

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062524\
 Data File : BF138346.D
 Acq On : 25 Jun 2024 21:08
 Operator : CG\JU
 Sample : P3008-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-WS-6-21-24

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 26 01:02:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	227277	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	806005	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	371073	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	596944	20.000	ng	0.00
76) Chrysene-d12	14.051	240	426082	20.000	ng	0.00
86) Perylene-d12	15.527	264	358373	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1105955	81.402	ng	0.00
7) Phenol-d6	6.516	99	1298270	75.358	ng	0.00
23) Nitrobenzene-d5	7.445	82	795350	57.447	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	307025	83.112	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1283223	54.990	ng	-0.01
79) Terphenyl-d14	12.992	244	1299142	48.292	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.951	154	87715	4.263	ng	99
55) Dibenzofuran	10.122	168	71401	2.482	ng	99
58) Fluorene	10.469	166	85820m	3.795	ng	
71) Phenanthrene	11.433	178	735225	24.905	ng	97
72) Anthracene	11.480	178	192548	6.569	ng	97
73) Carbazole	11.633	167	60951	2.267	ng	98
75) Fluoranthene	12.627	202	1232920	40.957	ng	99
78) Pyrene	12.851	202	1230829	33.490	ng	98
81) Benzo(a)anthracene	14.039	228	549995	20.120	ng	98
83) Chrysene	14.074	228	520429m	19.974	ng	
87) Indeno(1,2,3-cd)pyrene	17.004	276	227921	9.756	ng	96
88) Benzo(b)fluoranthene	15.092	252	531543m	25.151	ng	
89) Benzo(k)fluoranthene	15.115	252	169652m	8.191	ng	
90) Benzo(a)pyrene	15.462	252	377041	20.767	ng	98
91) Dibenzo(a,h)anthracene	17.015	278	57894m	3.019	ng	
92) Benzo(g,h,i)perylene	17.456	276	233270	11.759	ng	99

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

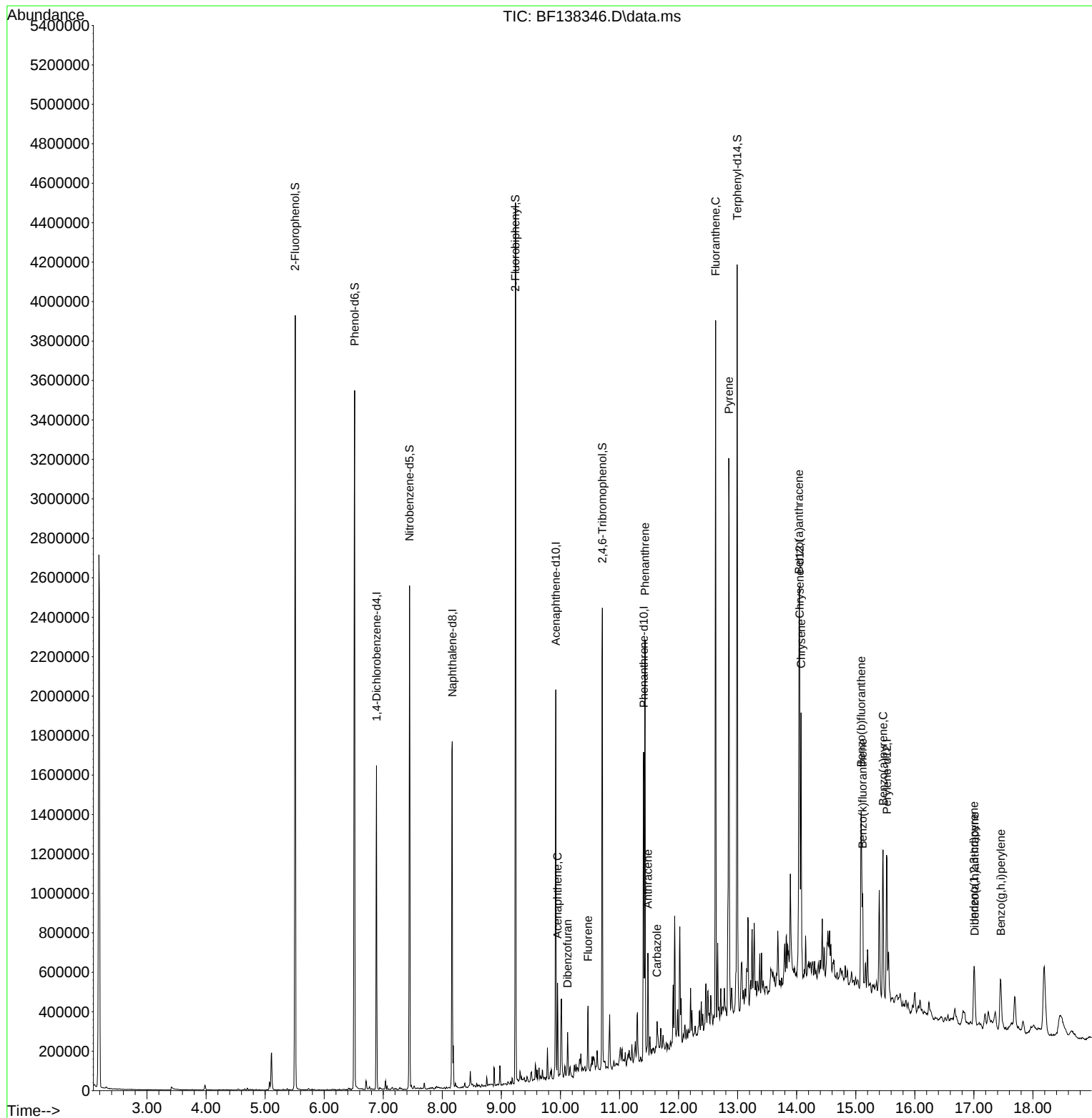
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062524\
Data File : BF138346.D
Acq On : 25 Jun 2024 21:08
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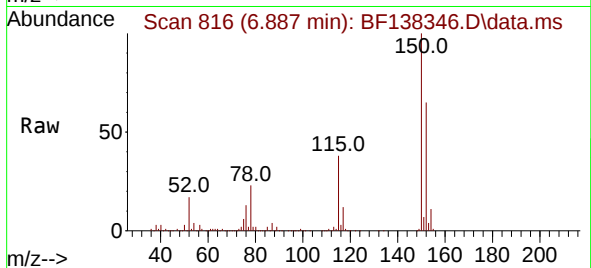
Quant Time: Jun 26 01:02:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

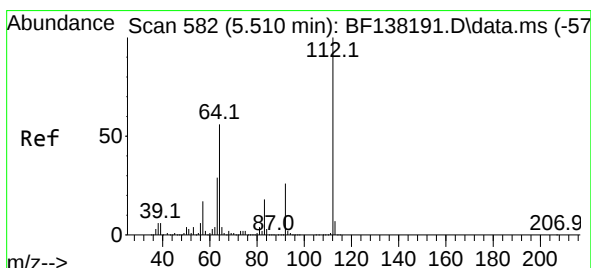
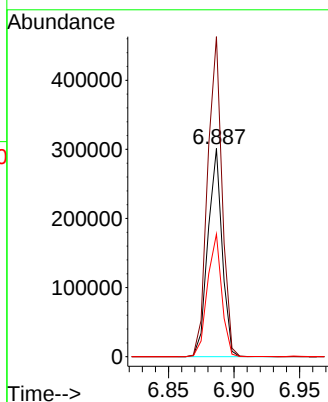
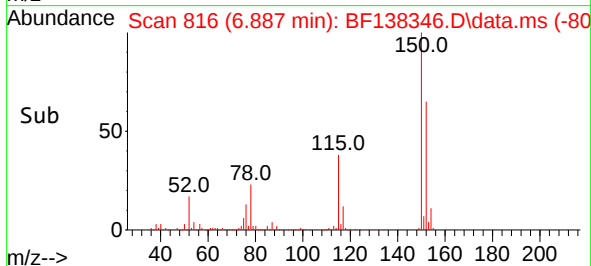
Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24



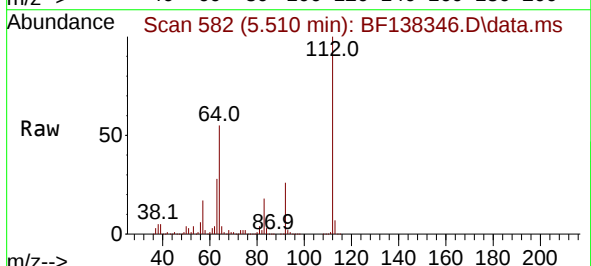
Tgt Ion:152 Resp: 22727
Ion Ratio Lower Upper
152 100
150 153.7 125.0 187.4
115 58.9 48.4 72.6

Manual Integrations
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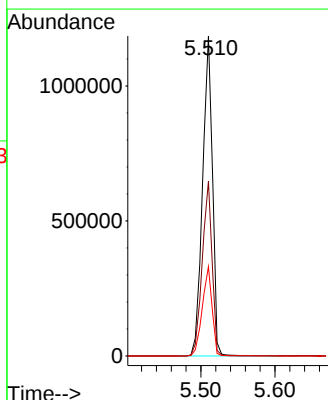
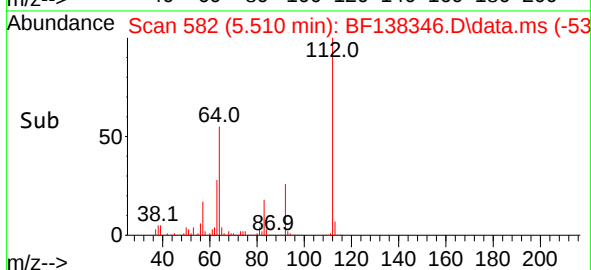
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024

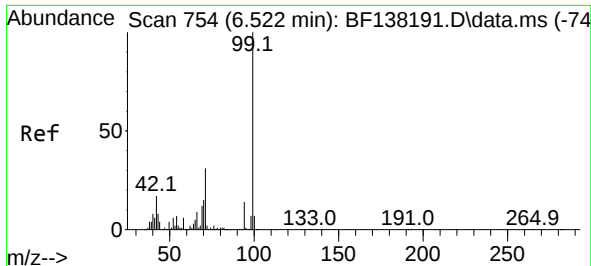


#5
2-Fluorophenol
Concen: 81.402 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08



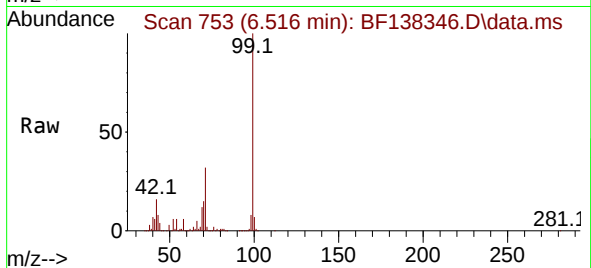
Tgt Ion:112 Resp: 1105955
Ion Ratio Lower Upper
112 100
64 54.6 45.2 67.8
63 27.9 22.9 34.3





#7
Phenol-d6
Concen: 75.358 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

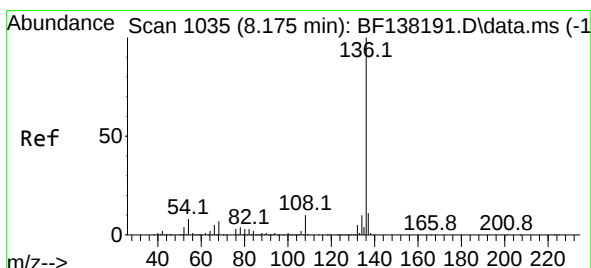
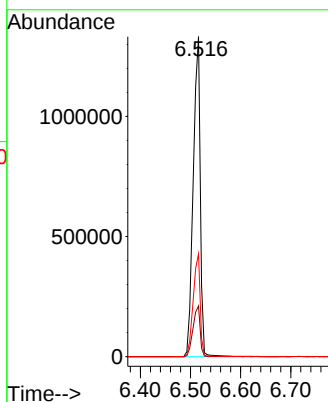
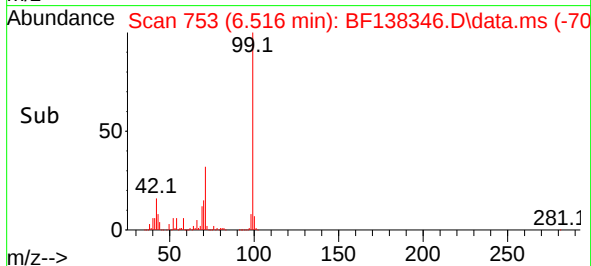
Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24



Tgt Ion: 99 Resp: 1298270
Ion Ratio Lower Upper
99 100
42 15.9 13.7 20.5
71 32.1 25.0 37.6

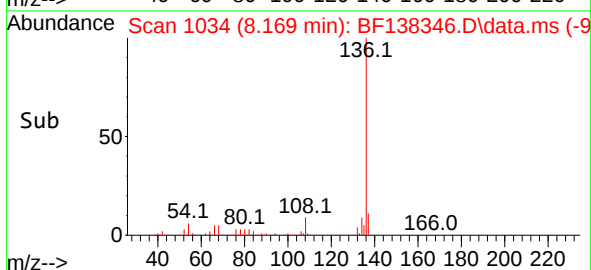
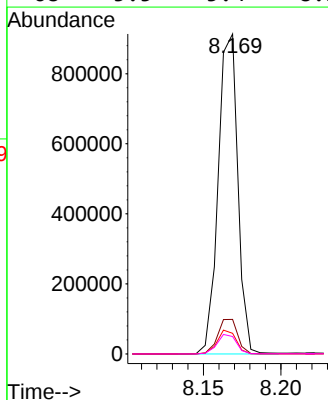
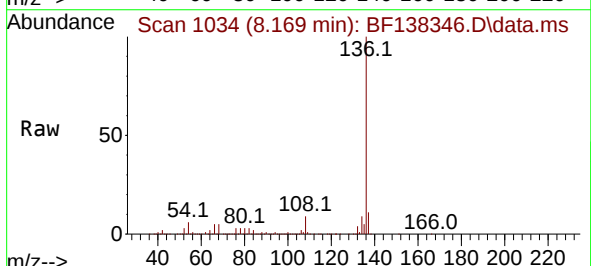
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

Tgt Ion:136 Resp: 806005
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 6.4 6.6 10.0#
68 5.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 57.447 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24

Tgt Ion: 82 Resp: 795350

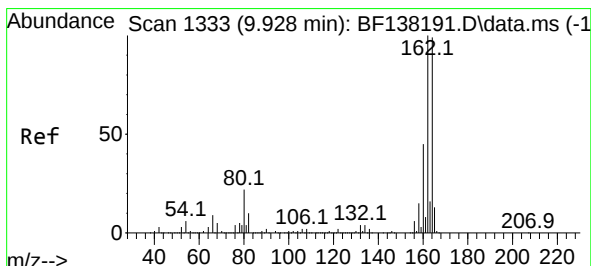
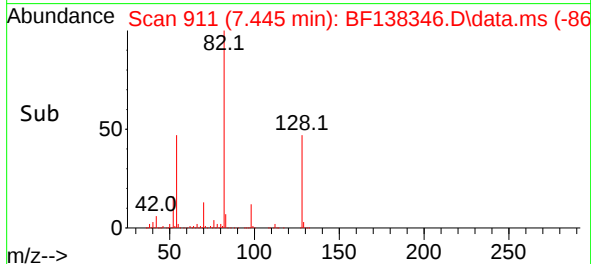
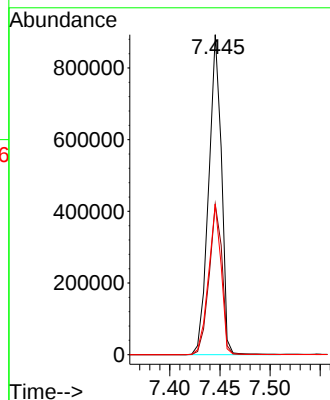
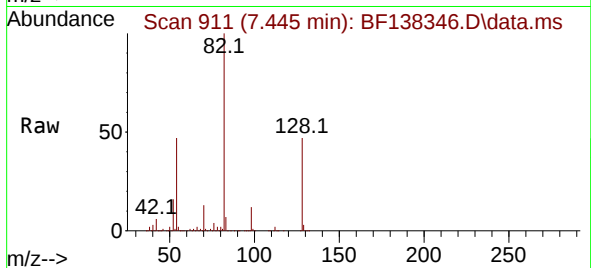
Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.2	55.8
54	47.0	39.8	59.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1332

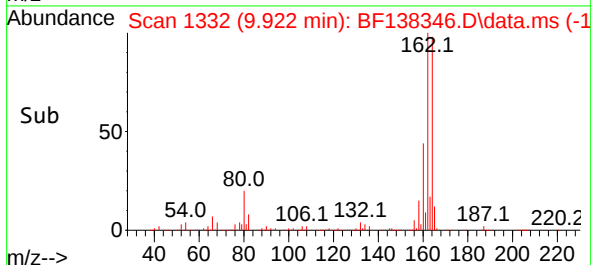
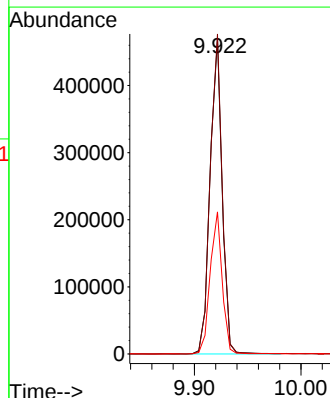
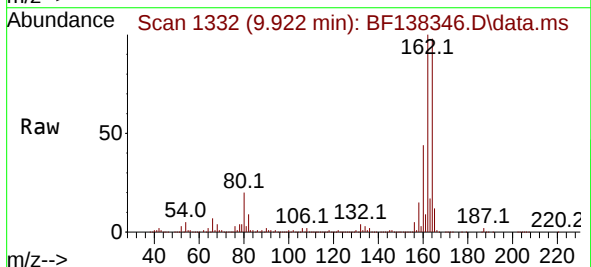
Delta R.T. -0.006 min

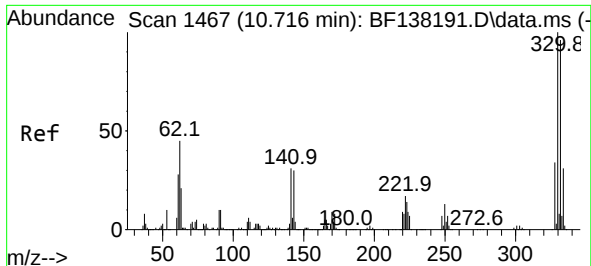
Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

Tgt Ion:164 Resp: 371073

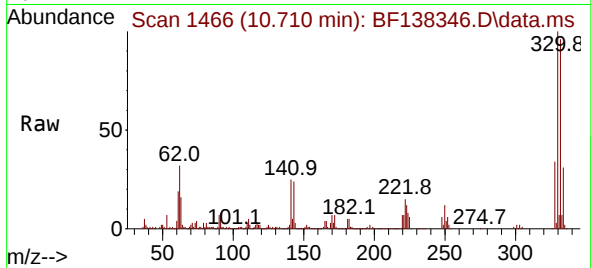
Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	121.0
160	45.1	36.3	54.5





#42
2,4,6-Tribromophenol
Concen: 83.112 ng
RT: 10.710 min Scan# 1467
Delta R.T. -0.006 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

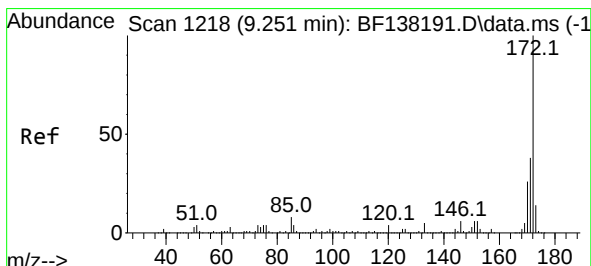
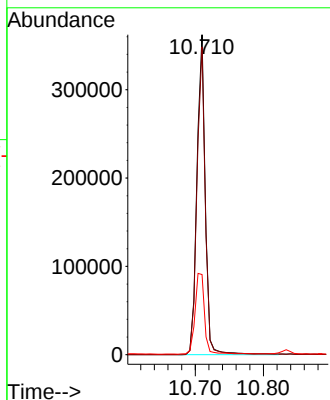
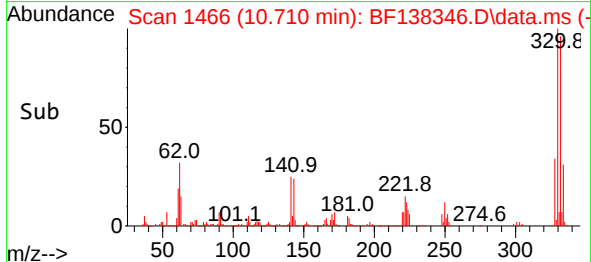
Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24



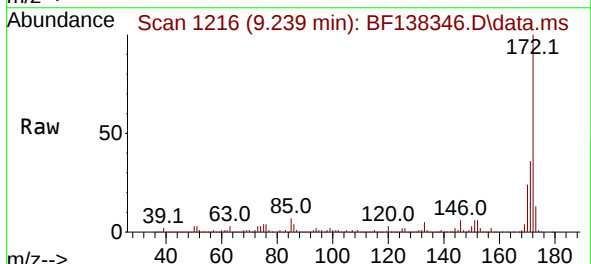
Tgt Ion: 330 Resp: 307025
Ion Ratio Lower Upper
330 100
332 95.3 76.6 115.0
141 28.7 23.9 35.9

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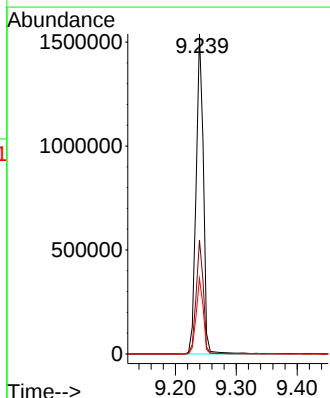
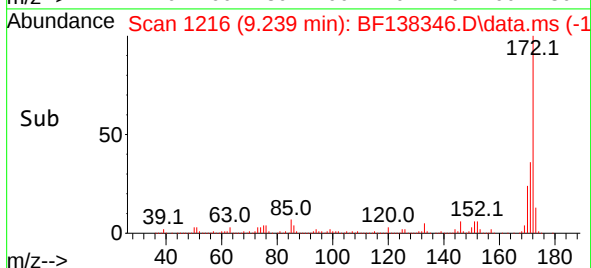
Reviewed By : Yogesh Patel 06/26/2024
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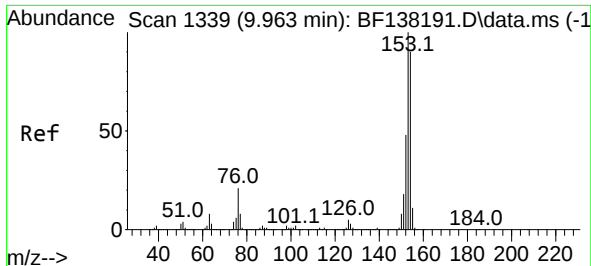


#45
2-Fluorobiphenyl
Concen: 54.990 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08



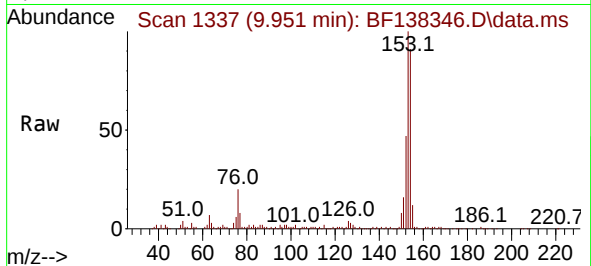
Tgt Ion: 172 Resp: 1283223
Ion Ratio Lower Upper
172 100
171 35.6 30.3 45.5
170 23.6 20.6 30.8





#52
Acenaphthene
Concen: 4.263 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

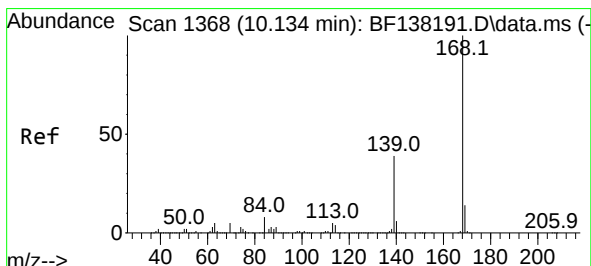
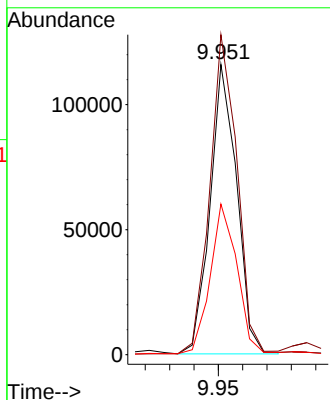
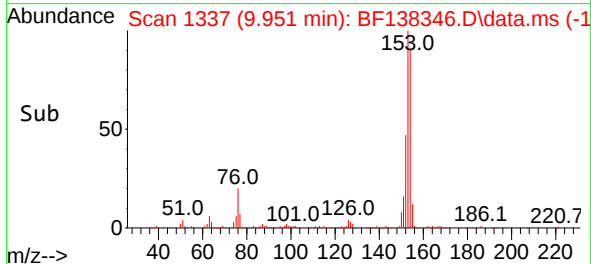
Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24



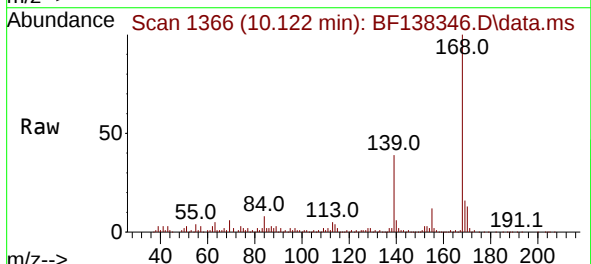
Tgt Ion:154 Resp: 8771
Ion Ratio Lower Upper
154 100
153 110.2 89.1 133.7
152 51.9 42.4 63.6

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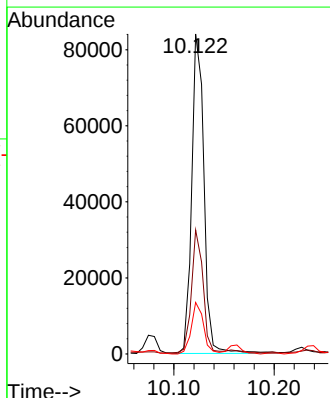
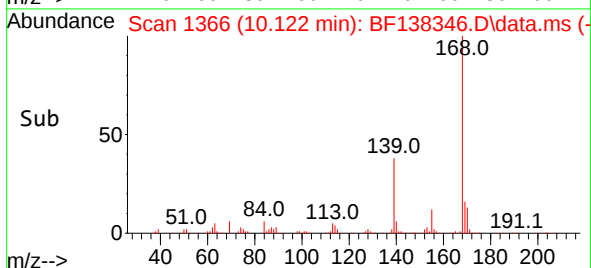
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024

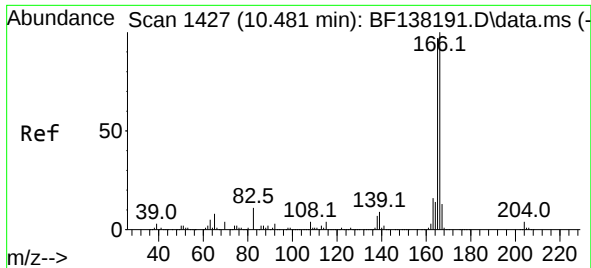


#55
Dibenzofuran
Concen: 2.482 ng
RT: 10.122 min Scan# 1366
Delta R.T. -0.012 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08



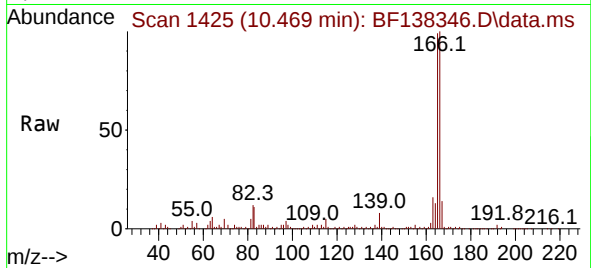
Tgt Ion:168 Resp: 71401
Ion Ratio Lower Upper
168 100
139 38.8 31.0 46.4
169 16.1 11.4 17.0





#58
Fluorene
Concen: 3.795 ng m
RT: 10.469 min Scan# 1425
Delta R.T. -0.012 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

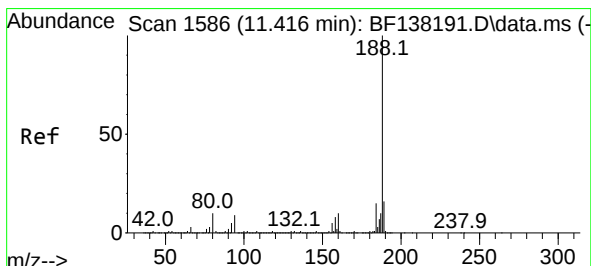
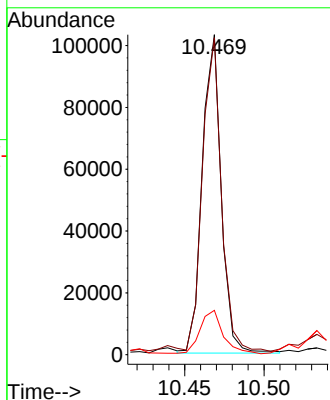
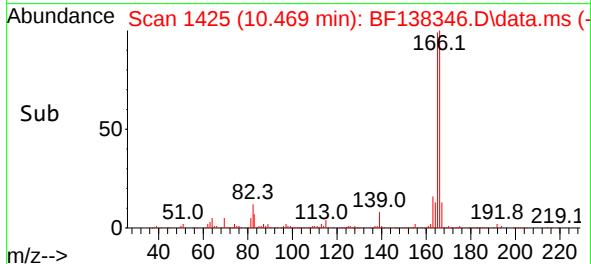
Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24



Tgt Ion:166 Resp: 85820
Ion Ratio Lower Upper
166 100
165 99.1 77.9 116.9
167 13.9 10.7 16.1

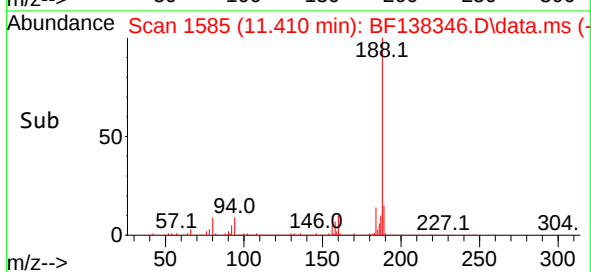
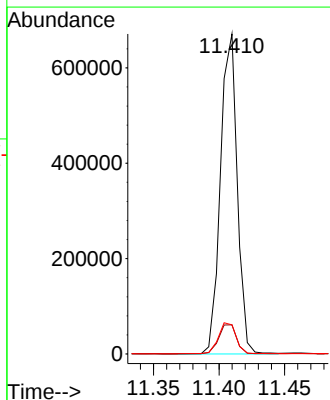
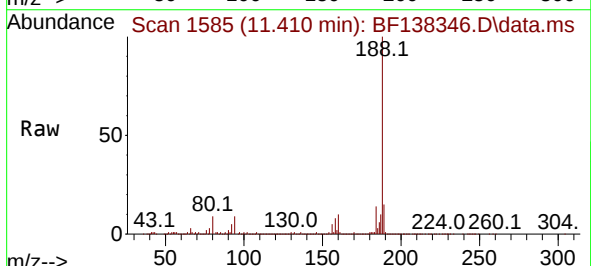
Manual Integrations
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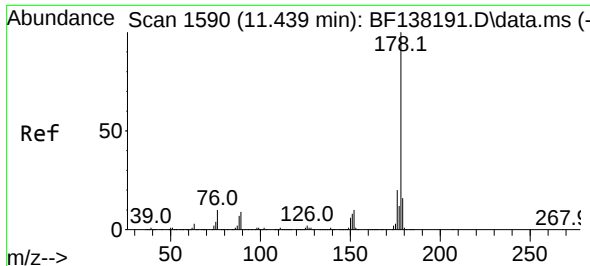
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

Tgt Ion:188 Resp: 596944
Ion Ratio Lower Upper
188 100
94 9.1 7.6 11.4
80 9.1 8.1 12.1





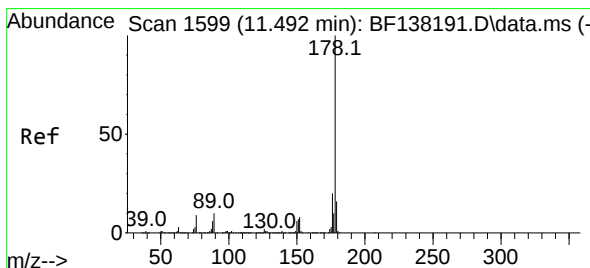
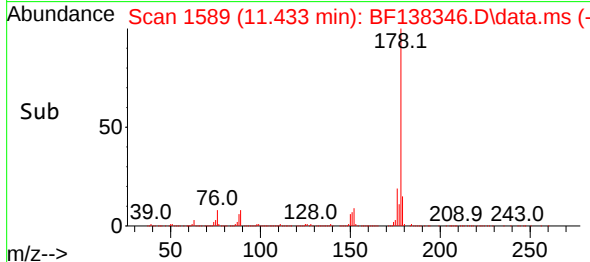
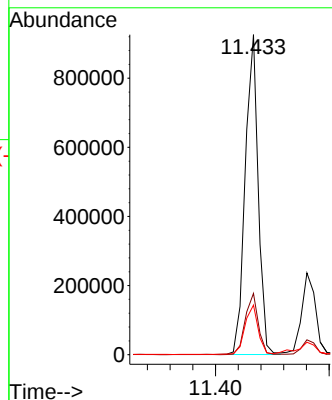
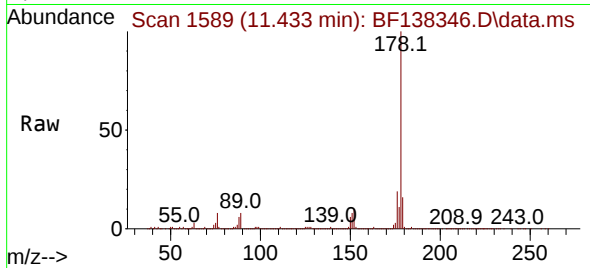
#71
Phenanthrene
Concen: 24.905 ng
RT: 11.433 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Tgt Ion:178 Resp: 735225
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 15.5 13.1 19.7

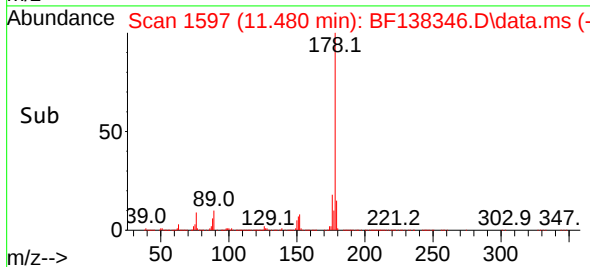
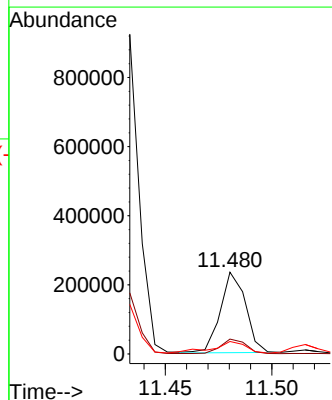
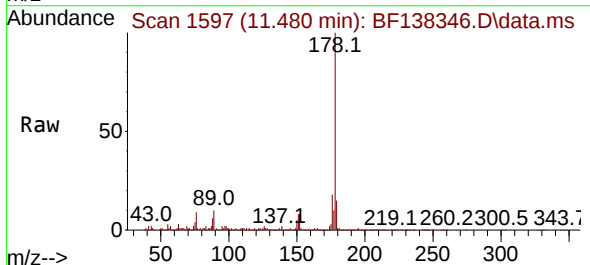
Manual Integrations
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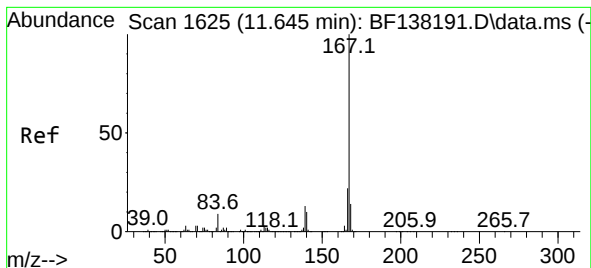
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#72
Anthracene
Concen: 6.569 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.012 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

Tgt Ion:178 Resp: 192548
Ion Ratio Lower Upper
178 100
176 18.1 15.7 23.5
179 15.4 13.0 19.6





#73

Carbazole

Concen: 2.267 ng

RT: 11.633 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24

Tgt Ion:167 Resp: 6095

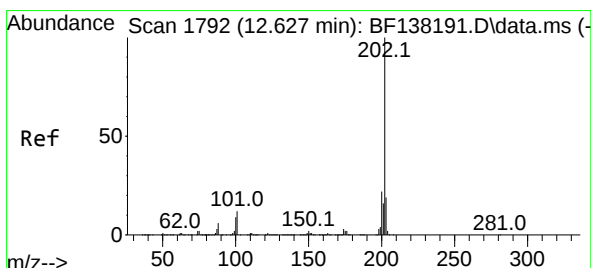
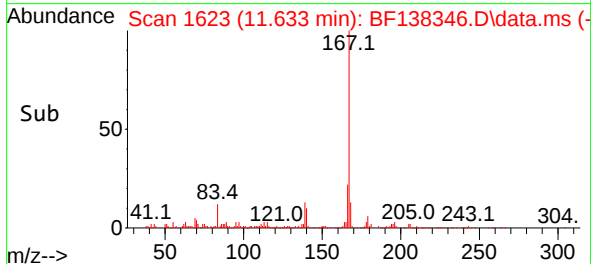
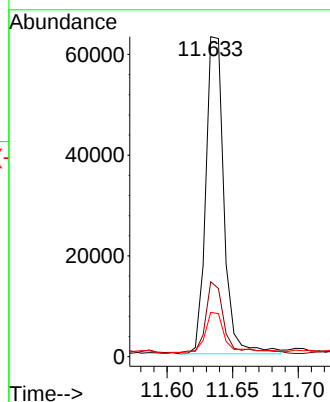
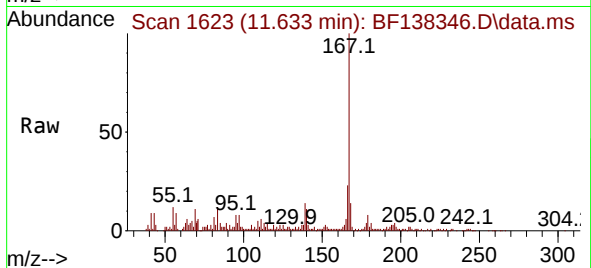
Ion	Ratio	Lower	Upper
167	100		
166	23.4	18.0	27.0
139	13.9	10.6	16.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#75

Fluoranthene

Concen: 40.957 ng

RT: 12.627 min Scan# 1792

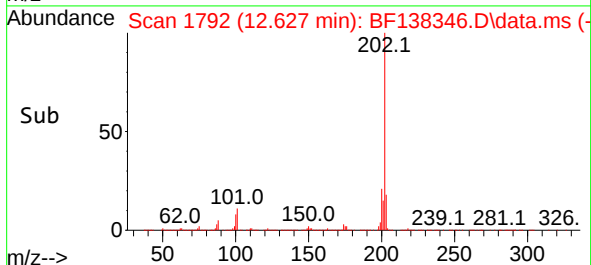
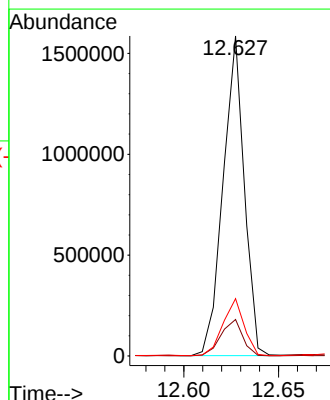
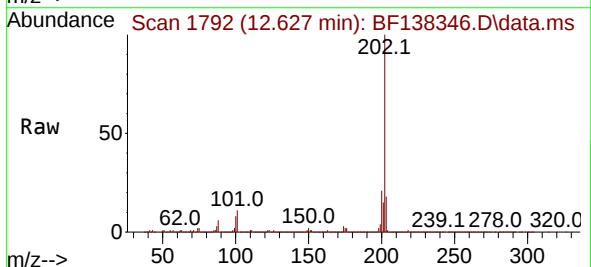
Delta R.T. -0.000 min

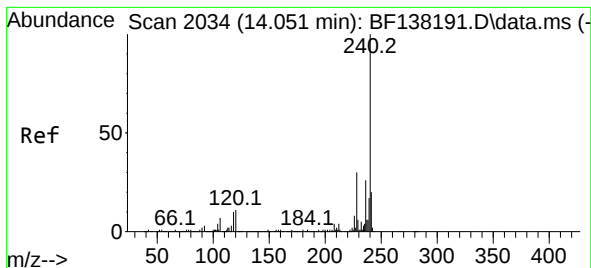
Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

Tgt Ion:202 Resp: 1232920

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.8
203	17.9	0.0	38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24

Tgt Ion:240 Resp: 426082

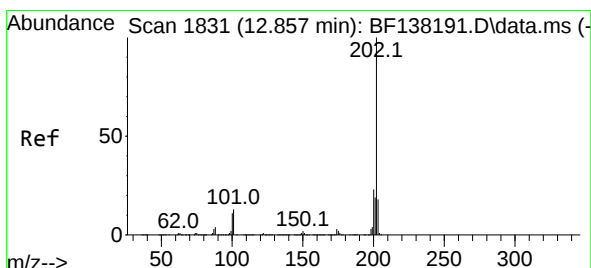
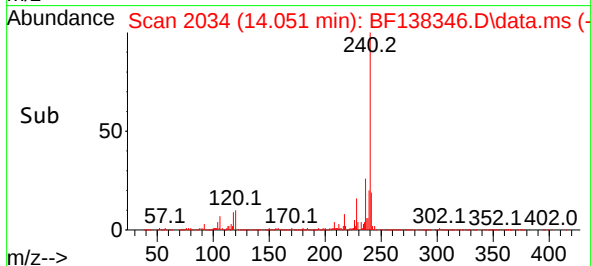
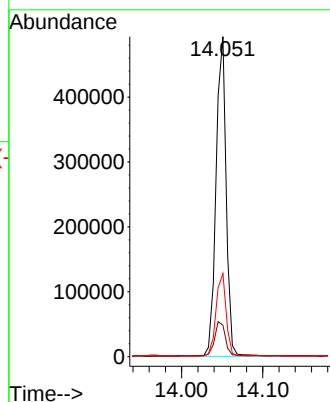
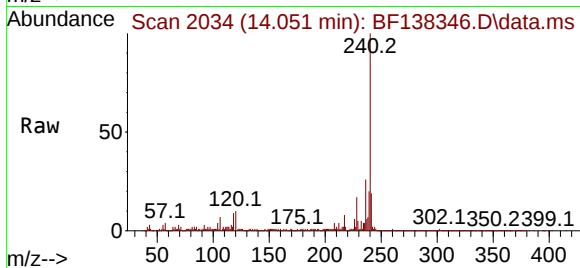
Ion	Ratio	Lower	Upper
240	100		
120	9.8	9.2	13.8
236	26.0	21.0	31.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#78

Pyrene

Concen: 33.490 ng

RT: 12.851 min Scan# 1830

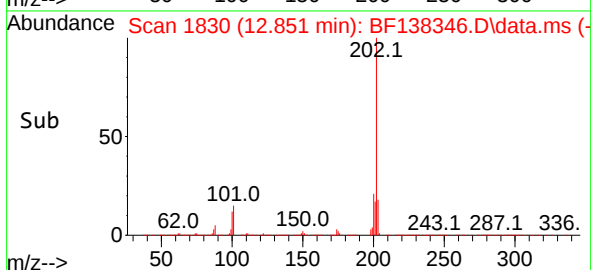
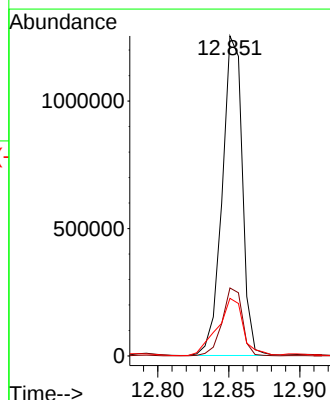
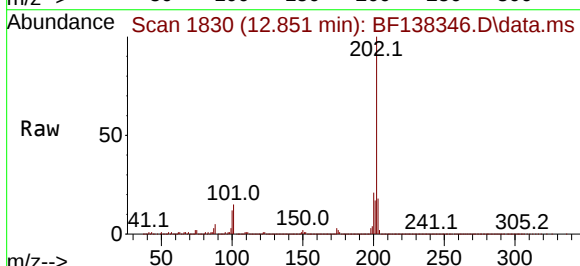
Delta R.T. -0.006 min

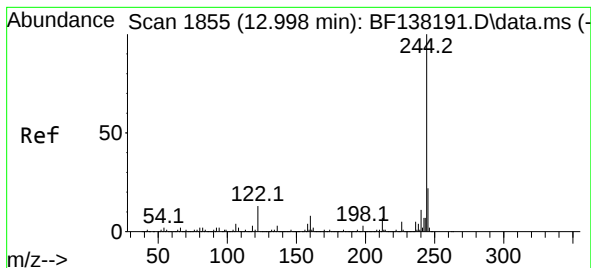
Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

Tgt Ion:202 Resp: 1230829

Ion	Ratio	Lower	Upper
202	100		
200	21.2	18.0	27.0
203	18.0	14.7	22.1





#79

Terphenyl-d14

Concen: 48.292 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF138346.D

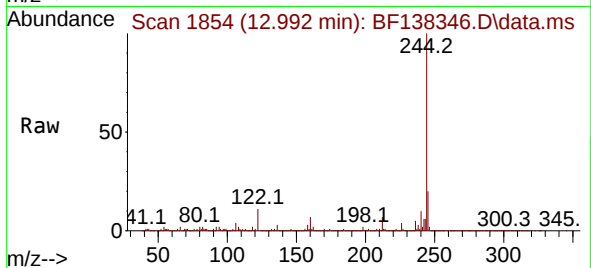
Acq: 25 Jun 2024 21:08

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24



Tgt Ion:244 Resp: 129914

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

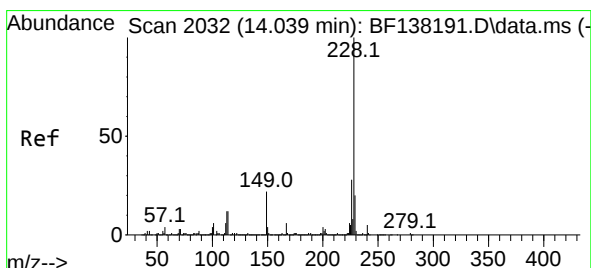
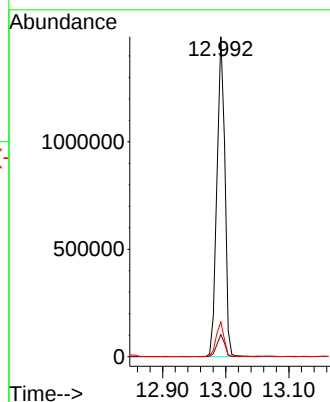
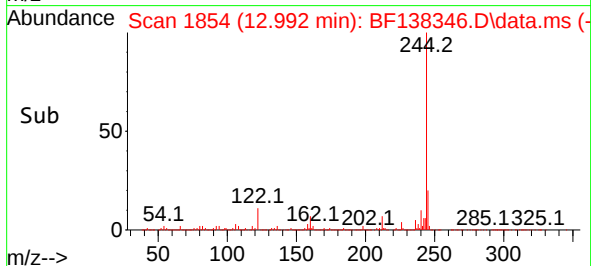
122 10.8 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#81

Benzo(a)anthracene

Concen: 20.120 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

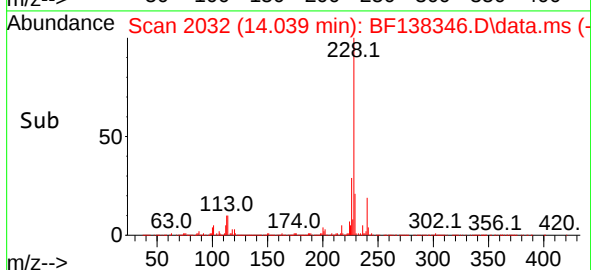
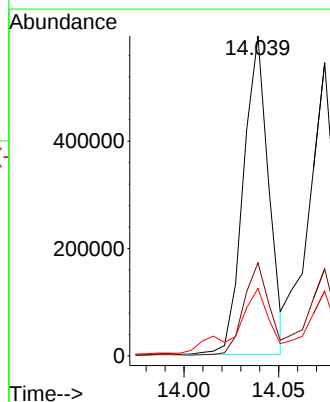
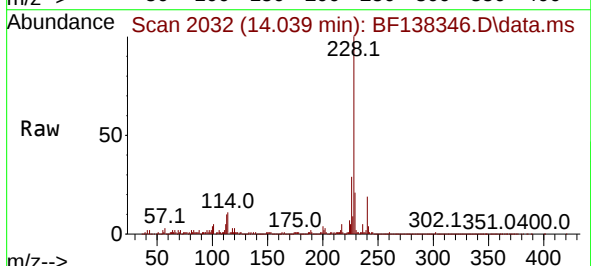
Tgt Ion:228 Resp: 549995

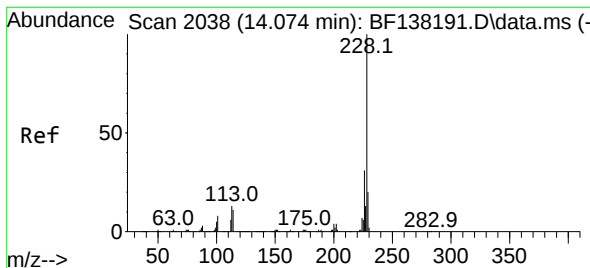
Ion Ratio Lower Upper

228 100

226 29.1 22.5 33.7

229 21.1 16.3 24.5





#83

Chrysene

Concen: 19.974 ng m

RT: 14.074 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24

Tgt Ion:228 Resp: 520429

Ion Ratio Lower Upper

228 100

226 29.7 24.5 36.7

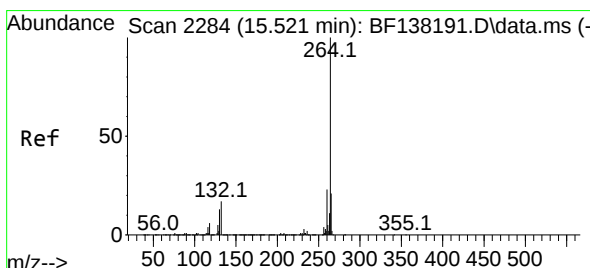
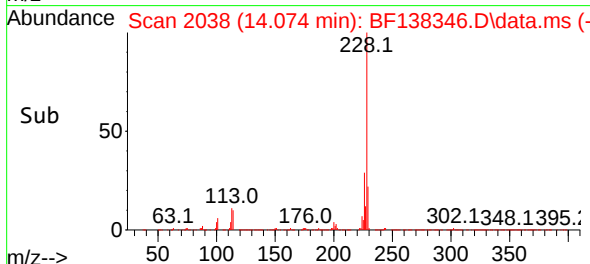
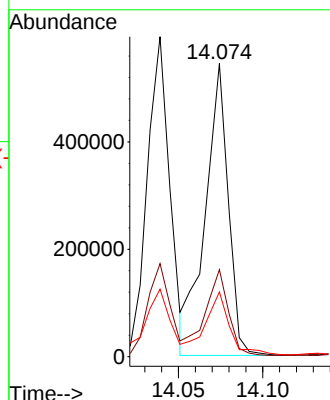
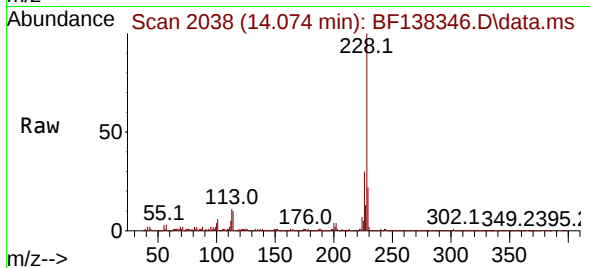
229 22.1 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2285

Delta R.T. 0.006 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

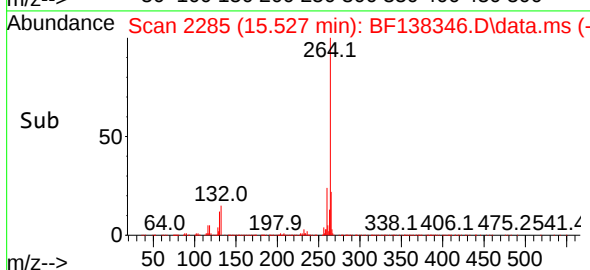
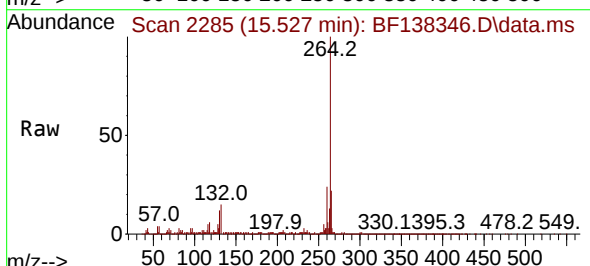
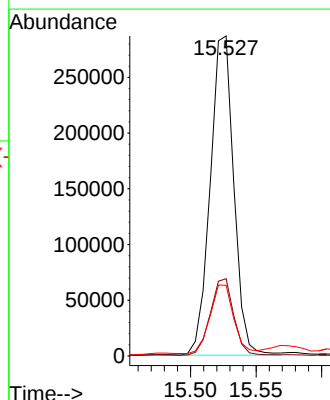
Tgt Ion:264 Resp: 358373

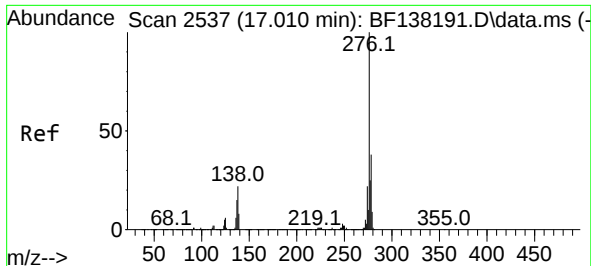
Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 22.1 17.0 25.6





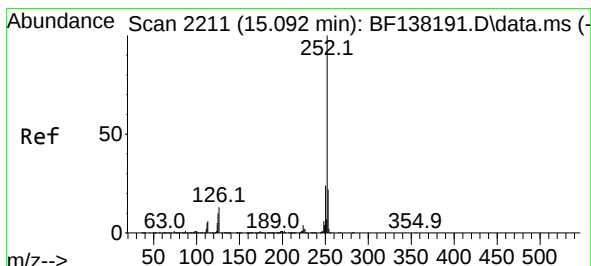
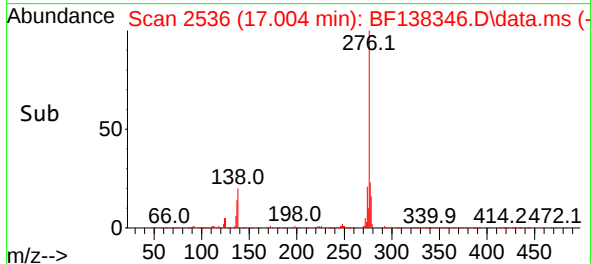
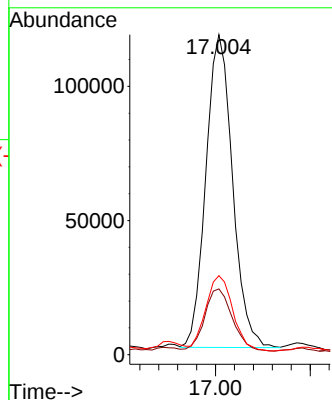
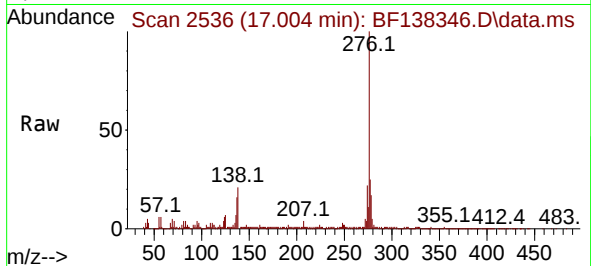
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.756 ng
RT: 17.004 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

Tgt Ion:276 Resp: 22792
Ion Ratio Lower Upper
276 100
138 21.2 19.3 28.9
277 24.2 20.2 30.2

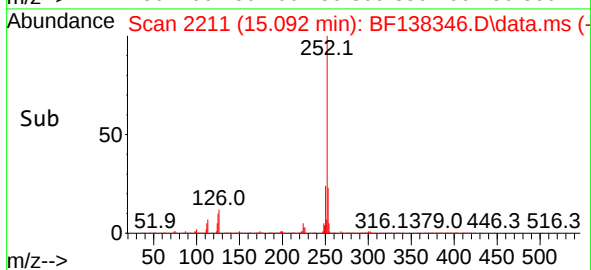
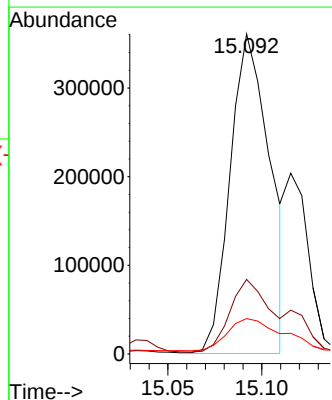
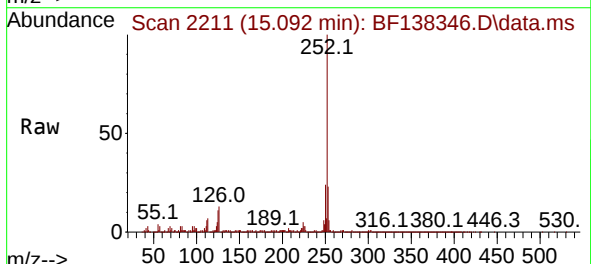
Manual Integrations
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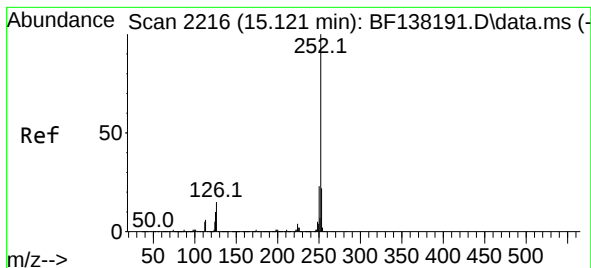
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#88
Benzo(b)fluoranthene
Concen: 25.151 ng m
RT: 15.092 min Scan# 2211
Delta R.T. -0.000 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

Tgt Ion:252 Resp: 531543
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 11.1 7.8 11.8





#89

Benzo(k)fluoranthene

Concen: 8.191 ng m

RT: 15.115 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24

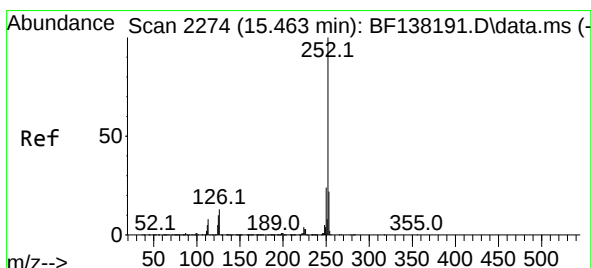
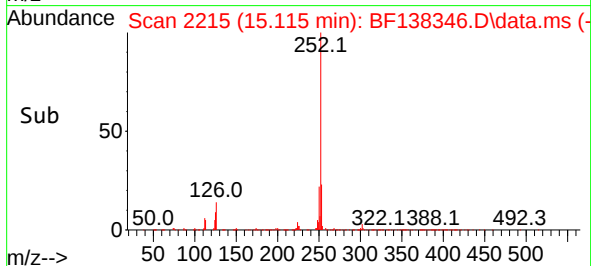
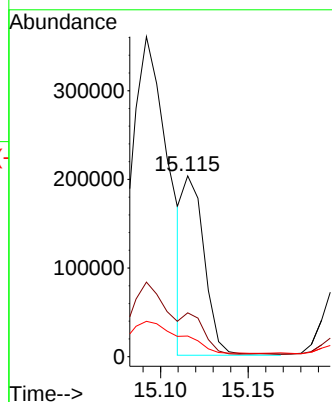
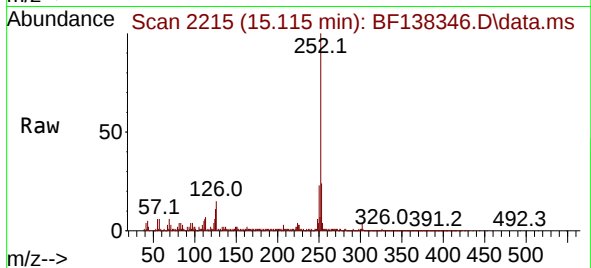
Tgt Ion:252 Resp: 169652
 Ion Ratio Lower Upper
 252 100
 253 24.3 17.8 26.8
 125 11.4 8.0 12.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#90

Benzo(a)pyrene

Concen: 20.767 ng

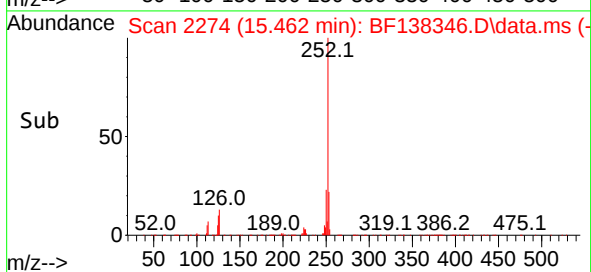
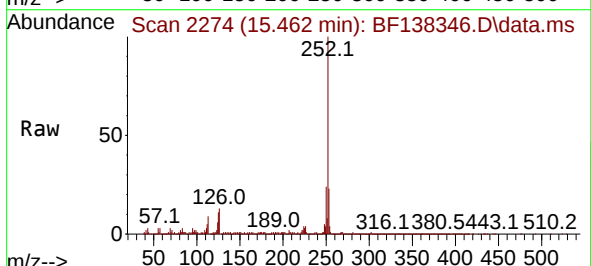
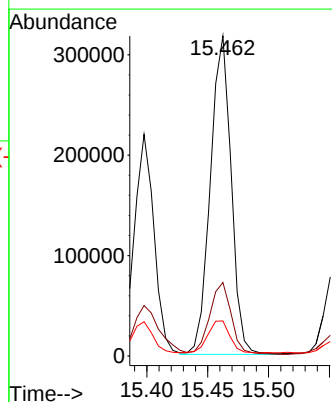
RT: 15.462 min Scan# 2274

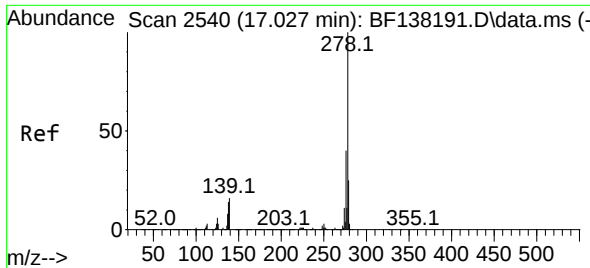
Delta R.T. -0.000 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

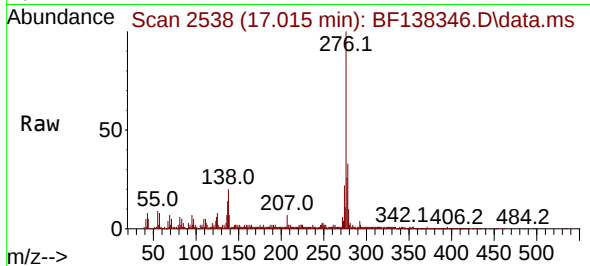
Tgt Ion:252 Resp: 377041
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.7 26.5
 125 11.0 8.2 12.2





#91
Dibenzo(a,h)anthracene
Concen: 3.019 ng m
RT: 17.015 min Scan# 2538
Delta R.T. -0.012 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

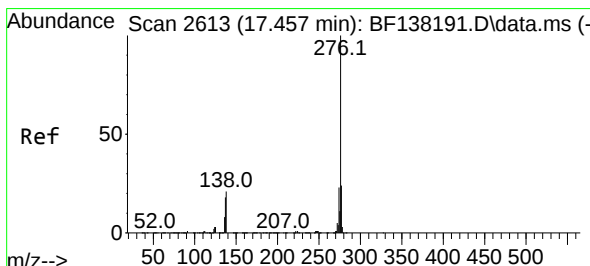
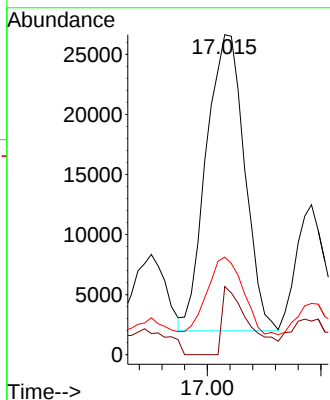
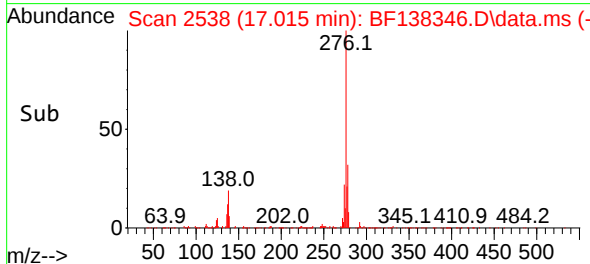
Instrument : BNA_F
ClientSampleId : WC-WS-6-21-24



Tgt Ion:278 Resp: 57894
Ion Ratio Lower Upper
278 100
139 21.3 12.9 19.3
279 30.5 19.9 29.9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#92
Benzo(g,h,i)perylene
Concen: 11.759 ng
RT: 17.456 min Scan# 2613
Delta R.T. -0.000 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

Tgt Ion:276 Resp: 233270
Ion Ratio Lower Upper
276 100
277 23.5 19.5 29.3
138 20.3 16.6 24.8

