

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
 Data File : BF136522.D
 Acq On : 12 Dec 2023 18:25
 Operator : CG\JU
 Sample : 05466-01DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB21144DL

Manual Integrations
 APPROVED

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

Quant Time: Dec 12 23:19:15 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	79885	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	294988	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	141421	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	235092	20.000	ng	0.00
76) Chrysene-d12	13.974	240	191182	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	196150	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	109209	20.189	ng	0.00
7) Phenol-d6	6.434	99	132524	19.637	ng	-0.01
23) Nitrobenzene-d5	7.351	82	71633	13.128	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	27932	16.019	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	155379	14.992	ng	-0.02
79) Terphenyl-d14	12.916	244	152580	10.519	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	78118	6.045	ng	98
72) Anthracene	11.392	178	28718	2.207	ng	96
75) Fluoranthene	12.545	202	1270974	93.859	ng	98
78) Pyrene	12.774	202	995977	53.194	ng	98
81) Benzo(a)anthracene	13.963	228	224182	16.834	ng	97
83) Chrysene	14.004	228	312323	23.838	ng	97
88) Benzo(b)fluoranthene	15.021	252	168024m	12.529	ng	
89) Benzo(k)fluoranthene	15.045	252	50787m	4.018	ng	
90) Benzo(a)pyrene	15.392	252	61593	5.561	ng	97

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

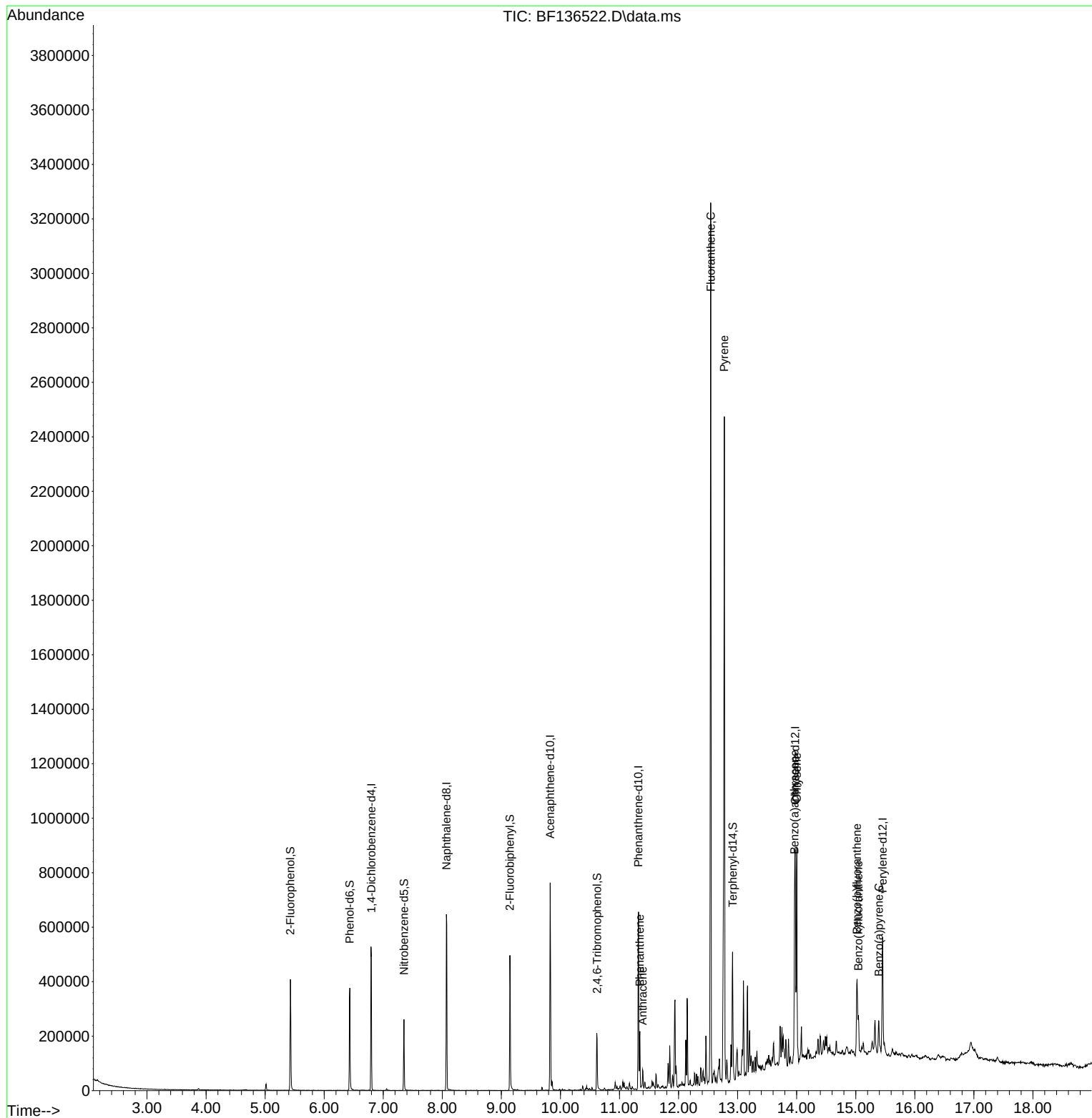
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
Data File : BF136522.D
Acq On : 12 Dec 2023 18:25
Operator : CG\JU
Sample : 05466-01DL 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

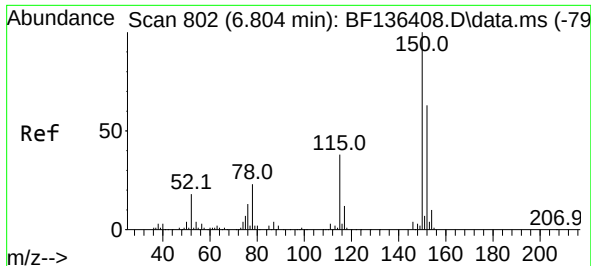
Instrument :
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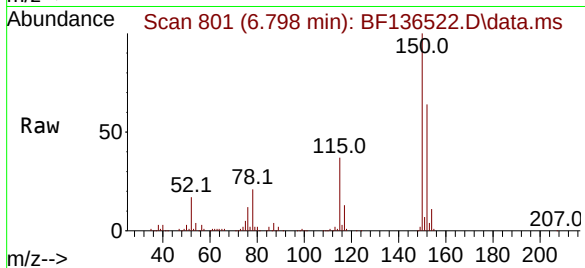
Quant Time: Dec 12 23:19:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 09:40:27 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

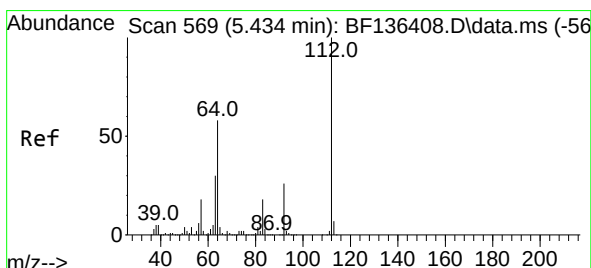
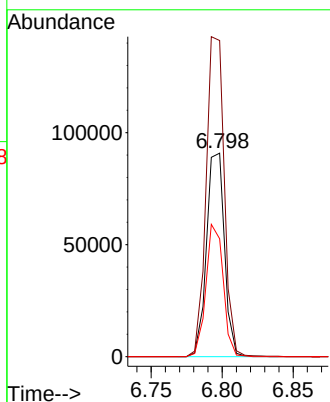
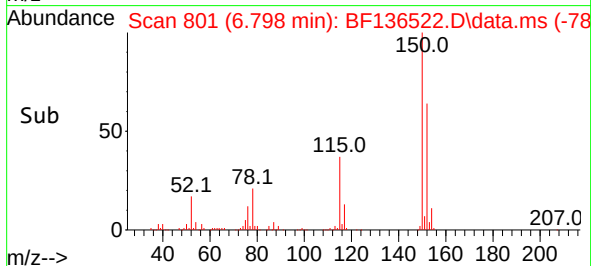
Instrument :
BNA_F
ClientSampleId :
RB21144DL



Tgt Ion:152 Resp: 7988
Ion Ratio Lower Upper
152 100
150 155.3 126.4 189.6
115 57.9 48.2 72.4

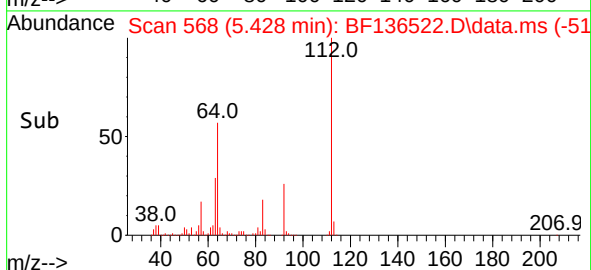
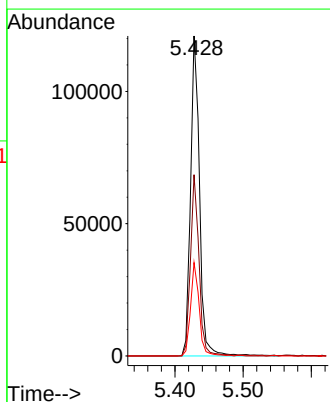
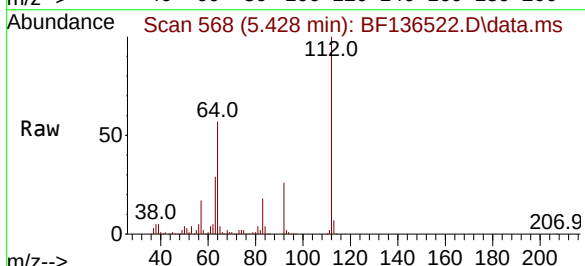
Manual Integrations
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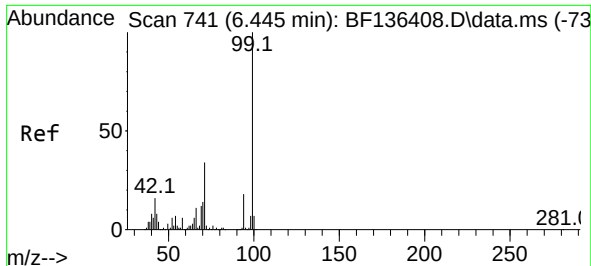
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#5
2-Fluorophenol
Concen: 20.189 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.006 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

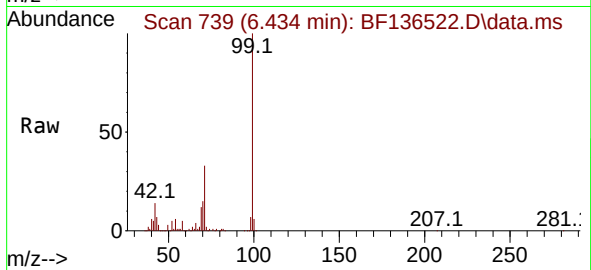
Tgt Ion:112 Resp: 109209
Ion Ratio Lower Upper
112 100
64 56.6 46.5 69.7
63 29.2 23.9 35.9





#7
Phenol-d6
Concen: 19.637 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

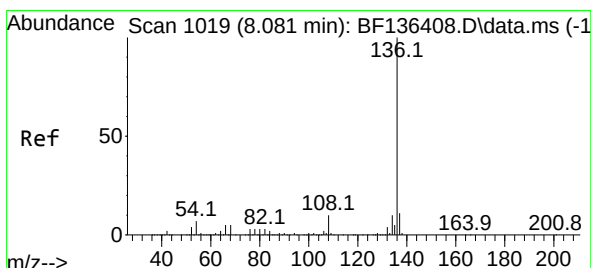
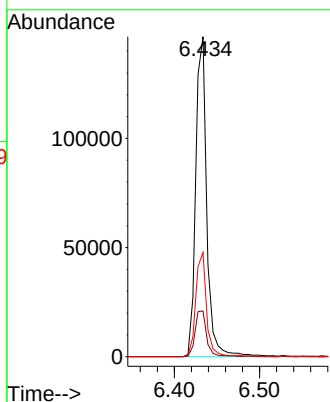
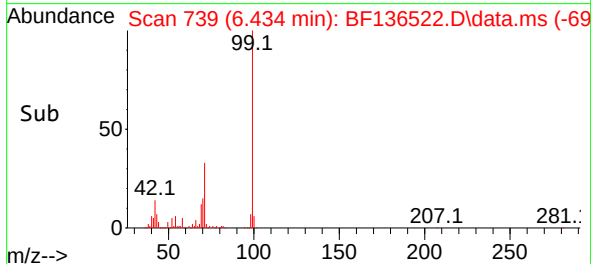
Instrument :
BNA_F
ClientSampleId :
RB21144DL



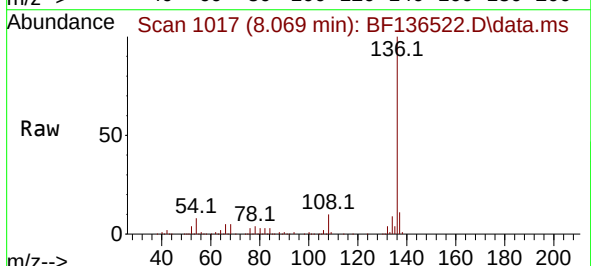
Tgt Ion: 99 Resp: 132524
Ion Ratio Lower Upper
99 100
42 14.3 12.8 19.2
71 32.5 27.0 40.4

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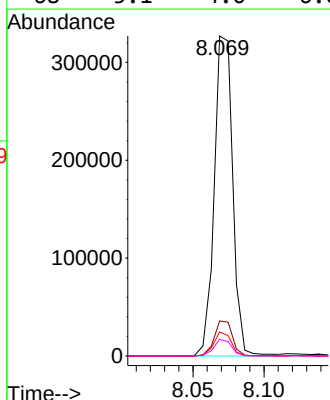
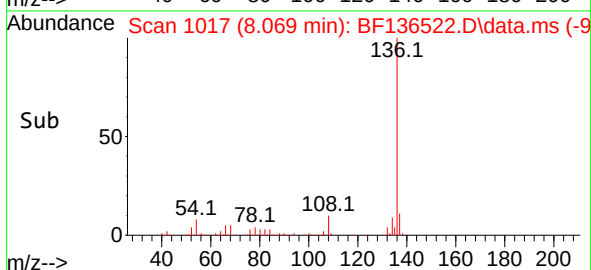
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

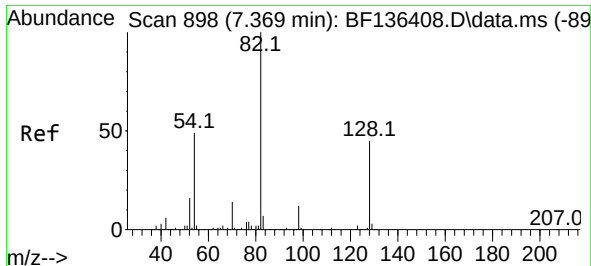


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25



Tgt Ion:136 Resp: 294988
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.5 5.7 8.5
68 5.1 4.0 6.0





#23

Nitrobenzene-d5

Concen: 13.128 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF136522.D

Acq: 12 Dec 2023 18:25

Instrument :

BNA_F

ClientSampleId :

RB21144DL

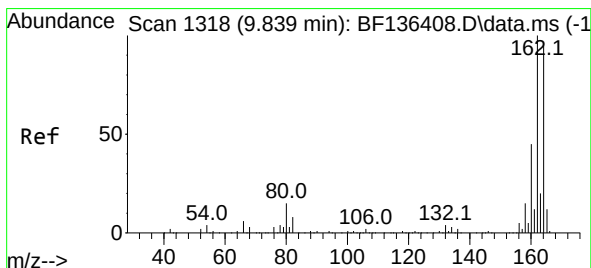
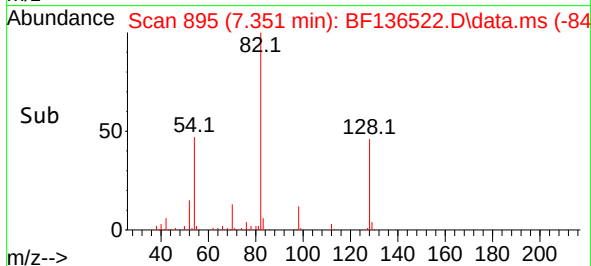
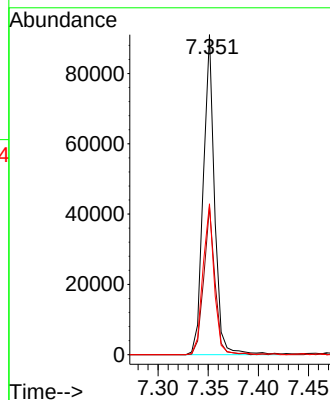
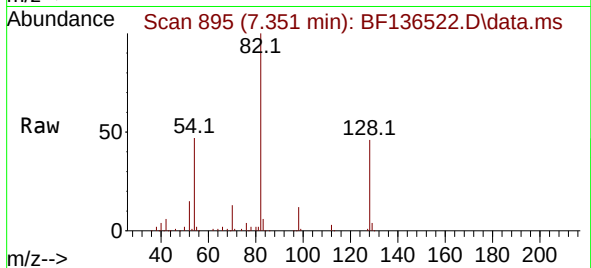
Tgt Ion: 82	Resp: 7163
Ion Ratio	Lower Upper
82	100
128	46.2 36.3 54.5
54	47.2 39.0 58.6

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Supervised By :mohammad ahmed 12/14/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

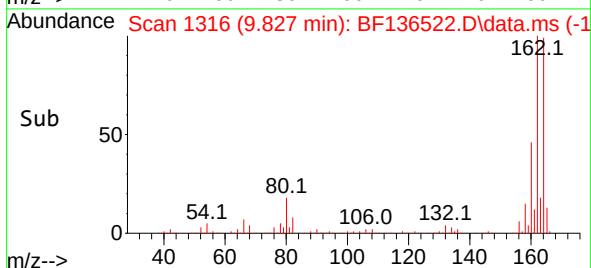
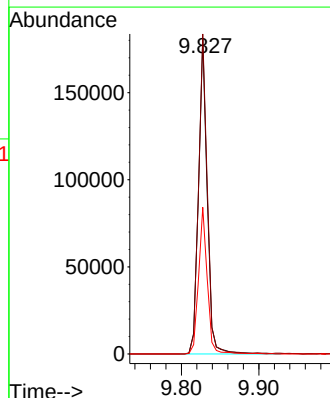
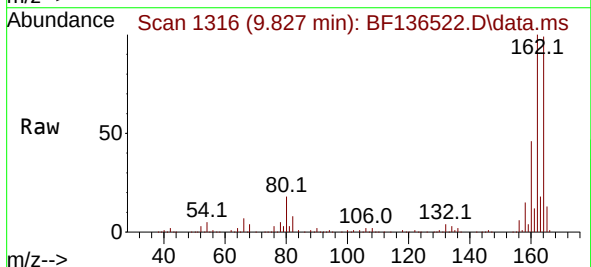
RT: 9.827 min Scan# 1316

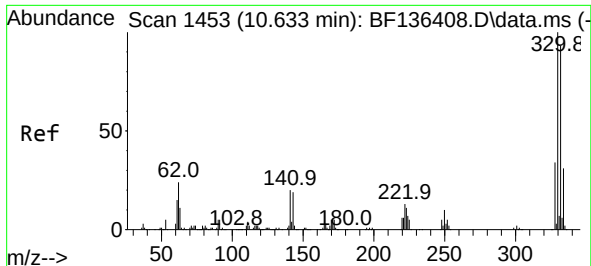
Delta R.T. -0.012 min

Lab File: BF136522.D

Acq: 12 Dec 2023 18:25

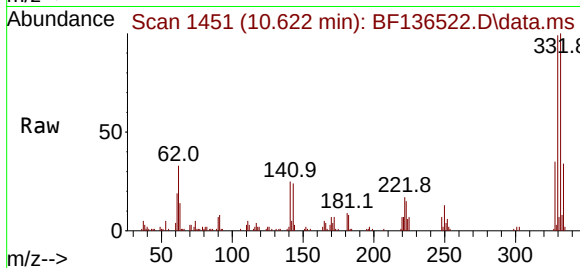
Tgt Ion:164	Resp: 141421
Ion Ratio	Lower Upper
164	100
162	101.4 84.4 126.6
160	46.5 37.6 56.4





#42
2,4,6-Tribromophenol
Concen: 16.019 ng
RT: 10.622 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

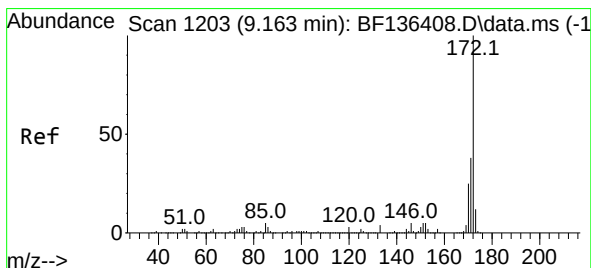
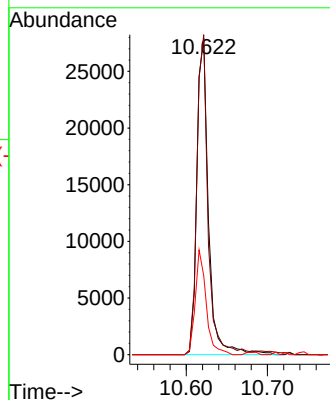
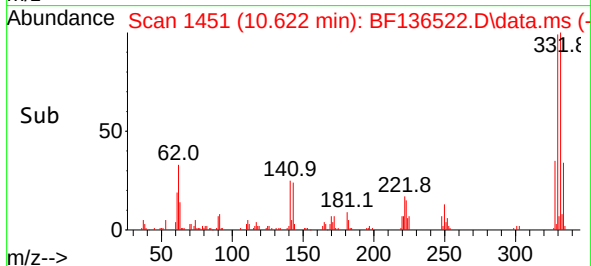
Instrument :
BNA_F
ClientSampleId :
RB21144DL



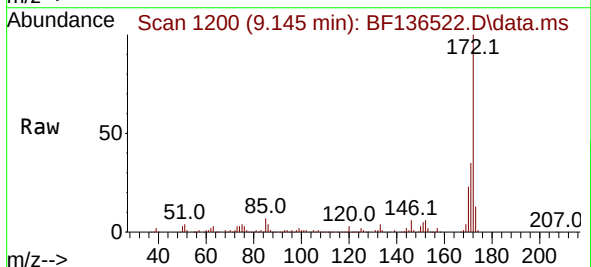
Tgt Ion:330 Resp: 27932
Ion Ratio Lower Upper
330 100
332 97.0 76.4 114.6
141 31.1 23.4 35.2

Manual Integrations
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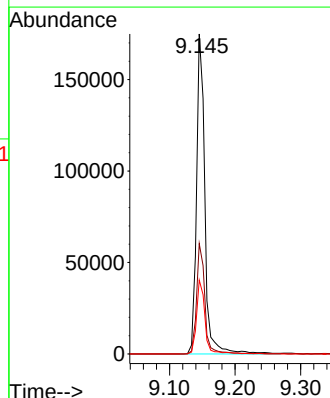
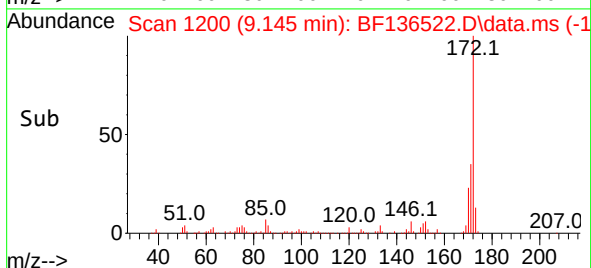
Reviewed By :Yogesh Patel 12/14/2023
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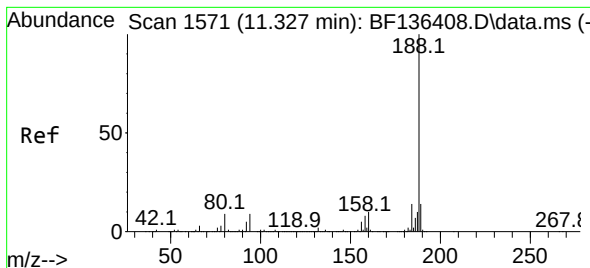


#45
2-Fluorobiphenyl
Concen: 14.992 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25



Tgt Ion:172 Resp: 155379
Ion Ratio Lower Upper
172 100
171 34.5 30.5 45.7
170 23.1 19.9 29.9





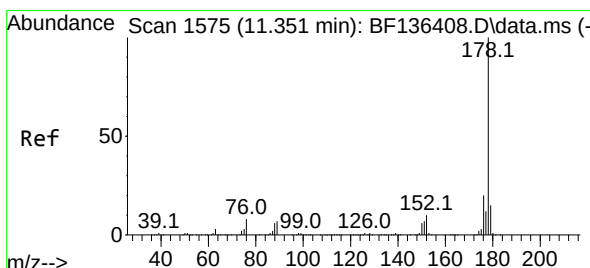
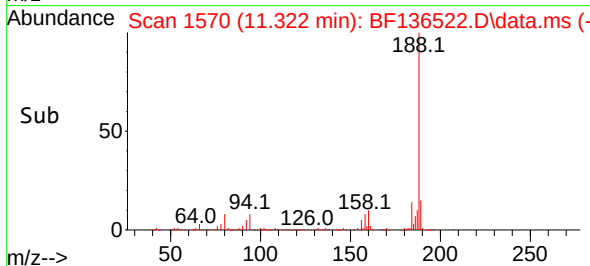
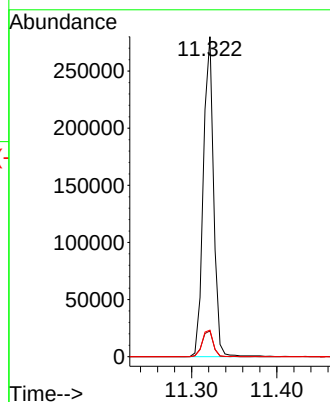
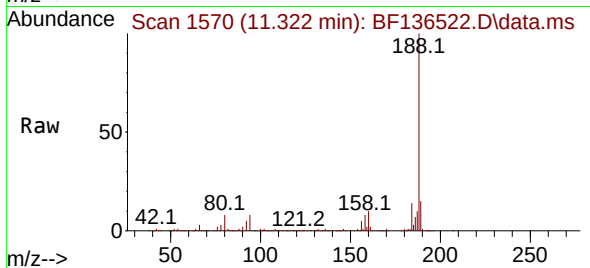
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

Instrument :
BNA_F
ClientSampleId :
RB21144DL

Tgt Ion:188 Resp: 235092
Ion Ratio Lower Upper
188 100
94 8.1 7.2 10.8
80 8.3 7.2 10.8

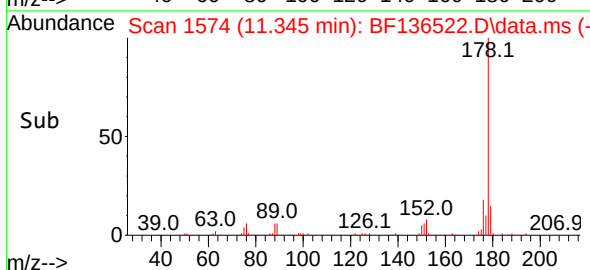
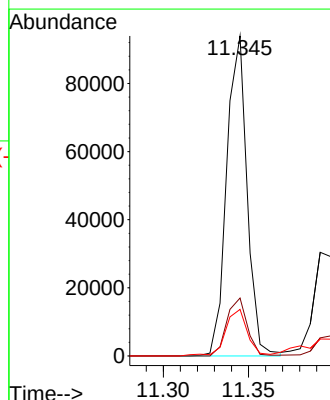
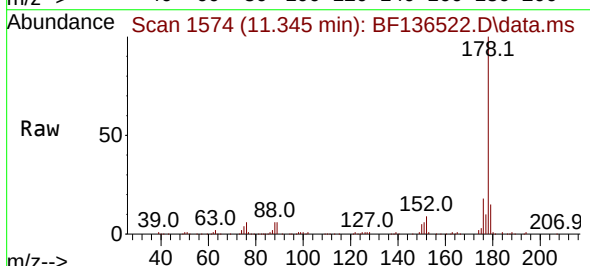
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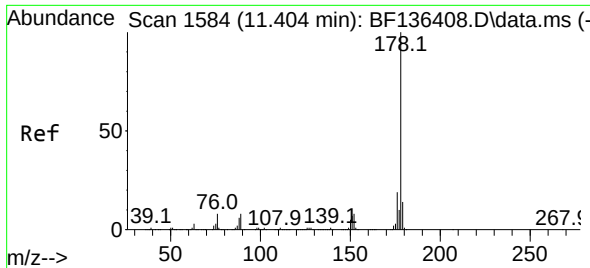
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#71
Phenanthrene
Concen: 6.045 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

Tgt Ion:178 Resp: 78118
Ion Ratio Lower Upper
178 100
176 18.1 15.9 23.9
179 14.6 11.8 17.6





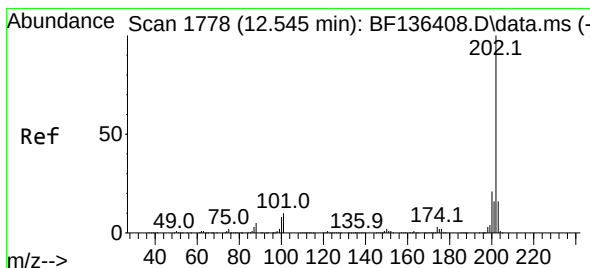
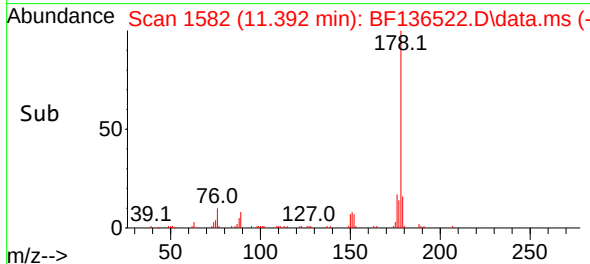
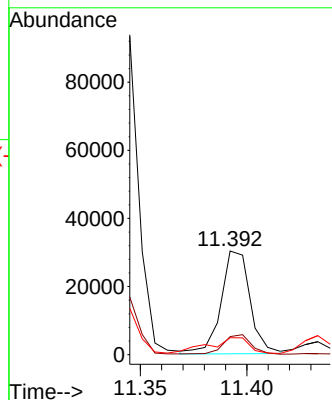
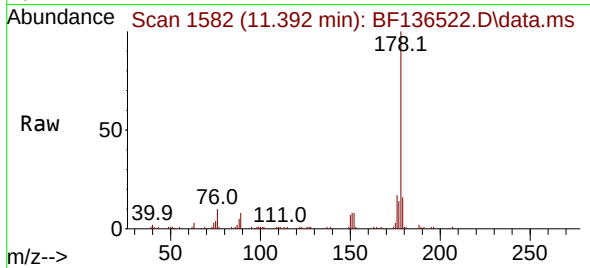
#72
 Anthracene
 Concen: 2.207 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136522.D
 Acq: 12 Dec 2023 18:25

Instrument :
 BNA_F
 ClientSampleId :
 RB21144DL

Tgt Ion:178 Resp: 28718
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.3 22.9
 179 16.4 11.4 17.0

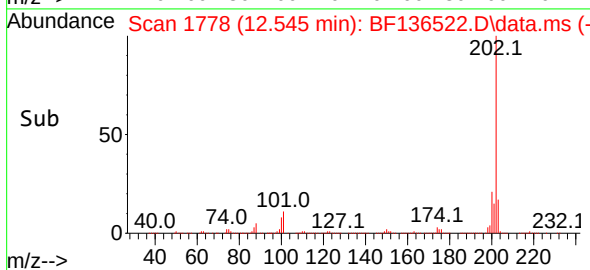
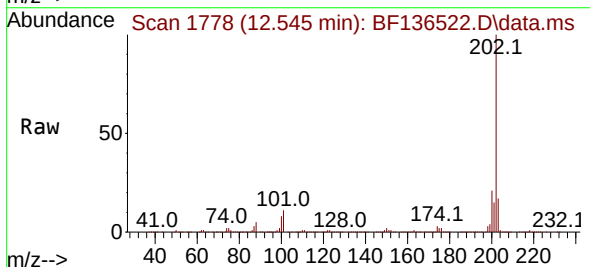
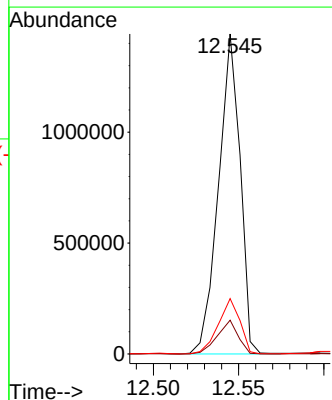
Manual Integrations
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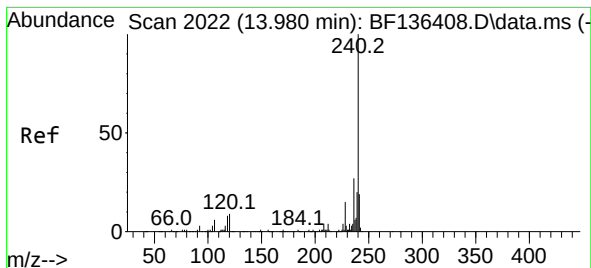
Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023



#75
 Fluoranthene
 Concen: 93.859 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. -0.000 min
 Lab File: BF136522.D
 Acq: 12 Dec 2023 18:25

Tgt Ion:202 Resp: 1270974
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 29.9
 203 17.3 0.0 36.3





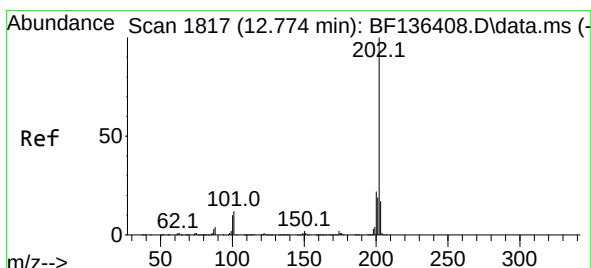
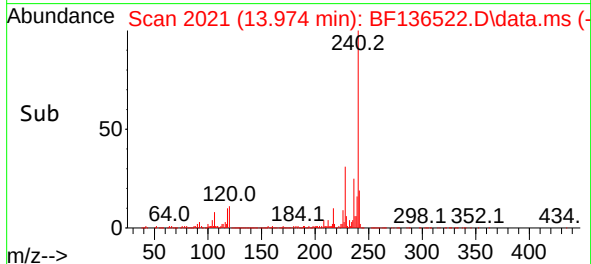
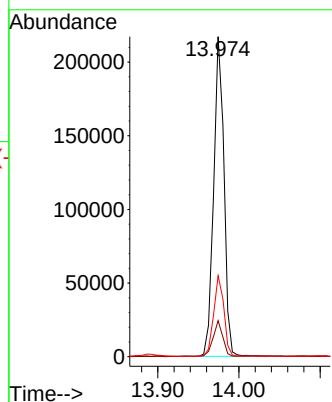
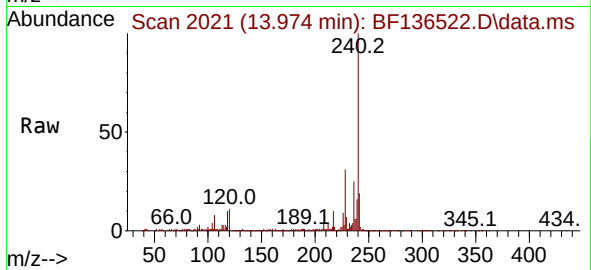
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

Instrument :
BNA_F
ClientSampleId :
RB21144DL

Tgt Ion:240 Resp: 19118
Ion Ratio Lower Upper
240 100
120 11.3 7.3 10.9
236 25.3 21.3 31.9

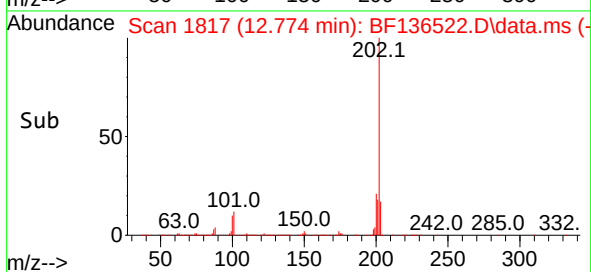
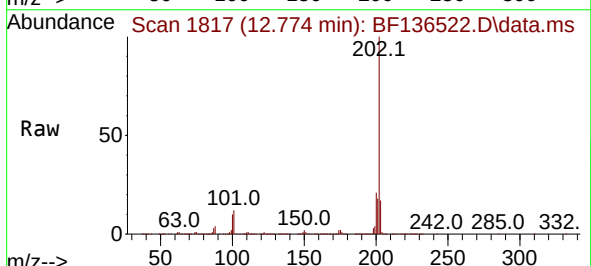
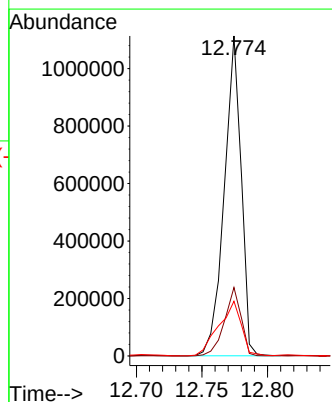
Manual Integrations
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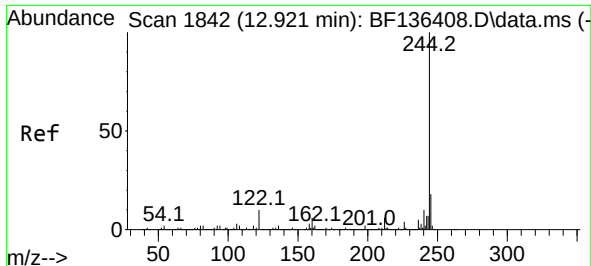
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#78
Pyrene
Concen: 53.194 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.000 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

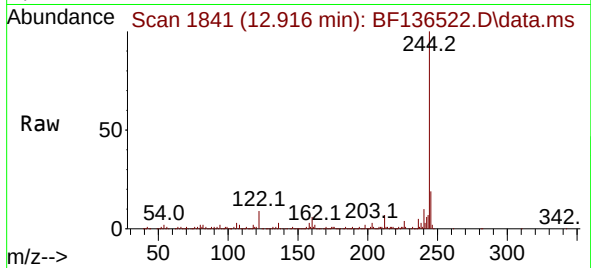
Tgt Ion:202 Resp: 995977
Ion Ratio Lower Upper
202 100
200 21.4 18.0 27.0
203 17.1 13.5 20.3





#79
Terphenyl-d14
Concen: 10.519 ng
RT: 12.916 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

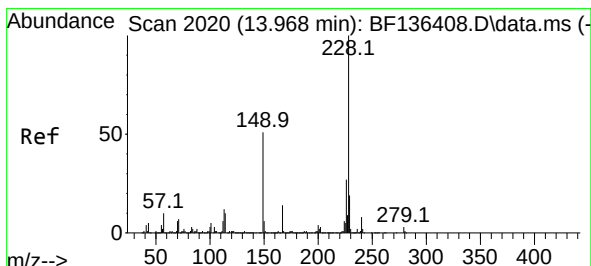
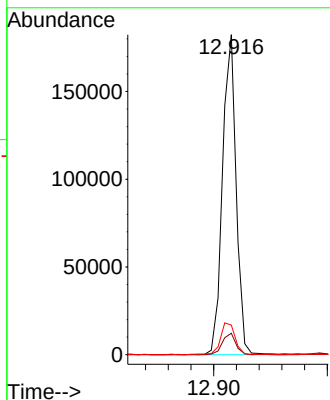
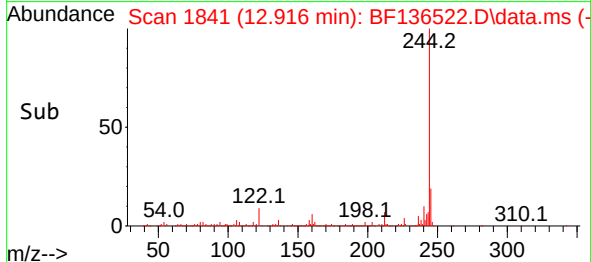
Instrument :
BNA_F
ClientSampleId :
RB21144DL



Tgt Ion:244 Resp: 152580
Ion Ratio Lower Upper
244 100
212 6.7 5.0 7.4
122 9.3 8.3 12.5

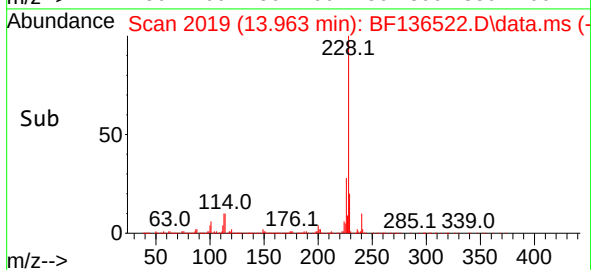
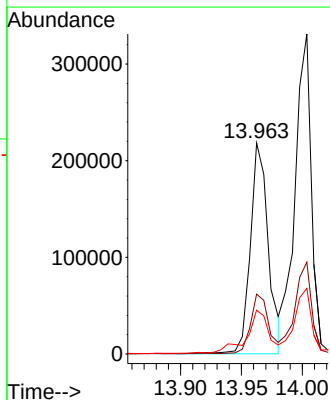
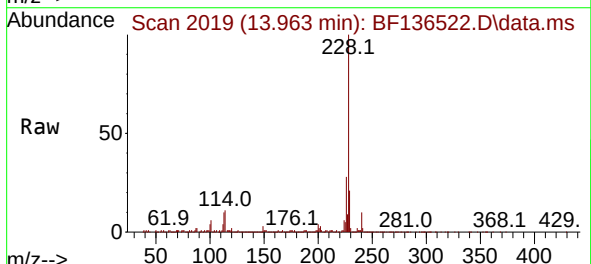
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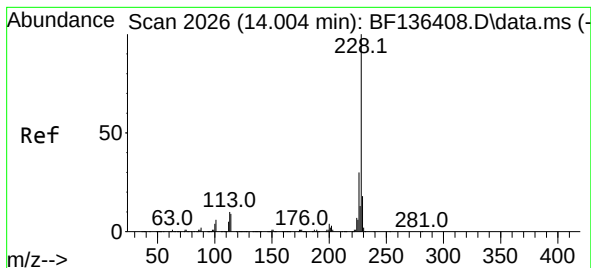
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#81
Benzo(a)anthracene
Concen: 16.834 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

Tgt Ion:228 Resp: 224182
Ion Ratio Lower Upper
228 100
226 28.3 21.8 32.8
229 20.8 15.0 22.4





#83

Chrysene

Concen: 23.838 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF136522.D

Acq: 12 Dec 2023 18:25

Instrument :

BNA_F

ClientSampleId :

RB21144DL

Tgt Ion:228 Resp: 31232

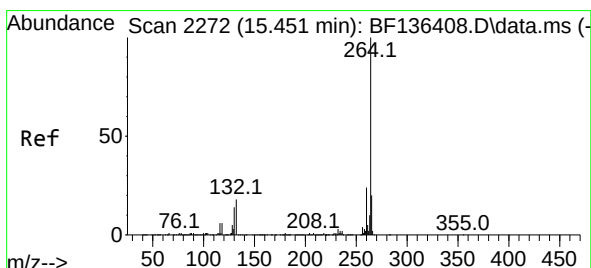
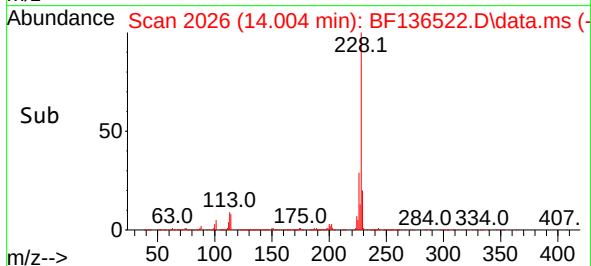
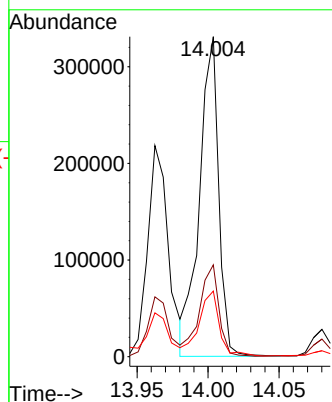
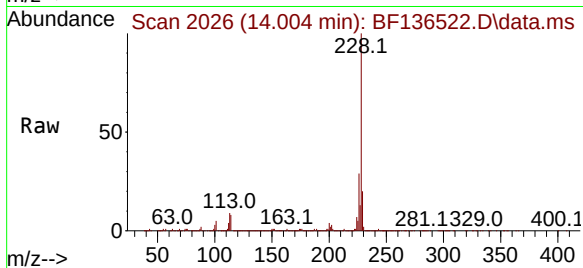
Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.8	35.6
229	20.5	14.8	22.2

Manual Integrations

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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

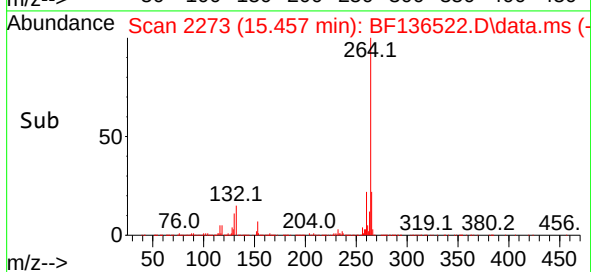
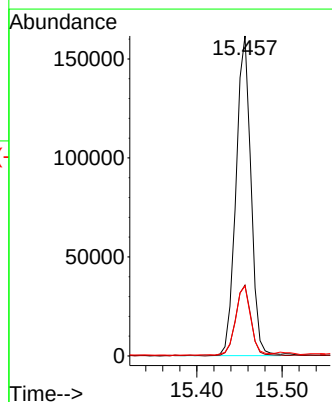
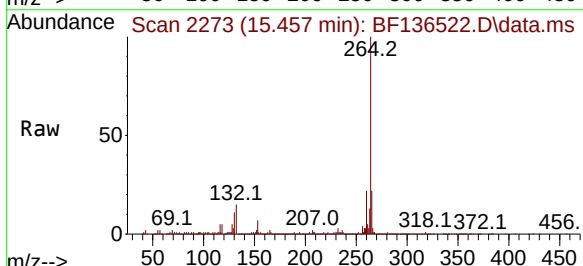
Delta R.T. 0.006 min

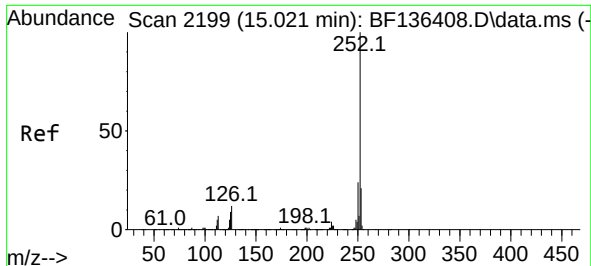
Lab File: BF136522.D

Acq: 12 Dec 2023 18:25

Tgt Ion:264 Resp: 196150

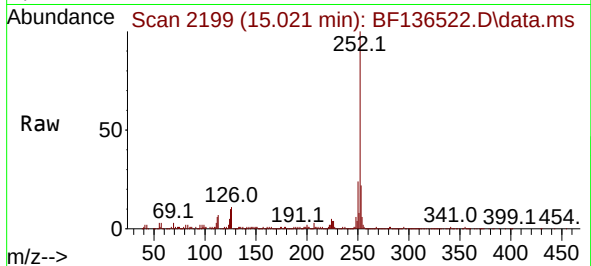
Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.2	28.8
265	21.8	15.9	23.9





#88
Benzo(b)fluoranthene
Concen: 12.529 ng m
RT: 15.021 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

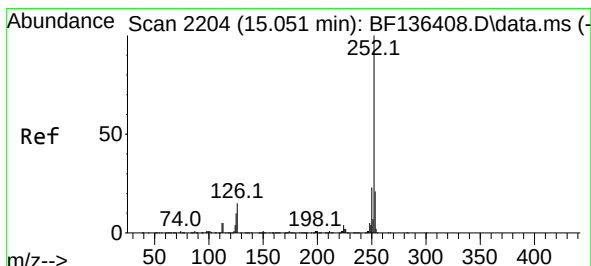
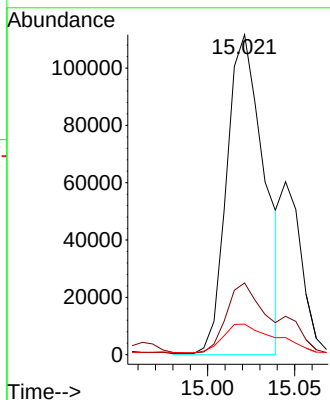
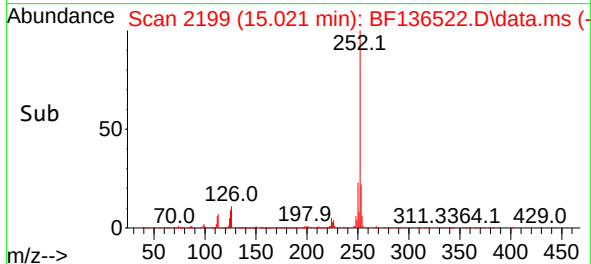
Instrument :
BNA_F
ClientSampleId :
RB21144DL



Tgt Ion:252 Resp: 168024
Ion Ratio Lower Upper
252 100
253 22.4 16.9 25.3
125 9.6 7.4 11.2

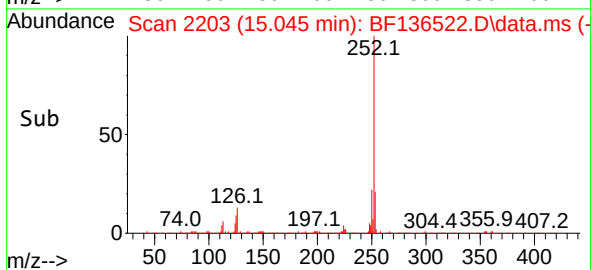
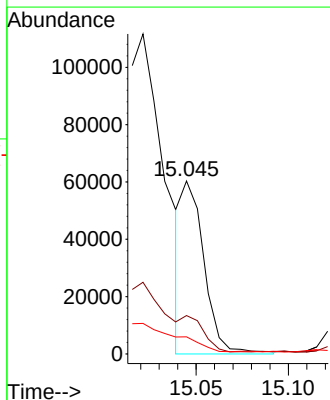
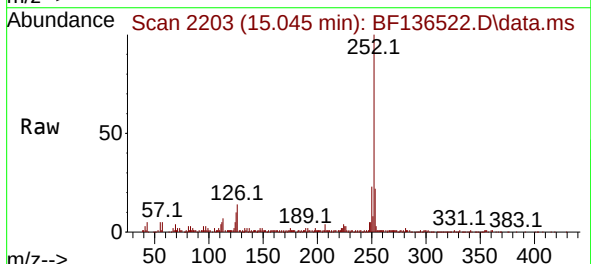
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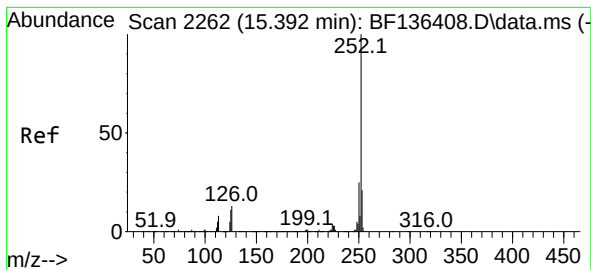
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#89
Benzo(k)fluoranthene
Concen: 4.018 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

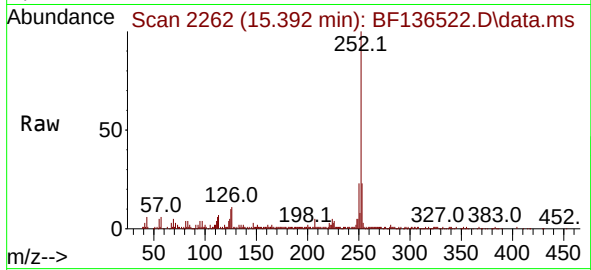
Tgt Ion:252 Resp: 50787
Ion Ratio Lower Upper
252 100
253 22.2 16.9 25.3
125 9.9 7.5 11.3





#90
Benzo(a)pyrene
Concen: 5.561 ng
RT: 15.392 min Scan# 2262
Delta R.T. -0.000 min
Lab File: BF136522.D
Acq: 12 Dec 2023 18:25

Instrument :
BNA_F
ClientSampleId :
RB21144DL



Tgt Ion:252 Resp: 61593
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.4
125 9.9 8.6 13.0

Manual Integrations
APPROVED

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

