

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140296.D
 Acq On : 08 Nov 2024 14:06
 Operator : RC/JU
 Sample : P4694-01DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z-03ADL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/10/2024
 Supervised By :mohammad ahmed 11/11/2024

Quant Time: Nov 08 14:32:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	121281	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	454225	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	251113	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	378257	20.000	ng	0.00
76) Chrysene-d12	14.057	240	280284	20.000	ng	0.00
86) Perylene-d12	15.562	264	232516	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	431886	59.014	ng	0.00
7) Phenol-d6	6.498	99	551740	58.613	ng	0.00
23) Nitrobenzene-d5	7.434	82	351859	38.514	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	127999	51.568	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	667322	42.434	ng	-0.01
79) Terphenyl-d14	12.992	244	591616	34.577	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.945	154	38722	2.823	ng	97
55) Dibenzofuran	10.116	168	39602	2.064	ng	97
58) Fluorene	10.463	166	48011	3.144	ng	97
71) Phenanthrene	11.427	178	603444	33.429	ng	99
72) Anthracene	11.480	178	140899	7.960	ng	99
73) Carbazole	11.633	167	55340	3.422	ng	99
75) Fluoranthene	12.621	202	829479	43.945	ng	99
78) Pyrene	12.851	202	754120	32.586	ng	98
81) Benzo(a)anthracene	14.045	228	404411	22.483	ng	97
83) Chrysene	14.080	228	351608	20.874	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	124603m	9.129	ng	
88) Benzo(b)fluoranthene	15.127	252	340144m	24.185	ng	
89) Benzo(k)fluoranthene	15.139	252	147598m	11.437	ng	
90) Benzo(a)pyrene	15.498	252	245620	21.182	ng	98
91) Dibenzo(a,h)anthracene	17.080	278	30380	2.705	ng	# 87
92) Benzo(g,h,i)perylene	17.527	276	115264	10.062	ng	98

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

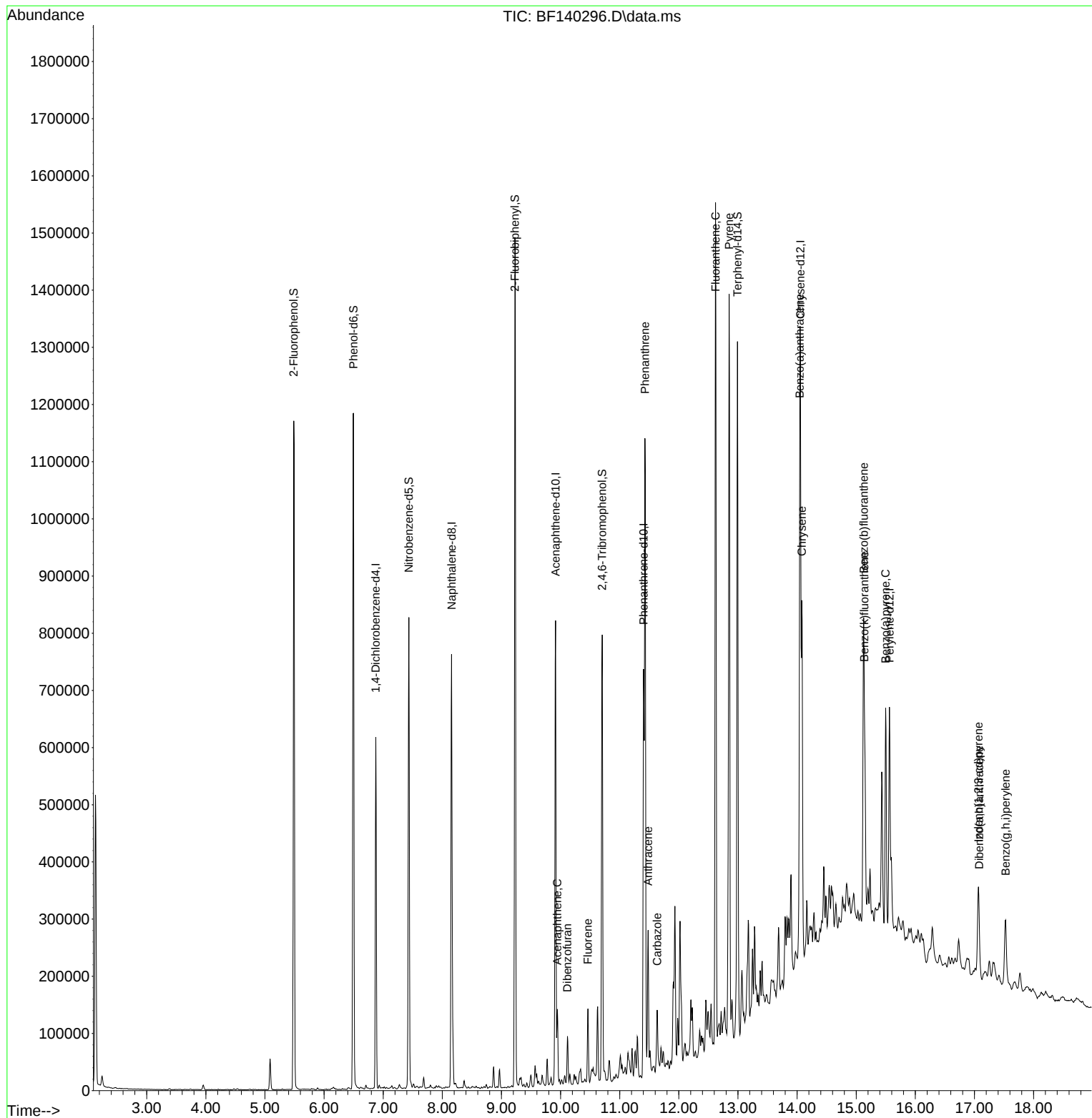
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140296.D
Acq On : 08 Nov 2024 14:06
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Sample : P4694-01DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

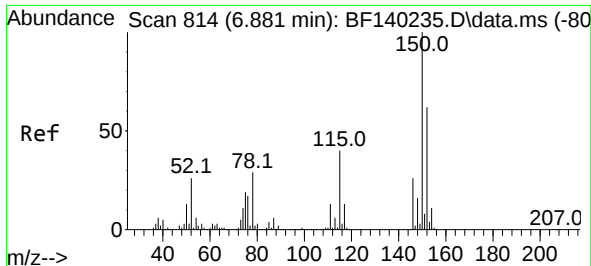
Instrument :
BNA_F
ClientSampleId :
Z-03ADL

Quant Time: Nov 08 14:32:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
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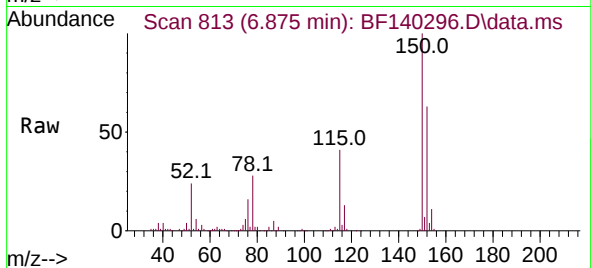
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

Instrument :

BNA_F

ClientSampleId :

Z-03ADL



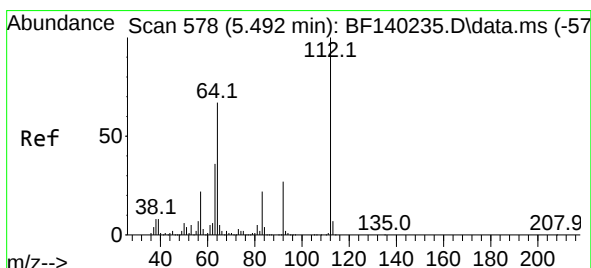
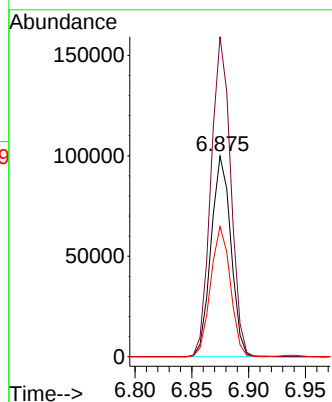
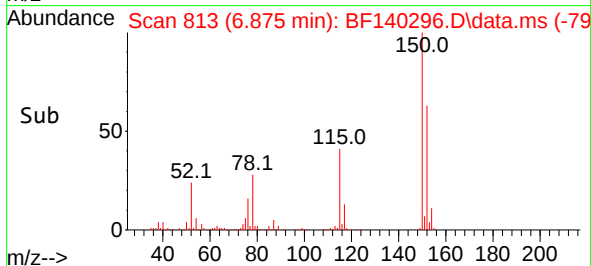
Tgt Ion:152 Resp: 12128
Ion Ratio Lower Upper
152 100
150 159.6 129.4 194.2
115 64.9 51.5 77.3

Manual Integrations

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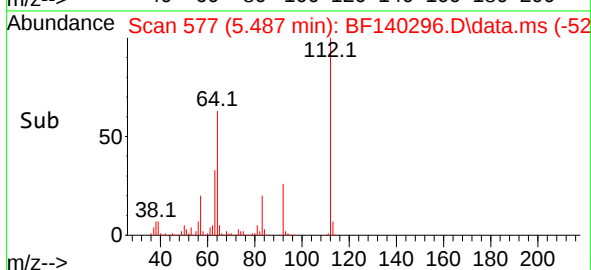
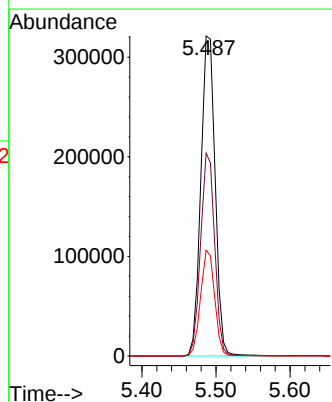
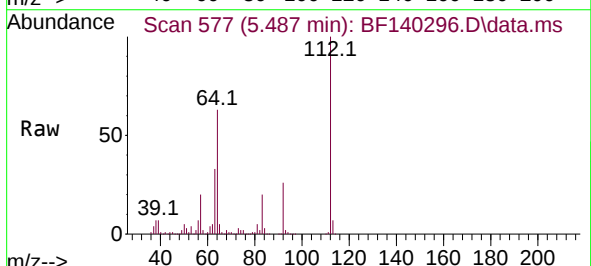
Reviewed By :Yogesh Patel 11/10/2024

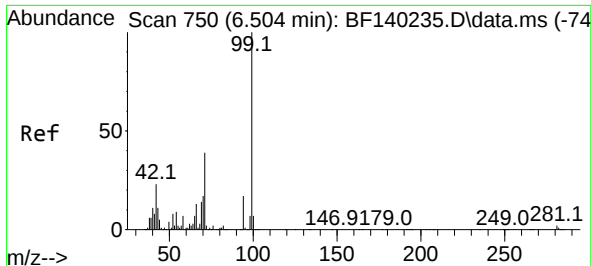
Supervised By :mohammad ahmed 11/11/2024



#5
2-Fluorophenol
Concen: 59.014 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

Tgt Ion:112 Resp: 431886
Ion Ratio Lower Upper
112 100
64 63.4 53.4 80.2
63 33.0 28.9 43.3





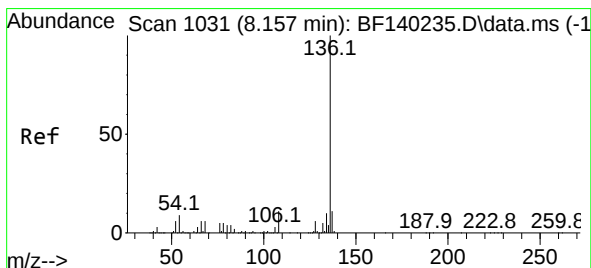
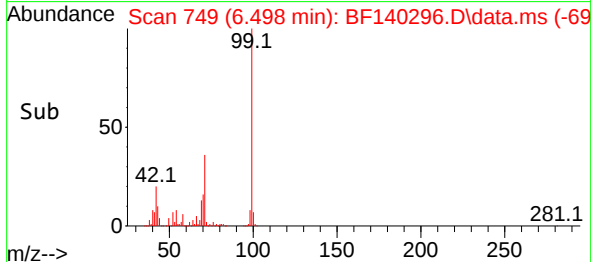
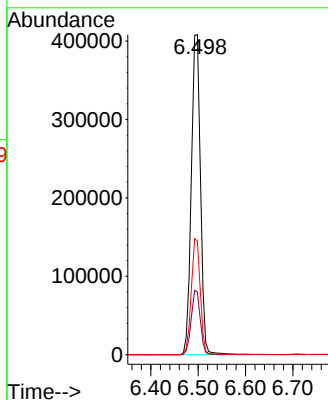
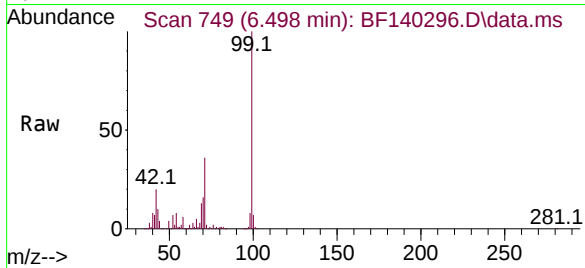
#7
Phenol-d6
Concen: 58.613 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

Instrument :
BNA_F
ClientSampleId :
Z-03ADL

Tgt Ion: 99 Resp: 551740
Ion Ratio Lower Upper
99 100
42 19.6 18.2 27.2
71 35.6 30.9 46.3

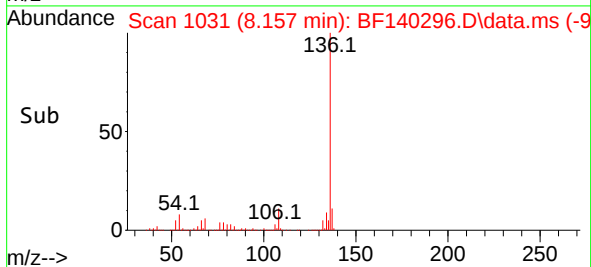
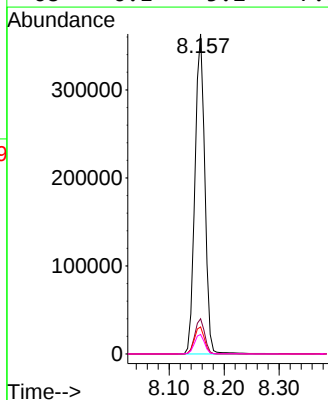
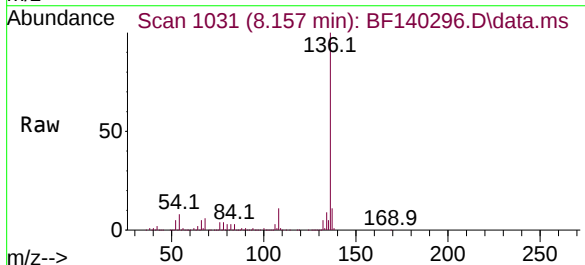
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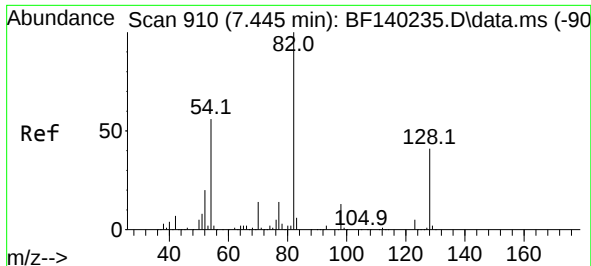
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

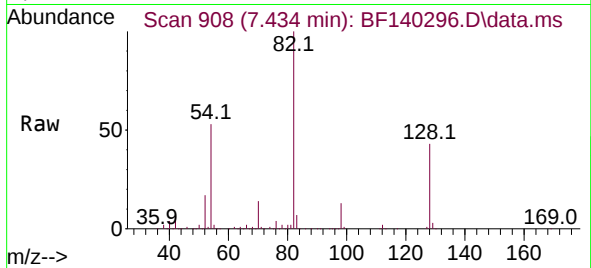
Tgt Ion:136 Resp: 454225
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 8.4 7.7 11.5
68 6.1 5.2 7.8





#23
Nitrobenzene-d5
Concen: 38.514 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

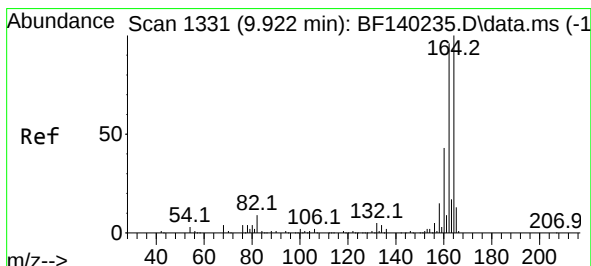
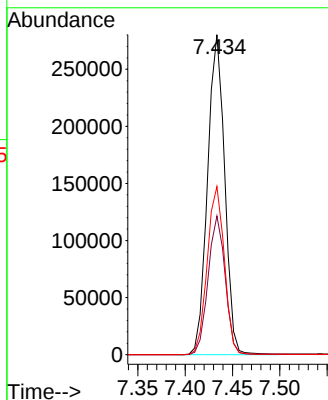
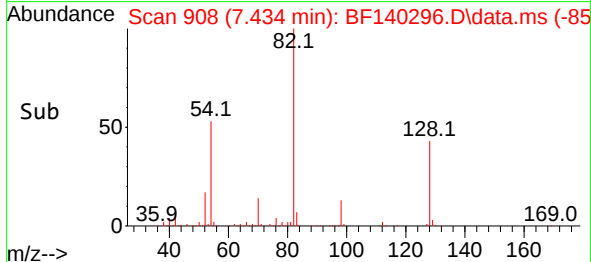
Instrument :
BNA_F
ClientSampleId :
Z-03ADL



Tgt Ion: 82 Resp: 35185
Ion Ratio Lower Upper
82 100
128 43.3 32.8 49.2
54 52.5 44.3 66.5

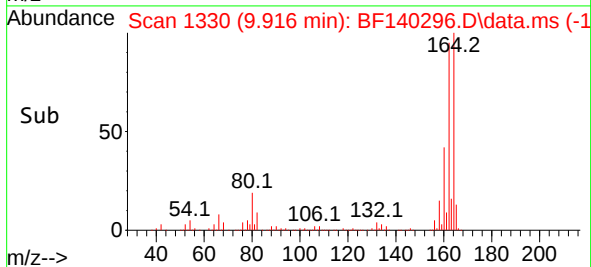
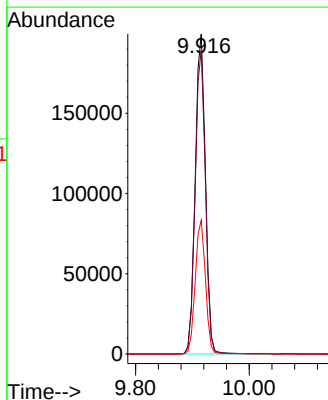
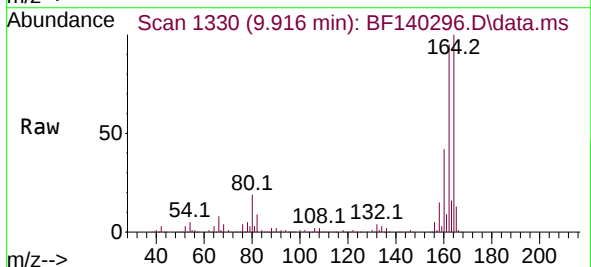
Manual Integrations
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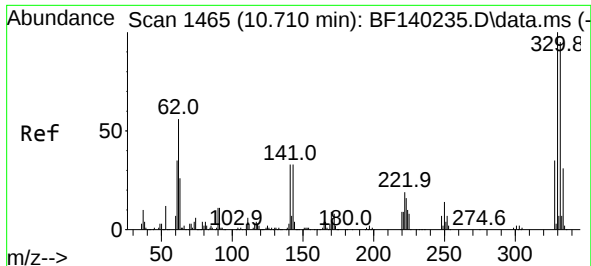
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

Tgt Ion:164 Resp: 251113
Ion Ratio Lower Upper
164 100
162 94.9 77.0 115.4
160 41.8 34.1 51.1





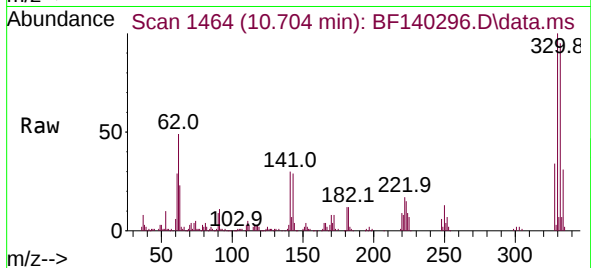
#42
2,4,6-Tribromophenol
Concen: 51.568 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

Instrument :

BNA_F

ClientSampleId :

Z-03ADL



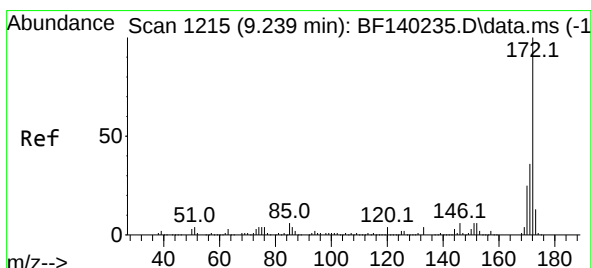
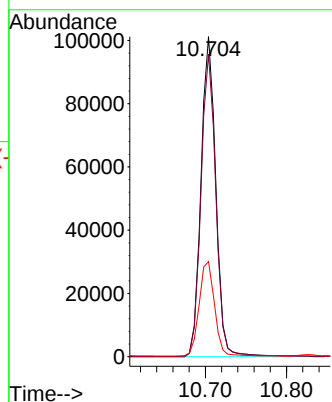
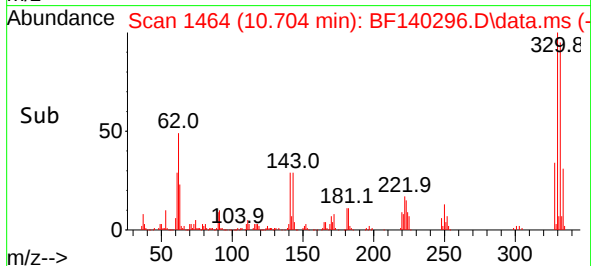
Tgt Ion: 330 Resp: 127995
Ion Ratio Lower Upper
330 100
332 95.1 76.4 114.6
141 30.8 27.0 40.4

Manual Integrations

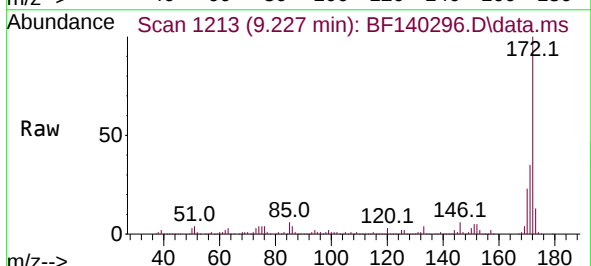
APPROVED

Reviewed By : Yogesh Patel 11/10/2024

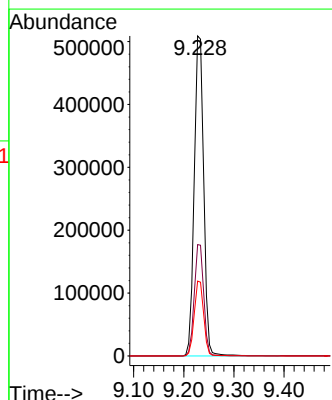
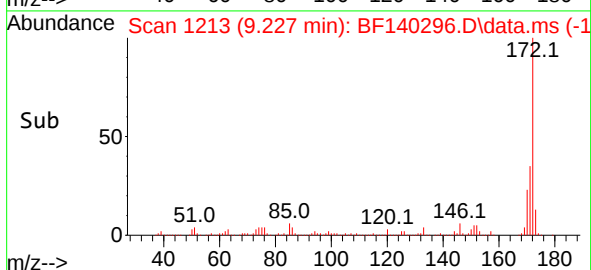
Supervised By : mohammad ahmed 11/11/2024

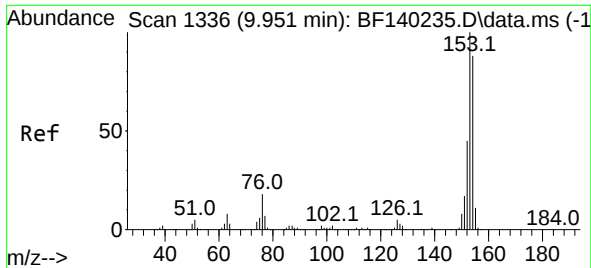


#45
2-Fluorobiphenyl
Concen: 42.434 ng
RT: 9.227 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06



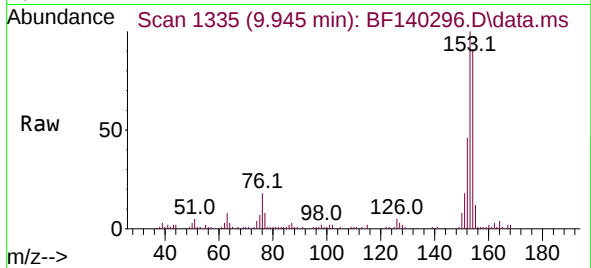
Tgt Ion: 172 Resp: 667322
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 23.4 19.6 29.4





#52
Acenaphthene
Concen: 2.823 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

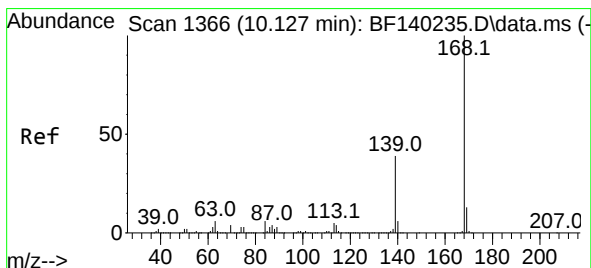
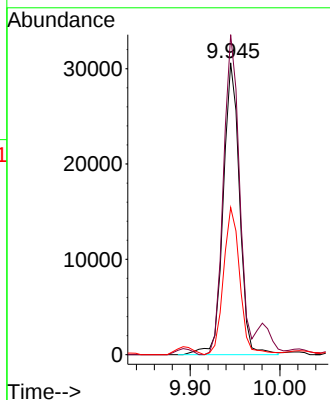
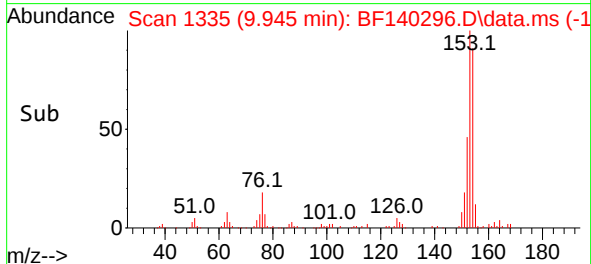
Instrument :
BNA_F
ClientSampleId :
Z-03ADL



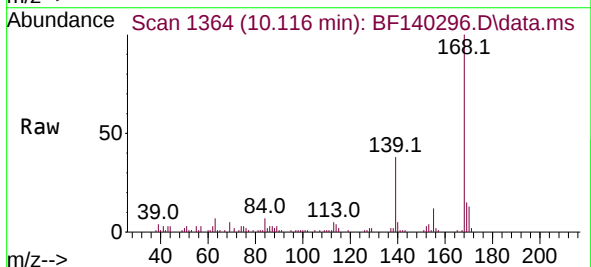
Tgt Ion:154 Resp: 3872
Ion Ratio Lower Upper
154 100
153 109.6 91.3 136.9
152 50.4 41.4 62.2

Manual Integrations
APPROVED

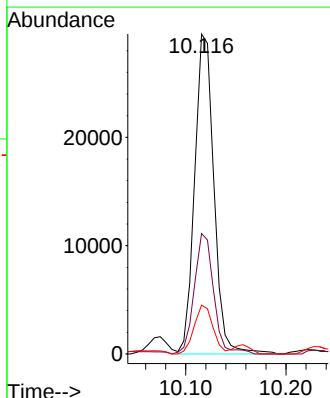
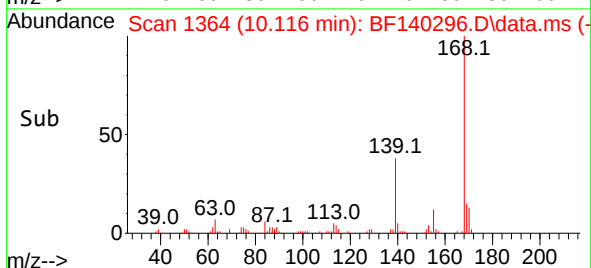
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

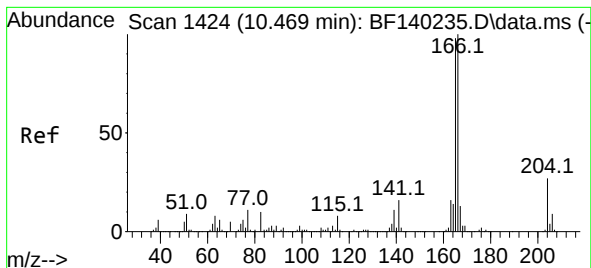


#55
Dibenzofuran
Concen: 2.064 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.011 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06



Tgt Ion:168 Resp: 39602
Ion Ratio Lower Upper
168 100
139 37.6 31.5 47.3
169 15.2 10.6 15.8





#58

Fluorene

Concen: 3.144 ng

RT: 10.463 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

Instrument :

BNA_F

ClientSampleId :

Z-03ADL

Tgt Ion:166 Resp: 4801

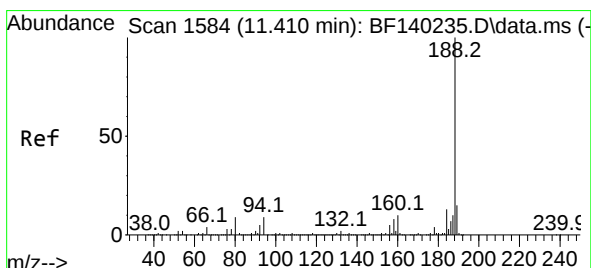
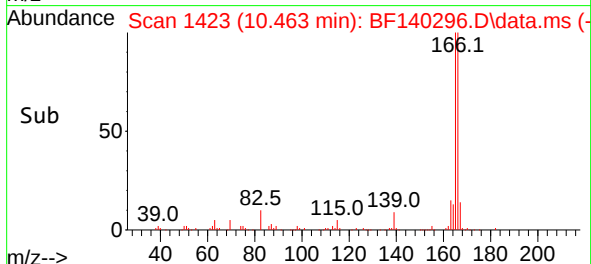
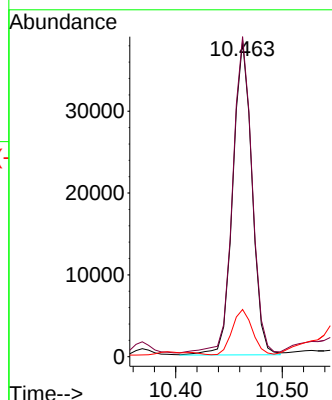
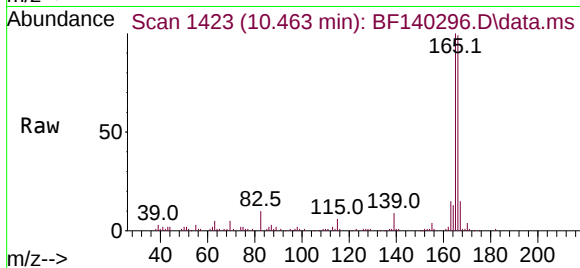
Ion	Ratio	Lower	Upper
166	100		
165	101.3	78.7	118.1
167	14.9	10.8	16.2

Manual Integrations

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Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

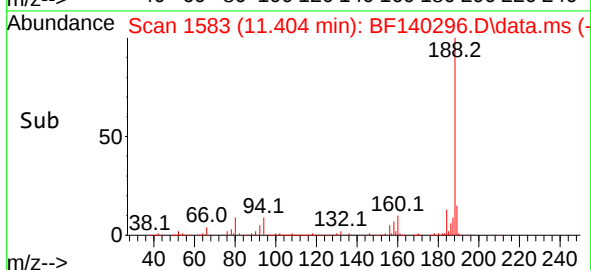
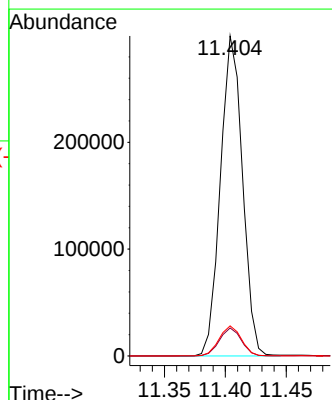
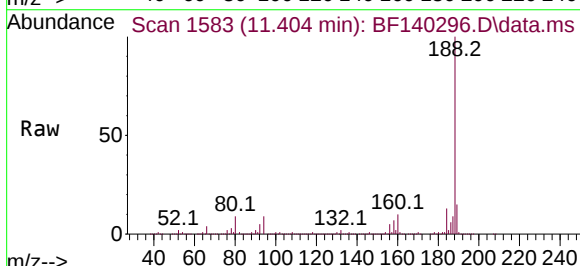
Delta R.T. -0.006 min

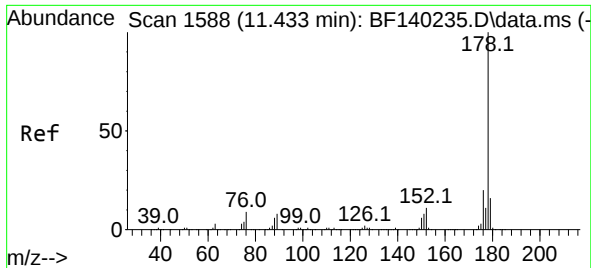
Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

Tgt Ion:188 Resp: 378257

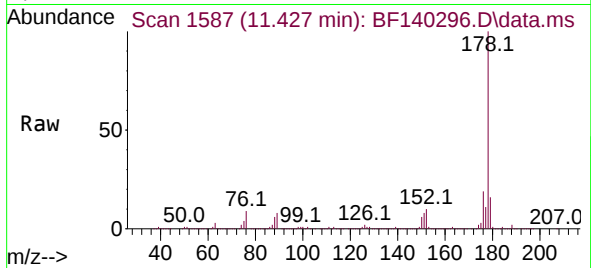
Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.9	10.3
80	9.4	7.5	11.3





#71
Phenanthrene
Concen: 33.429 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

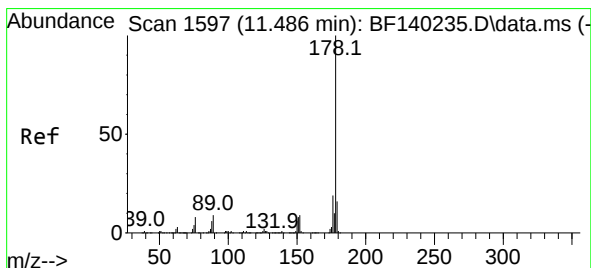
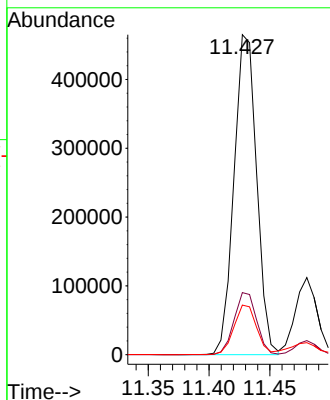
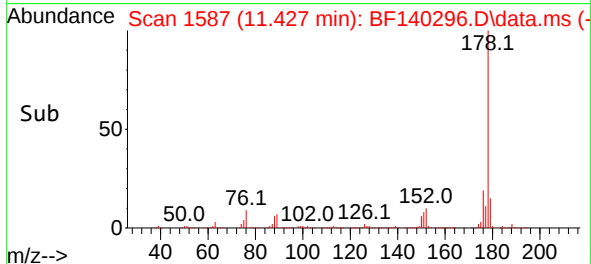
Instrument :
BNA_F
ClientSampleId :
Z-03ADL



Tgt Ion:178 Resp: 60344
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.5 12.6 18.8

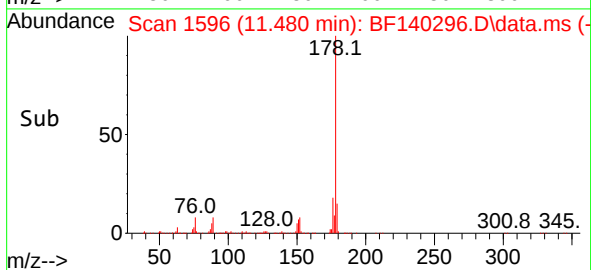
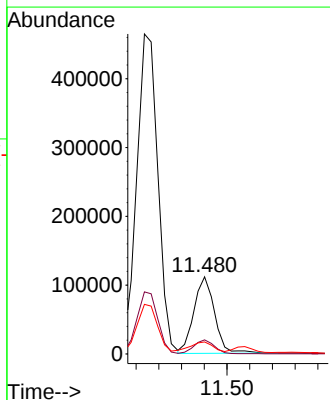
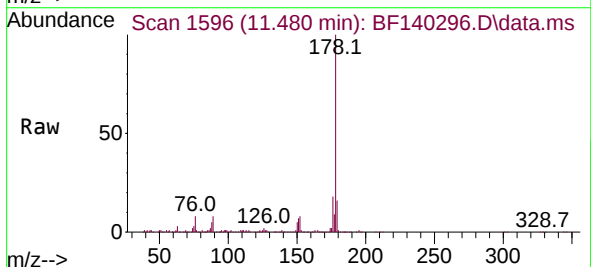
Manual Integrations
APPROVED

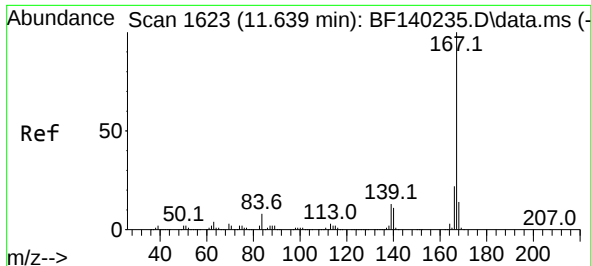
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#72
Anthracene
Concen: 7.960 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

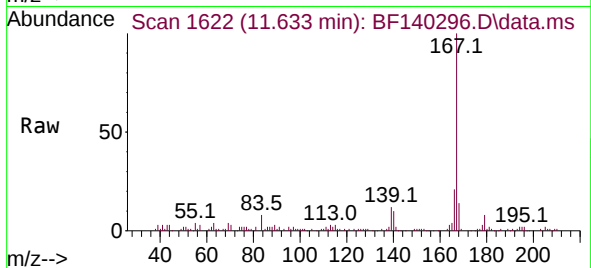
Tgt Ion:178 Resp: 140899
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 15.7 12.7 19.1





#73
 Carbazole
 Concen: 3.422 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF140296.D
 Acq: 08 Nov 2024 14:06

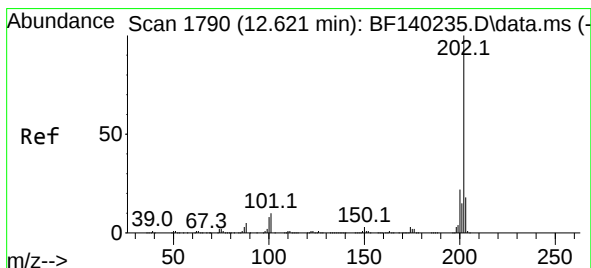
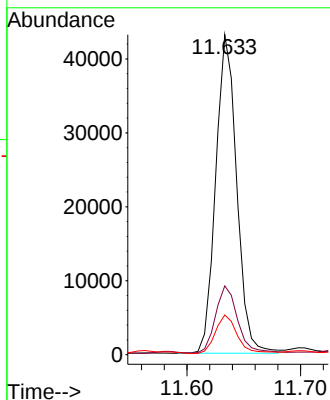
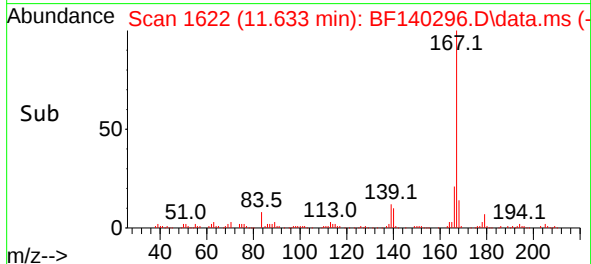
Instrument :
 BNA_F
 ClientSampleId :
 Z-03ADL



Tgt Ion:167 Resp: 55340
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.3 25.9
 139 12.4 10.7 16.1

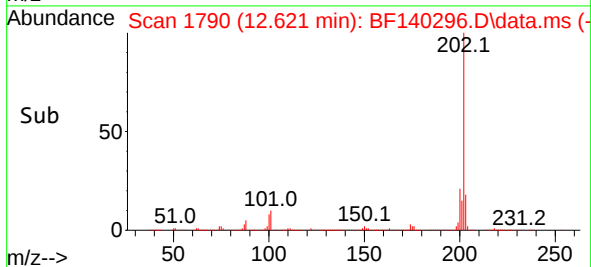
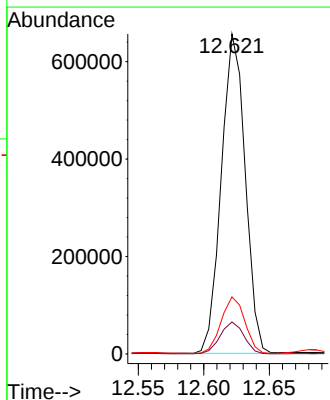
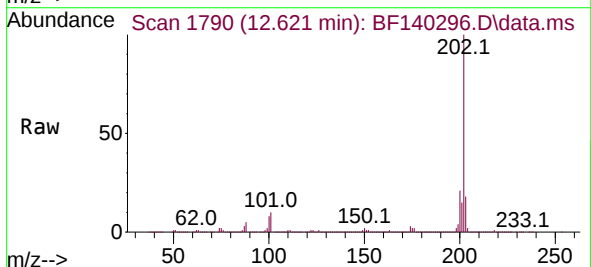
Manual Integrations
 APPROVED

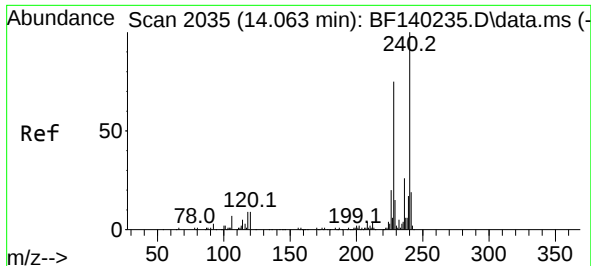
Reviewed By :Yogesh Patel 11/10/2024
 Supervised By :mohammad ahmed 11/11/2024



#75
 Fluoranthene
 Concen: 43.945 ng
 RT: 12.621 min Scan# 1790
 Delta R.T. -0.000 min
 Lab File: BF140296.D
 Acq: 08 Nov 2024 14:06

Tgt Ion:202 Resp: 829479
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 30.4
 203 17.8 0.0 38.0





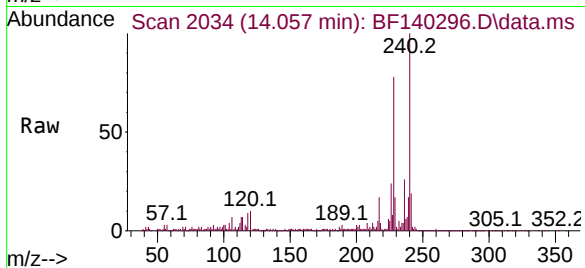
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

Instrument :

BNA_F

ClientSampleId :

Z-03ADL



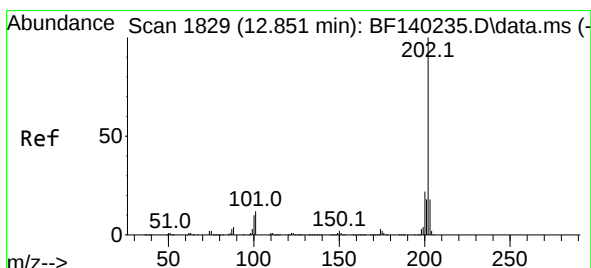
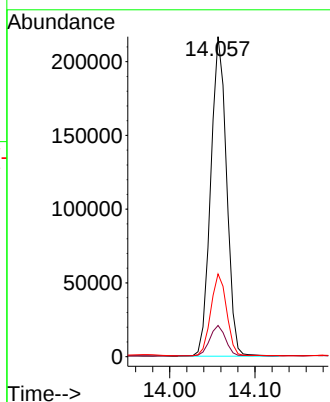
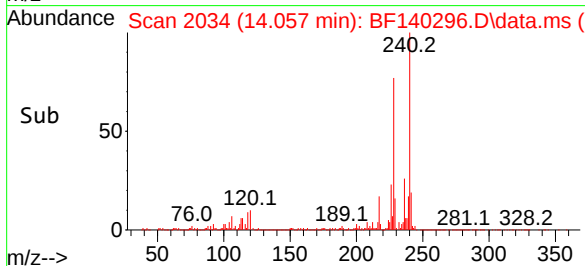
Tgt Ion:240 Resp: 280284
Ion Ratio Lower Upper
240 100
120 9.7 7.5 11.3
236 25.9 20.9 31.3

Manual Integrations

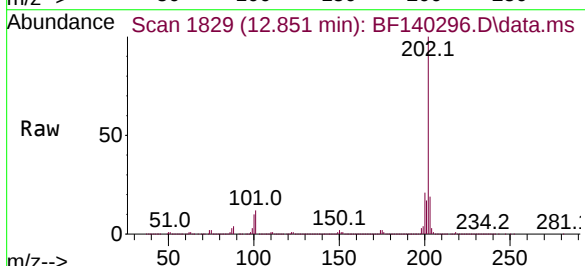
APPROVED

Reviewed By :Yogesh Patel 11/10/2024

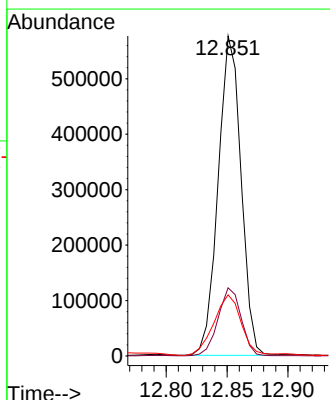
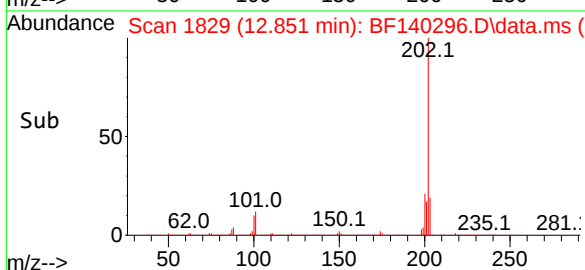
Supervised By :mohammad ahmed 11/11/2024

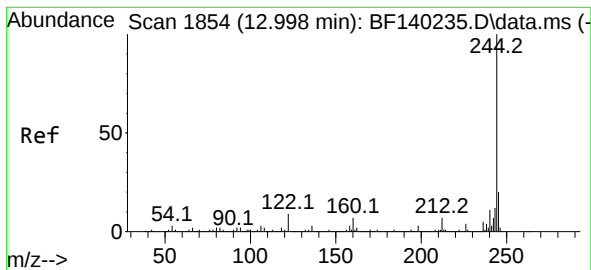


#78
Pyrene
Concen: 32.586 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06



Tgt Ion:202 Resp: 754120
Ion Ratio Lower Upper
202 100
200 21.3 17.5 26.3
203 19.1 14.4 21.6





#79

Terphenyl-d14

Concen: 34.577 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

Instrument :

BNA_F

ClientSampleId :

Z-03ADL

Tgt Ion:244 Resp: 591610

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

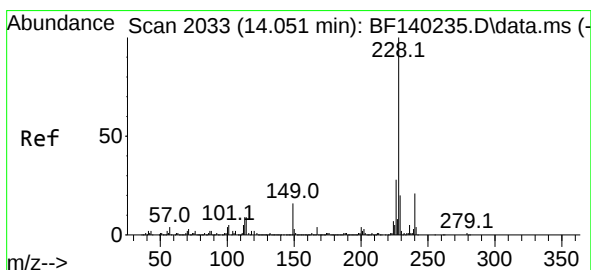
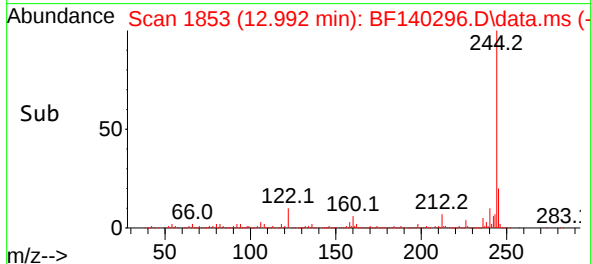
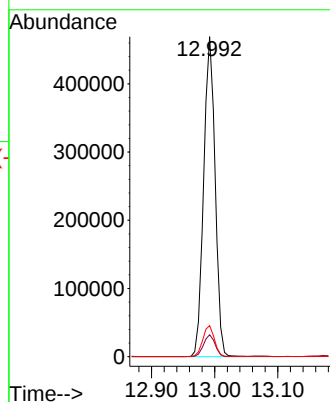
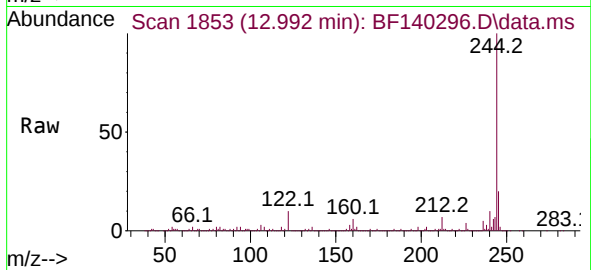
122 9.7 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#81

Benzo(a)anthracene

Concen: 22.483 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

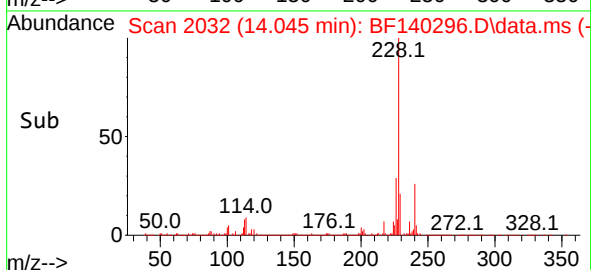
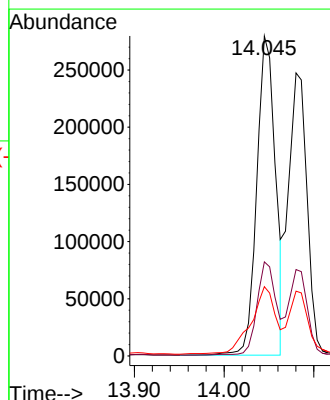
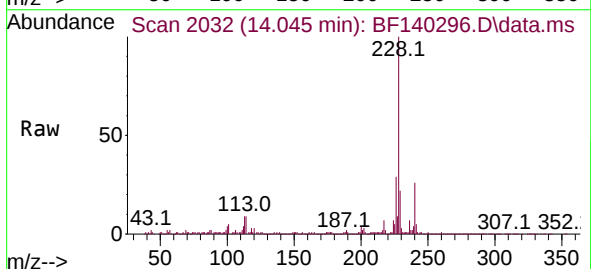
Tgt Ion:228 Resp: 404411

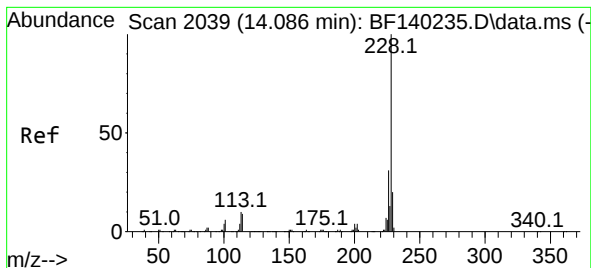
Ion Ratio Lower Upper

228 100

226 29.4 22.3 33.5

229 21.6 16.1 24.1





#83

Chrysene

Concen: 20.874 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

Instrument :

BNA_F

ClientSampleId :

Z-03ADL

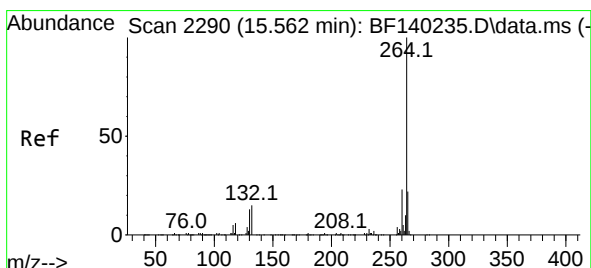
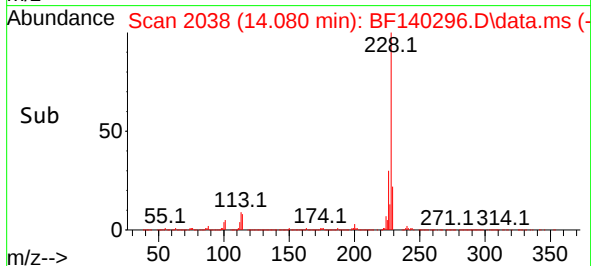
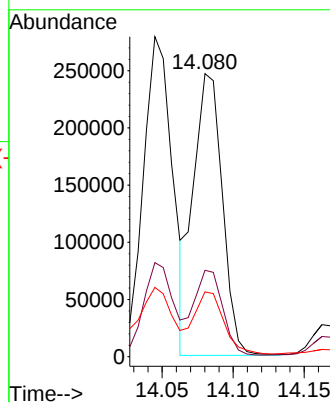
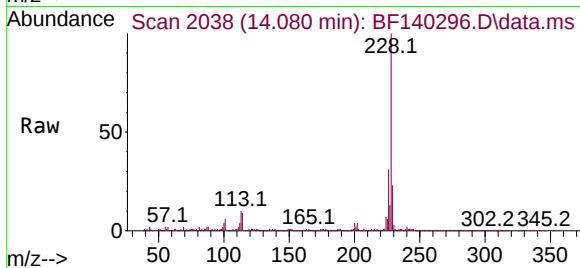
Tgt Ion:228	Resp: 351608
Ion Ratio	Lower Upper
228 100	
226 30.5	24.6 36.8
229 22.9	16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#86

Perylene-d12

Concen: 20.000 ng

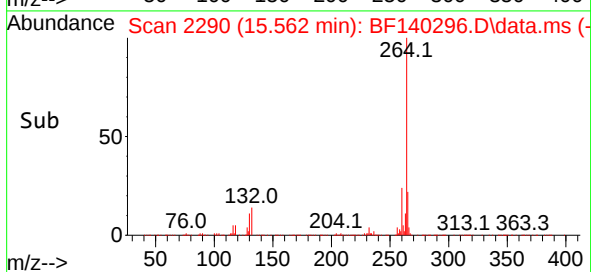
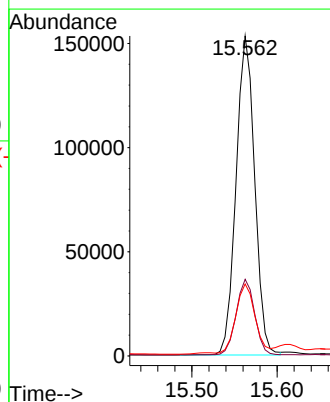
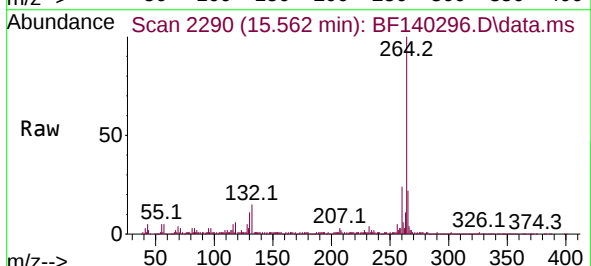
RT: 15.562 min Scan# 2290

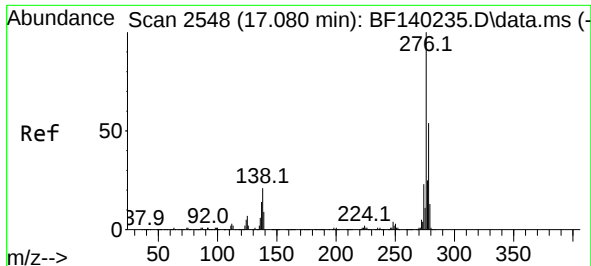
Delta R.T. -0.000 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

Tgt Ion:264	Resp: 232516
Ion Ratio	Lower Upper
264 100	
260 24.0	18.8 28.2
265 22.5	17.3 25.9





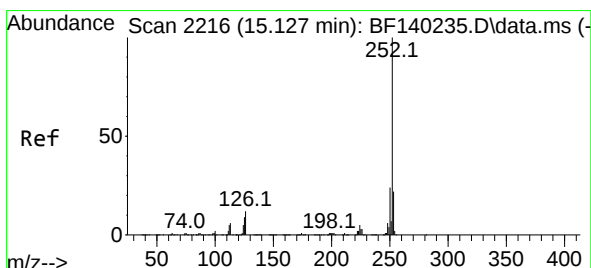
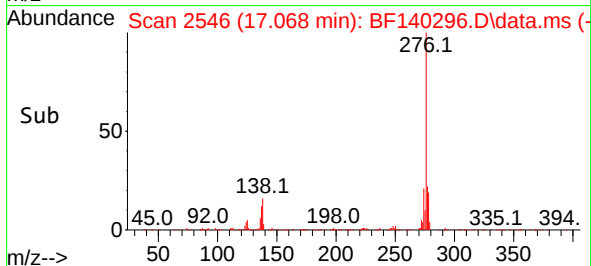
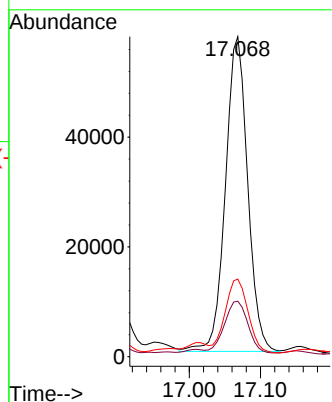
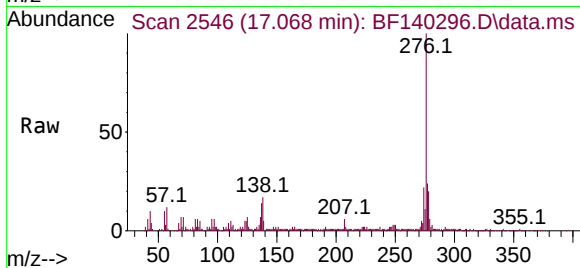
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.129 ng m
RT: 17.068 min Scan# 2146
Delta R.T. -0.012 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

Instrument :
BNA_F
ClientSampleId :
Z-03ADL

Tgt Ion:276 Resp: 124600
Ion Ratio Lower Upper
276 100
138 3.4 17.6 26.4
277 4.6 20.2 30.2

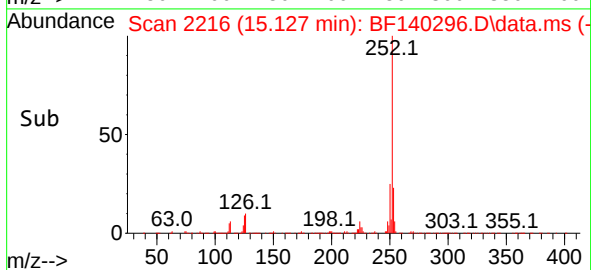
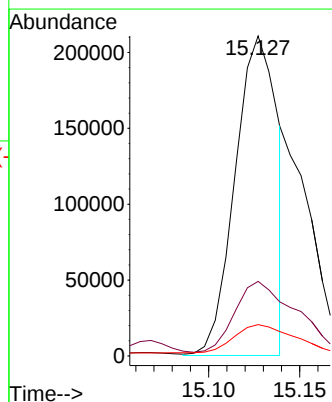
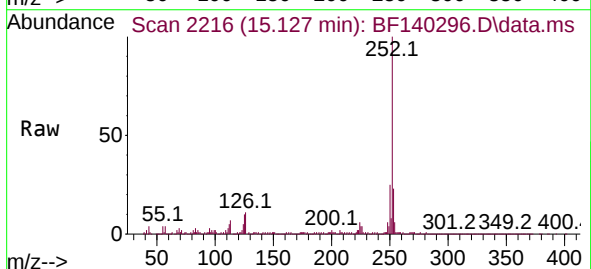
Manual Integrations
APPROVED

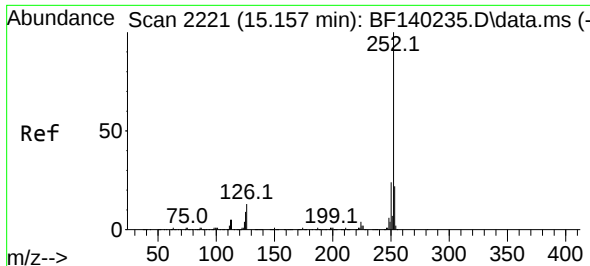
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#88
Benzo(b)fluoranthene
Concen: 24.185 ng m
RT: 15.127 min Scan# 2216
Delta R.T. -0.000 min
Lab File: BF140296.D
Acq: 08 Nov 2024 14:06

Tgt Ion:252 Resp: 340144
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 9.8 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 11.437 ng m

RT: 15.139 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

Instrument :

BNA_F

ClientSampleId :

Z-03ADL

Tgt Ion:252 Resp: 147598

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

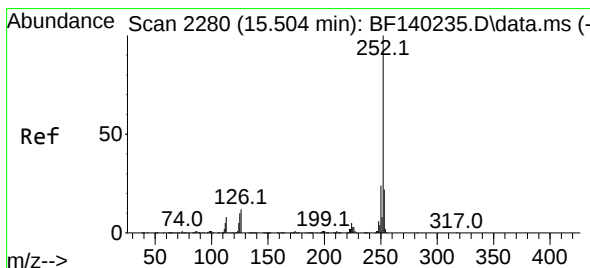
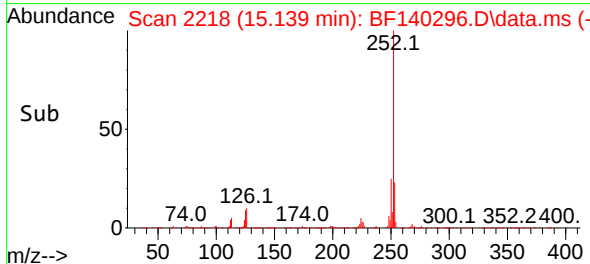
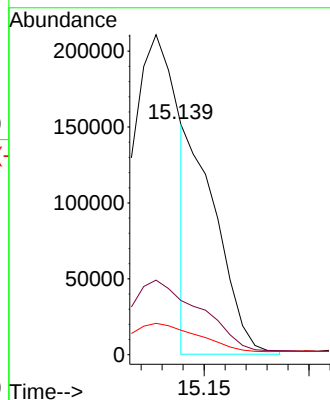
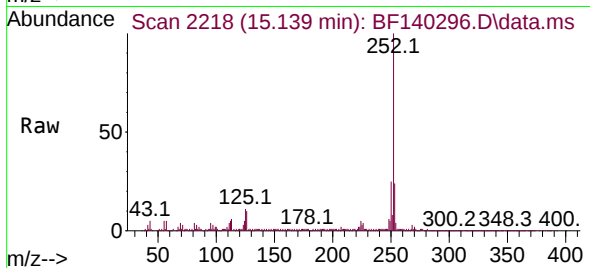
125 10.6 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#90

Benzo(a)pyrene

Concen: 21.182 ng

RT: 15.498 min Scan# 2279

Delta R.T. -0.006 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

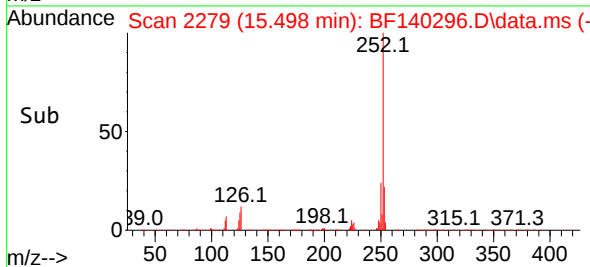
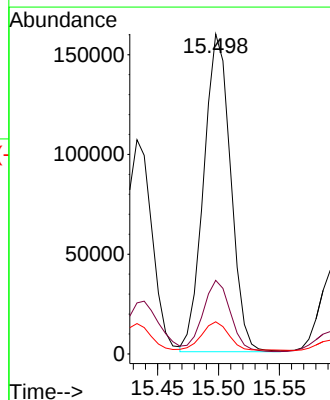
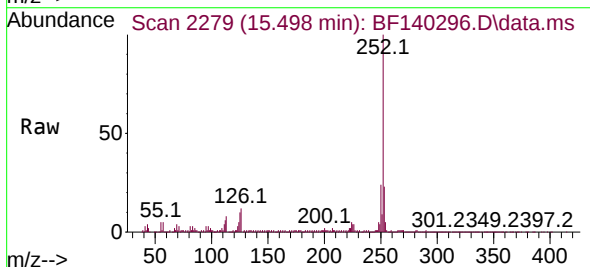
Tgt Ion:252 Resp: 245620

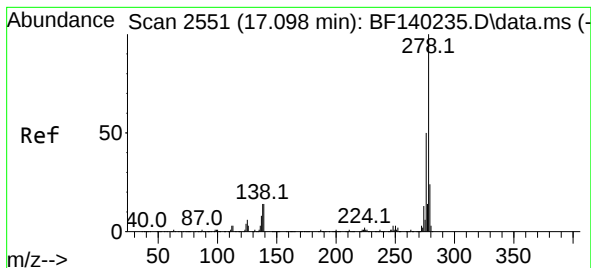
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 10.1 7.6 11.4





#91

Dibenzo(a,h)anthracene

Concen: 2.705 ng

RT: 17.080 min Scan# 2548

Delta R.T. -0.018 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

Instrument :

BNA_F

ClientSampleId :

Z-03ADL

Tgt Ion:278 Resp: 30380

Ion Ratio Lower Upper

278 100

139 18.1 11.1 16.7

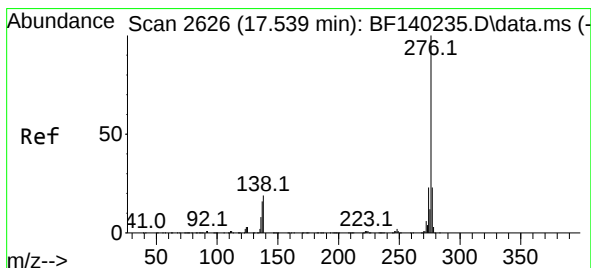
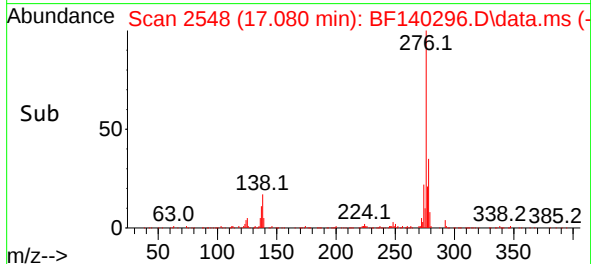
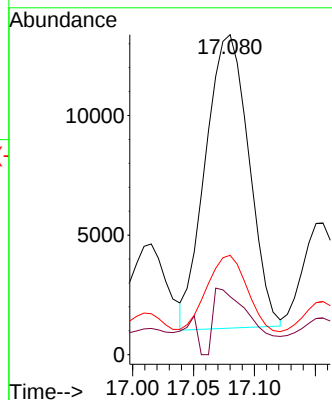
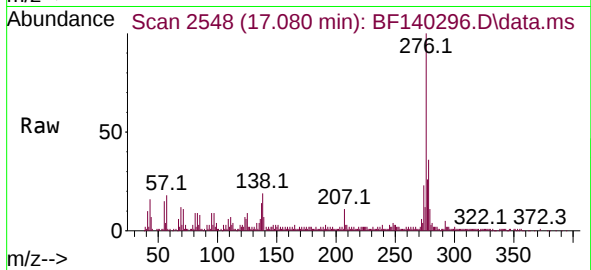
279 31.1 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#92

Benzo(g,h,i)perylene

Concen: 10.062 ng

RT: 17.527 min Scan# 2624

Delta R.T. -0.012 min

Lab File: BF140296.D

Acq: 08 Nov 2024 14:06

Tgt Ion:276 Resp: 115264

Ion Ratio Lower Upper

276 100

277 24.2 18.8 28.2

138 17.9 15.3 22.9

