

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
 Data File : BF136158.D
 Acq On : 06 Nov 2023 16:57
 Operator : CG\JU
 Sample : 05253-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L-1(65FT)(5-10)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/08/2023
 Supervised By :mohammad ahmed 11/08/2023

Quant Time: Nov 06 23:28:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 00:53:35 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	90013	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	352548	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	175851	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	270949	20.000	ng	0.00
76) Chrysene-d12	14.010	240	170560	20.000	ng	0.00
86) Perylene-d12	15.498	264	186919	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	247845	43.268	ng	0.00
7) Phenol-d6	6.445	99	300694	42.132	ng	-0.01
23) Nitrobenzene-d5	7.375	82	189507	32.404	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	76711	40.869	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	389218	35.283	ng	0.00
79) Terphenyl-d14	12.945	244	305204	27.808	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.116	128	193261	11.368	ng	99
37) 2-Methylnaphthalene	8.810	142	70987	6.227	ng	98
38) 1-Methylnaphthalene	8.910	142	47807	4.507	ng	97
49) Acenaphthylene	9.716	152	128508	8.336	ng	99
55) Dibenzofuran	10.057	168	33267	2.328	ng	# 86
58) Fluorene	10.404	166	67273	6.287	ng	100
71) Phenanthrene	11.375	178	535252	39.235	ng	99
72) Anthracene	11.422	178	114010	8.156	ng	99
75) Fluoranthene	12.569	202	461588	32.936	ng	98
78) Pyrene	12.804	202	703798	46.803	ng	99
81) Benzo(a)anthracene	13.998	228	343863m	30.453	ng	
83) Chrysene	14.033	228	301173	27.083	ng	98
87) Indeno(1,2,3-cd)pyrene	17.004	276	95755	7.838	ng	# 94
88) Benzo(b)fluoranthene	15.063	252	305689m	27.638	ng	
89) Benzo(k)fluoranthene	15.086	252	84573m	7.728	ng	
90) Benzo(a)pyrene	15.433	252	287656	27.991	ng	98
91) Dibenzo(a,h)anthracene	17.015	278	30670m	3.065	ng	
92) Benzo(g,h,i)perylene	17.462	276	100009m	11.144	ng	

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

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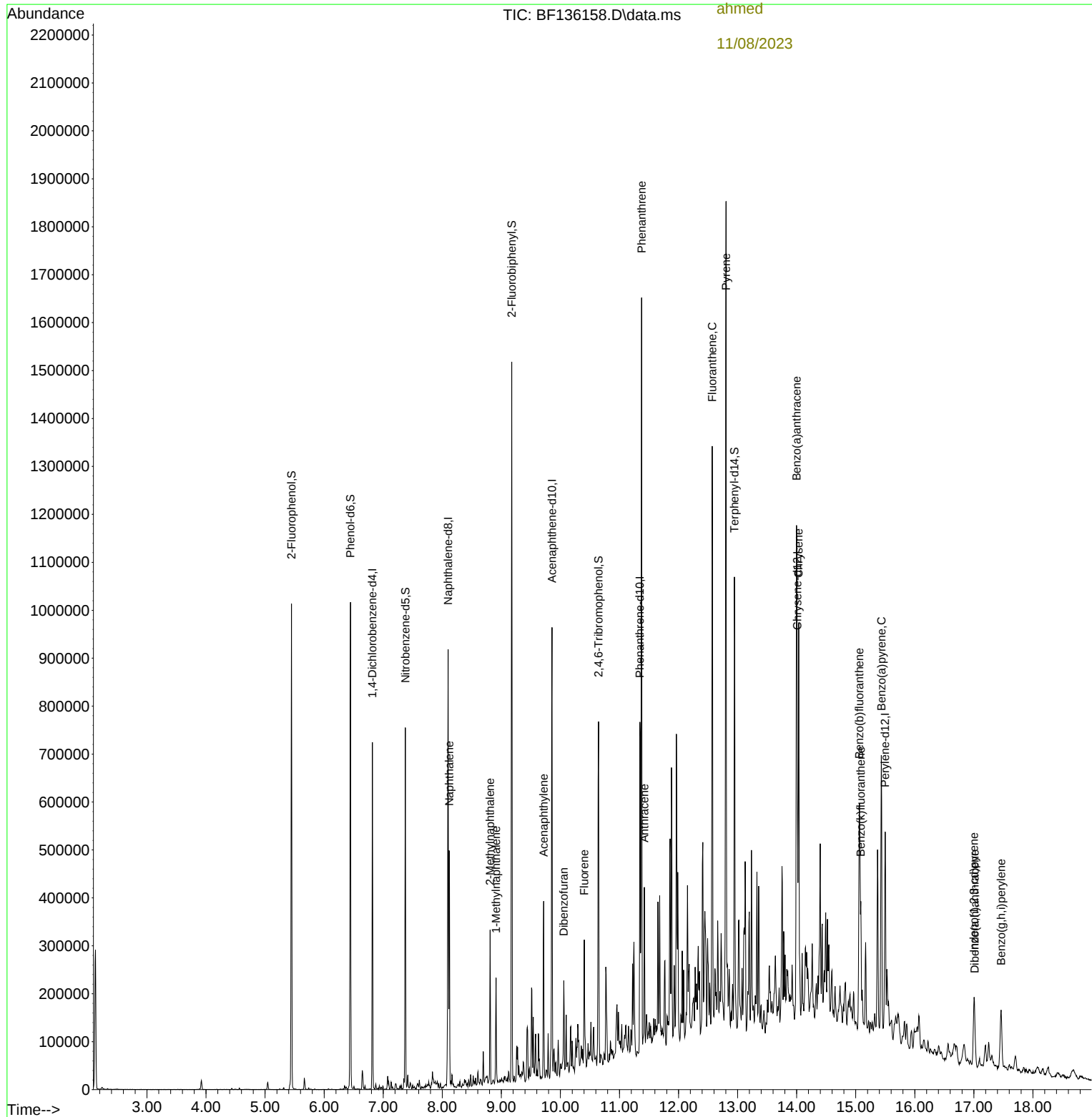
Manual Integrations
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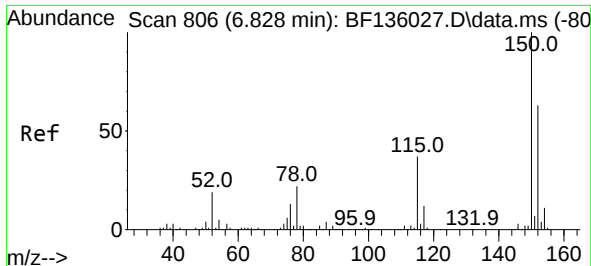
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
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ahmed

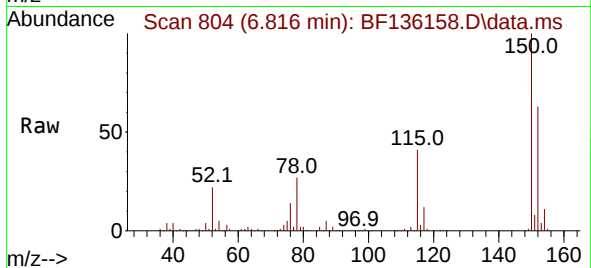
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Instrument :
BNA_F
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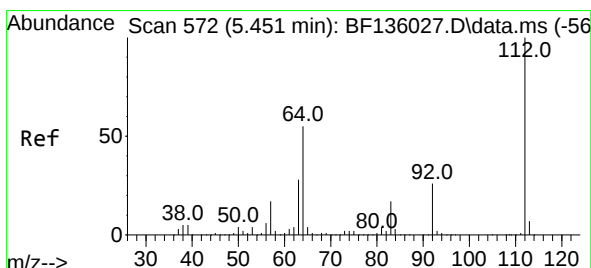
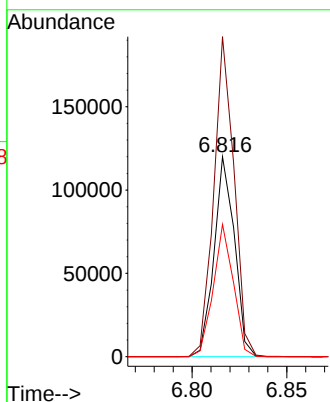
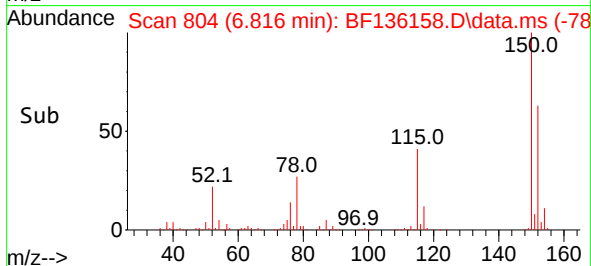
Tgt Ion:152 Resp: 9001
Ion Ratio Lower Upper
152 100
150 160.0 126.4 189.6
115 66.1 47.0 70.4

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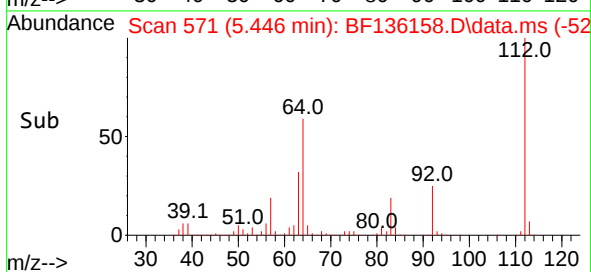
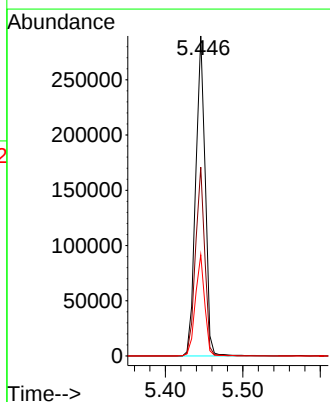
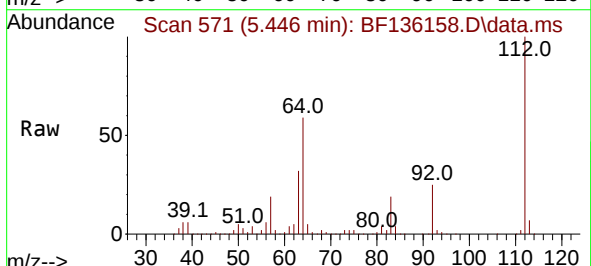
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#5
2-Fluorophenol
Concen: 43.268 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

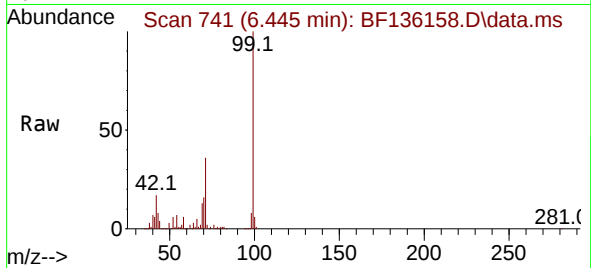
Tgt Ion:112 Resp: 247845
Ion Ratio Lower Upper
112 100
64 59.0 43.9 65.9
63 31.6 22.4 33.6





#7
Phenol-d6
Concen: 42.132 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Instrument :
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L-1(65FT)(5-10)



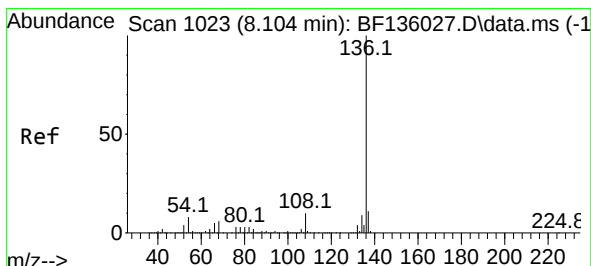
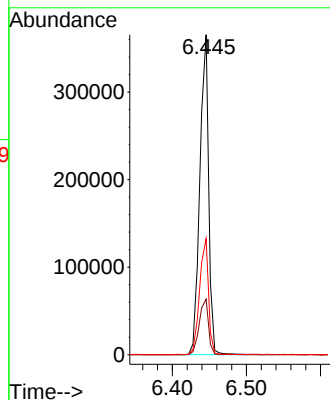
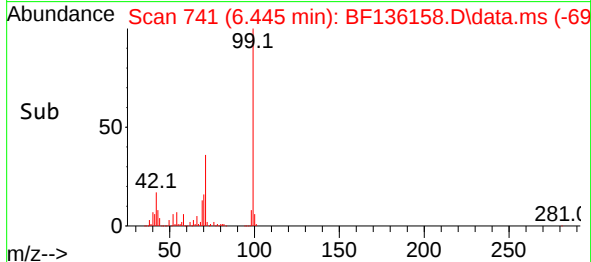
Tgt Ion: 99 Resp: 300694
Ion Ratio Lower Upper
99 100
42 17.4 13.7 20.5
71 36.2 25.9 38.9

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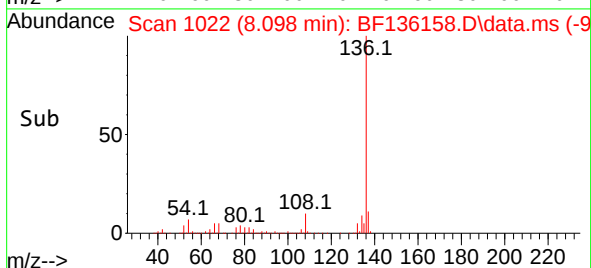
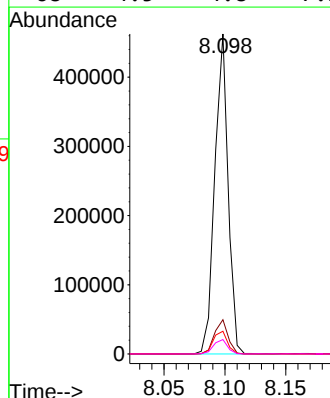
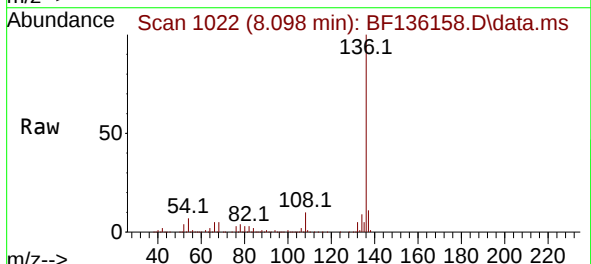
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Tgt Ion:136 Resp: 352548
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.1 6.6 9.8
68 4.5 4.8 7.2#





#23

Nitrobenzene-d5

Concen: 32.404 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF136158.D

Acq: 06 Nov 2023 16:57

Instrument :

BNA_F

ClientSampleId :

L-1(65FT)(5-10)

Tgt Ion: 82	Resp: 18950
Ion Ratio	Lower Upper
82 100	
128 44.6	38.6 57.8
54 52.6	40.8 61.2

Manual Integrations

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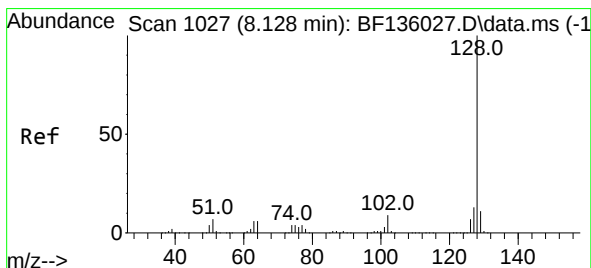
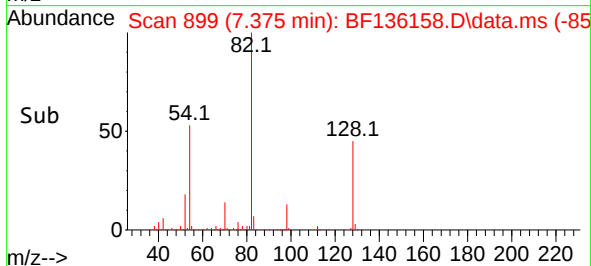
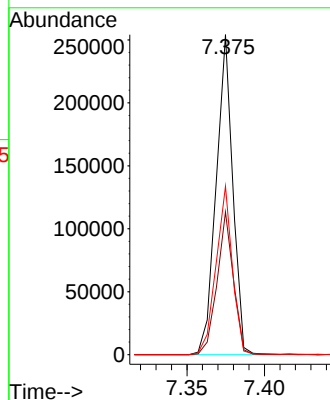
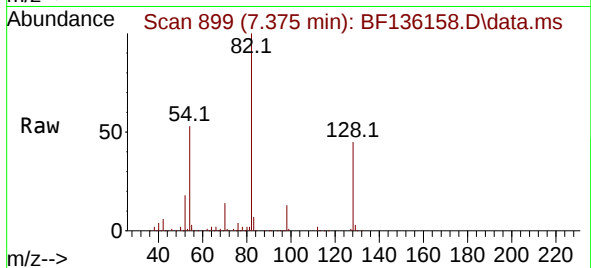
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#31

Naphthalene

Concen: 11.368 ng

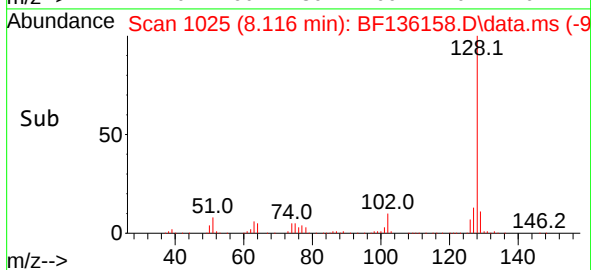
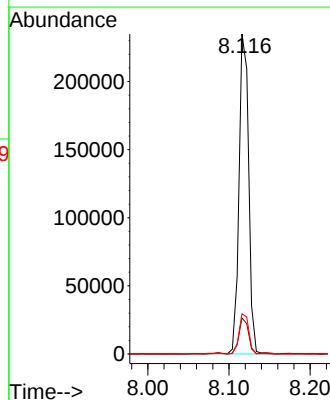
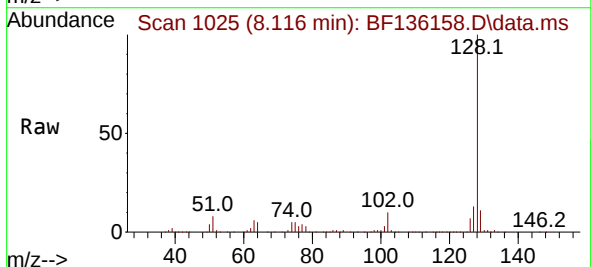
RT: 8.116 min Scan# 1025

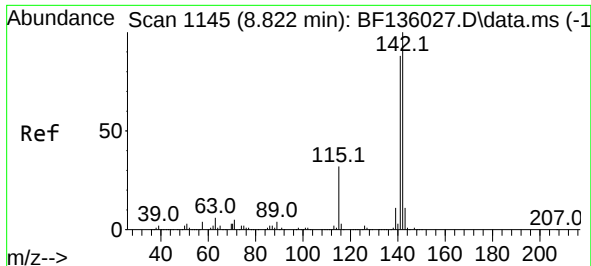
Delta R.T. -0.006 min

Lab File: BF136158.D

Acq: 06 Nov 2023 16:57

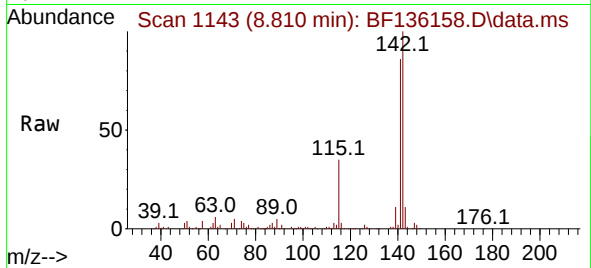
Tgt Ion:128	Resp: 193261
Ion Ratio	Lower Upper
128 100	
129 11.2	8.9 13.3
127 12.5	10.5 15.7





#37
2-Methylnaphthalene
Concen: 6.227 ng
RT: 8.810 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

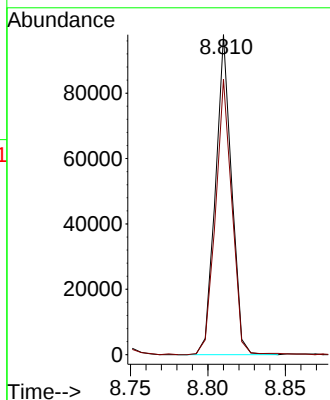
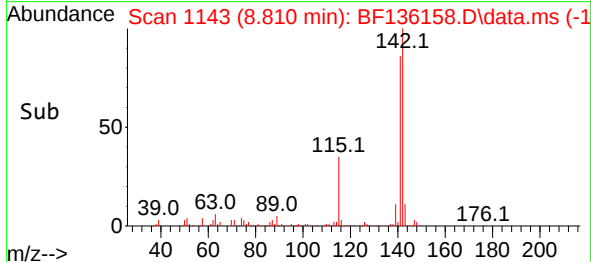
Instrument :
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Tgt Ion:142 Resp: 7098
Ion Ratio Lower Upper
142 100
141 86.1 70.4 105.6

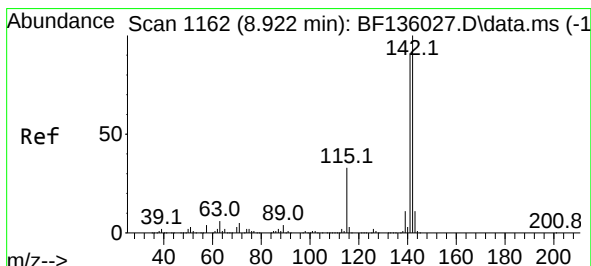
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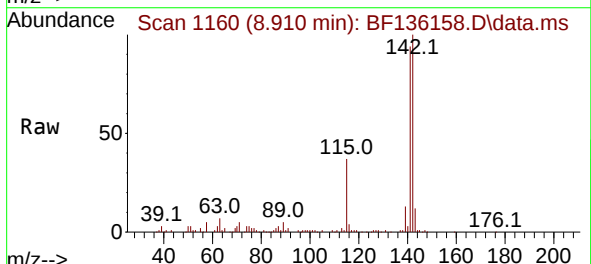


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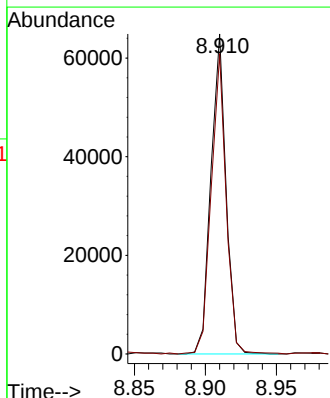
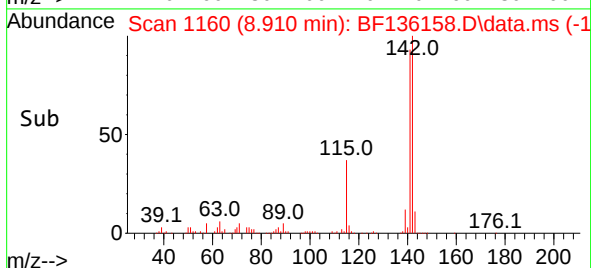
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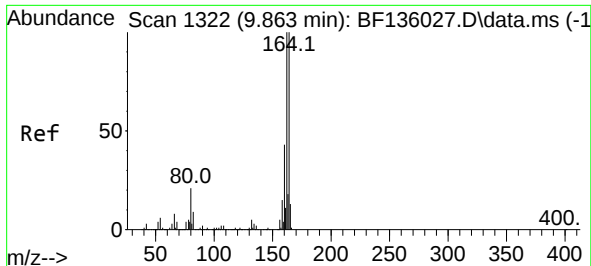


#38
1-Methylnaphthalene
Concen: 4.507 ng
RT: 8.910 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57



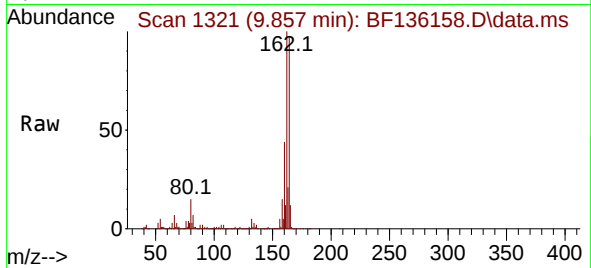
Tgt Ion:142 Resp: 47807
Ion Ratio Lower Upper
142 100
141 93.9 72.6 109.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Instrument :
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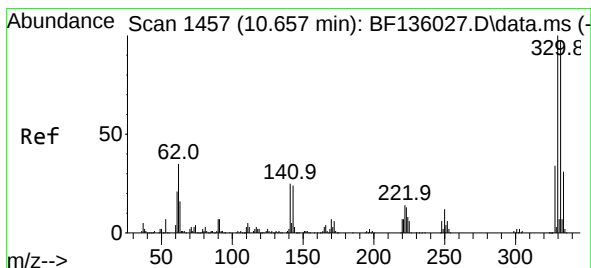
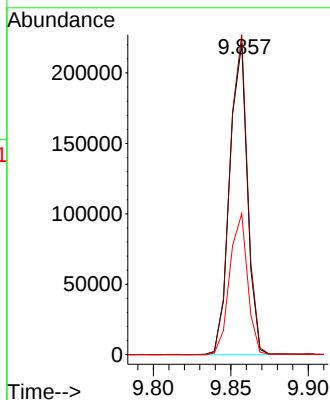
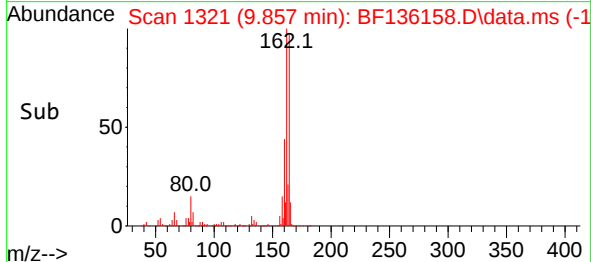
Tgt Ion:164 Resp: 17585
Ion Ratio Lower Upper
164 100
162 102.8 80.1 120.1
160 45.3 34.8 52.2

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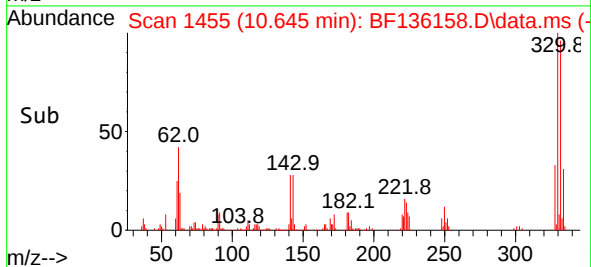
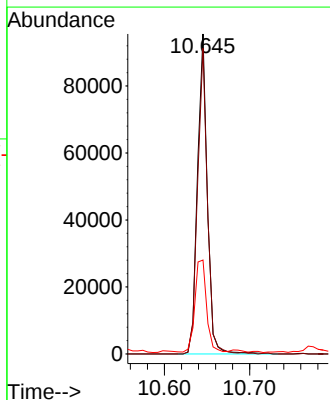
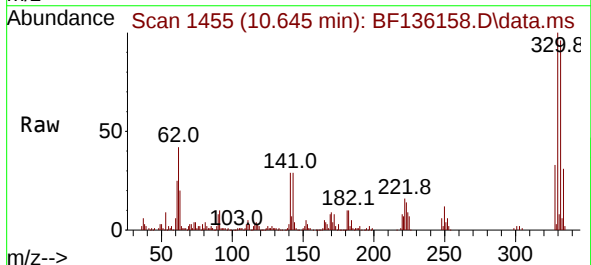
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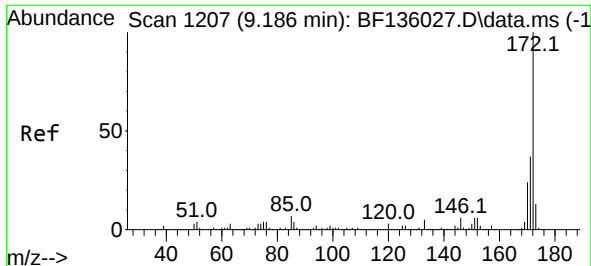
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#42
2,4,6-Tribromophenol
Concen: 40.869 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

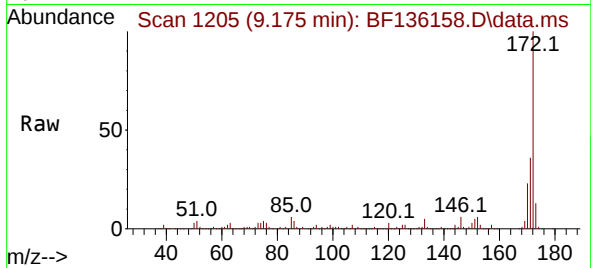
Tgt Ion:330 Resp: 76711
Ion Ratio Lower Upper
330 100
332 95.9 76.9 115.3
141 33.7 23.2 34.8





#45
2-Fluorobiphenyl
Concen: 35.283 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Instrument :
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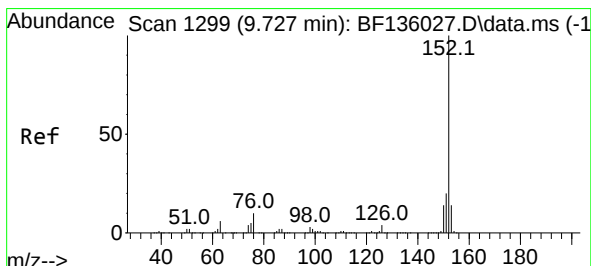
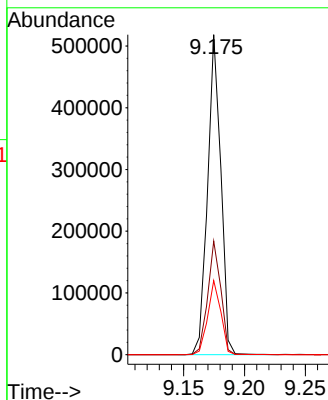
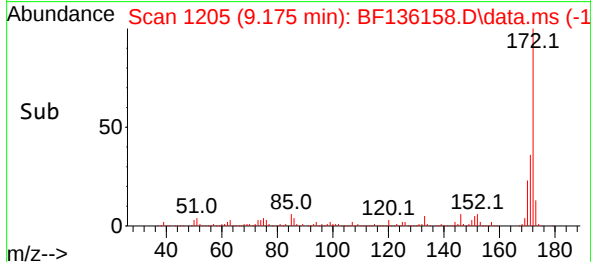
Tgt Ion:172 Resp: 389218
Ion Ratio Lower Upper
172 100
171 35.5 29.4 44.0
170 23.2 19.3 28.9

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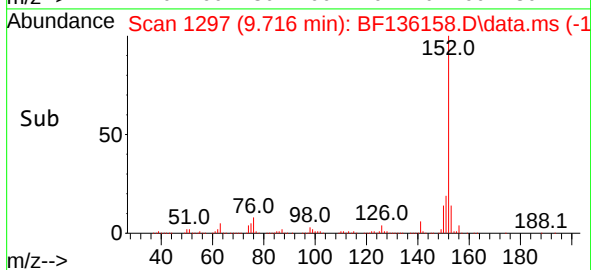
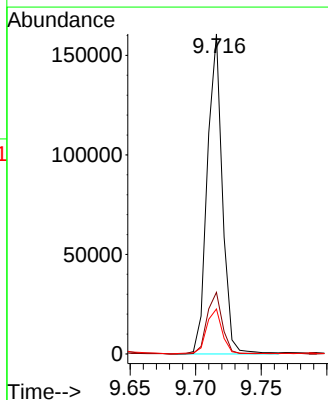
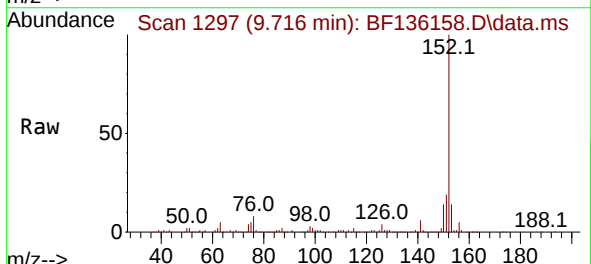
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ahmed

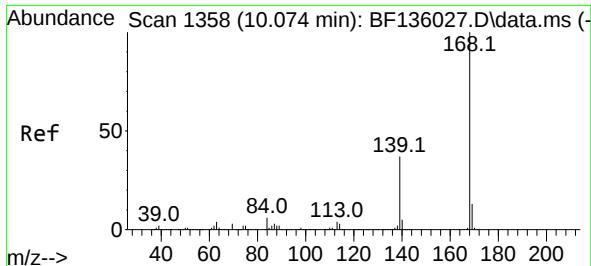
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#49
Acenaphthylene
Concen: 8.336 ng
RT: 9.716 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

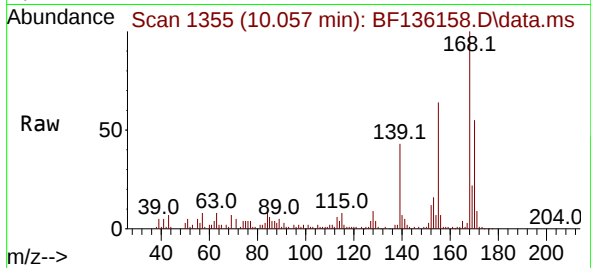
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Ion Ratio Lower Upper
152 100
151 19.3 16.1 24.1
153 14.0 11.4 17.2





#55
Dibenzenofuran
Concen: 2.328 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.012 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Instrument :
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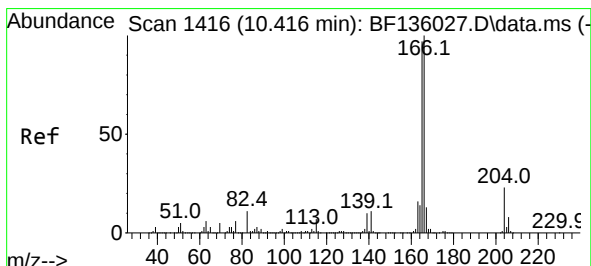
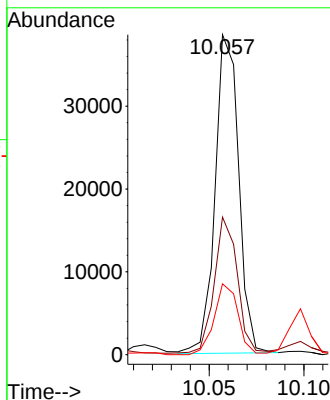
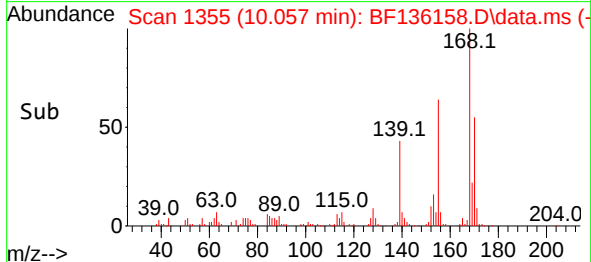
Tgt Ion:168 Resp: 3326
Ion Ratio Lower Upper
168 100
139 43.0 29.4 44.0
169 22.2 10.5 15.7

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Supervised By :mohammad ahmed 11/08/2023

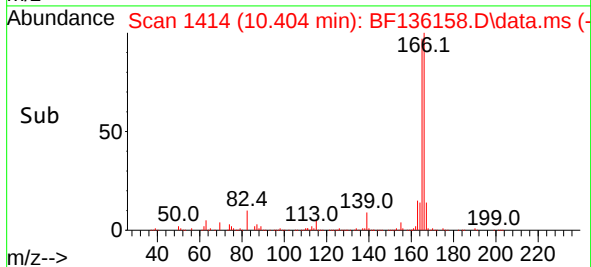
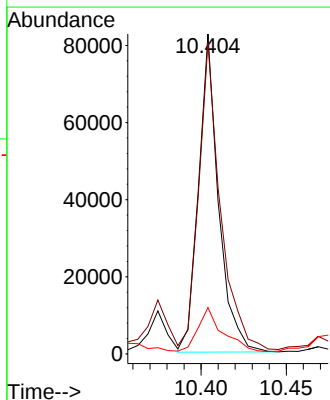
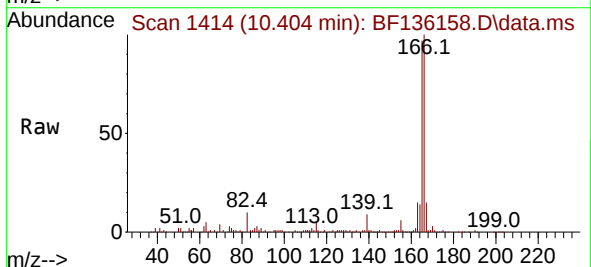
11/08/2023
Supervised By :mohammad
ahmed

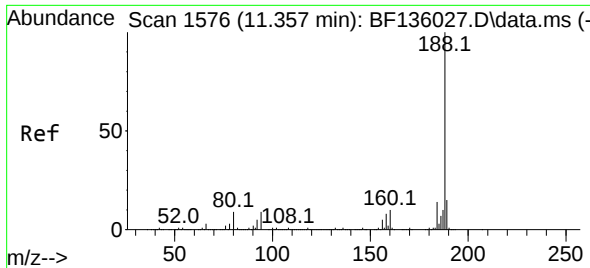
11/08/2023



#58
Fluorene
Concen: 6.287 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

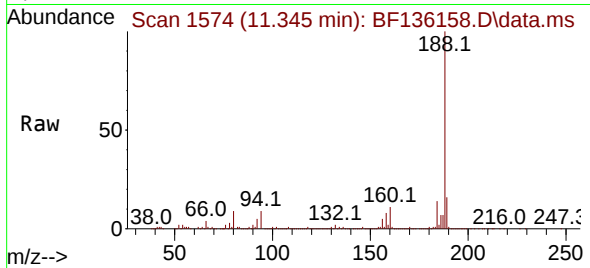
Tgt Ion:166 Resp: 67273
Ion Ratio Lower Upper
166 100
165 97.2 77.7 116.5
167 14.5 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)



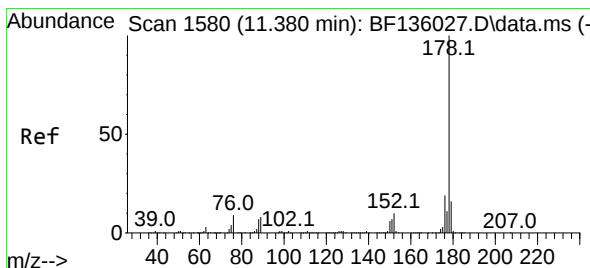
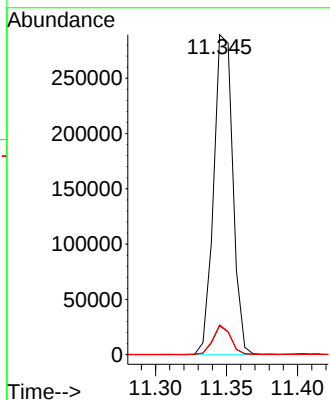
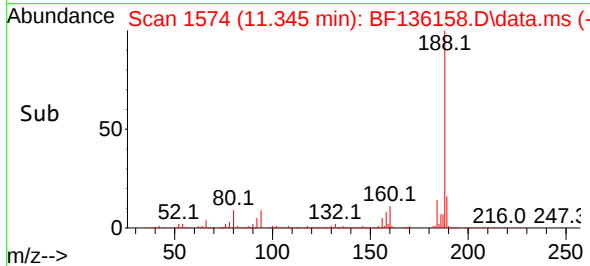
Tgt Ion:188 Resp: 270949
Ion Ratio Lower Upper
188 100
94 9.0 7.2 10.8
80 9.3 7.4 11.0

Manual Integrations
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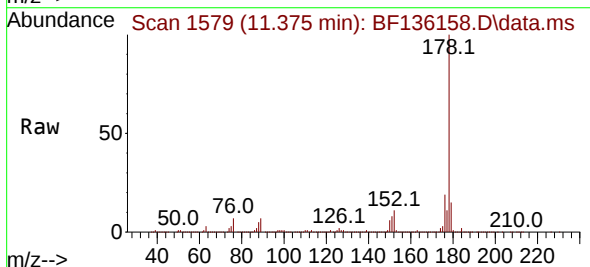
Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

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Supervised By :mohammad
ahmed

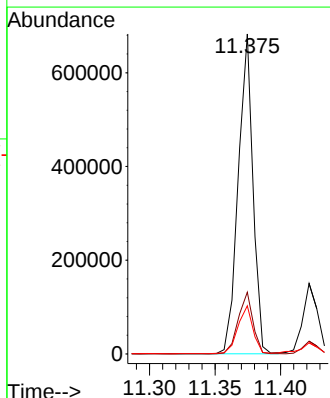
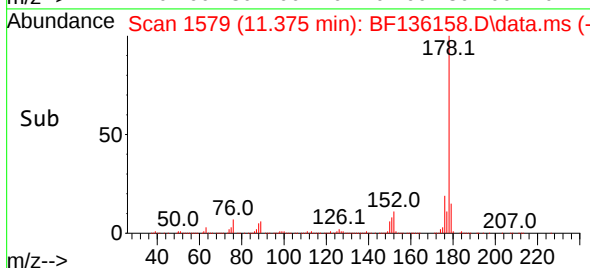
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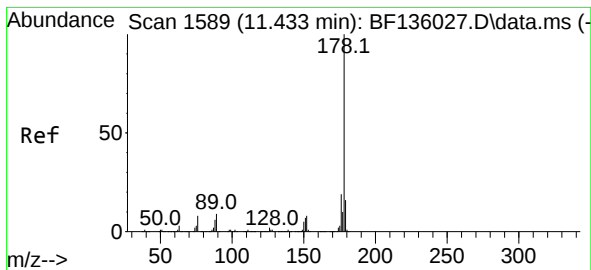


#71
Phenanthrene
Concen: 39.235 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57



Tgt Ion:178 Resp: 535252
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.1 12.9 19.3





#72

Anthracene

Concen: 8.156 ng

RT: 11.422 min Scan# 114010

Delta R.T. -0.006 min

Lab File: BF136158.D

Acq: 06 Nov 2023 16:57

Instrument :

BNA_F

ClientSampleId :

L-1(65FT)(5-10)

Tgt Ion:178 Resp: 114010

Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.4

179 16.0 12.6 18.8

Manual Integrations

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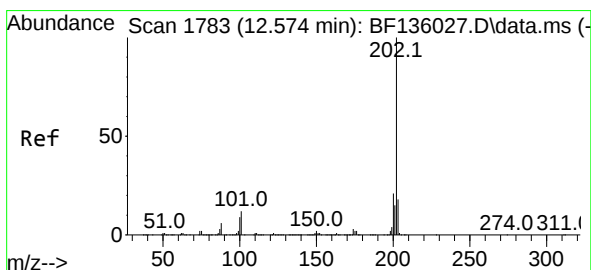
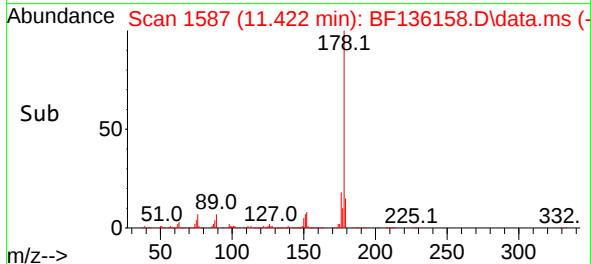
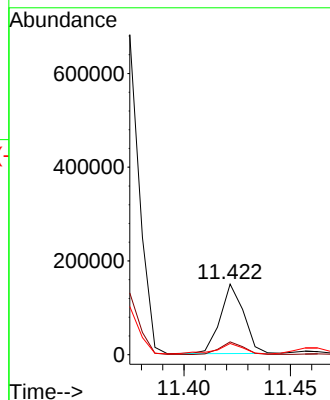
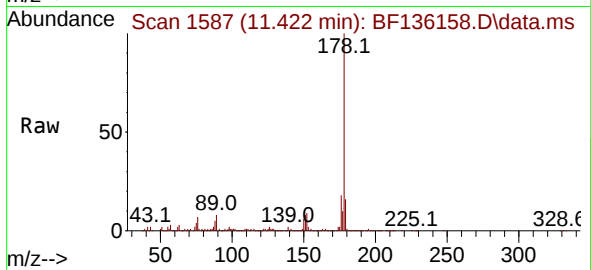
Reviewed By :Yogesh Patel 11/08/2023

Supervised By :mohammad ahmed 11/08/2023

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Supervised By :mohammad
ahmed

11/08/2023



#75

Fluoranthene

Concen: 32.936 ng

RT: 12.569 min Scan# 1782

Delta R.T. 0.000 min

Lab File: BF136158.D

Acq: 06 Nov 2023 16:57

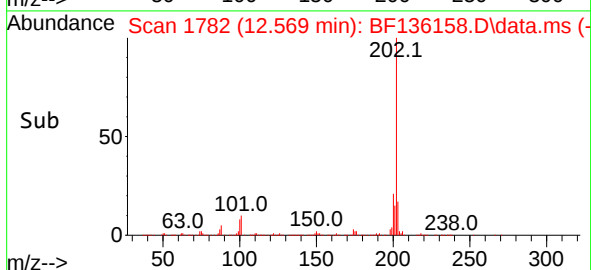
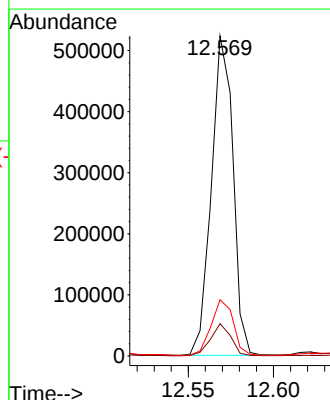
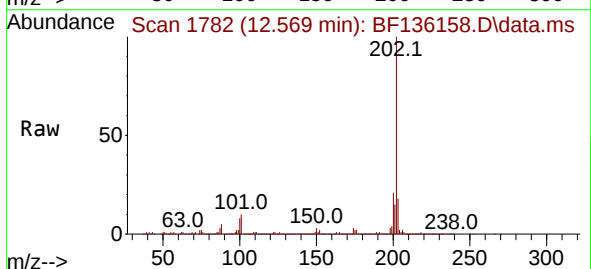
Tgt Ion:202 Resp: 461588

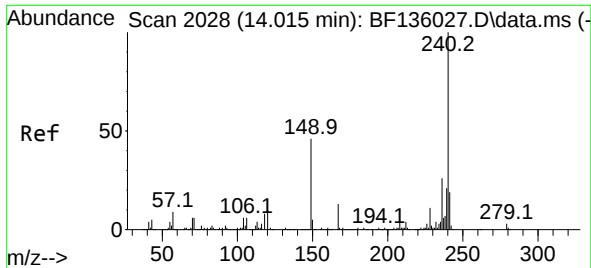
Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.8

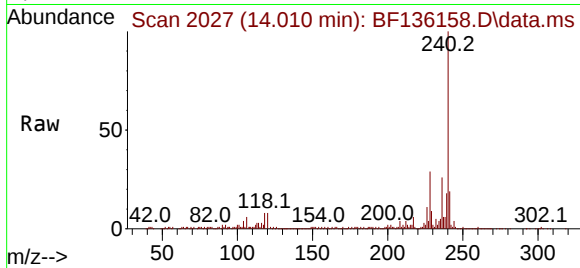
203 17.6 0.0 37.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Instrument :
BNA_F
Client Sample Id :
L-1(65FT)(5-10)



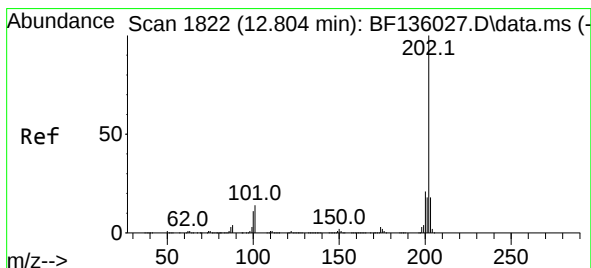
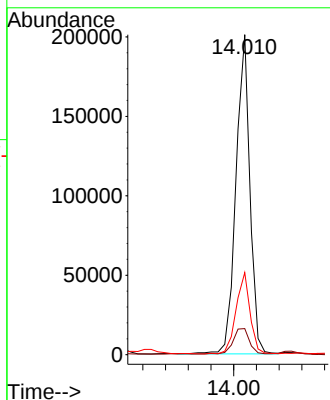
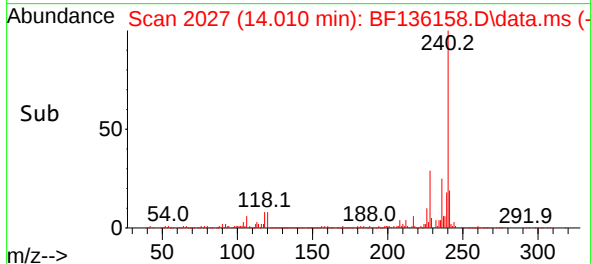
Tgt Ion:240 Resp: 170560
Ion Ratio Lower Upper
240 100
120 8.1 7.6 11.4
236 25.7 20.6 31.0

Manual Integrations
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Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

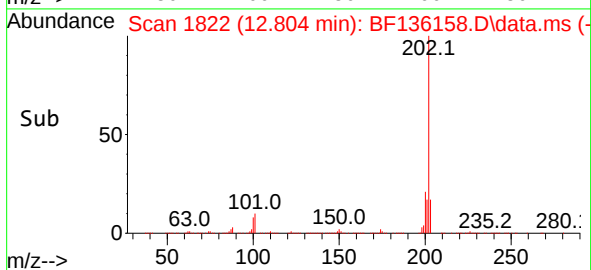
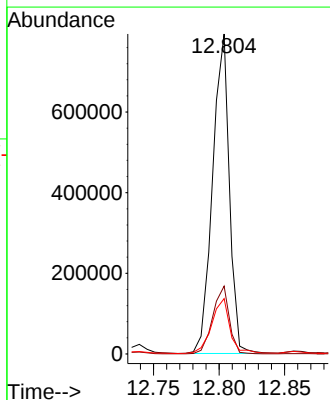
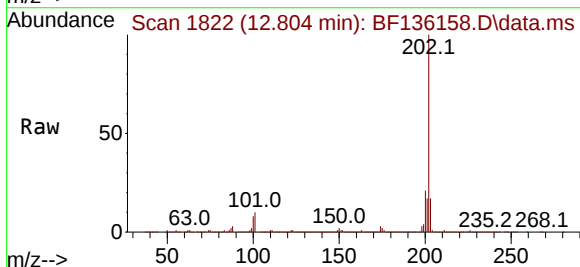
11/08/2023
Supervised By :mohammad
ahmed

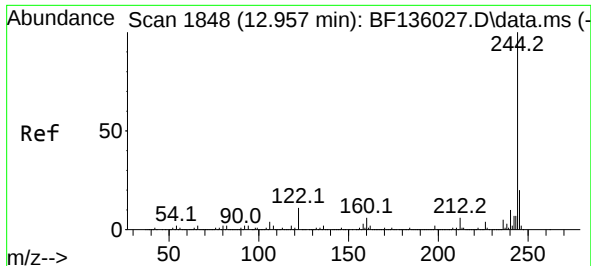
11/08/2023



#78
Pyrene
Concen: 46.803 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

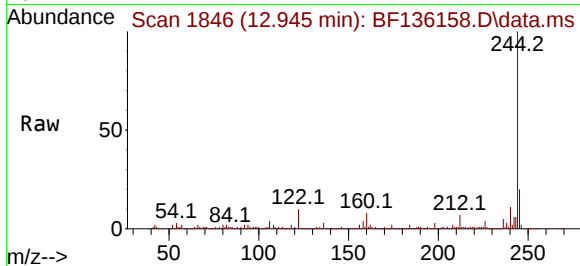
Tgt Ion:202 Resp: 703798
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.3 14.4 21.6





#79
 Terphenyl-d14
 Concen: 27.808 ng
 RT: 12.945 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF136158.D
 Acq: 06 Nov 2023 16:57

Instrument :
 BNA_F
 ClientSampleId :
 L-1(65FT)(5-10)



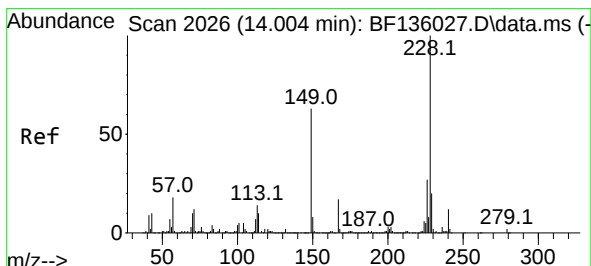
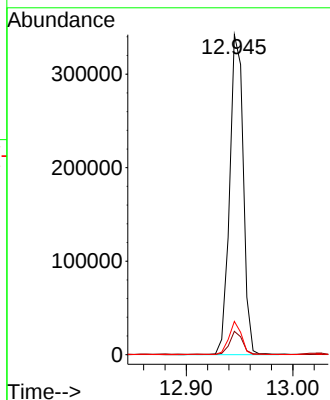
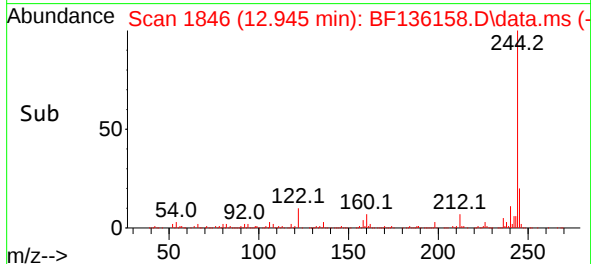
Tgt Ion:244 Resp: 305204
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.1 7.7
 122 10.4 8.6 12.8

Manual Integrations
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Reviewed By :Yogesh Patel 11/08/2023
 Supervised By :mohammad ahmed 11/08/2023

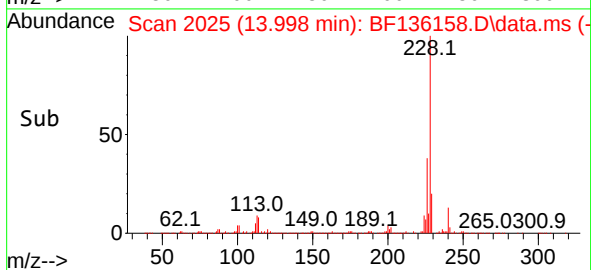
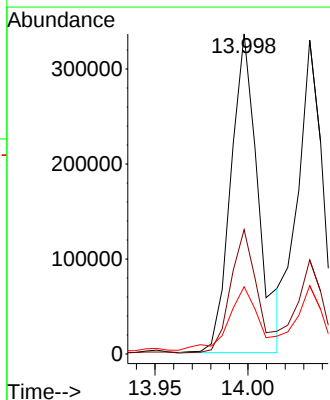
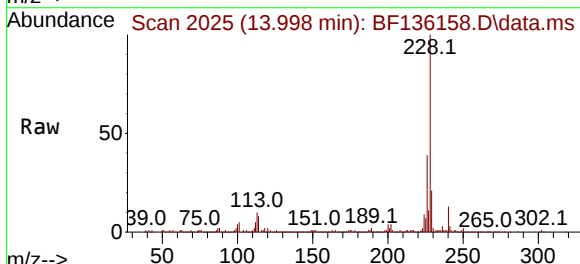
11/08/2023
 Supervised By :mohammad
 ahmed

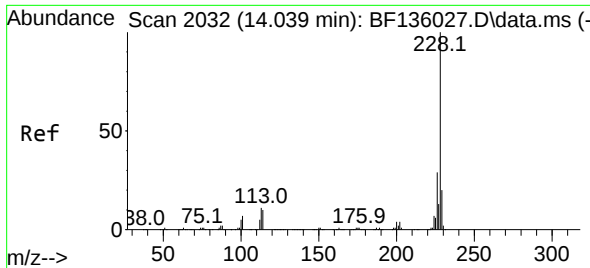
11/08/2023



#81
 Benzo(a)anthracene
 Concen: 30.453 ng m
 RT: 13.998 min Scan# 2025
 Delta R.T. 0.000 min
 Lab File: BF136158.D
 Acq: 06 Nov 2023 16:57

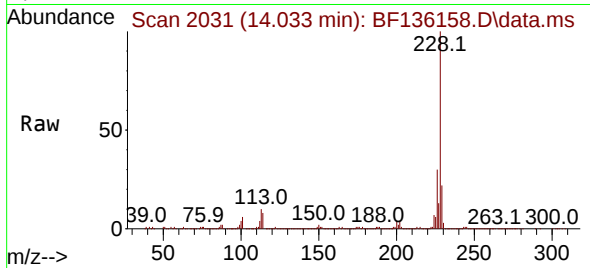
Tgt Ion:228 Resp: 343863
 Ion Ratio Lower Upper
 228 100
 226 38.9 21.5 32.3#
 229 21.0 15.8 23.6





#83
Chrysene
Concen: 27.083 ng
RT: 14.033 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)



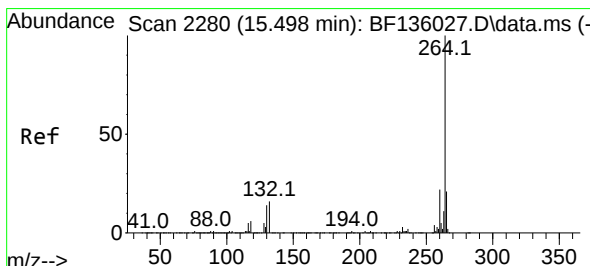
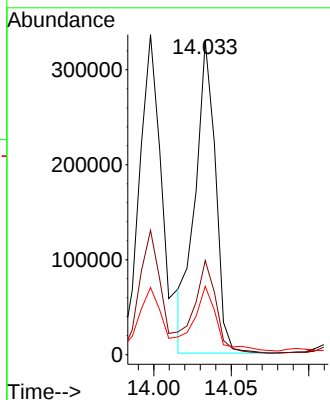
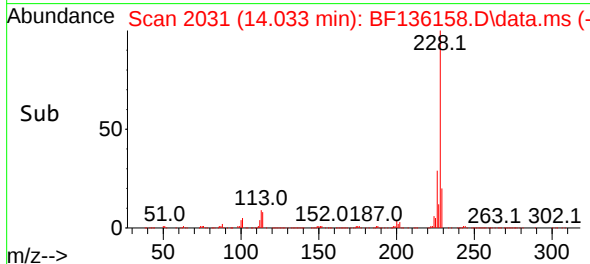
Tgt Ion:228 Resp: 30117
Ion Ratio Lower Upper
228 100
226 30.0 23.5 35.3
229 21.8 16.0 24.0

Manual Integrations
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Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

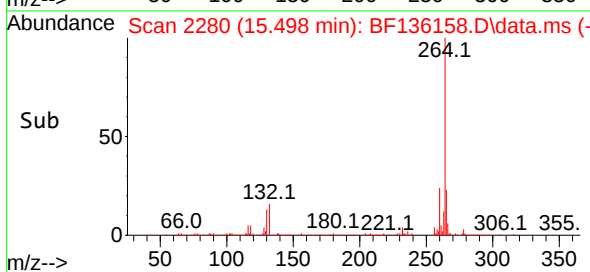
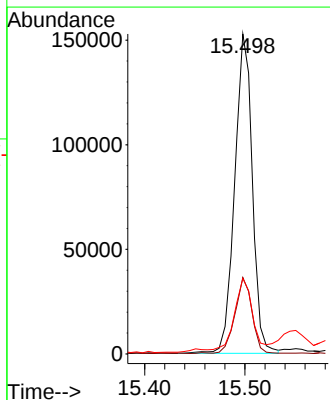
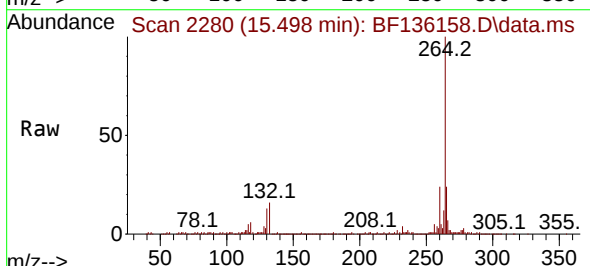
11/08/2023
Supervised By :mohammad
ahmed

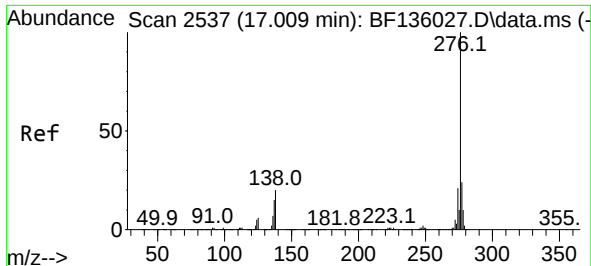
11/08/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

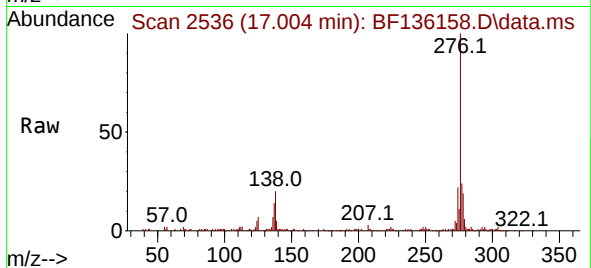
Tgt Ion:264 Resp: 186919
Ion Ratio Lower Upper
264 100
260 23.9 17.9 26.9
265 23.6 16.8 25.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.838 ng
RT: 17.004 min Scan# 2537
Delta R.T. -0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)



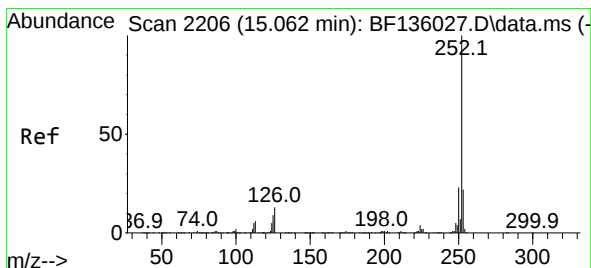
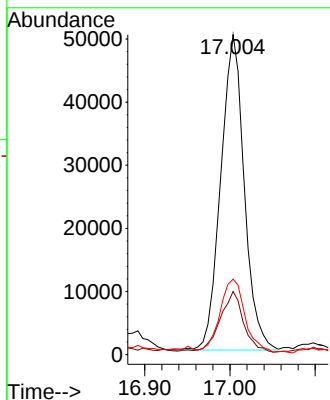
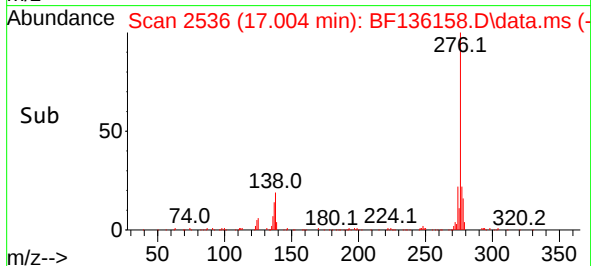
Tgt Ion:276 Resp: 9575
Ion Ratio Lower Upper
276 100
138 19.5 20.4 30.6
277 25.3 20.2 30.2

Manual Integrations
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Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

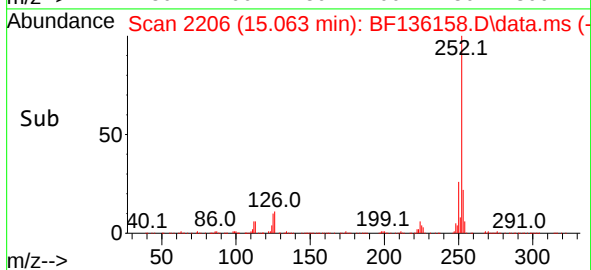
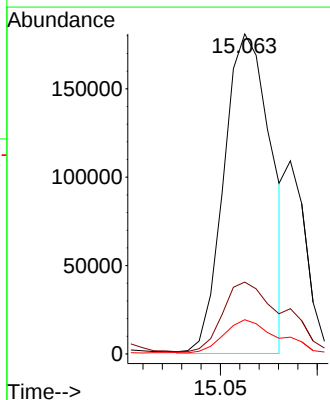
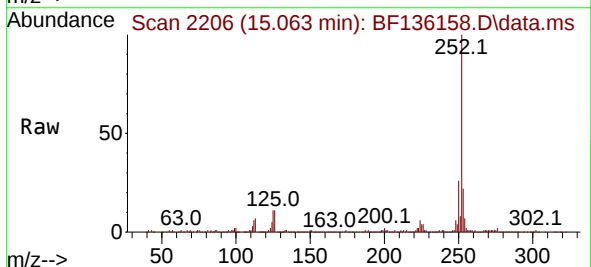
11/08/2023
Supervised By :mohammad
ahmed

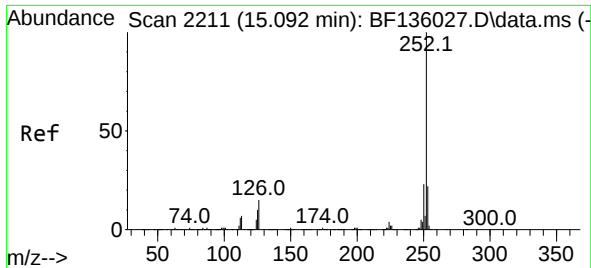
11/08/2023



#88
Benzo(b)fluoranthene
Concen: 27.638 ng m
RT: 15.063 min Scan# 2206
Delta R.T. 0.006 min
Lab File: BF136158.D
Acq: 06 Nov 2023 16:57

Tgt Ion:252 Resp: 305689
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 10.7 7.5 11.3





#89

Benzo(k)fluoranthene

Concen: 7.728 ng m

RT: 15.086 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136158.D

Acq: 06 Nov 2023 16:57

Instrument :

BNA_F

ClientSampleId :

L-1(65FT)(5-10)

Tgt Ion:252 Resp: 8457
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.4 26.0
 125 8.7 8.0 12.0

Manual Integrations

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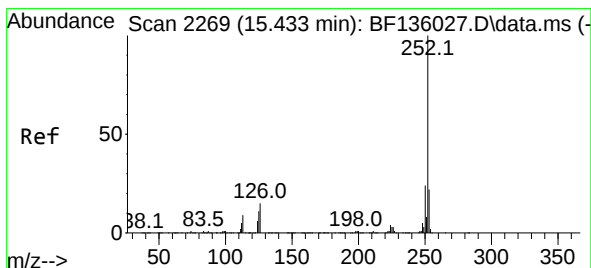
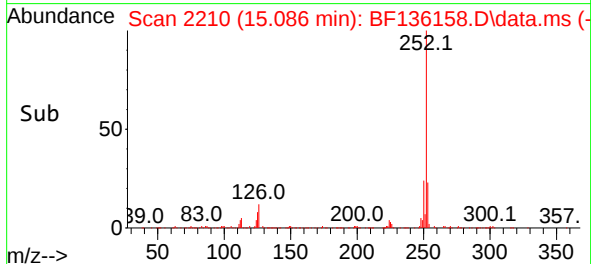
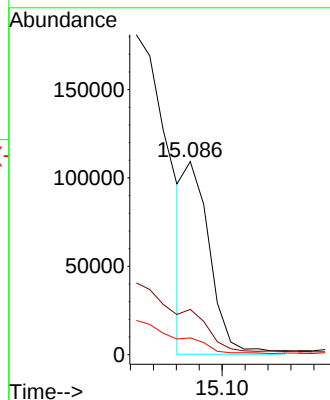
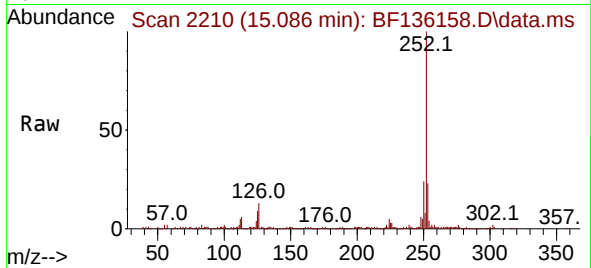
Reviewed By :Yogesh Patel 11/08/2023

Supervised By :mohammad ahmed 11/08/2023

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Supervised By :mohammad
ahmed

11/08/2023



#90

Benzo(a)pyrene

Concen: 27.991 ng

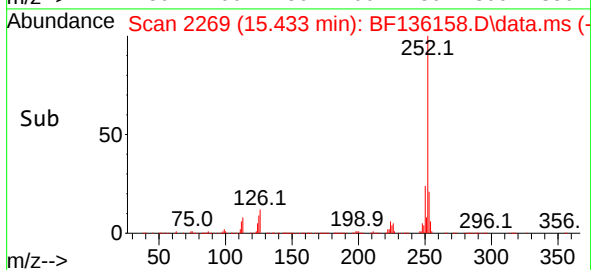
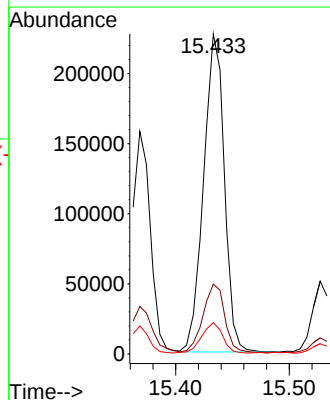
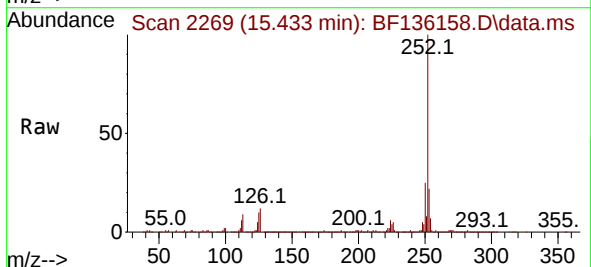
RT: 15.433 min Scan# 2269

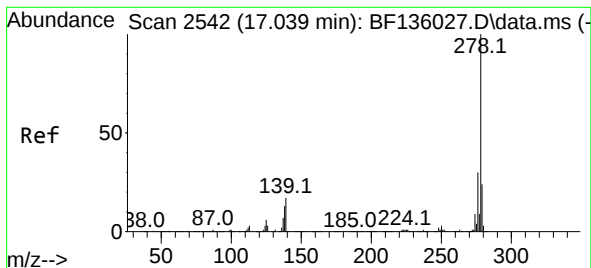
Delta R.T. 0.000 min

Lab File: BF136158.D

Acq: 06 Nov 2023 16:57

Tgt Ion:252 Resp: 287656
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.3 25.9
 125 9.8 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 3.065 ng m

RT: 17.015 min Scan# 2542

Delta R.T. -0.023 min

Lab File: BF136158.D

Acq: 06 Nov 2023 16:57

Instrument :

BNA_F

ClientSampleId :

L-1(65FT)(5-10)

Tgt Ion:278 Resp: 30670

Ion Ratio Lower Upper

278 100

139 12.0 13.7 20.5

279 25.3 19.0 28.6

Manual Integrations

APPROVED

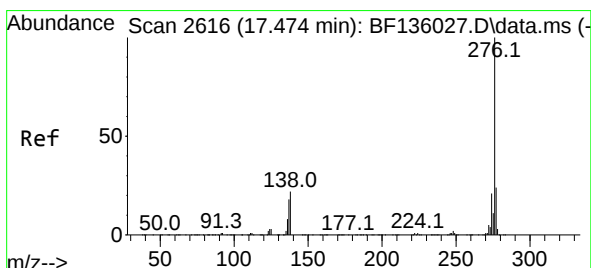
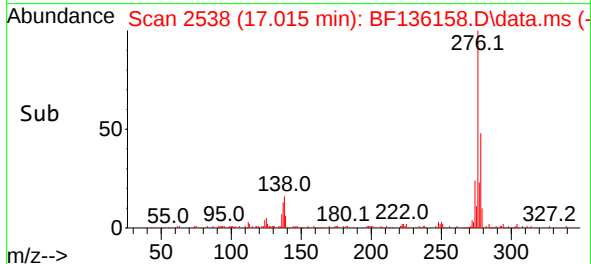
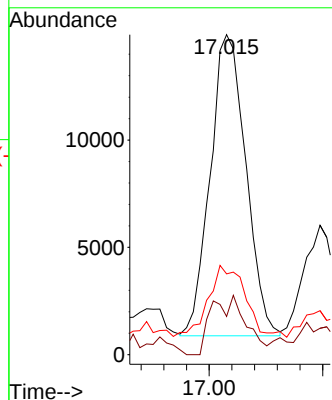
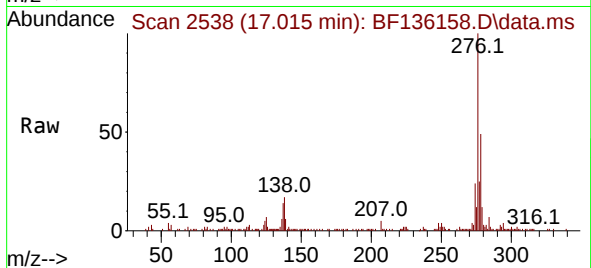
Reviewed By :Yogesh Patel 11/08/2023

Supervised By :mohammad ahmed 11/08/2023

11/08/2023

Supervised By :mohammad
ahmed

11/08/2023



#92

Benzo(g,h,i)perylene

Concen: 11.144 ng m

RT: 17.462 min Scan# 2614

Delta R.T. -0.012 min

Lab File: BF136158.D

Acq: 06 Nov 2023 16:57

Tgt Ion:276 Resp: 100009

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 16.4 17.4 26.2#

