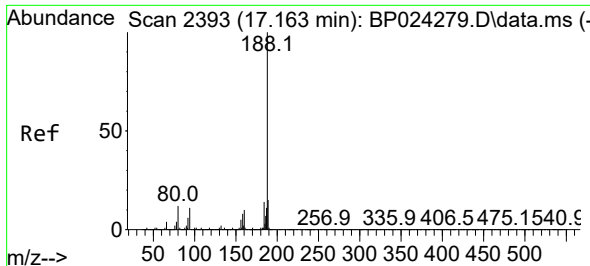


#58
Fluorene
Concen: 3.009 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.012 min
Lab File: BP024335.D
Acq: 17 Apr 2025 20:46



Tgt Ion:166 Resp: 160989
Ion Ratio Lower Upper
166 100
165 103.1 78.1 117.1
167 22.1 10.9 16.3





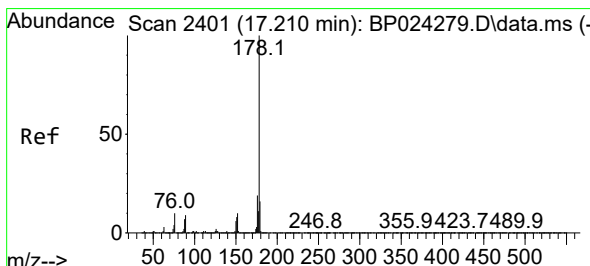
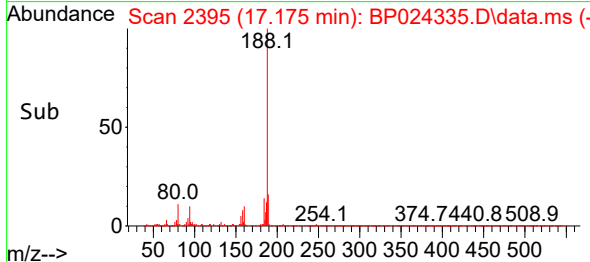
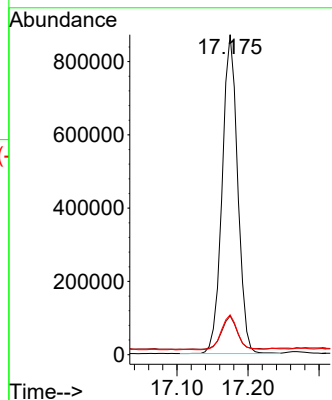
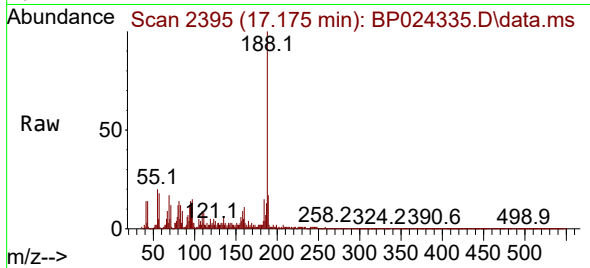
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024335.D
Acq: 17 Apr 2025 20:46

Instrument :
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ClientSampleId :
TP-10

Tgt Ion:188 Resp: 1316930
Ion Ratio Lower Upper
188 100
94 12.1 8.6 13.0
80 12.5 9.8 14.6

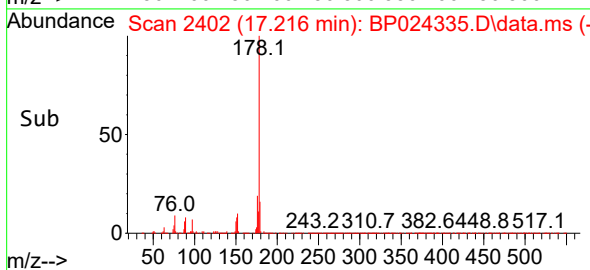
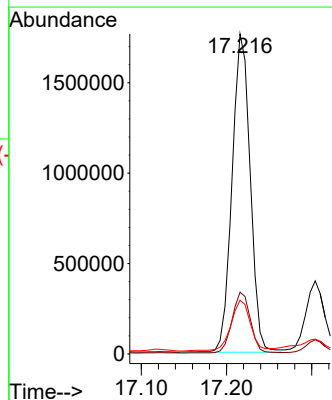
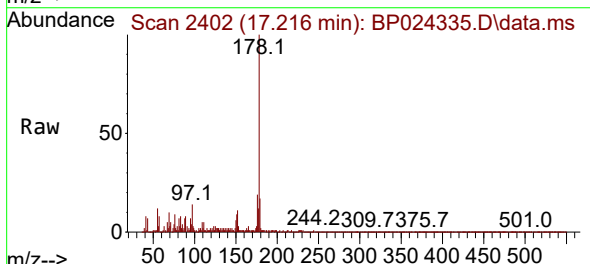
Manual Integrations
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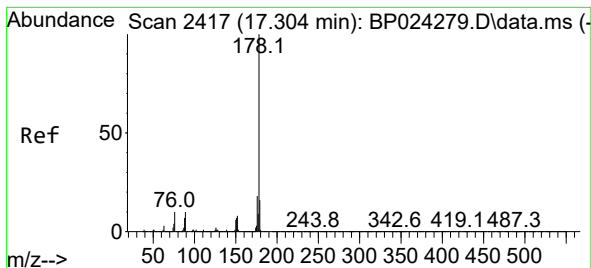
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#71
Phenanthrene
Concen: 36.248 ng
RT: 17.216 min Scan# 2402
Delta R.T. -0.012 min
Lab File: BP024335.D
Acq: 17 Apr 2025 20:46

Tgt Ion:178 Resp: 2604144
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 16.8 12.5 18.7





#72

Anthracene

Concen: 8.560 ng m

RT: 17.304 min Scan# 2417

Delta R.T. -0.012 min

Lab File: BP024335.D

Acq: 17 Apr 2025 20:46

Instrument :

BNA_P

ClientSampleId :

TP-10

Tgt Ion:178 Resp: 592718

Ion Ratio Lower Upper

178 100

176 19.3 14.7 22.1

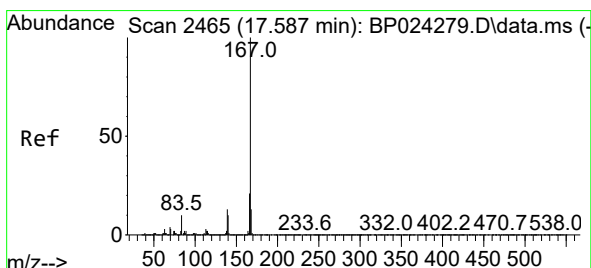
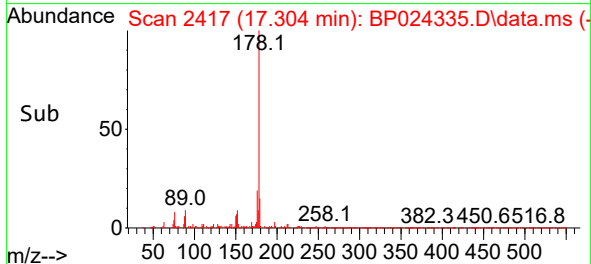
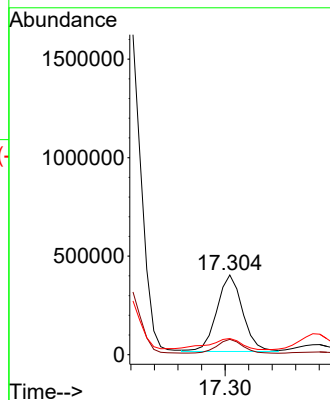
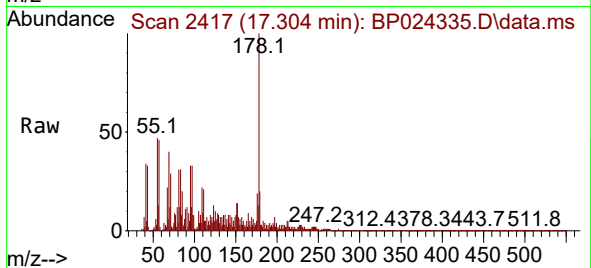
179 20.4 12.4 18.6

Manual Integrations

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Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#73

Carbazole

Concen: 2.067 ng

RT: 17.592 min Scan# 2466

Delta R.T. -0.012 min

Lab File: BP024335.D

Acq: 17 Apr 2025 20:46

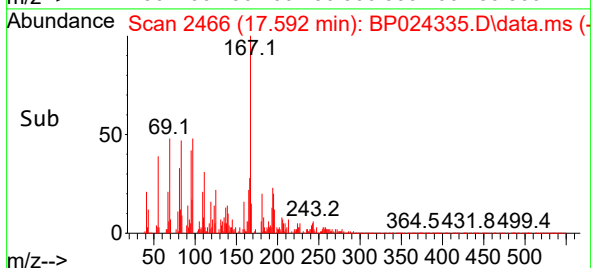
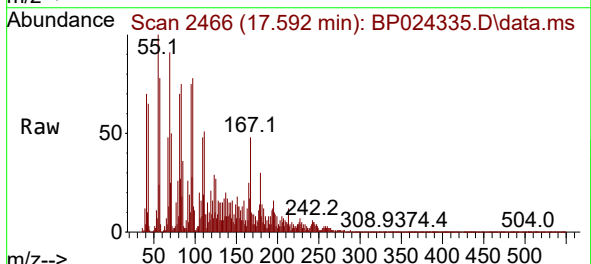
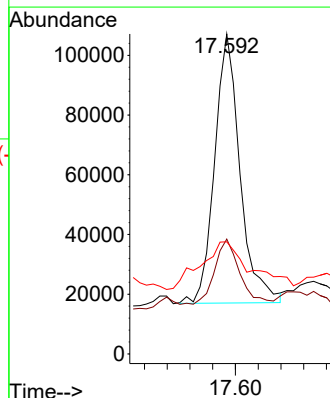
Tgt Ion:167 Resp: 139811

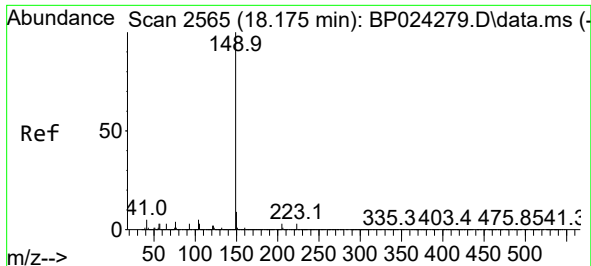
Ion Ratio Lower Upper

167 100

166 35.9 17.1 25.7#

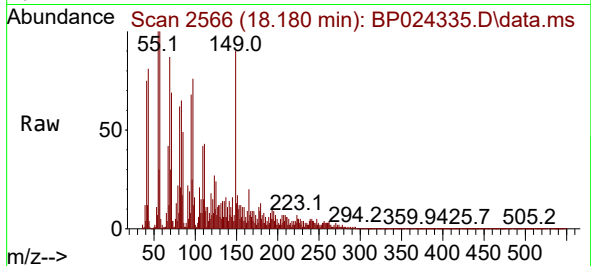
139 35.1 10.6 16.0#





#74
Di-n-butylphthalate
Concen: 3.784 ng
RT: 18.180 min Scan# 2566
Delta R.T. -0.012 min
Lab File: BP024335.D
Acq: 17 Apr 2025 20:46

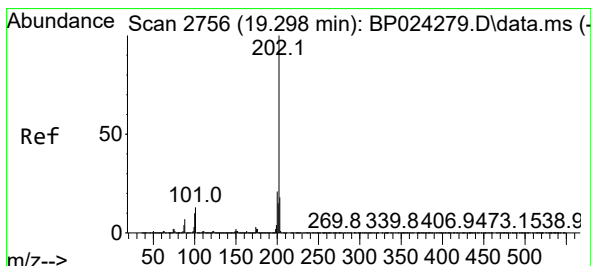
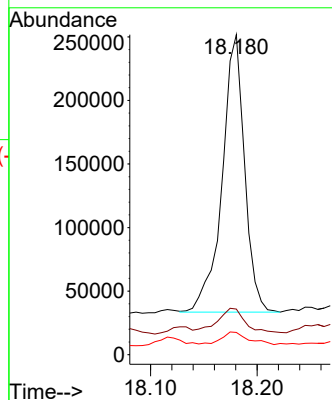
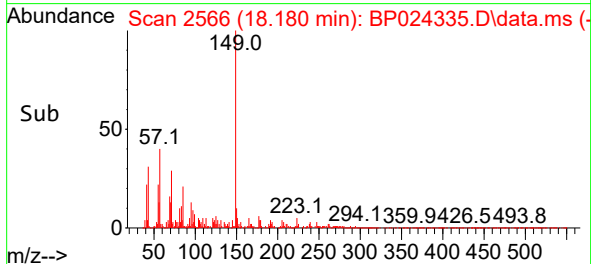
Instrument :
BNA_P
ClientSampleId :
TP-10



Tgt Ion:149 Resp: 31893
Ion Ratio Lower Upper
149 100
150 14.3 7.4 11.2
104 7.0 3.9 5.9

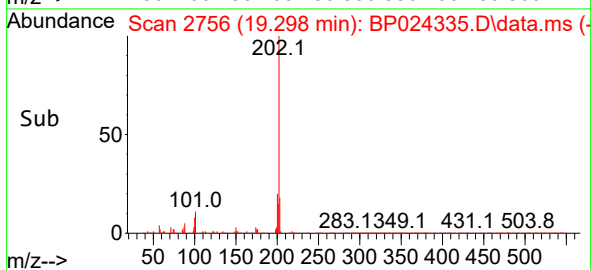
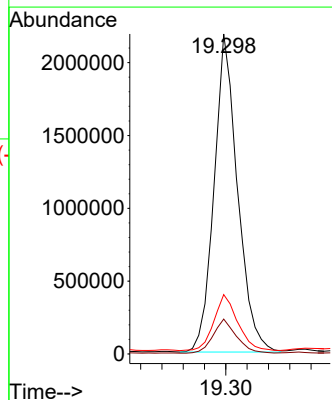
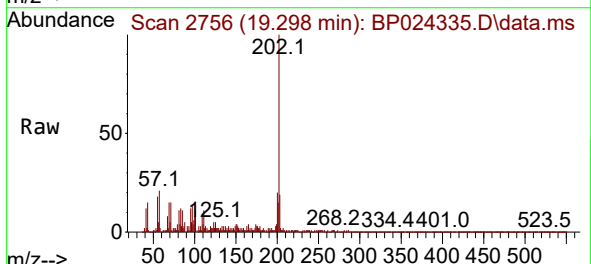
Manual Integrations
APPROVED

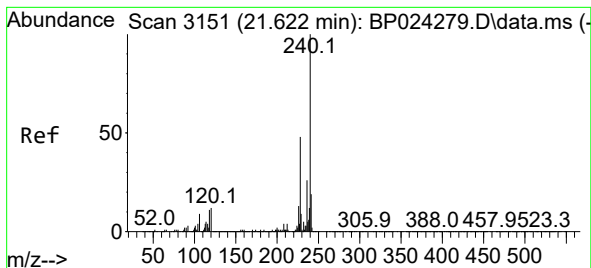
Reviewed By :Rahul Chavli 04/18/2025
Supervised By :Jagrut Upadhyay 04/18/2025



#75
Fluoranthene
Concen: 39.084 ng
RT: 19.298 min Scan# 2756
Delta R.T. -0.018 min
Lab File: BP024335.D
Acq: 17 Apr 2025 20:46

Tgt Ion:202 Resp: 3339475
Ion Ratio Lower Upper
202 100
101 10.9 0.0 33.2
203 18.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.621 min Scan# 3151

Delta R.T. 0.000 min

Lab File: BP024335.D

Acq: 17 Apr 2025 20:46

Instrument :

BNA_P

ClientSampleId :

TP-10

Tgt Ion:240 Resp: 1359550

Ion Ratio Lower Upper

240 100

120 14.6 9.8 14.8

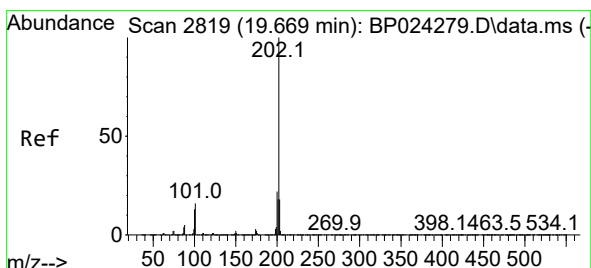
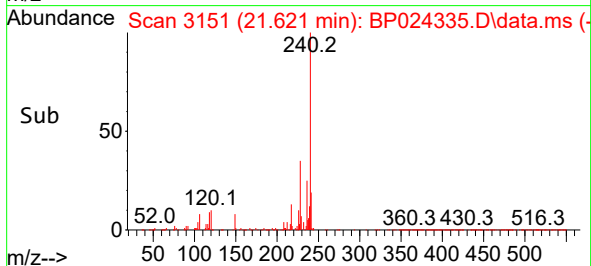
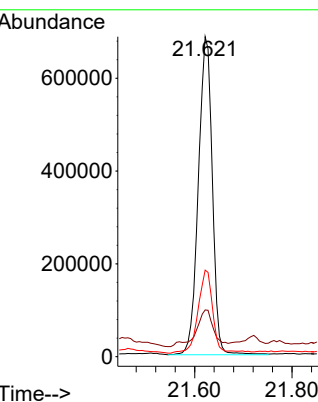
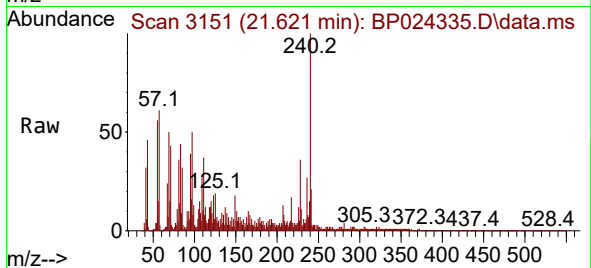
236 27.0 20.9 31.3

Manual Integrations

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Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#78

Pyrene

Concen: 35.697 ng

RT: 19.675 min Scan# 2820

Delta R.T. -0.012 min

Lab File: BP024335.D

Acq: 17 Apr 2025 20:46

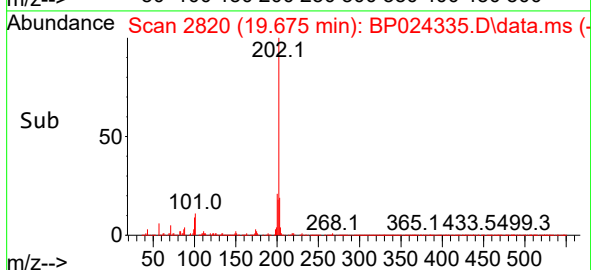
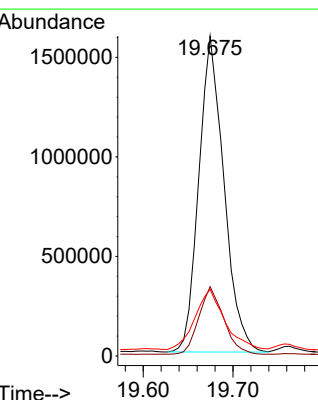
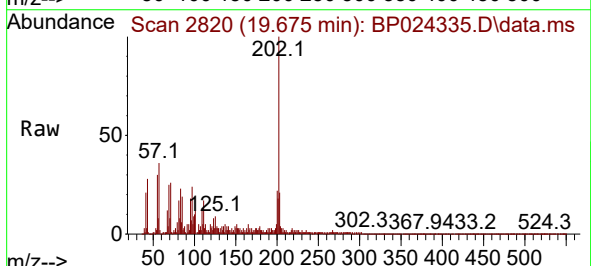
Tgt Ion:202 Resp: 3084279

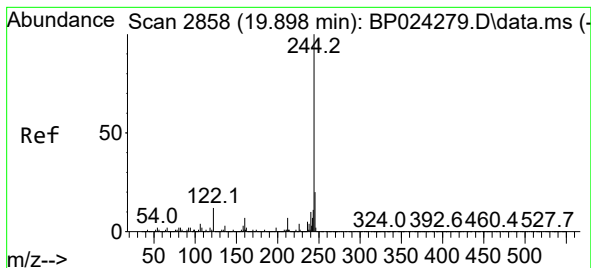
Ion Ratio Lower Upper

202 100

200 21.6 17.2 25.8

203 20.9 14.4 21.6





#79

Terphenyl-d14

Concen: 46.308 ng

RT: 19.904 min Scan# 2859

Delta R.T. -0.018 min

Lab File: BP024335.D

Acq: 17 Apr 2025 20:46

Instrument :

BNA_P

ClientSampleId :

TP-10

Tgt Ion:244 Resp: 312348

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

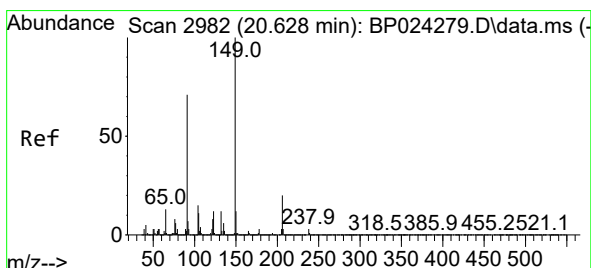
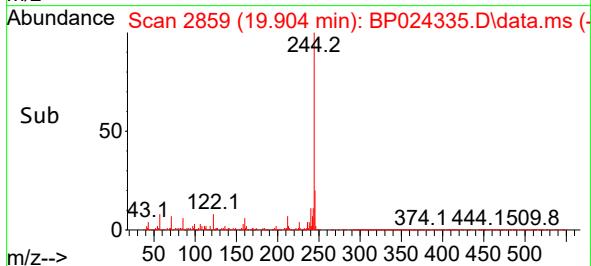
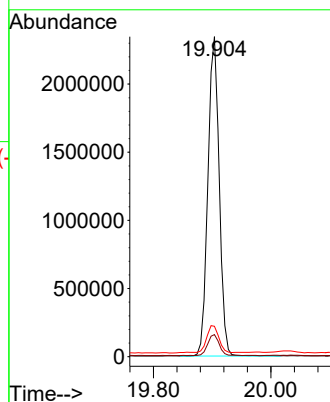
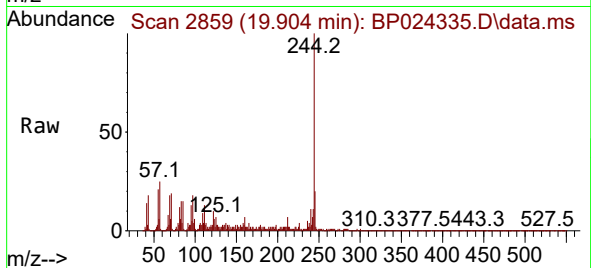
122 9.5 9.4 14.0

Manual Integrations

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Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#80

Butylbenzylphthalate

Concen: 29.889 ng

RT: 20.627 min Scan# 2982

Delta R.T. -0.018 min

Lab File: BP024335.D

Acq: 17 Apr 2025 20:46

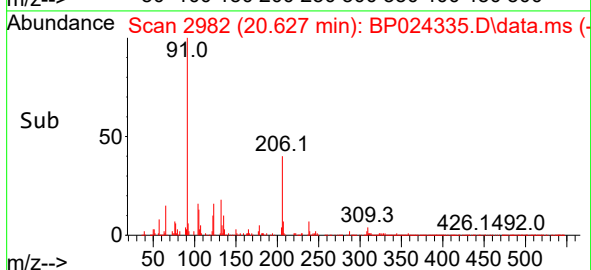
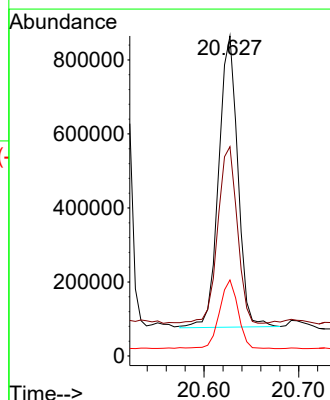
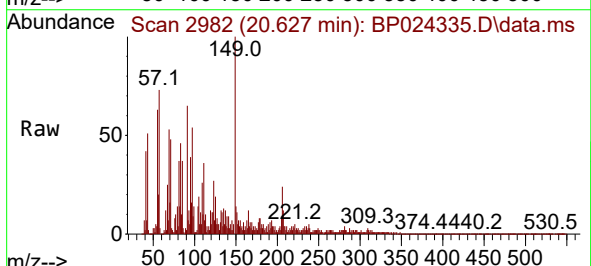
Tgt Ion:149 Resp: 1106107

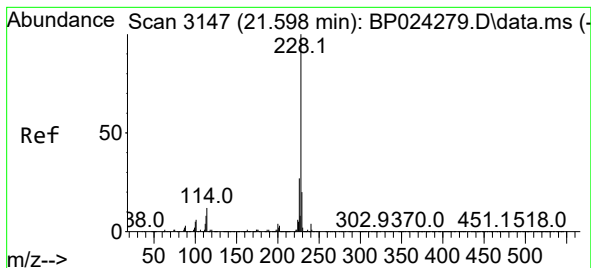
Ion Ratio Lower Upper

149 100

91 65.4 56.4 84.6

206 23.8 16.3 24.5





#81

Benzo(a)anthracene

Concen: 18.462 ng

RT: 21.604 min Scan# 3147

Delta R.T. 0.000 min

Lab File: BP024335.D

Acq: 17 Apr 2025 20:46

Instrument :

BNA_P

ClientSampleId :

TP-10

Tgt Ion:228 Resp: 1560150

Ion Ratio Lower Upper

228 100

226 29.4 21.8 32.8

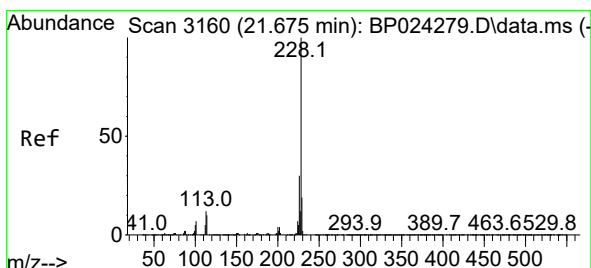
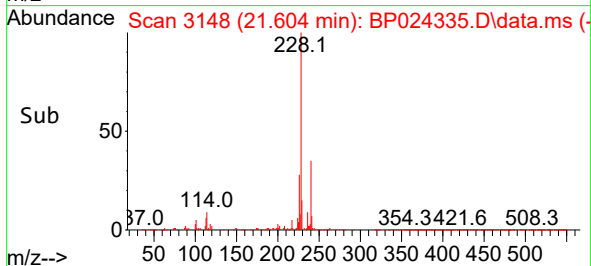
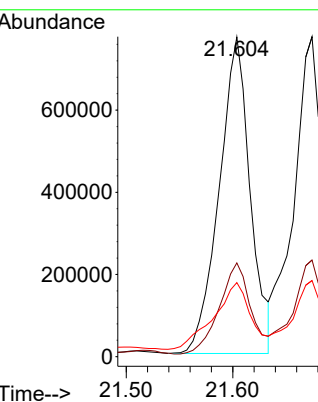
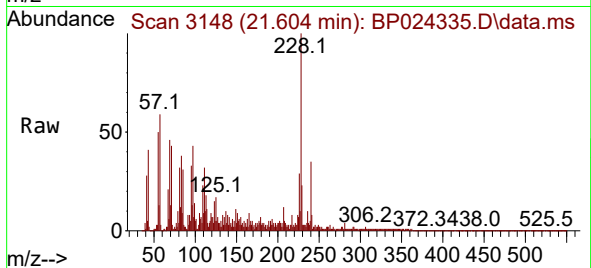
229 23.2 15.9 23.9

Manual Integrations

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Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#83

Chrysene

Concen: 18.005 ng m

RT: 21.674 min Scan# 3160

Delta R.T. -0.006 min

Lab File: BP024335.D

Acq: 17 Apr 2025 20:46

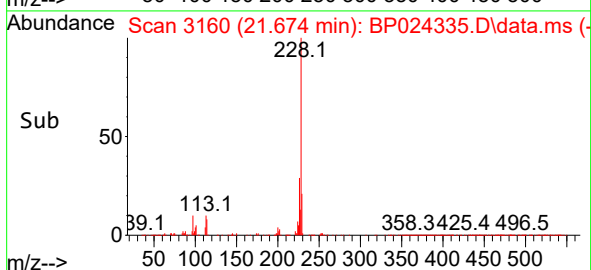
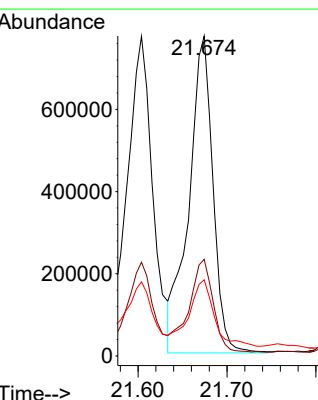
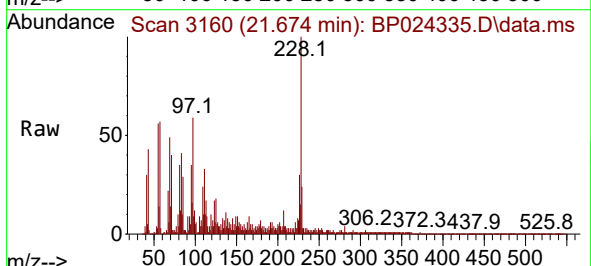
Tgt Ion:228 Resp: 1457711

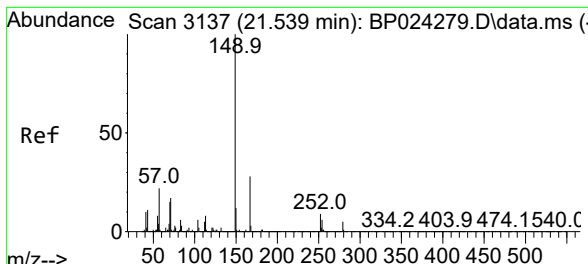
Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.2

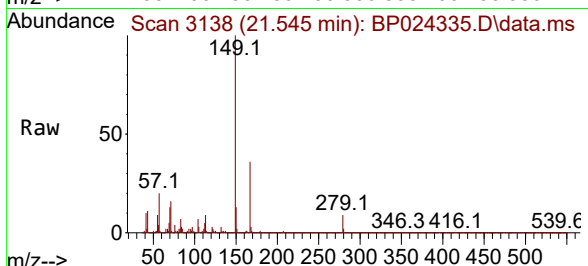
229 23.8 15.6 23.4#





#84
 Bis(2-ethylhexyl)phthalate
 Concen: 330.177 ng
 RT: 21.545 min Scan# 3138
 Delta R.T. 0.000 min
 Lab File: BP024335.D
 Acq: 17 Apr 2025 20:46

Instrument :
 BNA_P
 ClientSampleId :
 TP-10

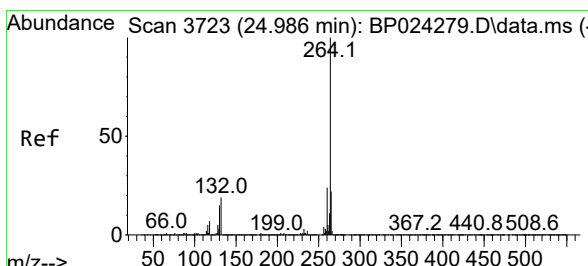
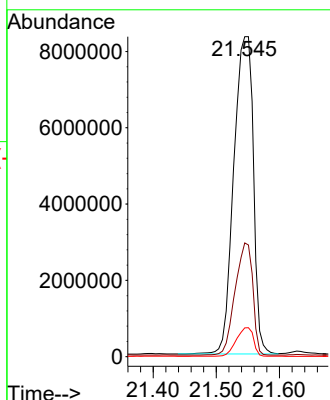
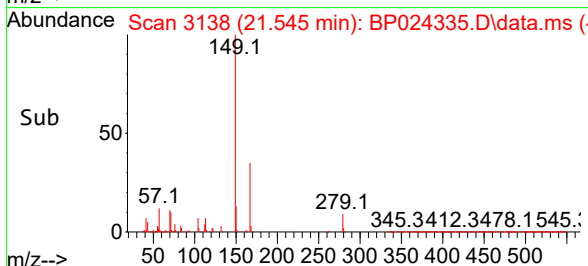


Tgt Ion:149 Resp:17912730

Ion	Ratio	Lower	Upper
149	100		
167	35.5	22.4	33.6
279	9.0	4.0	6.0

Manual Integrations
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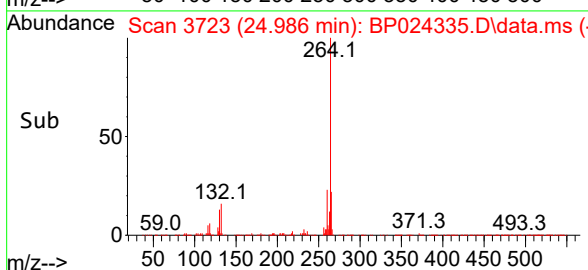
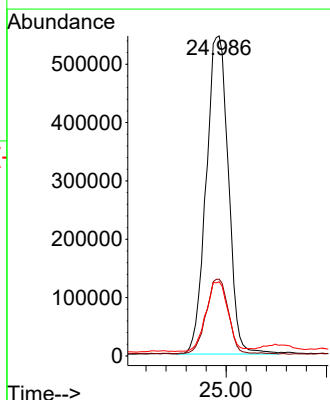
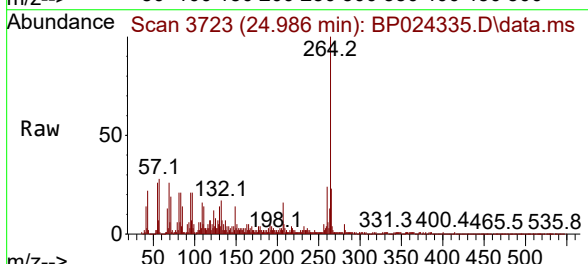
Reviewed By :Rahul Chavli 04/18/2025
 Supervised By :Jagrut Upadhyay 04/18/2025

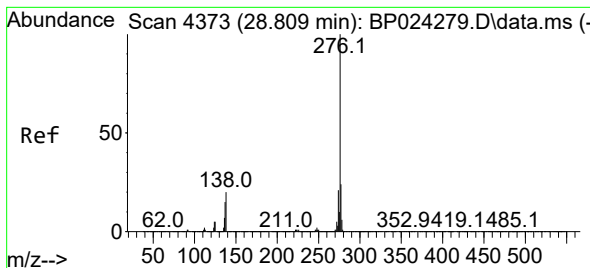


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.986 min Scan# 3723
 Delta R.T. 0.000 min
 Lab File: BP024335.D
 Acq: 17 Apr 2025 20:46

Tgt Ion:264 Resp: 1677277

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	23.2	17.8	26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.105 ng

RT: 28.786 min Scan# 4369

Delta R.T. -0.029 min

Lab File: BP024335.D

Acq: 17 Apr 2025 20:46

Instrument :

BNA_P

ClientSampleId :

TP-10

Tgt Ion:276 Resp: 106018

Ion Ratio Lower Upper

276 100

138 20.3 14.5 21.7

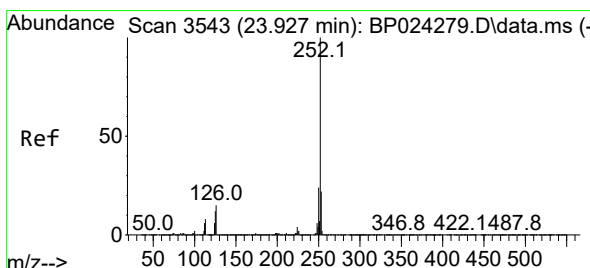
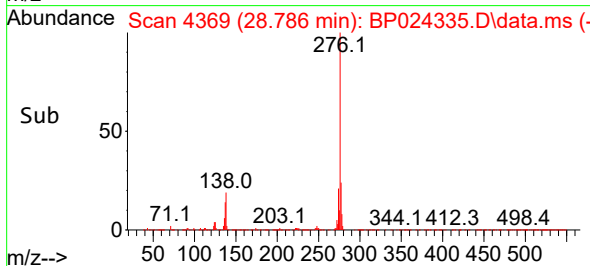
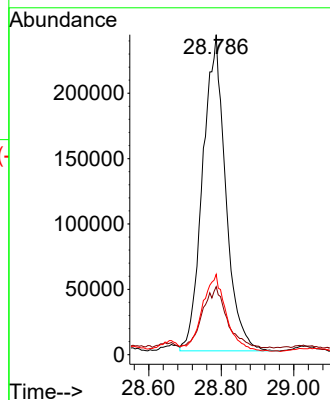
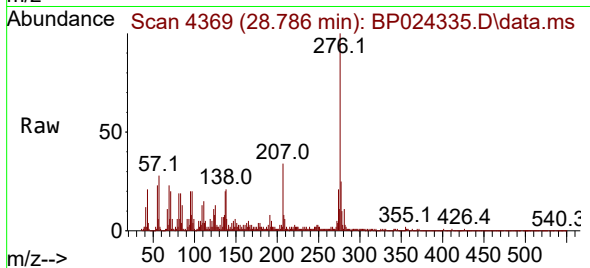
277 24.7 20.2 30.2

Manual Integrations

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Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#88

Benzo(b)fluoranthene

Concen: 18.951 ng

RT: 23.915 min Scan# 3541

Delta R.T. -0.018 min

Lab File: BP024335.D

Acq: 17 Apr 2025 20:46

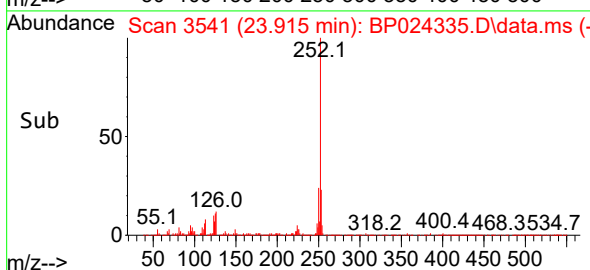
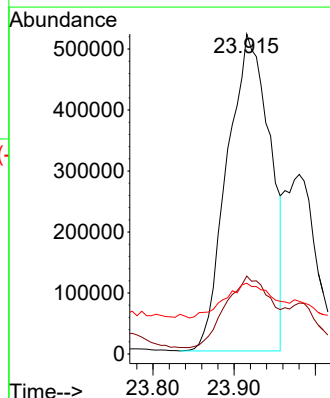
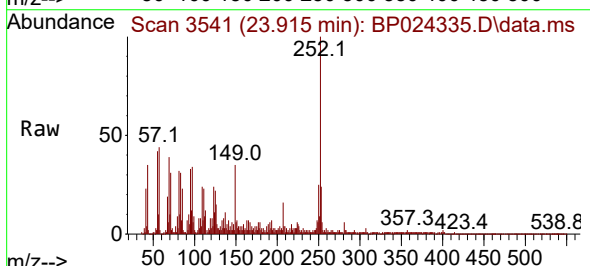
Tgt Ion:252 Resp: 1905325

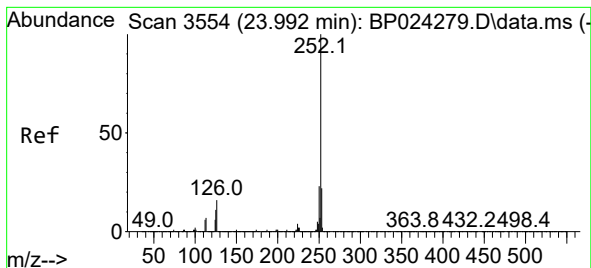
Ion Ratio Lower Upper

252 100

253 24.4 17.7 26.5

125 22.1 9.4 14.0#





#89

Benzo(k)fluoranthene

Concen: 7.980 ng m

RT: 23.980 min Scan# 3554

Delta R.T. -0.018 min

Lab File: BP024335.D

Acq: 17 Apr 2025 20:46

Instrument :

BNA_P

ClientSampleId :

TP-10

Tgt Ion:252 Resp: 774990

Ion Ratio Lower Upper

252 100

253 28.3 17.7 26.5

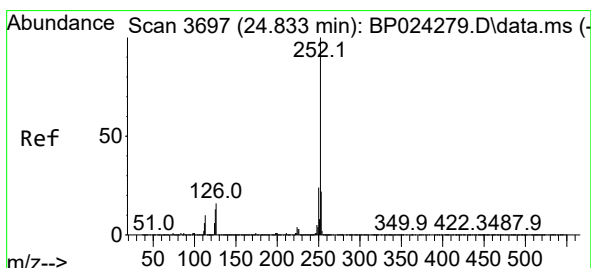
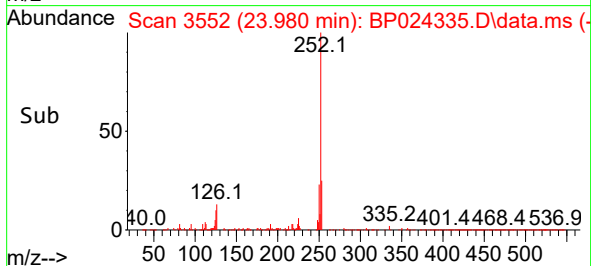
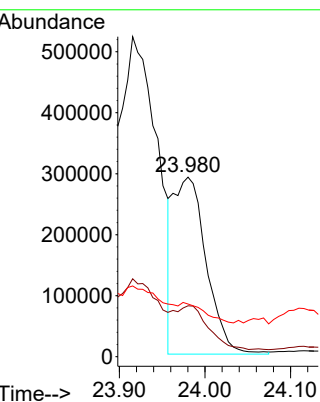
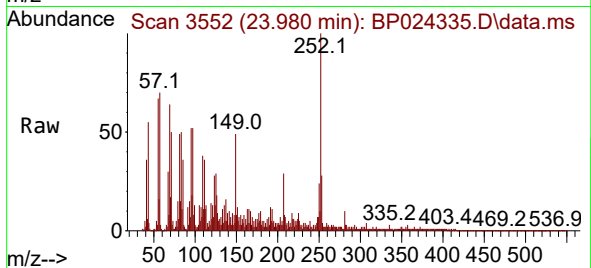
125 29.3 9.1 13.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#90

Benzo(a)pyrene

Concen: 16.451 ng

RT: 24.827 min Scan# 3696

Delta R.T. -0.006 min

Lab File: BP024335.D

Acq: 17 Apr 2025 20:46

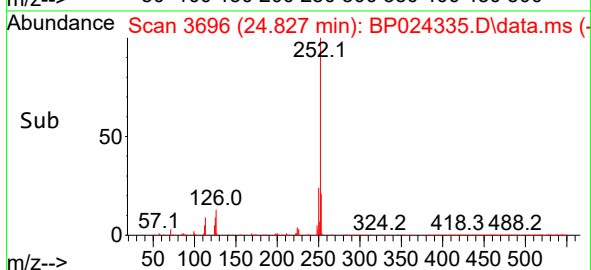
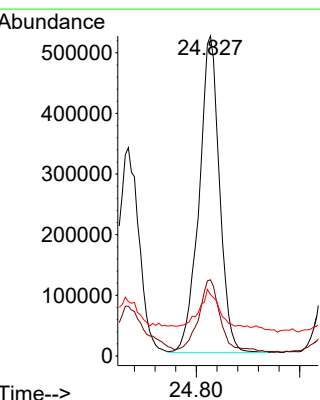
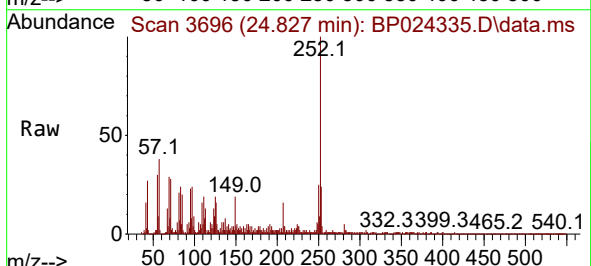
Tgt Ion:252 Resp: 1426708

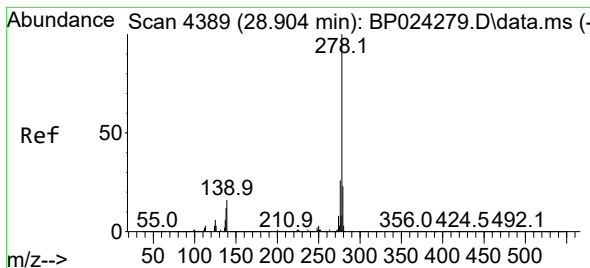
Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

125 19.2 10.1 15.1#





#91

Dibenzo(a,h)anthracene

Concen: 2.662 ng

RT: 28.839 min Scan# 41

Delta R.T. -0.047 min

Lab File: BP024335.D

Acq: 17 Apr 2025 20:46

Instrument :

BNA_P

ClientSampleId :

TP-10

Tgt Ion:278 Resp: 25724

Ion Ratio Lower Upper

278 100

139 33.5 12.6 19.0

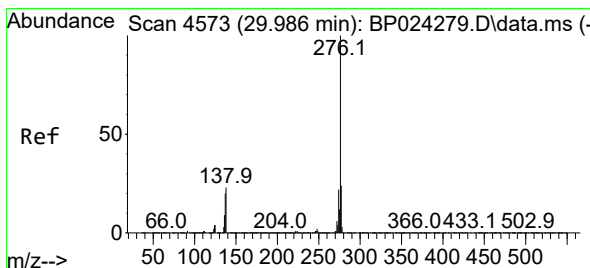
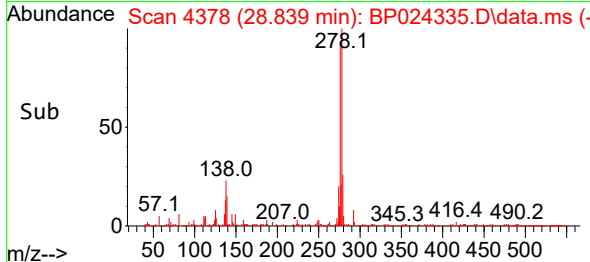
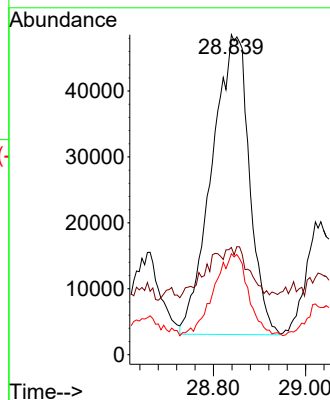
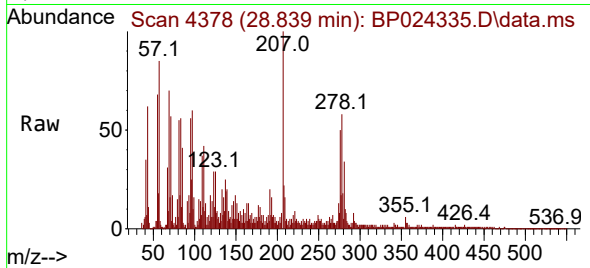
279 31.6 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/18/2025

Supervised By :Jagrut Upadhyay 04/18/2025



#92

Benzo(g,h,i)perylene

Concen: 10.418 ng

RT: 29.968 min Scan# 4570

Delta R.T. -0.029 min

Lab File: BP024335.D

Acq: 17 Apr 2025 20:46

Tgt Ion:276 Resp: 1024906

Ion Ratio Lower Upper

276 100

277 24.5 18.9 28.3

138 21.2 18.7 28.1

