

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
 Data File : BF136428.D
 Acq On : 06 Dec 2023 15:05
 Operator : CG\JU
 Sample : 05598-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 347

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/07/2023
 Supervised By :mohammad ahmed 12/07/2023

Quant Time: Dec 06 15:56:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	114068	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	422583	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	182852	20.000	ng	-0.01
64) Phenanthrene-d10	0.000	188	0m	20.000	ng	-11.33
76) Chrysene-d12	13.969	240	238998	20.000	ng	#-0.01
86) Perylene-d12	15.451	264	231719	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	527880	68.344	ng	0.00
7) Phenol-d6	6.434	99	722533	74.977	ng	-0.01
23) Nitrobenzene-d5	7.357	82	434255	55.554	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	98814	43.828	ng	-0.02
45) 2-Fluorobiphenyl	9.151	172	801169	59.786	ng	-0.01
79) Terphenyl-d14	12.916	244	643149	35.469	ng	0.00
Target Compounds						Qvalue
78) Pyrene	12.769	202	303292	12.958	ng	98
81) Benzo(a)anthracene	13.963	228	160543	9.644	ng	94
83) Chrysene	13.998	228	168699	10.300	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	62480	3.881	ng	98
88) Benzo(b)fluoranthene	15.016	252	193080m	12.187	ng	
89) Benzo(k)fluoranthene	15.039	252	64341m	4.309	ng	
90) Benzo(a)pyrene	15.386	252	121427	9.281	ng	97
92) Benzo(g,h,i)perylene	17.398	276	57862	4.275	ng	99

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

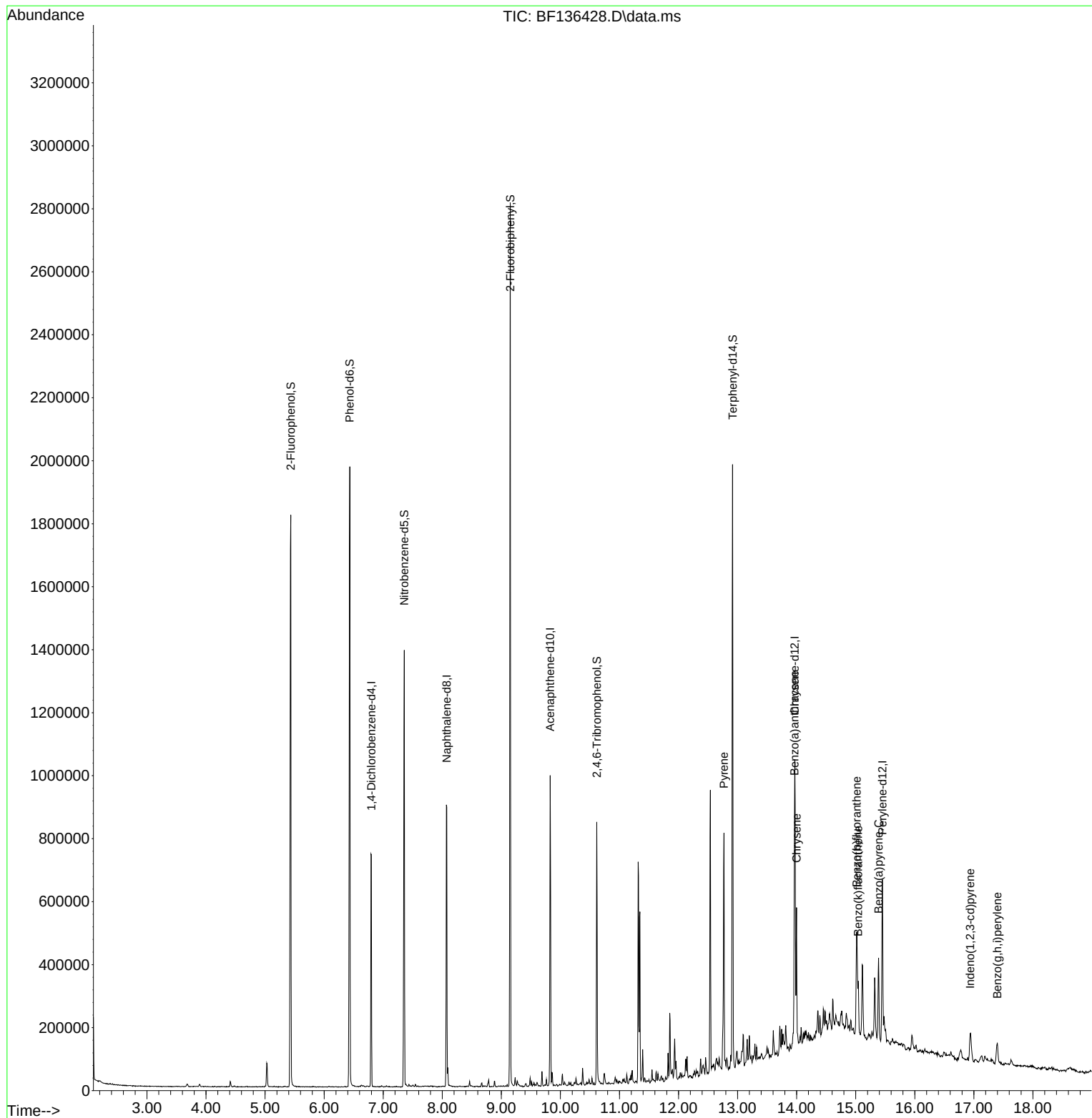
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
Data File : BF136428.D
Acq On : 06 Dec 2023 15:05
Operator : CG\JU
Sample : 05598-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

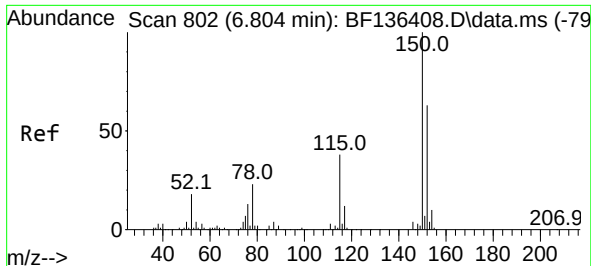
Instrument :
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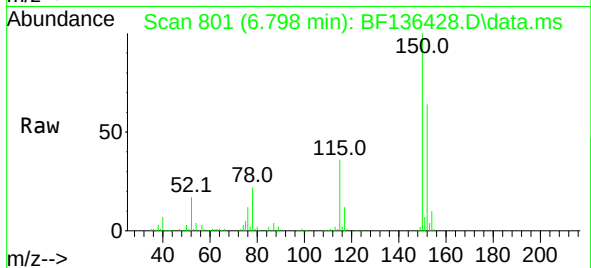
Quant Time: Dec 06 15:56:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 09:40:27 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF136428.D
Acq: 06 Dec 2023 15:05

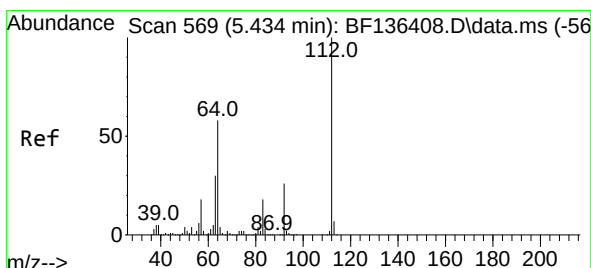
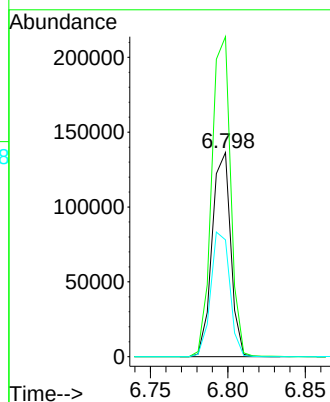
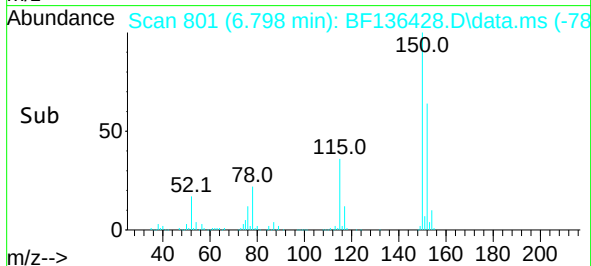
Instrument :
BNA_F
ClientSampleId :
347



Tgt Ion:152 Resp: 114068
Ion Ratio Lower Upper
152 100
150 156.7 126.4 189.6
115 57.2 48.2 72.4

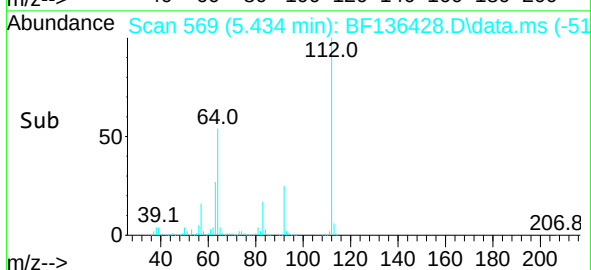
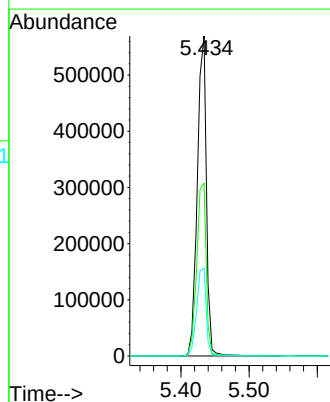
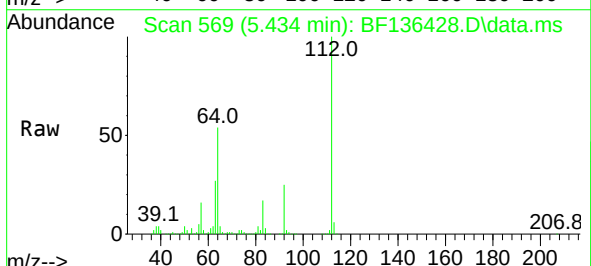
Manual Integrations
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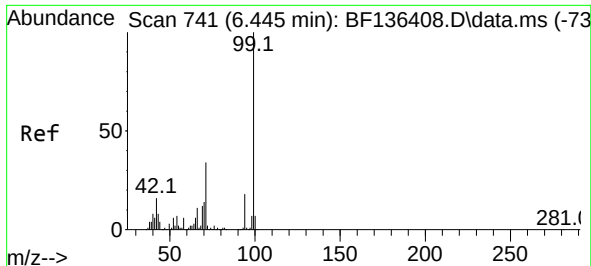
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#5
2-Fluorophenol
Concen: 68.344 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.000 min
Lab File: BF136428.D
Acq: 06 Dec 2023 15:05

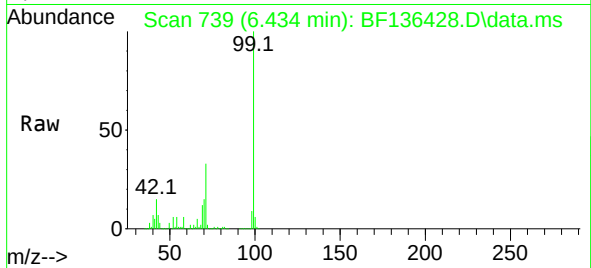
Tgt Ion:112 Resp: 527880
Ion Ratio Lower Upper
112 100
64 53.9 46.5 69.7
63 27.4 23.9 35.9





#7
Phenol-d6
Concen: 74.977 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136428.D
Acq: 06 Dec 2023 15:05

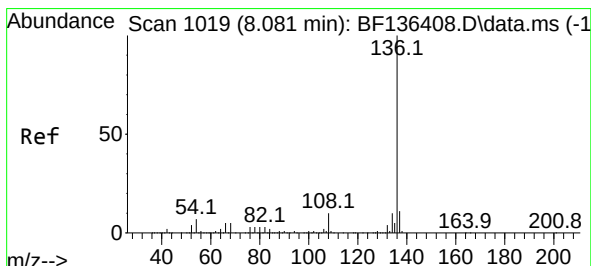
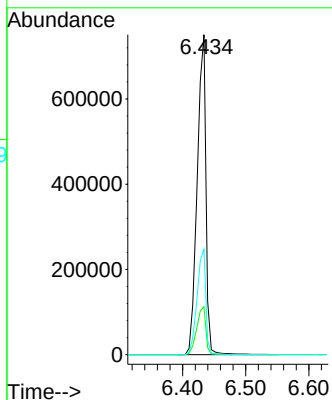
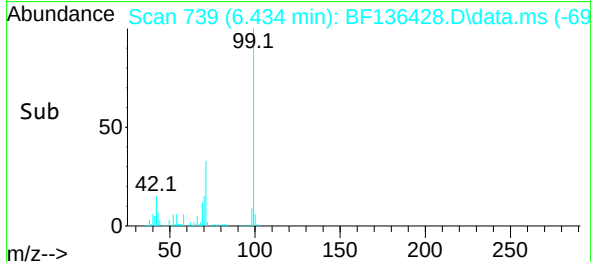
Instrument :
BNA_F
ClientSampleId :
347



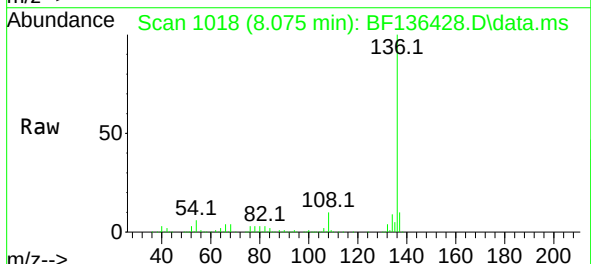
Tgt Ion: 99 Resp: 722533
Ion Ratio Lower Upper
99 100
42 15.0 12.8 19.2
71 33.0 27.0 40.4

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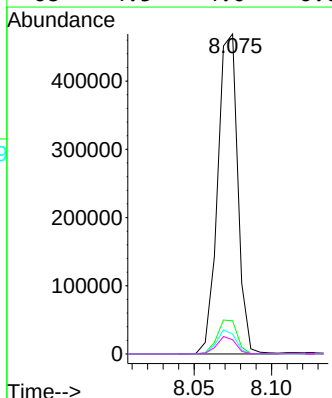
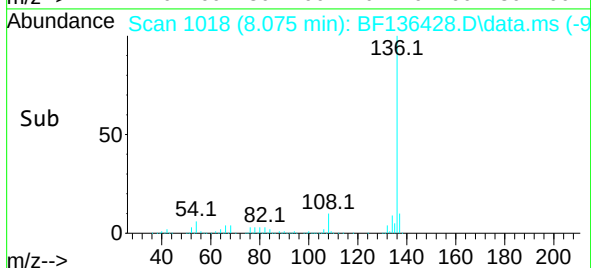
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

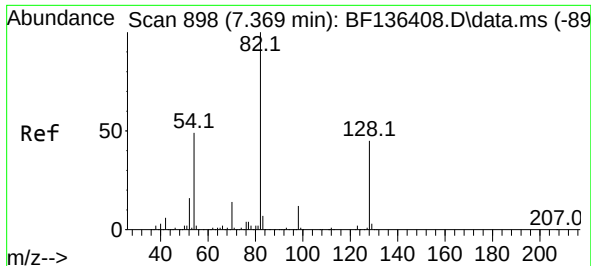


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF136428.D
Acq: 06 Dec 2023 15:05



Tgt Ion:136 Resp: 422583
Ion Ratio Lower Upper
136 100
137 10.3 8.6 12.8
54 6.2 5.7 8.5
68 4.5 4.0 6.0





#23

Nitrobenzene-d5

Concen: 55.554 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136428.D

Acq: 06 Dec 2023 15:05

Instrument :

BNA_F

ClientSampleId :

347

Tgt Ion: 82 Resp: 43425

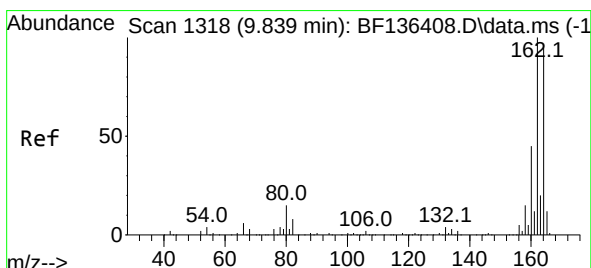
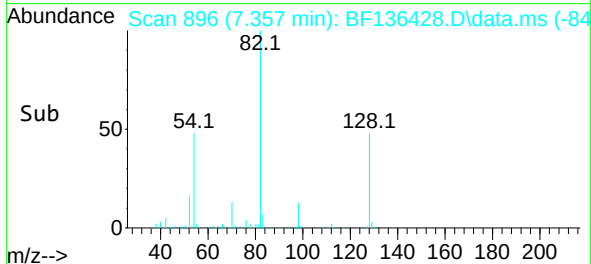
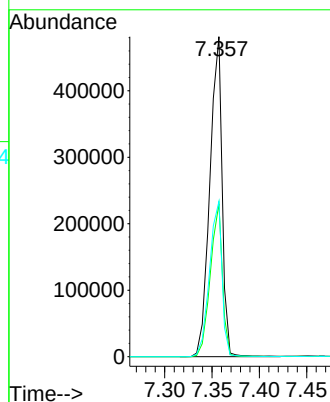
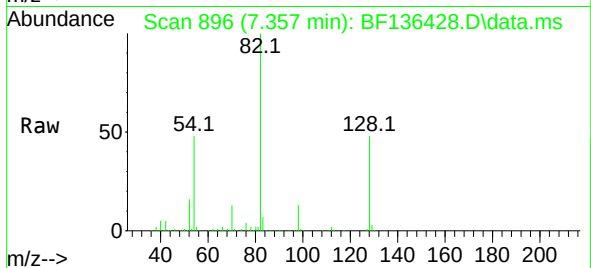
Ion	Ratio	Lower	Upper
82	100		
128	47.8	36.3	54.5
54	48.5	39.0	58.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

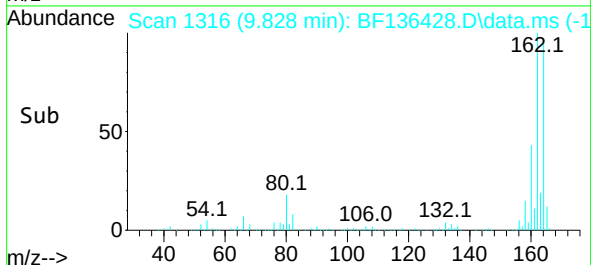
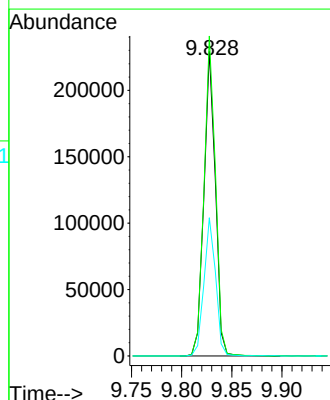
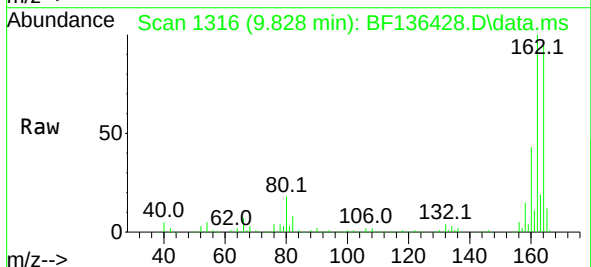
Delta R.T. -0.012 min

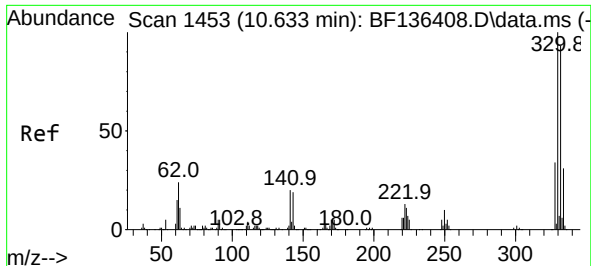
Lab File: BF136428.D

Acq: 06 Dec 2023 15:05

Tgt Ion:164 Resp: 182852

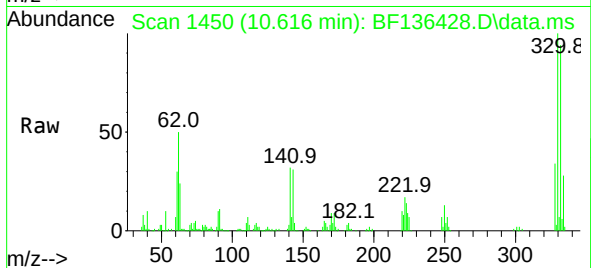
Ion	Ratio	Lower	Upper
164	100		
162	105.1	84.4	126.6
160	45.4	37.6	56.4





#42
2,4,6-Tribromophenol
Concen: 43.828 ng
RT: 10.616 min Scan# 1453
Delta R.T. -0.018 min
Lab File: BF136428.D
Acq: 06 Dec 2023 15:05

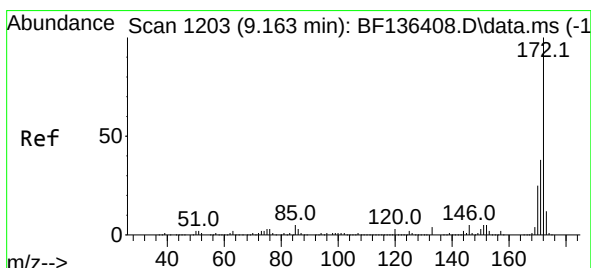
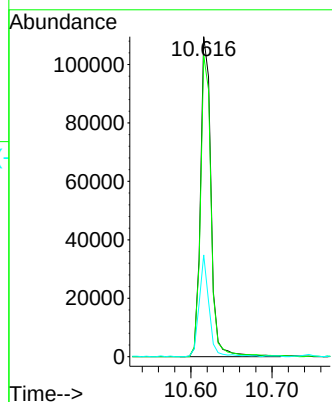
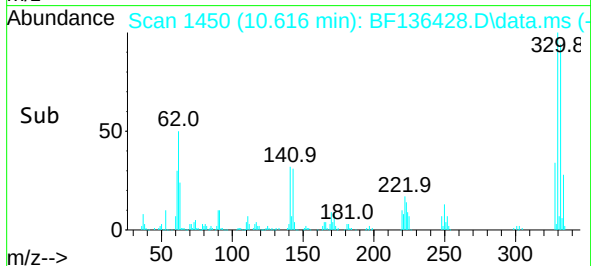
Instrument :
BNA_F
ClientSampleId :
347



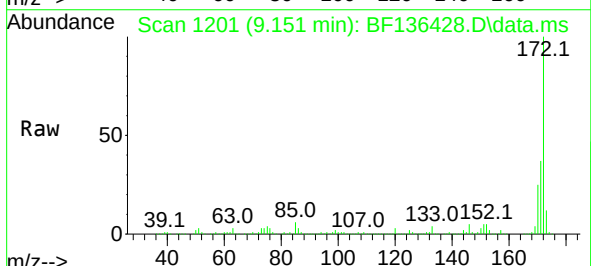
Tgt Ion: 330 Resp: 98814
Ion Ratio Lower Upper
330 100
332 95.6 76.4 114.6
141 30.1 23.4 35.2

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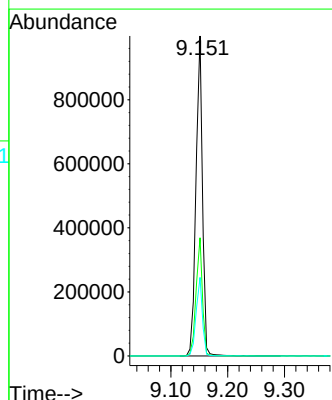
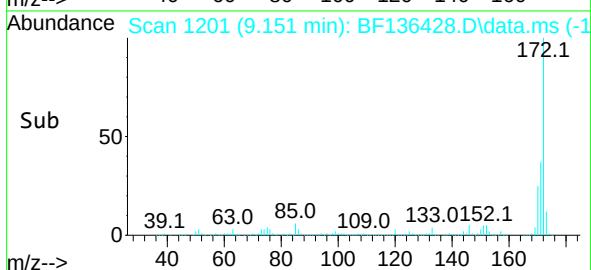
Reviewed By : Yogesh Patel 12/07/2023
Supervised By : mohammad ahmed 12/07/2023

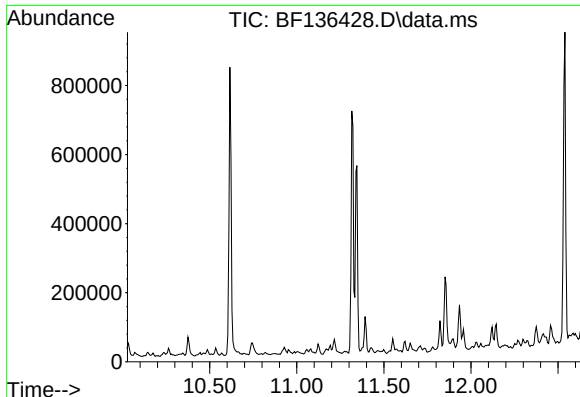


#45
2-Fluorobiphenyl
Concen: 59.786 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF136428.D
Acq: 06 Dec 2023 15:05



Tgt Ion: 172 Resp: 801169
Ion Ratio Lower Upper
172 100
171 36.9 30.5 45.7
170 24.6 19.9 29.9





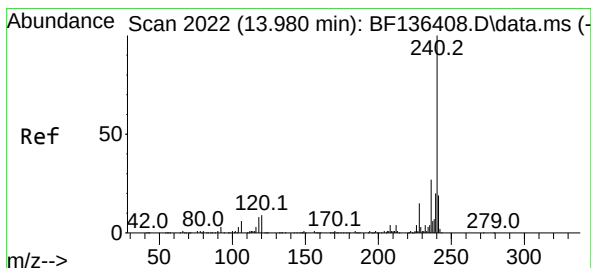
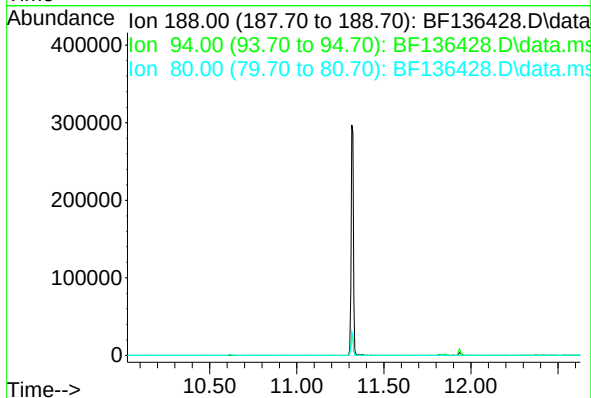
#64
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 11.33 min
 Lab File: BF136428.D
 Acq: 06 Dec 2023 15:05

Instrument :
 BNA_F
 ClientSampleId :
 347

Tgt Ion: 188
 Sig Exp Ratio
 188 100
 94 9.0
 80 9.0

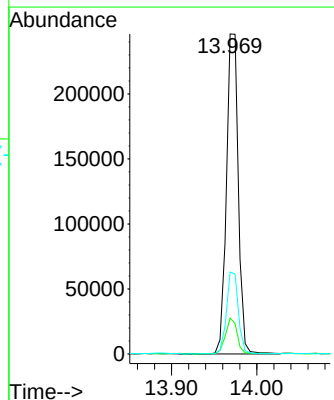
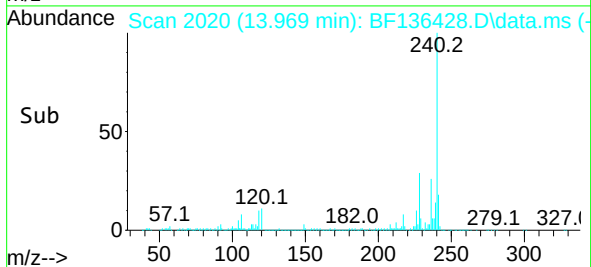
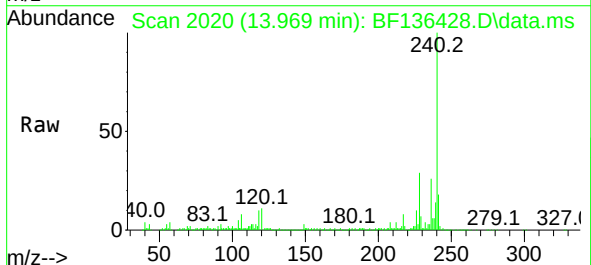
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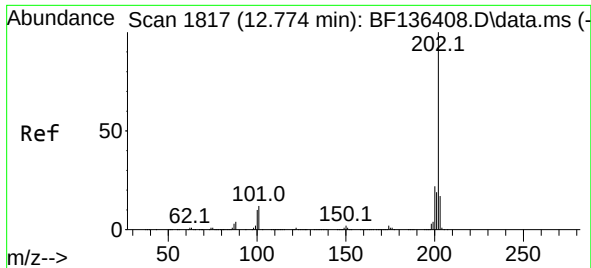
Reviewed By :Yogesh Patel 12/07/2023
 Supervised By :mohammad ahmed 12/07/2023



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.969 min Scan# 2020
 Delta R.T. -0.012 min
 Lab File: BF136428.D
 Acq: 06 Dec 2023 15:05

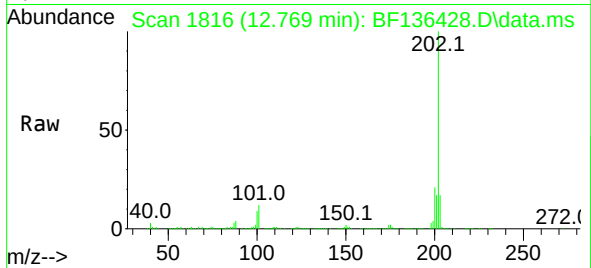
Tgt Ion:240 Resp: 238998
 Ion Ratio Lower Upper
 240 100
 120 11.2 7.3 10.9#
 236 25.6 21.3 31.9





#78
Pyrene
Concen: 12.958 ng
RT: 12.769 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF136428.D
Acq: 06 Dec 2023 15:05

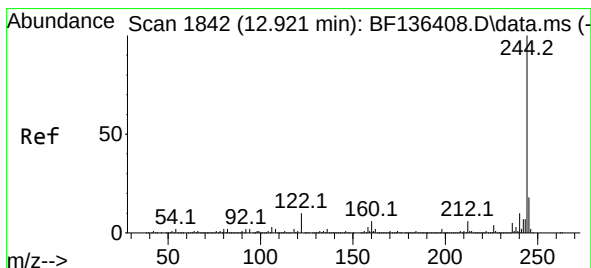
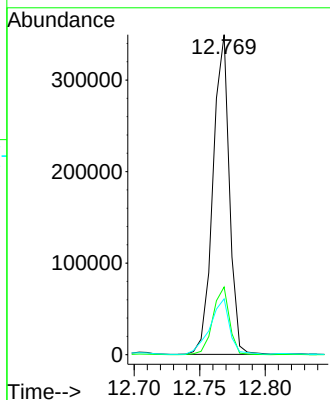
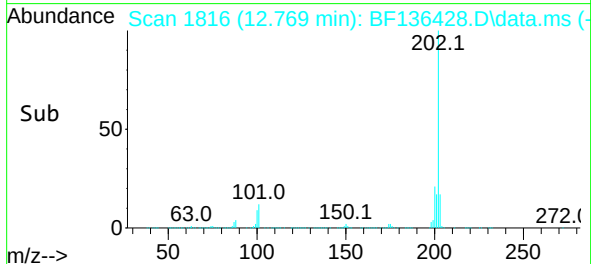
Instrument :
BNA_F
ClientSampleId :
347



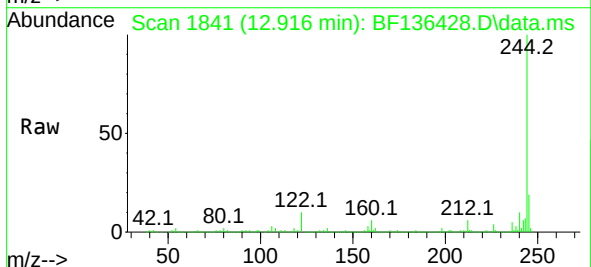
Tgt Ion:202 Resp: 303292
Ion Ratio Lower Upper
202 100
200 21.2 18.0 27.0
203 17.5 13.5 20.3

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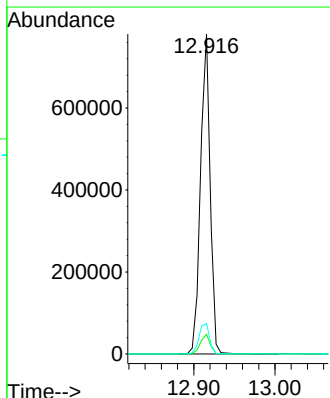
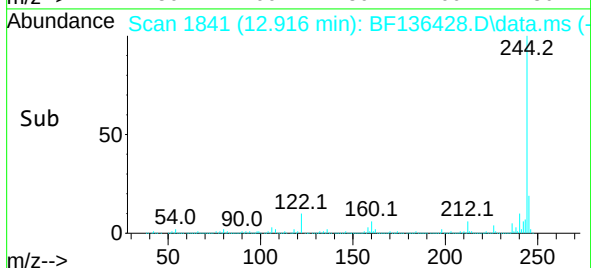
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

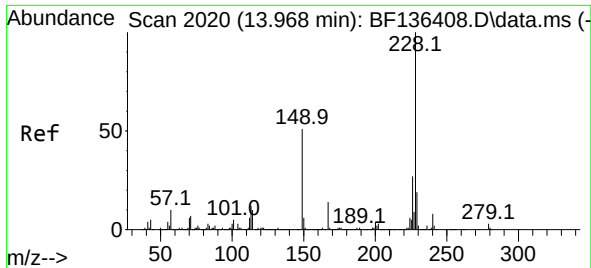


#79
Terphenyl-d14
Concen: 35.469 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF136428.D
Acq: 06 Dec 2023 15:05



Tgt Ion:244 Resp: 643149
Ion Ratio Lower Upper
244 100
212 6.2 5.0 7.4
122 9.5 8.3 12.5





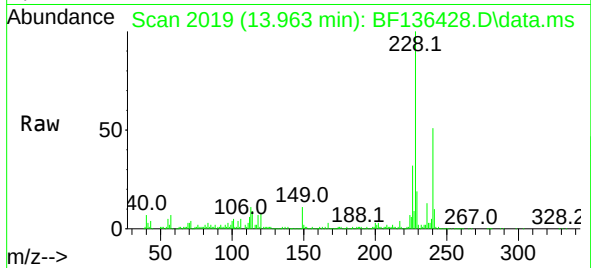
#81
Benzo(a)anthracene
Concen: 9.644 ng
RT: 13.963 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF136428.D
Acq: 06 Dec 2023 15:05

Instrument :

BNA_F

ClientSampleId :

347

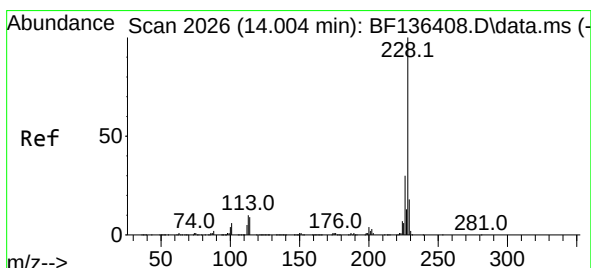
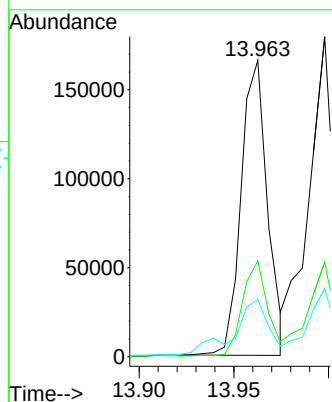
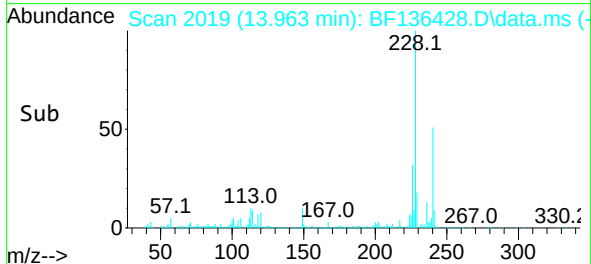


Tgt Ion:228 Resp: 16054
Ion Ratio Lower Upper
228 100
226 32.3 21.8 32.8
229 19.3 15.0 22.4

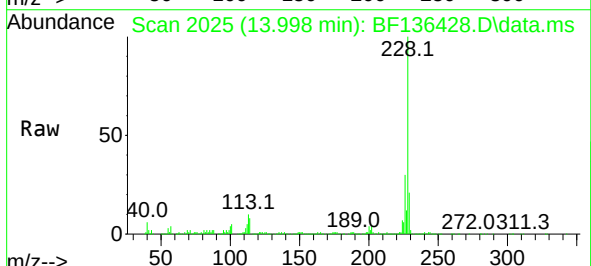
Manual Integrations

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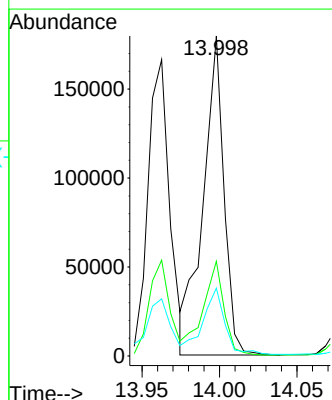
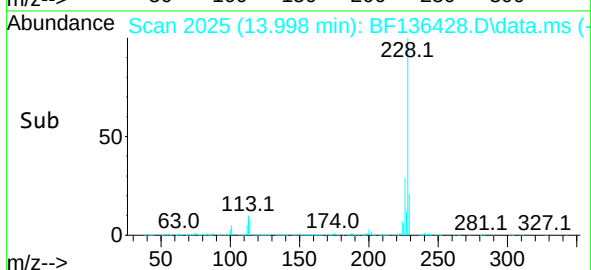
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

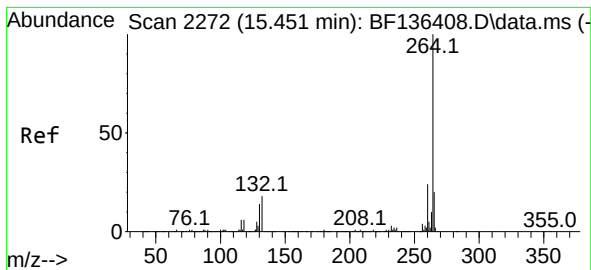


#83
Chrysene
Concen: 10.300 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136428.D
Acq: 06 Dec 2023 15:05



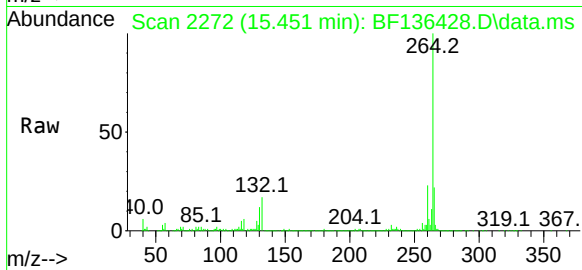
Tgt Ion:228 Resp: 168699
Ion Ratio Lower Upper
228 100
226 29.6 23.8 35.6
229 21.2 14.8 22.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF136428.D
Acq: 06 Dec 2023 15:05

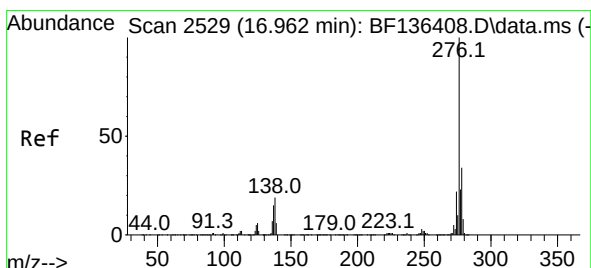
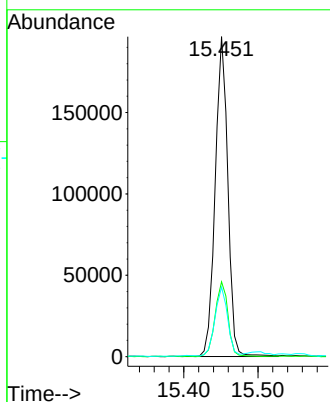
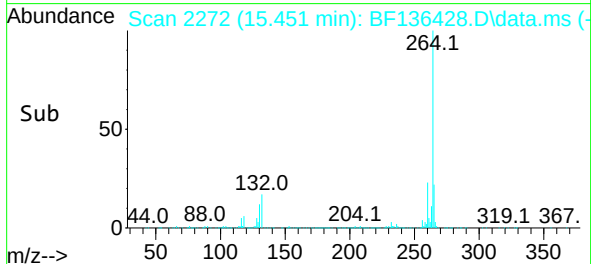
Instrument :
BNA_F
ClientSampleId :
347



Tgt Ion:264 Resp: 231719
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.7 15.9 23.9

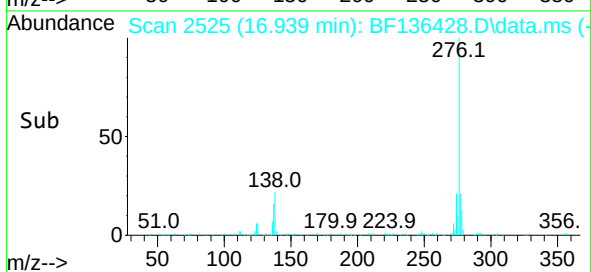
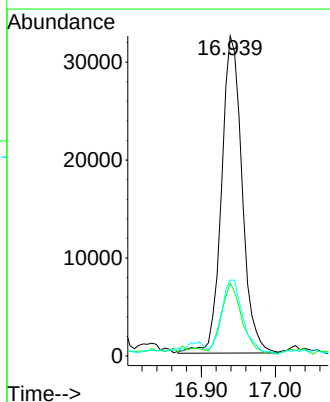
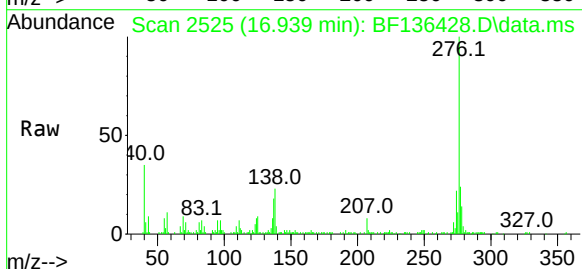
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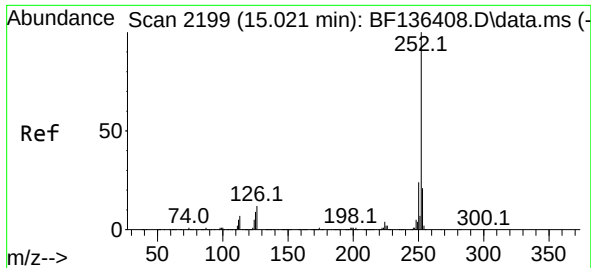
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.881 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.023 min
Lab File: BF136428.D
Acq: 06 Dec 2023 15:05

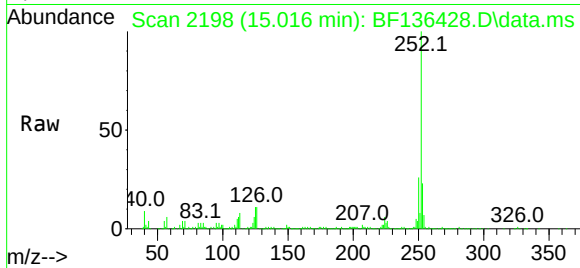
Tgt Ion:276 Resp: 62480
Ion Ratio Lower Upper
276 100
138 22.1 19.0 28.4
277 24.1 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 12.187 ng m
RT: 15.016 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF136428.D
Acq: 06 Dec 2023 15:05

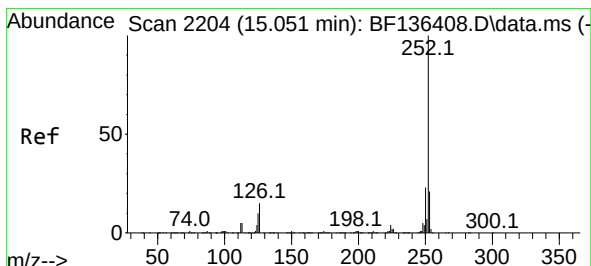
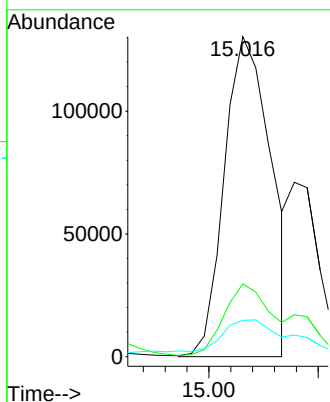
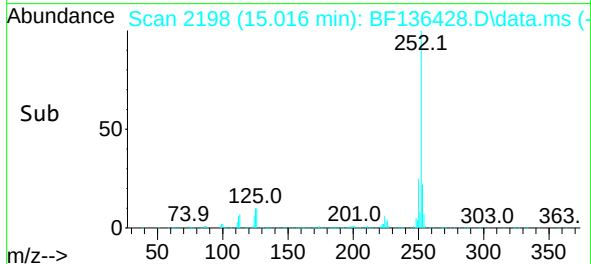
Instrument :
BNA_F
ClientSampleId :
347



Tgt Ion:252 Resp: 193080
Ion Ratio Lower Upper
252 100
253 22.8 16.9 25.3
125 11.4 7.4 11.2

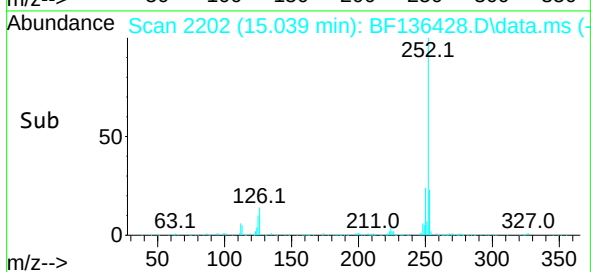
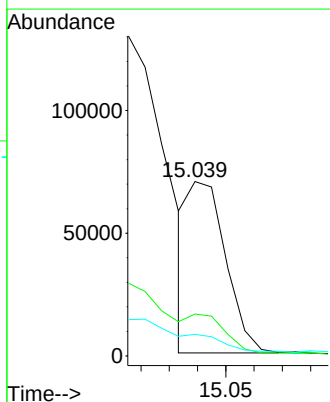
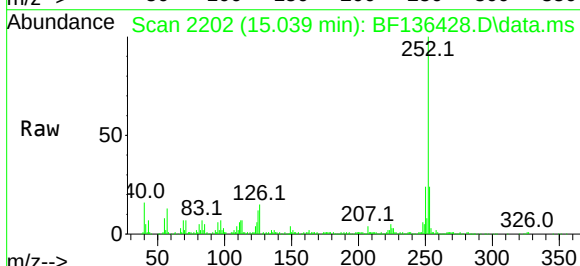
Manual Integrations
APPROVED

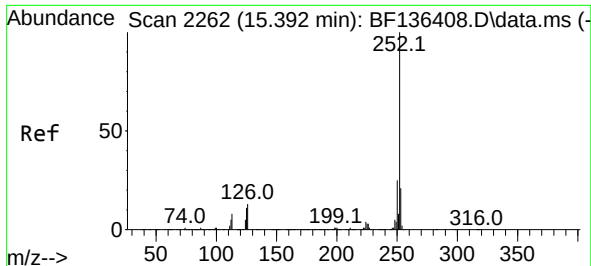
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#89
Benzo(k)fluoranthene
Concen: 4.309 ng m
RT: 15.039 min Scan# 2202
Delta R.T. -0.012 min
Lab File: BF136428.D
Acq: 06 Dec 2023 15:05

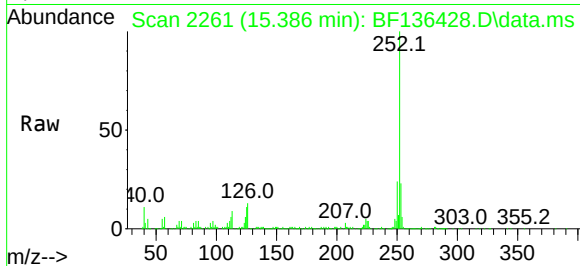
Tgt Ion:252 Resp: 64341
Ion Ratio Lower Upper
252 100
253 24.0 16.9 25.3
125 12.4 7.5 11.3





#90
Benzo(a)pyrene
Concen: 9.281 ng
RT: 15.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136428.D
Acq: 06 Dec 2023 15:05

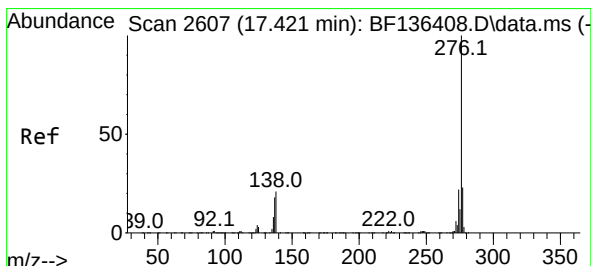
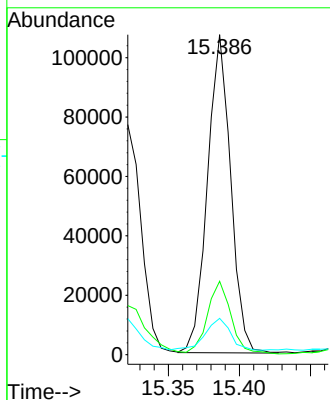
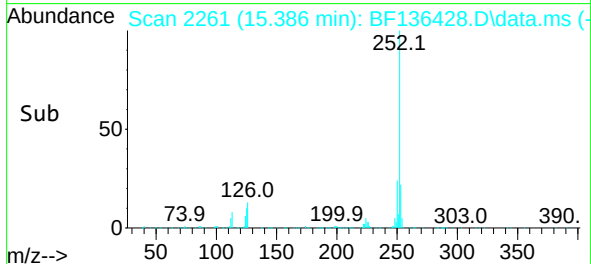
Instrument :
BNA_F
ClientSampleId :
347



Tgt Ion:252 Resp: 12142
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.4
125 11.4 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#92
Benzo(g,h,i)perylene
Concen: 4.275 ng
RT: 17.398 min Scan# 2603
Delta R.T. -0.023 min
Lab File: BF136428.D
Acq: 06 Dec 2023 15:05

Tgt Ion:276 Resp: 57862
Ion Ratio Lower Upper
276 100
277 23.0 18.7 28.1
138 20.3 16.6 25.0

