

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
 Data File : BF136518.D
 Acq On : 12 Dec 2023 16:18
 Operator : CG\JU
 Sample : 05740-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-251686

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 12 16:52:10 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	6.792	152	86352	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	335985	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	164119	20.000	ng	-0.01
64) Phenanthrene-d10	11.321	188	271909	20.000	ng	0.00
76) Chrysene-d12	13.974	240	180287	20.000	ng	0.00
86) Perylene-d12	15.457	264	230257	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	412534	70.553	ng	0.00
7) Phenol-d6	6.434	99	507800	69.607	ng	-0.01
23) Nitrobenzene-d5	7.351	82	287376	46.239	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	126409	62.467	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	572341	47.585	ng	-0.02
79) Terphenyl-d14	12.915	244	489044	35.753	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	183753	12.295	ng	99
72) Anthracene	11.392	178	36494	2.424	ng	97
75) Fluoranthene	12.539	202	290427	18.544	ng	97
78) Pyrene	12.768	202	270001	15.292	ng	99
81) Benzo(a)anthracene	13.962	228	132851	10.579	ng	97
83) Chrysene	13.998	228	121292	9.817	ng	97
87) Indeno(1,2,3-cd)pyrene	16.945	276	89944	5.623	ng	97
88) Benzo(b)fluoranthene	15.015	252	191466m	12.162	ng	
89) Benzo(k)fluoranthene	15.045	252	48153m	3.246	ng	
90) Benzo(a)pyrene	15.386	252	138125	10.624	ng	99
92) Benzo(g,h,i)perylene	17.398	276	84579	6.288	ng	98

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

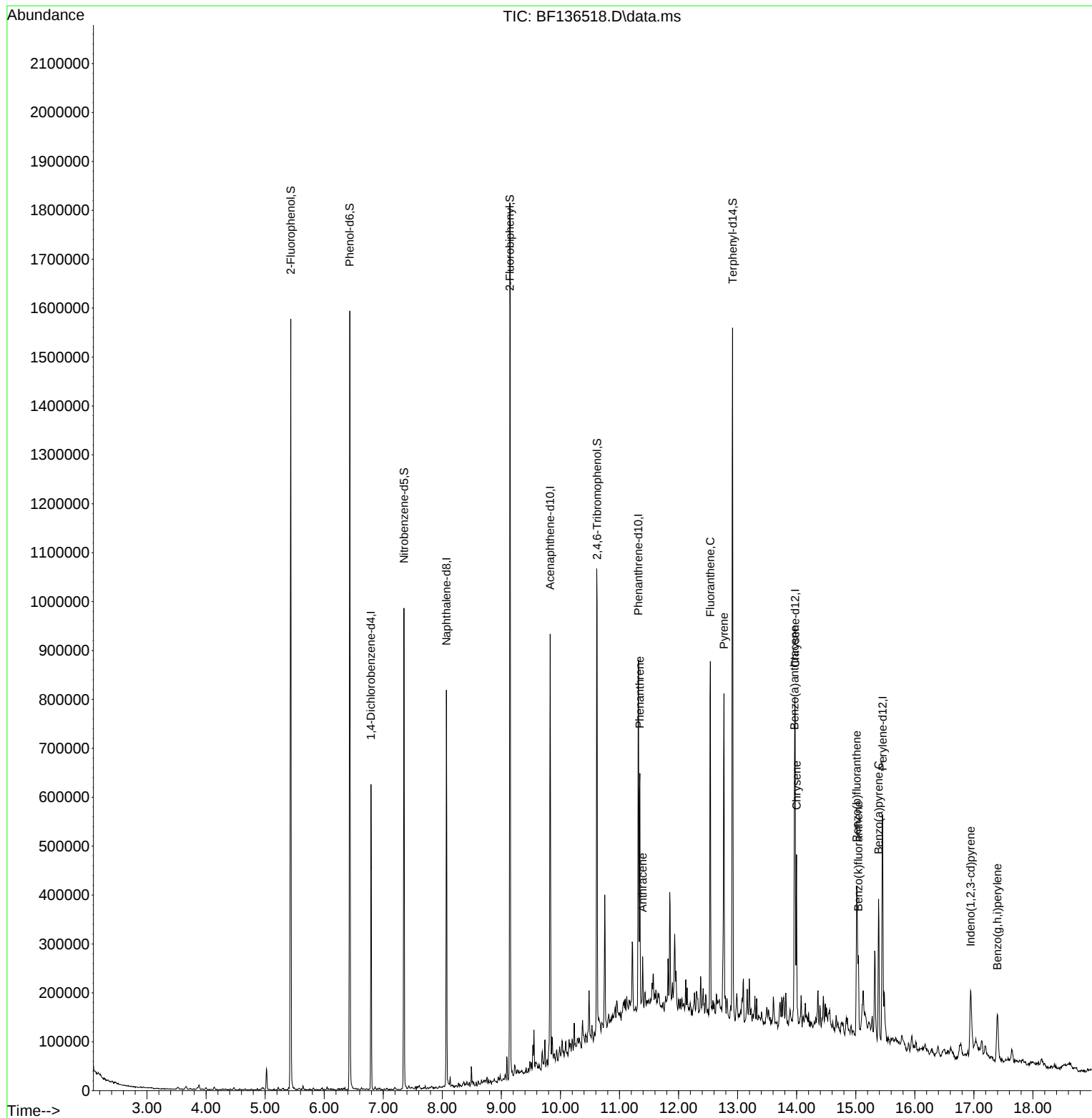
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
Data File : BF136518.D
Acq On : 12 Dec 2023 16:18
Operator : CG\JU
Sample : 05740-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

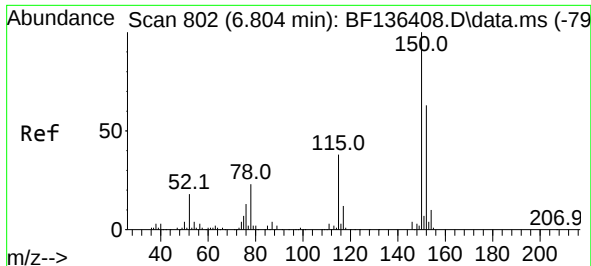
Instrument :
BNA_F
ClientSampleId :
RBR-251686

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 12 16:52:10 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





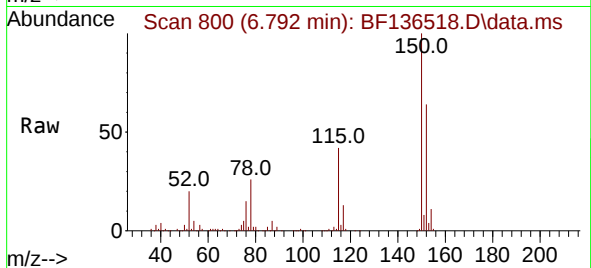
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 802
Delta R.T. -0.012 min
Lab File: BF136518.D
Acq: 12 Dec 2023 16:18

Instrument :

BNA_F

ClientSampleId :

RBR-251686

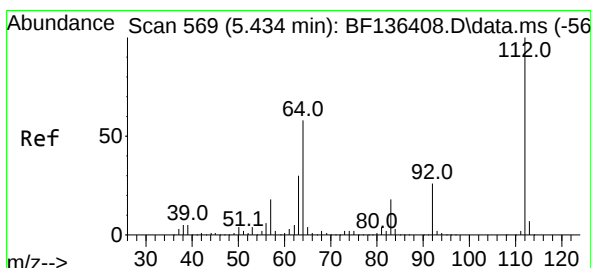
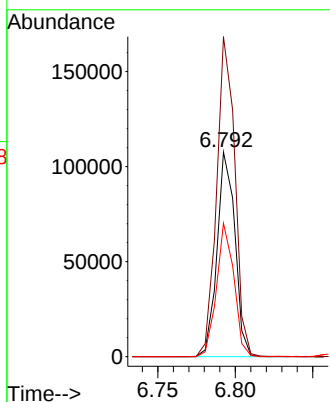
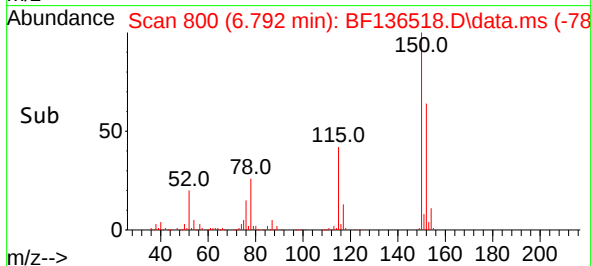


Tgt Ion:152 Resp: 86352
Ion Ratio Lower Upper
152 100
150 156.3 126.4 189.6
115 65.2 48.2 72.4

Manual Integrations

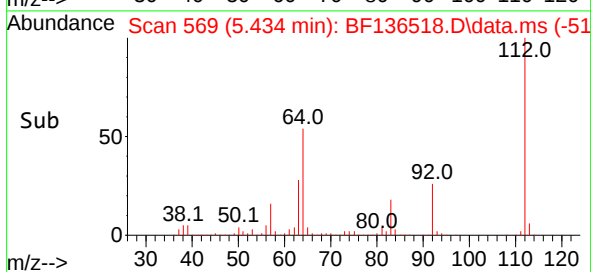
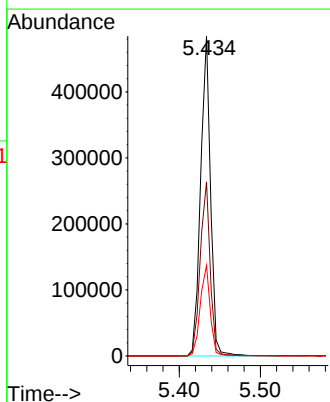
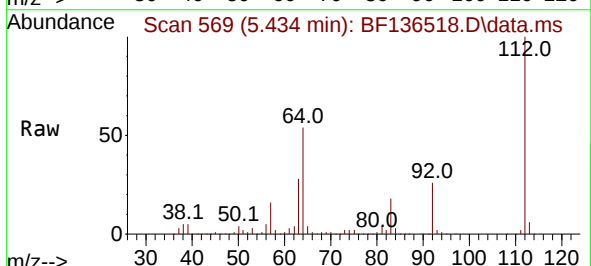
APPROVED

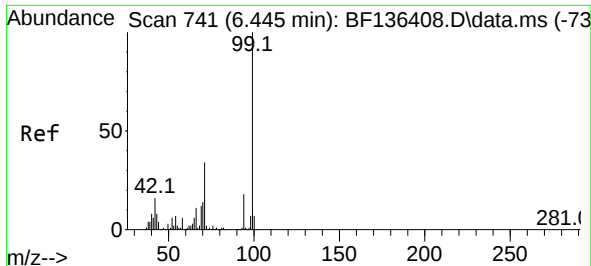
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#5
2-Fluorophenol
Concen: 70.553 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.000 min
Lab File: BF136518.D
Acq: 12 Dec 2023 16:18

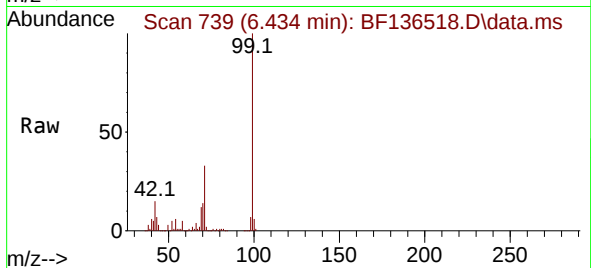
Tgt Ion:112 Resp: 412534
Ion Ratio Lower Upper
112 100
64 54.4 46.5 69.7
63 28.3 23.9 35.9





#7
Phenol-d6
Concen: 69.607 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136518.D
Acq: 12 Dec 2023 16:18

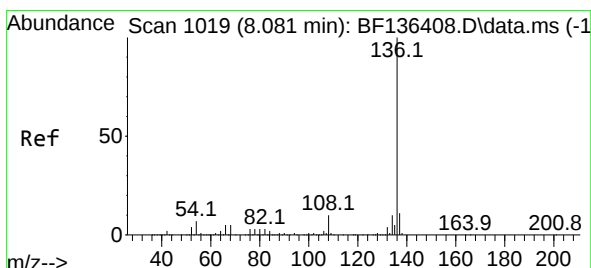
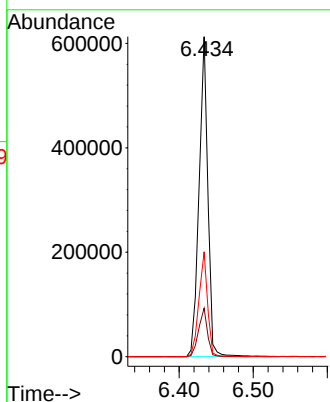
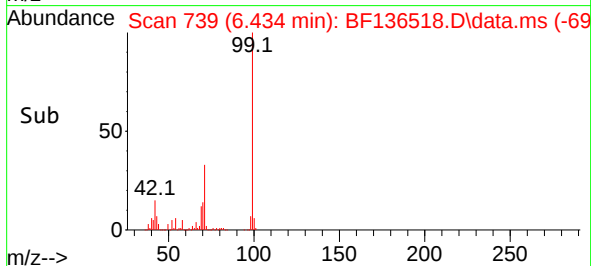
Instrument :
BNA_F
ClientSampleId :
RBR-251686



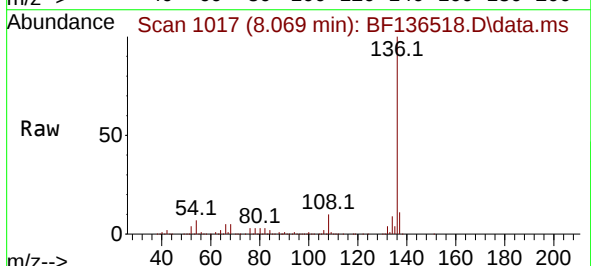
Tgt Ion: 99 Resp: 507800
Ion Ratio Lower Upper
99 100
42 15.2 12.8 19.2
71 32.8 27.0 40.4

Manual Integrations
APPROVED

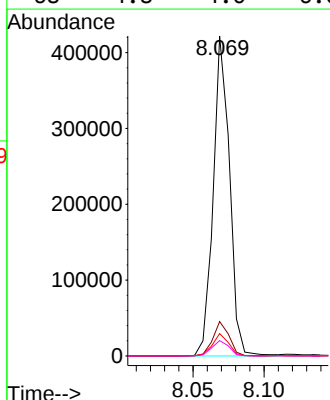
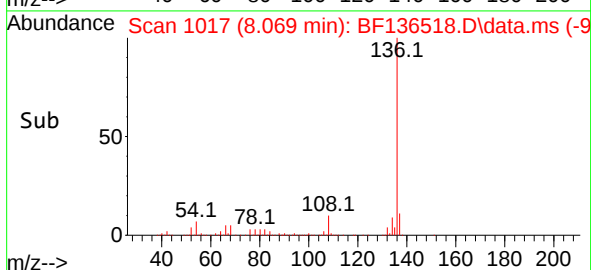
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

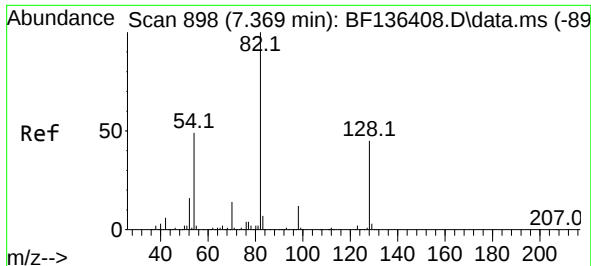


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136518.D
Acq: 12 Dec 2023 16:18



Tgt Ion:136 Resp: 335985
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 7.0 5.7 8.5
68 4.8 4.0 6.0





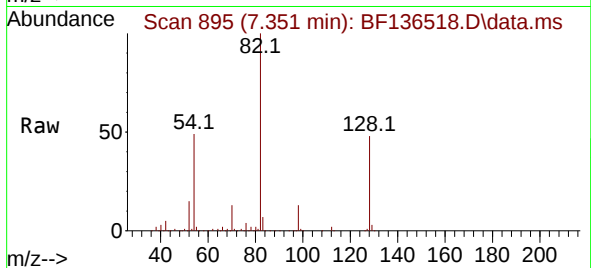
#23
Nitrobenzene-d5
Concen: 46.239 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF136518.D
Acq: 12 Dec 2023 16:18

Instrument :

BNA_F

ClientSampleId :

RBR-251686

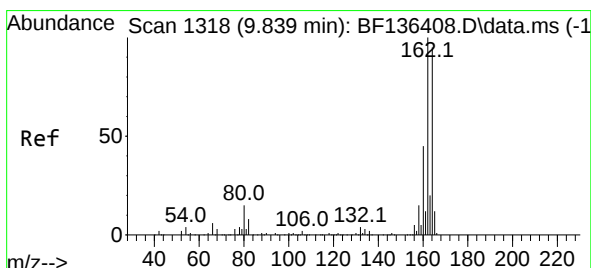
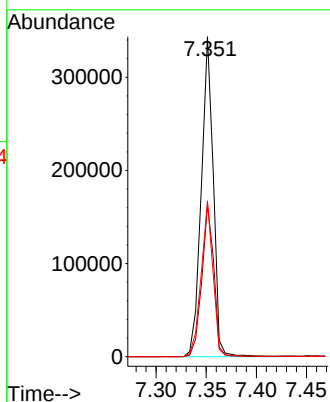
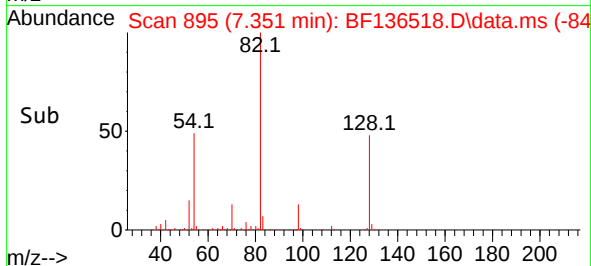


Tgt Ion: 82 Resp: 287370
Ion Ratio Lower Upper
82 100
128 47.5 36.3 54.5
54 48.7 39.0 58.6

Manual Integrations

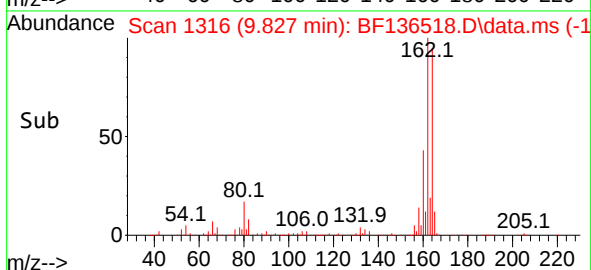
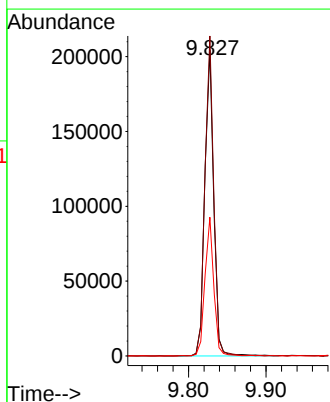
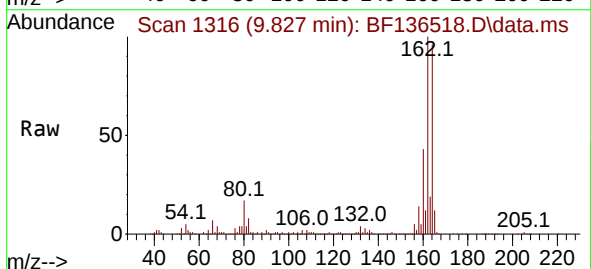
APPROVED

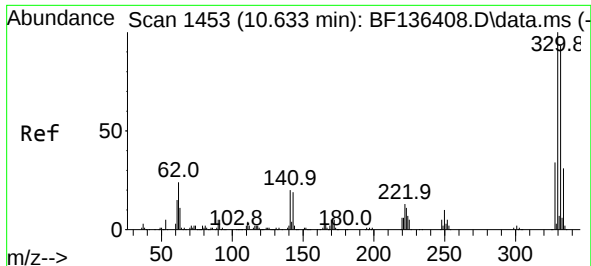
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136518.D
Acq: 12 Dec 2023 16:18

Tgt Ion:164 Resp: 164119
Ion Ratio Lower Upper
164 100
162 104.7 84.4 126.6
160 45.4 37.6 56.4





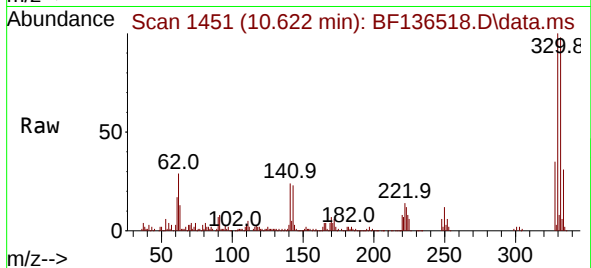
#42
2,4,6-Tribromophenol
Concen: 62.467 ng
RT: 10.622 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF136518.D
Acq: 12 Dec 2023 16:18

Instrument :

BNA_F

ClientSampleId :

RBR-251686



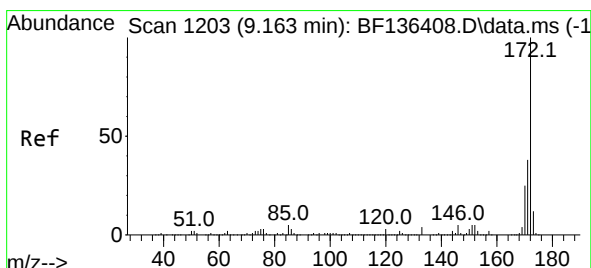
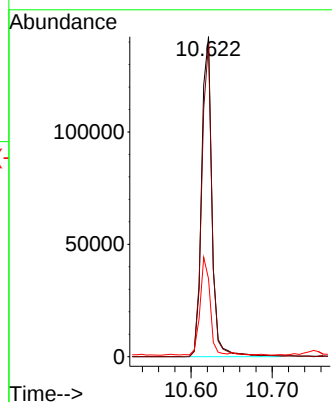
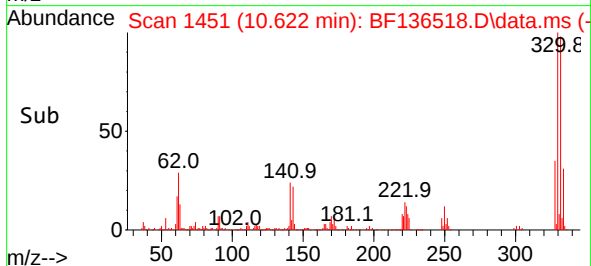
Tgt Ion:330 Resp: 126409
Ion Ratio Lower Upper
330 100
332 96.4 76.4 114.6
141 28.9 23.4 35.2

Manual Integrations

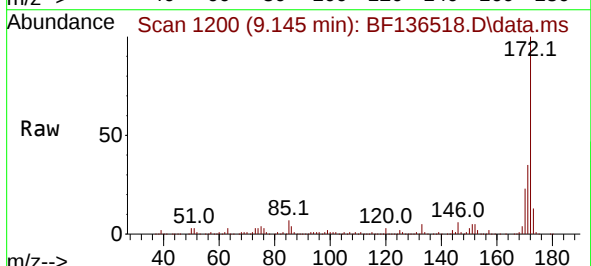
APPROVED

Reviewed By :Yogesh Patel 12/14/2023

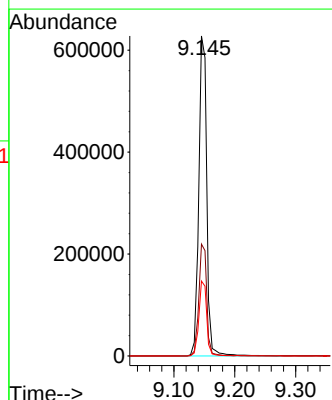
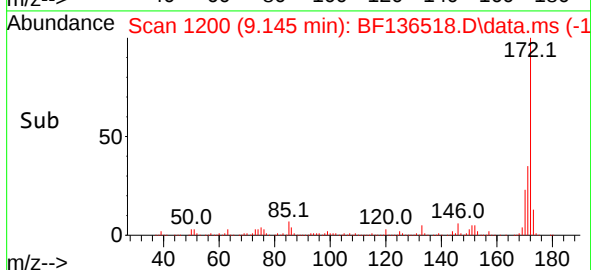
Supervised By :mohammad ahmed 12/14/2023

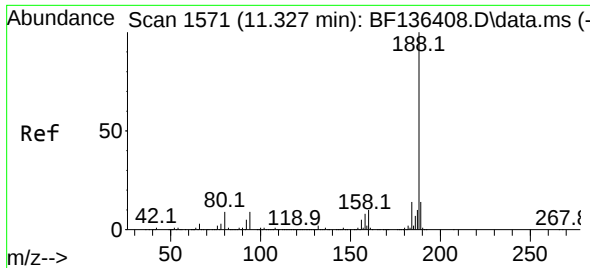


#45
2-Fluorobiphenyl
Concen: 47.585 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF136518.D
Acq: 12 Dec 2023 16:18



Tgt Ion:172 Resp: 572341
Ion Ratio Lower Upper
172 100
171 35.0 30.5 45.7
170 23.4 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136518.D
Acq: 12 Dec 2023 16:18

Instrument :

BNA_F

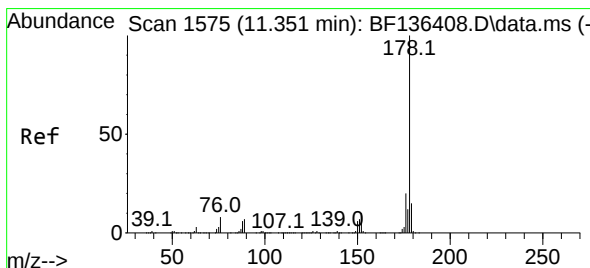
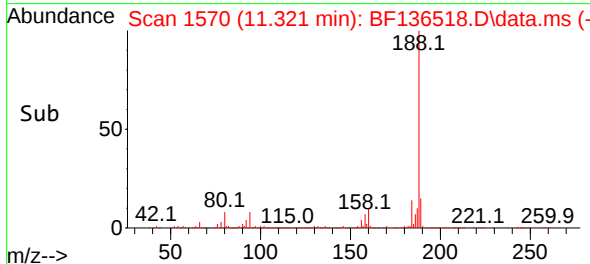
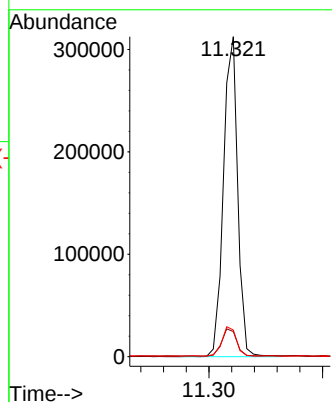
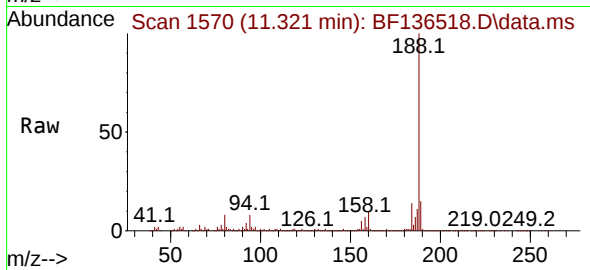
ClientSampleId :

RBR-251686

Tgt Ion:188 Resp: 271909
Ion Ratio Lower Upper
188 100
94 7.8 7.2 10.8
80 8.3 7.2 10.8

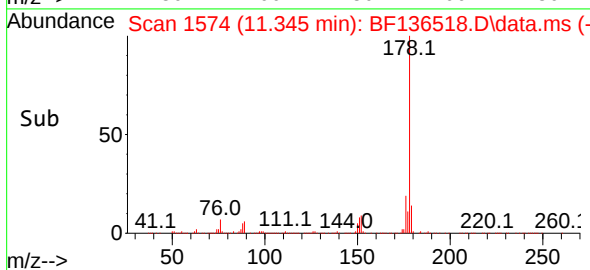
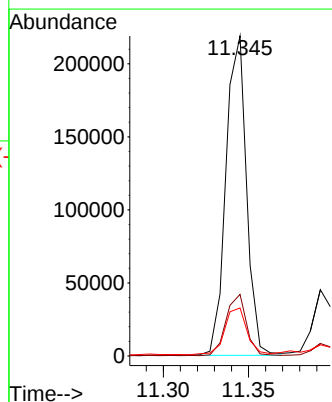
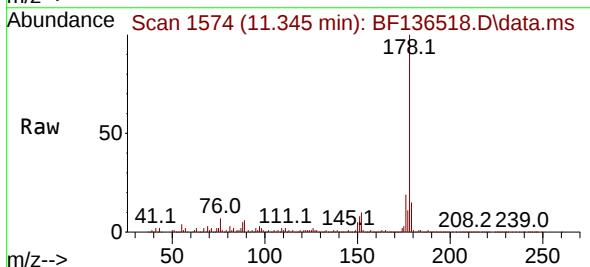
Manual Integrations
APPROVED

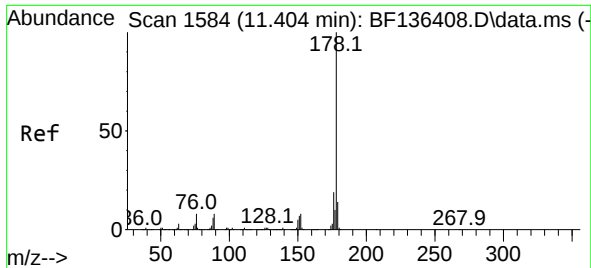
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#71
Phenanthrene
Concen: 12.295 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF136518.D
Acq: 12 Dec 2023 16:18

Tgt Ion:178 Resp: 183753
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.0 11.8 17.6





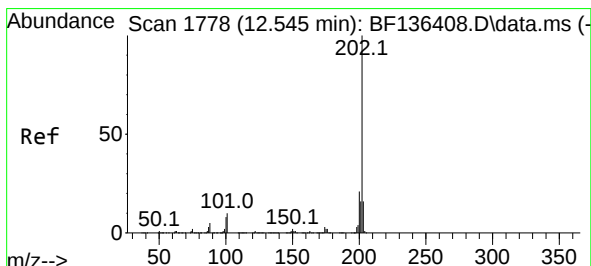
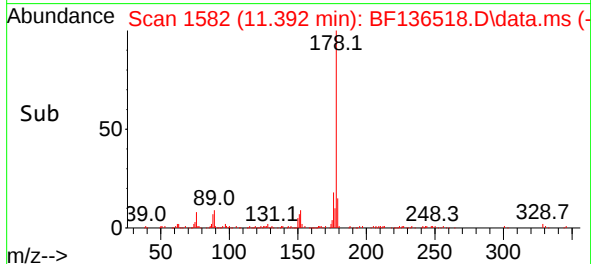
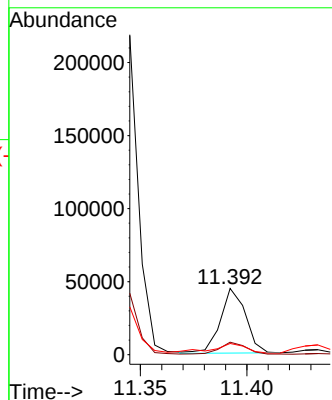
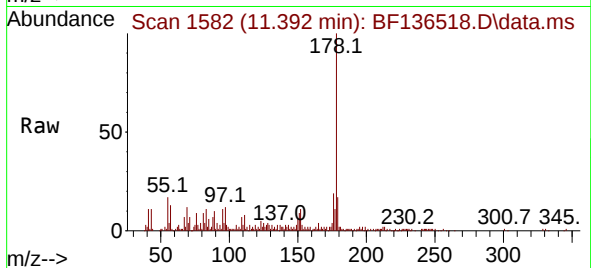
#72
 Anthracene
 Concen: 2.424 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136518.D
 Acq: 12 Dec 2023 16:18

Instrument :
 BNA_F
 ClientSampleId :
 RBR-251686

Tgt Ion:178 Resp: 36494
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.3 22.9
 179 16.9 11.4 17.0

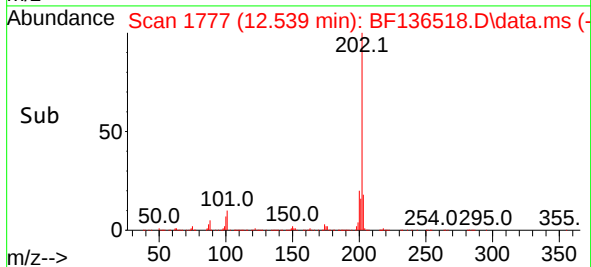
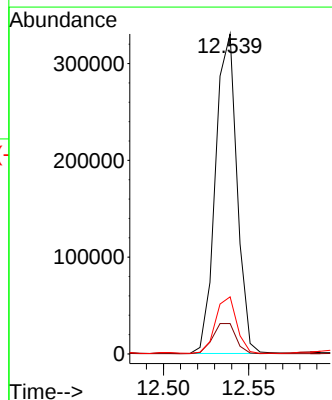
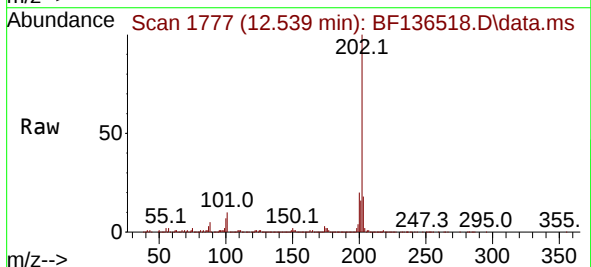
Manual Integrations
 APPROVED

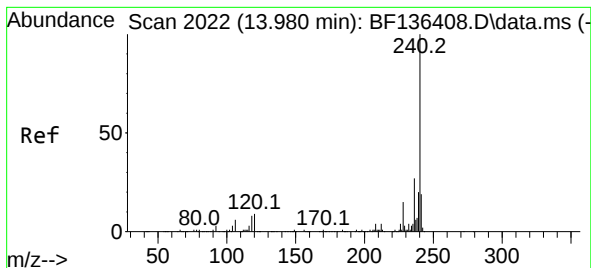
Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023



#75
 Fluoranthene
 Concen: 18.544 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. -0.006 min
 Lab File: BF136518.D
 Acq: 12 Dec 2023 16:18

Tgt Ion:202 Resp: 290427
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 29.9
 203 17.8 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF136518.D

Acq: 12 Dec 2023 16:18

Instrument :

BNA_F

ClientSampleId :

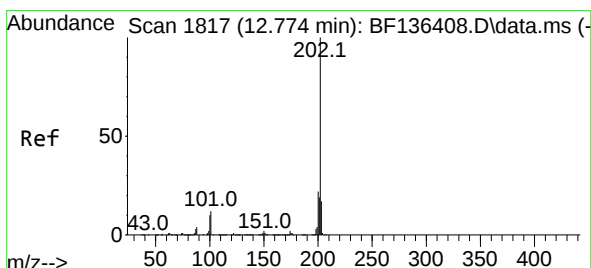
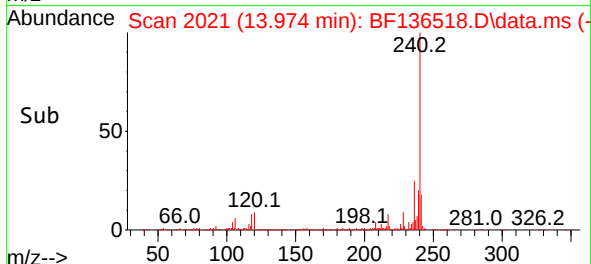
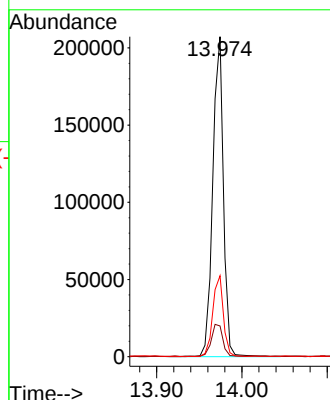
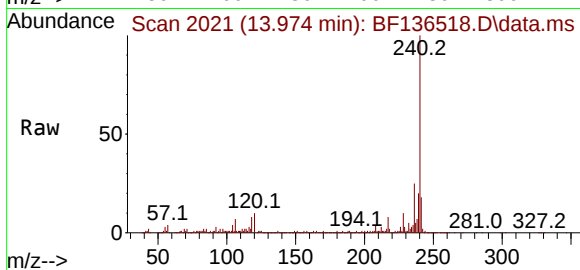
RBR-251686

Tgt Ion:240	Resp: 18028
Ion Ratio	Lower Upper
240 100	
120 9.6	7.3 10.9
236 25.3	21.3 31.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#78

Pyrene

Concen: 15.292 ng

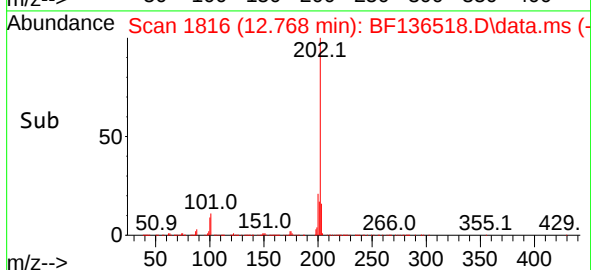
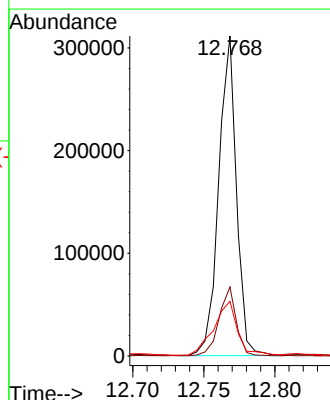
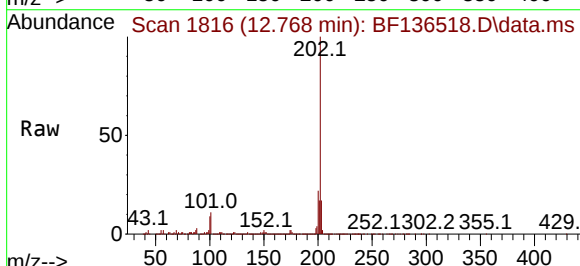
RT: 12.768 min Scan# 1816

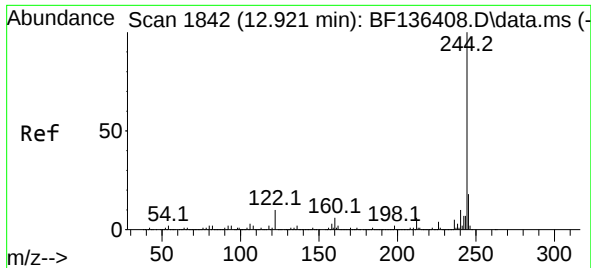
Delta R.T. -0.006 min

Lab File: BF136518.D

Acq: 12 Dec 2023 16:18

Tgt Ion:202	Resp: 270001
Ion Ratio	Lower Upper
202 100	
200 21.5	18.0 27.0
203 17.1	13.5 20.3





#79
 Terphenyl-d14
 Concen: 35.753 ng
 RT: 12.915 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF136518.D
 Acq: 12 Dec 2023 16:18

Instrument :

BNA_F

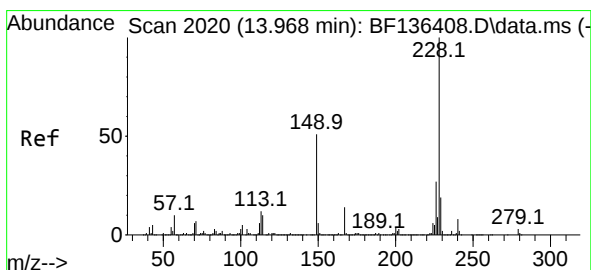
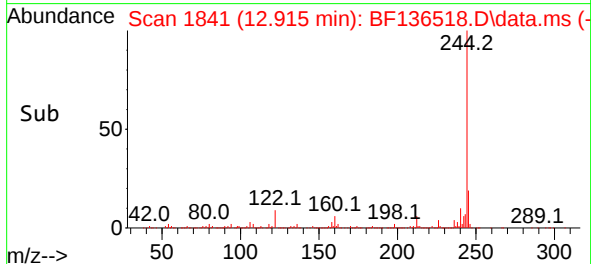
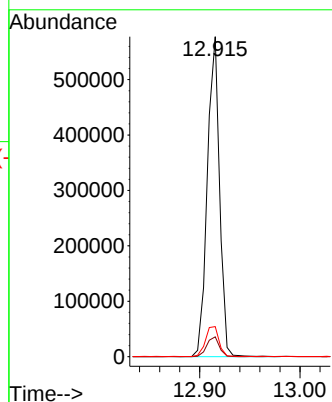
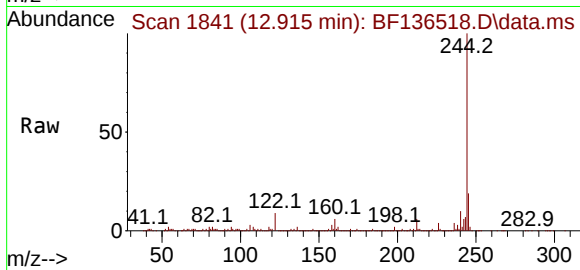
ClientSampleId :

RBR-251686

Tgt Ion:244 Resp: 48904
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.4
 122 9.4 8.3 12.5

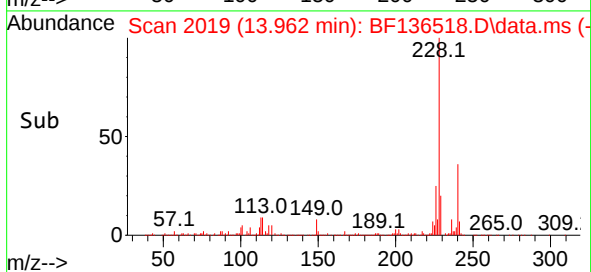
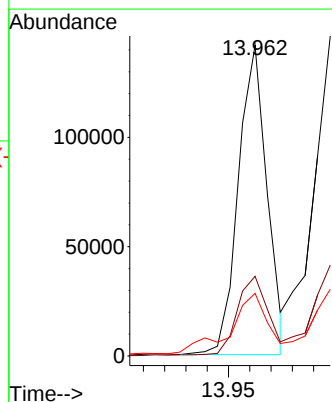
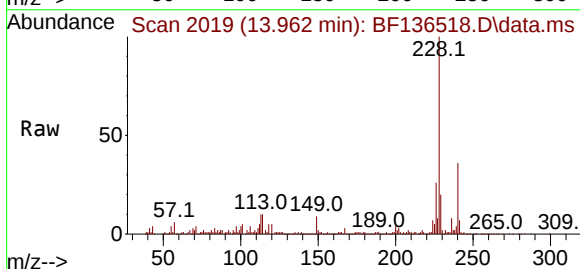
Manual Integrations
 APPROVED

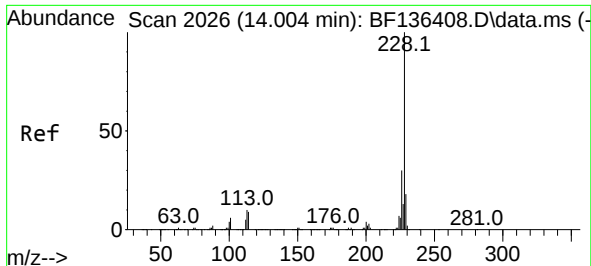
Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023



#81
 Benzo(a)anthracene
 Concen: 10.579 ng
 RT: 13.962 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF136518.D
 Acq: 12 Dec 2023 16:18

Tgt Ion:228 Resp: 132851
 Ion Ratio Lower Upper
 228 100
 226 25.7 21.8 32.8
 229 20.1 15.0 22.4





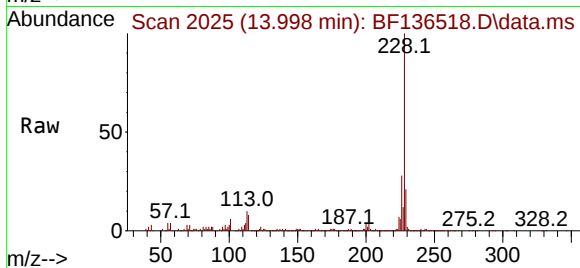
#83
Chrysene
Concen: 9.817 ng
RT: 13.998 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF136518.D
Acq: 12 Dec 2023 16:18

Instrument :

BNA_F

ClientSampleId :

RBR-251686

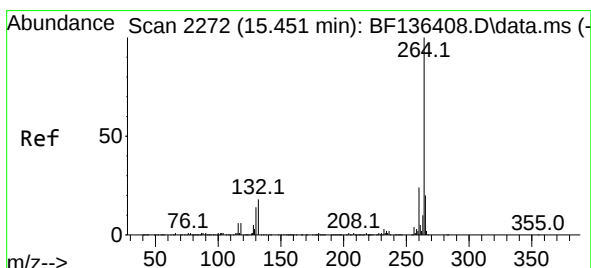
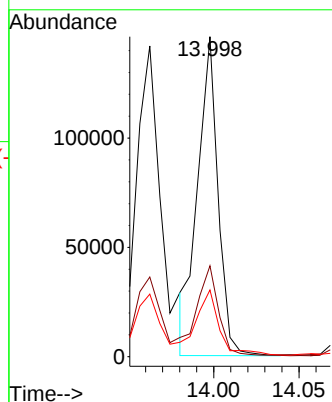
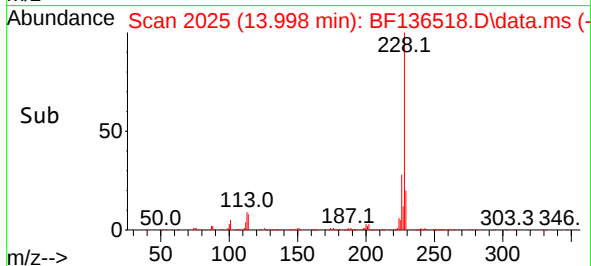


Tgt Ion:228 Resp: 121292
Ion Ratio Lower Upper
228 100
226 28.4 23.8 35.6
229 20.9 14.8 22.2

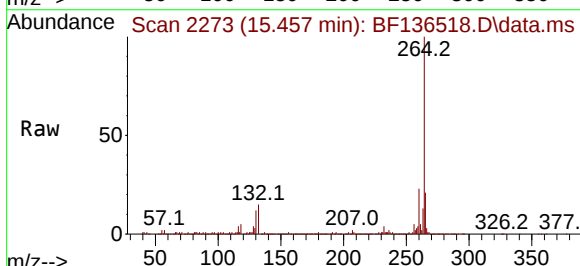
Manual Integrations

APPROVED

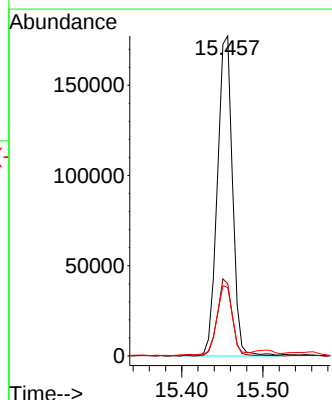
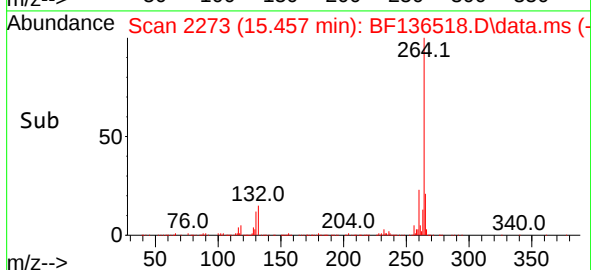
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

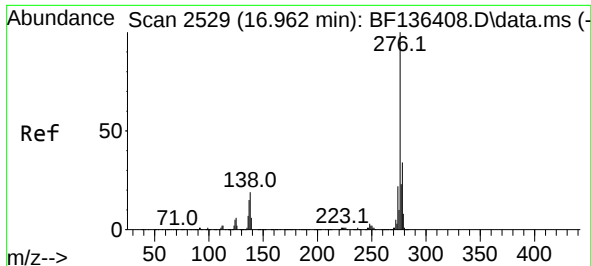


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.006 min
Lab File: BF136518.D
Acq: 12 Dec 2023 16:18



Tgt Ion:264 Resp: 230257
Ion Ratio Lower Upper
264 100
260 22.6 19.2 28.8
265 21.4 15.9 23.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.623 ng
RT: 16.945 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BF136518.D
Acq: 12 Dec 2023 16:18

Instrument :

BNA_F

ClientSampleId :

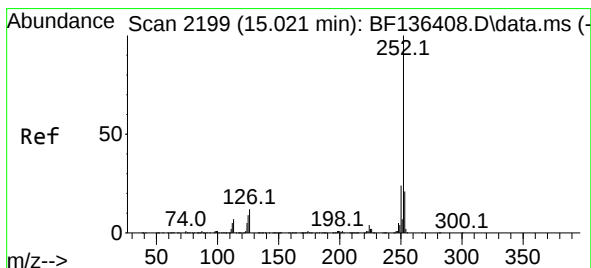
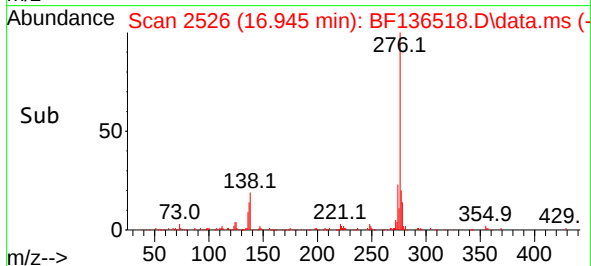
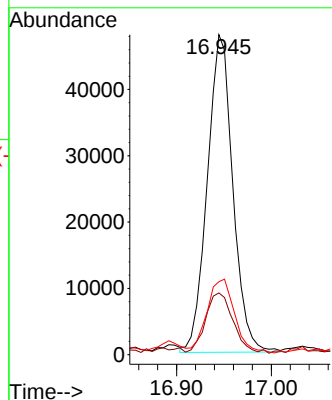
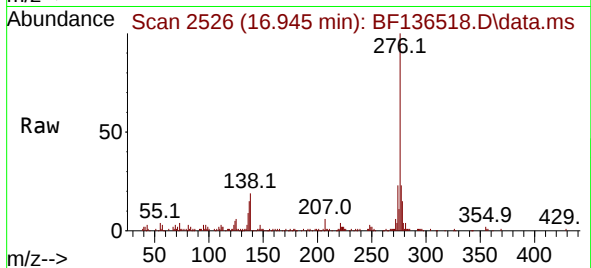
RBR-251686

Tgt Ion:276 Resp: 89944
Ion Ratio Lower Upper
276 100
138 20.6 19.0 28.4
277 25.2 20.0 30.0

Manual Integrations

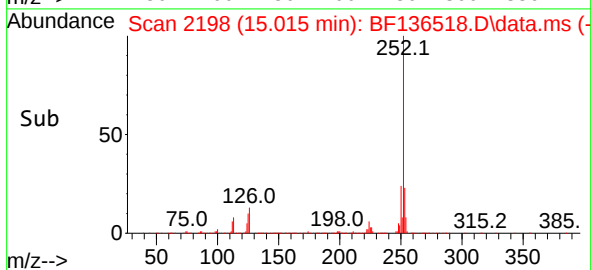
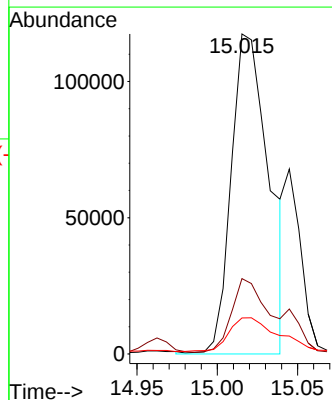
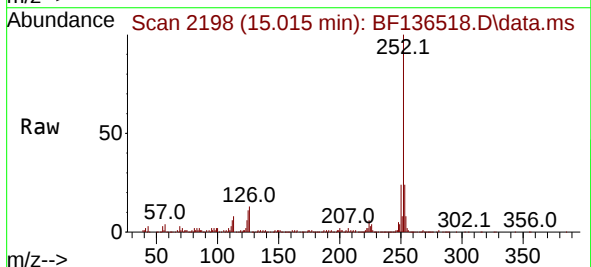
APPROVED

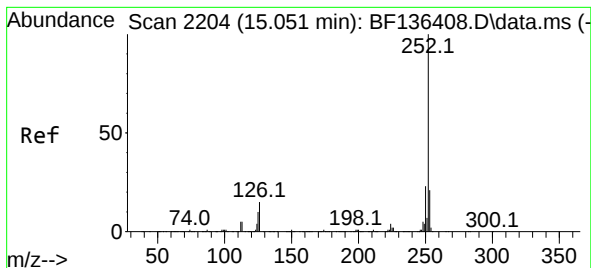
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#88
Benzo(b)fluoranthene
Concen: 12.162 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF136518.D
Acq: 12 Dec 2023 16:18

Tgt Ion:252 Resp: 191466
Ion Ratio Lower Upper
252 100
253 23.6 16.9 25.3
125 11.2 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 3.246 ng m

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136518.D

Acq: 12 Dec 2023 16:18

Instrument :

BNA_F

ClientSampleId :

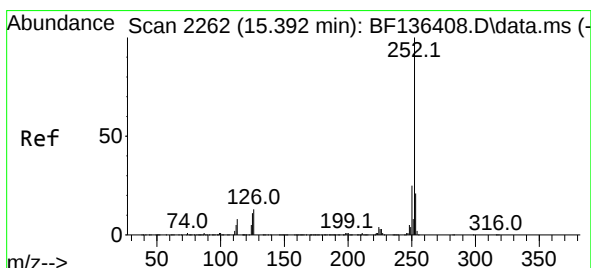
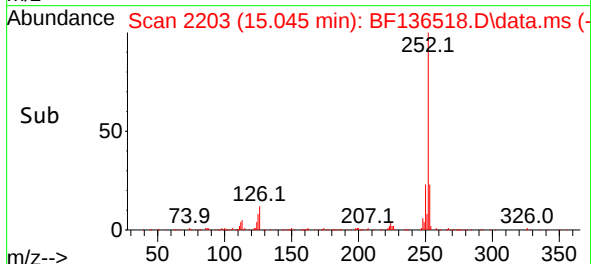
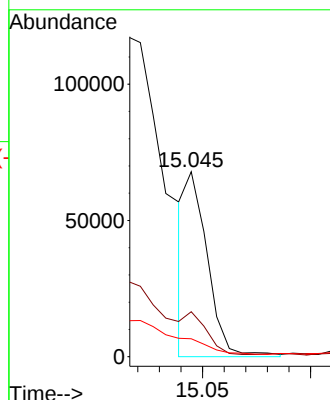
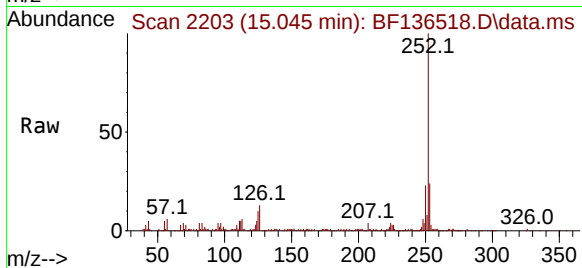
RBR-251686

Tgt Ion:252 Resp: 4815
 Ion Ratio Lower Upper
 252 100
 253 24.3 16.9 25.3
 125 9.7 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023



#90

Benzo(a)pyrene

Concen: 10.624 ng

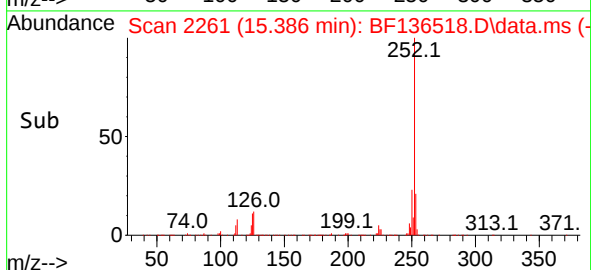
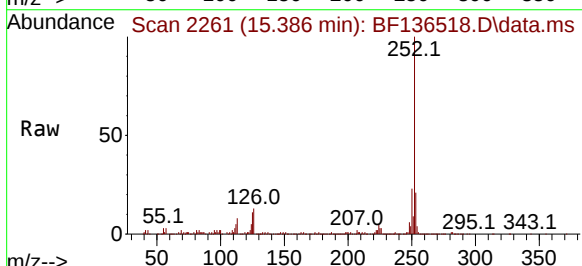
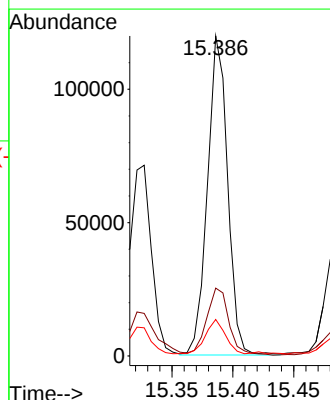
RT: 15.386 min Scan# 2261

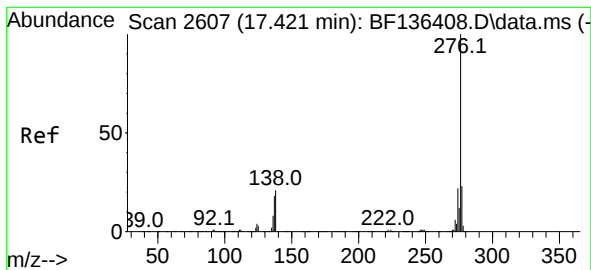
Delta R.T. -0.006 min

Lab File: BF136518.D

Acq: 12 Dec 2023 16:18

Tgt Ion:252 Resp: 138125
 Ion Ratio Lower Upper
 252 100
 253 21.2 17.0 25.4
 125 11.4 8.6 13.0





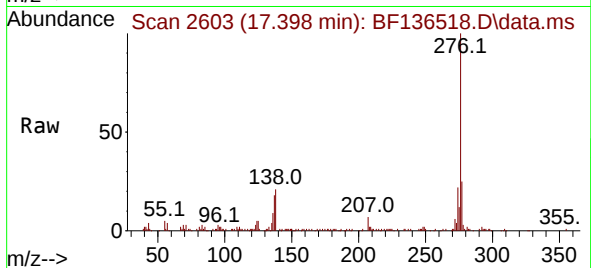
#92
 Benzo(g,h,i)perylene
 Concen: 6.288 ng
 RT: 17.398 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF136518.D
 Acq: 12 Dec 2023 16:18

Instrument :

BNA_F

ClientSampleId :

RBR-251686



Tgt Ion:276 Resp: 84579
 Ion Ratio Lower Upper
 276 100
 277 24.6 18.7 28.1
 138 20.5 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023

