

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121823\
 Data File : BF136625.D
 Acq On : 18 Dec 2023 20:45
 Operator : CG\JU
 Sample : 05726-01RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/19/2023

Quant Time: Dec 19 01:06:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 00:56:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	72779	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	247730	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	110672	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	223386	20.000	ng	0.00
76) Chrysene-d12	13.974	240	198384	20.000	ng	0.00
86) Perylene-d12	15.457	264	147058	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	487285	98.880	ng	0.00
7) Phenol-d6	6.434	99	542863	88.292	ng	-0.01
23) Nitrobenzene-d5	7.345	82	321516	70.162	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	133763	98.024	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	523311	64.520	ng	0.00
79) Terphenyl-d14	12.910	244	651549	43.288	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.681	152	33899	3.247	ng	# 94
71) Phenanthrene	11.339	178	152136	12.391	ng	98
72) Anthracene	11.392	178	69231	5.598	ng	98
75) Fluoranthene	12.539	202	603181	46.878	ng	99
78) Pyrene	12.769	202	553279	28.477	ng	97
81) Benzo(a)anthracene	13.963	228	332739	24.079	ng	94
83) Chrysene	13.998	228	307004m	22.581	ng	
87) Indeno(1,2,3-cd)pyrene	16.962	276	122040	11.945	ng	97
88) Benzo(b)fluoranthene	15.021	252	320885m	31.914	ng	
89) Benzo(k)fluoranthene	15.045	252	103156m	10.886	ng	
90) Benzo(a)pyrene	15.392	252	220035	26.499	ng	95
91) Dibenzo(a,h)anthracene	16.974	278	31934	3.815	ng	# 86
92) Benzo(g,h,i)perylene	17.421	276	112963	13.150	ng	98

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

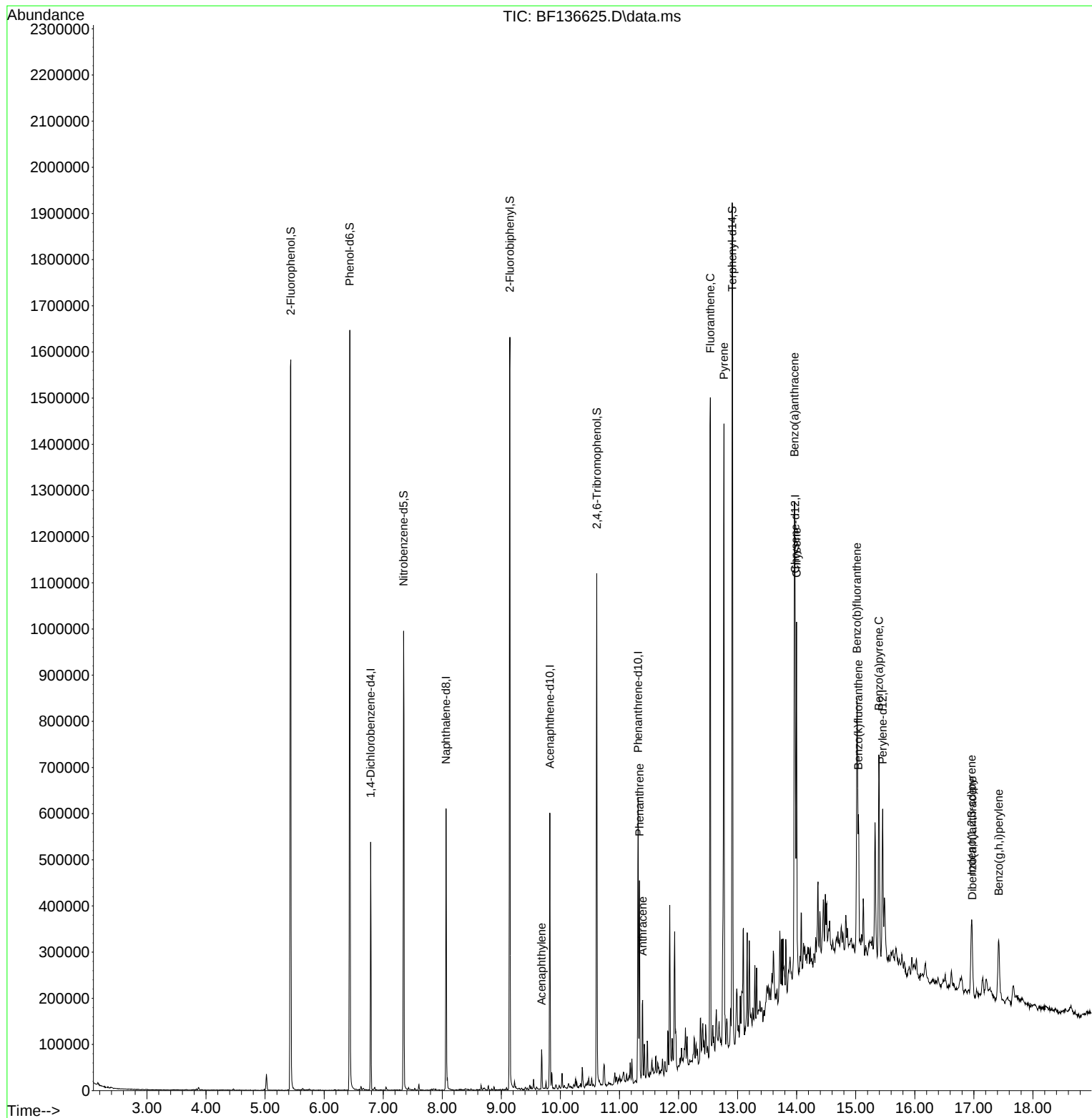
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121823\
Data File : BF136625.D
Acq On : 18 Dec 2023 20:45
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Quant Time: Dec 19 01:06:48 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 19 00:56:37 2023
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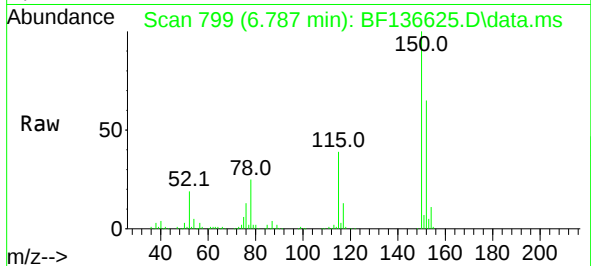
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.005 min
Lab File: BF136625.D
Acq: 18 Dec 2023 20:45

Instrument :

BNA_F

ClientSampleId :

WC-1RE

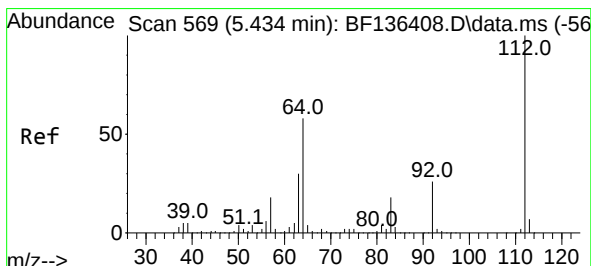
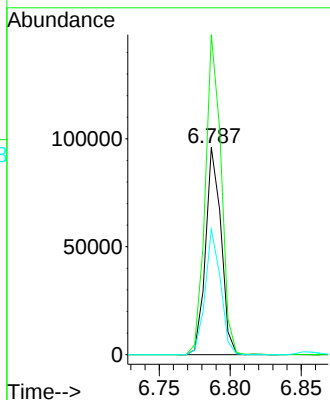
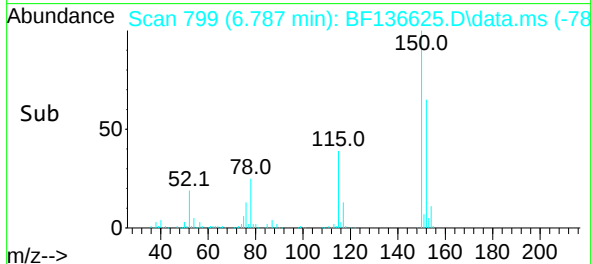


Tgt Ion:152 Resp: 72779
Ion Ratio Lower Upper
152 100
150 154.3 126.4 189.6
115 60.5 48.2 72.4

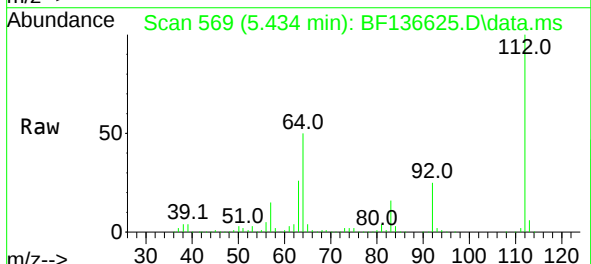
Manual Integrations

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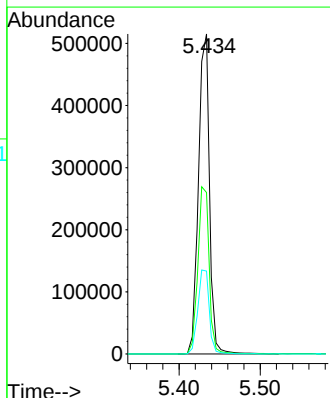
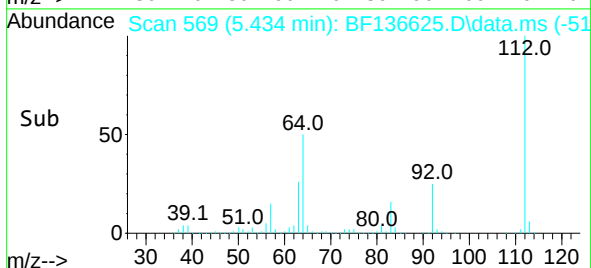
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023



#5
2-Fluorophenol
Concen: 98.880 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF136625.D
Acq: 18 Dec 2023 20:45



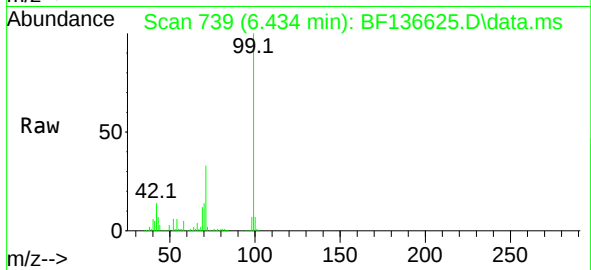
Tgt Ion:112 Resp: 487285
Ion Ratio Lower Upper
112 100
64 50.5 46.5 69.7
63 25.9 23.9 35.9





#7
Phenol-d6
Concen: 88.292 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136625.D
Acq: 18 Dec 2023 20:45

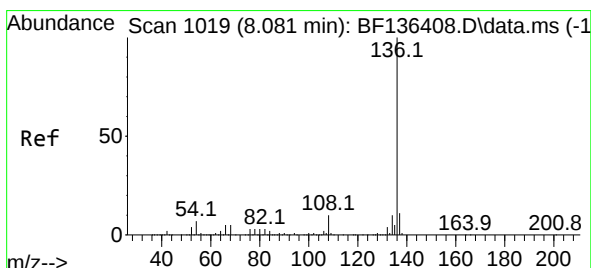
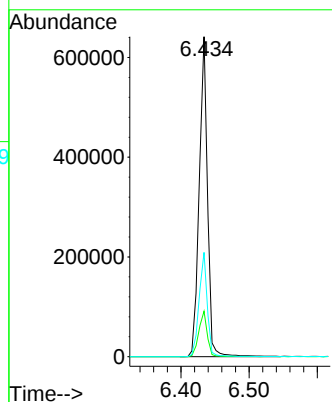
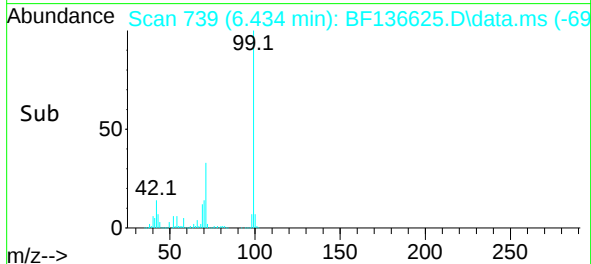
Instrument :
BNA_F
ClientSampleId :
WC-1RE



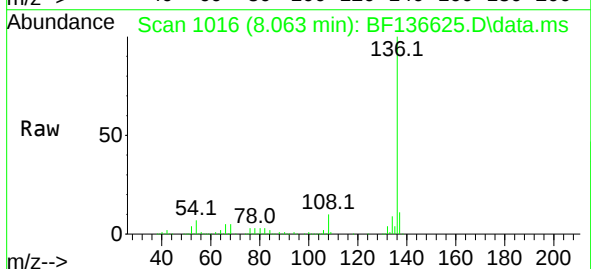
Tgt Ion: 99 Resp: 54286
Ion Ratio Lower Upper
99 100
42 14.2 12.8 19.2
71 32.6 27.0 40.4

Manual Integrations
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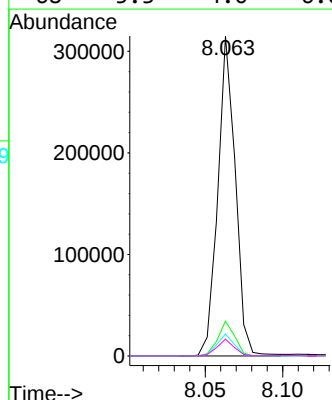
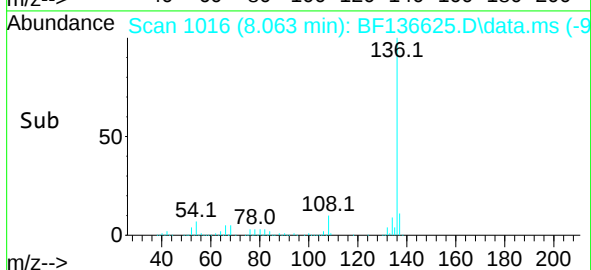
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136625.D
Acq: 18 Dec 2023 20:45



Tgt Ion:136 Resp: 247730
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.9 5.7 8.5
68 5.3 4.0 6.0





#23

Nitrobenzene-d5

Concen: 70.162 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136625.D

Acq: 18 Dec 2023 20:45

Instrument :

BNA_F

ClientSampleId :

WC-1RE

Tgt Ion: 82 Resp: 321510

Ion Ratio Lower Upper

82 100

128 45.7 36.3 54.5

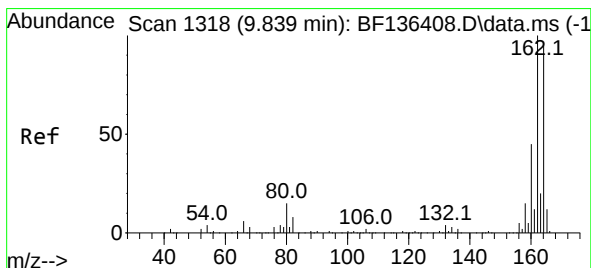
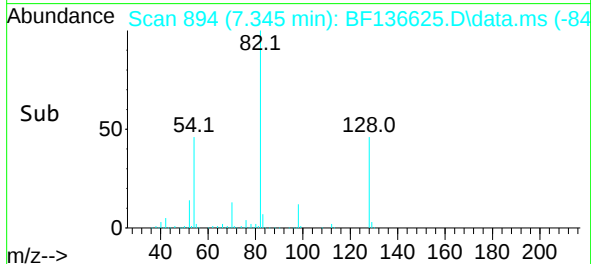
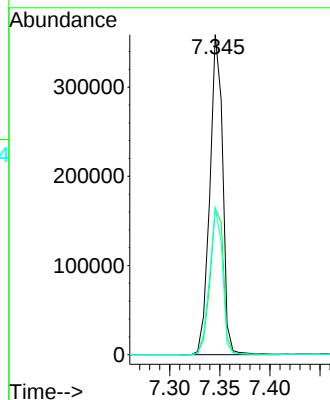
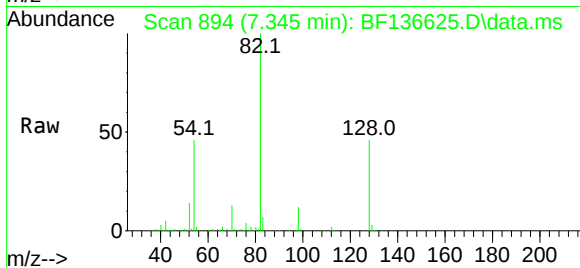
54 45.8 39.0 58.6

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Supervised By :mohammad ahmed 12/19/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF136625.D

Acq: 18 Dec 2023 20:45

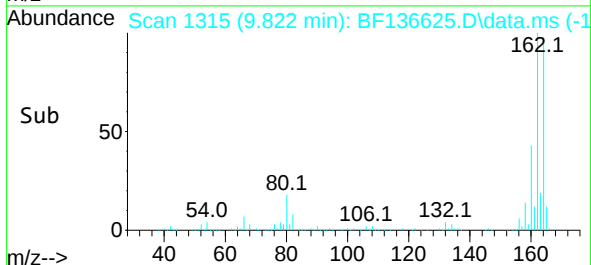
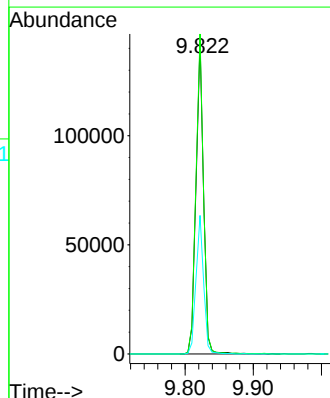
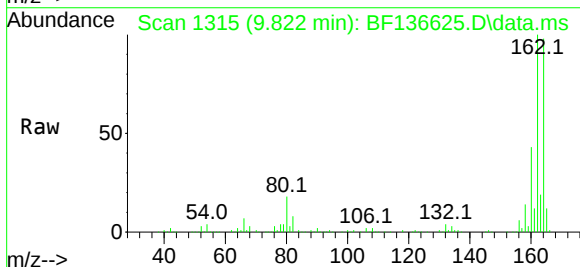
Tgt Ion:164 Resp: 110672

Ion Ratio Lower Upper

164 100

162 102.2 84.4 126.6

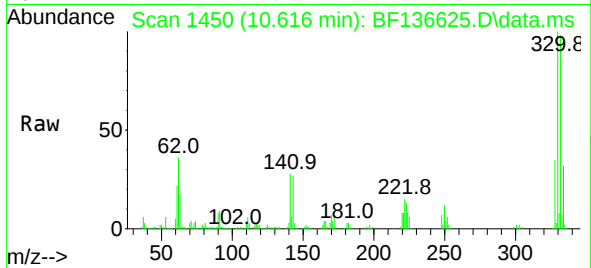
160 44.2 37.6 56.4





#42
2,4,6-Tribromophenol
Concen: 98.024 ng
RT: 10.616 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF136625.D
Acq: 18 Dec 2023 20:45

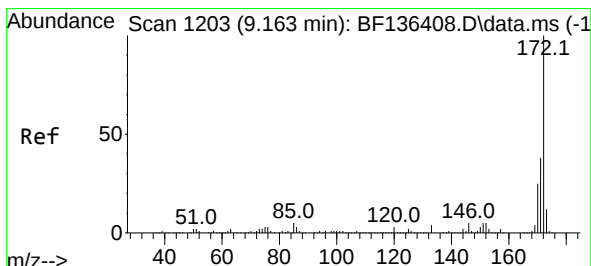
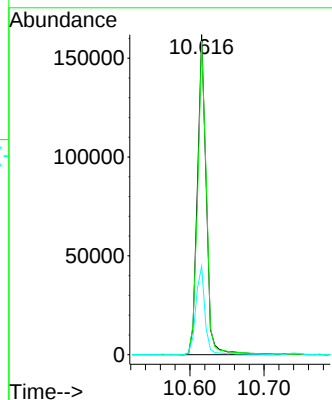
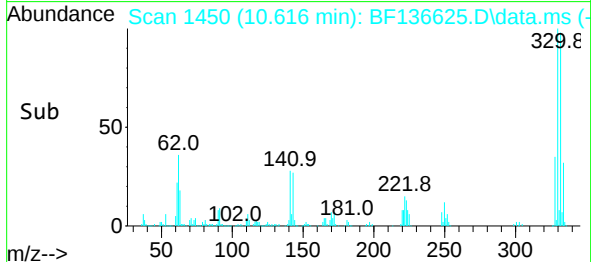
Instrument :
BNA_F
ClientSampleId :
WC-1RE



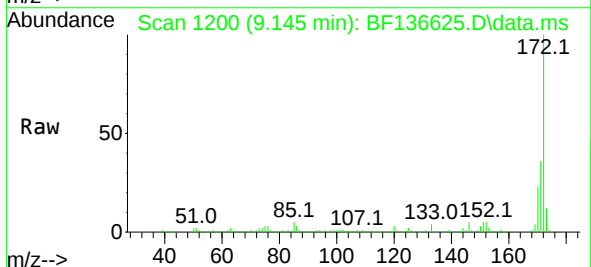
Tgt Ion: 330 Resp: 13376
Ion Ratio Lower Upper
330 100
332 98.1 76.4 114.6
141 29.1 23.4 35.2

Manual Integrations
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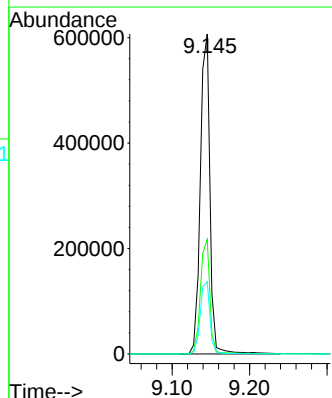
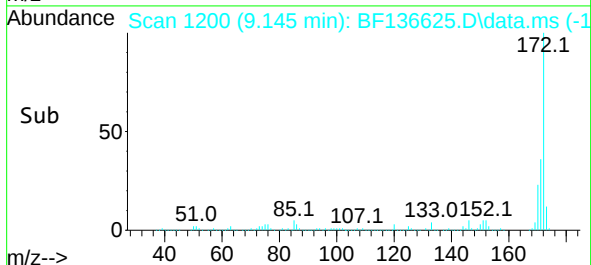
Reviewed By : Yogesh Patel 12/19/2023
Supervised By : mohammad ahmed 12/19/2023

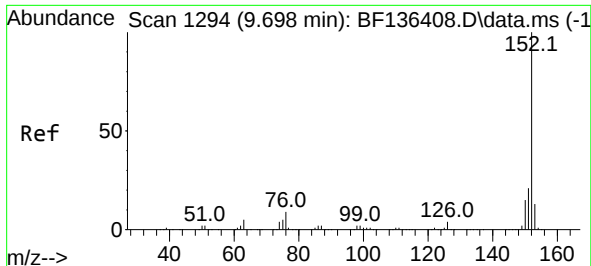


#45
2-Fluorobiphenyl
Concen: 64.520 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF136625.D
Acq: 18 Dec 2023 20:45



Tgt Ion: 172 Resp: 523311
Ion Ratio Lower Upper
172 100
171 35.8 30.5 45.7
170 22.6 19.9 29.9





#49

Acenaphthylene

Concen: 3.247 ng

RT: 9.681 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136625.D

Acq: 18 Dec 2023 20:45

Instrument :

BNA_F

ClientSampleId :

WC-1RE

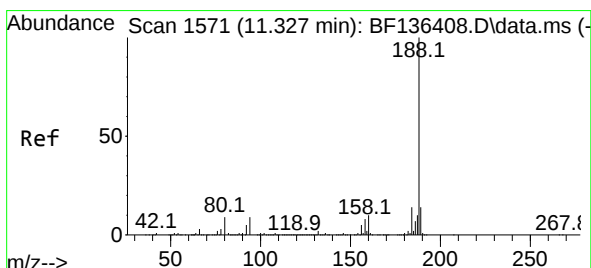
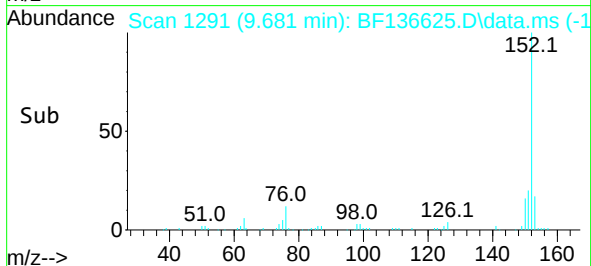
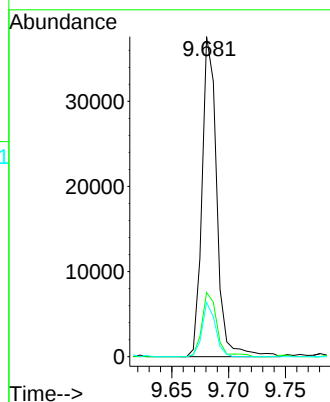
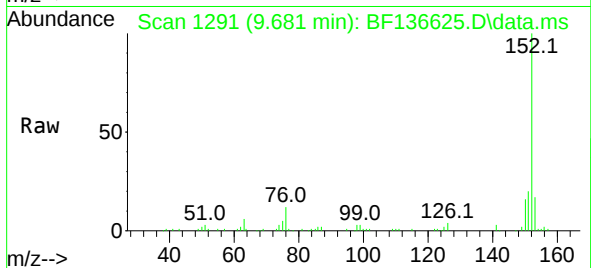
Tgt Ion:152	Resp: 3389
Ion Ratio	Lower Upper
152 100	
151 20.0	17.2 25.8
153 17.0	10.6 15.8

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/19/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

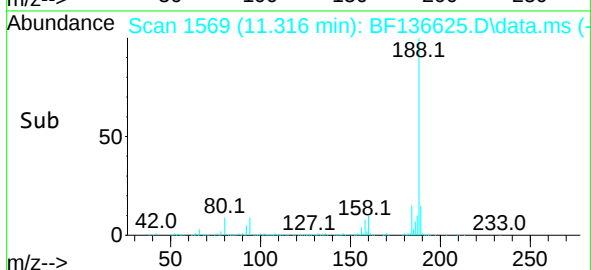
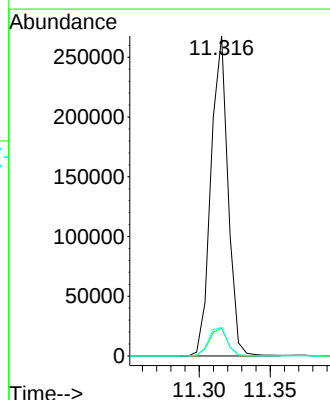
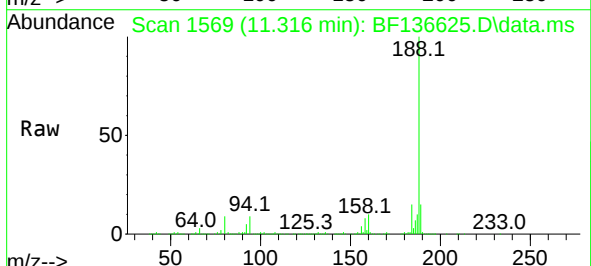
RT: 11.316 min Scan# 1569

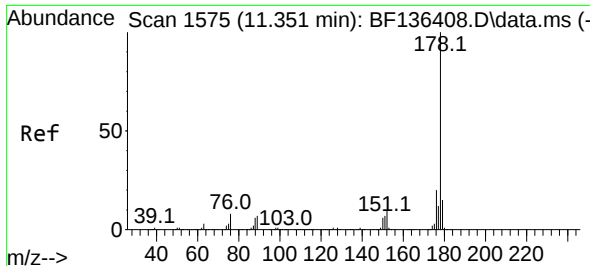
Delta R.T. -0.006 min

Lab File: BF136625.D

Acq: 18 Dec 2023 20:45

Tgt Ion:188	Resp: 223386
Ion Ratio	Lower Upper
188 100	
94 8.7	7.2 10.8
80 8.9	7.2 10.8





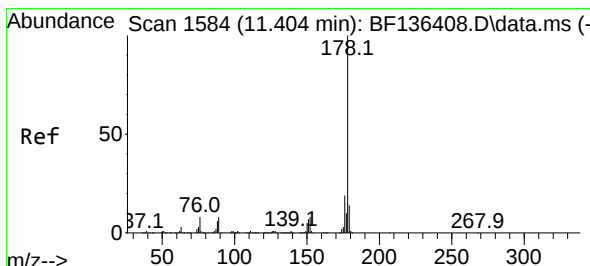
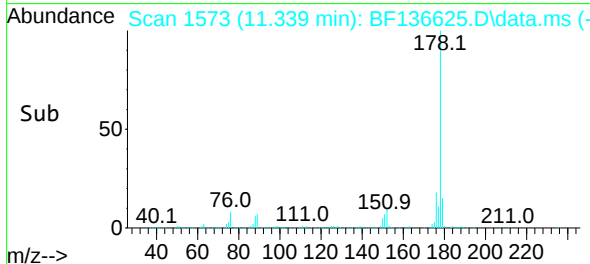
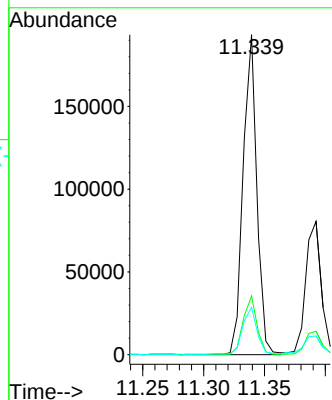
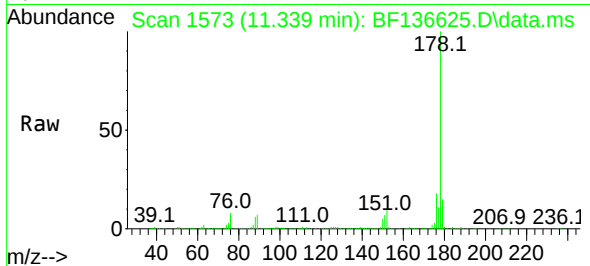
#71
Phenanthrene
Concen: 12.391 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF136625.D
Acq: 18 Dec 2023 20:45

Instrument :
BNA_F
ClientSampleId :
WC-1RE

Tgt Ion:178 Resp: 152130
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 14.7 11.8 17.6

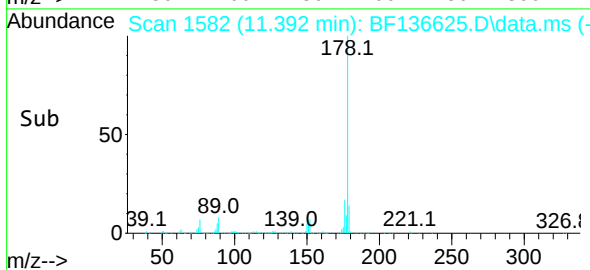
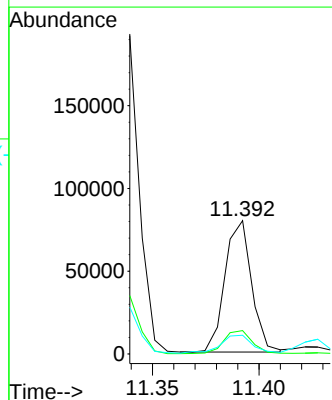
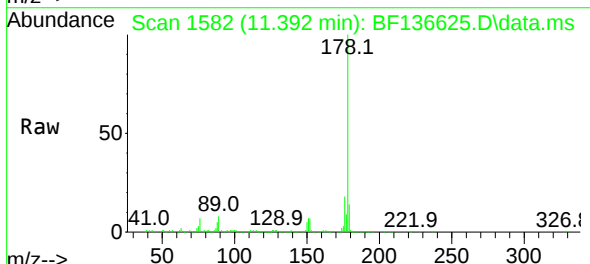
Manual Integrations
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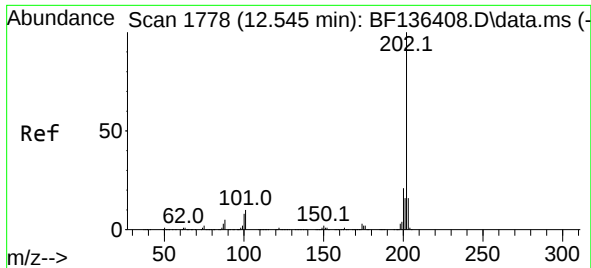
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023



#72
Anthracene
Concen: 5.598 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF136625.D
Acq: 18 Dec 2023 20:45

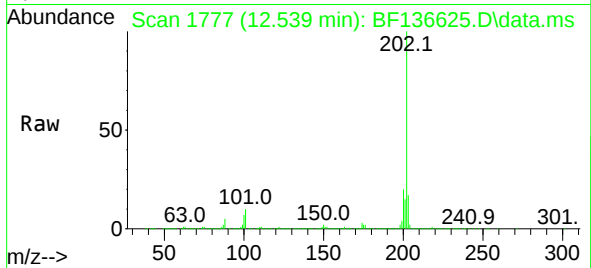
Tgt Ion:178 Resp: 69231
Ion Ratio Lower Upper
178 100
176 17.5 15.3 22.9
179 14.1 11.4 17.0





#75
Fluoranthene
Concen: 46.878 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136625.D
Acq: 18 Dec 2023 20:45

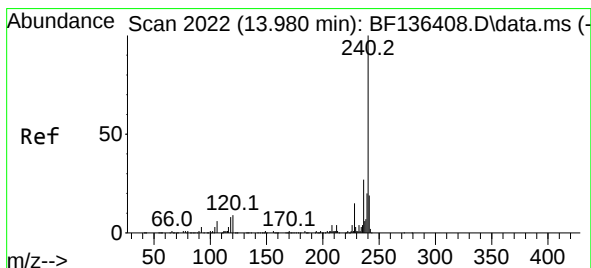
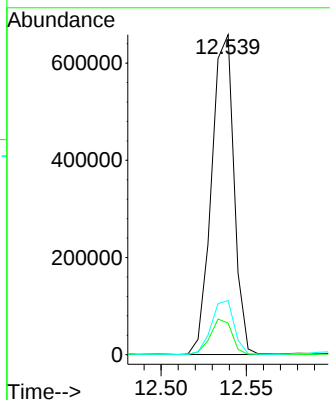
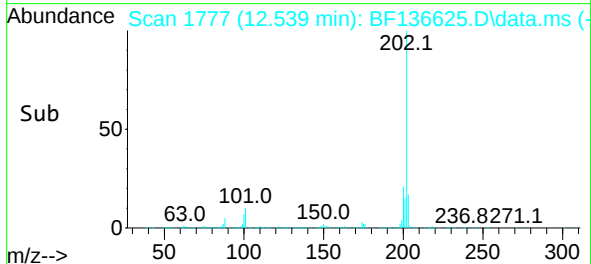
Instrument :
BNA_F
ClientSampleId :
WC-1RE



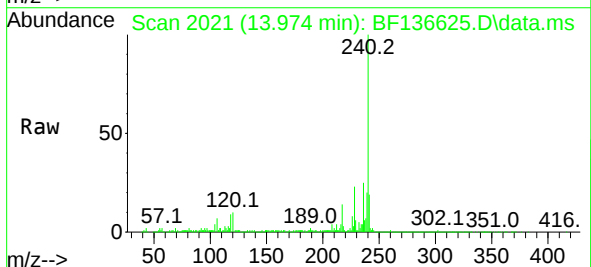
Tgt Ion:202 Resp: 60318
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.9
203 16.9 0.0 36.3

Manual Integrations
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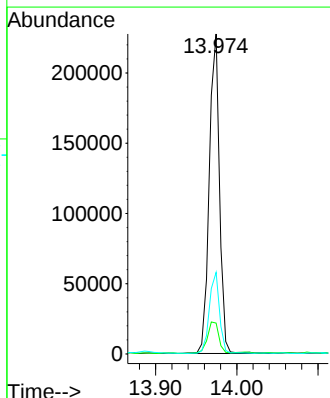
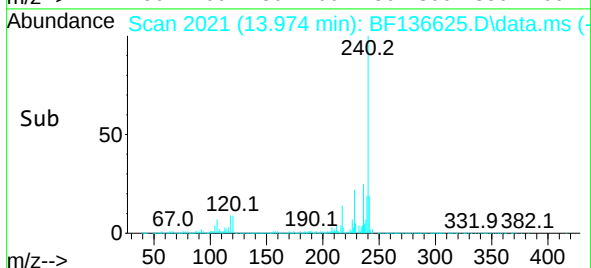
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023

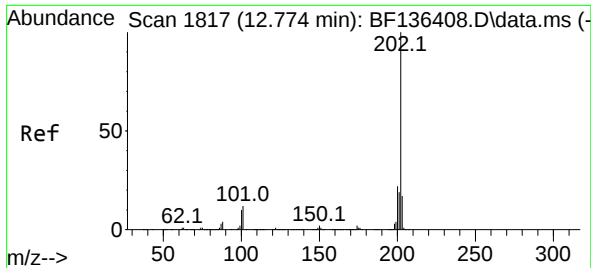


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF136625.D
Acq: 18 Dec 2023 20:45



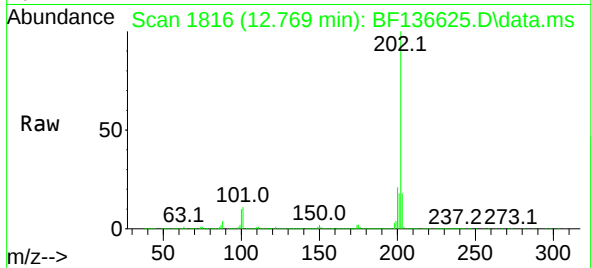
Tgt Ion:240 Resp: 198384
Ion Ratio Lower Upper
240 100
120 9.7 7.3 10.9
236 25.5 21.3 31.9





#78
Pyrene
Concen: 28.477 ng
RT: 12.769 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF136625.D
Acq: 18 Dec 2023 20:45

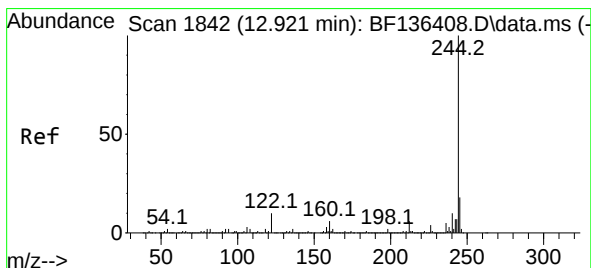
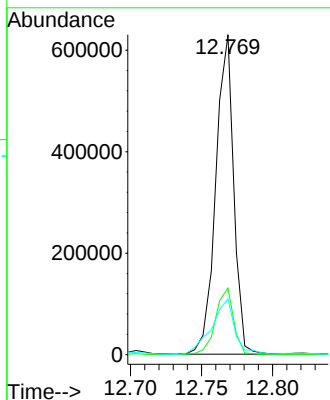
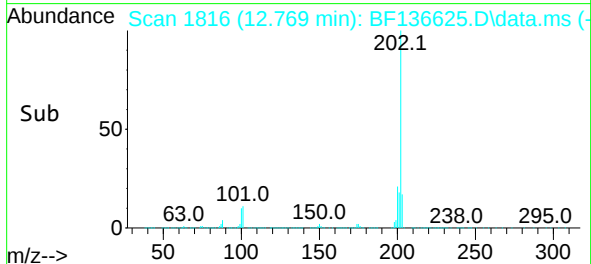
Instrument :
BNA_F
ClientSampleId :
WC-1RE



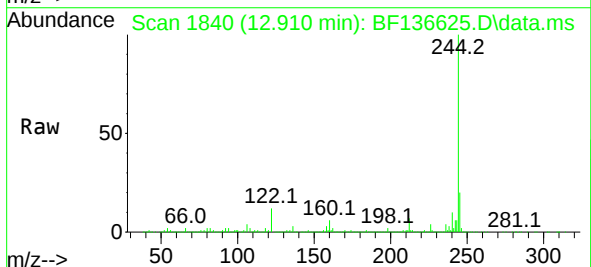
Tgt Ion:202 Resp: 553279
Ion Ratio Lower Upper
202 100
200 20.9 18.0 27.0
203 17.5 13.5 20.3

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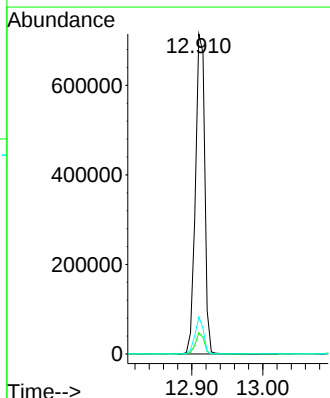
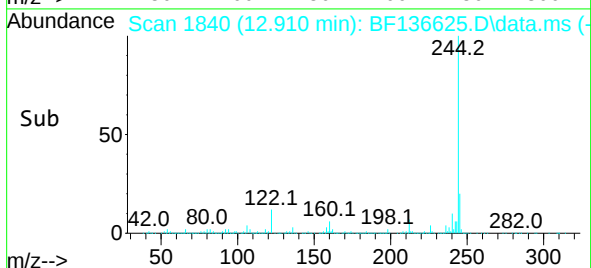
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023

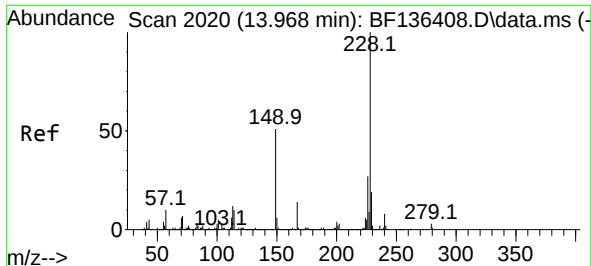


#79
Terphenyl-d14
Concen: 43.288 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BF136625.D
Acq: 18 Dec 2023 20:45



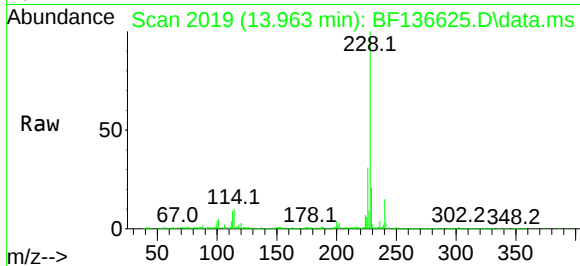
Tgt Ion:244 Resp: 651549
Ion Ratio Lower Upper
244 100
212 6.6 5.0 7.4
122 11.6 8.3 12.5





#81
Benzo(a)anthracene
Concen: 24.079 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136625.D
Acq: 18 Dec 2023 20:45

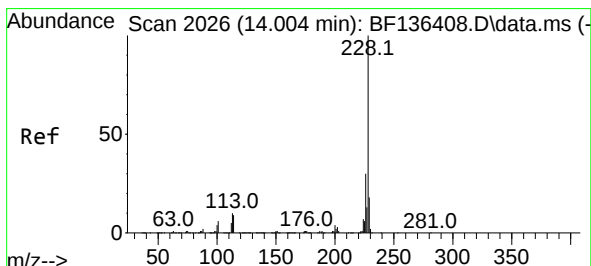
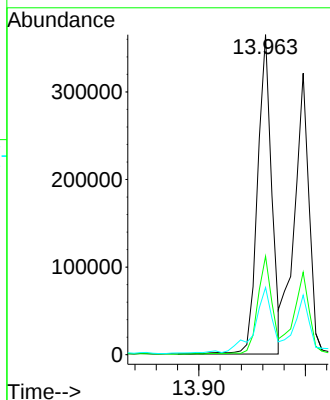
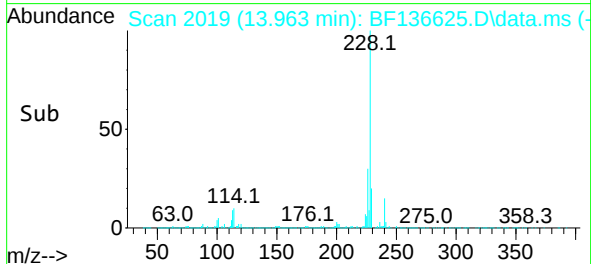
Instrument :
BNA_F
ClientSampleId :
WC-1RE



Tgt Ion:228 Resp: 332739
Ion Ratio Lower Upper
228 100
226 30.8 21.8 32.8
229 21.0 15.0 22.4

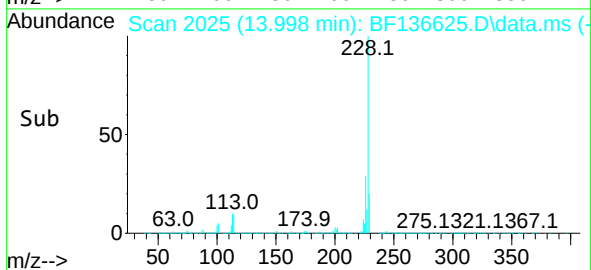
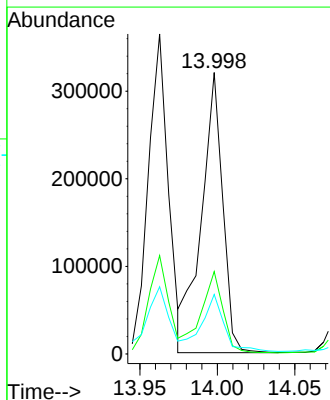
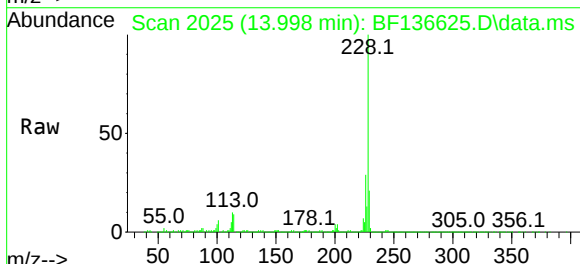
Manual Integrations
APPROVED

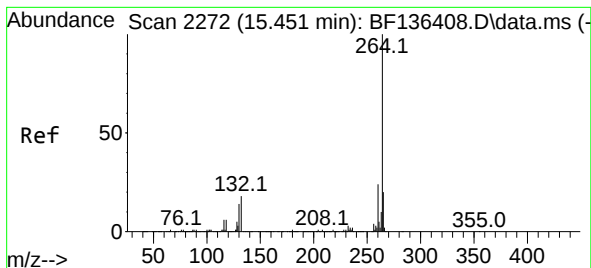
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023



#83
Chrysene
Concen: 22.581 ng m
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136625.D
Acq: 18 Dec 2023 20:45

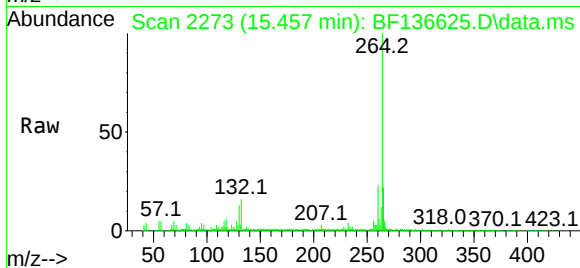
Tgt Ion:228 Resp: 307004
Ion Ratio Lower Upper
228 100
226 29.3 23.8 35.6
229 21.1 14.8 22.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF136625.D
Acq: 18 Dec 2023 20:45

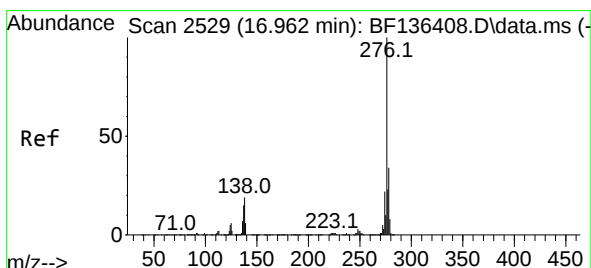
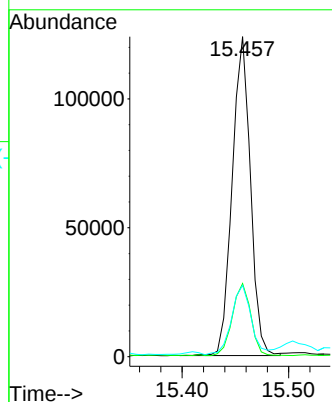
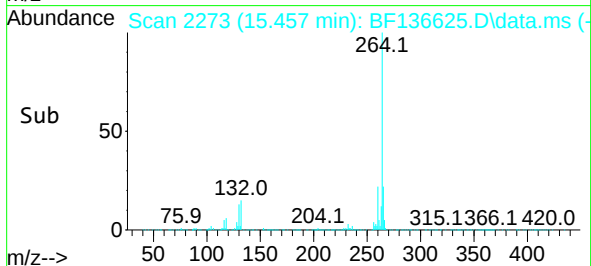
Instrument :
BNA_F
ClientSampleId :
WC-1RE



Tgt Ion:264 Resp: 147058
Ion Ratio Lower Upper
264 100
260 22.8 19.2 28.8
265 22.3 15.9 23.9

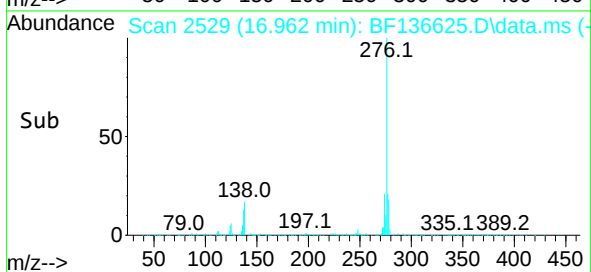
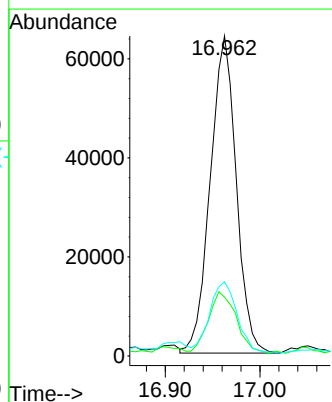
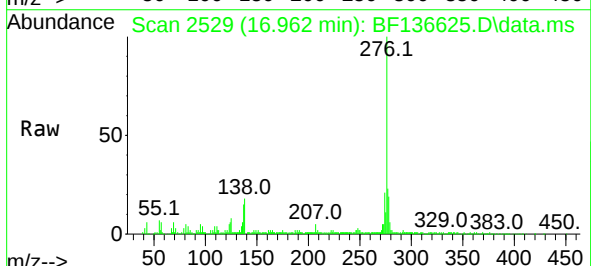
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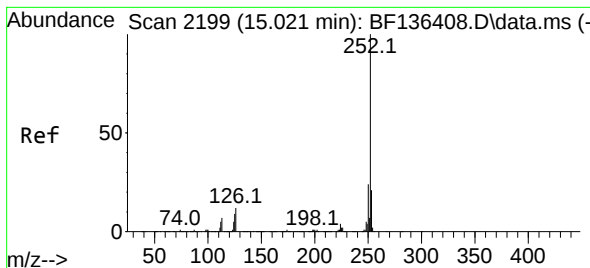
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 11.945 ng
RT: 16.962 min Scan# 2529
Delta R.T. -0.012 min
Lab File: BF136625.D
Acq: 18 Dec 2023 20:45

Tgt Ion:276 Resp: 122040
Ion Ratio Lower Upper
276 100
138 21.2 19.0 28.4
277 24.0 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 31.914 ng m

RT: 15.021 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF136625.D

Acq: 18 Dec 2023 20:45

Instrument :

BNF

ClientSampleId :

WC-1RE

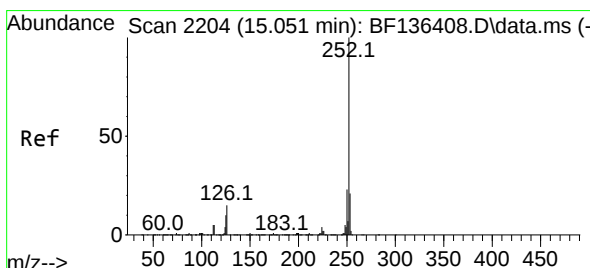
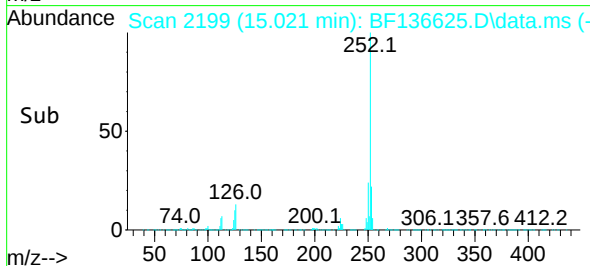
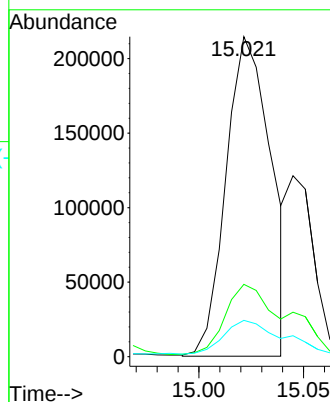
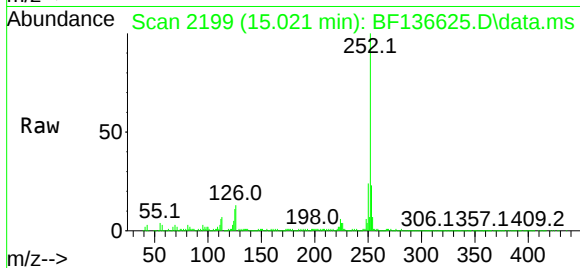
Tgt Ion:252 Resp: 32088
 Ion Ratio Lower Upper
 252 100
 253 22.6 16.9 25.3
 125 11.3 7.4 11.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/19/2023



#89

Benzo(k)fluoranthene

Concen: 10.886 ng m

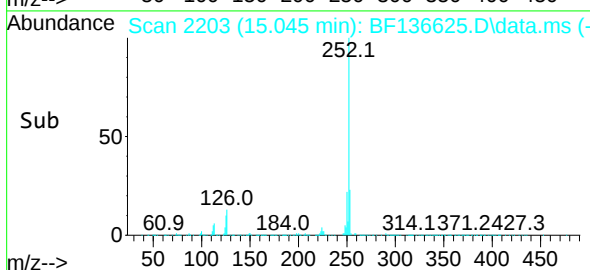
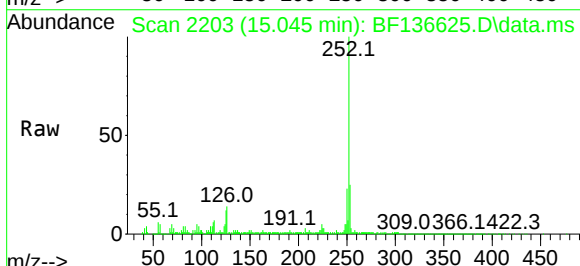
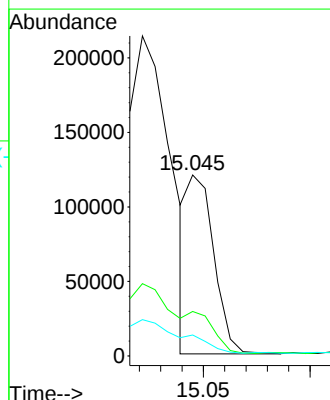
RT: 15.045 min Scan# 2203

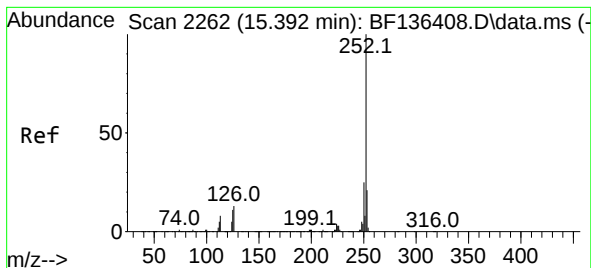
Delta R.T. -0.006 min

Lab File: BF136625.D

Acq: 18 Dec 2023 20:45

Tgt Ion:252 Resp: 103156
 Ion Ratio Lower Upper
 252 100
 253 24.5 16.9 25.3
 125 11.6 7.5 11.3





#90

Benzo(a)pyrene

Concen: 26.499 ng

RT: 15.392 min Scan# 2262

Delta R.T. -0.006 min

Lab File: BF136625.D

Acq: 18 Dec 2023 20:45

Instrument :

BNA_F

ClientSampleId :

WC-1RE

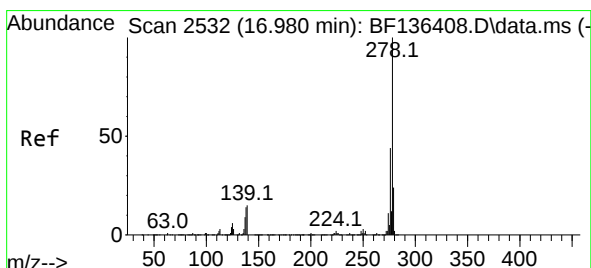
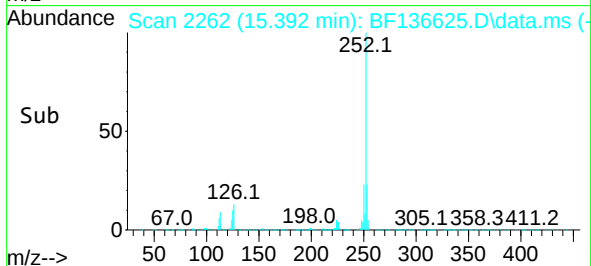
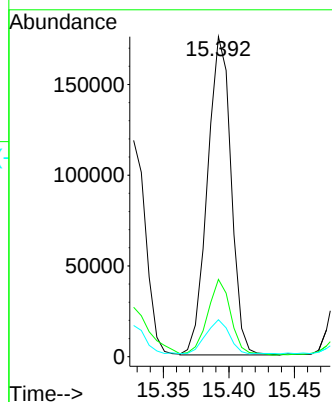
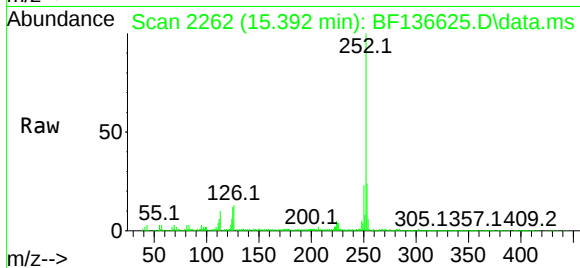
Tgt Ion:252 Resp: 220035
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.0 25.4
 125 11.5 8.6 13.0

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/19/2023



#91

Dibenzo(a,h)anthracene

Concen: 3.815 ng

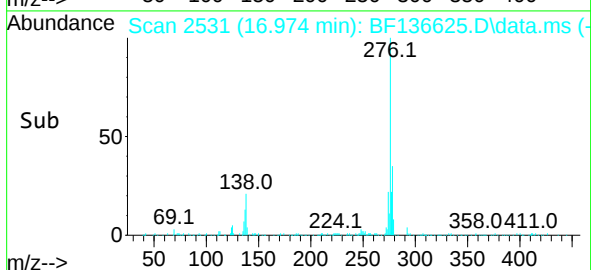
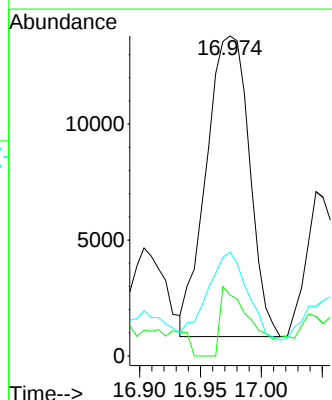
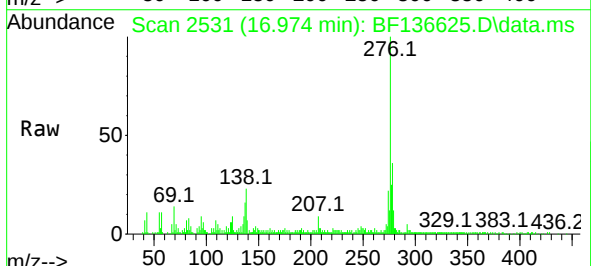
RT: 16.974 min Scan# 2531

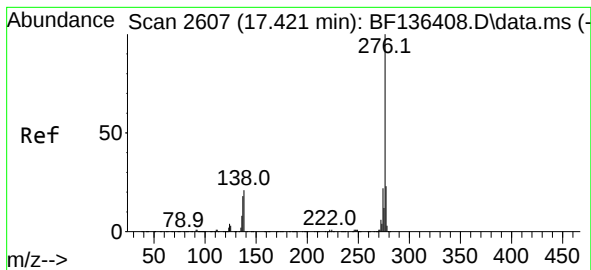
Delta R.T. -0.023 min

Lab File: BF136625.D

Acq: 18 Dec 2023 20:45

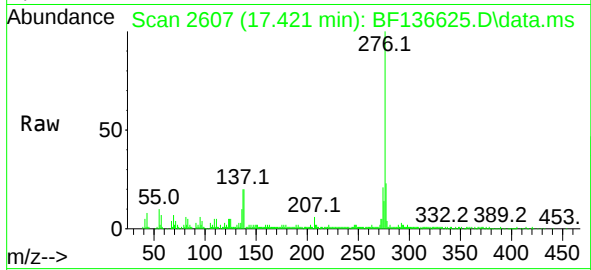
Tgt Ion:278 Resp: 31934
 Ion Ratio Lower Upper
 278 100
 139 19.0 12.2 18.4#
 279 32.4 19.0 28.4#





#92
Benzo(g,h,i)perylene
Concen: 13.150 ng
RT: 17.421 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF136625.D
Acq: 18 Dec 2023 20:45

Instrument :
BNA_F
ClientSampleId :
WC-1RE



Tgt Ion:276 Resp: 11296
Ion Ratio Lower Upper
276 100
277 22.8 18.7 28.1
138 19.7 16.6 25.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023

