

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011224\
 Data File : BF137053.D
 Acq On : 12 Jan 2024 17:26
 Operator : CG\JU
 Sample : P1118-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/15/2024
 Supervised By :mohammad ahmed 01/16/2024

Quant Time: Jan 12 22:13:36 2024
 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	59114	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	218031	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	103936	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	174658	20.000	ng	0.00
76) Chrysene-d12	13.968	240	115322	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	140702	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	280156	73.946	ng	0.00
7) Phenol-d6	6.434	99	347309	70.747	ng	0.00
23) Nitrobenzene-d5	7.345	82	209859	49.253	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	86069	70.313	ng	-0.01
45) 2-Fluorobiphenyl	9.134	172	424685	54.956	ng	-0.02
79) Terphenyl-d14	12.904	244	339772	41.173	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	50313	5.614	ng	98
75) Fluoranthene	12.533	202	65815	6.866	ng	99
78) Pyrene	12.763	202	63501	5.609	ng	98
81) Benzo(a)anthracene	13.957	228	27601	3.447	ng	96
83) Chrysene	13.992	228	29402	3.755	ng	97
88) Benzo(b)fluoranthene	15.021	252	36579m	3.892	ng	
90) Benzo(a)pyrene	15.392	252	26473	3.337	ng	99

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

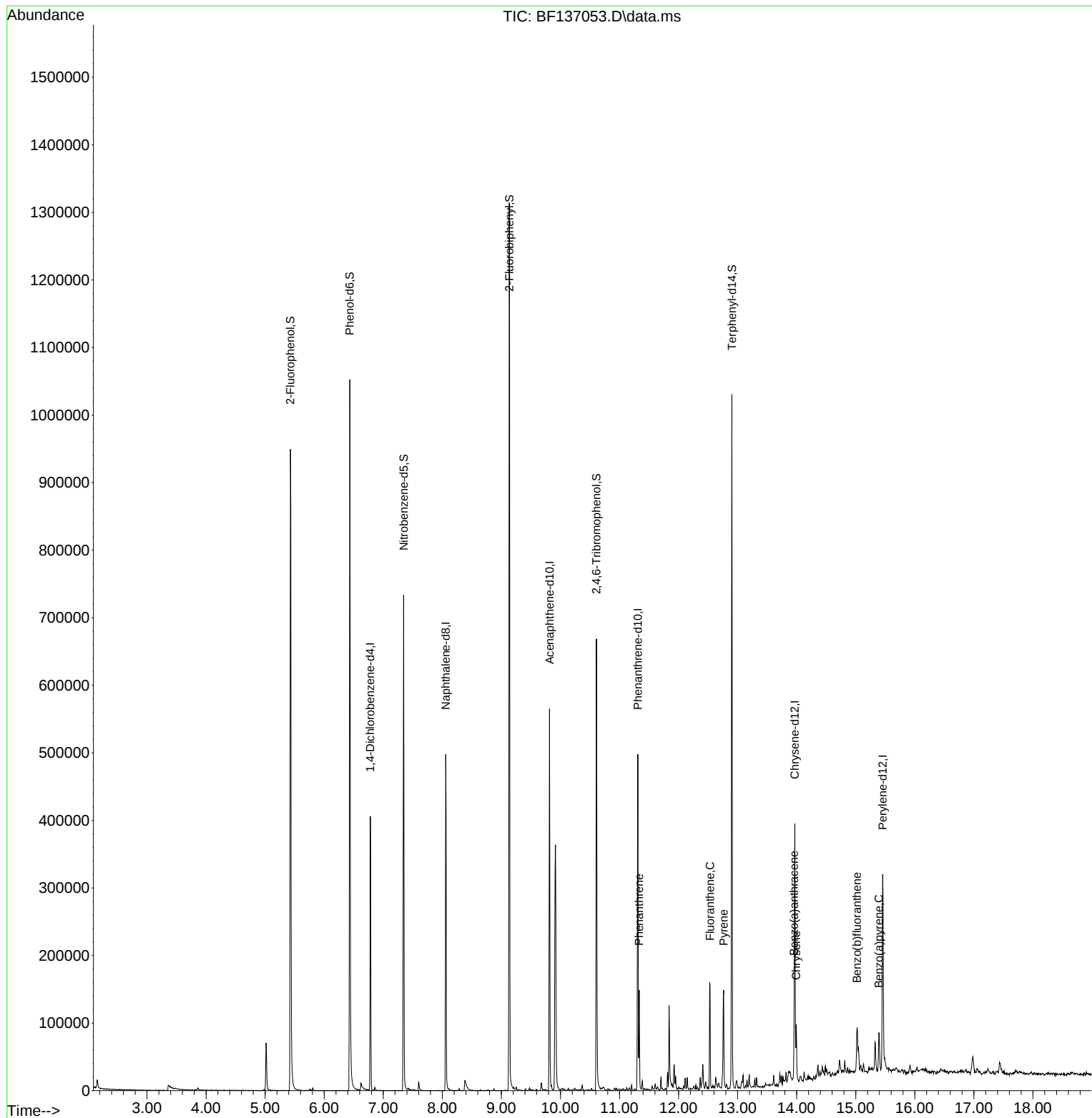
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011224\
Data File : BF137053.D
Acq On : 12 Jan 2024 17:26
Operator : CG\JU
Sample : P1118-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

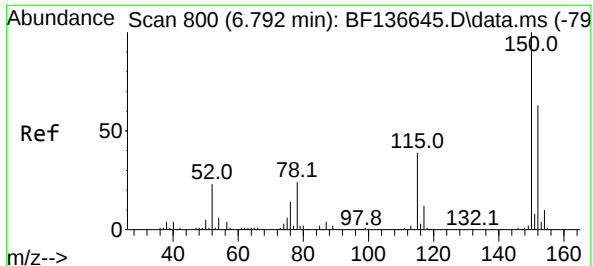
Instrument :
BNA_F
ClientSampleId :
WC-2

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Supervised By :mohammad ahmed 01/16/2024

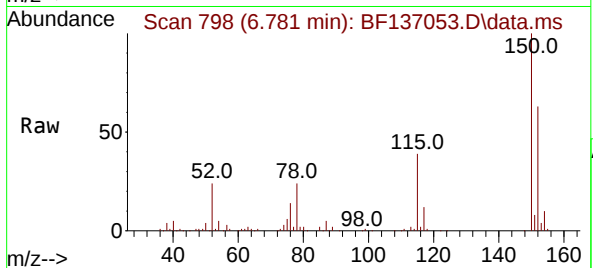
Quant Time: Jan 12 22:13:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF137053.D
Acq: 12 Jan 2024 17:26

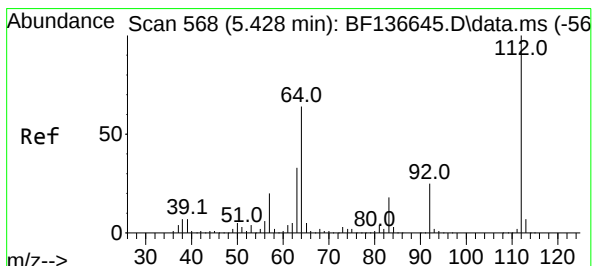
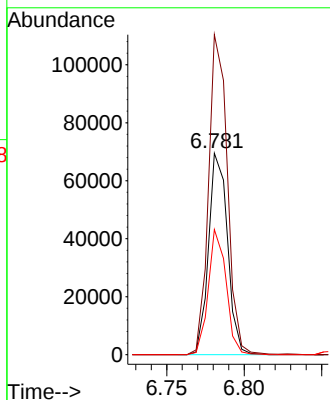
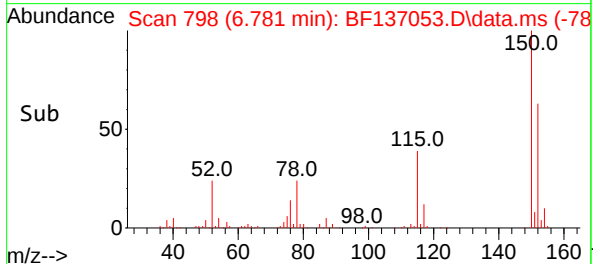
Instrument :
BNA_F
ClientSampleId :
WC-2



Tgt Ion:152 Resp: 59114
Ion Ratio Lower Upper
152 100
150 158.9 127.0 190.6
115 62.2 49.0 73.4

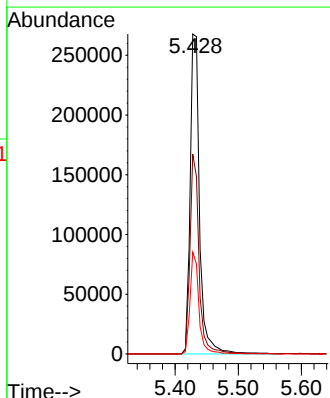
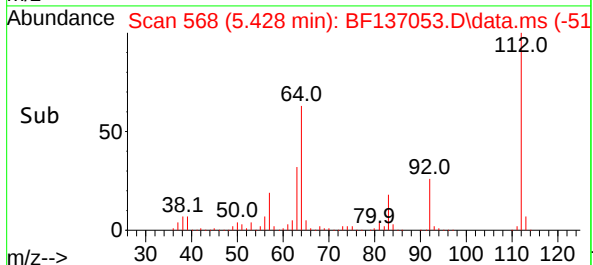
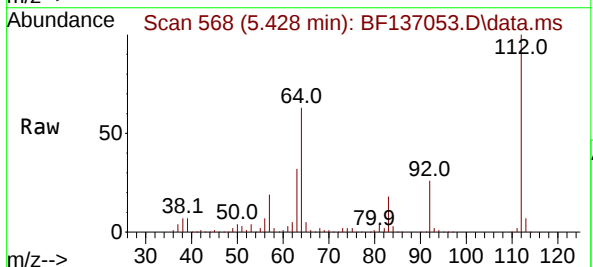
Manual Integrations
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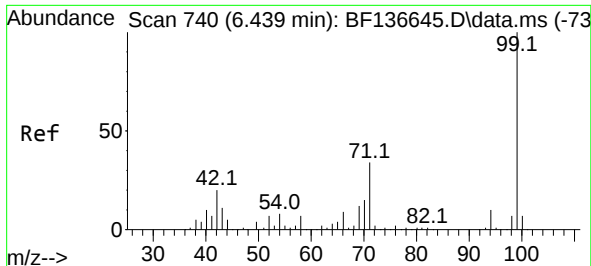
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#5
2-Fluorophenol
Concen: 73.946 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137053.D
Acq: 12 Jan 2024 17:26

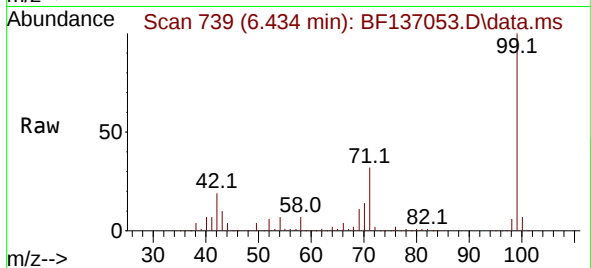
Tgt Ion:112 Resp: 280156
Ion Ratio Lower Upper
112 100
64 62.5 51.1 76.7
63 31.8 26.1 39.1





#7
Phenol-d6
Concen: 70.747 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137053.D
Acq: 12 Jan 2024 17:26

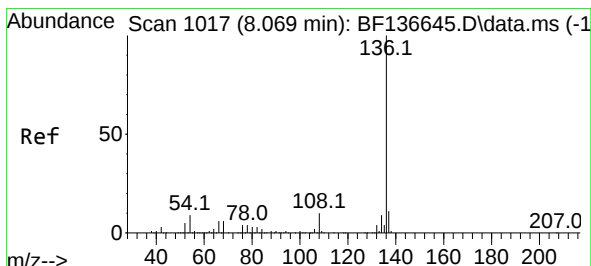
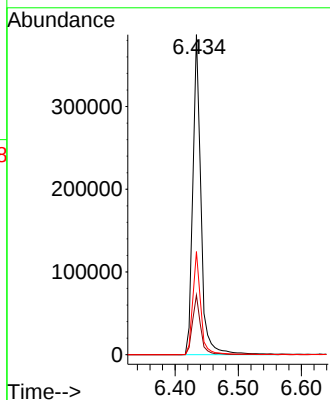
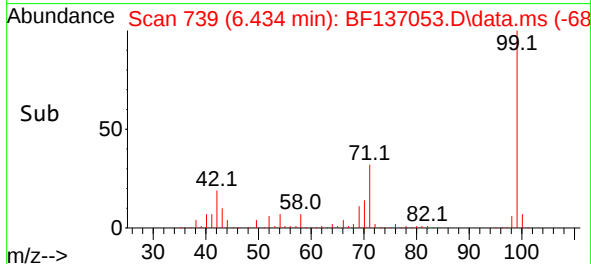
Instrument :
BNA_F
ClientSampleId :
WC-2



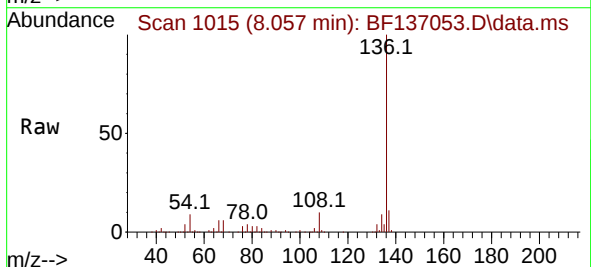
Tgt Ion: 99 Resp: 347309
Ion Ratio Lower Upper
99 100
42 18.6 16.1 24.1
71 32.2 27.4 41.2

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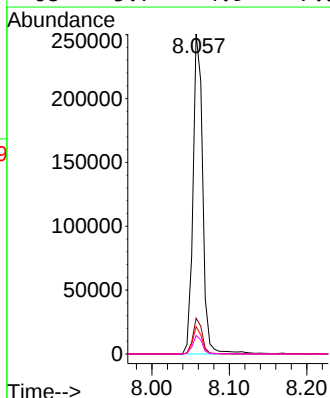
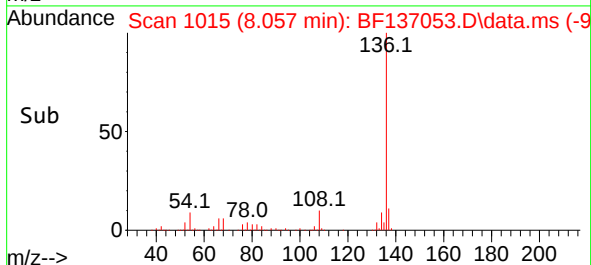
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF137053.D
Acq: 12 Jan 2024 17:26



Tgt Ion:136 Resp: 218031
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 8.6 7.2 10.8
68 5.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 49.253 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF137053.D

Acq: 12 Jan 2024 17:26

Instrument :

BNA_F

ClientSampleId :

WC-2

Tgt Ion: 82 Resp: 20985

Ion Ratio Lower Upper

82 100

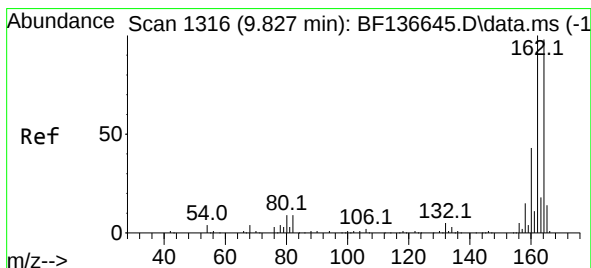
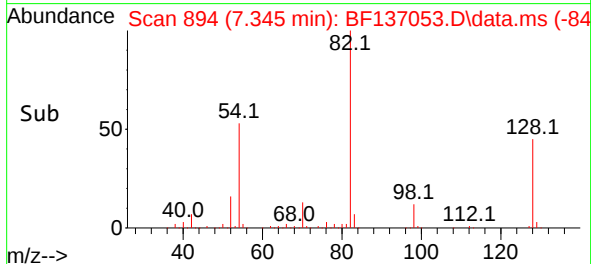
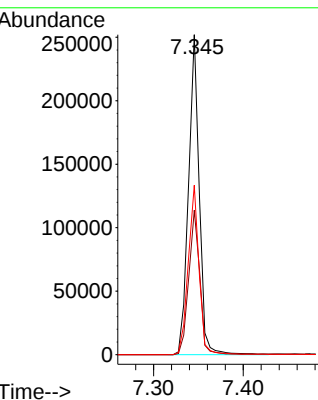
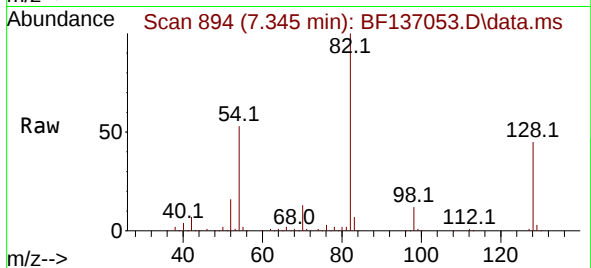
128 45.2 35.3 52.9

54 52.9 44.5 66.7

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Supervised By :mohammad ahmed 01/16/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF137053.D

Acq: 12 Jan 2024 17:26

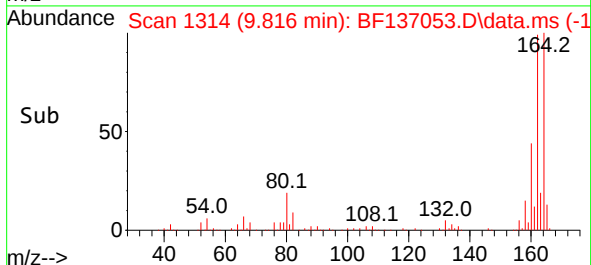
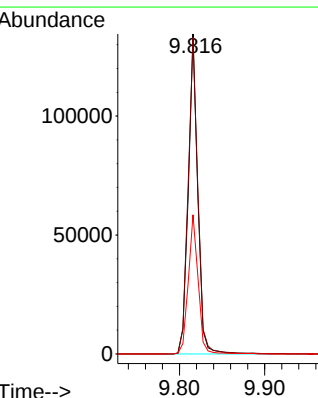
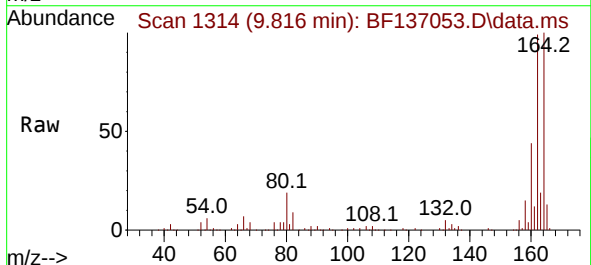
Tgt Ion:164 Resp: 103936

Ion Ratio Lower Upper

164 100

162 99.0 81.6 122.4

160 43.5 34.9 52.3





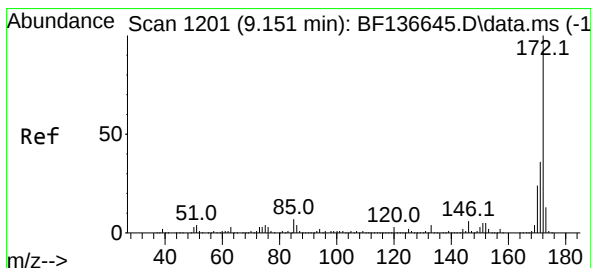
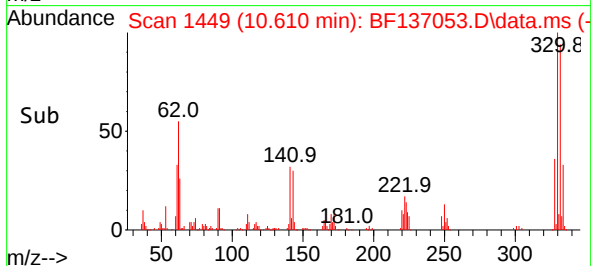
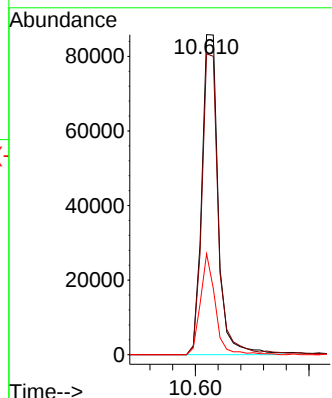
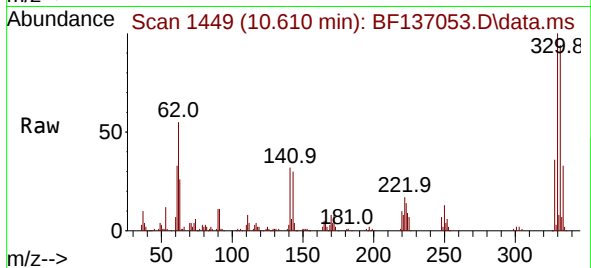
#42
2,4,6-Tribromophenol
Concen: 70.313 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF137053.D
Acq: 12 Jan 2024 17:26

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:330 Resp: 86069
Ion Ratio Lower Upper
330 100
332 95.5 77.4 116.0
141 28.4 23.4 35.2

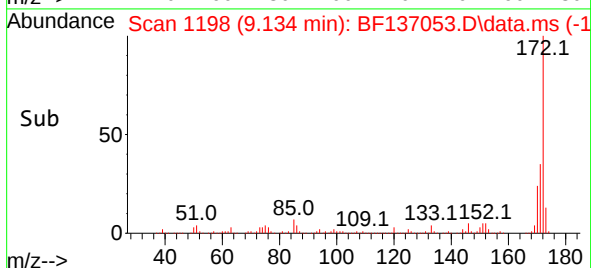
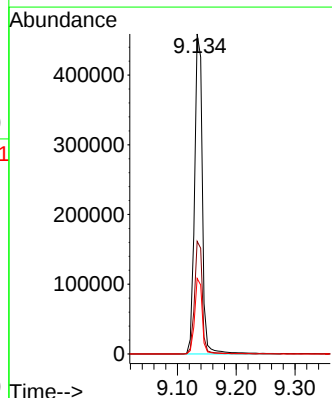
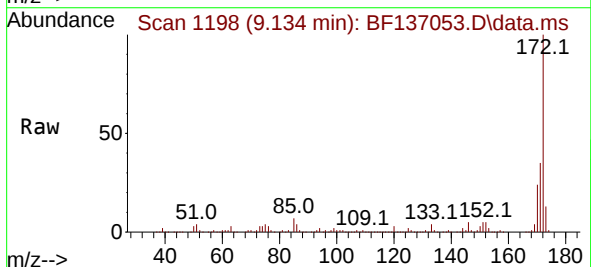
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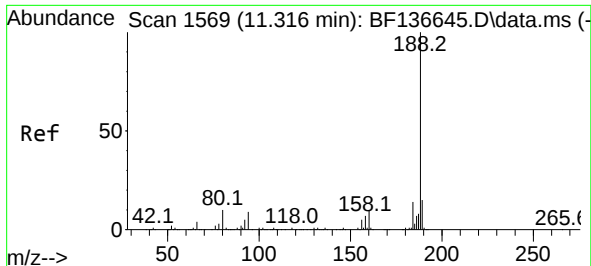
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#45
2-Fluorobiphenyl
Concen: 54.956 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BF137053.D
Acq: 12 Jan 2024 17:26

Tgt Ion:172 Resp: 424685
Ion Ratio Lower Upper
172 100
171 35.2 29.0 43.6
170 23.6 19.0 28.4





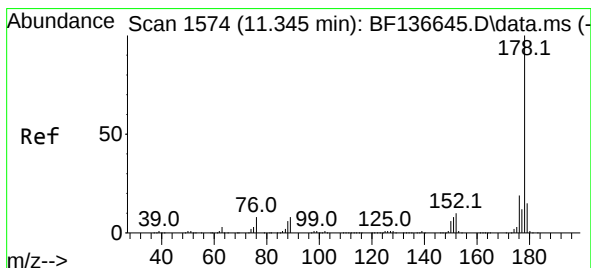
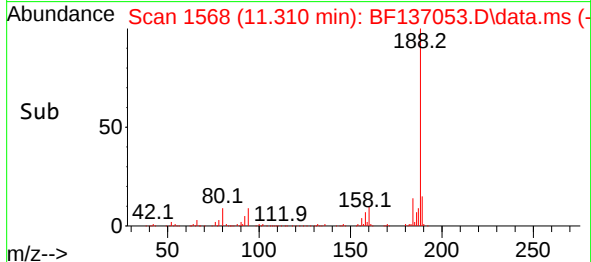
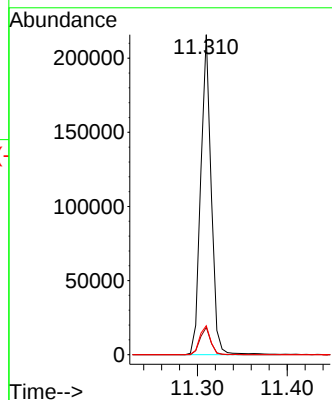
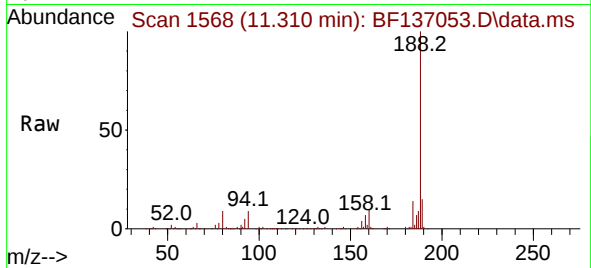
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF137053.D
Acq: 12 Jan 2024 17:26

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:188 Resp: 174658
Ion Ratio Lower Upper
188 100
94 8.5 7.5 11.3
80 9.1 8.1 12.1

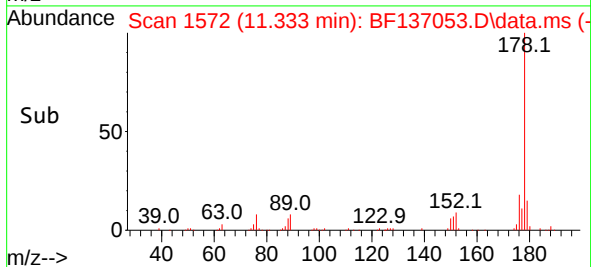
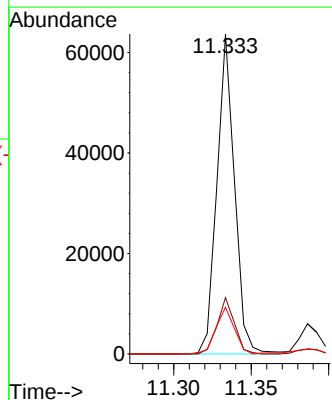
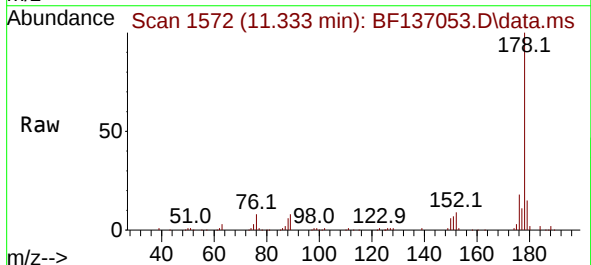
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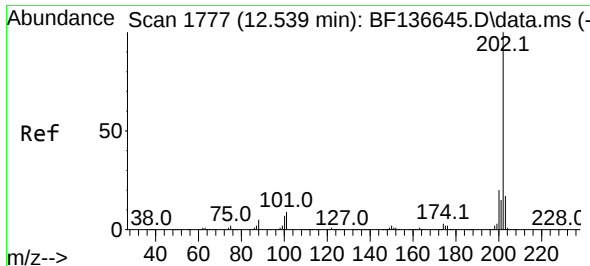
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#71
Phenanthrene
Concen: 5.614 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF137053.D
Acq: 12 Jan 2024 17:26

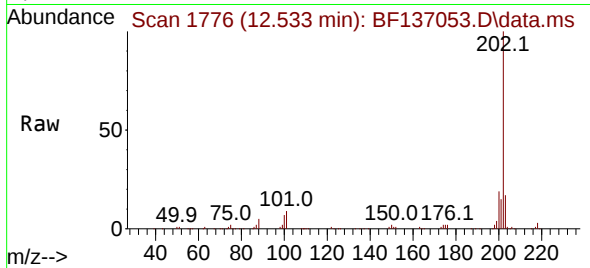
Tgt Ion:178 Resp: 50313
Ion Ratio Lower Upper
178 100
176 17.6 15.3 22.9
179 14.6 11.9 17.9





#75
Fluoranthene
Concen: 6.866 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF137053.D
Acq: 12 Jan 2024 17:26

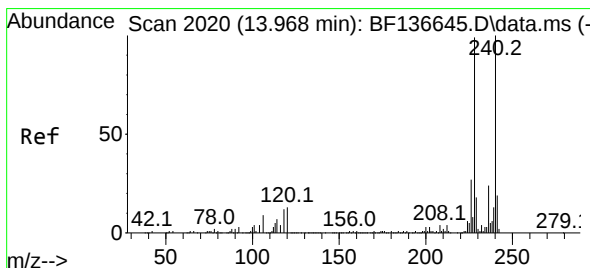
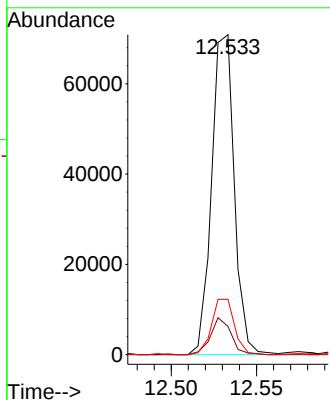
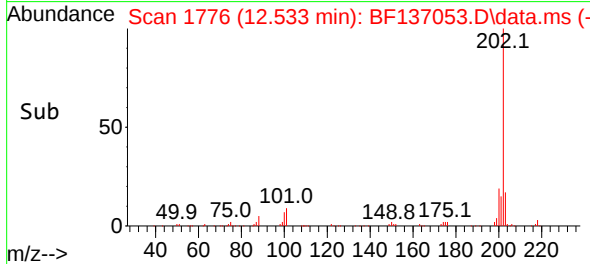
Instrument :
BNA_F
ClientSampleId :
WC-2



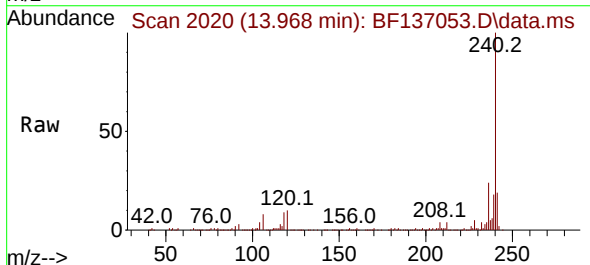
Tgt Ion:202 Resp: 65811
Ion Ratio Lower Upper
202 100
101 8.8 0.0 29.3
203 17.3 0.0 37.1

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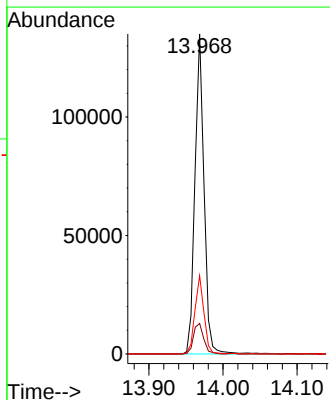
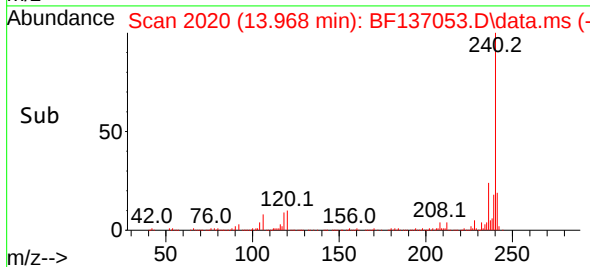
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024

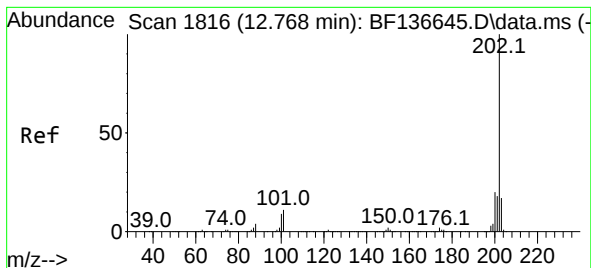


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF137053.D
Acq: 12 Jan 2024 17:26



Tgt Ion:240 Resp: 115322
Ion Ratio Lower Upper
240 100
120 9.5 10.3 15.5#
236 24.4 19.4 29.2





#78

Pyrene

Concen: 5.609 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137053.D

Acq: 12 Jan 2024 17:26

Instrument :

BNA_F

ClientSampleId :

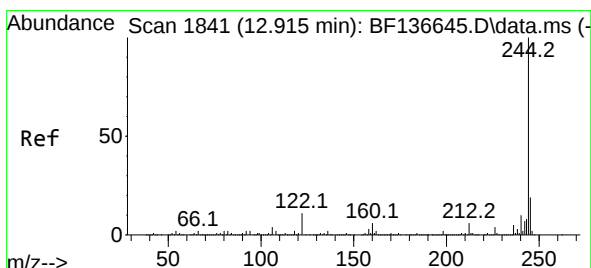
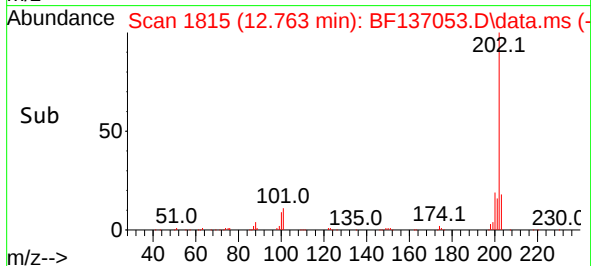
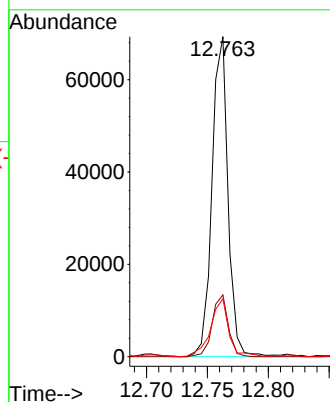
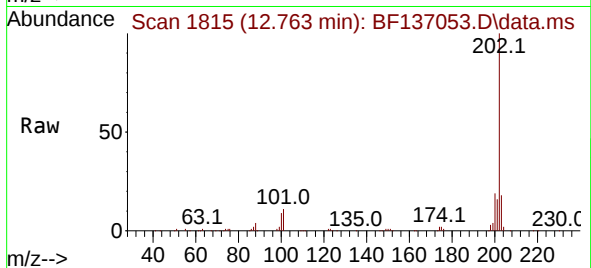
WC-2

Tgt Ion:	202	Resp:	6350
Ion Ratio	Lower	Upper	
202	100		
200	19.3	15.9	23.9
203	18.1	13.8	20.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#79

Terphenyl-d14

Concen: 41.173 ng

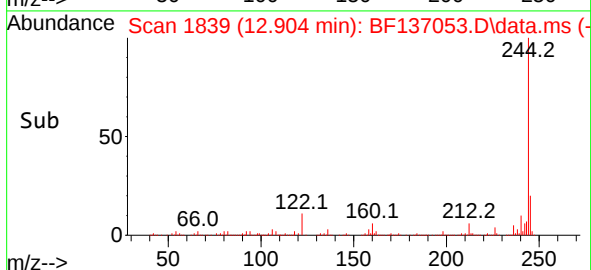
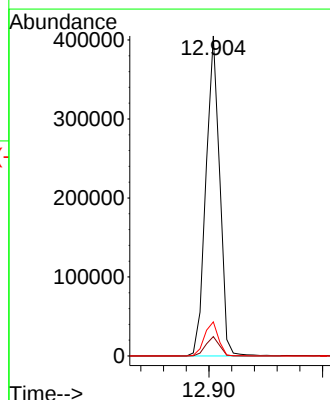
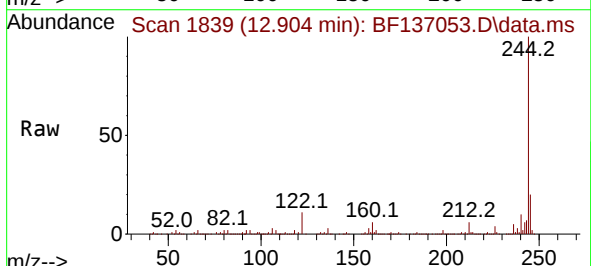
RT: 12.904 min Scan# 1839

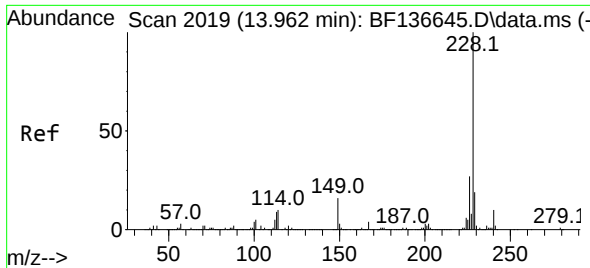
Delta R.T. -0.012 min

Lab File: BF137053.D

Acq: 12 Jan 2024 17:26

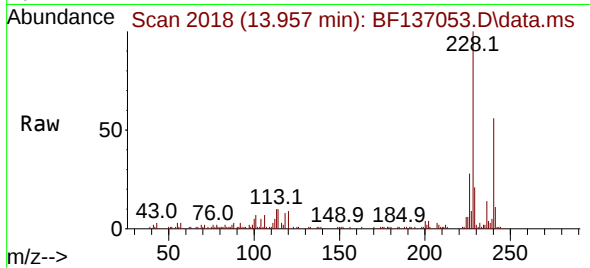
Tgt Ion:	244	Resp:	339772
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.0	7.4
122	10.6	9.0	13.4





#81
Benzo(a)anthracene
Concen: 3.447 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF137053.D
Acq: 12 Jan 2024 17:26

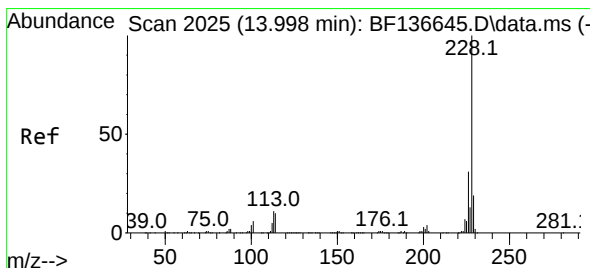
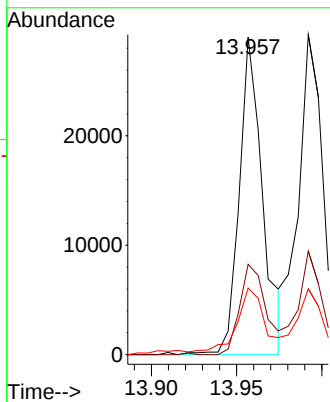
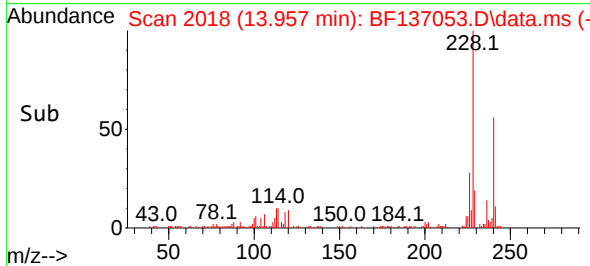
Instrument :
BNA_F
ClientSampleId :
WC-2



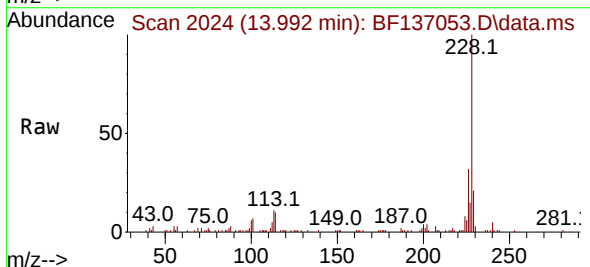
Tgt Ion:228 Resp: 2760
Ion Ratio Lower Upper
228 100
226 28.5 21.4 32.0
229 21.0 14.9 22.3

Manual Integrations
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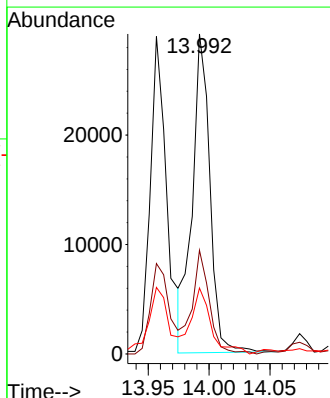
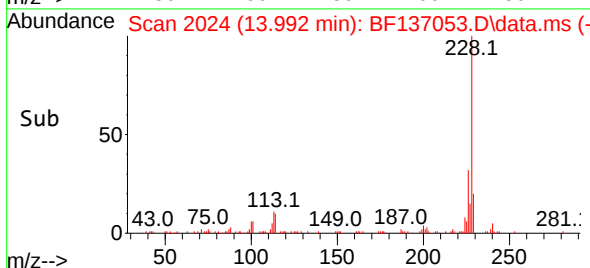
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024

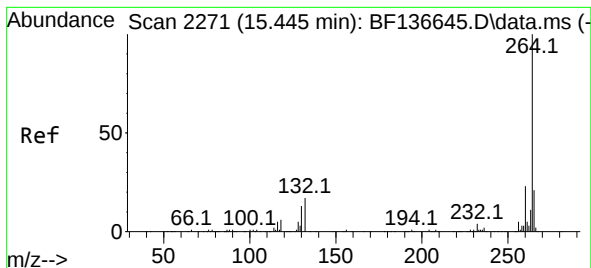


#83
Chrysene
Concen: 3.755 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF137053.D
Acq: 12 Jan 2024 17:26



Tgt Ion:228 Resp: 29402
Ion Ratio Lower Upper
228 100
226 32.4 24.7 37.1
229 20.6 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2199

Delta R.T. 0.012 min

Lab File: BF137053.D

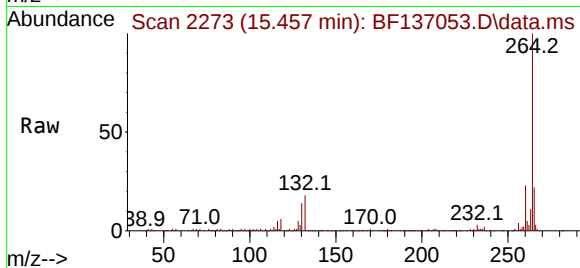
Acq: 12 Jan 2024 17:26

Instrument :

BNA_F

ClientSampleId :

WC-2



Tgt Ion:264 Resp: 14070

Ion Ratio Lower Upper

264 100

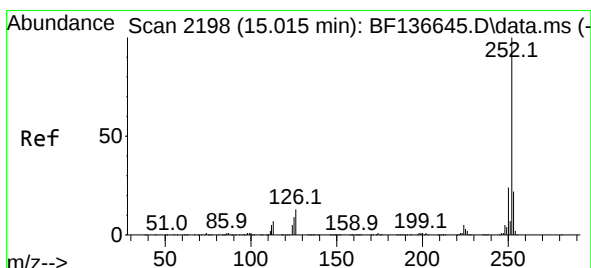
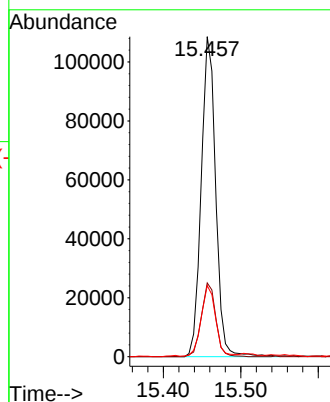
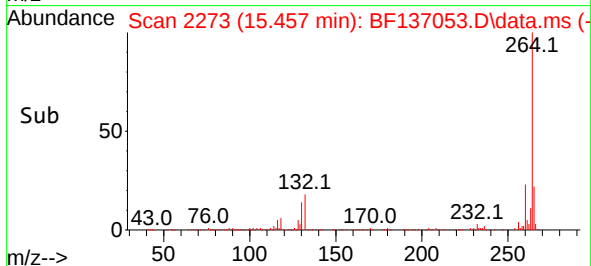
260 23.0 18.3 27.5

265 22.2 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#88

Benzo(b)fluoranthene

Concen: 3.892 ng m

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF137053.D

Acq: 12 Jan 2024 17:26

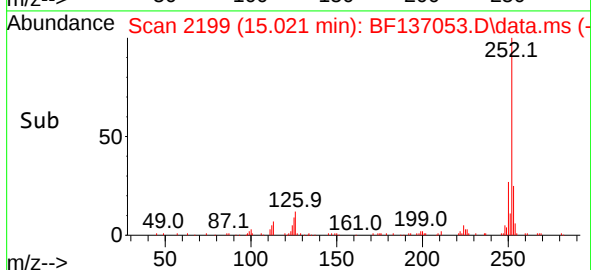
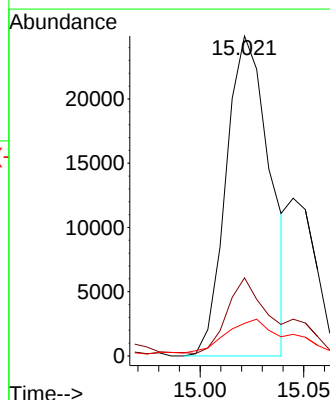
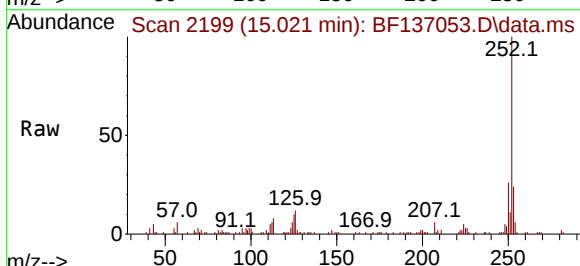
Tgt Ion:252 Resp: 36579

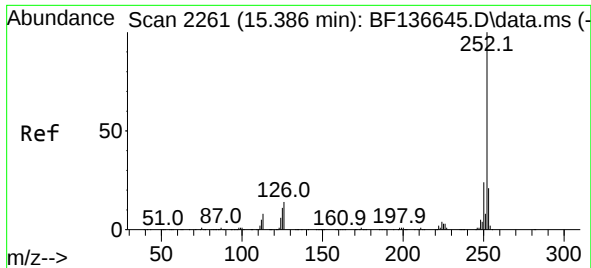
Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.0

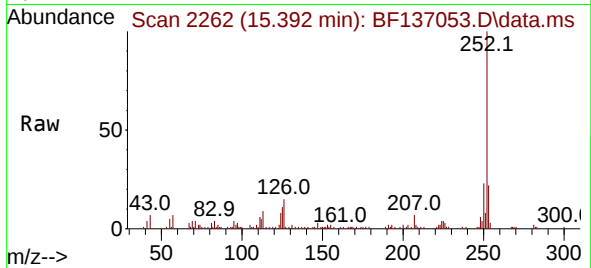
125 10.2 7.4 11.2





#90
Benzo(a)pyrene
Concen: 3.337 ng
RT: 15.392 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF137053.D
Acq: 12 Jan 2024 17:26

Instrument :
BNA_F
ClientSampleId :
WC-2



Tgt Ion:252 Resp: 2647
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 11.3 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024

