

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062524\
 Data File : BF138345.D
 Acq On : 25 Jun 2024 20:38
 Operator : CG\JU
 Sample : P3021-07 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-006

Manual Integrations
 APPROVED

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

Quant Time: Jun 26 01:02:41 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	216617	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	801197	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	373042	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	575569	20.000	ng	0.00
76) Chrysene-d12	14.045	240	413835	20.000	ng	0.00
86) Perylene-d12	15.521	264	335202	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	124881	9.644	ng	-0.01
7) Phenol-d6	6.504	99	150302	9.154	ng	-0.02
23) Nitrobenzene-d5	7.439	82	86431	6.280	ng	-0.02
42) 2,4,6-Tribromophenol	10.704	330	30860	8.310	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	187450	7.990	ng	-0.01
79) Terphenyl-d14	12.986	244	187412	7.173	ng	-0.01
Target Compounds						Qvalue
58) Fluorene	10.469	166	46294m	2.036	ng	
71) Phenanthrene	11.433	178	752367	26.432	ng	97
72) Anthracene	11.480	178	139329	4.930	ng	97
73) Carbazole	11.639	167	67117	2.589	ng	97
75) Fluoranthene	12.621	202	1069691	36.854	ng	99
78) Pyrene	12.851	202	920572	25.789	ng	98
81) Benzo(a)anthracene	14.039	228	492266	18.541	ng	98
83) Chrysene	14.074	228	440468	17.405	ng	98
84) Bis(2-ethylhexyl)phtha...	14.021	149	22986	2.035	ng	94
87) Indeno(1,2,3-cd)pyrene	17.004	276	176021	8.055	ng	95
88) Benzo(b)fluoranthene	15.092	252	476630m	24.112	ng	
89) Benzo(k)fluoranthene	15.115	252	134593m	6.948	ng	
90) Benzo(a)pyrene	15.457	252	288141	16.967	ng	97
91) Dibenzo(a,h)anthracene	17.015	278	46282	2.580	ng	92
92) Benzo(g,h,i)perylene	17.451	276	158866	8.562	ng	97

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

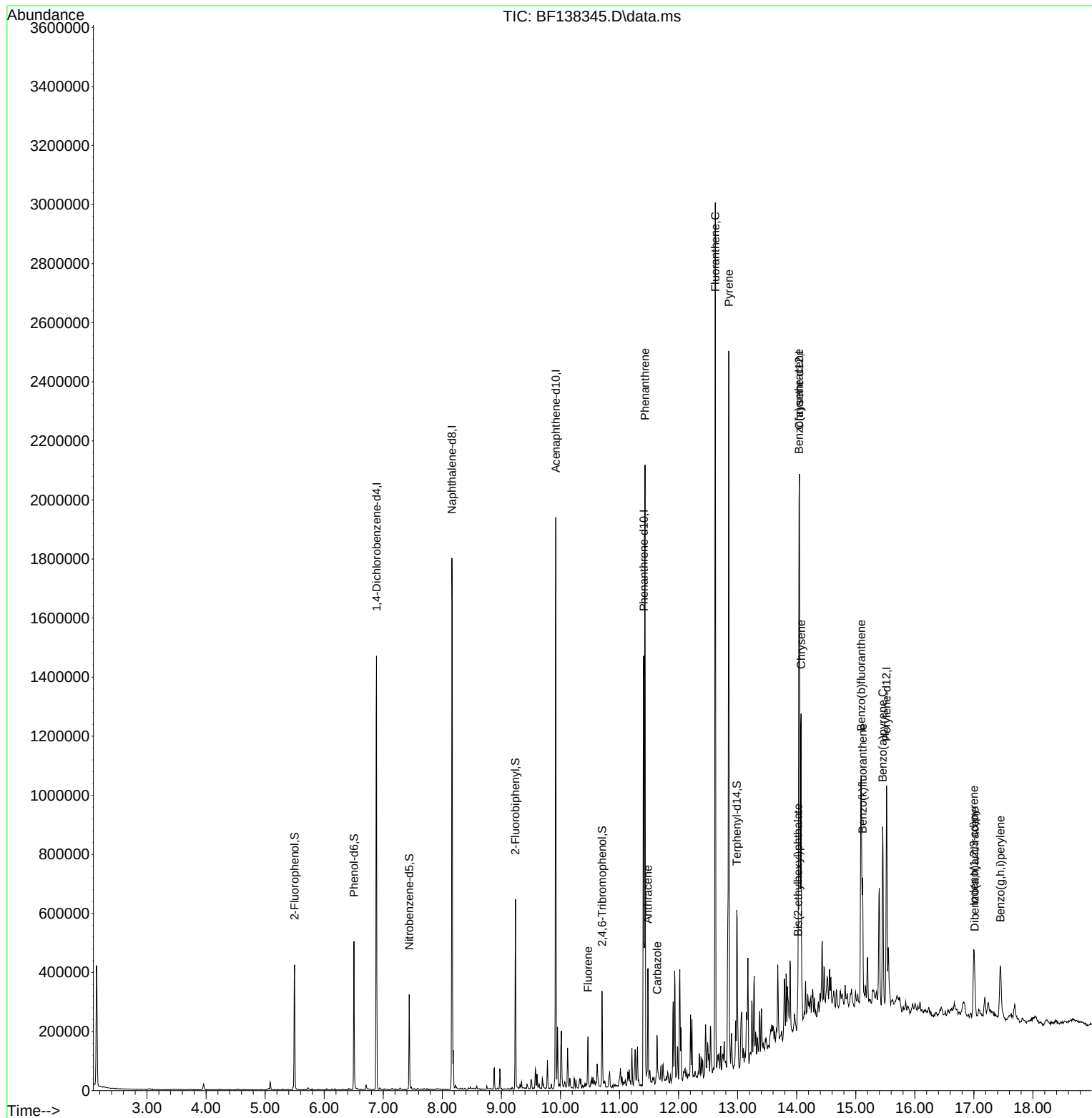
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062524\
Data File : BF138345.D
Acq On : 25 Jun 2024 20:38
Operator : CG\JU
Sample : P3021-07 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

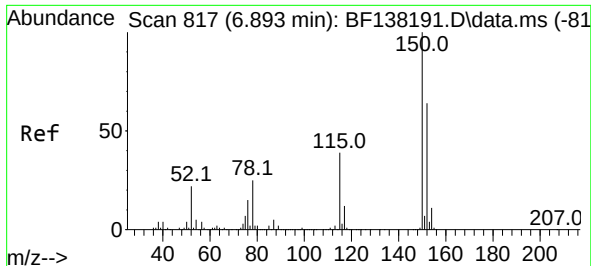
Instrument :
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ARS20-006

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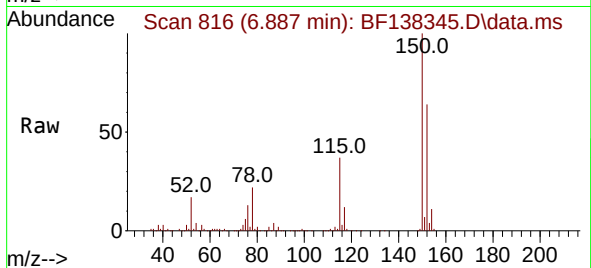
Quant Time: Jun 26 01:02:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

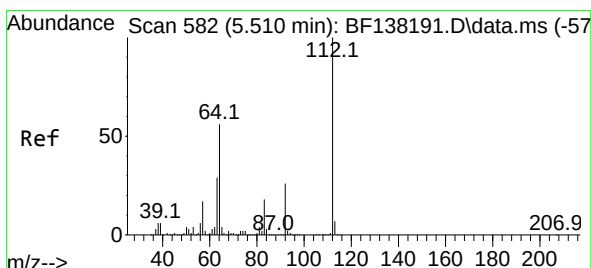
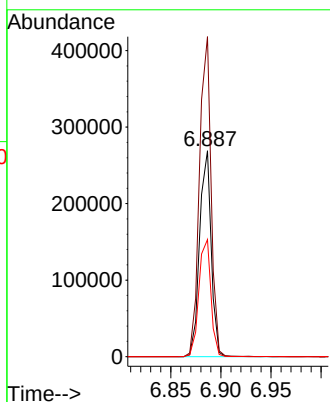
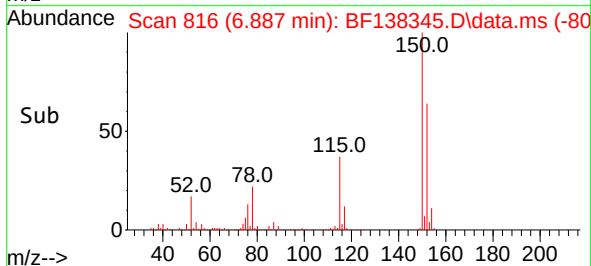
Instrument :
BNA_F
ClientSampleId :
ARS20-006



Tgt Ion:152 Resp: 216617
Ion Ratio Lower Upper
152 100
150 155.4 125.0 187.4
115 56.9 48.4 72.6

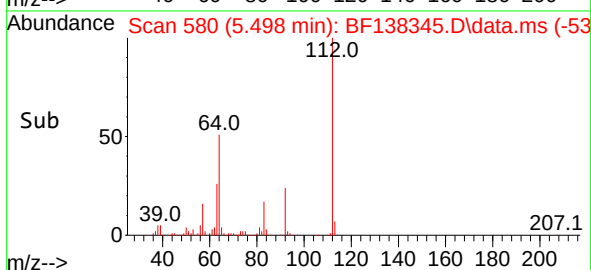
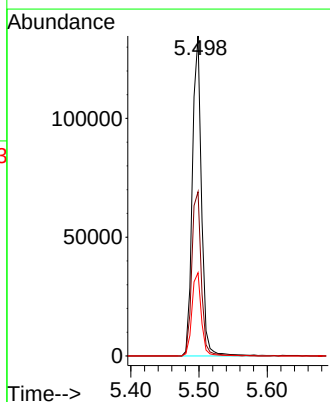
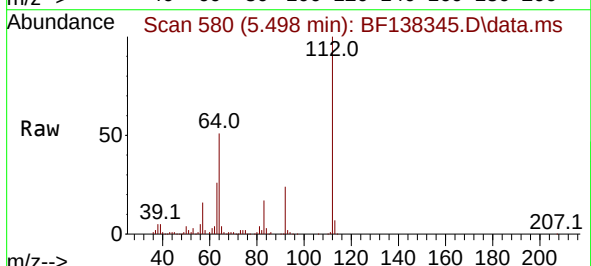
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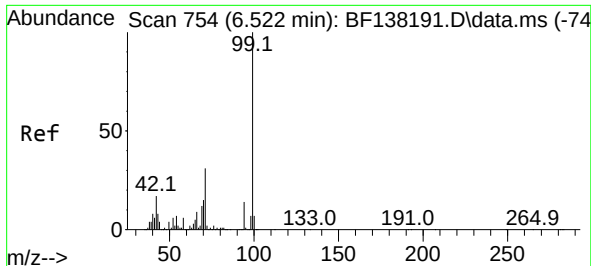
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#5
2-Fluorophenol
Concen: 9.644 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.012 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

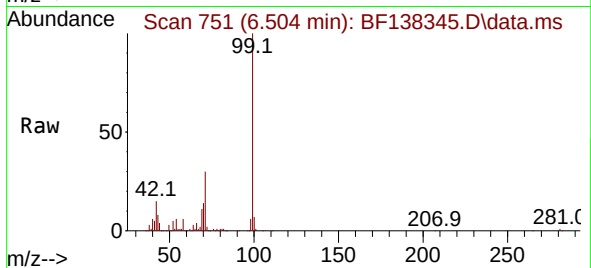
Tgt Ion:112 Resp: 124881
Ion Ratio Lower Upper
112 100
64 51.3 45.2 67.8
63 26.0 22.9 34.3





#7
Phenol-d6
Concen: 9.154 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

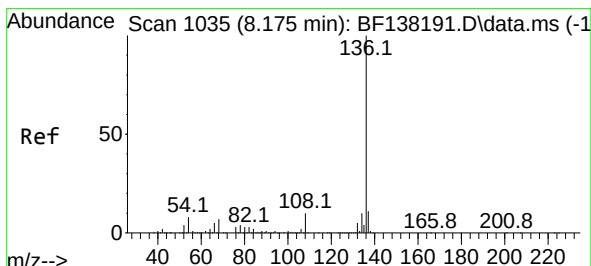
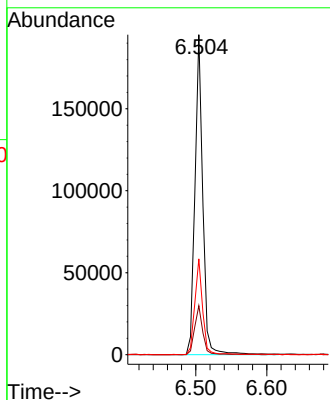
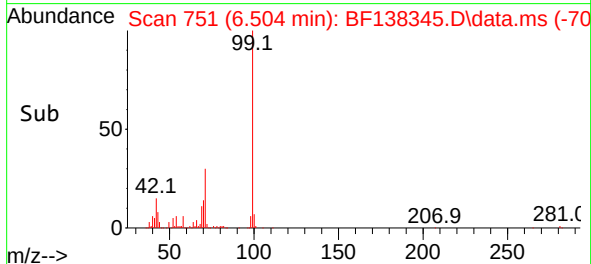
Instrument :
BNA_F
ClientSampleId :
ARS20-006



Tgt Ion: 99 Resp: 150302
Ion Ratio Lower Upper
99 100
42 15.3 13.7 20.5
71 29.9 25.0 37.6

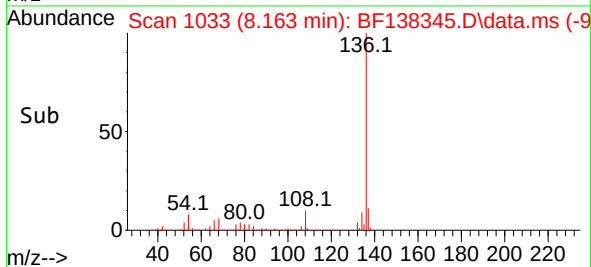
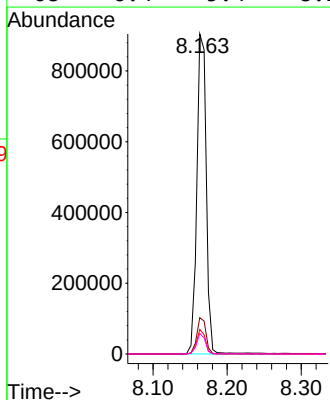
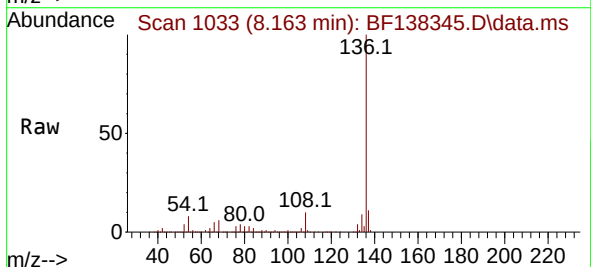
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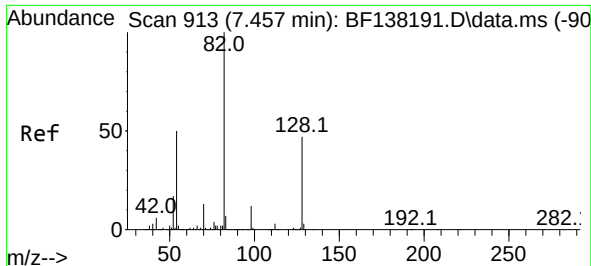
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

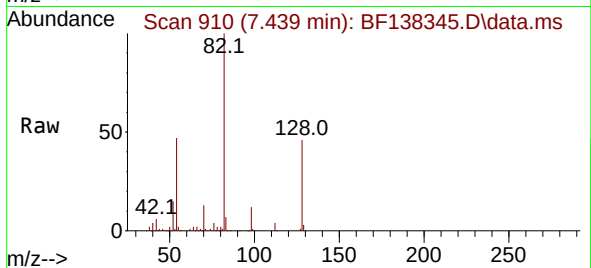
Tgt Ion:136 Resp: 801197
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 7.6 6.6 10.0
68 6.4 5.4 8.2





#23
Nitrobenzene-d5
Concen: 6.280 ng
RT: 7.439 min Scan# 913
Delta R.T. -0.018 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

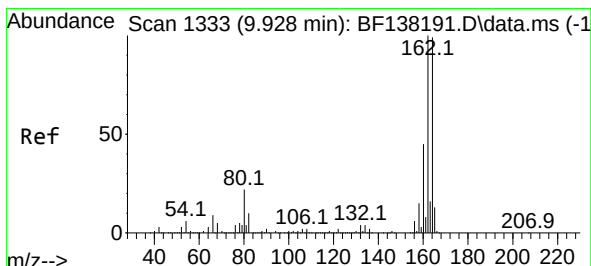
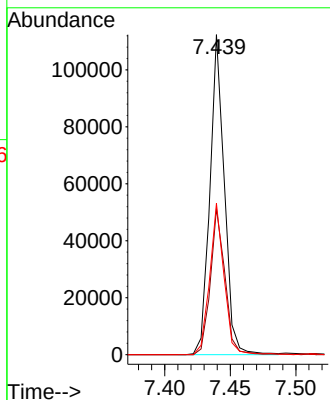
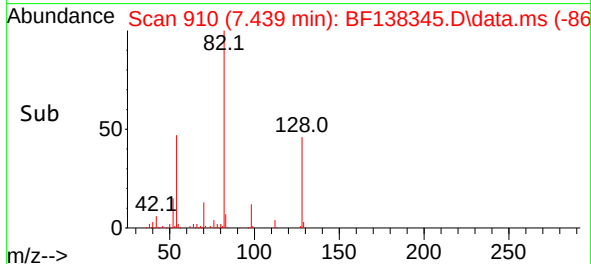
Instrument :
BNA_F
ClientSampleId :
ARS20-006



Tgt Ion: 82 Resp: 8643
Ion Ratio Lower Upper
82 100
128 45.7 37.2 55.8
54 47.3 39.8 59.6

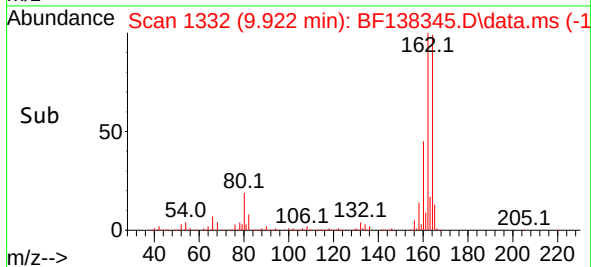
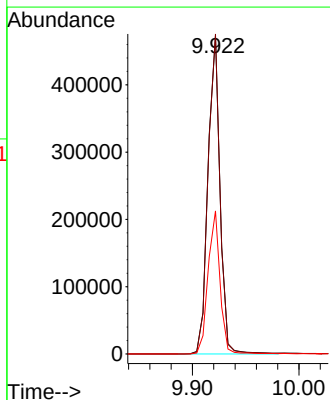
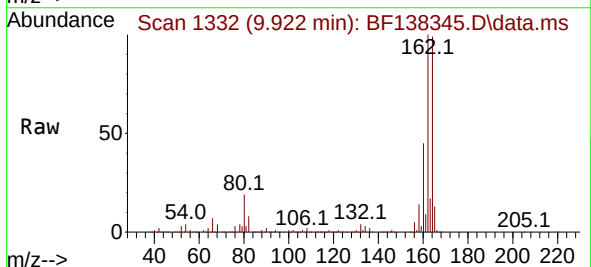
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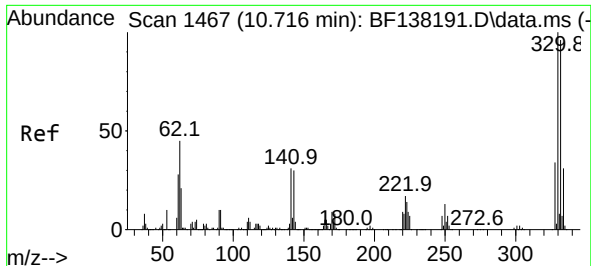
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

Tgt Ion:164 Resp: 373042
Ion Ratio Lower Upper
164 100
162 100.5 80.6 121.0
160 44.9 36.3 54.5





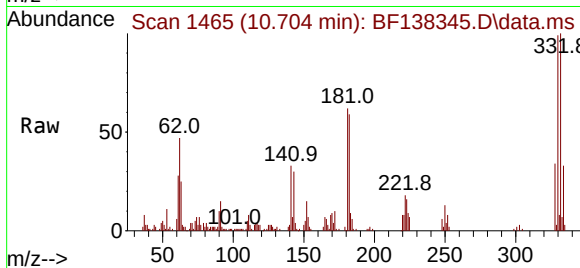
#42
2,4,6-Tribromophenol
Concen: 8.310 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

Instrument :

BNA_F

ClientSampleId :

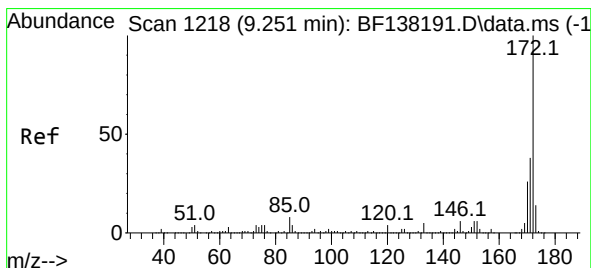
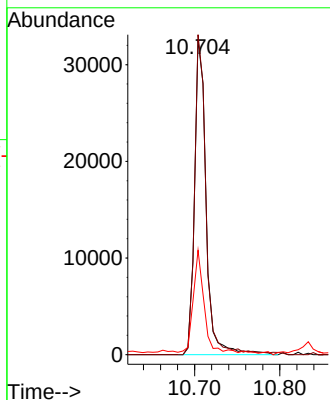
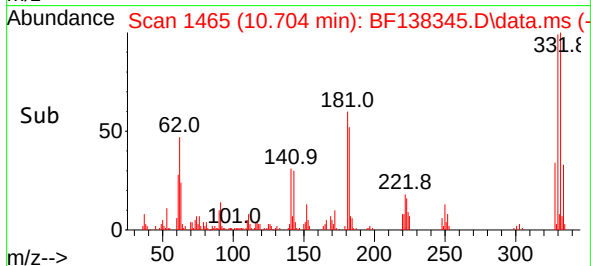
ARS20-006



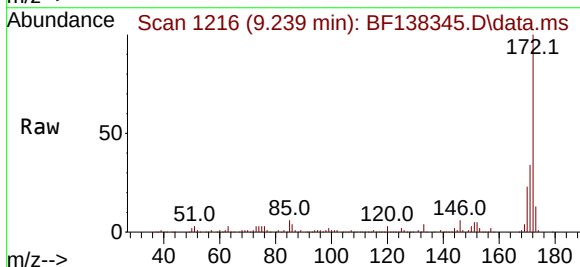
Tgt Ion: 330 Resp: 30860
Ion Ratio Lower Upper
330 100
332 100.1 76.6 115.0
141 29.6 23.9 35.9

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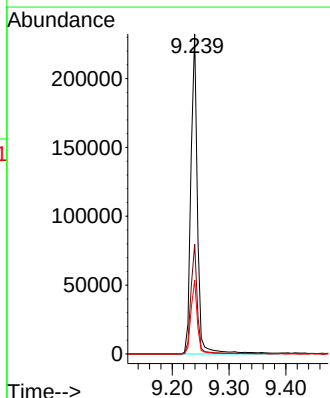
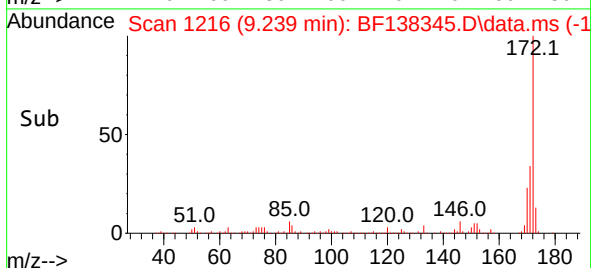
Reviewed By : Yogesh Patel 06/26/2024
Supervised By : mohammad ahmed 06/27/2024

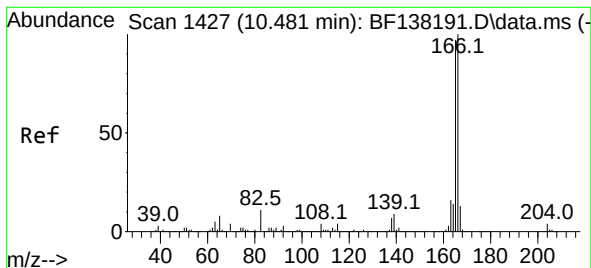


#45
2-Fluorobiphenyl
Concen: 7.990 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38



Tgt Ion: 172 Resp: 187450
Ion Ratio Lower Upper
172 100
171 34.3 30.3 45.5
170 23.0 20.6 30.8





#58

Fluorene

Concen: 2.036 ng m

RT: 10.469 min Scan# 1427

Delta R.T. -0.012 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

Instrument :

BNA_F

ClientSampleId :

ARS20-006

Tgt Ion:166 Resp: 46294

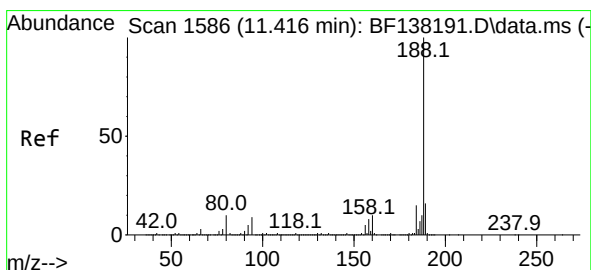
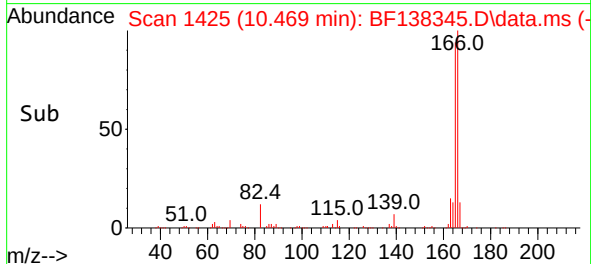
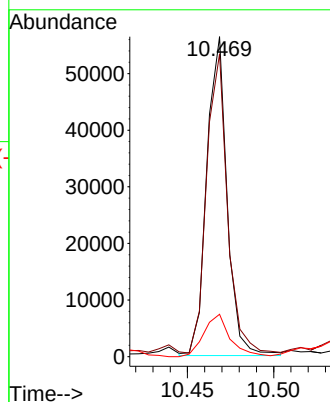
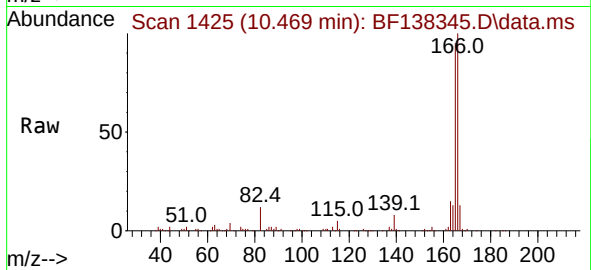
Ion	Ratio	Lower	Upper
166	100		
165	94.6	77.9	116.9
167	13.3	10.7	16.1

Manual Integrations

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Supervised By :mohammad ahmed 06/27/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1585

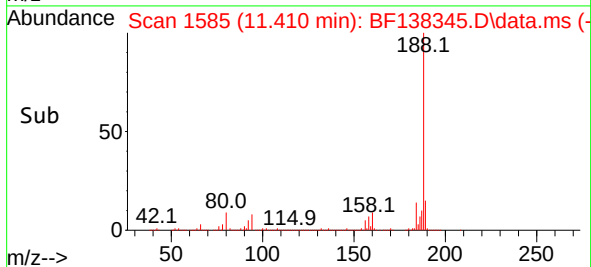
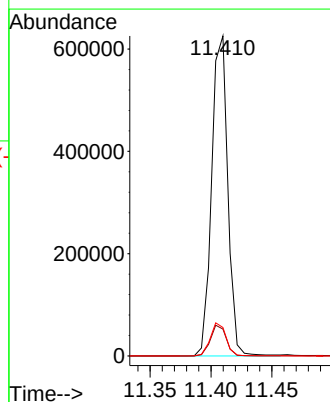
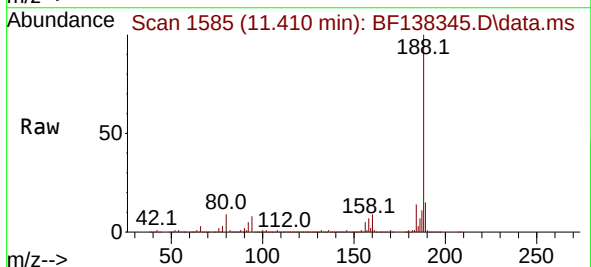
Delta R.T. -0.006 min

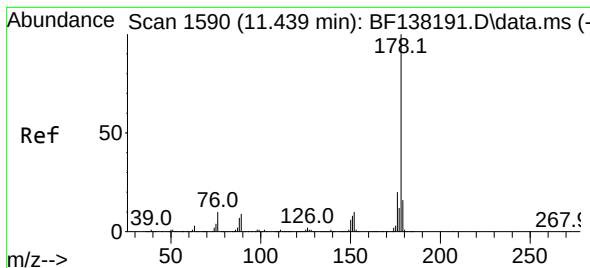
Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

Tgt Ion:188 Resp: 575569

Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.6	11.4
80	8.9	8.1	12.1





#71

Phenanthrene

Concen: 26.432 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

Instrument :

BNA_F

ClientSampleId :

ARS20-006

Tgt Ion:178 Resp: 75236

Ion Ratio Lower Upper

178 100

176 18.8 16.4 24.6

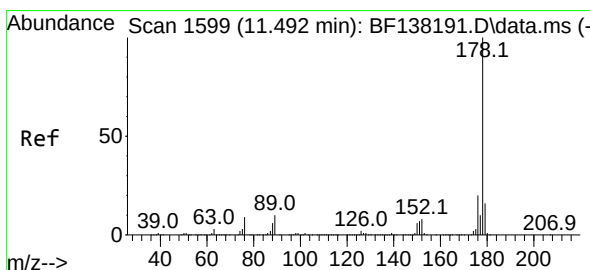
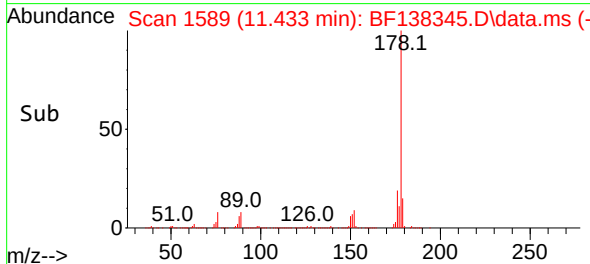
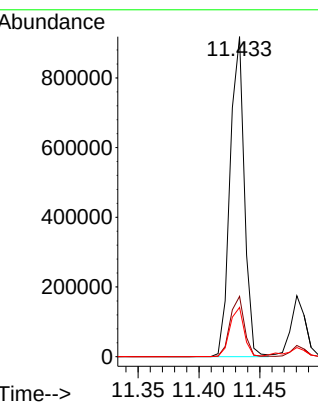
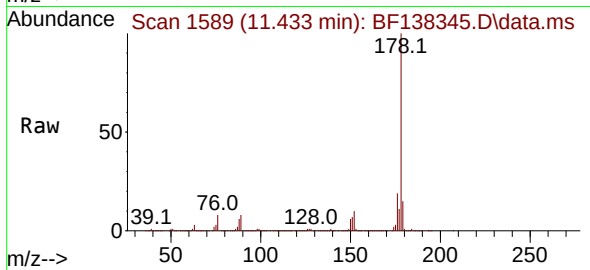
179 15.4 13.1 19.7

Manual Integrations

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Supervised By :mohammad ahmed 06/27/2024



#72

Anthracene

Concen: 4.930 ng

RT: 11.480 min Scan# 1597

Delta R.T. -0.012 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

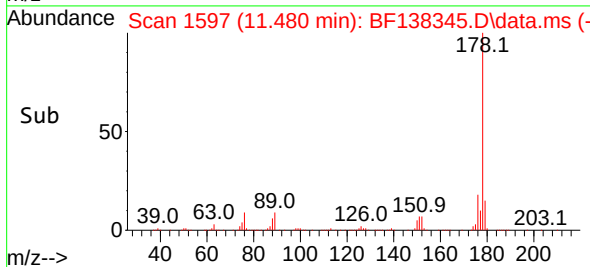
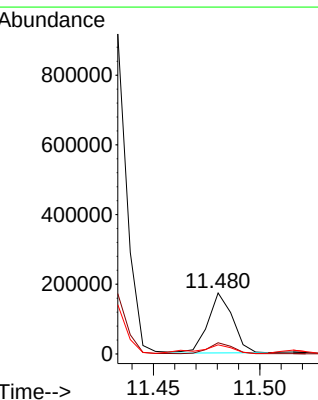
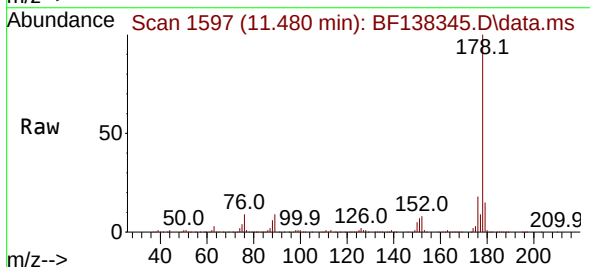
Tgt Ion:178 Resp: 139329

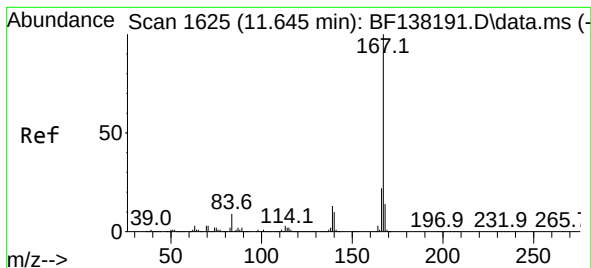
Ion Ratio Lower Upper

178 100

176 18.5 15.7 23.5

179 15.0 13.0 19.6





#73

Carbazole

Concen: 2.589 ng

RT: 11.639 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

Instrument :

BNA_F

ClientSampleId :

ARS20-006

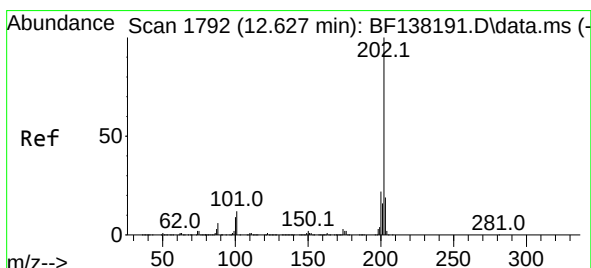
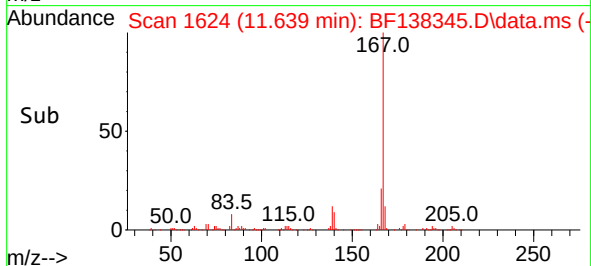
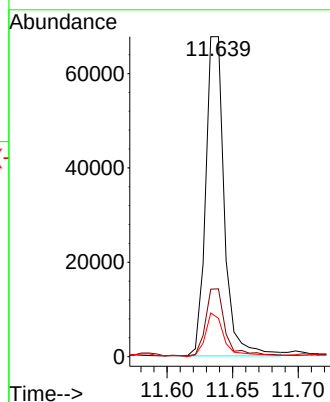
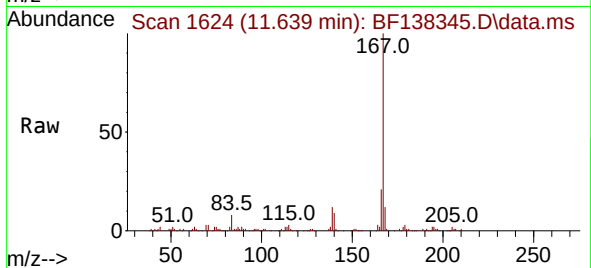
Tgt Ion:167	Resp: 6711
Ion Ratio	Lower Upper
167 100	
166 21.2	18.0 27.0
139 12.0	10.6 16.0

Manual Integrations

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#75

Fluoranthene

Concen: 36.854 ng

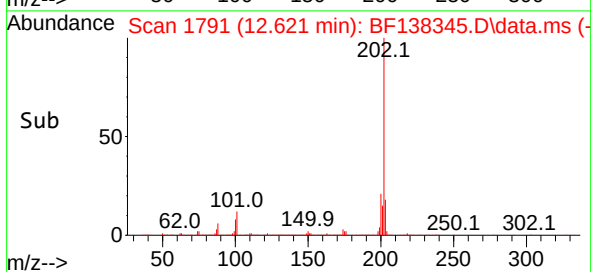
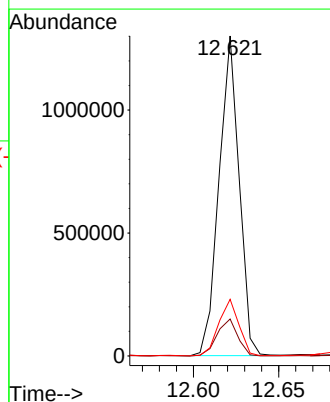
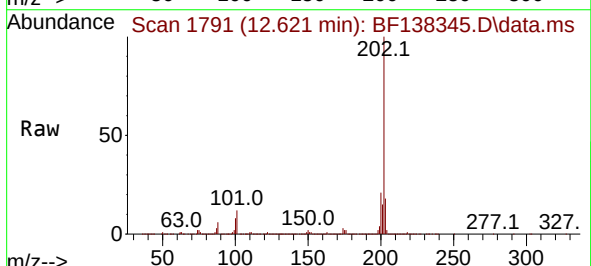
RT: 12.621 min Scan# 1791

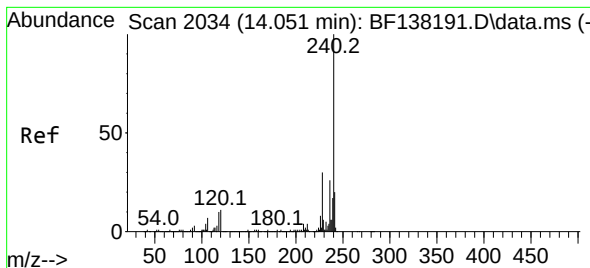
Delta R.T. -0.006 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

Tgt Ion:202	Resp: 1069691
Ion Ratio	Lower Upper
202 100	
101 11.6	0.0 31.8
203 17.7	0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

Instrument :

BNF_F

ClientSampleId :

ARS20-006

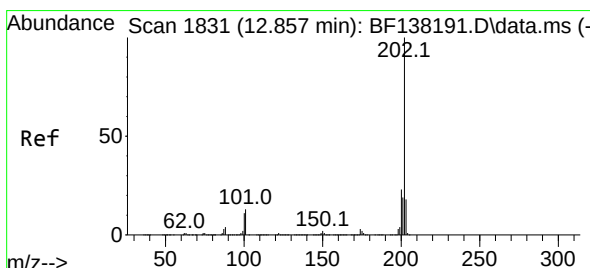
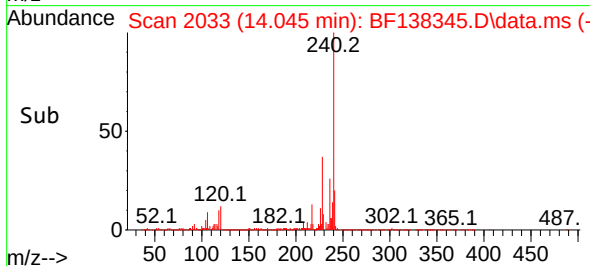
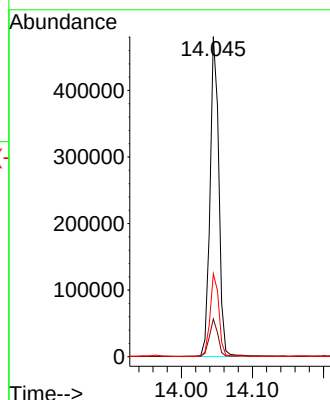
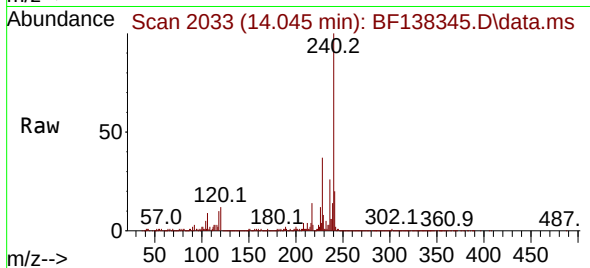
Tgt Ion:240 Resp: 413835
 Ion Ratio Lower Upper
 240 100
 120 11.8 9.2 13.8
 236 25.9 21.0 31.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#78

Pyrene

Concen: 25.789 ng

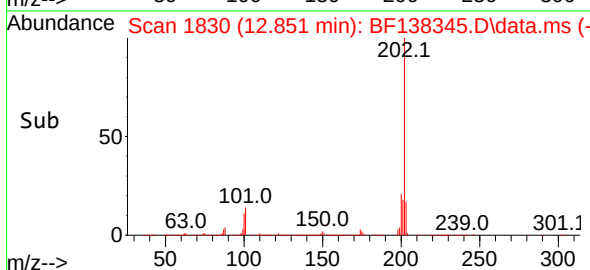
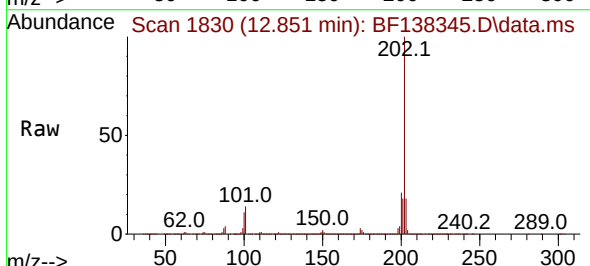
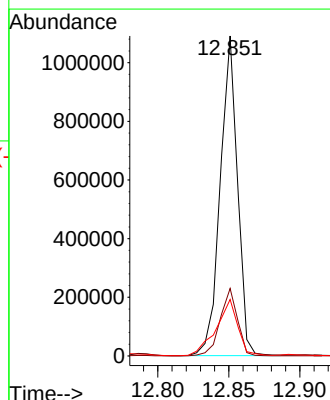
RT: 12.851 min Scan# 1830

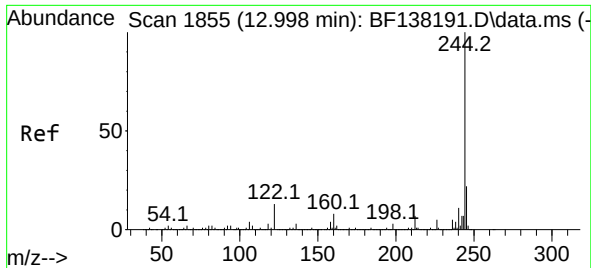
Delta R.T. -0.006 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

Tgt Ion:202 Resp: 920572
 Ion Ratio Lower Upper
 202 100
 200 21.1 18.0 27.0
 203 17.7 14.7 22.1





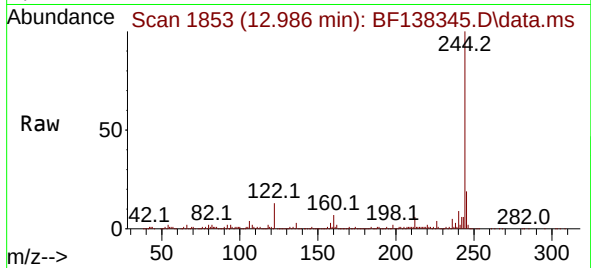
#79
Terphenyl-d14
Concen: 7.173 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.012 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

Instrument :

BNA_F

ClientSampleId :

ARS20-006

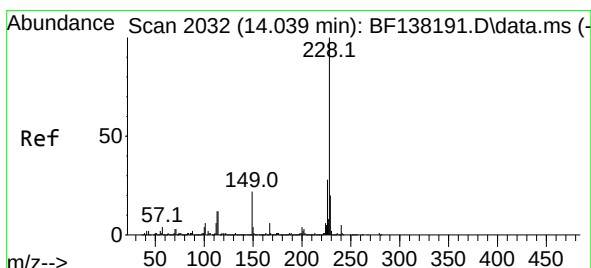
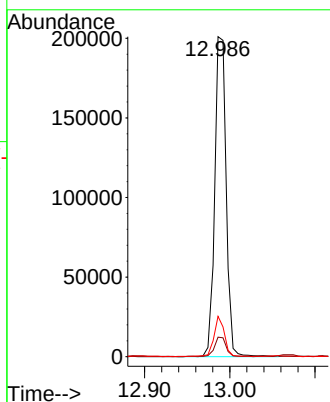
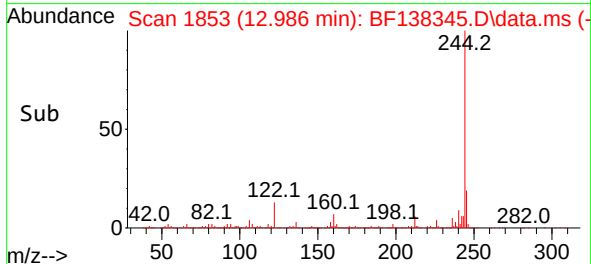


Tgt Ion:244 Resp: 187412
Ion Ratio Lower Upper
244 100
212 6.1 5.9 8.9
122 12.6 10.6 15.8

Manual Integrations

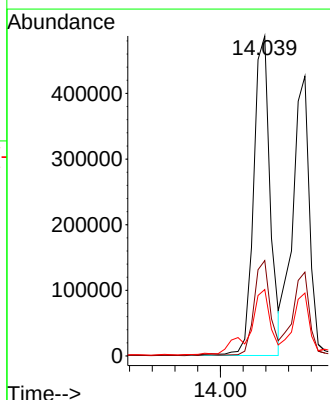
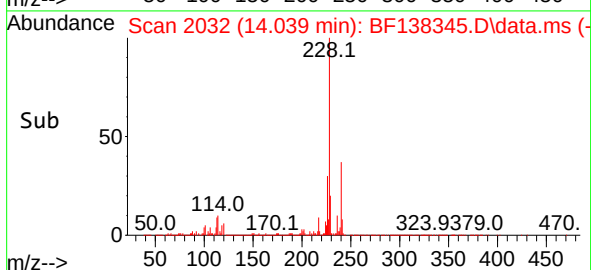
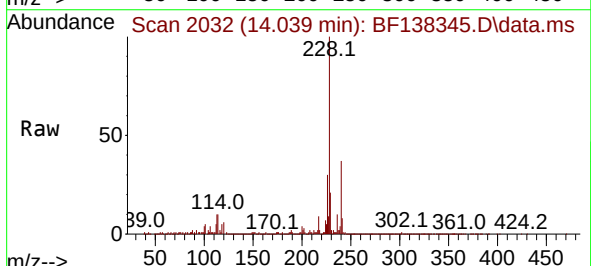
APPROVED

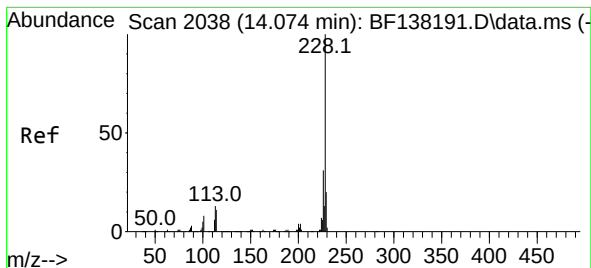
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#81
Benzo(a)anthracene
Concen: 18.541 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

Tgt Ion:228 Resp: 492266
Ion Ratio Lower Upper
228 100
226 29.8 22.5 33.7
229 20.7 16.3 24.5





#83

Chrysene

Concen: 17.405 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

Instrument :

BNA_F

ClientSampleId :

ARS20-006

Tgt Ion:228 Resp: 440468

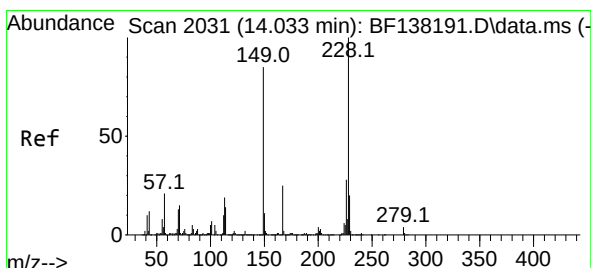
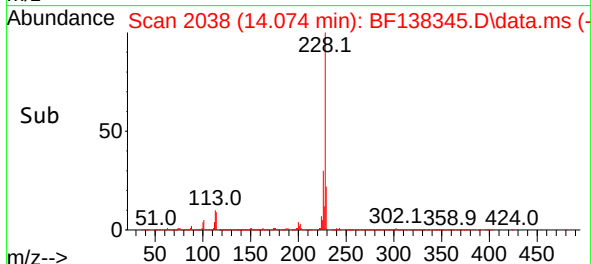
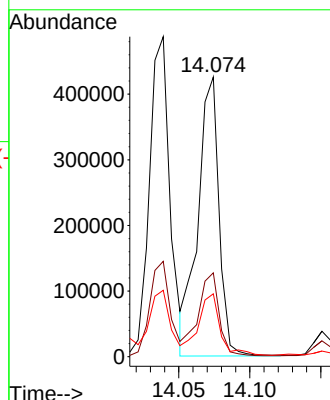
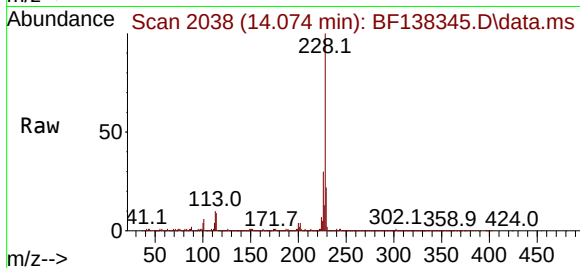
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.5	36.7
229	22.5	16.3	24.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.035 ng

RT: 14.021 min Scan# 2029

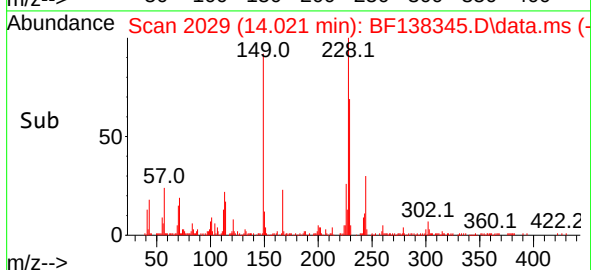
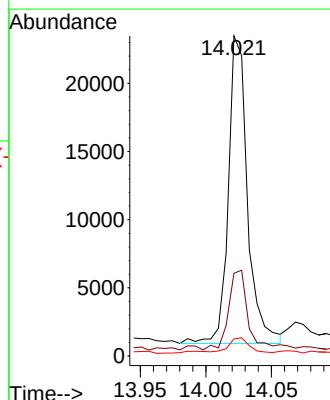
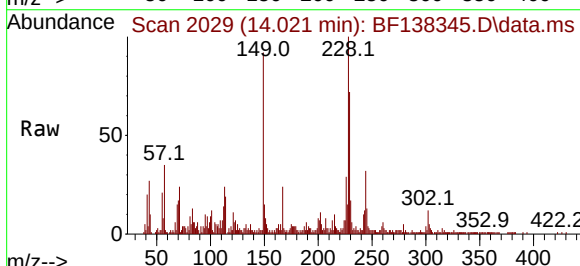
Delta R.T. -0.012 min

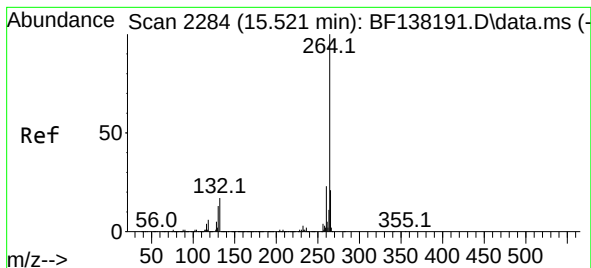
Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

Tgt Ion:149 Resp: 22986

Ion	Ratio	Lower	Upper
149	100		
167	25.9	23.5	35.3
279	5.3	4.2	6.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

Instrument :

BNA_F

ClientSampleId :

ARS20-006

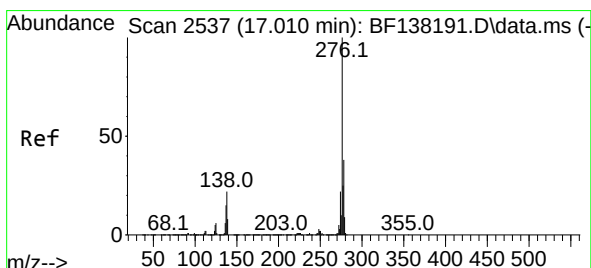
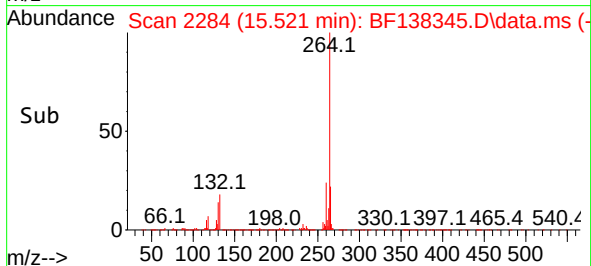
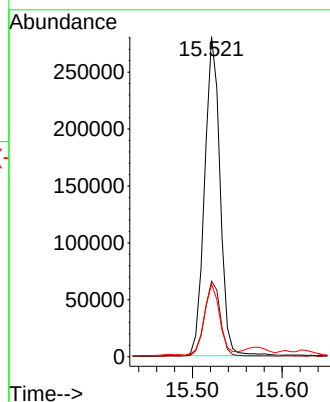
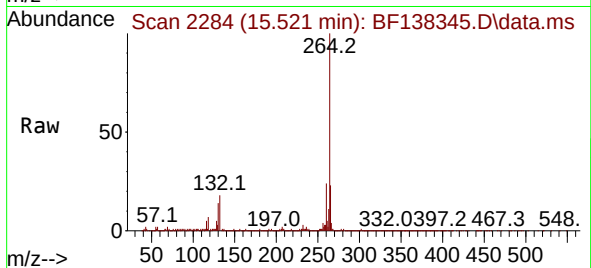
Tgt Ion:	264	Resp:	33520
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.7	28.1
265	22.7	17.0	25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.055 ng

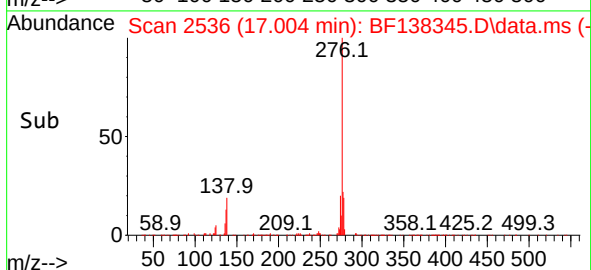
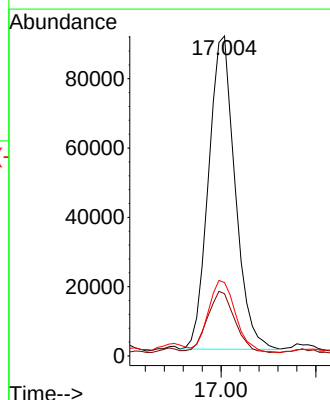
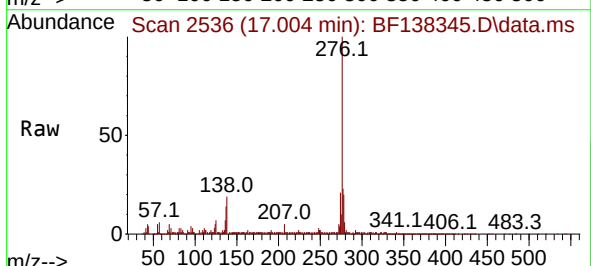
RT: 17.004 min Scan# 2536

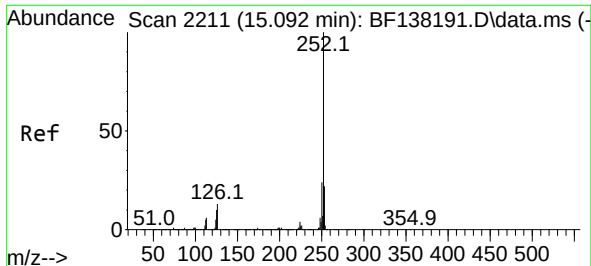
Delta R.T. -0.006 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

Tgt Ion:	276	Resp:	176021
Ion Ratio	Lower	Upper	
276	100		
138	20.4	19.3	28.9
277	23.5	20.2	30.2





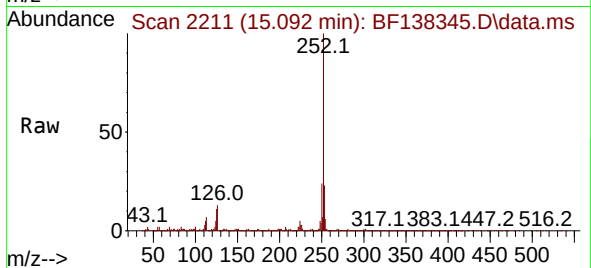
#88
Benzo(b)fluoranthene
Concen: 24.112 ng m
RT: 15.092 min Scan# 2115
Delta R.T. -0.000 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

Instrument :

BNF_F

ClientSampleId :

ARS20-006



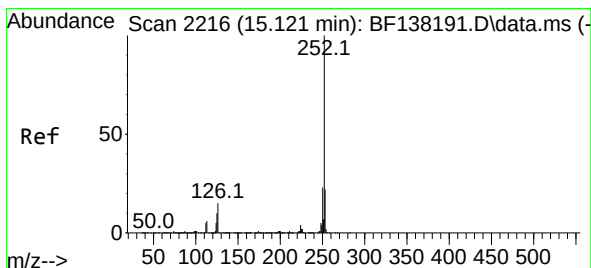
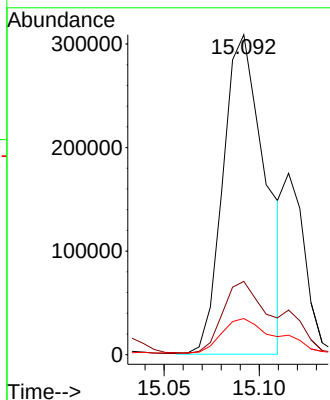
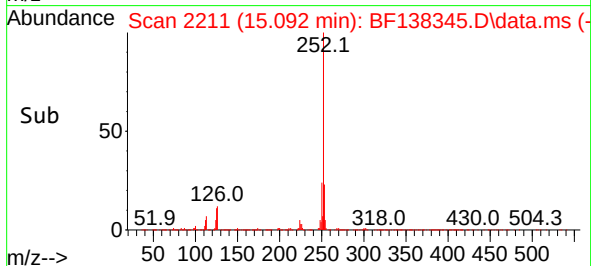
Tgt Ion:252 Resp: 476630
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 11.3 7.8 11.8

Manual Integrations

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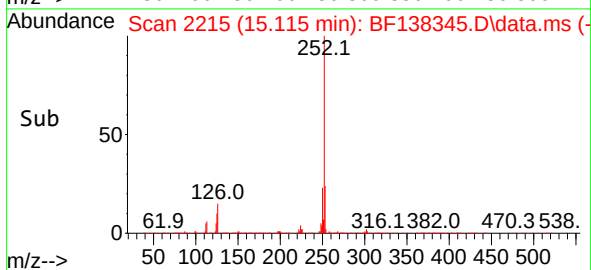
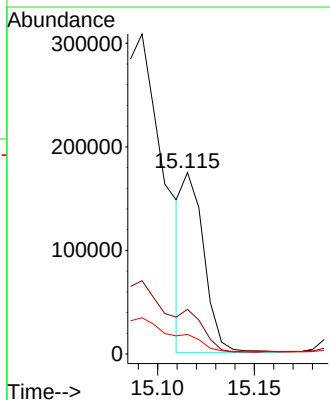
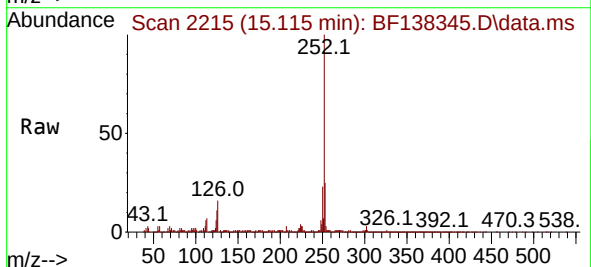
Reviewed By :Yogesh Patel 06/26/2024

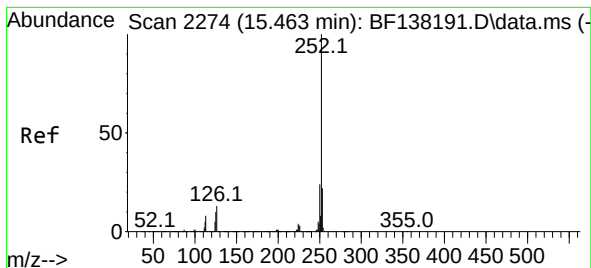
Supervised By :mohammad ahmed 06/27/2024



#89
Benzo(k)fluoranthene
Concen: 6.948 ng m
RT: 15.115 min Scan# 2215
Delta R.T. -0.006 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

Tgt Ion:252 Resp: 134593
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.8
125 10.7 8.0 12.0





#90

Benzo(a)pyrene

Concen: 16.967 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

Instrument :

BNA_F

ClientSampleId :

ARS20-006

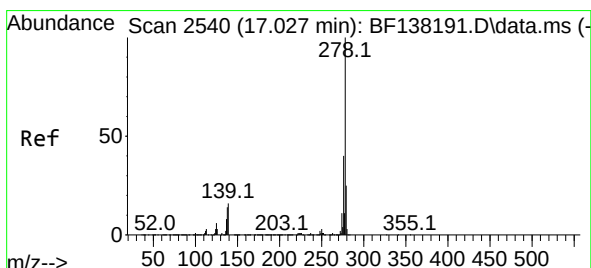
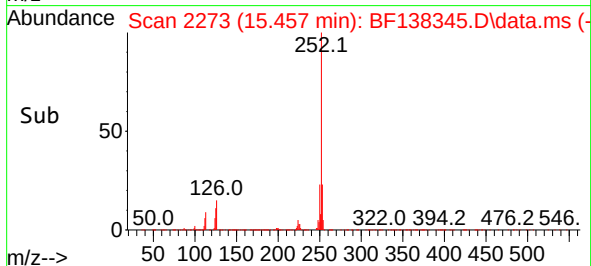
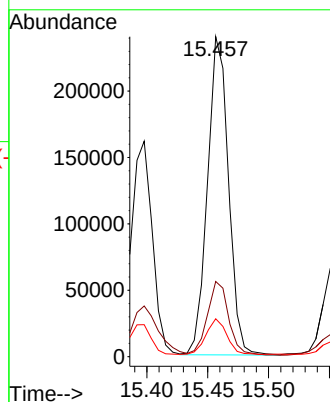
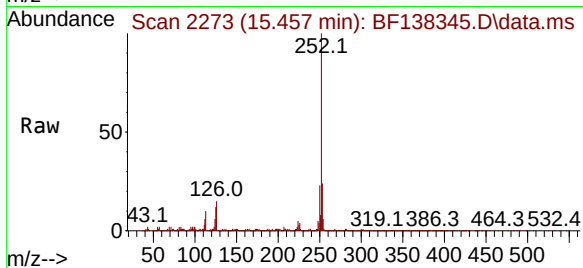
Tgt Ion:252 Resp: 28814
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.7 26.5
 125 11.8 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.580 ng

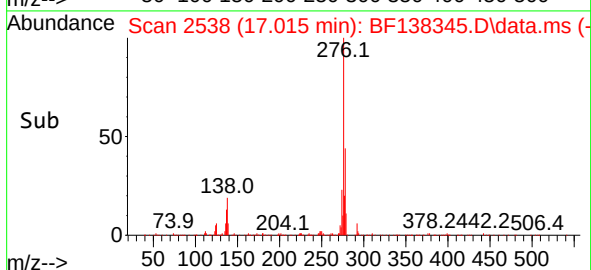
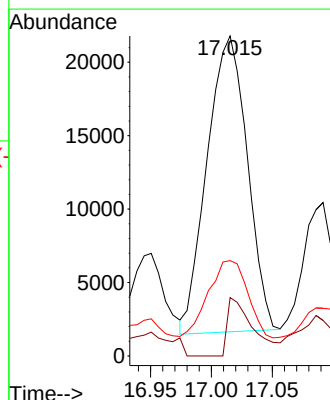
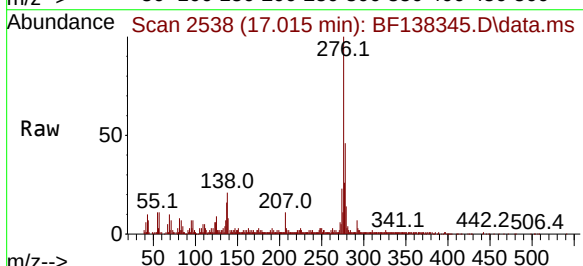
RT: 17.015 min Scan# 2538

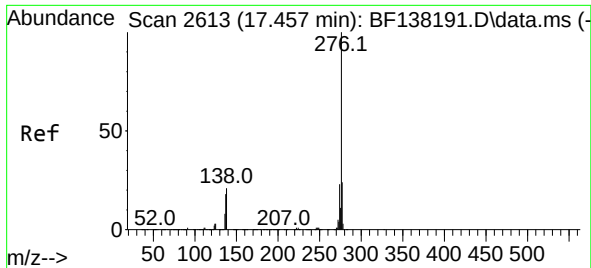
Delta R.T. -0.012 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

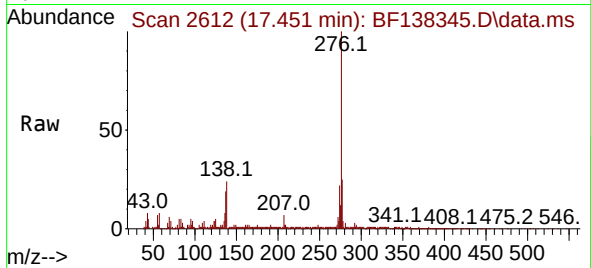
Tgt Ion:278 Resp: 46282
 Ion Ratio Lower Upper
 278 100
 139 18.2 12.9 19.3
 279 29.8 19.9 29.9





#92
Benzo(g,h,i)perylene
Concen: 8.562 ng
RT: 17.451 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

Instrument :
BNA_F
ClientSampleId :
ARS20-006



Tgt Ion:276 Resp: 158860
Ion Ratio Lower Upper
276 100
277 24.9 19.5 29.3
138 23.6 16.6 24.8

Manual Integrations
APPROVED

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

