

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061924\
 Data File : BF138249.D
 Acq On : 19 Jun 2024 16:59
 Operator : CG\JU
 Sample : P2930-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPE

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/20/2024
 Supervised By :mohammad ahmed 06/21/2024

Quant Time: Jun 19 17:23:12 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	317316	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	1180690	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	573331	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	845305	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	591201	20.000	ng	-0.01
86) Perylene-d12	15.515	264	530473	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	2094250	110.405	ng	0.00
7) Phenol-d6	6.516	99	2535994	105.432	ng	0.00
23) Nitrobenzene-d5	7.445	82	1585196	78.161	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	581152	101.820	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2650088	73.501	ng	-0.01
79) Terphenyl-d14	12.992	244	2378094	63.709	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.428	178	718462	17.187	ng	97
72) Anthracene	11.480	178	216547	5.217	ng	97
75) Fluoranthene	12.616	202	958110	22.476	ng	98
78) Pyrene	12.845	202	889076	17.435	ng	98
81) Benzo(a)anthracene	14.033	228	506783	13.362	ng	98
83) Chrysene	14.069	228	453377	12.541	ng	98
87) Indeno(1,2,3-cd)pyrene	16.980	276	133357	3.856	ng	97
88) Benzo(b)fluoranthene	15.080	252	405429m	12.960	ng	
89) Benzo(k)fluoranthene	15.104	252	152887m	4.987	ng	
90) Benzo(a)pyrene	15.445	252	299188	11.133	ng	# 98
92) Benzo(g,h,i)perylene	17.427	276	112431	3.829	ng	98

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

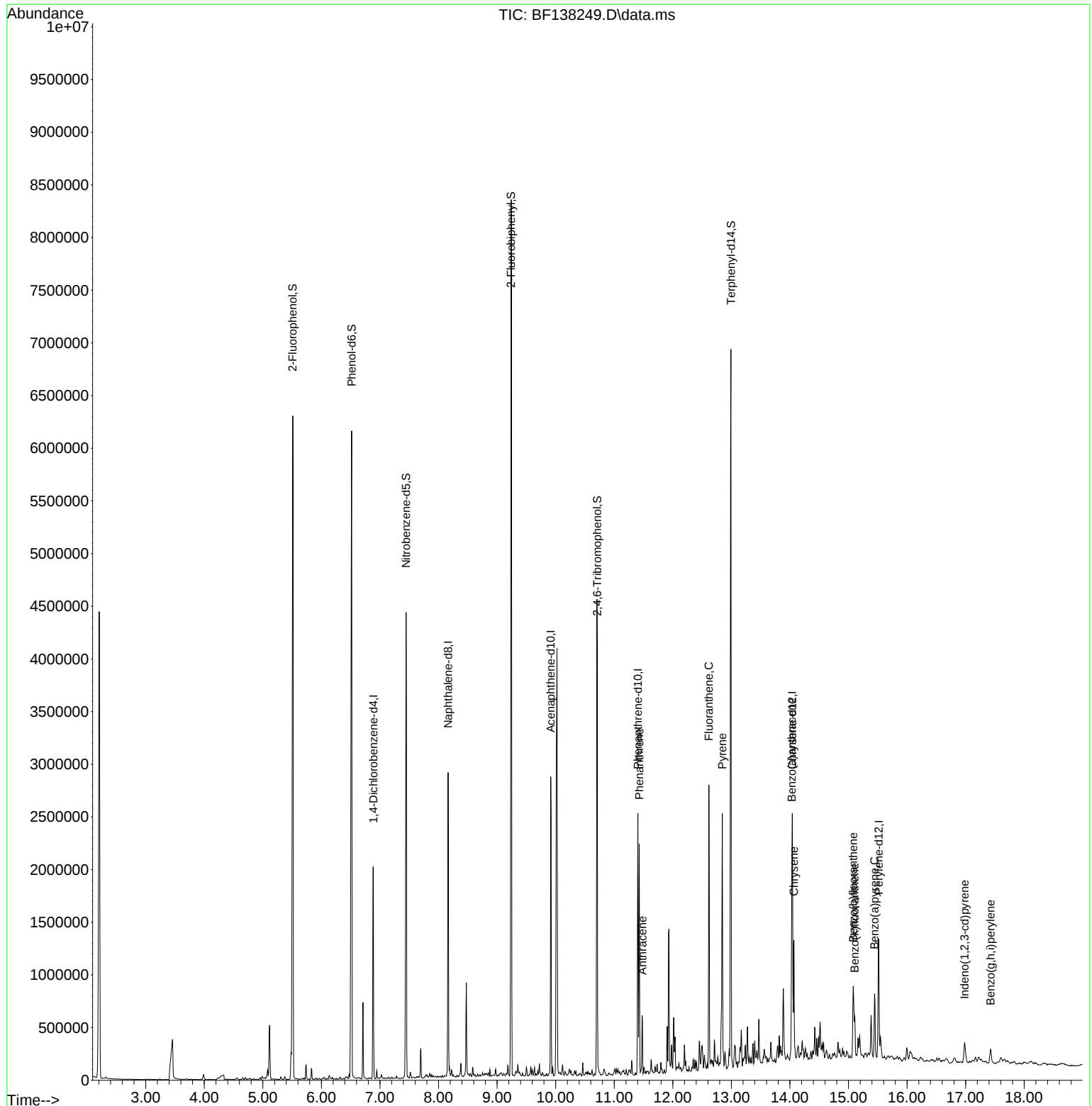
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061924\
Data File : BF138249.D
Acq On : 19 Jun 2024 16:59
Operator : CG\JU
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ALS Vial : 6 Sample Multiplier: 1

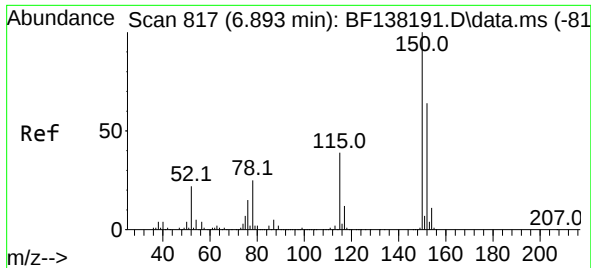
Instrument :
BNA_F
ClientSampleId :
WCS-TPE

Quant Time: Jun 19 17:23:12 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
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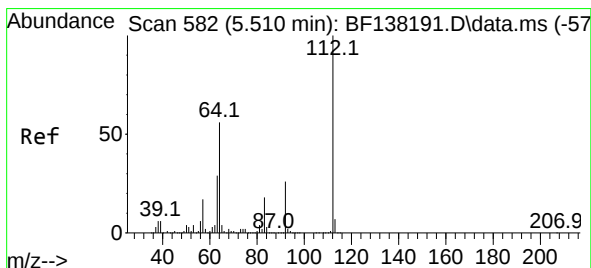
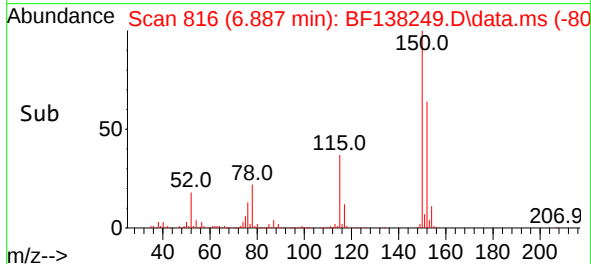
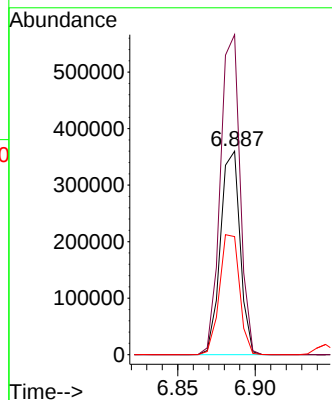
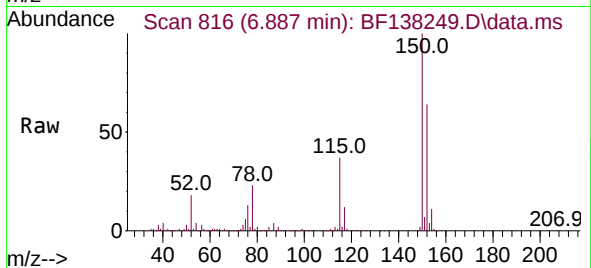
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

Instrument :
BNA_F
ClientSampleId :
WCS-TPE

Tgt Ion:152 Resp: 317310
Ion Ratio Lower Upper
152 100
150 157.2 125.0 187.4
115 58.0 48.4 72.6

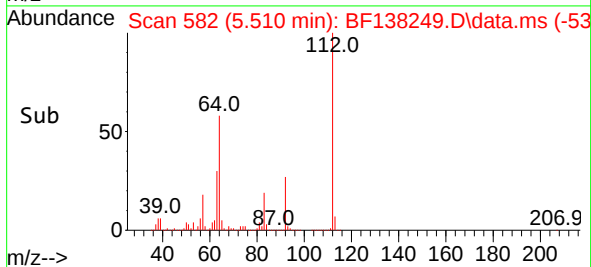
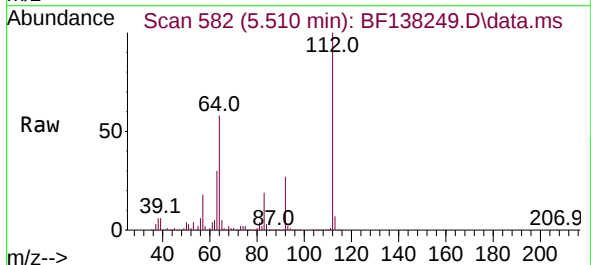
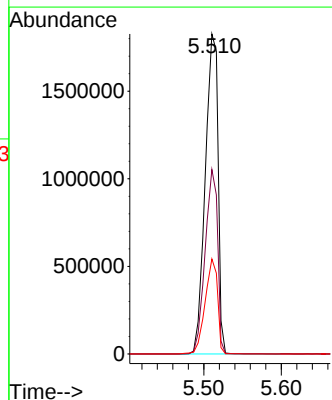
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#5
2-Fluorophenol
Concen: 110.405 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

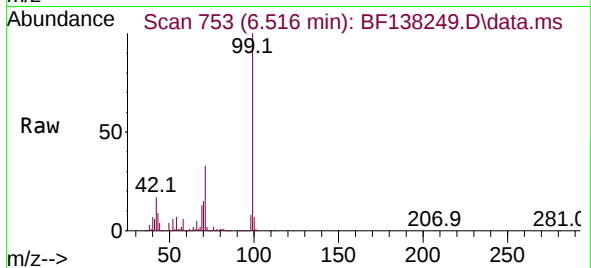
Tgt Ion:112 Resp: 2094250
Ion Ratio Lower Upper
112 100
64 57.7 45.2 67.8
63 29.7 22.9 34.3





#7
Phenol-d6
Concen: 105.432 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

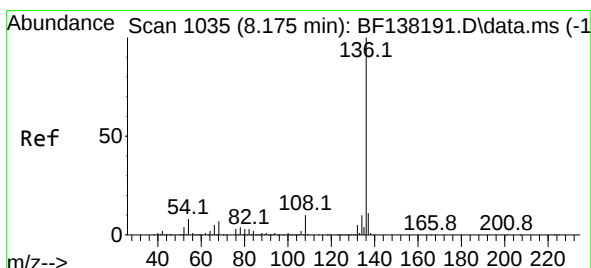
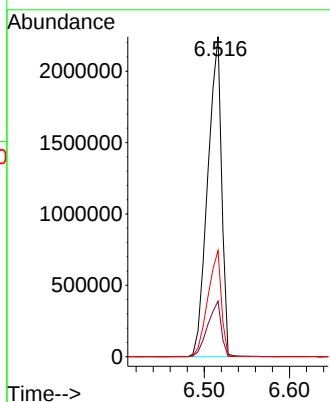
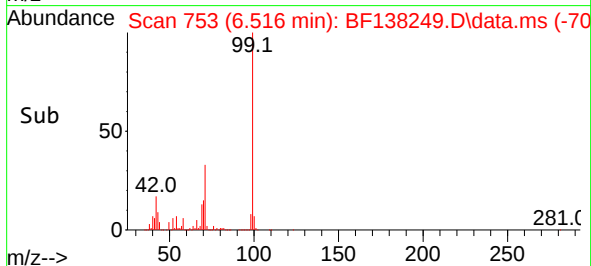
Instrument :
BNA_F
ClientSampleId :
WCS-TPE



Tgt Ion: 99 Resp: 2535994
Ion Ratio Lower Upper
99 100
42 17.3 13.7 20.5
71 33.2 25.0 37.6

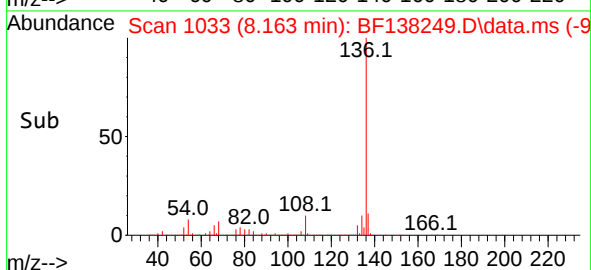
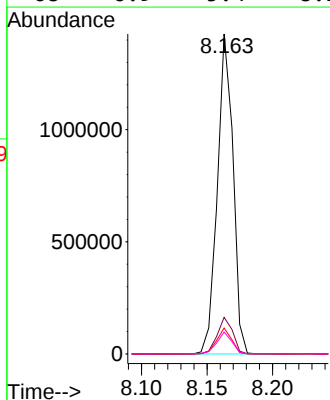
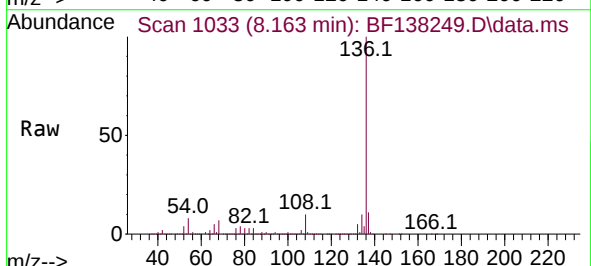
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Supervised By :mohammad ahmed 06/21/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

Tgt Ion:136 Resp: 1180690
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 8.1 6.6 10.0
68 6.9 5.4 8.2





#23

Nitrobenzene-d5

Concen: 78.161 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

Instrument :

BNA_F

ClientSampleId :

WCS-TPE

Tgt Ion: 82 Resp: 1585190

Ion Ratio Lower Upper

82 100

128 46.5 37.2 55.8

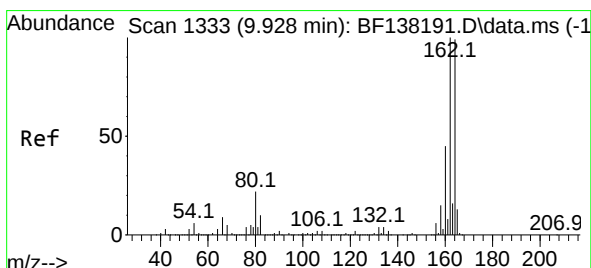
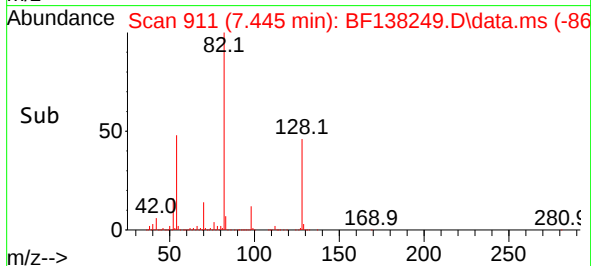
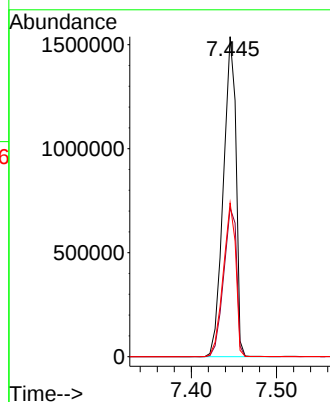
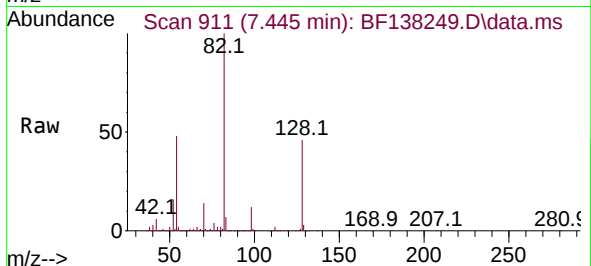
54 48.0 39.8 59.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1331

Delta R.T. -0.012 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

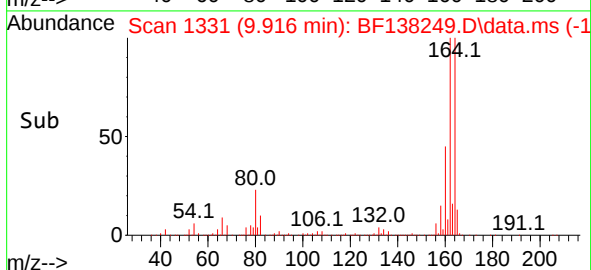
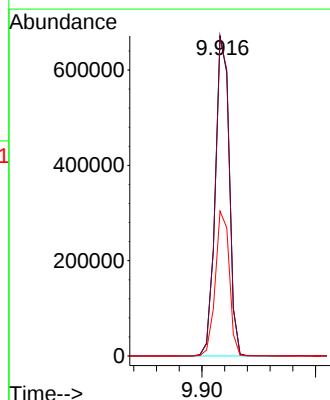
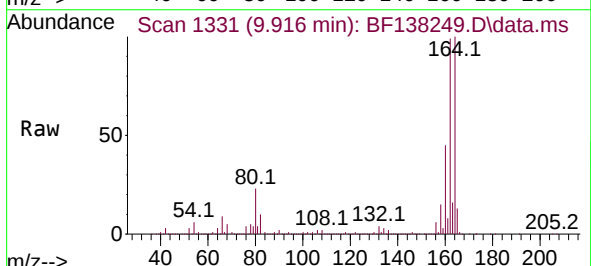
Tgt Ion:164 Resp: 573331

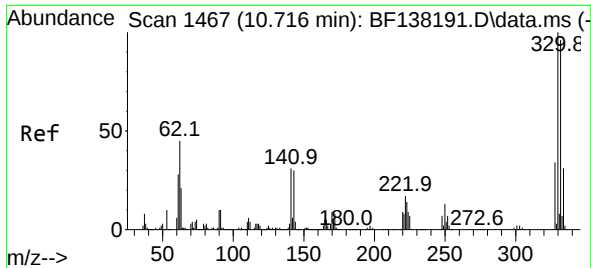
Ion Ratio Lower Upper

164 100

162 99.4 80.6 121.0

160 45.3 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 101.820 ng
RT: 10.710 min Scan# 1467
Delta R.T. -0.006 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

Instrument :

BNA_F

ClientSampleId :

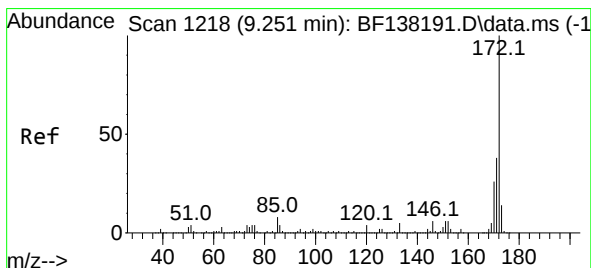
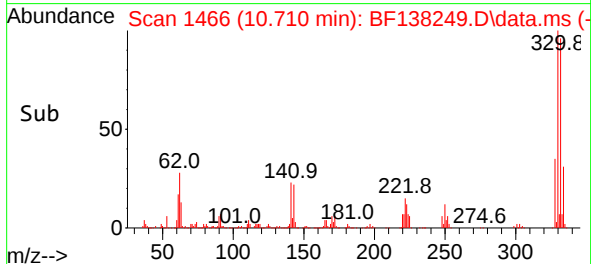
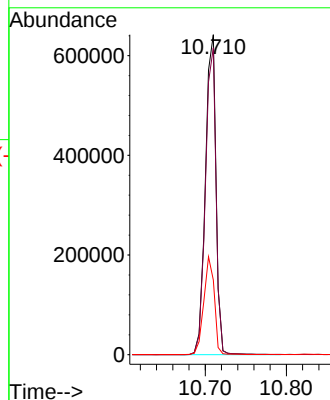
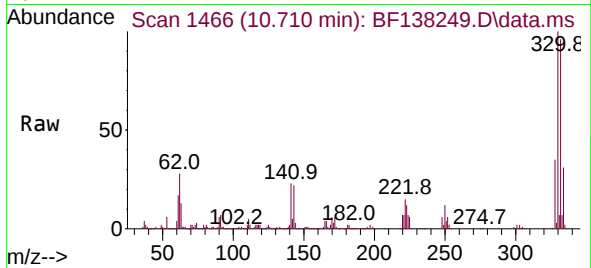
WCS-TPE

Tgt Ion:330 Resp: 581152
Ion Ratio Lower Upper
330 100
332 96.3 76.6 115.0
141 30.4 23.9 35.9

Manual Integrations

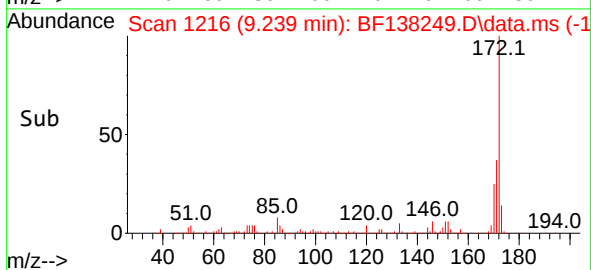
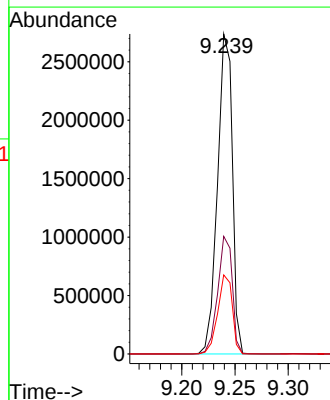
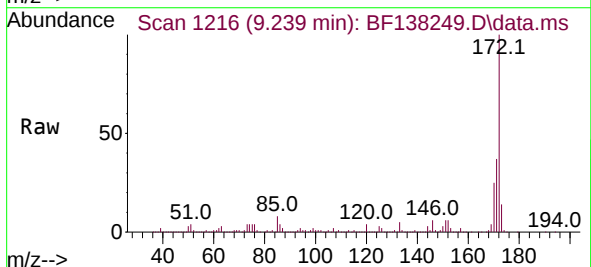
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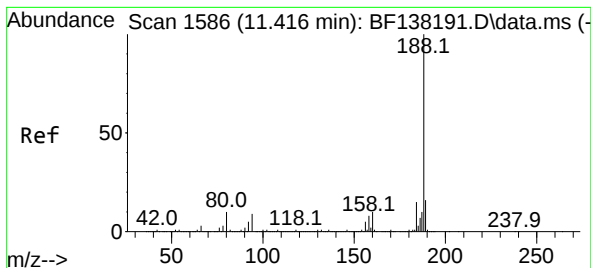
Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#45
2-Fluorobiphenyl
Concen: 73.501 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

Tgt Ion:172 Resp: 2650088
Ion Ratio Lower Upper
172 100
171 36.7 30.3 45.5
170 24.7 20.6 30.8





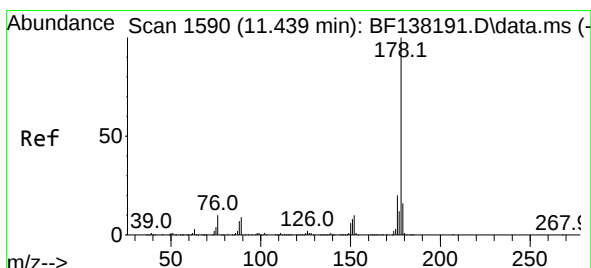
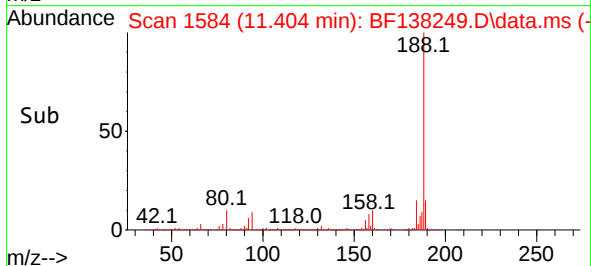
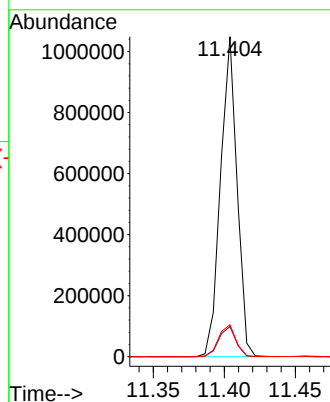
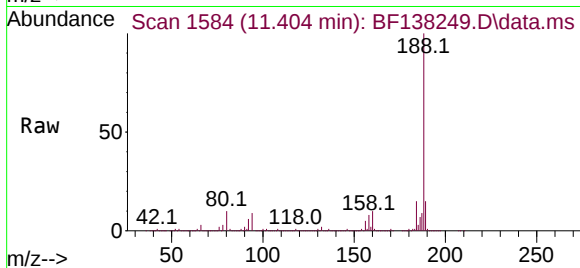
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

Instrument :
BNA_F
ClientSampleId :
WCS-TPE

Tgt Ion:188 Resp: 845305
Ion Ratio Lower Upper
188 100
94 9.4 7.6 11.4
80 10.0 8.1 12.1

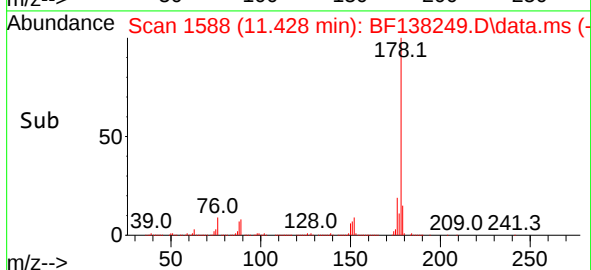
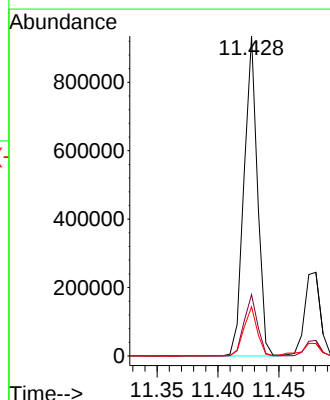
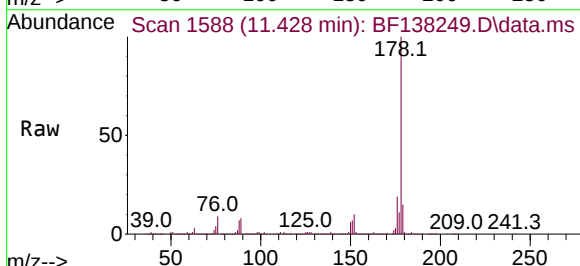
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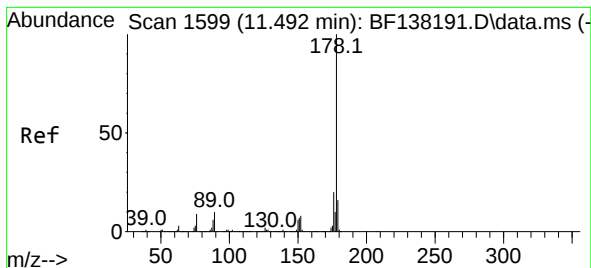
Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#71
Phenanthrene
Concen: 17.187 ng
RT: 11.428 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

Tgt Ion:178 Resp: 718462
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 15.4 13.1 19.7





#72

Anthracene

Concen: 5.217 ng

RT: 11.480 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

Instrument :

BNA_F

ClientSampleId :

WCS-TPE

Tgt Ion:178 Resp: 21654

Ion Ratio Lower Upper

178 100

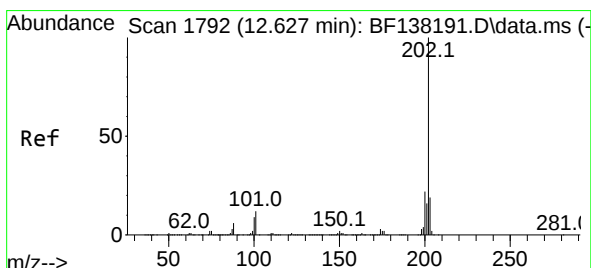
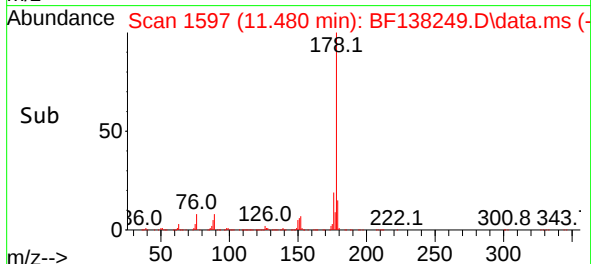
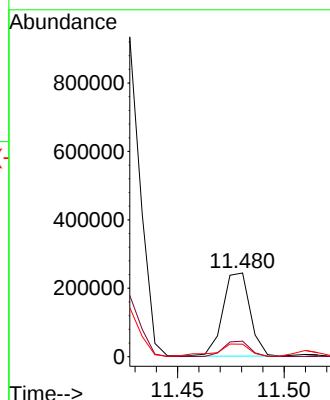
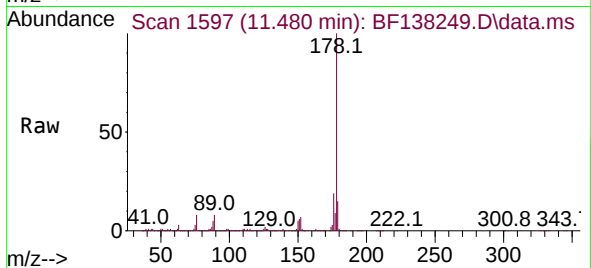
176 18.5 15.7 23.5

179 15.0 13.0 19.6

Manual Integrations

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Supervised By :mohammad ahmed 06/21/2024



#75

Fluoranthene

Concen: 22.476 ng

RT: 12.616 min Scan# 1790

Delta R.T. -0.012 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

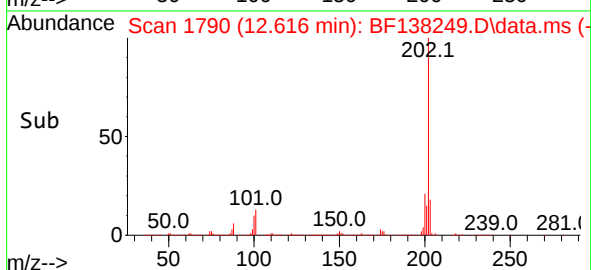
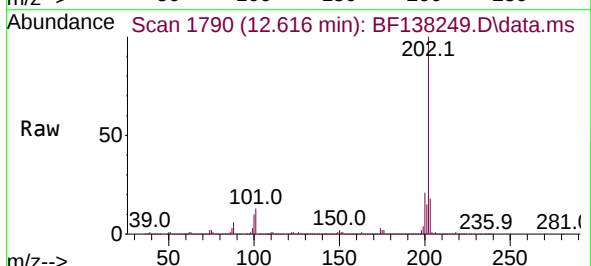
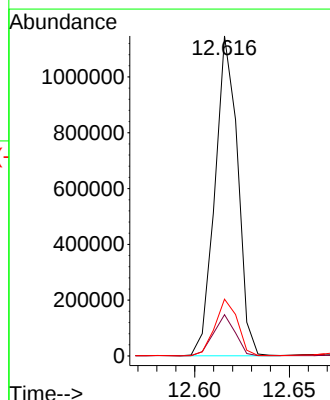
Tgt Ion:202 Resp: 958110

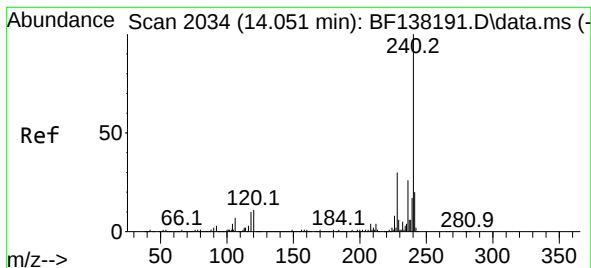
Ion Ratio Lower Upper

202 100

101 12.9 0.0 31.8

203 17.8 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2034

Delta R.T. -0.012 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

Instrument :

BNA_F

ClientSampleId :

WCS-TPE

Tgt Ion:240 Resp: 59120

Ion Ratio Lower Upper

240 100

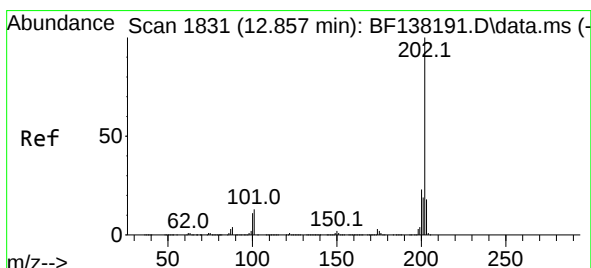
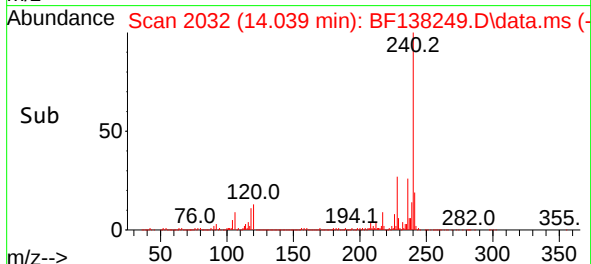
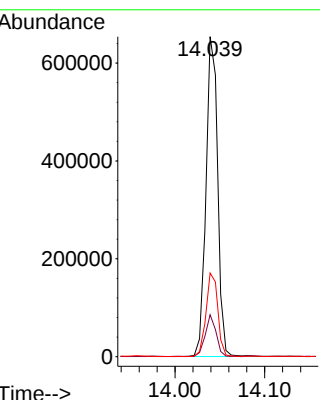
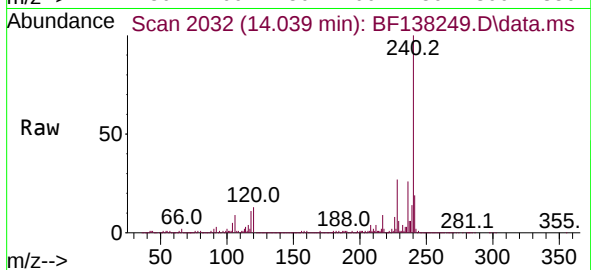
120 13.1 9.2 13.8

236 26.1 21.0 31.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#78

Pyrene

Concen: 17.435 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.012 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

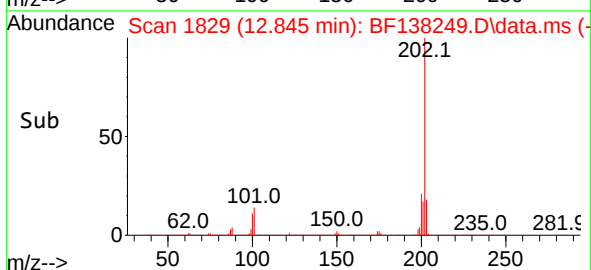
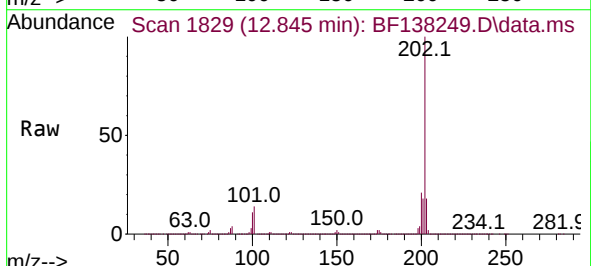
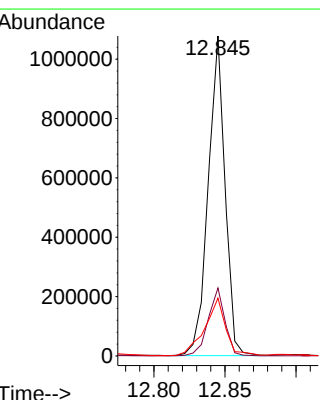
Tgt Ion:202 Resp: 889076

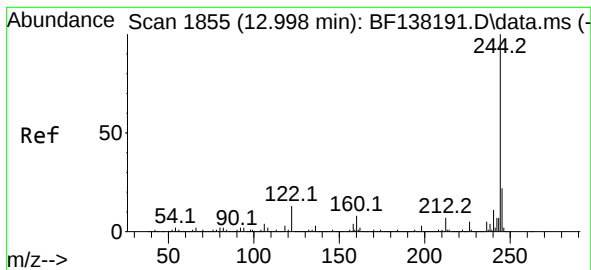
Ion Ratio Lower Upper

202 100

200 21.2 18.0 27.0

203 18.0 14.7 22.1





#79

Terphenyl-d14

Concen: 63.709 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

Instrument :

BNA_F

ClientSampleId :

WCS-TPE

Tgt Ion:244 Resp: 2378094

Ion Ratio Lower Upper

244 100

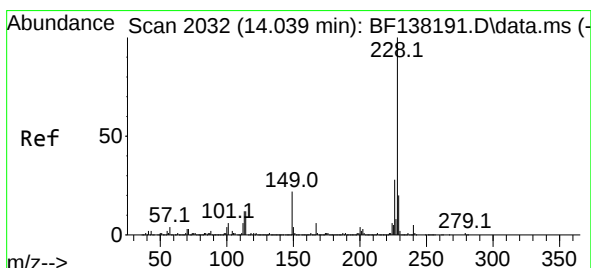
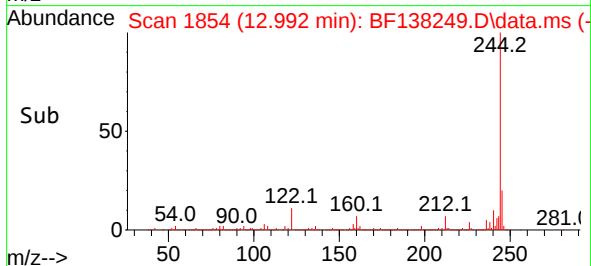
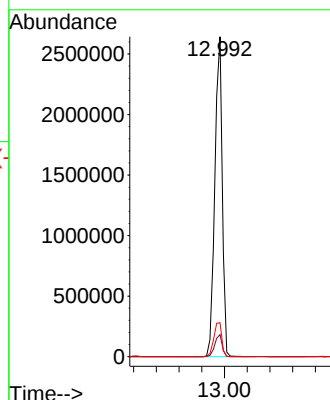
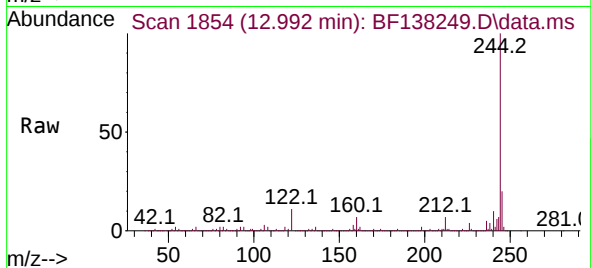
212 6.9 5.9 8.9

122 10.6 10.6 15.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#81

Benzo(a)anthracene

Concen: 13.362 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

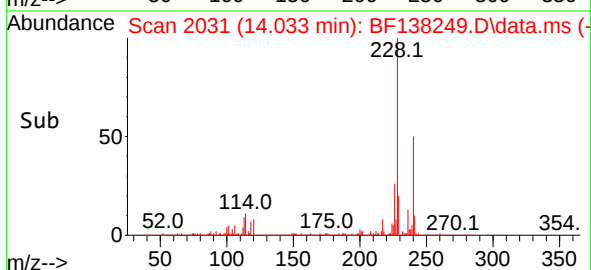
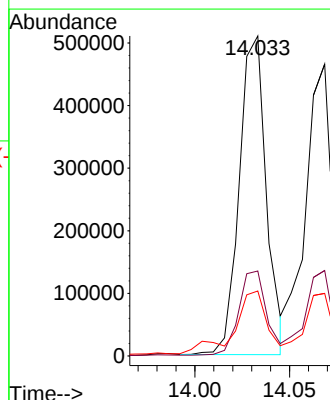
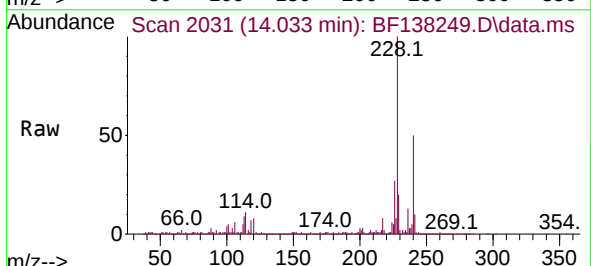
Tgt Ion:228 Resp: 506783

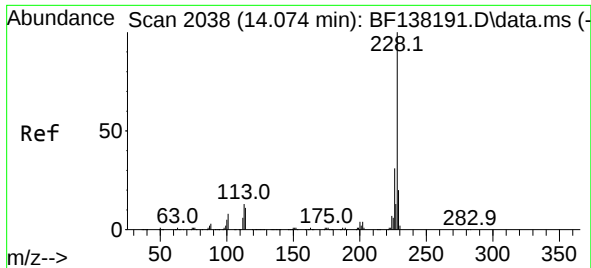
Ion Ratio Lower Upper

228 100

226 26.6 22.5 33.7

229 20.3 16.3 24.5





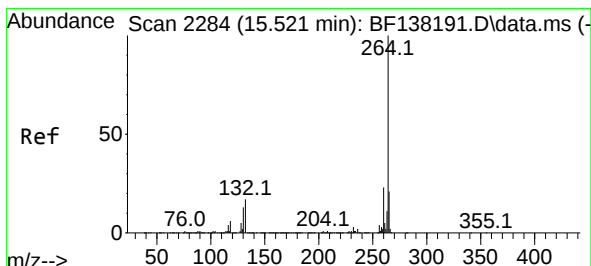
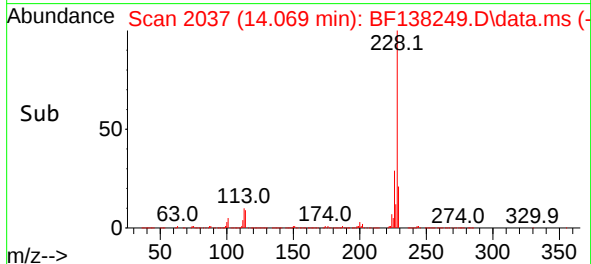
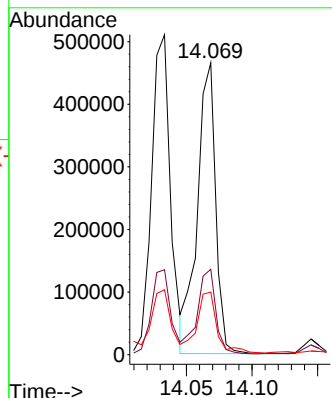
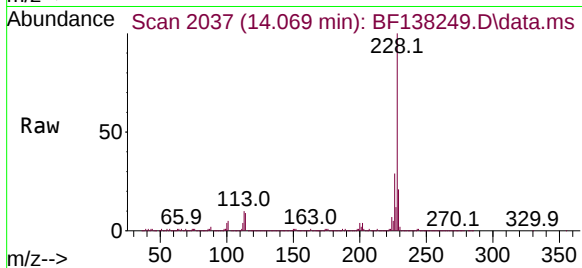
#83
Chrysene
Concen: 12.541 ng
RT: 14.069 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

Instrument :
BNA_F
ClientSampleId :
WCS-TPE

Tgt Ion:228 Resp: 45337
Ion Ratio Lower Upper
228 100
226 29.3 24.5 36.7
229 21.4 16.3 24.5

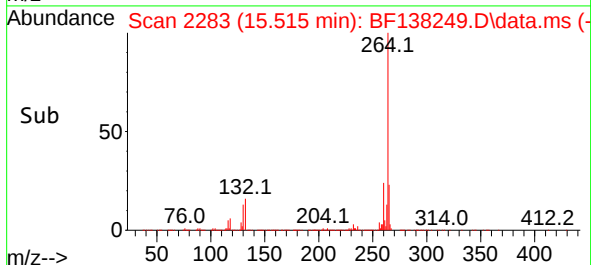
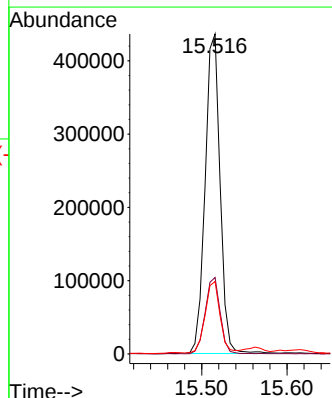
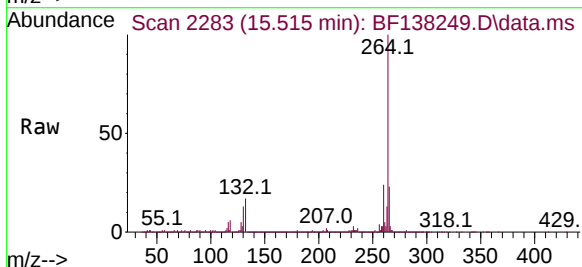
Manual Integrations
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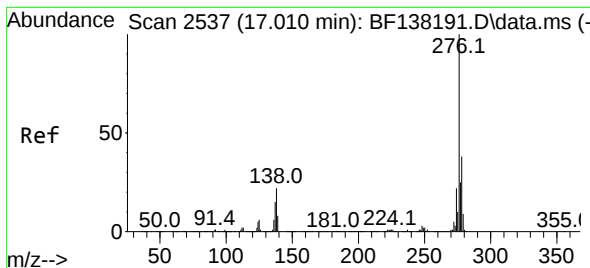
Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BF138249.D
Acq: 19 Jun 2024 16:59

Tgt Ion:264 Resp: 530473
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 22.7 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.856 ng

RT: 16.980 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

Instrument :

BNA_F

ClientSampleId :

WCS-TPE

Tgt Ion:276 Resp: 13335

Ion Ratio Lower Upper

276 100

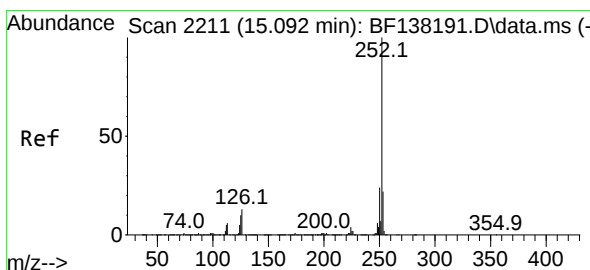
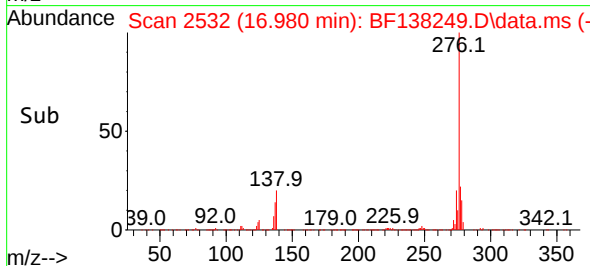
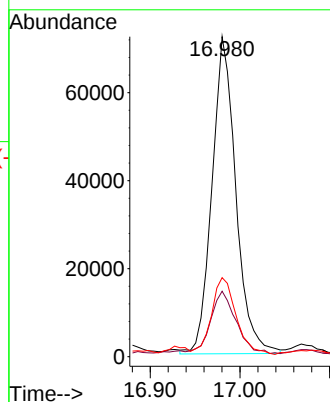
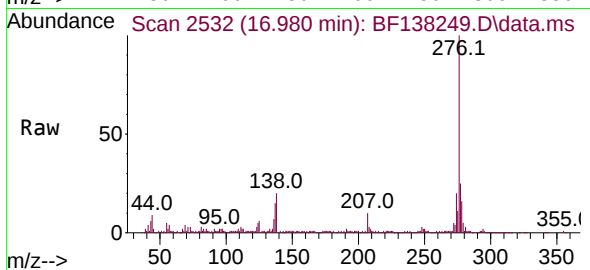
138 21.5 19.3 28.9

277 24.9 20.2 30.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/20/2024
Supervised By :mohammad ahmed 06/21/2024



#88

Benzo(b)fluoranthene

Concen: 12.960 ng m

RT: 15.080 min Scan# 2209

Delta R.T. -0.012 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

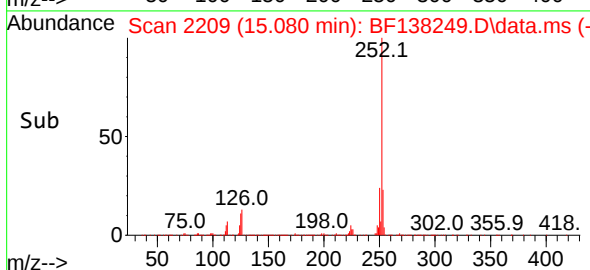
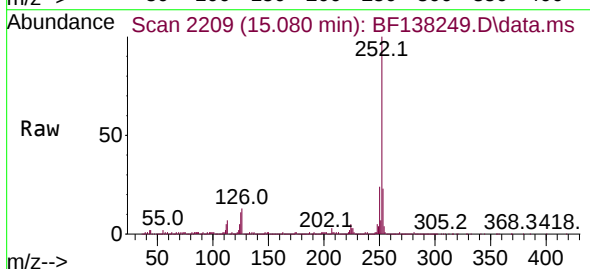
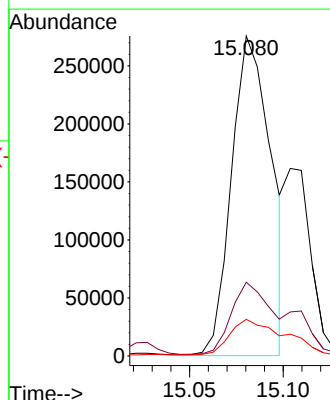
Tgt Ion:252 Resp: 405429

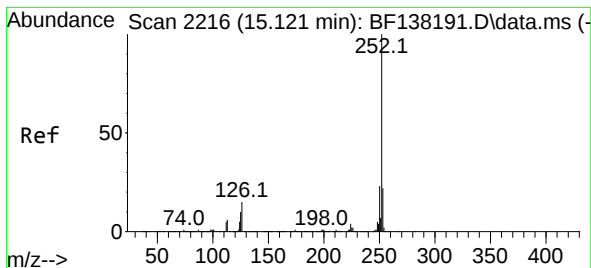
Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 11.5 7.8 11.8





#89

Benzo(k)fluoranthene

Concen: 4.987 ng m

RT: 15.104 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

Instrument :

BNA_F

ClientSampleId :

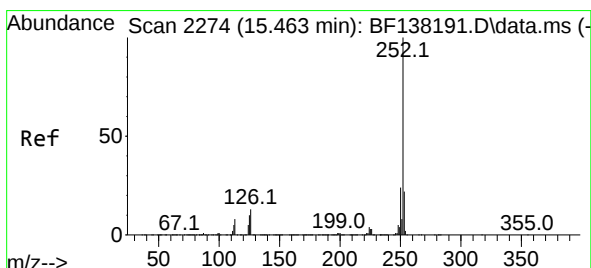
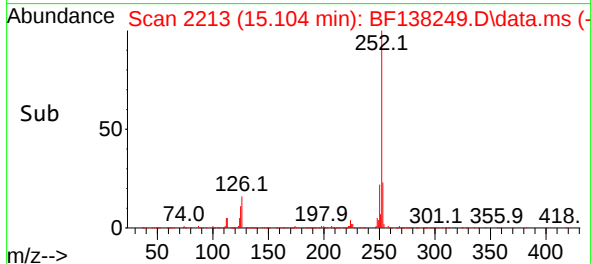
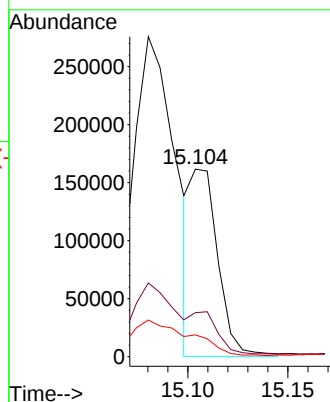
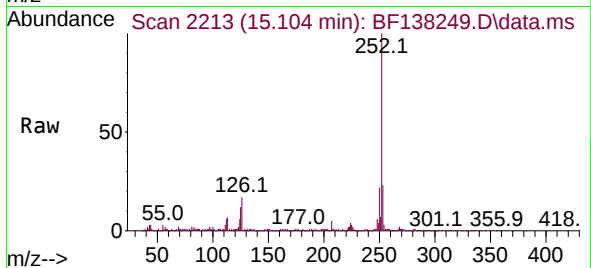
WCS-TPE

Tgt Ion:252 Resp: 15288
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.8 26.8
 125 11.6 8.0 12.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/20/2024
 Supervised By :mohammad ahmed 06/21/2024



#90

Benzo(a)pyrene

Concen: 11.133 ng

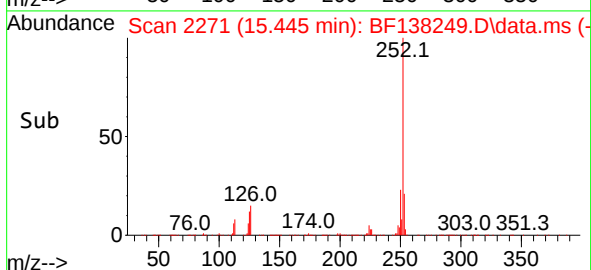
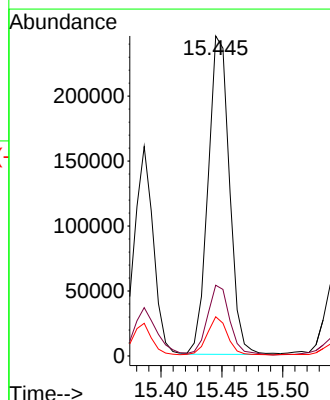
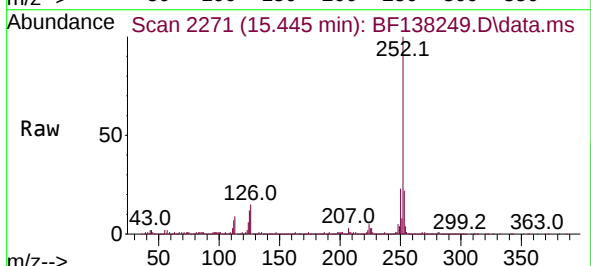
RT: 15.445 min Scan# 2271

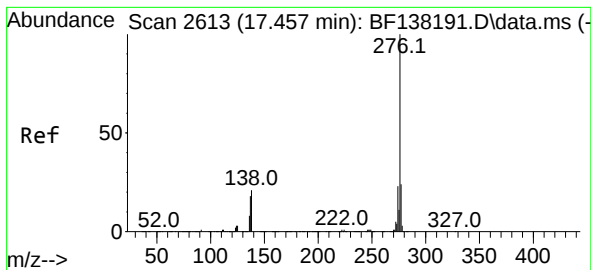
Delta R.T. -0.018 min

Lab File: BF138249.D

Acq: 19 Jun 2024 16:59

Tgt Ion:252 Resp: 299188
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.7 26.5
 125 12.3 8.2 12.2#





#92

Benzo(g,h,i)perylene

Concen: 3.829 ng

RT: 17.427 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF138249.D

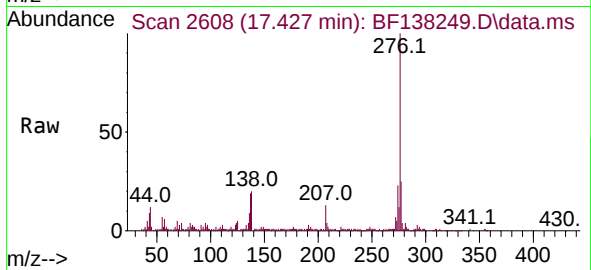
Acq: 19 Jun 2024 16:59

Instrument :

BNA_F

ClientSampleId :

WCS-TPE



Tgt Ion:276 Resp: 11243

Ion Ratio Lower Upper

276 100

277 25.3 19.5 29.3

138 20.1 16.6 24.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/20/2024

Supervised By :mohammad ahmed 06/21/2024

