

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136759.D
 Acq On : 27 Dec 2023 15:34
 Operator : CG\JU
 Sample : 05796-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-04-10-11

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/28/2023
 Supervised By :mohammad ahmed 12/28/2023

Quant Time: Dec 27 16:11:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	75790	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	279523	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	133025	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	213790	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	140908	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	177459	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	336497	69.274	ng	0.00
7) Phenol-d6	6.428	99	431016	68.480	ng	-0.01
23) Nitrobenzene-d5	7.345	82	275704	50.472	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	82863	52.891	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	539582	54.556	ng	-0.01
79) Terphenyl-d14	12.904	244	416524	41.309	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.327	178	37402	3.410	ng	100
75) Fluoranthene	12.527	202	54922	4.681	ng	98
78) Pyrene	12.757	202	45094	3.260	ng	100
81) Benzo(a)anthracene	13.951	228	23828	2.435	ng	97
83) Chrysene	13.986	228	22502	2.352	ng	97
88) Benzo(b)fluoranthene	15.004	252	36652m	3.092	ng	
90) Benzo(a)pyrene	15.374	252	22760	2.275	ng	# 92

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

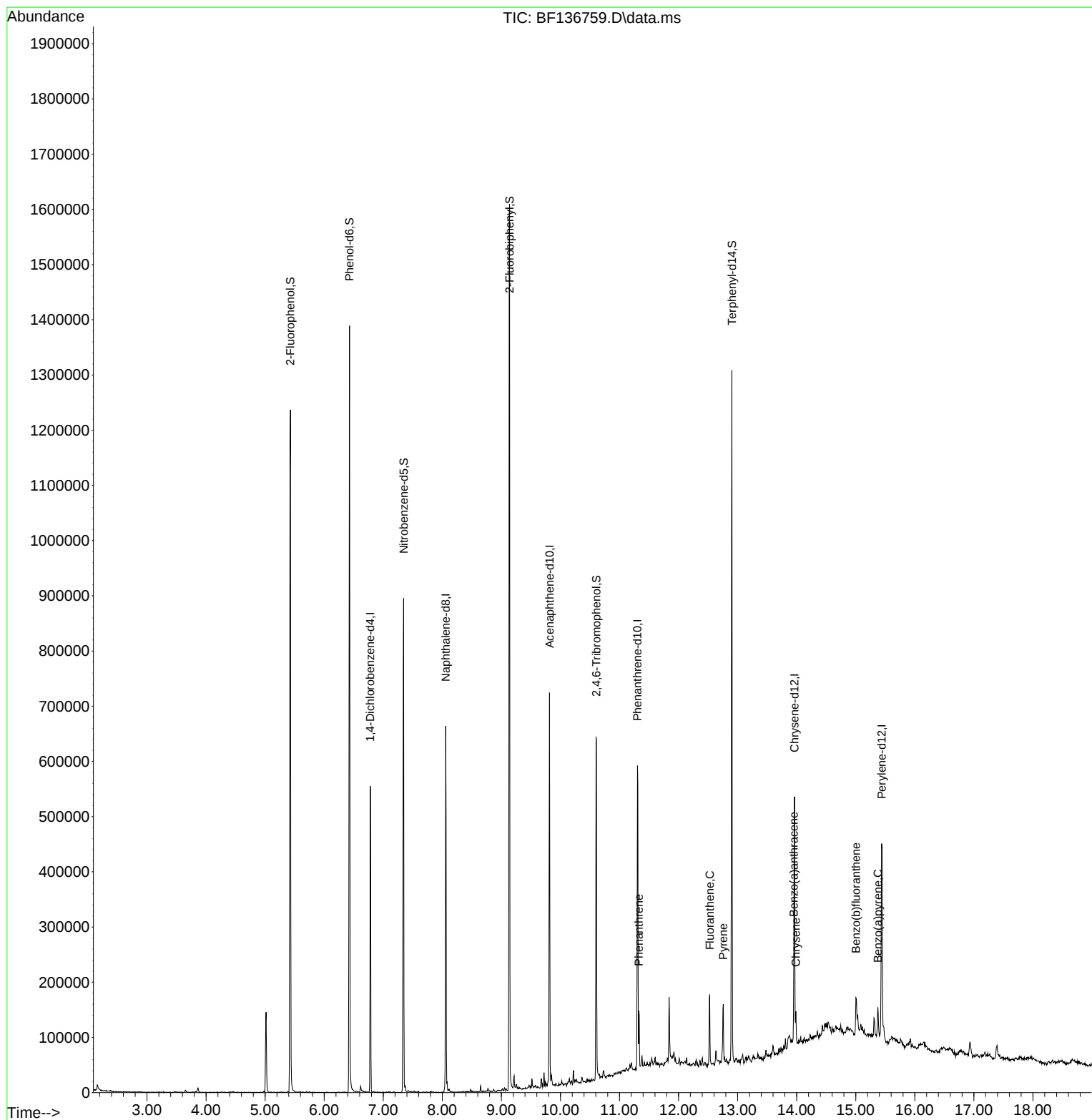
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
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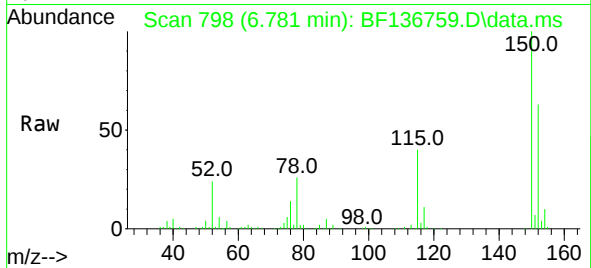
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

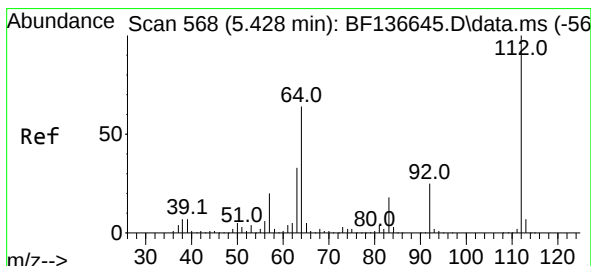
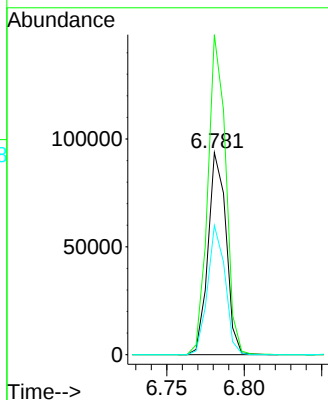
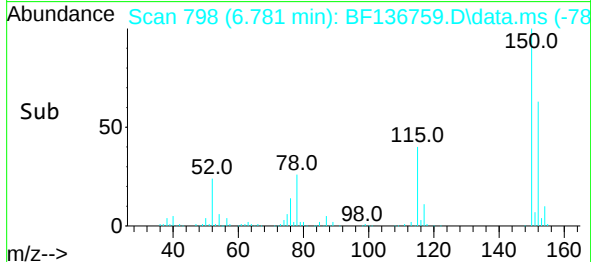
Instrument :
BNA_F
ClientSampleId :
RT-SB-04-10-11



Tgt Ion:152 Resp: 75790
Ion Ratio Lower Upper
152 100
150 158.4 127.0 190.6
115 64.0 49.0 73.4

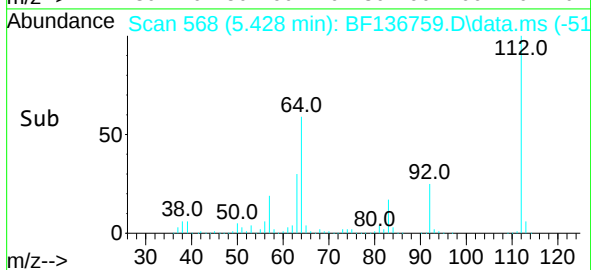
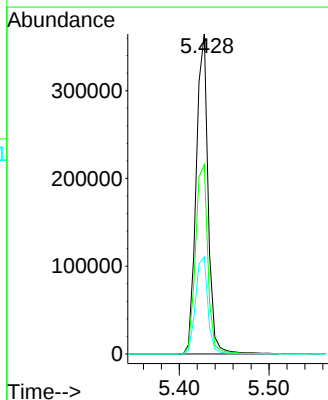
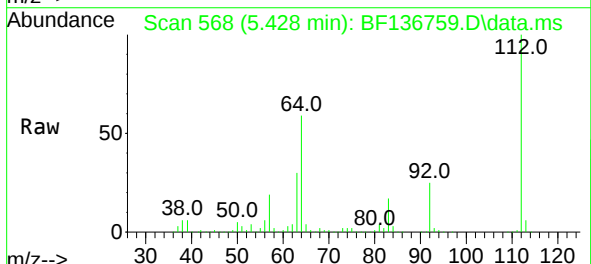
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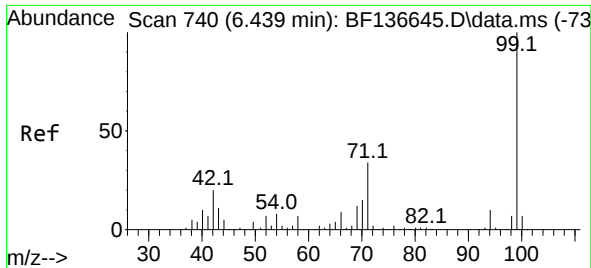
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023



#5
2-Fluorophenol
Concen: 69.274 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

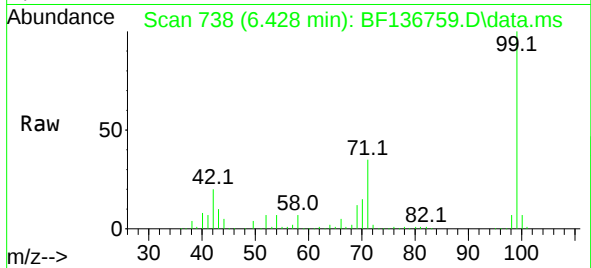
Tgt Ion:112 Resp: 336497
Ion Ratio Lower Upper
112 100
64 59.2 51.1 76.7
63 30.3 26.1 39.1





#7
Phenol-d6
Concen: 68.480 ng
RT: 6.428 min Scan# 710
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

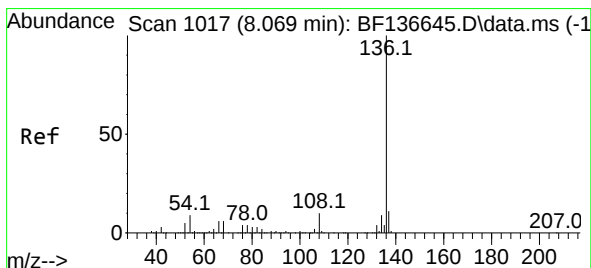
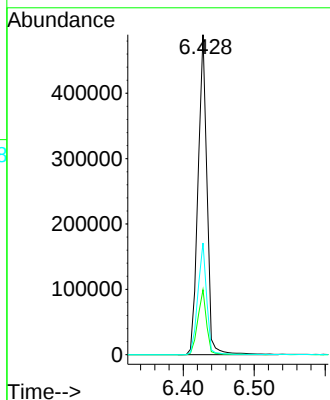
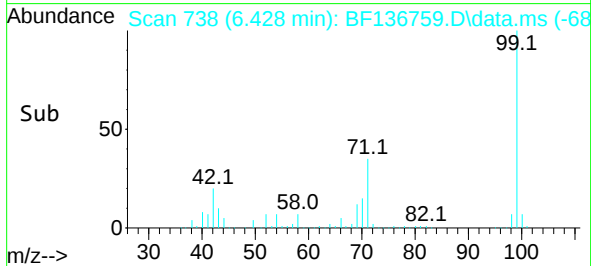
Instrument :
BNA_F
ClientSampleId :
RT-SB-04-10-11



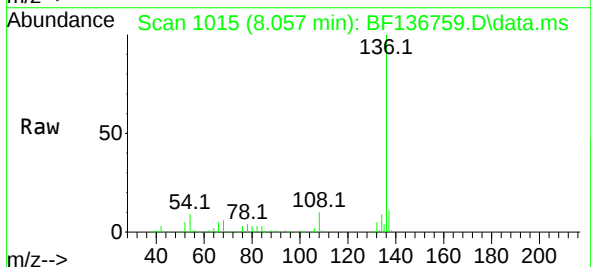
Tgt Ion: 99 Resp: 431010
Ion Ratio Lower Upper
99 100
42 20.3 16.1 24.1
71 34.9 27.4 41.2

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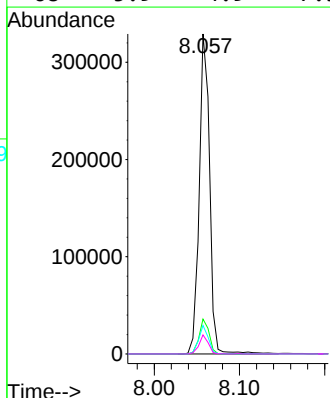
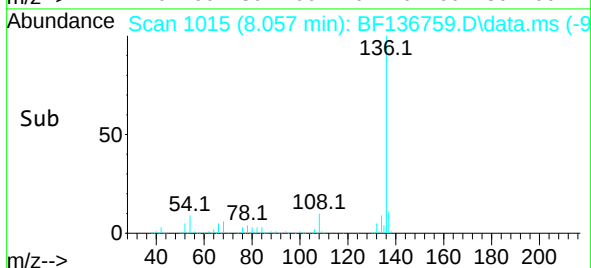
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023

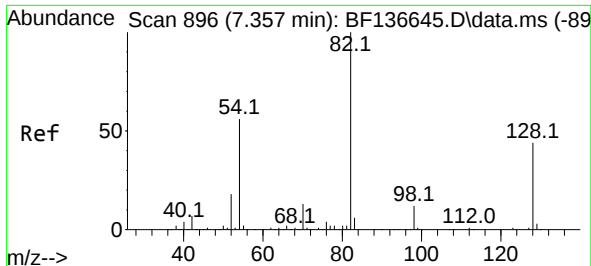


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34



Tgt Ion:136 Resp: 279523
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 8.9 7.2 10.8
68 5.9 4.9 7.3





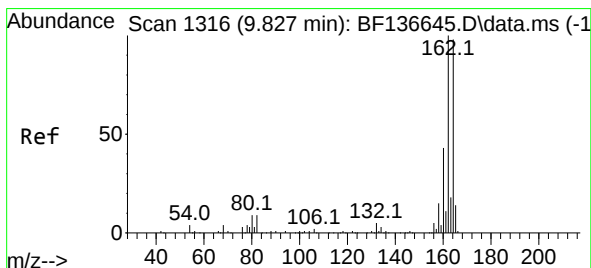
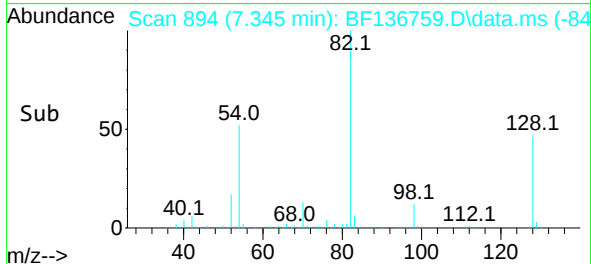
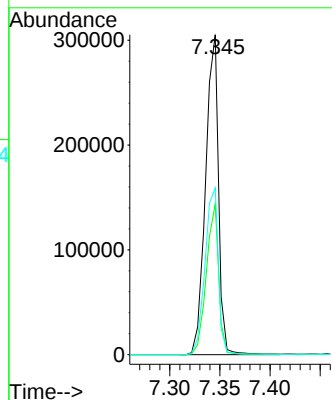
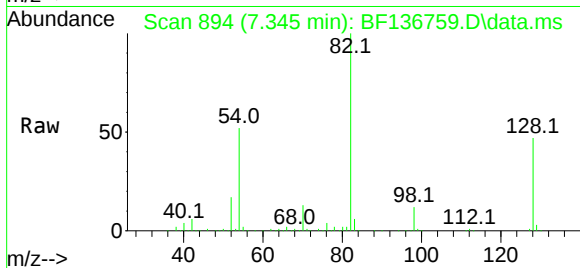
#23
Nitrobenzene-d5
Concen: 50.472 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

Instrument :
BNA_F
ClientSampleId :
RT-SB-04-10-11

Tgt Ion: 82 Resp: 275704
Ion Ratio Lower Upper
82 100
128 47.0 35.3 52.9
54 52.1 44.5 66.7

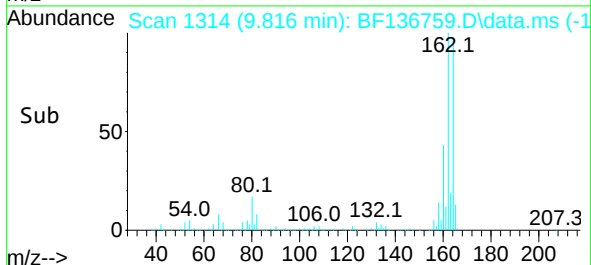
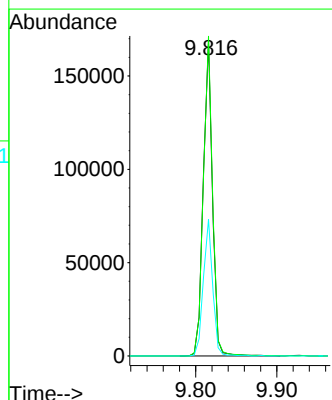
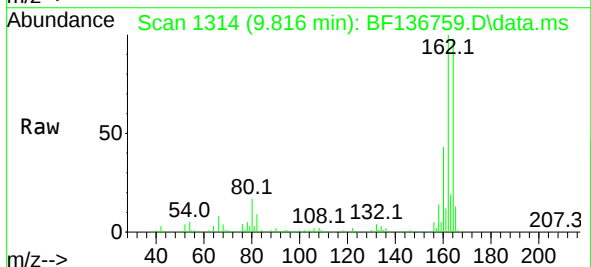
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

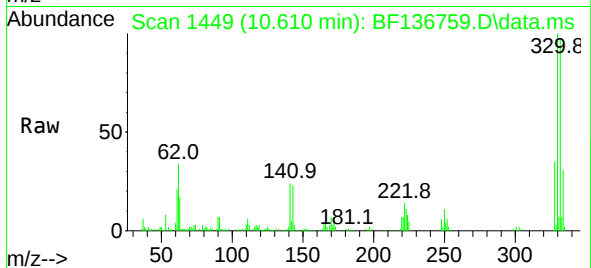
Tgt Ion:164 Resp: 133025
Ion Ratio Lower Upper
164 100
162 101.6 81.6 122.4
160 43.4 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 52.891 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

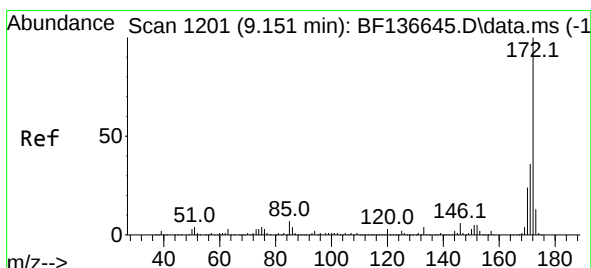
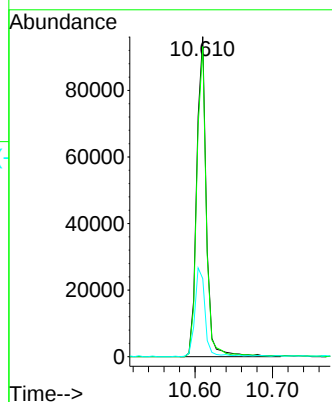
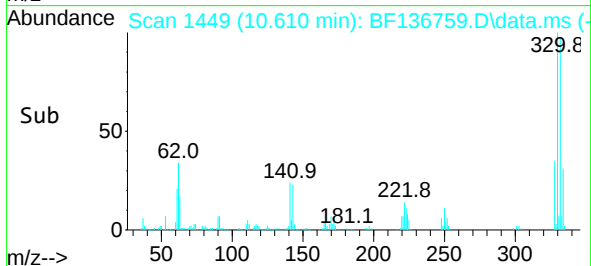
Instrument :
BNA_F
ClientSampleId :
RT-SB-04-10-11



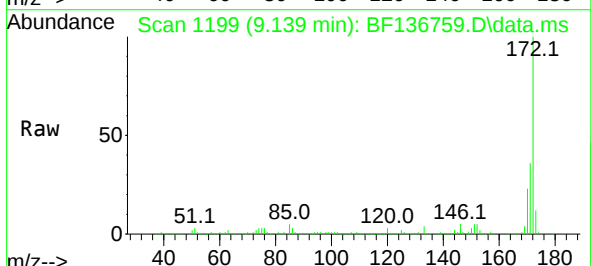
Tgt Ion: 330 Resp: 8286
Ion Ratio Lower Upper
330 100
332 95.6 77.4 116.0
141 30.0 23.4 35.2

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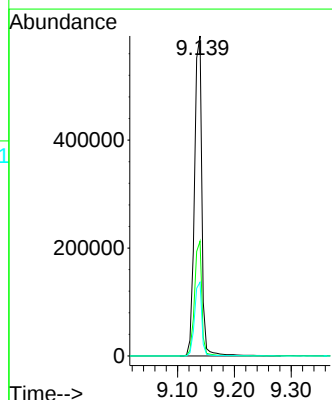
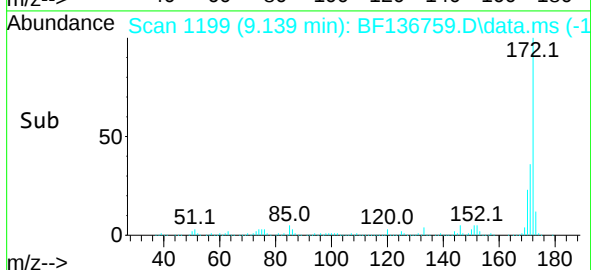
Reviewed By : Yogesh Patel 12/28/2023
Supervised By : mohammad ahmed 12/28/2023

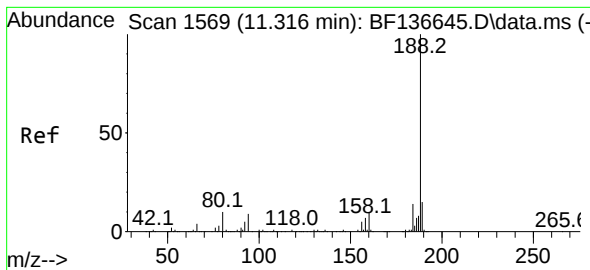


#45
2-Fluorobiphenyl
Concen: 54.556 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34



Tgt Ion: 172 Resp: 539582
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.6
170 23.0 19.0 28.4





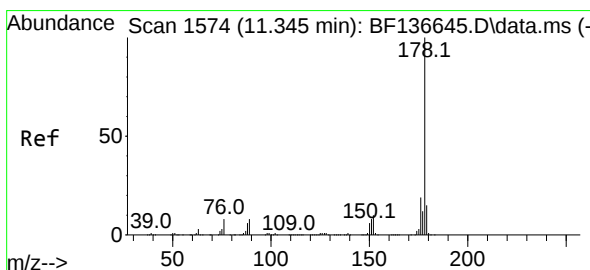
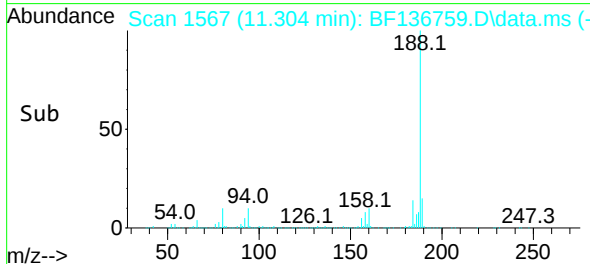
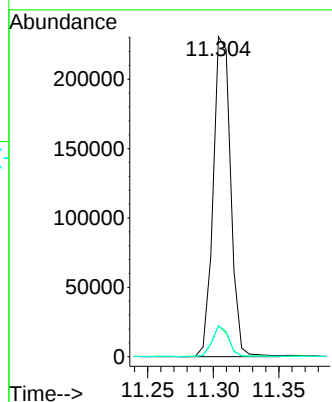
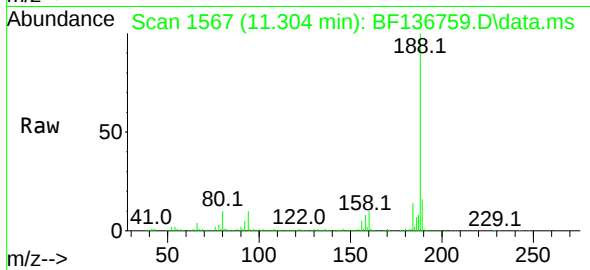
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

Instrument :
BNA_F
ClientSampleId :
RT-SB-04-10-11

Tgt Ion:188 Resp: 213790
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 9.7 8.1 12.1

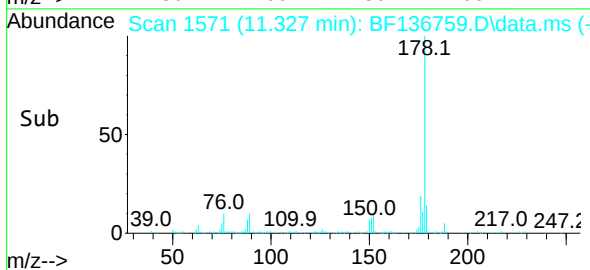
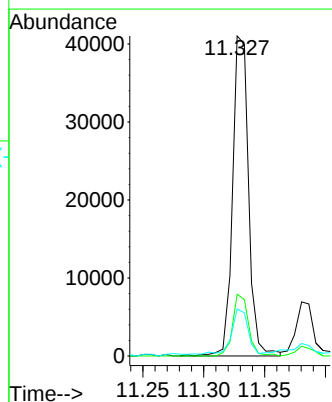
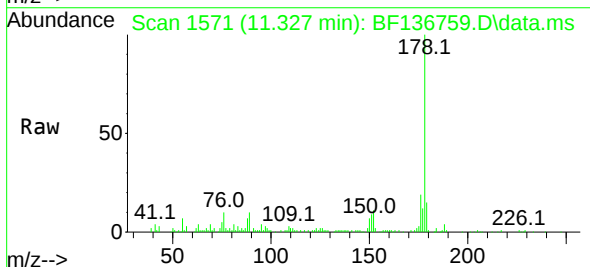
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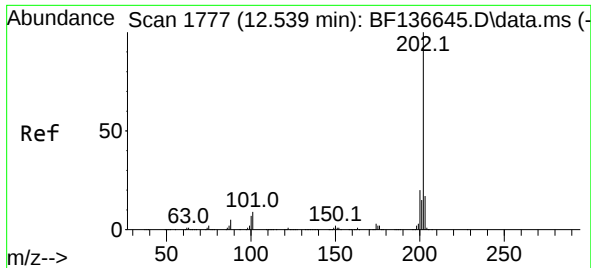
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023



#71
Phenanthrene
Concen: 3.410 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

Tgt Ion:178 Resp: 37402
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 14.7 11.9 17.9





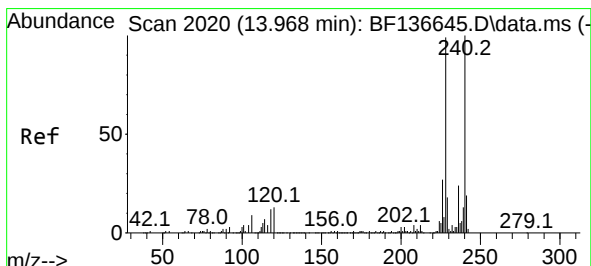
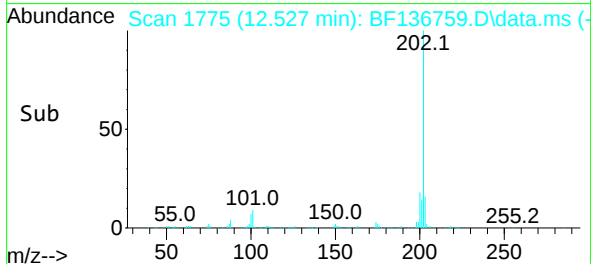
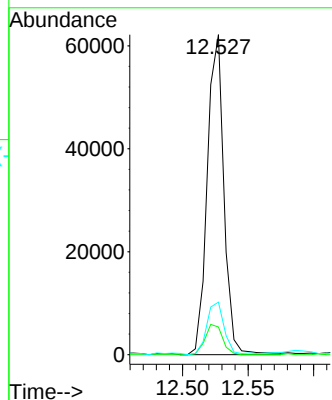
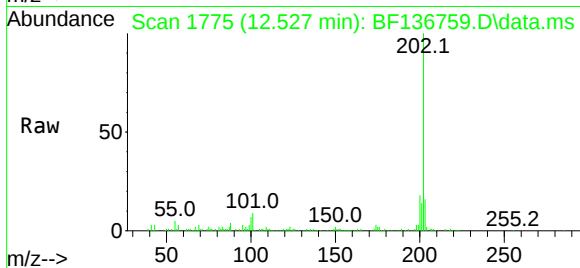
#75
Fluoranthene
Concen: 4.681 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

Instrument :
BNA_F
ClientSampleId :
RT-SB-04-10-11

Tgt Ion:202 Resp: 5492
Ion Ratio Lower Upper
202 100
101 8.6 0.0 29.3
203 16.4 0.0 37.1

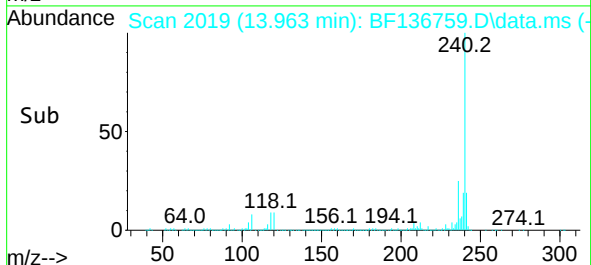
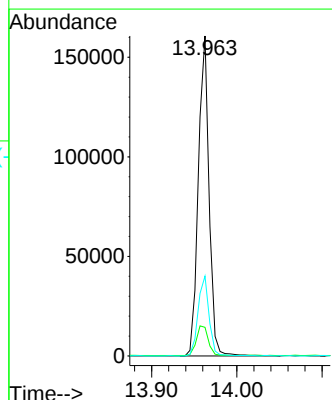
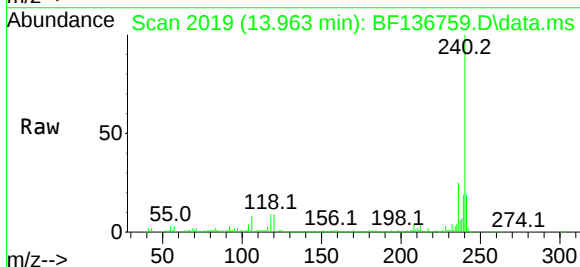
Manual Integrations
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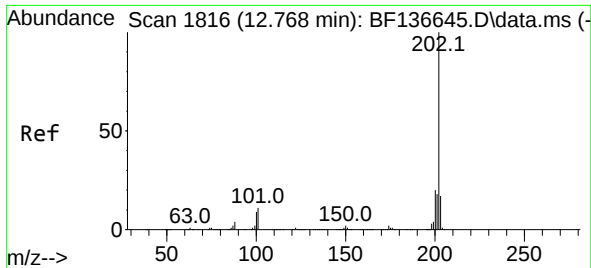
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

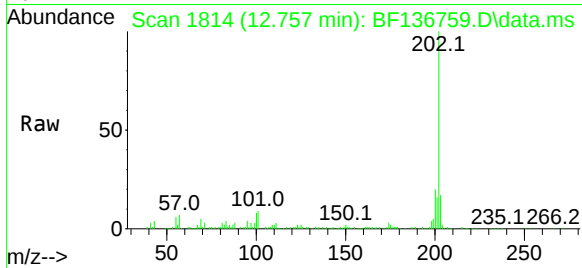
Tgt Ion:240 Resp: 140908
Ion Ratio Lower Upper
240 100
120 8.9 10.3 15.5#
236 25.0 19.4 29.2





#78
Pyrene
Concen: 3.260 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

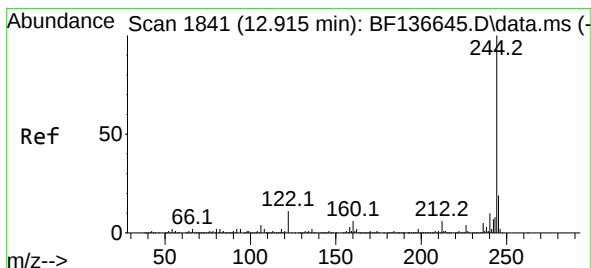
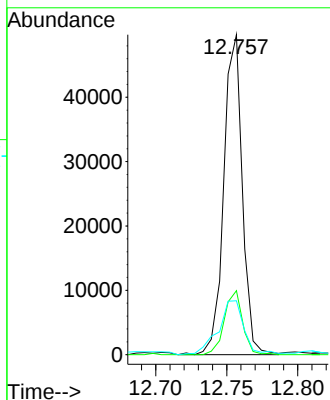
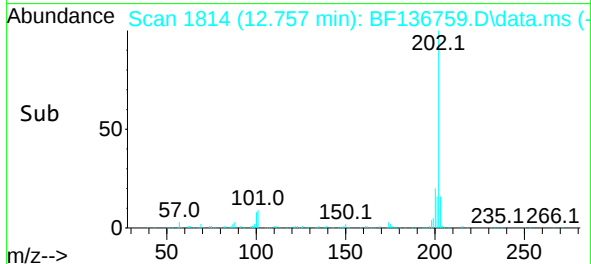
Instrument :
BNA_F
ClientSampleId :
RT-SB-04-10-11



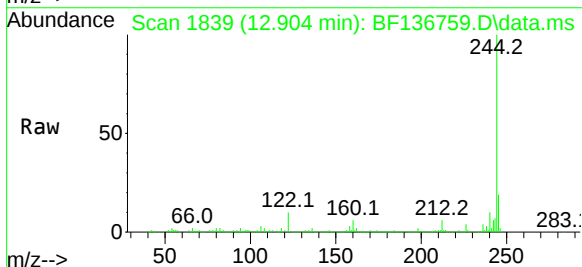
Tgt Ion:202 Resp: 45094
Ion Ratio Lower Upper
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200 20.0 15.9 23.9
203 16.9 13.8 20.6

Manual Integrations
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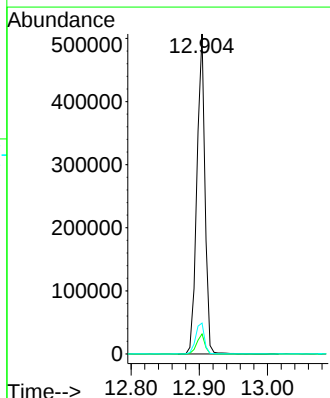
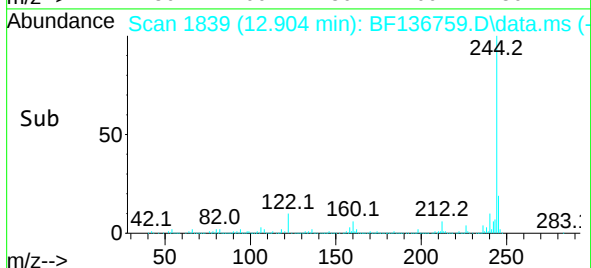
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023

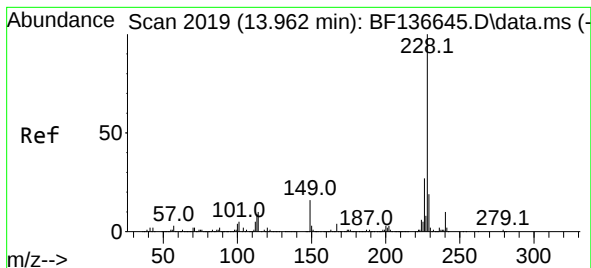


#79
Terphenyl-d14
Concen: 41.309 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34



Tgt Ion:244 Resp: 416524
Ion Ratio Lower Upper
244 100
212 6.3 5.0 7.4
122 9.7 9.0 13.4





#81

Benzo(a)anthracene

Concen: 2.435 ng

RT: 13.951 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF136759.D

Acq: 27 Dec 2023 15:34

Instrument :

BNA_F

ClientSampleId :

RT-SB-04-10-11

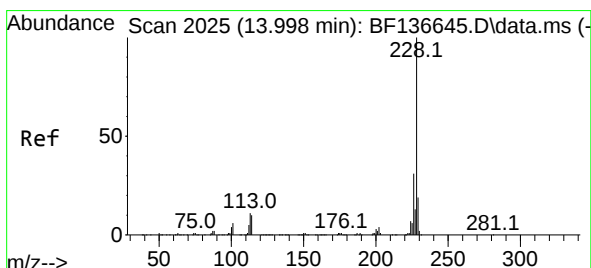
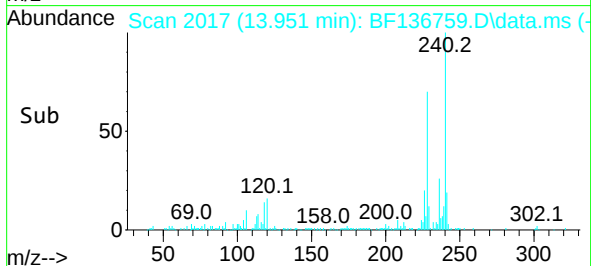
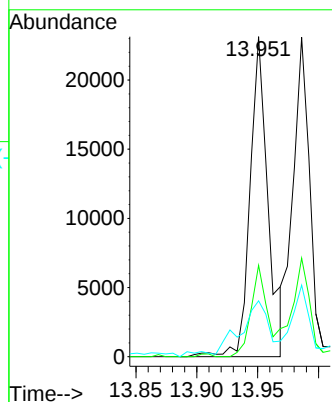
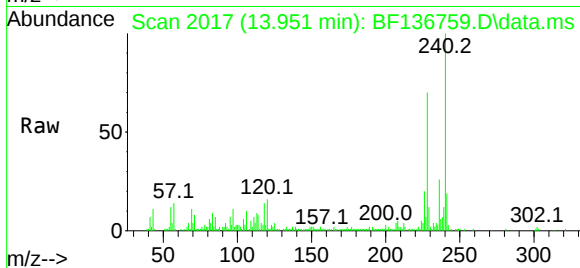
Tgt Ion:228 Resp: 23828
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.4 32.0
 229 17.4 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#83

Chrysene

Concen: 2.352 ng

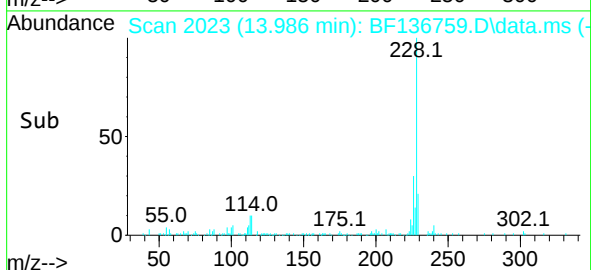
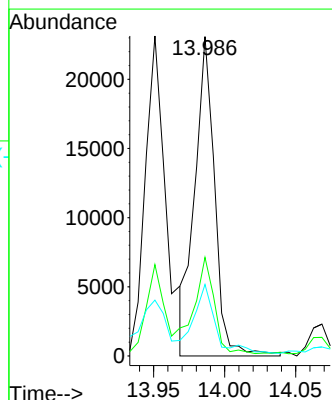
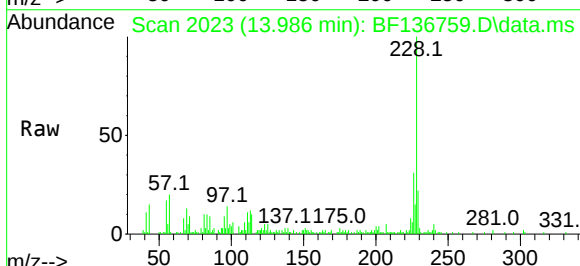
RT: 13.986 min Scan# 2023

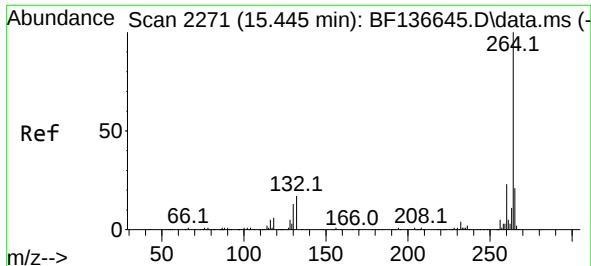
Delta R.T. -0.012 min

Lab File: BF136759.D

Acq: 27 Dec 2023 15:34

Tgt Ion:228 Resp: 22502
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.7 37.1
 229 22.4 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF136759.D

Acq: 27 Dec 2023 15:34

Instrument :

BNA_F

ClientSampleId :

RT-SB-04-10-11

Tgt Ion:264 Resp: 177459

Ion Ratio Lower Upper

264 100

260 22.0 18.3 27.5

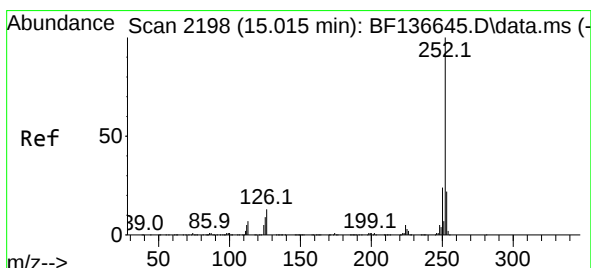
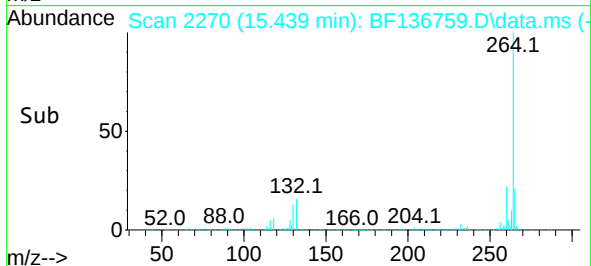
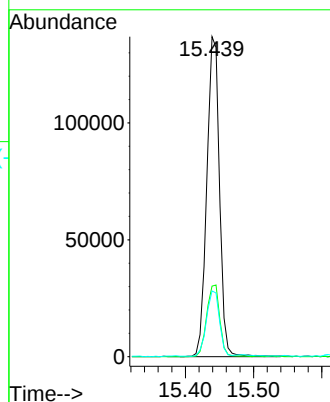
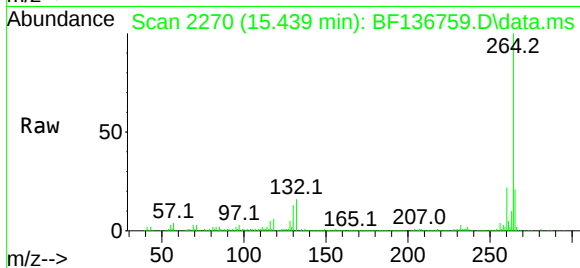
265 20.6 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#88

Benzo(b)fluoranthene

Concen: 3.092 ng m

RT: 15.004 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF136759.D

Acq: 27 Dec 2023 15:34

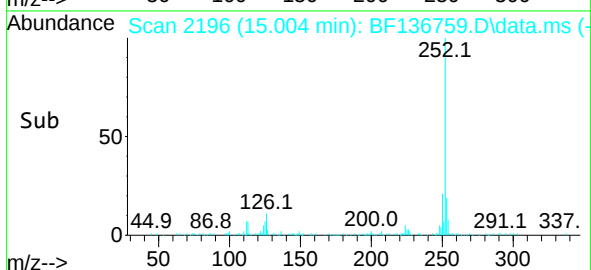
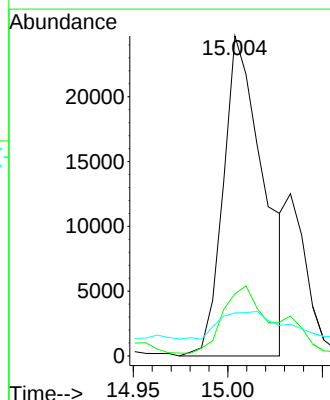
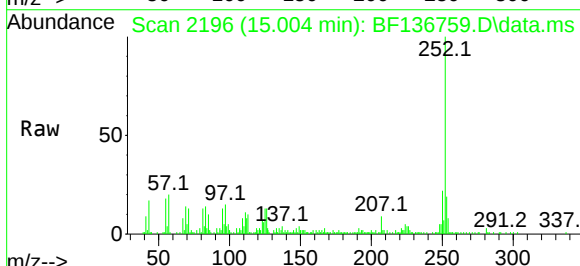
Tgt Ion:252 Resp: 36652

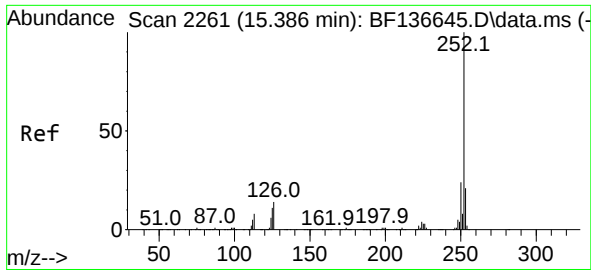
Ion Ratio Lower Upper

252 100

253 19.4 17.4 26.0

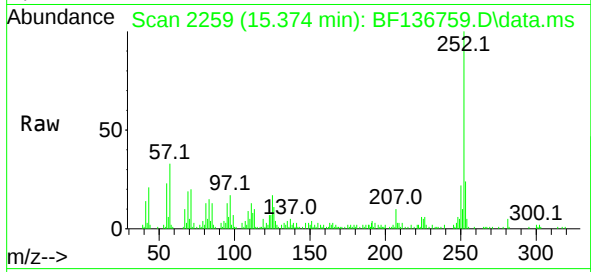
125 13.4 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 2.275 ng
RT: 15.374 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136759.D
Acq: 27 Dec 2023 15:34

Instrument :
BNA_F
ClientSampleId :
RT-SB-04-10-11



Tgt Ion:252 Resp: 22760
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 16.5 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023

