

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080223\
 Data File : BF134589.D
 Acq On : 02 Aug 2023 20:10
 Operator : CG\JU
 Sample : 03842-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 350

Manual Integrations
 APPROVED

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

Quant Time: Aug 03 01:50:36 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	171543	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	645104	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	275019	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	436053	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	304764	20.000	ng	0.00
86) Perylene-d12	15.421	264	240339	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	973637	86.277	ng	0.00
7) Phenol-d6	6.422	99	1213824	84.143	ng	0.00
23) Nitrobenzene-d5	7.351	82	716363	69.396	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	224102	79.935	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1195874	72.299	ng	0.00
79) Terphenyl-d14	12.910	244	1123190	64.969	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.857	154	254182	15.571	ng	99
55) Dibenzofuran	10.028	168	195169	8.399	ng	# 95
58) Fluorene	10.375	166	287880	17.008	ng	96
71) Phenanthrene	11.345	178	1682636	72.648	ng	100
72) Anthracene	11.392	178	321005	13.568	ng	99
75) Fluoranthene	12.533	202	1703810	69.641	ng	96
78) Pyrene	12.763	202	1172096	44.445	ng	98
81) Benzo(a)anthracene	13.951	228	332332	15.250	ng	99
83) Chrysene	13.986	228	300713	14.164	ng	96
87) Indeno(1,2,3-cd)pyrene	16.886	276	35605	2.519	ng	# 92
88) Benzo(b)fluoranthene	14.992	252	163242m	11.137	ng	
89) Benzo(k)fluoranthene	15.021	252	58853m	4.031	ng	
90) Benzo(a)pyrene	15.357	252	84570	6.188	ng	# 95
92) Benzo(g,h,i)perylene	17.333	276	31470	2.701	ng	# 92

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

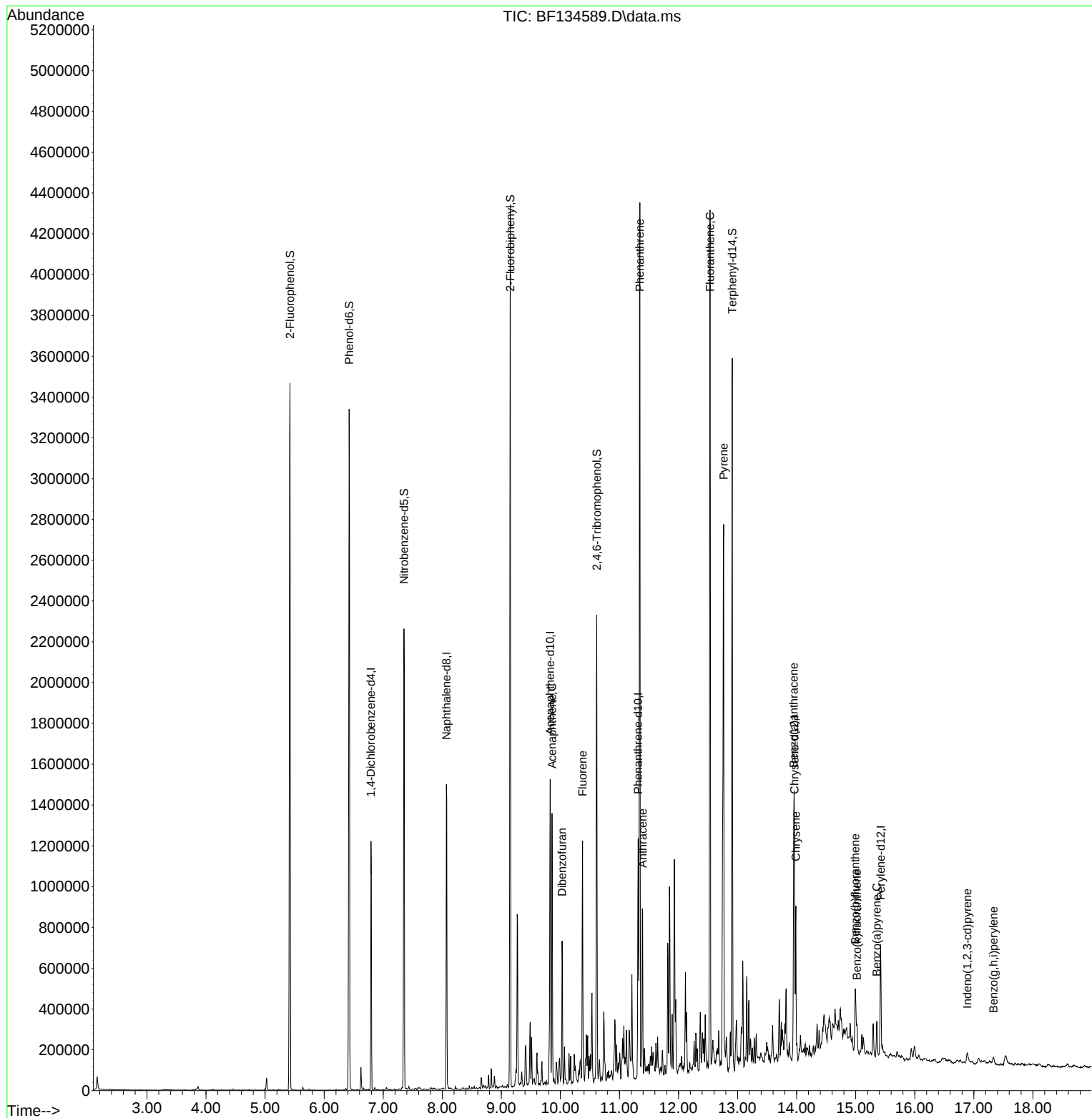
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080223\
Data File : BF134589.D
Acq On : 02 Aug 2023 20:10
Operator : CG\JU
Sample : 03842-04
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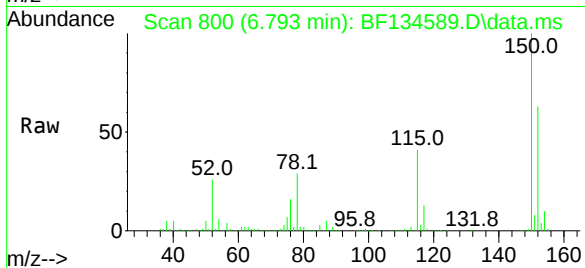
Quant Time: Aug 03 01:50:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 02 02:20:34 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 80
Delta R.T. 0.001 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

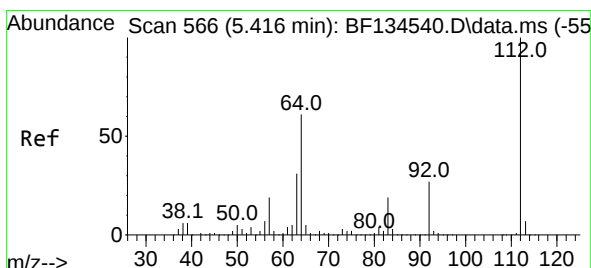
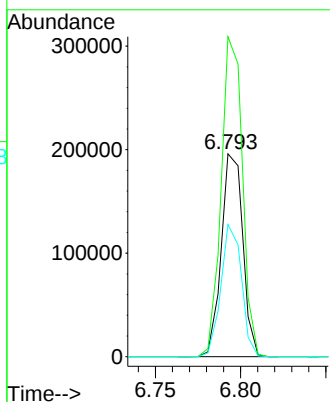
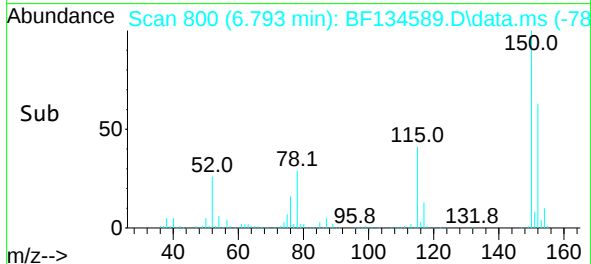
Instrument :
BNA_F
ClientSampleId :
350



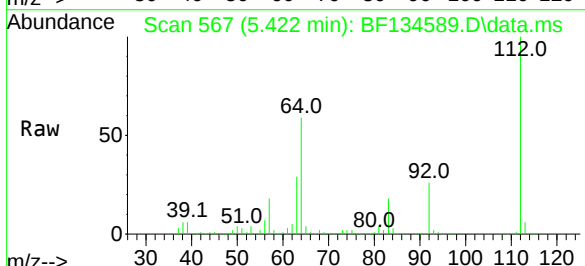
Tgt Ion:152 Resp: 17154
Ion Ratio Lower Upper
152 100
150 157.7 128.3 192.5
115 65.1 52.4 78.6

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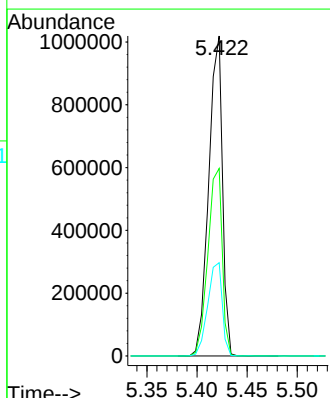
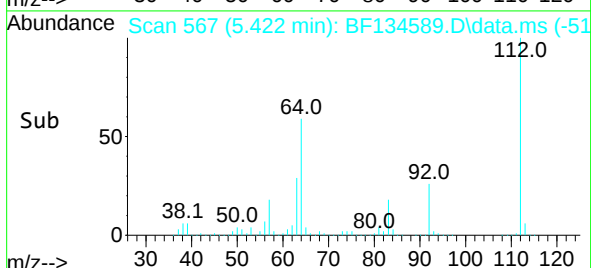
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#5
2-Fluorophenol
Concen: 86.277 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.006 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10



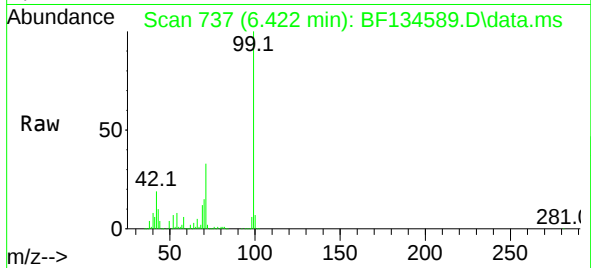
Tgt Ion:112 Resp: 973637
Ion Ratio Lower Upper
112 100
64 58.6 44.9 67.3
63 29.2 25.4 38.0





#7
Phenol-d6
Concen: 84.143 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

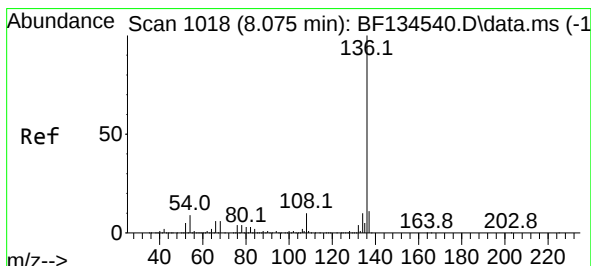
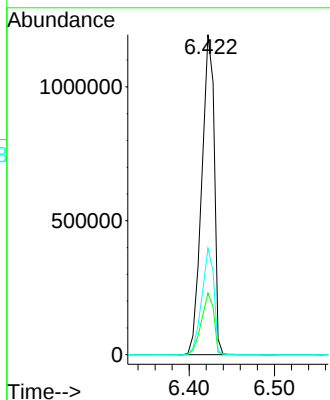
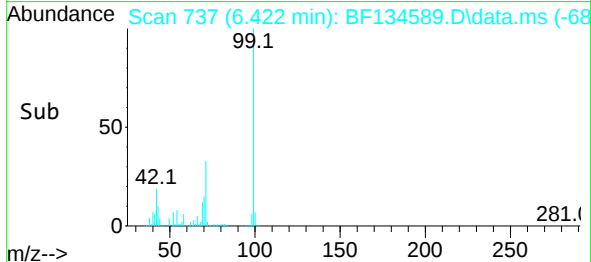
Instrument :
BNA_F
ClientSampleId :
350



Tgt Ion: 99 Resp: 1213824
Ion Ratio Lower Upper
99 100
42 19.2 18.7 28.1
71 33.3 36.4 54.6

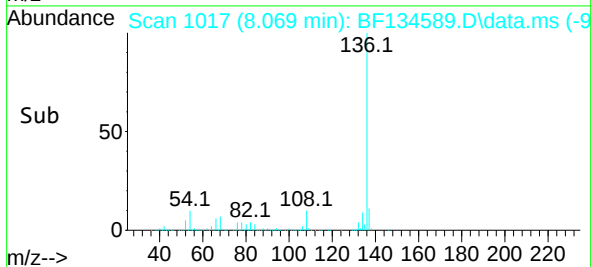
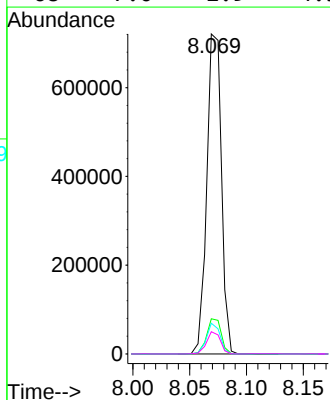
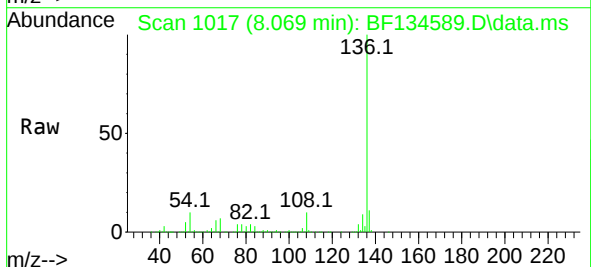
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

Tgt Ion:136 Resp: 645104
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 9.6 5.2 7.8#
68 7.0 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 69.396 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

Instrument :

BNA_F

ClientSampleId :

350

Tgt Ion: 82 Resp: 71636

Ion Ratio Lower Upper

82 100

128 42.8 34.3 51.5

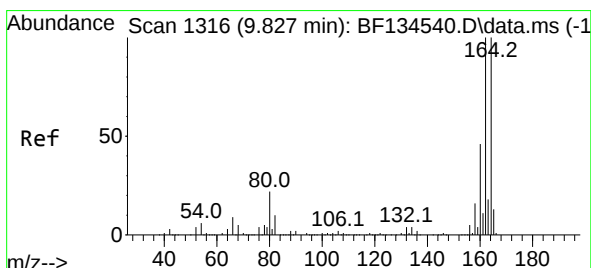
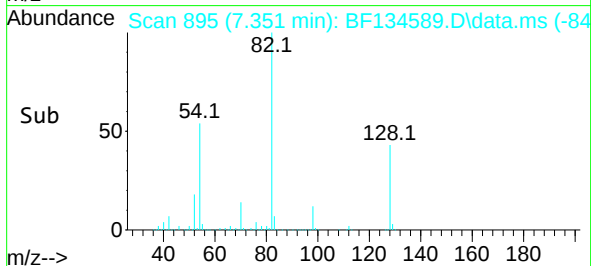
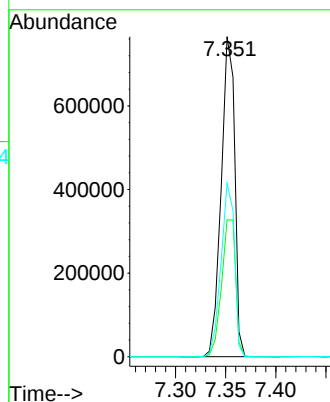
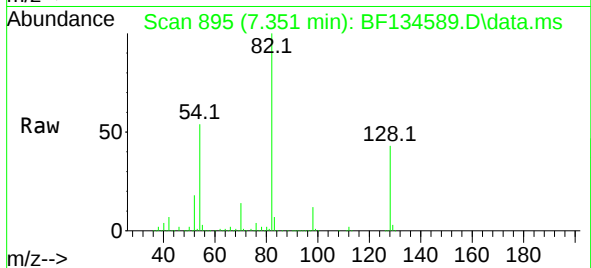
54 54.2 43.8 65.6

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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: BF134589.D

Acq: 02 Aug 2023 20:10

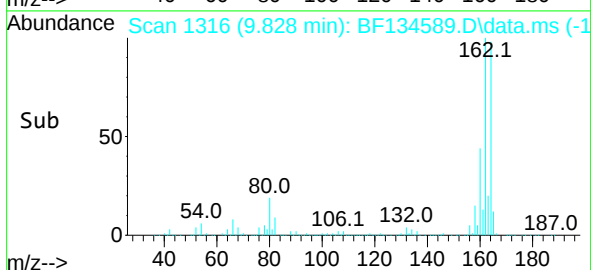
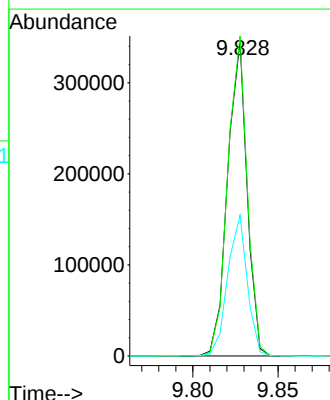
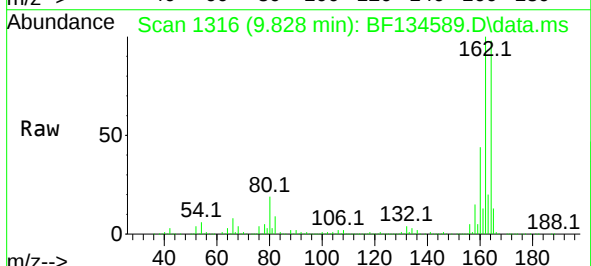
Tgt Ion:164 Resp: 275019

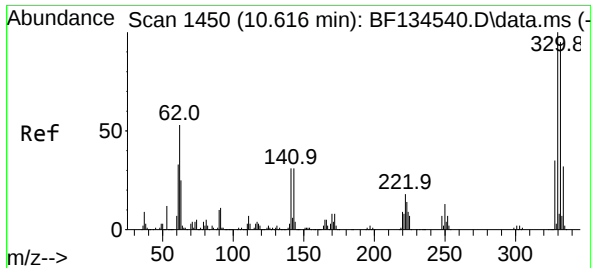
Ion Ratio Lower Upper

164 100

162 101.7 82.6 123.8

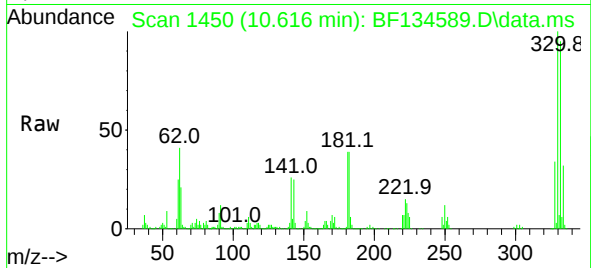
160 44.8 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 79.935 ng
RT: 10.616 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

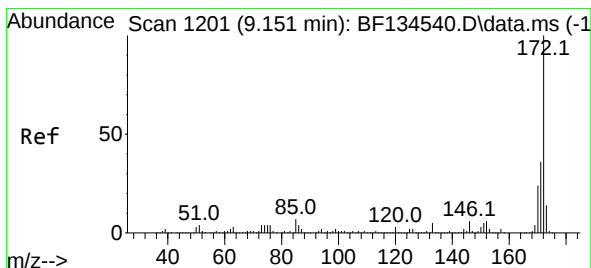
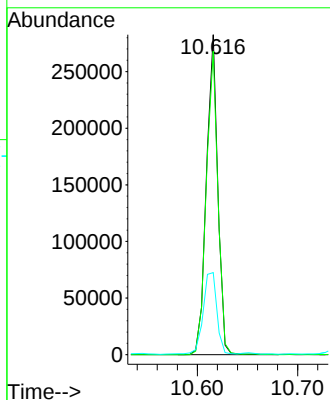
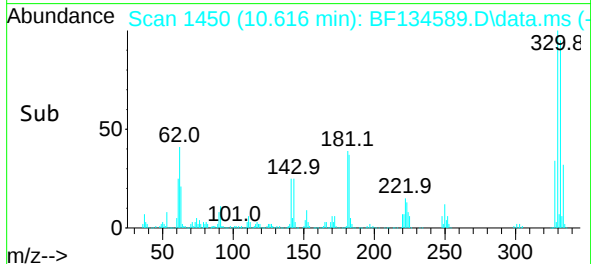
Instrument :
BNA_F
ClientSampleId :
350



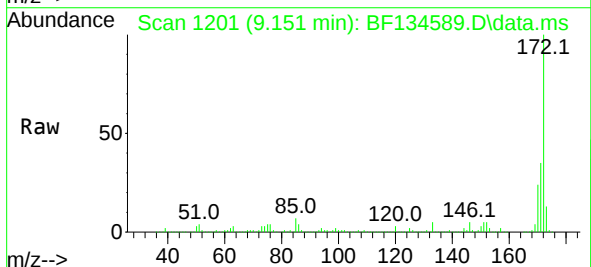
Tgt Ion: 330 Resp: 22410
Ion Ratio Lower Upper
330 100
332 97.0 78.8 118.2
141 31.1 25.4 38.2

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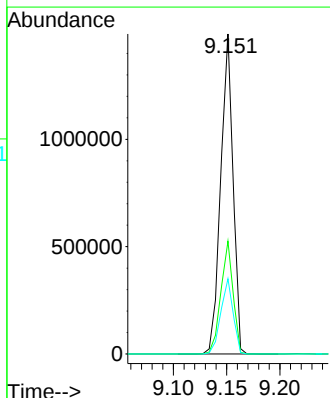
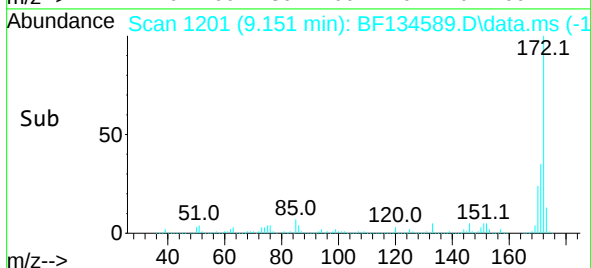
Reviewed By : Yogesh Patel 08/03/2023
Supervised By : mohammad ahmed 08/03/2023

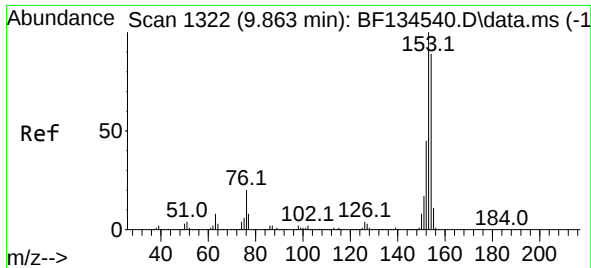


#45
2-Fluorobiphenyl
Concen: 72.299 ng
RT: 9.151 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10



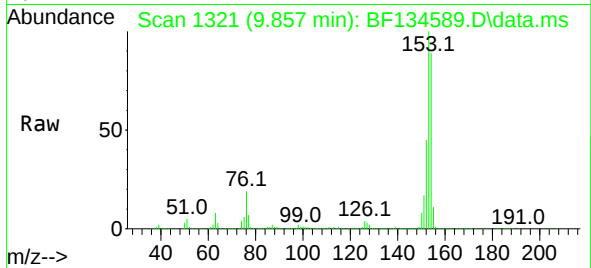
Tgt Ion: 172 Resp: 1195874
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.5 18.7 28.1





#52
Acenaphthene
Concen: 15.571 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

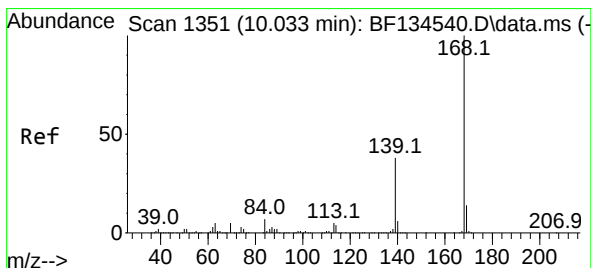
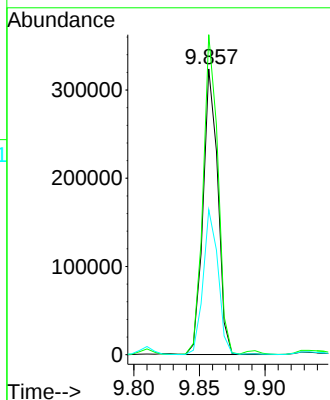
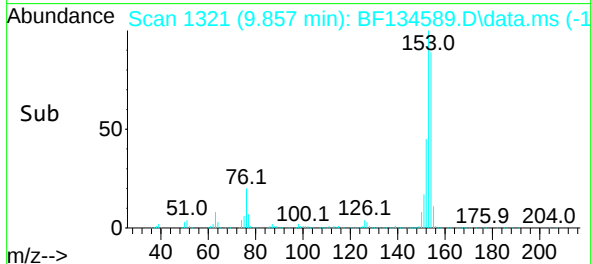
Instrument :
BNA_F
ClientSampleId :
350



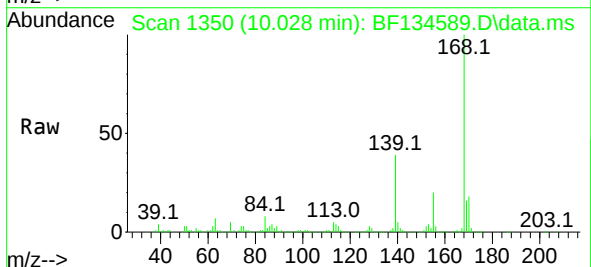
Tgt Ion:154 Resp: 25418
Ion Ratio Lower Upper
154 100
153 112.0 90.0 135.0
152 50.8 42.4 63.6

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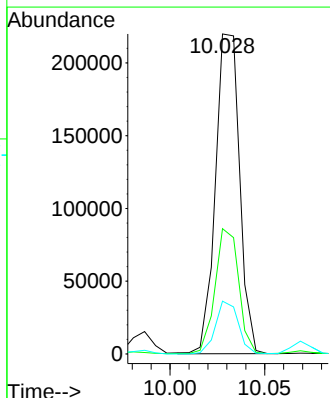
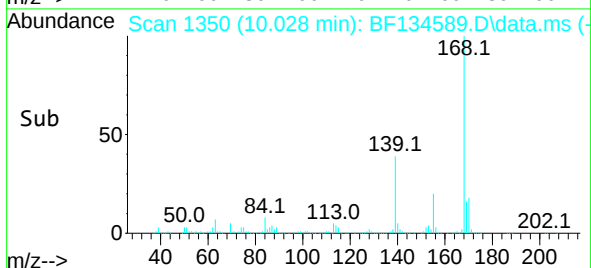
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

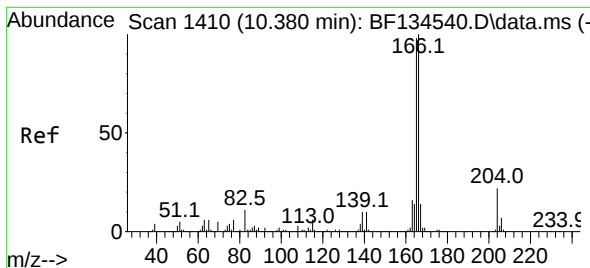


#55
Dibenzofuran
Concen: 8.399 ng
RT: 10.028 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10



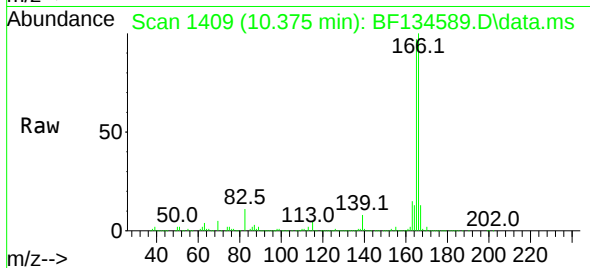
Tgt Ion:168 Resp: 195169
Ion Ratio Lower Upper
168 100
139 39.1 33.4 50.2
169 16.5 10.6 15.8#





#58
Fluorene
Concen: 17.008 ng
RT: 10.375 min Scan# 1410
Delta R.T. -0.005 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

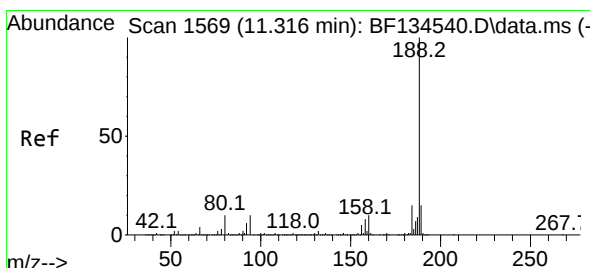
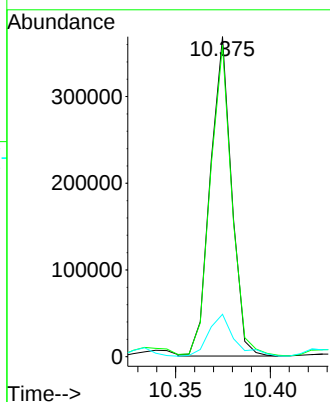
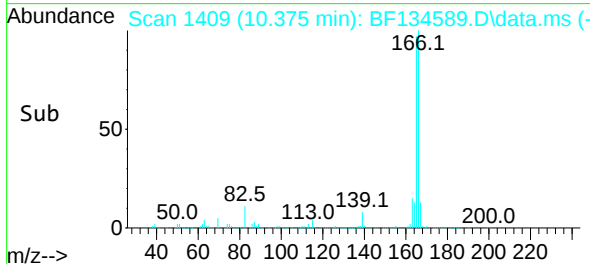
Instrument :
BNA_F
ClientSampleId :
350



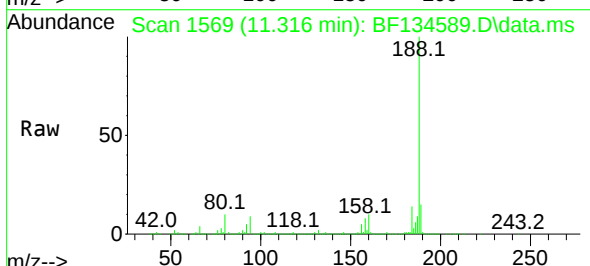
Tgt Ion:166 Resp: 287880
Ion Ratio Lower Upper
166 100
165 97.4 74.5 111.7
167 13.3 10.6 16.0

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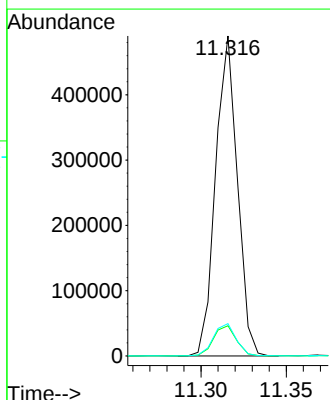
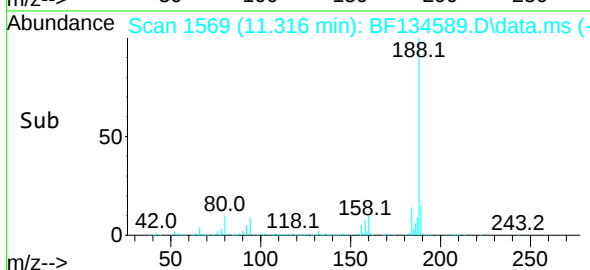
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

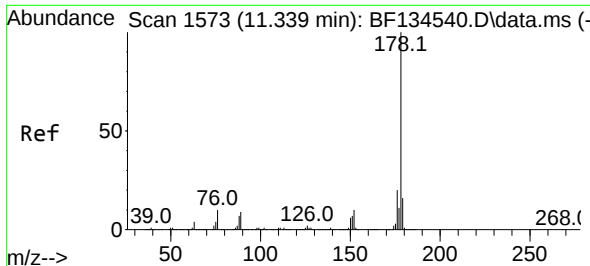


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10



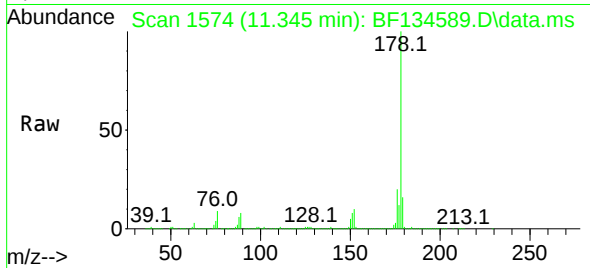
Tgt Ion:188 Resp: 436053
Ion Ratio Lower Upper
188 100
94 9.4 5.1 7.7#
80 10.1 6.6 9.8#





#71
Phenanthrene
Concen: 72.648 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.006 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

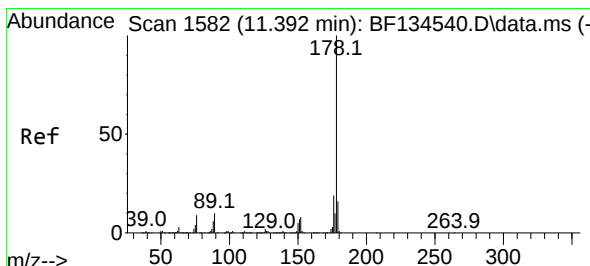
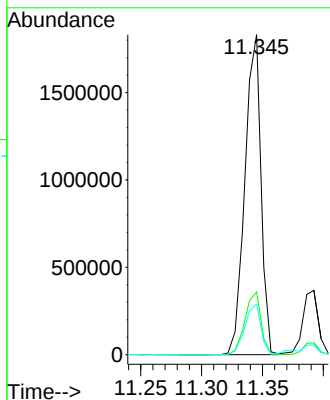
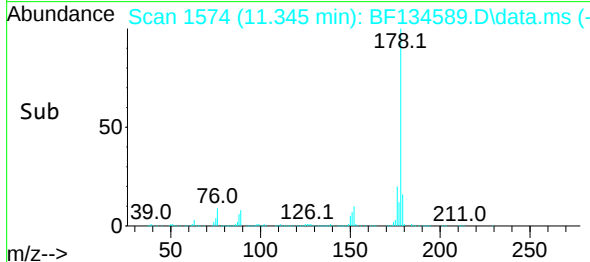
Instrument :
BNA_F
ClientSampleId :
350



Tgt Ion:178 Resp: 1682630
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.8 12.7 19.1

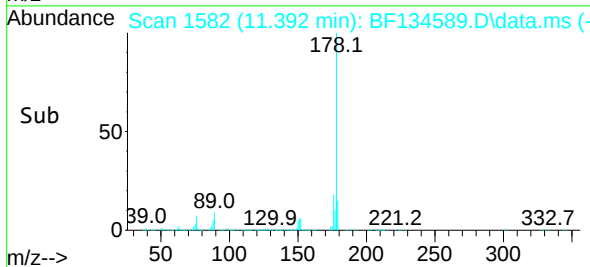
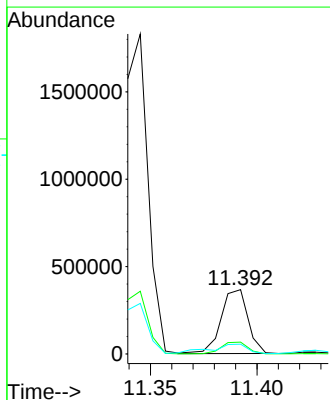
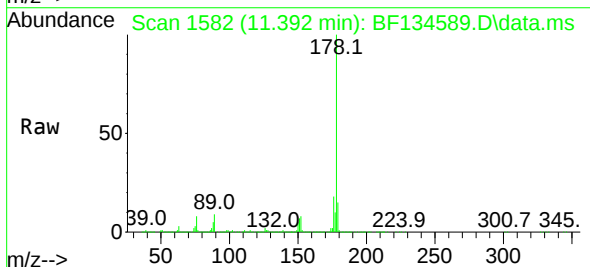
Manual Integrations
APPROVED

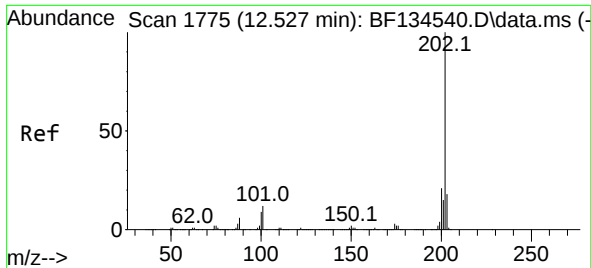
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#72
Anthracene
Concen: 13.568 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

Tgt Ion:178 Resp: 321005
Ion Ratio Lower Upper
178 100
176 18.4 14.6 21.8
179 15.2 12.3 18.5





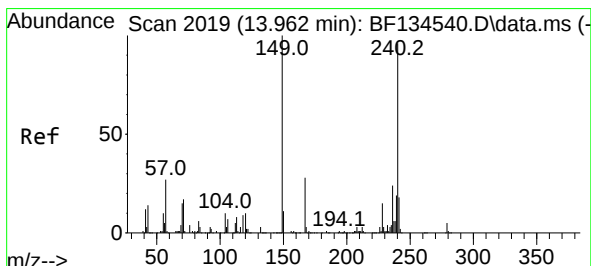
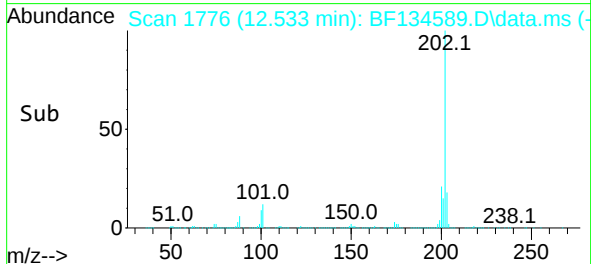
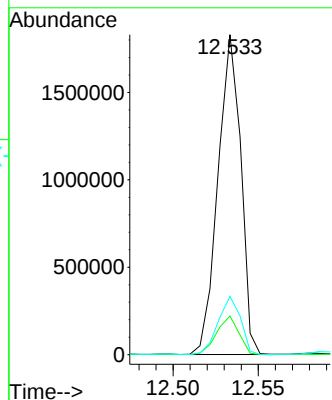
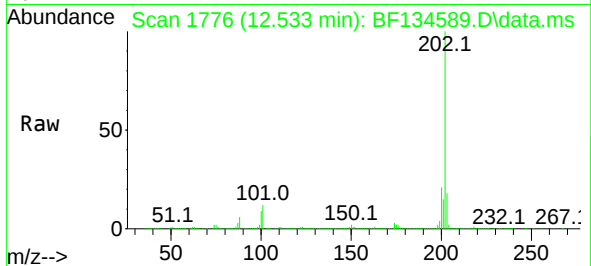
#75
Fluoranthene
Concen: 69.641 ng
RT: 12.533 min Scan# 1775
Delta R.T. 0.006 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

Instrument :
BNA_F
ClientSampleId :
350

Tgt Ion:202 Resp: 1703810
Ion Ratio Lower Upper
202 100
101 12.1 0.0 28.5
203 18.2 0.0 37.5

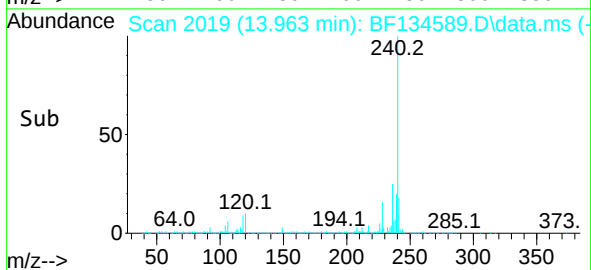
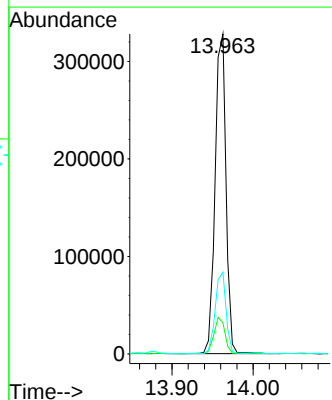
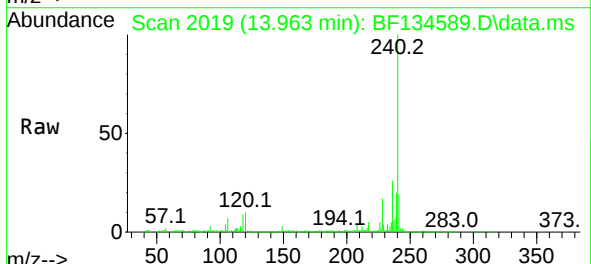
Manual Integrations
APPROVED

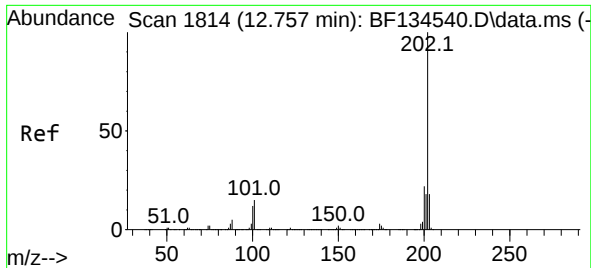
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

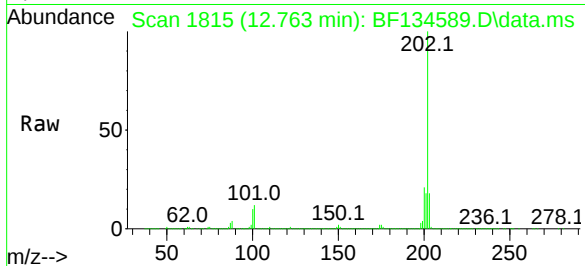
Tgt Ion:240 Resp: 304764
Ion Ratio Lower Upper
240 100
120 9.7 6.6 10.0
236 25.6 20.2 30.2





#78
Pyrene
Concen: 44.445 ng
RT: 12.763 min Scan# 1814
Delta R.T. 0.006 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10

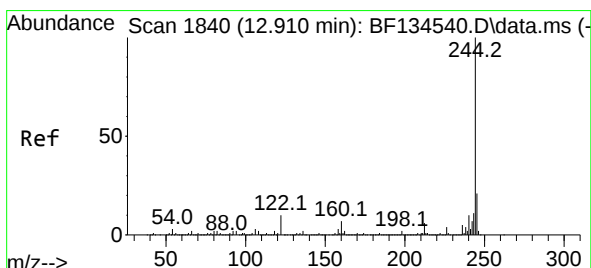
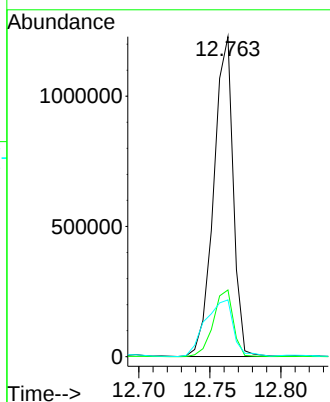
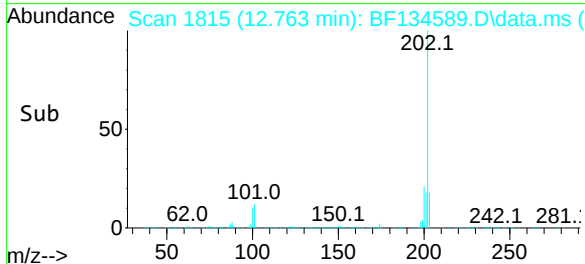
Instrument :
BNA_F
ClientSampleId :
350



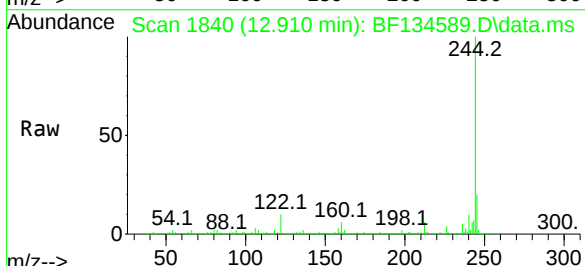
Tgt Ion:202 Resp: 1172090
Ion Ratio Lower Upper
202 100
200 20.8 15.8 23.8
203 17.7 13.5 20.3

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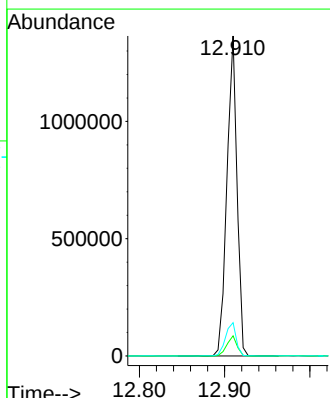
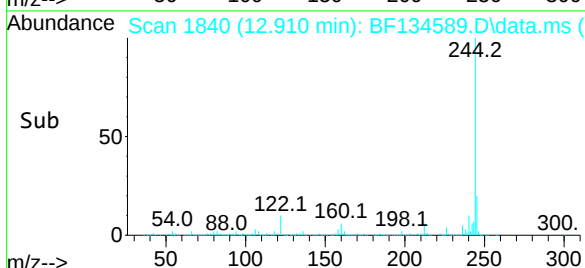
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

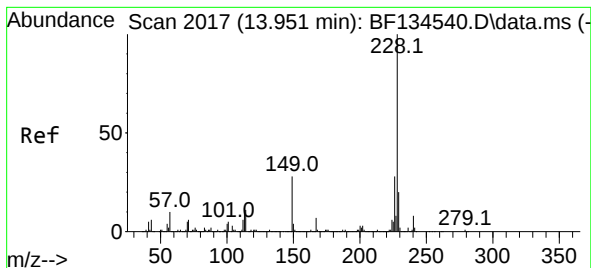


#79
Terphenyl-d14
Concen: 64.969 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF134589.D
Acq: 02 Aug 2023 20:10



Tgt Ion:244 Resp: 1123190
Ion Ratio Lower Upper
244 100
212 6.3 5.6 8.4
122 10.4 8.0 12.0





#81

Benzo(a)anthracene

Concen: 15.250 ng

RT: 13.951 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

Instrument :

BNA_F

ClientSampleId :

350

Tgt Ion:228 Resp: 33233

Ion Ratio Lower Upper

228 100

226 28.8 22.3 33.5

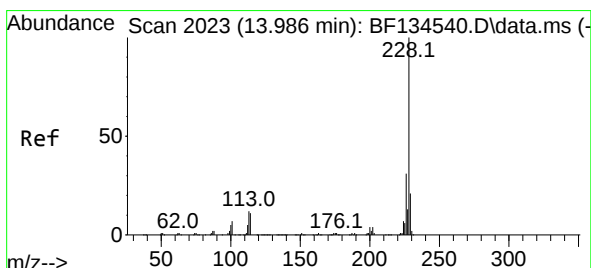
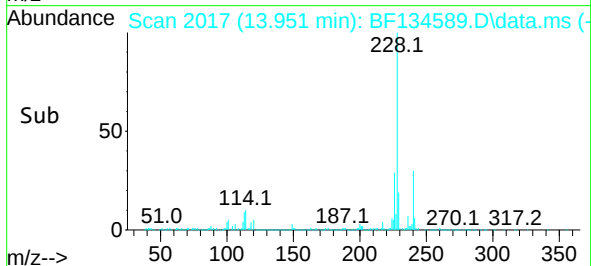
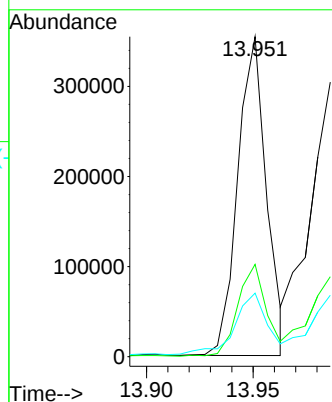
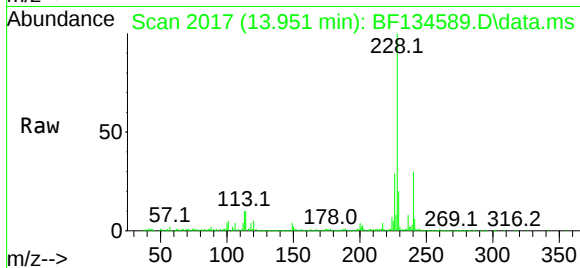
229 19.8 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#83

Chrysene

Concen: 14.164 ng

RT: 13.986 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

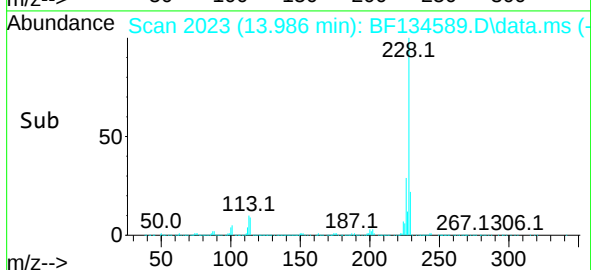
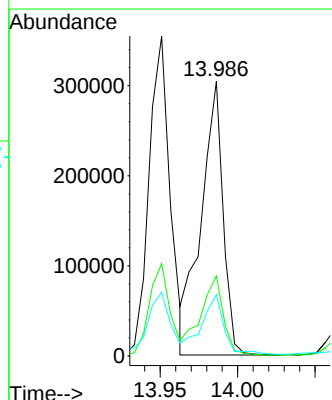
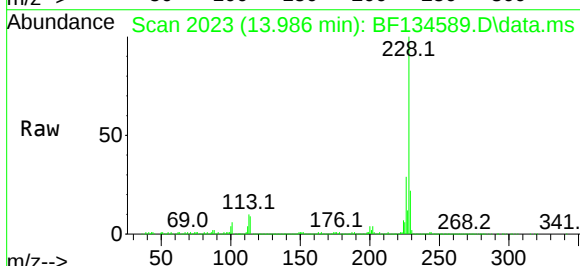
Tgt Ion:228 Resp: 300713

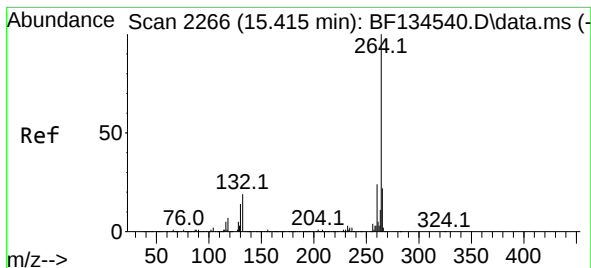
Ion Ratio Lower Upper

228 100

226 29.2 24.5 36.7

229 22.4 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: BF134589.D

Acq: 02 Aug 2023 20:10

Instrument :

BNA_F

ClientSampleId :

350

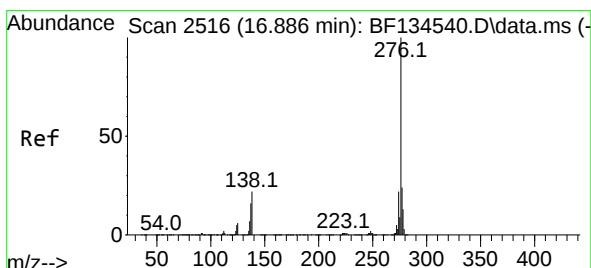
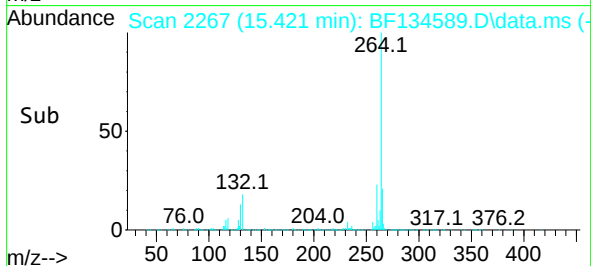
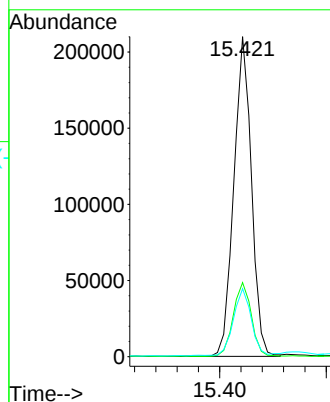
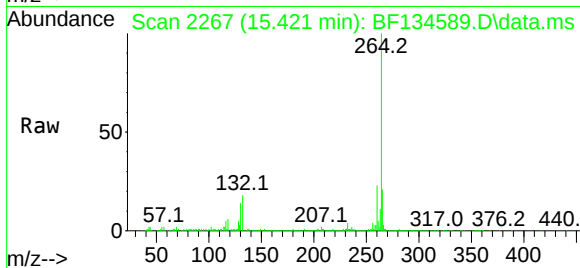
Tgt Ion:264 Resp: 240339
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.4 27.6
 265 21.3 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.519 ng

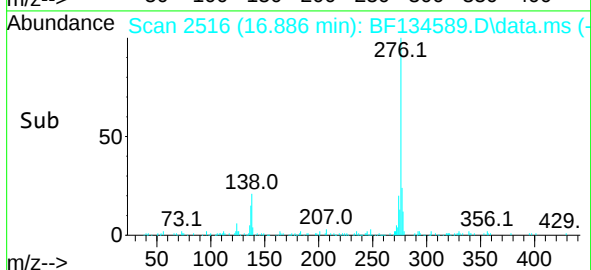
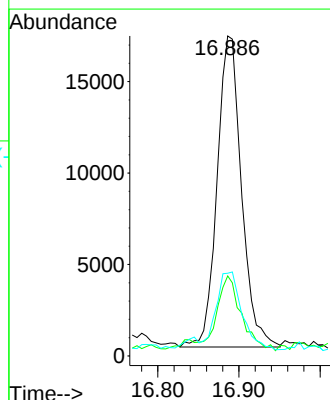
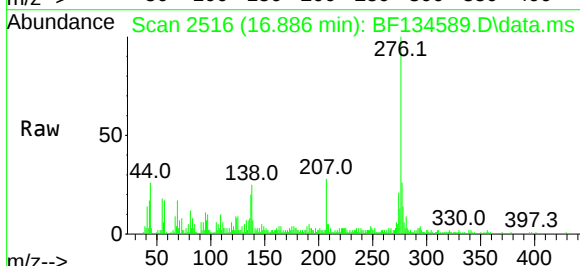
RT: 16.886 min Scan# 2516

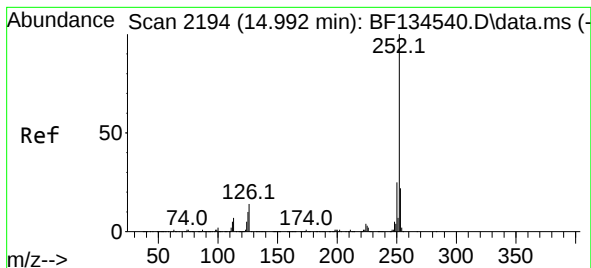
Delta R.T. 0.000 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

Tgt Ion:276 Resp: 35605
 Ion Ratio Lower Upper
 276 100
 138 23.9 14.2 21.4#
 277 26.7 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 11.137 ng m

RT: 14.992 min Scan# 2194

Delta R.T. 0.000 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

Instrument :

BNA_F

ClientSampleId :

350

Tgt Ion:252 Resp: 16324

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

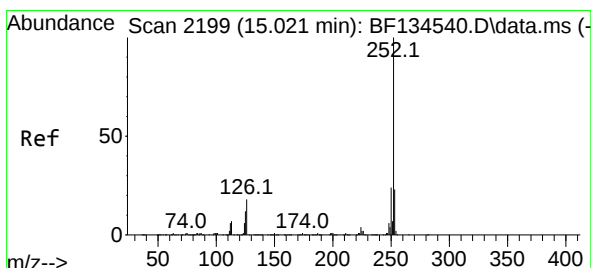
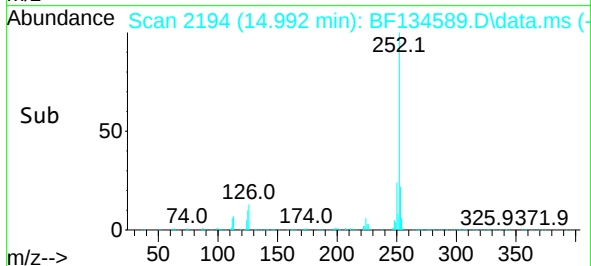
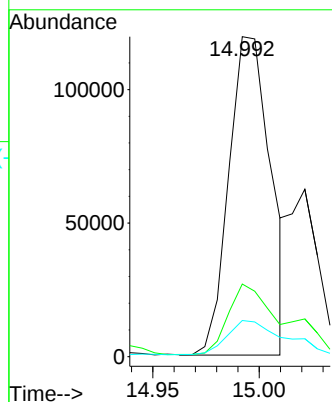
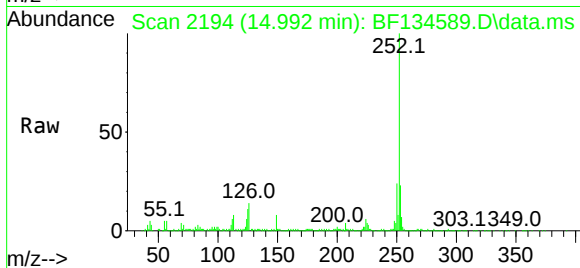
125 11.3 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#89

Benzo(k)fluoranthene

Concen: 4.031 ng m

RT: 15.021 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

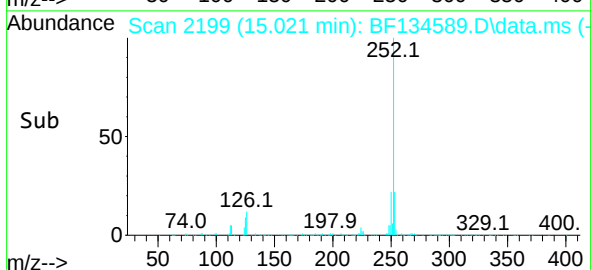
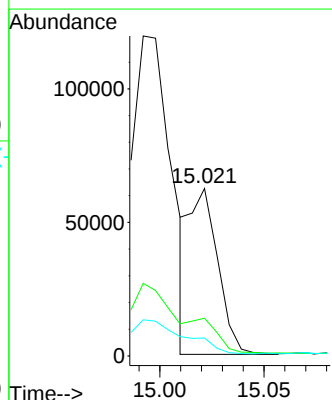
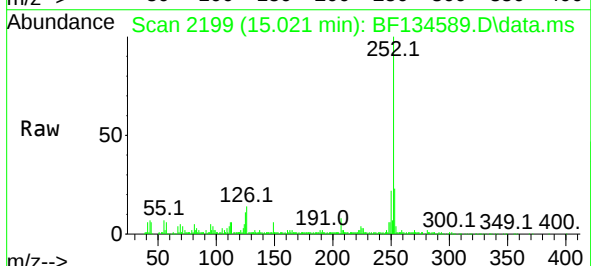
Tgt Ion:252 Resp: 58853

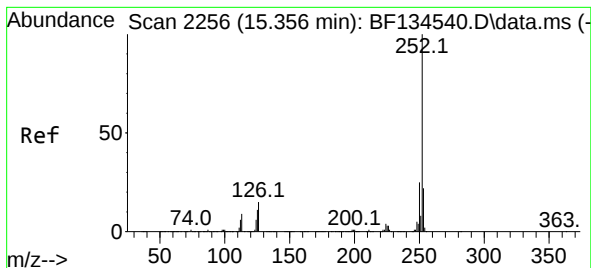
Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

125 10.7 6.3 9.5





#90

Benzo(a)pyrene

Concen: 6.188 ng

RT: 15.357 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

Instrument :

BNA_F

ClientSampleId :

350

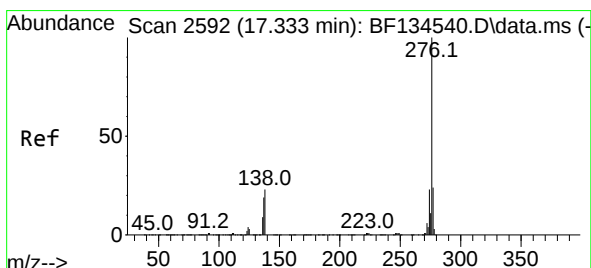
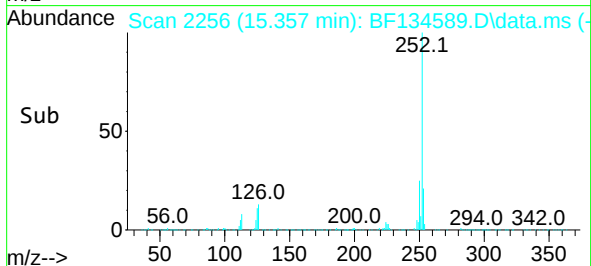
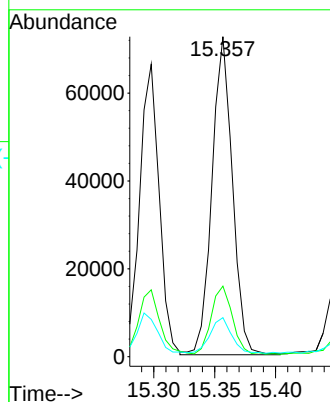
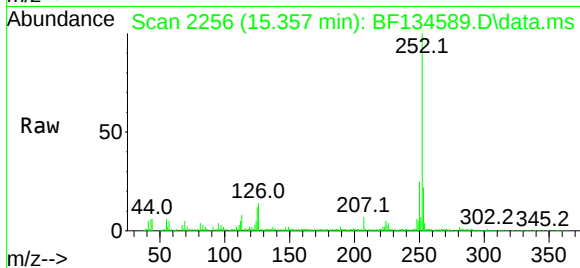
Tgt Ion:252 Resp: 84570
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.0 25.4
 125 12.2 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#92

Benzo(g,h,i)perylene

Concen: 2.701 ng

RT: 17.333 min Scan# 2592

Delta R.T. 0.000 min

Lab File: BF134589.D

Acq: 02 Aug 2023 20:10

Tgt Ion:276 Resp: 31470
 Ion Ratio Lower Upper
 276 100
 277 24.2 19.0 28.6
 138 22.8 12.2 18.2

