

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121523\
 Data File : BF136591.D
 Acq On : 15 Dec 2023 14:17
 Operator : CG\JU
 Sample : 05769-01 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023

Quant Time: Dec 15 14:59:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 00:33:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	80474	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	297616	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	131202	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	192802	20.000	ng	0.00
76) Chrysene-d12	13.963	240	178493	20.000	ng	0.00
86) Perylene-d12	15.433	264	180501	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	288007	52.854	ng	0.00
7) Phenol-d6	6.428	99	337710	49.673	ng	0.00
23) Nitrobenzene-d5	7.345	82	203676	36.997	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	68781	42.517	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	400479	41.650	ng	0.00
79) Terphenyl-d14	12.904	244	330975	24.440	ng	0.00
Target Compounds					Qvalue	
71) Phenanthrene	11.333	178	33986	3.207	ng	# 94
75) Fluoranthene	12.527	202	43866	3.950	ng	97
78) Pyrene	12.757	202	46646	2.668	ng	95
81) Benzo(a)anthracene	13.951	228	25474	2.049	ng	# 77
83) Chrysene	13.986	228	26835	2.194	ng	# 94
88) Benzo(b)fluoranthene	15.004	252	30476m	2.469	ng	

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

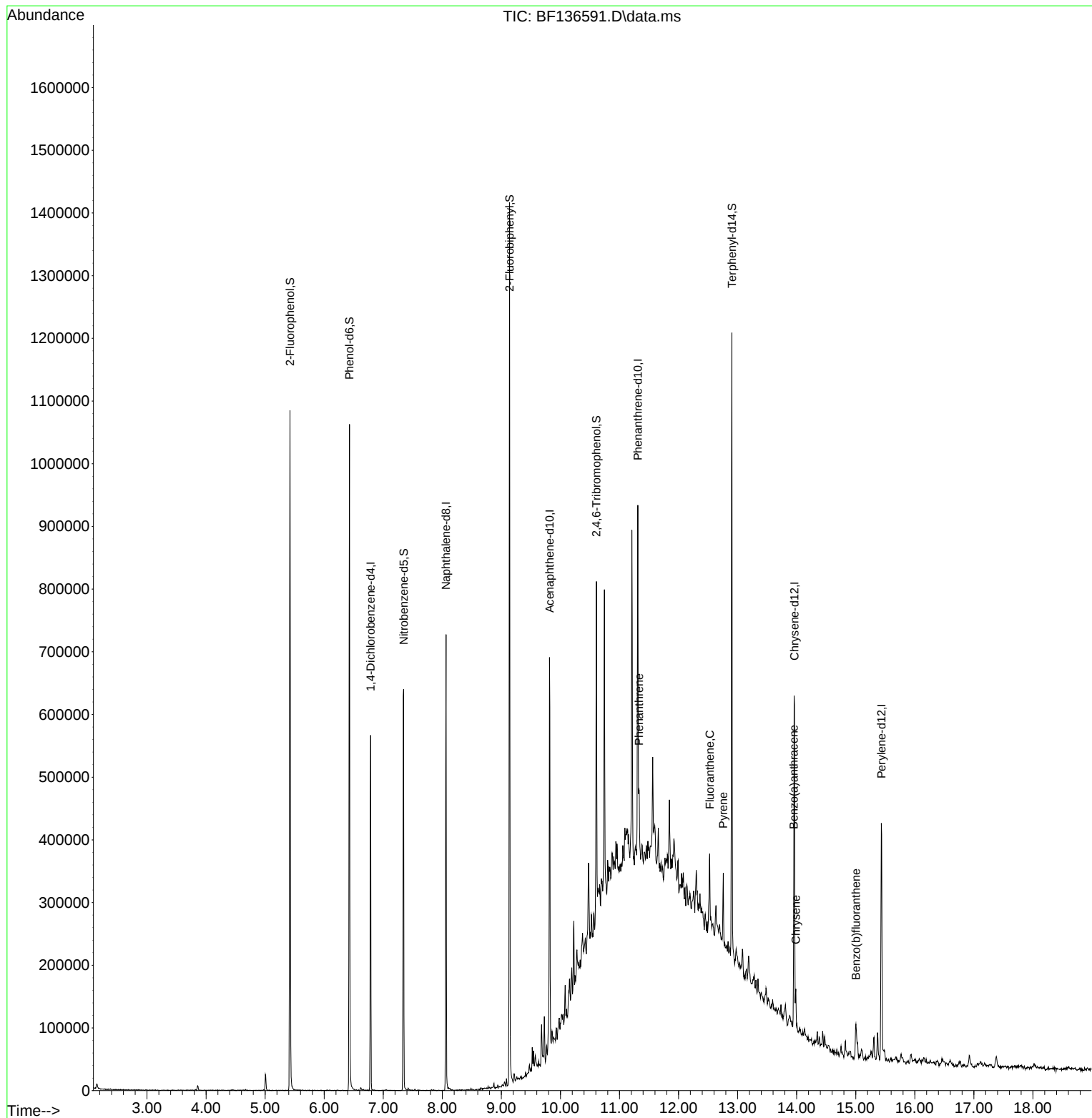
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121523\
Data File : BF136591.D
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Operator : CG\JU
Sample : 05769-01 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

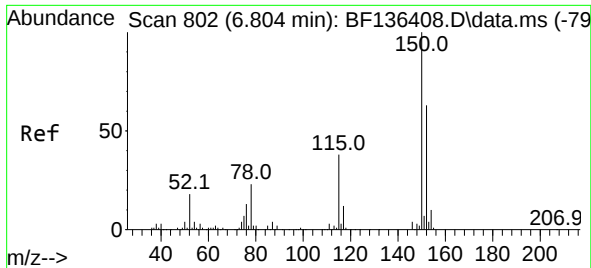
Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Time: Dec 15 14:59:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 15 00:33:23 2023
Response via : Initial Calibration

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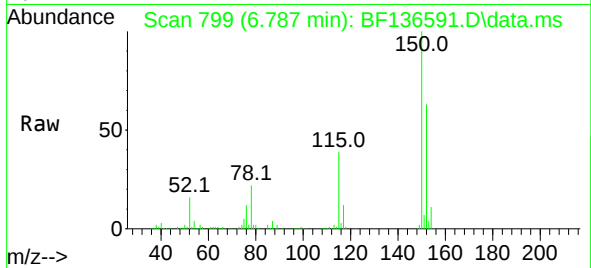
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

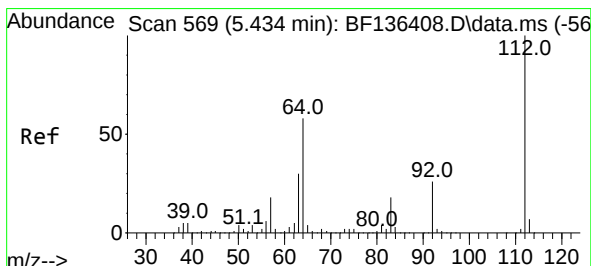
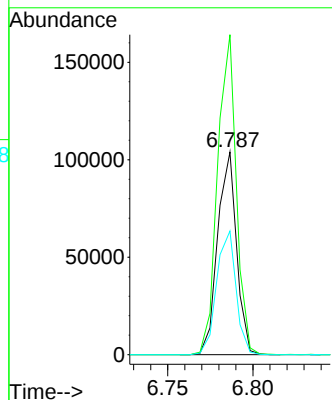
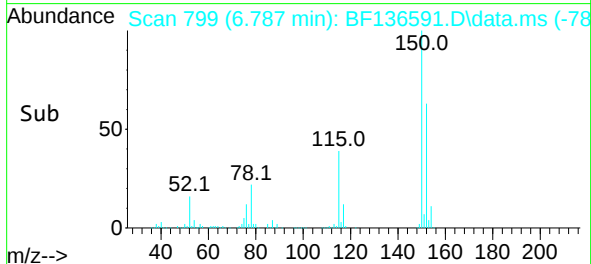
Instrument :
BNA_F
ClientSampleId :
WC-1



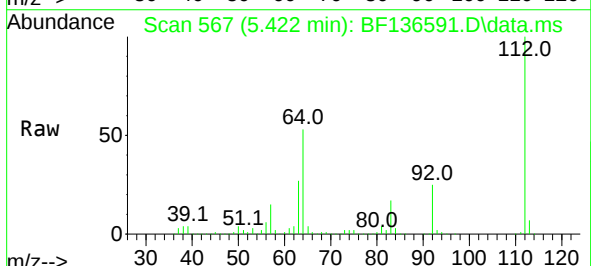
Tgt Ion:152 Resp: 80474
Ion Ratio Lower Upper
152 100
150 157.8 126.4 189.6
115 61.0 48.2 72.4

Manual Integrations
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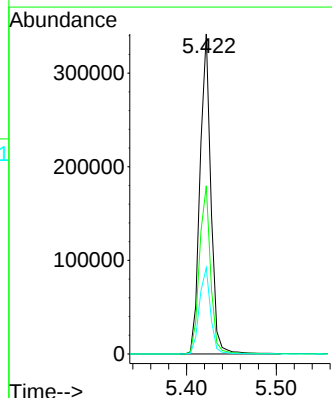
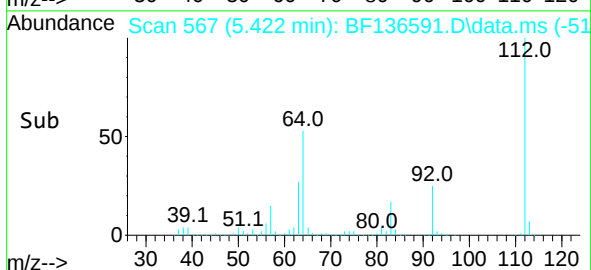
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#5
2-Fluorophenol
Concen: 52.854 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.000 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17



Tgt Ion:112 Resp: 288007
Ion Ratio Lower Upper
112 100
64 52.6 46.5 69.7
63 27.0 23.9 35.9





#7

Phenol-d6

Concen: 49.673 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF136591.D

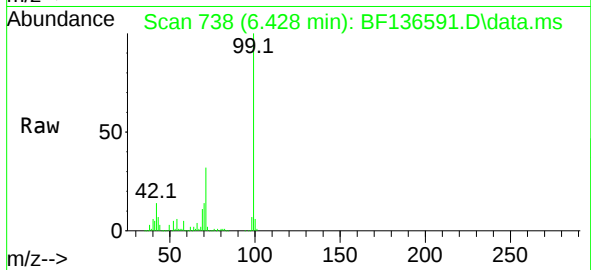
Acq: 15 Dec 2023 14:17

Instrument :

BNA_F

ClientSampleId :

WC-1



Tgt Ion: 99 Resp: 337710

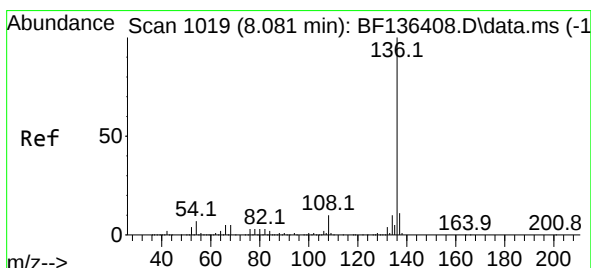
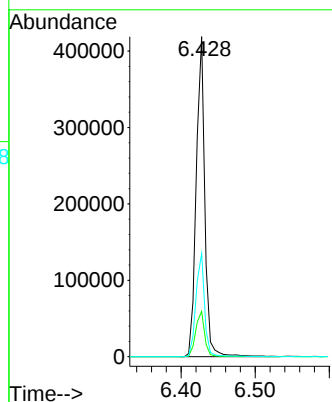
Ion	Ratio	Lower	Upper
99	100		
42	14.2	12.8	19.2
71	32.3	27.0	40.4

Manual Integrations

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Supervised By :mohammad ahmed 12/16/2023



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1016

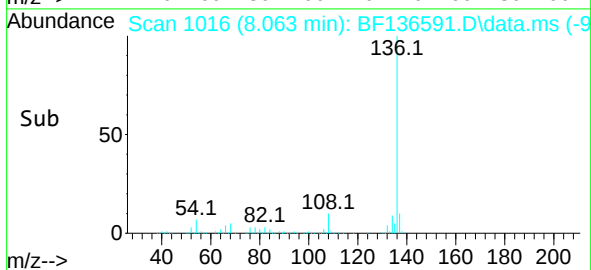
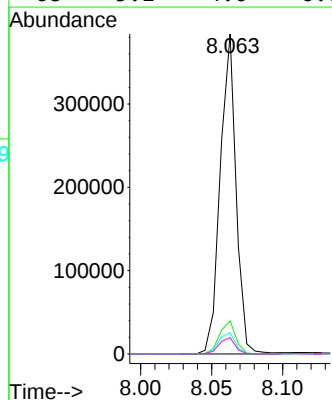
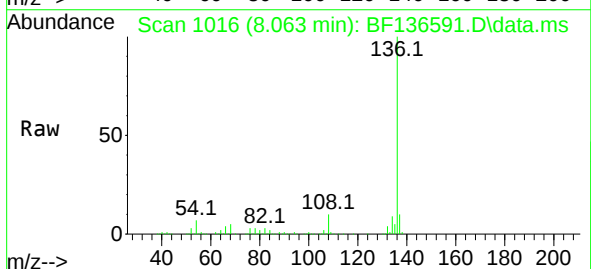
Delta R.T. -0.006 min

Lab File: BF136591.D

Acq: 15 Dec 2023 14:17

Tgt Ion:136 Resp: 297616

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	12.8
54	6.7	5.7	8.5
68	5.1	4.0	6.0





#23

Nitrobenzene-d5

Concen: 36.997 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136591.D

Acq: 15 Dec 2023 14:17

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion: 82 Resp: 203670

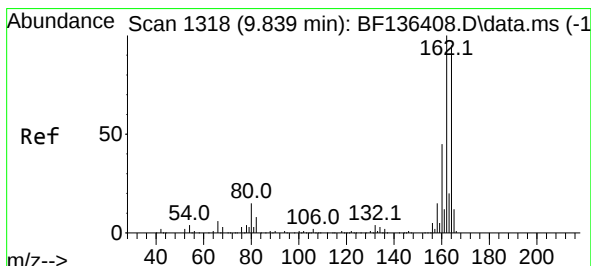
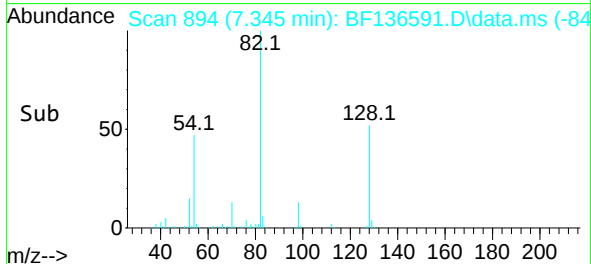
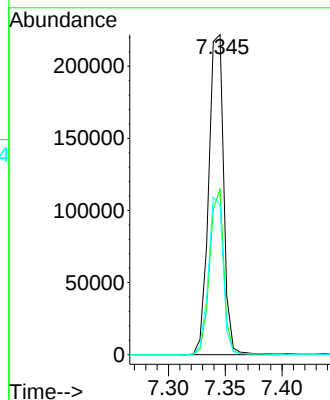
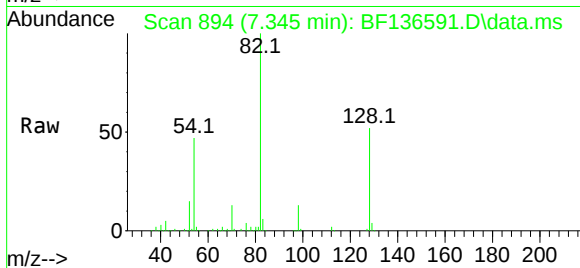
Ion	Ratio	Lower	Upper
82	100		
128	51.6	36.3	54.5
54	46.8	39.0	58.6

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Supervised By :mohammad ahmed 12/16/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

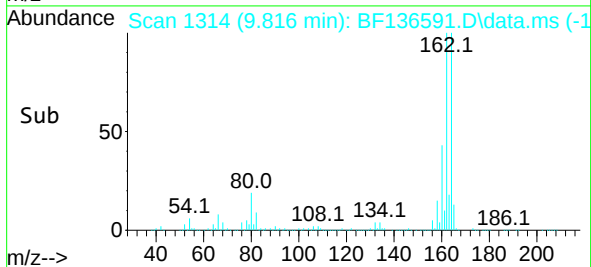
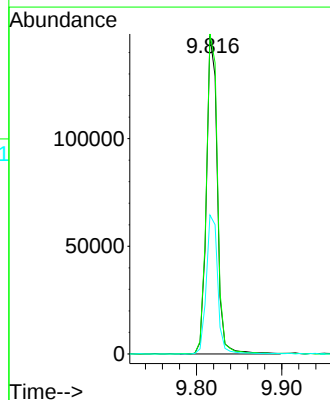
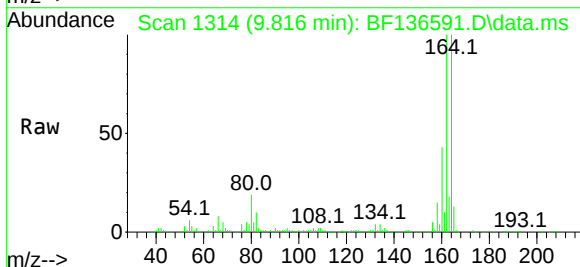
Delta R.T. -0.012 min

Lab File: BF136591.D

Acq: 15 Dec 2023 14:17

Tgt Ion:164 Resp: 131202

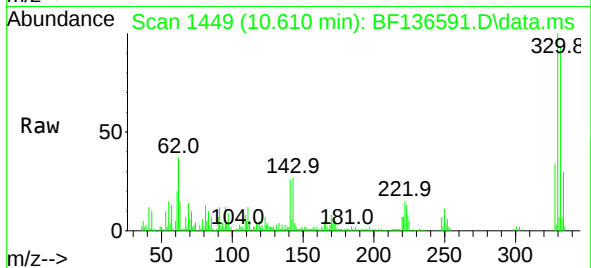
Ion	Ratio	Lower	Upper
164	100		
162	100.5	84.4	126.6
160	43.6	37.6	56.4





#42
2,4,6-Tribromophenol
Concen: 42.517 ng
RT: 10.610 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

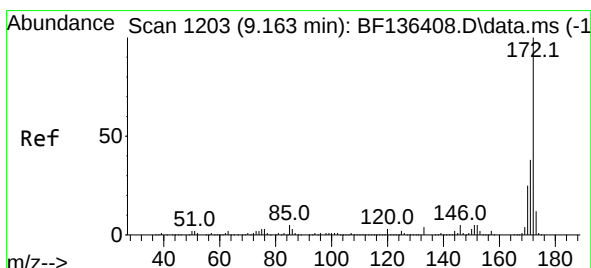
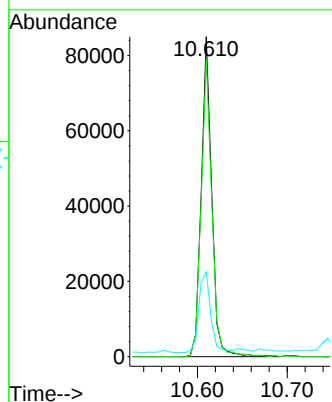
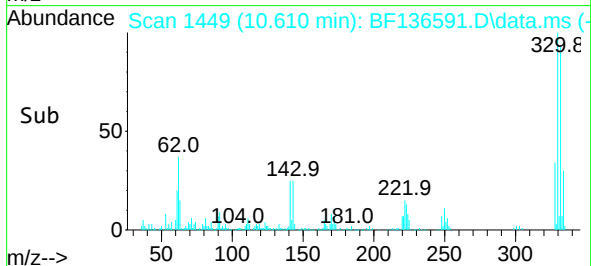
Instrument :
BNA_F
ClientSampleId :
WC-1



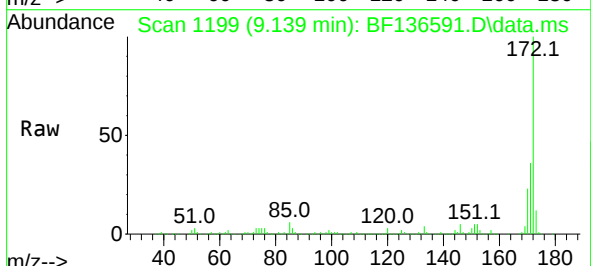
Tgt Ion: 330 Resp: 6878
Ion Ratio Lower Upper
330 100
332 94.8 76.4 114.6
141 28.1 23.4 35.2

Manual Integrations
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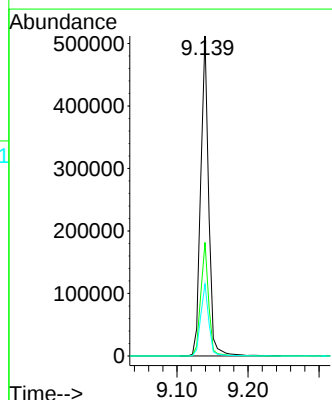
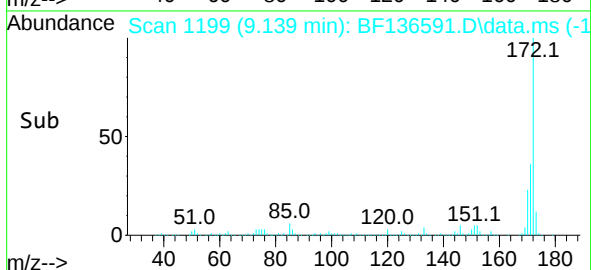
Reviewed By : Yogesh Patel 12/16/2023
Supervised By : mohammad ahmed 12/16/2023

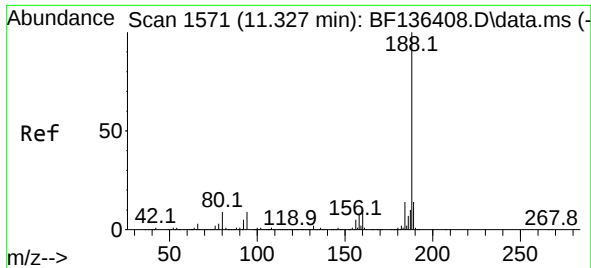


#45
2-Fluorobiphenyl
Concen: 41.650 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17



Tgt Ion: 172 Resp: 400479
Ion Ratio Lower Upper
172 100
171 35.5 30.5 45.7
170 22.5 19.9 29.9





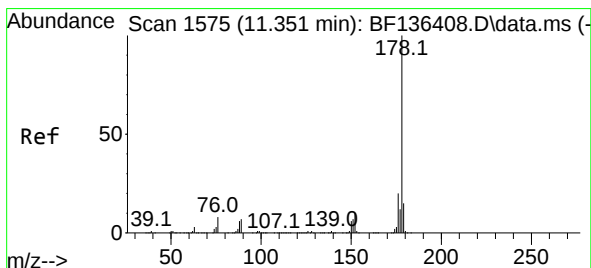
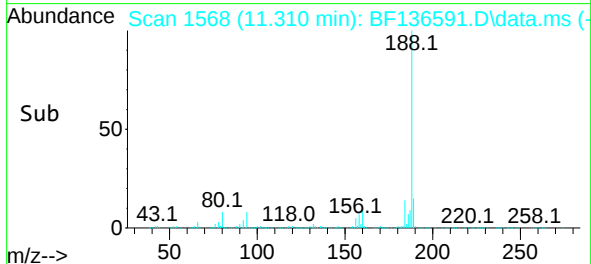
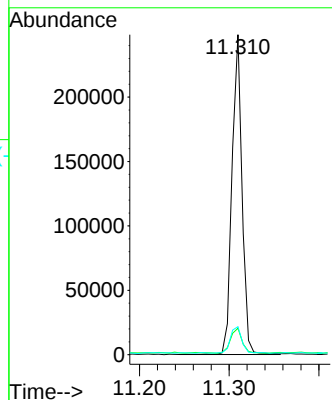
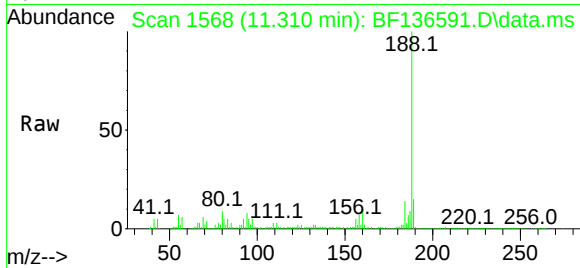
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:188 Resp: 19280
Ion Ratio Lower Upper
188 100
94 8.2 7.2 10.8
80 8.7 7.2 10.8

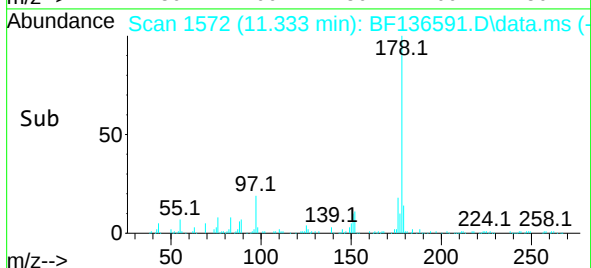
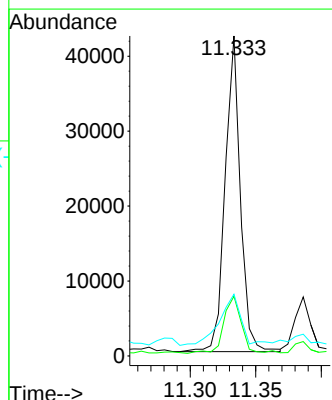
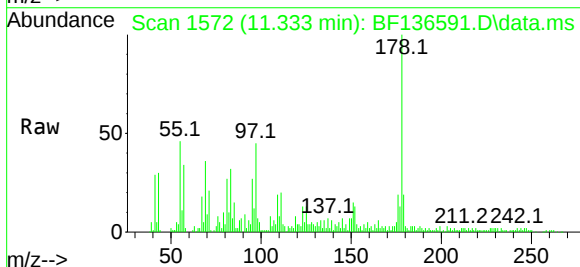
Manual Integrations
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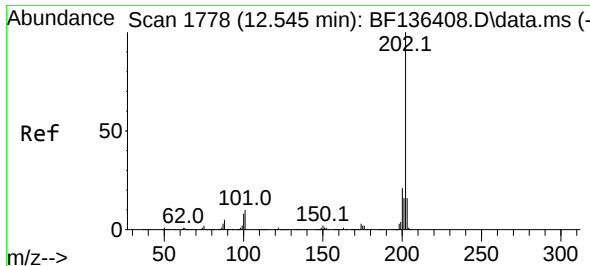
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#71
Phenanthrene
Concen: 3.207 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

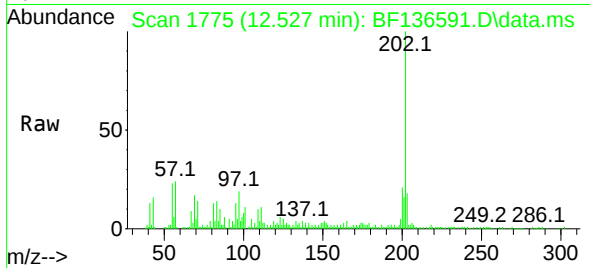
Tgt Ion:178 Resp: 33986
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 19.3 11.8 17.6#





#75
Fluoranthene
Concen: 3.950 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

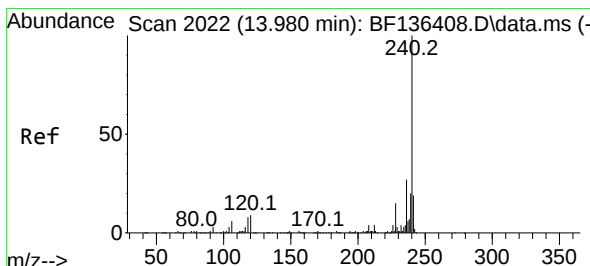
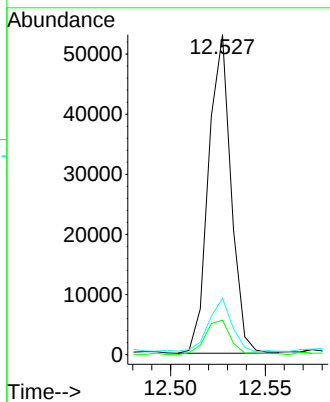
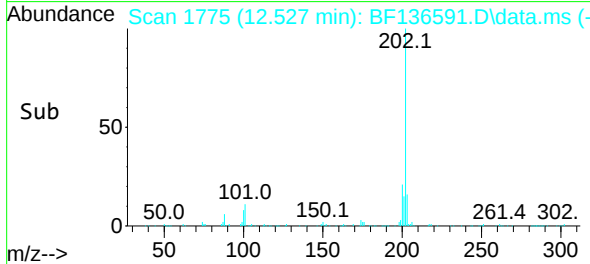
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:202 Resp: 43860
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.9
203 17.6 0.0 36.3

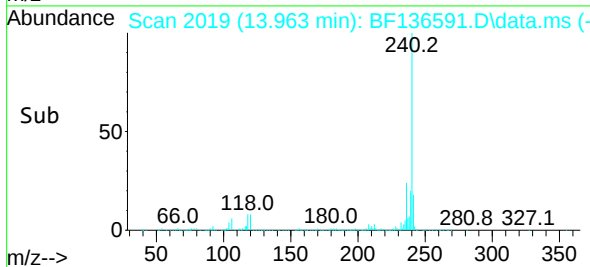
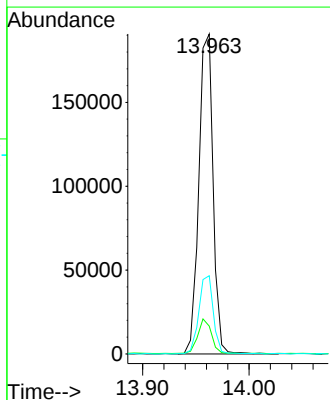
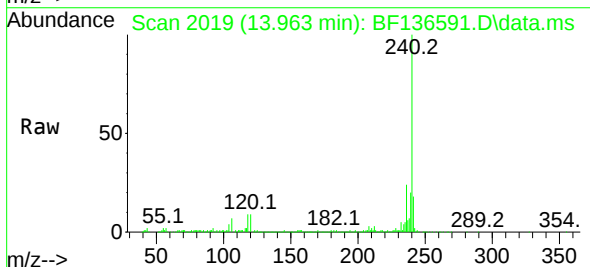
Manual Integrations
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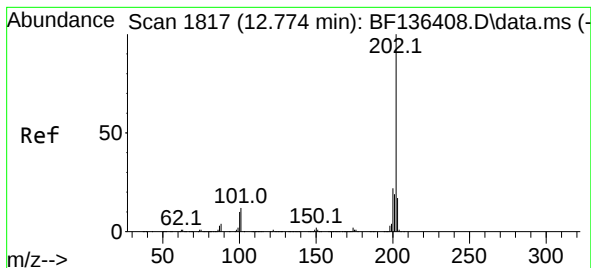
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

Tgt Ion:240 Resp: 178493
Ion Ratio Lower Upper
240 100
120 8.7 7.3 10.9
236 24.5 21.3 31.9





#78

Pyrene

Concen: 2.668 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF136591.D

Acq: 15 Dec 2023 14:17

Instrument :

BNA_F

ClientSampleId :

WC-1

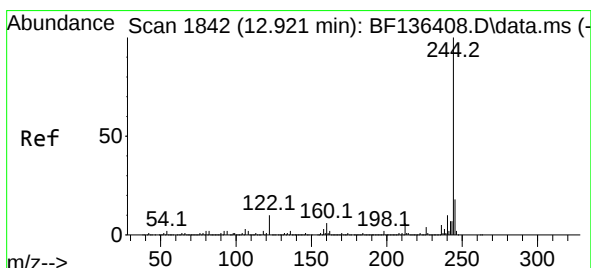
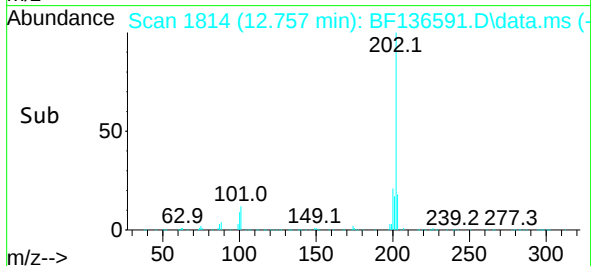
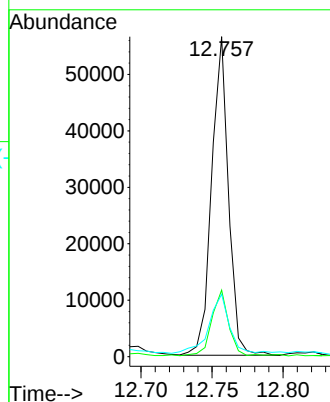
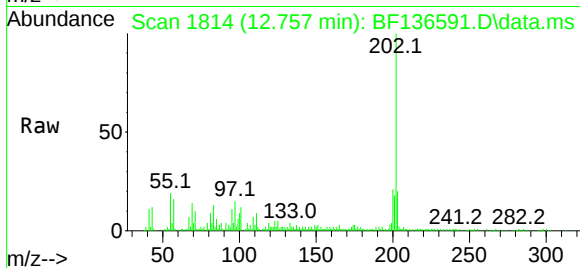
Tgt Ion:	202	Resp:	46640
Ion Ratio	Lower	Upper	
202	100		
200	20.8	18.0	27.0
203	19.5	13.5	20.3

Manual Integrations

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#79

Terphenyl-d14

Concen: 24.440 ng

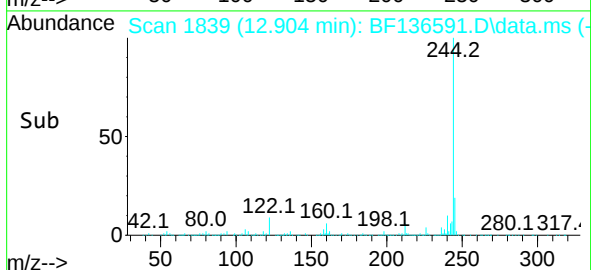
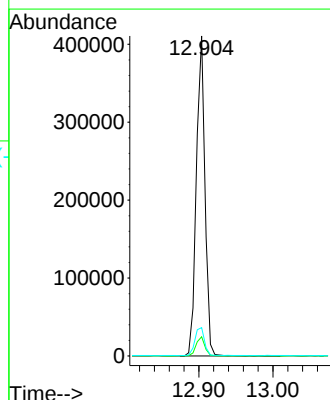
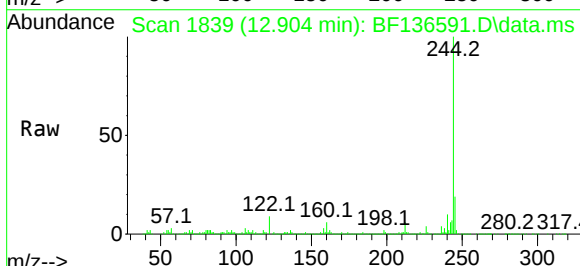
RT: 12.904 min Scan# 1839

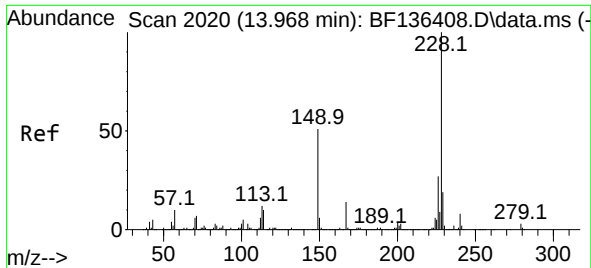
Delta R.T. -0.006 min

Lab File: BF136591.D

Acq: 15 Dec 2023 14:17

Tgt Ion:	244	Resp:	330975
Ion Ratio	Lower	Upper	
244	100		
212	6.0	5.0	7.4
122	8.9	8.3	12.5





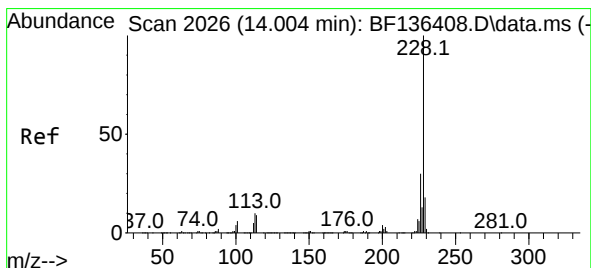
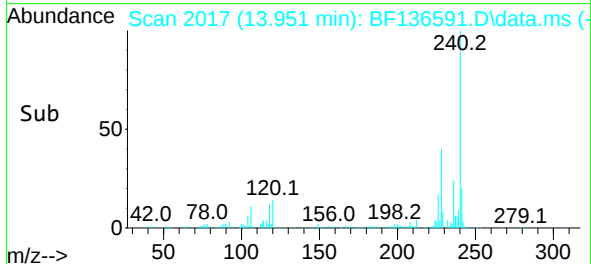
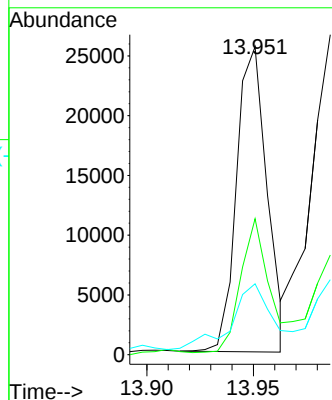
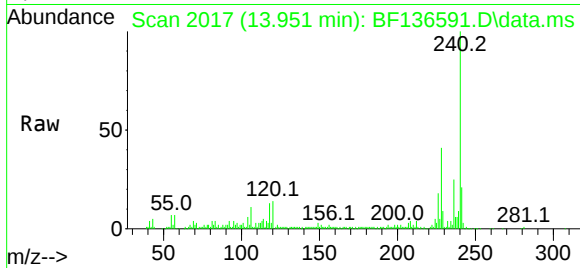
#81
Benzo(a)anthracene
Concen: 2.049 ng
RT: 13.951 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:228 Resp: 25474
Ion Ratio Lower Upper
228 100
226 44.2 21.8 32.8
229 23.0 15.0 22.4

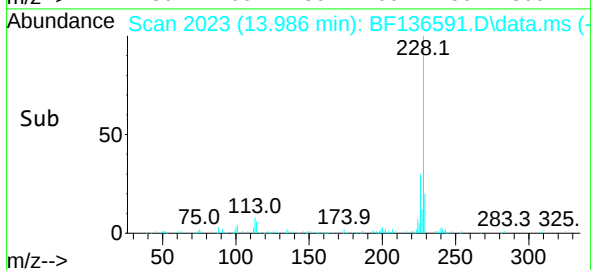
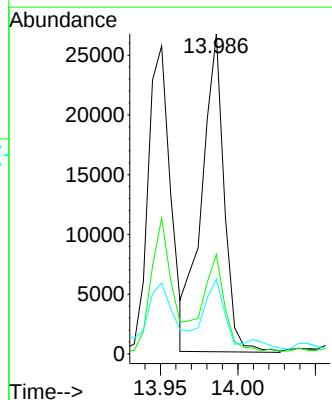
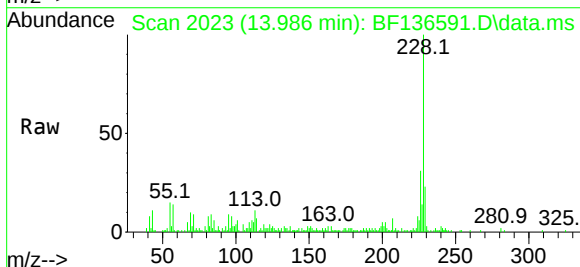
Manual Integrations
APPROVED

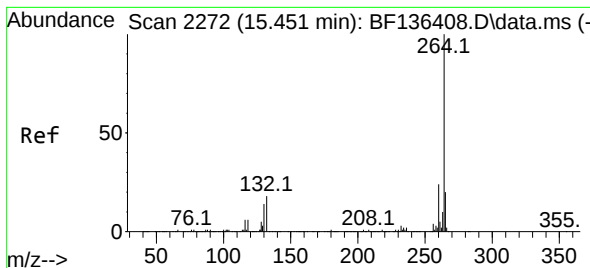
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#83
Chrysene
Concen: 2.194 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

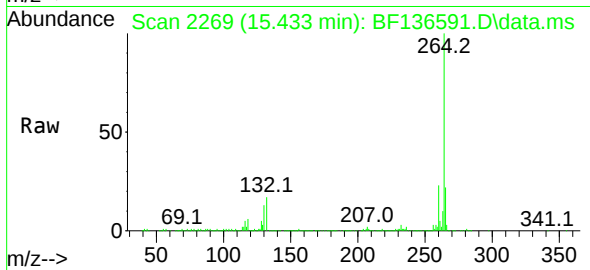
Tgt Ion:228 Resp: 26835
Ion Ratio Lower Upper
228 100
226 31.2 23.8 35.6
229 23.5 14.8 22.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17

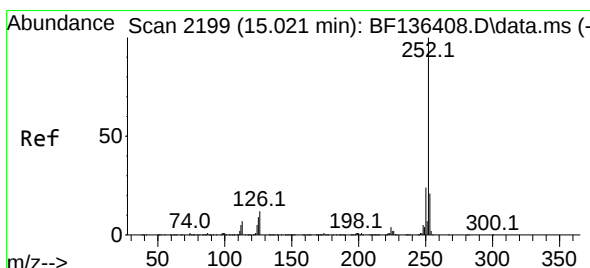
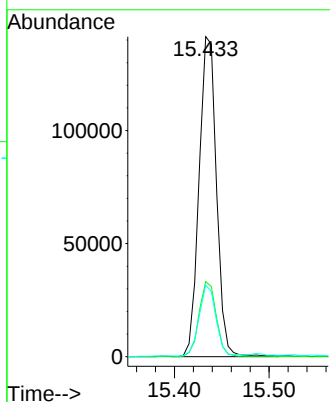
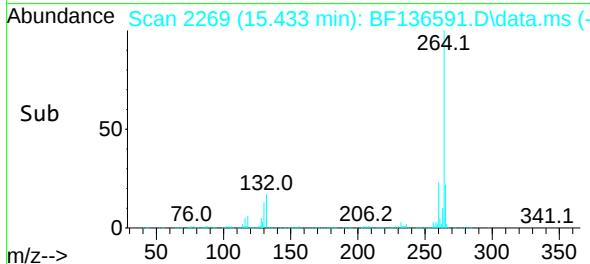
Instrument :
BNA_F
ClientSampleId :
WC-1



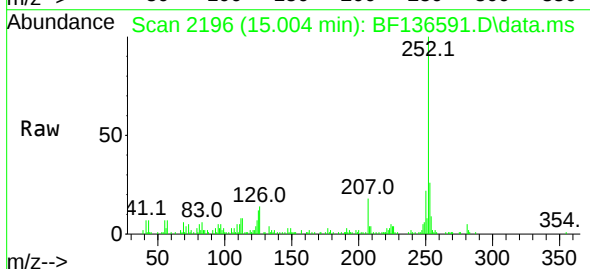
Tgt Ion:264 Resp: 18050
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 22.3 15.9 23.9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#88
Benzo(b)fluoranthene
Concen: 2.469 ng m
RT: 15.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF136591.D
Acq: 15 Dec 2023 14:17



Tgt Ion:252 Resp: 30476
Ion Ratio Lower Upper
252 100
253 25.6 16.9 25.3#
125 12.2 7.4 11.2#

