

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
 Data File : BF136036.D
 Acq On : 30 Oct 2023 19:32
 Operator : CG\JU
 Sample : 05090-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

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

Quant Time: Oct 31 01:41:20 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	172196	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	673106	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	338559	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	542896	20.000	ng	0.00
76) Chrysene-d12	14.010	240	363103	20.000	ng	0.00
86) Perylene-d12	15.492	264	416841	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	1041699	95.062	ng	0.00
7) Phenol-d6	6.451	99	1348614	98.777	ng	0.00
23) Nitrobenzene-d5	7.381	82	806141	72.197	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	368152	101.877	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1433858	67.513	ng	0.00
79) Terphenyl-d14	12.957	244	1306879	55.933	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.380	178	175252	6.411	ng	# 94
75) Fluoranthene	12.574	202	277744	9.891	ng	97
78) Pyrene	12.804	202	239385	7.478	ng	99
81) Benzo(a)anthracene	13.998	228	124888	5.195	ng	98
83) Chrysene	14.033	228	121150	5.118	ng	97
84) Bis(2-ethylhexyl)phtha...	14.004	149	64973	4.867	ng	99
87) Indeno(1,2,3-cd)pyrene	16.992	276	58260	2.139	ng	95
88) Benzo(b)fluoranthene	15.057	252	183189m	7.427	ng	
89) Benzo(k)fluoranthene	15.080	252	53321m	2.185	ng	
90) Benzo(a)pyrene	15.427	252	118410	5.167	ng	97
92) Benzo(g,h,i)perylene	17.445	276	50591	4.766	ng	99

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

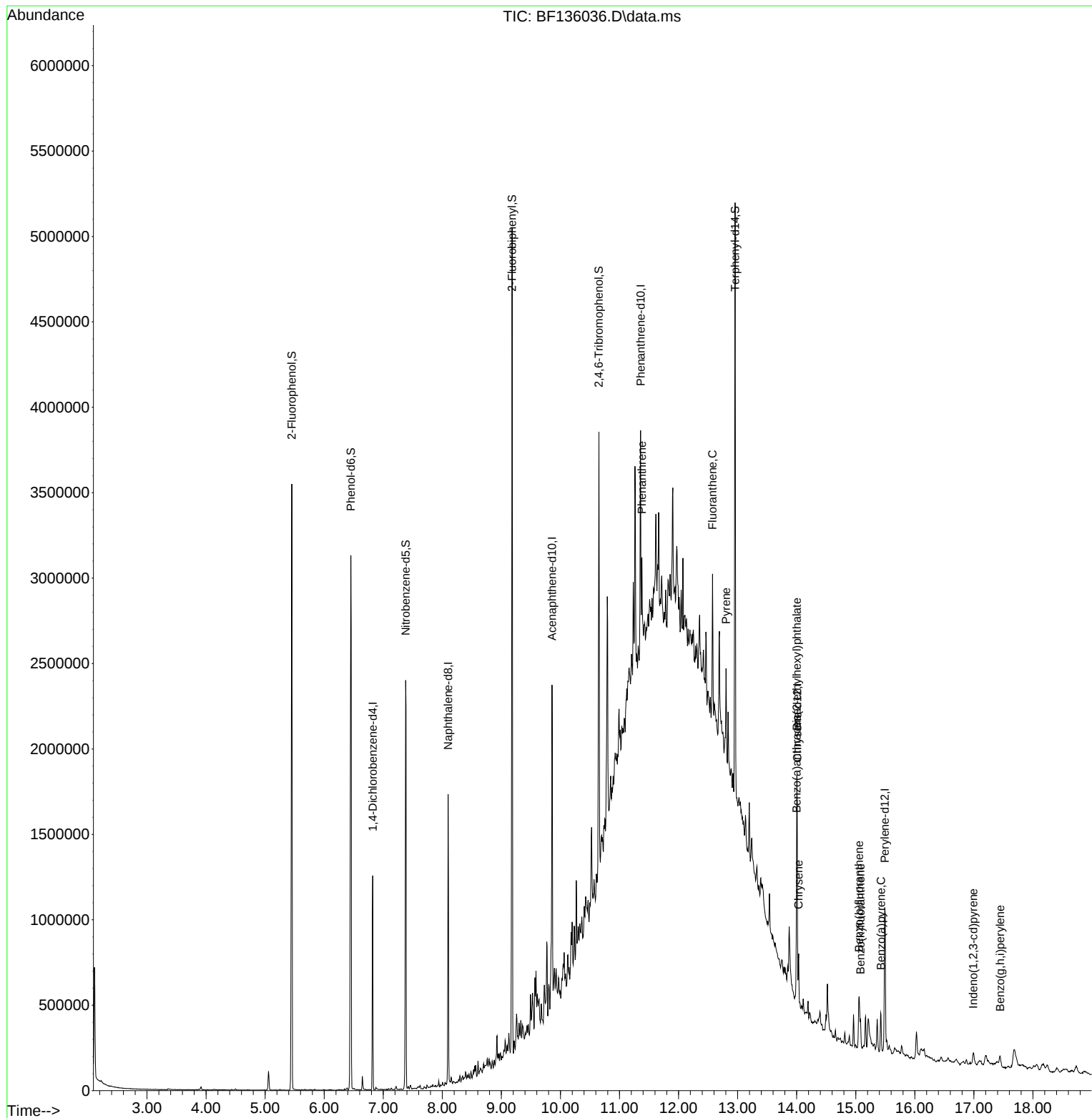
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136036.D
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Operator : CG\JU
Sample : 05090-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

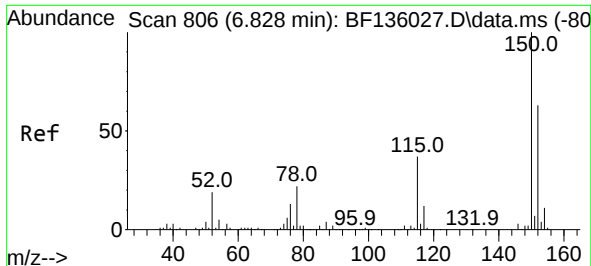
Instrument :
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Quant Time: Oct 31 01:41:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration

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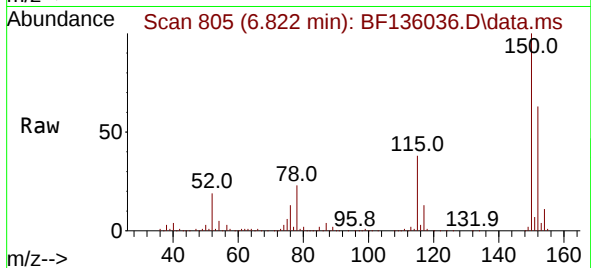
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

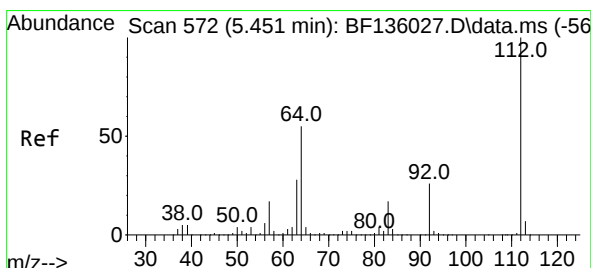
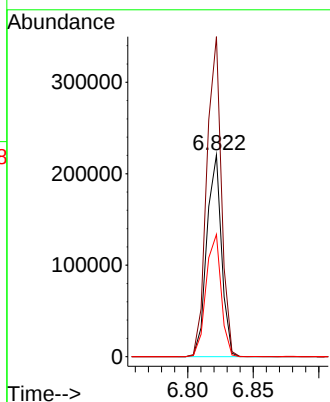
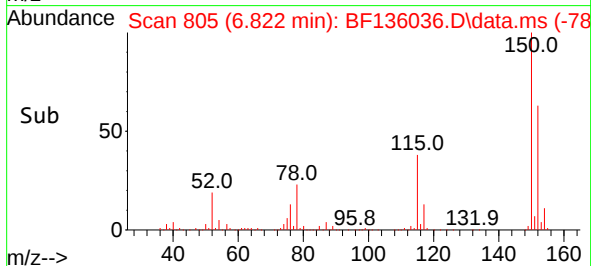
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:152 Resp: 172190
Ion Ratio Lower Upper
152 100
150 158.6 126.4 189.6
115 60.5 47.0 70.4

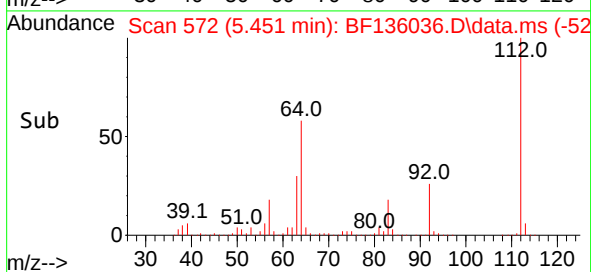
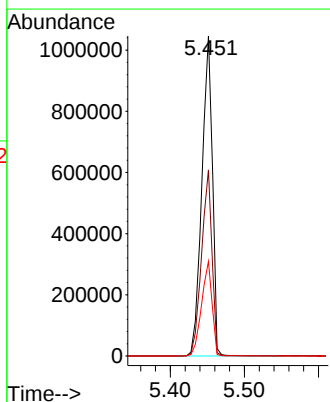
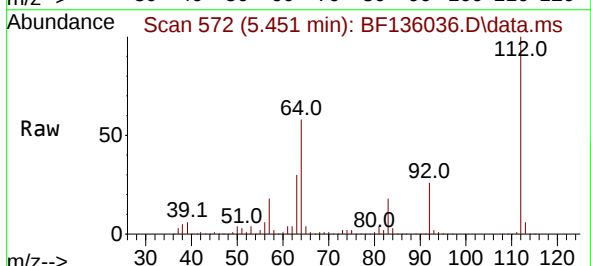
Manual Integrations
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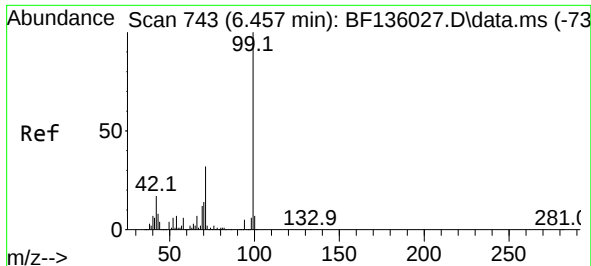
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



#5
2-Fluorophenol
Concen: 95.062 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

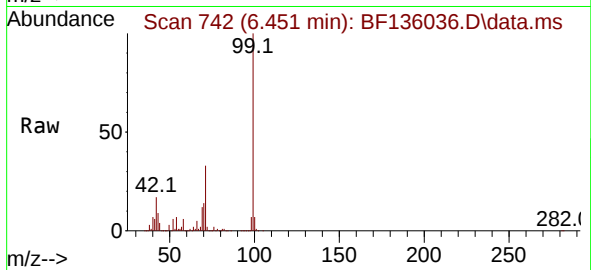
Tgt Ion:112 Resp: 1041699
Ion Ratio Lower Upper
112 100
64 58.2 43.9 65.9
63 29.6 22.4 33.6





#7
Phenol-d6
Concen: 98.777 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

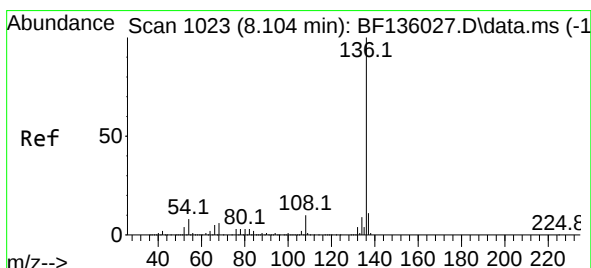
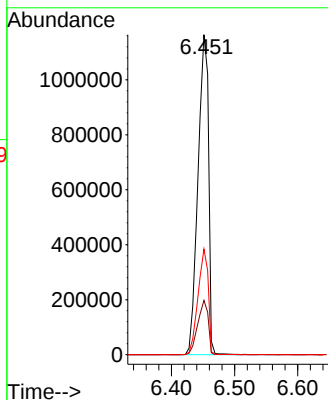
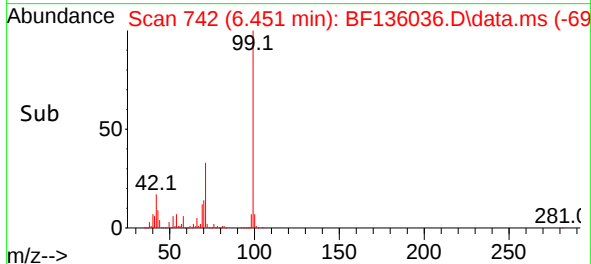
Instrument :
BNA_F
Client SampleId :
WC-1



Tgt Ion: 99 Resp: 1348614
Ion Ratio Lower Upper
99 100
42 17.0 13.7 20.5
71 33.0 25.9 38.9

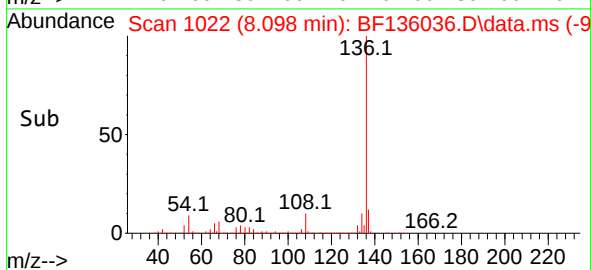
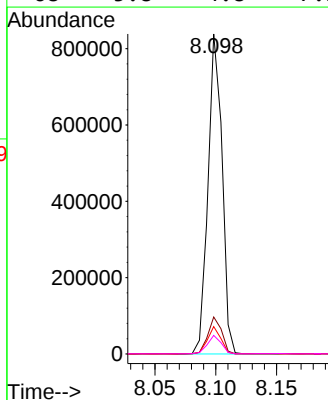
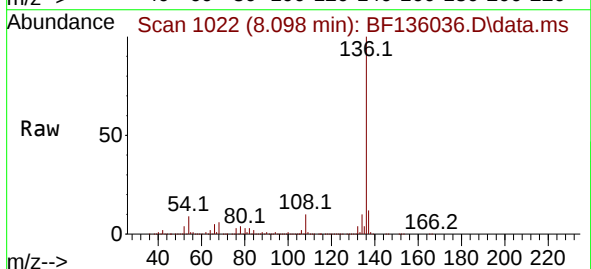
Manual Integrations
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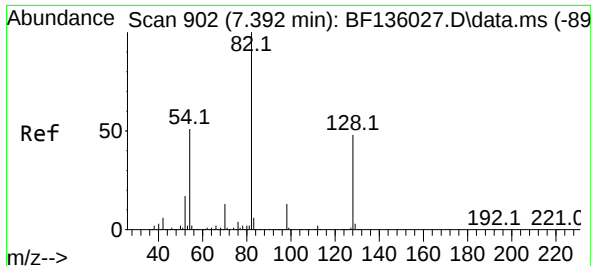
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

Tgt Ion:136 Resp: 673106
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 8.5 6.6 9.8
68 5.8 4.8 7.2





#23

Nitrobenzene-d5

Concen: 72.197 ng

RT: 7.381 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion: 82 Resp: 80614

Ion Ratio Lower Upper

82 100

128 45.9 38.6 57.8

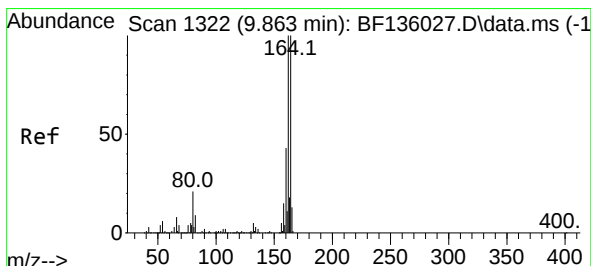
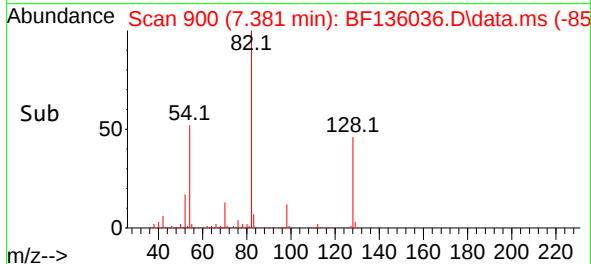
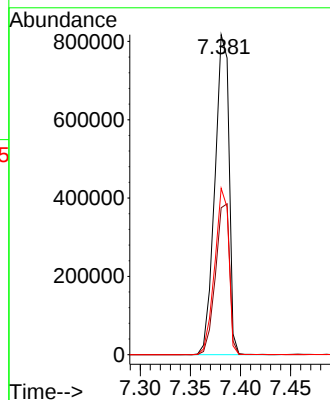
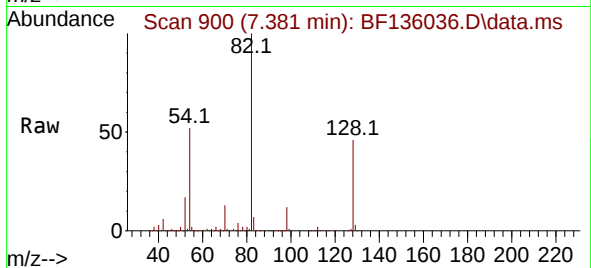
54 52.0 40.8 61.2

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Supervised By :mohammad ahmed 10/31/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

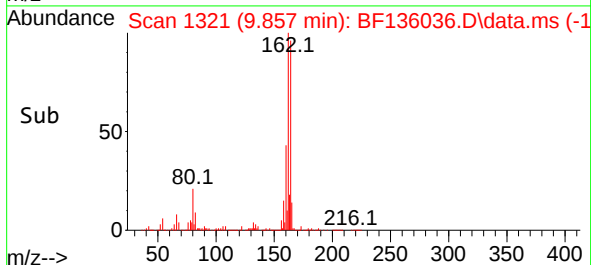
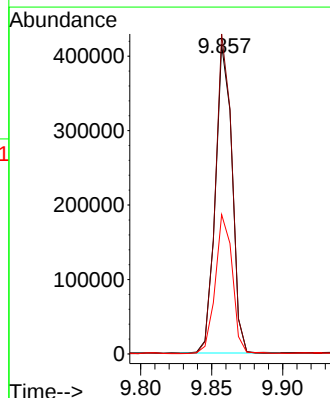
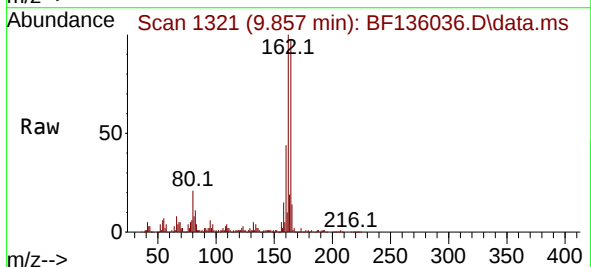
Tgt Ion:164 Resp: 338559

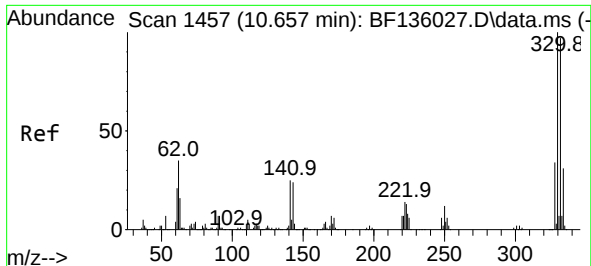
Ion Ratio Lower Upper

164 100

162 103.4 80.1 120.1

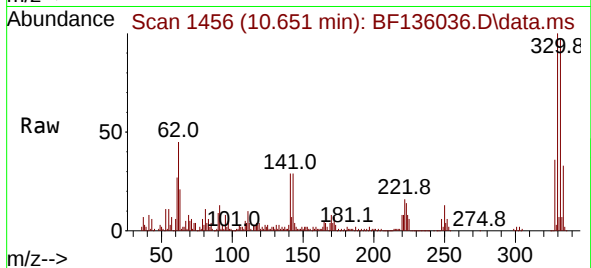
160 45.1 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 101.877 ng
RT: 10.651 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

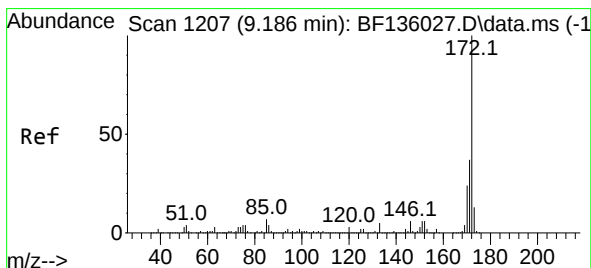
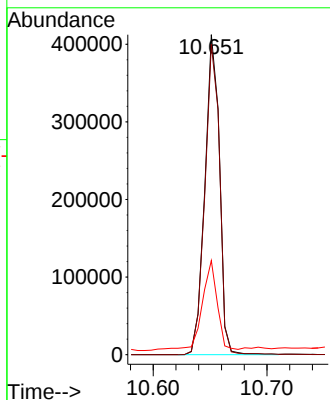
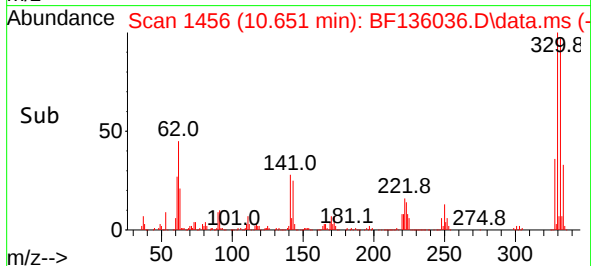
Instrument :
BNA_F
ClientSampleId :
WC-1



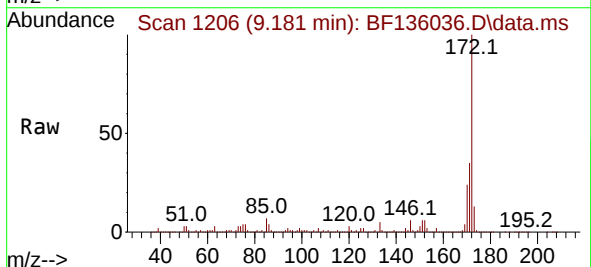
Tgt Ion:330 Resp: 368152
Ion Ratio Lower Upper
330 100
332 97.8 76.9 115.3
141 29.4 23.2 34.8

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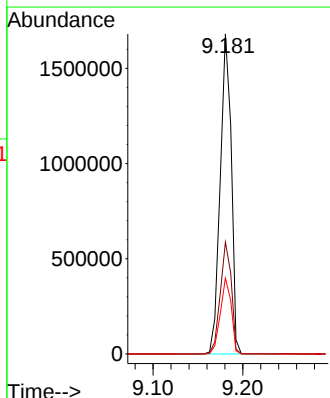
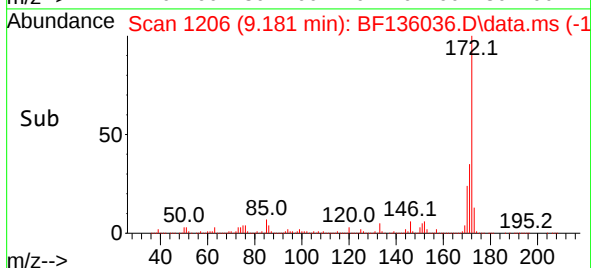
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

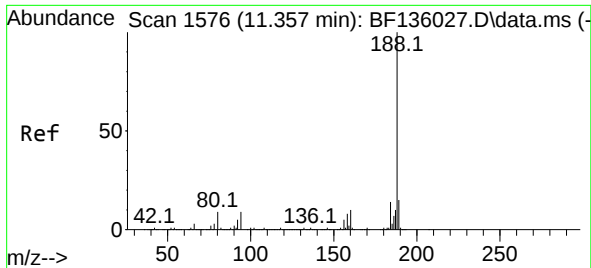


#45
2-Fluorobiphenyl
Concen: 67.513 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32



Tgt Ion:172 Resp: 1433858
Ion Ratio Lower Upper
172 100
171 34.9 29.4 44.0
170 23.7 19.3 28.9





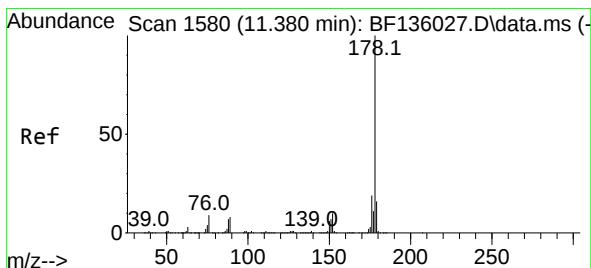
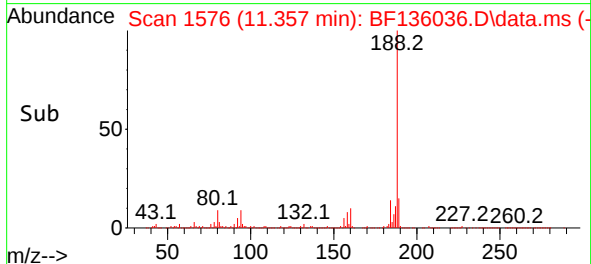
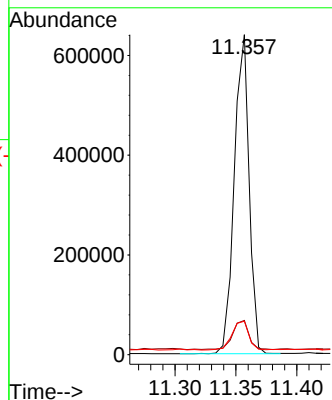
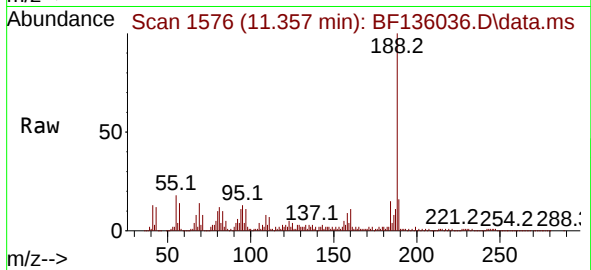
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:188 Resp: 542890
Ion Ratio Lower Upper
188 100
94 10.7 7.2 10.8
80 10.4 7.4 11.0

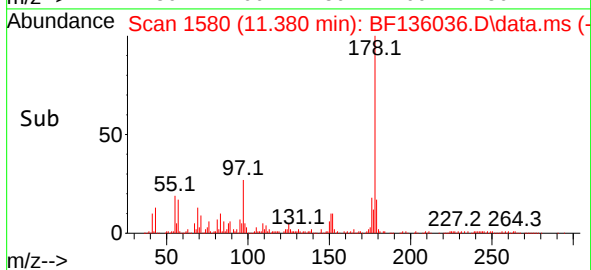
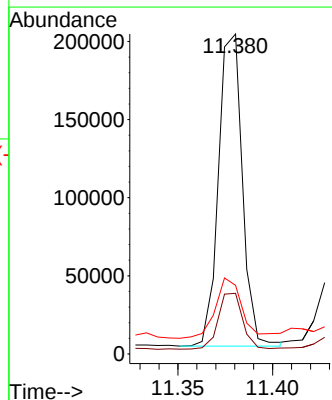
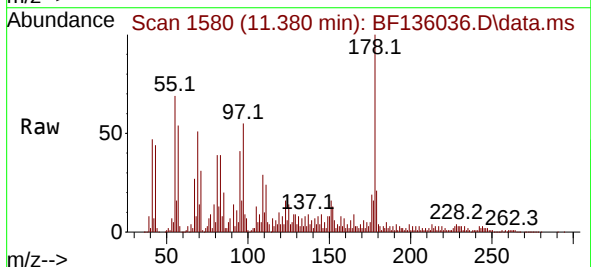
Manual Integrations
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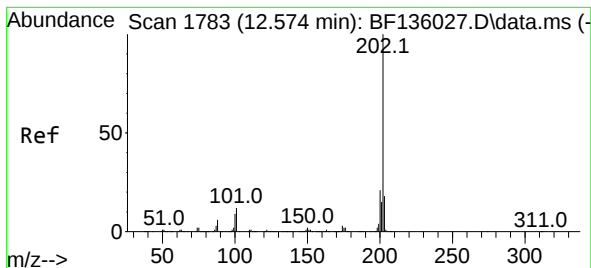
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



#71
Phenanthrene
Concen: 6.411 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

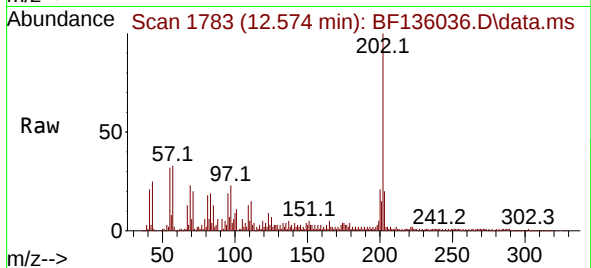
Tgt Ion:178 Resp: 175252
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 21.5 12.9 19.3#





#75
Fluoranthene
Concen: 9.891 ng
RT: 12.574 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

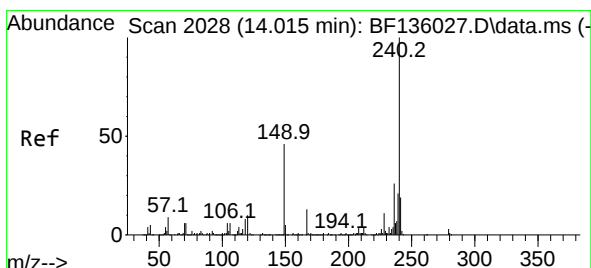
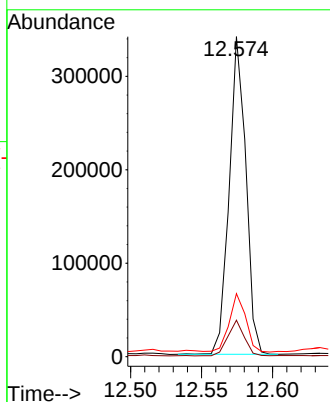
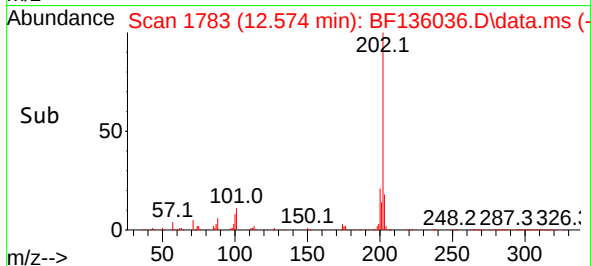
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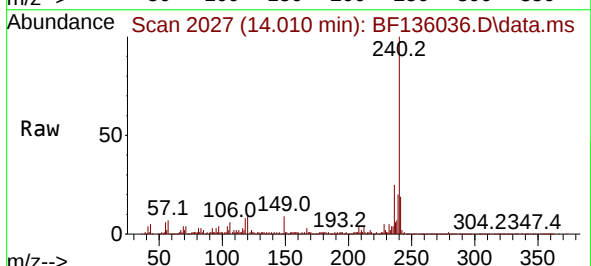
Tgt Ion:202 Resp: 277744
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.8
203 19.7 0.0 37.9

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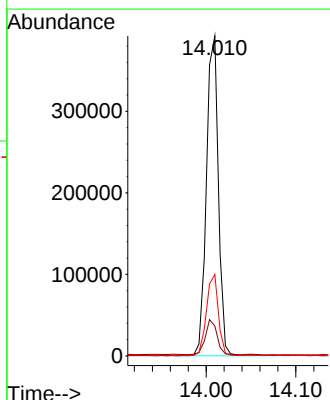
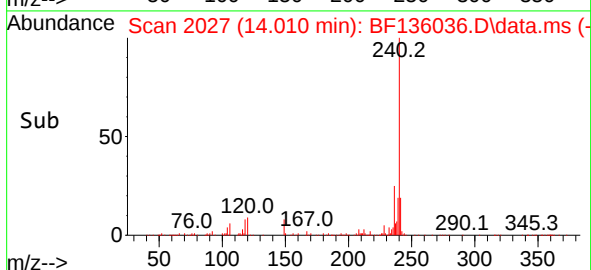
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

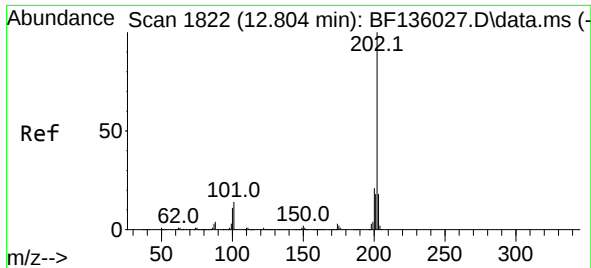


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32



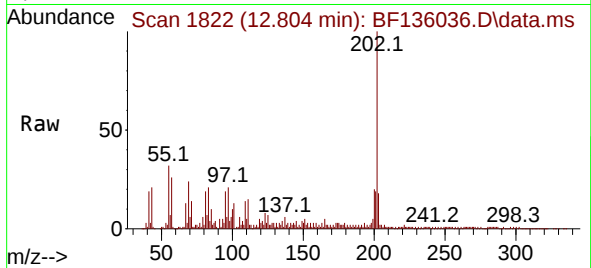
Tgt Ion:240 Resp: 363103
Ion Ratio Lower Upper
240 100
120 9.3 7.6 11.4
236 25.4 20.6 31.0





#78
Pyrene
Concen: 7.478 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

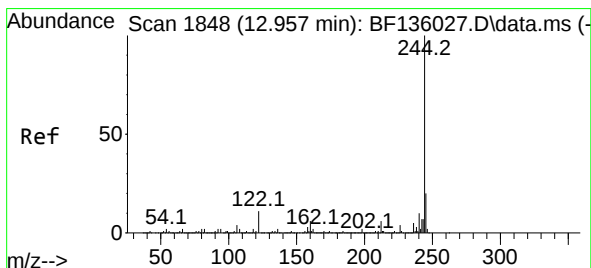
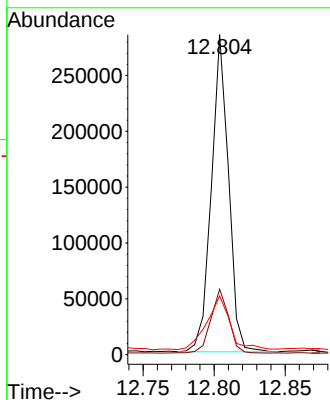
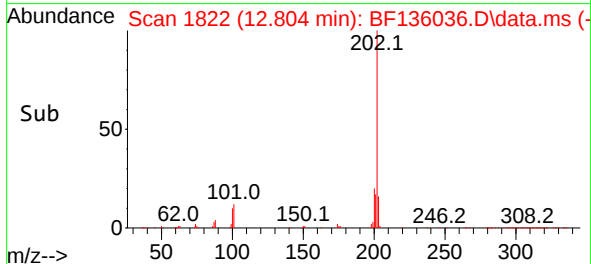
Instrument :
BNA_F
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WC-1



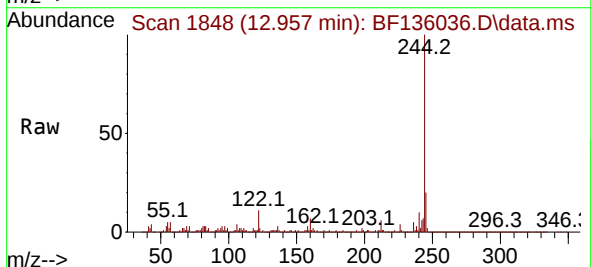
Tgt Ion:202 Resp: 239385
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.4
203 18.4 14.4 21.6

Manual Integrations
APPROVED

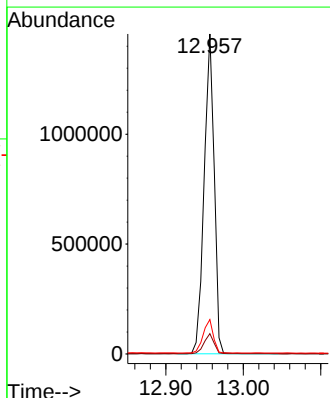
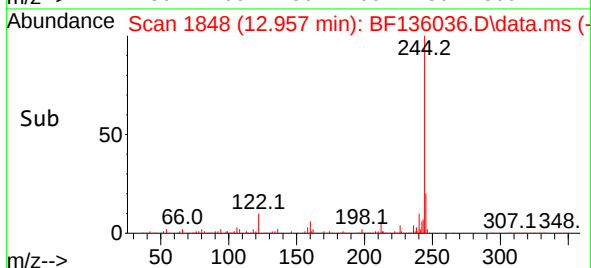
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

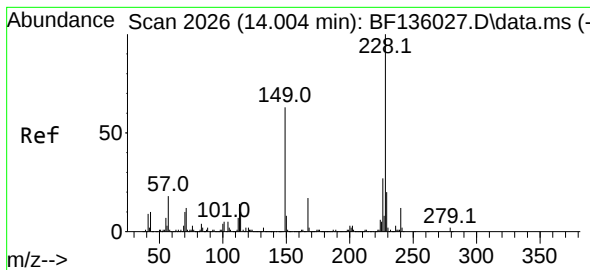


#79
Terphenyl-d14
Concen: 55.933 ng
RT: 12.957 min Scan# 1848
Delta R.T. 0.000 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32



Tgt Ion:244 Resp: 1306879
Ion Ratio Lower Upper
244 100
212 6.3 5.1 7.7
122 10.7 8.6 12.8





#81

Benzo(a)anthracene

Concen: 5.195 ng

RT: 13.998 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:228 Resp: 12488

Ion Ratio Lower Upper

228 100

226 28.2 21.5 32.3

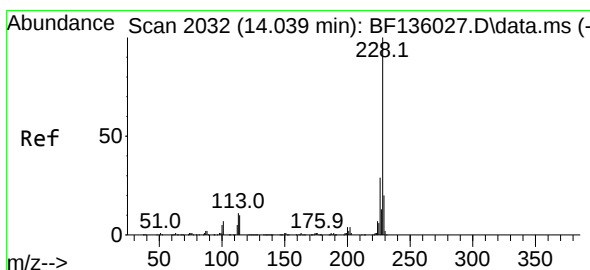
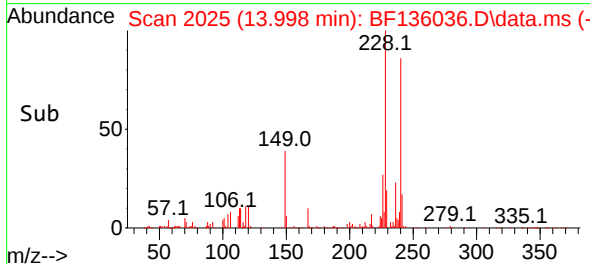
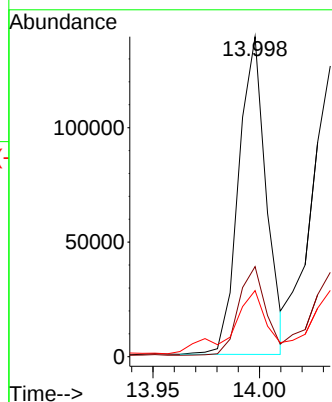
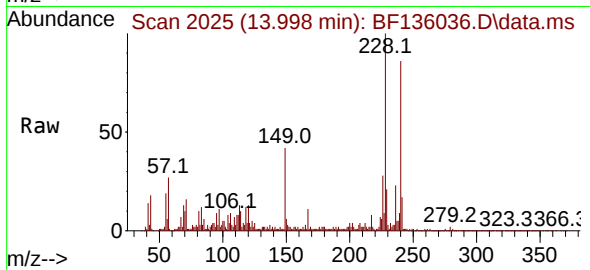
229 20.7 15.8 23.6

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Reviewed By :Yogesh Patel 10/31/2023

Supervised By :mohammad ahmed 10/31/2023



#83

Chrysene

Concen: 5.118 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

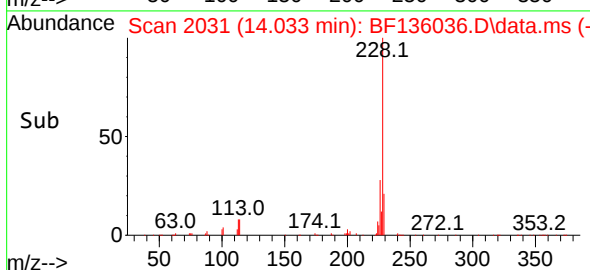
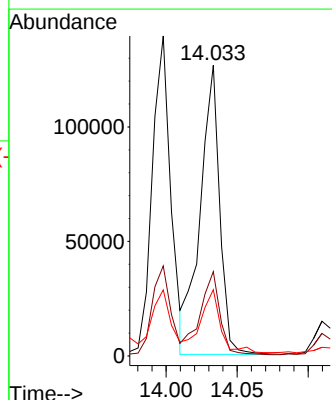
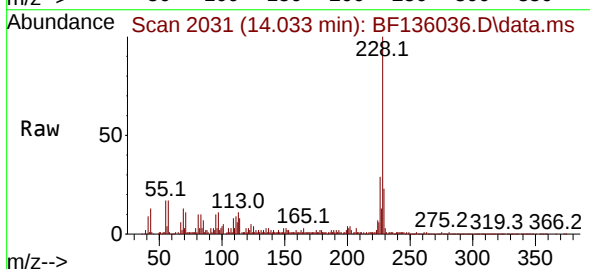
Tgt Ion:228 Resp: 121150

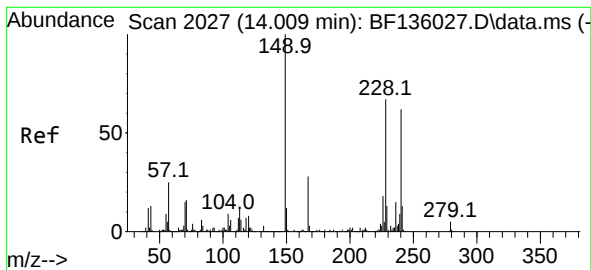
Ion Ratio Lower Upper

228 100

226 29.0 23.5 35.3

229 22.8 16.0 24.0





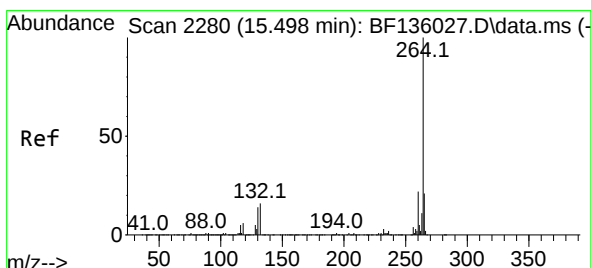
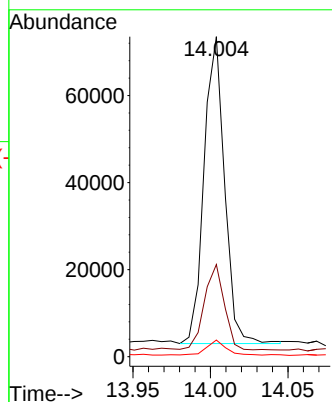
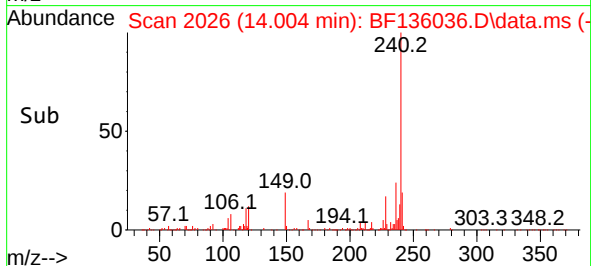
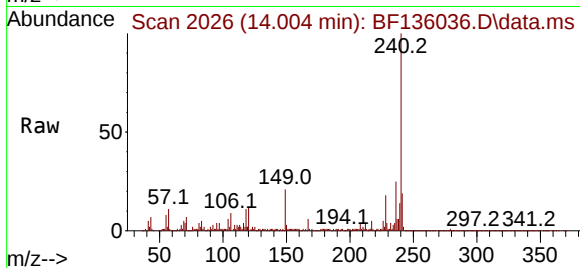
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.867 ng
RT: 14.004 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:149 Resp: 6497
Ion Ratio Lower Upper
149 100
167 28.8 22.6 33.8
279 5.2 4.1 6.1

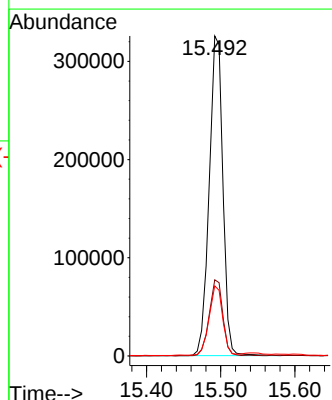
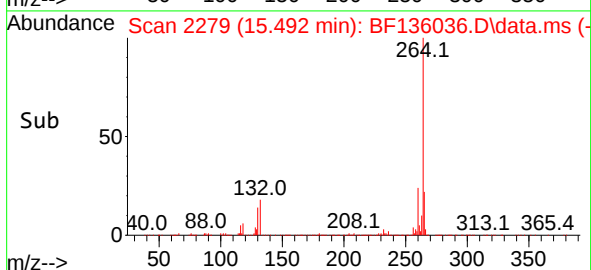
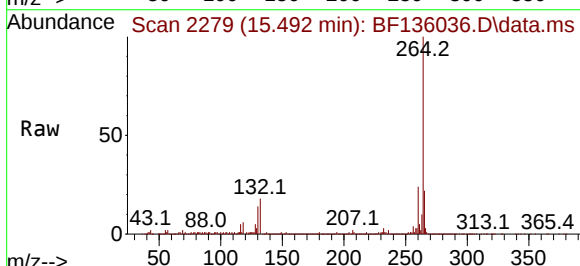
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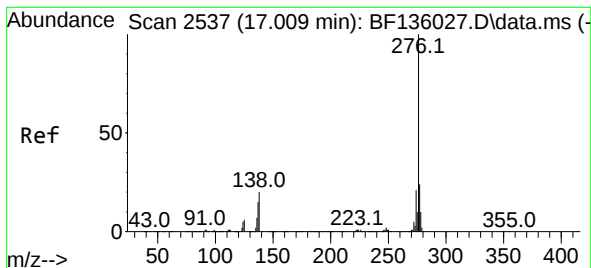
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

Tgt Ion:264 Resp: 416841
Ion Ratio Lower Upper
264 100
260 23.8 17.9 26.9
265 21.9 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.139 ng

RT: 16.992 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:276 Resp: 58260

Ion Ratio Lower Upper

276 100

138 23.3 20.4 30.6

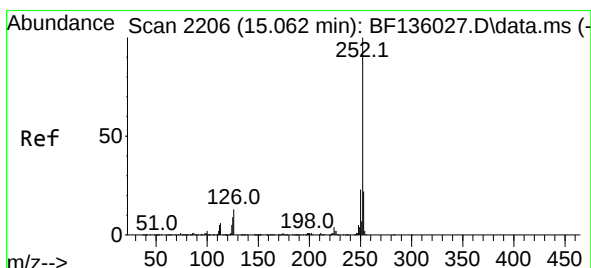
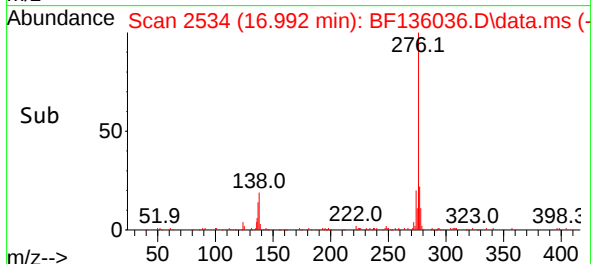
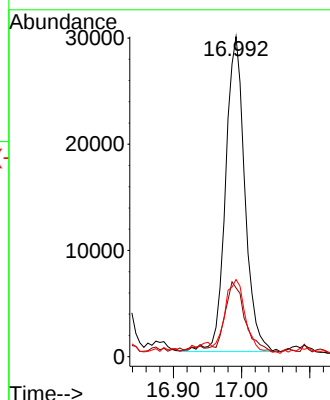
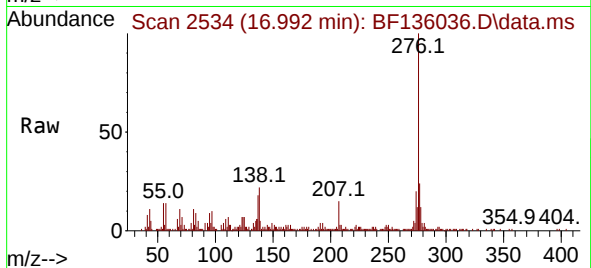
277 28.3 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/31/2023

Supervised By :mohammad ahmed 10/31/2023



#88

Benzo(b)fluoranthene

Concen: 7.427 ng m

RT: 15.057 min Scan# 2205

Delta R.T. -0.006 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

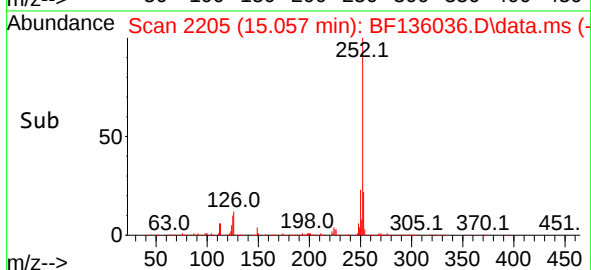
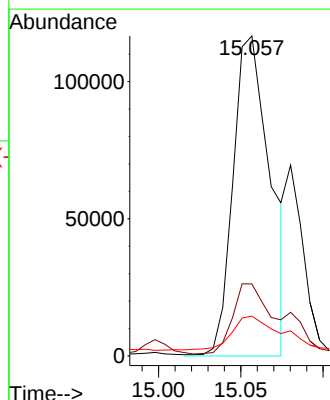
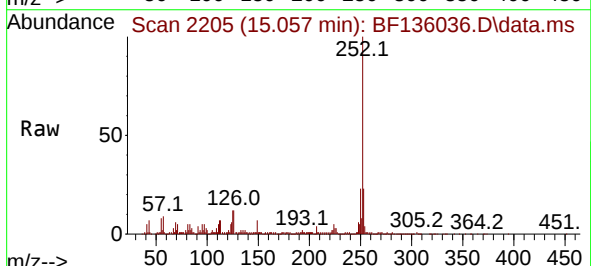
Tgt Ion:252 Resp: 183189

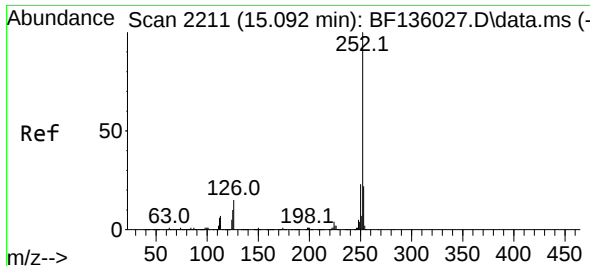
Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

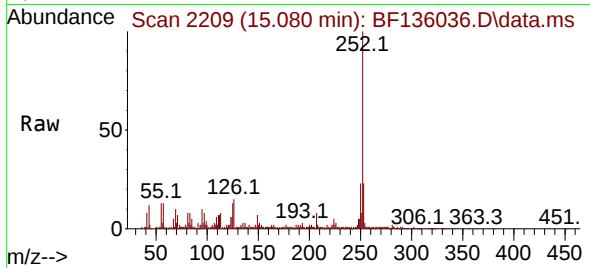
125 12.4 7.5 11.3#





#89
Benzo(k)fluoranthene
Concen: 2.185 ng m
RT: 15.080 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

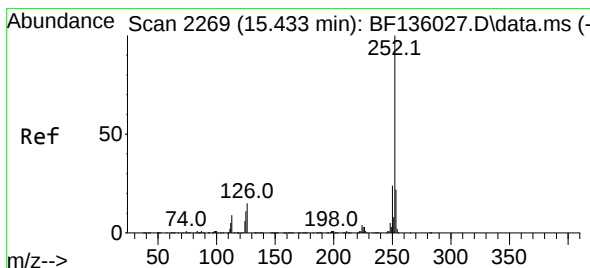
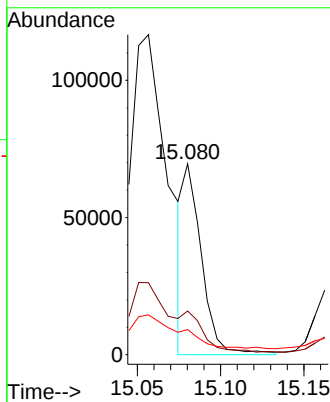
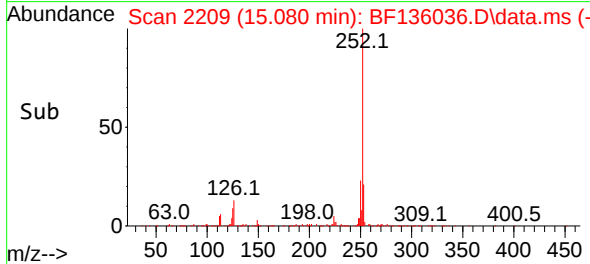
Instrument :
BNA_F
ClientSampleId :
WC-1



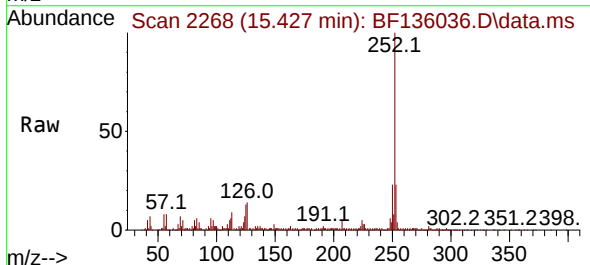
Tgt Ion:252 Resp: 5332
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 13.1 8.0 12.0

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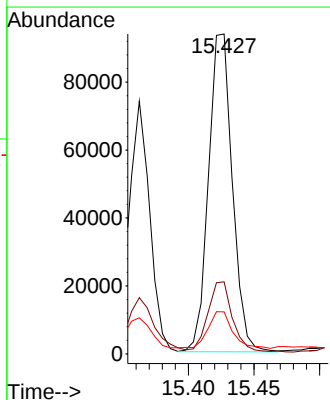
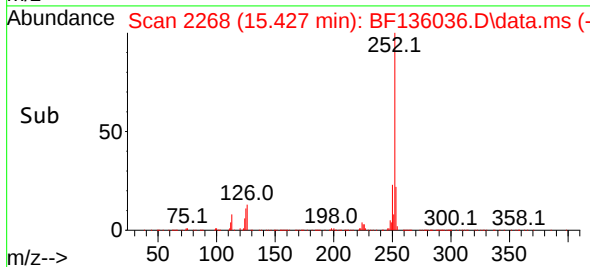
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

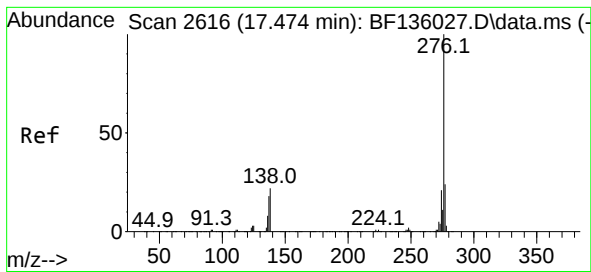


#90
Benzo(a)pyrene
Concen: 5.167 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32



Tgt Ion:252 Resp: 118410
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 13.2 9.0 13.6





#92

Benzo(g,h,i)perylene

Concen: 4.766 ng

RT: 17.445 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:	276	Resp:	5059
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.0	28.4
138	21.9	17.4	26.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/31/2023

Supervised By :mohammad ahmed 10/31/2023

