

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080223\
 Data File : BF134595.D
 Acq On : 02 Aug 2023 23:20
 Operator : CG\JU
 Sample : 03598-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-53-(0-2)

Manual Integrations
 APPROVED

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

Quant Time: Aug 03 01:52:05 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	6.792	152	175911	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	669404	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	284886	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	456917	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	313689	20.000	ng	0.00
86) Perylene-d12	15.421	264	251986	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	896347	77.456	ng	0.00
7) Phenol-d6	6.422	99	1146201	77.483	ng	0.00
23) Nitrobenzene-d5	7.351	82	657008	61.335	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	215620	74.246	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1105119	64.499	ng	0.00
79) Terphenyl-d14	12.910	244	941275	52.898	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.092	128	80897	2.405	ng	99
49) Acenaphthylene	9.686	152	52647	2.018	ng	98
55) Dibenzofuran	10.028	168	48696	2.023	ng	95
58) Fluorene	10.375	166	48833	2.785	ng	96
71) Phenanthrene	11.339	178	955920	39.388	ng	99
72) Anthracene	11.386	178	155821	6.286	ng	99
73) Carbazole	11.545	167	95877	4.332	ng	98
75) Fluoranthene	12.533	202	1341667	52.335	ng	97
78) Pyrene	12.763	202	1256736	46.299	ng	97
81) Benzo(a)anthracene	13.951	228	493217	21.989	ng	96
83) Chrysene	13.986	228	510635m	23.367	ng	
87) Indeno(1,2,3-cd)pyrene	16.892	276	184524	12.451	ng	95
88) Benzo(b)fluoranthene	14.998	252	496568m	32.311	ng	
89) Benzo(k)fluoranthene	15.021	252	145890m	9.529	ng	
90) Benzo(a)pyrene	15.357	252	324802	22.667	ng	# 95
91) Dibenzo(a,h)anthracene	16.904	278	41631	3.476	ng	# 93
92) Benzo(g,h,i)perylene	17.333	276	171502	14.038	ng	# 93

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

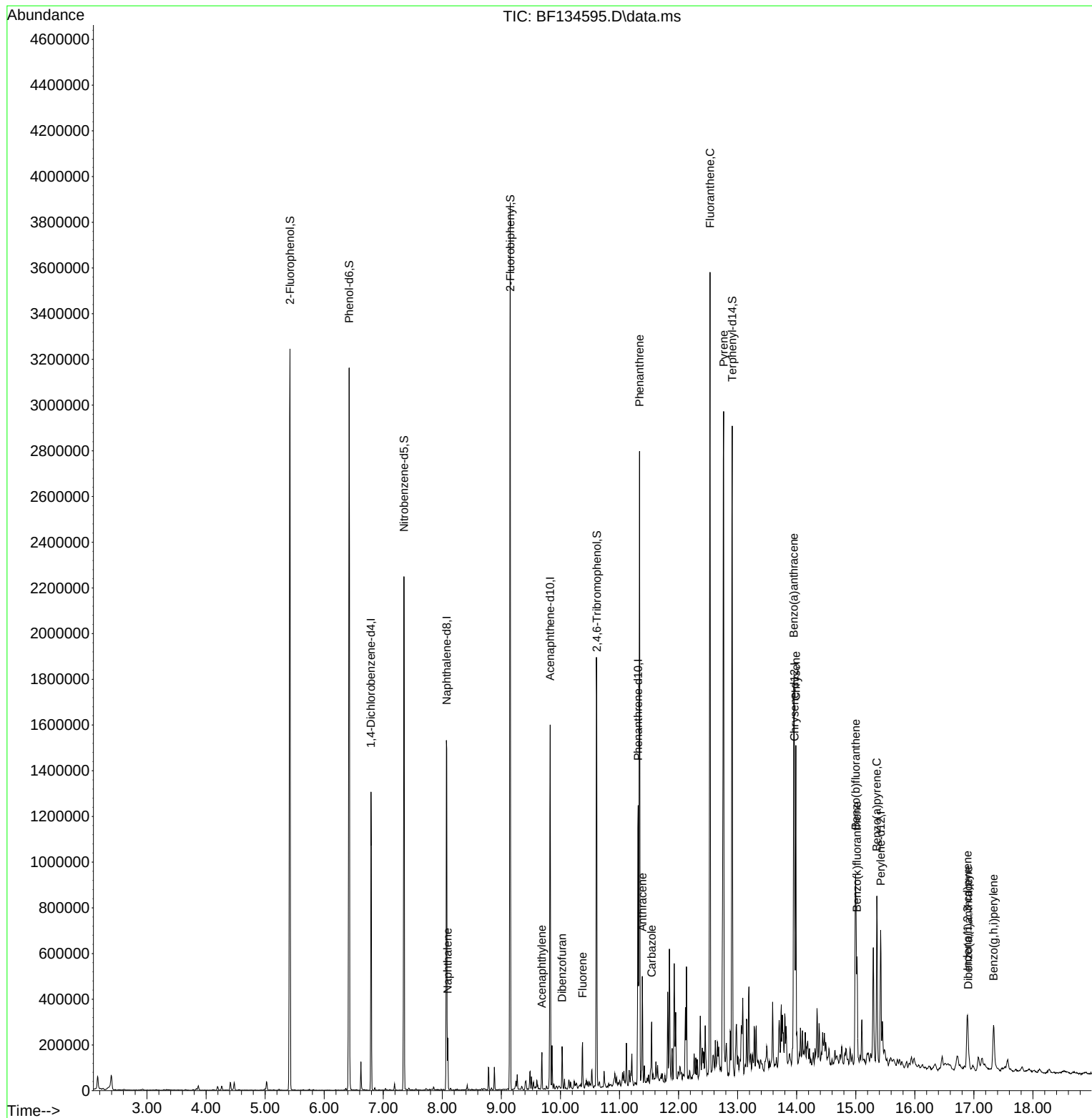
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080223\
Data File : BF134595.D
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ALS Vial : 26 Sample Multiplier: 1

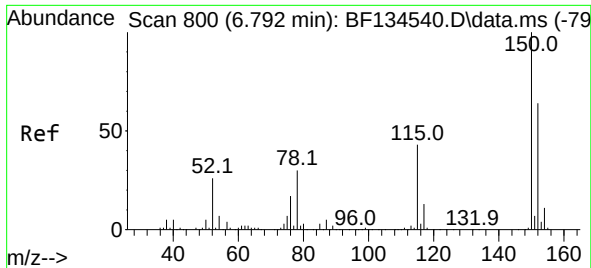
Instrument :
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Quant Time: Aug 03 01:52:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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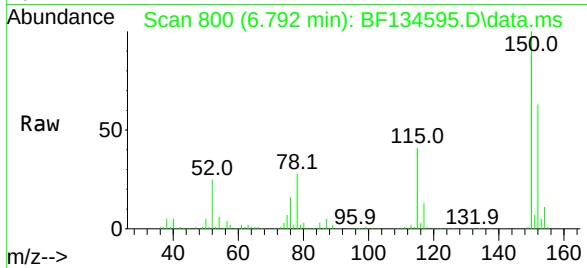
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20

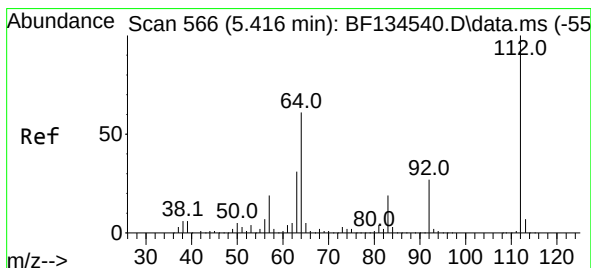
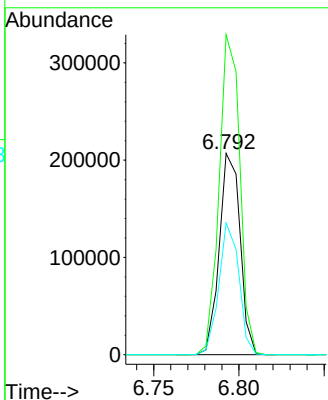
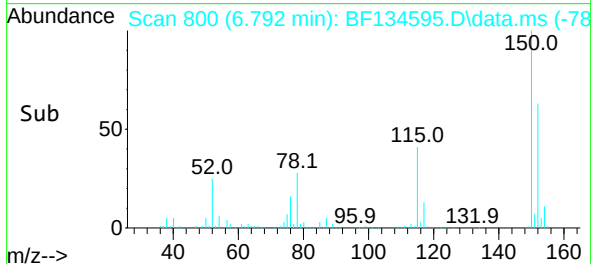
Instrument :
BNA_F
ClientSampleId :
RB-53-(0-2)



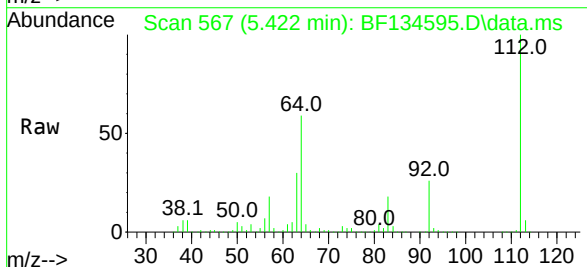
Tgt Ion:152 Resp: 17591
Ion Ratio Lower Upper
152 100
150 159.0 128.3 192.5
115 65.5 52.4 78.6

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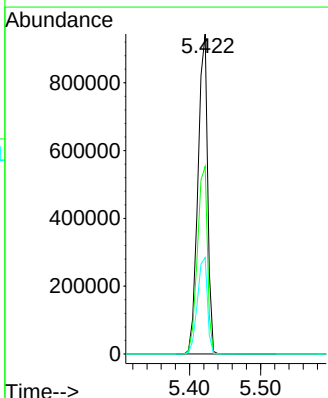
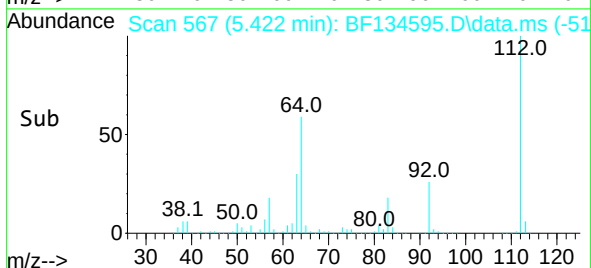
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

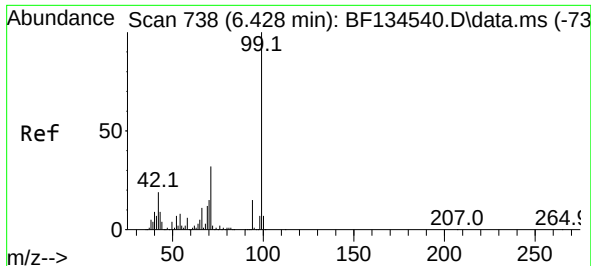


#5
2-Fluorophenol
Concen: 77.456 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.006 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20



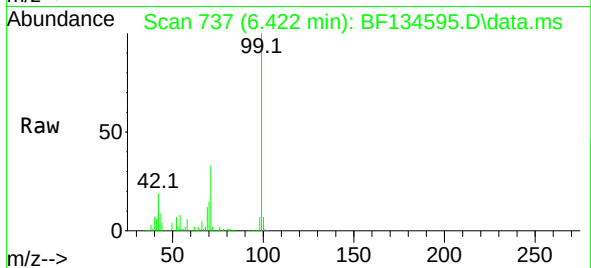
Tgt Ion:112 Resp: 896347
Ion Ratio Lower Upper
112 100
64 58.6 44.9 67.3
63 30.1 25.4 38.0





#7
Phenol-d6
Concen: 77.483 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20

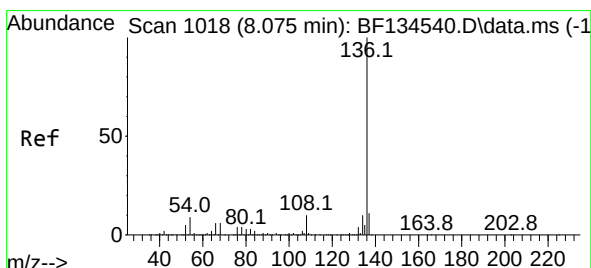
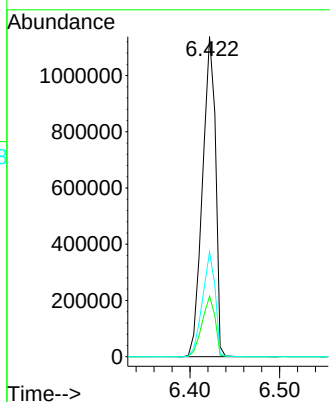
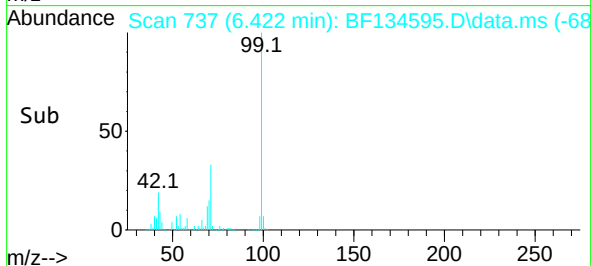
Instrument :
BNA_F
ClientSampleId :
RB-53-(0-2)



Tgt Ion: 99 Resp: 114620
Ion Ratio Lower Upper
99 100
42 18.9 18.7 28.1
71 32.8 36.4 54.6

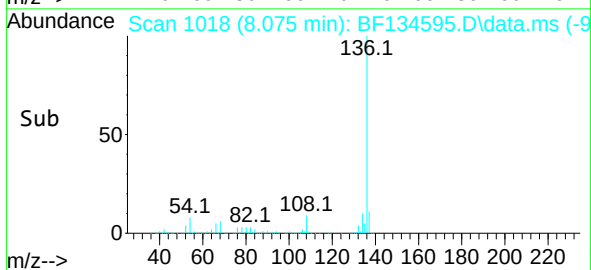
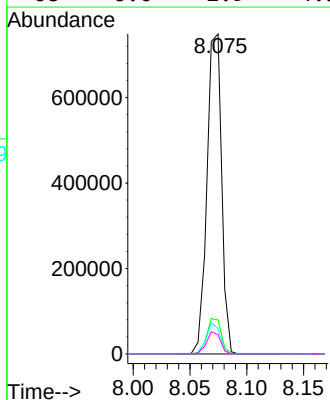
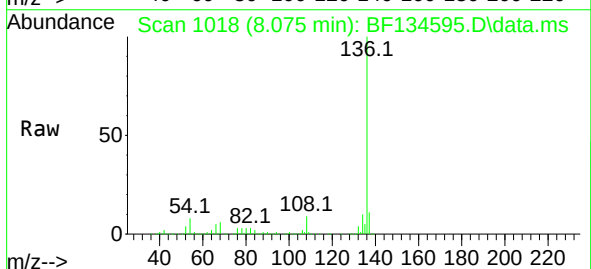
Manual Integrations
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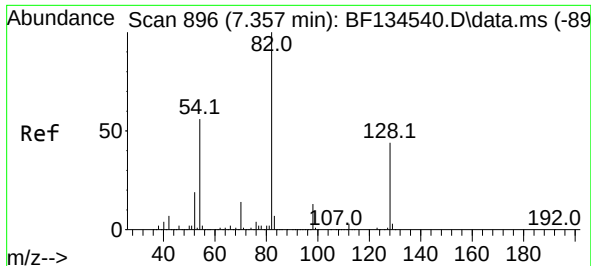
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20

Tgt Ion:136 Resp: 669404
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 7.9 5.2 7.8#
68 6.0 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 61.335 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF134595.D

Acq: 02 Aug 2023 23:20

Instrument :

BNA_F

ClientSampleId :

RB-53-(0-2)

Tgt Ion: 82 Resp: 657008

Ion Ratio Lower Upper

82 100

128 44.5 34.3 51.5

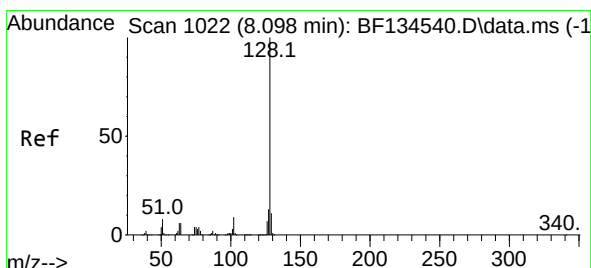
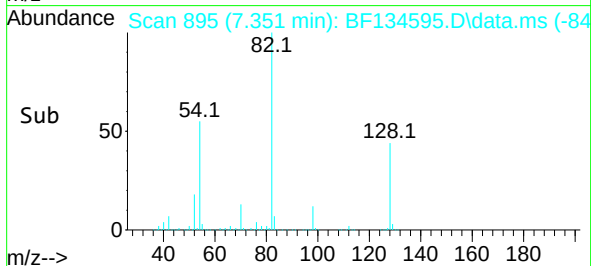
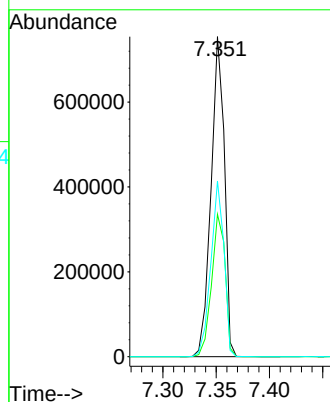
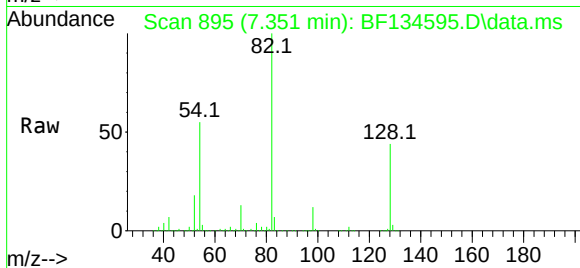
54 54.9 43.8 65.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#31

Naphthalene

Concen: 2.405 ng

RT: 8.092 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF134595.D

Acq: 02 Aug 2023 23:20

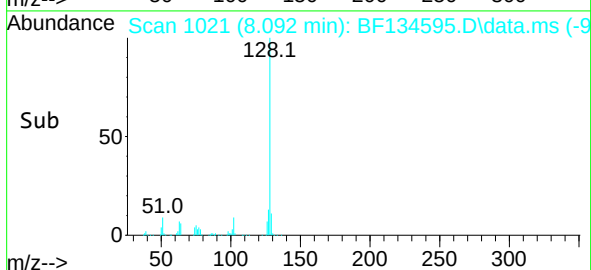
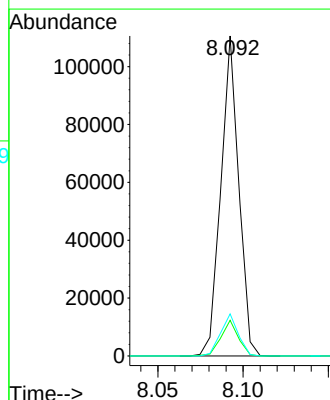
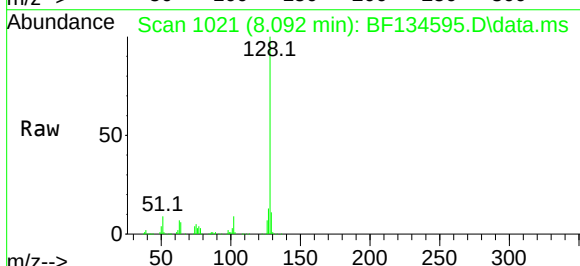
Tgt Ion:128 Resp: 80897

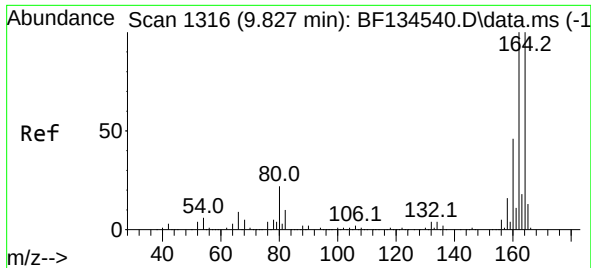
Ion Ratio Lower Upper

128 100

129 11.1 8.4 12.6

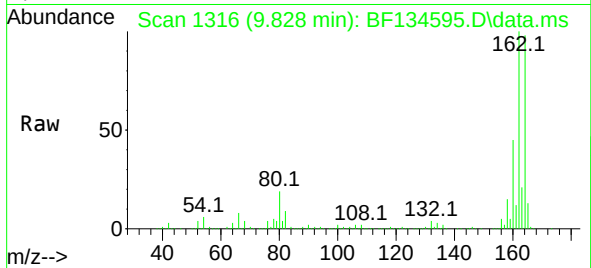
127 13.2 10.7 16.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20

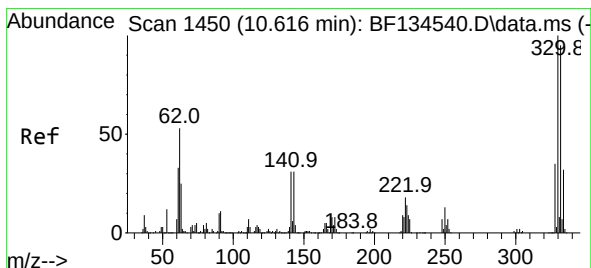
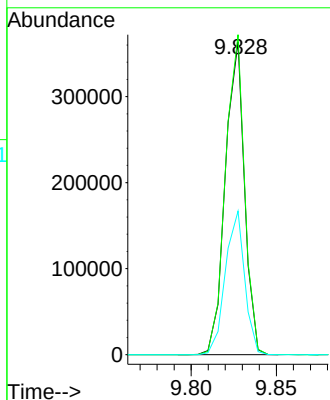
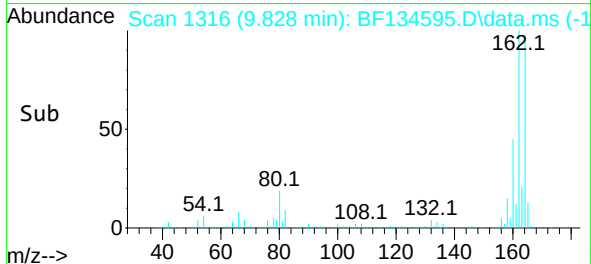
Instrument :
BNA_F
ClientSampleId :
RB-53-(0-2)



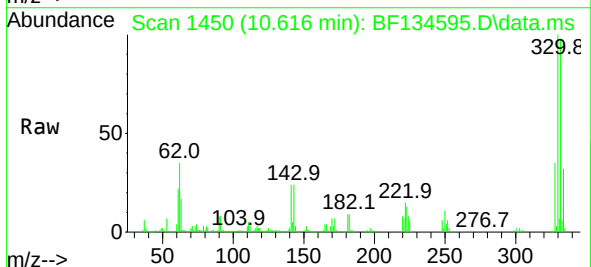
Tgt Ion:164 Resp: 284880
Ion Ratio Lower Upper
164 100
162 102.3 82.6 123.8
160 45.9 37.2 55.8

Manual Integrations
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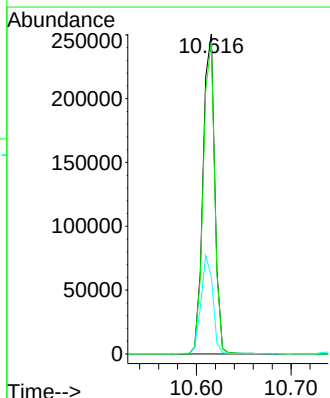
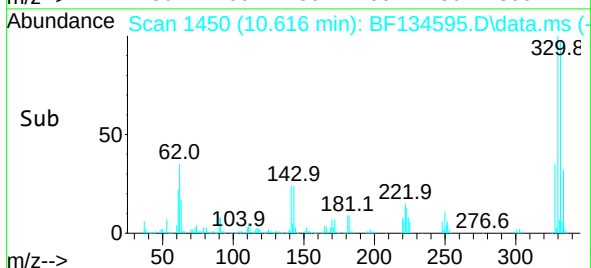
Reviewed By :Yogesh Patel 08/03/2023
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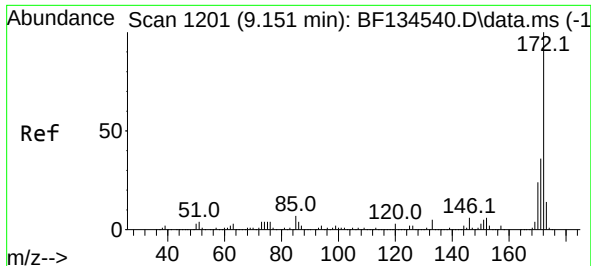


#42
2,4,6-Tribromophenol
Concen: 74.246 ng
RT: 10.616 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20



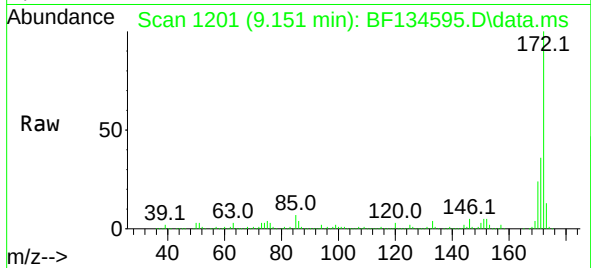
Tgt Ion:330 Resp: 215620
Ion Ratio Lower Upper
330 100
332 96.3 78.8 118.2
141 30.8 25.4 38.2





#45
2-Fluorobiphenyl
Concen: 64.499 ng
RT: 9.151 min Scan# 1105119
Delta R.T. 0.000 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20

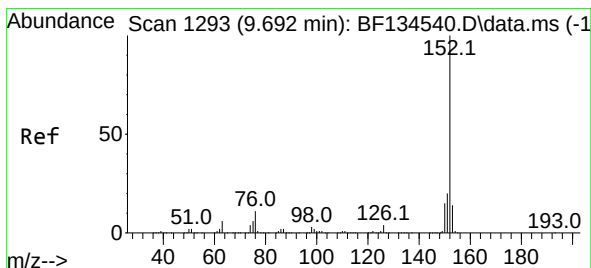
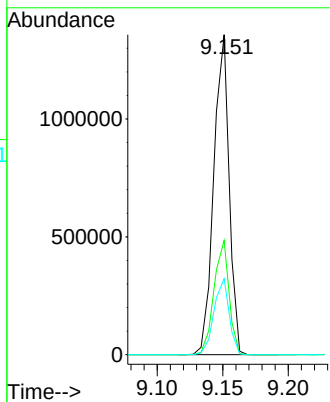
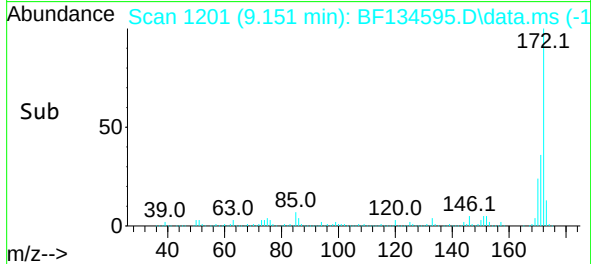
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ClientSampleId :
RB-53-(0-2)



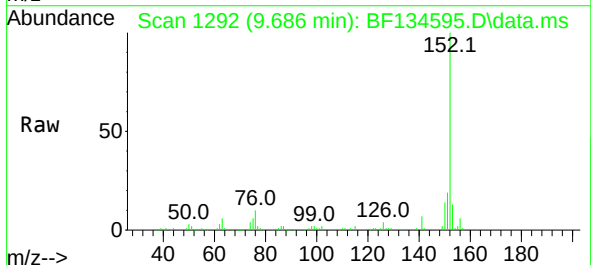
Tgt Ion:172 Resp: 1105119
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.8 18.7 28.1

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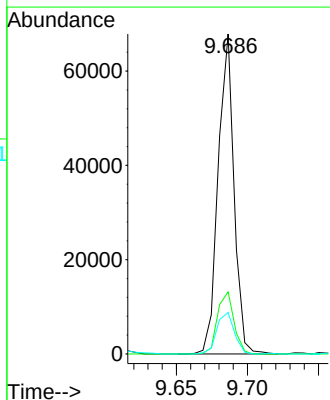
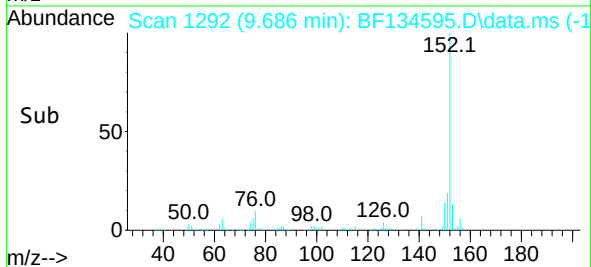
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

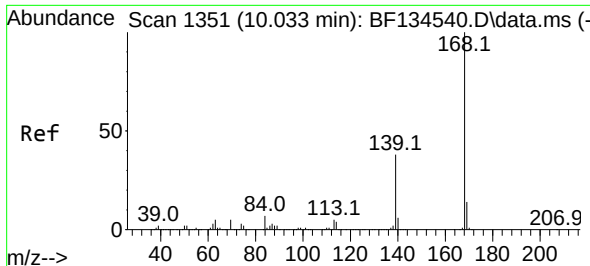


#49
Acenaphthylene
Concen: 2.018 ng
RT: 9.686 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20



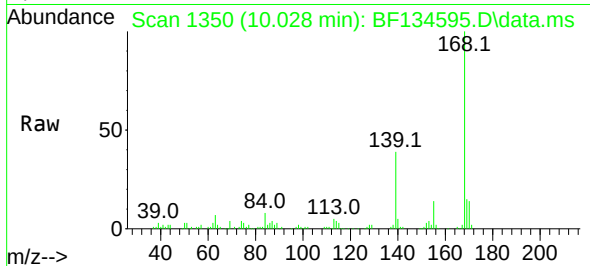
Tgt Ion:152 Resp: 52647
Ion Ratio Lower Upper
152 100
151 19.4 16.4 24.6
153 12.9 10.9 16.3





#55
Dibenzenofuran
Concen: 2.023 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20

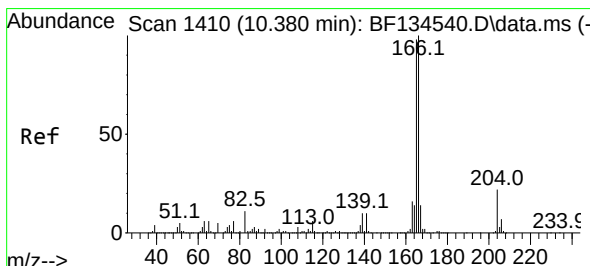
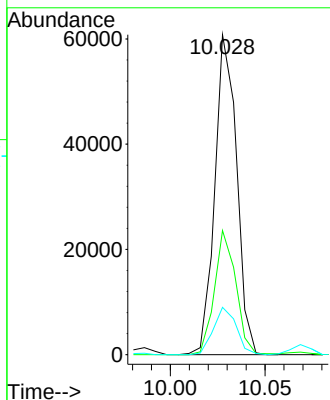
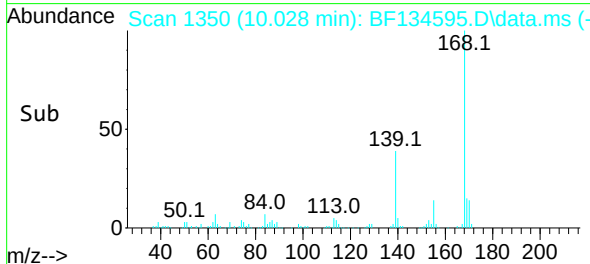
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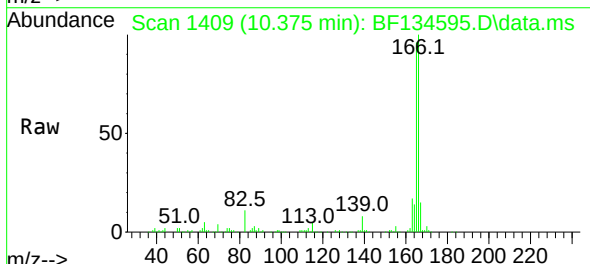
Tgt Ion:168 Resp: 48690
Ion Ratio Lower Upper
168 100
139 38.8 33.4 50.2
169 14.8 10.6 15.8

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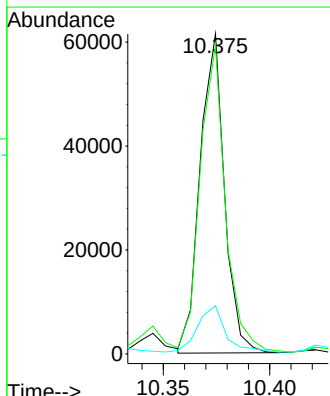
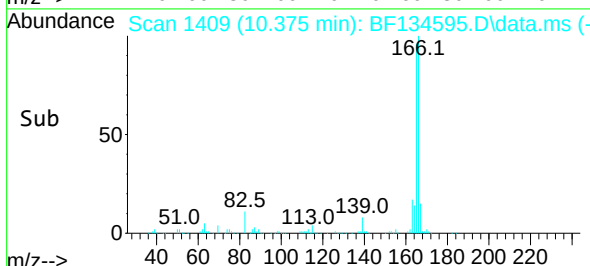
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

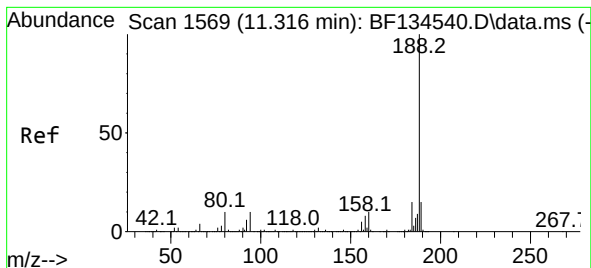


#58
Fluorene
Concen: 2.785 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.005 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20



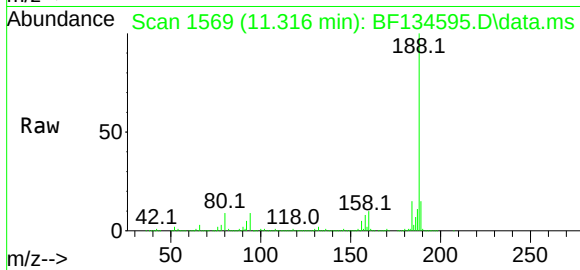
Tgt Ion:166 Resp: 48833
Ion Ratio Lower Upper
166 100
165 96.4 74.5 111.7
167 15.1 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20

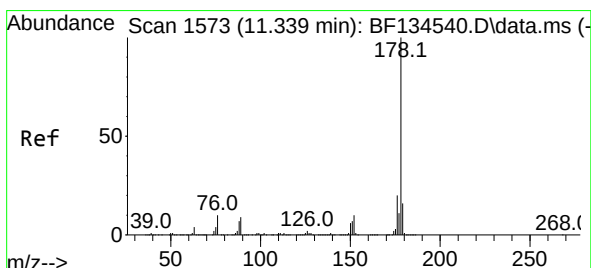
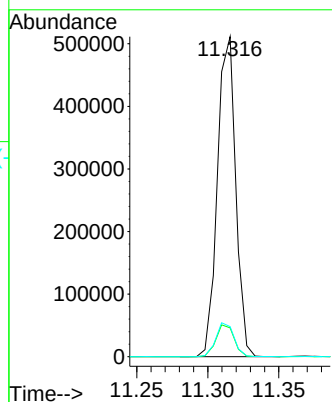
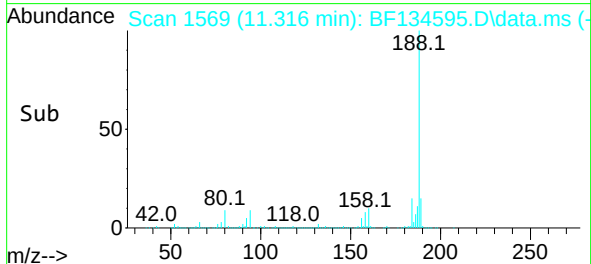
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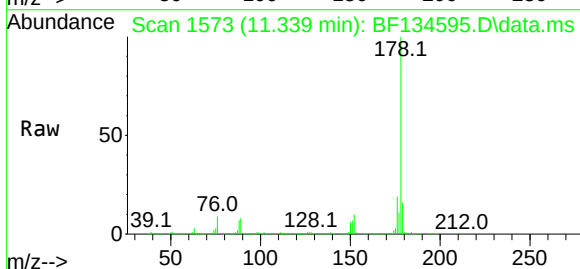
Tgt Ion:188 Resp: 456917
Ion Ratio Lower Upper
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80 9.4 6.6 9.8

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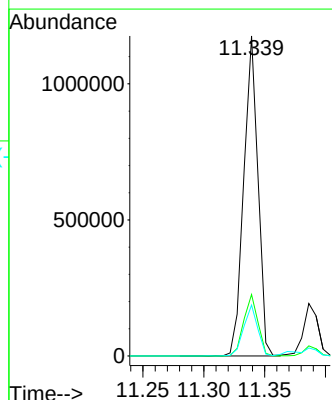
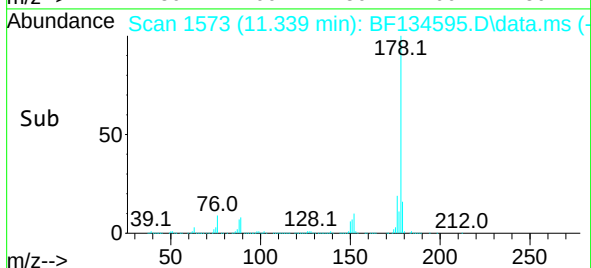
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

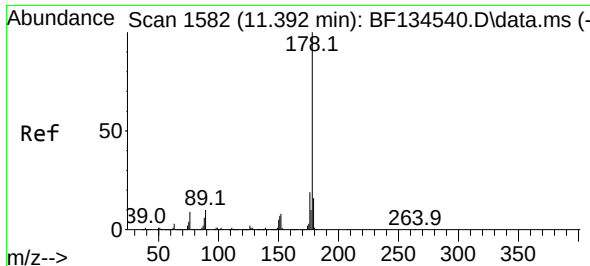


#71
Phenanthrene
Concen: 39.388 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20



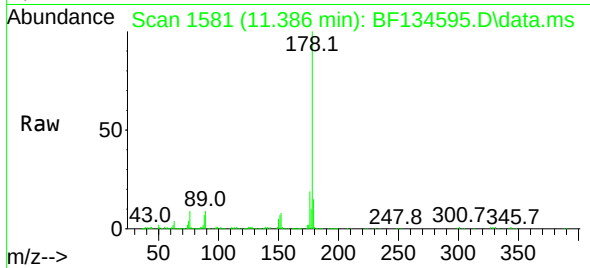
Tgt Ion:178 Resp: 955920
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.9 12.7 19.1





#72
 Anthracene
 Concen: 6.286 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134595.D
 Acq: 02 Aug 2023 23:20

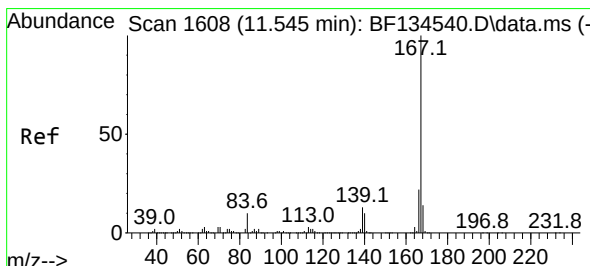
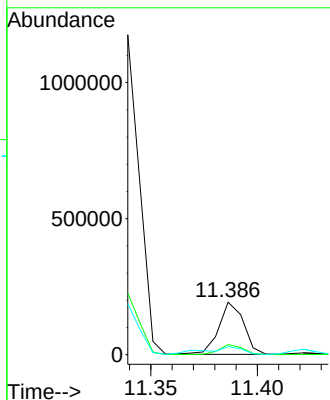
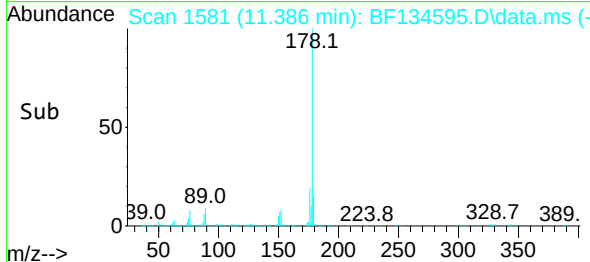
Instrument :
 BNA_F
 ClientSampleId :
 RB-53-(0-2)



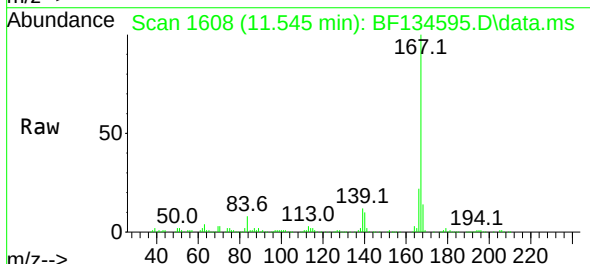
Tgt Ion:178 Resp: 15582
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.6 21.8
 179 15.2 12.3 18.5

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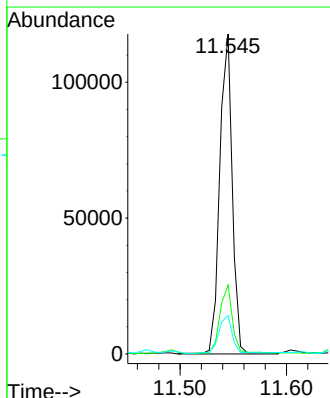
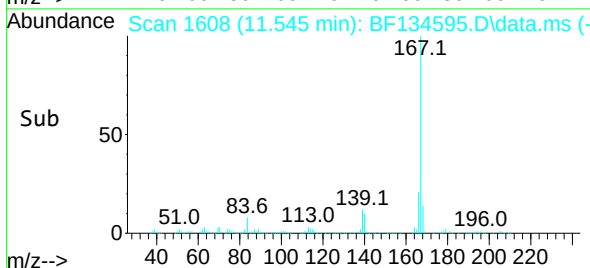
Reviewed By :Yogesh Patel 08/03/2023
 Supervised By :mohammad ahmed 08/03/2023

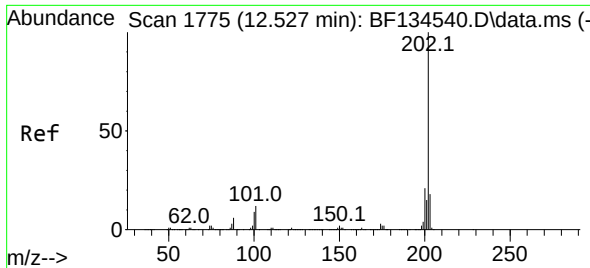


#73
 Carbazole
 Concen: 4.332 ng
 RT: 11.545 min Scan# 1608
 Delta R.T. 0.000 min
 Lab File: BF134595.D
 Acq: 02 Aug 2023 23:20



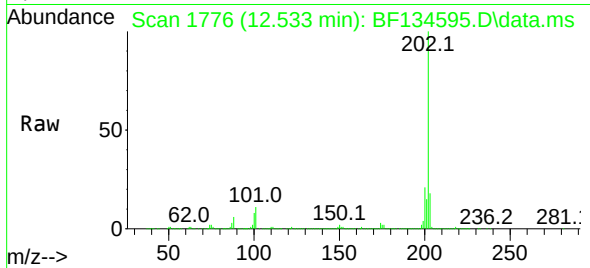
Tgt Ion:167 Resp: 95877
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.5 26.3
 139 11.9 11.0 16.4





#75
Fluoranthene
Concen: 52.335 ng
RT: 12.533 min Scan# 1776
Delta R.T. 0.006 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20

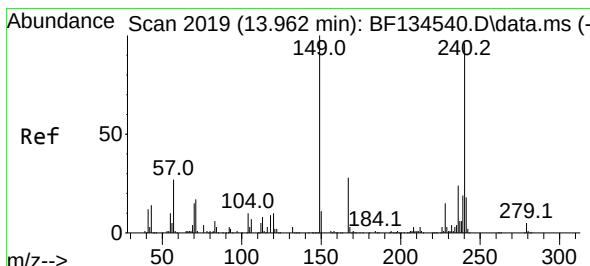
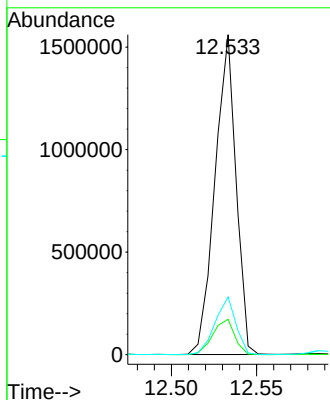
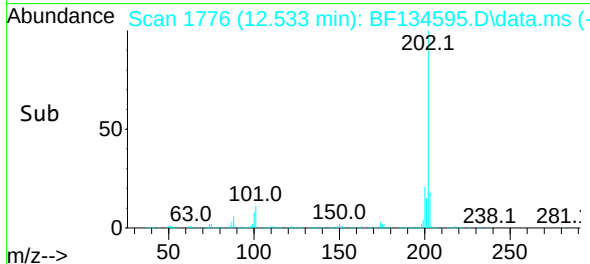
Instrument :
BNA_F
ClientSampleId :
RB-53-(0-2)



Tgt Ion:202 Resp: 134166
Ion Ratio Lower Upper
202 100
101 11.1 0.0 28.5
203 18.0 0.0 37.5

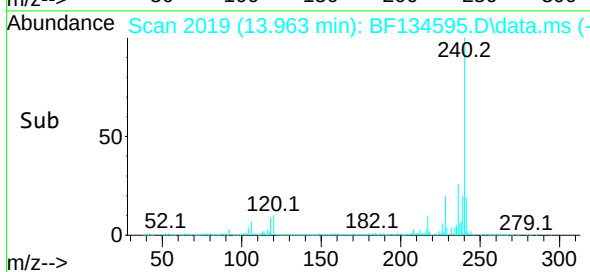
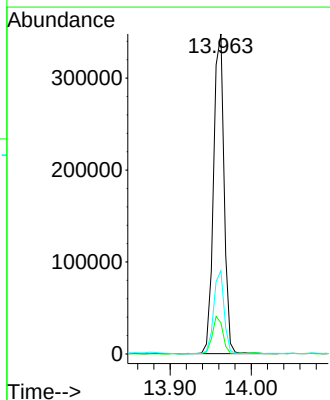
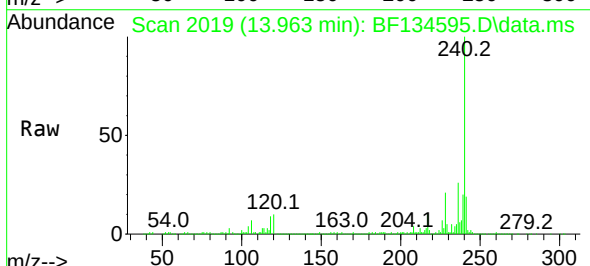
Manual Integrations
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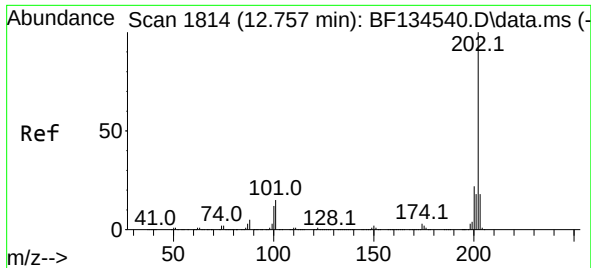
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20

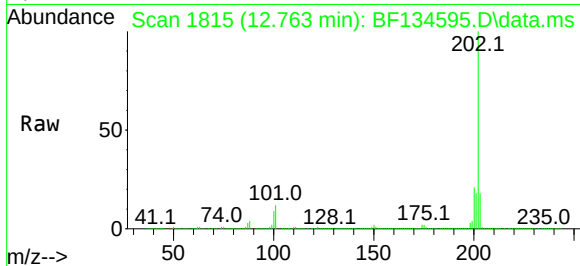
Tgt Ion:240 Resp: 313689
Ion Ratio Lower Upper
240 100
120 9.7 6.6 10.0
236 26.0 20.2 30.2





#78
Pyrene
Concen: 46.299 ng
RT: 12.763 min Scan# 1815
Delta R.T. 0.006 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20

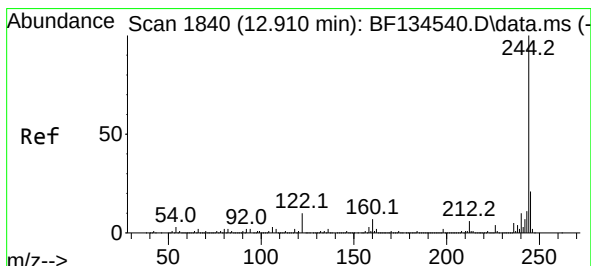
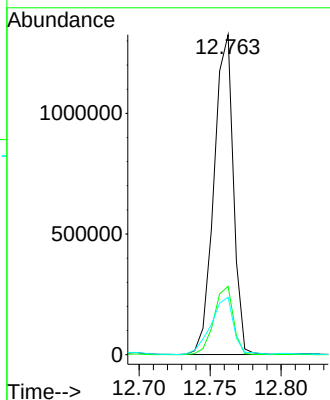
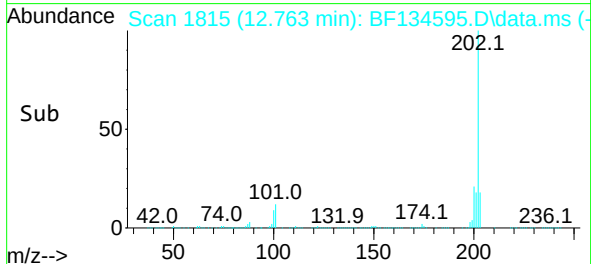
Instrument :
BNA_F
ClientSampleId :
RB-53-(0-2)



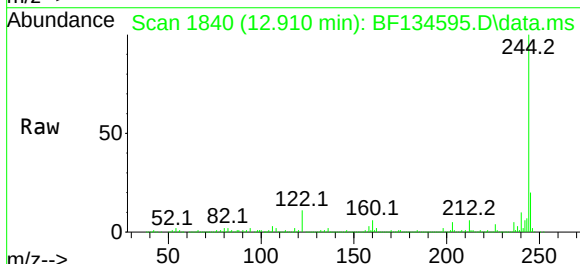
Tgt Ion:202 Resp: 1256730
Ion Ratio Lower Upper
202 100
200 21.3 15.8 23.8
203 18.0 13.5 20.3

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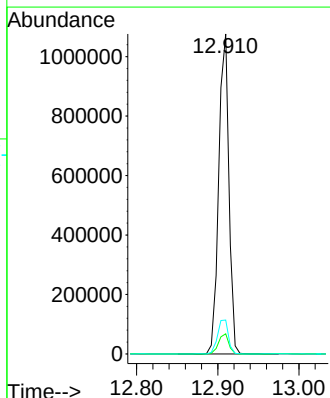
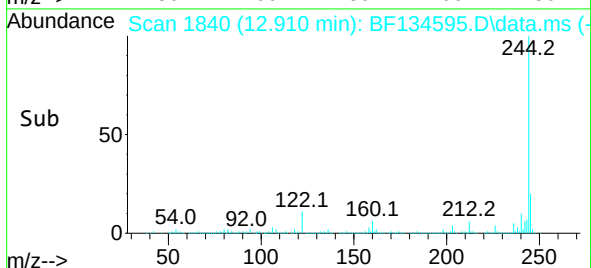
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

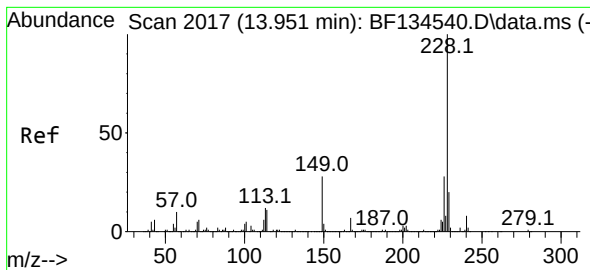


#79
Terphenyl-d14
Concen: 52.898 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20



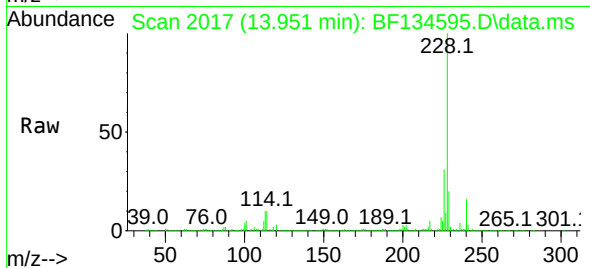
Tgt Ion:244 Resp: 941275
Ion Ratio Lower Upper
244 100
212 6.3 5.6 8.4
122 10.6 8.0 12.0





#81
Benzo(a)anthracene
Concen: 21.989 ng
RT: 13.951 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20

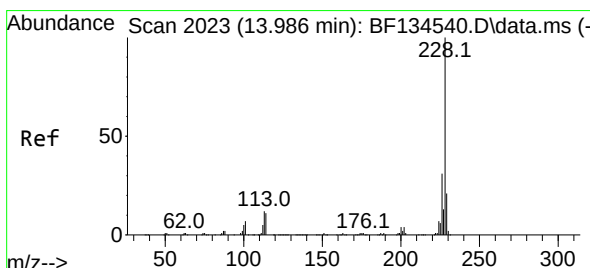
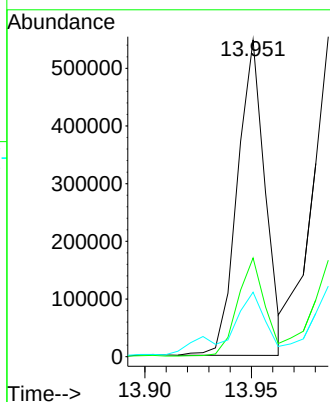
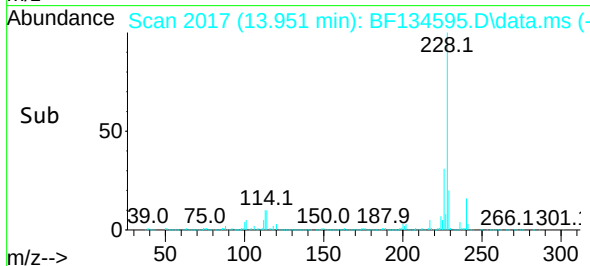
Instrument :
BNA_F
ClientSampleId :
RB-53-(0-2)



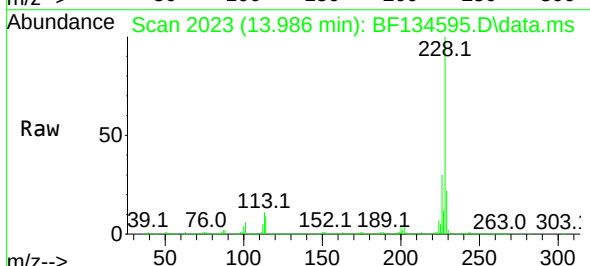
Tgt Ion:228 Resp: 49321
Ion Ratio Lower Upper
228 100
226 31.2 22.3 33.5
229 20.4 15.8 23.6

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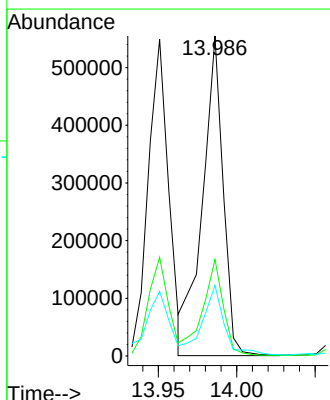
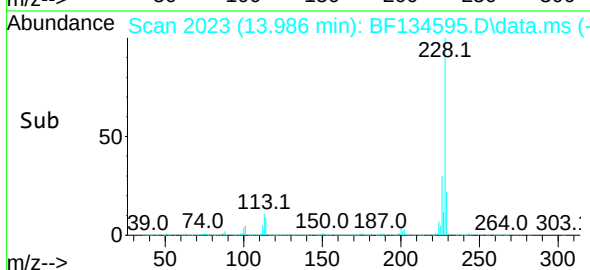
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

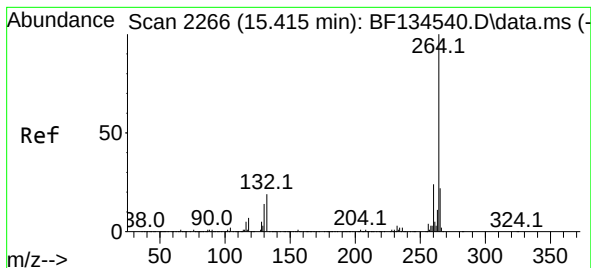


#83
Chrysene
Concen: 23.367 ng m
RT: 13.986 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20



Tgt Ion:228 Resp: 510635
Ion Ratio Lower Upper
228 100
226 30.1 24.5 36.7
229 22.0 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134595.D

Acq: 02 Aug 2023 23:20

Instrument :

BNA_F

ClientSampleId :

RB-53-(0-2)

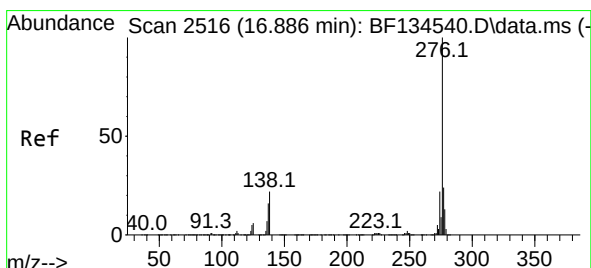
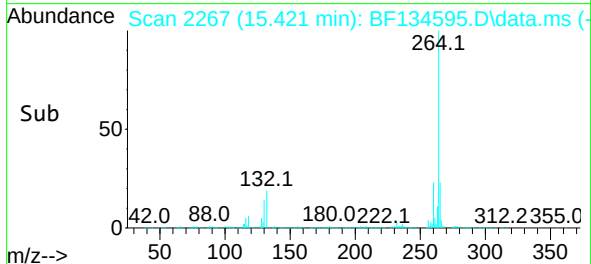
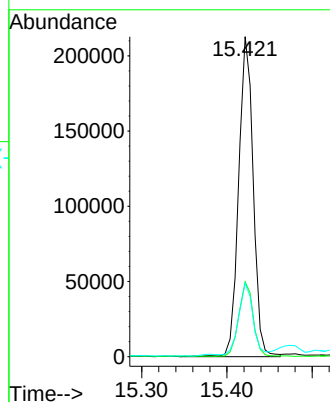
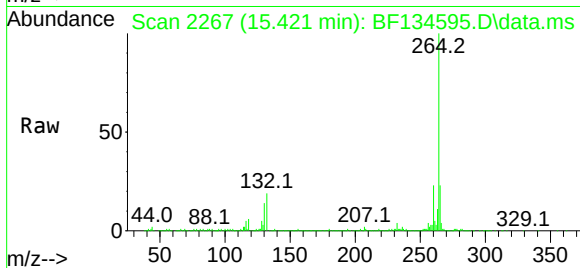
Tgt Ion:	264	Resp:	251980
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.4	27.6
265	22.9	15.8	23.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.451 ng

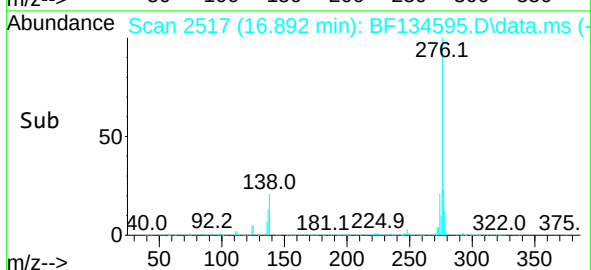
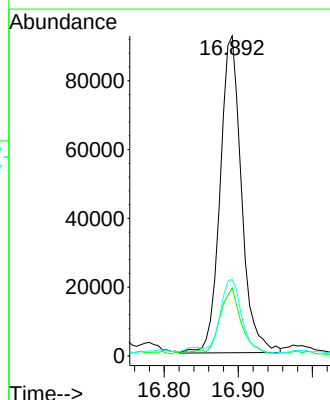
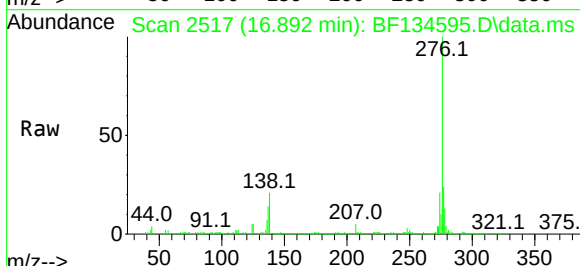
RT: 16.892 min Scan# 2517

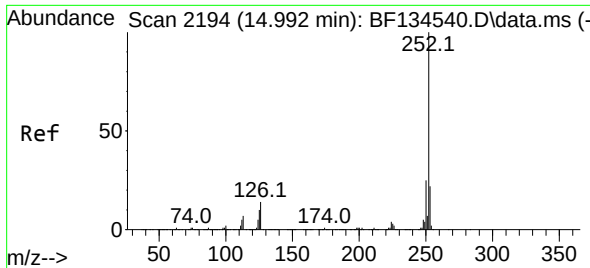
Delta R.T. 0.006 min

Lab File: BF134595.D

Acq: 02 Aug 2023 23:20

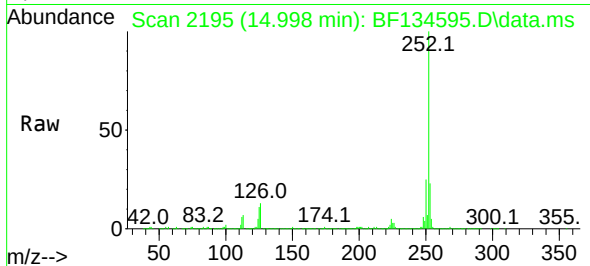
Tgt Ion:	276	Resp:	184524
Ion Ratio	Lower	Upper	
276	100		
138	21.4	14.2	21.4
277	23.3	19.9	29.9





#88
Benzo(b)fluoranthene
Concen: 32.311 ng m
RT: 14.998 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20

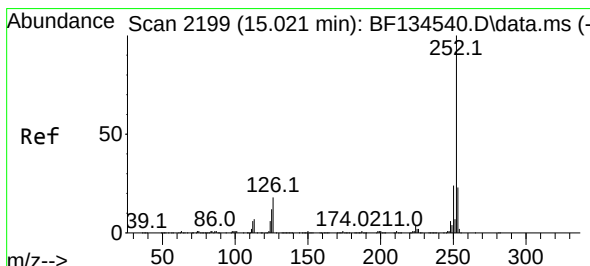
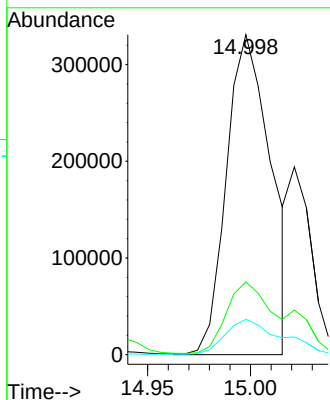
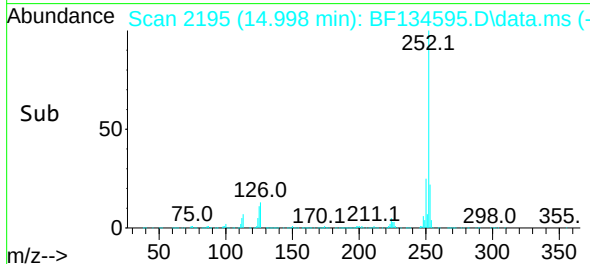
Instrument :
BNA_F
ClientSampleId :
RB-53-(0-2)



Tgt Ion:252 Resp: 496568
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 11.1 6.0 9.0

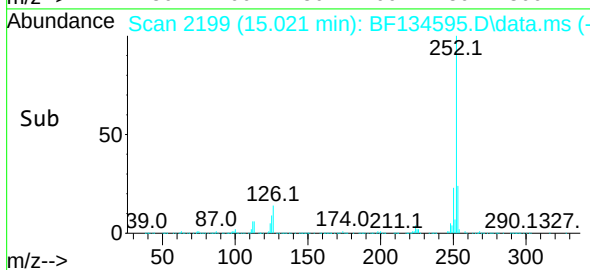
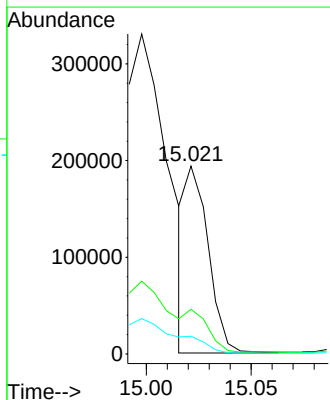
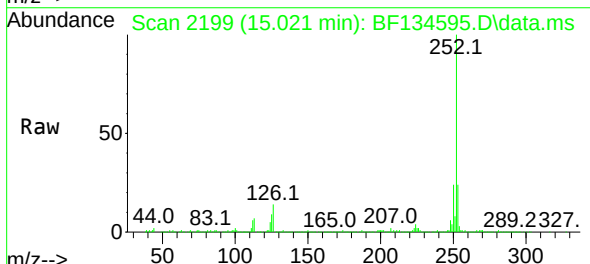
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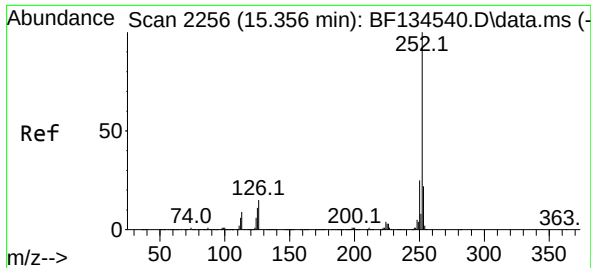
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#89
Benzo(k)fluoranthene
Concen: 9.529 ng m
RT: 15.021 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20

Tgt Ion:252 Resp: 145890
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 9.4 6.3 9.5





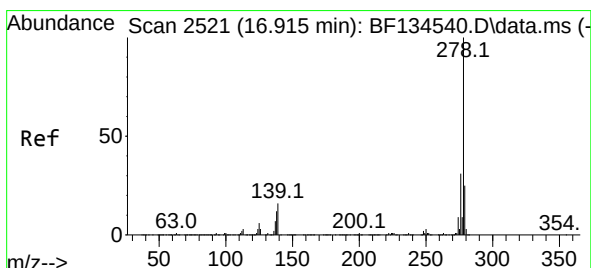
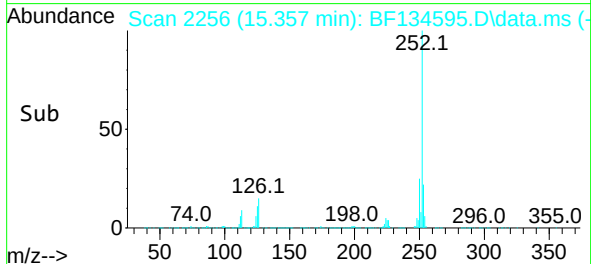
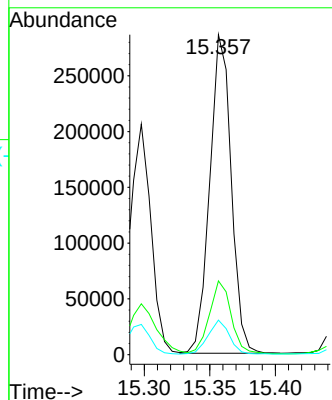
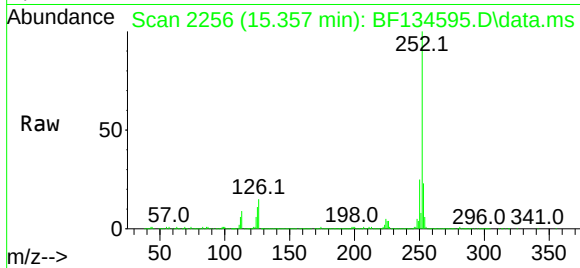
#90
Benzo(a)pyrene
Concen: 22.667 ng
RT: 15.357 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20

Instrument :
BNA_F
ClientSampleId :
RB-53-(0-2)

Tgt Ion:252 Resp: 32480
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.4
125 10.8 6.2 9.4

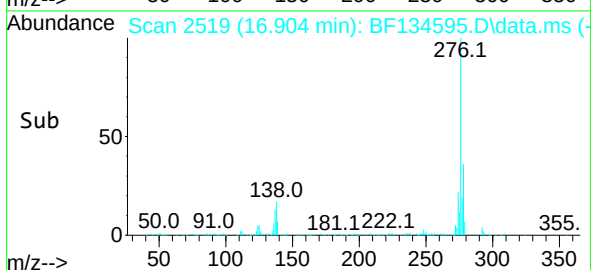
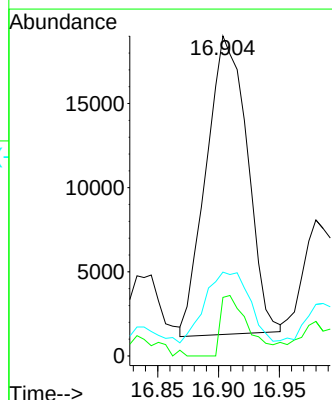
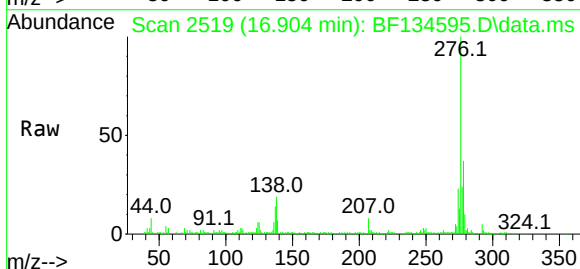
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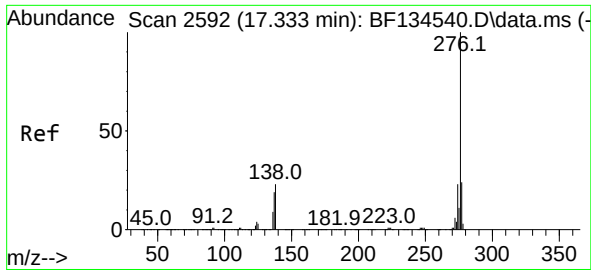
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.476 ng
RT: 16.904 min Scan# 2519
Delta R.T. -0.012 min
Lab File: BF134595.D
Acq: 02 Aug 2023 23:20

Tgt Ion:278 Resp: 41631
Ion Ratio Lower Upper
278 100
139 18.3 10.0 15.0#
279 26.2 19.7 29.5





#92

Benzo(g,h,i)perylene

Concen: 14.038 ng

RT: 17.333 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134595.D

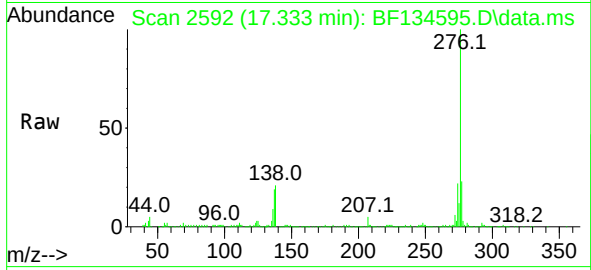
Acq: 02 Aug 2023 23:20

Instrument :

BNA_F

ClientSampleId :

RB-53-(0-2)



Tgt Ion:276 Resp: 171502

Ion Ratio Lower Upper

276 100

277 23.1 19.0 28.6

138 21.4 12.2 18.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023

