

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
 Data File : BF140280.D
 Acq On : 07 Nov 2024 17:32
 Operator : RC/JU
 Sample : P4722-13 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3(0-6)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :mohammad ahmed 11/11/2024

Quant Time: Nov 08 01:29:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	116141	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	437848	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	226170	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	319073	20.000	ng	0.00
76) Chrysene-d12	14.051	240	257317	20.000	ng	-0.01
86) Perylene-d12	15.539	264	207144	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	121092	17.279	ng	0.00
7) Phenol-d6	6.492	99	157081	17.426	ng	-0.01
23) Nitrobenzene-d5	7.434	82	97760	11.101	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	30744	13.752	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	186479	13.166	ng	-0.01
79) Terphenyl-d14	12.986	244	144934	9.227	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	217036	14.253	ng	99
72) Anthracene	11.480	178	47797	3.201	ng	99
75) Fluoranthene	12.621	202	385234	24.195	ng	99
78) Pyrene	12.851	202	317617	14.950	ng	99
81) Benzo(a)anthracene	14.039	228	230097	13.934	ng	93
83) Chrysene	14.074	228	176165	11.392	ng	97
87) Indeno(1,2,3-cd)pyrene	17.039	276	62975	5.179	ng	95
88) Benzo(b)fluoranthene	15.104	252	210210m	16.777	ng	
89) Benzo(k)fluoranthene	15.121	252	66608m	5.793	ng	
90) Benzo(a)pyrene	15.474	252	127688	12.360	ng	97
92) Benzo(g,h,i)perylene	17.492	276	55538	5.442	ng	95

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

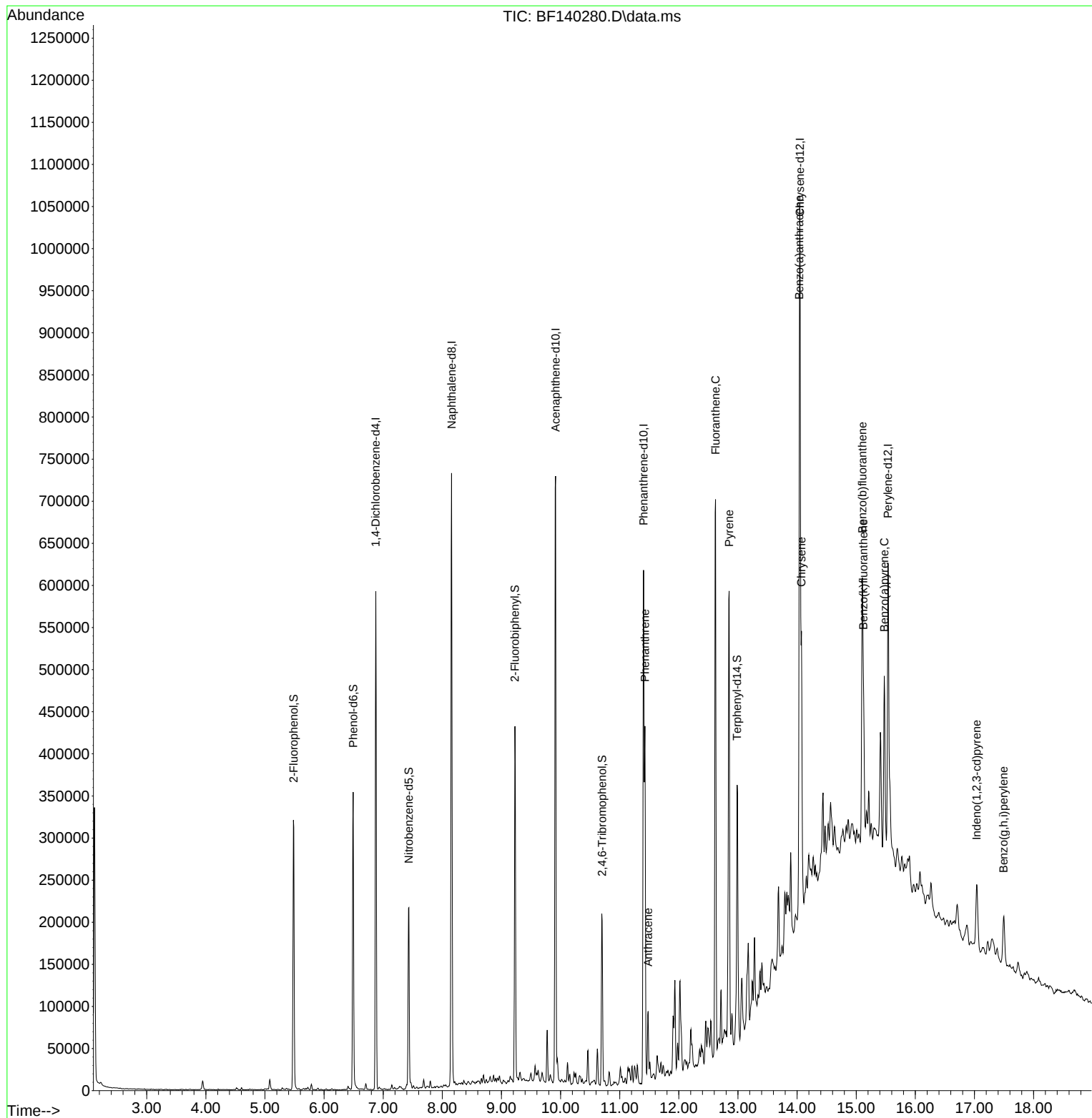
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140280.D
Acq On : 07 Nov 2024 17:32
Operator : RC/JU
Sample : P4722-13 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

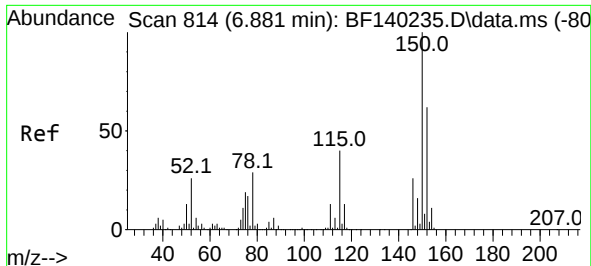
Instrument :
BNA_F
ClientSampleId :
WC-3(0-6)

Quant Time: Nov 08 01:29:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
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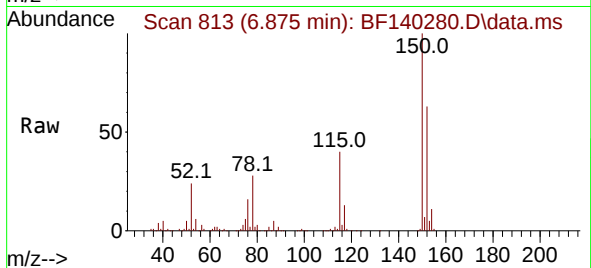
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

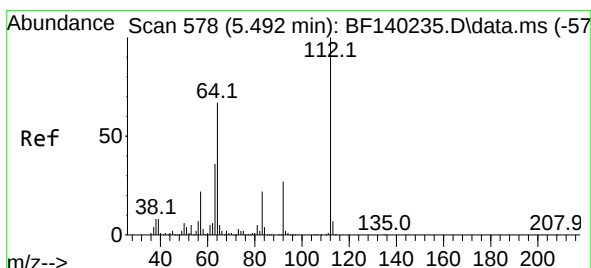
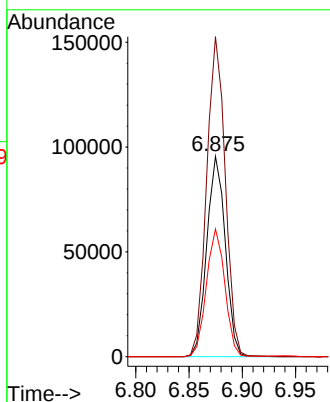
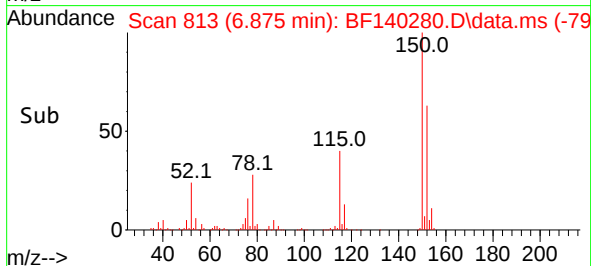
Instrument :
BNA_F
ClientSampleId :
WC-3(0-6)



Tgt Ion:152 Resp: 11614
Ion Ratio Lower Upper
152 100
150 159.7 129.4 194.2
115 63.7 51.5 77.3

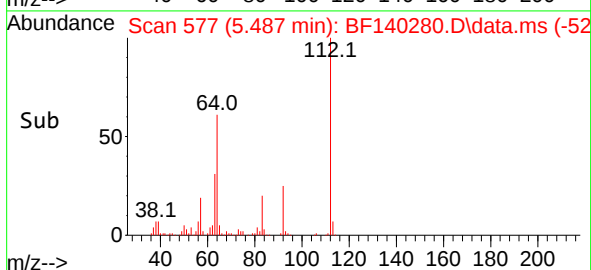
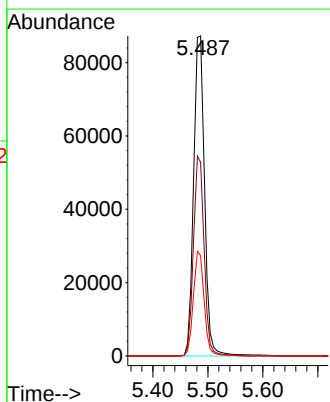
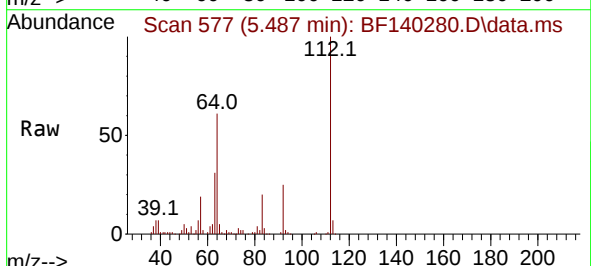
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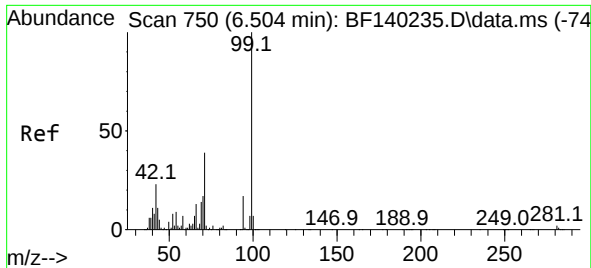
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#5
2-Fluorophenol
Concen: 17.279 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

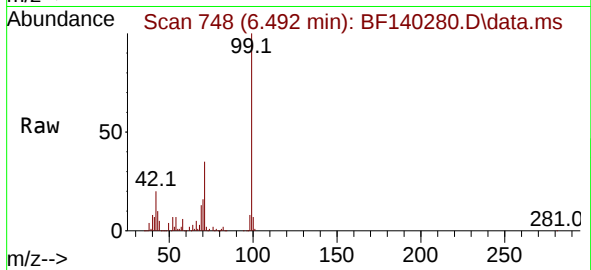
Tgt Ion:112 Resp: 121092
Ion Ratio Lower Upper
112 100
64 60.5 53.4 80.2
63 31.4 28.9 43.3





#7
Phenol-d6
Concen: 17.426 ng
RT: 6.492 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

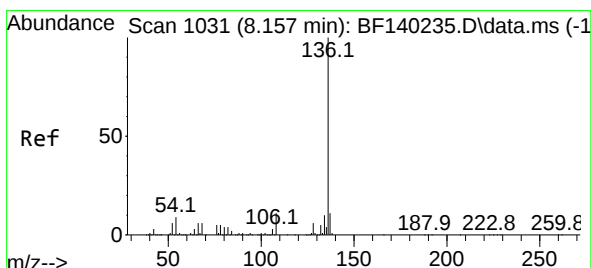
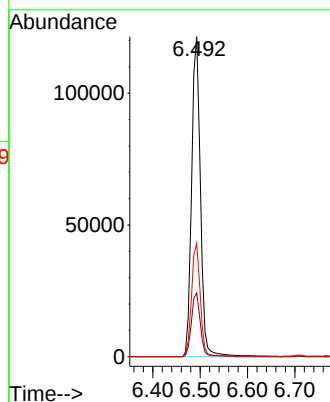
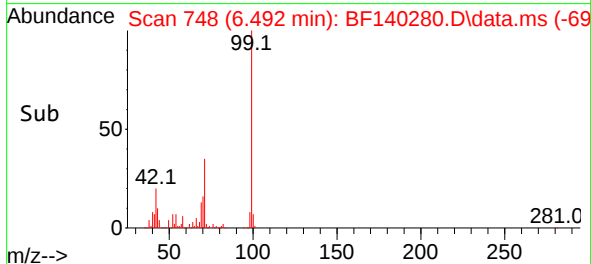
Instrument :
BNA_F
ClientSampleId :
WC-3(0-6)



Tgt Ion: 99 Resp: 15708
Ion Ratio Lower Upper
99 100
42 19.9 18.2 27.2
71 35.4 30.9 46.3

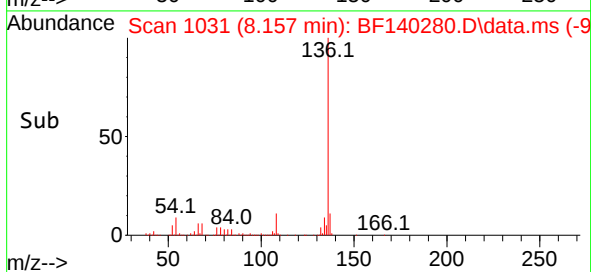
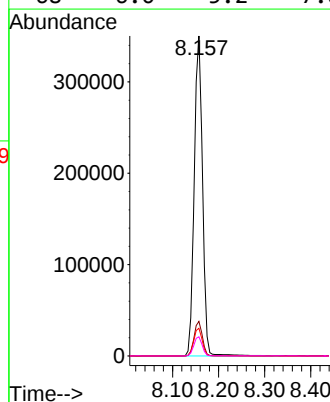
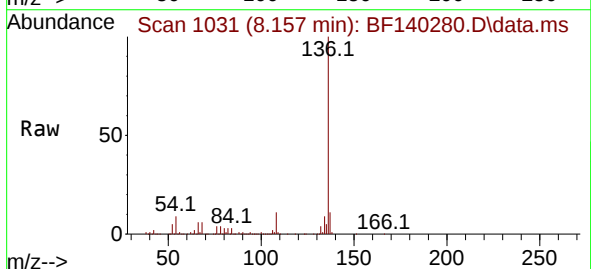
Manual Integrations
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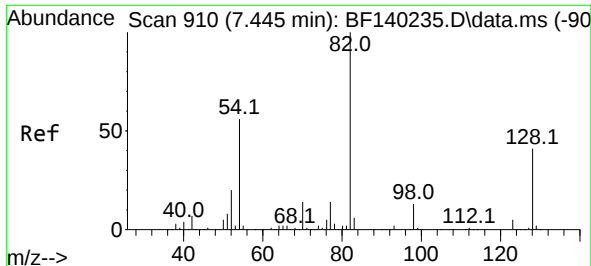
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

Tgt Ion:136 Resp: 437848
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 8.7 7.7 11.5
68 6.0 5.2 7.8





#23

Nitrobenzene-d5

Concen: 11.101 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

Instrument :

BNA_F

ClientSampleId :

WC-3(0-6)

Tgt Ion: 82 Resp: 97760

Ion Ratio Lower Upper

82 100

128 41.2 32.8 49.2

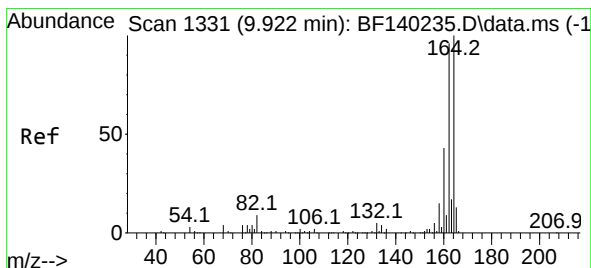
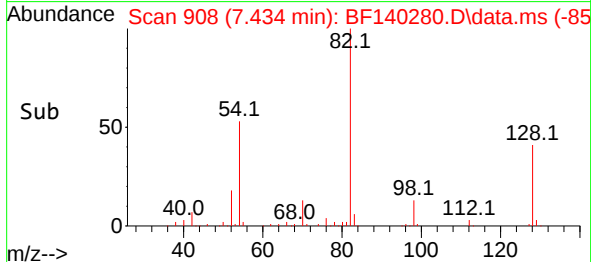
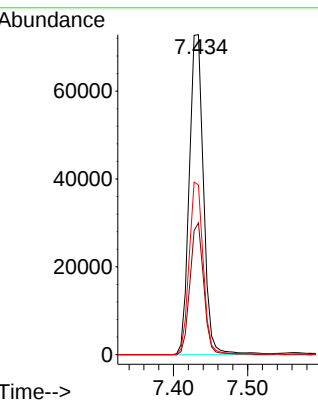
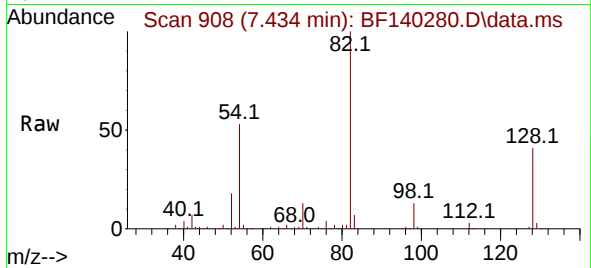
54 53.1 44.3 66.5

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Supervised By :mohammad ahmed 11/11/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.006 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

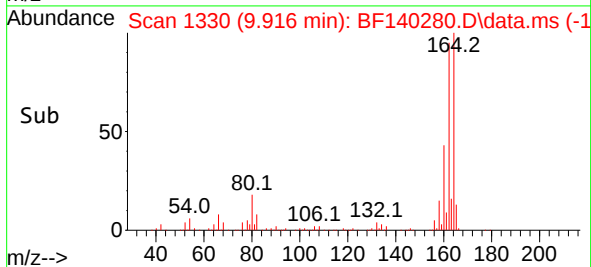
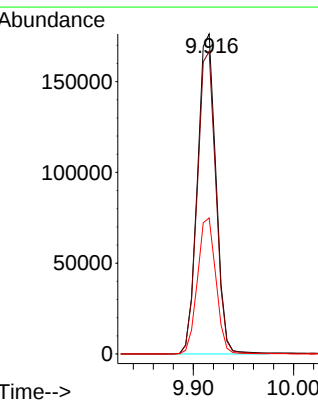
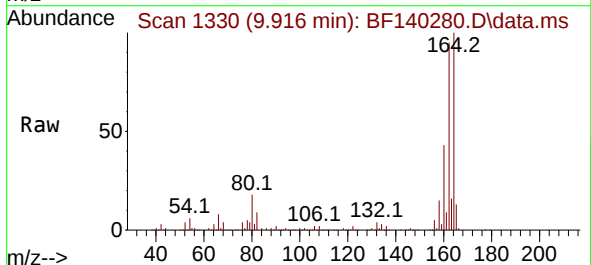
Tgt Ion:164 Resp: 226170

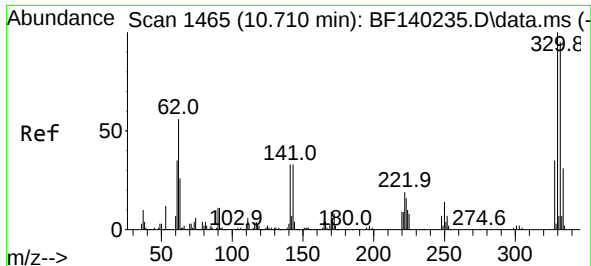
Ion Ratio Lower Upper

164 100

162 94.6 77.0 115.4

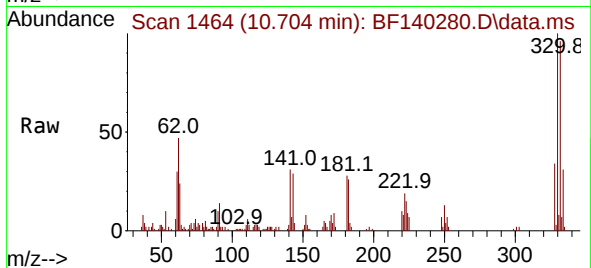
160 42.5 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 13.752 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

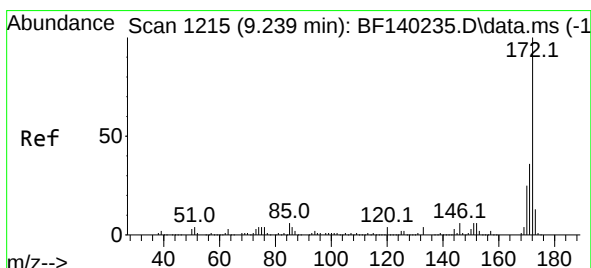
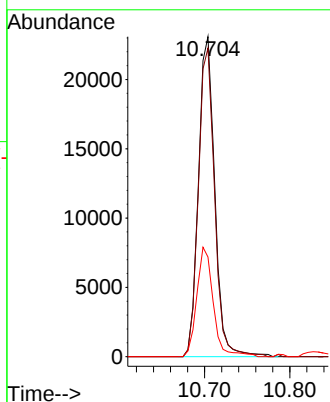
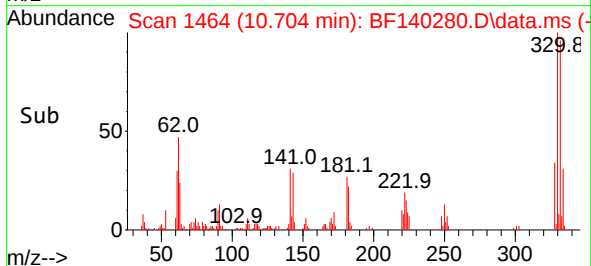
Instrument :
BNA_F
ClientSampleId :
WC-3(0-6)



Tgt Ion: 330 Resp: 30744
Ion Ratio Lower Upper
330 100
332 95.9 76.4 114.6
141 34.5 27.0 40.4

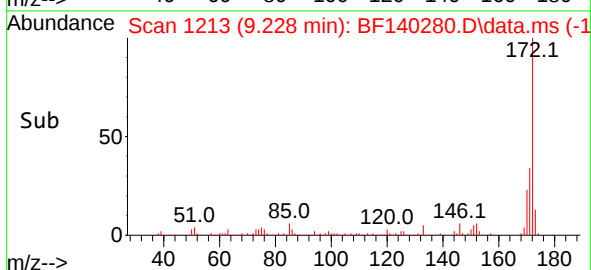
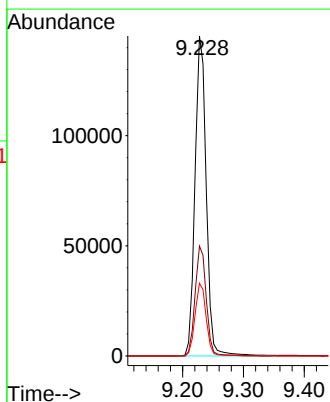
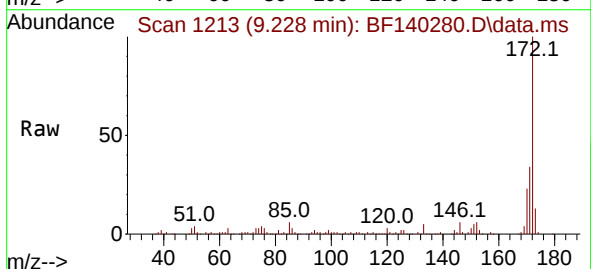
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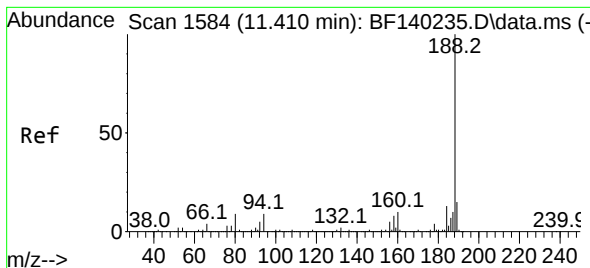
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#45
2-Fluorobiphenyl
Concen: 13.166 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

Tgt Ion: 172 Resp: 186479
Ion Ratio Lower Upper
172 100
171 34.4 28.8 43.2
170 22.8 19.6 29.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

Instrument :

BNA_F

ClientSampleId :

WC-3(0-6)

Tgt Ion:188 Resp: 31907

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

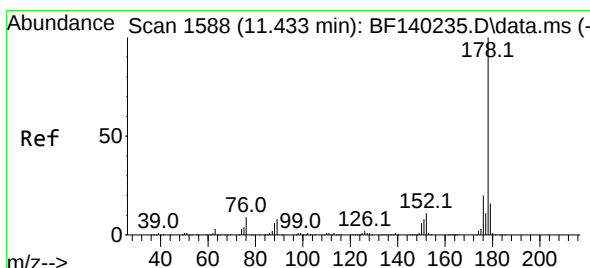
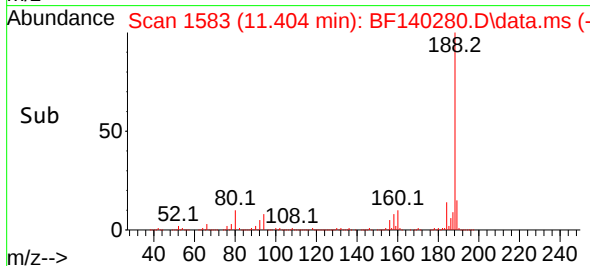
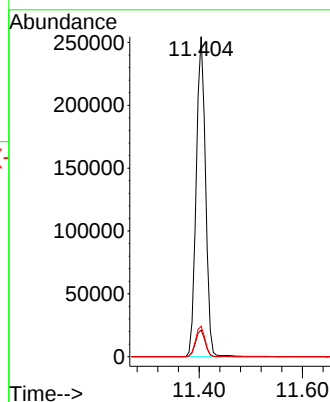
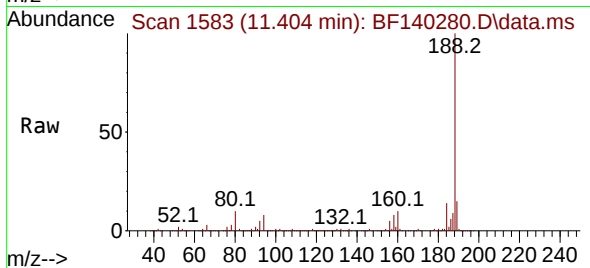
80 9.5 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/08/2024

Supervised By :mohammad ahmed 11/11/2024



#71

Phenanthrene

Concen: 14.253 ng

RT: 11.427 min Scan# 1587

Delta R.T. -0.006 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

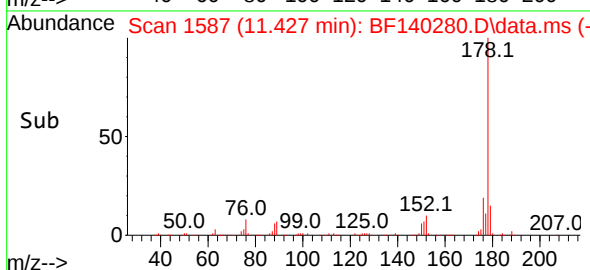
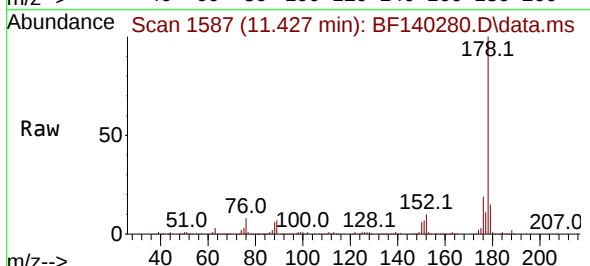
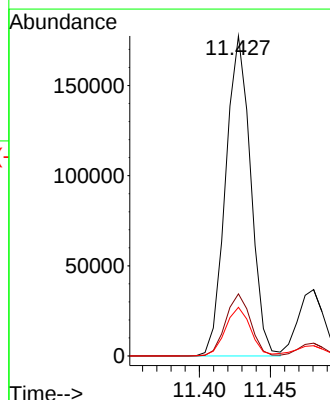
Tgt Ion:178 Resp: 217036

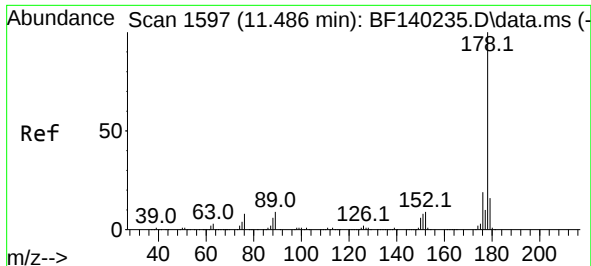
Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

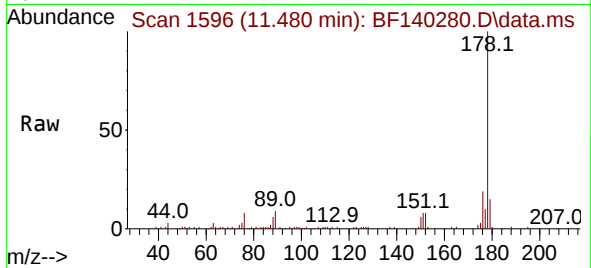
179 15.2 12.6 18.8





#72
 Anthracene
 Concen: 3.201 ng
 RT: 11.480 min Scan# 1597
 Delta R.T. -0.006 min
 Lab File: BF140280.D
 Acq: 07 Nov 2024 17:32

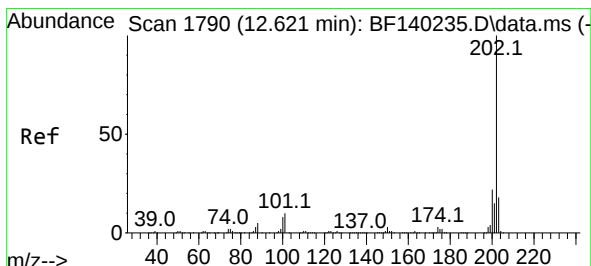
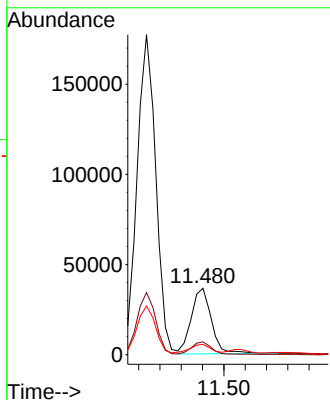
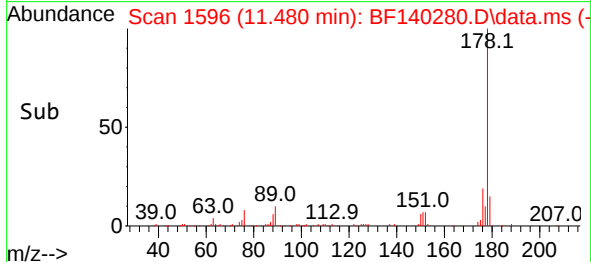
Instrument :
 BNA_F
 ClientSampleId :
 WC-3(0-6)



Tgt Ion:178 Resp: 4779
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.0
 179 15.4 12.7 19.1

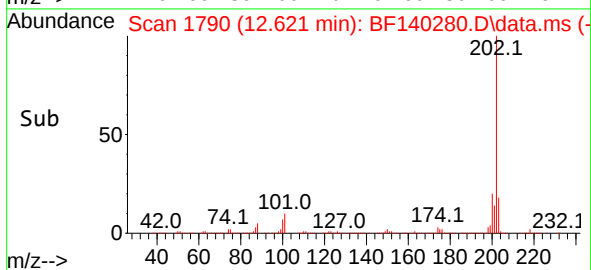
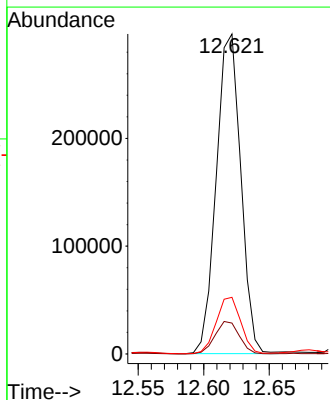
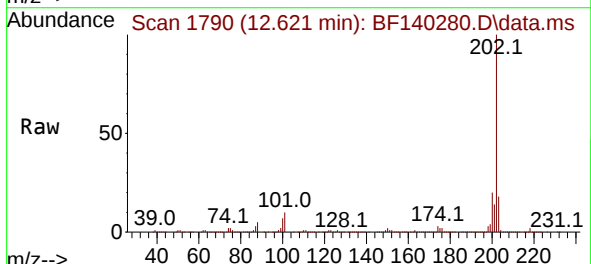
Manual Integrations
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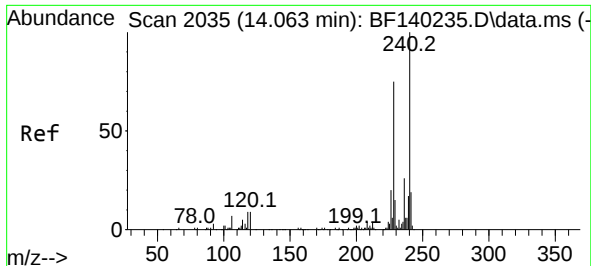
Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :mohammad ahmed 11/11/2024



#75
 Fluoranthene
 Concen: 24.195 ng
 RT: 12.621 min Scan# 1790
 Delta R.T. 0.000 min
 Lab File: BF140280.D
 Acq: 07 Nov 2024 17:32

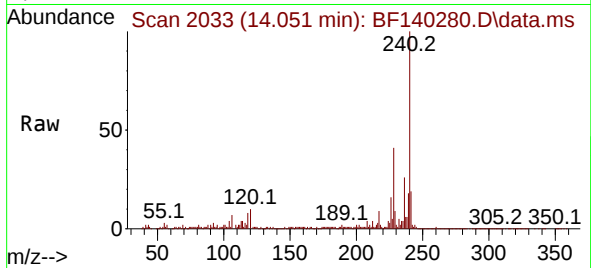
Tgt Ion:202 Resp: 385234
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 30.4
 203 17.7 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

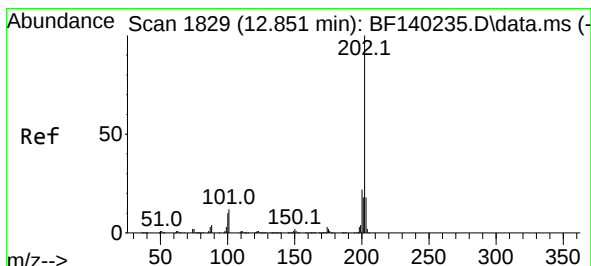
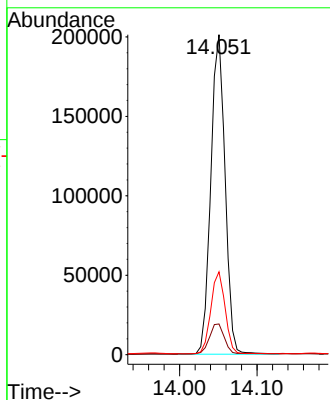
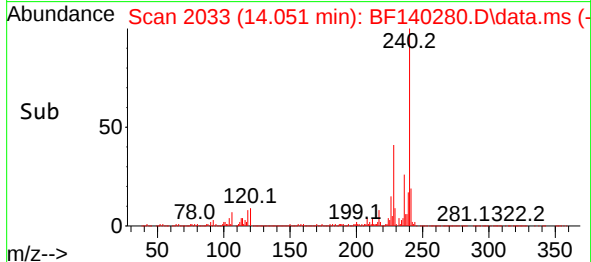
Instrument :
BNA_F
ClientSampleId :
WC-3(0-6)



Tgt Ion:240 Resp: 257317
Ion Ratio Lower Upper
240 100
120 9.6 7.5 11.3
236 25.9 20.9 31.3

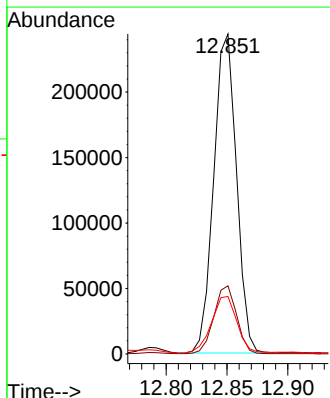
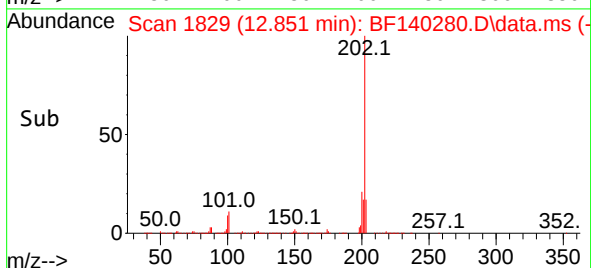
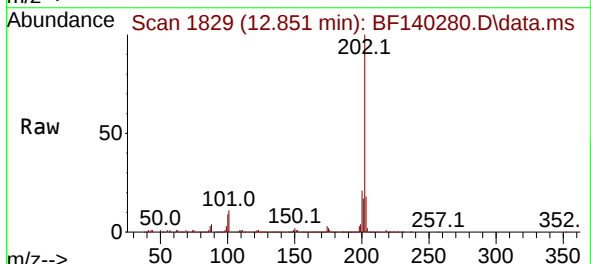
Manual Integrations
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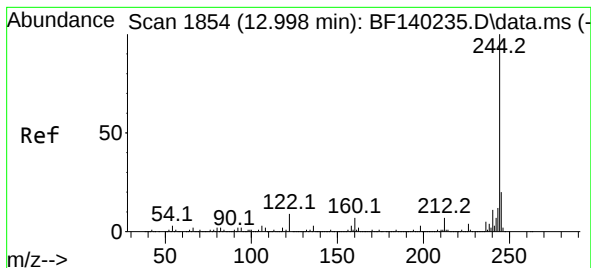
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#78
Pyrene
Concen: 14.950 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

Tgt Ion:202 Resp: 317617
Ion Ratio Lower Upper
202 100
200 21.3 17.5 26.3
203 18.0 14.4 21.6





#79

Terphenyl-d14

Concen: 9.227 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.012 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

Instrument :

BNA_F

ClientSampleId :

WC-3(0-6)

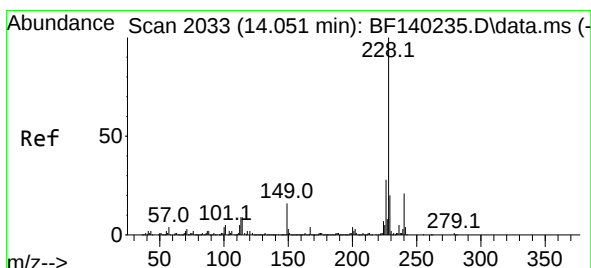
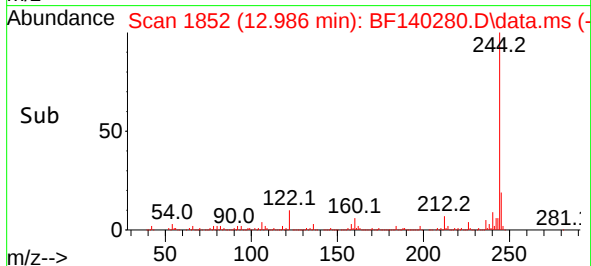
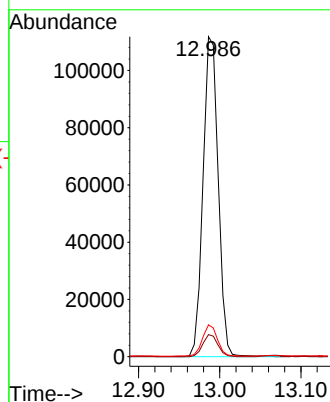
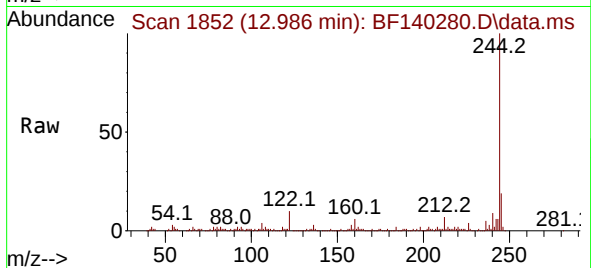
Tgt Ion:244 Resp: 144934
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.9 7.6 11.4

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Supervised By :mohammad ahmed 11/11/2024



#81

Benzo(a)anthracene

Concen: 13.934 ng

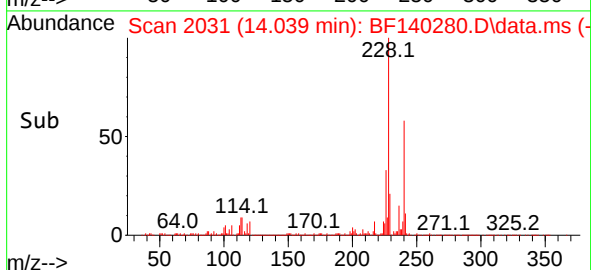
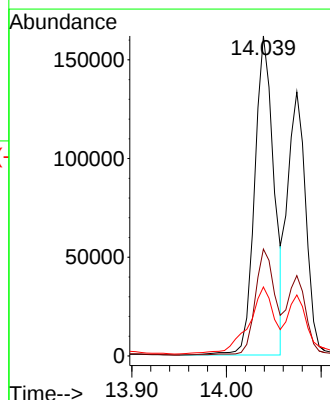
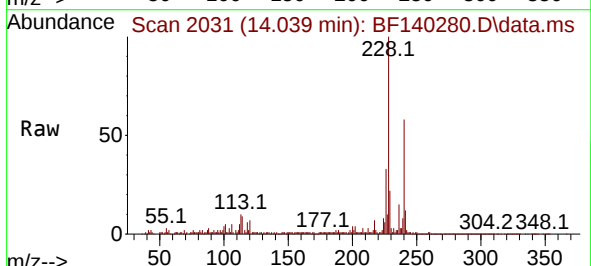
RT: 14.039 min Scan# 2031

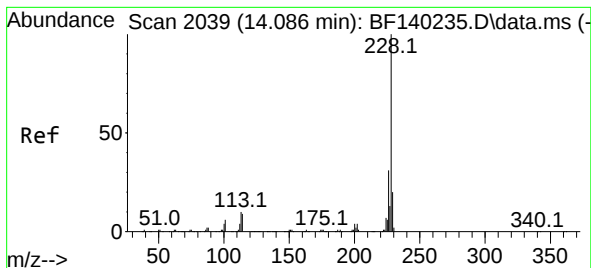
Delta R.T. -0.012 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

Tgt Ion:228 Resp: 230097
 Ion Ratio Lower Upper
 228 100
 226 33.4 22.3 33.5
 229 21.5 16.1 24.1





#83

Chrysene

Concen: 11.392 ng

RT: 14.074 min Scan# 2039

Delta R.T. -0.012 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

Instrument :

BNA_F

ClientSampleId :

WC-3(0-6)

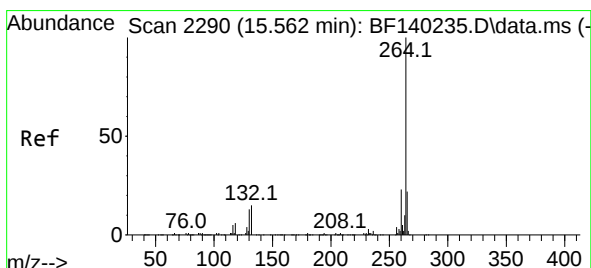
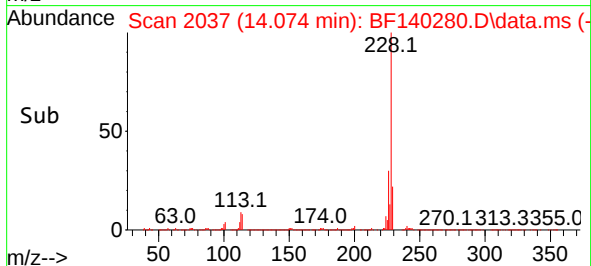
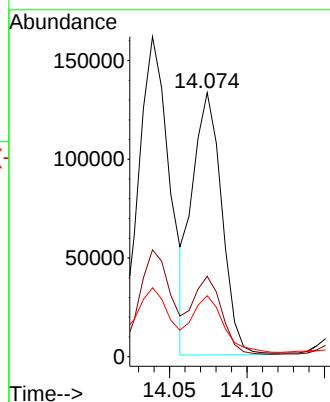
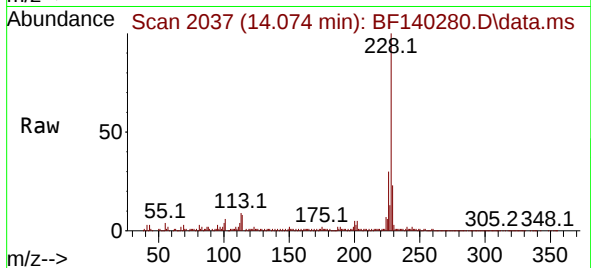
Tgt Ion:228	Resp: 17616
Ion Ratio	Lower Upper
228 100	
226 30.4	24.6 36.8
229 23.1	16.1 24.1

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Supervised By :mohammad ahmed 11/11/2024



#86

Perylene-d12

Concen: 20.000 ng

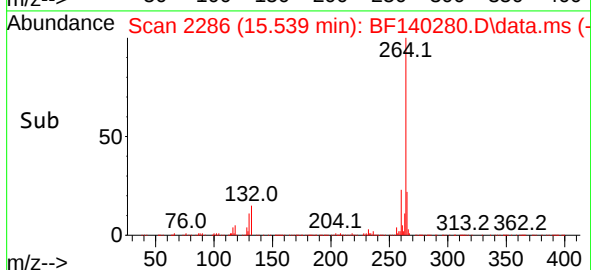
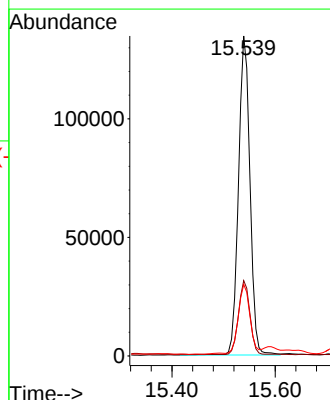
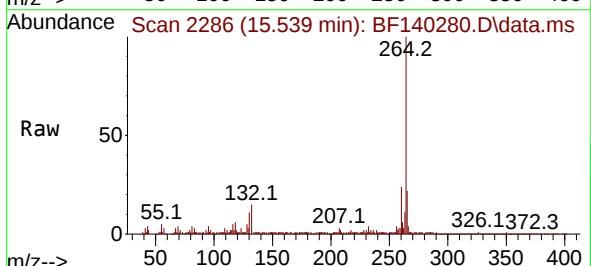
RT: 15.539 min Scan# 2286

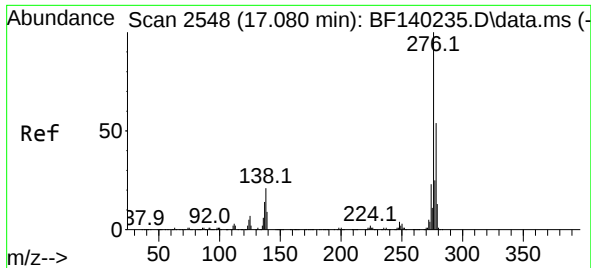
Delta R.T. -0.024 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

Tgt Ion:264	Resp: 207144		
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.8	28.2
265	22.4	17.3	25.9





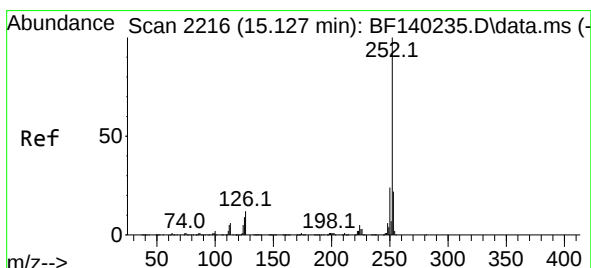
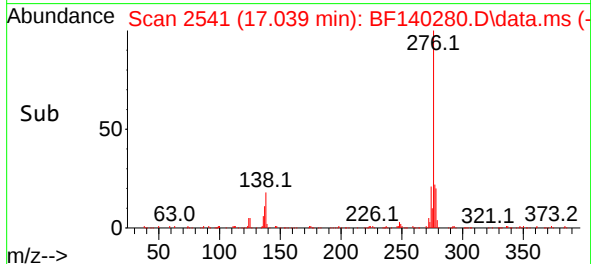
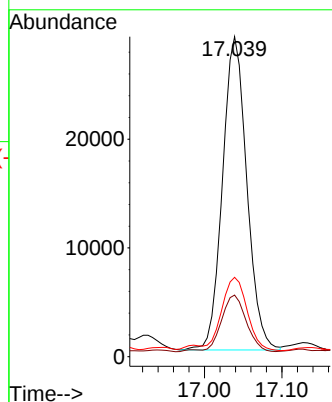
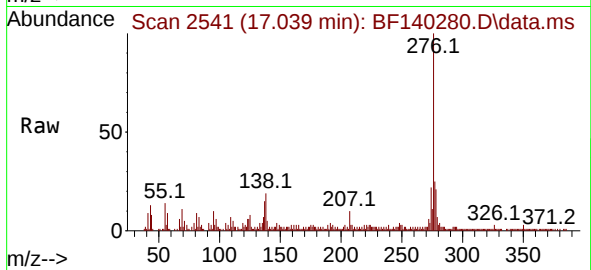
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.179 ng
RT: 17.039 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

Instrument :
BNA_F
ClientSampleId :
WC-3(0-6)

Tgt Ion:276 Resp: 6297
Ion Ratio Lower Upper
276 100
138 18.1 17.6 26.4
277 24.3 20.2 30.2

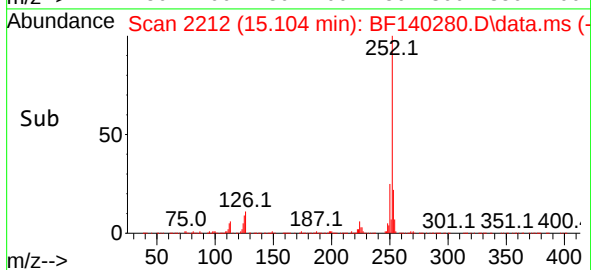
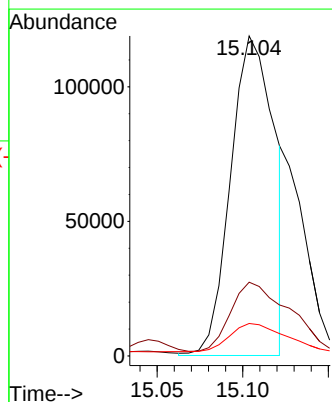
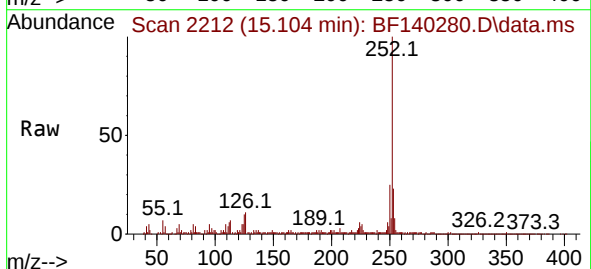
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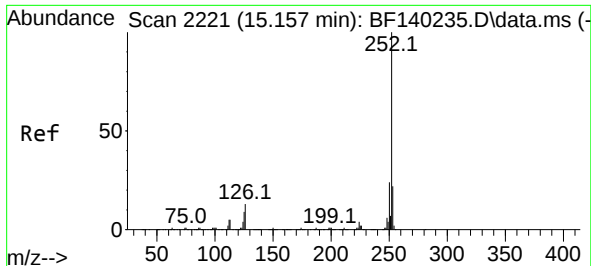
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#88
Benzo(b)fluoranthene
Concen: 16.777 ng m
RT: 15.104 min Scan# 2212
Delta R.T. -0.024 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

Tgt Ion:252 Resp: 210210
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 10.2 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 5.793 ng m

RT: 15.121 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

Instrument :

BNA_F

ClientSampleId :

WC-3(0-6)

Tgt Ion:252 Resp: 66608

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.8

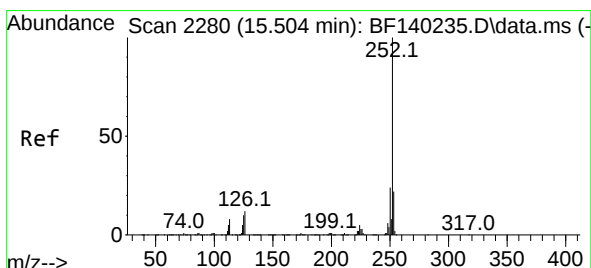
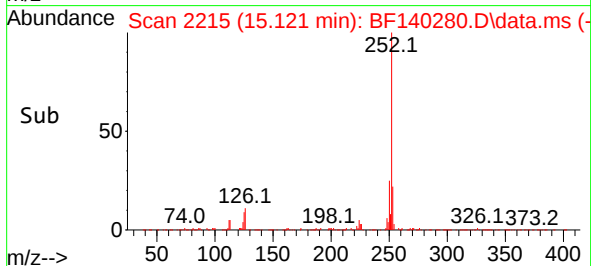
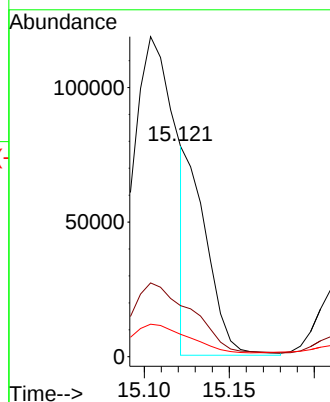
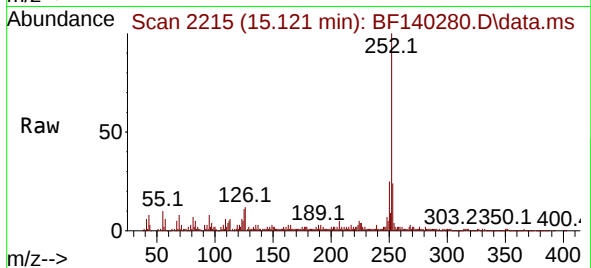
125 10.6 7.2 10.8

Manual Integrations

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Reviewed By :Yogesh Patel 11/08/2024

Supervised By :mohammad ahmed 11/11/2024



#90

Benzo(a)pyrene

Concen: 12.360 ng

RT: 15.474 min Scan# 2275

Delta R.T. -0.029 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

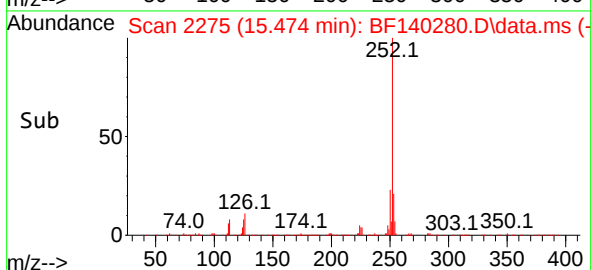
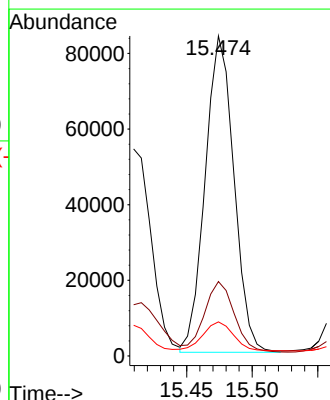
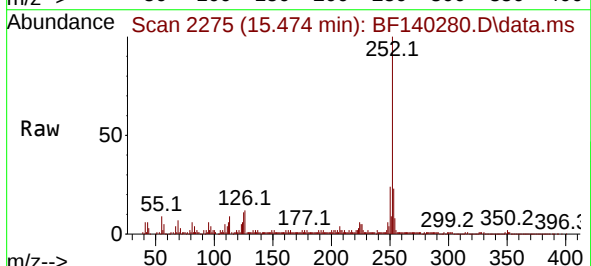
Tgt Ion:252 Resp: 127688

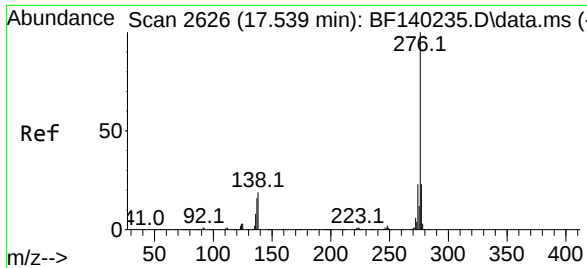
Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

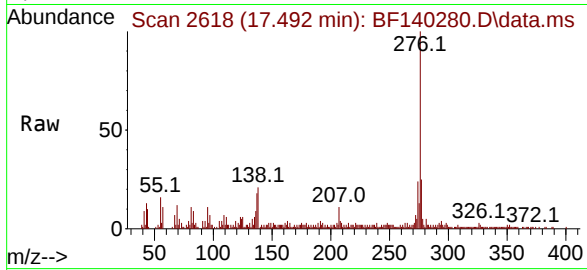
125 10.7 7.6 11.4





#92
Benzo(g,h,i)perylene
Concen: 5.442 ng
RT: 17.492 min Scan# 20
Delta R.T. -0.047 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

Instrument :
BNA_F
ClientSampleId :
WC-3(0-6)



Tgt Ion:	276	Resp:	55538
Ion Ratio	Lower	Upper	
276	100		
277	25.4	18.8	28.2
138	21.5	15.3	22.9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024

