

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081723\
 Data File : BF134827.D
 Acq On : 17 Aug 2023 20:33
 Operator : CG\JU
 Sample : 04046-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06(0-5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/18/2023
 Supervised By :mohammad ahmed 08/18/2023

Quant Time: Aug 18 01:08:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	144391	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	557325	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	261891	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	402086	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	309770	20.000	ng	#-0.01
86) Perylene-d12	15.439	264	393116	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	639671	67.342	ng	0.00
7) Phenol-d6	6.428	99	801867	66.039	ng	-0.01
23) Nitrobenzene-d5	7.351	82	481768	54.021	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	183289	68.655	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	837234	53.154	ng	-0.02
79) Terphenyl-d14	12.910	244	677489	38.555	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	94276	4.414	ng	98
75) Fluoranthene	12.533	202	224163	9.936	ng	99
78) Pyrene	12.763	202	283956	10.593	ng	98
81) Benzo(a)anthracene	13.951	228	190767	8.612	ng	97
83) Chrysene	13.992	228	190292	8.818	ng	97
87) Indeno(1,2,3-cd)pyrene	16.915	276	171678	7.425	ng	# 96
88) Benzo(b)fluoranthene	15.004	252	277794m	11.586	ng	
89) Benzo(k)fluoranthene	15.033	252	96827m	4.054	ng	
90) Benzo(a)pyrene	15.374	252	242866	10.864	ng	# 96
92) Benzo(g,h,i)perylene	17.368	276	172208	9.035	ng	# 91

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

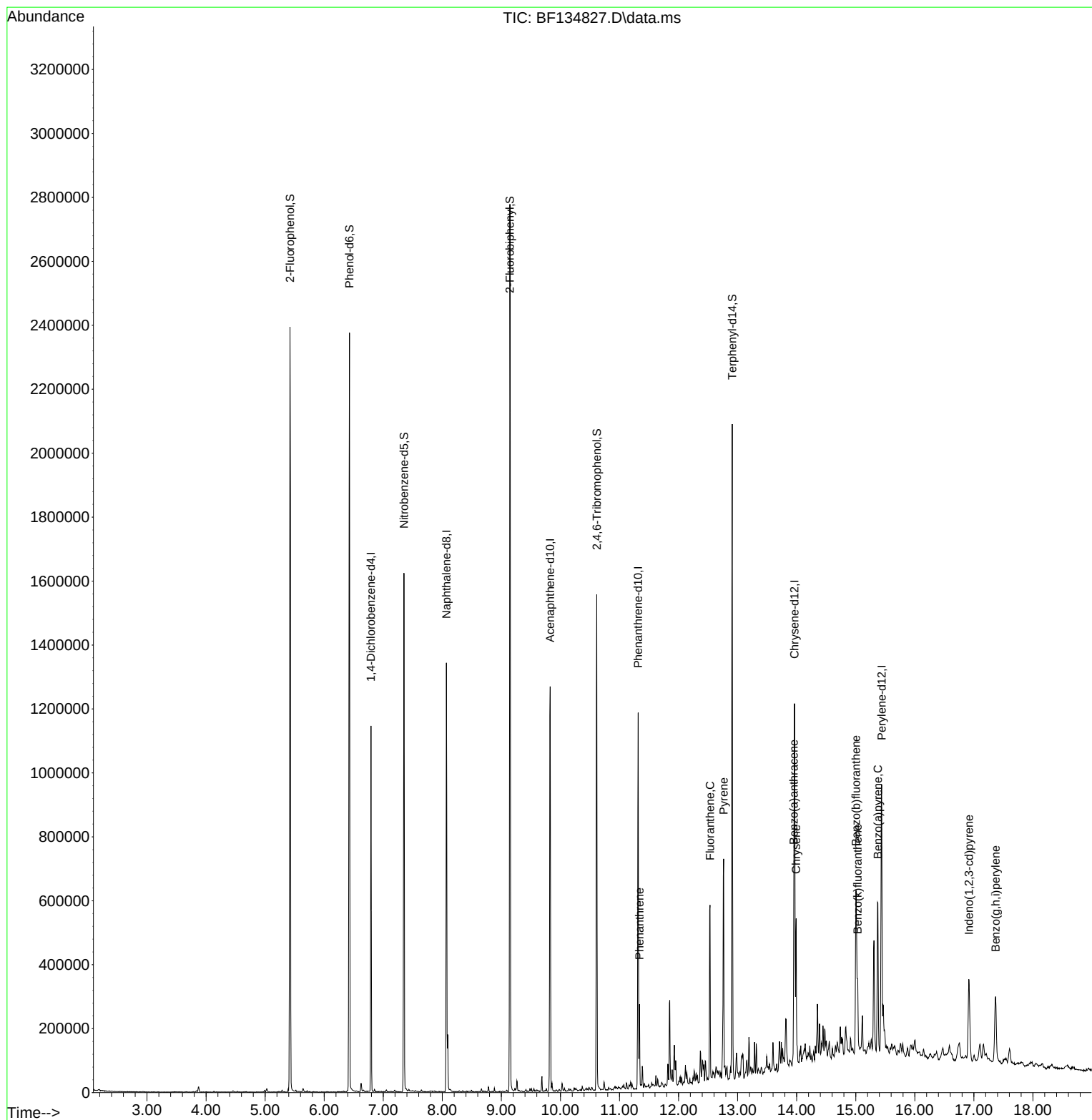
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081723\
Data File : BF134827.D
Acq On : 17 Aug 2023 20:33
Operator : CG\JU
Sample : 04046-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

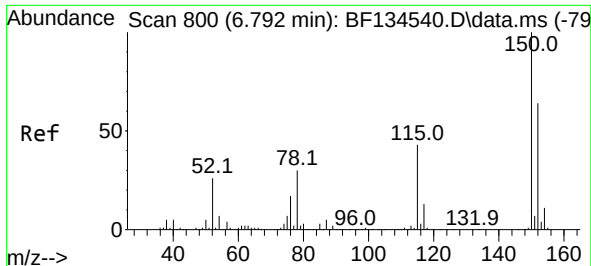
Instrument :
BNA_F
ClientSampleId :
SB-06(0-5)

Quant Time: Aug 18 01:08:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration

Manual Integrations
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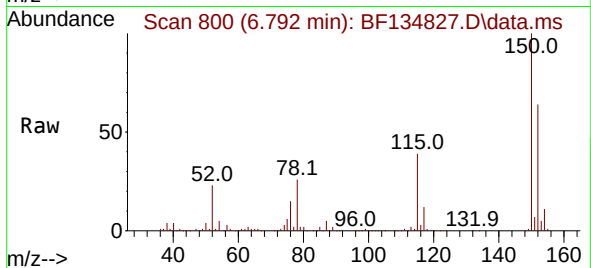
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

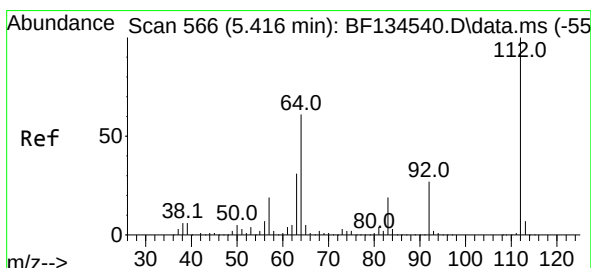
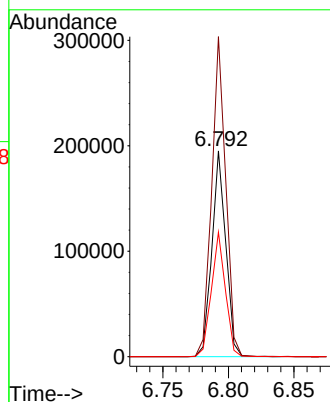
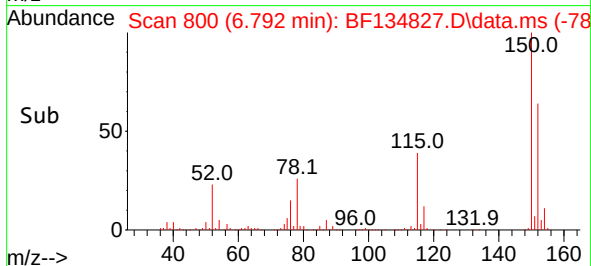
Instrument :
BNA_F
ClientSampleId :
SB-06(0-5)



Tgt Ion:152 Resp: 14439
Ion Ratio Lower Upper
152 100
150 155.6 128.3 192.5
115 60.5 52.4 78.6

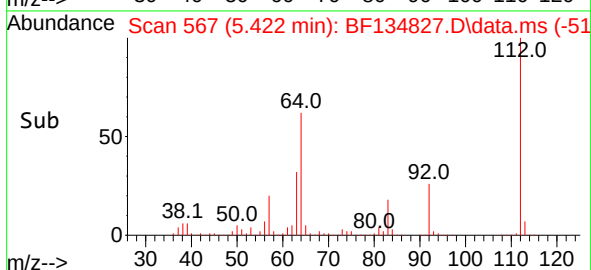
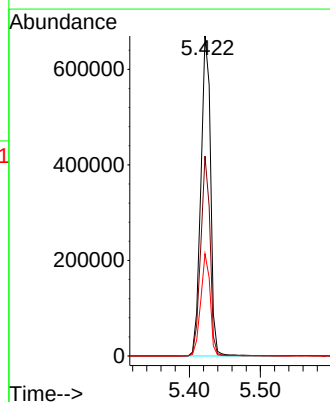
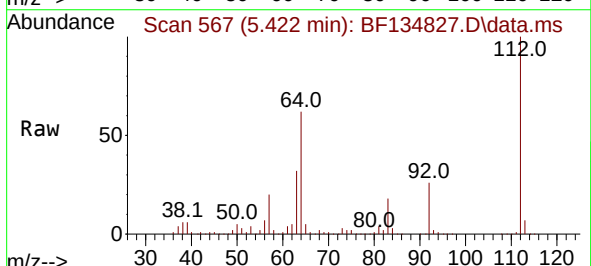
Manual Integrations
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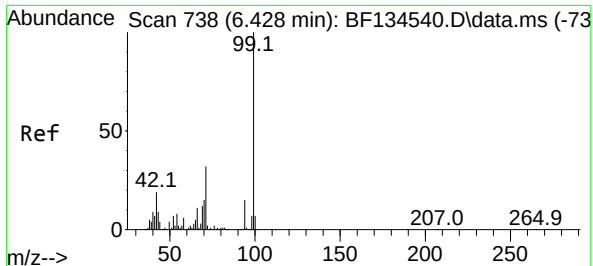
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023



#5
2-Fluorophenol
Concen: 67.342 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

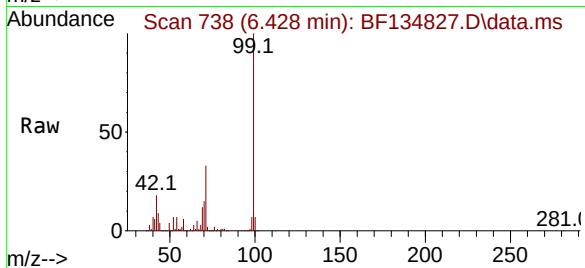
Tgt Ion:112 Resp: 639671
Ion Ratio Lower Upper
112 100
64 62.5 44.9 67.3
63 32.0 25.4 38.0





#7
Phenol-d6
Concen: 66.039 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

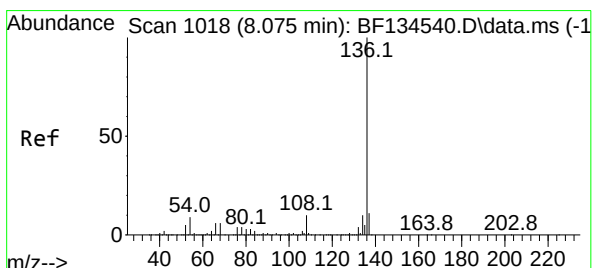
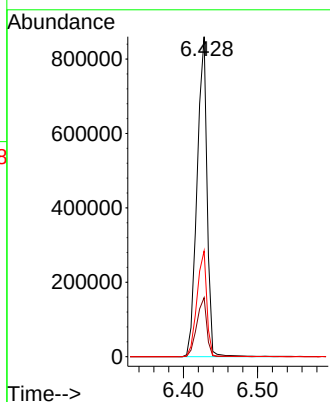
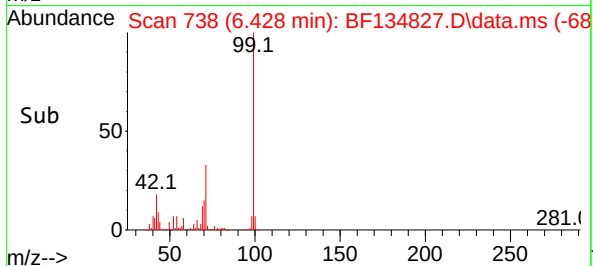
Instrument :
BNA_F
ClientSampleId :
SB-06(0-5)



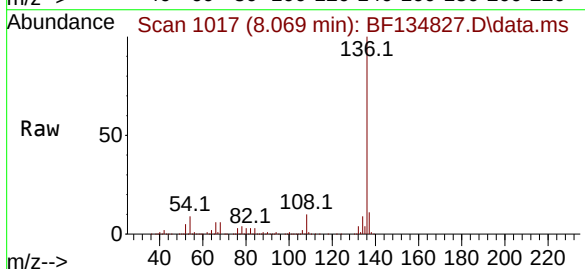
Tgt Ion: 99 Resp: 80186
Ion Ratio Lower Upper
99 100
42 18.5 18.7 28.1
71 33.1 36.4 54.6

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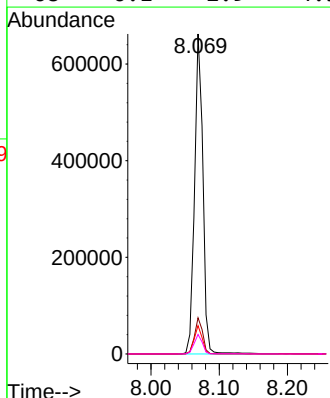
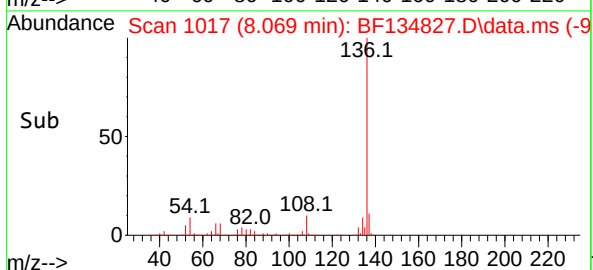
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023

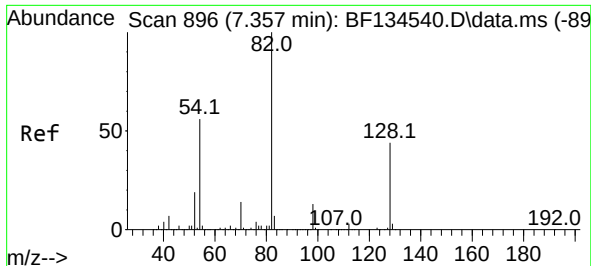


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33



Tgt Ion:136 Resp: 557325
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 8.9 5.2 7.8#
68 6.1 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 54.021 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF134827.D

Acq: 17 Aug 2023 20:33

Instrument :

BNA_F

ClientSampleId :

SB-06(0-5)

Tgt Ion: 82 Resp: 481768

Ion Ratio Lower Upper

82 100

128 45.7 34.3 51.5

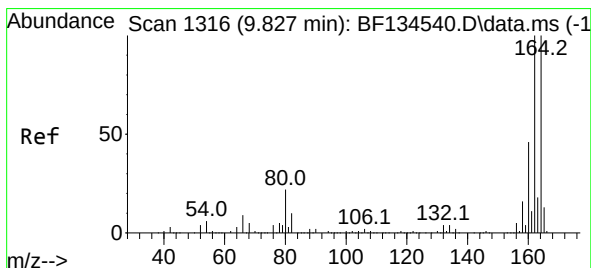
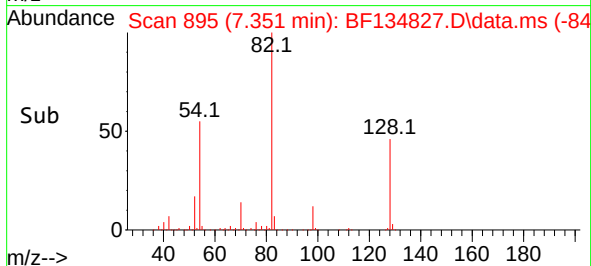
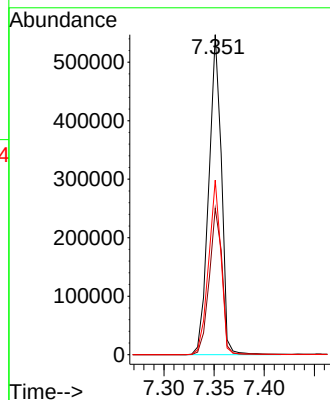
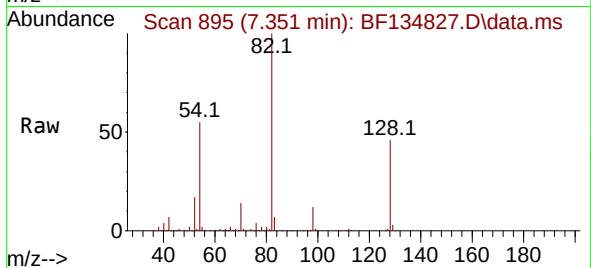
54 54.6 43.8 65.6

Manual Integrations

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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: BF134827.D

Acq: 17 Aug 2023 20:33

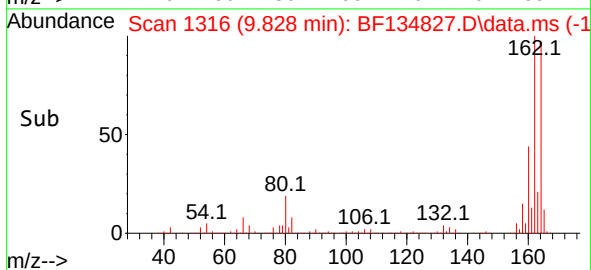
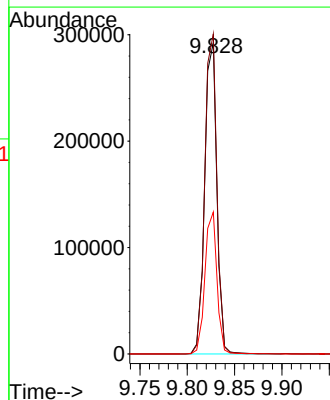
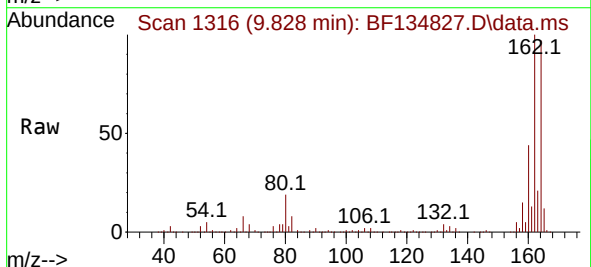
Tgt Ion:164 Resp: 261891

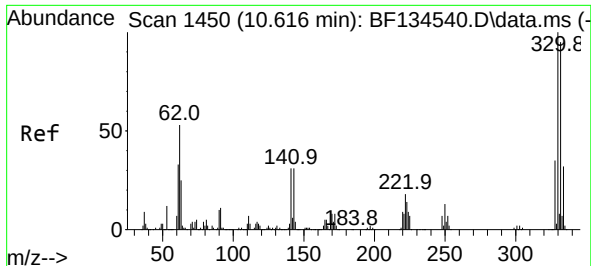
Ion Ratio Lower Upper

164 100

162 102.8 82.6 123.8

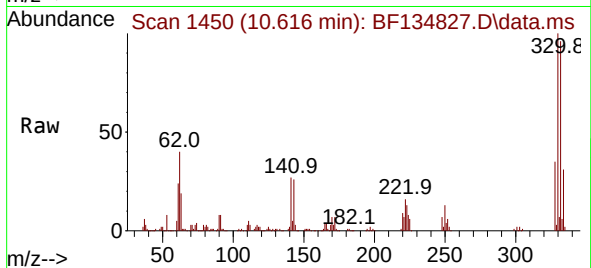
160 45.6 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 68.655 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

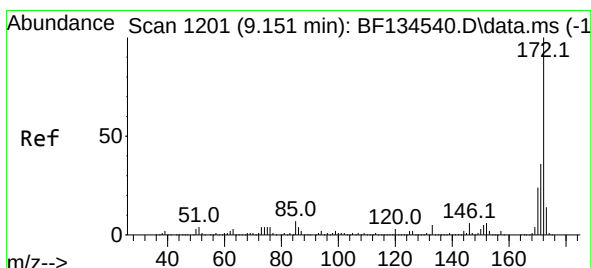
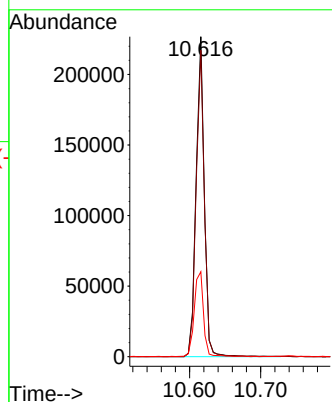
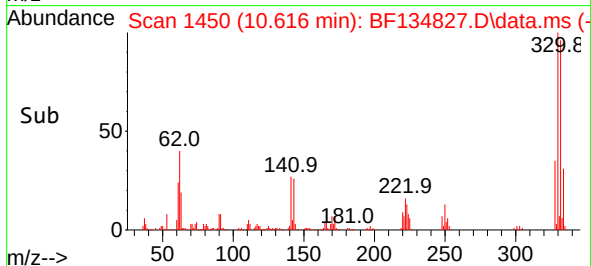
Instrument :
BNA_F
ClientSampleId :
SB-06(0-5)



Tgt Ion:330 Resp: 183289
Ion Ratio Lower Upper
330 100
332 95.9 78.8 118.2
141 30.2 25.4 38.2

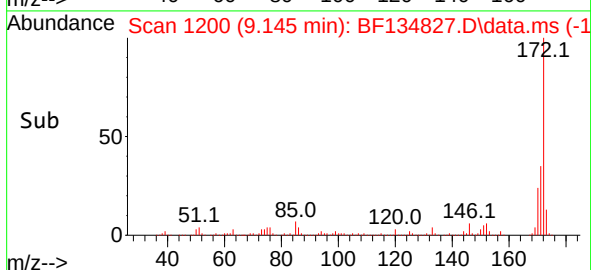
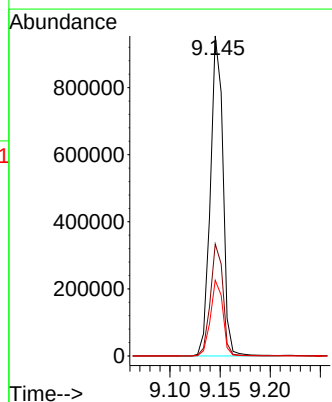
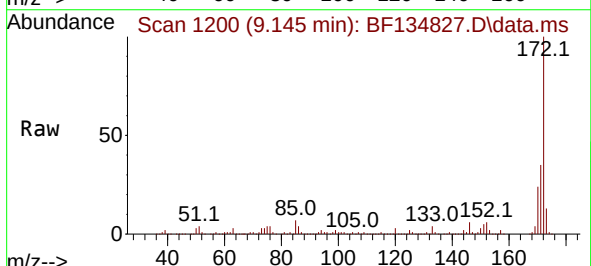
Manual Integrations
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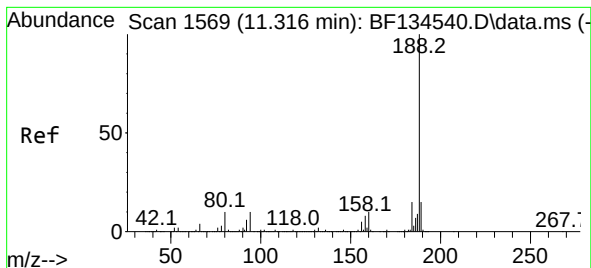
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023



#45
2-Fluorobiphenyl
Concen: 53.154 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

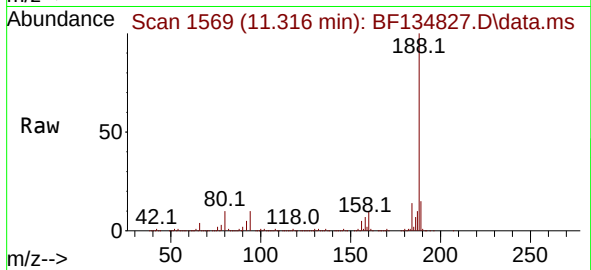
Tgt Ion:172 Resp: 837234
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.7 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

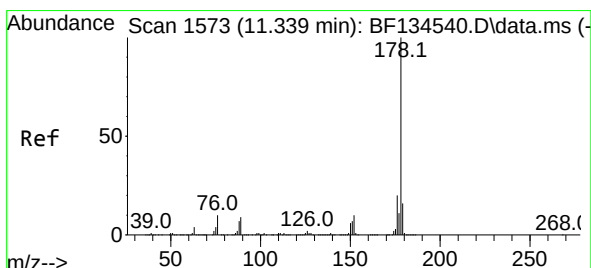
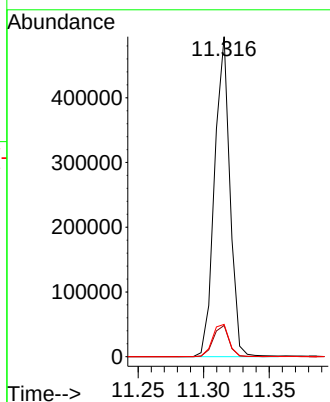
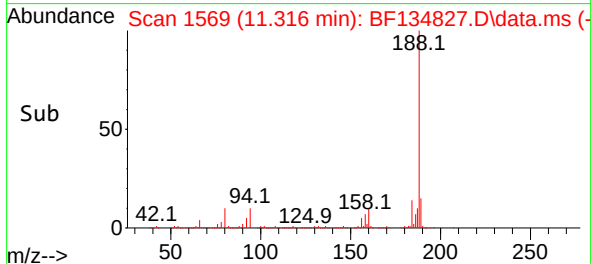
Instrument :
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ClientSampleId :
SB-06(0-5)



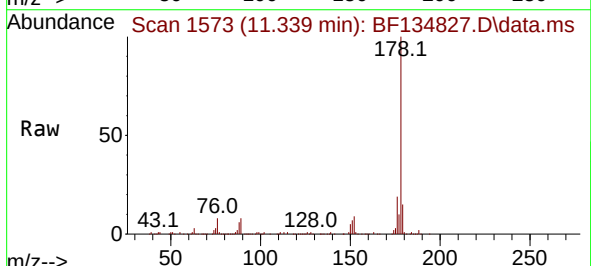
Tgt Ion:188 Resp: 402080
Ion Ratio Lower Upper
188 100
94 9.7 5.1 7.7
80 10.1 6.6 9.8

Manual Integrations
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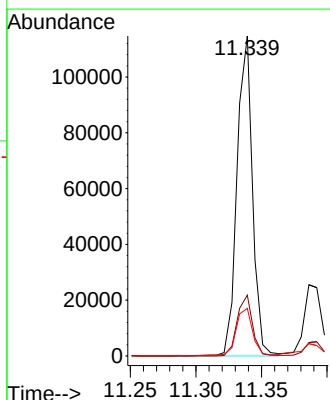
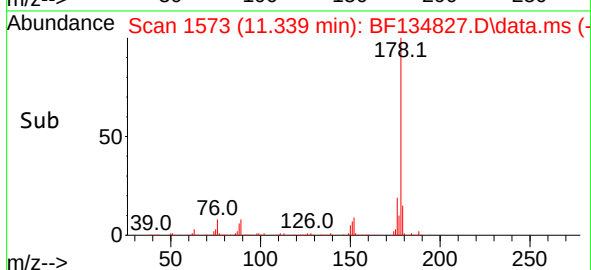
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023

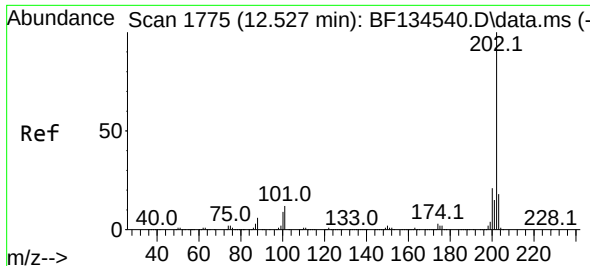


#71
Phenanthrene
Concen: 4.414 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33



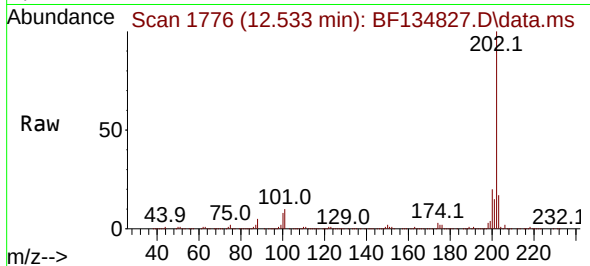
Tgt Ion:178 Resp: 94276
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 14.8 12.7 19.1





#75
Fluoranthene
Concen: 9.936 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

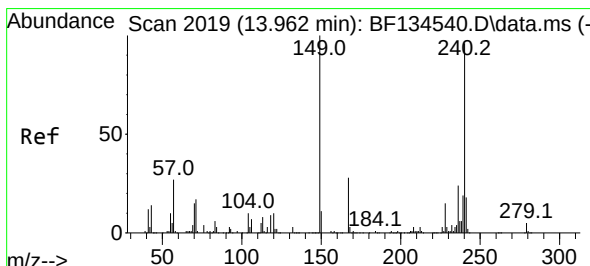
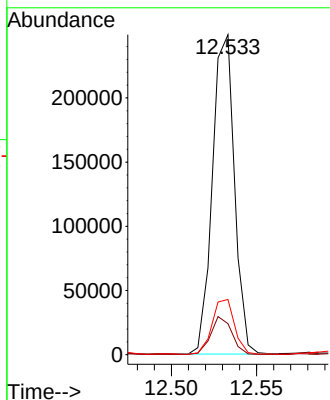
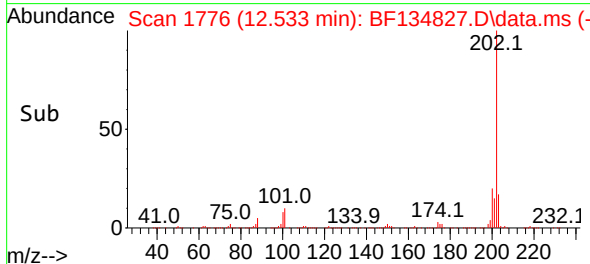
Instrument :
BNA_F
ClientSampleId :
SB-06(0-5)



Tgt Ion:202 Resp: 22416
Ion Ratio Lower Upper
202 100
101 9.7 0.0 28.5
203 17.3 0.0 37.5

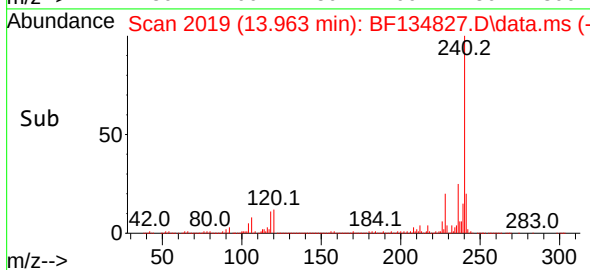
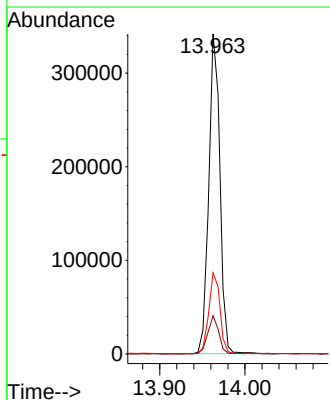
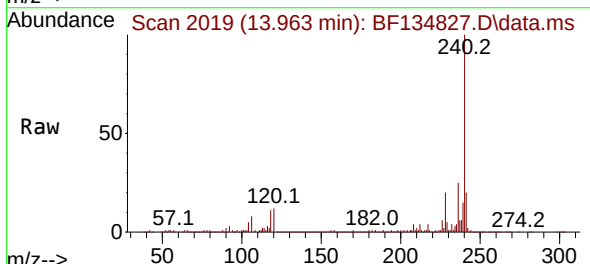
Manual Integrations
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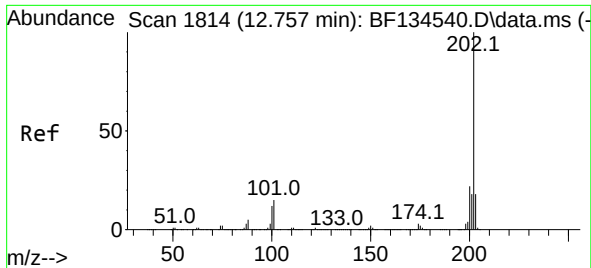
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

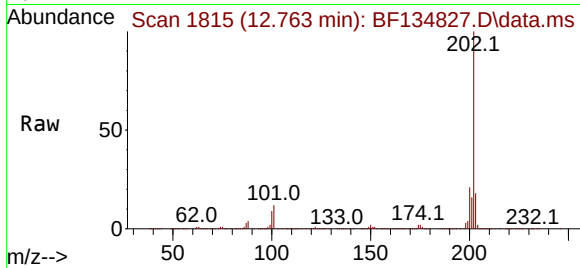
Tgt Ion:240 Resp: 309770
Ion Ratio Lower Upper
240 100
120 12.0 6.6 10.0#
236 25.4 20.2 30.2





#78
Pyrene
Concen: 10.593 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

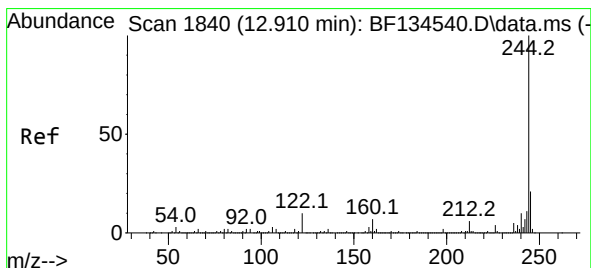
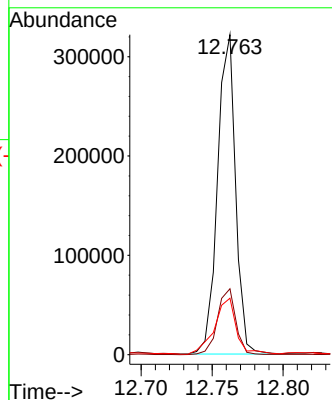
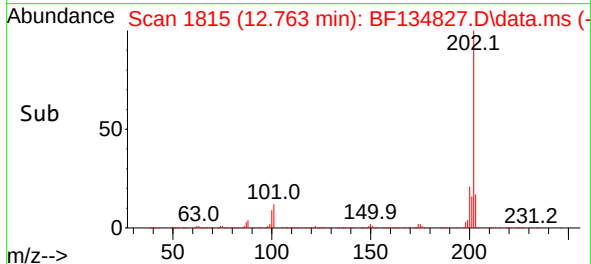
Instrument :
BNA_F
ClientSampleId :
SB-06(0-5)



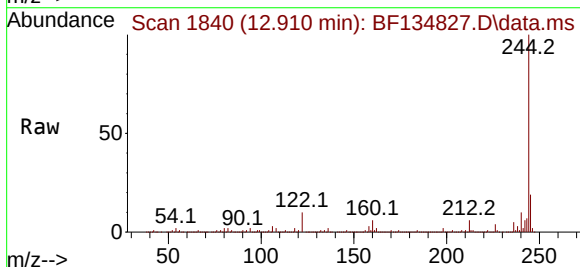
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Ion Ratio Lower Upper
202 100
200 20.6 15.8 23.8
203 17.7 13.5 20.3

Manual Integrations
APPROVED

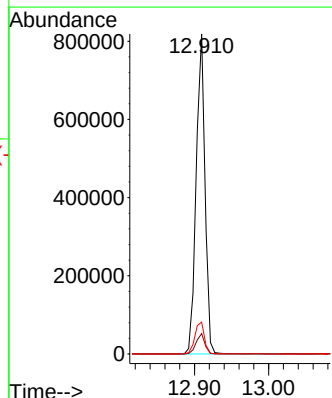
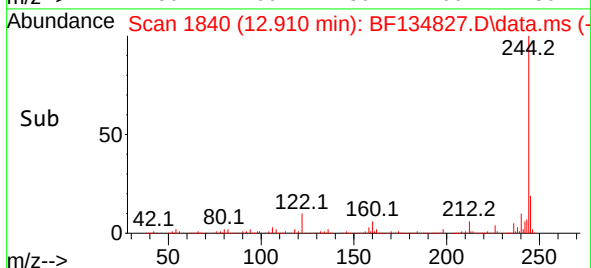
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023

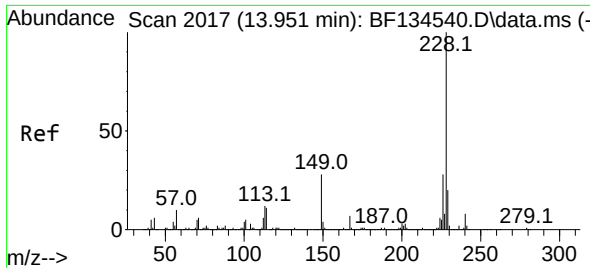


#79
Terphenyl-d14
Concen: 38.555 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33



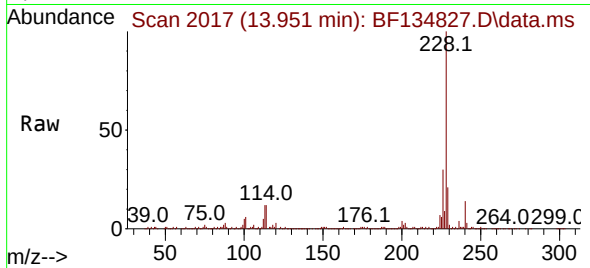
Tgt Ion:244 Resp: 677489
Ion Ratio Lower Upper
244 100
212 6.4 5.6 8.4
122 10.0 8.0 12.0





#81
Benzo(a)anthracene
Concen: 8.612 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

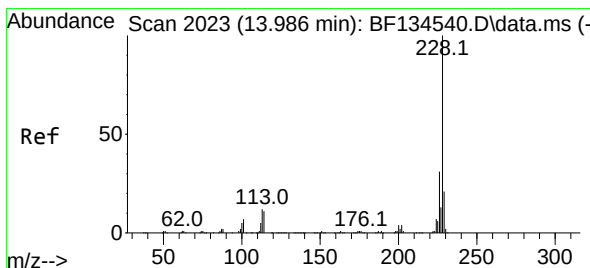
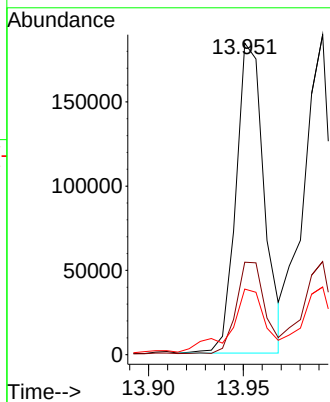
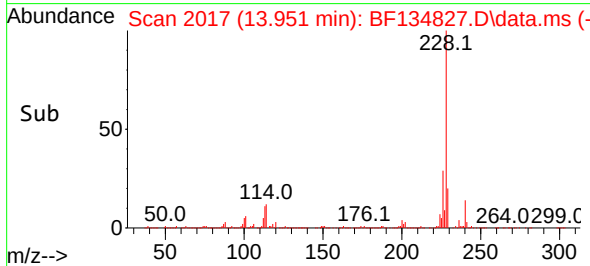
Instrument :
BNA_F
ClientSampleId :
SB-06(0-5)



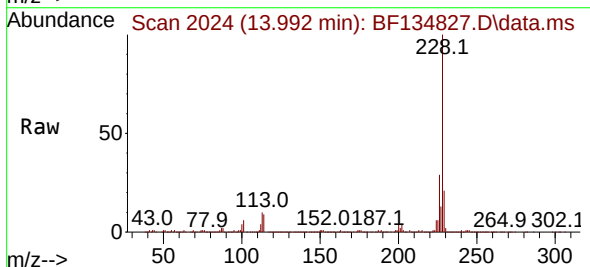
Tgt Ion:228 Resp: 190761
Ion Ratio Lower Upper
228 100
226 29.7 22.3 33.5
229 21.1 15.8 23.6

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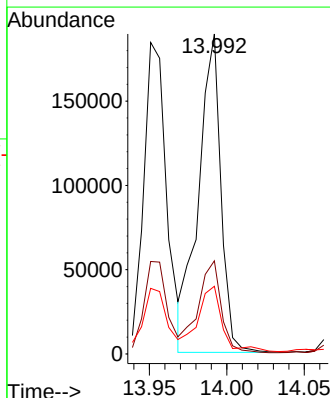
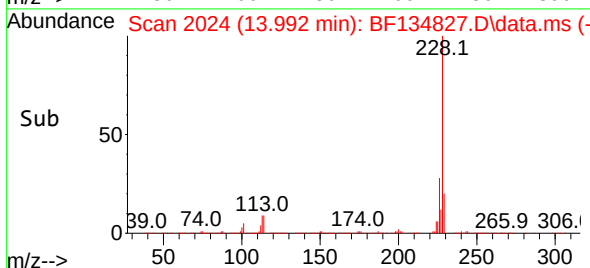
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023

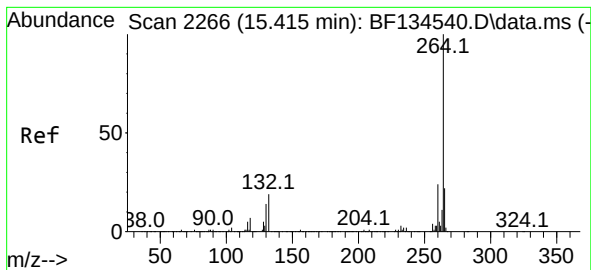


#83
Chrysene
Concen: 8.818 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33



Tgt Ion:228 Resp: 190292
Ion Ratio Lower Upper
228 100
226 29.1 24.5 36.7
229 21.1 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134827.D

Acq: 17 Aug 2023 20:33

Instrument :

BNA_F

ClientSampleId :

SB-06(0-5)

Tgt Ion:264 Resp: 393110

Ion Ratio Lower Upper

264 100

260 24.7 18.4 27.6

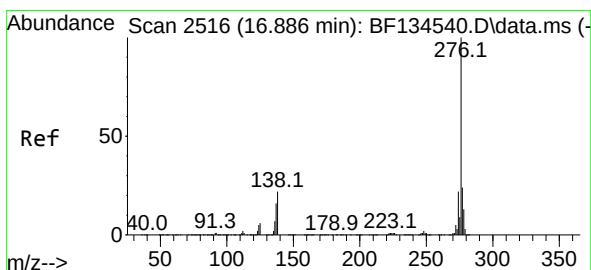
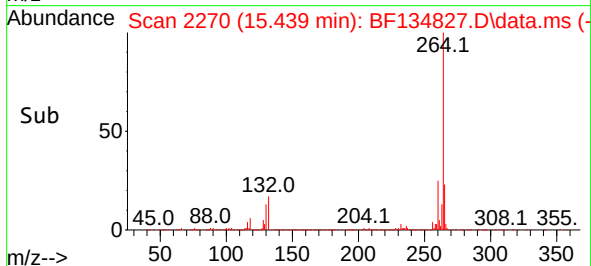
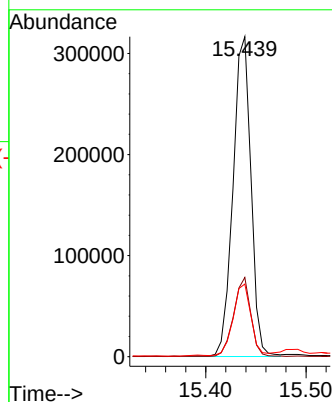
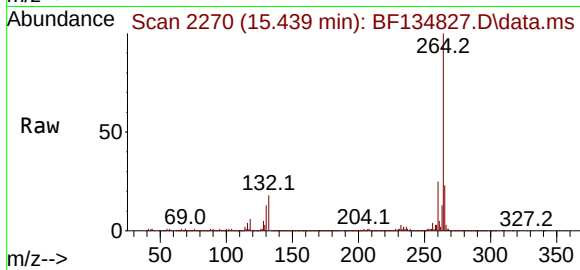
265 22.7 15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/18/2023

Supervised By :mohammad ahmed 08/18/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.425 ng

RT: 16.915 min Scan# 2521

Delta R.T. -0.012 min

Lab File: BF134827.D

Acq: 17 Aug 2023 20:33

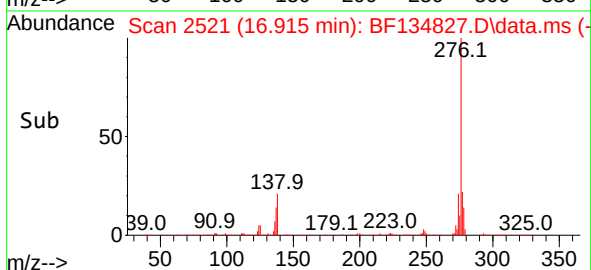
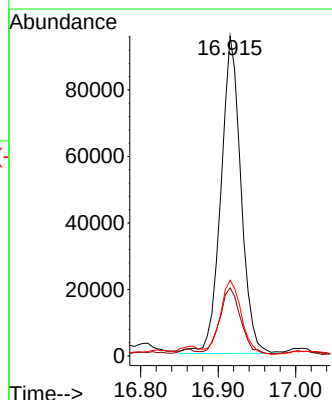
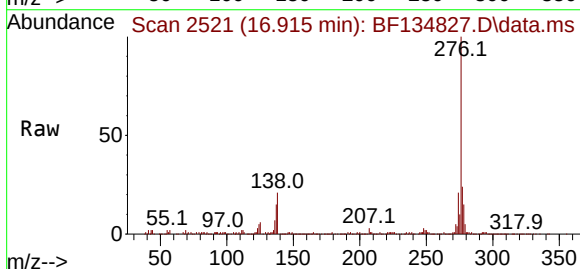
Tgt Ion:276 Resp: 171678

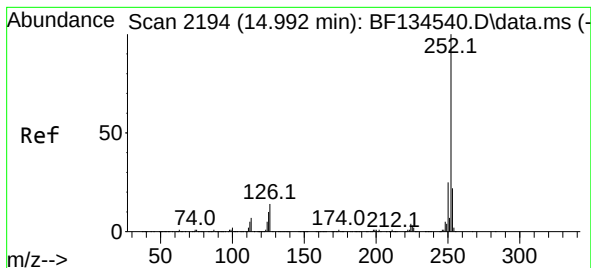
Ion Ratio Lower Upper

276 100

138 21.9 14.2 21.4#

277 24.5 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 11.586 ng m

RT: 15.004 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF134827.D

Acq: 17 Aug 2023 20:33

Instrument :

BNA_F

ClientSampleId :

SB-06(0-5)

Tgt Ion:252 Resp: 277794

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

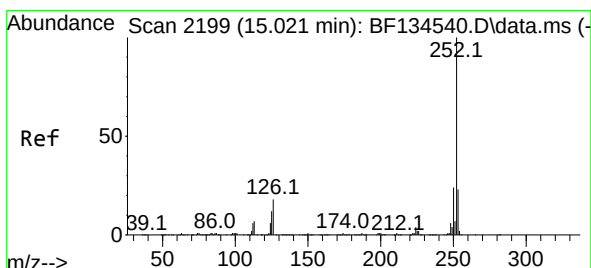
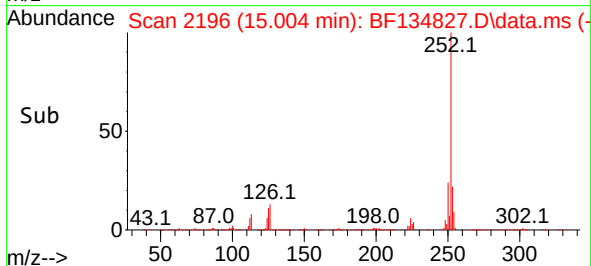
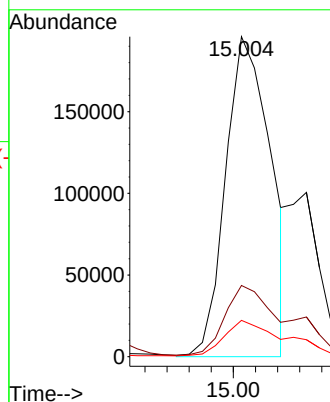
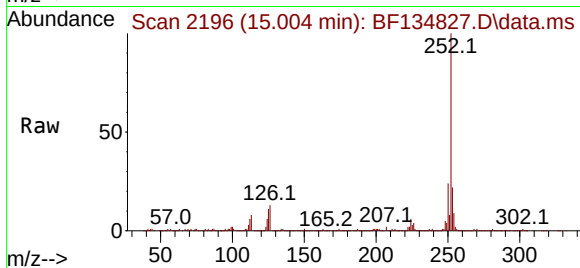
125 11.3 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/18/2023

Supervised By :mohammad ahmed 08/18/2023



#89

Benzo(k)fluoranthene

Concen: 4.054 ng m

RT: 15.033 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF134827.D

Acq: 17 Aug 2023 20:33

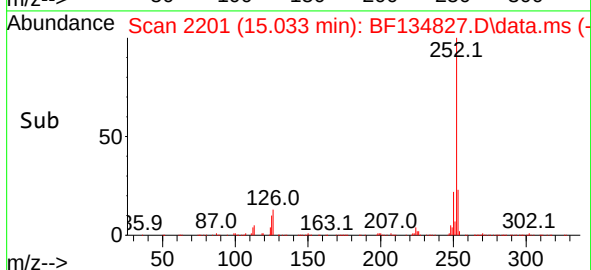
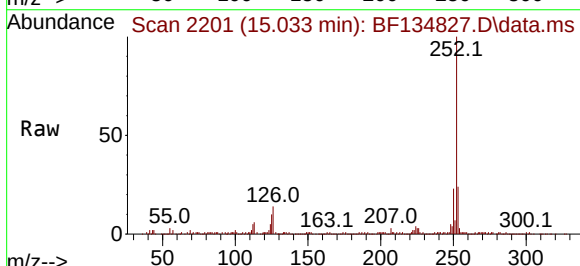
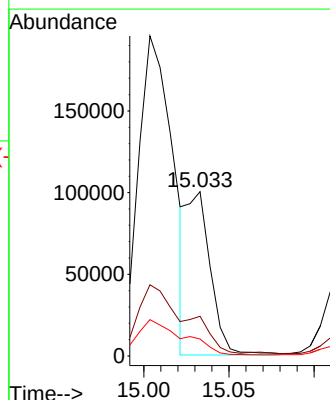
Tgt Ion:252 Resp: 96827

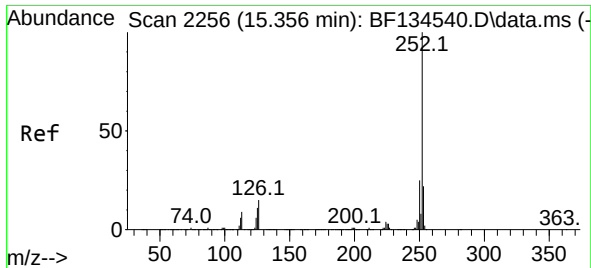
Ion Ratio Lower Upper

252 100

253 24.2 17.9 26.9

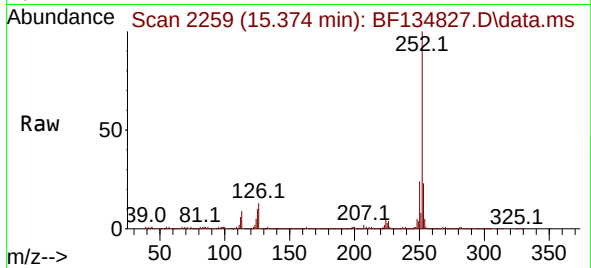
125 10.3 6.3 9.5





#90
Benzo(a)pyrene
Concen: 10.864 ng
RT: 15.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

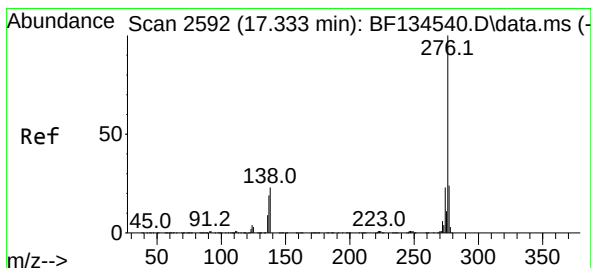
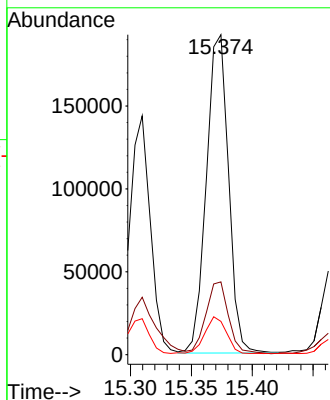
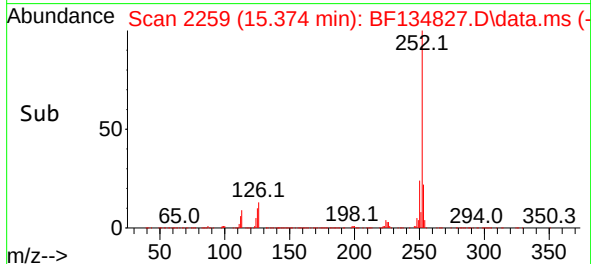
Instrument :
BNA_F
ClientSampleId :
SB-06(0-5)



Tgt Ion:252 Resp: 242860
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 10.4 6.2 9.4

Manual Integrations
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Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023



#92
Benzo(g,h,i)perylene
Concen: 9.035 ng
RT: 17.368 min Scan# 2598
Delta R.T. -0.006 min
Lab File: BF134827.D
Acq: 17 Aug 2023 20:33

Tgt Ion:276 Resp: 172208
Ion Ratio Lower Upper
276 100
277 22.5 19.0 28.6
138 22.6 12.2 18.2

