

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061423\
 Data File : BF133751.D
 Acq On : 14 Jun 2023 15:03
 Operator : CG\JU
 Sample : 03138-01DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

Quant Time: Jun 14 15:23:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 13 11:26:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	111030	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	397880	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	185150	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	280502	20.000	ng	#-0.01
76) Chrysene-d12	14.004	240	211200	20.000	ng	-0.01
86) Perylene-d12	15.468	264	257359	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	53222	8.345	ng	-0.01
7) Phenol-d6	6.451	99	63314	7.627	ng	-0.02
23) Nitrobenzene-d5	7.386	82	39683	5.432	ng	-0.02
42) 2,4,6-Tribromophenol	10.657	330	13732	5.859	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	80796	6.203	ng	-0.01
79) Terphenyl-d14	12.945	244	58248	4.268	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	8.133	128	53591	2.765	ng	99
52) Acenaphthene	9.898	154	53204	4.875	ng	97
55) Dibenzofuran	10.075	168	38503	2.312	ng	97
58) Fluorene	10.416	166	38634	3.034	ng	99
71) Phenanthrene	11.386	178	679506	47.747	ng	99
72) Anthracene	11.433	178	125590	8.464	ng	99
73) Carbazole	11.586	167	56187	4.066	ng	# 95
75) Fluoranthene	12.580	202	930730	61.586	ng	100
78) Pyrene	12.810	202	787003	40.002	ng	99
81) Benzo(a)anthracene	13.992	228	442931	30.319	ng	97
83) Chrysene	14.033	228	394997	28.587	ng	97
87) Indeno(1,2,3-cd)pyrene	16.921	276	153270	8.657	ng	97
88) Benzo(b)fluoranthene	15.045	252	471716m	30.173	ng	
89) Benzo(k)fluoranthene	15.068	252	173520m	11.394	ng	
90) Benzo(a)pyrene	15.404	252	300662	20.722	ng	98
91) Dibenzo(a,h)anthracene	16.927	278	40490m	2.762	ng	
92) Benzo(g,h,i)perylene	17.362	276	124159	8.543	ng	98

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

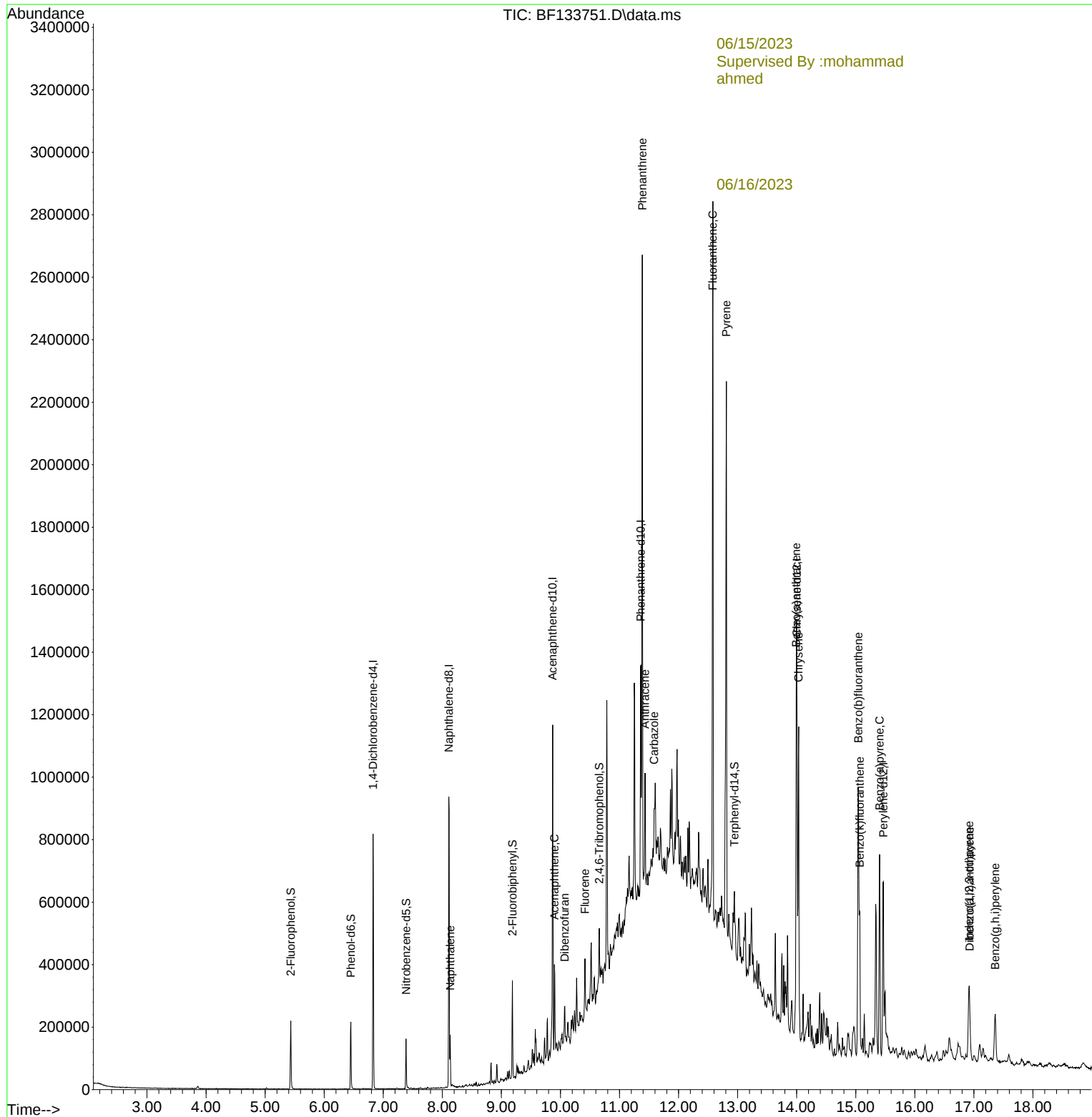
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061423\
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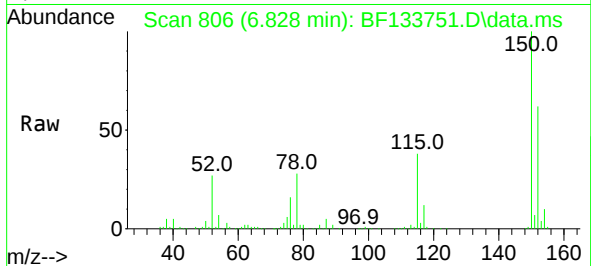
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Patel





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

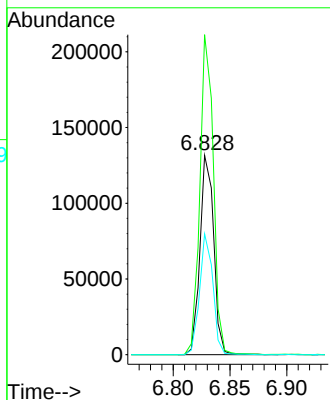
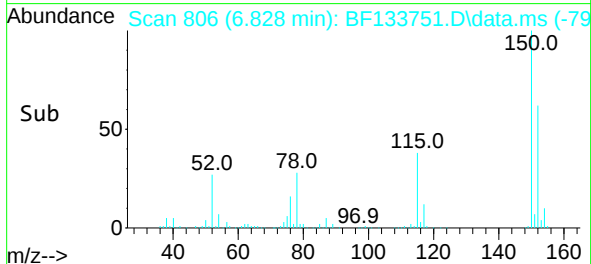
Instrument :
BNA_F
ClientSampleId :
WC-1DL



Tgt Ion:152 Resp: 111030
Ion Ratio Lower Upper
152 100
150 160.4 124.3 186.5
115 60.6 48.5 72.7

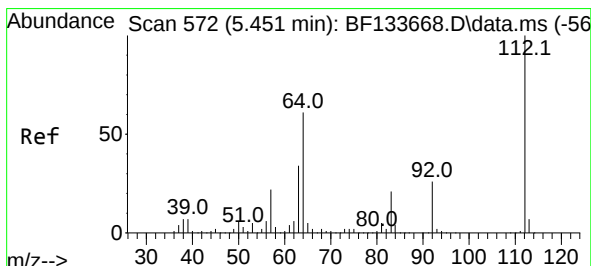
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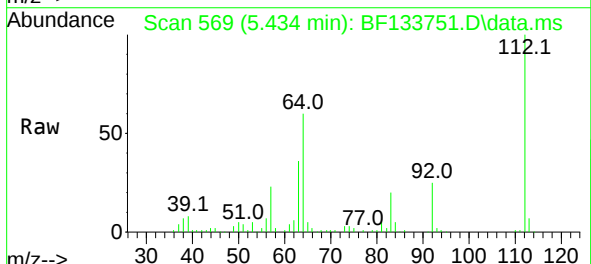


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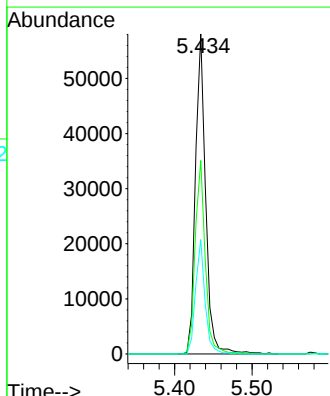
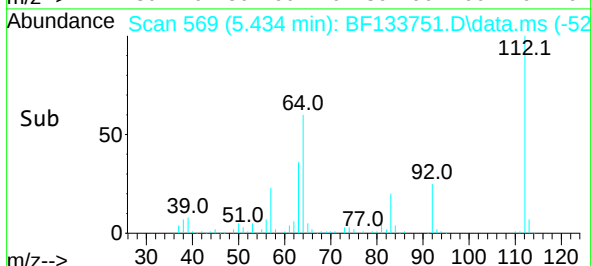
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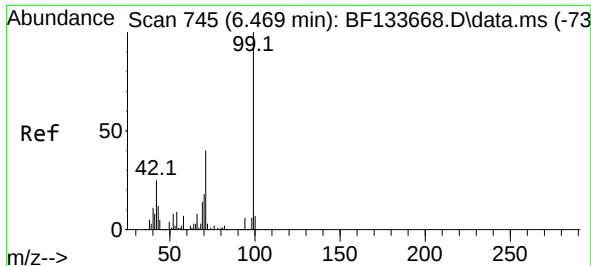


#5
2-Fluorophenol
Concen: 8.345 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.012 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03



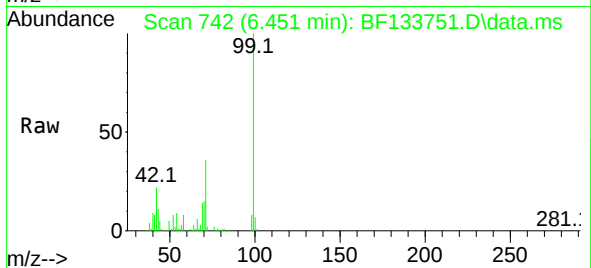
Tgt Ion:112 Resp: 53222
Ion Ratio Lower Upper
112 100
64 60.5 49.0 73.4
63 35.7 26.8 40.2





#7
Phenol-d6
Concen: 7.627 ng
RT: 6.451 min Scan# 745
Delta R.T. -0.018 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

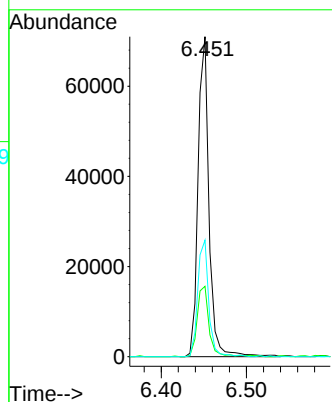
Instrument :
BNA_F
ClientSampleId :
WC-1DL



Tgt Ion: 99 Resp: 63314
Ion Ratio Lower Upper
99 100
42 22.0 19.9 29.9
71 36.4 32.2 48.4

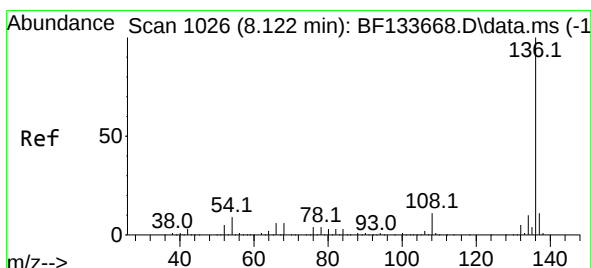
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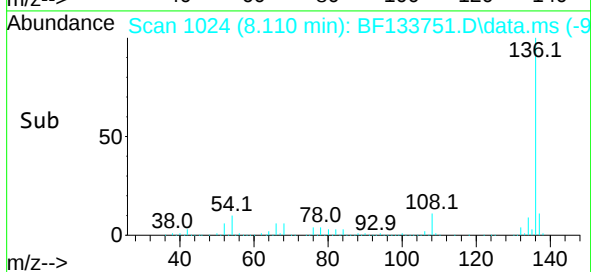
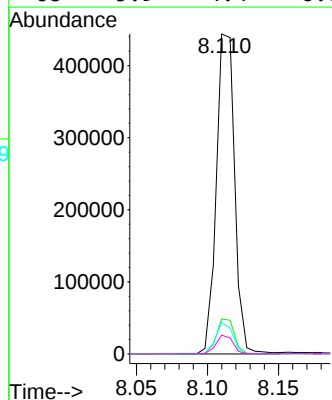
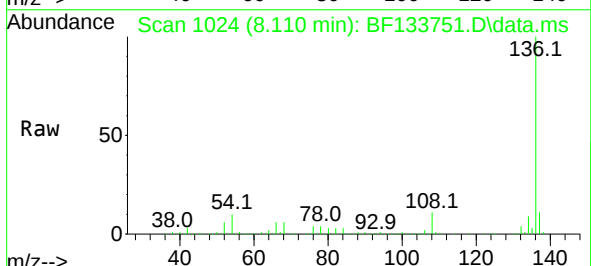
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ahmed

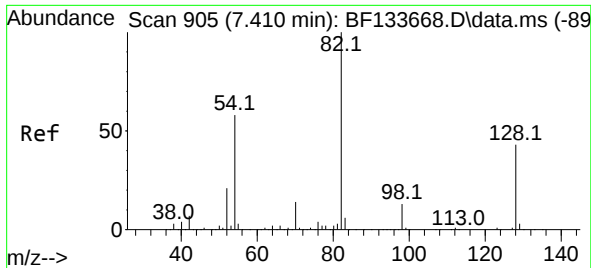
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

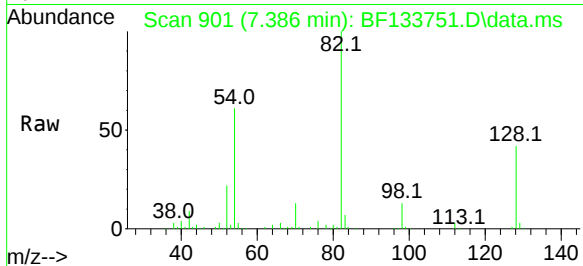
Tgt Ion:136 Resp: 397880
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 9.8 7.4 11.0
68 5.9 4.4 6.6





#23
Nitrobenzene-d5
Concen: 5.432 ng
RT: 7.386 min Scan# 905
Delta R.T. -0.018 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

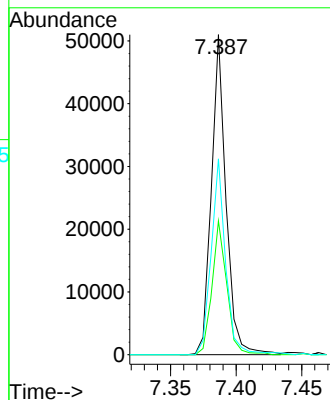
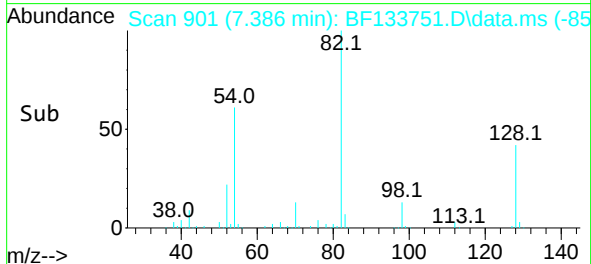
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 3968
Ion Ratio Lower Upper
82 100
128 41.8 34.2 51.2
54 61.2 46.5 69.7

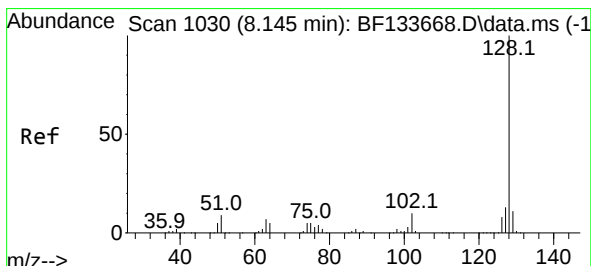
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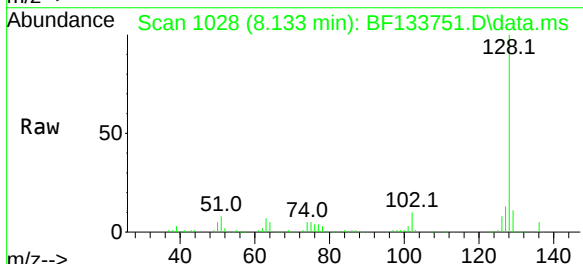


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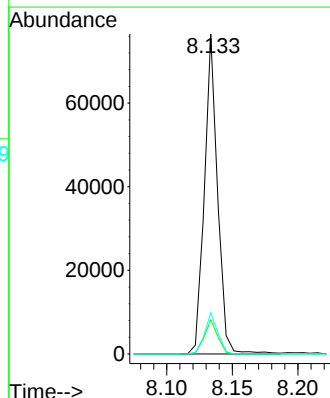
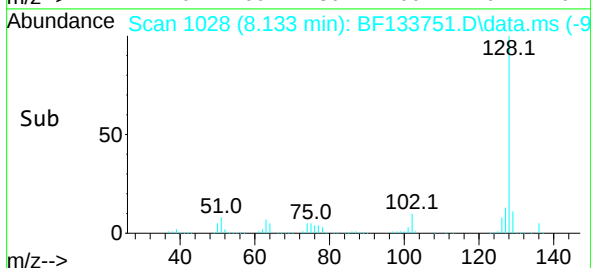
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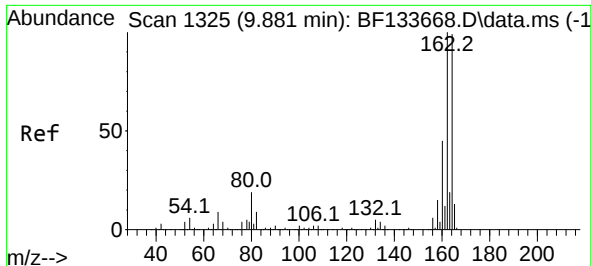


#31
Naphthalene
Concen: 2.765 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.012 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03



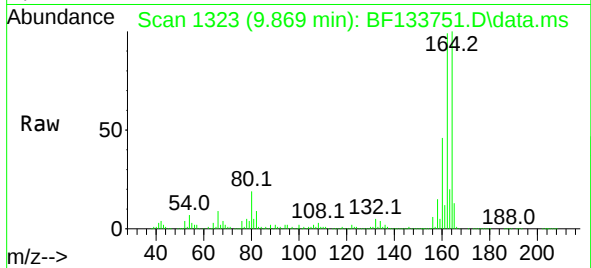
Tgt Ion:128 Resp: 53591
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 12.9 10.5 15.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

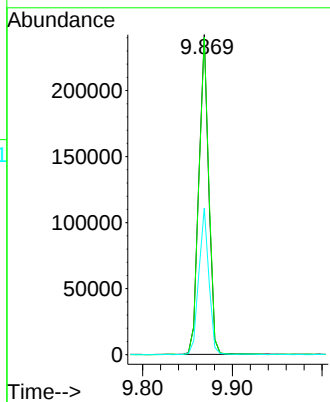
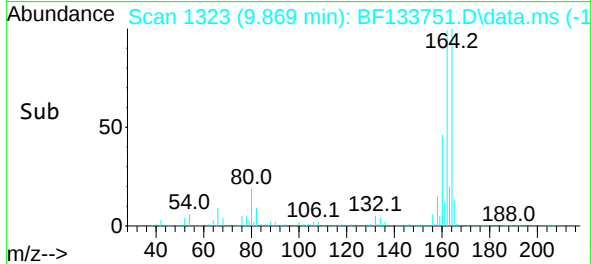
Instrument :
BNA_F
ClientSampleId :
WC-1DL



Tgt Ion:164 Resp: 185150
Ion Ratio Lower Upper
164 100
162 99.3 80.8 121.2
160 45.9 36.7 55.1

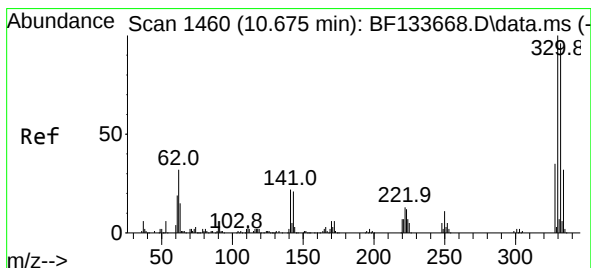
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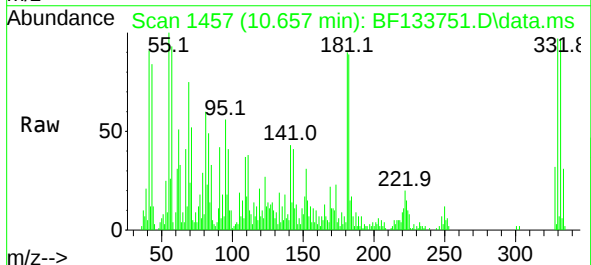


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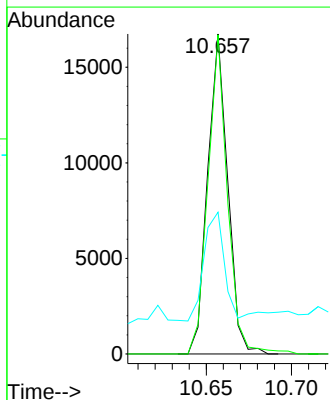
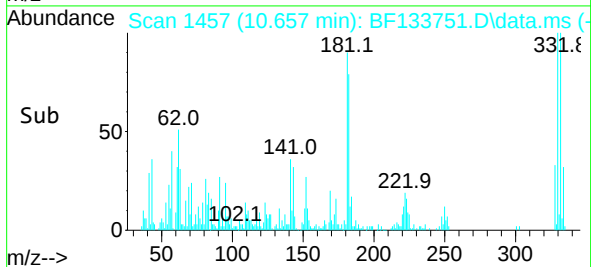
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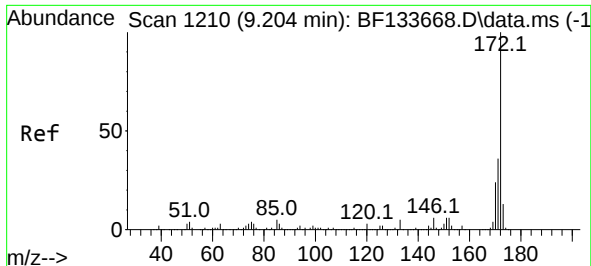


#42
2,4,6-Tribromophenol
Concen: 5.859 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.012 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03



Tgt Ion:330 Resp: 13732
Ion Ratio Lower Upper
330 100
332 97.5 77.2 115.8
141 35.4 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 6.203 ng

RT: 9.186 min Scan# 1210

Delta R.T. -0.012 min

Lab File: BF133751.D

Acq: 14 Jun 2023 15:03

Instrument :

BNA_F

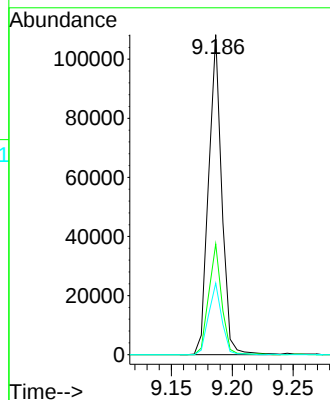
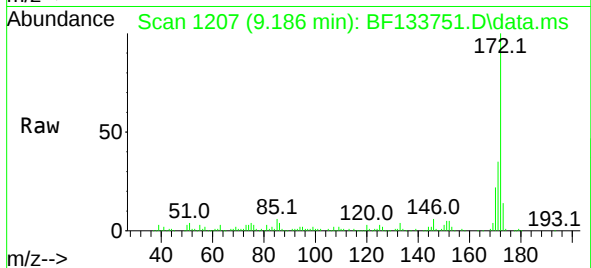
ClientSampleId :

WC-1DL

Tgt Ion:	172	Resp:	80790
Ion Ratio	Lower	Upper	
172	100		
171	34.6	28.6	43.0
170	22.3	19.1	28.7

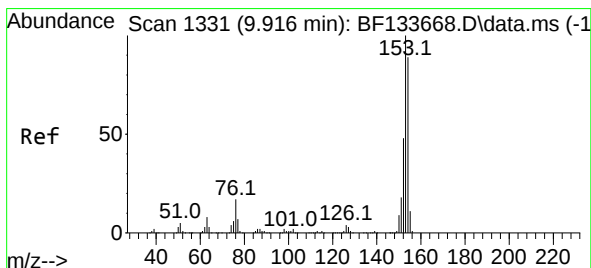
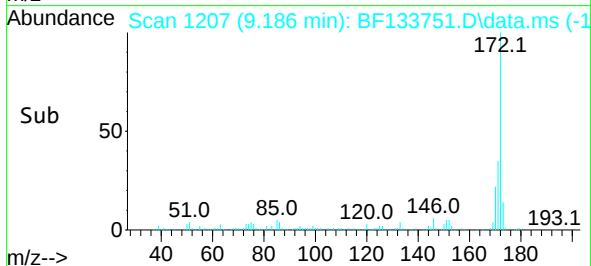
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#52

Acenaphthene

Concen: 4.875 ng

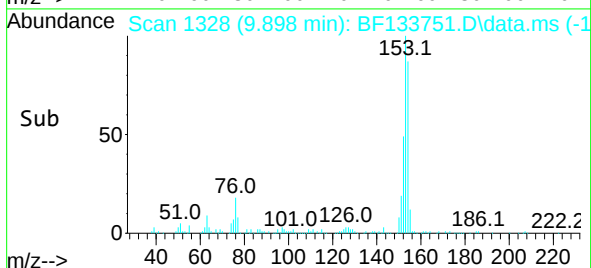
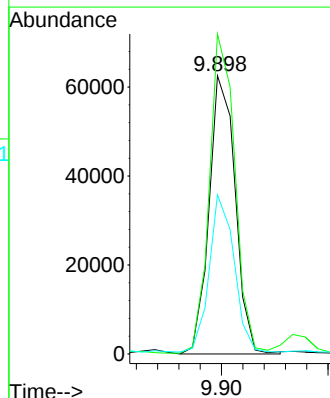
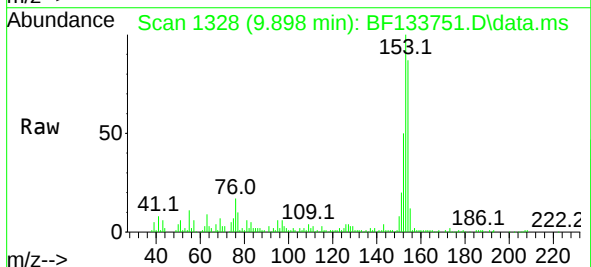
RT: 9.898 min Scan# 1328

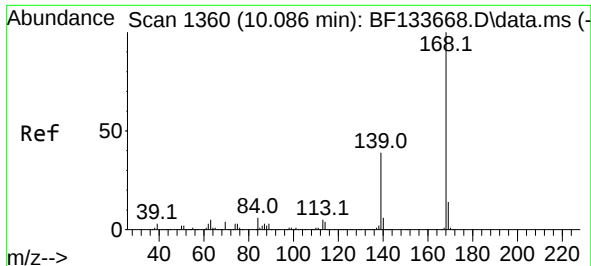
Delta R.T. -0.018 min

Lab File: BF133751.D

Acq: 14 Jun 2023 15:03

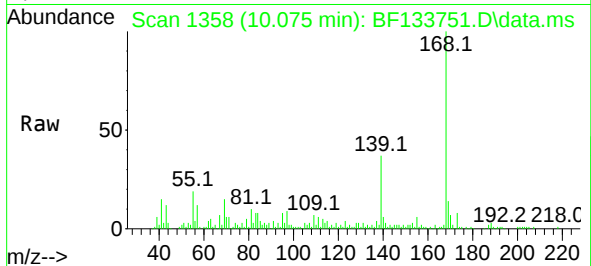
Tgt Ion:	154	Resp:	53204
Ion Ratio	Lower	Upper	
154	100		
153	115.0	89.8	134.8
152	57.2	43.4	65.2





#55
Dibenzofuran
Concen: 2.312 ng
RT: 10.075 min Scan# 1358
Delta R.T. -0.012 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

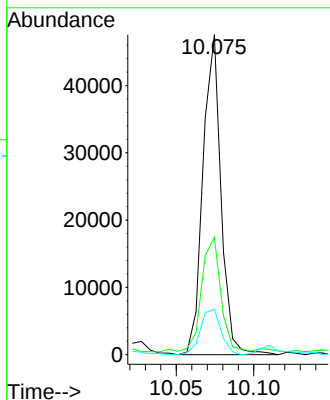
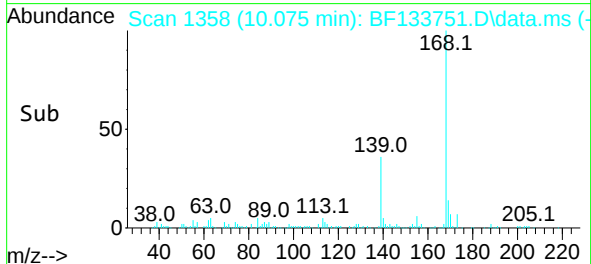
Instrument :
BNA_F
ClientSampleId :
WC-1DL



Tgt Ion:168 Resp: 38500
Ion Ratio Lower Upper
168 100
139 36.7 30.9 46.3
169 14.1 10.9 16.3

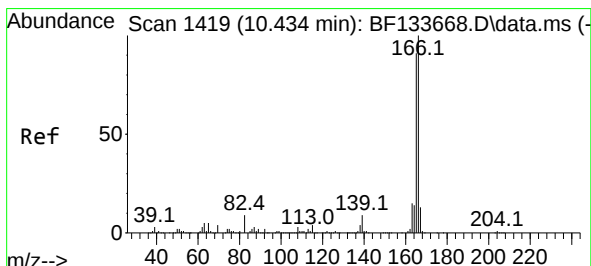
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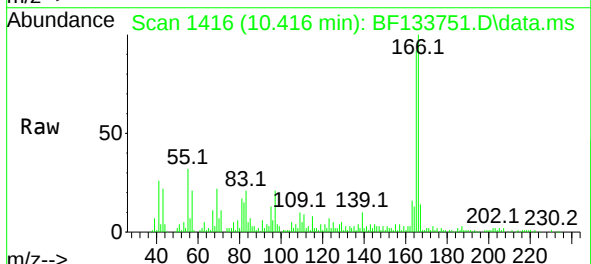


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Supervised By :mohammad
ahmed

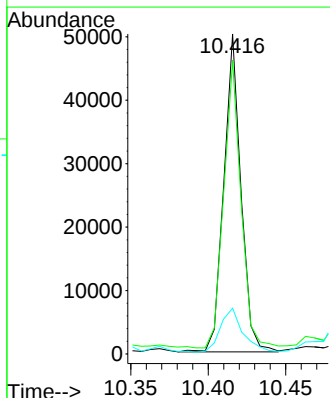
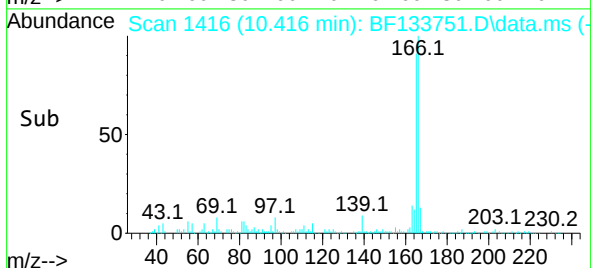
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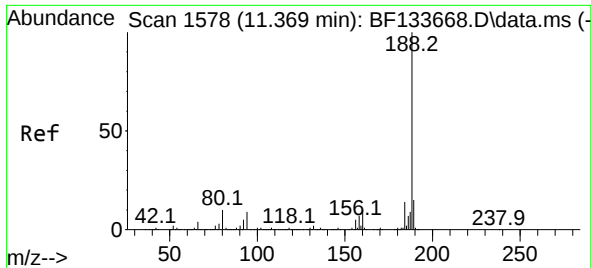


#58
Fluorene
Concen: 3.034 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.012 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03



Tgt Ion:166 Resp: 38634
Ion Ratio Lower Upper
166 100
165 91.8 73.1 109.7
167 14.3 10.5 15.7





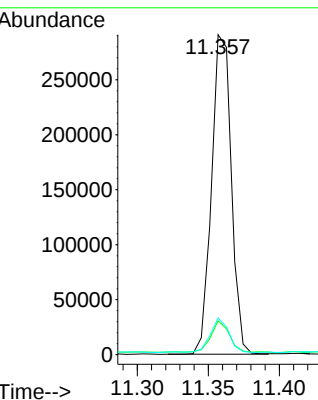
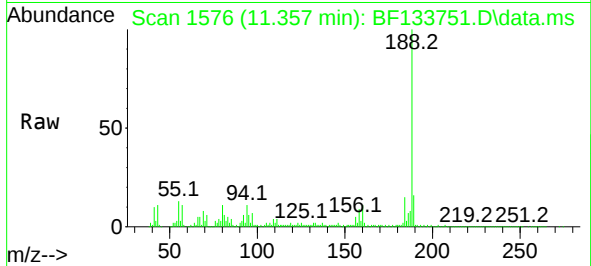
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11357
Delta R.T. -0.012 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

Instrument :
BNA_F
ClientSampleId :
WC-1DL

Tgt Ion:188	Resp: 28050
Ion Ratio	Lower Upper
188	100
94	10.6 6.8 10.2
80	11.4 7.8 11.6

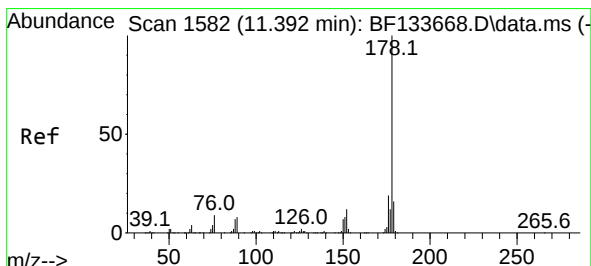
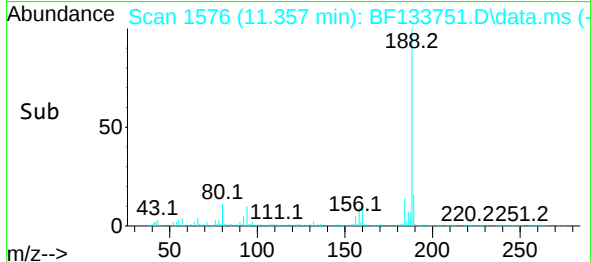
Manual Integrations
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Reviewed By :Yogesh
Patel



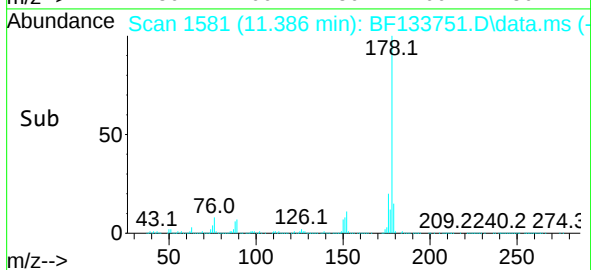
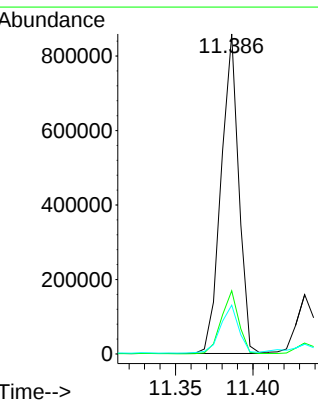
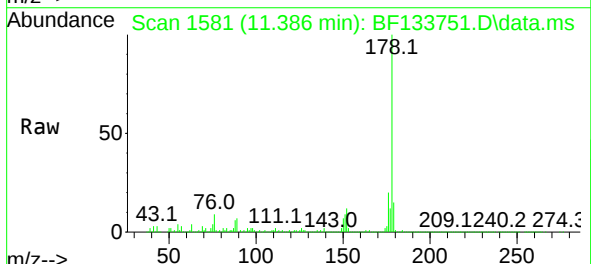
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ahmed

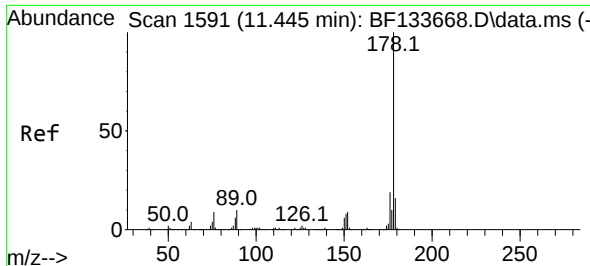
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#71
Phenanthrene
Concen: 47.747 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

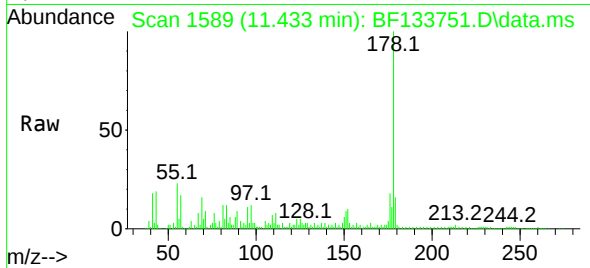
Tgt Ion:178	Resp: 679506
Ion Ratio	Lower Upper
178	100
176	19.7 15.6 23.4
179	15.3 12.4 18.6





#72
 Anthracene
 Concen: 8.464 ng
 RT: 11.433 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133751.D
 Acq: 14 Jun 2023 15:03

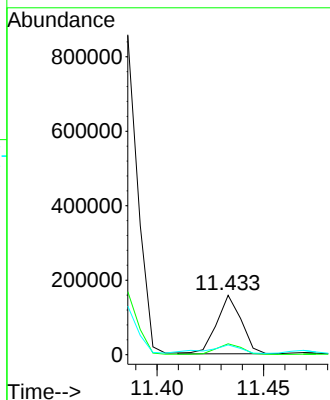
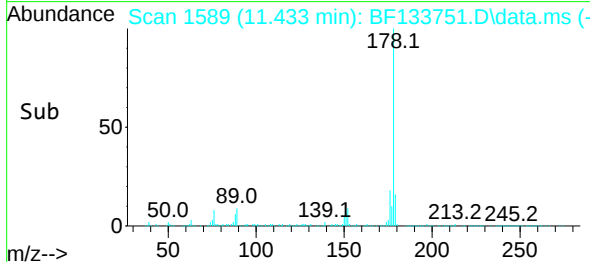
Instrument :
 BNA_F
 ClientSampleId :
 WC-1DL



Tgt Ion:178 Resp: 125590
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.1 22.7
 179 16.5 12.6 18.8

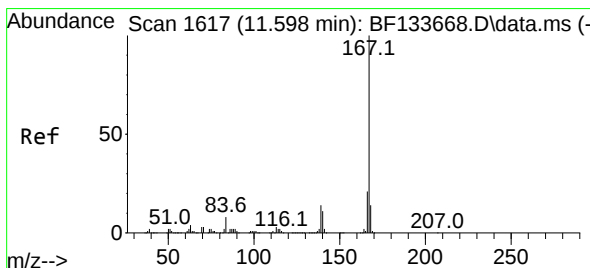
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Reviewed By :Yogesh
 Patel

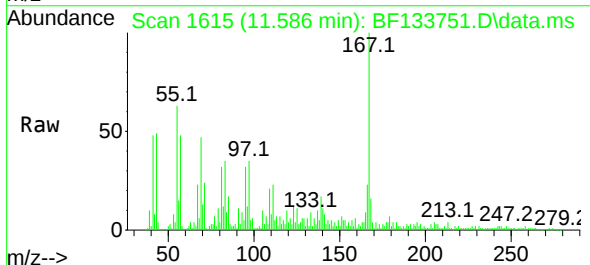


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 Supervised By :mohammad
 ahmed

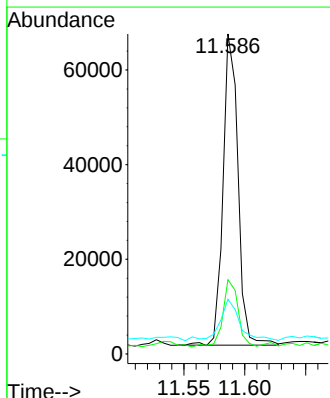
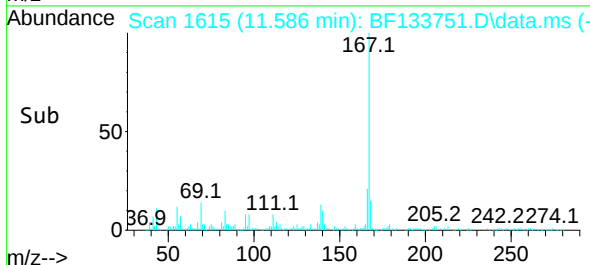
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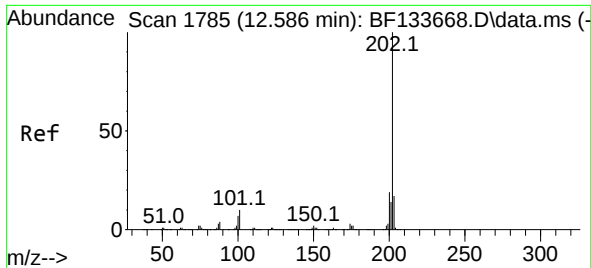


#73
 Carbazole
 Concen: 4.066 ng
 RT: 11.586 min Scan# 1615
 Delta R.T. -0.012 min
 Lab File: BF133751.D
 Acq: 14 Jun 2023 15:03



Tgt Ion:167 Resp: 56187
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.0 25.6
 139 17.1 11.2 16.8#





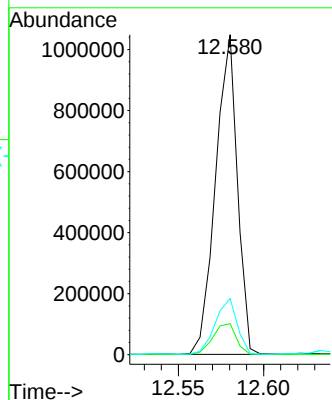
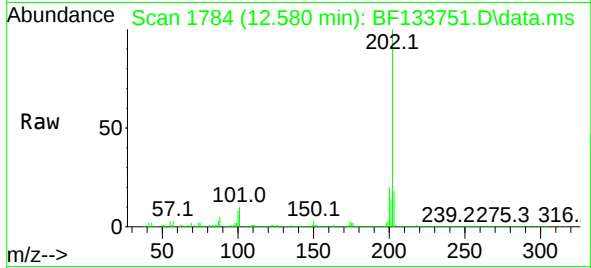
#75
Fluoranthene
Concen: 61.586 ng
RT: 12.580 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

Instrument :
BNA_F
ClientSampleId :
WC-1DL

Tgt Ion:202 Resp: 930730
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.6
203 17.6 0.0 37.4

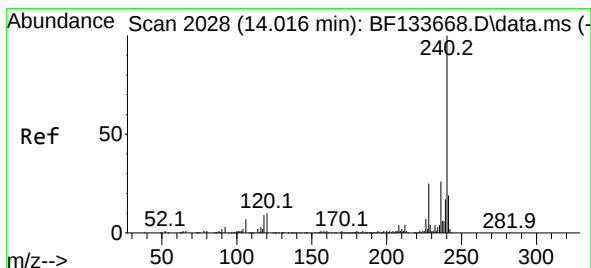
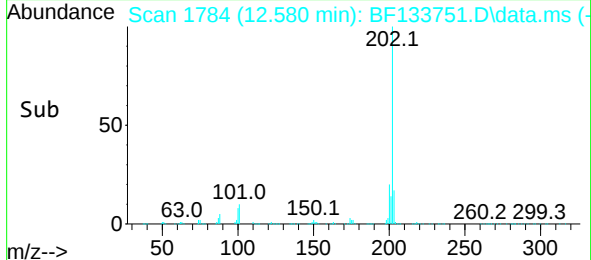
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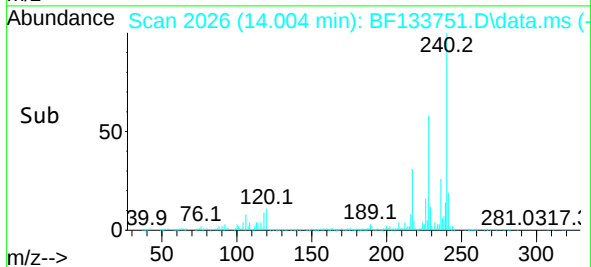
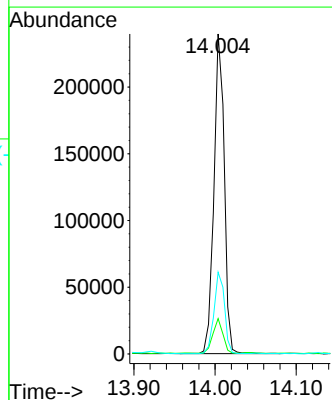
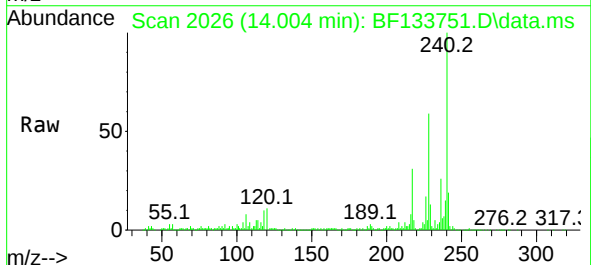
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Supervised By :mohammad
ahmed

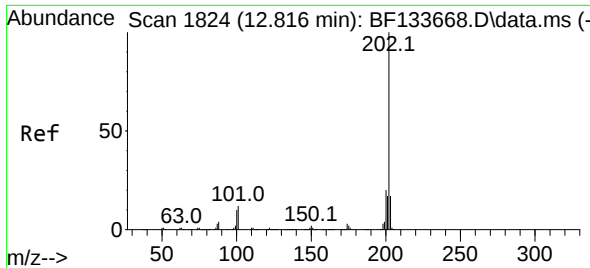
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

Tgt Ion:240 Resp: 211200
Ion Ratio Lower Upper
240 100
120 11.0 8.1 12.1
236 25.6 20.5 30.7





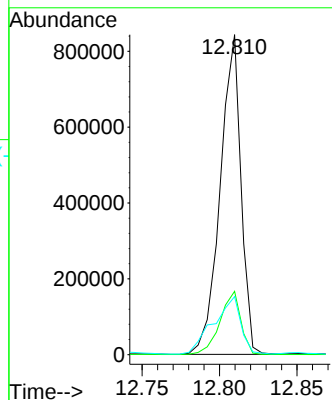
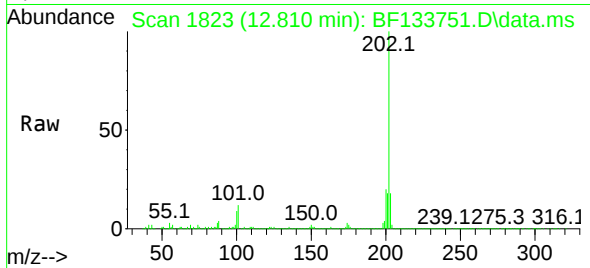
#78
Pyrene
Concen: 40.002 ng
RT: 12.810 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

Instrument :
BNA_F
ClientSampleId :
WC-1DL

Tgt Ion:202 Resp: 787000
Ion Ratio Lower Upper
202 100
200 19.8 16.2 24.2
203 18.2 13.9 20.9

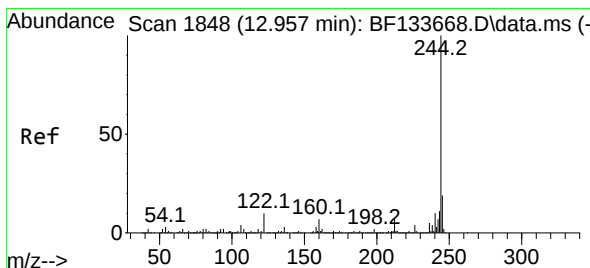
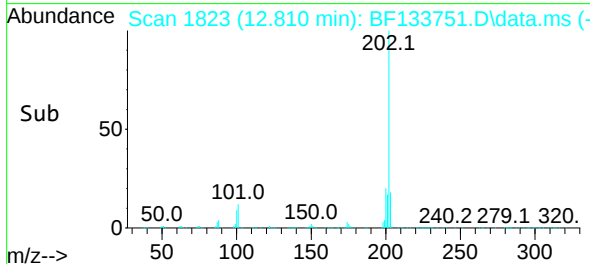
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Patel



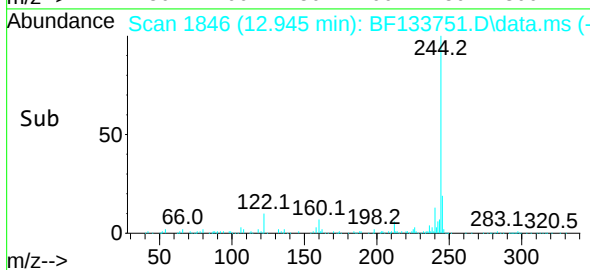
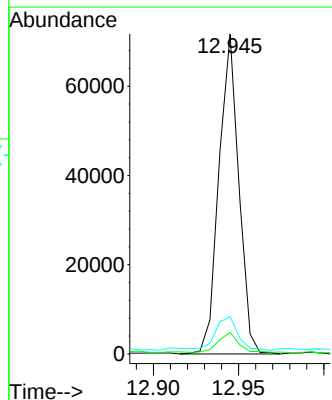
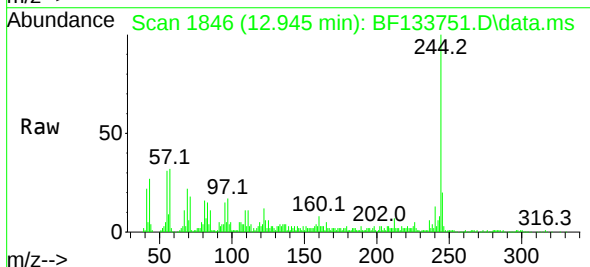
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Supervised By :mohammad
ahmed

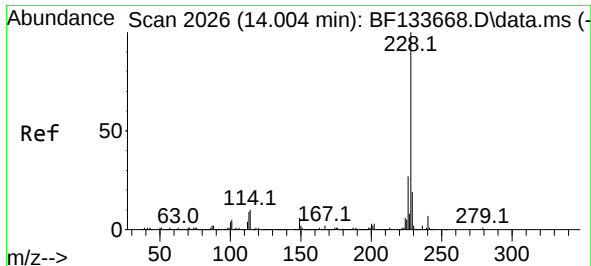
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#79
Terphenyl-d14
Concen: 4.268 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.012 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

Tgt Ion:244 Resp: 58248
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 11.7 8.1 12.1





#81
Benzo(a)anthracene
Concen: 30.319 ng
RT: 13.992 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

Instrument :

BNA_F

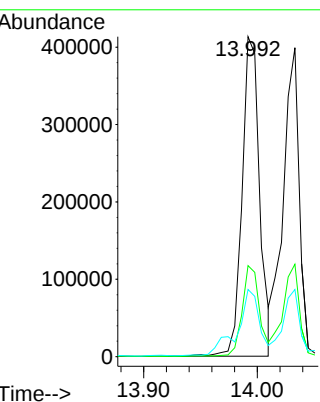
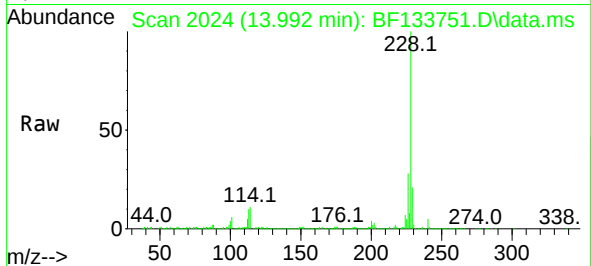
ClientSampleId :

WC-1DL

Tgt Ion:228 Resp: 442931
Ion Ratio Lower Upper
228 100
226 28.4 21.7 32.5
229 21.0 15.4 23.2

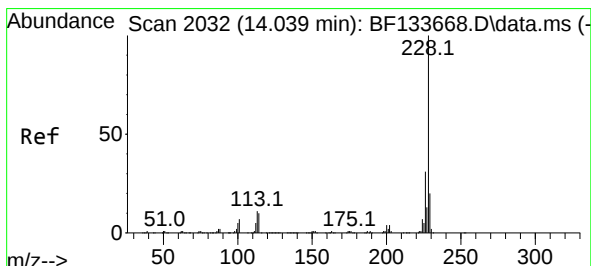
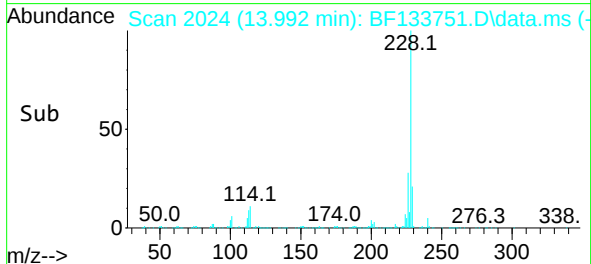
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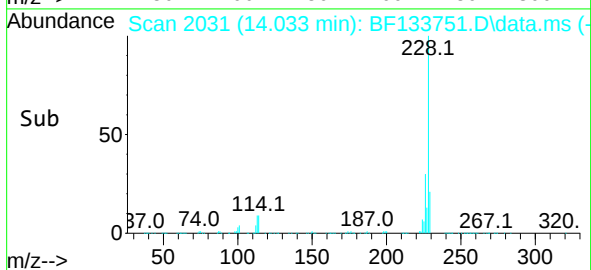
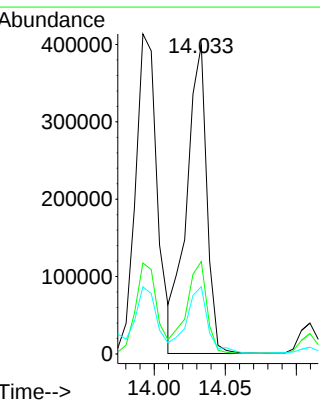
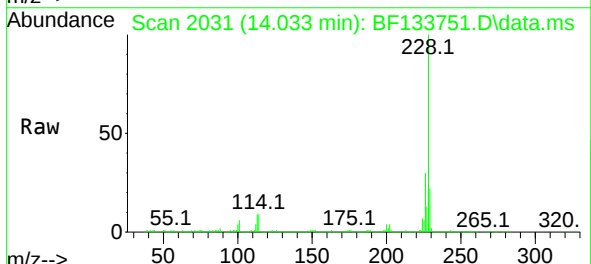
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Supervised By :mohammad
ahmed

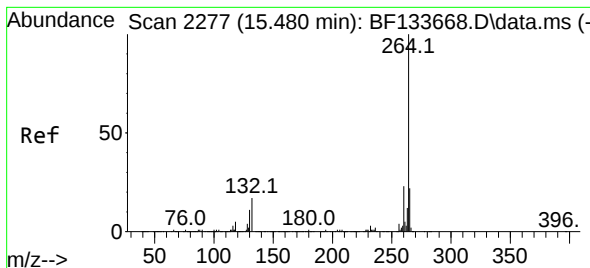
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#83
Chrysene
Concen: 28.587 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

Tgt Ion:228 Resp: 394997
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 21.8 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133751.D

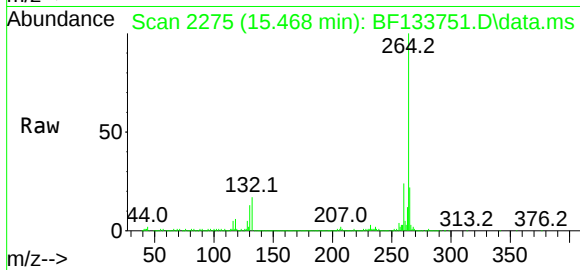
Acq: 14 Jun 2023 15:03

Instrument :

BNA_F

ClientSampleId :

WC-1DL



Tgt Ion:264 Resp: 25735

Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.2

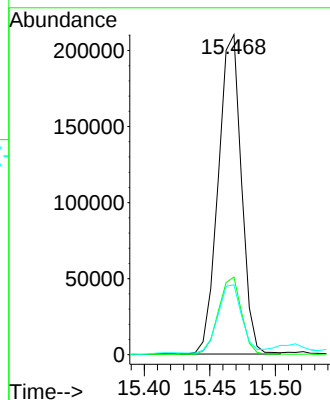
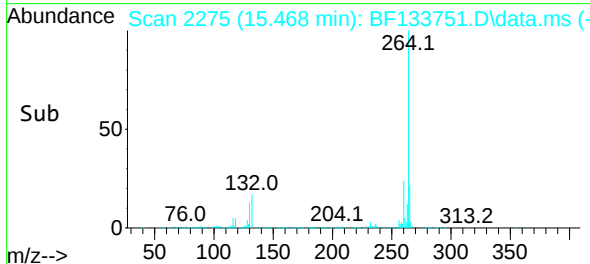
265 21.9 17.8 26.6

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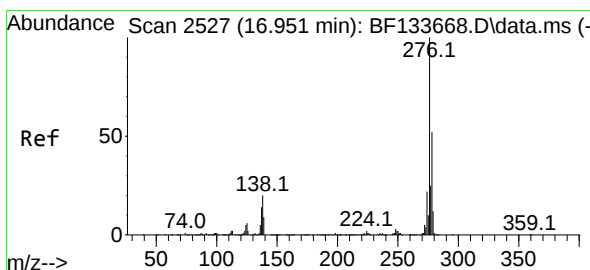
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#87

Indeno(1,2,3-cd)pyrene

Concen: 8.657 ng

RT: 16.921 min Scan# 2522

Delta R.T. -0.035 min

Lab File: BF133751.D

Acq: 14 Jun 2023 15:03

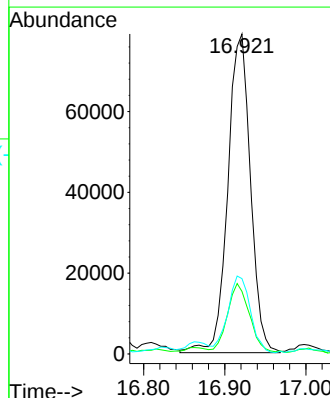
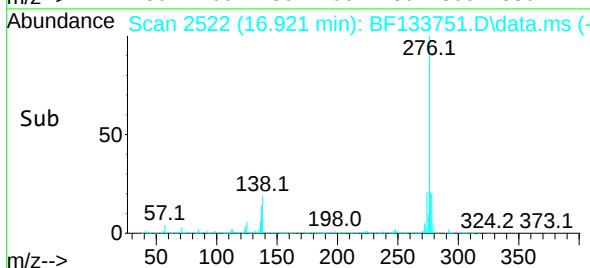
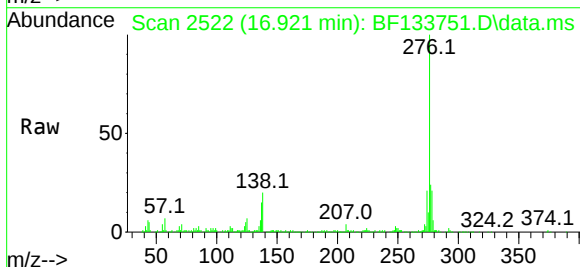
Tgt Ion:276 Resp: 153270

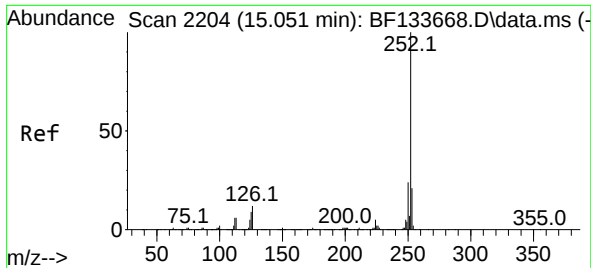
Ion Ratio Lower Upper

276 100

138 21.4 17.9 26.9

277 23.7 20.3 30.5





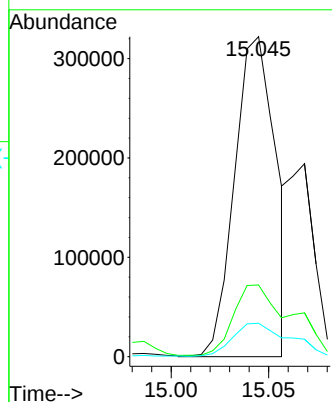
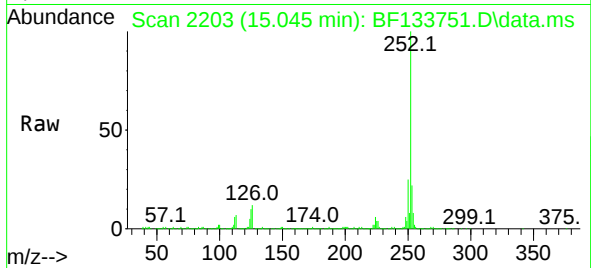
#88
Benzo(b)fluoranthene
Concen: 30.173 ng m
RT: 15.045 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

Instrument :
BNA_F
ClientSampleId :
WC-1DL

Tgt Ion:252 Resp: 471710
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 10.5 7.3 10.9

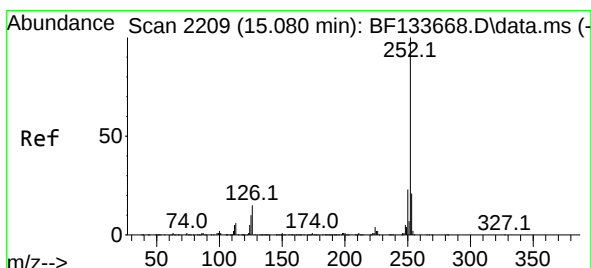
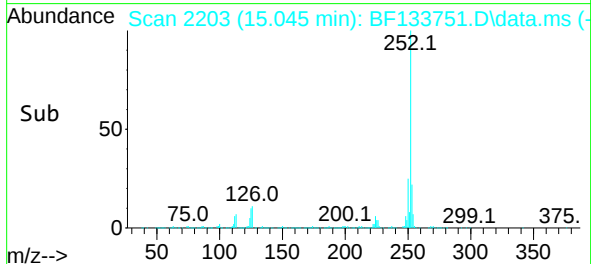
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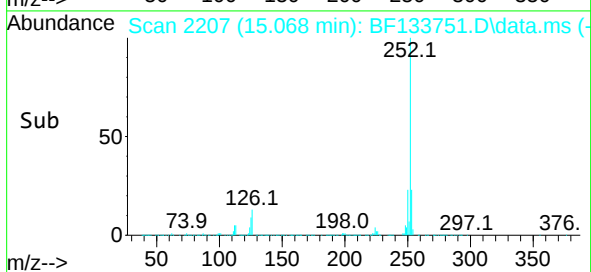
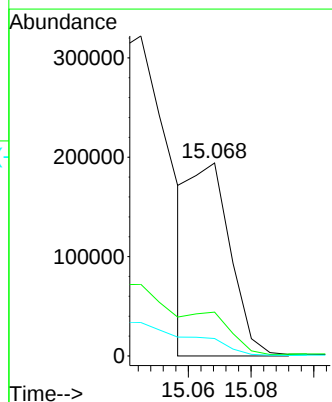
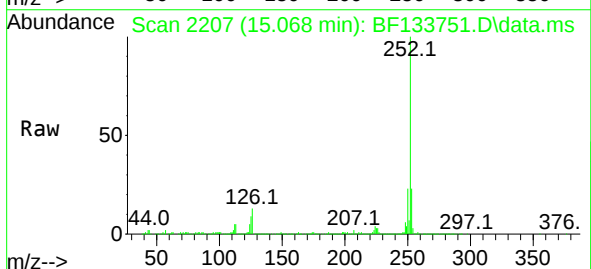
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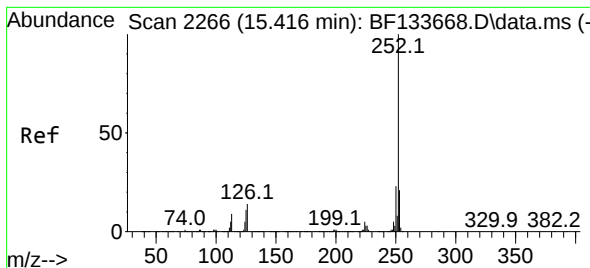
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#89
Benzo(k)fluoranthene
Concen: 11.394 ng m
RT: 15.068 min Scan# 2207
Delta R.T. -0.018 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

Tgt Ion:252 Resp: 173520
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 9.1 7.8 11.6





#90

Benzo(a)pyrene

Concen: 20.722 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF133751.D

Acq: 14 Jun 2023 15:03

Instrument :

BNA_F

ClientSampleId :

WC-1DL

Tgt Ion:252 Resp: 30066

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

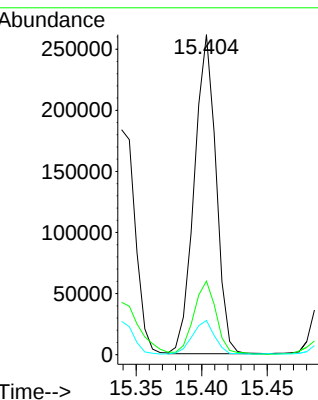
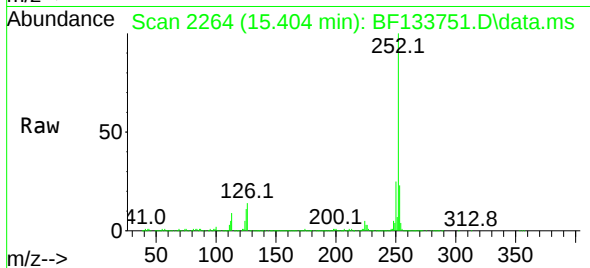
125 10.7 8.6 13.0

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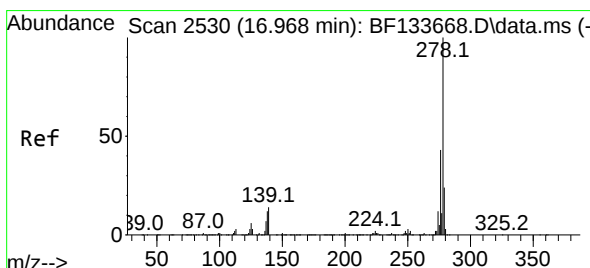
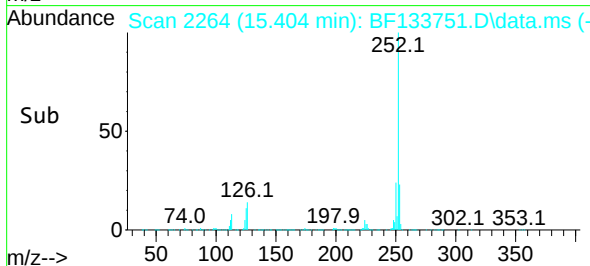
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#91

Dibenzo(a,h)anthracene

Concen: 2.762 ng m

RT: 16.927 min Scan# 2523

Delta R.T. -0.047 min

Lab File: BF133751.D

Acq: 14 Jun 2023 15:03

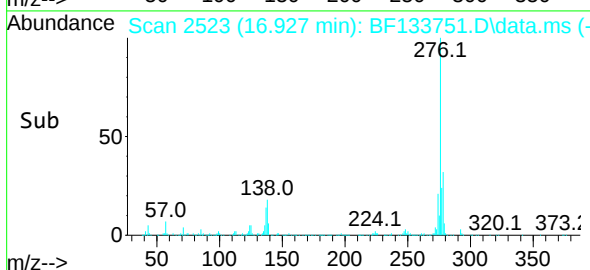
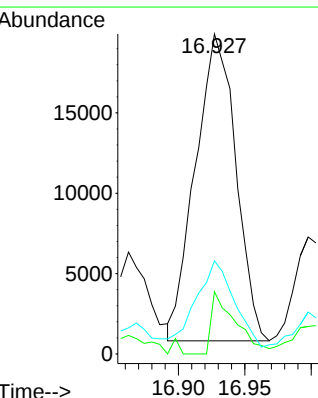
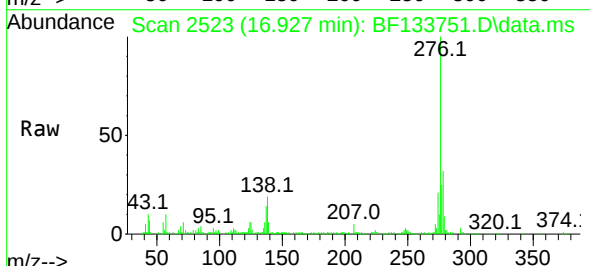
Tgt Ion:278 Resp: 40490

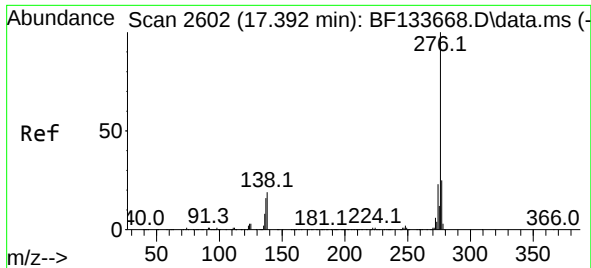
Ion Ratio Lower Upper

278 100

139 19.4 11.4 17.2#

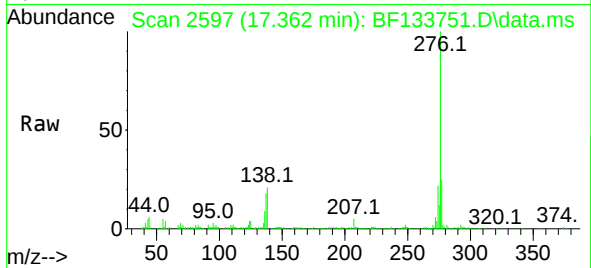
279 29.1 19.0 28.4#





#92
Benzo(g,h,i)perylene
Concen: 8.543 ng
RT: 17.362 min Scan# 2597
Delta R.T. -0.041 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

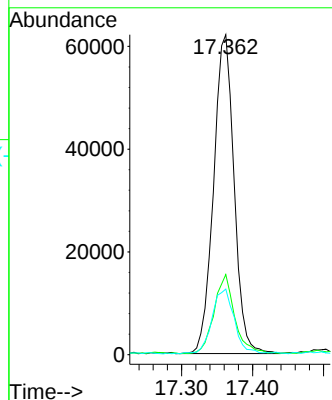
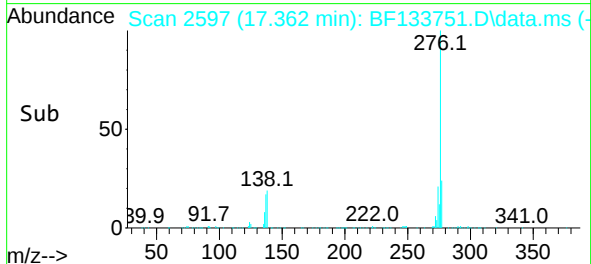
Instrument :
BNA_F
ClientSampleId :
WC-1DL



Tgt Ion:276 Resp: 124159
Ion Ratio Lower Upper
276 100
277 25.1 19.8 29.8
138 20.5 15.0 22.4

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ahmed

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