

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080223\
 Data File : BF134594.D
 Acq On : 02 Aug 2023 22:48
 Operator : CG\JU
 Sample : 03598-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-56-(0-2)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/03/2023
 Supervised By :mohammad ahmed 08/03/2023

Quant Time: Aug 03 01:51:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 02:20:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	175579	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	655208	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	275585	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	445934	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	316680	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	249970	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	836038	72.381	ng	0.00
7) Phenol-d6	6.422	99	1048819	71.034	ng	0.00
23) Nitrobenzene-d5	7.351	82	613184	58.485	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	199814	71.125	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1038508	62.657	ng	0.00
79) Terphenyl-d14	12.910	244	916153	51.000	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	102276	4.318	ng	98
75) Fluoranthene	12.527	202	165298	6.607	ng	98
78) Pyrene	12.757	202	143394	5.233	ng	99
81) Benzo(a)anthracene	13.945	228	78424	3.463	ng	95
83) Chrysene	13.980	228	69255	3.139	ng	94
88) Benzo(b)fluoranthene	14.992	252	64524m	4.232	ng	
90) Benzo(a)pyrene	15.357	252	44784	3.151	ng	# 97
92) Benzo(g,h,i)perylene	17.327	276	24834	2.049	ng	# 85

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

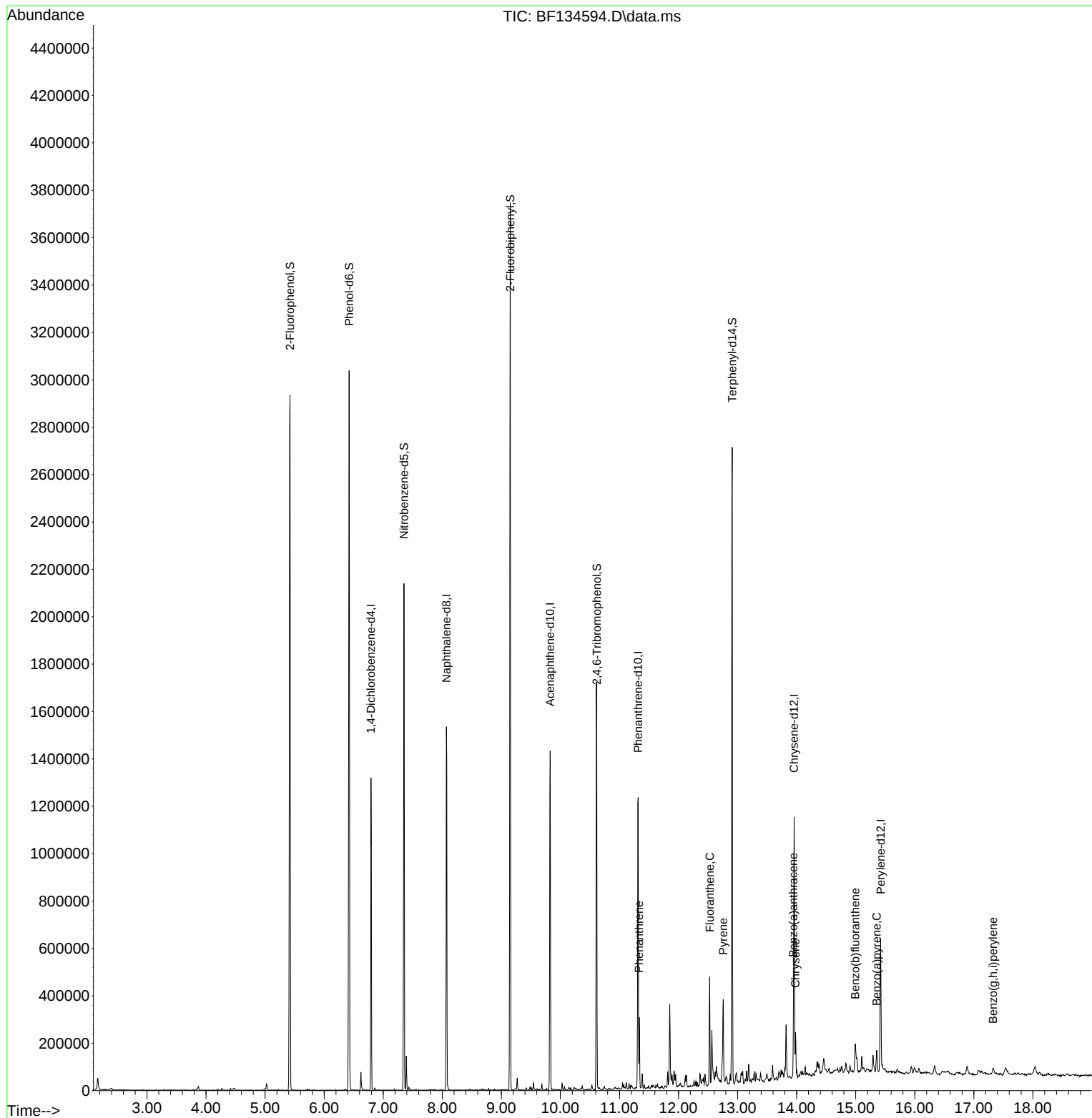
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080223\
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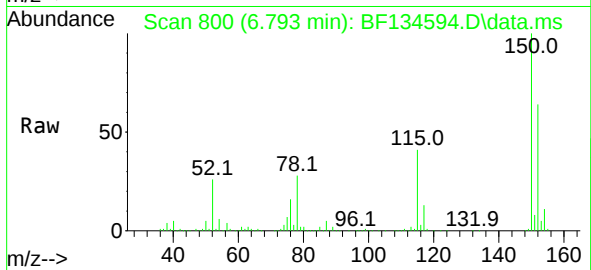
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 80
Delta R.T. 0.001 min
Lab File: BF134594.D
Acq: 02 Aug 2023 22:48

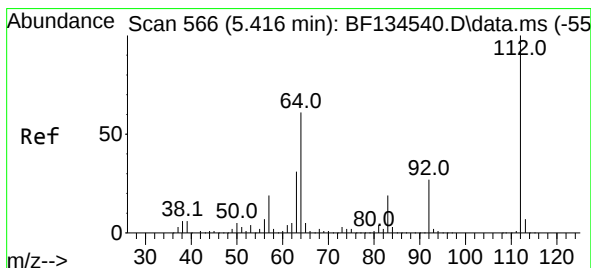
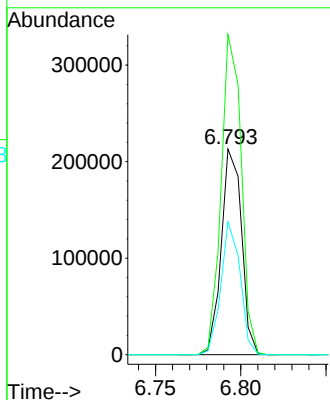
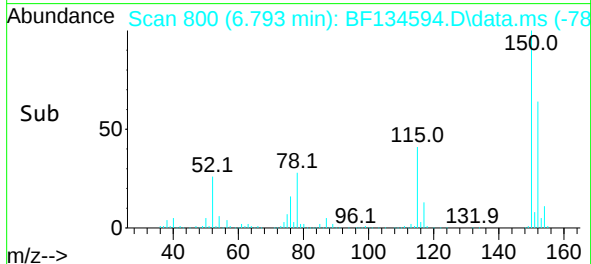
Instrument :
BNA_F
ClientSampleId :
RB-56-(0-2)



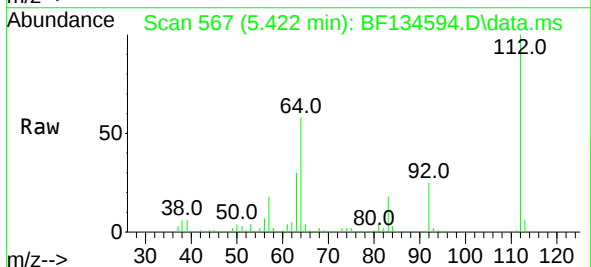
Tgt Ion:152 Resp: 175579
Ion Ratio Lower Upper
152 100
150 155.6 128.3 192.5
115 64.6 52.4 78.6

Manual Integrations
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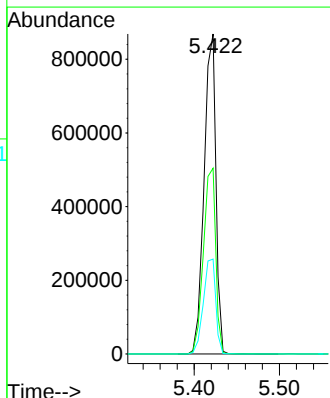
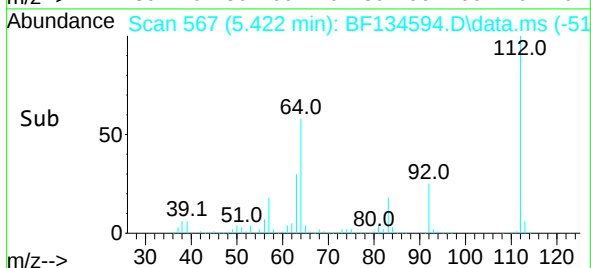
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#5
2-Fluorophenol
Concen: 72.381 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.006 min
Lab File: BF134594.D
Acq: 02 Aug 2023 22:48



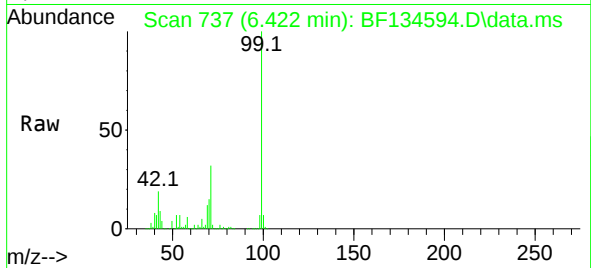
Tgt Ion:112 Resp: 836038
Ion Ratio Lower Upper
112 100
64 58.1 44.9 67.3
63 29.7 25.4 38.0





#7
Phenol-d6
Concen: 71.034 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134594.D
Acq: 02 Aug 2023 22:48

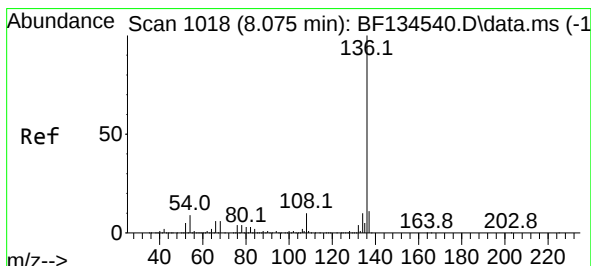
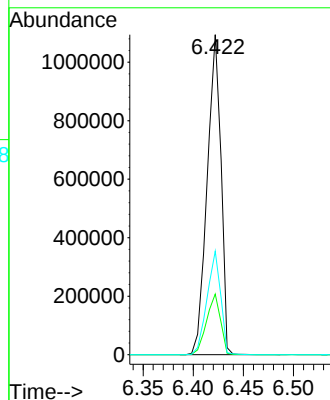
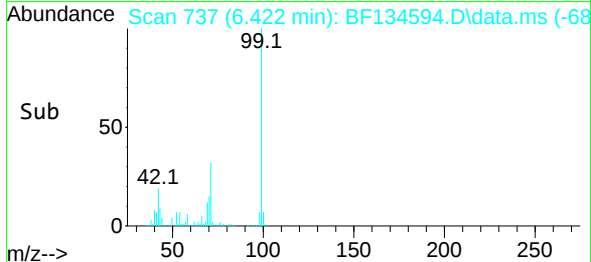
Instrument :
BNA_F
ClientSampleId :
RB-56-(0-2)



Tgt Ion: 99 Resp: 1048819
Ion Ratio Lower Upper
99 100
42 19.0 18.7 28.1
71 32.4 36.4 54.6

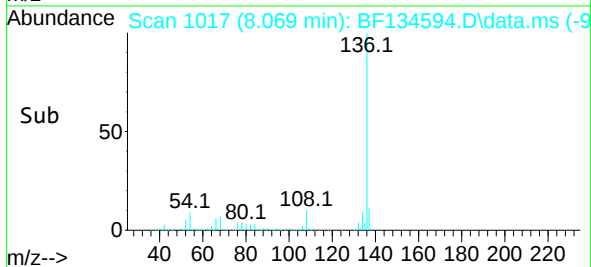
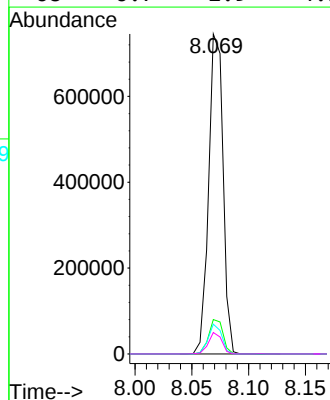
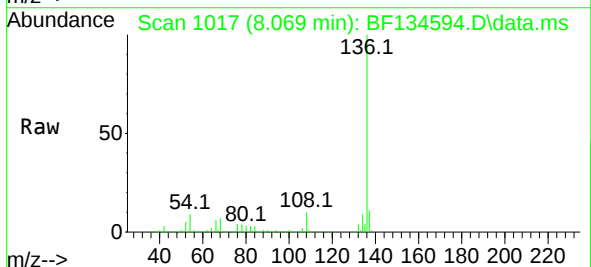
Manual Integrations
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Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134594.D
Acq: 02 Aug 2023 22:48

Tgt Ion:136 Resp: 655208
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 9.3 5.2 7.8#
68 6.7 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 58.485 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF134594.D

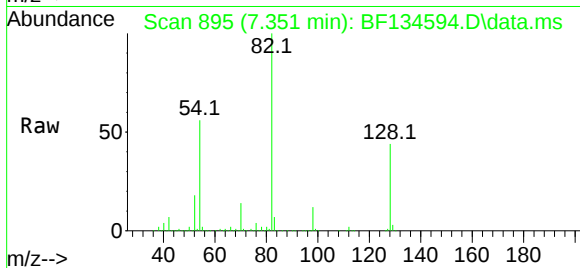
Acq: 02 Aug 2023 22:48

Instrument :

BNA_F

ClientSampleId :

RB-56-(0-2)



Tgt Ion: 82 Resp: 613184

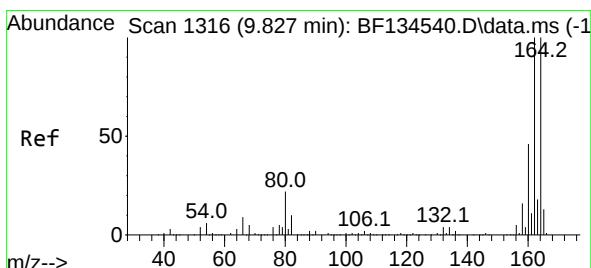
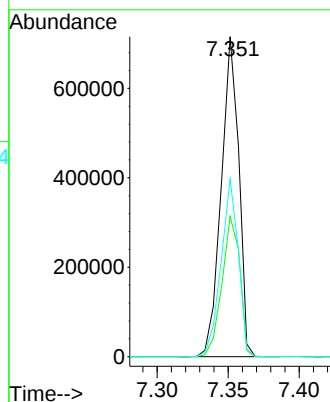
Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.3	51.5
54	55.6	43.8	65.6

Manual Integrations

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Supervised By :mohammad ahmed 08/03/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

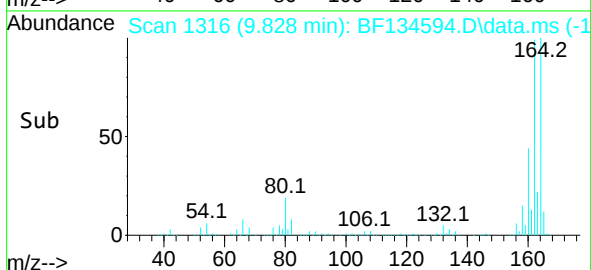
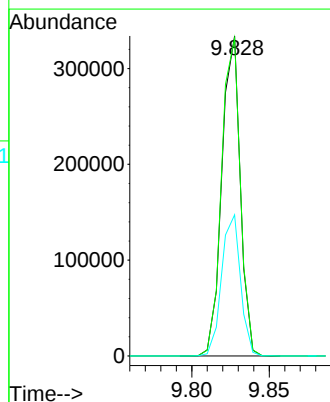
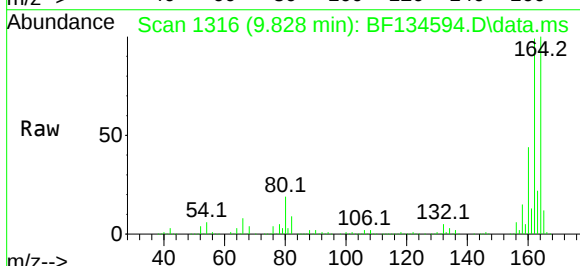
Delta R.T. 0.000 min

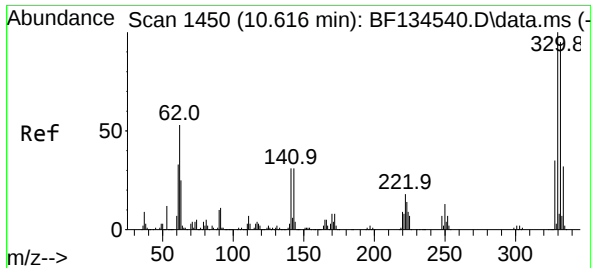
Lab File: BF134594.D

Acq: 02 Aug 2023 22:48

Tgt Ion:164 Resp: 275585

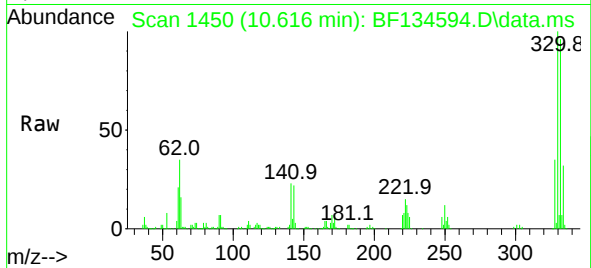
Ion	Ratio	Lower	Upper
164	100		
162	99.3	82.6	123.8
160	44.1	37.2	55.8





#42
2,4,6-Tribromophenol
Concen: 71.125 ng
RT: 10.616 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF134594.D
Acq: 02 Aug 2023 22:48

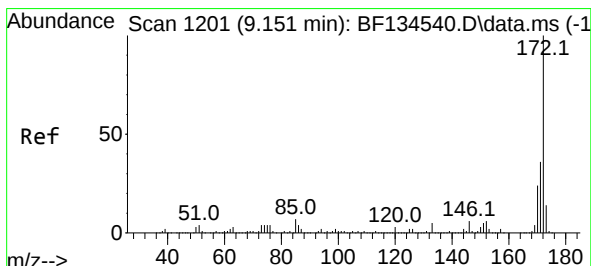
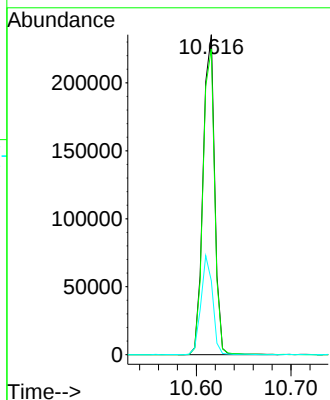
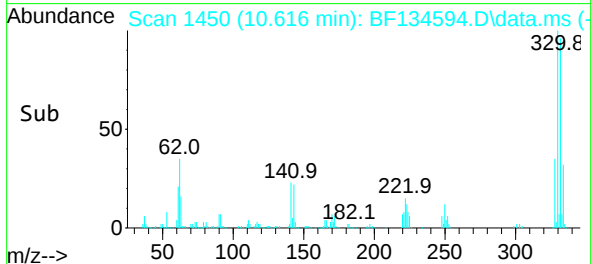
Instrument :
BNA_F
ClientSampleId :
RB-56-(0-2)



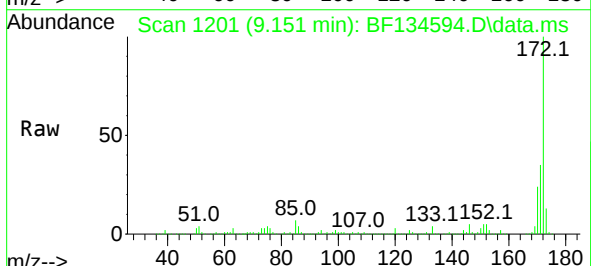
Tgt Ion: 330 Resp: 199814
Ion Ratio Lower Upper
330 100
332 96.3 78.8 118.2
141 31.2 25.4 38.2

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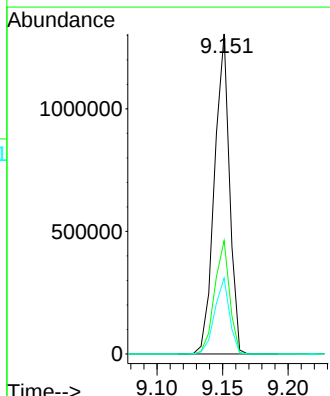
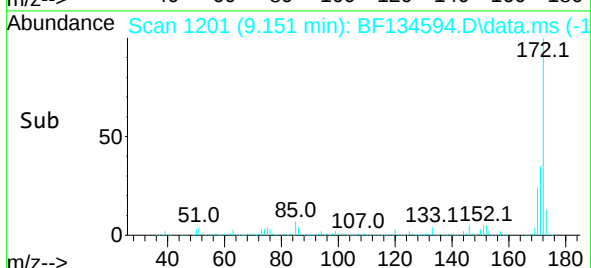
Reviewed By : Yogesh Patel 08/03/2023
Supervised By : mohammad ahmed 08/03/2023



#45
2-Fluorobiphenyl
Concen: 62.657 ng
RT: 9.151 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF134594.D
Acq: 02 Aug 2023 22:48



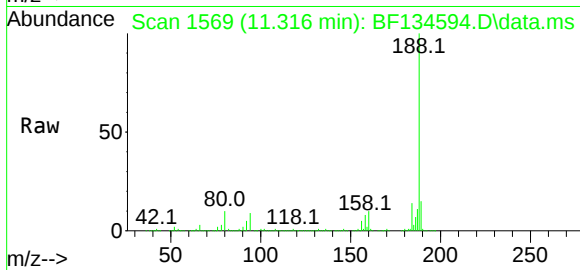
Tgt Ion: 172 Resp: 1038508
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.7 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134594.D
Acq: 02 Aug 2023 22:48

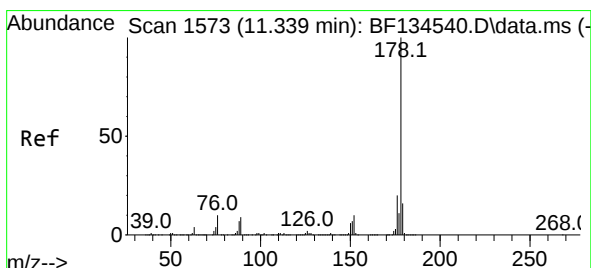
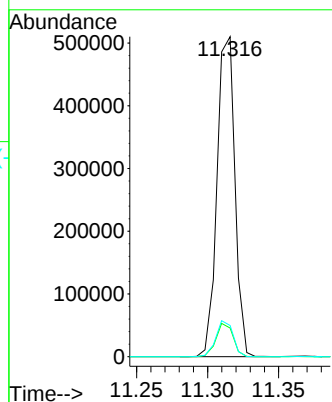
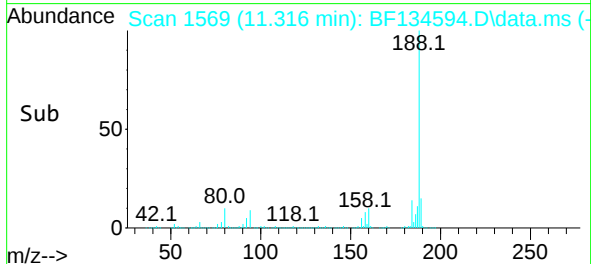
Instrument :
BNA_F
ClientSampleId :
RB-56-(0-2)



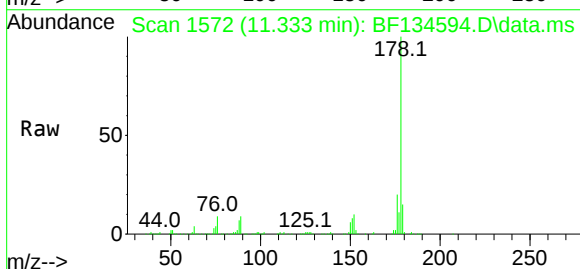
Tgt Ion:188 Resp: 445934
Ion Ratio Lower Upper
188 100
94 8.9 5.1 7.7
80 9.7 6.6 9.8

Manual Integrations
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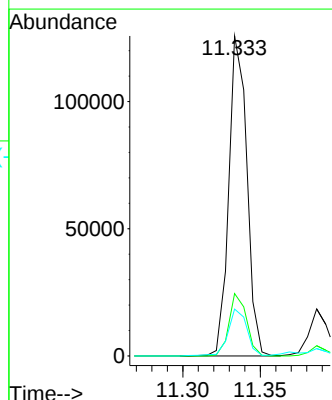
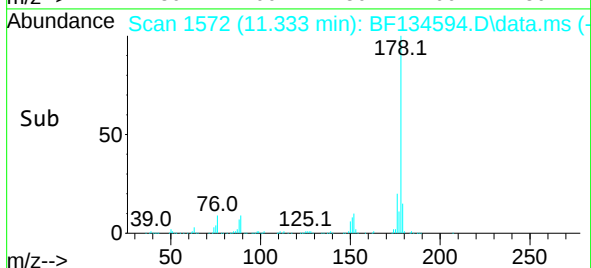
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

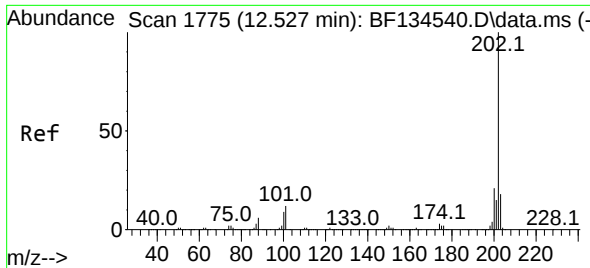


#71
Phenanthrene
Concen: 4.318 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF134594.D
Acq: 02 Aug 2023 22:48



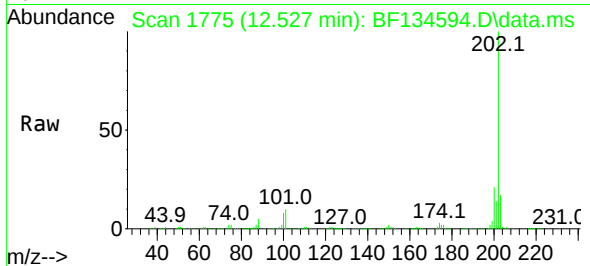
Tgt Ion:178 Resp: 102276
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 14.7 12.7 19.1





#75
Fluoranthene
Concen: 6.607 ng
RT: 12.527 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134594.D
Acq: 02 Aug 2023 22:48

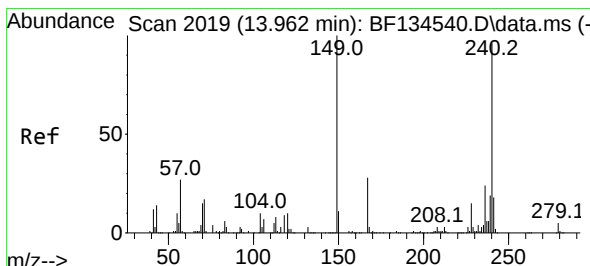
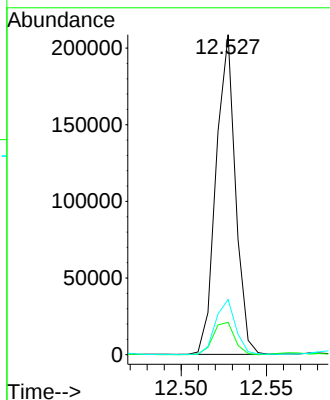
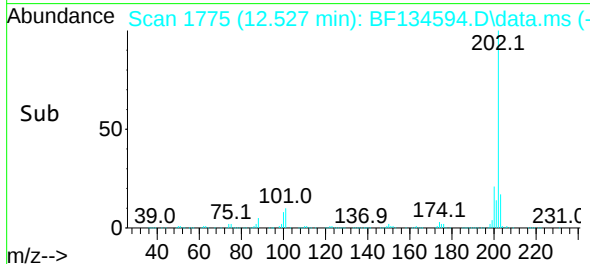
Instrument :
BNA_F
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RB-56-(0-2)



Tgt Ion:202 Resp: 165298
Ion Ratio Lower Upper
202 100
101 10.1 0.0 28.5
203 17.2 0.0 37.5

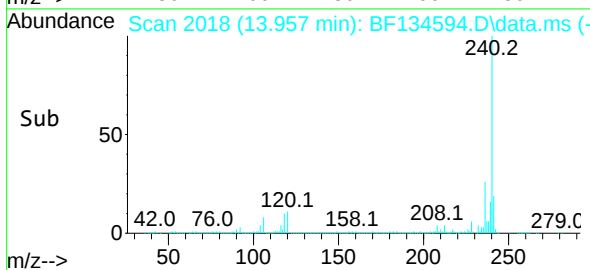
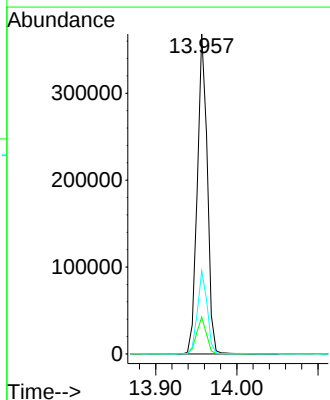
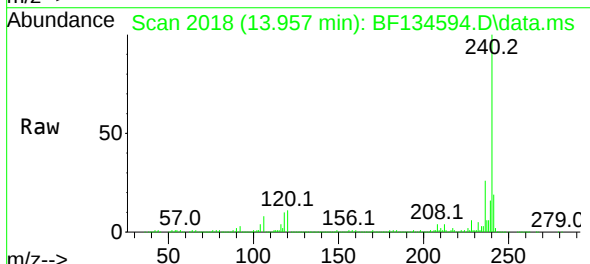
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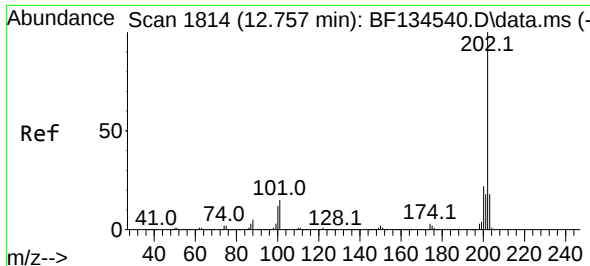
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF134594.D
Acq: 02 Aug 2023 22:48

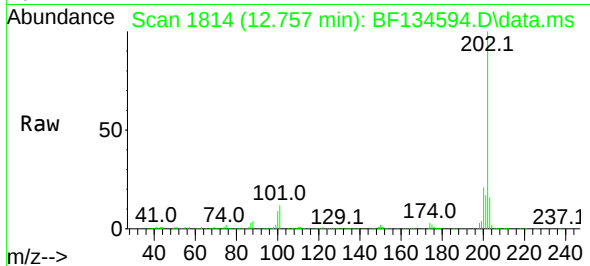
Tgt Ion:240 Resp: 316680
Ion Ratio Lower Upper
240 100
120 11.5 6.6 10.0#
236 26.0 20.2 30.2





#78
Pyrene
Concen: 5.233 ng
RT: 12.757 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF134594.D
Acq: 02 Aug 2023 22:48

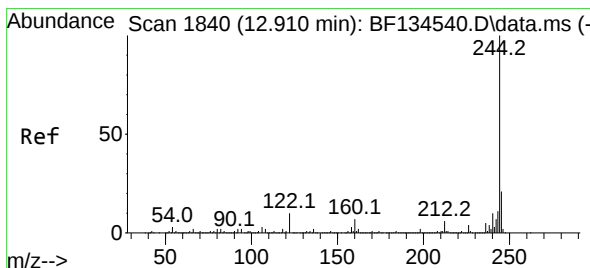
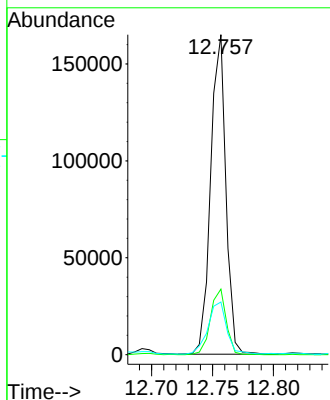
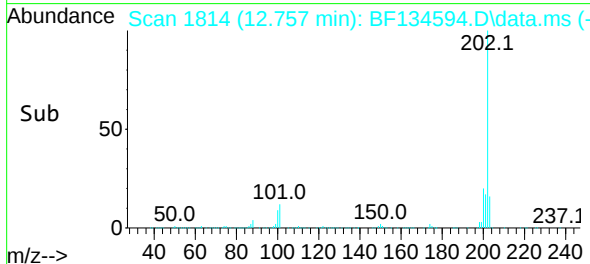
Instrument :
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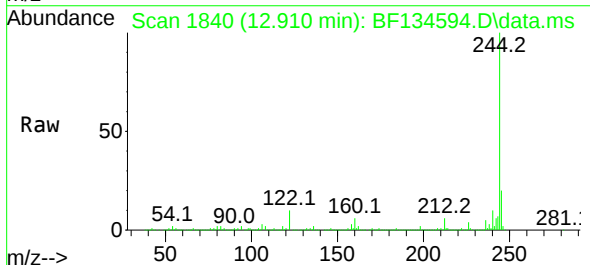
Tgt Ion:202 Resp: 143394
Ion Ratio Lower Upper
202 100
200 20.5 15.8 23.8
203 16.5 13.5 20.3

Manual Integrations
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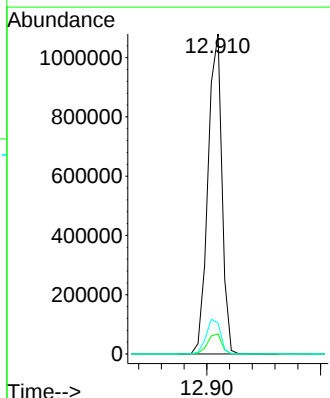
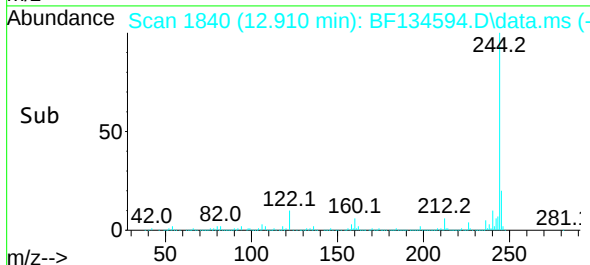
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

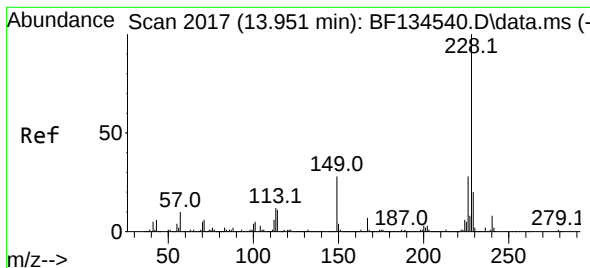


#79
Terphenyl-d14
Concen: 51.000 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF134594.D
Acq: 02 Aug 2023 22:48



Tgt Ion:244 Resp: 916153
Ion Ratio Lower Upper
244 100
212 6.2 5.6 8.4
122 9.7 8.0 12.0





#81

Benzo(a)anthracene

Concen: 3.463 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF134594.D

Acq: 02 Aug 2023 22:48

Instrument :

BNA_F

ClientSampleId :

RB-56-(0-2)

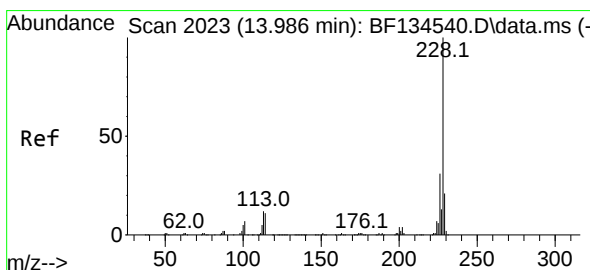
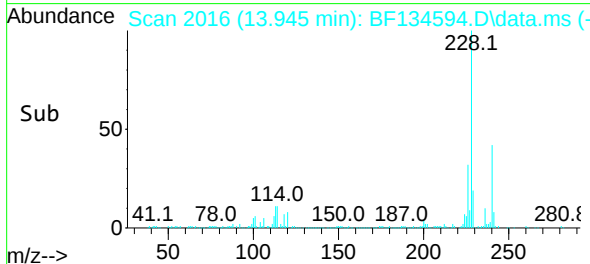
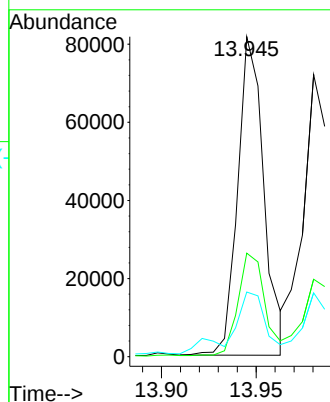
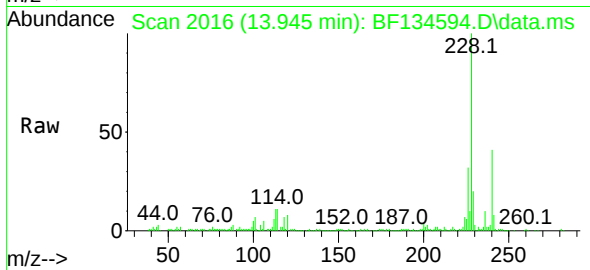
Tgt Ion:228 Resp: 78424
 Ion Ratio Lower Upper
 228 100
 226 32.4 22.3 33.5
 229 20.2 15.8 23.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#83

Chrysene

Concen: 3.139 ng

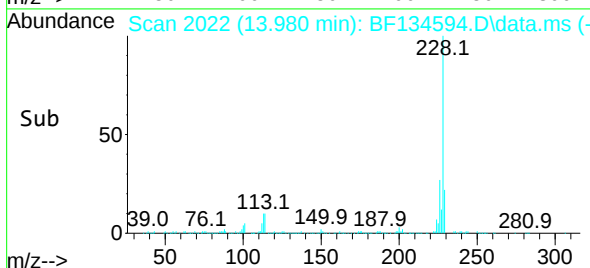
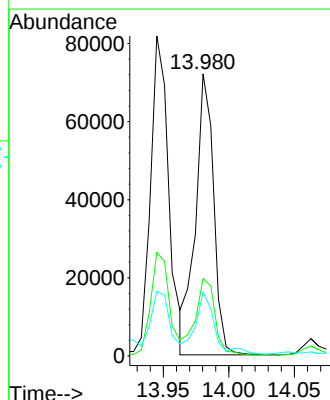
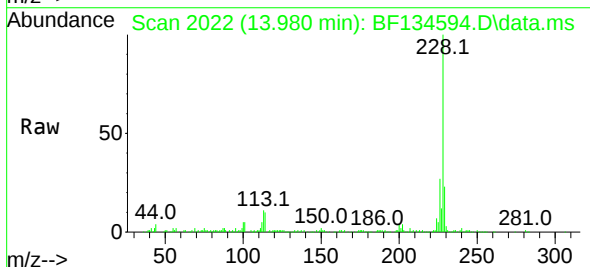
RT: 13.980 min Scan# 2022

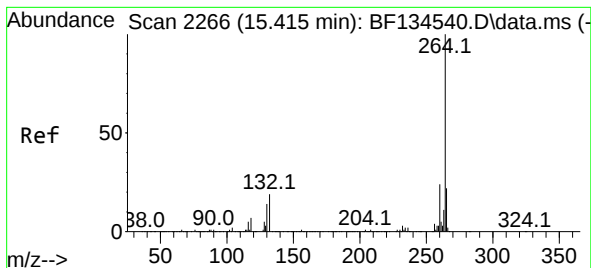
Delta R.T. -0.006 min

Lab File: BF134594.D

Acq: 02 Aug 2023 22:48

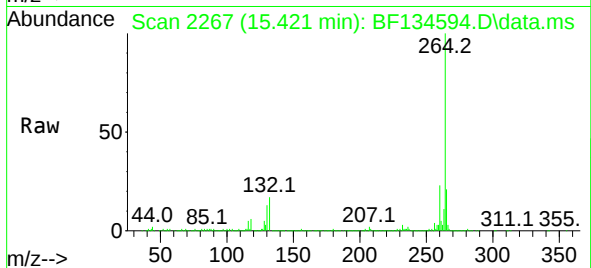
Tgt Ion:228 Resp: 69255
 Ion Ratio Lower Upper
 228 100
 226 27.4 24.5 36.7
 229 22.6 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF134594.D
Acq: 02 Aug 2023 22:48

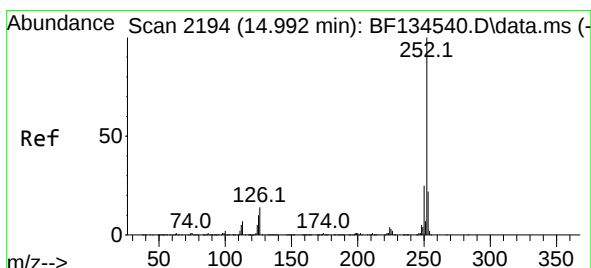
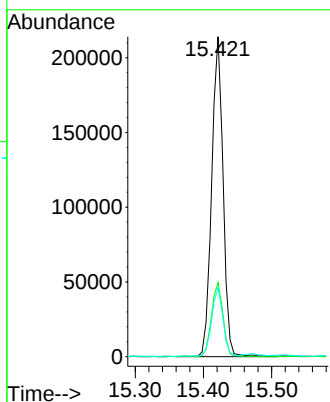
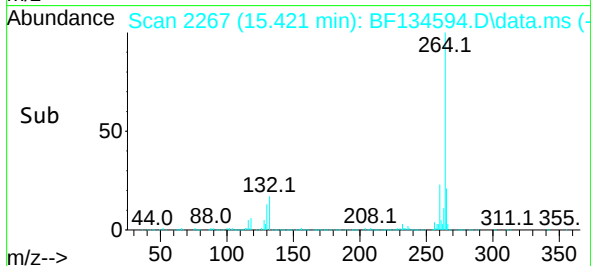
Instrument :
BNA_F
ClientSampleId :
RB-56-(0-2)



Tgt Ion:264 Resp: 249970
Ion Ratio Lower Upper
264 100
260 23.1 18.4 27.6
265 21.5 15.8 23.8

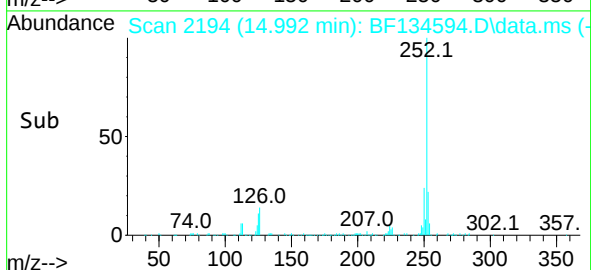
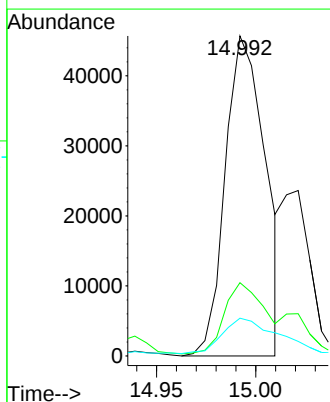
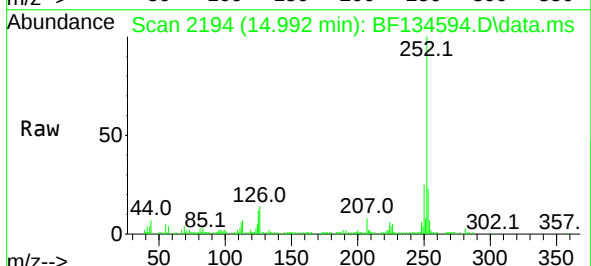
Manual Integrations
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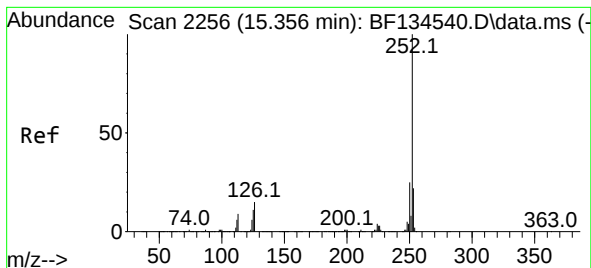
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#88
Benzo(b)fluoranthene
Concen: 4.232 ng m
RT: 14.992 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BF134594.D
Acq: 02 Aug 2023 22:48

Tgt Ion:252 Resp: 64524
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 11.8 6.0 9.0#





#90

Benzo(a)pyrene

Concen: 3.151 ng

RT: 15.357 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134594.D

Acq: 02 Aug 2023 22:48

Instrument :

BNA_F

ClientSampleId :

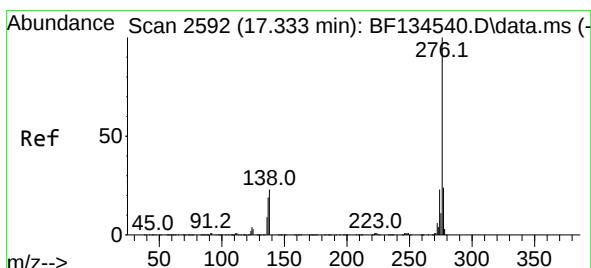
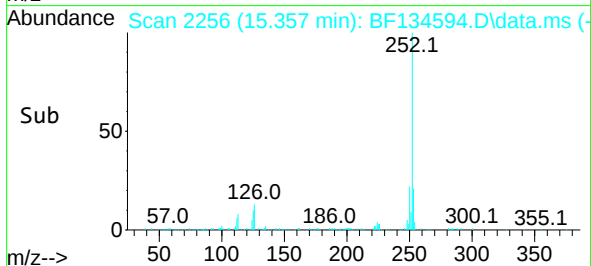
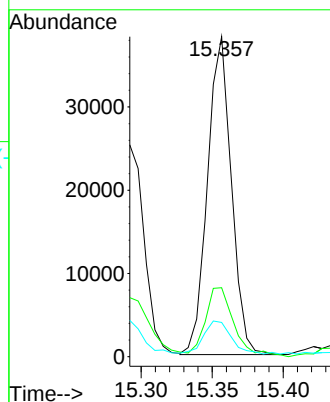
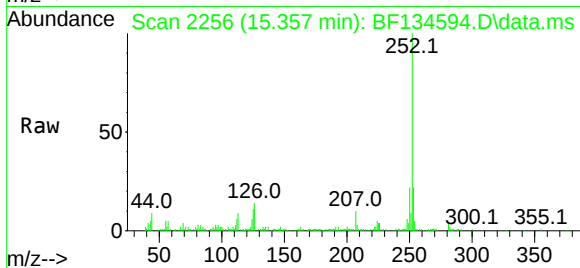
RB-56-(0-2)

Tgt Ion:252 Resp: 44784
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.0 25.4
 125 10.7 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023
 Supervised By :mohammad ahmed 08/03/2023



#92

Benzo(g,h,i)perylene

Concen: 2.049 ng

RT: 17.327 min Scan# 2591

Delta R.T. -0.006 min

Lab File: BF134594.D

Acq: 02 Aug 2023 22:48

Tgt Ion:276 Resp: 24834
 Ion Ratio Lower Upper
 276 100
 277 29.8 19.0 28.6#
 138 23.4 12.2 18.2#

