

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061724\
 Data File : BF138216.D
 Acq On : 17 Jun 2024 20:55
 Operator : CG\JU
 Sample : P2847-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-PE4

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
 Supervised By :mohammad ahmed 06/19/2024

Quant Time: Jun 18 00:55:33 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	6.892	152	390833	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1445986	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	667989	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	791371	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	693853	20.000	ng	0.00
86) Perylene-d12	15.527	264	628450	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1933563	82.760	ng	0.00
7) Phenol-d6	6.516	99	2420559	81.704	ng	0.00
23) Nitrobenzene-d5	7.451	82	1488566	59.931	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	440716	66.273	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	2587899	61.605	ng	0.00
79) Terphenyl-d14	13.004	244	1883968	43.005	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	1036072	26.474	ng	97
72) Anthracene	11.492	178	229209m	5.899	ng	
73) Carbazole	11.645	167	77382	2.171	ng	# 52
75) Fluoranthene	12.639	202	2464775	61.762	ng	99
78) Pyrene	12.868	202	2173656	36.319	ng	99
81) Benzo(a)anthracene	14.045	228	1425587	32.025	ng	98
83) Chrysene	14.086	228	1529329	36.044	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	80360	4.244	ng	# 99
85) Di-n-octyl phthalate	14.645	149	80518	2.863	ng	# 77
87) Indeno(1,2,3-cd)pyrene	17.003	276	734435m	17.927	ng	
88) Benzo(b)fluoranthene	15.098	252	2005467m	54.113	ng	
89) Benzo(k)fluoranthene	15.121	252	573083m	15.779	ng	
90) Benzo(a)pyrene	15.462	252	1113416	34.971	ng	# 97
91) Dibenzo(a,h)anthracene	17.015	278	181424	5.395	ng	97
92) Benzo(g,h,i)perylene	17.450	276	722643	20.773	ng	97

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

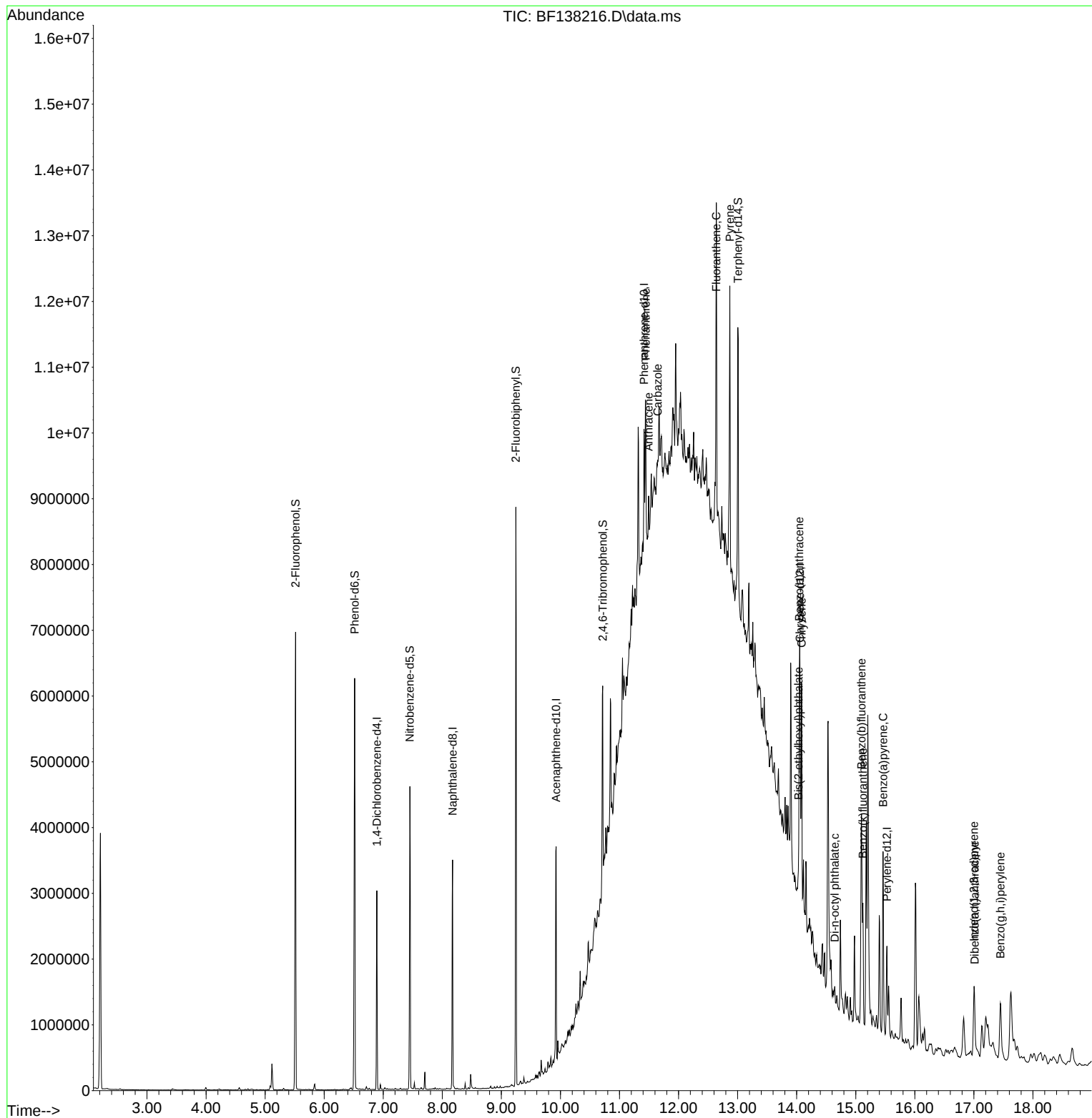
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061724\
Data File : BF138216.D
Acq On : 17 Jun 2024 20:55
Operator : CG\JU
Sample : P2847-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EXT-PE4

Quant Time: Jun 18 00:55:33 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

Manual Integrations
APPROVED

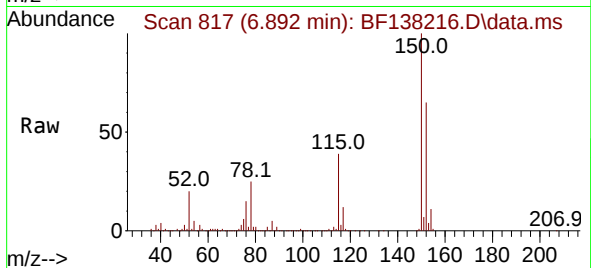
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

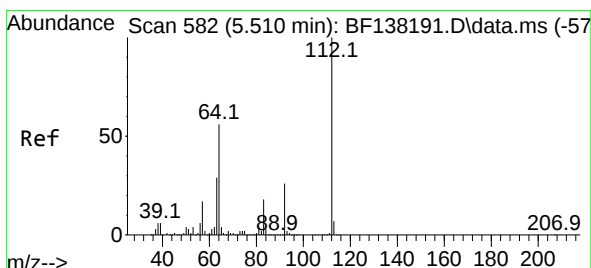
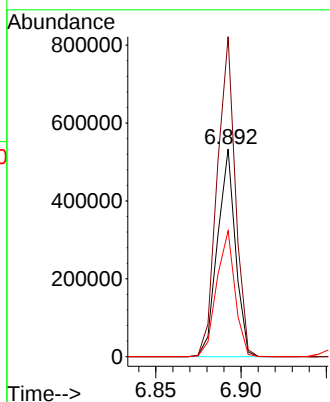
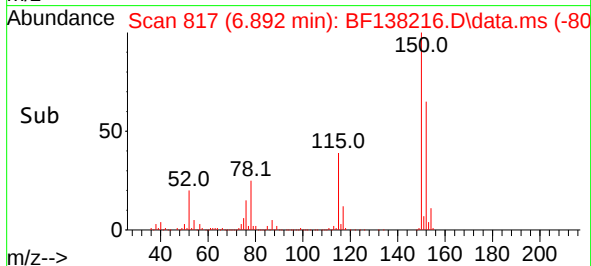
Instrument :
BNA_F
ClientSampleId :
EXT-PE4



Tgt Ion:152 Resp: 390833
Ion Ratio Lower Upper
152 100
150 154.1 125.0 187.4
115 60.6 48.4 72.6

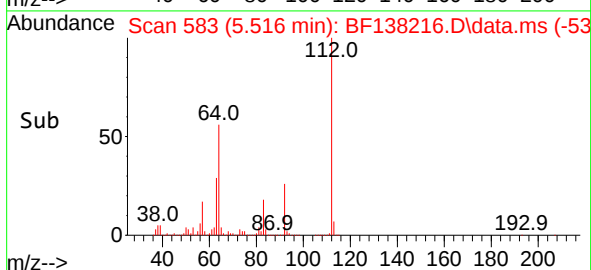
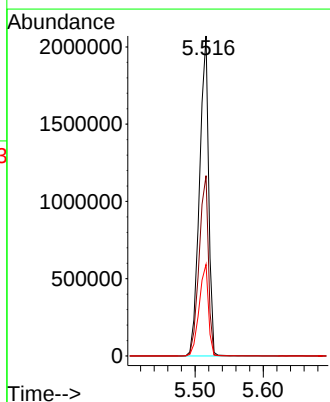
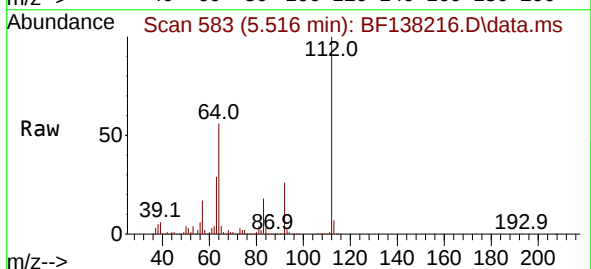
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#5
2-Fluorophenol
Concen: 82.760 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

Tgt Ion:112 Resp: 1933563
Ion Ratio Lower Upper
112 100
64 56.4 45.2 67.8
63 28.6 22.9 34.3





#7

Phenol-d6

Concen: 81.704 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

Instrument :

BNA_F

ClientSampleId :

EXT-PE4

Tgt Ion: 99 Resp: 242055

Ion Ratio Lower Upper

99 100

42 17.6 13.7 20.5

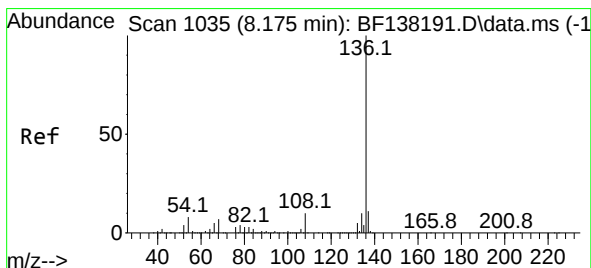
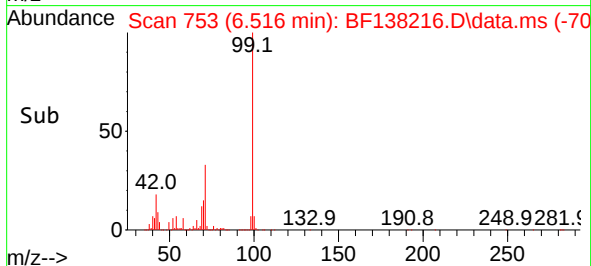
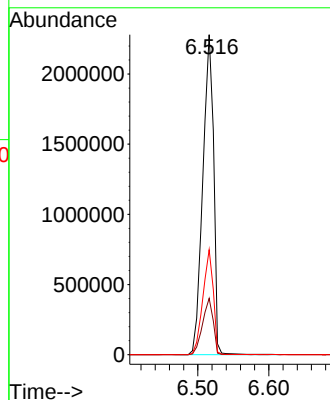
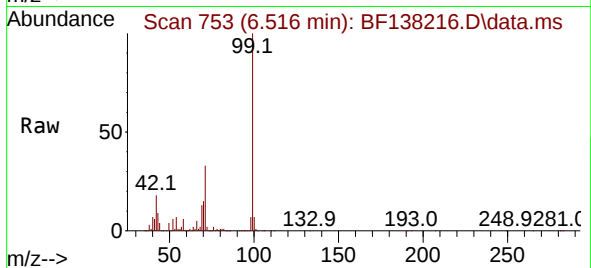
71 32.8 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024

Supervised By :mohammad ahmed 06/19/2024



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

Tgt Ion:136 Resp: 1445986

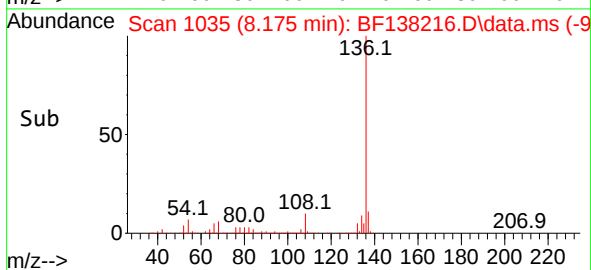
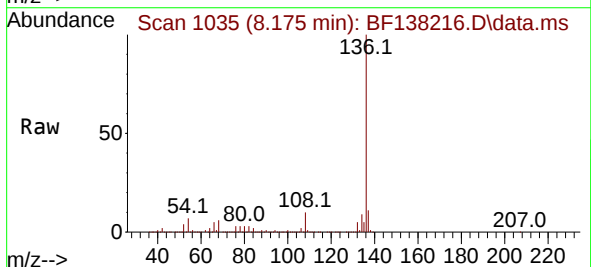
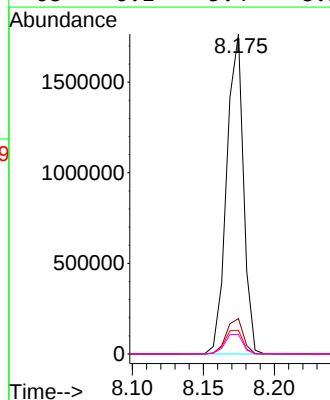
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.4 6.6 10.0

68 6.1 5.4 8.2





#23

Nitrobenzene-d5

Concen: 59.931 ng

RT: 7.451 min Scan# 913

Delta R.T. -0.006 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

Instrument :

BNA_F

ClientSampleId :

EXT-PE4

Tgt Ion: 82 Resp: 148856

Ion Ratio Lower Upper

82 100

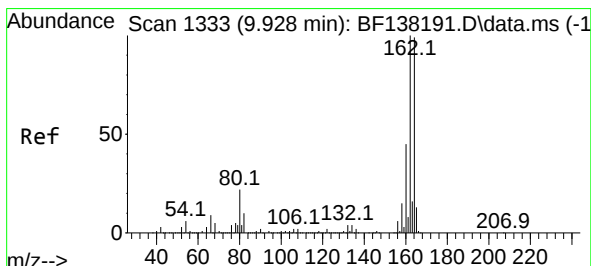
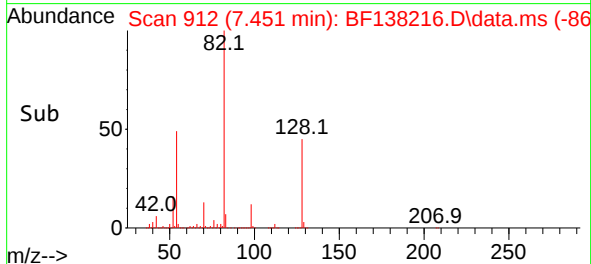
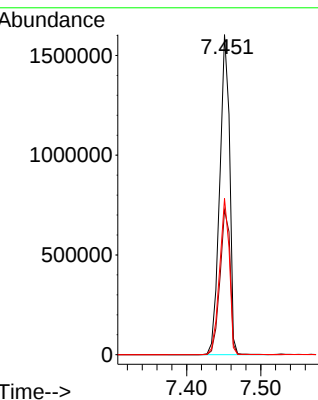
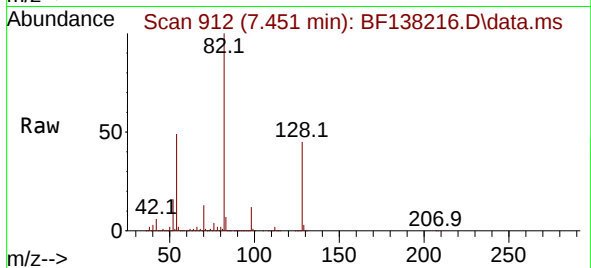
128 45.2 37.2 55.8

54 48.8 39.8 59.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1333

Delta R.T. -0.000 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

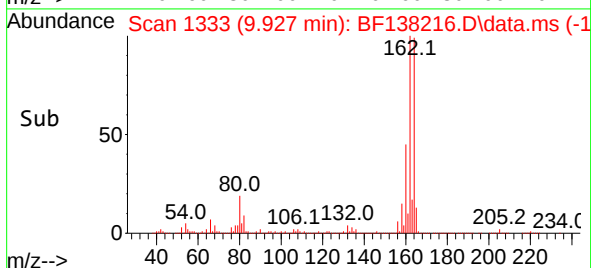
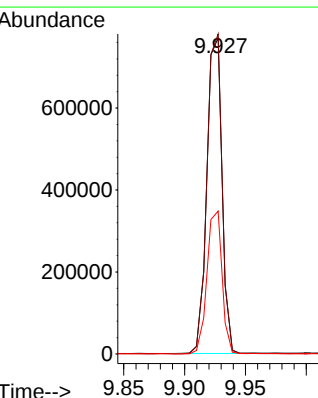
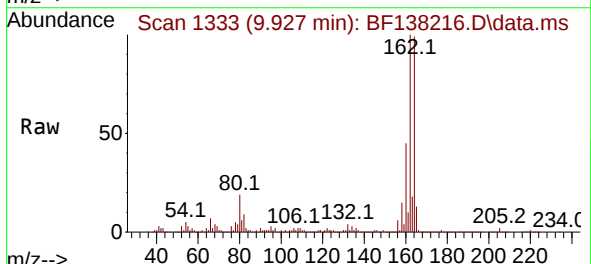
Tgt Ion:164 Resp: 667989

Ion Ratio Lower Upper

164 100

162 101.3 80.6 121.0

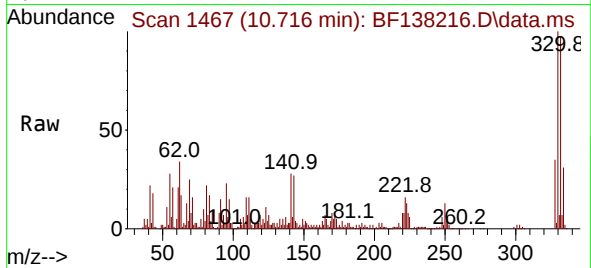
160 45.2 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 66.273 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.000 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

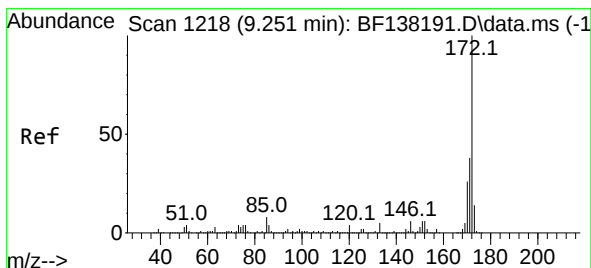
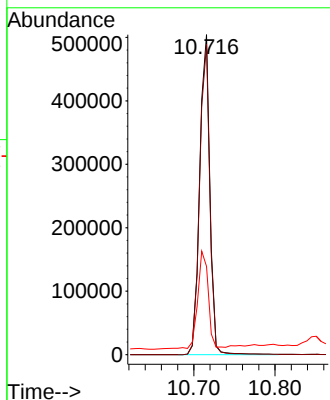
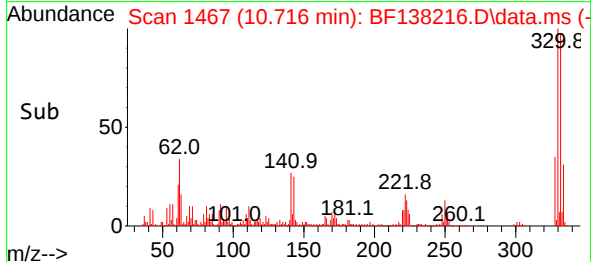
Instrument :
BNA_F
ClientSampleId :
EXT-PE4



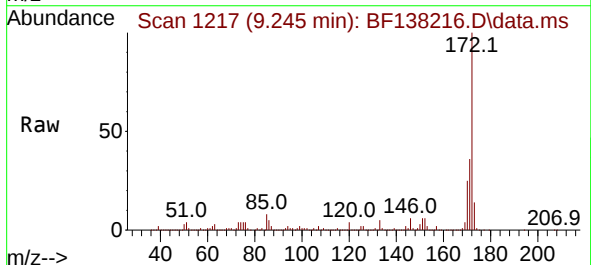
Tgt Ion: 330 Resp: 440710
Ion Ratio Lower Upper
330 100
332 97.0 76.6 115.0
141 32.5 23.9 35.9

Manual Integrations
APPROVED

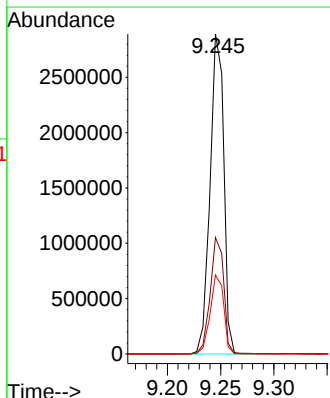
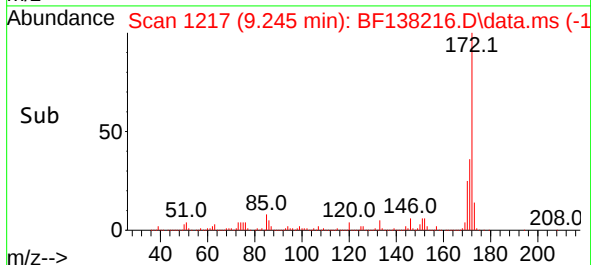
Reviewed By : Jagrut Upadhyay 06/18/2024
Supervised By : mohammad ahmed 06/19/2024

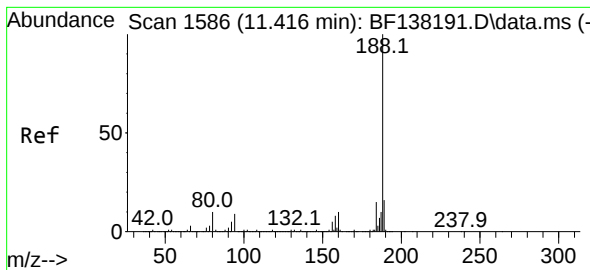


#45
2-Fluorobiphenyl
Concen: 61.605 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55



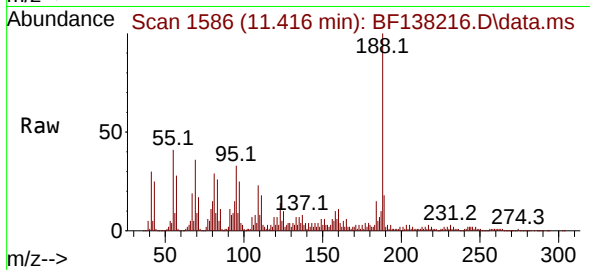
Tgt Ion: 172 Resp: 2587899
Ion Ratio Lower Upper
172 100
171 36.4 30.3 45.5
170 24.7 20.6 30.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

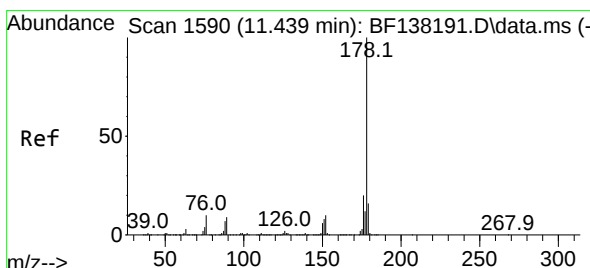
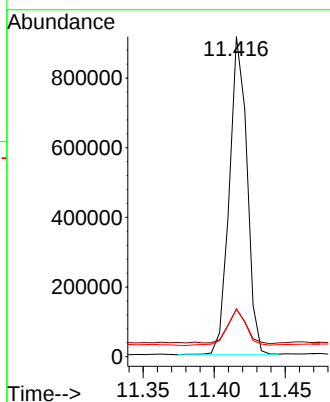
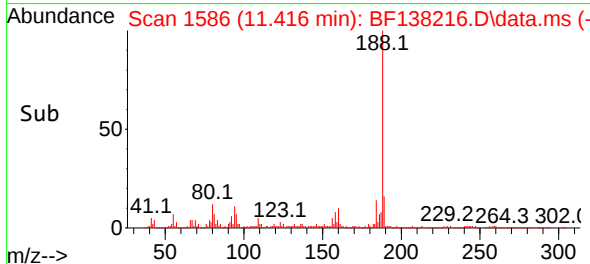
Instrument :
BNA_F
ClientSampleId :
EXT-PE4



Tgt Ion:188 Resp: 791372
Ion Ratio Lower Upper
188 100
94 14.9 7.6 11.4
80 14.9 8.1 12.1

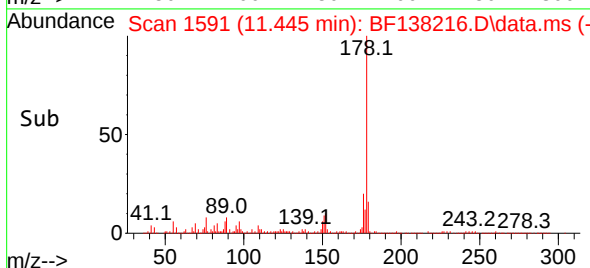
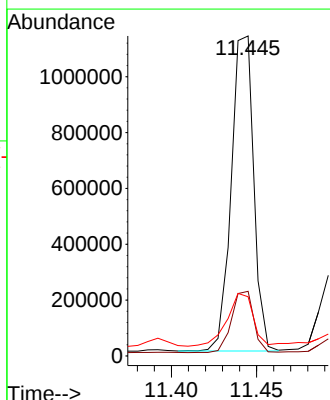
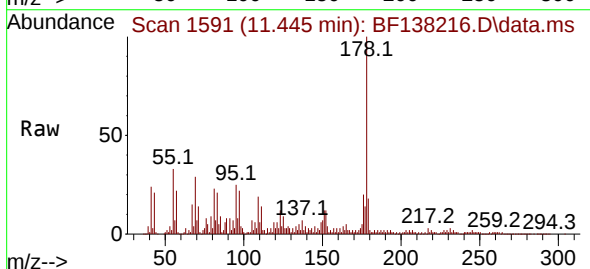
Manual Integrations
APPROVED

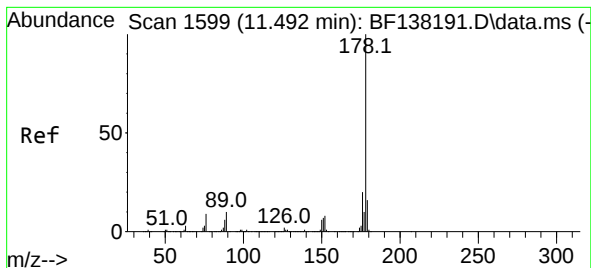
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#71
Phenanthrene
Concen: 26.474 ng
RT: 11.445 min Scan# 1591
Delta R.T. 0.006 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

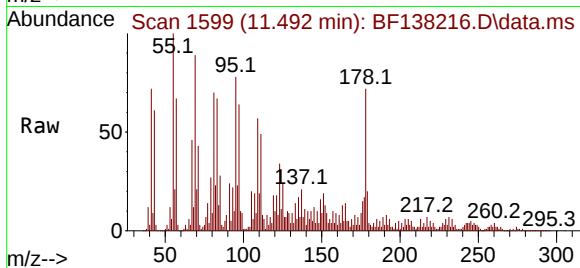
Tgt Ion:178 Resp: 1036072
Ion Ratio Lower Upper
178 100
176 20.2 16.4 24.6
179 18.5 13.1 19.7





#72
 Anthracene
 Concen: 5.899 ng m
 RT: 11.492 min Scan# 1599
 Delta R.T. -0.000 min
 Lab File: BF138216.D
 Acq: 17 Jun 2024 20:55

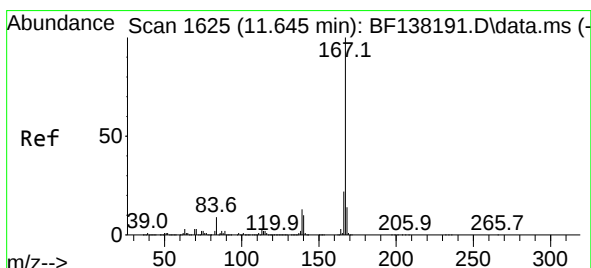
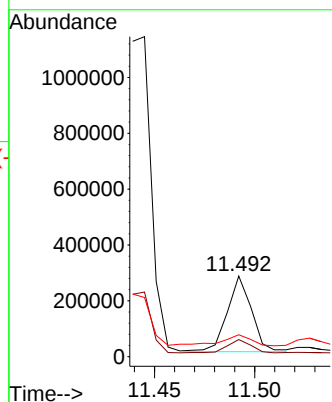
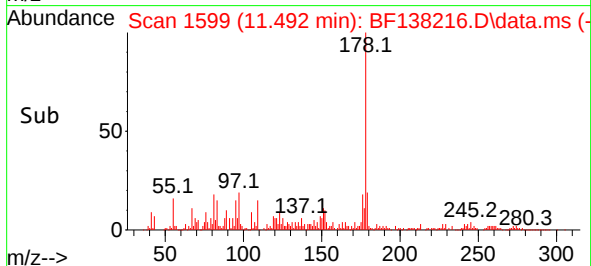
Instrument :
 BNA_F
 ClientSampleId :
 EXT-PE4



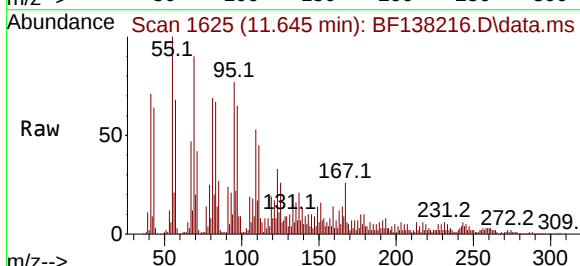
Tgt Ion:178 Resp: 229209
 Ion Ratio Lower Upper
 178 100
 176 21.2 15.7 23.5
 179 27.2 13.0 19.6

Manual Integrations
 APPROVED

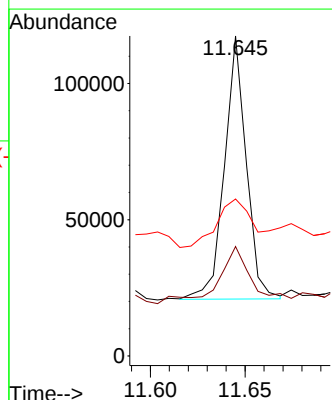
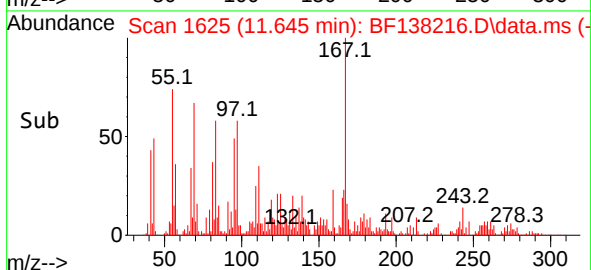
Reviewed By :Jagrut Upadhyay 06/18/2024
 Supervised By :mohammad ahmed 06/19/2024

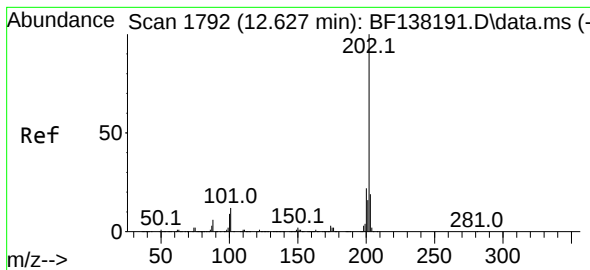


#73
 Carbazole
 Concen: 2.171 ng
 RT: 11.645 min Scan# 1625
 Delta R.T. -0.000 min
 Lab File: BF138216.D
 Acq: 17 Jun 2024 20:55



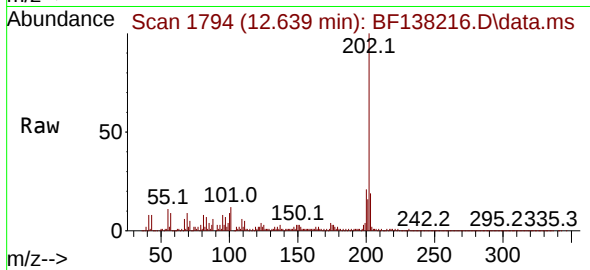
Tgt Ion:167 Resp: 77382
 Ion Ratio Lower Upper
 167 100
 166 34.2 18.0 27.0#
 139 49.1 10.6 16.0#





#75
Fluoranthene
Concen: 61.762 ng
RT: 12.639 min Scan# 1792
Delta R.T. 0.012 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

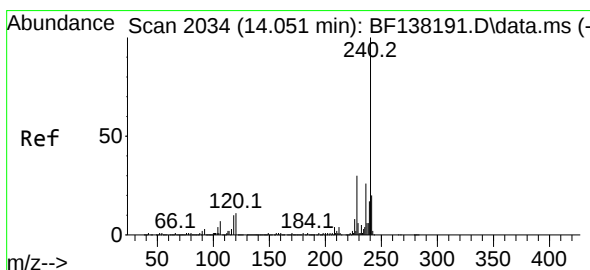
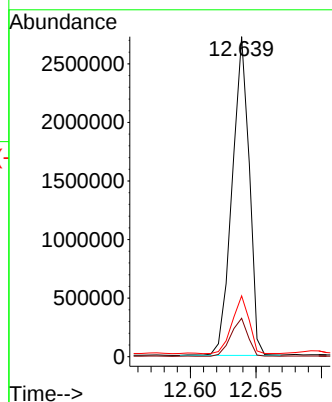
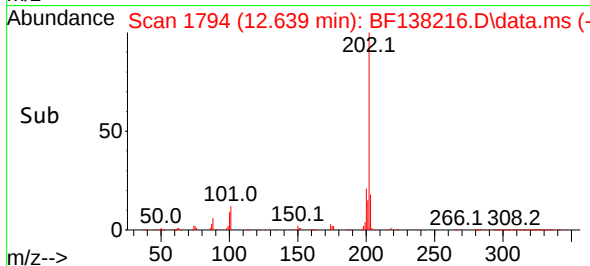
Instrument :
BNA_F
ClientSampleId :
EXT-PE4



Tgt Ion:202 Resp: 2464779
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.8
203 19.0 0.0 38.6

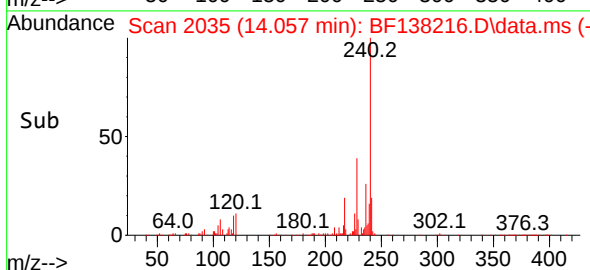
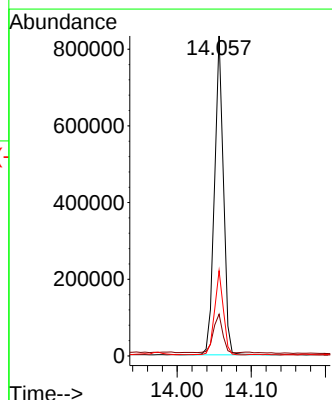
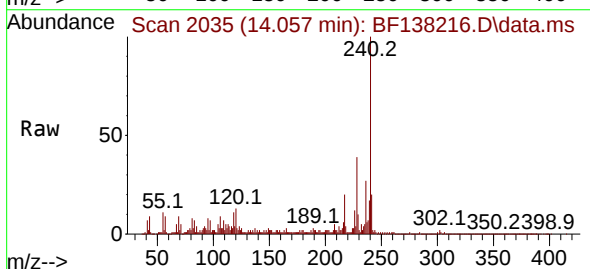
Manual Integrations
APPROVED

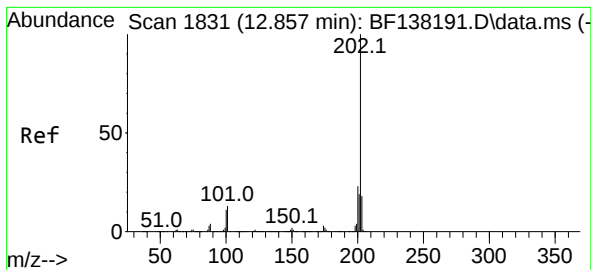
Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

Tgt Ion:240 Resp: 693853
Ion Ratio Lower Upper
240 100
120 13.0 9.2 13.8
236 26.7 21.0 31.6





#78

Pyrene

Concen: 36.319 ng

RT: 12.868 min Scan# 1833

Delta R.T. 0.012 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

Instrument :

BNA_F

ClientSampleId :

EXT-PE4

Tgt Ion:202 Resp: 217365

Ion Ratio Lower Upper

202 100

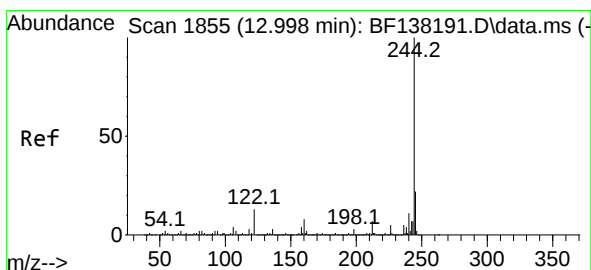
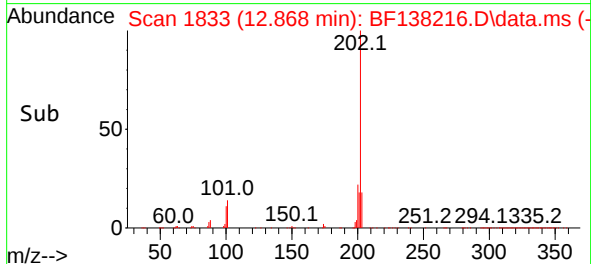
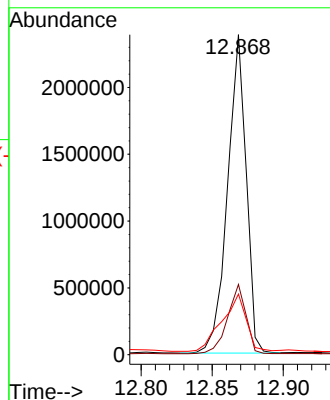
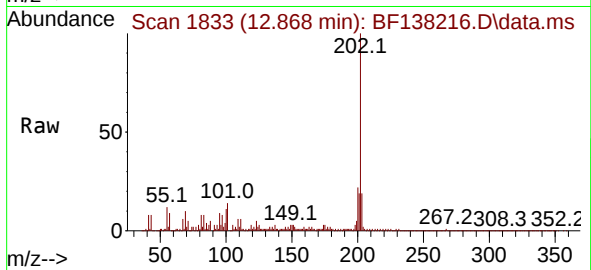
200 22.0 18.0 27.0

203 19.0 14.7 22.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#79

Terphenyl-d14

Concen: 43.005 ng

RT: 13.004 min Scan# 1856

Delta R.T. 0.006 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

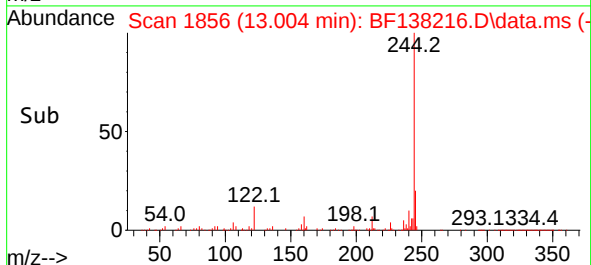
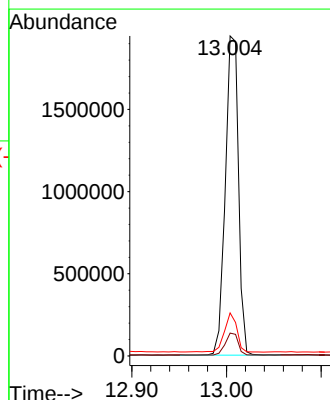
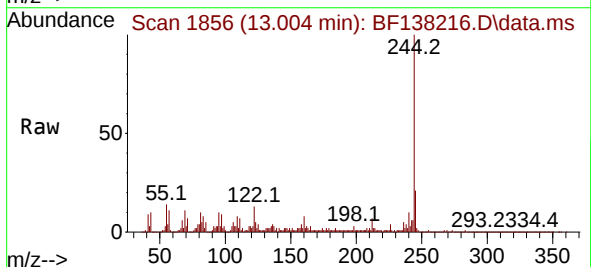
Tgt Ion:244 Resp: 1883968

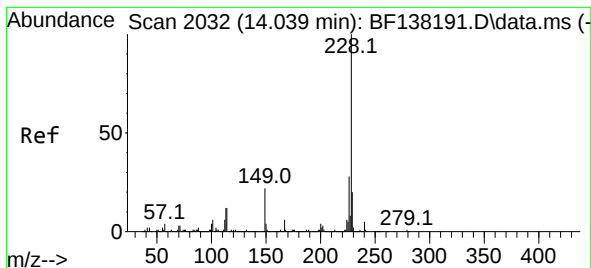
Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 13.4 10.6 15.8





#81

Benzo(a)anthracene

Concen: 32.025 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

Instrument :

BNF_F

ClientSampleId :

EXT-PE4

Tgt Ion:228 Resp: 142558

Ion Ratio Lower Upper

228 100

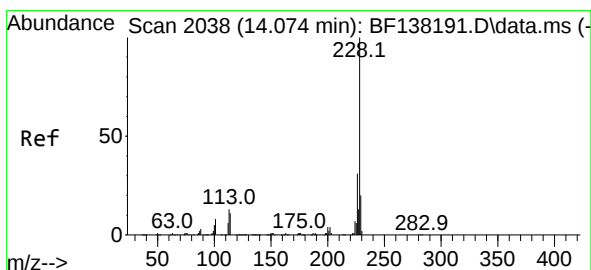
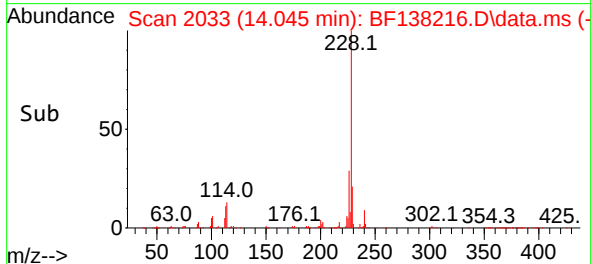
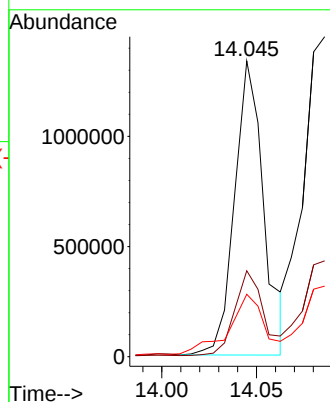
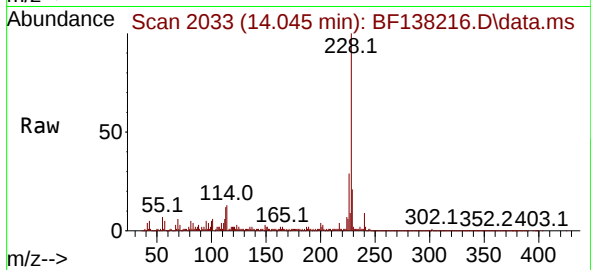
226 29.1 22.5 33.7

229 21.1 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#83

Chrysene

Concen: 36.044 ng

RT: 14.086 min Scan# 2040

Delta R.T. 0.012 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

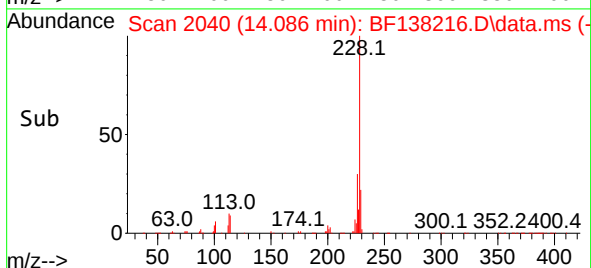
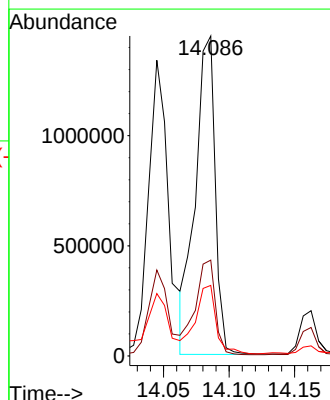
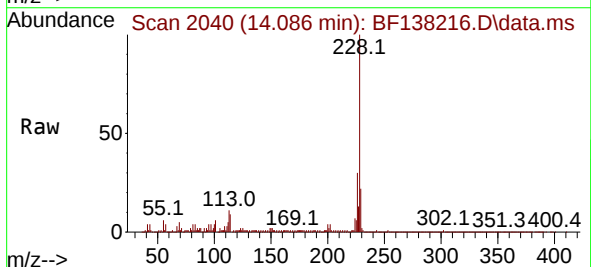
Tgt Ion:228 Resp: 1529329

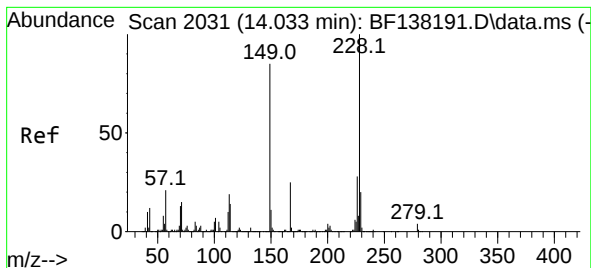
Ion Ratio Lower Upper

228 100

226 29.9 24.5 36.7

229 22.1 16.3 24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.244 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

Instrument :

BNA_F

ClientSampleId :

EXT-PE4

Tgt Ion:149 Resp: 80360

Ion Ratio Lower Upper

149 100

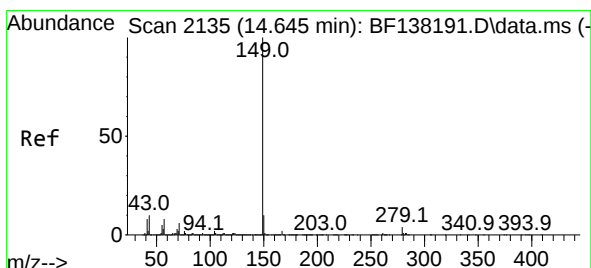
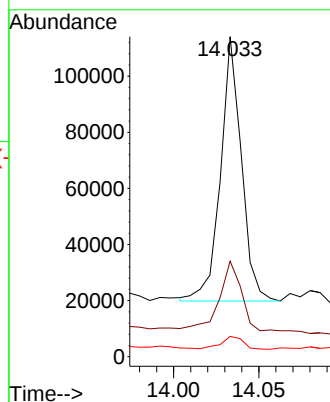
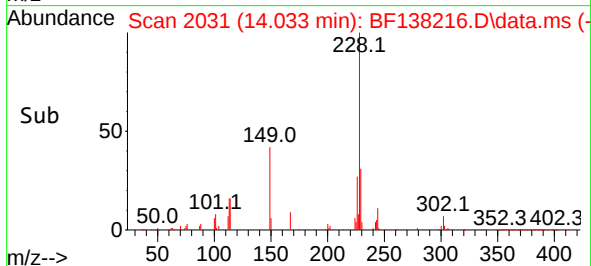
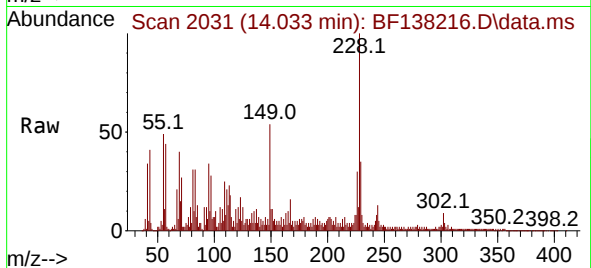
167 29.9 23.5 35.3

279 6.3 4.2 6.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#85

Di-n-octyl phthalate

Concen: 2.863 ng

RT: 14.645 min Scan# 2135

Delta R.T. -0.000 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

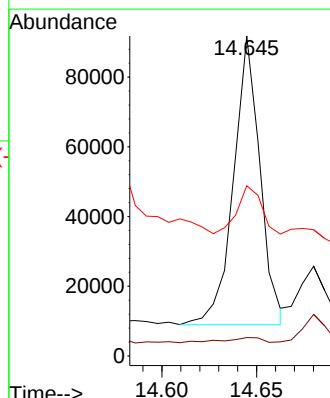
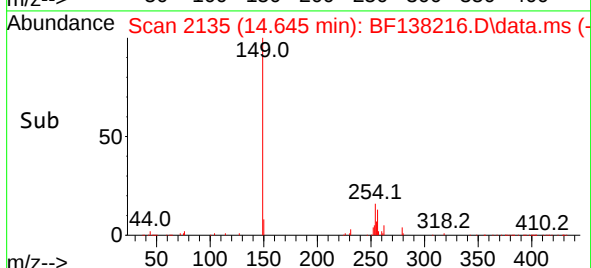
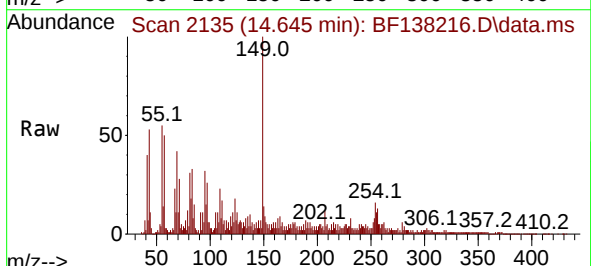
Tgt Ion:149 Resp: 80518

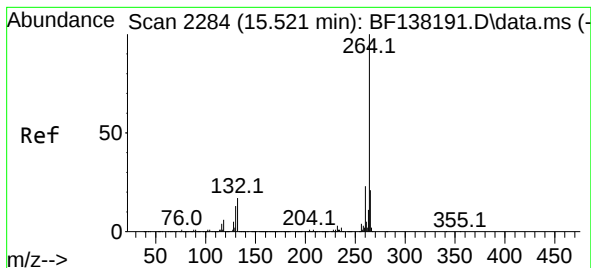
Ion Ratio Lower Upper

149 100

167 2.7 1.3 1.9#

43 0.0 7.8 11.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

Instrument :

BNA_F

ClientSampleId :

EXT-PE4

Tgt Ion:264 Resp: 628450

Ion Ratio Lower Upper

264 100

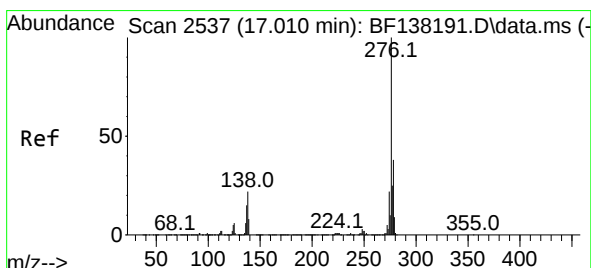
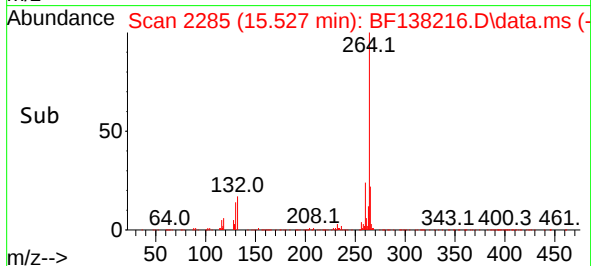
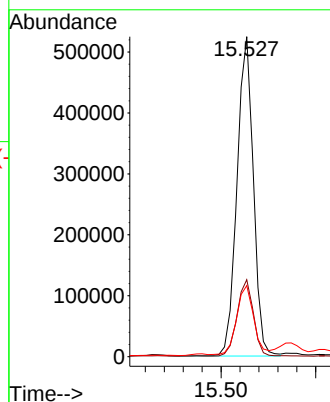
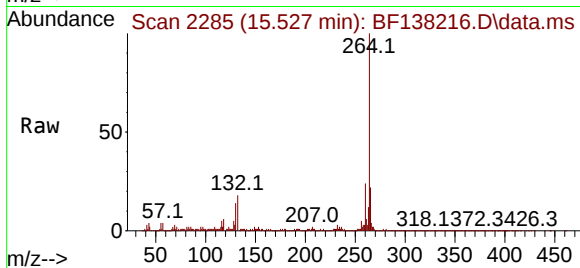
260 24.0 18.7 28.1

265 22.2 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 17.927 ng m

RT: 17.003 min Scan# 2536

Delta R.T. -0.006 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

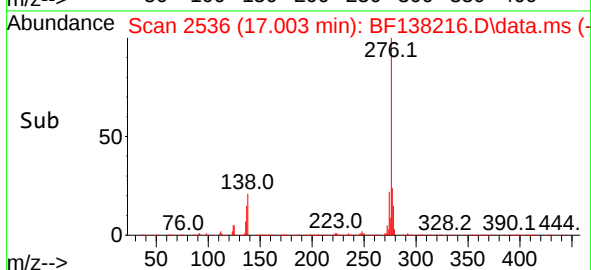
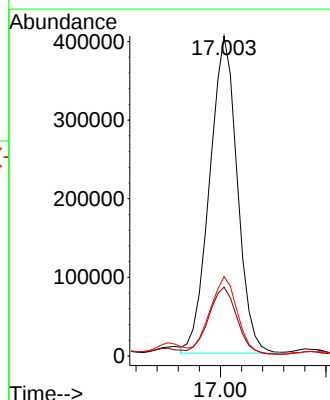
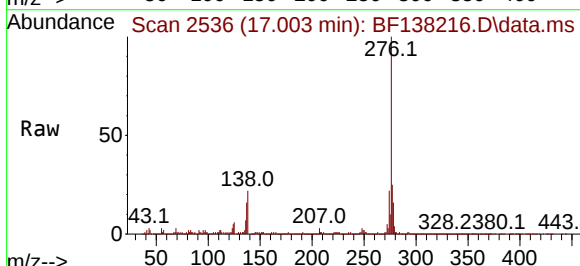
Tgt Ion:276 Resp: 734435

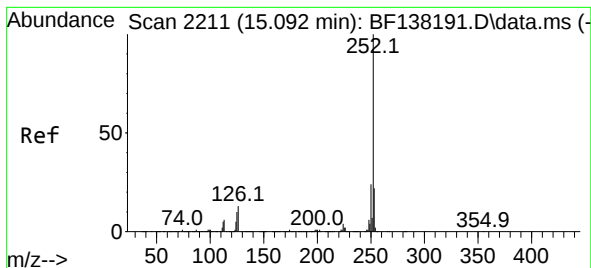
Ion Ratio Lower Upper

276 100

138 21.6 19.3 28.9

277 24.6 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 54.113 ng m

RT: 15.098 min Scan# 2211

Delta R.T. 0.006 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

Instrument :

BNA_F

ClientSampleId :

EXT-PE4

Tgt Ion:252 Resp: 200546

Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

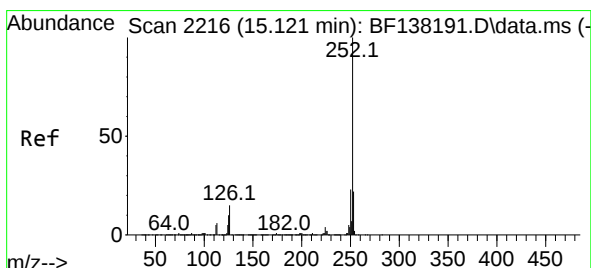
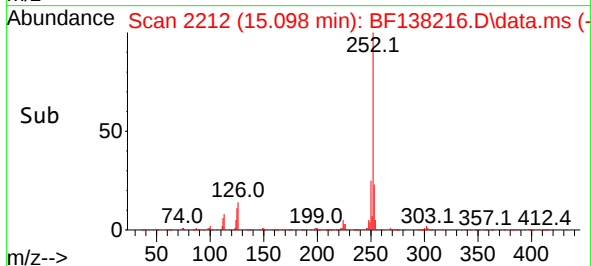
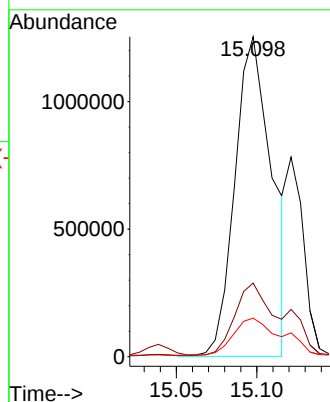
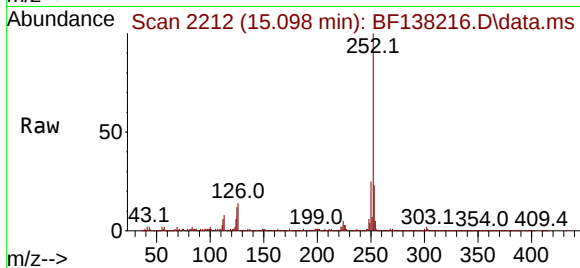
125 12.1 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024

Supervised By :mohammad ahmed 06/19/2024



#89

Benzo(k)fluoranthene

Concen: 15.779 ng m

RT: 15.121 min Scan# 2216

Delta R.T. -0.000 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

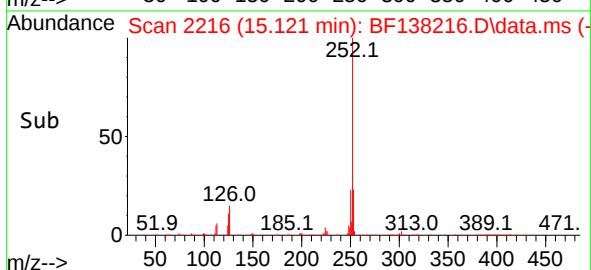
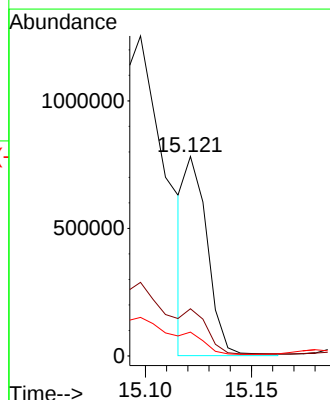
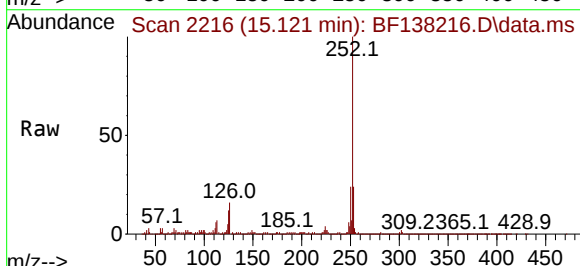
Tgt Ion:252 Resp: 573083

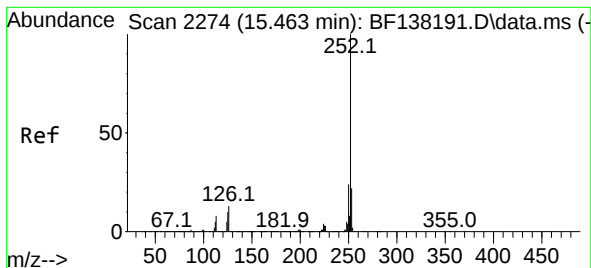
Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

125 11.9 8.0 12.0





#90

Benzo(a)pyrene

Concen: 34.971 ng

RT: 15.462 min Scan# 2113

Delta R.T. -0.000 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

Instrument :

BNA_F

ClientSampleId :

EXT-PE4

Tgt Ion:252 Resp: 1113410

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

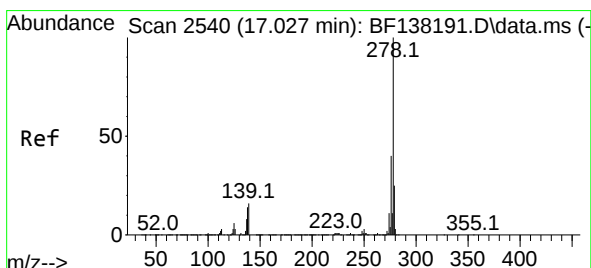
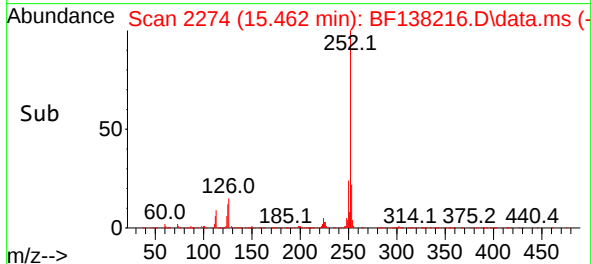
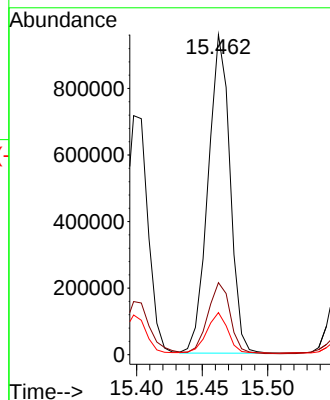
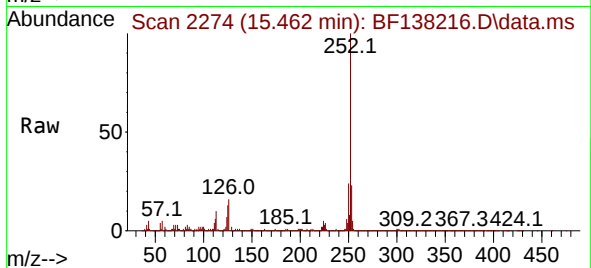
125 13.2 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024

Supervised By :mohammad ahmed 06/19/2024



#91

Dibenzo(a,h)anthracene

Concen: 5.395 ng

RT: 17.015 min Scan# 2538

Delta R.T. -0.012 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

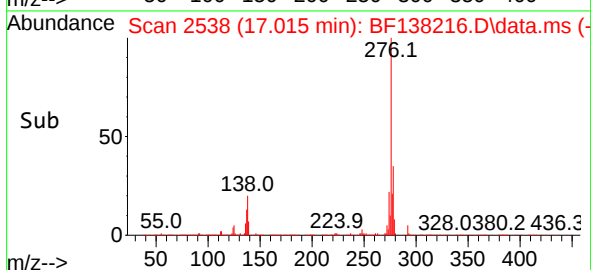
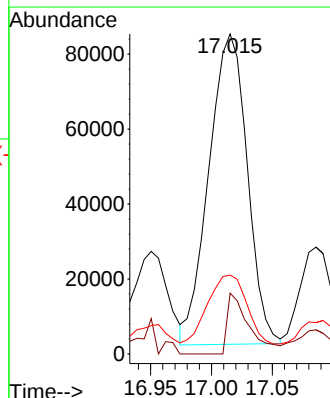
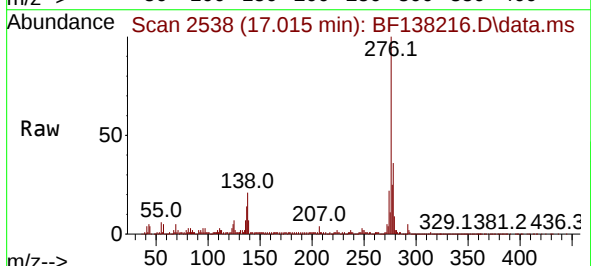
Tgt Ion:278 Resp: 181424

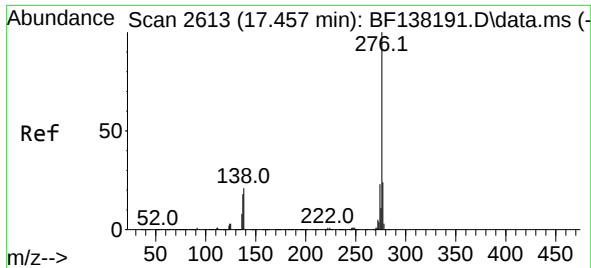
Ion Ratio Lower Upper

278 100

139 19.0 12.9 19.3

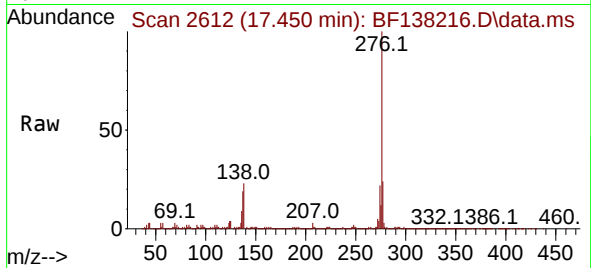
279 24.6 19.9 29.9





#92
Benzo(g,h,i)perylene
Concen: 20.773 ng
RT: 17.450 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

Instrument :
BNA_F
ClientSampleId :
EXT-PE4



Tgt Ion: 276 Resp: 72264

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.5	29.3
138	22.9	16.6	24.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024
Supervised By :mohammad ahmed 06/19/2024

