

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
 Data File : BF136039.D
 Acq On : 30 Oct 2023 21:03
 Operator : CG\JU
 Sample : 05078-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-102323

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 31 01:42:09 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	164892	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	612026	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	281702	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	420708	20.000	ng	0.00
76) Chrysene-d12	14.010	240	331785	20.000	ng	0.00
86) Perylene-d12	15.504	264	238201	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	519306	49.489	ng	0.00
7) Phenol-d6	6.451	99	628625	48.082	ng	0.00
23) Nitrobenzene-d5	7.381	82	368143	36.261	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	126350	42.021	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	705169	39.904	ng	0.00
79) Terphenyl-d14	12.951	244	613624	28.741	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.374	178	70031	3.306	ng	98
75) Fluoranthene	12.569	202	87632	4.027	ng	99
78) Pyrene	12.798	202	106122	3.628	ng	99
81) Benzo(a)anthracene	13.998	228	47014	2.140	ng	94
83) Chrysene	14.033	228	44363m	2.051	ng	
88) Benzo(b)fluoranthene	15.062	252	36381m	2.581	ng	
92) Benzo(g,h,i)perylene	17.468	276	18408	4.086	ng	# 80

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

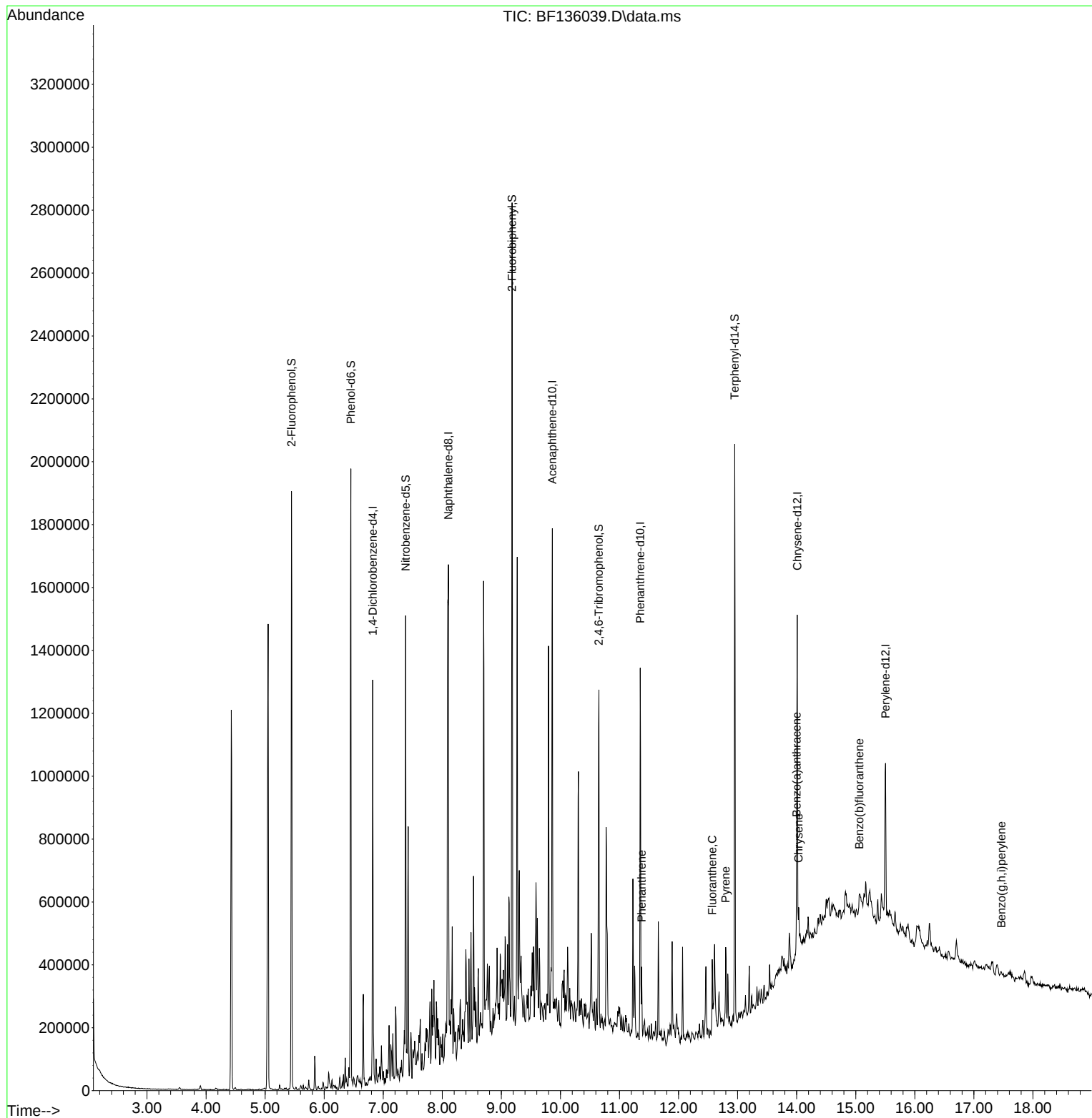
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136039.D
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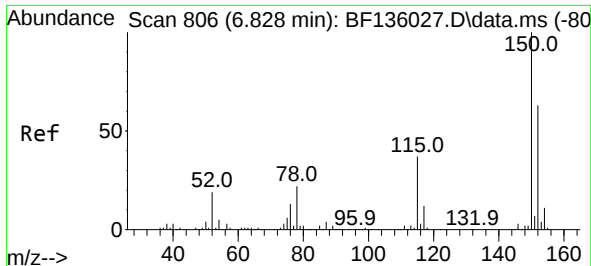
Instrument :
BNA_F
ClientSampleId :
EO-03-102323

Quant Time: Oct 31 01:42:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
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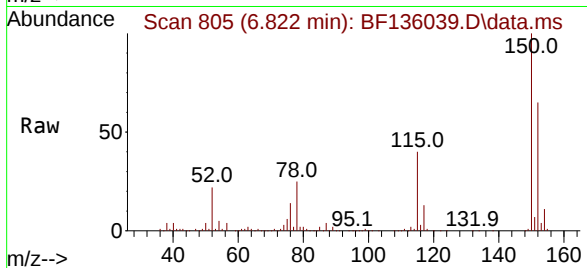
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

Instrument :

BNA_F

ClientSampleId :

EO-03-102323

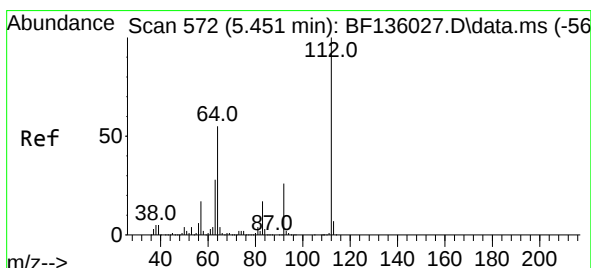
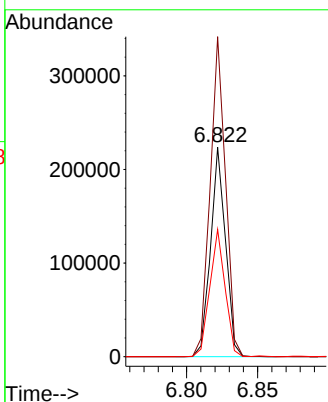
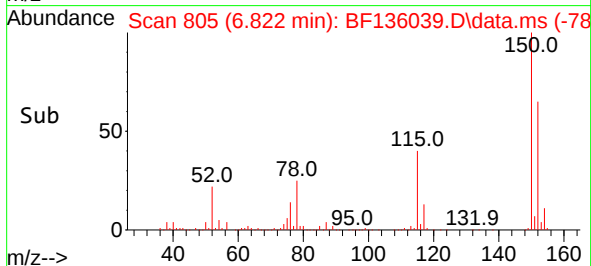


Tgt Ion:152 Resp: 164892
Ion Ratio Lower Upper
152 100
150 152.8 126.4 189.6
115 60.7 47.0 70.4

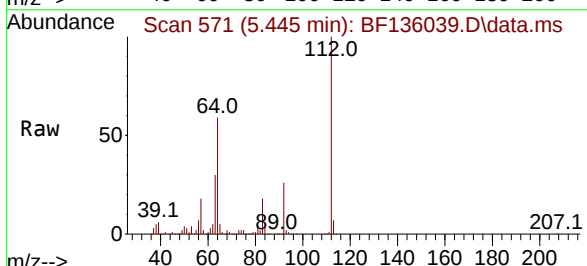
Manual Integrations

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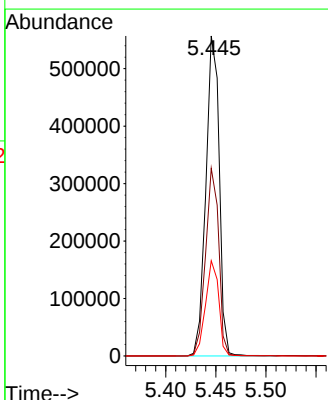
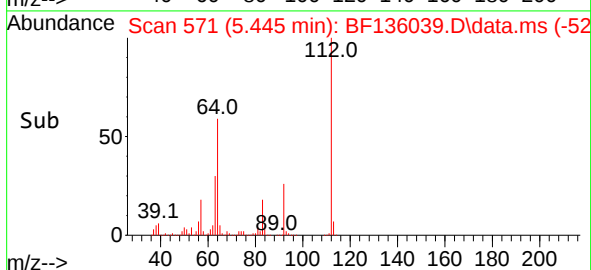
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

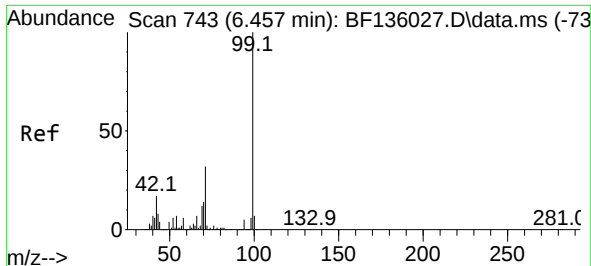


#5
2-Fluorophenol
Concen: 49.489 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03



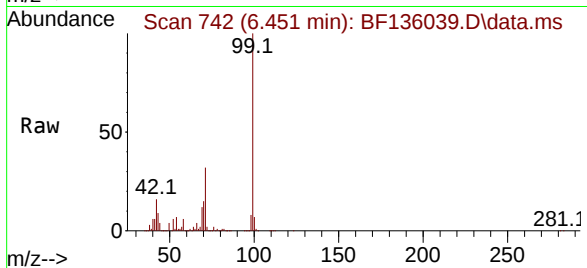
Tgt Ion:112 Resp: 519306
Ion Ratio Lower Upper
112 100
64 58.6 43.9 65.9
63 29.7 22.4 33.6





#7
Phenol-d6
Concen: 48.082 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

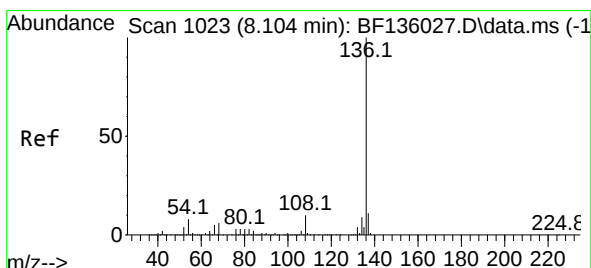
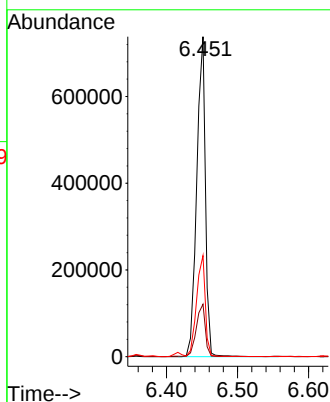
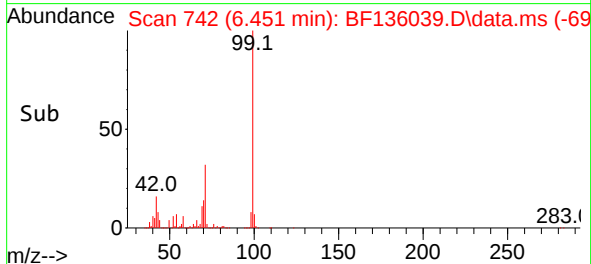
Instrument :
BNA_F
ClientSampleId :
EO-03-102323



Tgt Ion: 99 Resp: 628625
Ion Ratio Lower Upper
99 100
42 16.4 13.7 20.5
71 31.6 25.9 38.9

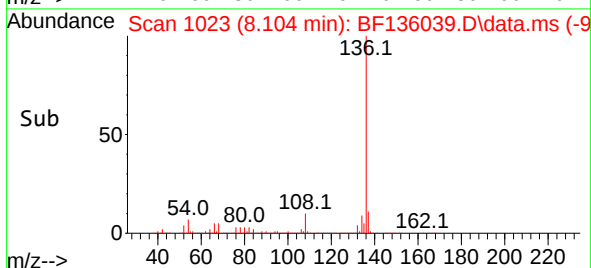
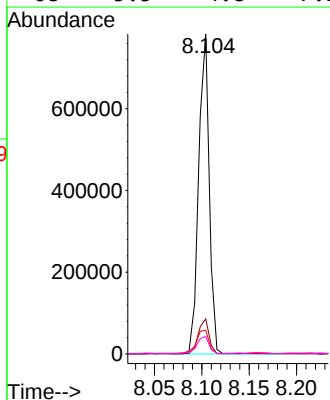
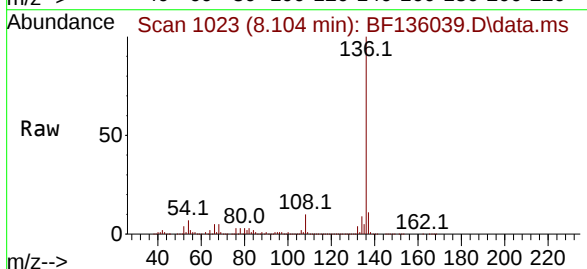
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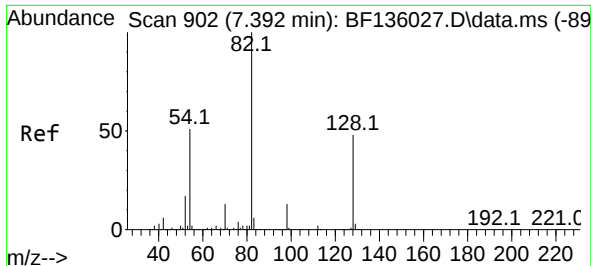
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

Tgt Ion:136 Resp: 612026
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.4 6.6 9.8
68 5.5 4.8 7.2





#23

Nitrobenzene-d5

Concen: 36.261 ng

RT: 7.381 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF136039.D

Acq: 30 Oct 2023 21:03

Instrument :

BNA_F

ClientSampleId :

EO-03-102323

Tgt Ion: 82 Resp: 36814

Ion Ratio Lower Upper

82 100

128 46.6 38.6 57.8

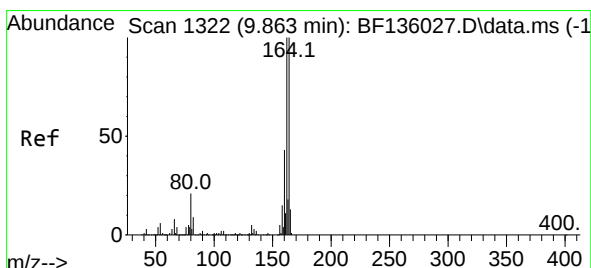
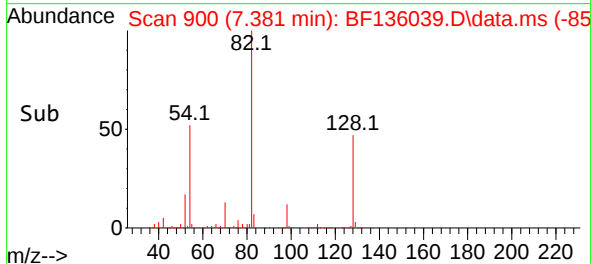
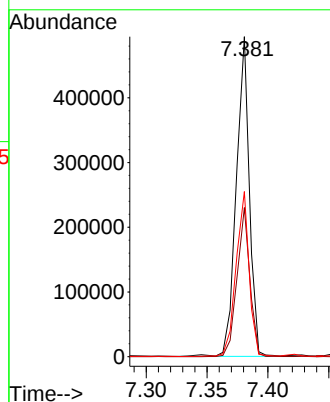
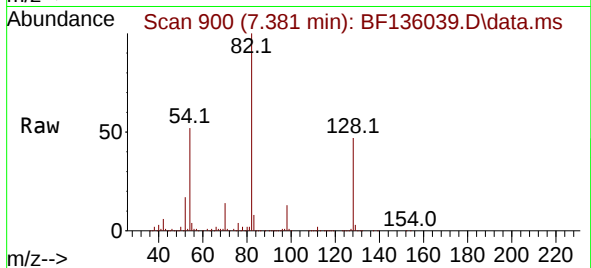
54 51.6 40.8 61.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF136039.D

Acq: 30 Oct 2023 21:03

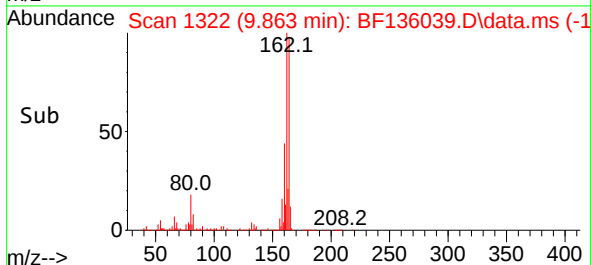
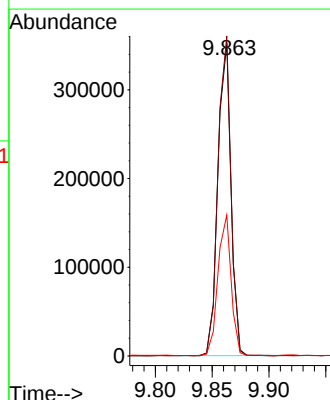
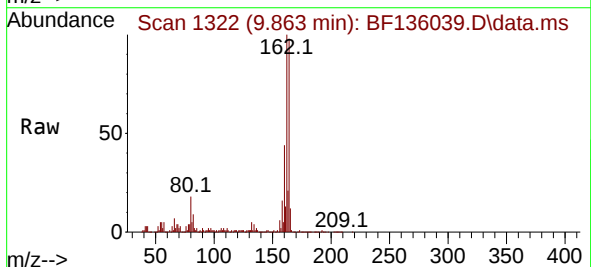
Tgt Ion:164 Resp: 281702

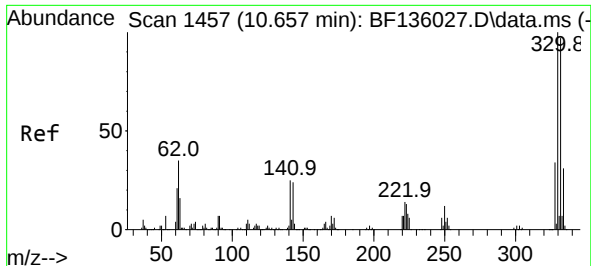
Ion Ratio Lower Upper

164 100

162 102.4 80.1 120.1

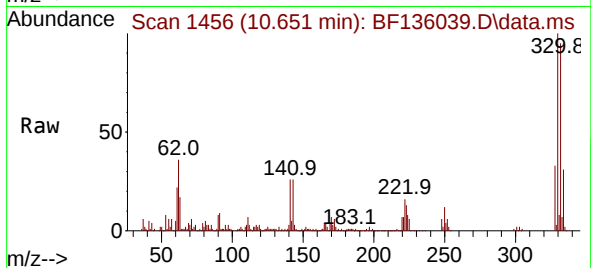
160 45.1 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 42.021 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

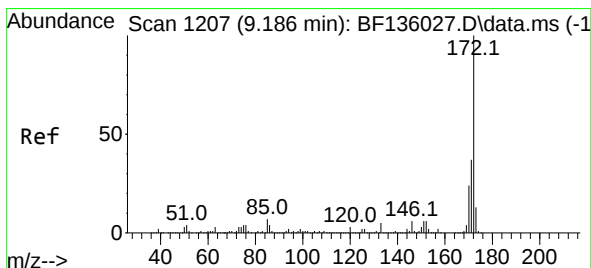
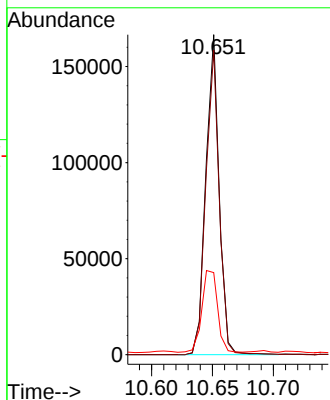
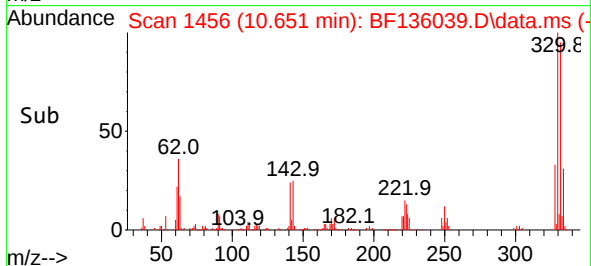
Instrument :
BNA_F
ClientSampleId :
EO-03-102323



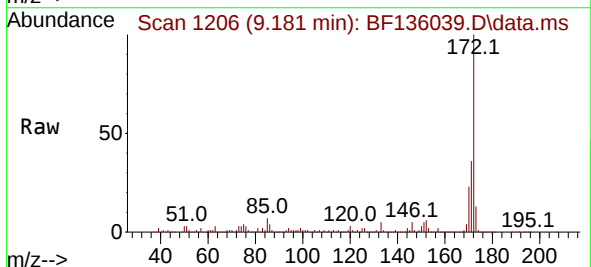
Tgt Ion: 330 Resp: 126350
Ion Ratio Lower Upper
330 100
332 95.6 76.9 115.3
141 29.9 23.2 34.8

Manual Integrations
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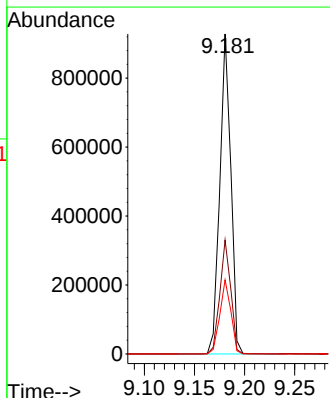
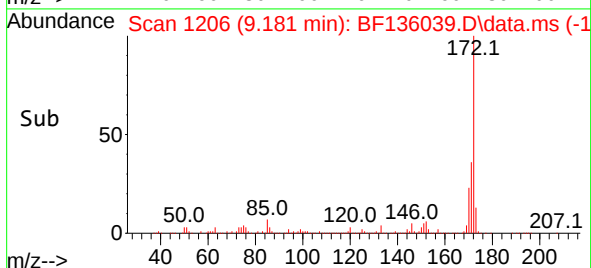
Reviewed By : Yogesh Patel 10/31/2023
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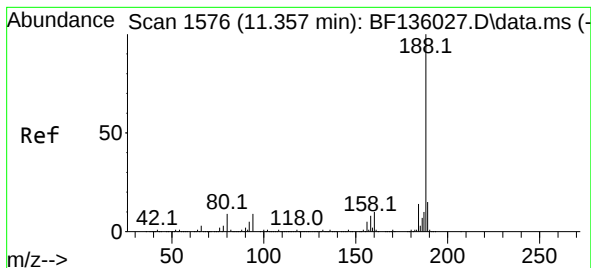


#45
2-Fluorobiphenyl
Concen: 39.904 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03



Tgt Ion: 172 Resp: 705169
Ion Ratio Lower Upper
172 100
171 35.6 29.4 44.0
170 23.1 19.3 28.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136039.D

Acq: 30 Oct 2023 21:03

Instrument :

BNA_F

ClientSampleId :

EO-03-102323

Tgt Ion:188 Resp: 420708

Ion Ratio Lower Upper

188 100

94 10.0 7.2 10.8

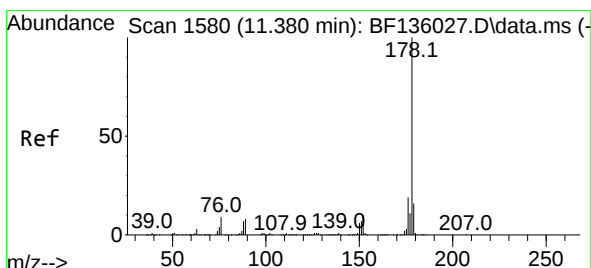
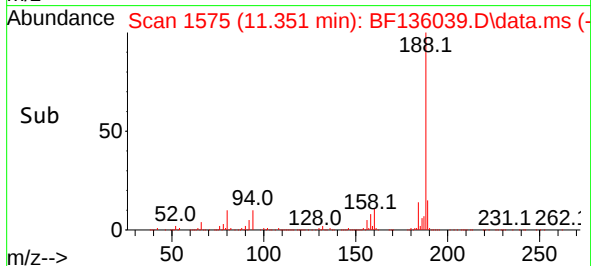
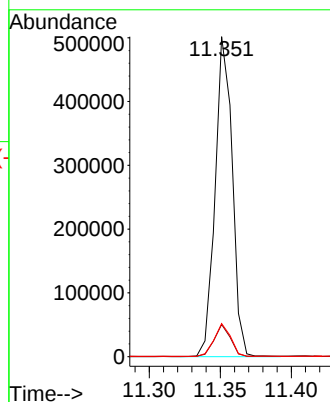
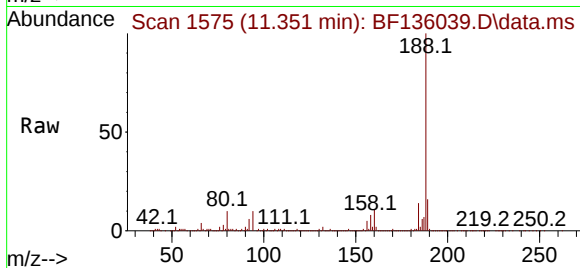
80 10.3 7.4 11.0

Manual Integrations

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Supervised By :mohammad ahmed 10/31/2023



#71

Phenanthrene

Concen: 3.306 ng

RT: 11.374 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF136039.D

Acq: 30 Oct 2023 21:03

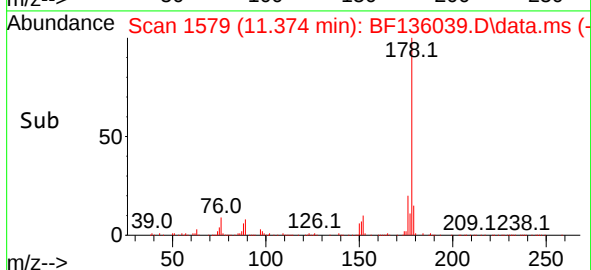
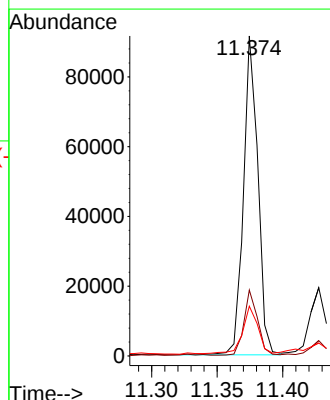
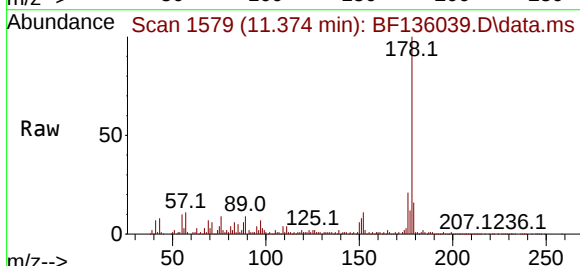
Tgt Ion:178 Resp: 70031

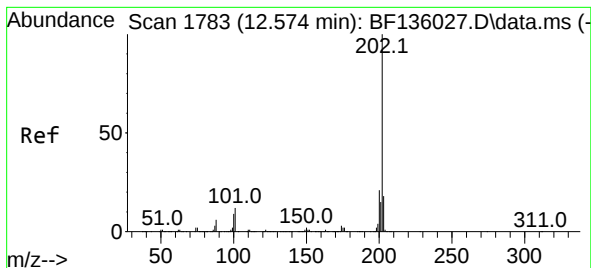
Ion Ratio Lower Upper

178 100

176 20.6 15.5 23.3

179 15.6 12.9 19.3





#75

Fluoranthene

Concen: 4.027 ng

RT: 12.569 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136039.D

Acq: 30 Oct 2023 21:03

Instrument :

BNA_F

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EO-03-102323

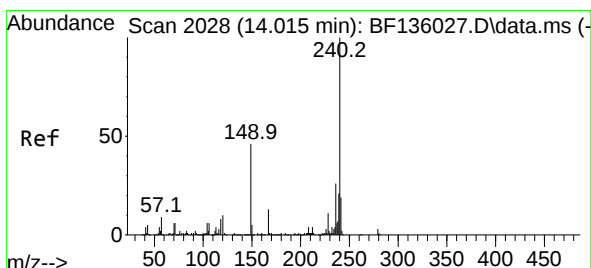
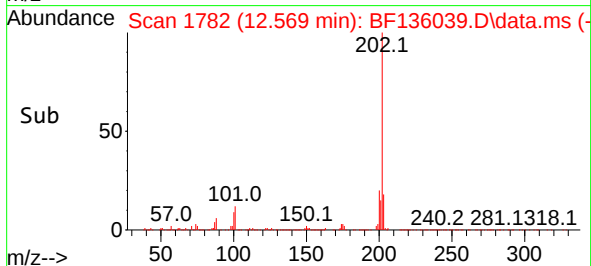
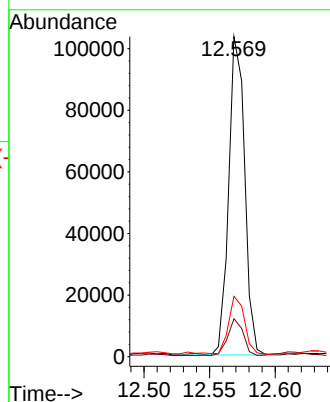
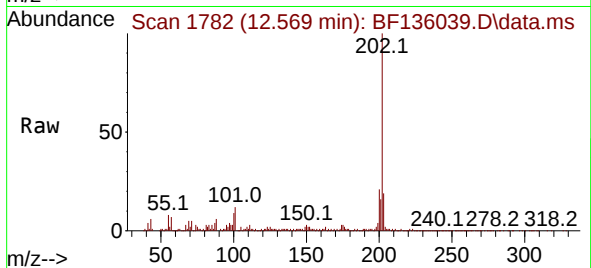
Tgt Ion:202 Resp: 87632
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 31.8
 203 18.8 0.0 37.9

Manual Integrations

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#76

Chrysene-d12

Concen: 20.000 ng

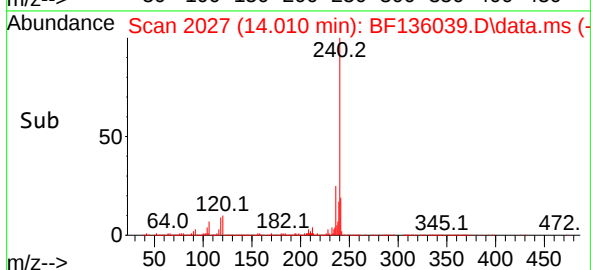
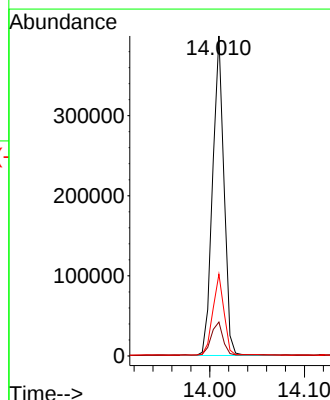
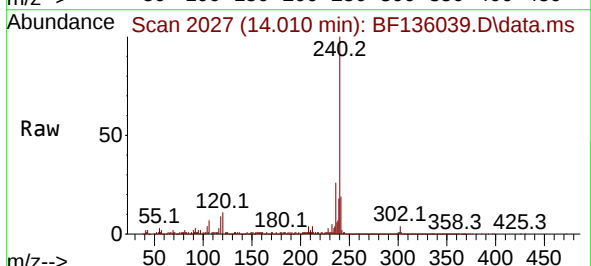
RT: 14.010 min Scan# 2027

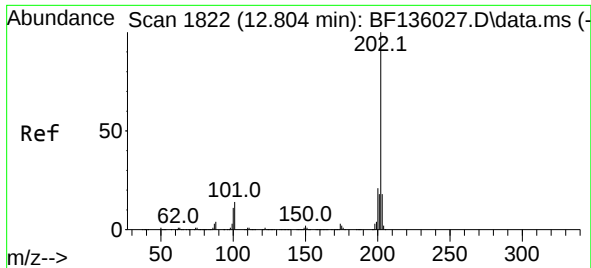
Delta R.T. -0.006 min

Lab File: BF136039.D

Acq: 30 Oct 2023 21:03

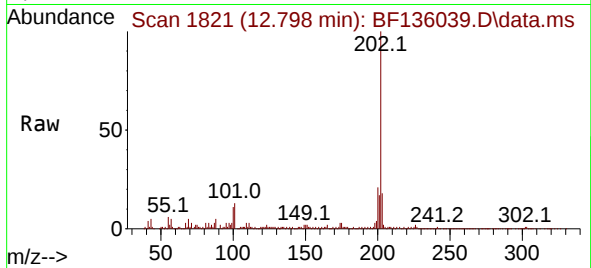
Tgt Ion:240 Resp: 331785
 Ion Ratio Lower Upper
 240 100
 120 10.6 7.6 11.4
 236 25.5 20.6 31.0





#78
Pyrene
Concen: 3.628 ng
RT: 12.798 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

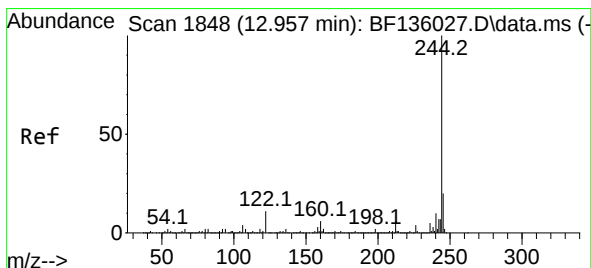
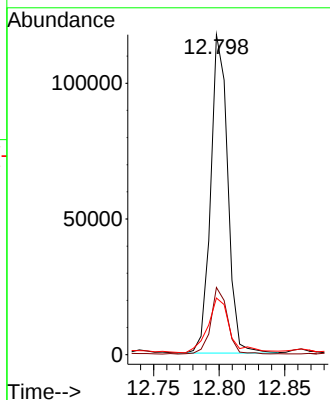
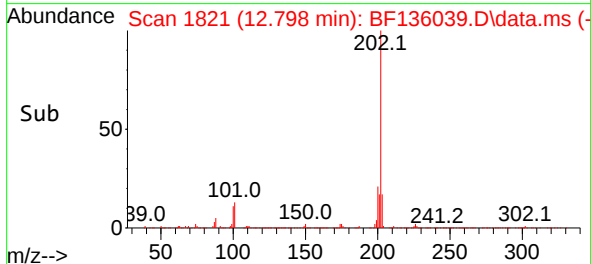
Instrument :
BNA_F
ClientSampleId :
EO-03-102323



Tgt Ion:202 Resp: 10612
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 17.7 14.4 21.6

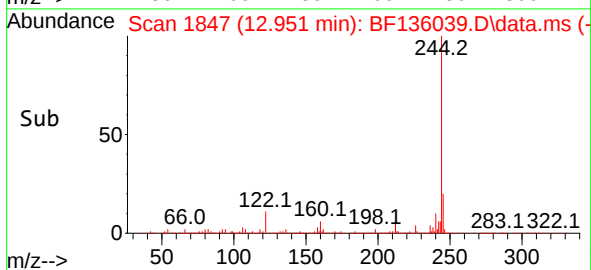
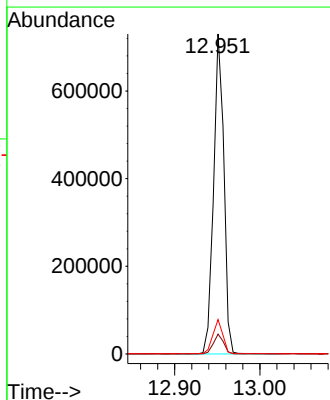
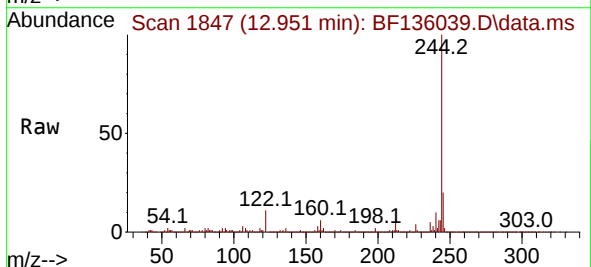
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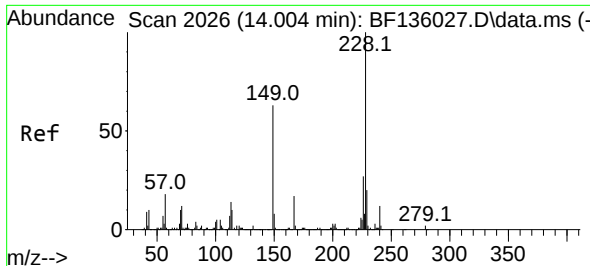
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



#79
Terphenyl-d14
Concen: 28.741 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

Tgt Ion:244 Resp: 613624
Ion Ratio Lower Upper
244 100
212 6.2 5.1 7.7
122 10.8 8.6 12.8





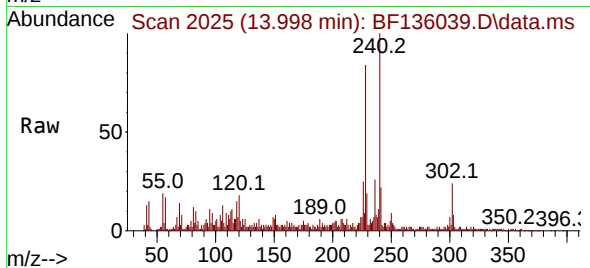
#81
Benzo(a)anthracene
Concen: 2.140 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

Instrument :

BNA_F

ClientSampleId :

EO-03-102323

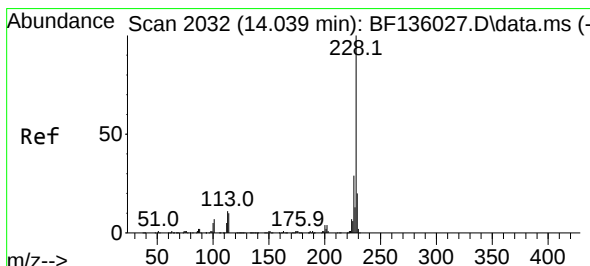
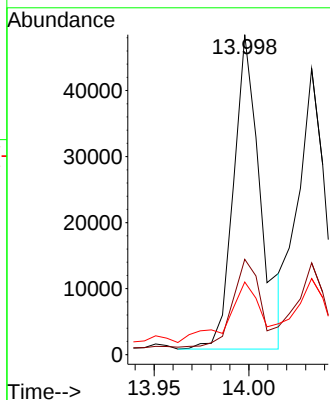
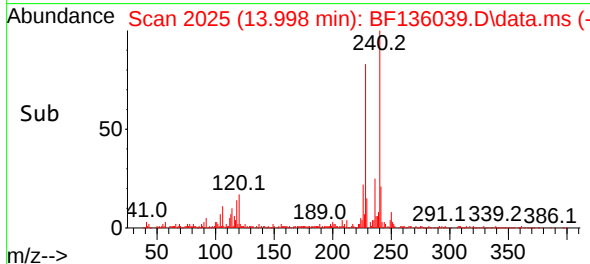


Tgt Ion:228 Resp: 47014
Ion Ratio Lower Upper
228 100
226 29.8 21.5 32.3
229 22.7 15.8 23.6

Manual Integrations

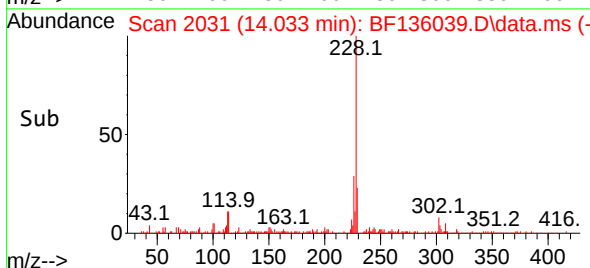
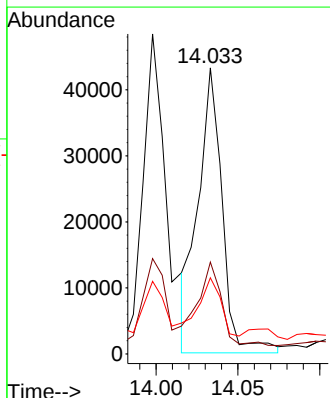
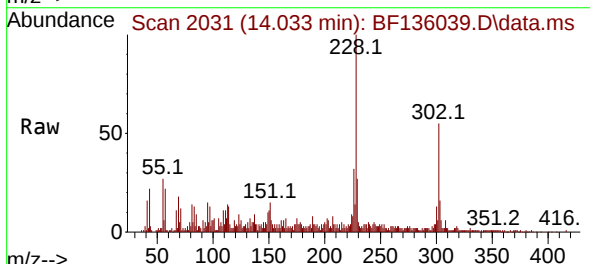
APPROVED

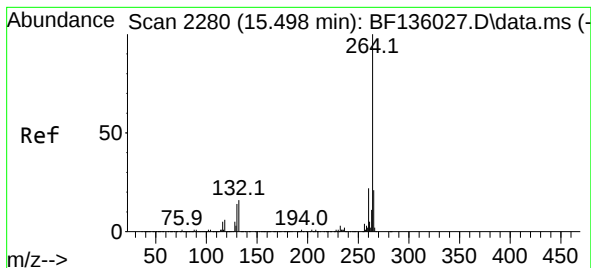
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



#83
Chrysene
Concen: 2.051 ng m
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

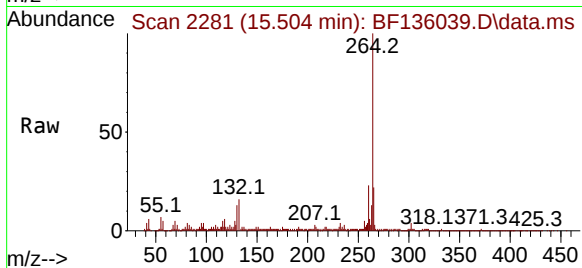
Tgt Ion:228 Resp: 44363
Ion Ratio Lower Upper
228 100
226 32.1 23.5 35.3
229 26.6 16.0 24.0#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

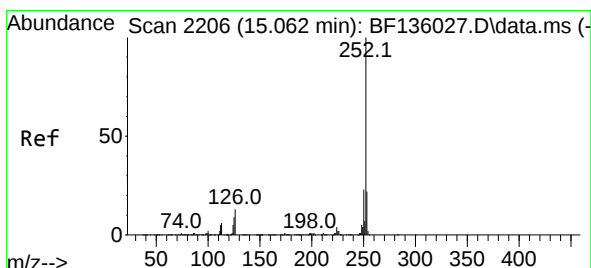
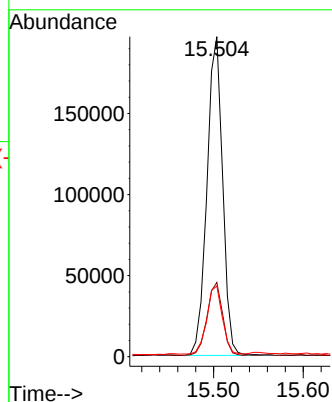
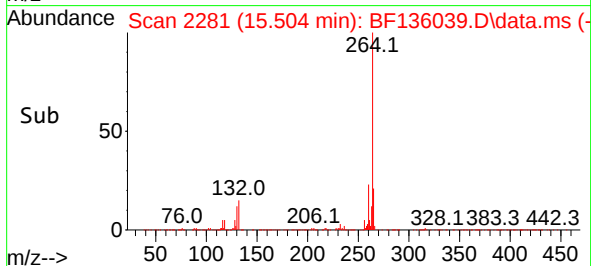
Instrument :
BNA_F
ClientSampleId :
EO-03-102323



Tgt Ion:264 Resp: 23820
Ion Ratio Lower Upper
264 100
260 23.2 17.9 26.9
265 22.1 16.8 25.2

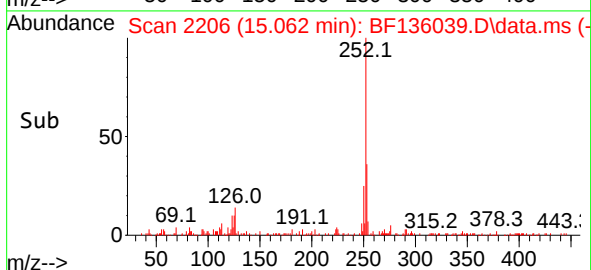
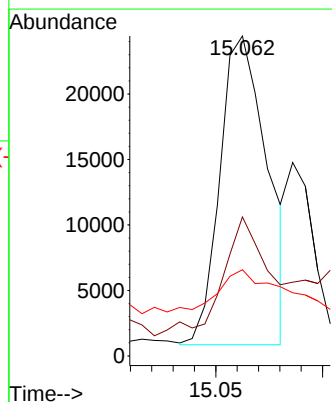
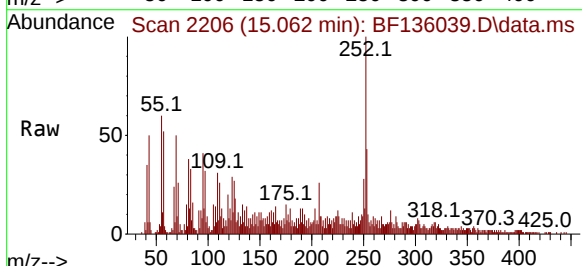
Manual Integrations
APPROVED

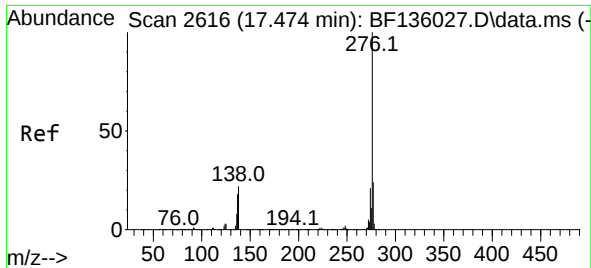
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



#88
Benzo(b)fluoranthene
Concen: 2.581 ng m
RT: 15.062 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

Tgt Ion:252 Resp: 36381
Ion Ratio Lower Upper
252 100
253 43.4 17.7 26.5#
125 27.0 7.5 11.3#





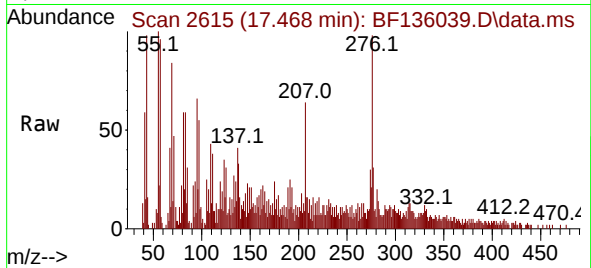
#92
 Benzo(g,h,i)perylene
 Concen: 4.086 ng
 RT: 17.468 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF136039.D
 Acq: 30 Oct 2023 21:03

Instrument :

BNA_F

ClientSampleId :

EO-03-102323



Tgt Ion:276 Resp: 18408
 Ion Ratio Lower Upper
 276 100
 277 31.1 19.0 28.4
 138 33.8 17.4 26.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/31/2023

Supervised By :mohammad ahmed 10/31/2023

