

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080823\
 Data File : BF134668.D
 Acq On : 08 Aug 2023 13:12
 Operator : CG\JU
 Sample : 03898-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-4-080323

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/08/2023
 Supervised By :mohammad ahmed 08/09/2023

Quant Time: Aug 08 13:41:14 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	6.798	152	171208	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	596892	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	262769	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	466933	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	333898	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	260812	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	799830	71.014	ng	0.00
7) Phenol-d6	6.434	99	960846	66.737	ng	0.00
23) Nitrobenzene-d5	7.357	82	554660	58.071	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	201059	75.059	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	943968	59.730	ng	-0.01
79) Terphenyl-d14	12.922	244	1080034	57.022	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.692	152	71803	2.983	ng	99
71) Phenanthrene	11.345	178	133884	5.398	ng	99
72) Anthracene	11.398	178	51750m	2.043	ng	
75) Fluoranthene	12.539	202	309386	11.809	ng	95
78) Pyrene	12.769	202	411907	14.256	ng	97
81) Benzo(a)anthracene	13.963	228	190370	7.974	ng	# 88
83) Chrysene	13.998	228	230217m	9.897	ng	
87) Indeno(1,2,3-cd)pyrene	16.945	276	102505	6.683	ng	# 93
88) Benzo(b)fluoranthene	15.016	252	201748m	12.683	ng	
89) Benzo(k)fluoranthene	15.045	252	66234m	4.180	ng	
90) Benzo(a)pyrene	15.386	252	166285	11.212	ng	# 88
91) Dibenzo(a,h)anthracene	16.957	278	28785	2.322	ng	# 43
92) Benzo(g,h,i)perylene	17.398	276	118923	9.405	ng	# 85

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

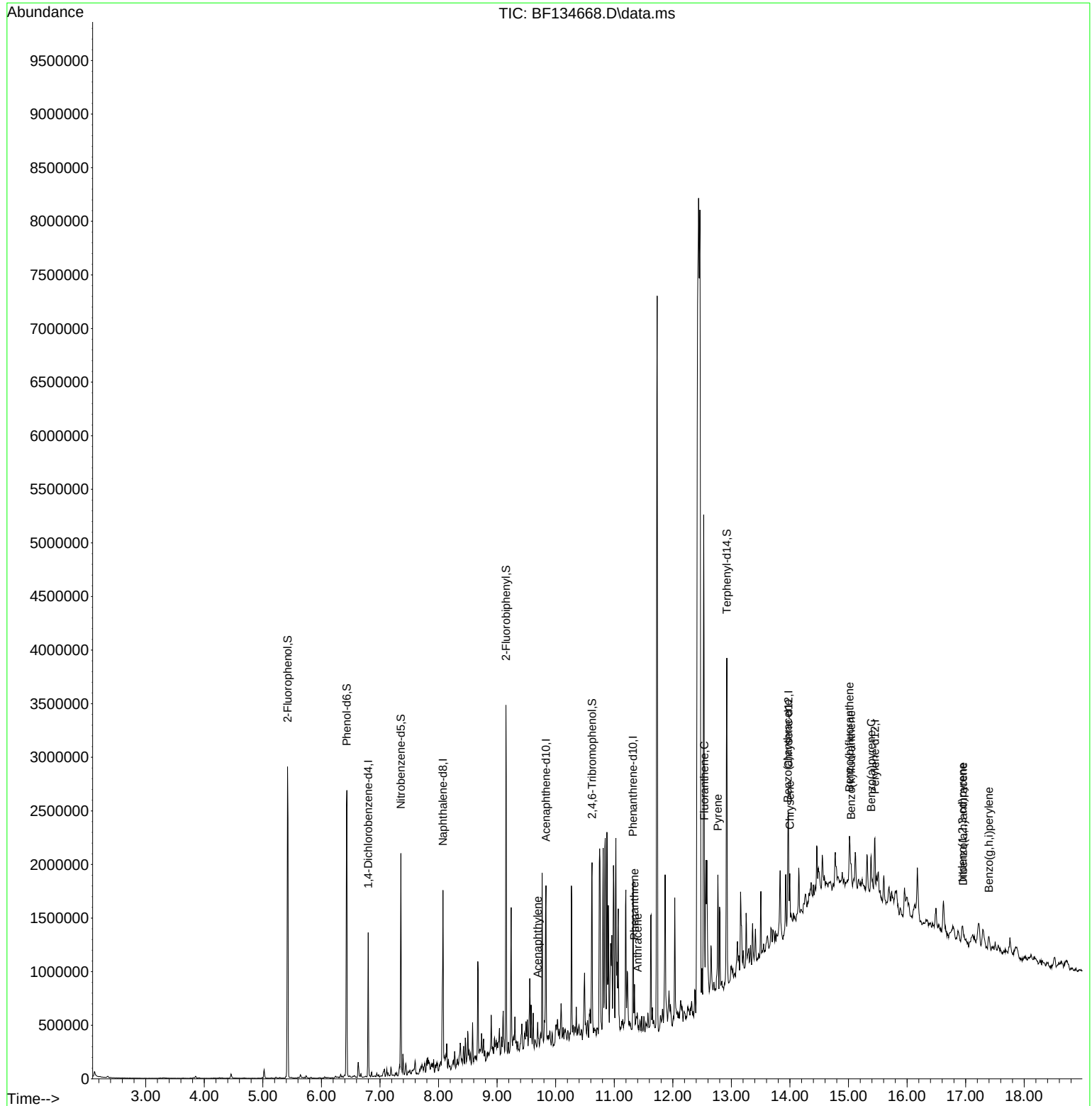
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080823\
Data File : BF134668.D
Acq On : 08 Aug 2023 13:12
Operator : CG\JU
Sample : 03898-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

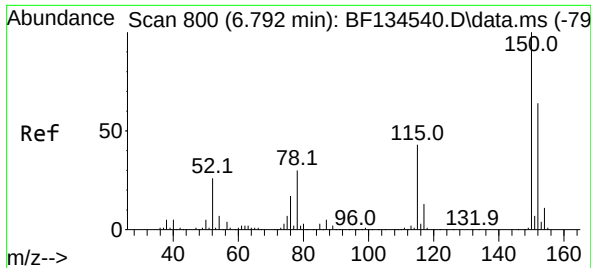
Instrument :
BNA_F
ClientSampleId :
TR-4-080323

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/09/2023

Quant Time: Aug 08 13:41:14 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





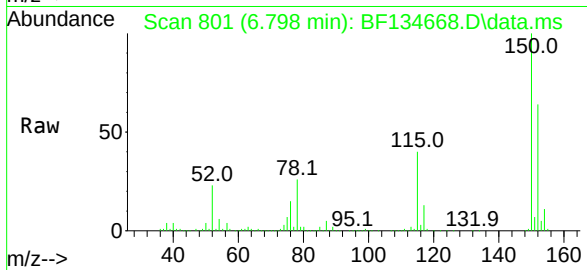
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134668.D
Acq: 08 Aug 2023 13:12

Instrument :

BNA_F

ClientSampleId :

TR-4-080323

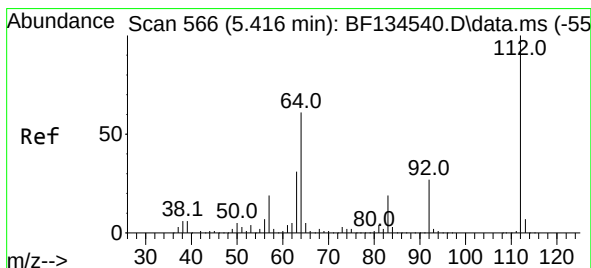
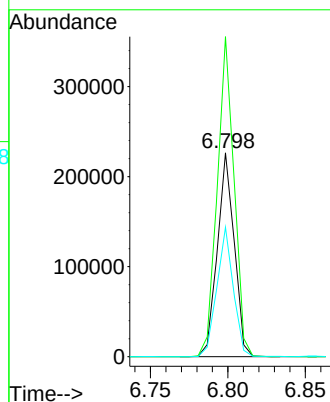


Tgt Ion:152 Resp: 171208
Ion Ratio Lower Upper
152 100
150 157.0 128.3 192.5
115 63.5 52.4 78.6

Manual Integrations

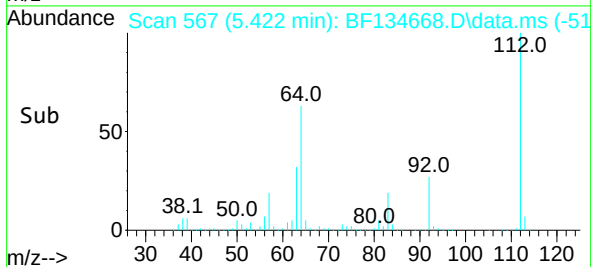
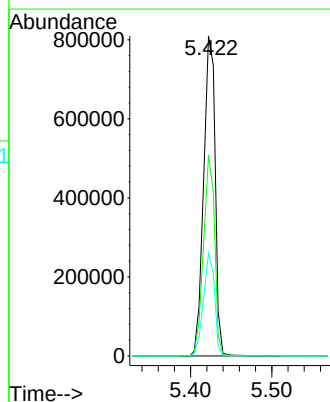
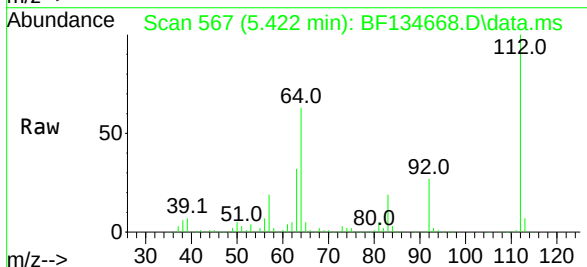
APPROVED

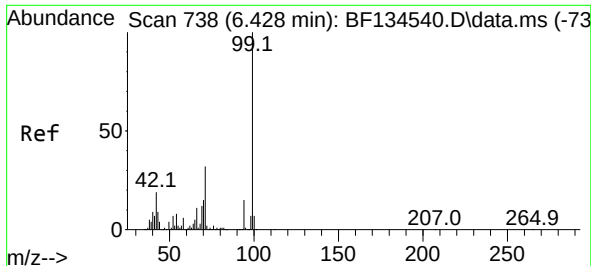
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/09/2023



#5
2-Fluorophenol
Concen: 71.014 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134668.D
Acq: 08 Aug 2023 13:12

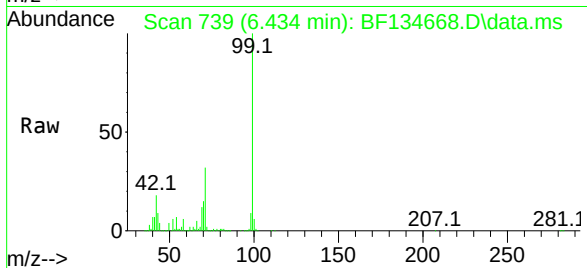
Tgt Ion:112 Resp: 799830
Ion Ratio Lower Upper
112 100
64 62.7 44.9 67.3
63 32.1 25.4 38.0





#7
Phenol-d6
Concen: 66.737 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134668.D
Acq: 08 Aug 2023 13:12

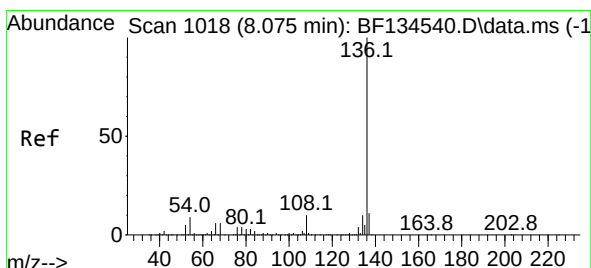
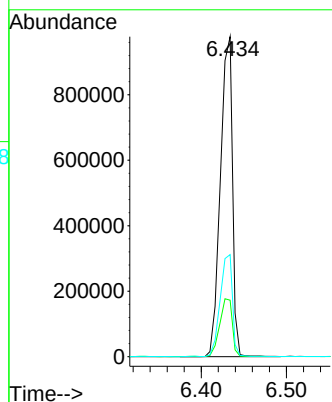
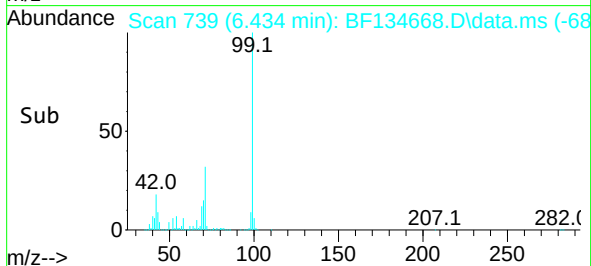
Instrument :
BNA_F
ClientSampleId :
TR-4-080323



Tgt Ion: 99 Resp: 960840
Ion Ratio Lower Upper
99 100
42 17.6 18.7 28.1
71 31.9 36.4 54.6

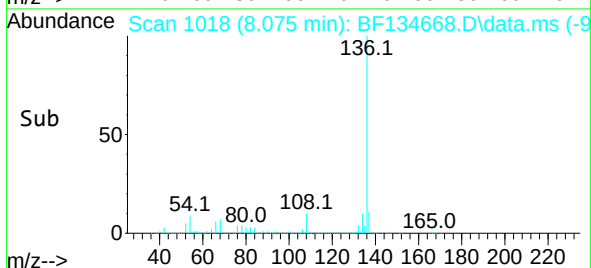
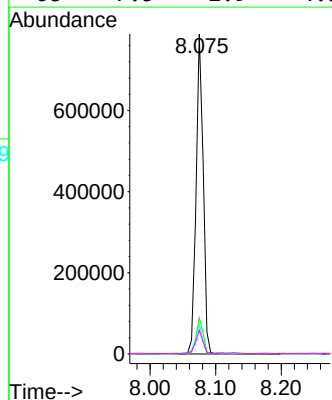
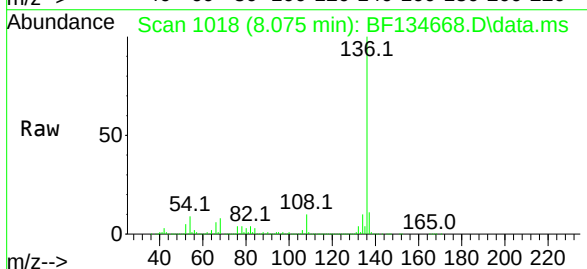
Manual Integrations
APPROVED

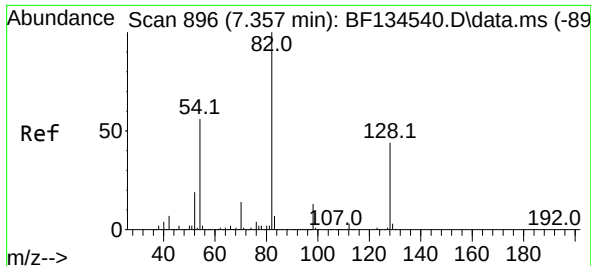
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/09/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134668.D
Acq: 08 Aug 2023 13:12

Tgt Ion:136 Resp: 596892
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 9.3 5.2 7.8#
68 7.5 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 58.071 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134668.D

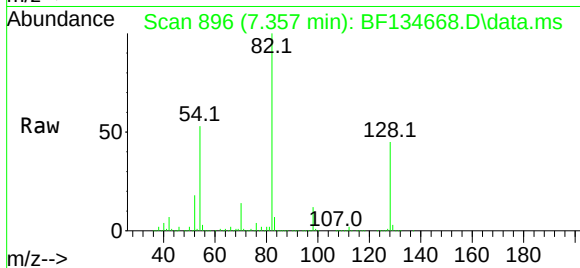
Acq: 08 Aug 2023 13:12

Instrument :

BNA_F

ClientSampleId :

TR-4-080323



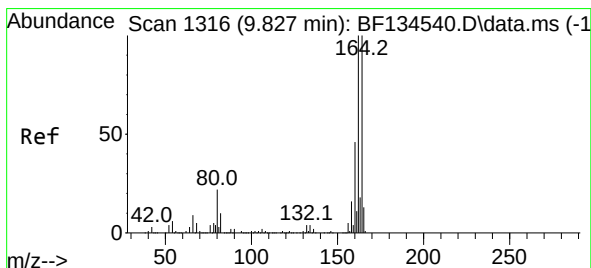
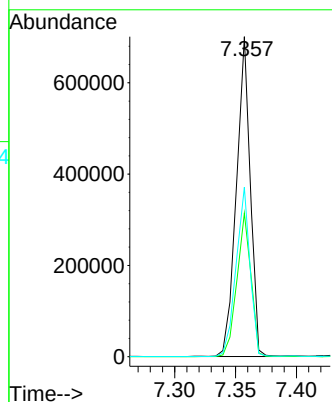
Tgt Ion:	82	Resp:	554660
Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.3	51.5
54	53.0	43.8	65.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/09/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

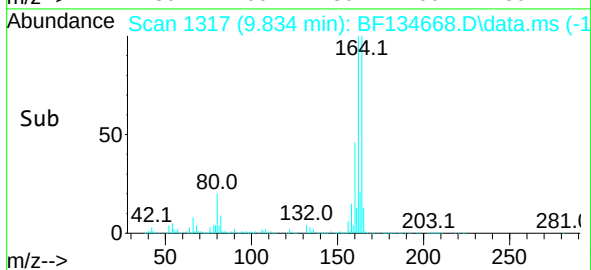
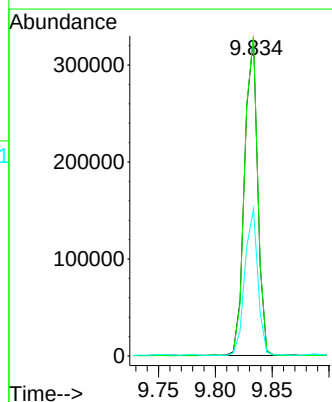
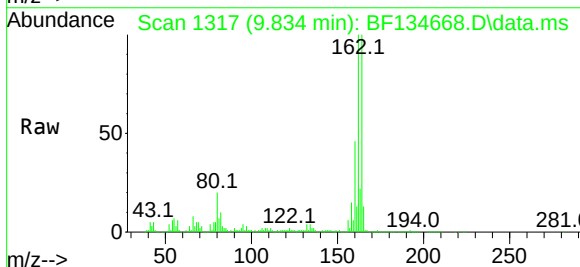
RT: 9.834 min Scan# 1317

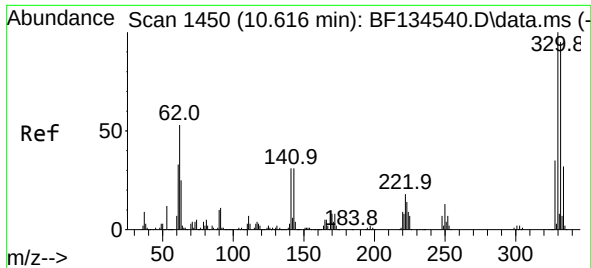
Delta R.T. 0.000 min

Lab File: BF134668.D

Acq: 08 Aug 2023 13:12

Tgt Ion:	164	Resp:	262769
Ion	Ratio	Lower	Upper
164	100		
162	100.4	82.6	123.8
160	46.1	37.2	55.8





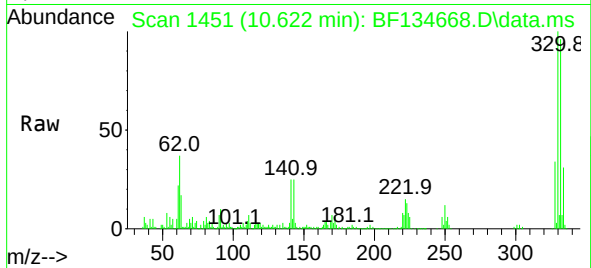
#42
2,4,6-Tribromophenol
Concen: 75.059 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134668.D
Acq: 08 Aug 2023 13:12

Instrument :

BNA_F

ClientSampleId :

TR-4-080323



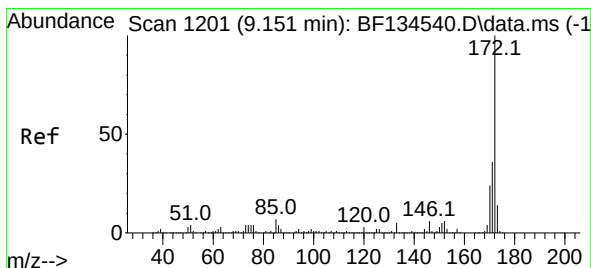
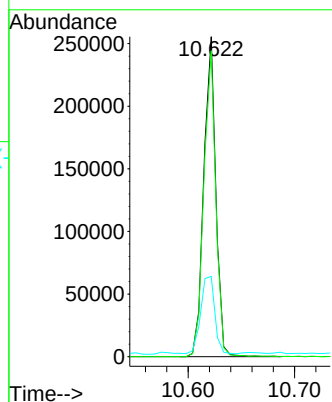
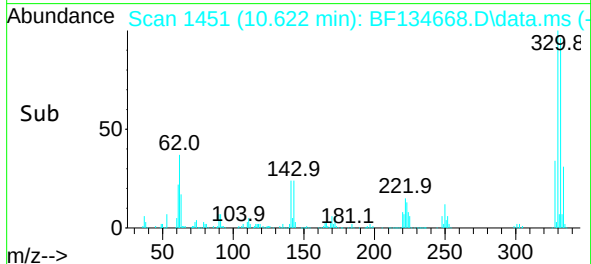
Tgt Ion:330 Resp: 201059
Ion Ratio Lower Upper
330 100
332 95.3 78.8 118.2
141 28.2 25.4 38.2

Manual Integrations

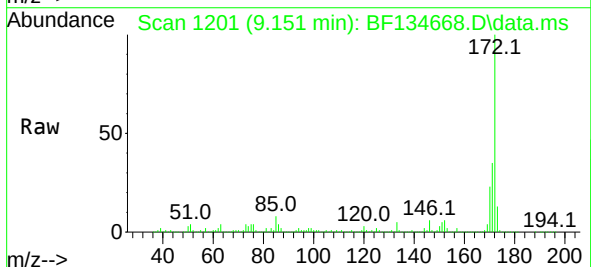
APPROVED

Reviewed By :Yogesh Patel 08/08/2023

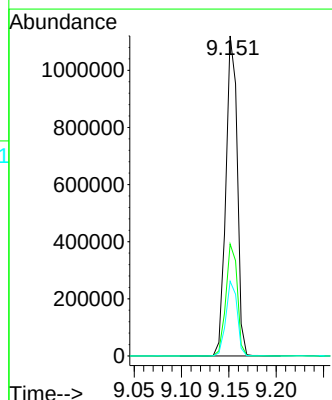
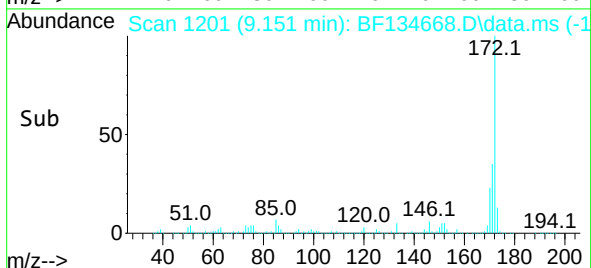
Supervised By :mohammad ahmed 08/09/2023

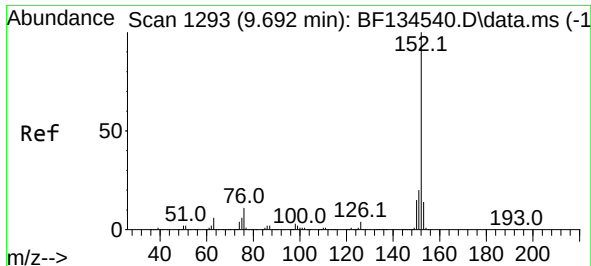


#45
2-Fluorobiphenyl
Concen: 59.730 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134668.D
Acq: 08 Aug 2023 13:12



Tgt Ion:172 Resp: 943968
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.4 18.7 28.1





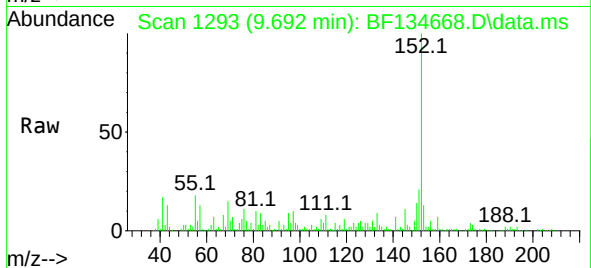
#49
Acenaphthylene
Concen: 2.983 ng
RT: 9.692 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF134668.D
Acq: 08 Aug 2023 13:12

Instrument :

BNA_F

ClientSampleId :

TR-4-080323



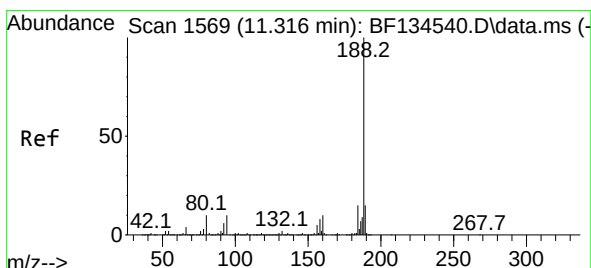
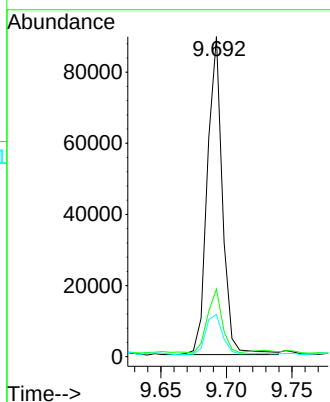
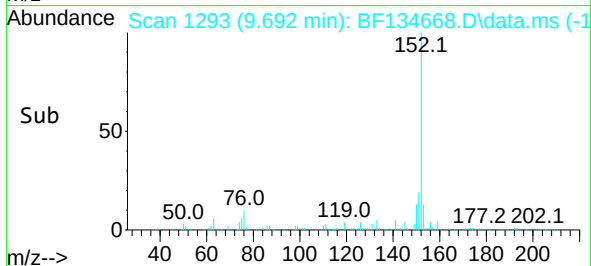
Tgt Ion:152 Resp: 71800
Ion Ratio Lower Upper
152 100
151 21.1 16.4 24.6
153 13.2 10.9 16.3

Manual Integrations

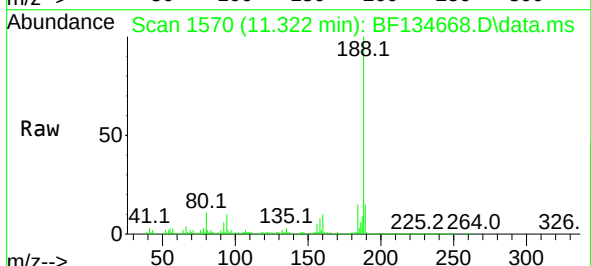
APPROVED

Reviewed By :Yogesh Patel 08/08/2023

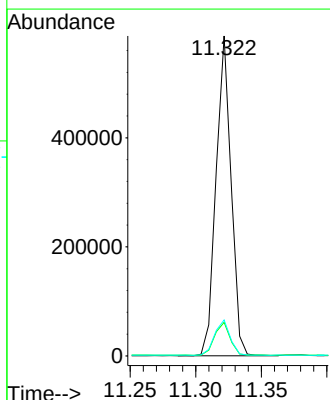
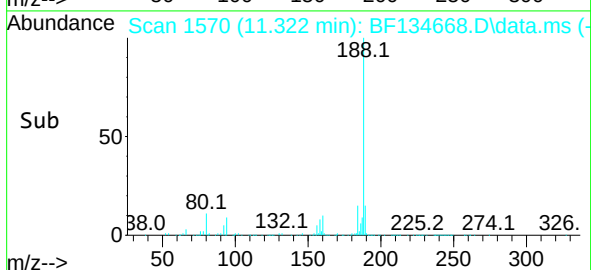
Supervised By :mohammad ahmed 08/09/2023

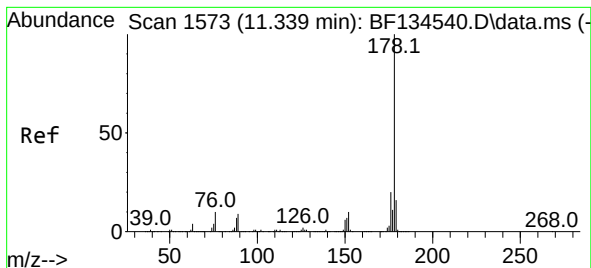


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134668.D
Acq: 08 Aug 2023 13:12



Tgt Ion:188 Resp: 466933
Ion Ratio Lower Upper
188 100
94 10.5 5.1 7.7#
80 11.3 6.6 9.8#





#71

Phenanthrene

Concen: 5.398 ng

RT: 11.345 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134668.D

Acq: 08 Aug 2023 13:12

Instrument :

BNA_F

ClientSampleId :

TR-4-080323

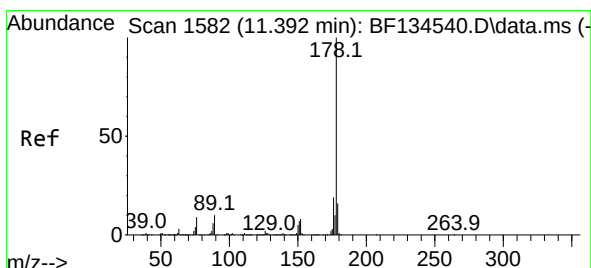
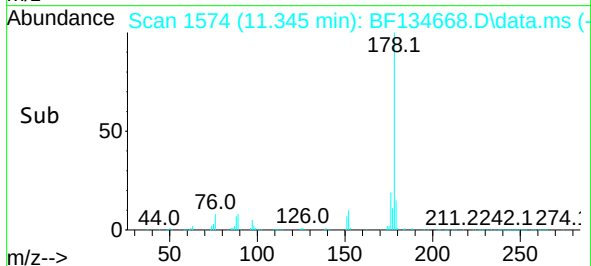
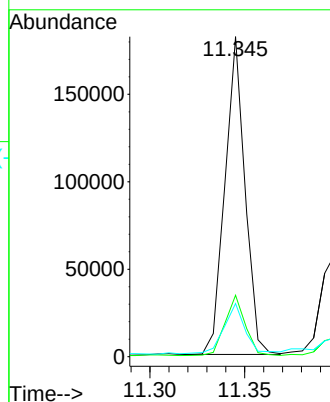
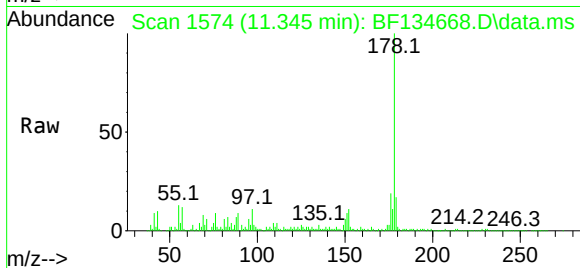
Tgt Ion:178 Resp: 133884
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.6
 179 16.6 12.7 19.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/09/2023



#72

Anthracene

Concen: 2.043 ng m

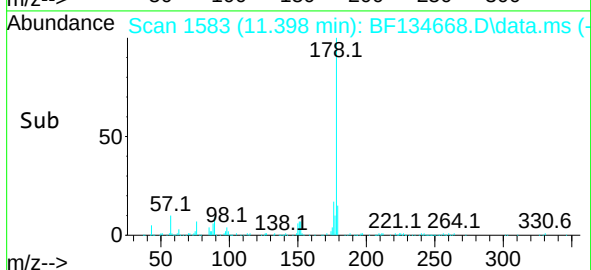
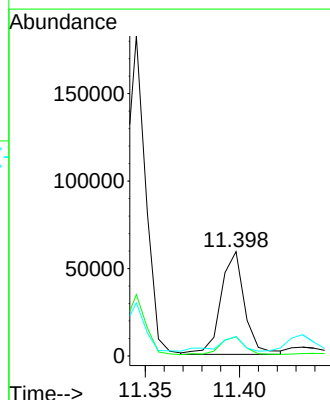
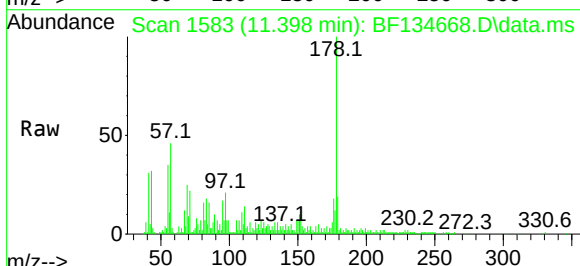
RT: 11.398 min Scan# 1583

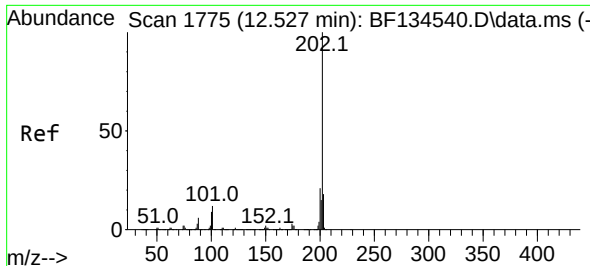
Delta R.T. -0.006 min

Lab File: BF134668.D

Acq: 08 Aug 2023 13:12

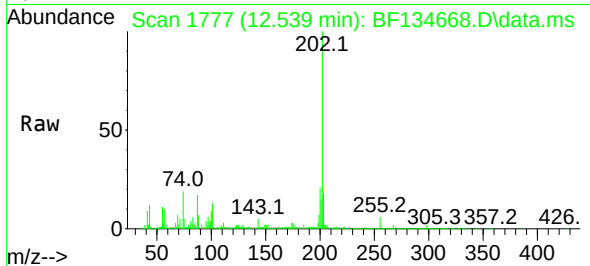
Tgt Ion:178 Resp: 51750
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.6 21.8
 179 18.5 12.3 18.5#





#75
Fluoranthene
Concen: 11.809 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134668.D
Acq: 08 Aug 2023 13:12

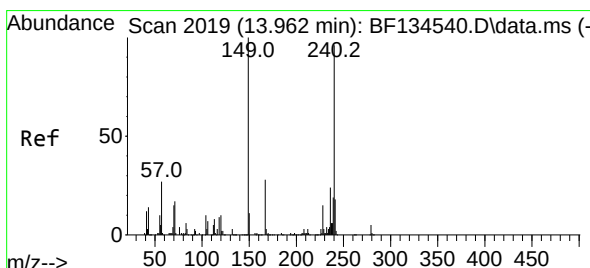
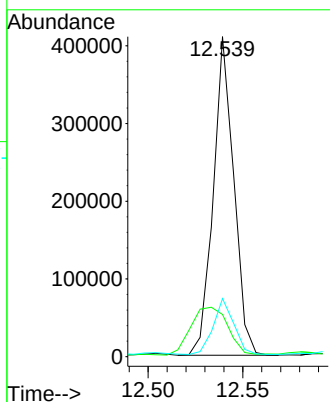
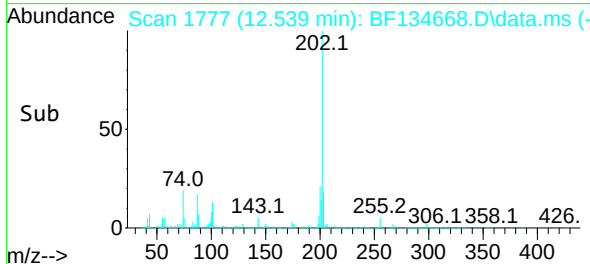
Instrument :
BNA_F
ClientSampleId :
TR-4-080323



Tgt Ion:202 Resp: 309380
Ion Ratio Lower Upper
202 100
101 13.2 0.0 28.5
203 18.1 0.0 37.5

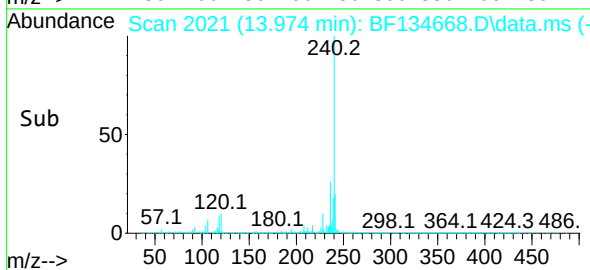
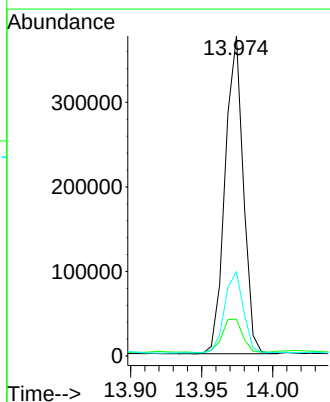
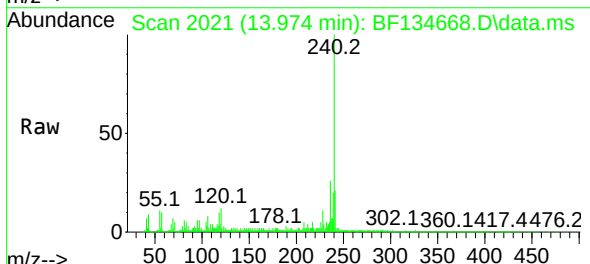
Manual Integrations
APPROVED

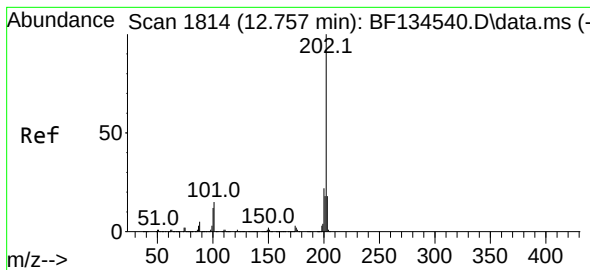
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/09/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF134668.D
Acq: 08 Aug 2023 13:12

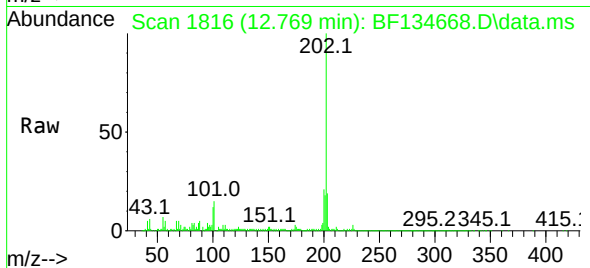
Tgt Ion:240 Resp: 333898
Ion Ratio Lower Upper
240 100
120 11.5 6.6 10.0#
236 26.3 20.2 30.2





#78
Pyrene
Concen: 14.256 ng
RT: 12.769 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF134668.D
Acq: 08 Aug 2023 13:12

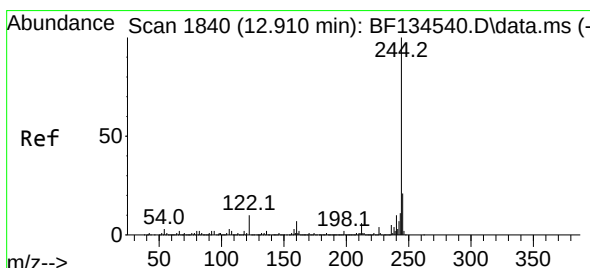
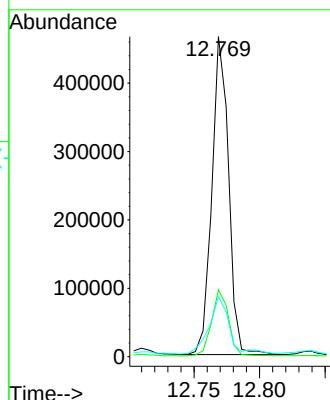
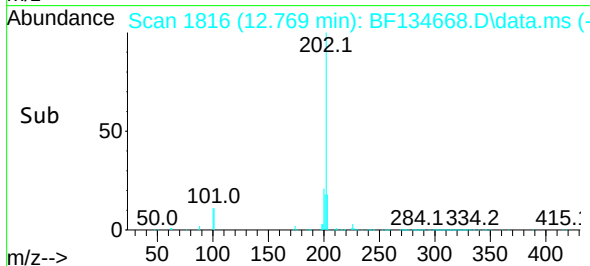
Instrument :
BNA_F
ClientSampleId :
TR-4-080323



Tgt Ion:202 Resp: 41190
Ion Ratio Lower Upper
202 100
200 20.9 15.8 23.8
203 18.9 13.5 20.3

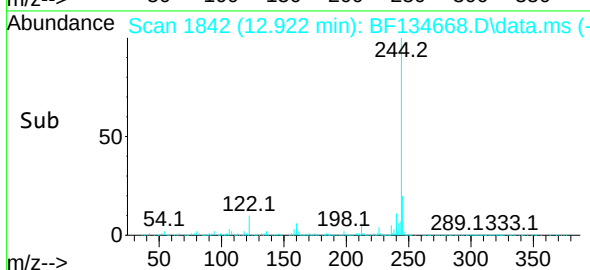
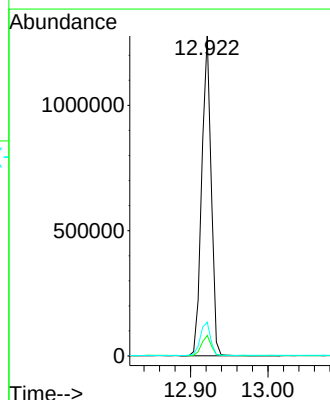
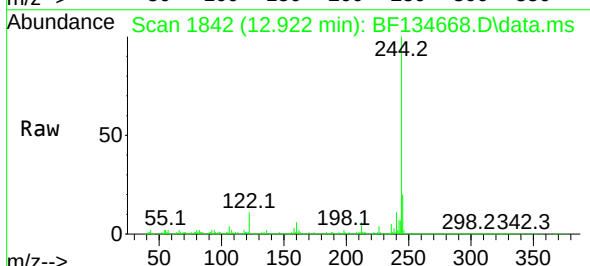
Manual Integrations
APPROVED

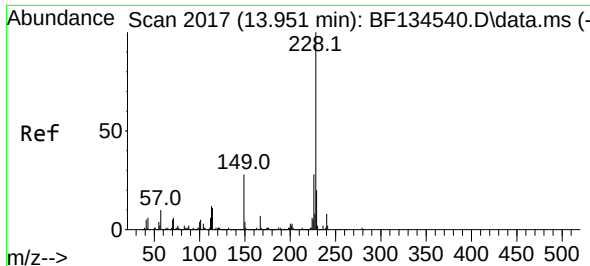
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/09/2023



#79
Terphenyl-d14
Concen: 57.022 ng
RT: 12.922 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF134668.D
Acq: 08 Aug 2023 13:12

Tgt Ion:244 Resp: 1080034
Ion Ratio Lower Upper
244 100
212 6.4 5.6 8.4
122 10.6 8.0 12.0





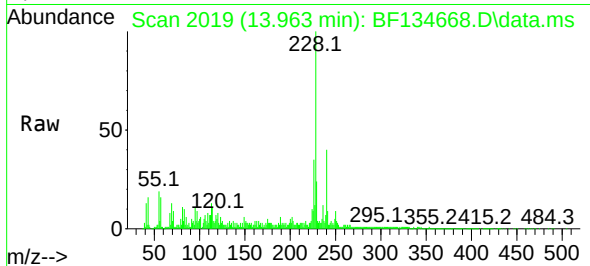
#81
Benzo(a)anthracene
Concen: 7.974 ng
RT: 13.963 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF134668.D
Acq: 08 Aug 2023 13:12

Instrument :

BNF_F

ClientSampleId :

TR-4-080323

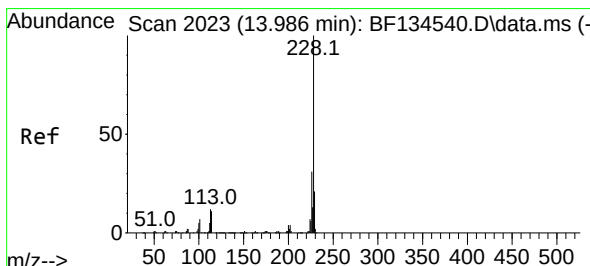
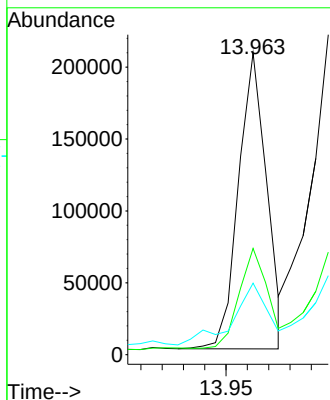
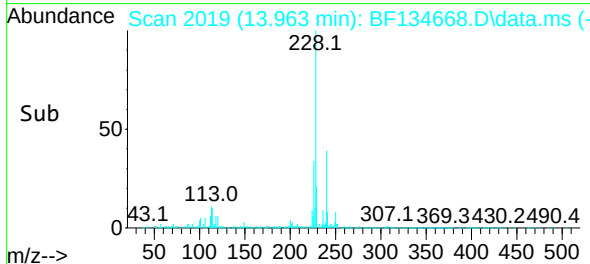


Tgt Ion:228 Resp: 190370
Ion Ratio Lower Upper
228 100
226 35.2 22.3 33.5
229 23.7 15.8 23.6

Manual Integrations

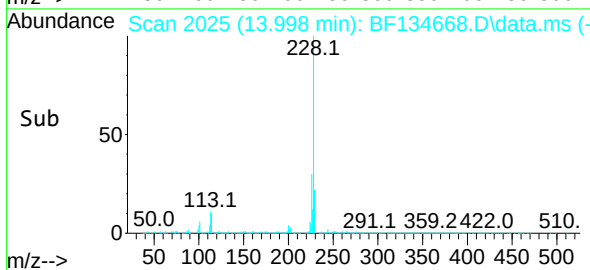
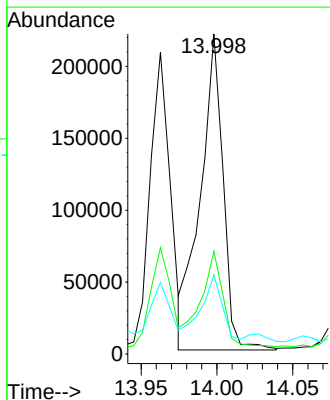
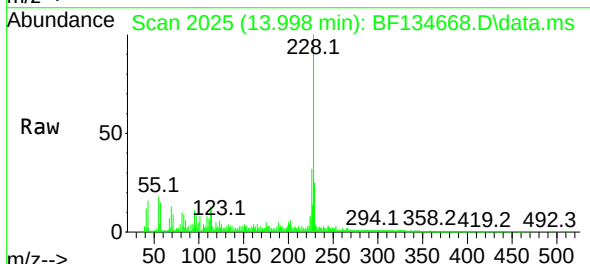
APPROVED

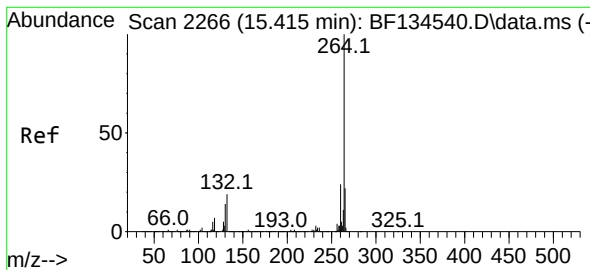
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/09/2023



#83
Chrysene
Concen: 9.897 ng m
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF134668.D
Acq: 08 Aug 2023 13:12

Tgt Ion:228 Resp: 230217
Ion Ratio Lower Upper
228 100
226 32.1 24.5 36.7
229 24.7 15.8 23.8





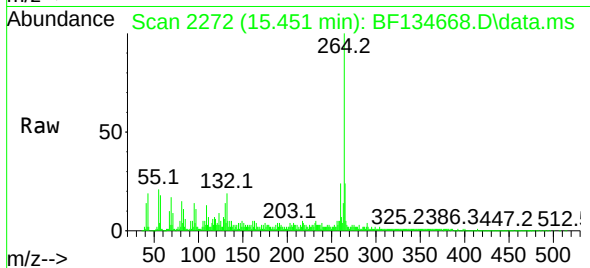
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF134668.D
Acq: 08 Aug 2023 13:12

Instrument :

BNA_F

ClientSampleId :

TR-4-080323



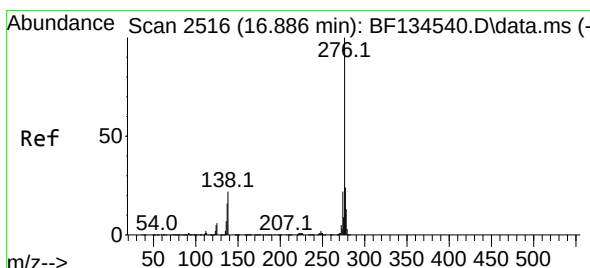
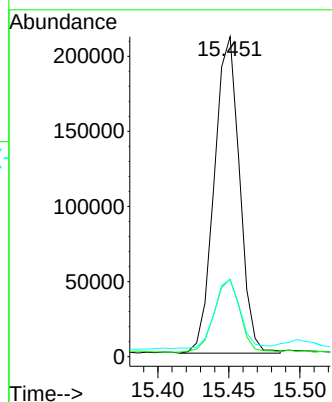
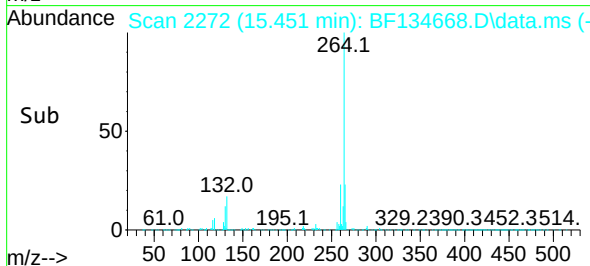
Tgt Ion:264 Resp: 260812
Ion Ratio Lower Upper
264 100
260 24.2 18.4 27.6
265 24.2 15.8 23.8

Manual Integrations

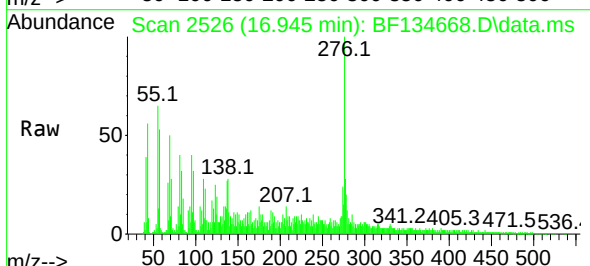
APPROVED

Reviewed By :Yogesh Patel 08/08/2023

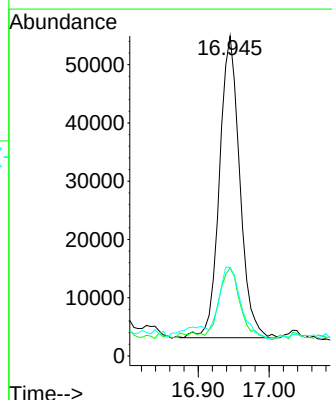
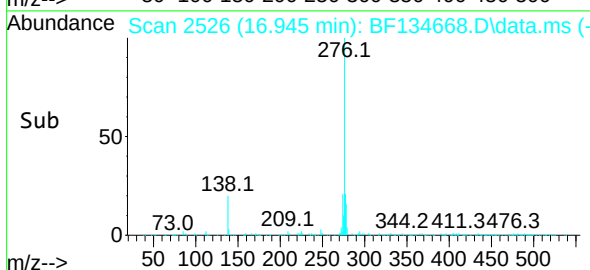
Supervised By :mohammad ahmed 08/09/2023

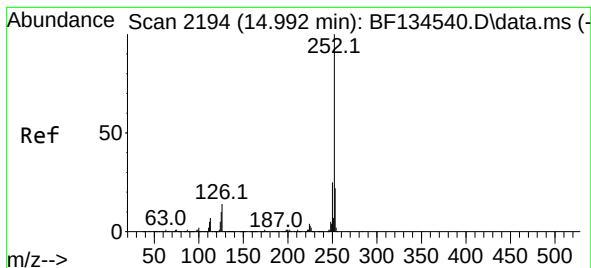


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.683 ng
RT: 16.945 min Scan# 2526
Delta R.T. 0.018 min
Lab File: BF134668.D
Acq: 08 Aug 2023 13:12



Tgt Ion:276 Resp: 102505
Ion Ratio Lower Upper
276 100
138 25.0 14.2 21.4
277 25.4 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 12.683 ng m

RT: 15.016 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF134668.D

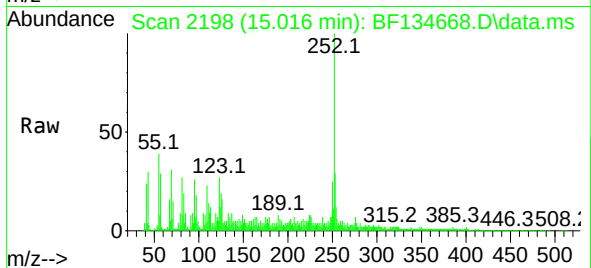
Acq: 08 Aug 2023 13:12

Instrument :

BNF

ClientSampleId :

TR-4-080323



Tgt Ion:252 Resp: 20174

Ion Ratio Lower Upper

252 100

253 29.1 17.3 25.9

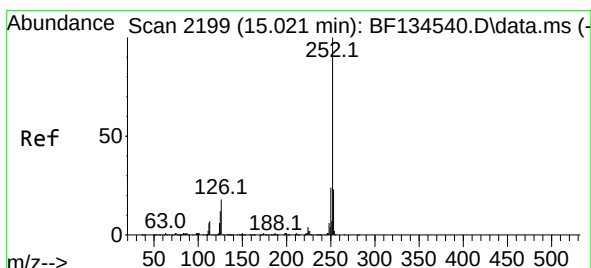
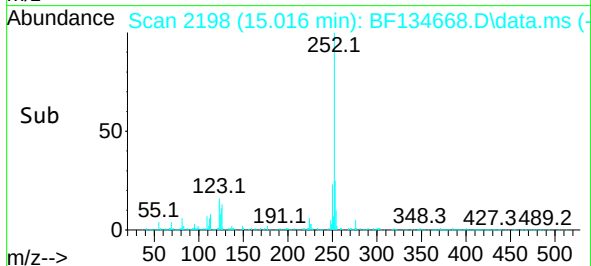
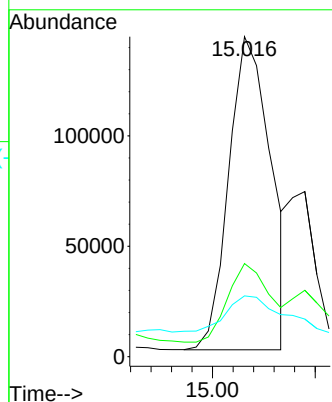
125 19.0 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/09/2023



#89

Benzo(k)fluoranthene

Concen: 4.180 ng m

RT: 15.045 min Scan# 2203

Delta R.T. 0.006 min

Lab File: BF134668.D

Acq: 08 Aug 2023 13:12

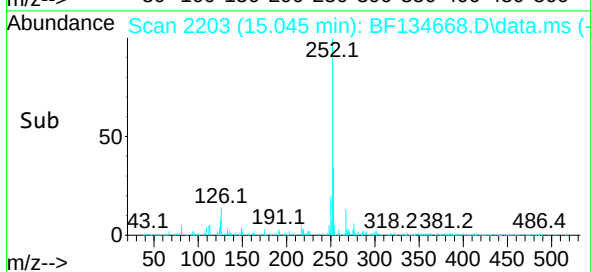
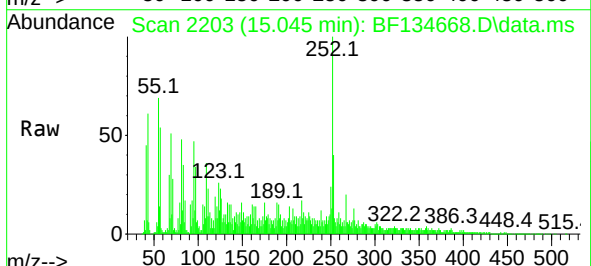
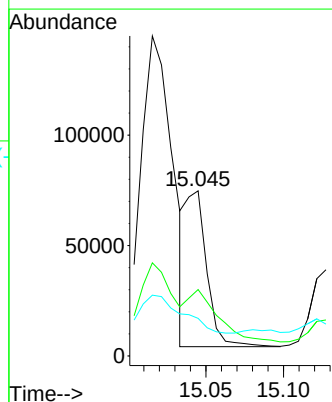
Tgt Ion:252 Resp: 66234

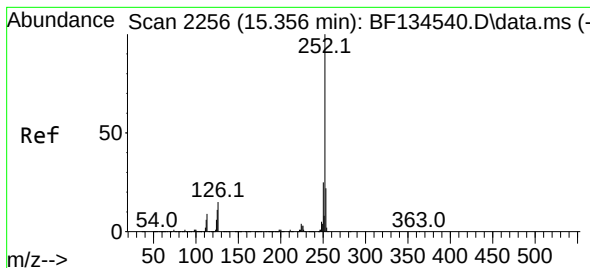
Ion Ratio Lower Upper

252 100

253 40.3 17.9 26.9

125 22.8 6.3 9.5





#90

Benzo(a)pyrene

Concen: 11.212 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134668.D

Acq: 08 Aug 2023 13:12

Instrument :

BNA_F

ClientSampleId :

TR-4-080323

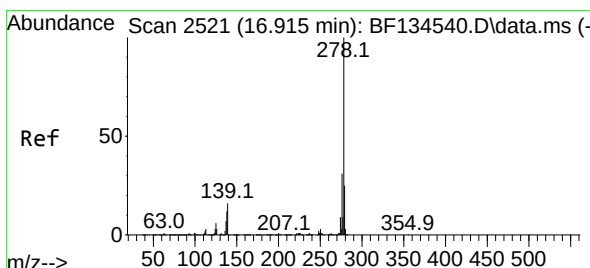
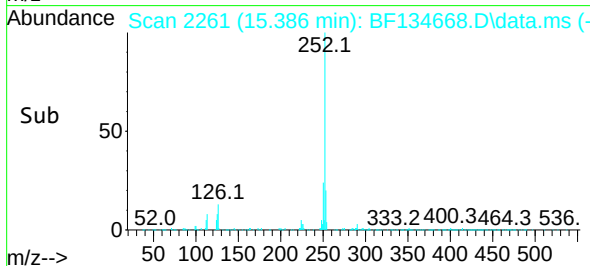
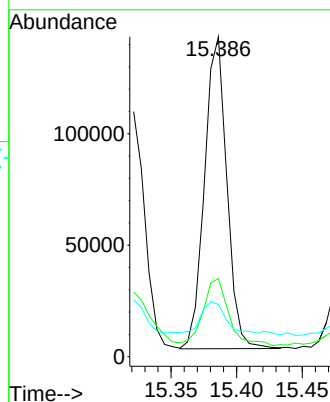
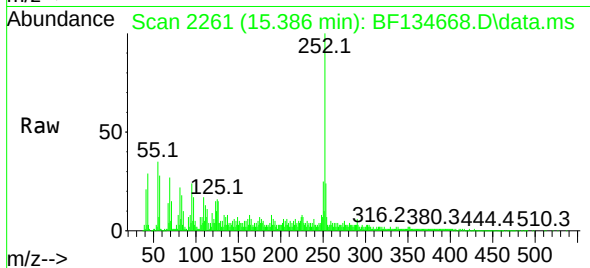
Tgt Ion:	252	Resp:	16628
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.0	25.4
125	16.4	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/09/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.322 ng

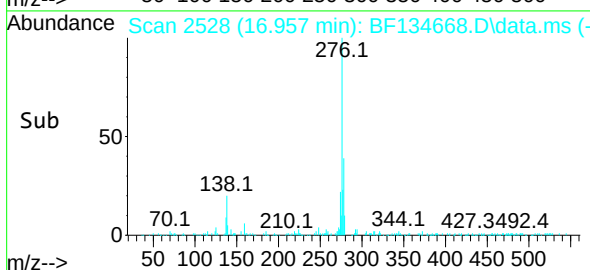
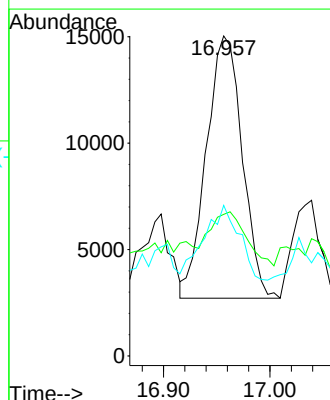
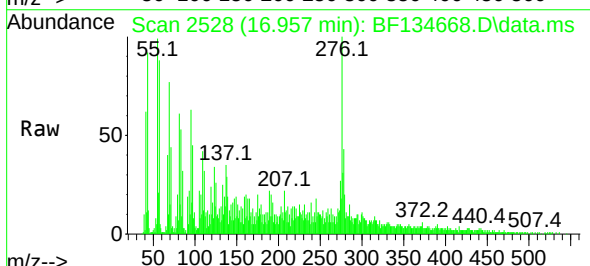
RT: 16.957 min Scan# 2528

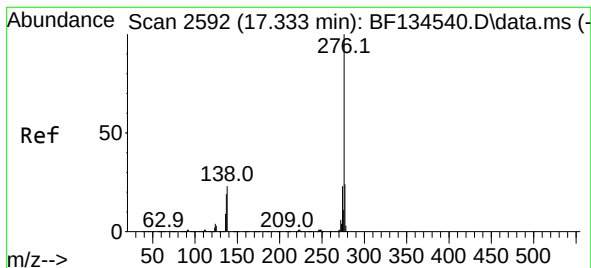
Delta R.T. 0.006 min

Lab File: BF134668.D

Acq: 08 Aug 2023 13:12

Tgt Ion:	278	Resp:	28785
Ion Ratio	Lower	Upper	
278	100		
139	44.2	10.0	15.0#
279	47.0	19.7	29.5#





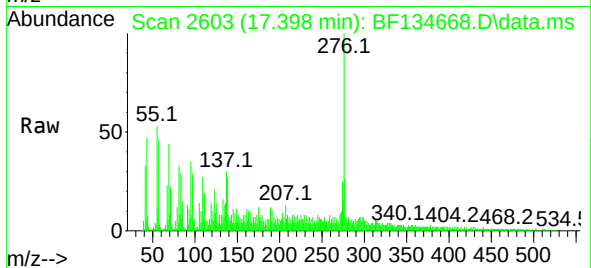
#92
 Benzo(g,h,i)perylene
 Concen: 9.405 ng
 RT: 17.398 min Scan# 20
 Delta R.T. 0.024 min
 Lab File: BF134668.D
 Acq: 08 Aug 2023 13:12

Instrument :

BNA_F

ClientSampleId :

TR-4-080323



Tgt Ion: 276 Resp: 11892
 Ion Ratio Lower Upper
 276 100
 277 27.0 19.0 28.6
 138 27.5 12.2 18.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/09/2023

