

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
 Data File : BF134968.D
 Acq On : 28 Aug 2023 14:56
 Operator : CG\JU
 Sample : 04113-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-2-082323

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :mohammad ahmed 08/29/2023

Quant Time: Aug 29 03:49:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 02:45:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	139896	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	545601	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	257748	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	411927	20.000	ng	0.00
76) Chrysene-d12	13.980	240	305626	20.000	ng	0.00
86) Perylene-d12	15.463	264	243055	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	264997	30.207	ng	-0.01
7) Phenol-d6	6.422	99	330348	29.469	ng	-0.02
23) Nitrobenzene-d5	7.345	82	198342	20.032	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	76172	25.093	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	378788	22.719	ng	-0.01
79) Terphenyl-d14	12.916	244	364894	16.421	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.686	152	88175	3.768	ng	99
52) Acenaphthene	9.857	154	30476	2.067	ng	97
58) Fluorene	10.375	166	88547	5.439	ng	100
71) Phenanthrene	11.345	178	890298	41.245	ng	100
72) Anthracene	11.398	178	196388	8.880	ng	99
75) Fluoranthene	12.545	202	1040387	50.868	ng	100
78) Pyrene	12.775	202	1131825	34.928	ng	99
81) Benzo(a)anthracene	13.969	228	510169	24.466	ng	92
83) Chrysene	14.004	228	468148	22.754	ng	98
87) Indeno(1,2,3-cd)pyrene	16.957	276	150409	8.657	ng	95
88) Benzo(b)fluoranthene	15.027	252	419594m	30.598	ng	
89) Benzo(k)fluoranthene	15.051	252	142894m	10.612	ng	
90) Benzo(a)pyrene	15.398	252	296582	21.665	ng	97
91) Dibenzo(a,h)anthracene	16.962	278	39322	2.797	ng	# 71
92) Benzo(g,h,i)perylene	17.409	276	147958	10.282	ng	99

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

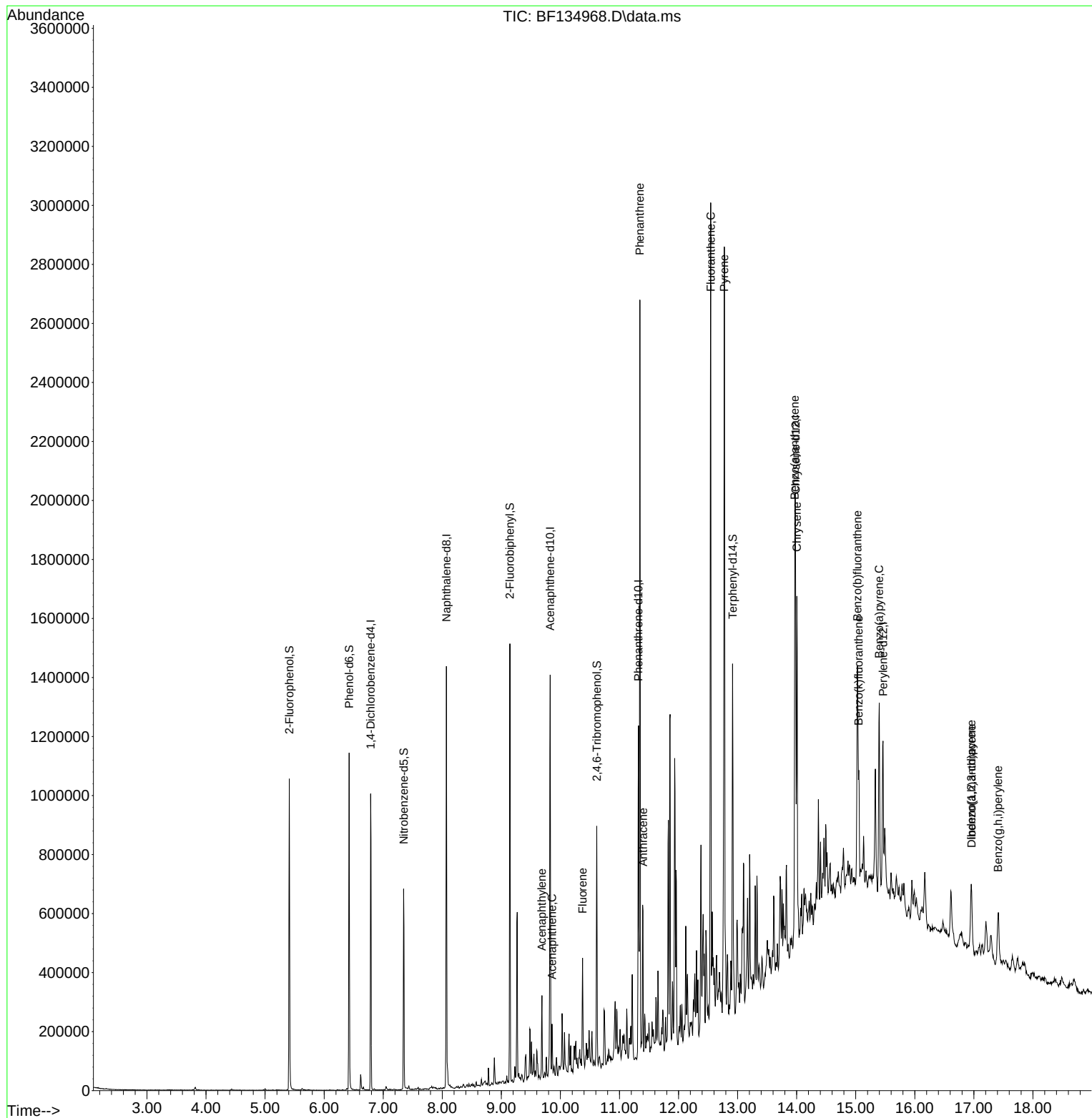
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
Data File : BF134968.D
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Misc :
ALS Vial : 13 Sample Multiplier: 1

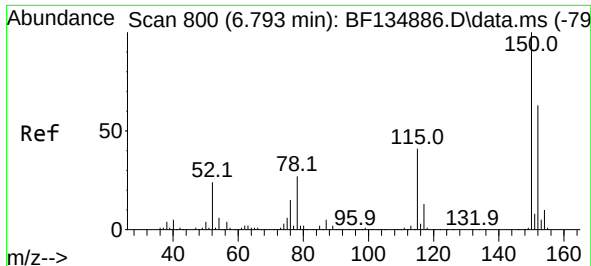
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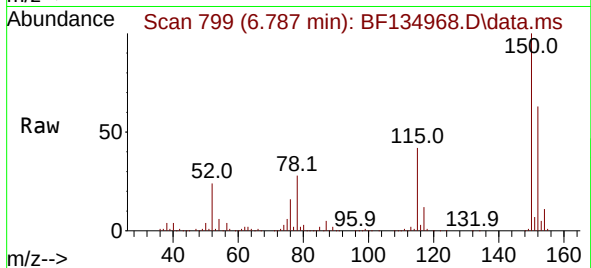
Quant Time: Aug 29 03:49:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 28 02:45:19 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

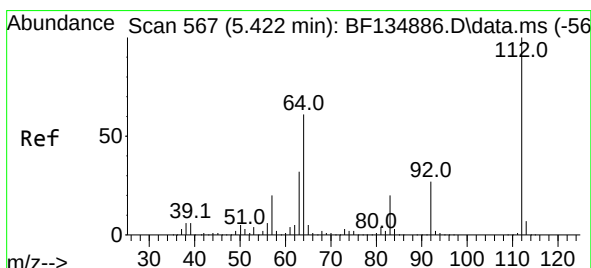
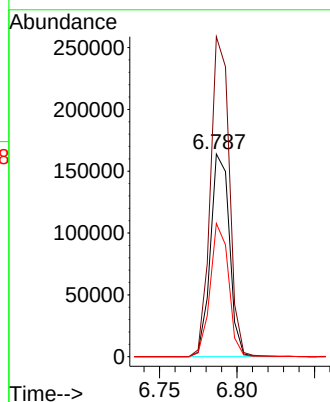
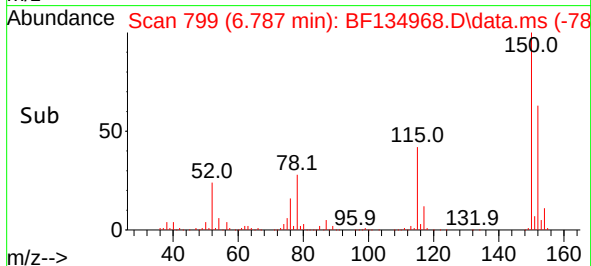
Instrument :
BNA_F
ClientSampleId :
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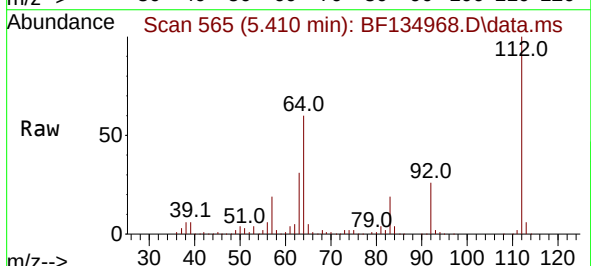
Tgt Ion:152 Resp: 139890
Ion Ratio Lower Upper
152 100
150 157.8 126.1 189.1
115 65.8 51.1 76.7

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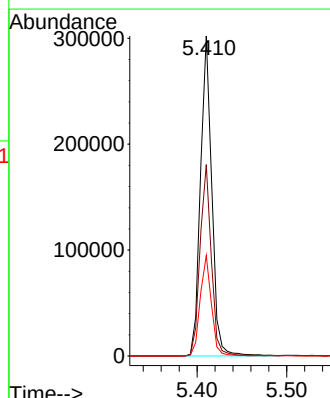
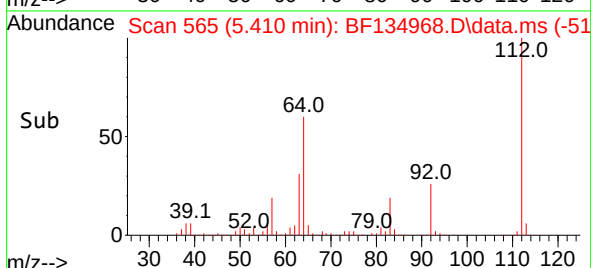
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

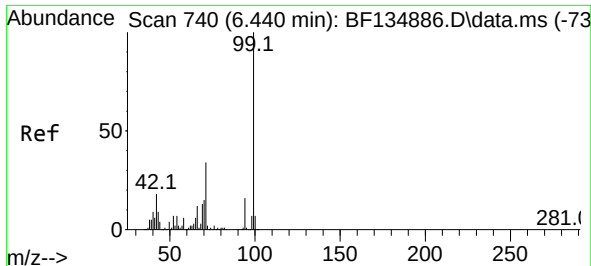


#5
2-Fluorophenol
Concen: 30.207 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56



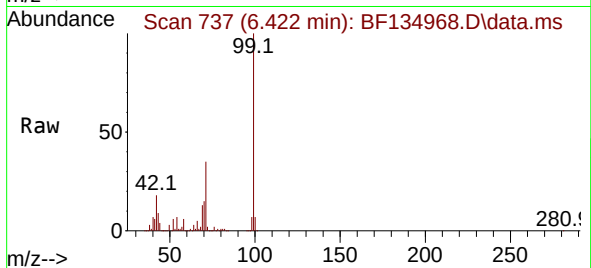
Tgt Ion:112 Resp: 264997
Ion Ratio Lower Upper
112 100
64 59.8 48.6 73.0
63 31.4 25.7 38.5





#7
Phenol-d6
Concen: 29.469 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

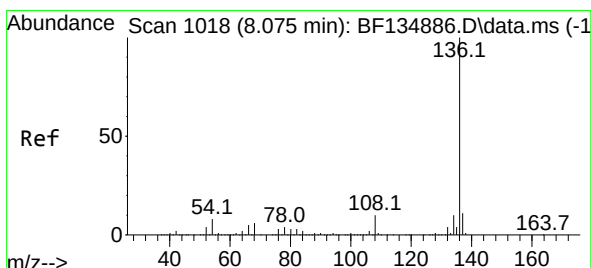
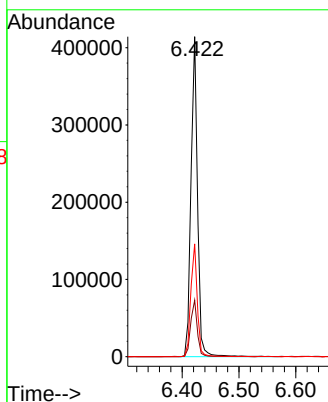
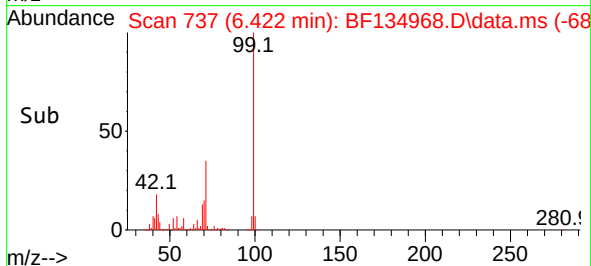
Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 330348
Ion Ratio Lower Upper
99 100
42 17.7 14.6 22.0
71 35.3 27.6 41.4

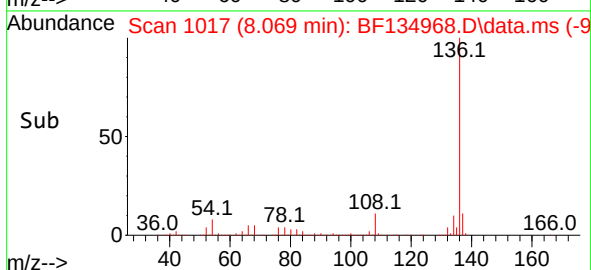
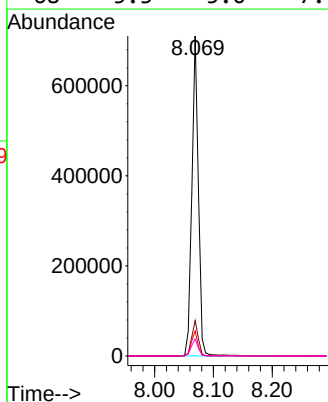
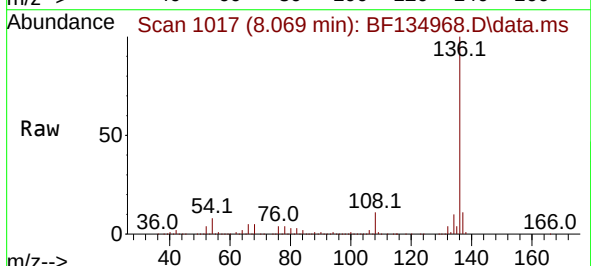
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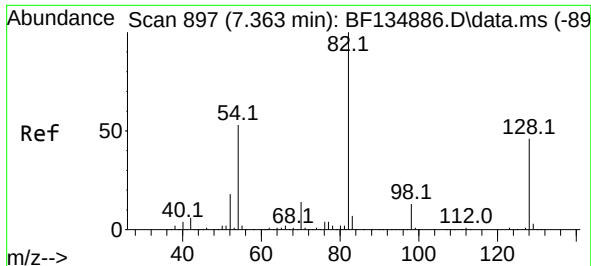
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

Tgt Ion:136 Resp: 545601
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.7 6.6 9.8
68 5.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 20.032 ng

RT: 7.345 min Scan# 897

Delta R.T. -0.018 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

Instrument :

BNA_F

ClientSampleId :

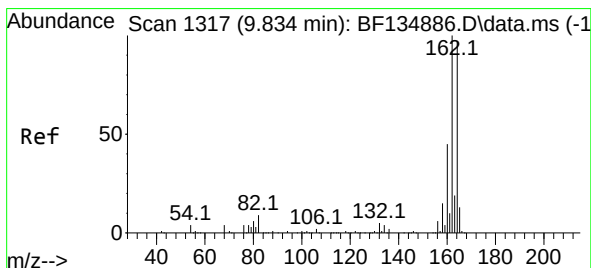
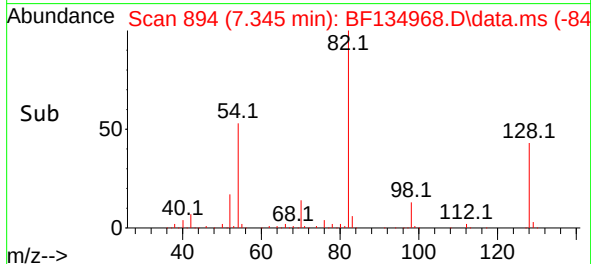
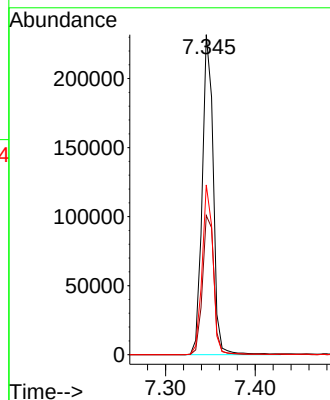
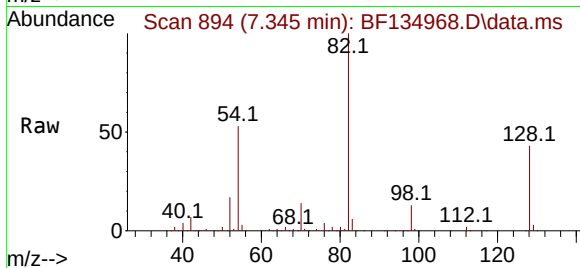
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Tgt Ion: 82 Resp: 198342
 Ion Ratio Lower Upper
 82 100
 128 43.5 36.6 54.8
 54 53.0 42.6 63.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

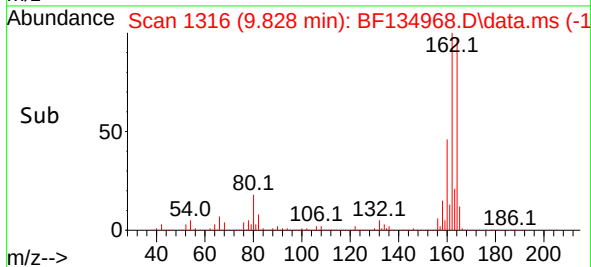
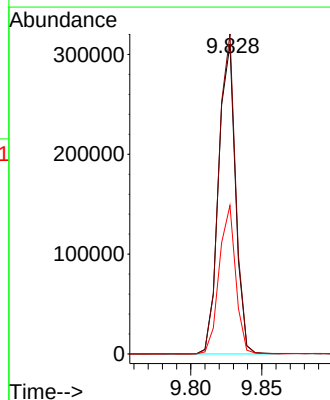
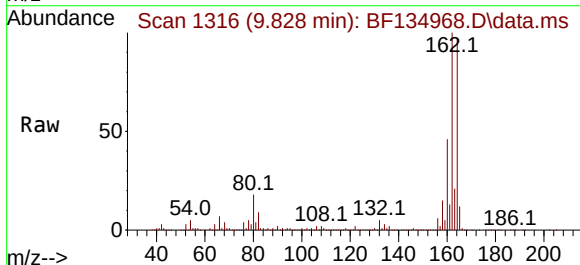
RT: 9.828 min Scan# 1316

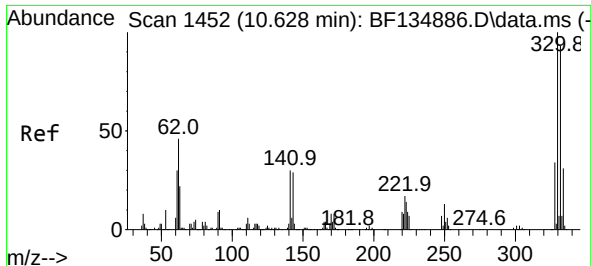
Delta R.T. -0.006 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

Tgt Ion:164 Resp: 257748
 Ion Ratio Lower Upper
 164 100
 162 103.3 82.6 123.8
 160 47.9 37.0 55.4





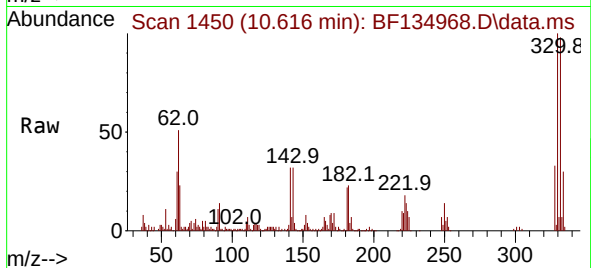
#42
2,4,6-Tribromophenol
Concen: 25.093 ng
RT: 10.616 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

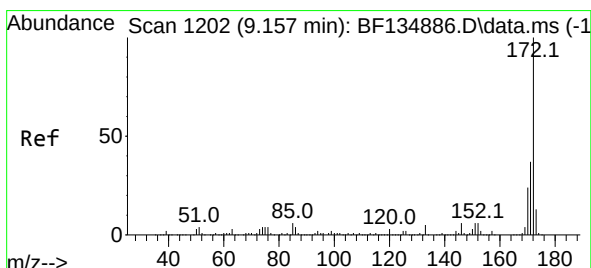
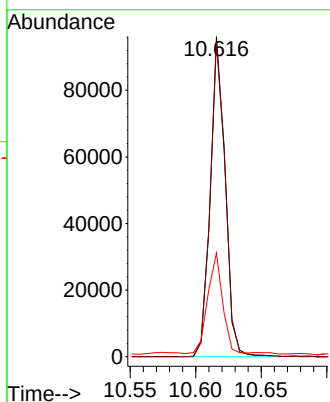
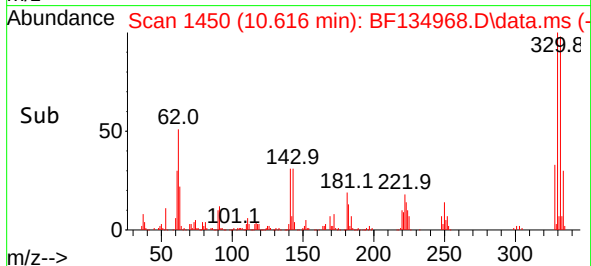


Tgt Ion:330 Resp: 76172
Ion Ratio Lower Upper
330 100
332 98.9 76.3 114.5
141 31.1 23.4 35.2

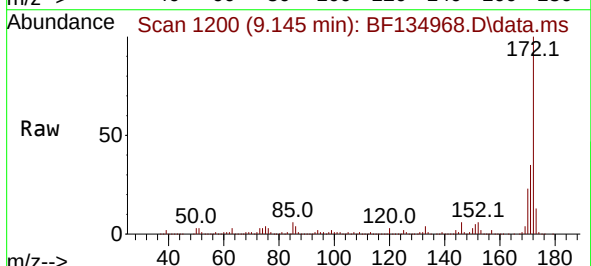
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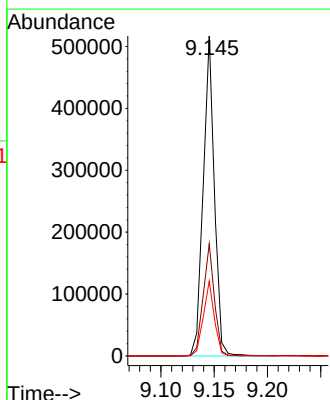
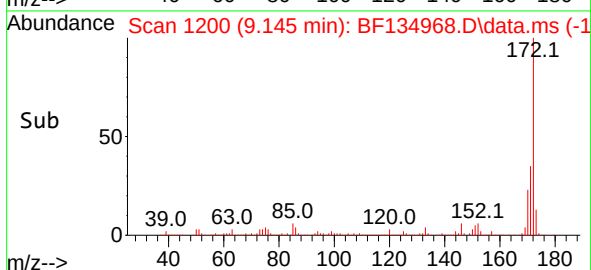
Reviewed By :Yogesh Patel 08/29/2023
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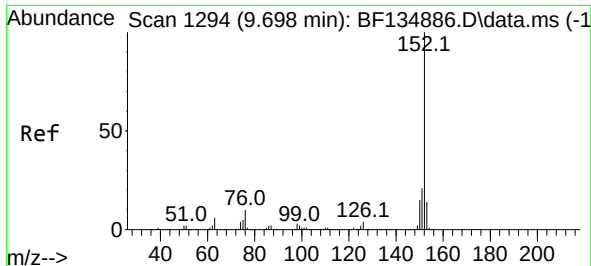


#45
2-Fluorobiphenyl
Concen: 22.719 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56



Tgt Ion:172 Resp: 378788
Ion Ratio Lower Upper
172 100
171 35.0 29.4 44.0
170 23.4 19.6 29.4





#49

Acenaphthylene

Concen: 3.768 ng

RT: 9.686 min Scan# 1292

Delta R.T. -0.012 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

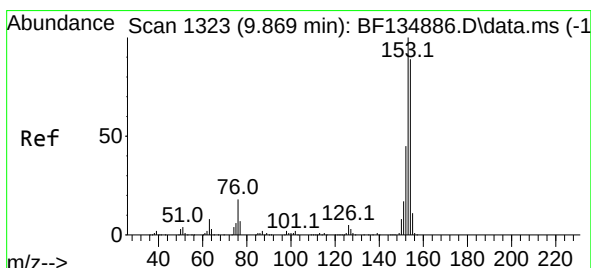
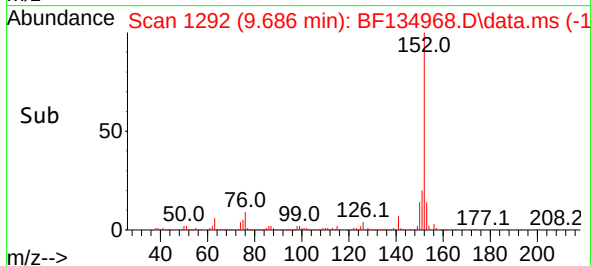
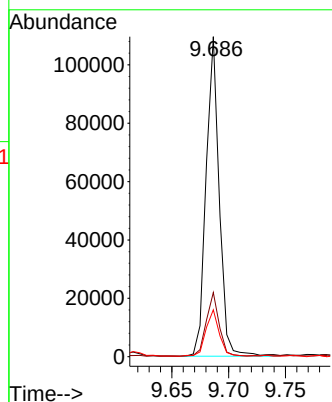
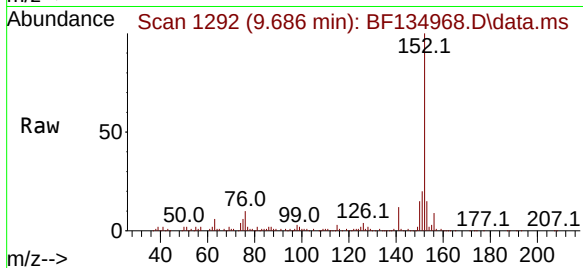
Tgt Ion:	152	Resp:	8817
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.5	24.7
153	14.6	11.3	16.9

Manual Integrations

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#52

Acenaphthene

Concen: 2.067 ng

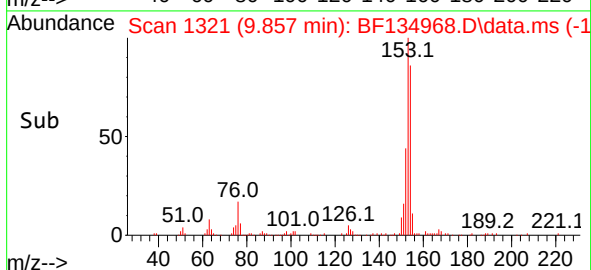
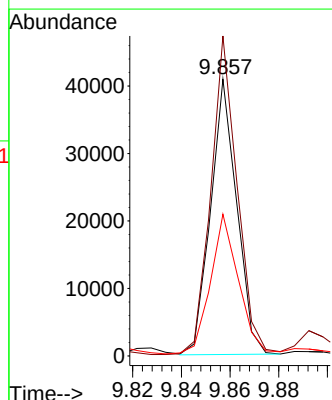
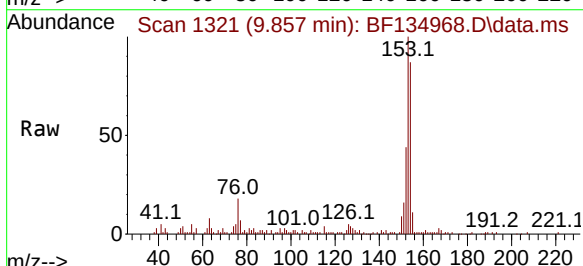
RT: 9.857 min Scan# 1321

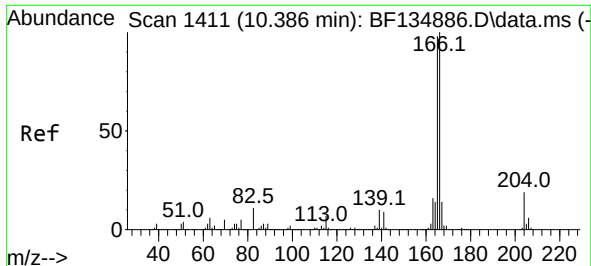
Delta R.T. -0.012 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

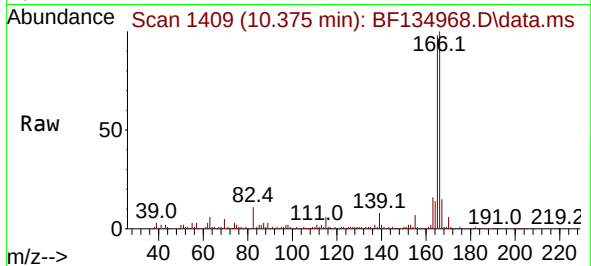
Tgt Ion:	154	Resp:	30476
Ion Ratio	Lower	Upper	
154	100		
153	115.6	89.6	134.4
152	51.2	40.5	60.7





#58
Fluorene
Concen: 5.439 ng
RT: 10.375 min Scan# 1411
Delta R.T. -0.011 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

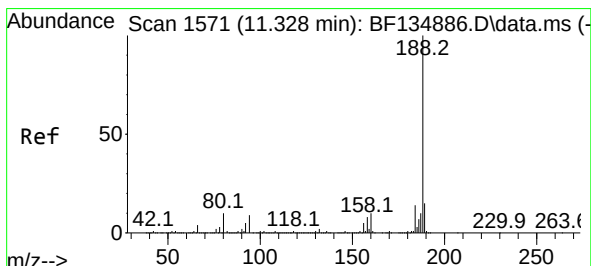
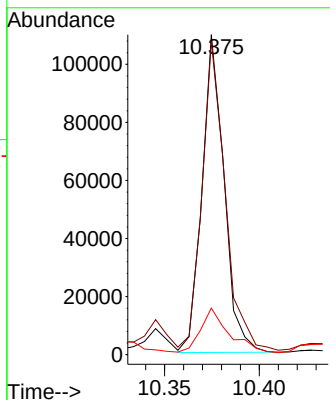
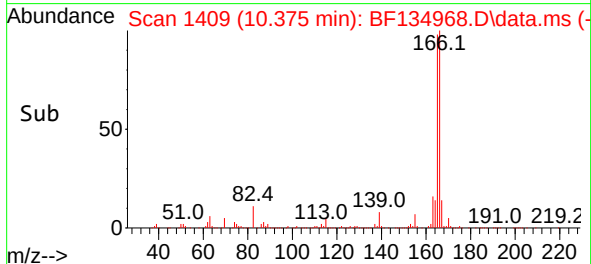
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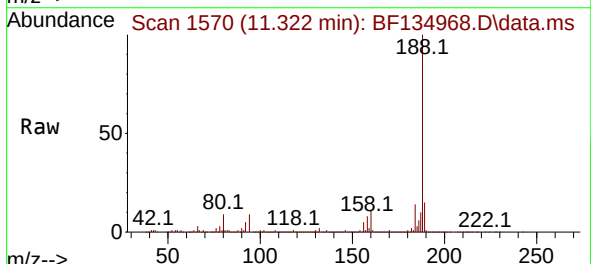
Tgt Ion:166 Resp: 8854
Ion Ratio Lower Upper
166 100
165 98.1 78.5 117.7
167 14.5 11.0 16.6

Manual Integrations
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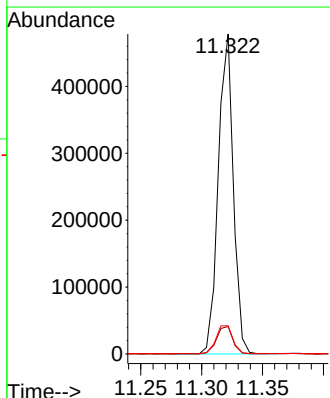
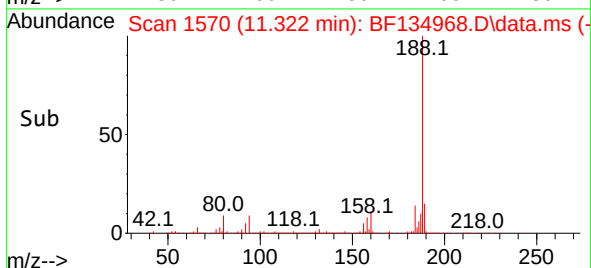
Reviewed By :Yogesh Patel 08/29/2023
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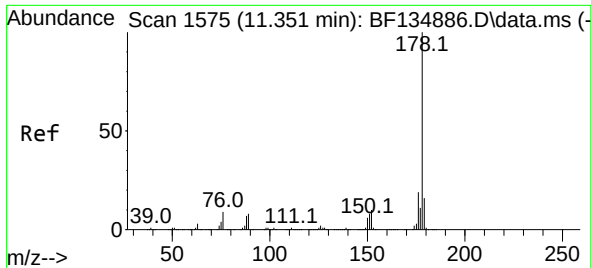


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56



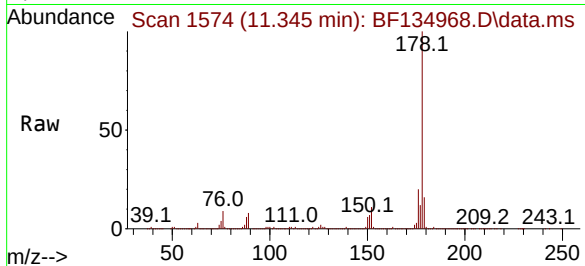
Tgt Ion:188 Resp: 411927
Ion Ratio Lower Upper
188 100
94 8.6 7.5 11.3
80 8.8 7.8 11.6





#71
Phenanthrene
Concen: 41.245 ng
RT: 11.345 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

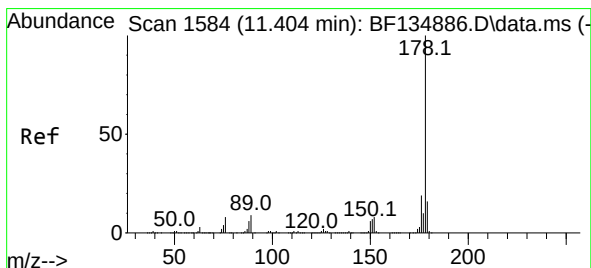
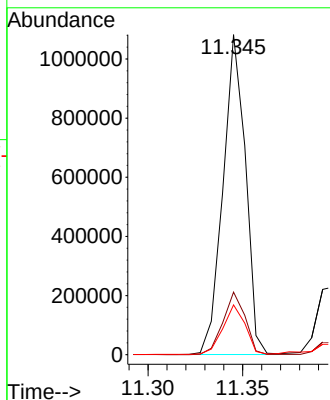
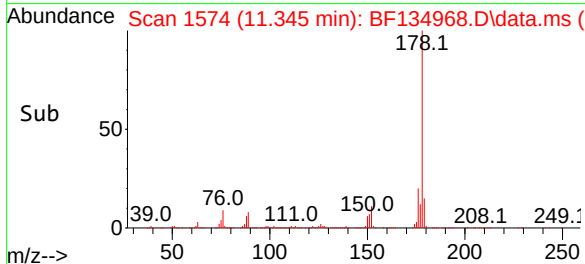
Instrument :
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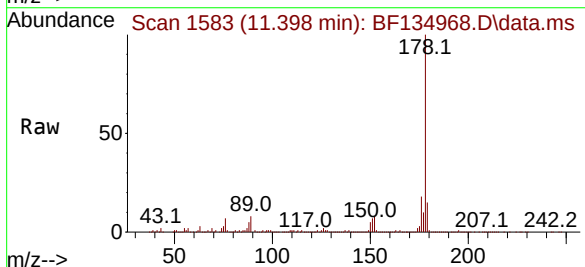
Tgt Ion:178 Resp: 890298
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 15.6 12.6 19.0

Manual Integrations
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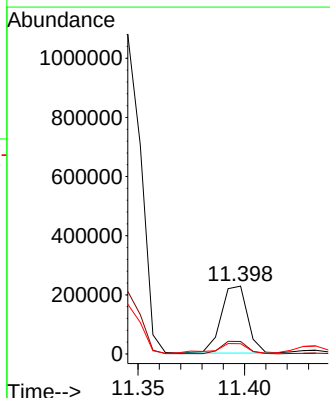
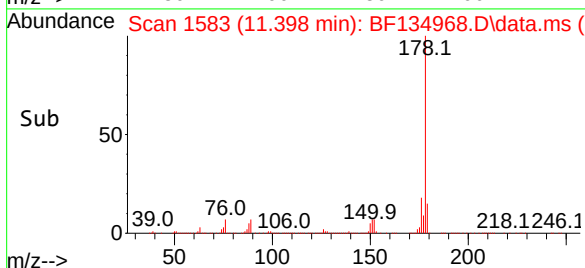
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

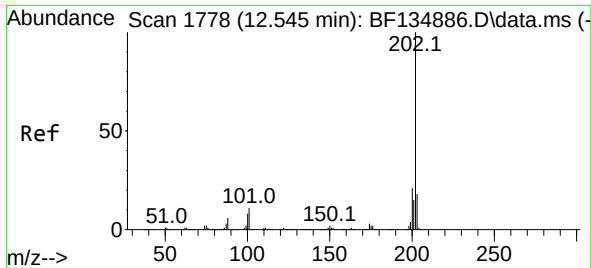


#72
Anthracene
Concen: 8.880 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56



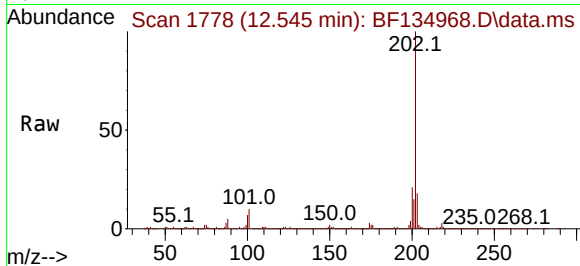
Tgt Ion:178 Resp: 196388
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.2 12.5 18.7





#75
Fluoranthene
Concen: 50.868 ng
RT: 12.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

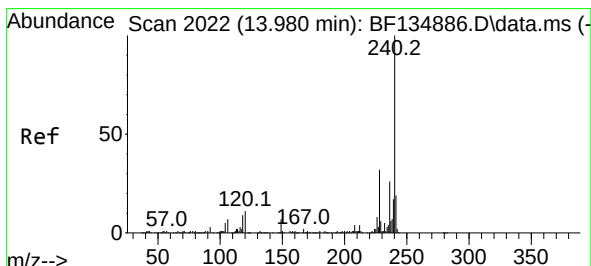
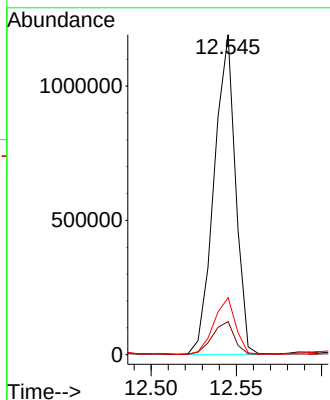
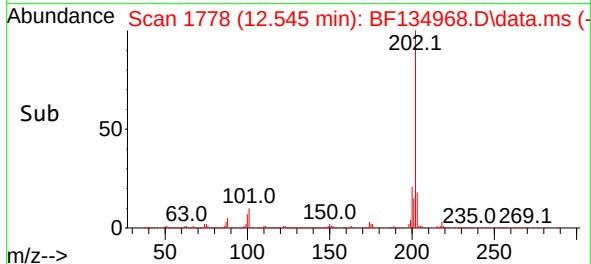
Instrument :
BNA_F
ClientSampleId :
OK-2-082323



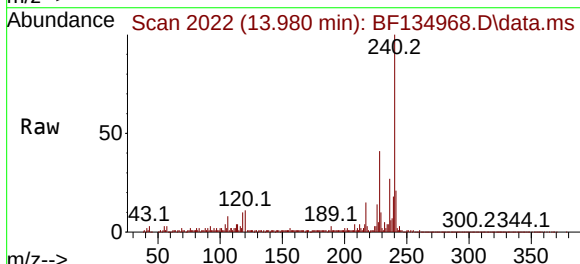
Tgt Ion:202 Resp: 104038
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.5
203 17.8 0.0 37.8

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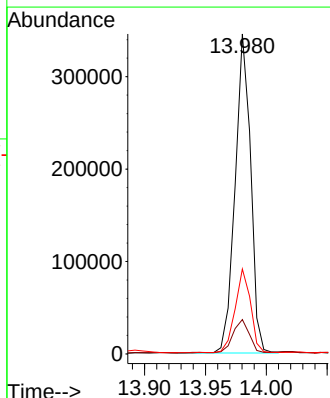
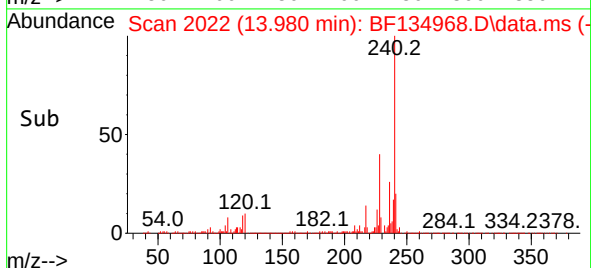
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

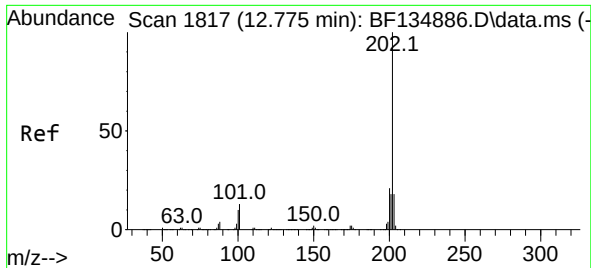


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56



Tgt Ion:240 Resp: 305626
Ion Ratio Lower Upper
240 100
120 10.7 8.6 12.8
236 26.6 20.6 31.0





#78
Pyrene
Concen: 34.928 ng
RT: 12.775 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

Instrument :

BNA_F

ClientSampleId :

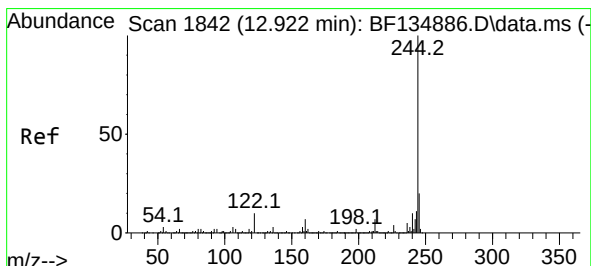
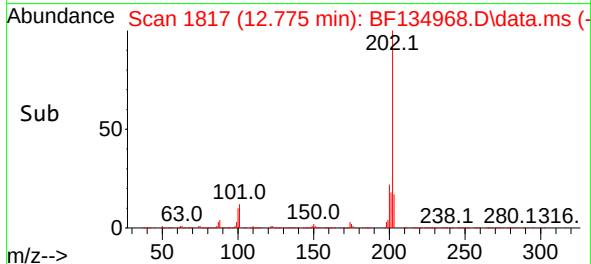
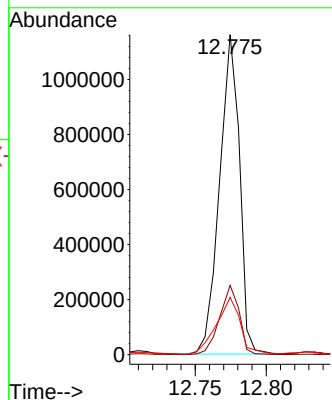
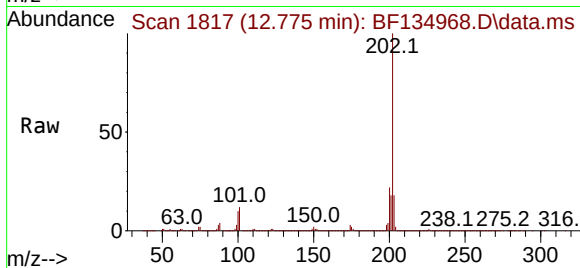
OK-2-082323

Tgt Ion:202 Resp: 1131825
Ion Ratio Lower Upper
202 100
200 21.7 17.1 25.7
203 17.9 14.2 21.2

Manual Integrations

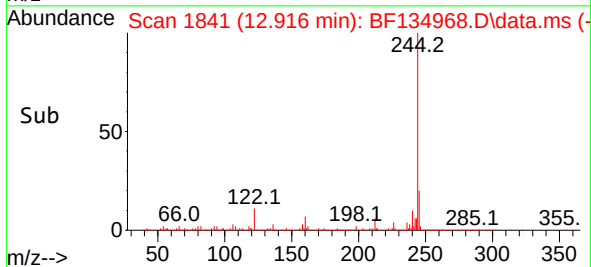
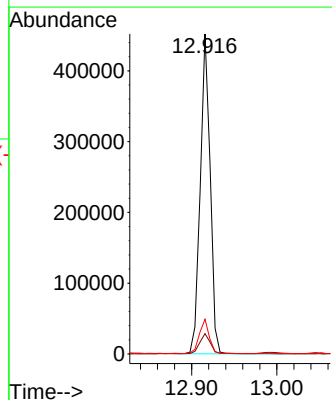
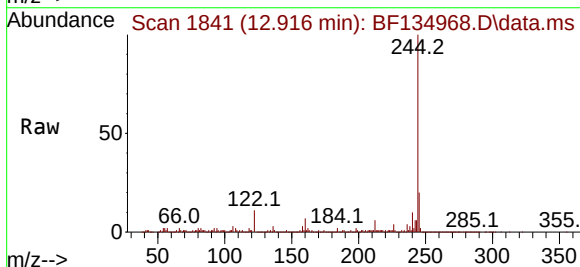
APPROVED

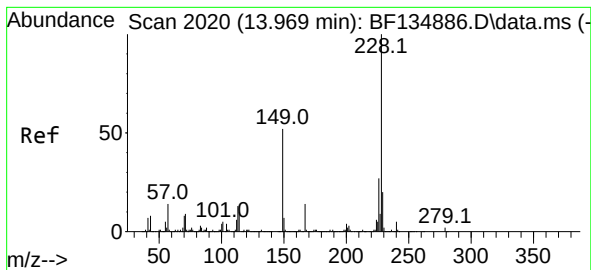
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#79
Terphenyl-d14
Concen: 16.421 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

Tgt Ion:244 Resp: 364894
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 10.8 8.2 12.4





#81

Benzo(a)anthracene

Concen: 24.466 ng

RT: 13.969 min Scan# 2020

Delta R.T. -0.000 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

Tgt Ion:228 Resp: 510169

Ion Ratio Lower Upper

228 100

226 32.1 21.8 32.6

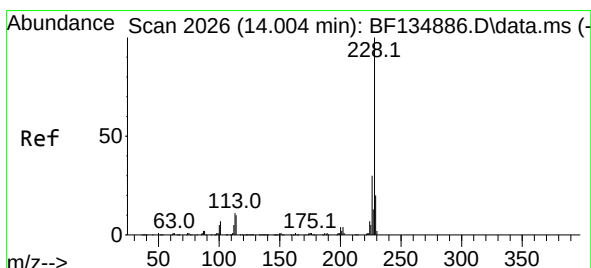
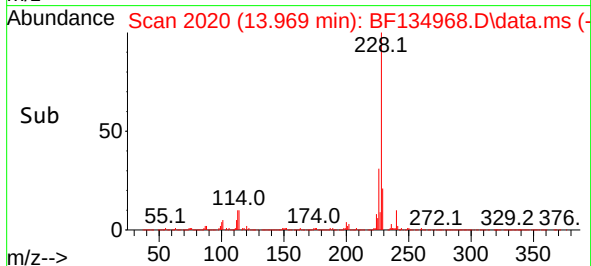
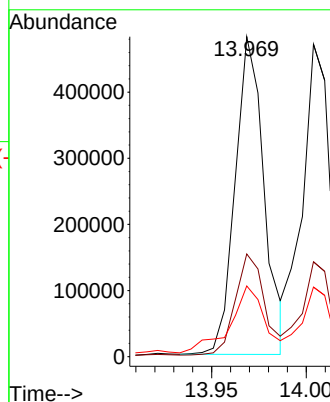
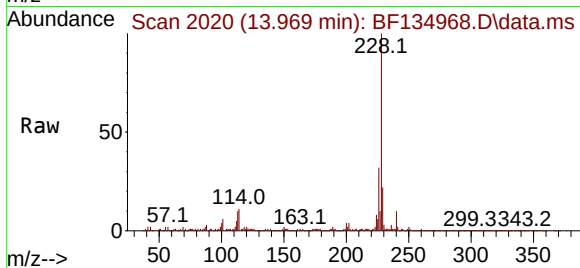
229 22.1 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023



#83

Chrysene

Concen: 22.754 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

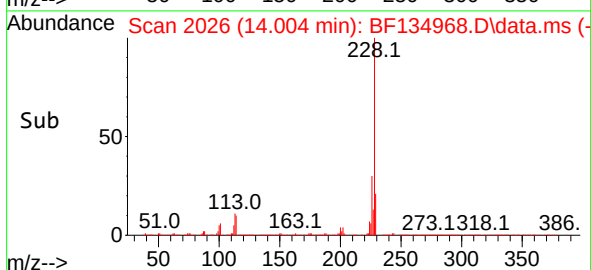
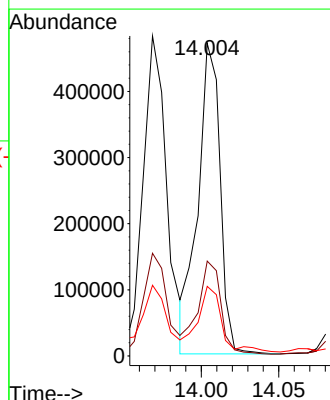
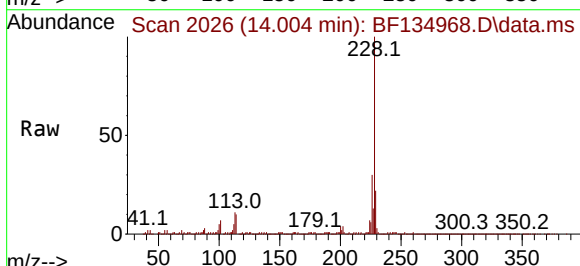
Tgt Ion:228 Resp: 468148

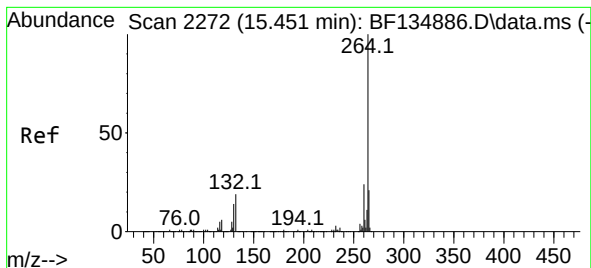
Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.2

229 22.3 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

Instrument :

BNA_F

ClientSampleId :

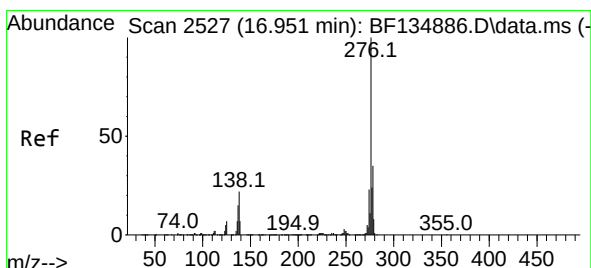
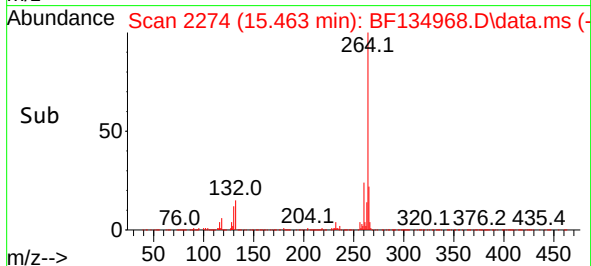
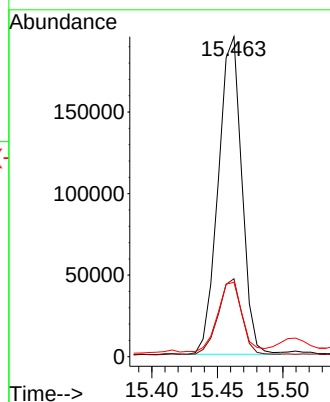
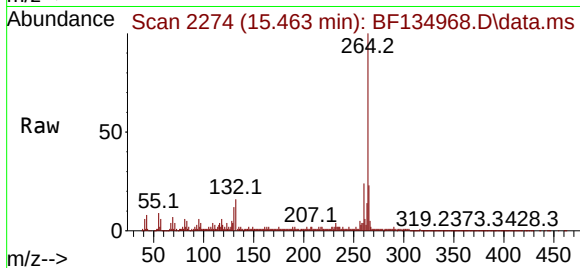
OK-2-082323

Tgt Ion:264	Resp: 24305
Ion Ratio	Lower Upper
264	100
260	24.4 19.0 28.6
265	23.3 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.657 ng

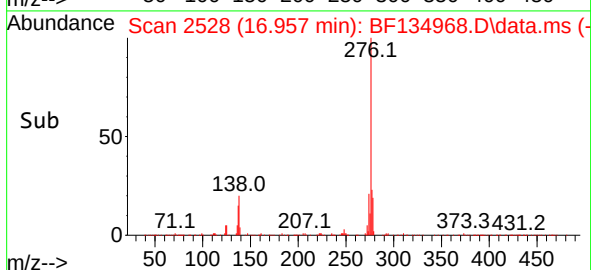
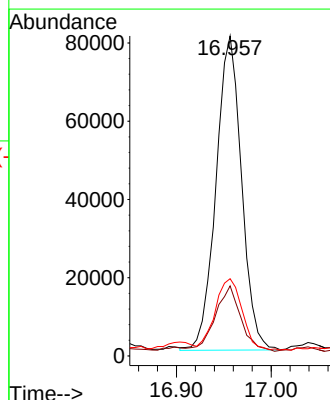
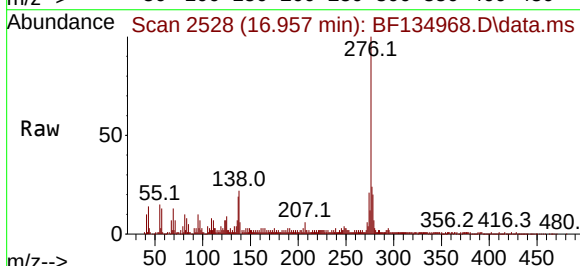
RT: 16.957 min Scan# 2528

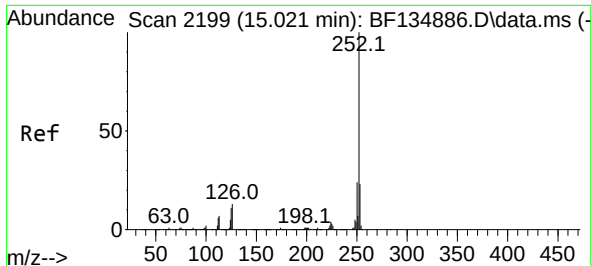
Delta R.T. 0.006 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

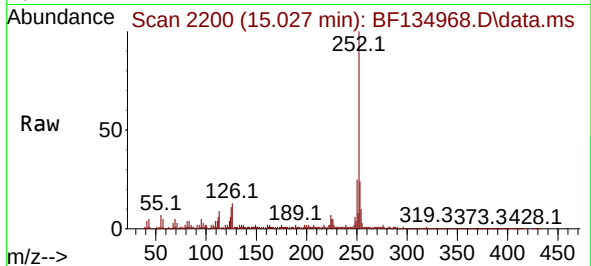
Tgt Ion:276	Resp: 150409
Ion Ratio	Lower Upper
276	100
138	21.0 19.7 29.5
277	23.7 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 30.598 ng m
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

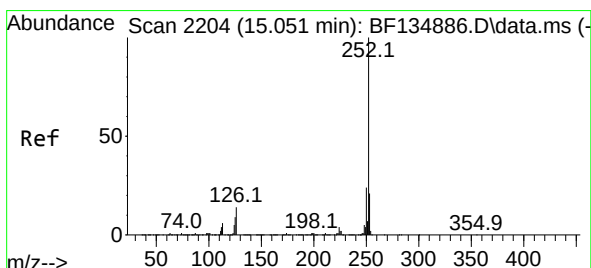
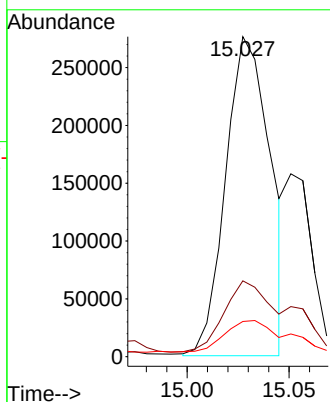
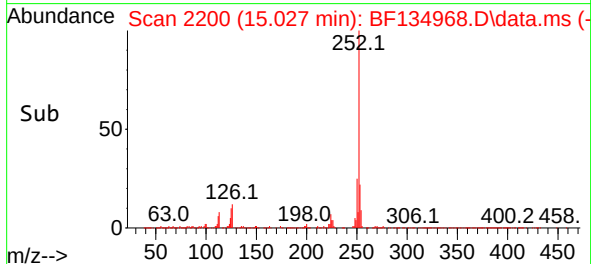
Instrument :
BNA_F
ClientSampleId :
OK-2-082323



Tgt Ion:252 Resp: 419594
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 11.0 8.4 12.6

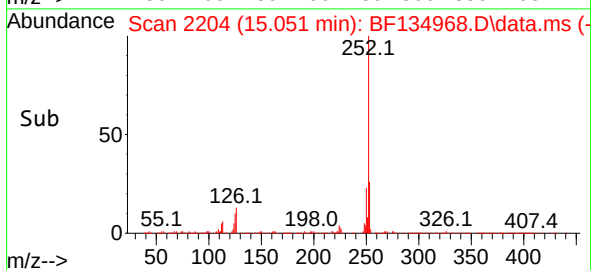
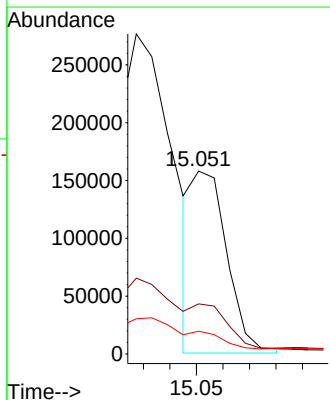
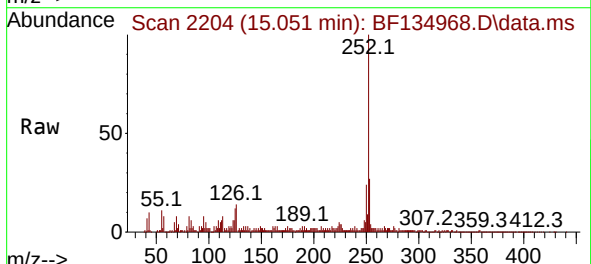
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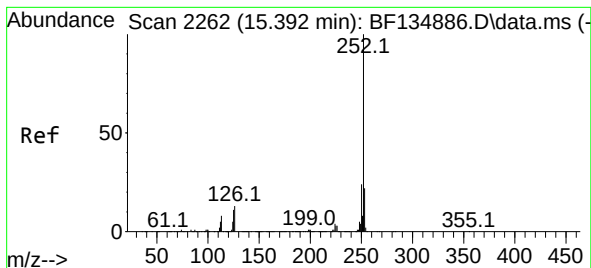
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#89
Benzo(k)fluoranthene
Concen: 10.612 ng m
RT: 15.051 min Scan# 2204
Delta R.T. -0.000 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

Tgt Ion:252 Resp: 142894
Ion Ratio Lower Upper
252 100
253 27.4 17.1 25.7#
125 12.4 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 21.665 ng

RT: 15.398 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

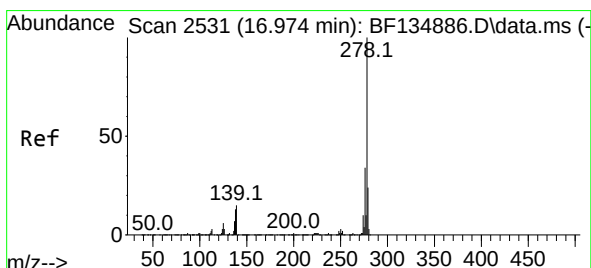
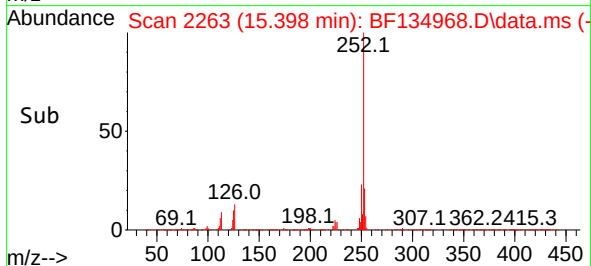
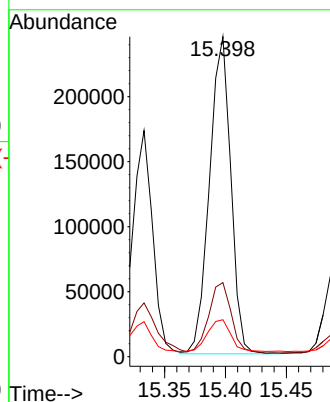
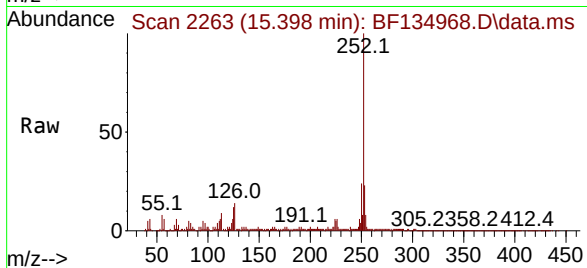
Tgt Ion:252 Resp: 29658
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.6 26.4
 125 11.5 8.4 12.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.797 ng

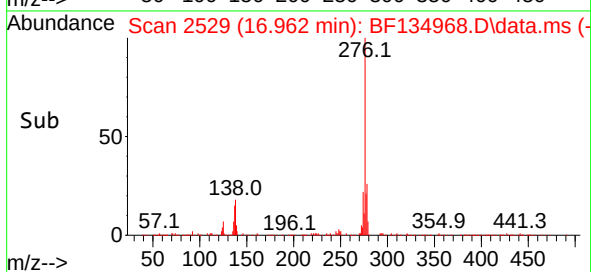
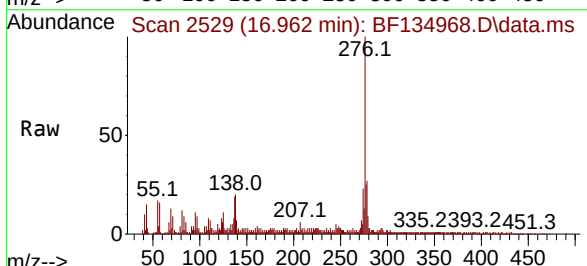
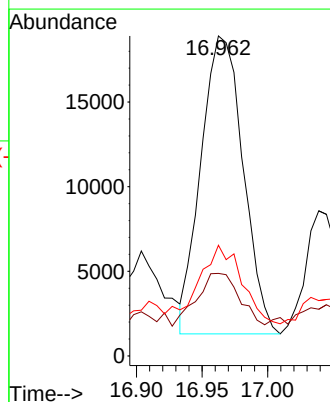
RT: 16.962 min Scan# 2529

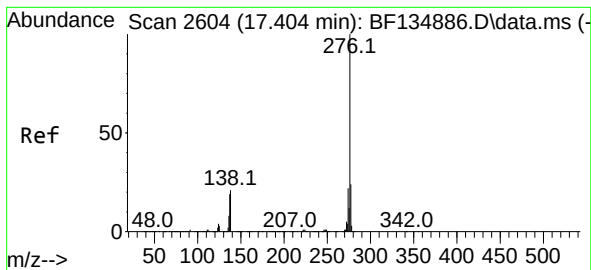
Delta R.T. -0.012 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

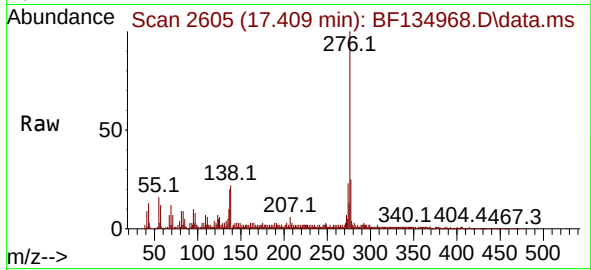
Tgt Ion:278 Resp: 39322
 Ion Ratio Lower Upper
 278 100
 139 32.6 12.2 18.4#
 279 34.6 19.1 28.7#





#92
 Benzo(g,h,i)perylene
 Concen: 10.282 ng
 RT: 17.409 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF134968.D
 Acq: 28 Aug 2023 14:56

Instrument :
 BNA_F
 ClientSampleId :
 OK-2-082323



Tgt Ion: 276 Resp: 147958
 Ion Ratio Lower Upper
 276 100
 277 24.7 19.2 28.8
 138 21.8 17.0 25.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :mohammad ahmed 08/29/2023

