

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
 Data File : BF140073.D
 Acq On : 26 Oct 2024 21:29
 Operator : RC/JU
 Sample : P4531-01 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-102424

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/29/2024
 Supervised By :mohammad ahmed 10/29/2024

Quant Time: Oct 28 01:11:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	132962	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	469517	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	215959	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	339379	20.000	ng	0.00
76) Chrysene-d12	14.051	240	217705	20.000	ng	0.00
86) Perylene-d12	15.533	264	176277	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	131661	15.502	ng	0.00
7) Phenol-d6	6.498	99	161654	14.696	ng	-0.01
23) Nitrobenzene-d5	7.445	82	97049	11.456	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	28143	13.932	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	175705	13.446	ng	-0.01
79) Terphenyl-d14	12.992	244	153805	11.512	ng	0.00
Target Compounds					Qvalue	
31) Naphthalene	8.192	128	59851	2.472	ng	99
52) Acenaphthene	9.957	154	31396	2.772	ng	97
58) Fluorene	10.469	166	41253	3.334	ng	99
71) Phenanthrene	11.433	178	330451	20.613	ng	99
72) Anthracene	11.486	178	100908	6.451	ng	99
73) Carbazole	11.639	167	35633	2.450	ng	100
75) Fluoranthene	12.627	202	577538	35.638	ng	99
78) Pyrene	12.857	202	505383	26.520	ng	99
81) Benzo(a)anthracene	14.039	228	246099	17.365	ng	96
83) Chrysene	14.074	228	202998	15.623	ng	97
87) Indeno(1,2,3-cd)pyrene	17.021	276	81980m	7.229	ng	
88) Benzo(b)fluoranthene	15.098	252	201561m	18.771	ng	
89) Benzo(k)fluoranthene	15.109	252	84914m	9.169	ng	
90) Benzo(a)pyrene	15.468	252	146725	16.606	ng	98
91) Dibenzo(a,h)anthracene	17.033	278	20343	2.150	ng	# 84
92) Benzo(g,h,i)perylene	17.474	276	80096	8.476	ng	99

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

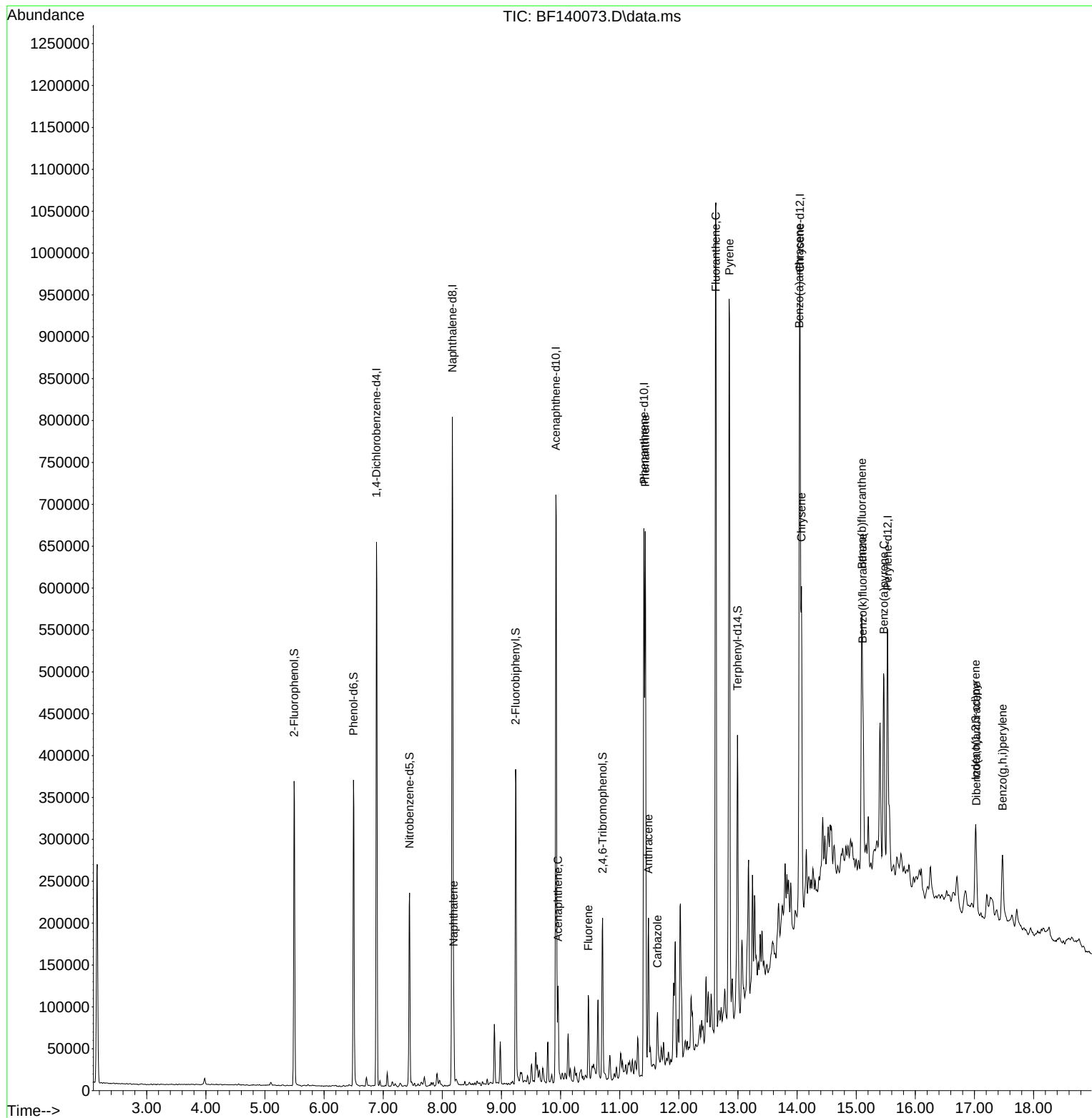
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140073.D
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Misc :
ALS Vial : 25 Sample Multiplier: 1

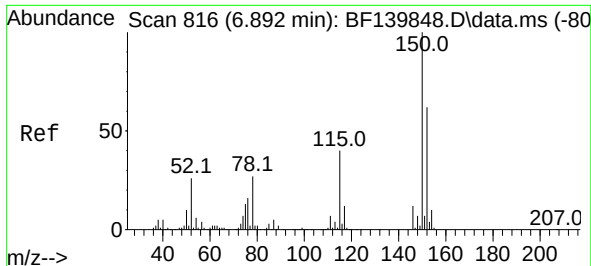
Instrument :
BNA_F
ClientSampleId :
OR-03-102424

Quant Time: Oct 28 01:11:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
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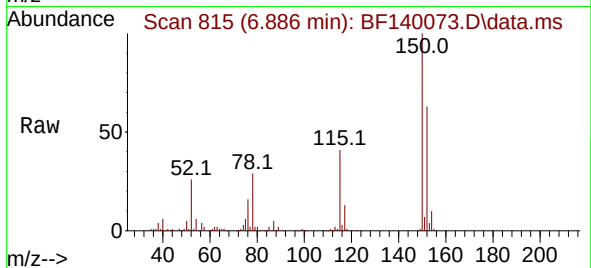
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

Instrument :

BNA_F

ClientSampleId :

OR-03-102424



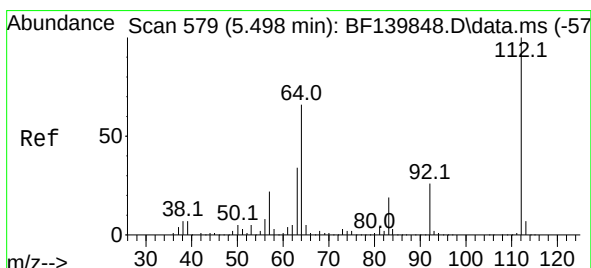
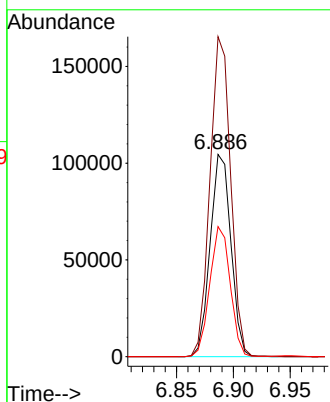
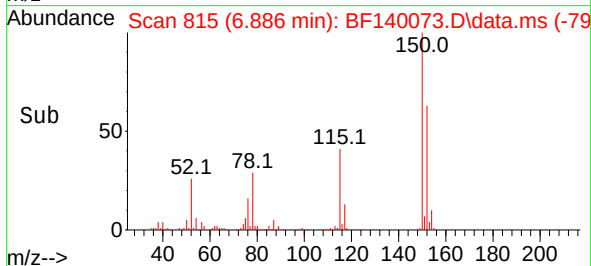
Tgt Ion:152 Resp: 132962
Ion Ratio Lower Upper
152 100
150 158.2 130.2 195.2
115 64.3 51.4 77.2

Manual Integrations

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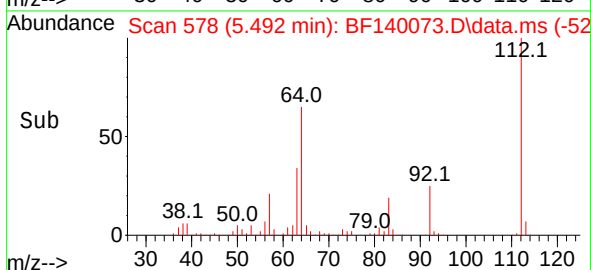
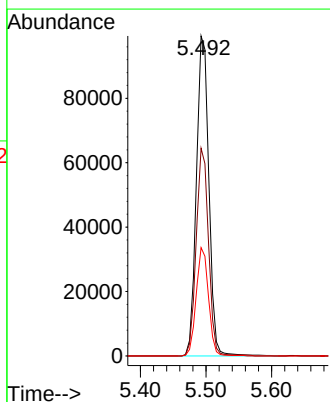
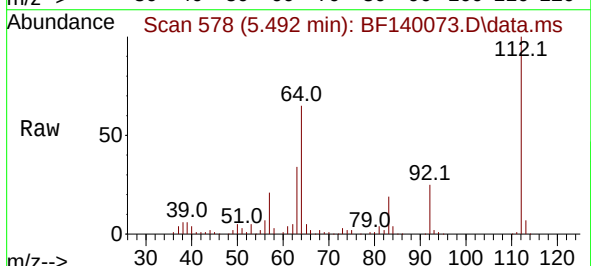
Reviewed By :Yogesh Patel 10/29/2024

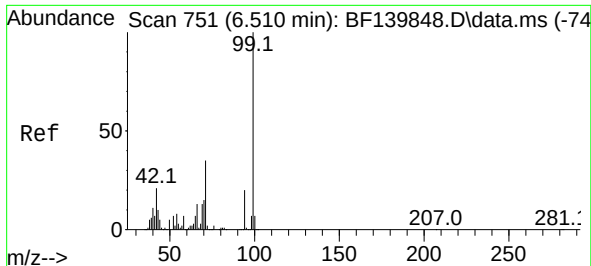
Supervised By :mohammad ahmed 10/29/2024



#5
2-Fluorophenol
Concen: 15.502 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

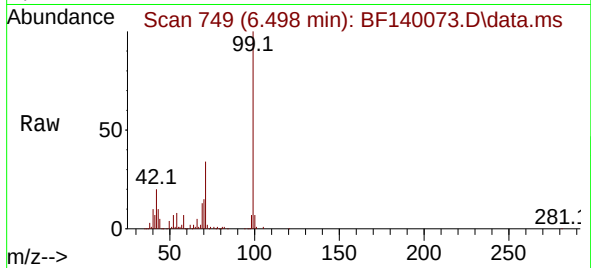
Tgt Ion:112 Resp: 131661
Ion Ratio Lower Upper
112 100
64 64.9 53.0 79.6
63 33.8 27.0 40.4





#7
Phenol-d6
Concen: 14.696 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

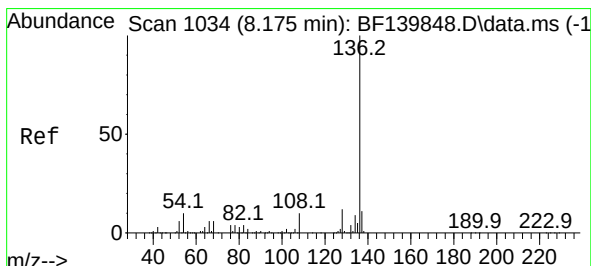
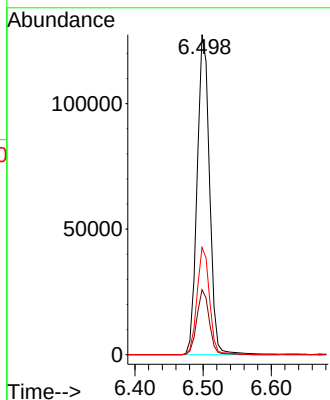
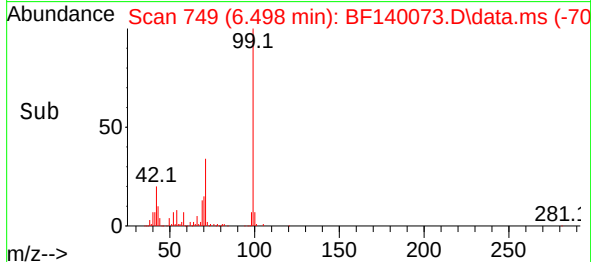
Instrument :
BNA_F
ClientSampleId :
OR-03-102424



Tgt Ion: 99 Resp: 161654
Ion Ratio Lower Upper
99 100
42 20.3 16.7 25.1
71 33.5 27.7 41.5

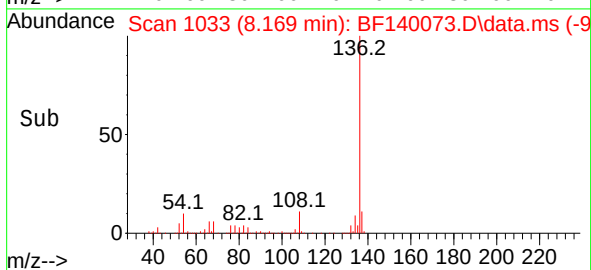
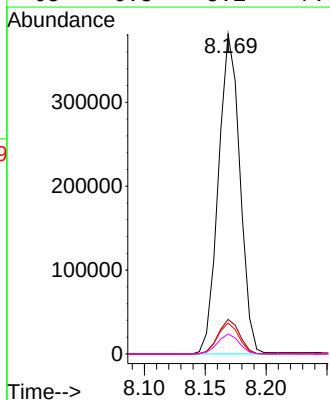
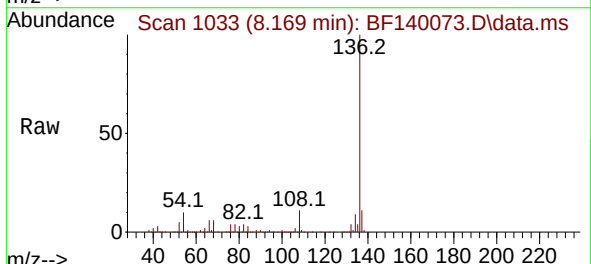
Manual Integrations
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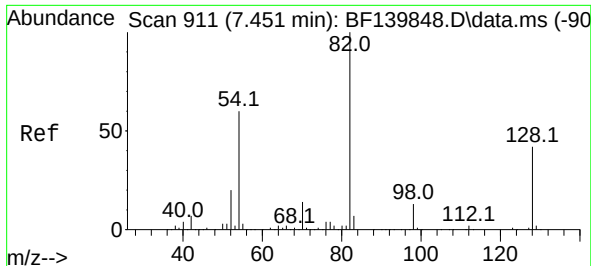
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

Tgt Ion:136 Resp: 469517
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.6 8.4 12.6
68 6.3 5.1 7.7





#23

Nitrobenzene-d5

Concen: 11.456 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

Instrument :

BNA_F

ClientSampleId :

OR-03-102424

Tgt Ion: 82 Resp: 97049

Ion Ratio Lower Upper

82 100

128 45.1 33.4 50.0

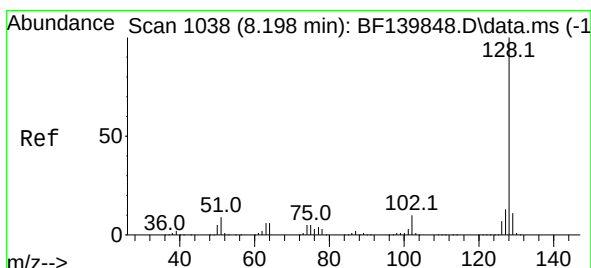
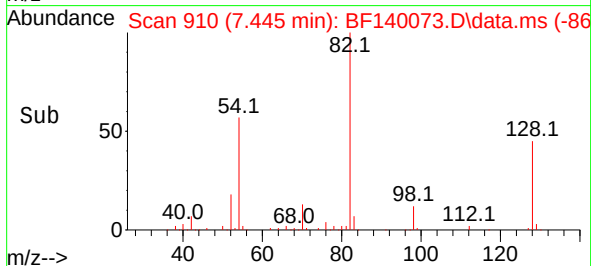
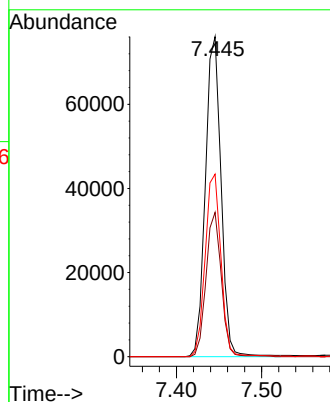
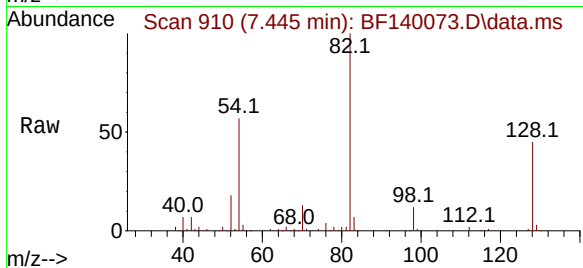
54 57.0 47.8 71.8

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#31

Naphthalene

Concen: 2.472 ng

RT: 8.192 min Scan# 1037

Delta R.T. -0.006 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

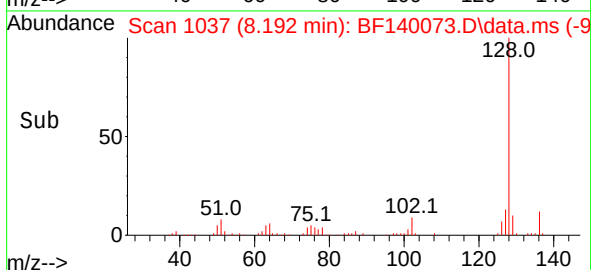
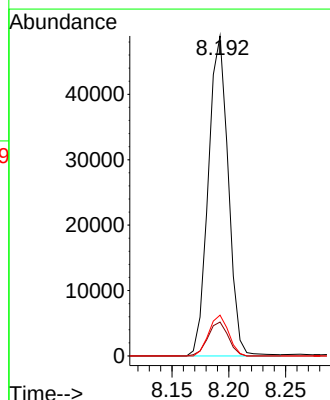
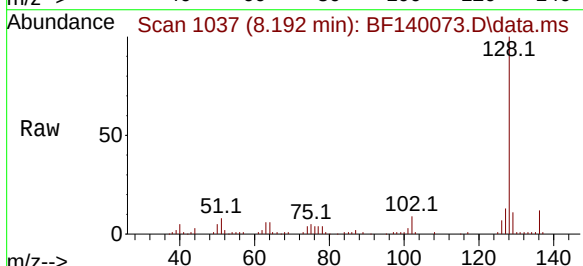
Tgt Ion:128 Resp: 59851

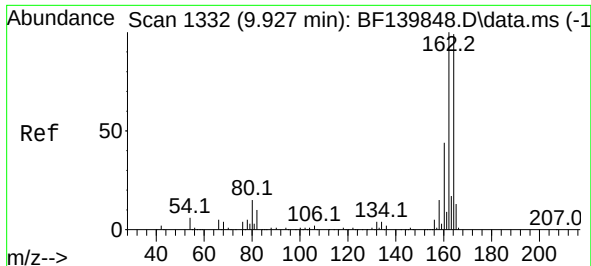
Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

127 12.8 10.6 16.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 14

Delta R.T. -0.005 min

Lab File: BF140073.D

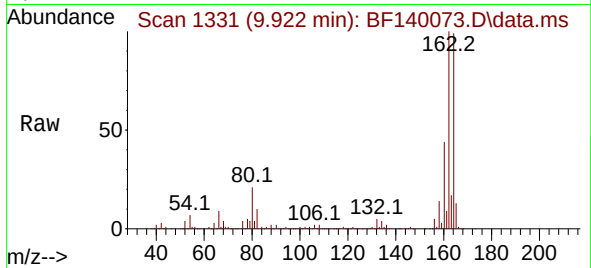
Acq: 26 Oct 2024 21:29

Instrument :

BNA_F

ClientSampleId :

OR-03-102424



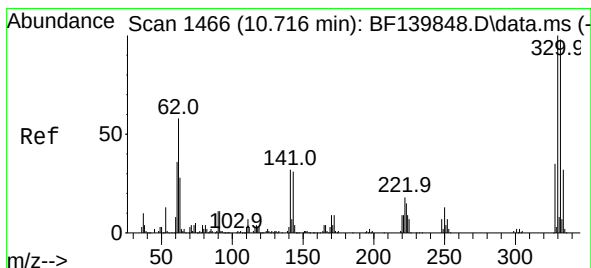
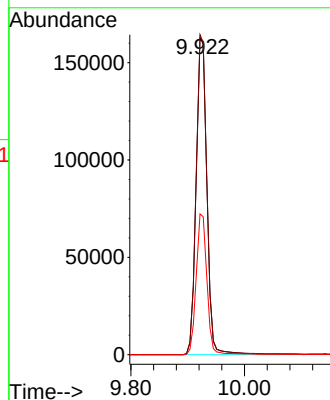
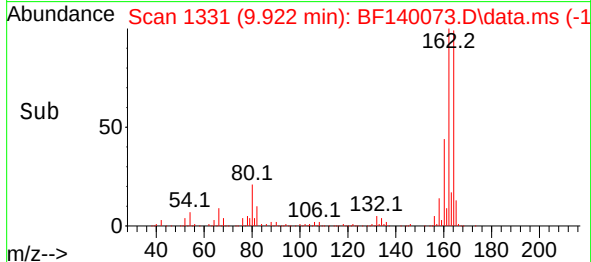
Tgt Ion:164	Resp: 21595
Ion Ratio	Lower Upper
164	100
162	100.9 81.0 121.4
160	44.4 35.4 53.0

Manual Integrations

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Supervised By :mohammad ahmed 10/29/2024



#42

2,4,6-Tribromophenol

Concen: 13.932 ng

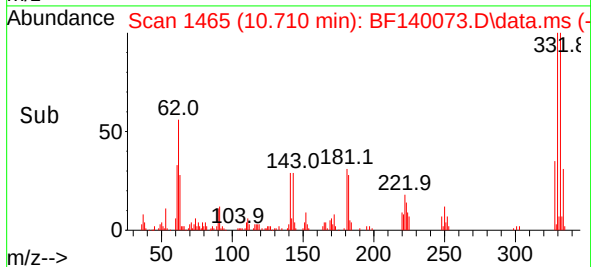
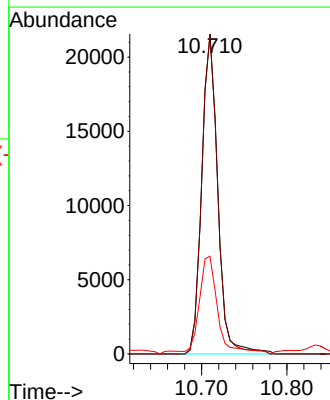
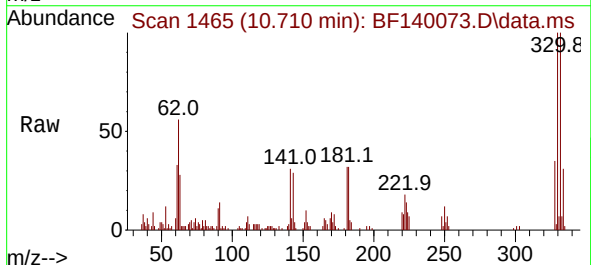
RT: 10.710 min Scan# 1465

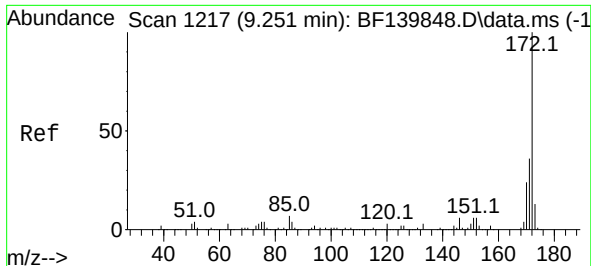
Delta R.T. -0.006 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

Tgt Ion:330	Resp: 28143
Ion Ratio	Lower Upper
330	100
332	99.1 78.1 117.1
141	35.1 26.6 39.8





#45

2-Fluorobiphenyl

Concen: 13.446 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF140073.D

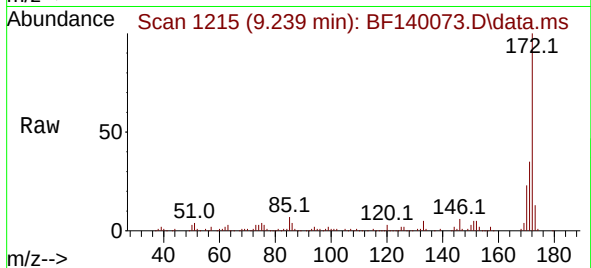
Acq: 26 Oct 2024 21:29

Instrument :

BNA_F

ClientSampleId :

OR-03-102424



Tgt Ion:172 Resp: 175709

Ion Ratio Lower Upper

172 100

171 35.0 28.6 43.0

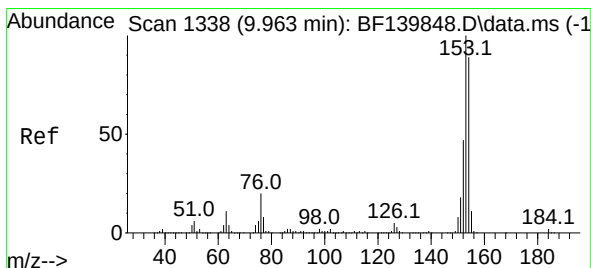
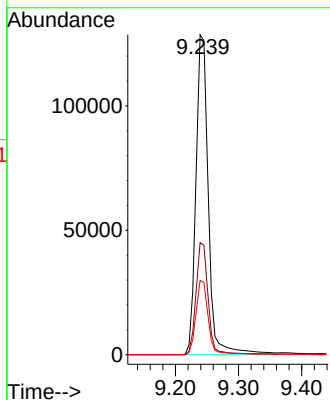
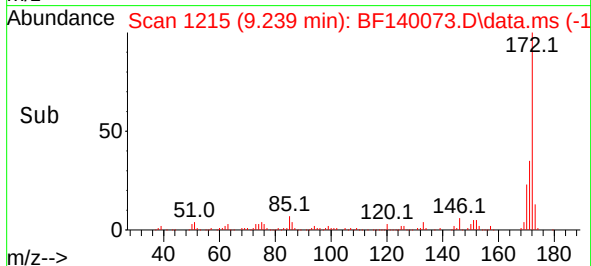
170 23.2 19.1 28.7

Manual Integrations

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Supervised By :mohammad ahmed 10/29/2024



#52

Acenaphthene

Concen: 2.772 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

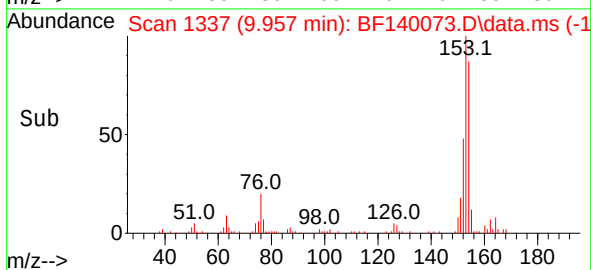
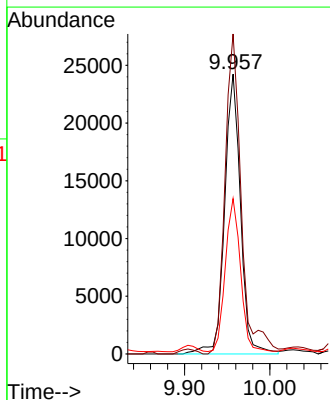
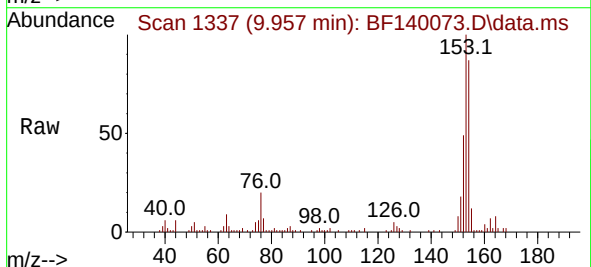
Tgt Ion:154 Resp: 31396

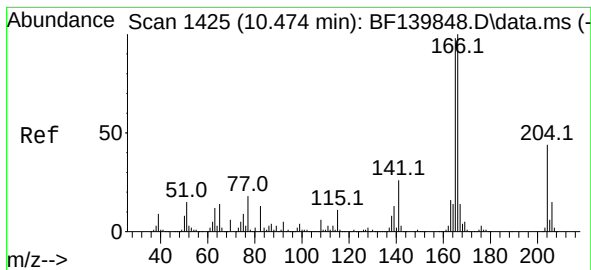
Ion Ratio Lower Upper

154 100

153 114.4 89.8 134.6

152 55.5 42.4 63.6





#58

Fluorene

Concen: 3.334 ng

RT: 10.469 min Scan# 1425

Delta R.T. -0.006 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

Instrument :

BNA_F

ClientSampleId :

OR-03-102424

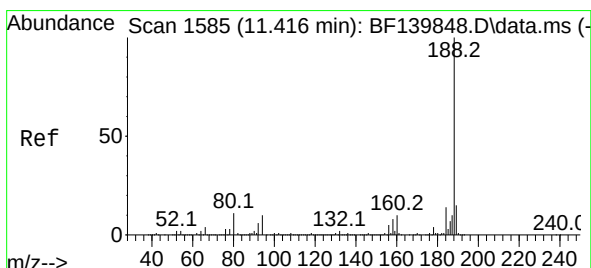
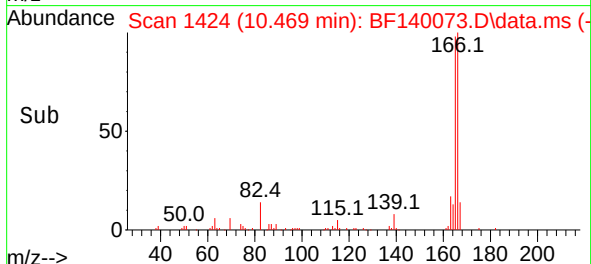
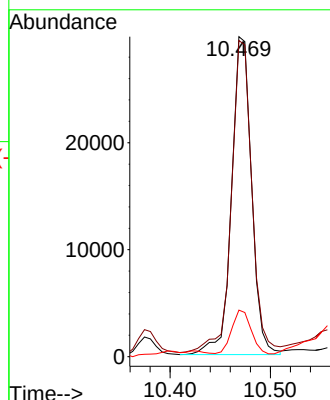
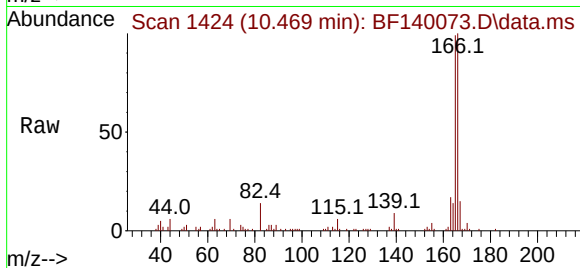
Tgt Ion:166 Resp: 41253
 Ion Ratio Lower Upper
 166 100
 165 98.8 78.5 117.7
 167 14.5 10.9 16.3

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.000 ng

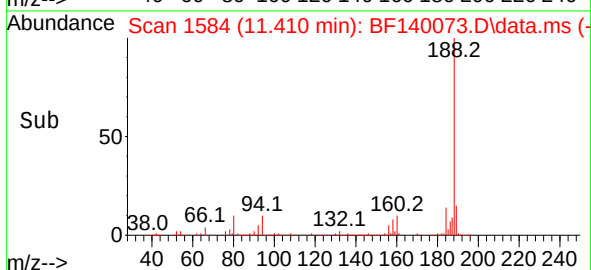
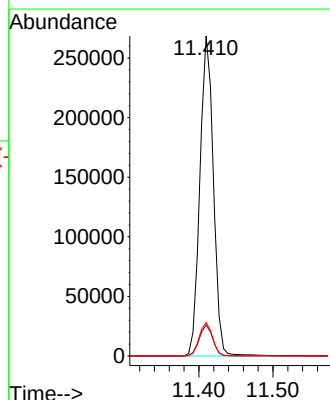
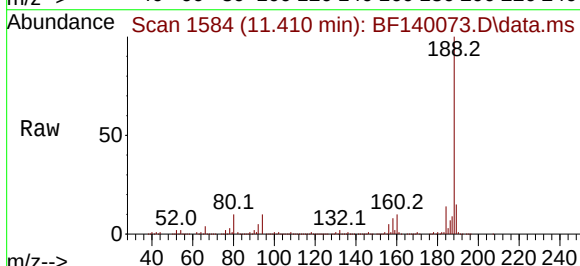
RT: 11.410 min Scan# 1584

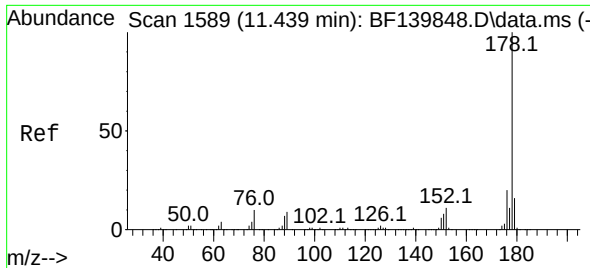
Delta R.T. -0.006 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

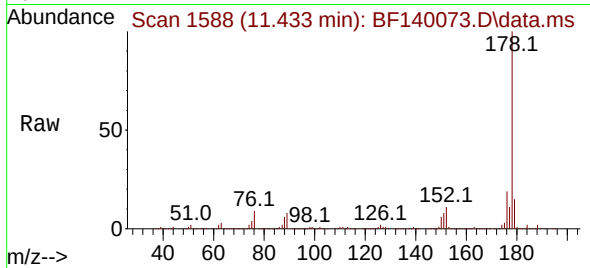
Tgt Ion:188 Resp: 339379
 Ion Ratio Lower Upper
 188 100
 94 9.7 7.9 11.9
 80 10.4 9.0 13.4





#71
Phenanthrene
Concen: 20.613 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

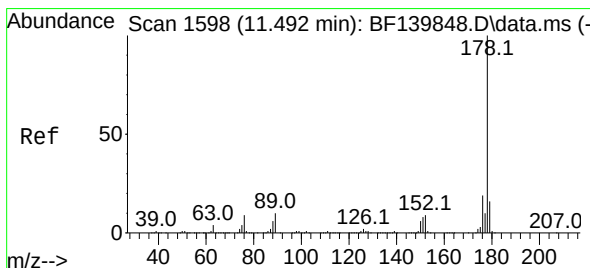
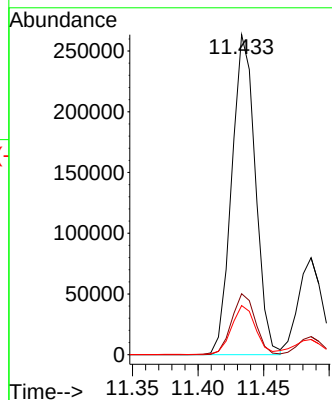
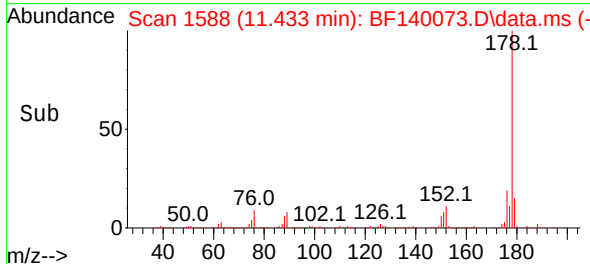
Instrument :
BNA_F
ClientSampleId :
OR-03-102424



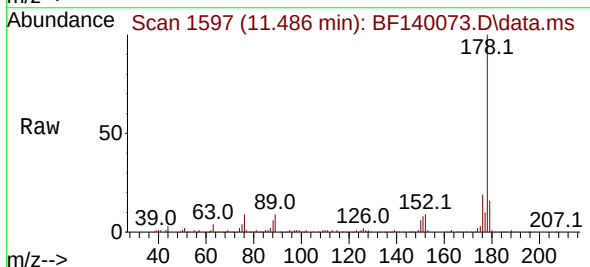
Tgt Ion:178 Resp: 33045
Ion Ratio Lower Upper
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176 19.1 15.8 23.6
179 15.4 12.6 18.8

Manual Integrations
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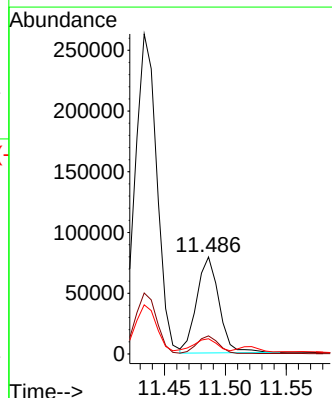
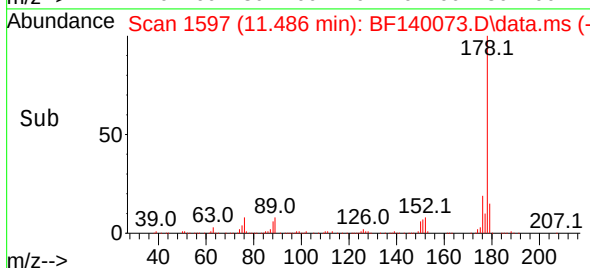
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

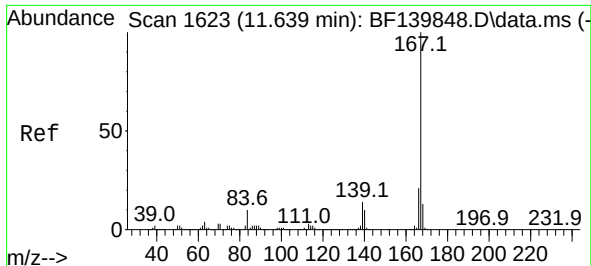


#72
Anthracene
Concen: 6.451 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29



Tgt Ion:178 Resp: 100908
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.7 12.4 18.6





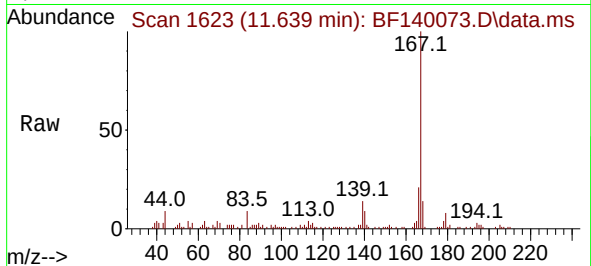
#73
 Carbazole
 Concen: 2.450 ng
 RT: 11.639 min Scan# 1623
 Delta R.T. -0.000 min
 Lab File: BF140073.D
 Acq: 26 Oct 2024 21:29

Instrument :

BNA_F

ClientSampleId :

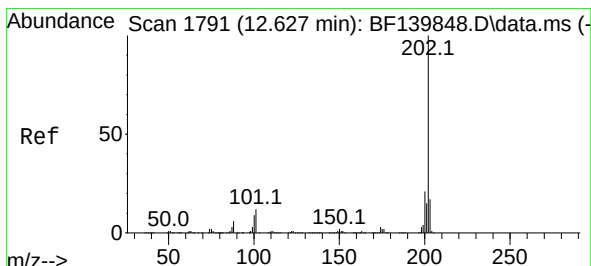
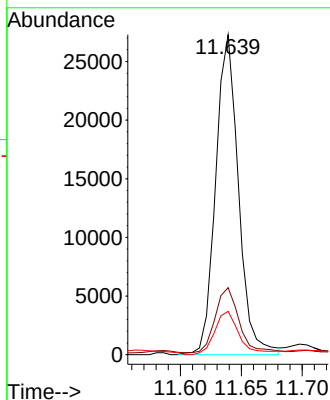
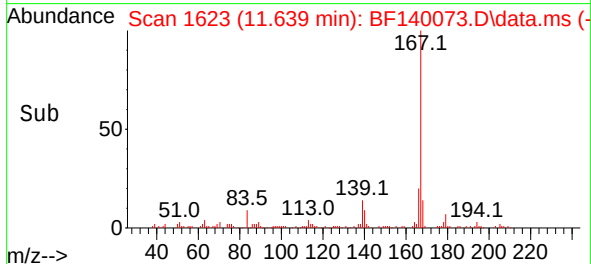
OR-03-102424



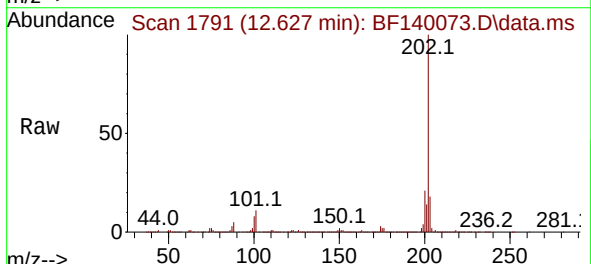
Tgt Ion:167 Resp: 3563
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.0 25.6
 139 13.5 10.8 16.2

Manual Integrations
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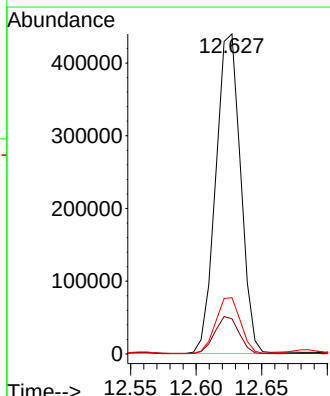
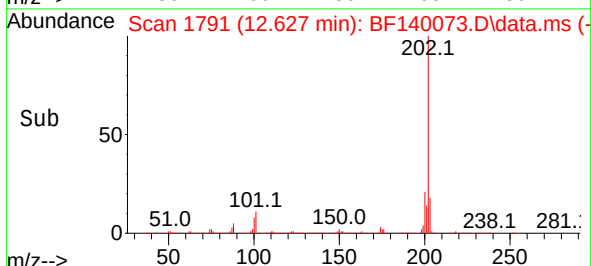
Reviewed By :Yogesh Patel 10/29/2024
 Supervised By :mohammad ahmed 10/29/2024

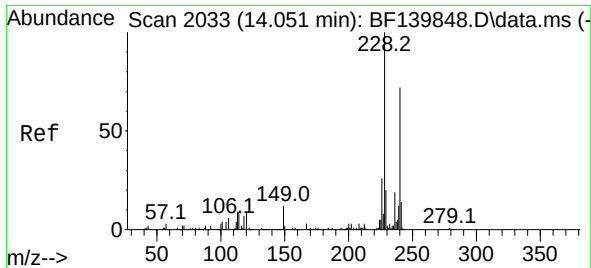


#75
 Fluoranthene
 Concen: 35.638 ng
 RT: 12.627 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: BF140073.D
 Acq: 26 Oct 2024 21:29



Tgt Ion:202 Resp: 577538
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 31.9
 203 17.6 0.0 37.5





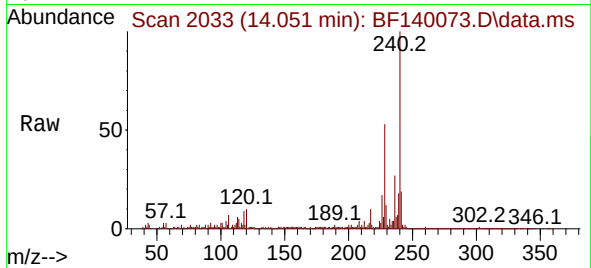
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

Instrument :

BNA_F

ClientSampleId :

OR-03-102424



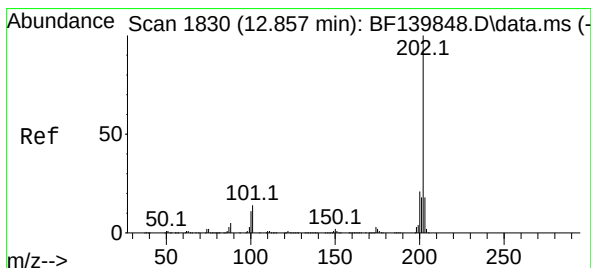
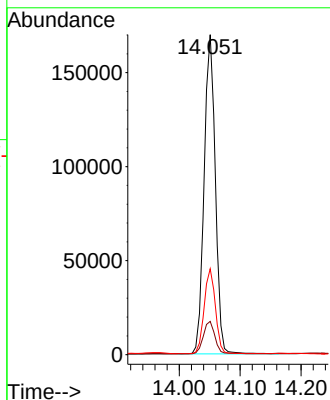
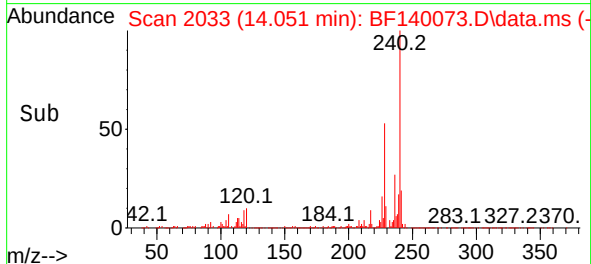
Tgt Ion:240 Resp: 217709
Ion Ratio Lower Upper
240 100
120 10.4 9.4 14.2
236 26.8 20.9 31.3

Manual Integrations

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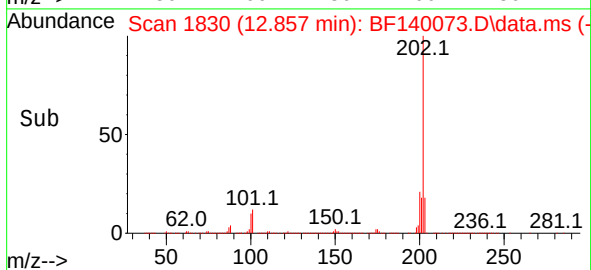
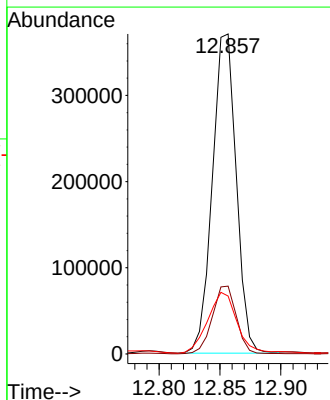
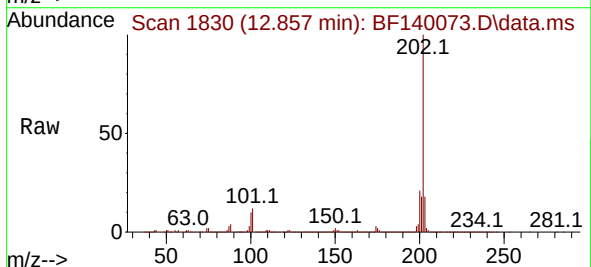
Reviewed By :Yogesh Patel 10/29/2024

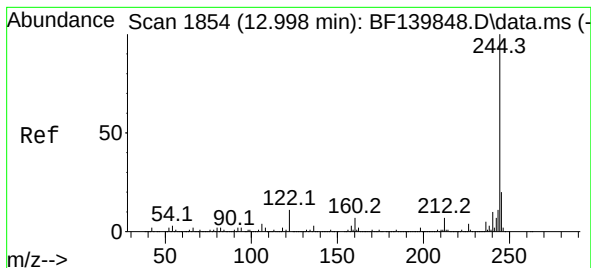
Supervised By :mohammad ahmed 10/29/2024



#78
Pyrene
Concen: 26.520 ng
RT: 12.857 min Scan# 1830
Delta R.T. -0.000 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

Tgt Ion:202 Resp: 505383
Ion Ratio Lower Upper
202 100
200 21.2 17.2 25.8
203 18.1 14.2 21.4





#79

Terphenyl-d14

Concen: 11.512 ng

RT: 12.992 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140073.D

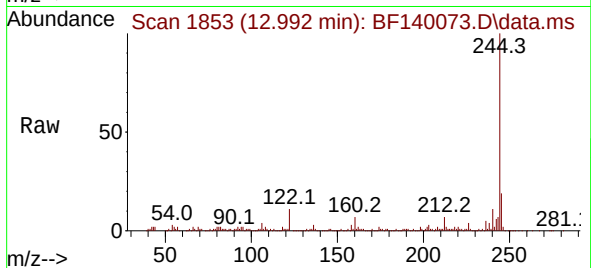
Acq: 26 Oct 2024 21:29

Instrument :

BNA_F

ClientSampleId :

OR-03-102424



Tgt Ion:244 Resp: 153809

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

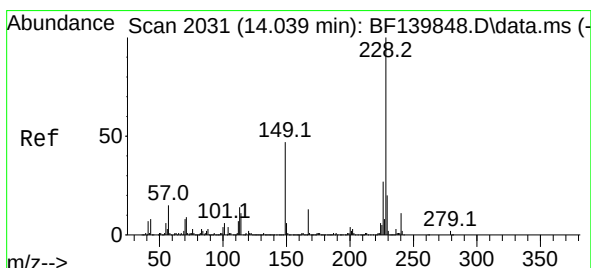
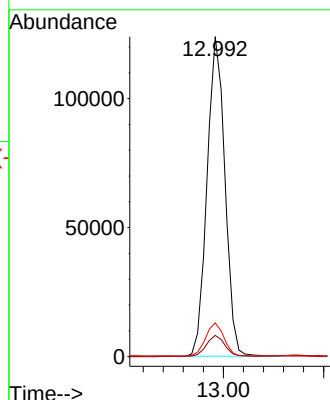
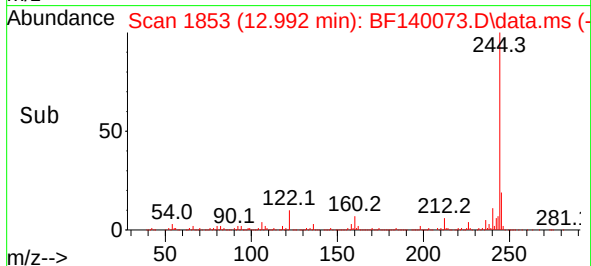
122 10.6 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#81

Benzo(a)anthracene

Concen: 17.365 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

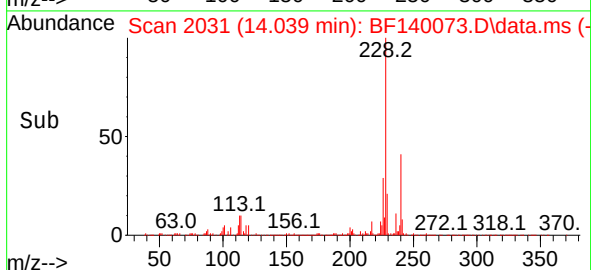
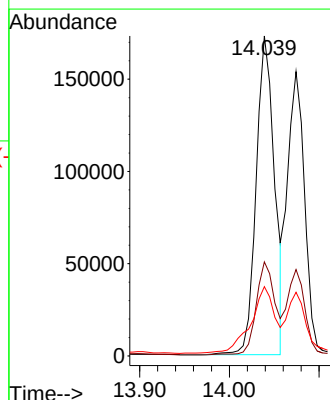
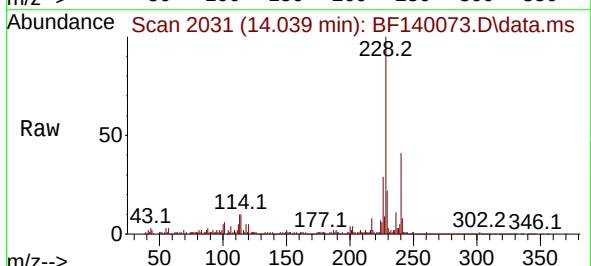
Tgt Ion:228 Resp: 246099

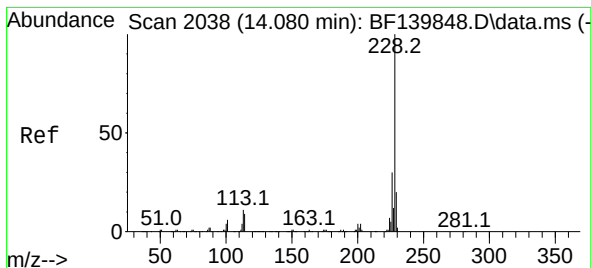
Ion Ratio Lower Upper

228 100

226 29.4 21.6 32.4

229 21.6 16.1 24.1





#83

Chrysene

Concen: 15.623 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

Instrument :

BNA_F

ClientSampleId :

OR-03-102424

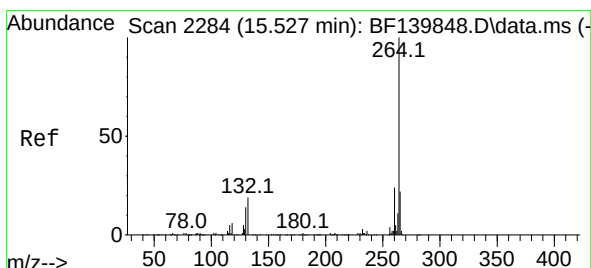
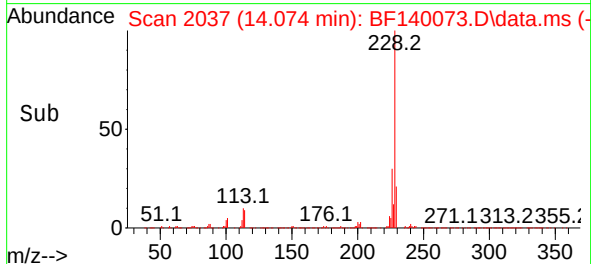
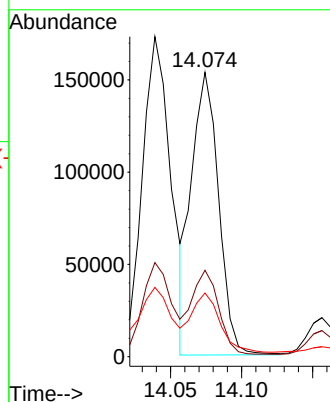
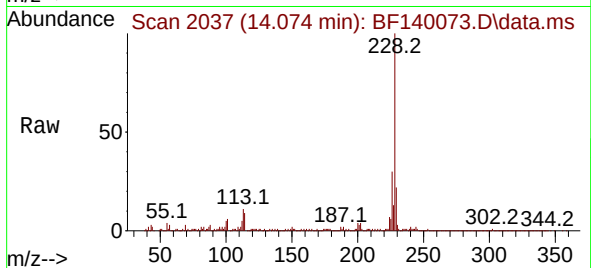
Tgt Ion:228 Resp: 202998
 Ion Ratio Lower Upper
 228 100
 226 30.4 24.1 36.1
 229 22.4 15.8 23.6

Manual Integrations

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Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#86

Perylene-d12

Concen: 20.000 ng

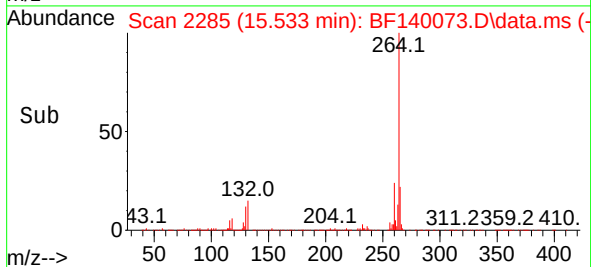
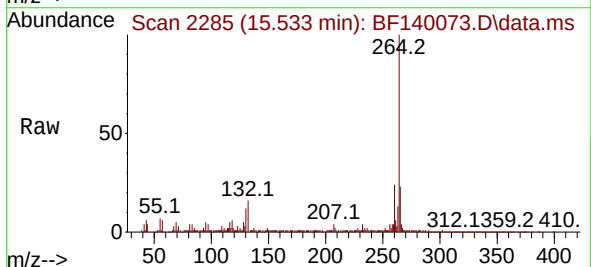
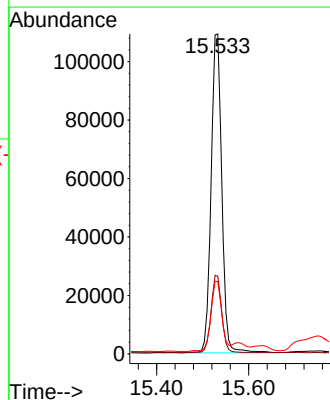
RT: 15.533 min Scan# 2285

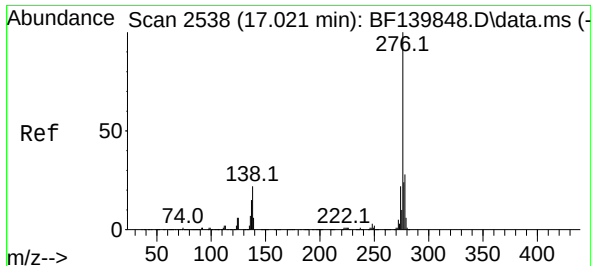
Delta R.T. 0.006 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

Tgt Ion:264 Resp: 176277
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.4 29.2
 265 22.6 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.229 ng m
RT: 17.021 min Scan# 2538
Delta R.T. -0.000 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

Instrument :

BNA_F

ClientSampleId :

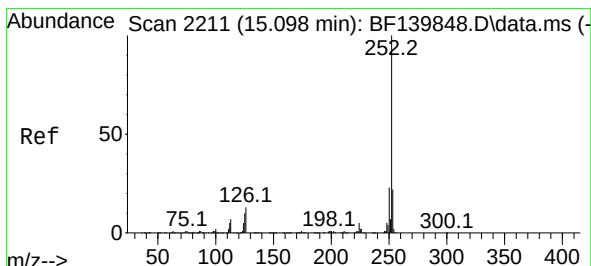
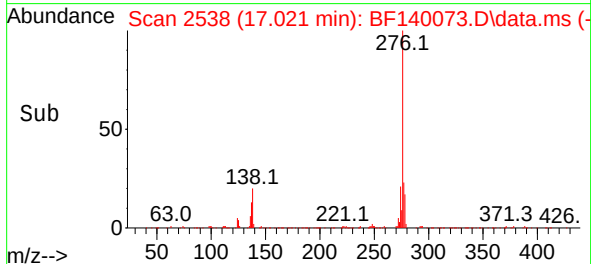
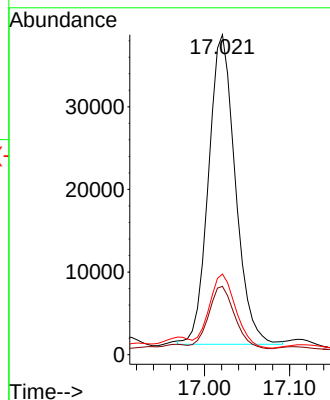
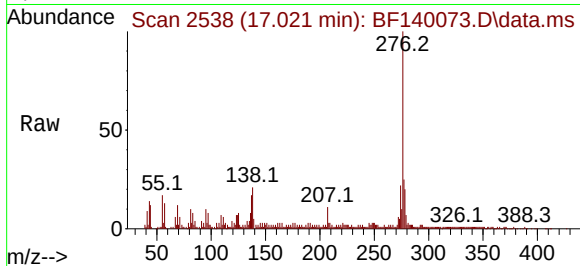
OR-03-102424

Tgt Ion:276 Resp: 81980
Ion Ratio Lower Upper
276 100
138 4.6 20.4 30.6
277 4.3 20.2 30.4

Manual Integrations

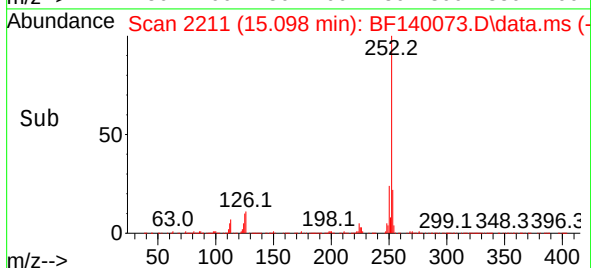
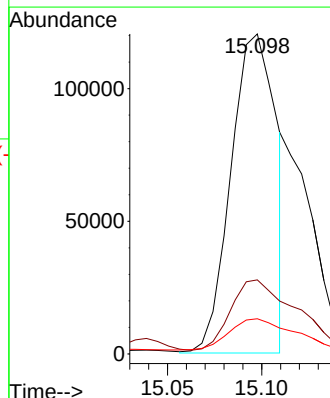
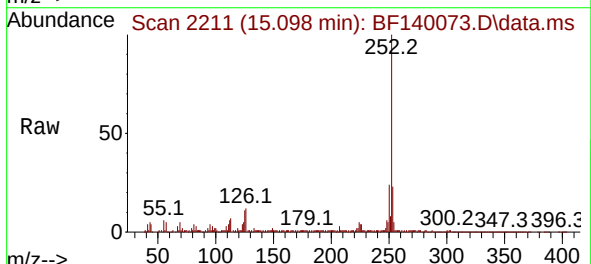
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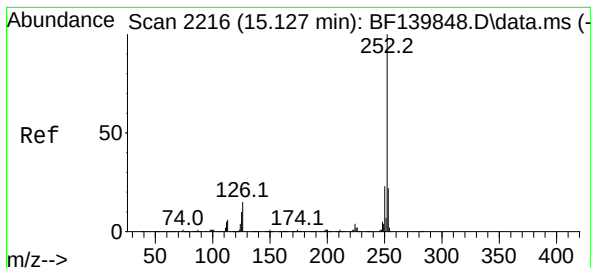
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#88
Benzo(b)fluoranthene
Concen: 18.771 ng m
RT: 15.098 min Scan# 2211
Delta R.T. -0.000 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

Tgt Ion:252 Resp: 201561
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 11.0 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 9.169 ng m

RT: 15.109 min Scan# 2216

Delta R.T. -0.018 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

Instrument :

BNA_F

ClientSampleId :

OR-03-102424

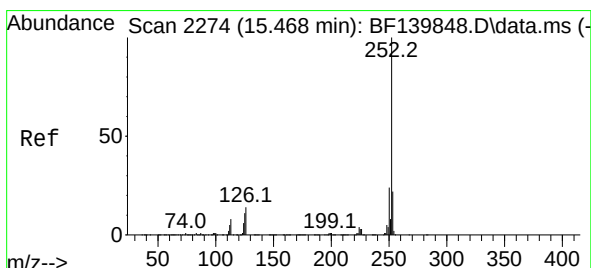
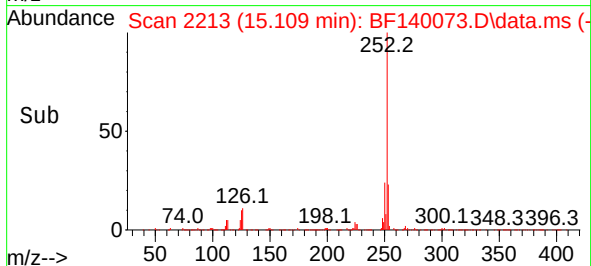
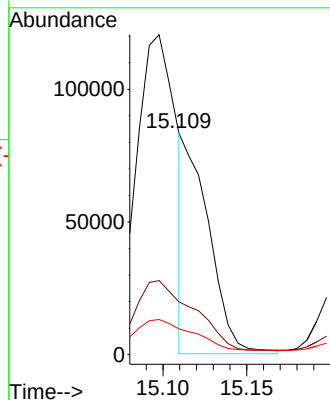
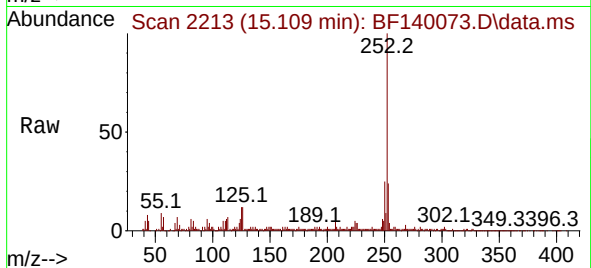
Tgt Ion:252 Resp: 84914
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.6 26.4
 125 11.7 7.9 11.9

Manual Integrations

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Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#90

Benzo(a)pyrene

Concen: 16.606 ng

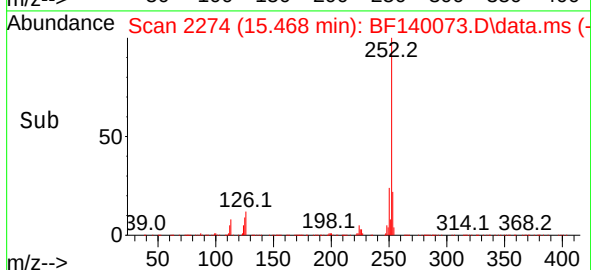
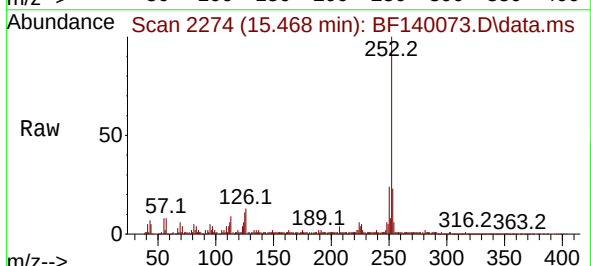
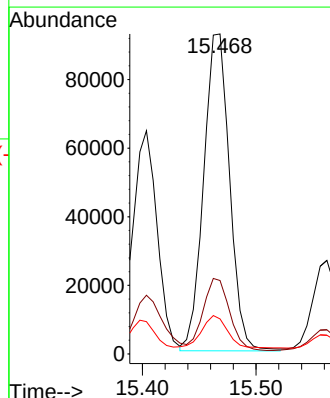
RT: 15.468 min Scan# 2274

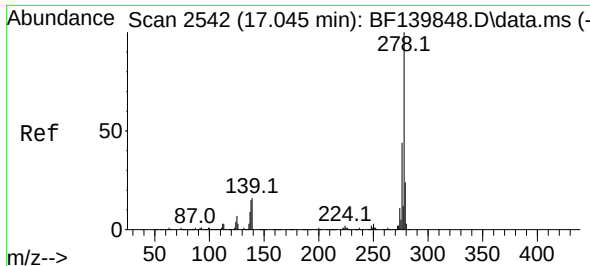
Delta R.T. -0.000 min

Lab File: BF140073.D

Acq: 26 Oct 2024 21:29

Tgt Ion:252 Resp: 146725
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.3 25.9
 125 11.0 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 2.150 ng
RT: 17.033 min Scan# 2542
Delta R.T. -0.012 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

Instrument :

BNA_F

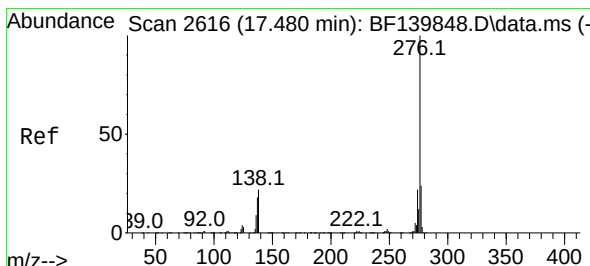
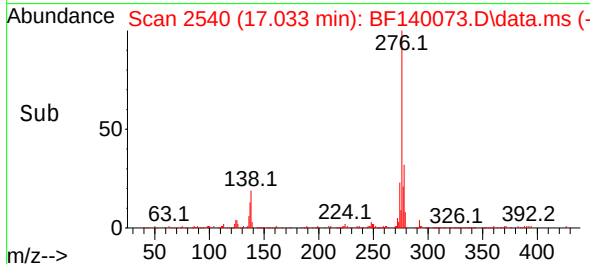
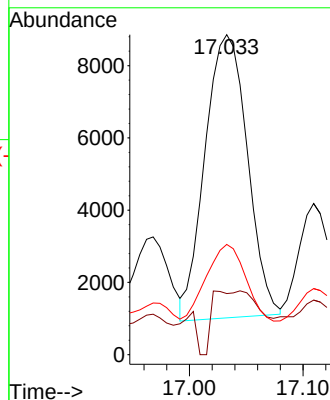
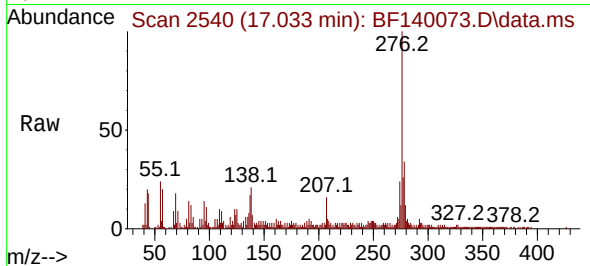
ClientSampleId :

OR-03-102424

Tgt Ion:278 Resp: 2034
Ion Ratio Lower Upper
278 100
139 19.1 13.1 19.7
279 34.5 19.0 28.4

Manual Integrations
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Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#92
Benzo(g,h,i)perylene
Concen: 8.476 ng
RT: 17.474 min Scan# 2615
Delta R.T. -0.006 min
Lab File: BF140073.D
Acq: 26 Oct 2024 21:29

Tgt Ion:276 Resp: 80096
Ion Ratio Lower Upper
276 100
277 23.8 19.0 28.6
138 21.1 17.4 26.0

