

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140310.D
 Acq On : 08 Nov 2024 20:14
 Operator : RC/JU
 Sample : P4768-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-6-2

Quant Time: Nov 08 21:49:02 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

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							11/10/2024
1) 1,4-Dichlorobenzene-d4	6.881	152	108852	20.000	ng	0.00	Supervised By :mohammad Ahmed
21) Naphthalene-d8	8.157	136	376967	20.000	ng	0.00	
39) Acenaphthene-d10	9.916	164	191196	20.000	ng	0.00	
64) Phenanthrene-d10	11.410	188	335212	20.000	ng	0.00	
76) Chrysene-d12	14.063	240	198806	20.000	ng	0.00	
86) Perylene-d12	15.562	264	180647	20.000	ng	0.00	11/11/2024
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	519160	79.039	ng	0.00	
7) Phenol-d6	6.498	99	635694	75.243	ng	0.00	
23) Nitrobenzene-d5	7.434	82	390584	51.514	ng	-0.01	
42) 2,4,6-Tribromophenol	10.710	330	152063	80.462	ng	0.00	
45) 2-Fluorobiphenyl	9.233	172	704288	58.820	ng	0.00	
79) Terphenyl-d14	12.998	244	751380	61.912	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	8.181	128	44670	2.295	ng		98
49) Acenaphthylene	9.775	152	127679	8.670	ng		98
55) Dibenzofuran	10.122	168	60042	4.111	ng	#	94
58) Fluorene	10.463	166	77301	6.649	ng	#	97
71) Phenanthrene	11.433	178	978879	61.190	ng		99
72) Anthracene	11.486	178	304265	19.396	ng		98
73) Carbazole	11.639	167	42982	2.999	ng		98
75) Fluoranthene	12.627	202	1346105	80.472	ng		100
78) Pyrene	12.857	202	1086016	66.160	ng		98
81) Benzo(a)anthracene	14.051	228	582142	45.628	ng		95
83) Chrysene	14.086	228	411914	34.476	ng		96
87) Indeno(1,2,3-cd)pyrene	17.074	276	120151	11.331	ng		95
88) Benzo(b)fluoranthene	15.127	252	366566m	33.547	ng		
89) Benzo(k)fluoranthene	15.139	252	167585m	16.714	ng		
90) Benzo(a)pyrene	15.498	252	277704	30.825	ng		96
91) Dibenzo(a,h)anthracene	17.080	278	36020	4.129	ng	#	79
92) Benzo(g,h,i)perylene	17.533	276	95333	10.712	ng		97

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

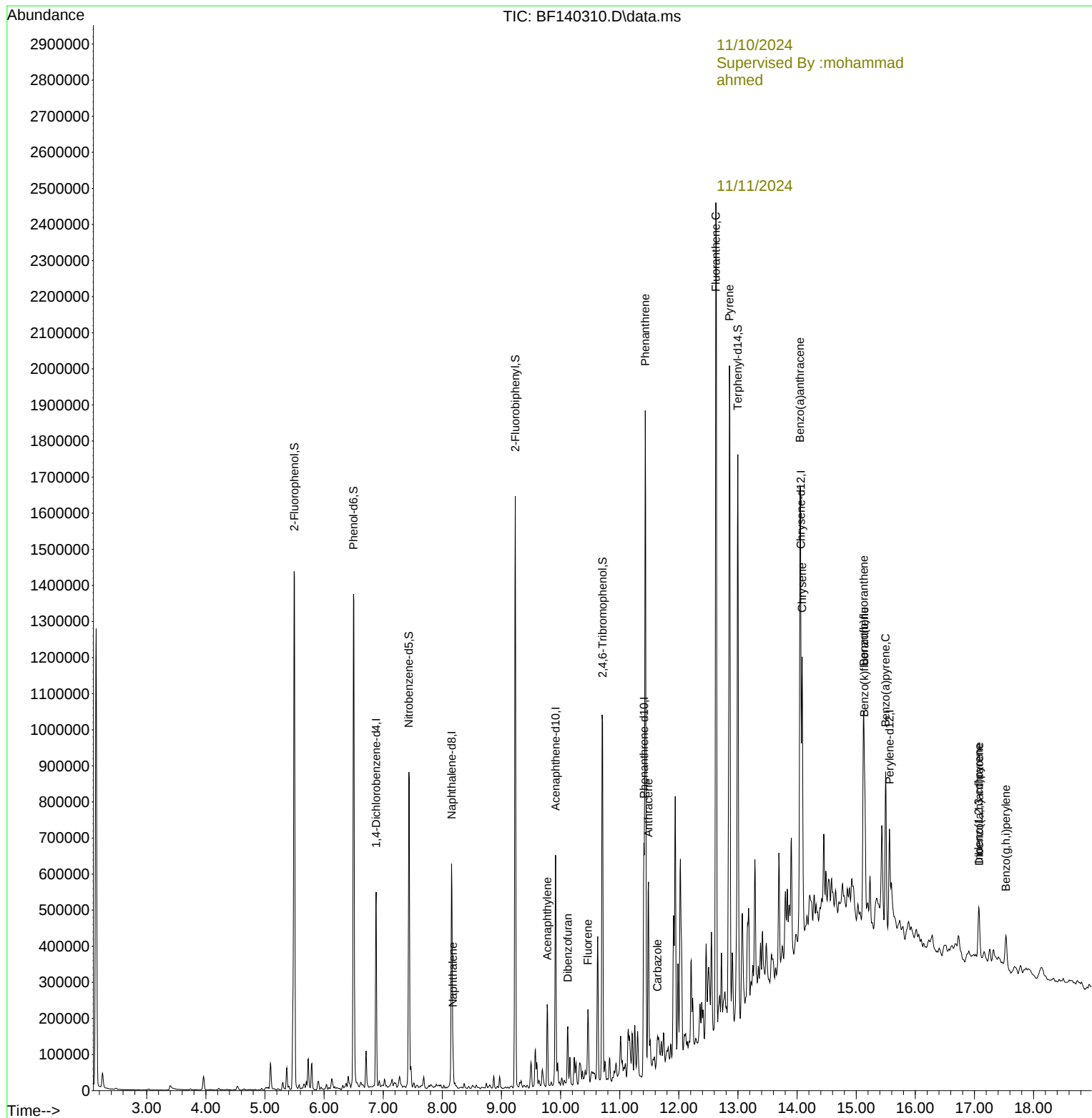
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140310.D
Acq On : 08 Nov 2024 20:14
Operator : RC/JU
Sample : P4768-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

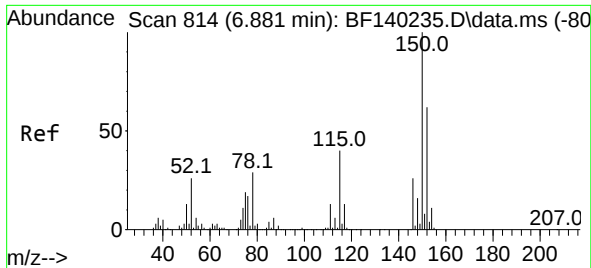
Instrument :
BNA_F
ClientSampleId :
B-6-2

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Patel

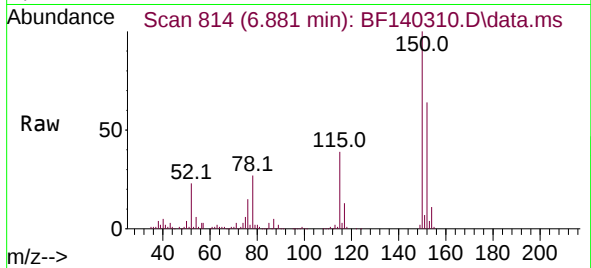
Quant Time: Nov 08 21:49:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

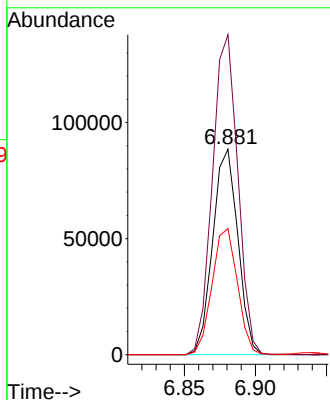
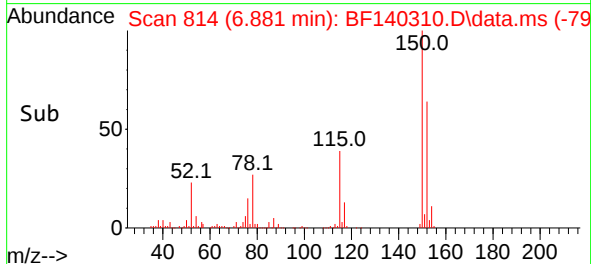
Instrument :
BNA_F
ClientSampleId :
B-6-2



Tgt Ion:152 Resp: 108852
Ion Ratio Lower Upper
152 100
150 155.8 129.4 194.2
115 61.3 51.5 77.3

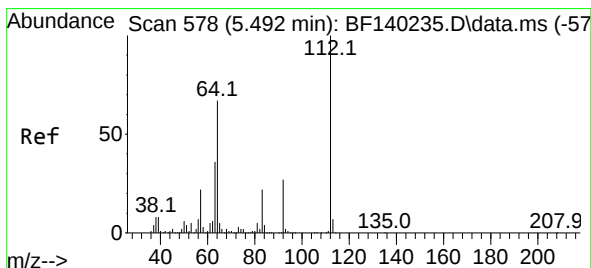
Manual Integrations
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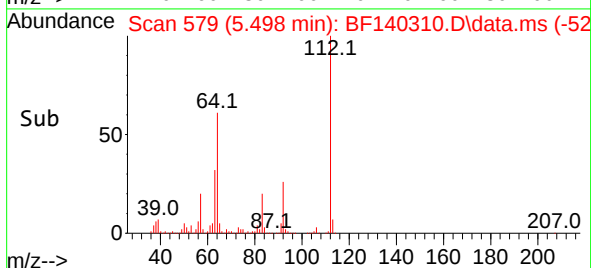
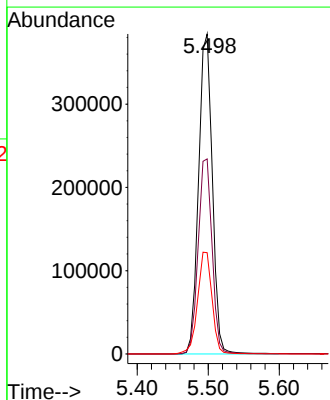
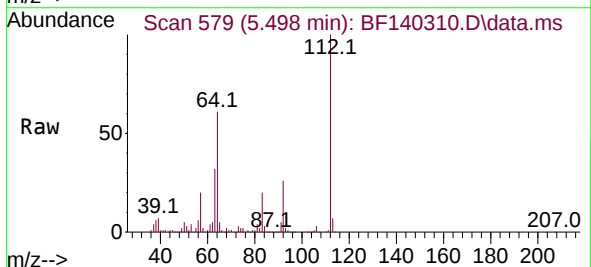
11/10/2024
Supervised By :mohammad
ahmed

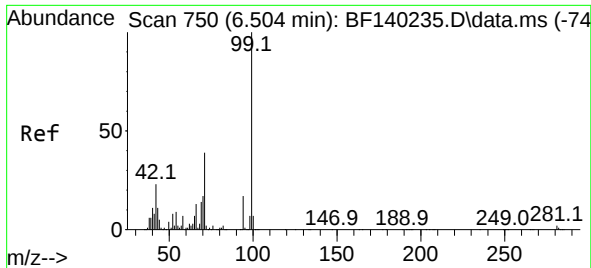
11/11/2024



#5
2-Fluorophenol
Concen: 79.039 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

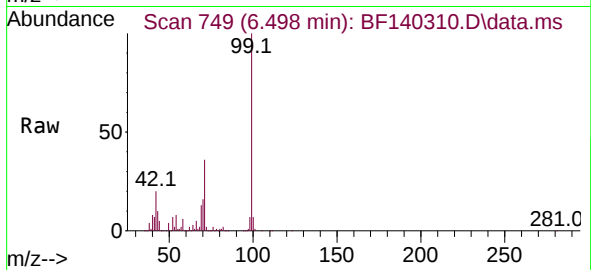
Tgt Ion:112 Resp: 519160
Ion Ratio Lower Upper
112 100
64 61.0 53.4 80.2
63 31.7 28.9 43.3





#7
Phenol-d6
Concen: 75.243 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

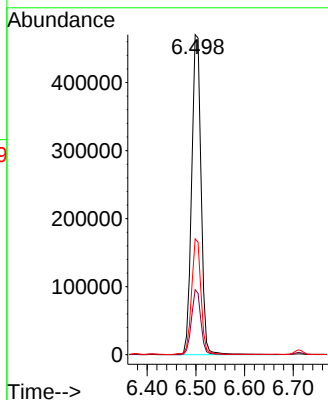
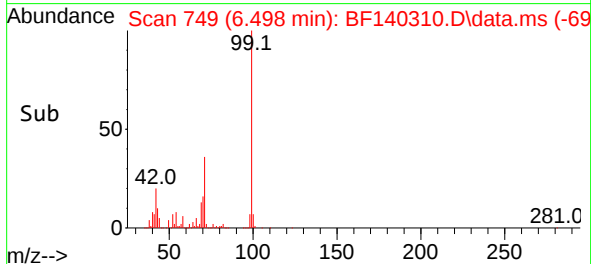
Instrument :
BNA_F
ClientSampleId :
B-6-2



Tgt Ion: 99 Resp: 635694
Ion Ratio Lower Upper
99 100
42 20.3 18.2 27.2
71 36.2 30.9 46.3

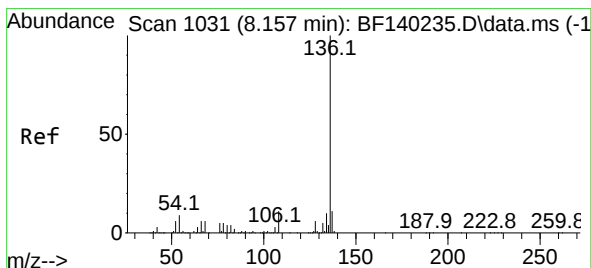
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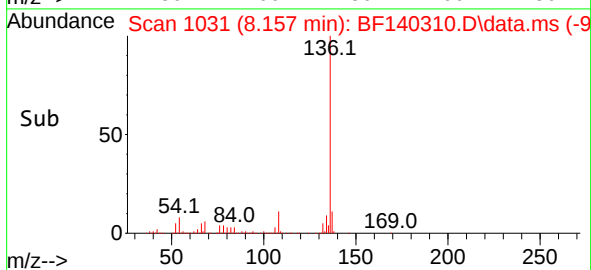
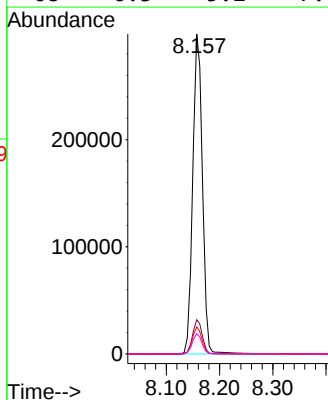
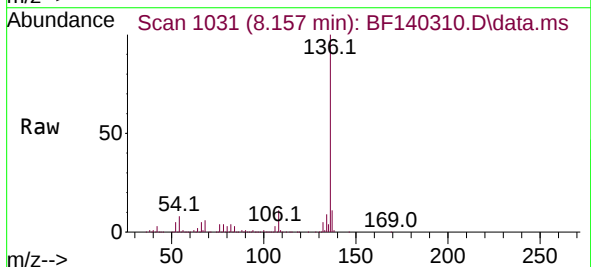
11/10/2024
Supervised By :mohammad
ahmed

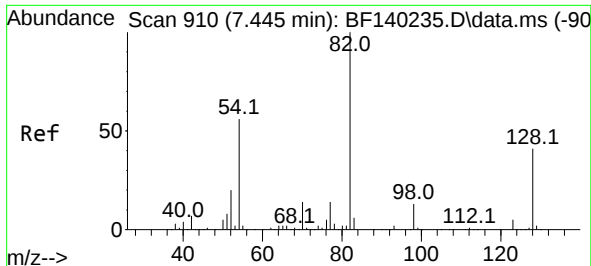
11/11/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

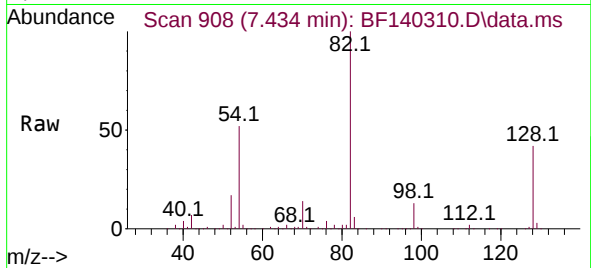
Tgt Ion:136 Resp: 376967
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 8.4 7.7 11.5
68 6.3 5.2 7.8





#23
Nitrobenzene-d5
Concen: 51.514 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

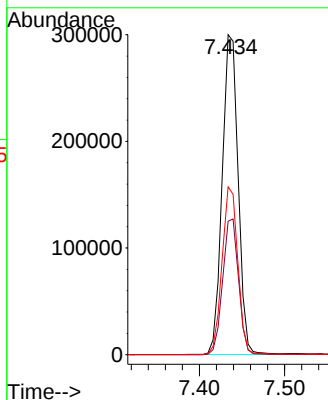
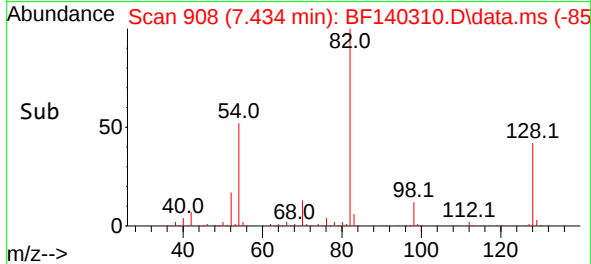
Instrument :
BNA_F
ClientSampleId :
B-6-2



Tgt Ion: 82 Resp: 390584
Ion Ratio Lower Upper
82 100
128 41.7 32.8 49.2
54 52.5 44.3 66.5

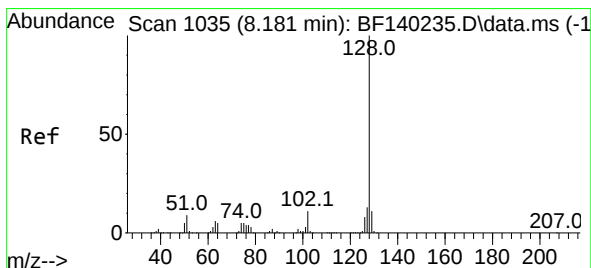
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Reviewed By :Yogesh
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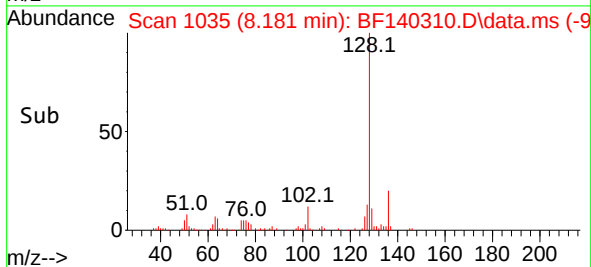
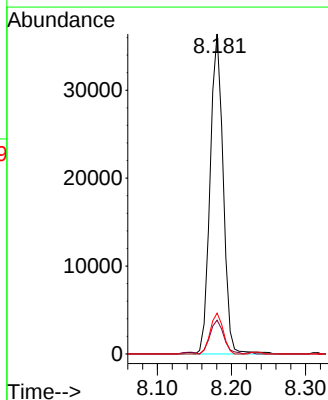
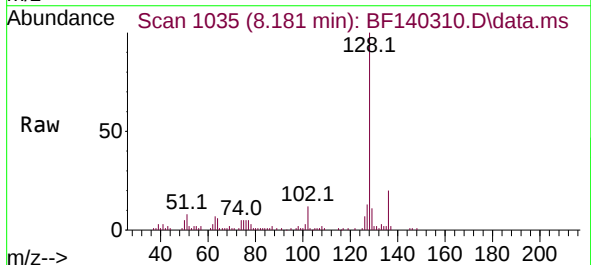
11/10/2024
Supervised By :mohammad
ahmed

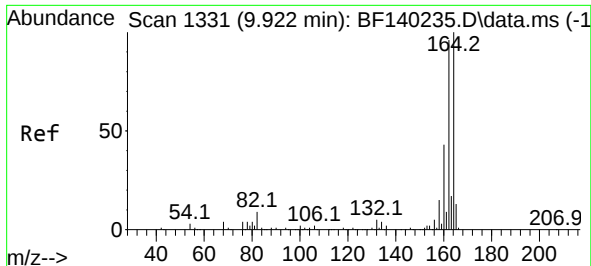
11/11/2024



#31
Naphthalene
Concen: 2.295 ng
RT: 8.181 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

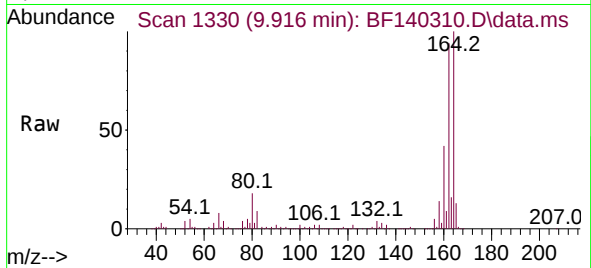
Tgt Ion:128 Resp: 44670
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.6
127 12.8 10.7 16.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

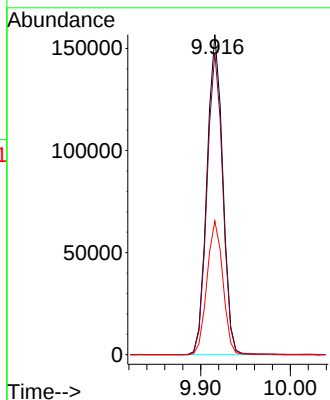
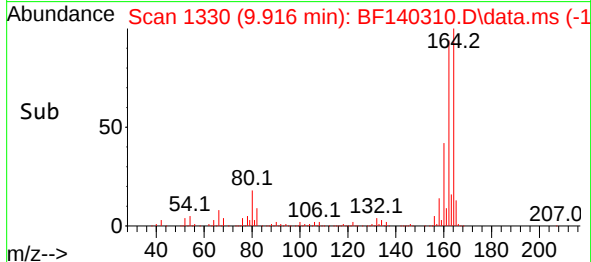
Instrument :
BNA_F
ClientSampleId :
B-6-2



Tgt Ion:164 Resp: 191190
Ion Ratio Lower Upper
164 100
162 94.4 77.0 115.4
160 41.8 34.1 51.1

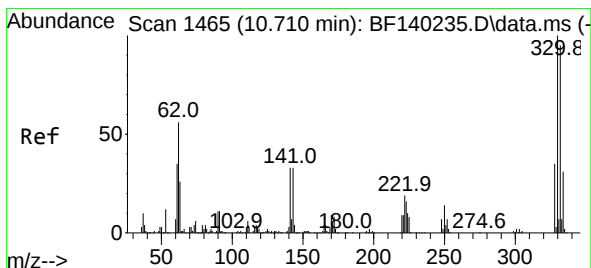
Manual Integrations
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Reviewed By :Yogesh
Patel

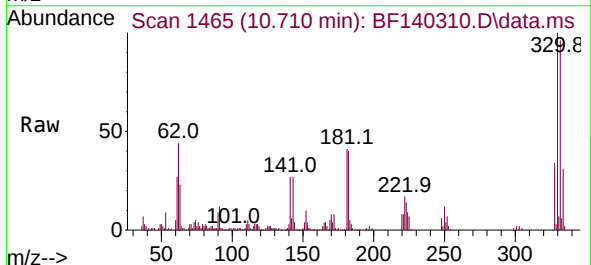


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Supervised By :mohammad
ahmed

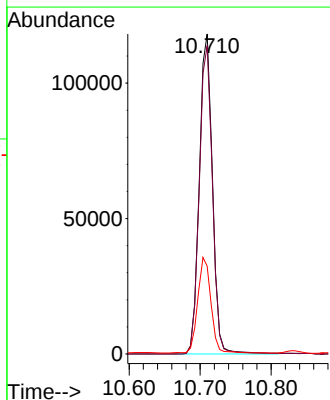
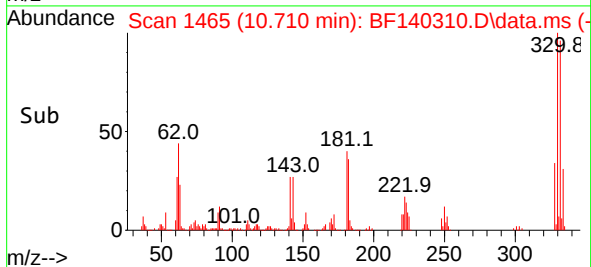
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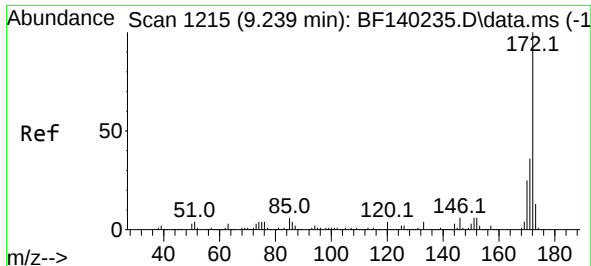


#42
2,4,6-Tribromophenol
Concen: 80.462 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14



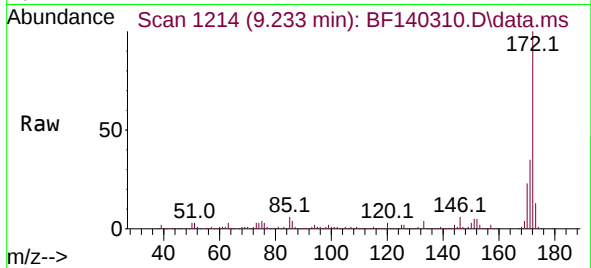
Tgt Ion:330 Resp: 152063
Ion Ratio Lower Upper
330 100
332 97.0 76.4 114.6
141 30.1 27.0 40.4





#45
2-Fluorobiphenyl
Concen: 58.820 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

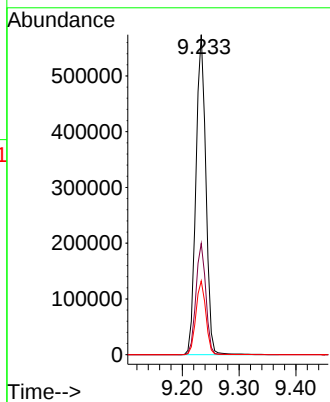
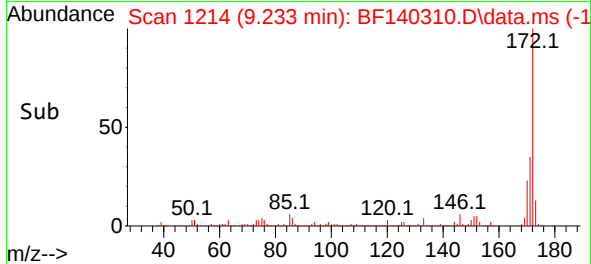
Instrument :
BNA_F
ClientSampleId :
B-6-2



Tgt Ion:172 Resp: 70428
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 23.1 19.6 29.4

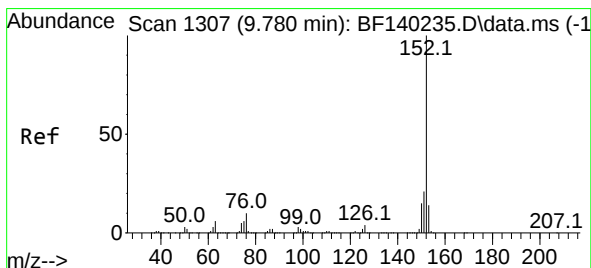
Manual Integrations
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Patel



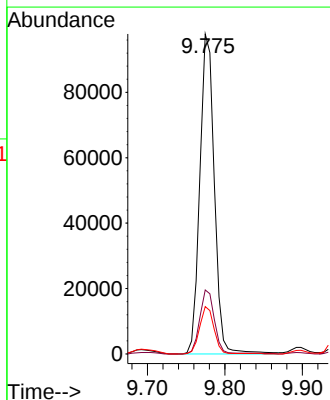
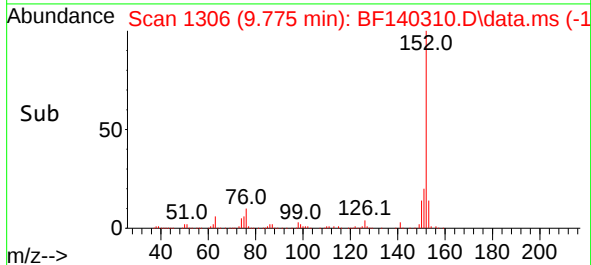
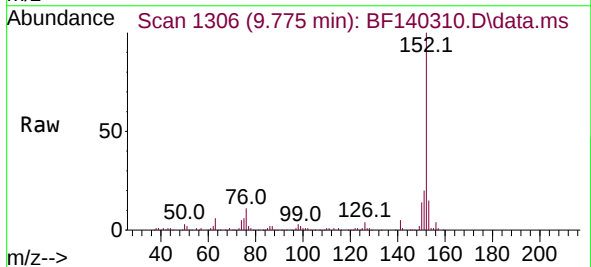
11/10/2024
Supervised By :mohammad
ahmed

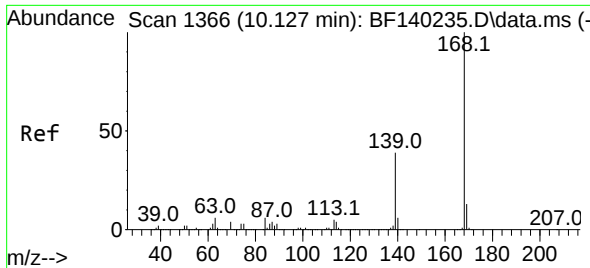
11/11/2024



#49
Acenaphthylene
Concen: 8.670 ng
RT: 9.775 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

Tgt Ion:152 Resp: 127679
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 14.8 11.1 16.7





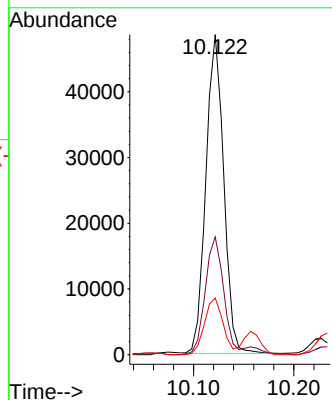
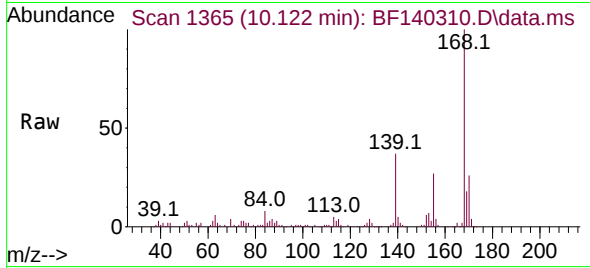
#55
Dibenzenofuran
Concen: 4.111 ng
RT: 10.122 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

Instrument :
BNA_F
ClientSampleId :
B-6-2

Tgt Ion:168 Resp: 6004
Ion Ratio Lower Upper
168 100
139 36.8 31.5 47.3
169 17.7 10.6 15.8

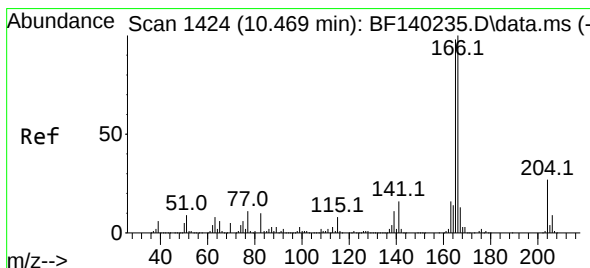
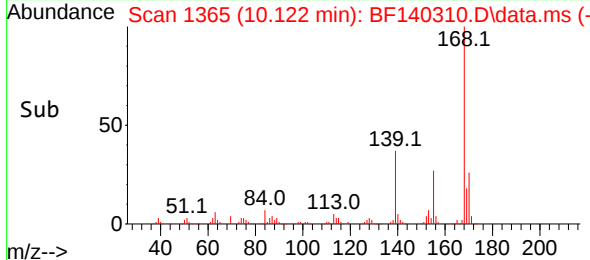
Manual Integrations
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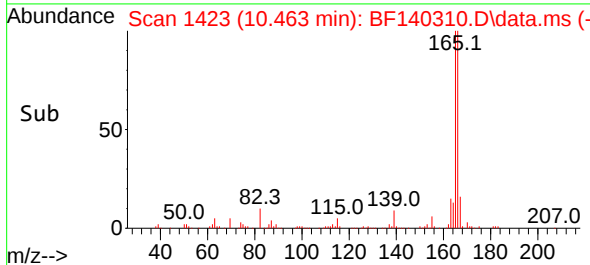
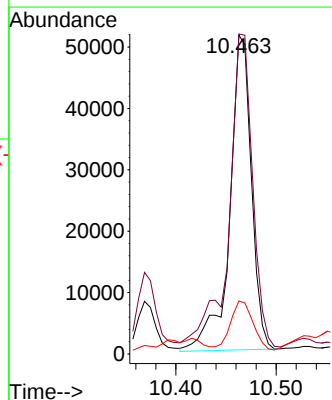
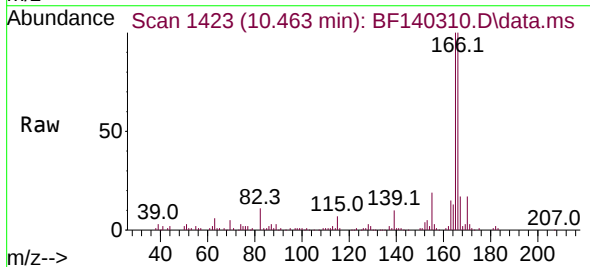
11/10/2024
Supervised By :mohammad
ahmed

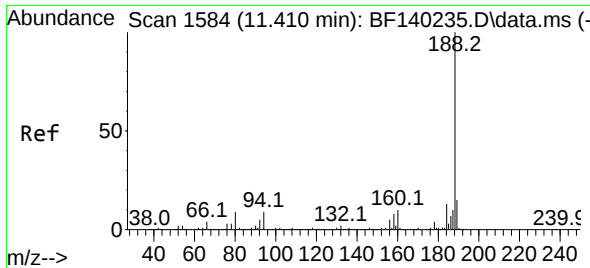
11/11/2024



#58
Fluorene
Concen: 6.649 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

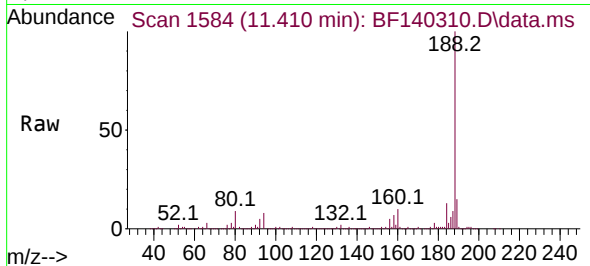
Tgt Ion:166 Resp: 77301
Ion Ratio Lower Upper
166 100
165 100.4 78.7 118.1
167 16.6 10.8 16.2#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

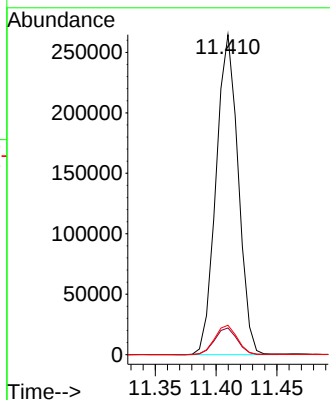
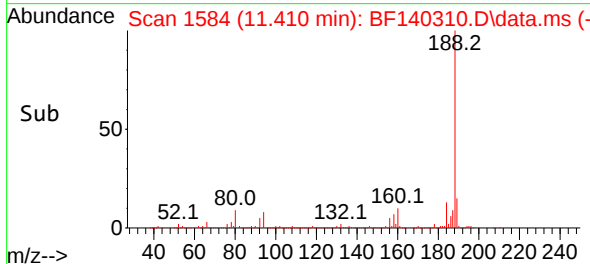
Instrument :
BNA_F
ClientSampleId :
B-6-2



Tgt Ion:188 Resp: 33521
Ion Ratio Lower Upper
188 100
94 8.4 6.9 10.3
80 9.2 7.5 11.3

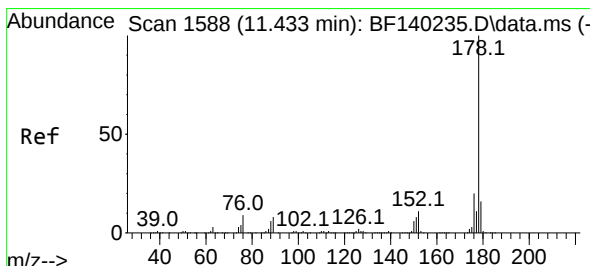
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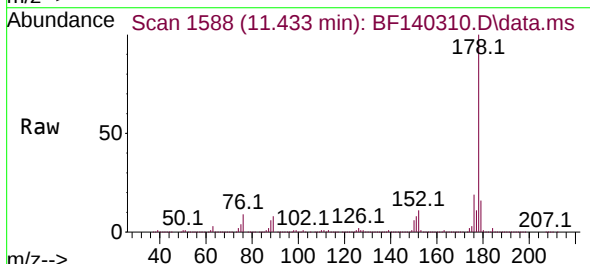


11/10/2024
Supervised By :mohammad
ahmed

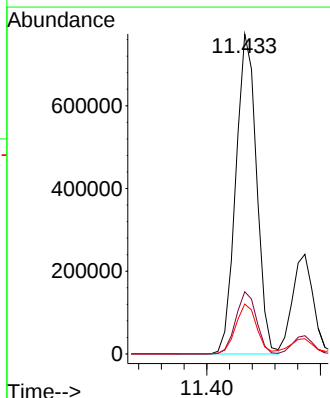
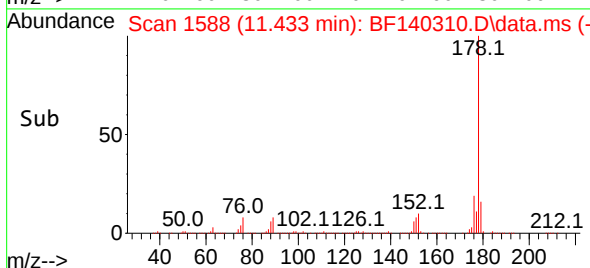
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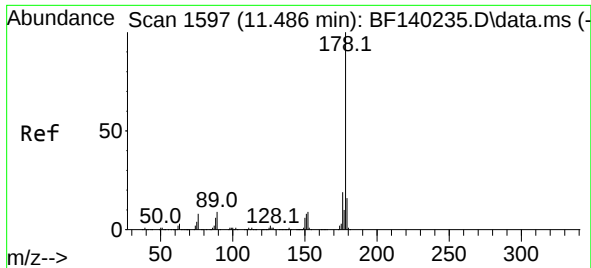


#71
Phenanthrene
Concen: 61.190 ng
RT: 11.433 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14



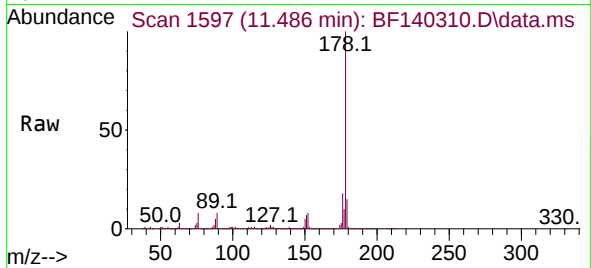
Tgt Ion:178 Resp: 978879
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.6 12.6 18.8





#72
 Anthracene
 Concen: 19.396 ng
 RT: 11.486 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF140310.D
 Acq: 08 Nov 2024 20:14

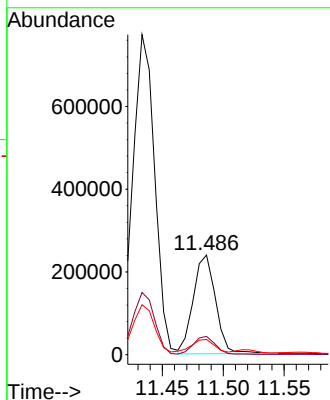
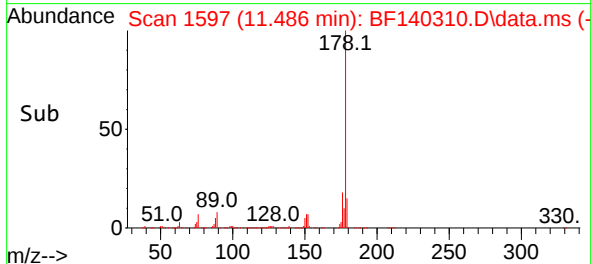
Instrument :
 BNA_F
 ClientSampleId :
 B-6-2



Tgt Ion:178 Resp: 30426
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.0
 179 15.3 12.7 19.1

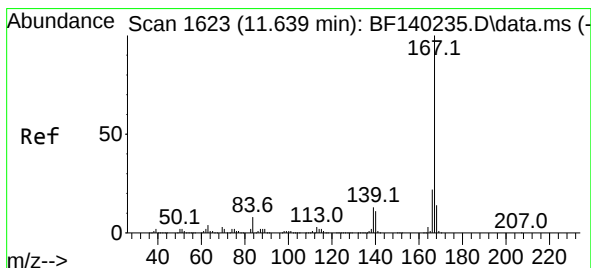
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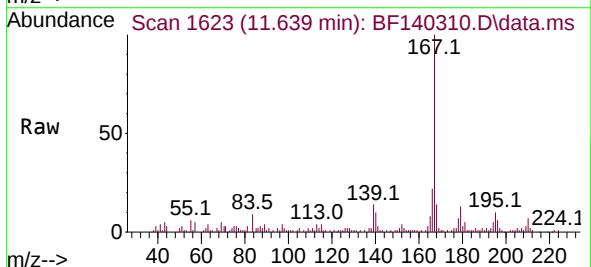


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 ahmed

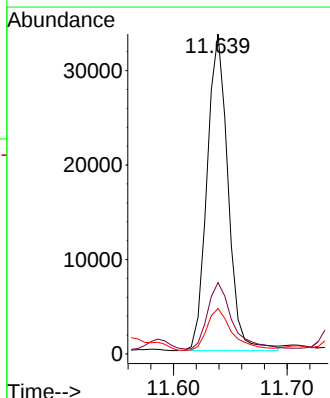
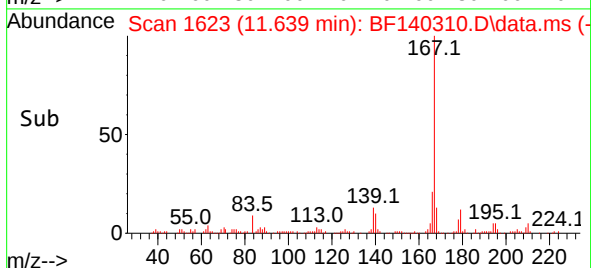
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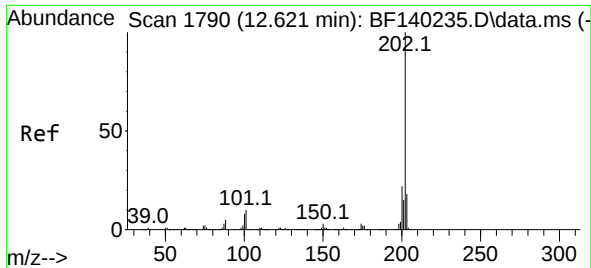


#73
 Carbazole
 Concen: 2.999 ng
 RT: 11.639 min Scan# 1623
 Delta R.T. 0.000 min
 Lab File: BF140310.D
 Acq: 08 Nov 2024 20:14



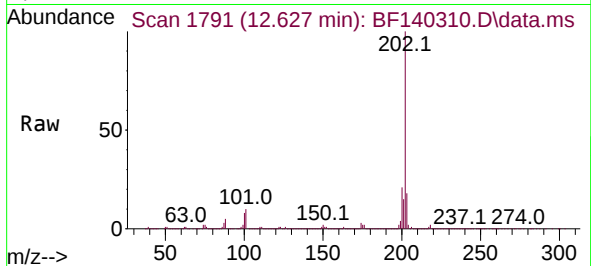
Tgt Ion:167 Resp: 42982
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.3 25.9
 139 14.2 10.7 16.1





#75
Fluoranthene
Concen: 80.472 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.006 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

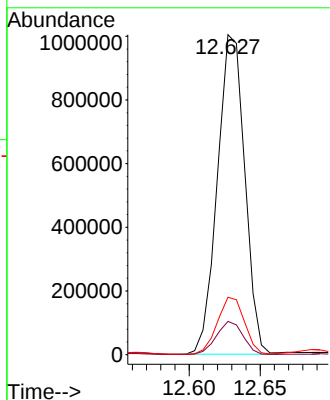
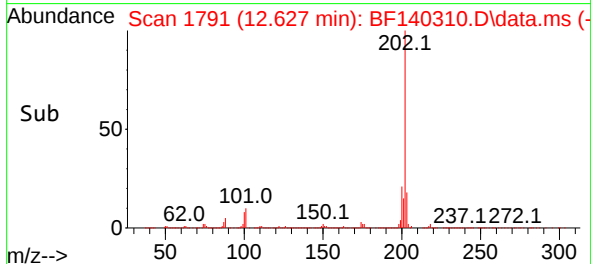
Instrument :
BNA_F
ClientSampleId :
B-6-2



Tgt Ion:202 Resp: 134610
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.4
203 18.0 0.0 38.0

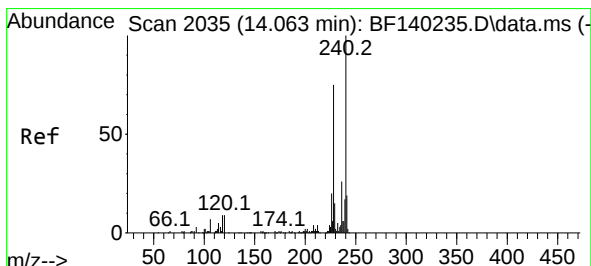
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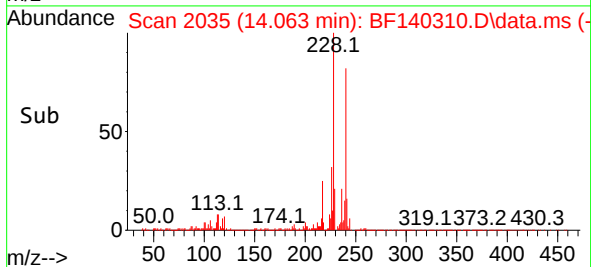
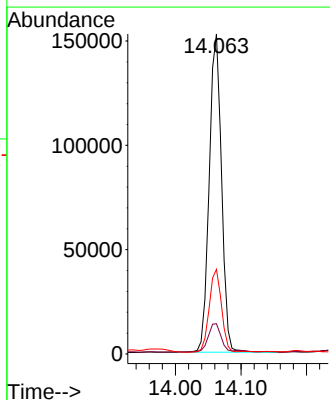
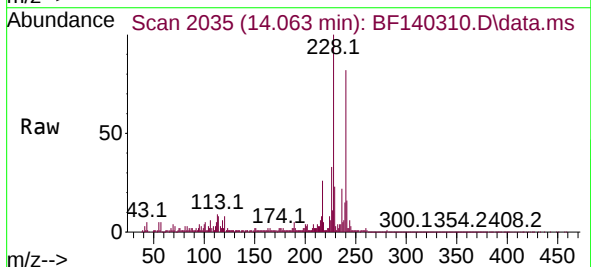
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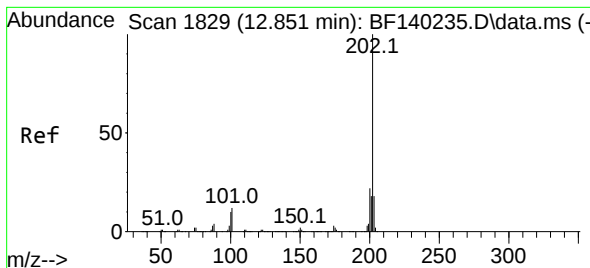
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

Tgt Ion:240 Resp: 198806
Ion Ratio Lower Upper
240 100
120 9.5 7.5 11.3
236 26.4 20.9 31.3





#78

Pyrene

Concen: 66.160 ng

RT: 12.857 min Scan# 1829

Delta R.T. 0.006 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

Instrument :

BNA_F

ClientSampleId :

B-6-2

Tgt Ion:202 Resp: 1086010

Ion Ratio Lower Upper

202 100

200 21.6 17.5 26.3

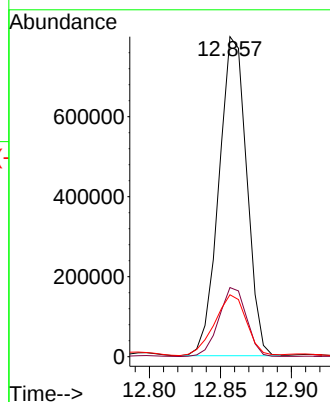
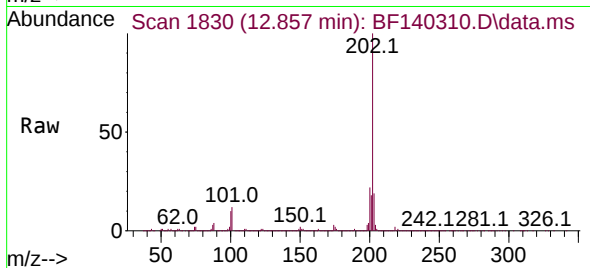
203 19.4 14.4 21.6

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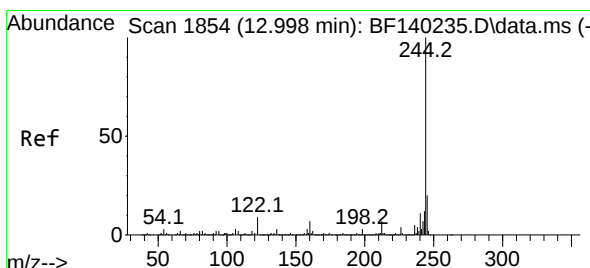
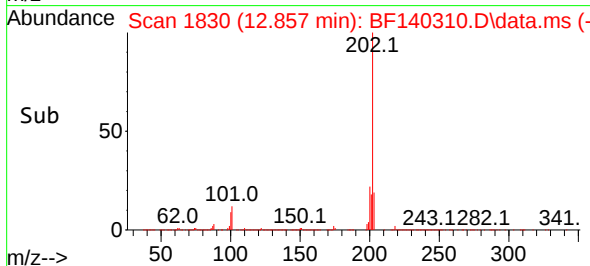
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#79

Terphenyl-d14

Concen: 61.912 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

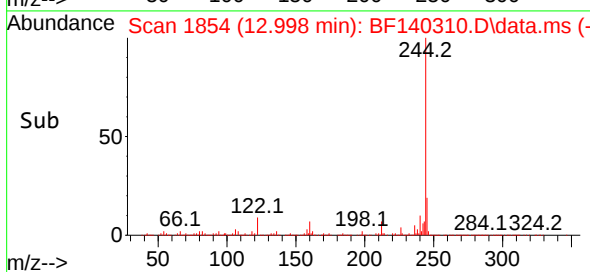
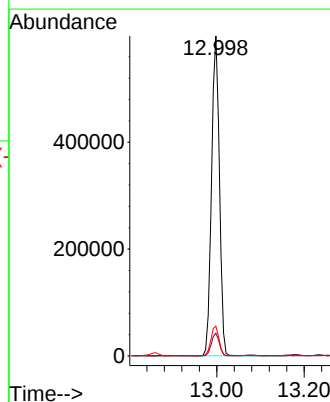
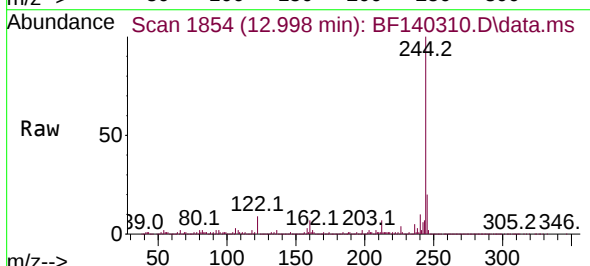
Tgt Ion:244 Resp: 751380

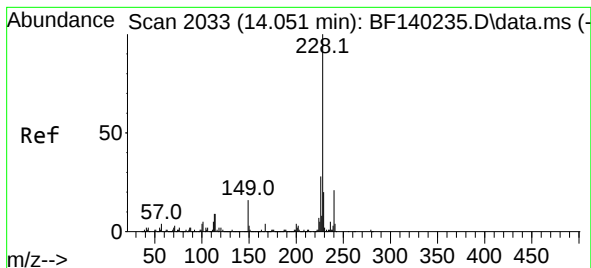
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

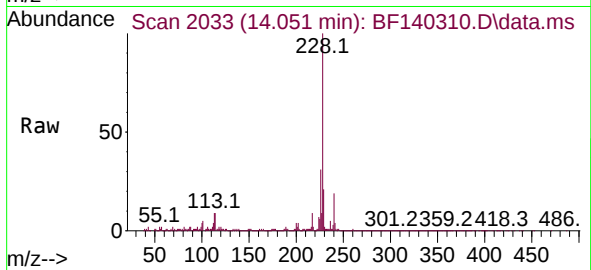
122 9.3 7.6 11.4





#81
Benzo(a)anthracene
Concen: 45.628 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

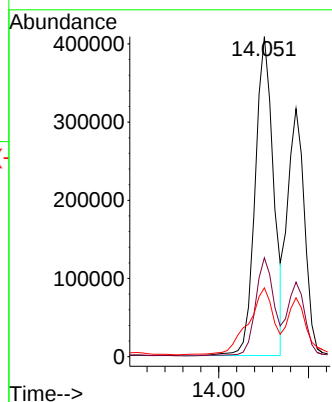
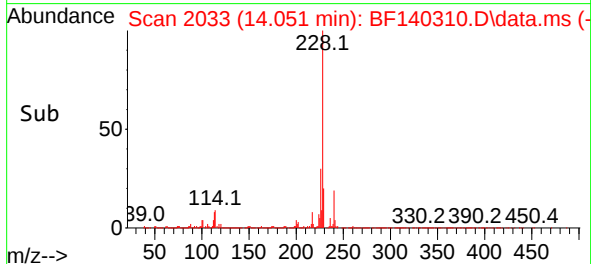
Instrument :
BNA_F
ClientSampleId :
B-6-2



Tgt Ion:228 Resp: 58214
Ion Ratio Lower Upper
228 100
226 30.9 22.3 33.5
229 21.5 16.1 24.1

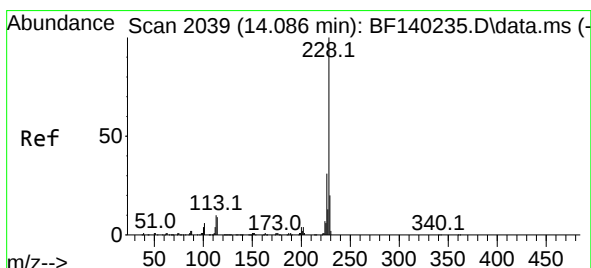
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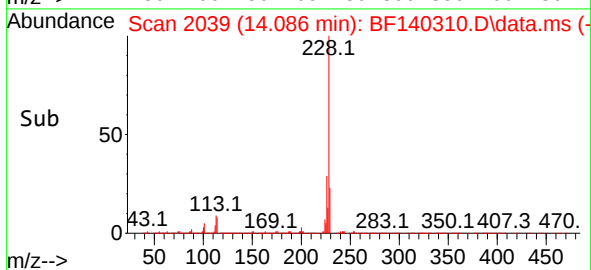
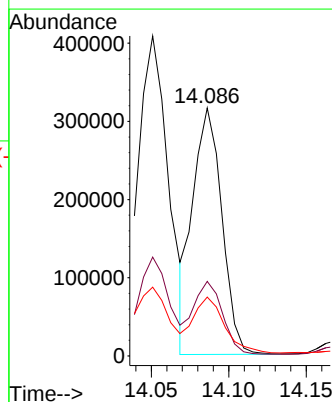
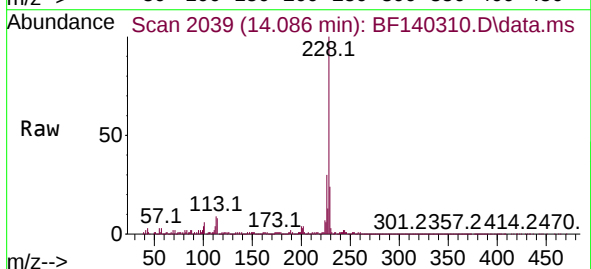
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Supervised By :mohammad
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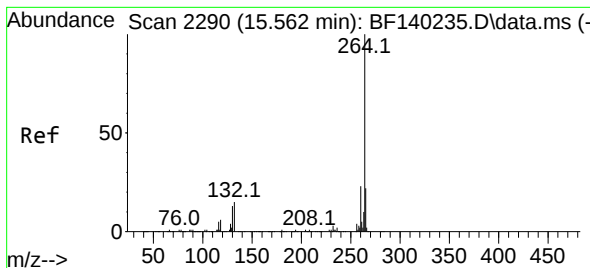
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#83
Chrysene
Concen: 34.476 ng
RT: 14.086 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

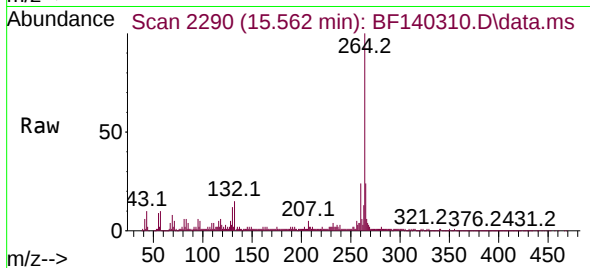
Tgt Ion:228 Resp: 411914
Ion Ratio Lower Upper
228 100
226 30.1 24.6 36.8
229 23.7 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

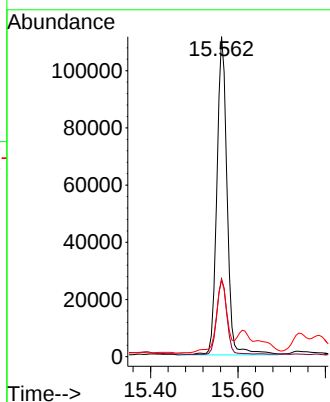
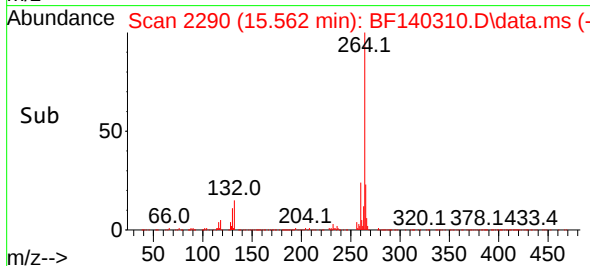
Instrument :
BNA_F
ClientSampleId :
B-6-2



Tgt Ion:264 Resp: 18064
Ion Ratio Lower Upper
264 100
260 24.4 18.8 28.2
265 23.9 17.3 25.9

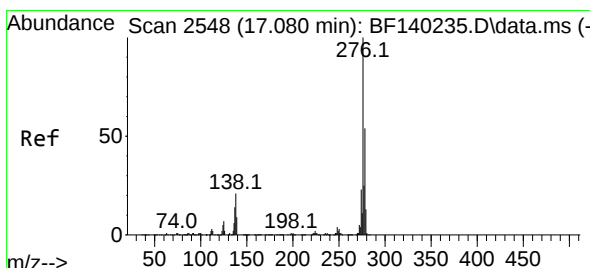
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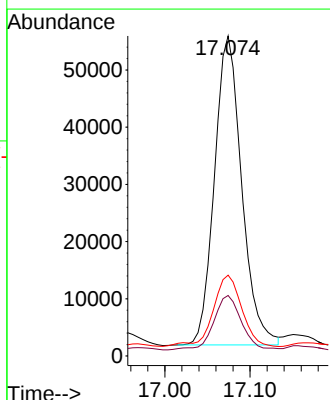
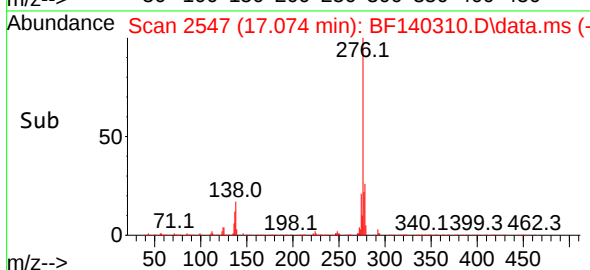
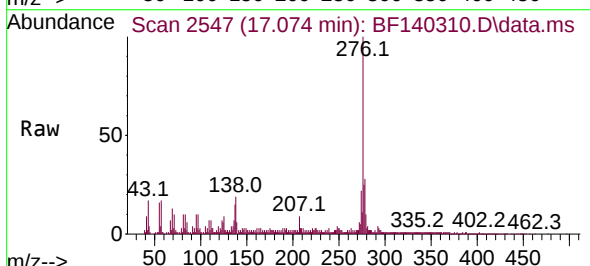
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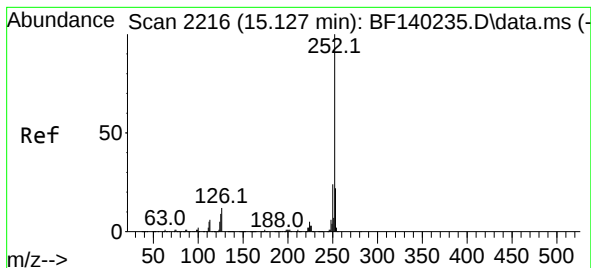
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#87
Indeno(1,2,3-cd)pyrene
Concen: 11.331 ng
RT: 17.074 min Scan# 2547
Delta R.T. -0.006 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

Tgt Ion:276 Resp: 120151
Ion Ratio Lower Upper
276 100
138 17.9 17.6 26.4
277 24.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 33.547 ng m

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

Instrument :

BNF

ClientSampleId :

B-6-2

Tgt Ion:252 Resp: 366560

Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

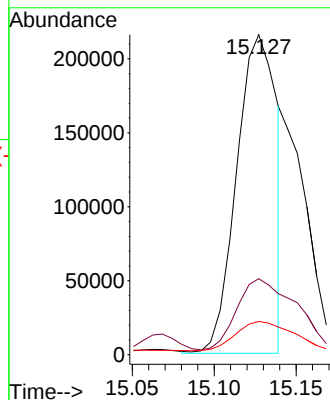
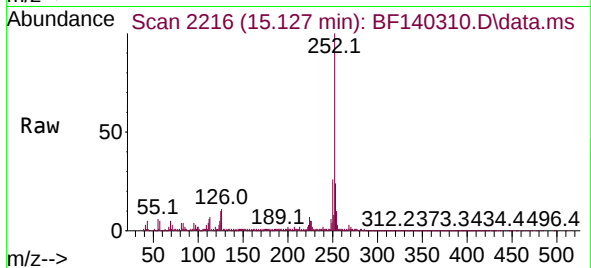
125 10.4 7.0 10.6

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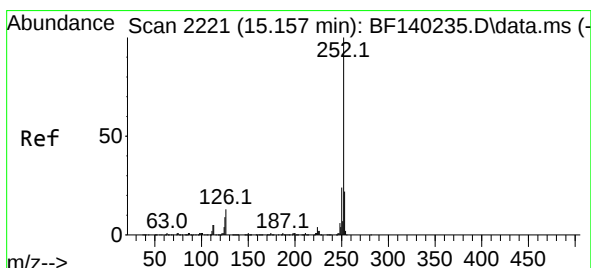
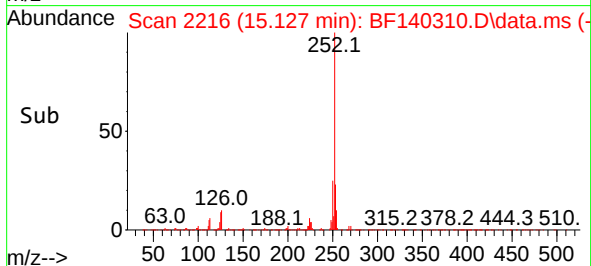
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#89

Benzo(k)fluoranthene

Concen: 16.714 ng m

RT: 15.139 min Scan# 2218

Delta R.T. -0.018 min

Lab File: BF140310.D

Acq: 08 Nov 2024 20:14

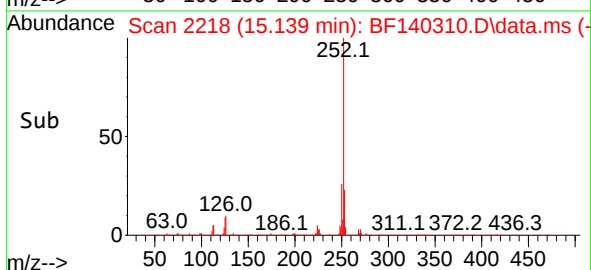
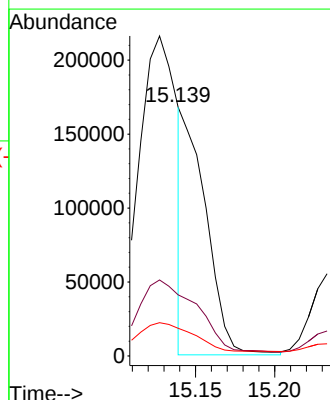
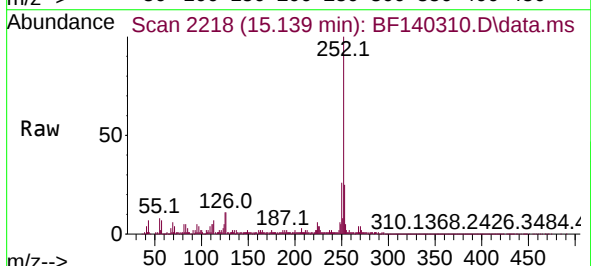
Tgt Ion:252 Resp: 167585

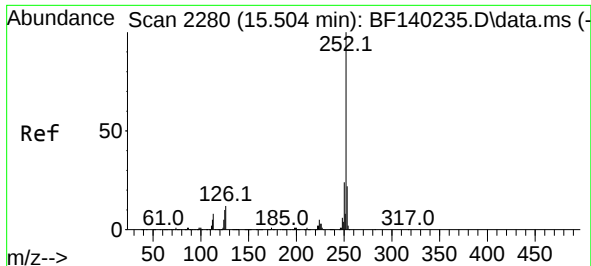
Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.8

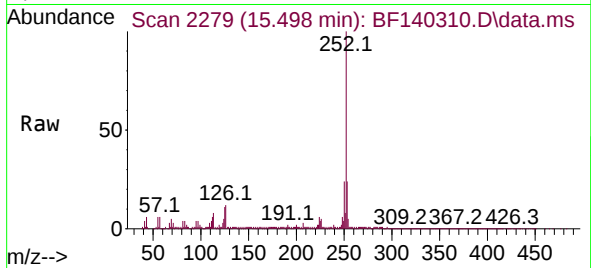
125 11.2 7.2 10.8#





#90
Benzo(a)pyrene
Concen: 30.825 ng
RT: 15.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

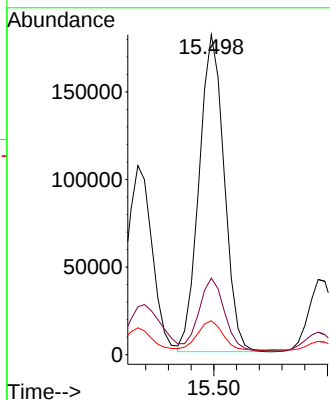
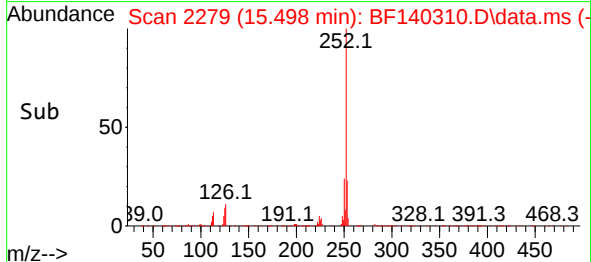
Instrument :
BNA_F
ClientSampleId :
B-6-2



Tgt Ion:252 Resp: 277704
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 10.6 7.6 11.4

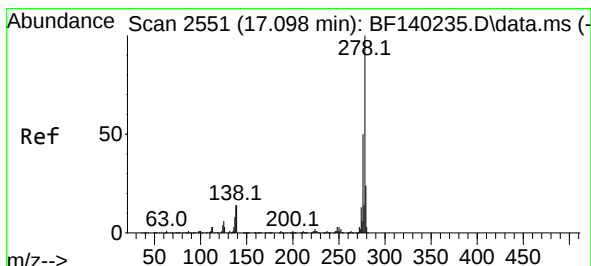
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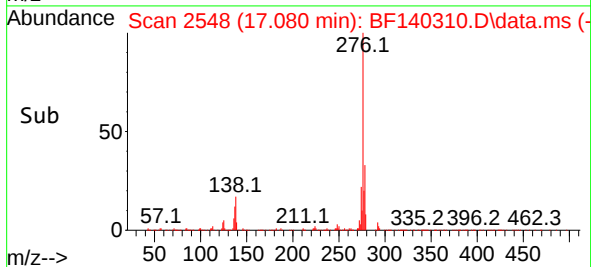
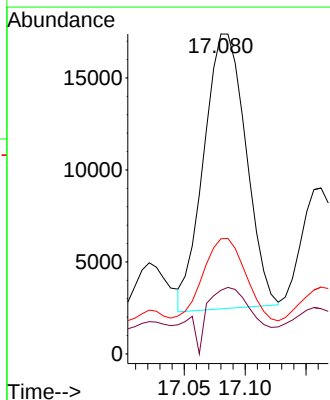
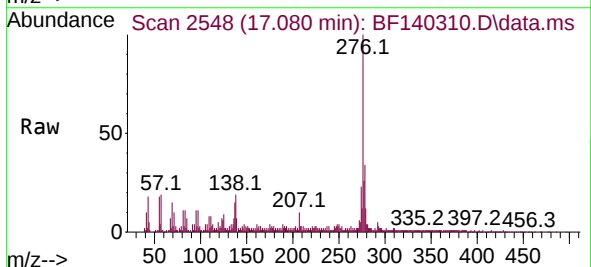
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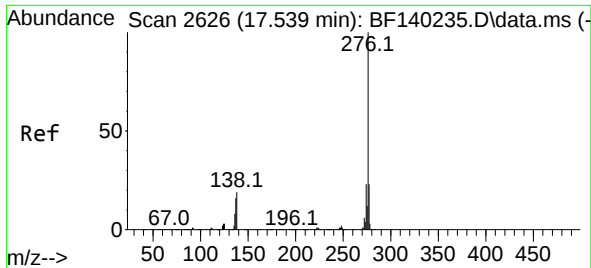
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#91
Dibenzo(a,h)anthracene
Concen: 4.129 ng
RT: 17.080 min Scan# 2548
Delta R.T. -0.018 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

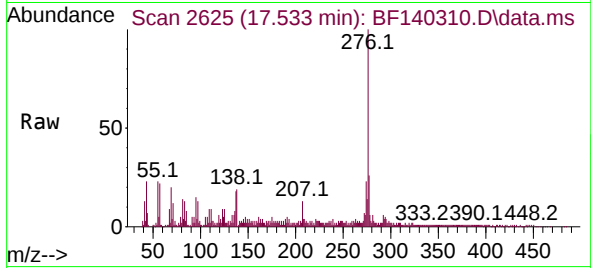
Tgt Ion:278 Resp: 36020
Ion Ratio Lower Upper
278 100
139 19.9 11.1 16.7#
279 36.0 19.1 28.7#





#92
Benzo(g,h,i)perylene
Concen: 10.712 ng
RT: 17.533 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF140310.D
Acq: 08 Nov 2024 20:14

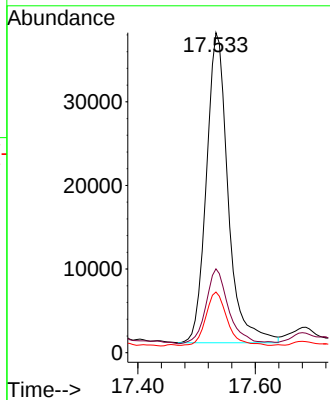
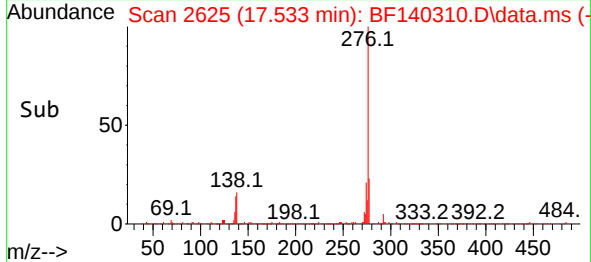
Instrument :
BNA_F
ClientSampleId :
B-6-2



Tgt Ion: 276 Resp: 9533
Ion Ratio Lower Upper
276 100
277 26.2 18.8 28.2
138 19.0 15.3 22.9

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Supervised By :mohammad
ahmed

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