

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
 Data File : BF140888.D
 Acq On : 17 Dec 2024 16:30
 Operator : RC/JU
 Sample : P5268-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-12122024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024

Quant Time: Dec 17 16:53:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	44357	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	154055	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	78262	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	145516	20.000	ng	0.00
76) Chrysene-d12	14.027	240	139883	20.000	ng	0.00
86) Perylene-d12	15.516	264	145010	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	201891	74.926	ng	0.00
7) Phenol-d6	6.498	99	257512	72.154	ng	0.00
23) Nitrobenzene-d5	7.410	82	166594	54.103	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	63127	68.200	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	326886	57.425	ng	0.00
79) Terphenyl-d14	12.957	244	450017	50.729	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.151	128	21588	2.551	ng	99
38) 1-Methylnaphthalene	8.940	142	14704	2.656	ng	98
49) Acenaphthylene	9.745	152	107763	15.403	ng	98
52) Acenaphthene	9.916	154	32591	7.292	ng	98
55) Dibenzofuran	10.086	168	35835	5.175	ng	# 98
58) Fluorene	10.434	166	87848	15.376	ng	97
71) Phenanthrene	11.398	178	679762	90.840	ng	99
72) Anthracene	11.451	178	199121	27.020	ng	99
73) Carbazole	11.610	167	52617	7.290	ng	98
75) Fluoranthene	12.592	202	950541	110.298	ng	99
78) Pyrene	12.822	202	993230	79.847	ng	99
81) Benzo(a)anthracene	14.016	228	440866	44.469	ng	92
83) Chrysene	14.051	228	350343	38.862	ng	97
87) Indeno(1,2,3-cd)pyrene	17.021	276	151015	16.688	ng	96
88) Benzo(b)fluoranthene	15.086	252	370763m	36.834	ng	
89) Benzo(k)fluoranthene	15.098	252	140595m	16.283	ng	
90) Benzo(a)pyrene	15.457	252	267741	33.969	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	45966	6.131	ng	# 89
92) Benzo(g,h,i)perylene	17.480	276	151194	19.816	ng	98

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

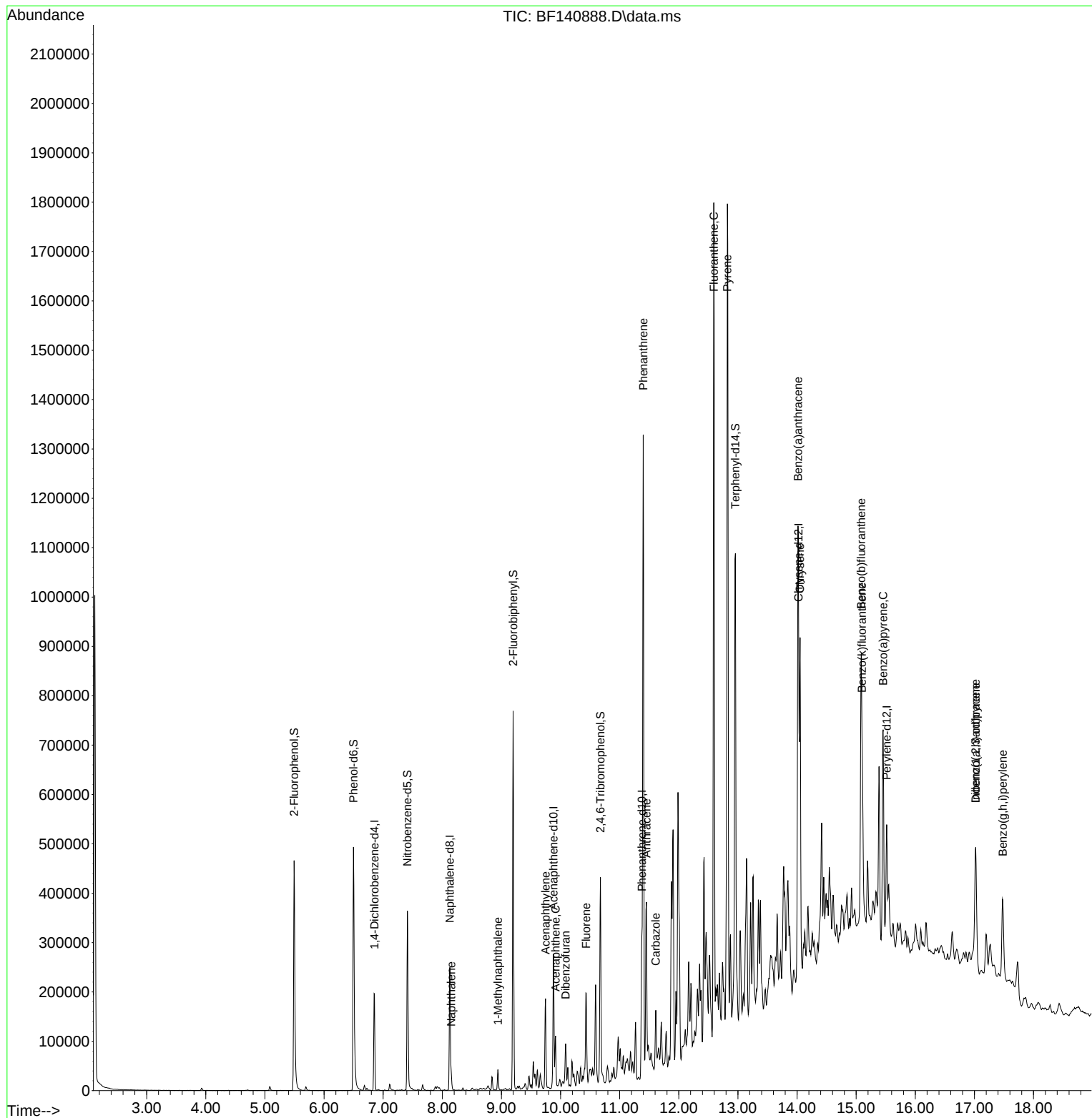
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
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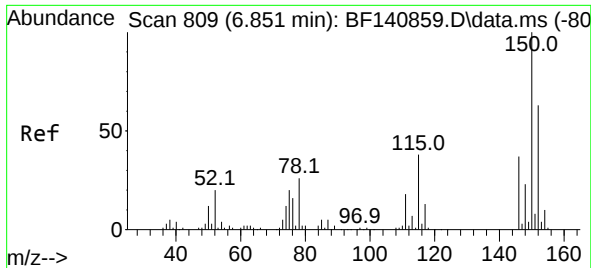
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
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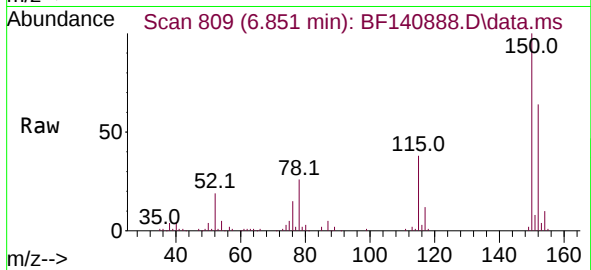
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30

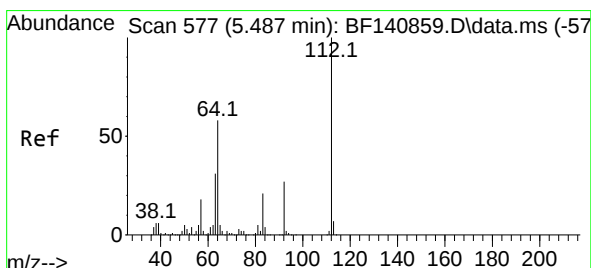
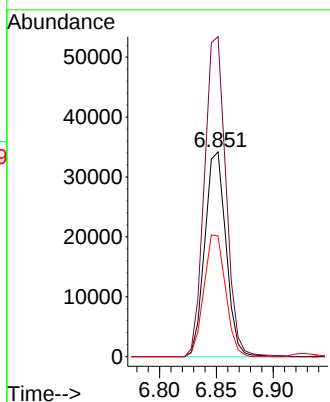
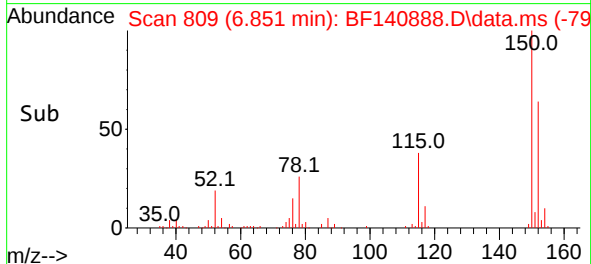
Instrument :
BNA_F
ClientSampleId :
OR-02-12122024



Tgt Ion:152 Resp: 4435
Ion Ratio Lower Upper
152 100
150 156.2 127.9 191.9
115 59.0 48.0 72.0

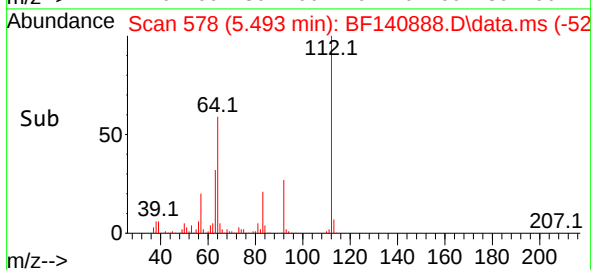
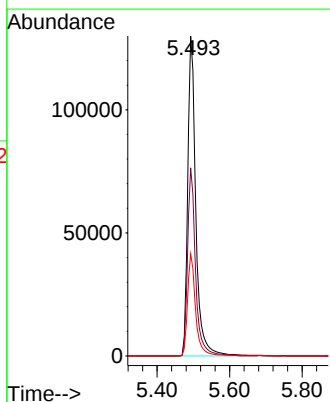
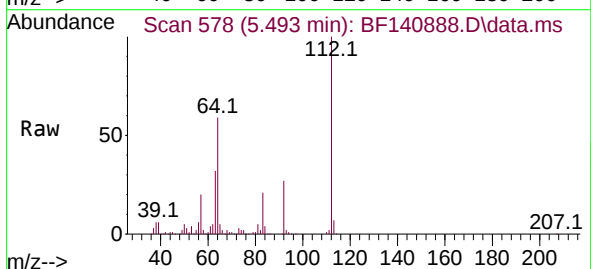
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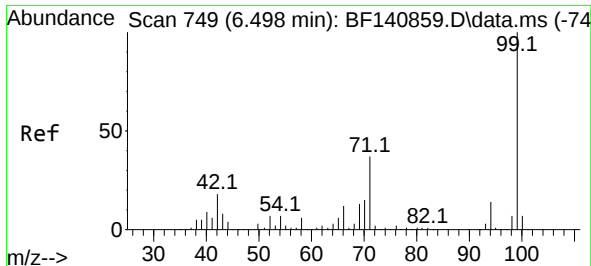
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#5
2-Fluorophenol
Concen: 74.926 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30

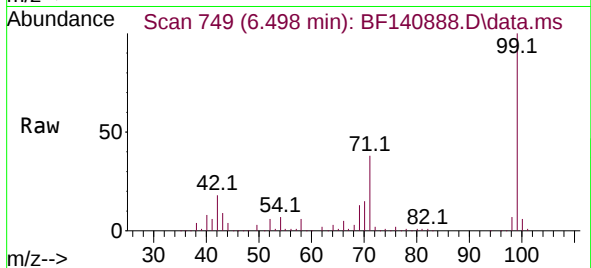
Tgt Ion:112 Resp: 201891
Ion Ratio Lower Upper
112 100
64 58.8 46.1 69.1
63 31.9 24.9 37.3





#7
Phenol-d6
Concen: 72.154 ng
RT: 6.498 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30

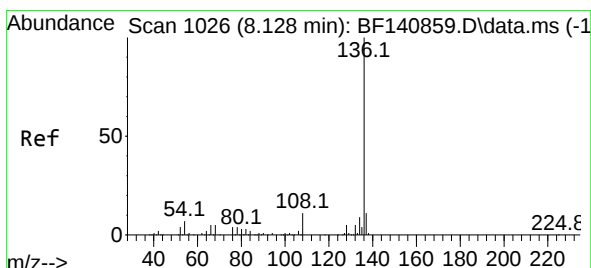
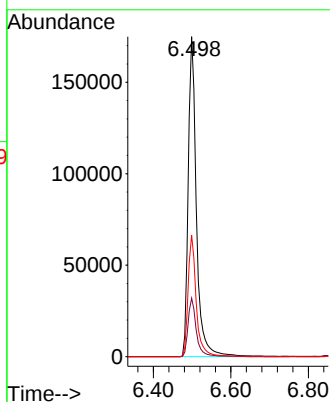
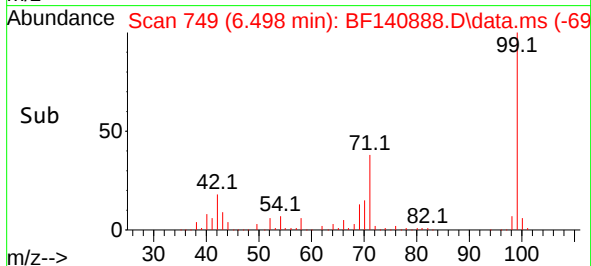
Instrument :
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ClientSampleId :
OR-02-12122024



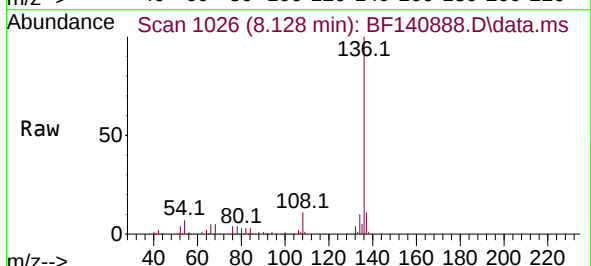
Tgt Ion: 99 Resp: 257512
Ion Ratio Lower Upper
99 100
42 18.3 14.3 21.5
71 38.0 29.9 44.9

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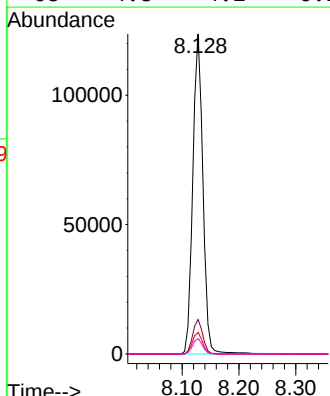
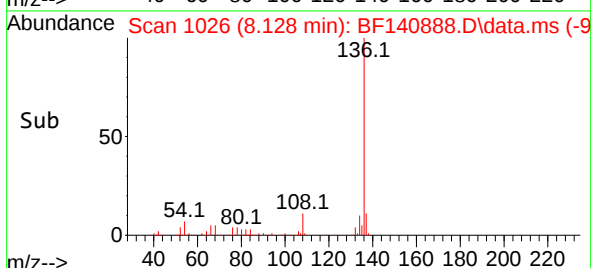
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

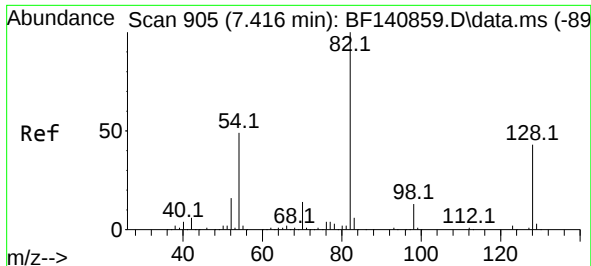


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30



Tgt Ion:136 Resp: 154055
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 6.7 5.6 8.4
68 4.8 4.2 6.2





#23

Nitrobenzene-d5

Concen: 54.103 ng

RT: 7.410 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140888.D

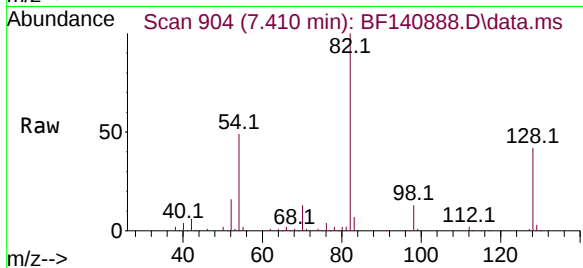
Acq: 17 Dec 2024 16:30

Instrument :

BNA_F

ClientSampleId :

OR-02-12122024



Tgt Ion: 82 Resp: 166594

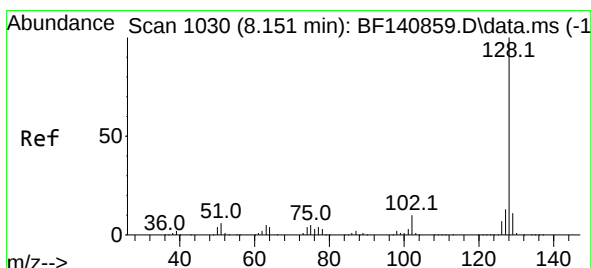
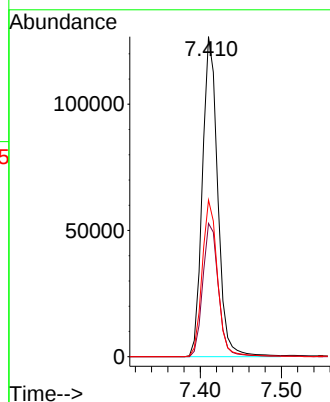
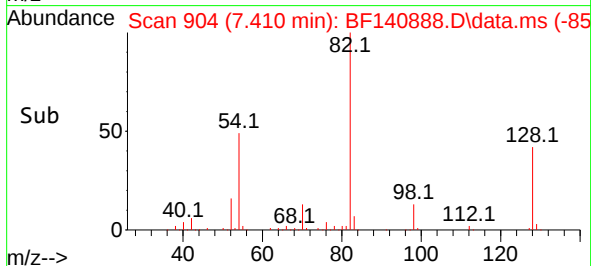
Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.4	51.6
54	48.9	38.8	58.2

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Supervised By :mohammad ahmed 12/18/2024



#31

Naphthalene

Concen: 2.551 ng

RT: 8.151 min Scan# 1030

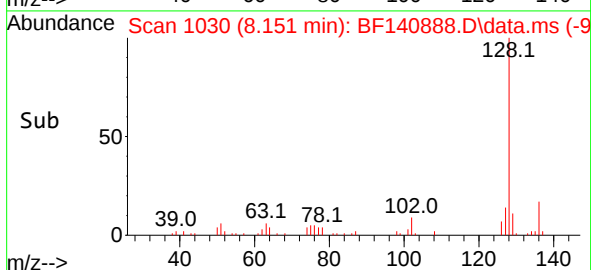
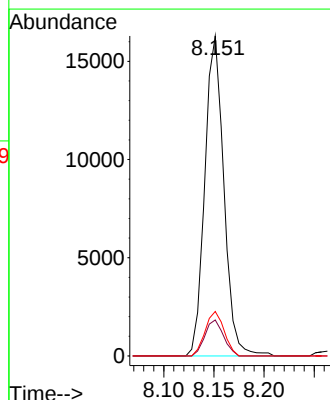
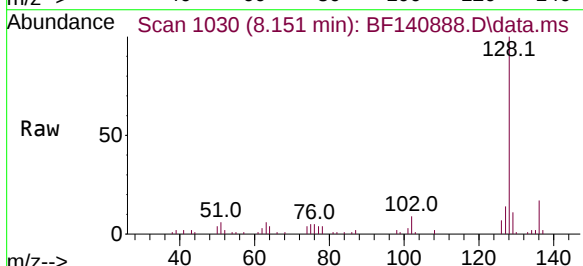
Delta R.T. 0.000 min

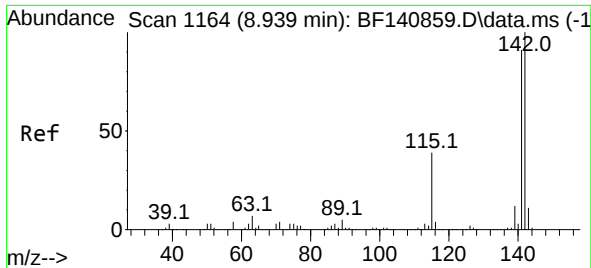
Lab File: BF140888.D

Acq: 17 Dec 2024 16:30

Tgt Ion:128 Resp: 21588

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.9	10.6	16.0





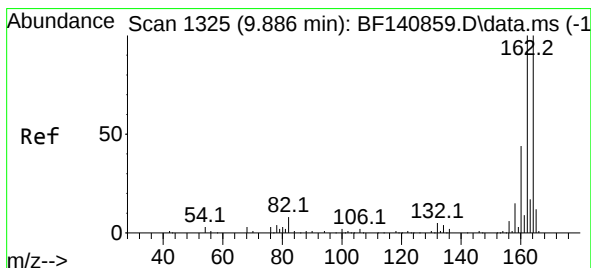
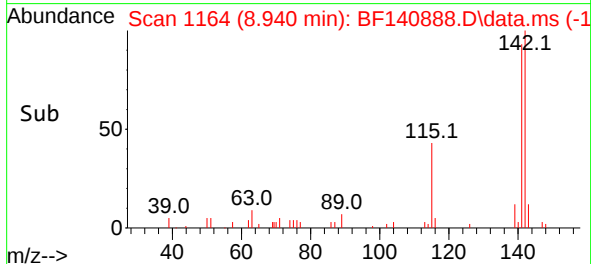
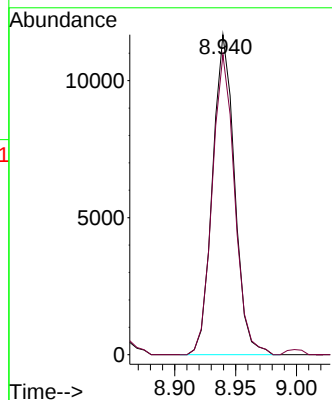
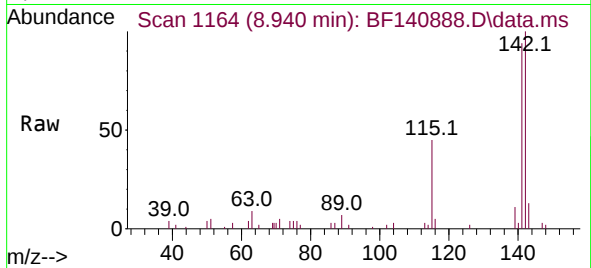
#38
1-Methylnaphthalene
Concen: 2.656 ng
RT: 8.940 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30

Instrument :
BNA_F
ClientSampleId :
OR-02-12122024

Tgt Ion:142 Resp: 14704
Ion Ratio Lower Upper
142 100
141 93.7 73.4 110.0

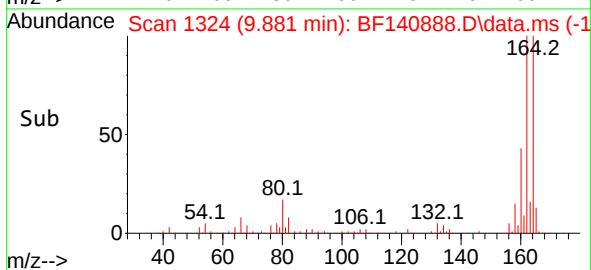
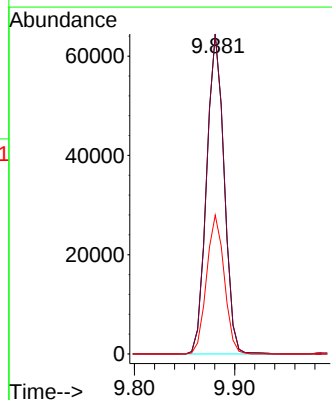
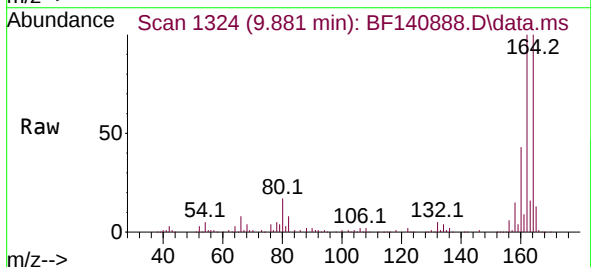
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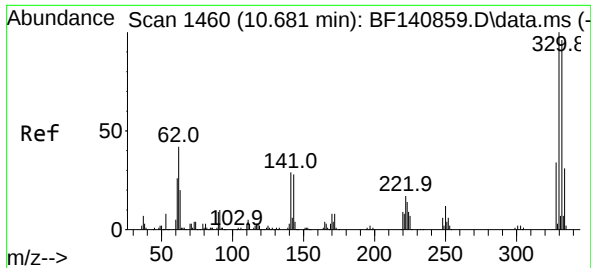
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30

Tgt Ion:164 Resp: 78262
Ion Ratio Lower Upper
164 100
162 99.8 79.9 119.9
160 43.4 35.2 52.8





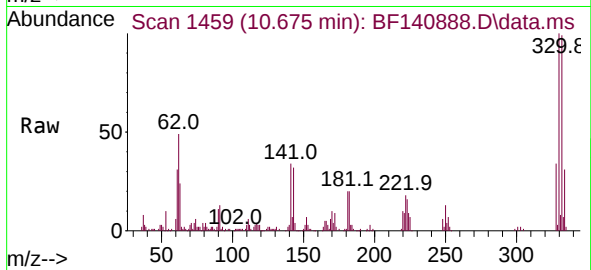
#42
2,4,6-Tribromophenol
Concen: 68.200 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30

Instrument :

BNA_F

ClientSampleId :

OR-02-12122024



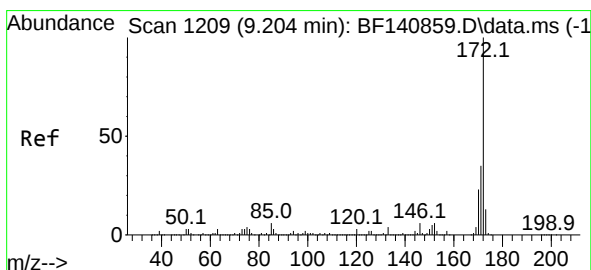
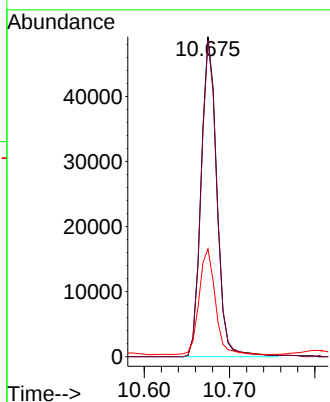
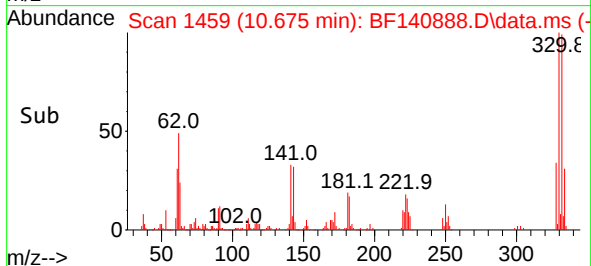
Tgt Ion: 330 Resp: 6312
Ion Ratio Lower Upper
330 100
332 99.0 76.2 114.4
141 34.4 24.9 37.3

Manual Integrations

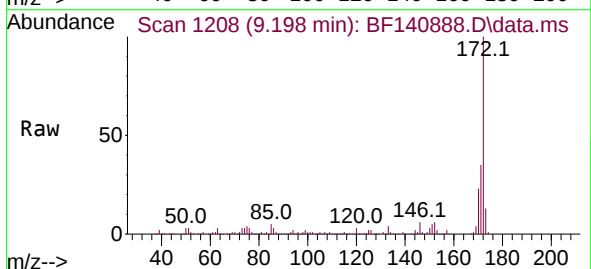
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Reviewed By : Yogesh Patel 12/18/2024

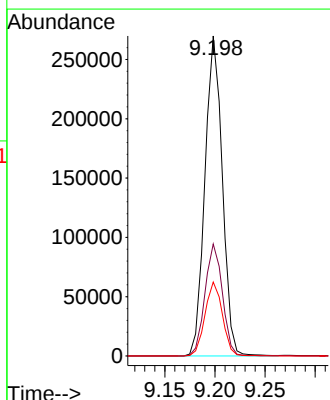
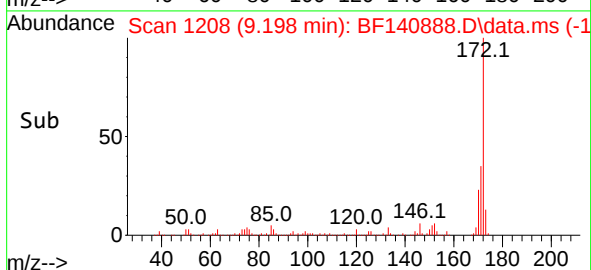
Supervised By : mohammad ahmed 12/18/2024

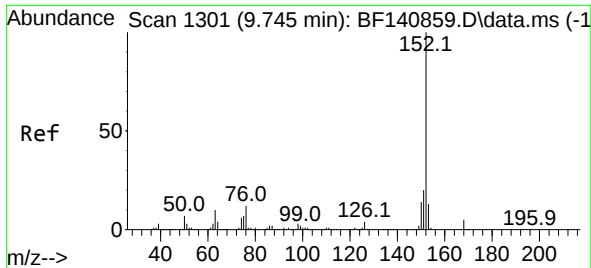


#45
2-Fluorobiphenyl
Concen: 57.425 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30



Tgt Ion: 172 Resp: 326886
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.1 18.6 28.0





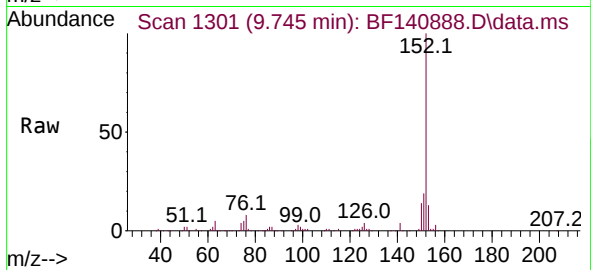
#49
Acenaphthylene
Concen: 15.403 ng
RT: 9.745 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30

Instrument :

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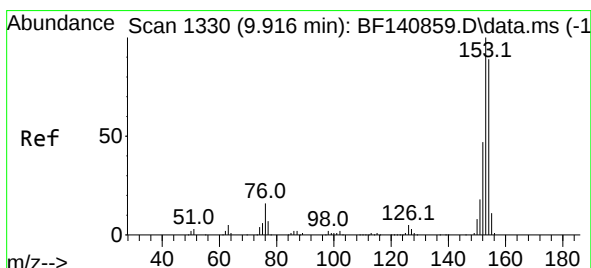
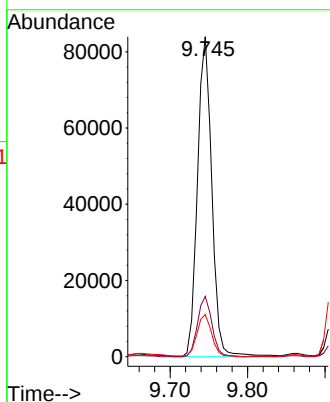
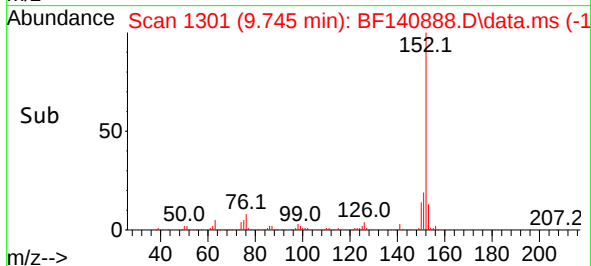
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Ion Ratio Lower Upper
152 100
151 18.9 16.0 24.0
153 13.2 10.6 16.0

Manual Integrations

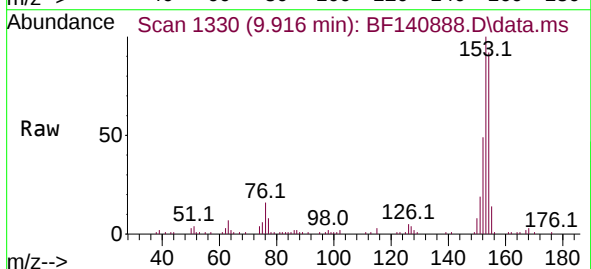
APPROVED

Reviewed By :Yogesh Patel 12/18/2024

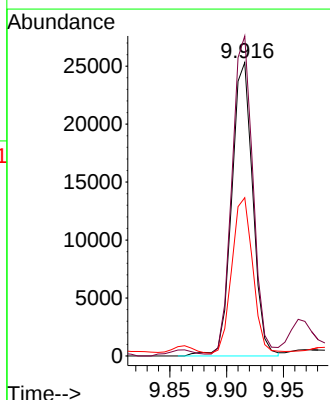
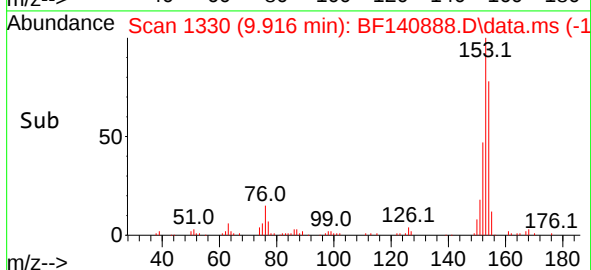
Supervised By :mohammad ahmed 12/18/2024

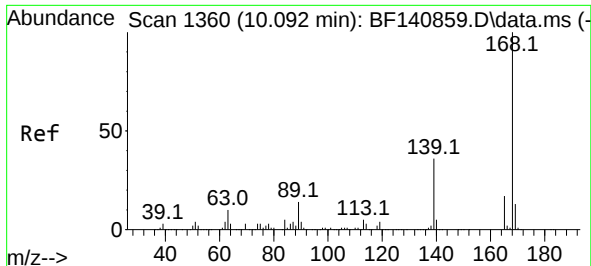


#52
Acenaphthene
Concen: 7.292 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30



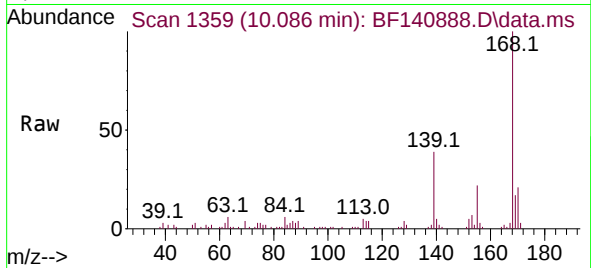
Tgt Ion:154 Resp: 32591
Ion Ratio Lower Upper
154 100
153 109.0 89.9 134.9
152 53.9 42.6 63.8





#55
Dibenzenofuran
Concen: 5.175 ng
RT: 10.086 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30

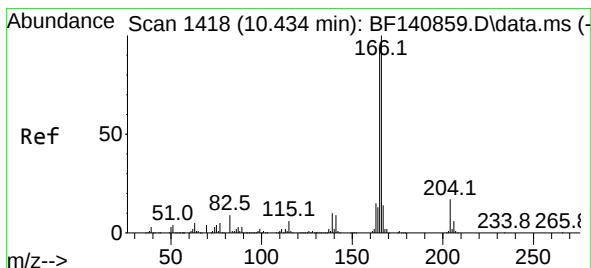
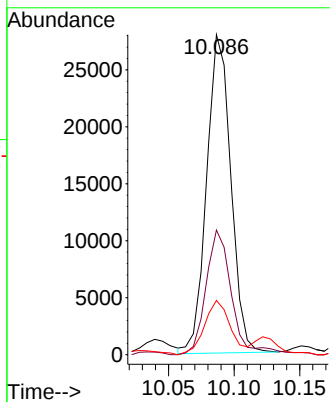
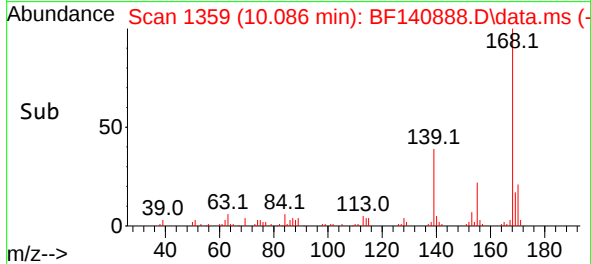
Instrument :
BNA_F
ClientSampleId :
OR-02-12122024



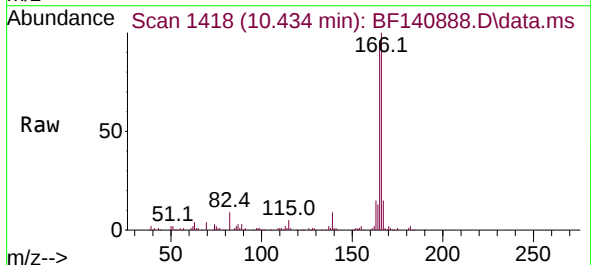
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Ion Ratio Lower Upper
168 100
139 38.9 31.1 46.7
169 17.0 10.6 16.0

Manual Integrations
APPROVED

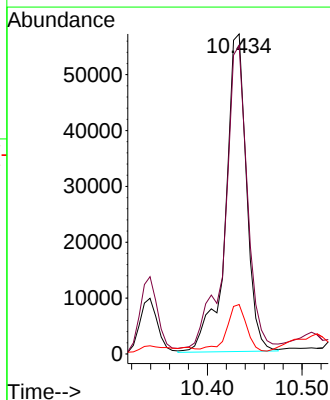
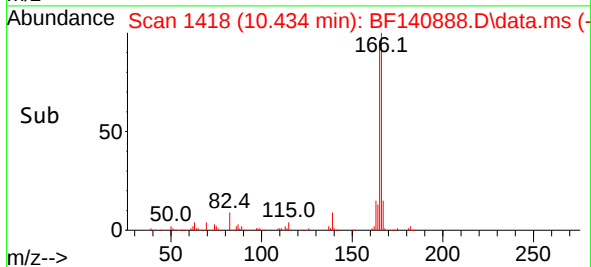
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

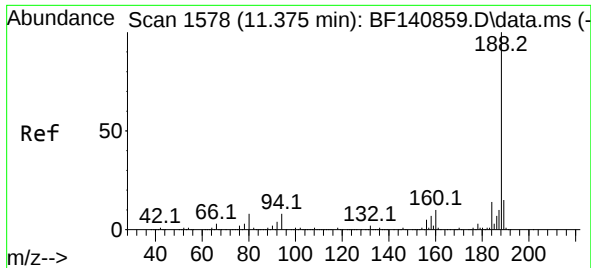


#58
Fluorene
Concen: 15.376 ng
RT: 10.434 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30



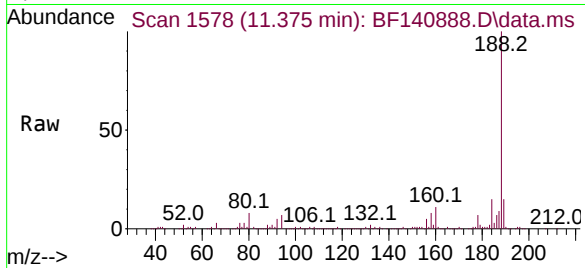
Tgt Ion:166 Resp: 87848
Ion Ratio Lower Upper
166 100
165 96.4 75.1 112.7
167 15.4 11.1 16.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30

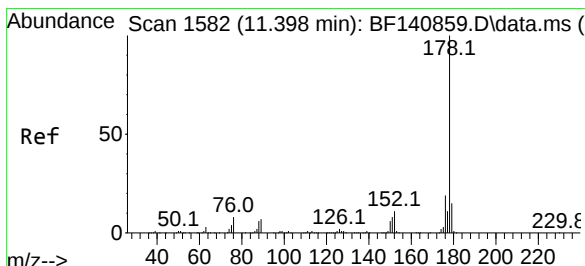
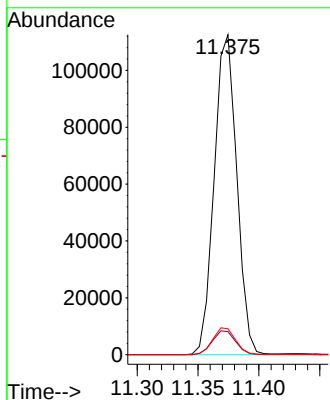
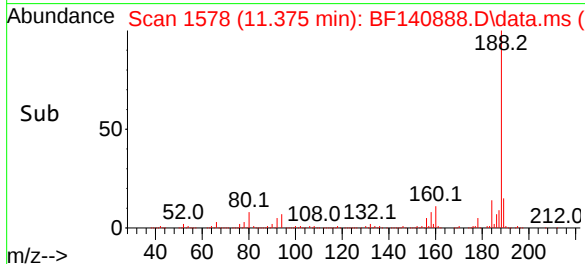
Instrument :
BNA_F
ClientSampleId :
OR-02-12122024



Tgt Ion:188 Resp: 145510
Ion Ratio Lower Upper
188 100
94 7.2 6.4 9.6
80 8.1 6.8 10.2

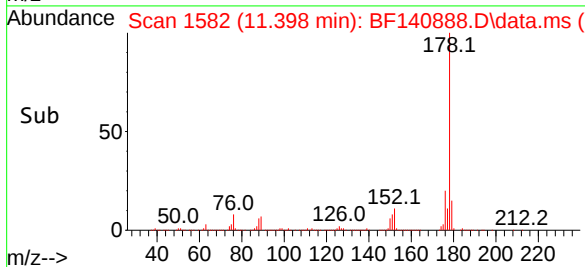
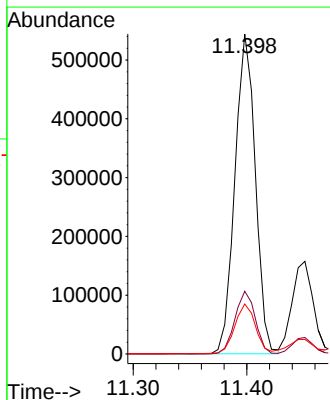
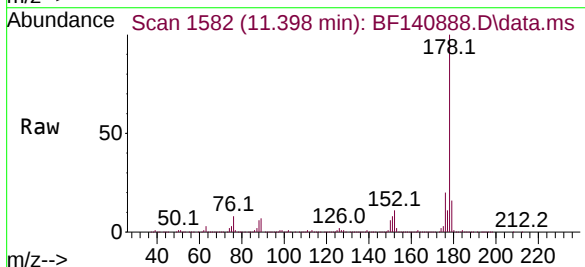
Manual Integrations
APPROVED

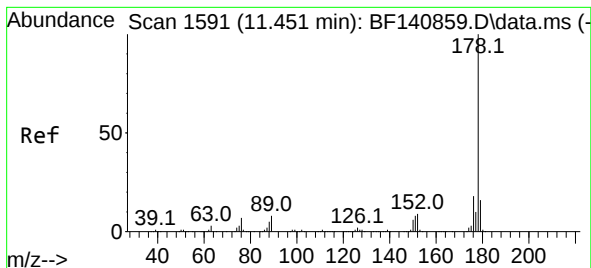
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#71
Phenanthrene
Concen: 90.840 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30

Tgt Ion:178 Resp: 679762
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.6 12.1 18.1





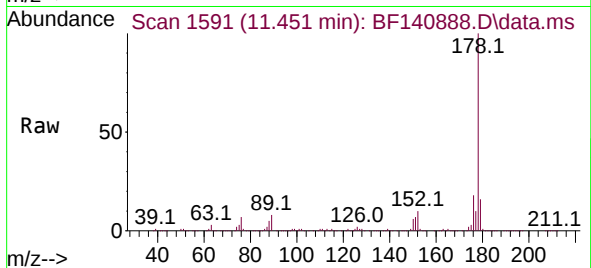
#72
 Anthracene
 Concen: 27.020 ng
 RT: 11.451 min Scan# 1591
 Delta R.T. 0.000 min
 Lab File: BF140888.D
 Acq: 17 Dec 2024 16:30

Instrument :

BNA_F

ClientSampleId :

OR-02-12122024



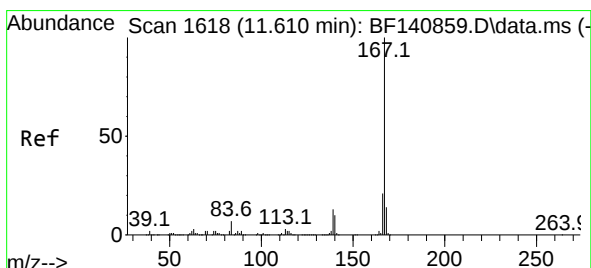
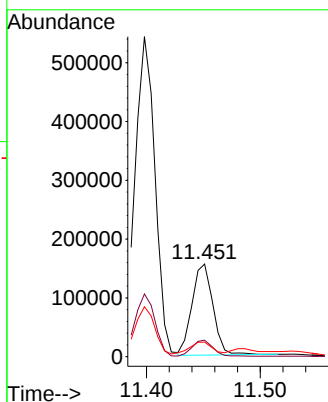
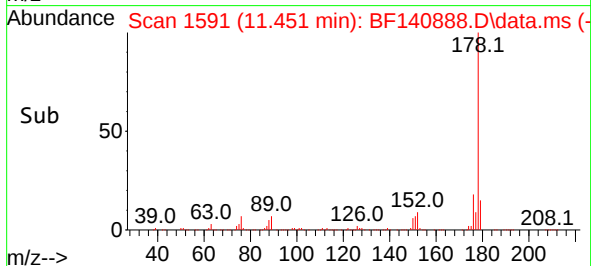
Tgt Ion:178 Resp: 19912
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.6 22.0
 179 15.7 12.6 18.8

Manual Integrations

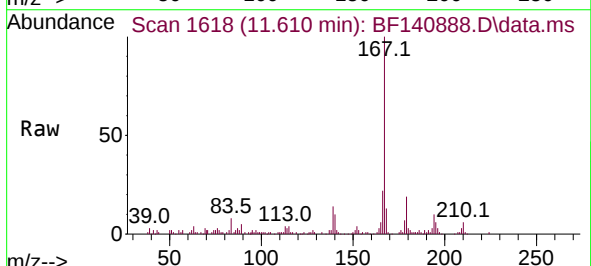
APPROVED

Reviewed By :Yogesh Patel 12/18/2024

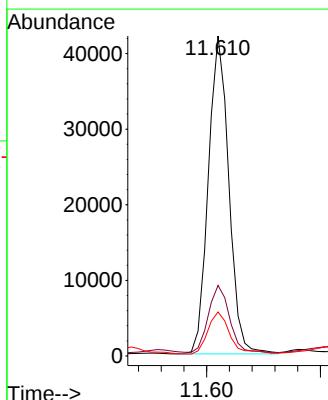
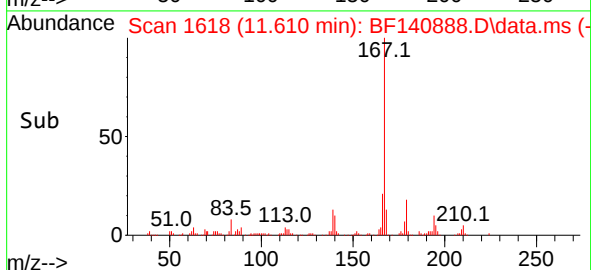
Supervised By :mohammad ahmed 12/18/2024

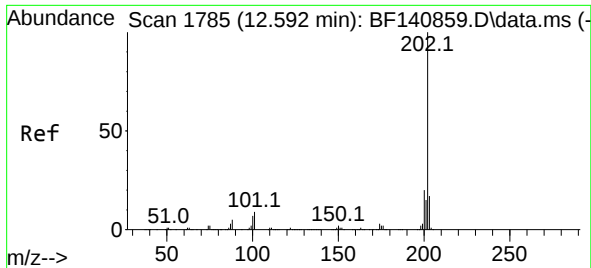


#73
 Carbazole
 Concen: 7.290 ng
 RT: 11.610 min Scan# 1618
 Delta R.T. 0.000 min
 Lab File: BF140888.D
 Acq: 17 Dec 2024 16:30



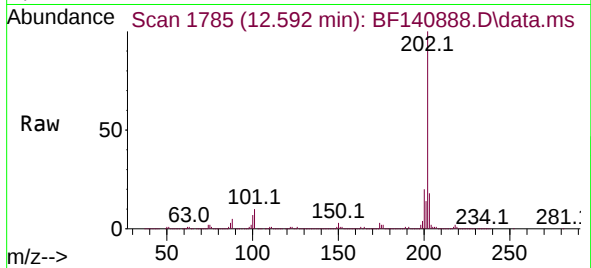
Tgt Ion:167 Resp: 52617
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.0 25.6
 139 13.8 10.2 15.2





#75
Fluoranthene
Concen: 110.298 ng
RT: 12.592 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30

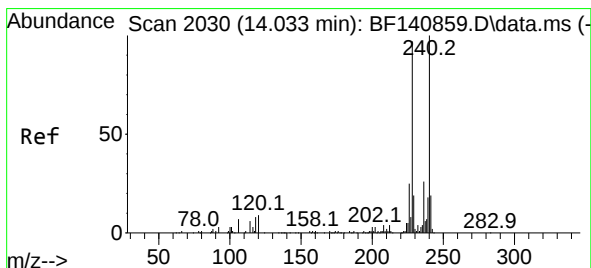
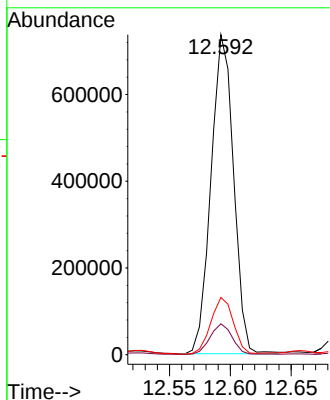
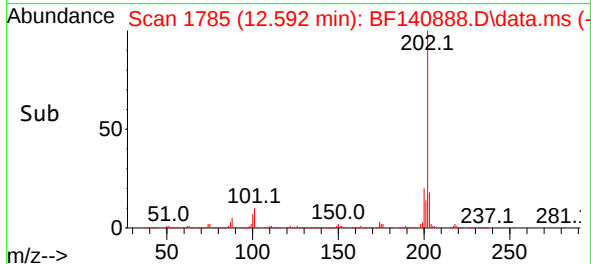
Instrument :
BNA_F
ClientSampleId :
OR-02-12122024



Tgt Ion:202 Resp: 95054
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.3
203 17.9 0.0 37.4

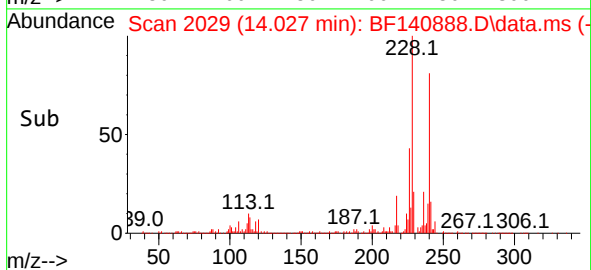
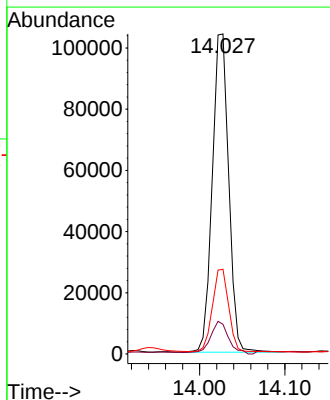
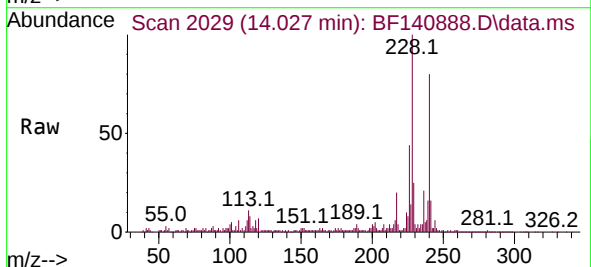
Manual Integrations
APPROVED

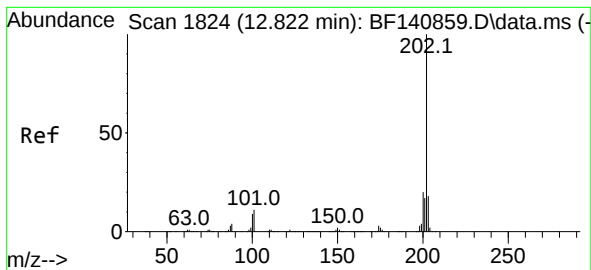
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30

Tgt Ion:240 Resp: 139883
Ion Ratio Lower Upper
240 100
120 9.3 7.6 11.4
236 26.4 20.5 30.7





#78

Pyrene

Concen: 79.847 ng

RT: 12.822 min Scan# 1824

Delta R.T. 0.000 min

Lab File: BF140888.D

Acq: 17 Dec 2024 16:30

Instrument :

BNA_F

ClientSampleId :

OR-02-12122024

Tgt Ion:202 Resp: 993230

Ion Ratio Lower Upper

202 100

200 20.0 16.1 24.1

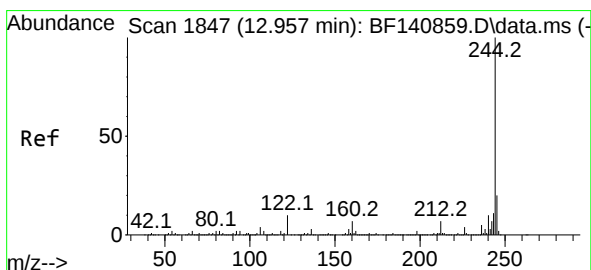
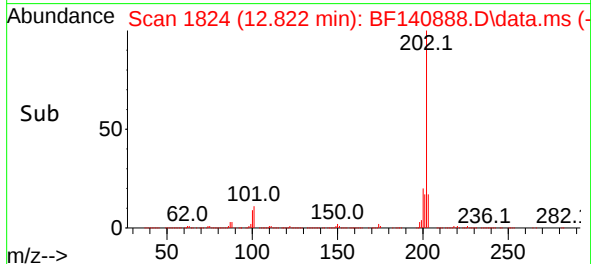
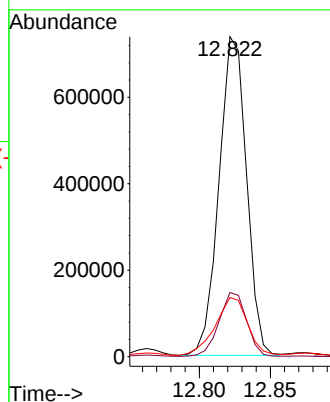
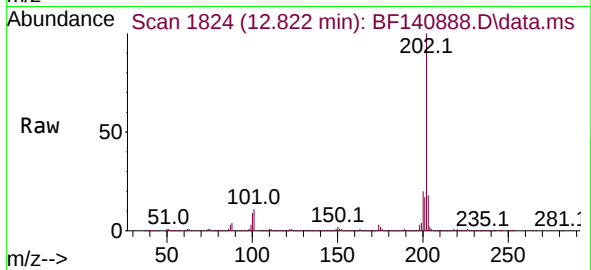
203 18.5 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/18/2024

Supervised By :mohammad ahmed 12/18/2024



#79

Terphenyl-d14

Concen: 50.729 ng

RT: 12.957 min Scan# 1847

Delta R.T. 0.000 min

Lab File: BF140888.D

Acq: 17 Dec 2024 16:30

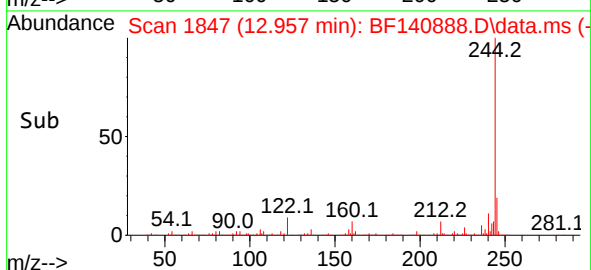
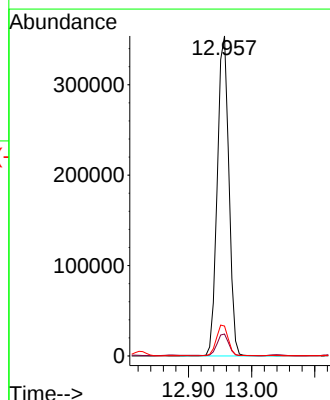
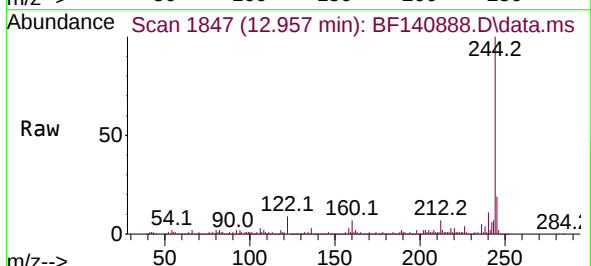
Tgt Ion:244 Resp: 450017

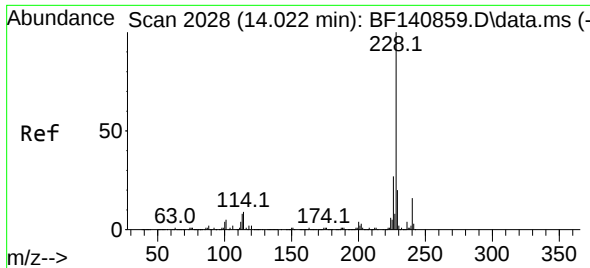
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

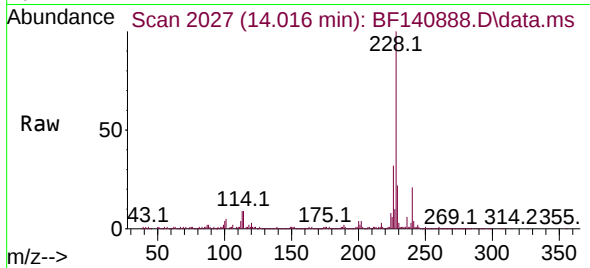
122 9.3 8.2 12.2





#81
Benzo(a)anthracene
Concen: 44.469 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30

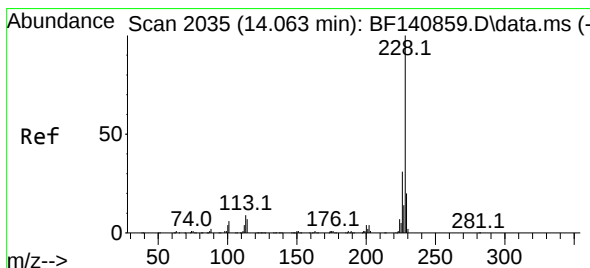
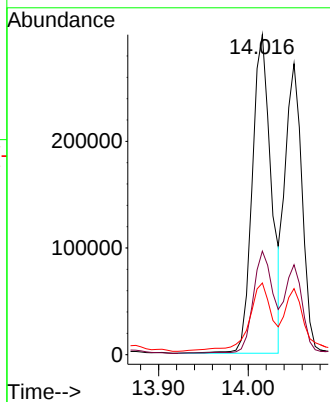
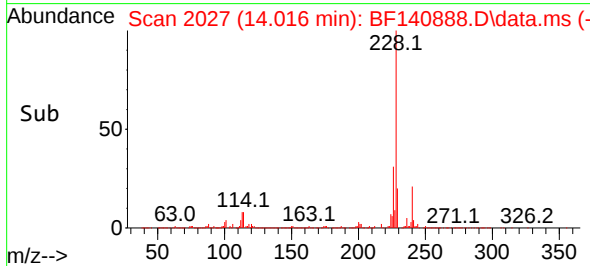
Instrument :
BNA_F
ClientSampleId :
OR-02-12122024



Tgt Ion:228 Resp: 440860
Ion Ratio Lower Upper
228 100
226 32.3 21.8 32.8
229 22.4 15.8 23.8

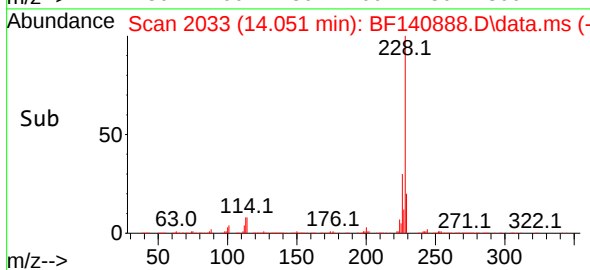
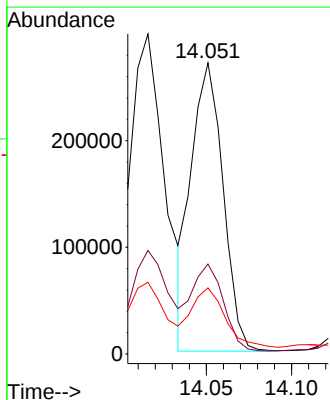
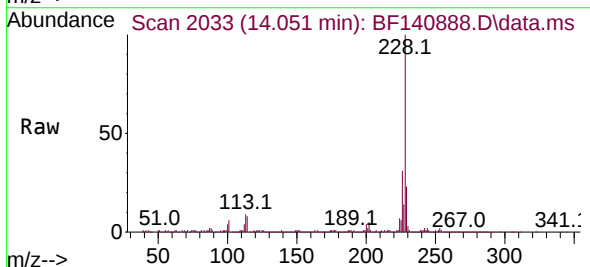
Manual Integrations
APPROVED

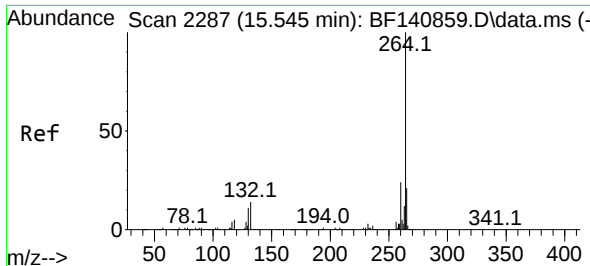
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#83
Chrysene
Concen: 38.862 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30

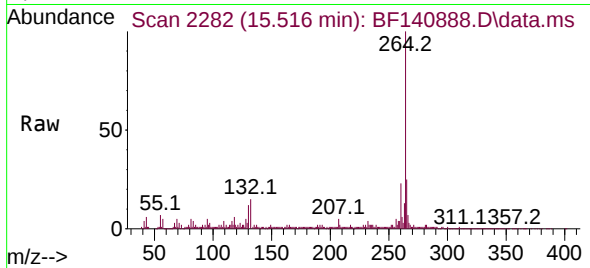
Tgt Ion:228 Resp: 350343
Ion Ratio Lower Upper
228 100
226 30.9 24.1 36.1
229 22.7 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.516 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30

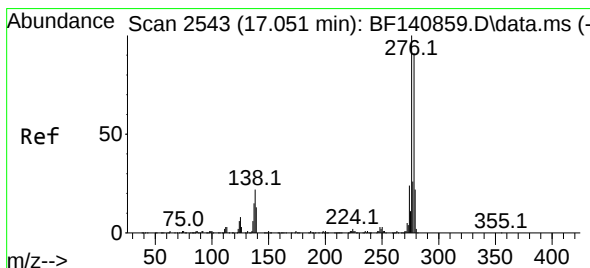
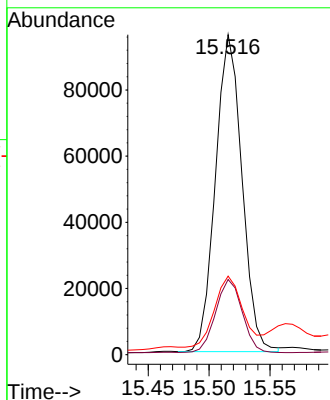
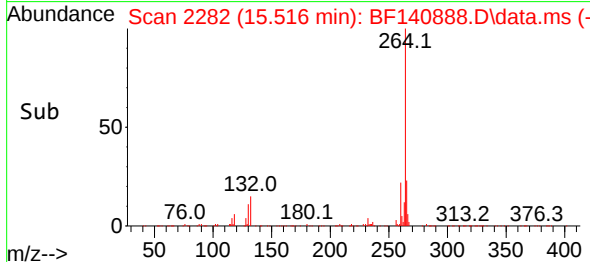
Instrument :
BNA_F
ClientSampleId :
OR-02-12122024



Tgt Ion:264 Resp: 145010
Ion Ratio Lower Upper
264 100
260 23.5 19.1 28.7
265 24.5 17.0 25.4

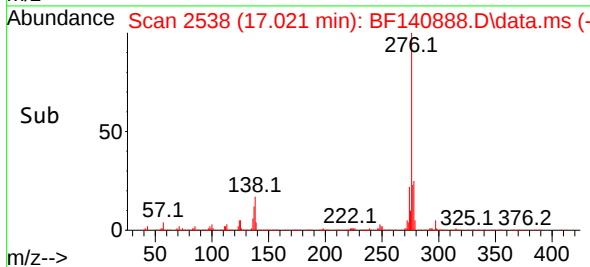
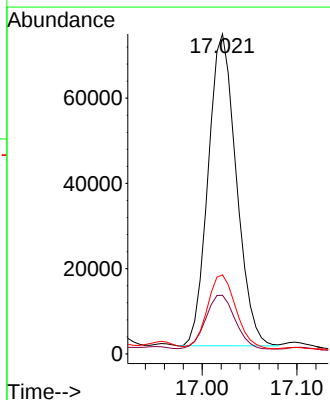
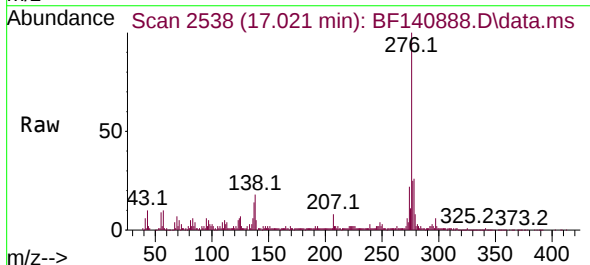
Manual Integrations
APPROVED

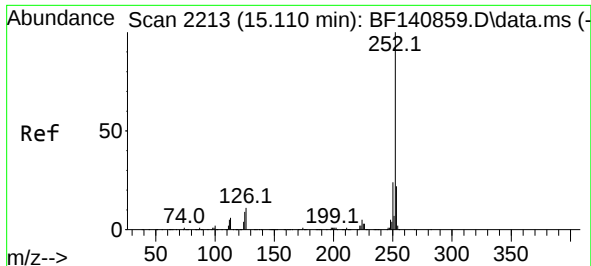
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 16.688 ng
RT: 17.021 min Scan# 2538
Delta R.T. -0.029 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30

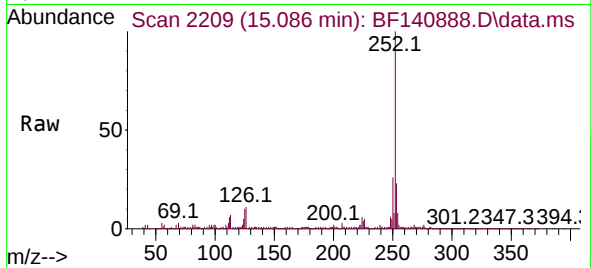
Tgt Ion:276 Resp: 151015
Ion Ratio Lower Upper
276 100
138 18.1 16.9 25.3
277 24.1 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 36.834 ng m
RT: 15.086 min Scan# 2213
Delta R.T. -0.024 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30

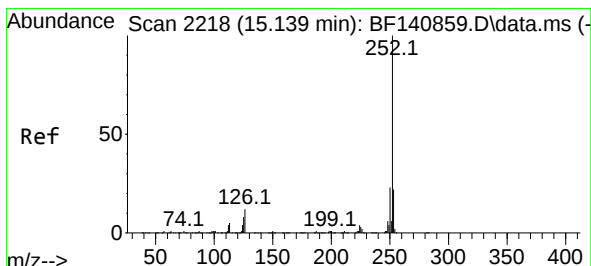
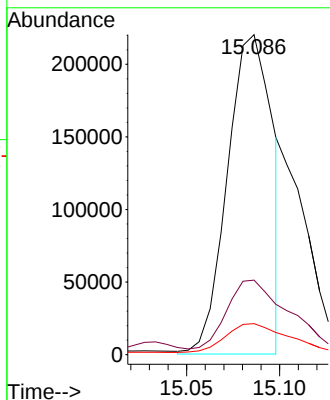
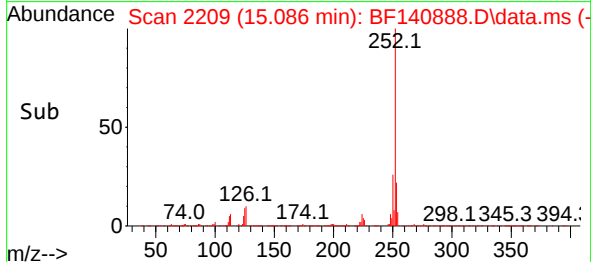
Instrument :
BNA_F
ClientSampleId :
OR-02-12122024



Tgt Ion:252 Resp: 37076
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 9.7 7.0 10.4

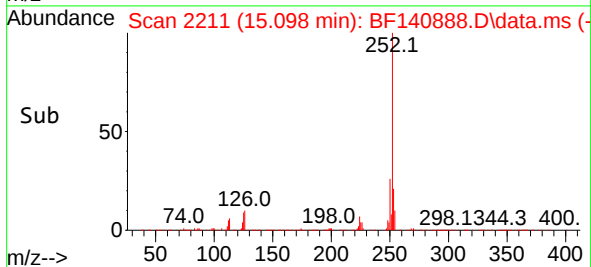
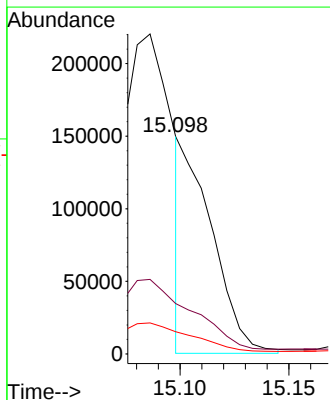
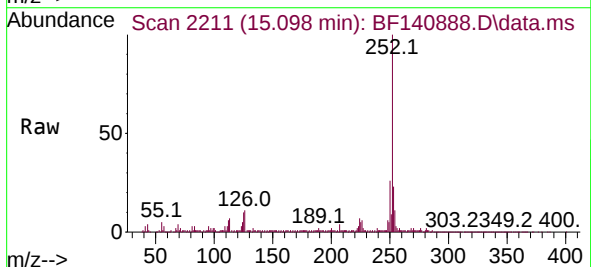
Manual Integrations
APPROVED

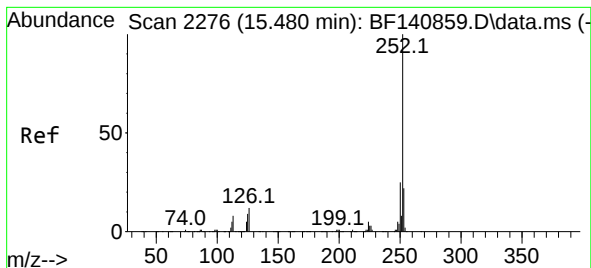
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#89
Benzo(k)fluoranthene
Concen: 16.283 ng m
RT: 15.098 min Scan# 2211
Delta R.T. -0.041 min
Lab File: BF140888.D
Acq: 17 Dec 2024 16:30

Tgt Ion:252 Resp: 140595
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 10.2 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 33.969 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF140888.D

Acq: 17 Dec 2024 16:30

Instrument :

BNA_F

ClientSampleId :

OR-02-12122024

Tgt Ion:252 Resp: 26774

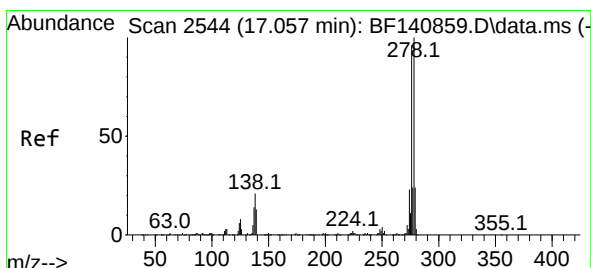
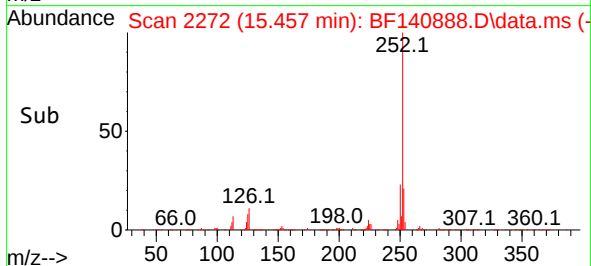
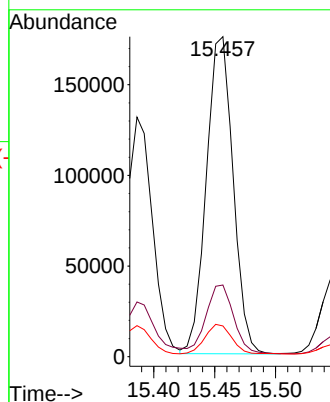
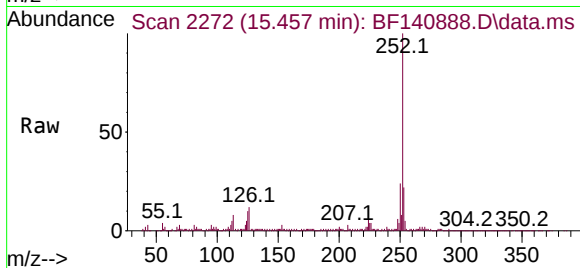
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	9.6	7.5	11.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/18/2024

Supervised By :mohammad ahmed 12/18/2024



#91

Dibenzo(a,h)anthracene

Concen: 6.131 ng

RT: 17.021 min Scan# 2538

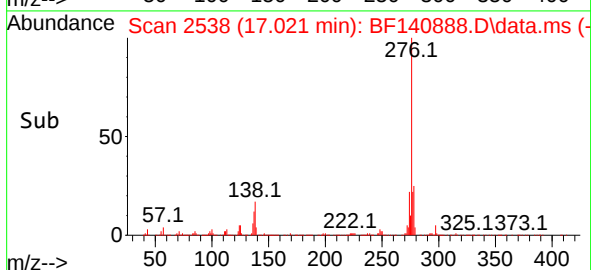
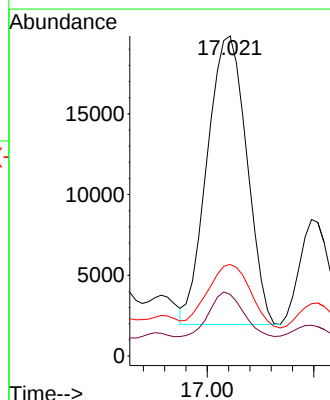
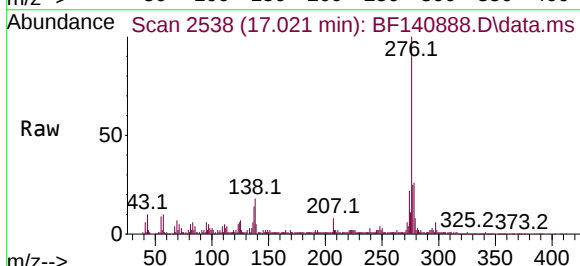
Delta R.T. -0.035 min

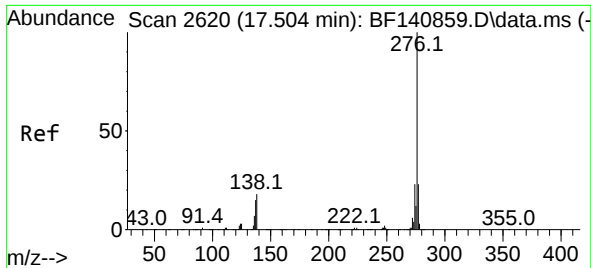
Lab File: BF140888.D

Acq: 17 Dec 2024 16:30

Tgt Ion:278 Resp: 45966

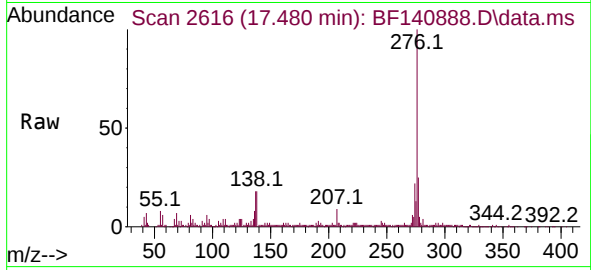
Ion	Ratio	Lower	Upper
278	100		
139	19.3	10.6	16.0
279	28.6	19.2	28.8





#92
 Benzo(g,h,i)perylene
 Concen: 19.816 ng
 RT: 17.480 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF140888.D
 Acq: 17 Dec 2024 16:30

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-12122024



Tgt Ion: 276 Resp: 151194
 Ion Ratio Lower Upper
 276 100
 277 24.9 18.7 28.1
 138 17.5 14.2 21.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024

