

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
 Data File : BF140072.D
 Acq On : 26 Oct 2024 21:01
 Operator : RC/JU
 Sample : P4509-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-10232024

Manual Integrations
 APPROVED

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

Quant Time: Oct 28 01:10:58 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	144889	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	516739	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	237294	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	355263	20.000	ng	0.00
76) Chrysene-d12	14.051	240	240852	20.000	ng	0.00
86) Perylene-d12	15.527	264	186217	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	283487	30.630	ng	0.00
7) Phenol-d6	6.504	99	346369	28.895	ng	0.00
23) Nitrobenzene-d5	7.445	82	220921	23.695	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	61755	27.823	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	389486	27.127	ng	-0.01
79) Terphenyl-d14	12.992	244	324385	21.946	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	76239	4.543	ng	99
75) Fluoranthene	12.621	202	136854	8.067	ng	98
78) Pyrene	12.851	202	121595	5.768	ng	99
81) Benzo(a)anthracene	14.039	228	69279	4.419	ng	93
83) Chrysene	14.074	228	60682m	4.221	ng	
87) Indeno(1,2,3-cd)pyrene	17.021	276	27296	2.278	ng	# 92
88) Benzo(b)fluoranthene	15.092	252	67746m	5.972	ng	
89) Benzo(k)fluoranthene	15.109	252	26721m	2.731	ng	
90) Benzo(a)pyrene	15.462	252	42272	4.529	ng	# 87
92) Benzo(g,h,i)perylene	17.474	276	27333	2.738	ng	# 90

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

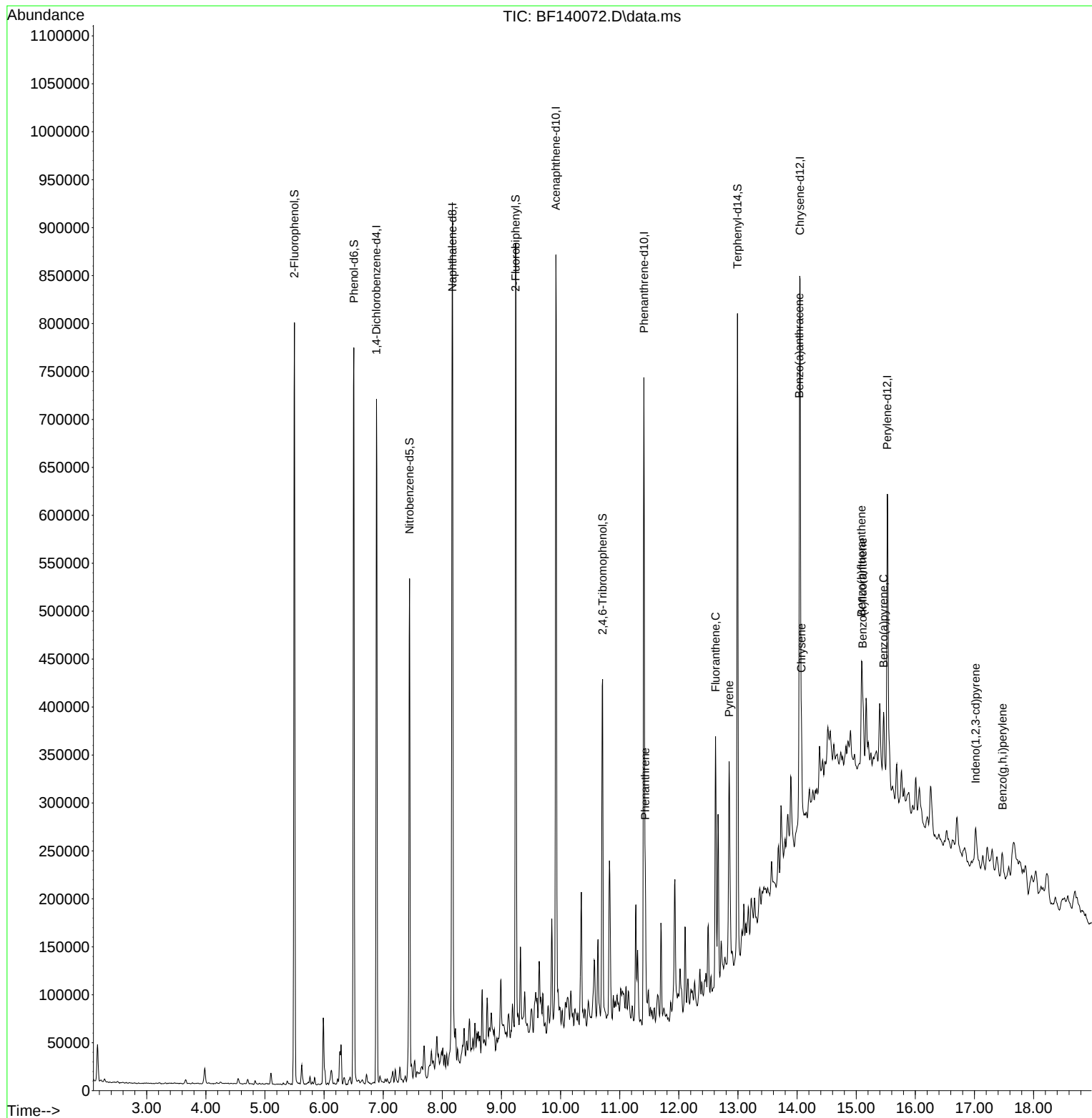
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140072.D
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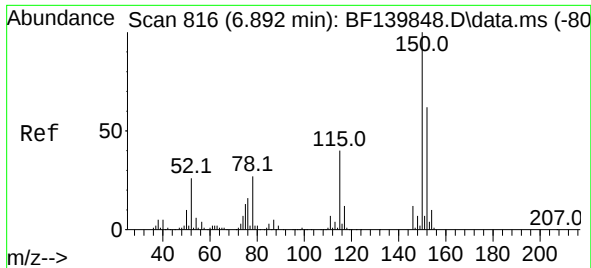
Instrument :
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Quant Time: Oct 28 01:10:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
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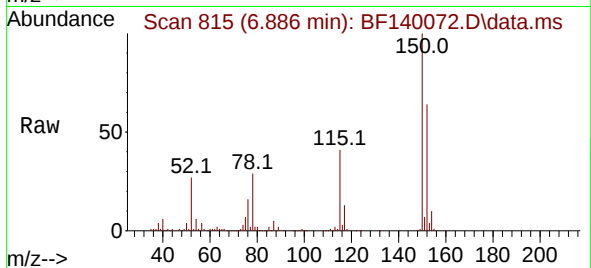
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

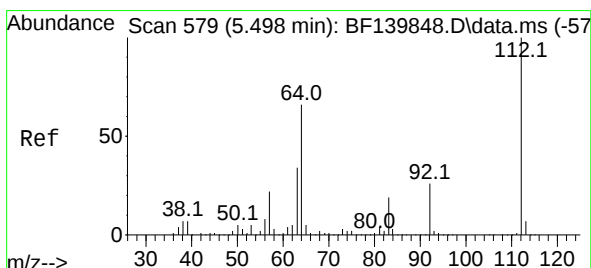
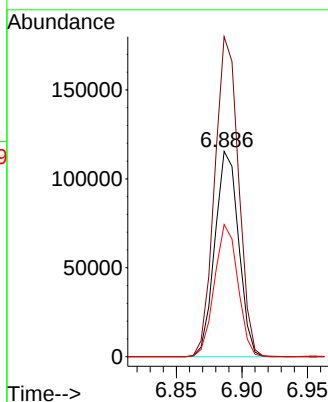
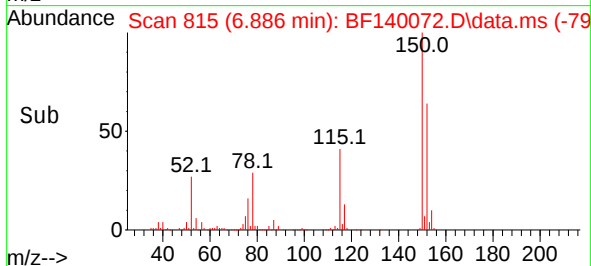
Instrument :
BNA_F
ClientSampleId :
AU-06-10232024



Tgt Ion:152 Resp: 144889
Ion Ratio Lower Upper
152 100
150 155.9 130.2 195.2
115 64.4 51.4 77.2

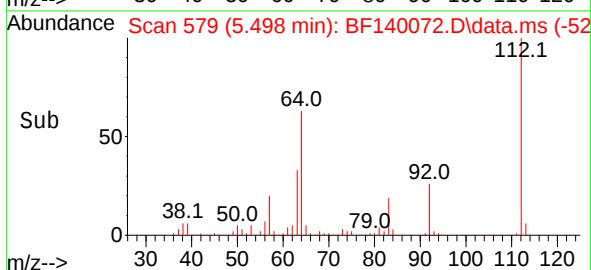
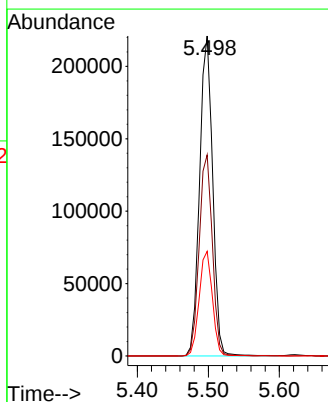
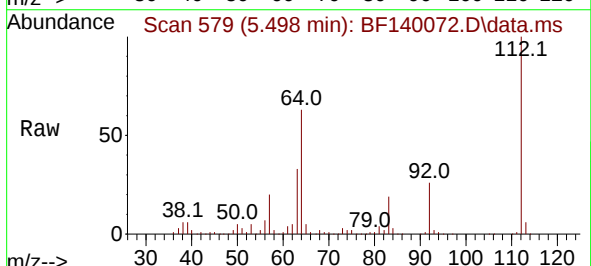
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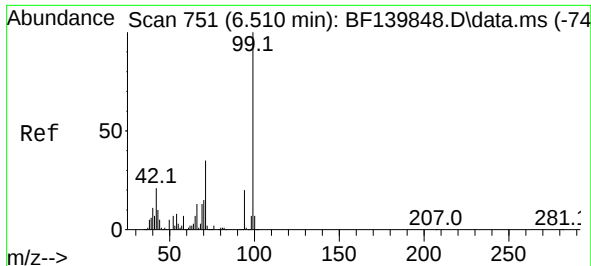
Reviewed By :Yogesh Patel 10/29/2024
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#5
2-Fluorophenol
Concen: 30.630 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

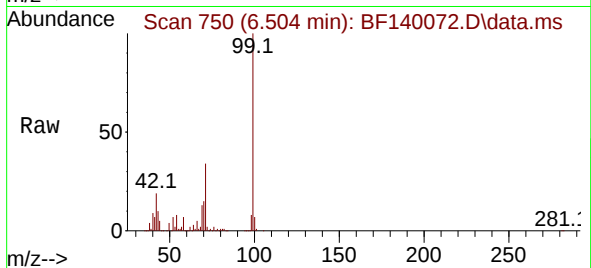
Tgt Ion:112 Resp: 283487
Ion Ratio Lower Upper
112 100
64 62.9 53.0 79.6
63 32.7 27.0 40.4





#7
Phenol-d6
Concen: 28.895 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

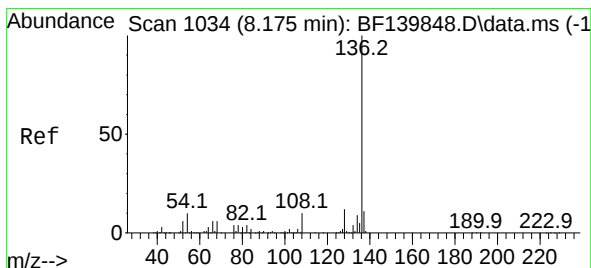
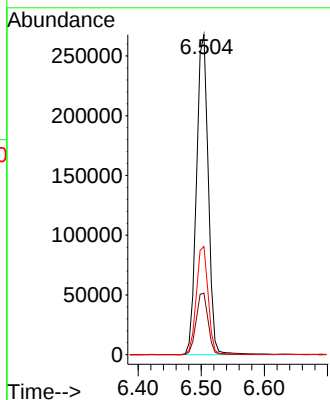
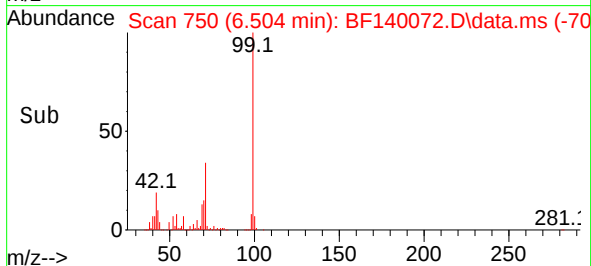
Instrument :
BNA_F
ClientSampleId :
AU-06-10232024



Tgt Ion: 99 Resp: 346369
Ion Ratio Lower Upper
99 100
42 19.2 16.7 25.1
71 33.8 27.7 41.5

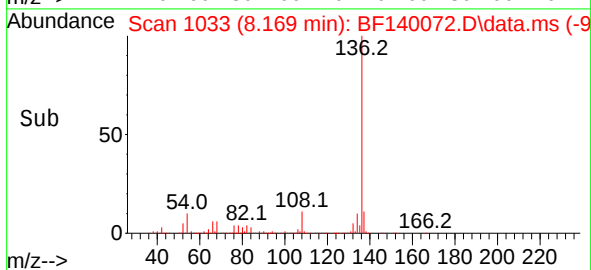
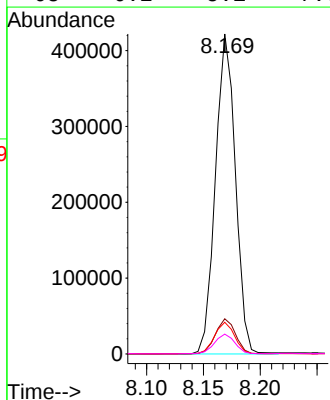
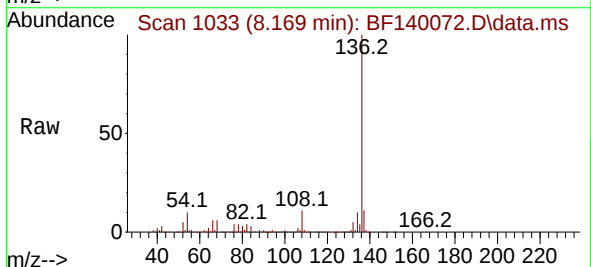
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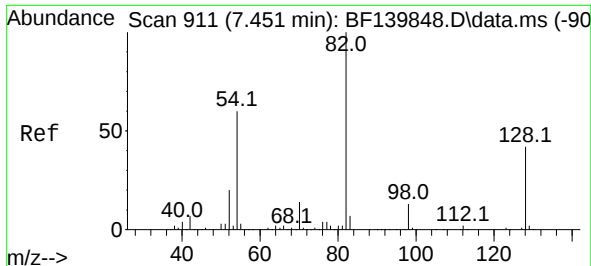
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

Tgt Ion:136 Resp: 516739
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.9 8.4 12.6
68 6.2 5.1 7.7





#23

Nitrobenzene-d5

Concen: 23.695 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF140072.D

Acq: 26 Oct 2024 21:01

Instrument :

BNA_F

ClientSampleId :

AU-06-10232024

Tgt Ion: 82 Resp: 22092

Ion Ratio Lower Upper

82 100

128 43.0 33.4 50.0

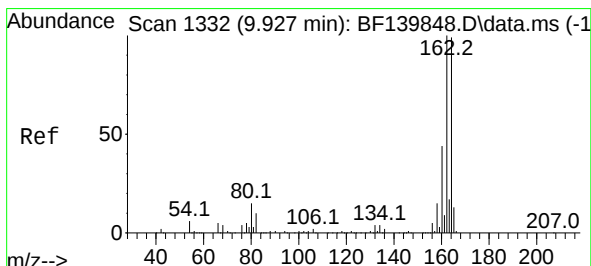
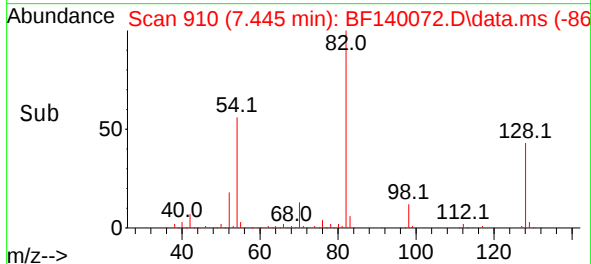
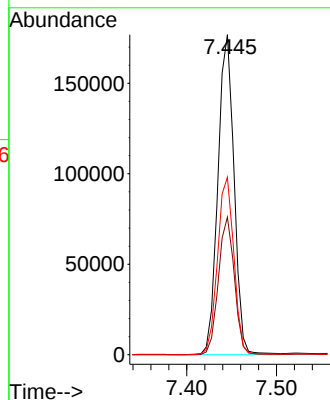
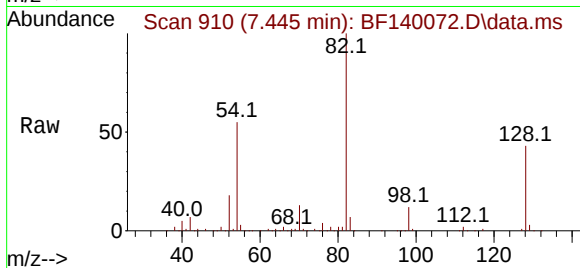
54 55.5 47.8 71.8

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.005 min

Lab File: BF140072.D

Acq: 26 Oct 2024 21:01

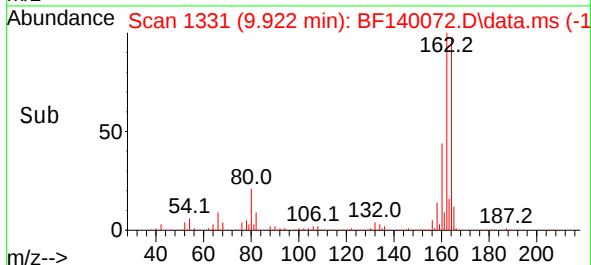
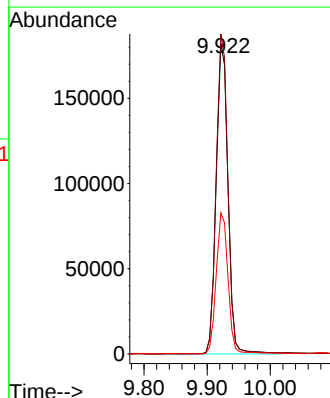
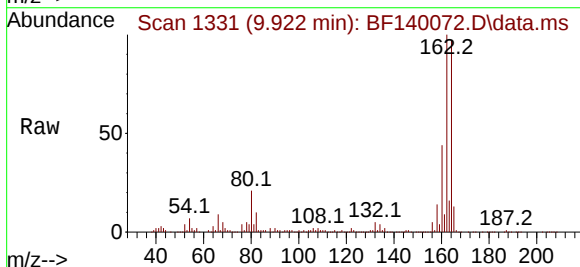
Tgt Ion:164 Resp: 237294

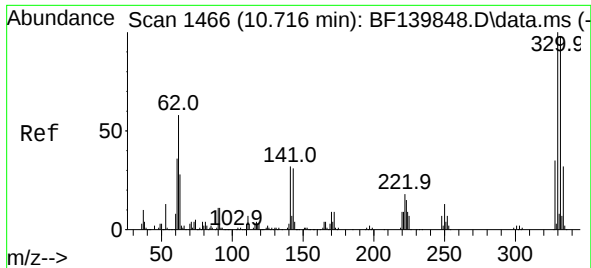
Ion Ratio Lower Upper

164 100

162 103.1 81.0 121.4

160 45.4 35.4 53.0





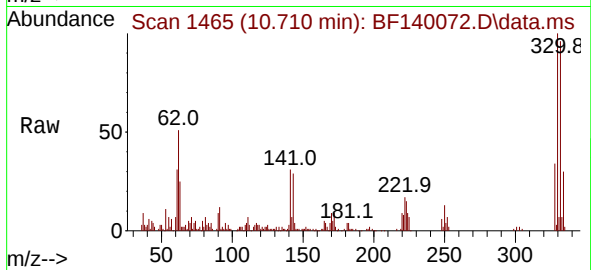
#42
2,4,6-Tribromophenol
Concen: 27.823 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

Instrument :

BNA_F

ClientSampleId :

AU-06-10232024



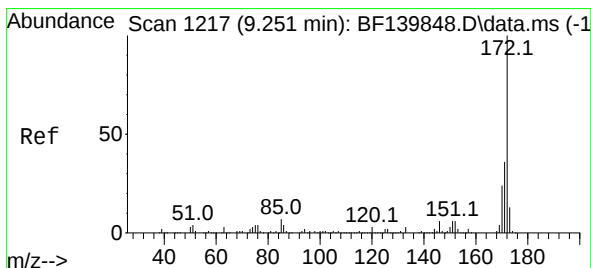
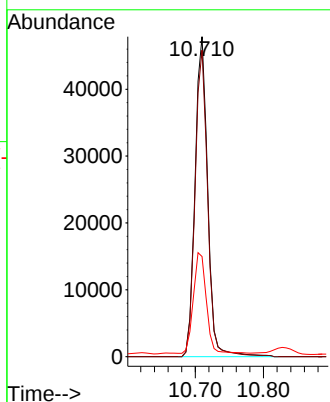
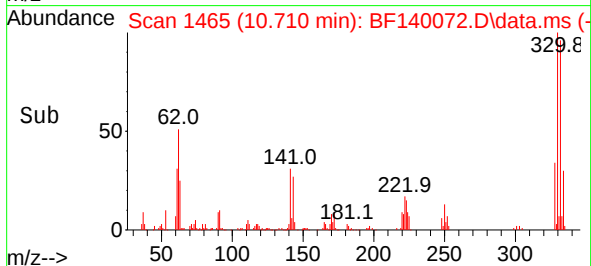
Tgt Ion:330 Resp: 6175
Ion Ratio Lower Upper
330 100
332 95.6 78.1 117.1
141 32.3 26.6 39.8

Manual Integrations

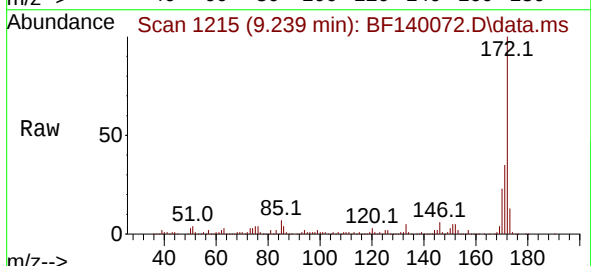
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Reviewed By :Yogesh Patel 10/29/2024

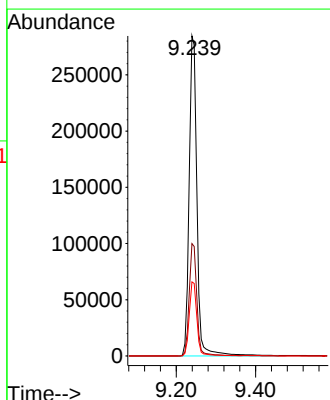
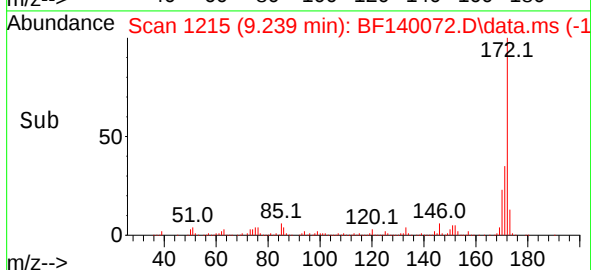
Supervised By :mohammad ahmed 10/29/2024

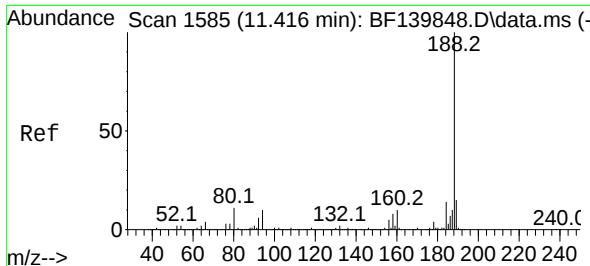


#45
2-Fluorobiphenyl
Concen: 27.127 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01



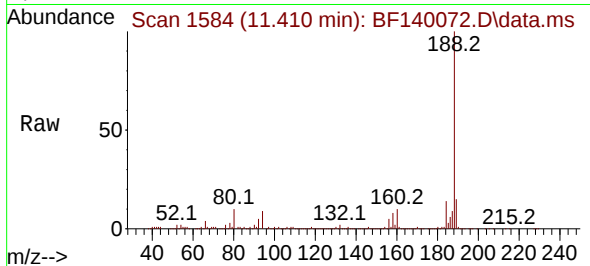
Tgt Ion:172 Resp: 389486
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.2 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

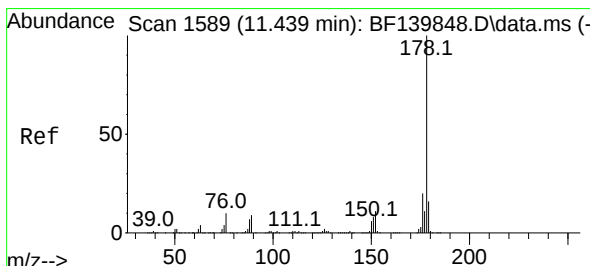
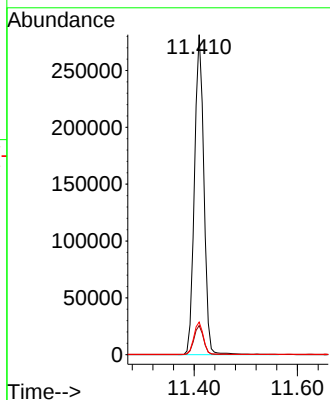
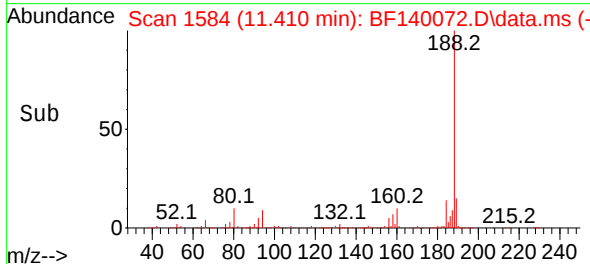
Instrument :
BNA_F
ClientSampleId :
AU-06-10232024



Tgt Ion:188 Resp: 35526
Ion Ratio Lower Upper
188 100
94 9.1 7.9 11.9
80 10.2 9.0 13.4

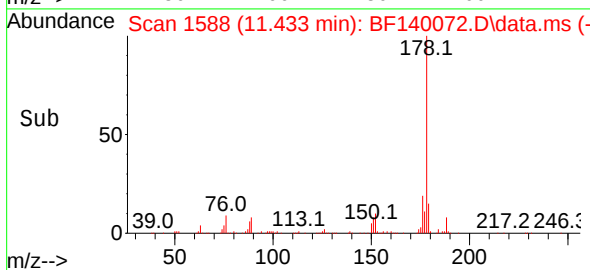
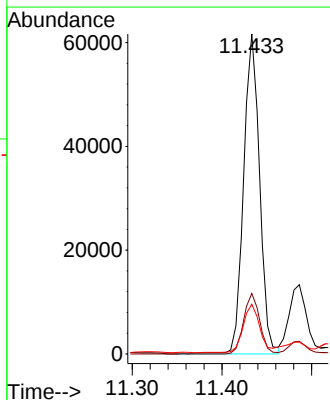
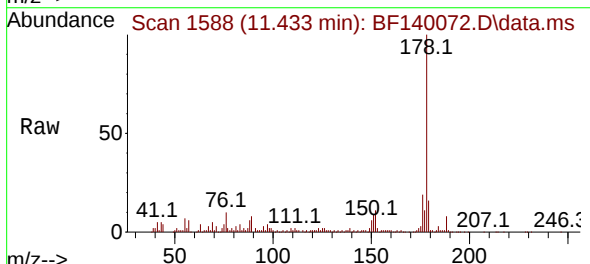
Manual Integrations
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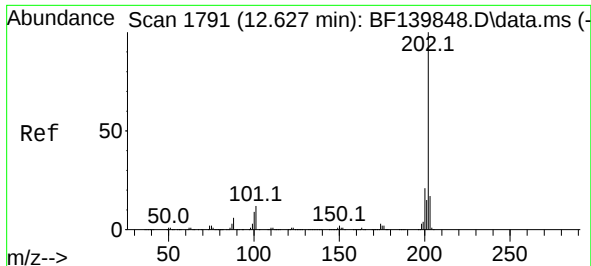
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#71
Phenanthrene
Concen: 4.543 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

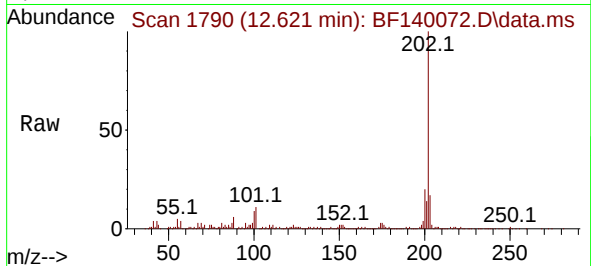
Tgt Ion:178 Resp: 76239
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.6 12.6 18.8





#75
Fluoranthene
Concen: 8.067 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

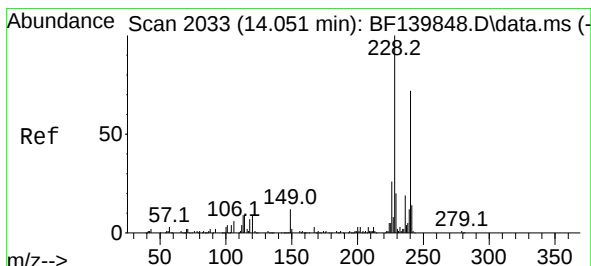
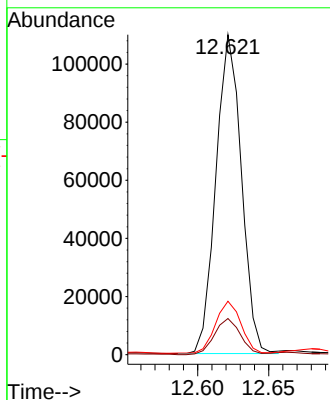
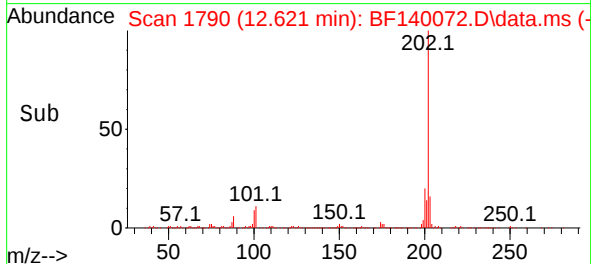
Instrument :
BNA_F
ClientSampleId :
AU-06-10232024



Tgt Ion:202 Resp: 136854
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.9
203 16.7 0.0 37.5

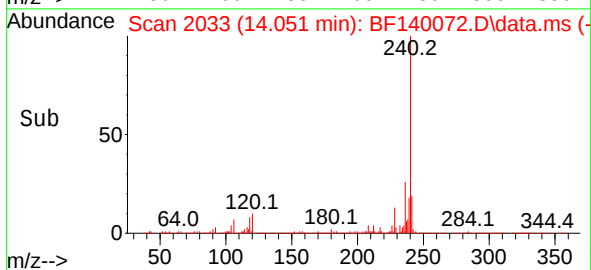
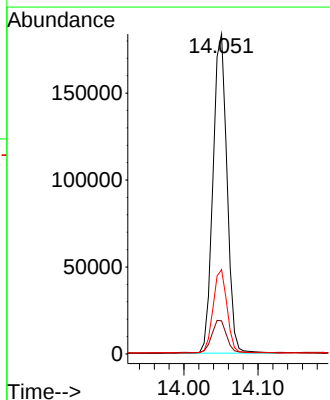
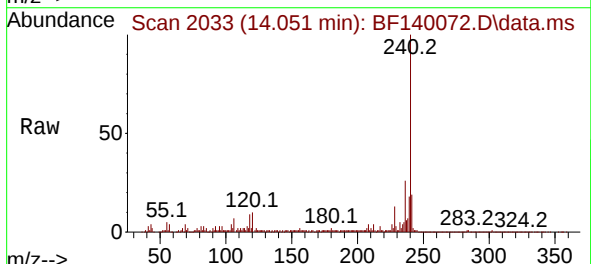
Manual Integrations
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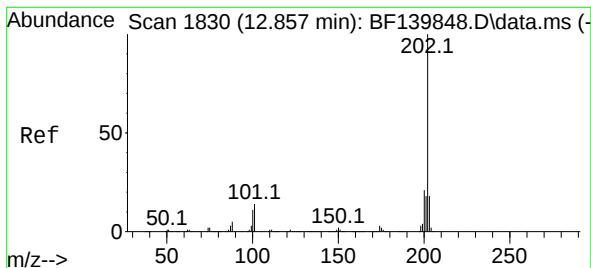
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

Tgt Ion:240 Resp: 240852
Ion Ratio Lower Upper
240 100
120 10.3 9.4 14.2
236 26.4 20.9 31.3





#78

Pyrene

Concen: 5.768 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF140072.D

Acq: 26 Oct 2024 21:01

Instrument :

BNA_F

ClientSampleId :

AU-06-10232024

Tgt Ion:202 Resp: 12159

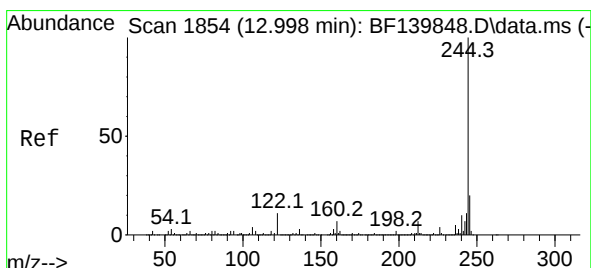
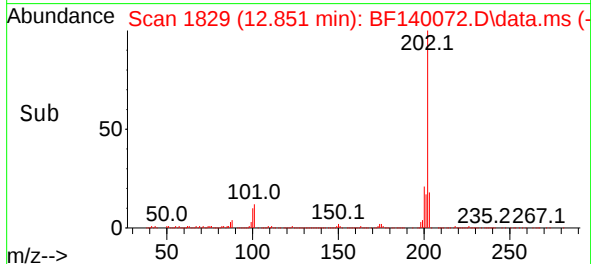
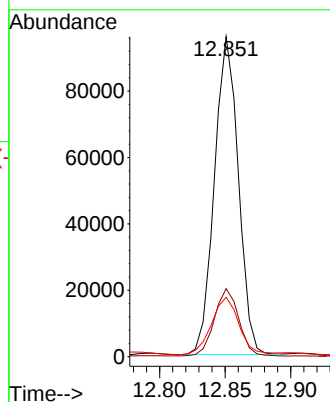
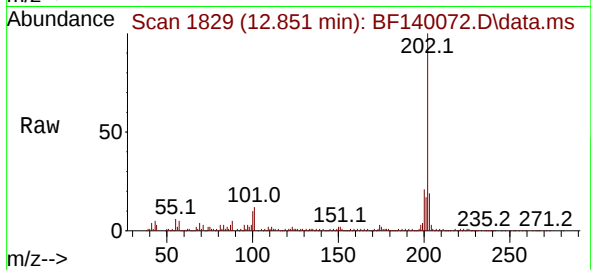
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	18.5	14.2	21.4

Manual Integrations

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#79

Terphenyl-d14

Concen: 21.946 ng

RT: 12.992 min Scan# 1853

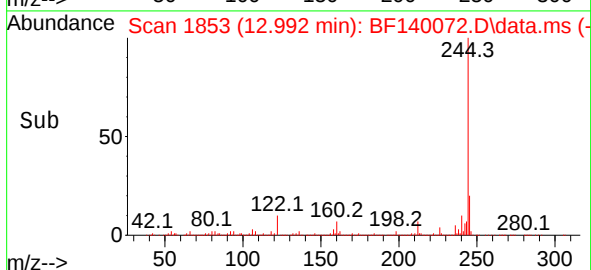
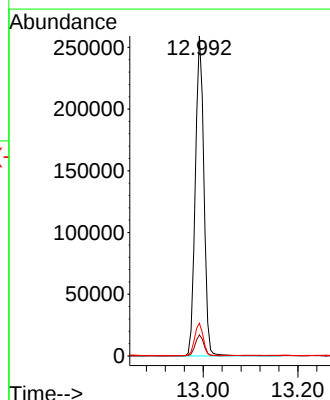
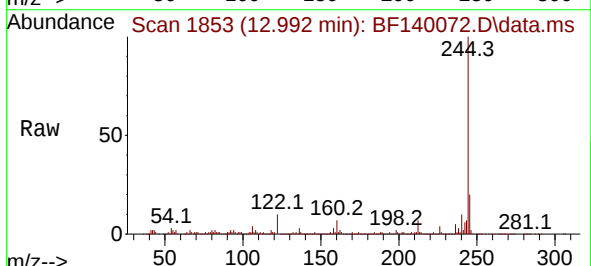
Delta R.T. -0.006 min

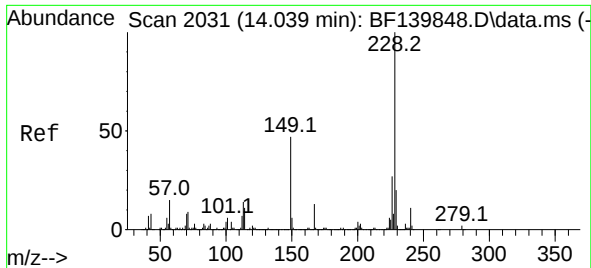
Lab File: BF140072.D

Acq: 26 Oct 2024 21:01

Tgt Ion:244 Resp: 324385

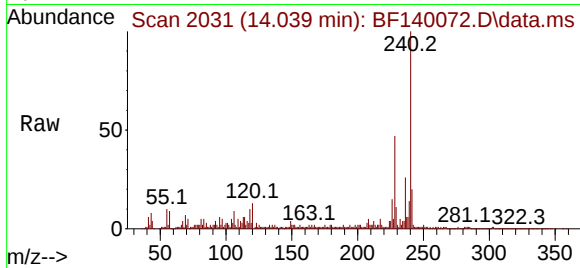
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	10.3	8.6	13.0





#81
Benzo(a)anthracene
Concen: 4.419 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

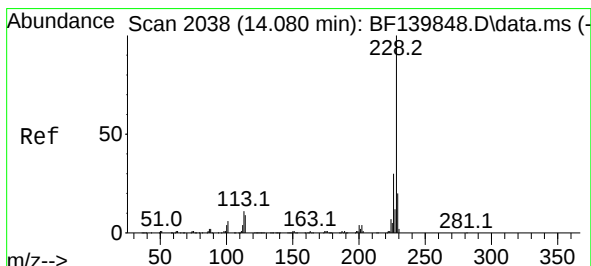
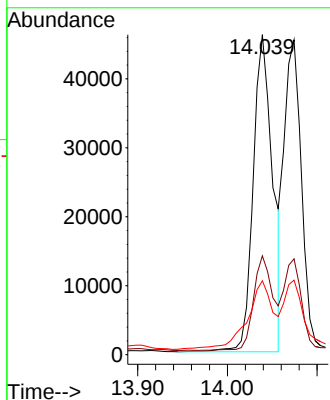
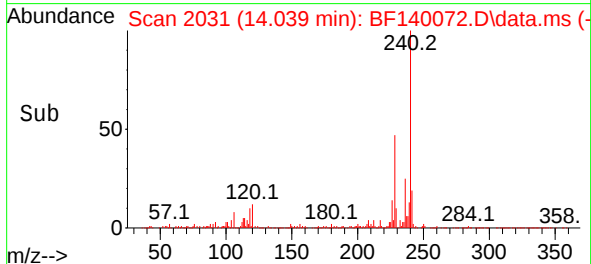
Instrument :
BNA_F
ClientSampleId :
AU-06-10232024



Tgt Ion:228 Resp: 69279
Ion Ratio Lower Upper
228 100
226 30.9 21.6 32.4
229 23.1 16.1 24.1

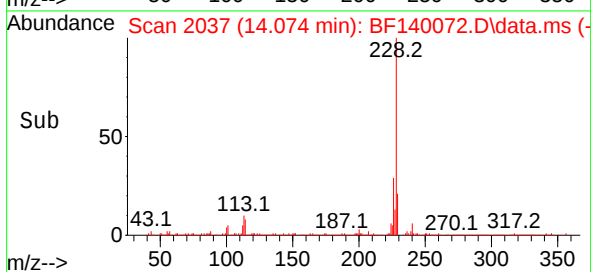
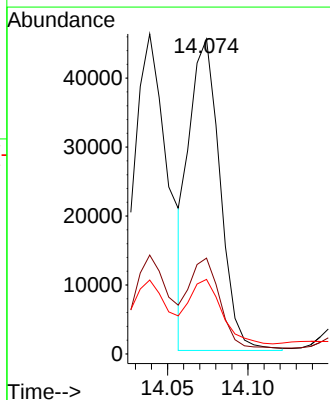
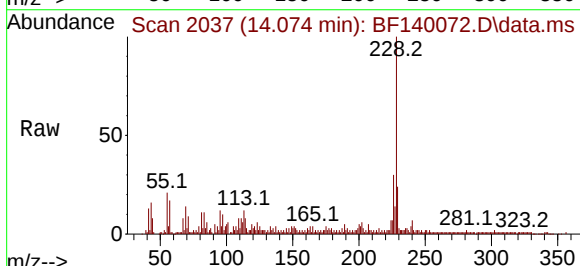
Manual Integrations
APPROVED

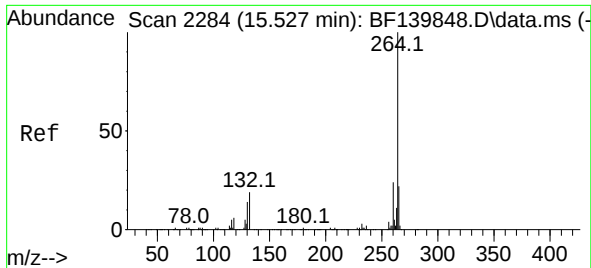
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#83
Chrysene
Concen: 4.221 ng m
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

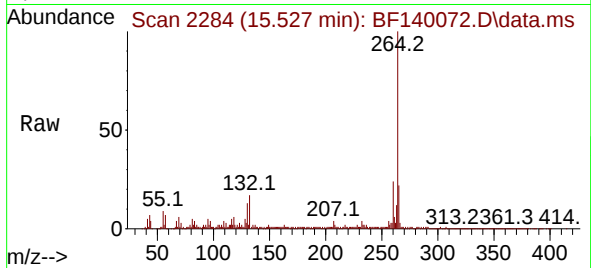
Tgt Ion:228 Resp: 60682
Ion Ratio Lower Upper
228 100
226 30.4 24.1 36.1
229 23.7 15.8 23.6#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

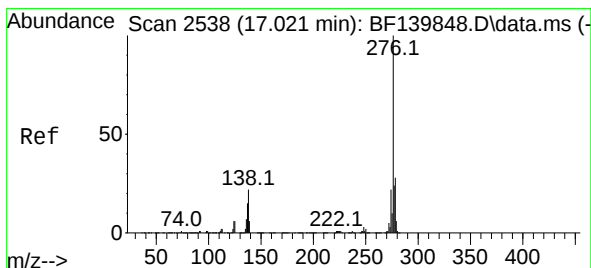
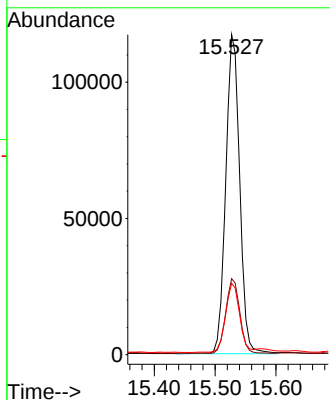
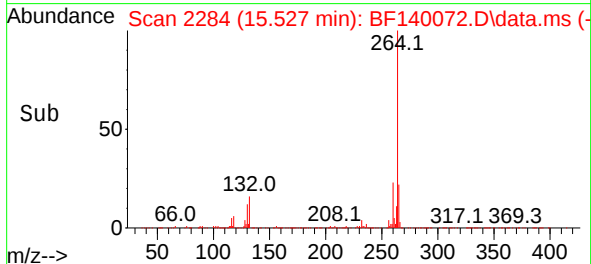
Instrument :
BNA_F
ClientSampleId :
AU-06-10232024



Tgt Ion:264 Resp: 18621
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 22.4 17.4 26.0

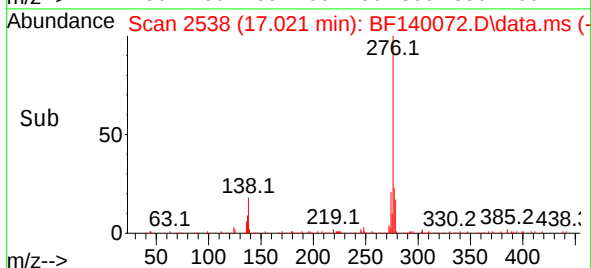
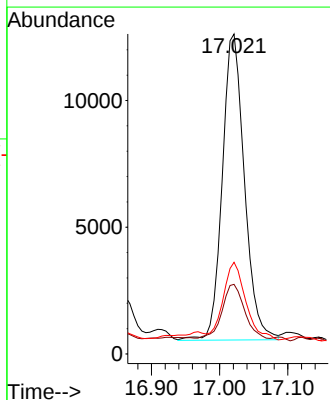
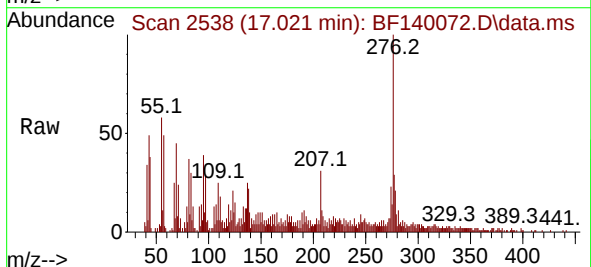
Manual Integrations
APPROVED

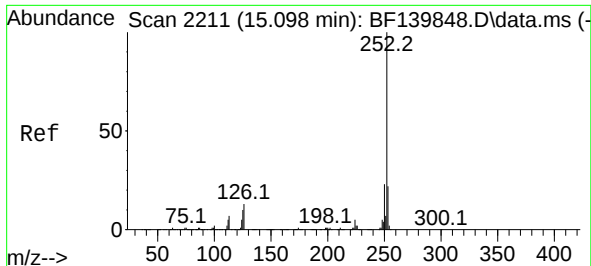
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.278 ng
RT: 17.021 min Scan# 2538
Delta R.T. -0.000 min
Lab File: BF140072.D
Acq: 26 Oct 2024 21:01

Tgt Ion:276 Resp: 27296
Ion Ratio Lower Upper
276 100
138 18.4 20.4 30.6#
277 25.9 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 5.972 ng m

RT: 15.092 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF140072.D

Acq: 26 Oct 2024 21:01

Instrument :

BNA_F

ClientSampleId :

AU-06-10232024

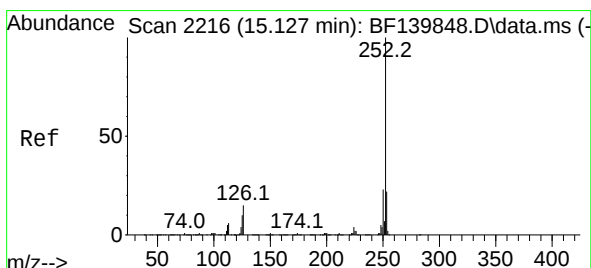
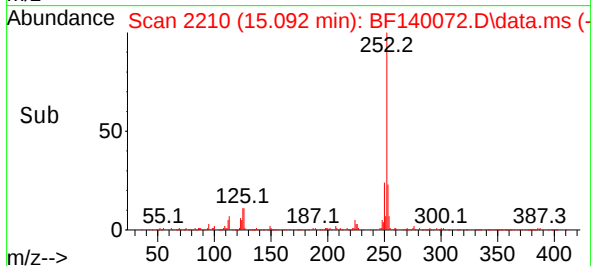
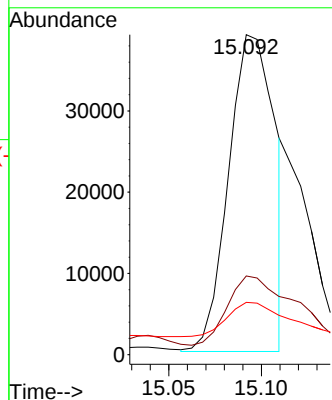
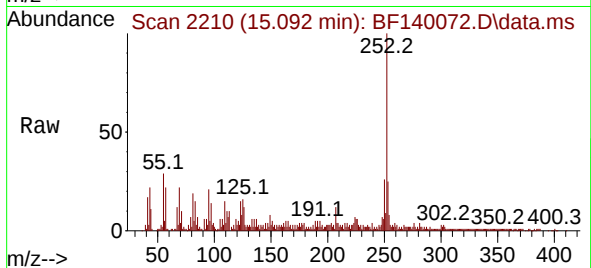
Tgt Ion:252 Resp: 67740
 Ion Ratio Lower Upper
 252 100
 253 24.6 17.6 26.4
 125 16.4 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#89

Benzo(k)fluoranthene

Concen: 2.731 ng m

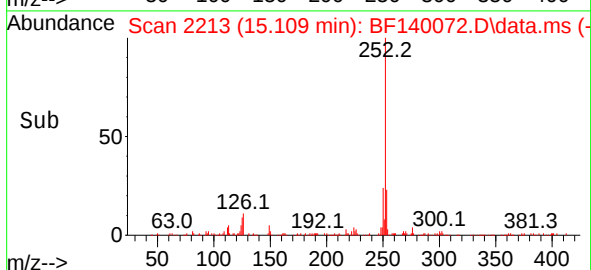
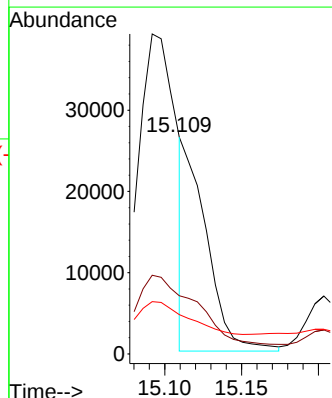
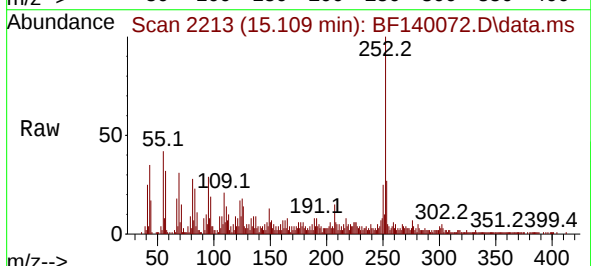
RT: 15.109 min Scan# 2213

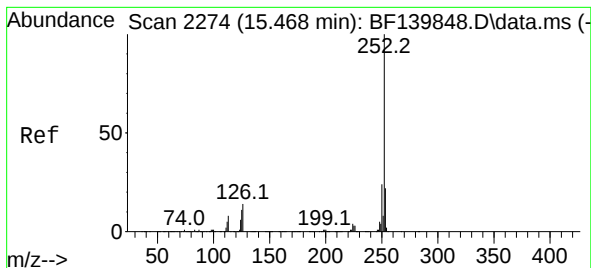
Delta R.T. -0.018 min

Lab File: BF140072.D

Acq: 26 Oct 2024 21:01

Tgt Ion:252 Resp: 26721
 Ion Ratio Lower Upper
 252 100
 253 26.8 17.6 26.4#
 125 18.1 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 4.529 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140072.D

Acq: 26 Oct 2024 21:01

Instrument :

BNA_F

ClientSampleId :

AU-06-10232024

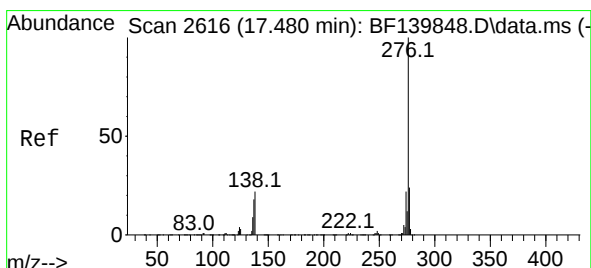
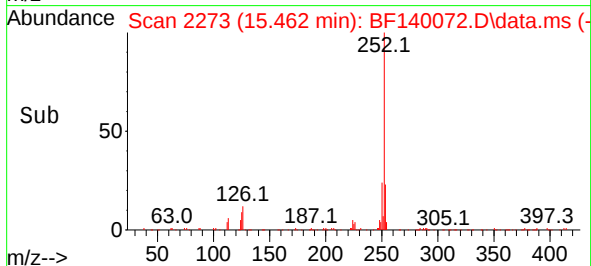
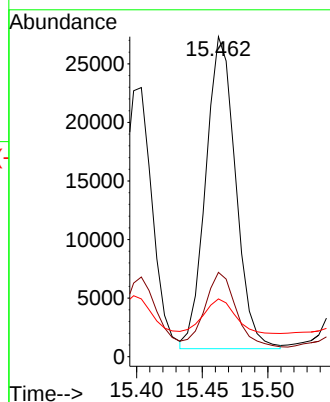
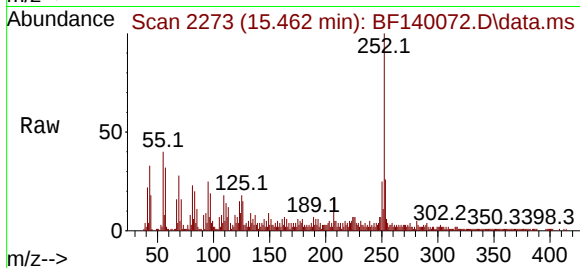
Tgt Ion:252 Resp: 42272
Ion Ratio Lower Upper
252 100
253 26.4 17.3 25.9#
125 18.1 8.7 13.1#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#92

Benzo(g,h,i)perylene

Concen: 2.738 ng

RT: 17.474 min Scan# 2615

Delta R.T. -0.006 min

Lab File: BF140072.D

Acq: 26 Oct 2024 21:01

Tgt Ion:276 Resp: 27333
Ion Ratio Lower Upper
276 100
277 28.6 19.0 28.6#
138 26.7 17.4 26.0#

