

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
 Data File : BF136078.D
 Acq On : 01 Nov 2023 15:56
 Operator : CG\JU
 Sample : 04805-04DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H-1(0-5)DL

Quant Time: Nov 01 22:40:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	129429	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	499235	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	245474	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	384227	20.000	ng	0.00
76) Chrysene-d12	14.010	240	257093	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	282147	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	90520	10.990	ng	-0.01
7) Phenol-d6	6.445	99	115063	11.212	ng	-0.01
23) Nitrobenzene-d5	7.375	82	61067	7.374	ng	-0.02
42) 2,4,6-Tribromophenol	10.651	330	23683	9.039	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	113564	7.375	ng	0.00
79) Terphenyl-d14	12.951	244	88003	5.319	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	54022	2.244	ng	98
38) 1-Methylnaphthalene	8.916	142	31877	2.122	ng	99
49) Acenaphthylene	9.722	152	94415	4.387	ng	99
58) Fluorene	10.410	166	43787	2.932	ng	99
71) Phenanthrene	11.380	178	457868	23.667	ng	98
72) Anthracene	11.427	178	187665	9.467	ng	99
75) Fluoranthene	12.574	202	540532	27.198	ng	99
78) Pyrene	12.804	202	602008	26.559	ng	99
81) Benzo(a)anthracene	14.004	228	290912m	17.092	ng	
83) Chrysene	14.039	228	277085	16.531	ng	99
87) Indeno(1,2,3-cd)pyrene	17.009	276	98174	5.324	ng	95
88) Benzo(b)fluoranthene	15.063	252	314284m	18.825	ng	
89) Benzo(k)fluoranthene	15.092	252	79909m	4.837	ng	
90) Benzo(a)pyrene	15.439	252	251239	16.196	ng	98
92) Benzo(g,h,i)perylene	17.468	276	89435	7.782	ng	98

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

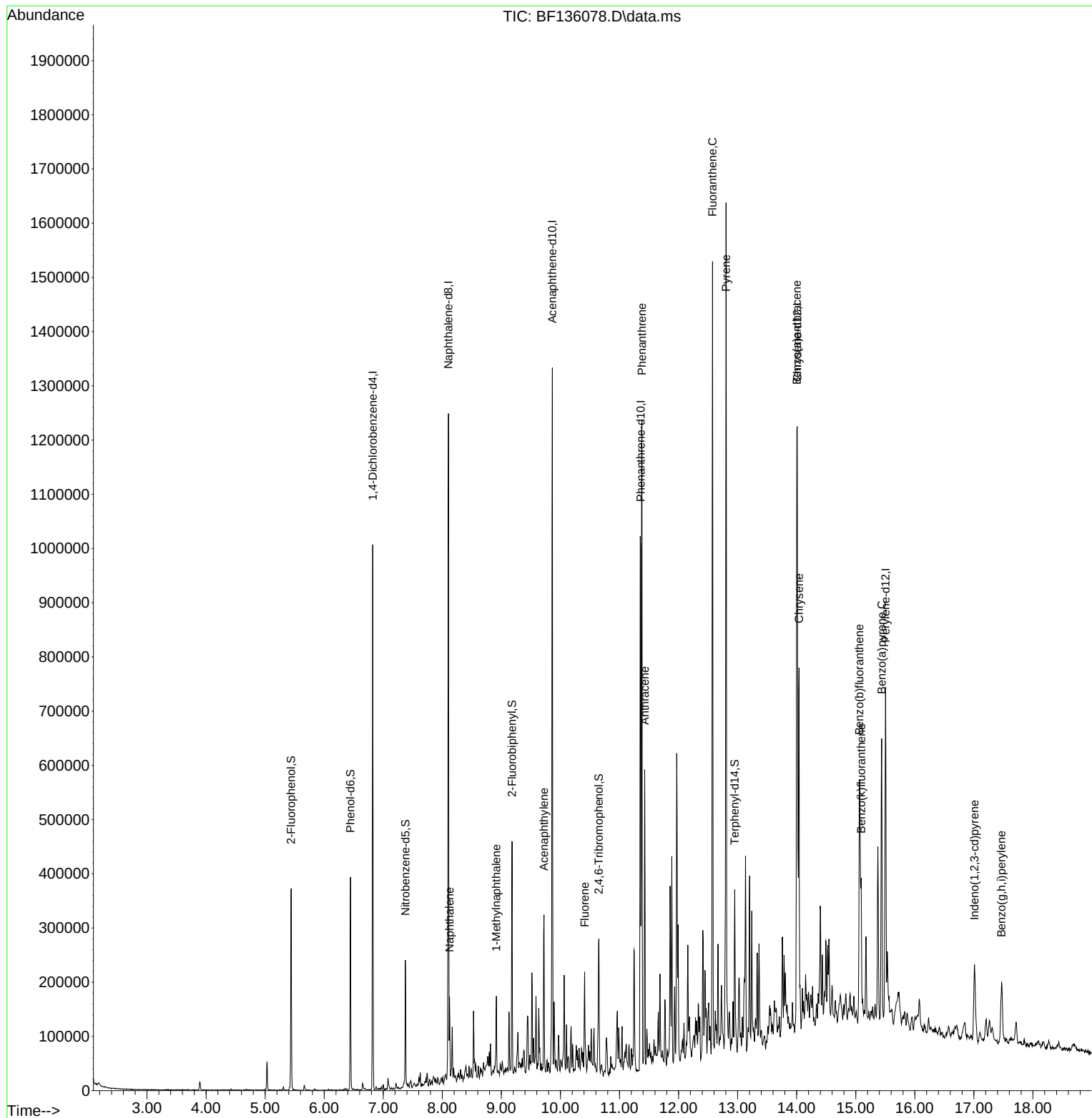
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136078.D
Acq On : 01 Nov 2023 15:56
Operator : CG\JU
Sample : 04805-04DL 10X
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ALS Vial : 12 Sample Multiplier: 1

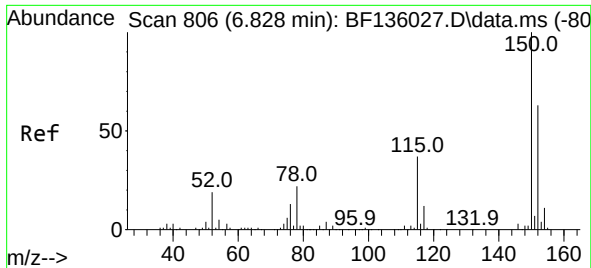
Instrument :
BNA_F
ClientSampleId :
H-1(0-5)DL

Quant Time: Nov 01 22:40:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
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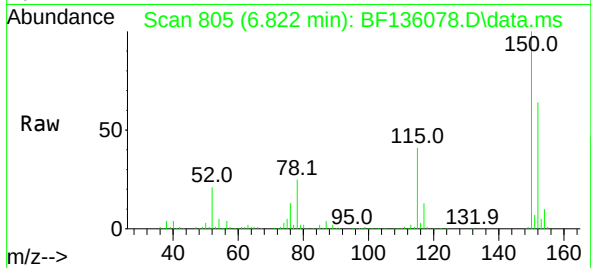
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

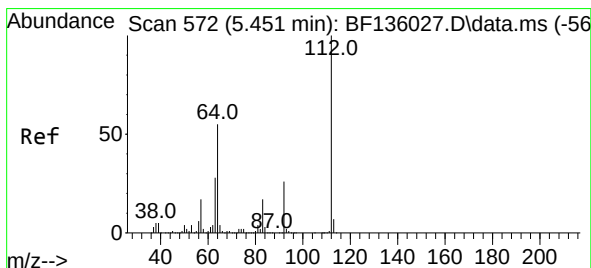
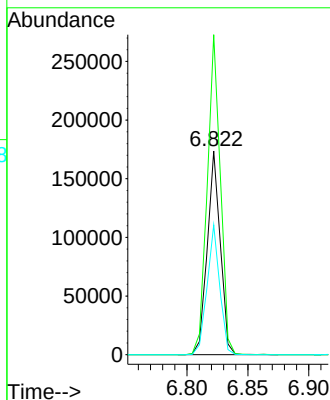
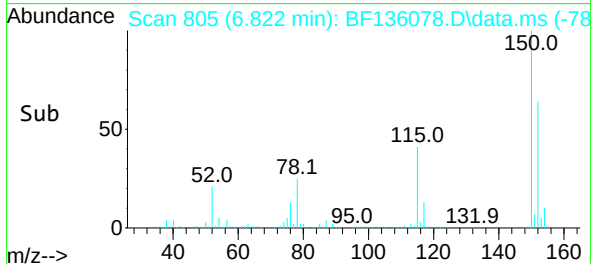
Instrument :
BNA_F
ClientSampleId :
H-1(0-5)DL



Tgt Ion:152 Resp: 129429
Ion Ratio Lower Upper
152 100
150 157.1 126.4 189.6
115 63.7 47.0 70.4

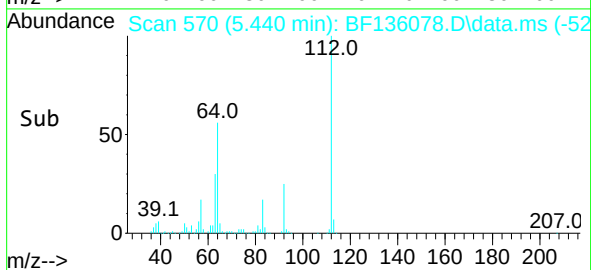
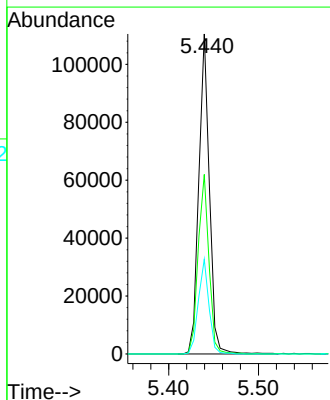
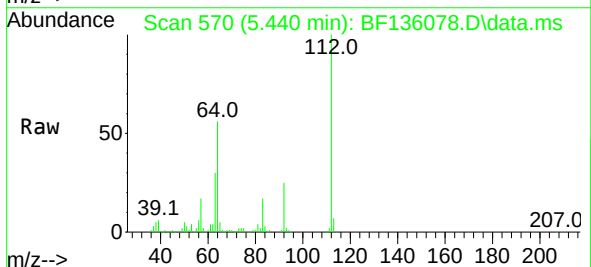
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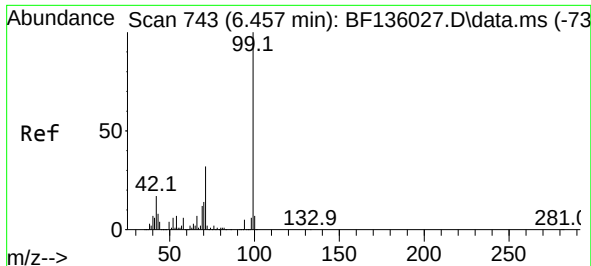
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#5
2-Fluorophenol
Concen: 10.990 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.012 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

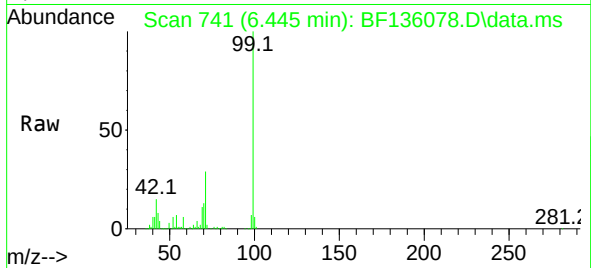
Tgt Ion:112 Resp: 90520
Ion Ratio Lower Upper
112 100
64 56.1 43.9 65.9
63 29.6 22.4 33.6





#7
Phenol-d6
Concen: 11.212 ng
RT: 6.445 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

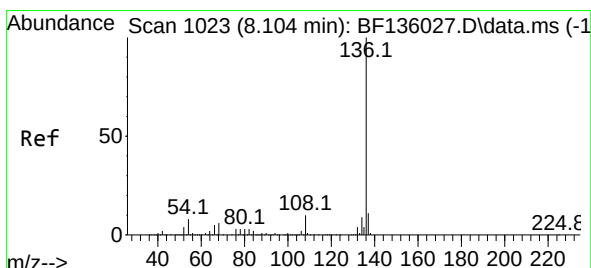
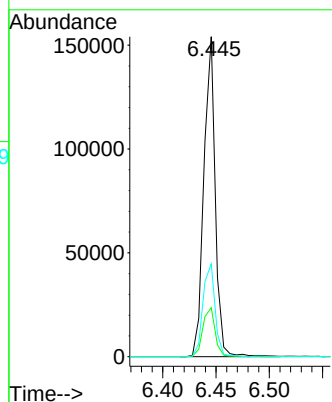
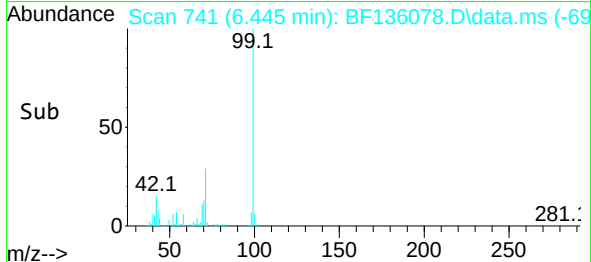
Instrument :
BNA_F
ClientSampleId :
H-1(0-5)DL



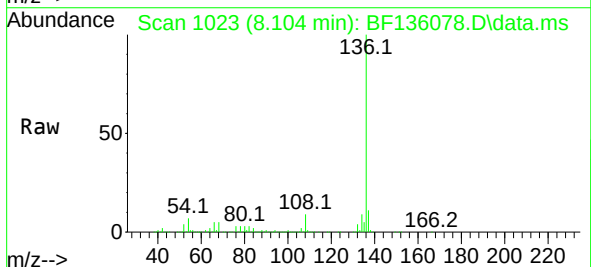
Tgt Ion: 99 Resp: 115063
Ion Ratio Lower Upper
99 100
42 15.3 13.7 20.5
71 29.0 25.9 38.9

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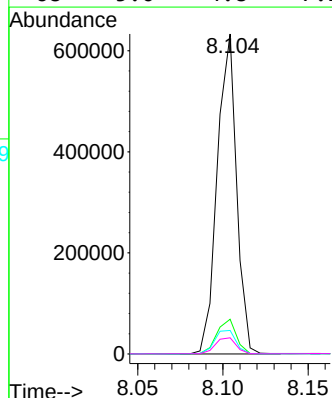
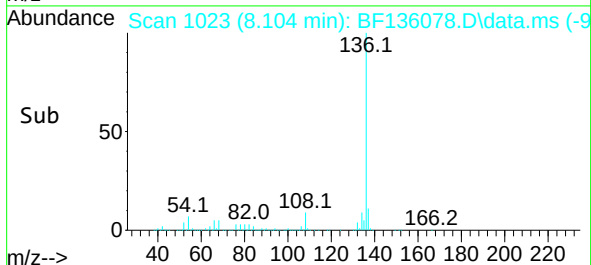
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023

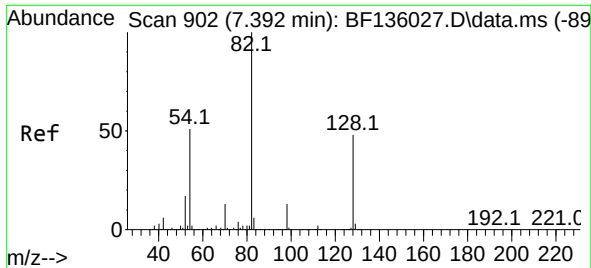


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56



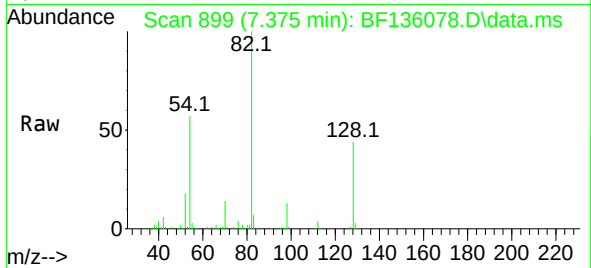
Tgt Ion:136 Resp: 499235
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.3 6.6 9.8
68 5.0 4.8 7.2





#23
Nitrobenzene-d5
Concen: 7.374 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.017 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

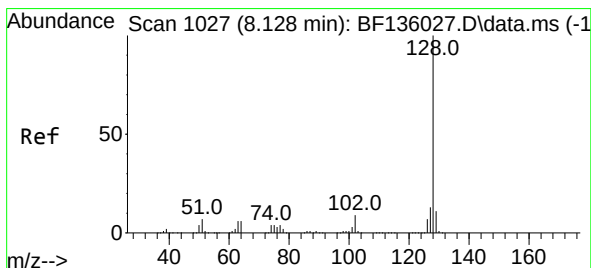
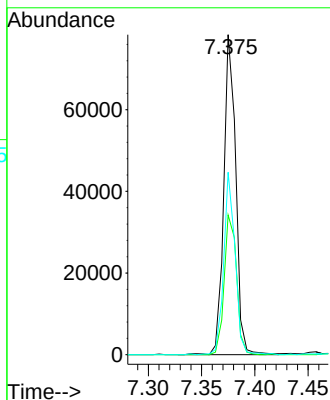
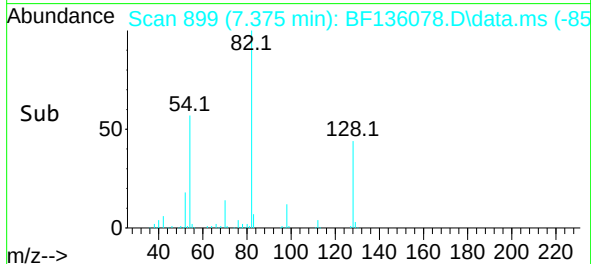
Instrument :
BNA_F
ClientSampleId :
H-1(0-5)DL



Tgt Ion: 82 Resp: 6106
Ion Ratio Lower Upper
82 100
128 43.6 38.6 57.8
54 57.0 40.8 61.2

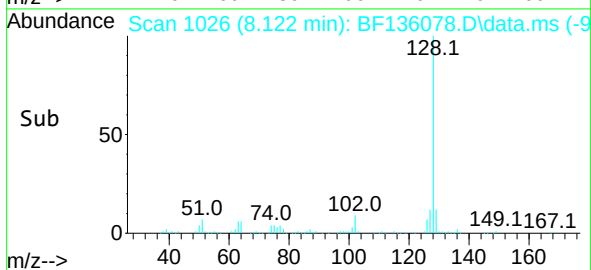
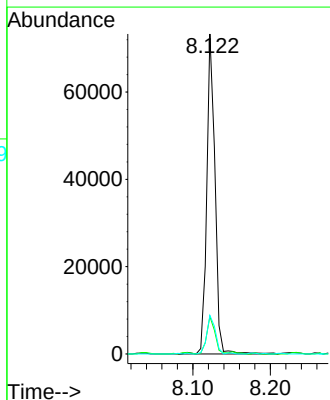
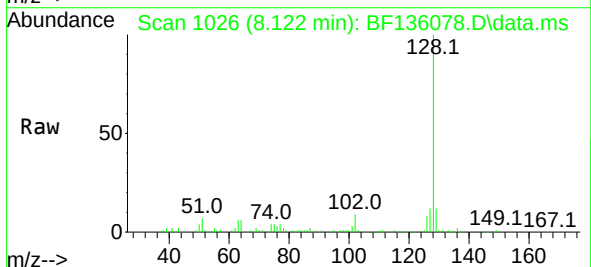
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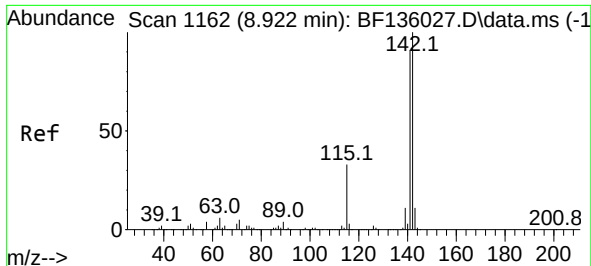
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#31
Naphthalene
Concen: 2.244 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

Tgt Ion:128 Resp: 54022
Ion Ratio Lower Upper
128 100
129 11.7 8.9 13.3
127 12.1 10.5 15.7





#38

1-Methylnaphthalene

Concen: 2.122 ng

RT: 8.916 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

Instrument :

BNA_F

ClientSampleId :

H-1(0-5)DL

Tgt Ion:142 Resp: 3187

Ion Ratio Lower Upper

142 100

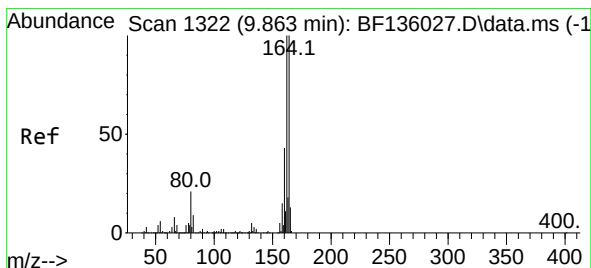
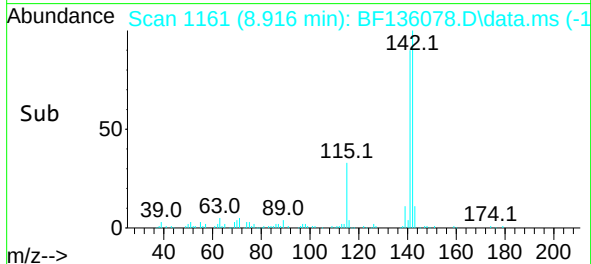
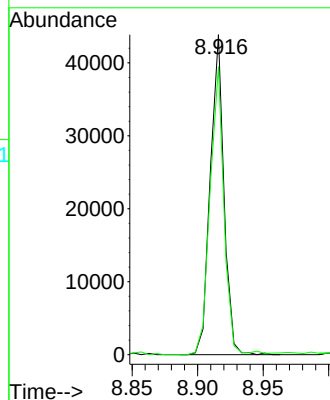
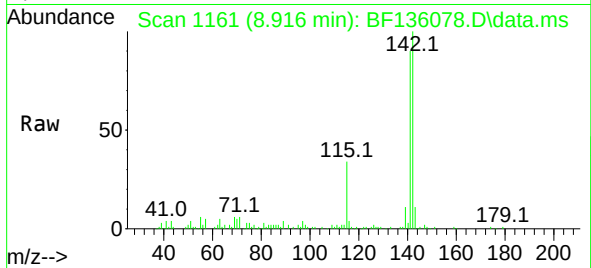
141 90.0 72.6 109.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

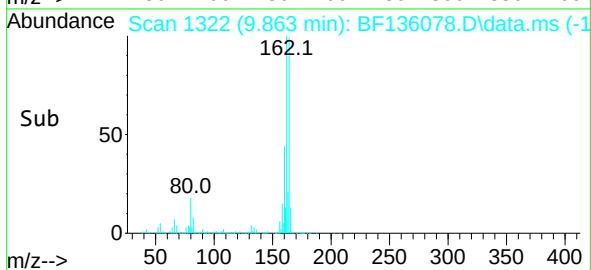
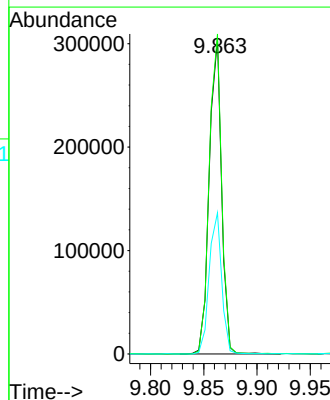
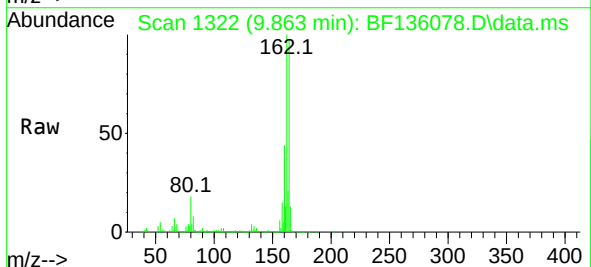
Tgt Ion:164 Resp: 245474

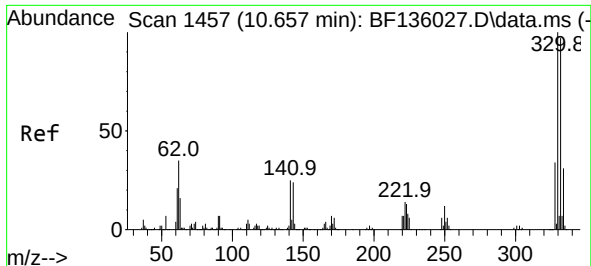
Ion Ratio Lower Upper

164 100

162 101.6 80.1 120.1

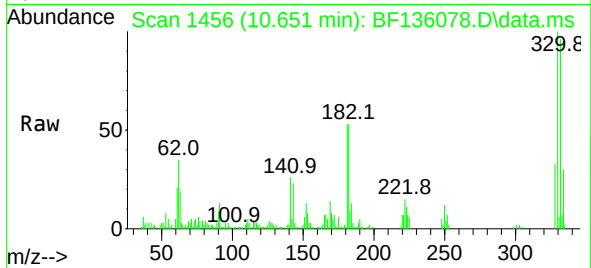
160 44.8 34.8 52.2





#42
 2,4,6-Tribromophenol
 Concen: 9.039 ng
 RT: 10.651 min Scan# 1457
 Delta R.T. -0.006 min
 Lab File: BF136078.D
 Acq: 01 Nov 2023 15:56

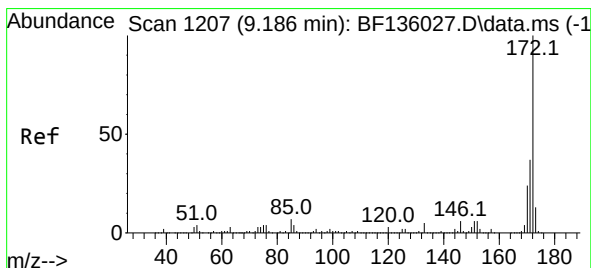
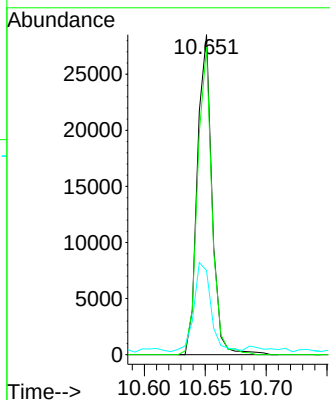
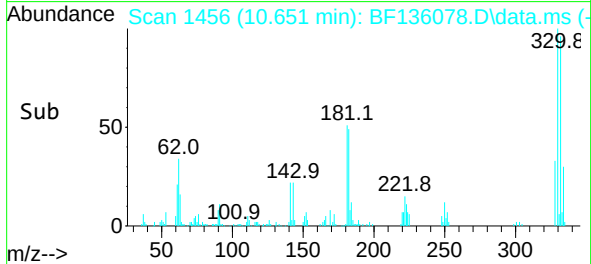
Instrument :
 BNA_F
 ClientSampleId :
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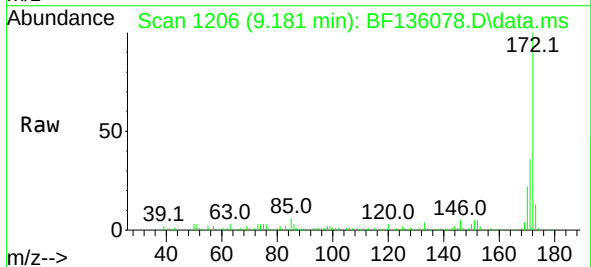
Tgt Ion: 330 Resp: 2368
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.9 115.3
 141 32.7 23.2 34.8

Manual Integrations
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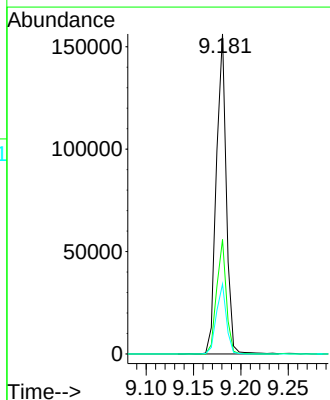
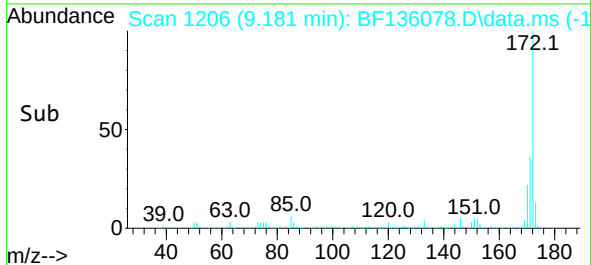
Reviewed By : Yogesh Patel 11/02/2023
 Supervised By : mohammad ahmed 11/02/2023

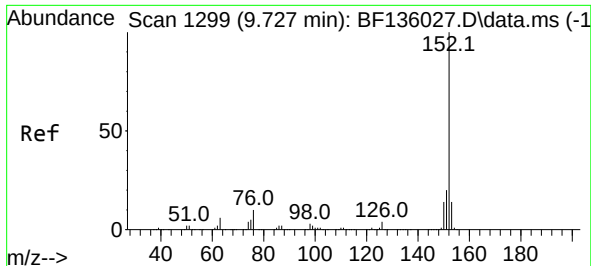


#45
 2-Fluorobiphenyl
 Concen: 7.375 ng
 RT: 9.181 min Scan# 1206
 Delta R.T. -0.006 min
 Lab File: BF136078.D
 Acq: 01 Nov 2023 15:56



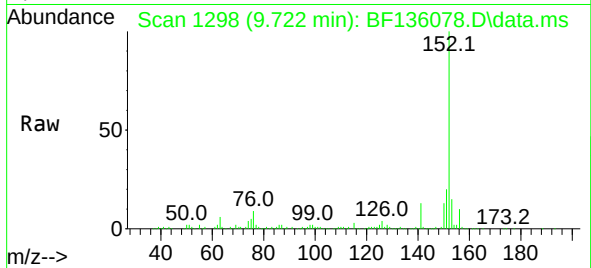
Tgt Ion: 172 Resp: 113564
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.0
 170 21.8 19.3 28.9





#49
Acenaphthylene
Concen: 4.387 ng
RT: 9.722 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

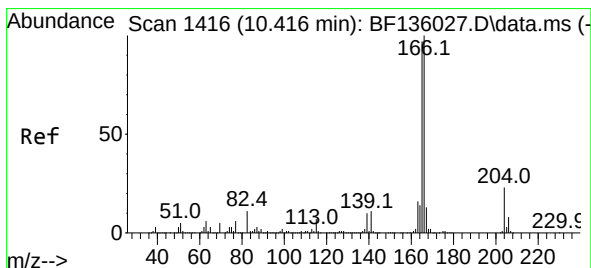
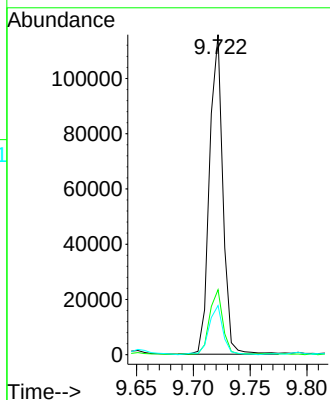
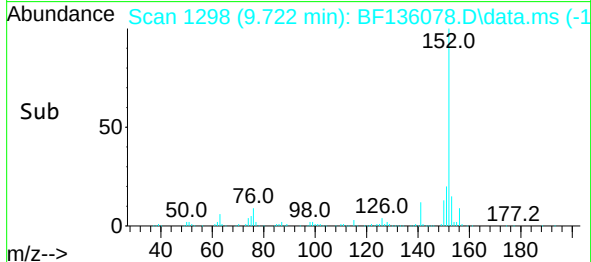
Instrument :
BNA_F
ClientSampleId :
H-1(0-5)DL



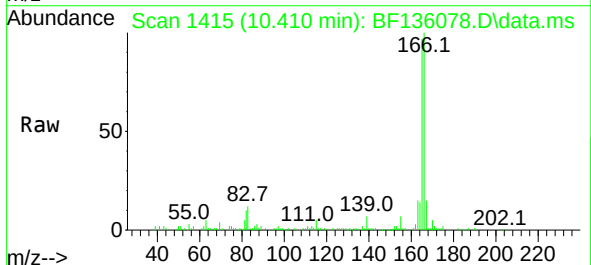
Tgt Ion:152 Resp: 94415
Ion Ratio Lower Upper
152 100
151 20.3 16.1 24.1
153 15.3 11.4 17.2

Manual Integrations
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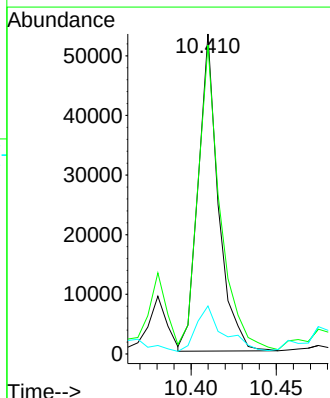
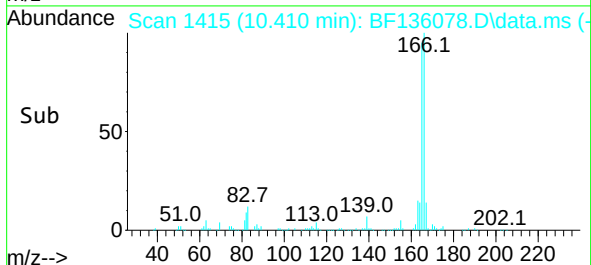
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023

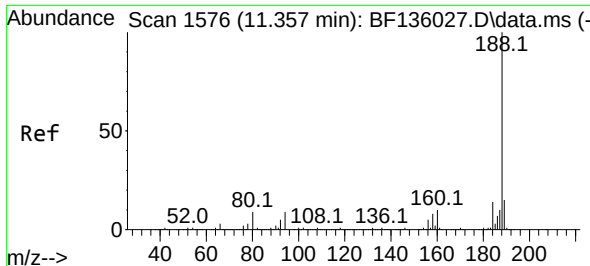


#58
Fluorene
Concen: 2.932 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56



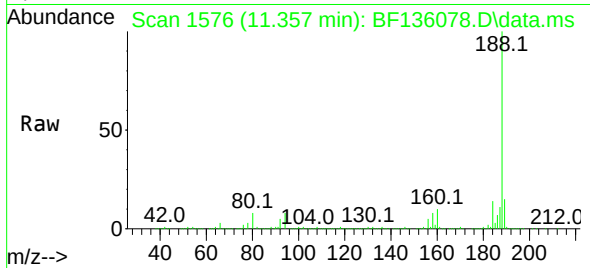
Tgt Ion:166 Resp: 43787
Ion Ratio Lower Upper
166 100
165 96.6 77.7 116.5
167 15.0 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

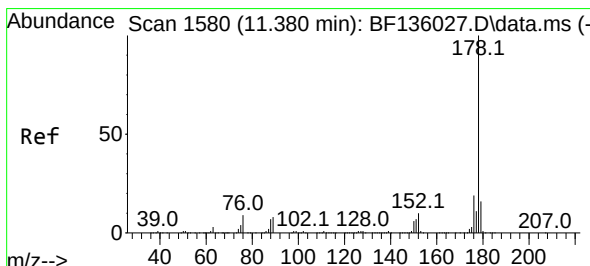
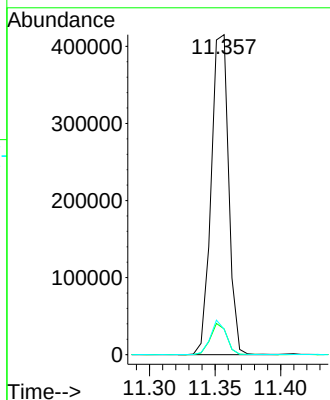
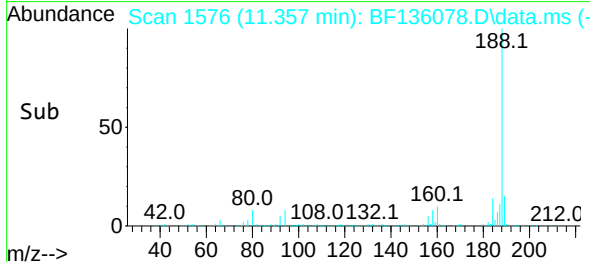
Instrument :
BNA_F
ClientSampleId :
H-1(0-5)DL



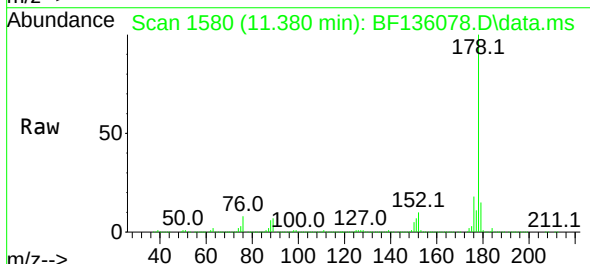
Tgt Ion:188 Resp: 384227
Ion Ratio Lower Upper
188 100
94 8.0 7.2 10.8
80 7.9 7.4 11.0

Manual Integrations
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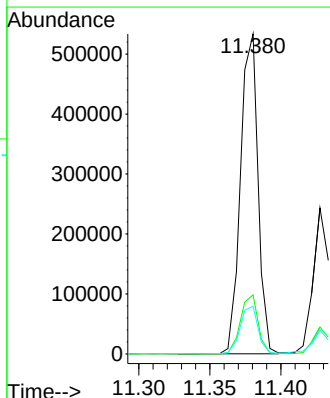
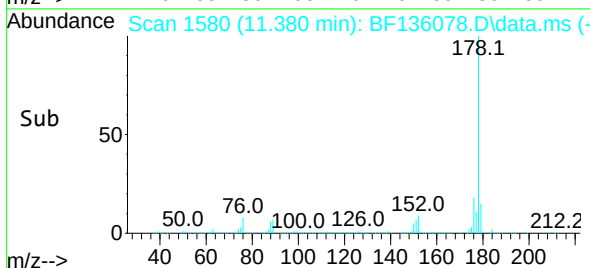
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023

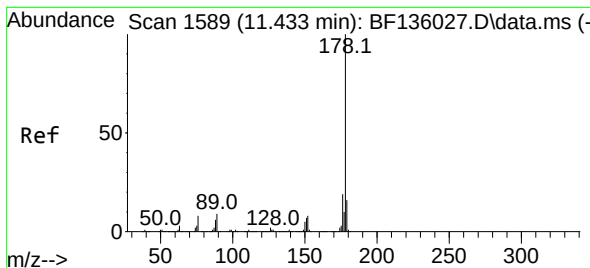


#71
Phenanthrene
Concen: 23.667 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56



Tgt Ion:178 Resp: 457868
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 14.9 12.9 19.3





#72

Anthracene

Concen: 9.467 ng

RT: 11.427 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

Instrument :

BNA_F

ClientSampleId :

H-1(0-5)DL

Tgt Ion:178 Resp: 18766

Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

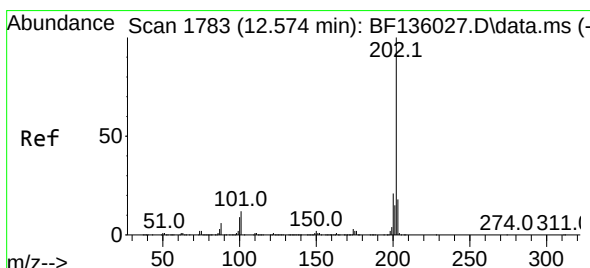
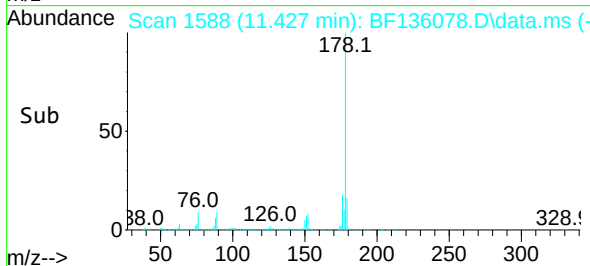
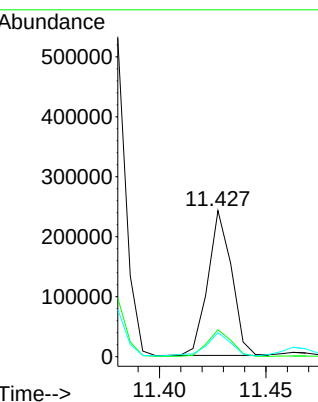
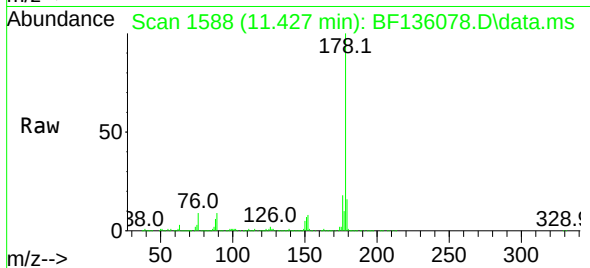
179 16.5 12.6 18.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#75

Fluoranthene

Concen: 27.198 ng

RT: 12.574 min Scan# 1783

Delta R.T. 0.000 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

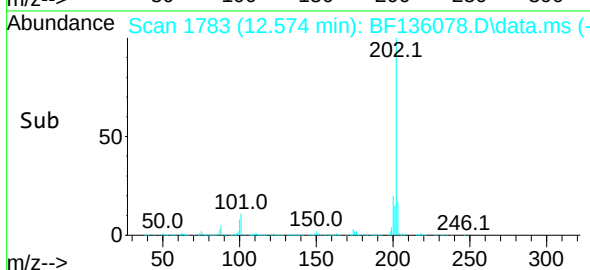
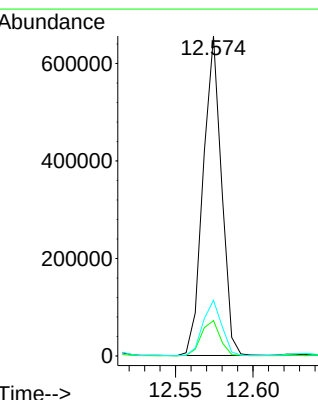
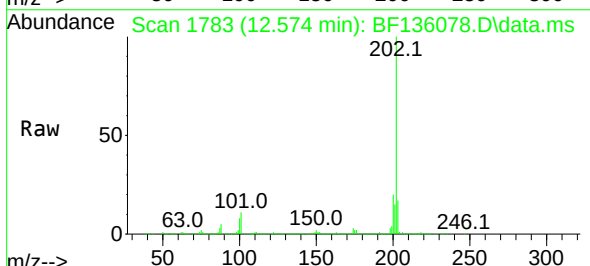
Tgt Ion:202 Resp: 540532

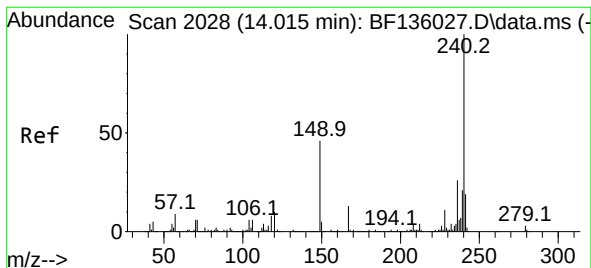
Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.8

203 17.4 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

Instrument :

BNA_F

ClientSampleId :

H-1(0-5)DL

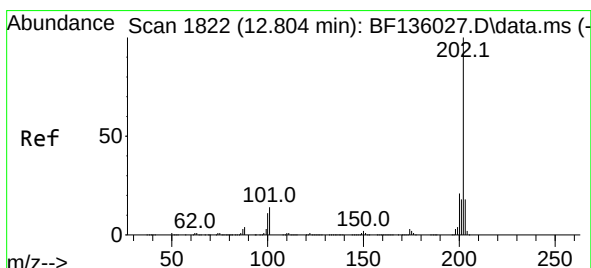
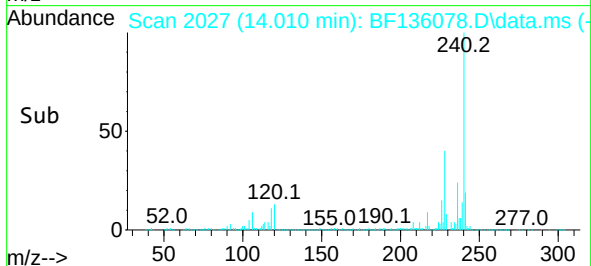
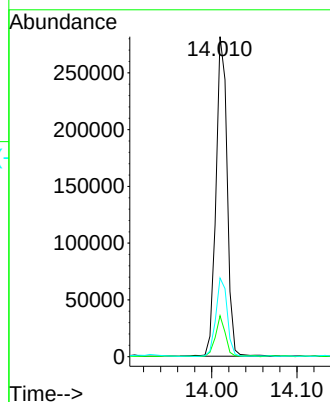
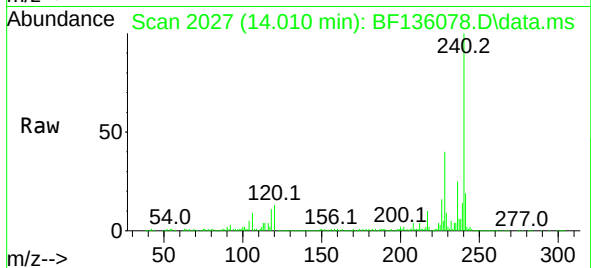
Tgt Ion:240 Resp: 257093
 Ion Ratio Lower Upper
 240 100
 120 12.8 7.6 11.4
 236 24.6 20.6 31.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#78

Pyrene

Concen: 26.559 ng

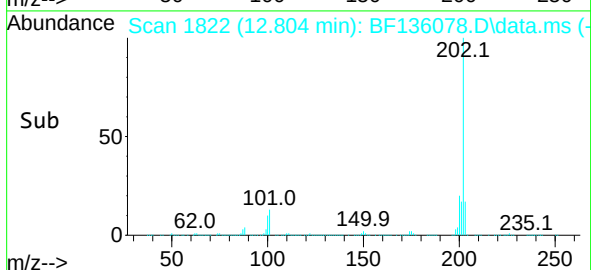
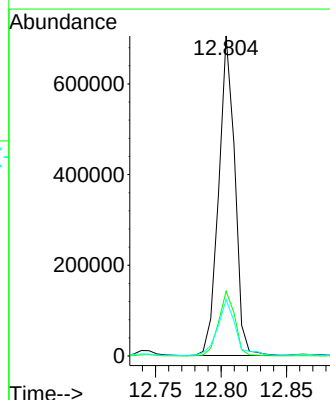
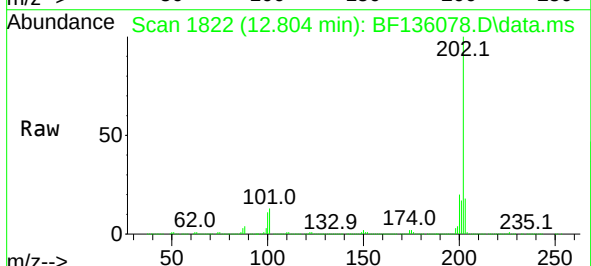
RT: 12.804 min Scan# 1822

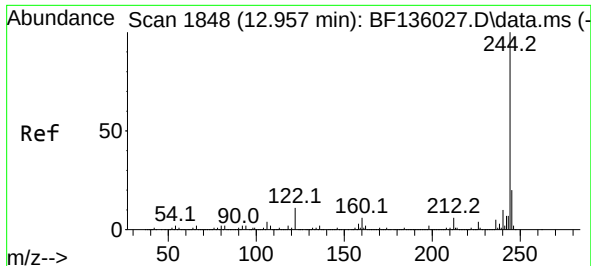
Delta R.T. 0.000 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

Tgt Ion:202 Resp: 602008
 Ion Ratio Lower Upper
 202 100
 200 20.3 17.0 25.4
 203 17.6 14.4 21.6





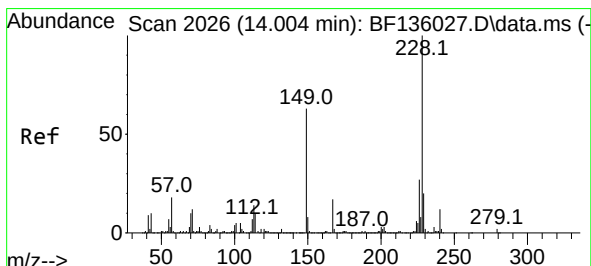
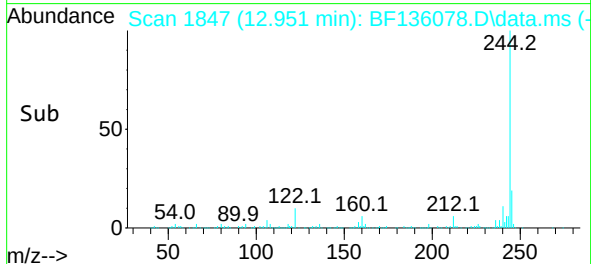
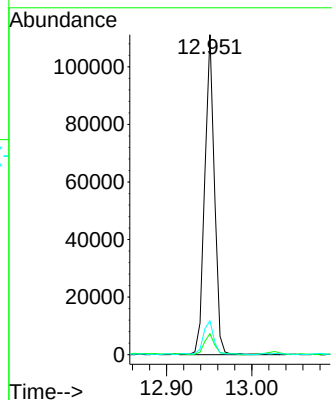
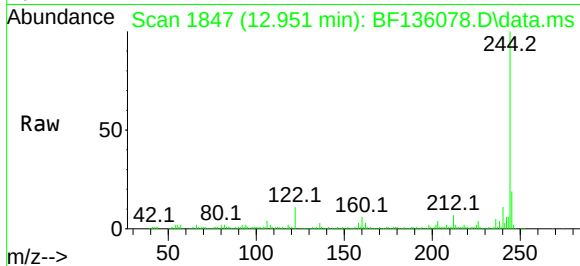
#79
Terphenyl-d14
Concen: 5.319 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

Instrument :
BNA_F
ClientSampleId :
H-1(0-5)DL

Tgt Ion:244 Resp: 88000
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 10.6 8.6 12.8

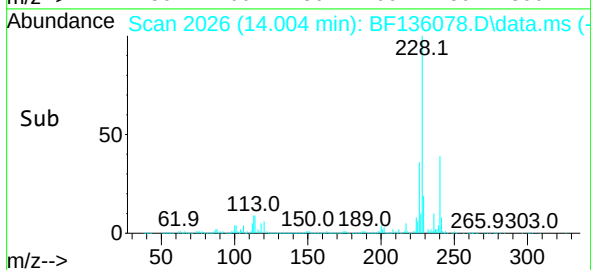
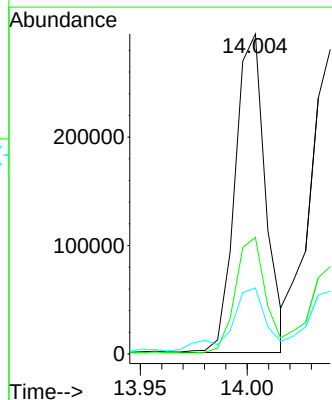
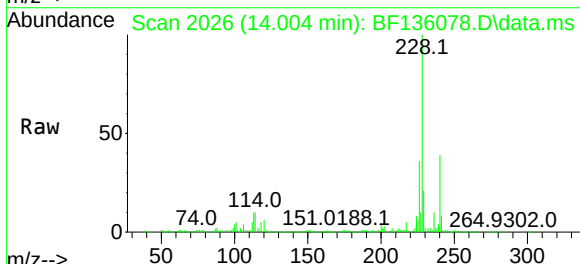
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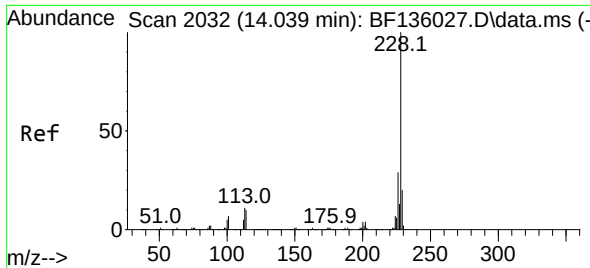
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#81
Benzo(a)anthracene
Concen: 17.092 ng m
RT: 14.004 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

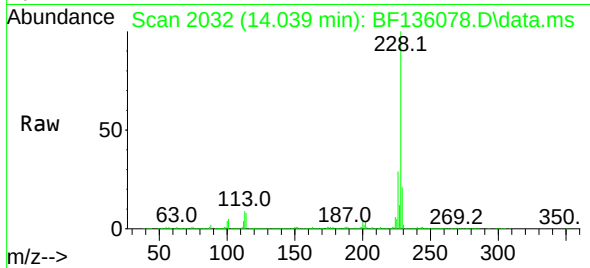
Tgt Ion:228 Resp: 290912
Ion Ratio Lower Upper
228 100
226 36.5 21.5 32.3#
229 20.7 15.8 23.6





#83
Chrysene
Concen: 16.531 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

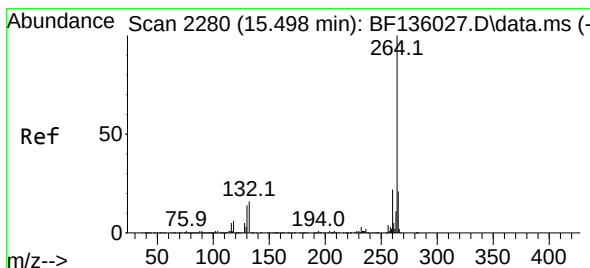
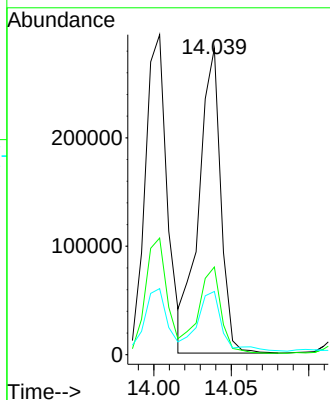
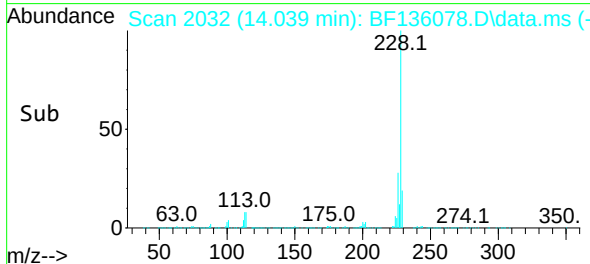
Instrument :
BNA_F
ClientSampleId :
H-1(0-5)DL



Tgt Ion:228 Resp: 277085
Ion Ratio Lower Upper
228 100
226 28.6 23.5 35.3
229 20.6 16.0 24.0

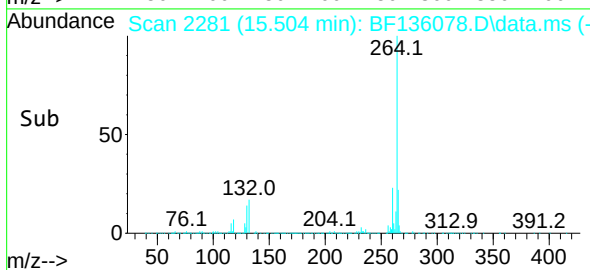
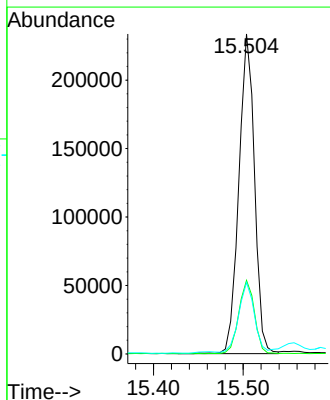
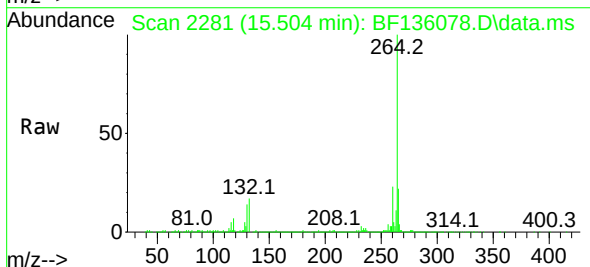
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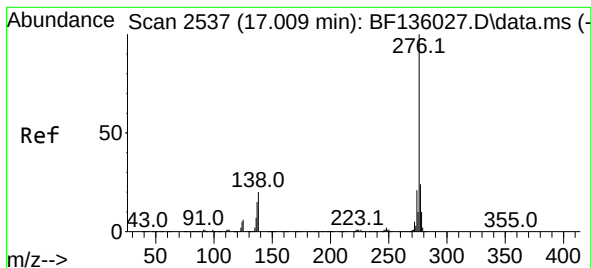
Reviewed By :Yogesh Patel 11/02/2023
Supervised By :mohammad ahmed 11/02/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.006 min
Lab File: BF136078.D
Acq: 01 Nov 2023 15:56

Tgt Ion:264 Resp: 282147
Ion Ratio Lower Upper
264 100
260 23.0 17.9 26.9
265 22.3 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.324 ng

RT: 17.009 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

Instrument :

BNA_F

ClientSampleId :

H-1(0-5)DL

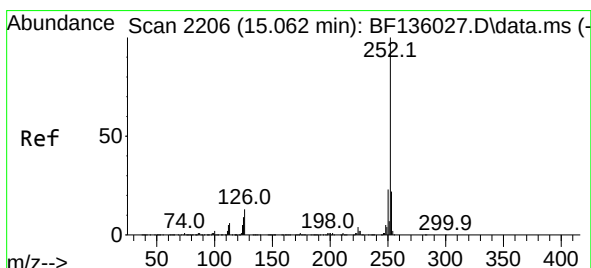
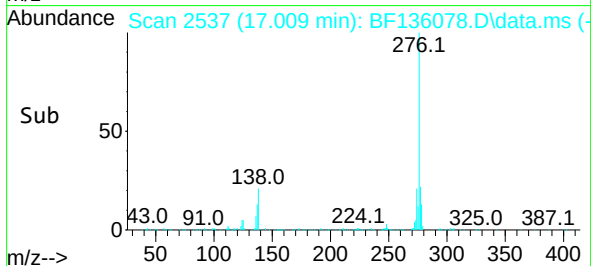
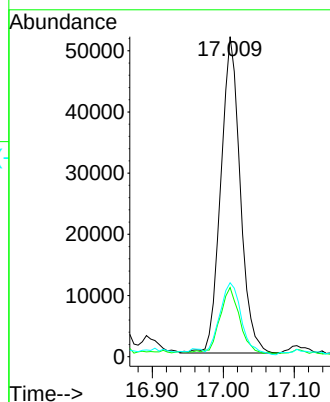
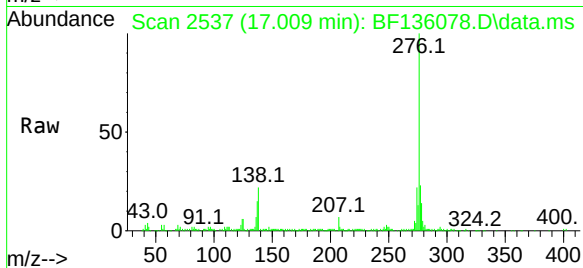
Tgt Ion:	276	Resp:	98174
Ion Ratio	Lower	Upper	
276	100		
138	21.0	20.4	30.6
277	25.3	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#88

Benzo(b)fluoranthene

Concen: 18.825 ng m

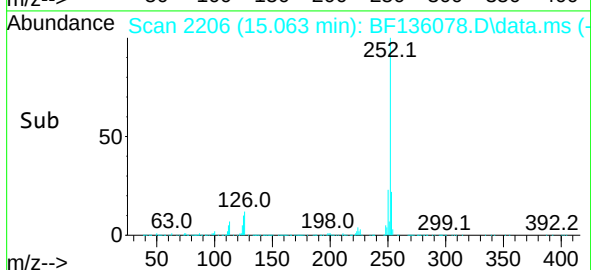
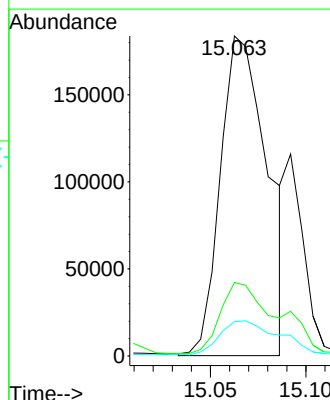
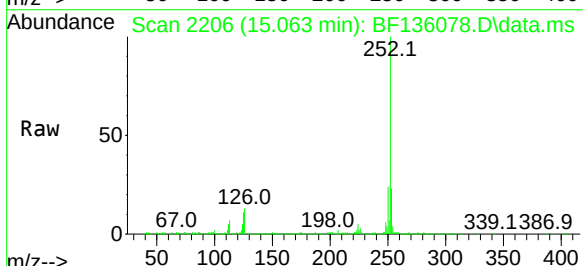
RT: 15.063 min Scan# 2206

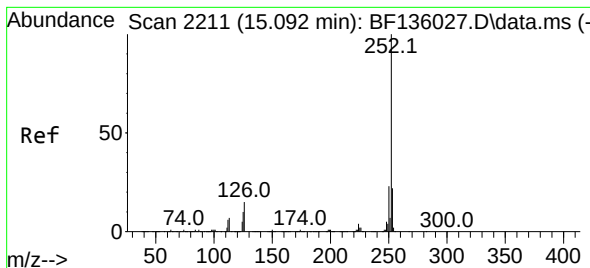
Delta R.T. 0.000 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

Tgt Ion:	252	Resp:	314284
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.7	26.5
125	10.7	7.5	11.3





#89

Benzo(k)fluoranthene

Concen: 4.837 ng m

RT: 15.092 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

Instrument :

BNA_F

ClientSampleId :

H-1(0-5)DL

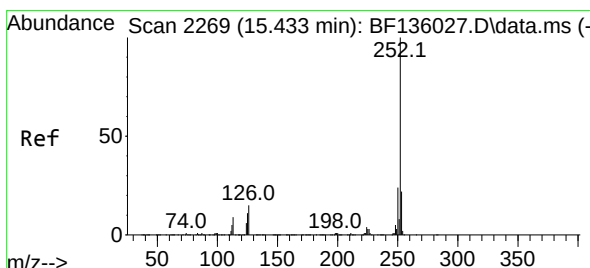
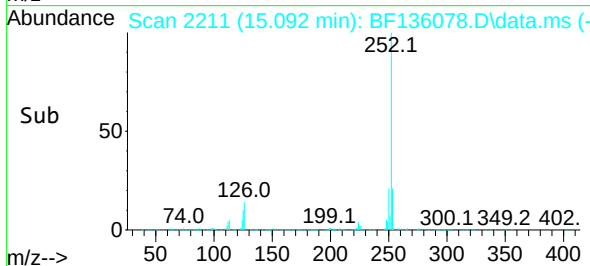
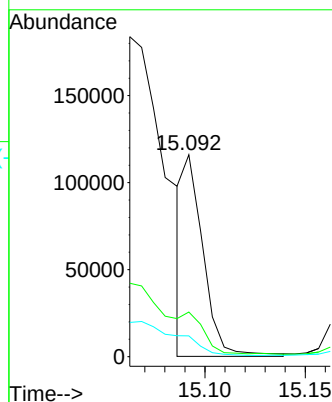
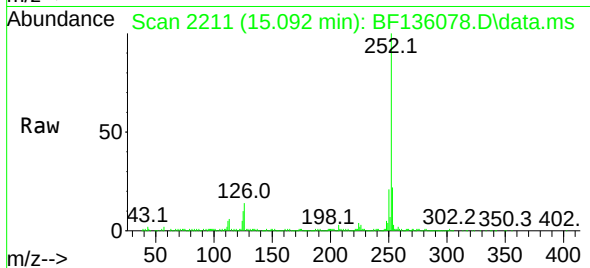
Tgt Ion:252 Resp: 79909
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.4 26.0
 125 10.3 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/02/2023

Supervised By :mohammad ahmed 11/02/2023



#90

Benzo(a)pyrene

Concen: 16.196 ng

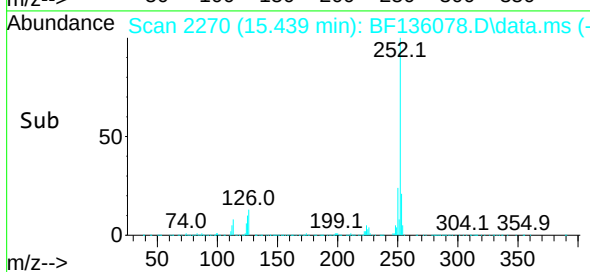
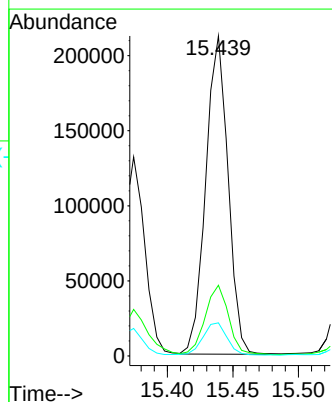
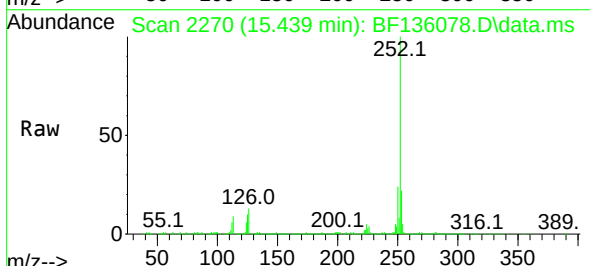
RT: 15.439 min Scan# 2270

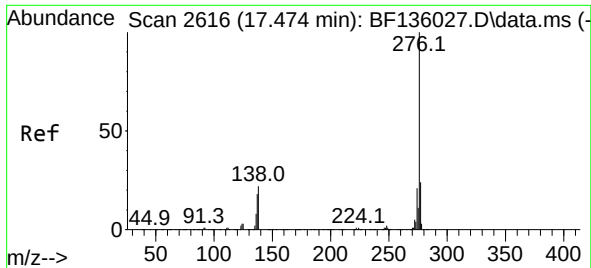
Delta R.T. 0.006 min

Lab File: BF136078.D

Acq: 01 Nov 2023 15:56

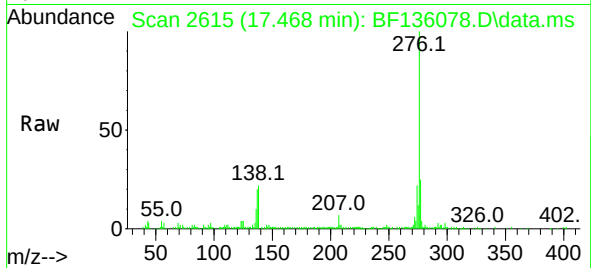
Tgt Ion:252 Resp: 251239
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.3 25.9
 125 10.4 9.0 13.6





#92
 Benzo(g,h,i)perylene
 Concen: 7.782 ng
 RT: 17.468 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF136078.D
 Acq: 01 Nov 2023 15:56

Instrument :
 BNA_F
 ClientSampleId :
 H-1(0-5)DL



Tgt Ion:276 Resp: 89435
 Ion Ratio Lower Upper
 276 100
 277 24.9 19.0 28.4
 138 22.5 17.4 26.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023

